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POST REMEDIAL ACTION REPORT FOR WORK PACKAGE 420, CHEMICAL PLANT AREA FOUNDATIONS AND CONTAMINATED SOIL REMOVAL, REMEDIAL UNIT 9

WELDON SPRING SITE REMEDIAL ACTION PROJECT
WELDON SPRING, MISSOURI

JANUARY 1998 **REV. 0**

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

Prepared by MK-Ferguson Company and Jacobs Engineering Group

MK-FERGUSON
A MORRISON KNUDSEN COMPANY

Weldon Spring Site Remedial Action Project
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Weldon Spring Site Remedial Action Project

Post-Remedial Action Report for Work Package 420, Chemical Plant Area Foundations and Contaminated Soil Removal, Remedial Unit 9

EXECUTIVE SUMMARY

Revision 0

January 1998

Prepared by

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for the

U.S. DEPARTMENT OF ENERGY
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EXECUTIVE SUMMARY

The Chemical Plant Area Foundations and Contaminated Soil Removal Work Package-420 (WP-420) was initiated to remediate contaminated areas within the WP-420 construction limits to facilitate the construction of an on-site disposal facility. Much of the WP-420 area will be covered by the disposal facility footprint. Remediation activities included the excavation and removal of building foundations, underground utilities, and associated contaminated soils. Confirmation samples were collected to ensure that remediation of the contaminated areas was completed.

The objective of the remedial action was to ensure that contaminated areas within WP-420 were remediated to meet the cleanup standards stated in the *Record of Decision for the Remedial Action at the Chemical Plant Area of the Weldon Spring Site (ROD)* (Ref. 3). Confirmation soil sampling methodology was developed to ensure the adequate remediation of contaminants of concern (COCs).

The remediation and confirmation sampling process included several activities. Components of the process included characterization data review, COC identification, confirmation plan development, contaminated materials and soil excavation, radiological walkover surveying, confirmation sampling, field oversight, sample analysis, analytical data evaluation, disposition package development, quality assurance/quality control (QA/QC) review, summary of findings and conclusions, and post remedial action report preparation.

The WP-420 area consisted of five Remedial Units (RU6 through RU10), which were subdivided into confirmation units (CU). Each of the CUs was approximately 2,000 m^2 (0.5 acres) in size, as determined by the *Chemical Plant Area Cleanup Attainment Confirmation Plan* (Ref. 5). This Post-Remedial Action Report is the fourth of five such reports, and summarizes the remediation of CUs 94 through 122 and CU142, which are located within RU9.

COC lists were developed for each CU using historical background information and soil characterization results. COCs identified for RU9 included Radium-226 (Ra-226), Radium-228 (Ra-228), Thorium-230 (Th-230), Thorium-232 (Th-232), Uranium-238 (U-238), arsenic, chromium, lead, toluene, trinitrotoluene (TNT), polynuclear aromatic hydrocarbons (PAHs), and polychlorinated biphenyls (PCBs).

Remedial activities for each CU included the excavation of contaminated soil, radiological walkover surveying, and confirmation soil sampling. Additional soil was excavated and confirmation samples were collected until preliminary results indicated that remediation activities were completed and COC concentrations were below the cleanup standards. The CU was then released for unrestricted use. Once final analytical results were received, the data were compared to preliminary results to verify that the established cleanup standards were achieved.

Portions of CU94, CU115, and CU116 were eliminated from WP-420 remedial activities. The CU boundaries were relocated and resurveyed. An inter-office correspondence (IOC) detailing the decision was issued. Confirmation Unit 142 was added to RU9 to confirm soils located west and south of CU105 and CU115.

A summary of final analytical results for WP-420 RU9 is presented below. The table was generated using the final data set compiled from all samples representing soils left in place.

Summary of Analytical Results for RU9 in WP-420

CONTAMINANT	NUMBER OF SAMPLES	ALARA GOAL/ CLEANUP CRITERIA	RANGE OF CONCENTRATION	AVERAGE CONCENTRATION	NUMBER GREATER THAN ALARA
Arsenic (mg/kg)	50	45/75	0.48-13.2	4.74	0
Chromium (mg/kg)	142	90/100	4.6-39.1	15.69	0
Lead (mg/kg)	134	240/450	2.4-116	14.91	0
PAH (mg/kg)	33	.44/5.6	0-0.65	0.05	1
PCB (mg/kg)	183	0.65/8	0-4.9	0.06	4
Ra-226 (pCi/g)	196	5.0/6.2	0.4-1.95	1.25	0
Ra-228 (pCi/g)	196	5.0/6.2	0.38-2.26	1.34	0
Combined Radium (pCi/g)	196	5.0/6.2	1.38-3.96	2.58	0
Thallium (mg/kg)	0	16/20	0-0	0	0
Th-230 (pCi/g)	167	5.0/6.2	0.68-1.6	.95	0
Th-232 (pCi/g)	196	5.0/6.2	0.38-2.26	1.34	0
Toluene (mg/kg)	1	0	0	0	0
TNT (mg/kg)	7	14/140	0.004-34.00	8.94	1
U-238 (pCi/g)	649	30/120	1.23-32.5	2.6	1

As indicated on the table, the RU9 average concentration for each COC is below the ALARA goal and cleanup criteria.

For each of the 30 CUs located within RU9, COC averages were also calculated and the conclusions are as follows. Although some individual sample concentrations are above the ALARA goals, the average COC concentrations for each of the 30 CUs, except TNT, are below ALARA. The average TNT concentration was above the ALARA goal at CU106. Based on the ALARA committee's decision, the CU was unconditionally released. The average TNT concentration for CU106 is below the cleanup criteria. Additionally, more than 50% of TNT concentrations were below the ALARA goal for the total number of TNT samples collected.

Remedial activities were completed for all 30 CUs located in RU9. Based on analytical results presented above, all 30 CUs were released in accordance with the cleanup standards stated in the *Chemical Plant Area Cleanup Attainment Confirmation Plan* (Ref. 5).

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1. INTRODUCTION

1.1 Purpose

This report details the field activities and analytical results for the chemical plant area building foundations and contaminated soils removal within Remedial Unit (RU) 9 of the Work Package-420 area (WP-420) at the Weldon Spring Site Remedial Action Project (WSSRAP). WP-420 includes the removal of building foundations, underground utilities, and the associated contaminated soils necessary prior to the construction of the on-site disposal facility. The footprint of the disposal facility will cover much of the WP-420 area.

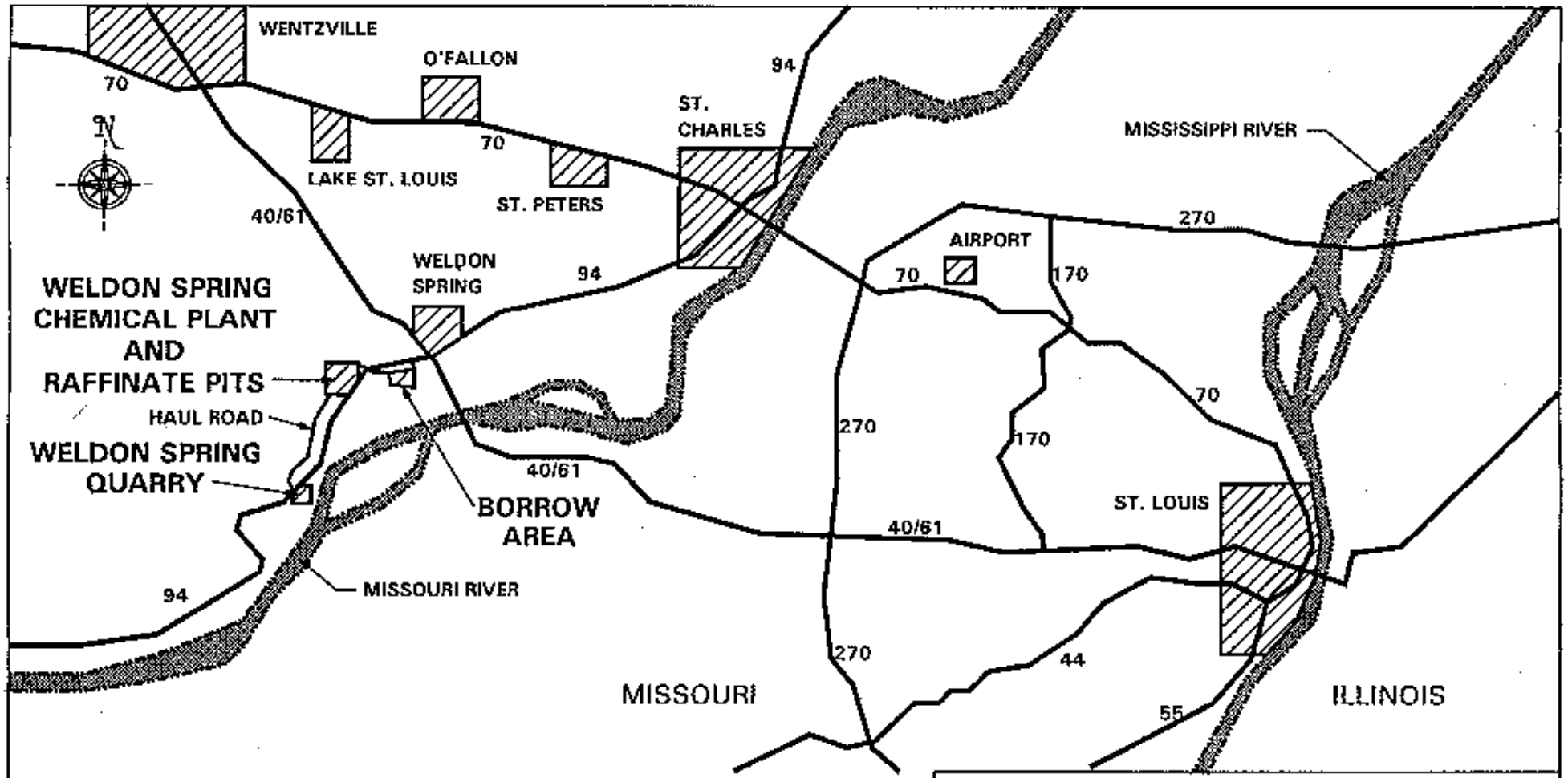
Soil characterization results from the *Remedial Investigation for the Chemical Plant Area of the Weldon Spring Site* (Ref. 1), and the *Supplementary Soil Sampling Plan* (Ref. 2) determined that there were areas within the WP-420 area that contained contaminant concentrations that exceeded the cleanup standards established in the *Record of Decision for Remedial Action at the Chemical Plant Area of the Weldon Spring Site* (ROD) (Ref. 3). The chemical plant area building foundations and contaminated soils removal was initiated to remove contaminated soils in excess of cleanup standards prior to construction of the on-site disposal facility. Remediation was designed to attain ALARA goals.

1.2 Scope

This report describes the remedial activities and confirmation sampling conducted on radiologically and chemically contaminated soils within RU9 of the WP-420 area. Soil confirmation sampling was conducted in accordance with the *Confirmation Sampling Plan Details for the Chemical Plant Area Foundations and Contaminated Soils Removal (WP-420)* (Ref. 4). This plan was developed to ensure that the *Chemical Plant Area Cleanup Attainment Confirmation Plan* (Ref. 5) objectives were accomplished, and to ensure that established remediation requirements of the ROD (Ref. 3) were met.

1.3 Site Description and History

The WSSRAP is located in St. Charles County, Missouri, about 48 km (30 mi.) from St. Louis, on land formerly used by the U.S. Department of the Army (Army) as a trinitrotoluene (TNT) and dinitrotoluene (DNT) ordnance works (Figure 1-1). The 88-ha (217 acre) chemical plant area is located about 3.2 km (2 mi.) southwest of the junction of Missouri State Route 94 and U.S. Route 40/61. The site is accessible from Missouri State Route 94. It is fenced and closed to the public.



LOCATION OF THE WELDON SPRING SITE

FIGURE 1-1

REPORT NO.: DOE/OR/21548-704		EXHIBIT NO.: A/VP/041/0596	
ORIGINATOR: MGL	DRAWN BY: GLN	DATE: 5/21/96	

The two communities closest to the site, Weldon Spring and Weldon Spring Heights, are located approximately 3.2 km (2 mi.) east of the site and have a combined population of 850 persons. Francis Howell High School is located about 1 km (0.6 mile) from the site on the eastern side.

In 1941, the Army acquired 7,000 ha (17,000 acres) of land in St. Charles County, Missouri. The Army constructed an ordnance facility and produced DNT and TNT explosives from 1941 until 1946. By 1949, all but 810 ha (2,000 acres) were transferred to the State of Missouri and the University of Missouri. Most of the remaining land became the chemical plant area of Weldon Spring and the adjacent U.S. Army Reserve and National Guard Training Area.

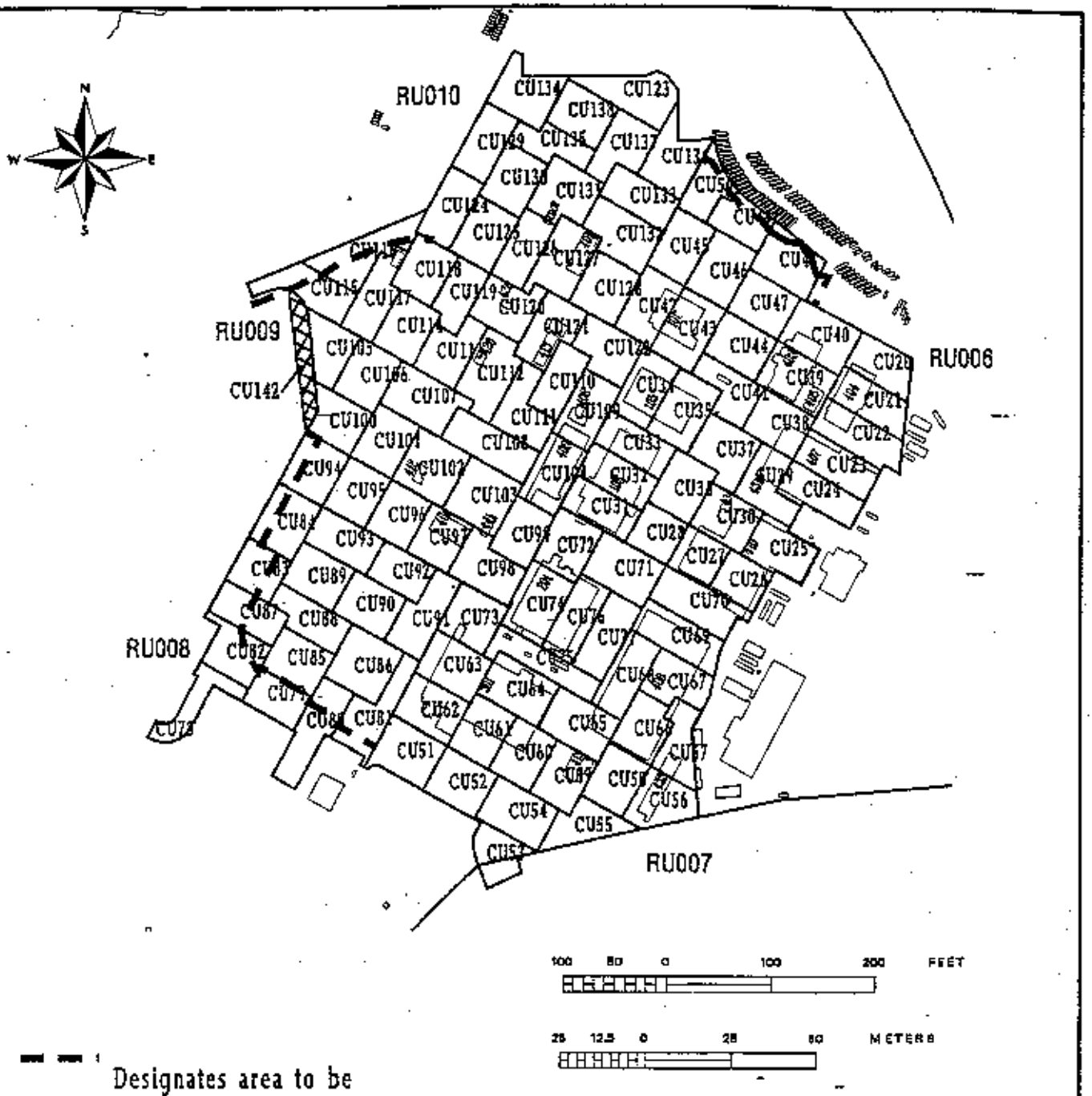
In May 1955, the U.S. Atomic Energy Commission (AEC) acquired 83 ha (205 acres) to construct a uranium feed materials plant. The AEC operated the uranium feed materials plant from 1957 to 1966 within the WSSRAP area. During its operation, uranium and thorium ore concentrates were processed, which led to the contaminated soils found within the WP-420 area. Radioactive and chemical wastes were disposed of at the site during this period. The radioactive contaminants associated with the site are primarily radionuclides of the natural uranium and Th-232 decay series. Chemical contaminants associated with the site are primarily heavy metals as well as polychlorinated biphenyls (PCBs) and polynuclear aromatic hydrocarbons (PAHs).

The Army reacquired the chemical plant property in 1967 and began decontamination and dismantlement operations in order to construct a herbicide facility. The project was canceled in 1969 before herbicide production was initiated. In 1985, the Army transferred responsibility over to the U.S. Department of Energy (DOE), successor to the AEC. The DOE initiated a series of interim response actions starting in 1986 to control and mitigate releases to the environment. The chemical plant area was included in the National Priorities List (NPL) in 1989. The Chemical Plant ROD (Ref. 3) was signed in 1993. Building dismantlement also began in 1992 and continued through 1994. Building foundations and contaminated soil were removed during 1996 and 1997 as part of Work Package 420.

The WP-420 area is located within the eastern portion of the site. There are five work zones within this work package and each zone has been assigned an RU. The WP-420 area consisted of five RUs: RU6, RU7, RU8, RU9, and RU10 (Work Zones 1-5, respectively). The five RUs are depicted in Figure 1-2.

1.4 Remediation and Confirmation Process

This report details the activities conducted to remediate RU9 (CU94 through CU122 and CU142). Remediation consisted of removal of building foundations, underground utilities, and the associated contaminated soils. Following the remediation activities, confirmation samples were collected to ensure contaminated materials had been remediated.



Designates area to be confirmed under WP437

LEGEND

RU006 -- CU020 THRU CU050
RU007 -- CU051 THRU CU077
RU008 -- CU078 THRU CU093
RU009 -- CU094 THRU CU122, CU142
RU010 -- CU123 THRU CU138

Remedial Units for WP-420

Figure: 1-2

REPORT NO.: DOE/OR/21548-704		EXHIBIT NO.: E/CP/006/0196	
ORIGINATOR: MGL	DRAWN BY: LGB	DATE: 09/97	

The entire remediation and confirmation process included: characterization data review, COC identification, confirmation plan development, contaminated soil excavation, structures removal, radiological walkover surveys, confirmation sampling, oversight activities, sample analysis, analytical data review, quality assurance/quality control (QA/QC) review, completing disposition forms, summary of findings, and conclusions for the post-remedial action reports.

Removal of chemical plant area foundations and contaminated soils was conducted in accordance with the *Confirmation Sampling Plan Details For The Chemical Plant Area Foundations and Contaminated Soils Removal (WP-420)* (Ref. 4). The confirmation sampling process was conducted in accordance with the *Chemical Plant Area Cleanup Attainment Confirmation Plan* (Ref. 5), to document the attainment of cleanup standards set forth in the *Record of Decision for Remedial Action at the Chemical Plant Area of the Weldon Spring Site* (ROD) (Ref. 3). Sections 3, 4, and 5 describe in detail the remediation and confirmation processes.

2. PRE-REMEDIATION ACTIVITIES

2.1 Review of Characterization Data

Contaminants of concern (COC) were determined for each CU by reviewing background information and results of characterization samples. This consisted of gathering available historical information regarding building use and process utility lines, in addition to renewing the soil characterization data.

In many CUs, areas located within the building footprints were determined to have limited characterization soils data due to the presence of concrete slabs and foundations. These areas therefore required an alternate method to identify COCs. The first step was to review the waste management characterization data from samples collected from the sumps of each building. This information, along with the available soil characterization data, was then combined with the historical process information and waste management practices for each building. This method was determined to be a conservative approach to developing a COC list for CUs that have limited historical soils data. The full process used for determining COCs is detailed in the *Confirmation Sampling Plan Details For The Chemical Plant Area Foundations and Contaminated Soils Removal (WP-420)* (Ref. 4).

2.2 Contaminants of Concern

COCs were identified from the review of the historical information and characterization data for each of the 30 CUs. COC lists were also developed for sanitary sewer and process utility lines located within some CUs. These COC lists were based on the type of utility line and the COC list identified for that specific CU. Other utilities including potable and fire water lines, electrical lines, and communication lines were present in some CUs, but were not specifically targeted based on process knowledge. Radiological COCs present at RU9 include: Radium 226 (Ra-226), Radium 228 (Ra-228), Thorium 230 (Th-230), Thorium 232 (Th-232), and Uranium 238 (U-238). Organic COCs present at RU9 included: trinitrotoluene (TNT), polynuclear aromatic hydrocarbons (PAHs), and polychlorinated biphenyls (PCBs). Inorganic COCs present at RU9 included: arsenic, chromium, and lead. During remedial activities at RU9, toluene and hexane areas of contaminated soil were encountered. Although these were not originally identified as a COC under the ROD, ALARA goals and cleanup criterias were developed to remediate these soils. The specific COC lists and the associated analytical results for each CU are presented in Section 5.

2.3 Data Quality Objectives

Data Quality Objectives (DQOs) were identified to specify and ensure quality data would support the decision making process throughout remedial activities, including the confirmation process. Confirmation DQOs were developed for sampling and analyzing soils during remediation and for the subsequent data evaluation. The DQOs were designed to make statistically defensible decisions regarding attainment of cleanup standards. Sampling and analytical programs for the WP-420 area were designed in accordance to DQOs stated in the *Chemical Plant Area Cleanup Attainment Confirmation Plan* (Ref. 5).

2.4 Cleanup Standards

The objective of the U.S. Department of Energy's (DOE) as low as reasonably achievable (ALARA) process is to reasonably reduce exposures and risks associated with residual contamination (Ref. 5). The Chemical Plant Area ROD (Ref. 3) established two different sets of cleanup standards: risked-based cleanup criteria (cleanup criteria) and ALARA goals. The ROD states that it is expected that contaminant levels remaining in the soil across the site after remediation will range between the cleanup criteria and the ALARA goals, reaching the goals in most cases (Ref. 3). Remedial activities for RU9 and all of WP-420 were designed to remove soil where the COC concentration was present above ALARA goals. Table 2-1 summarizes the cleanup criteria and ALARA goals established in the ROD.

Table 2-1 Radionuclide and Chemical Contaminant Cleanup Standards

	SURFACE[c]		SUBSURFACE[d]	
RADIONUCLIDE (pCi/g)	ALARA	CRITERIA	ALARA	CRITERIA
Radium-226[a,b]	5.0	6.2	5.0	16.2
Radium-228[a,b]	5.0	6.2	5.0	16.2
Thorium-230[a]	5.0	6.2	5.0	16.2
Thorium-232[a]	5.0	6.2	5.0	16.2
Uranium-238	30.0	120	30	120
Chemical (mg/kg)				
Arsenic	45	75	75	750
Hexane				
Lead	240	450	450	4,500
Toluene				
Thallium	16	20	20	200
PAHs[e]	0.44	5.6	5.6	56

Table 2-1 Radionuclide and Chemical Contaminant Cleanup Standards (Continued)

	SURFACE[c]		SUBSURFACE[d]	
RADIONUCLIDE (pCi/g)	ALARA	CRITERIA	ALARA	CRITERIA
PCBs[f]	0.65	8	8	80
TNT	14	140	140	1,400

[a] If both Th-230 and Ra-226, or both Th-232 and Ra-228, are present and not in secular equilibrium, the cleanup criterion applies for the radionuclide with the higher concentration.

[b] At locations where both Ra-226 and Ra-228 are present, the cleanup criterion of 6.2 pCi/g (including background) in the top 15 cm (6 in.) of soil, and 16.2 pCi/g (including background) in each 15-cm (6-in.) layer of soil more than 15 cm (6-in.) below the surface, applies to the sum of the concentrations of these two radionuclides.

[c] Values listed for surface soils apply to contamination within the upper 15 cm (6 in.) of the soil column.

[d] Values for subsurface apply to contamination in soils below 15 cm (6 in.), unless otherwise noted.

[e] Benz(a)anthracene, benzo(b)fluoranthene, benzo(k)fluoranthene, benzo(a)pyrene, chrysene, and ideno(1,2,3-cd)pyrene.

[f] Aroclor 1248, Aroclor 1254, Aroclor 1260.

Source: *Record of Decision for Remedial Action at the Chemical Plant Area of the Weldon Spring Site* (Ref. 3)

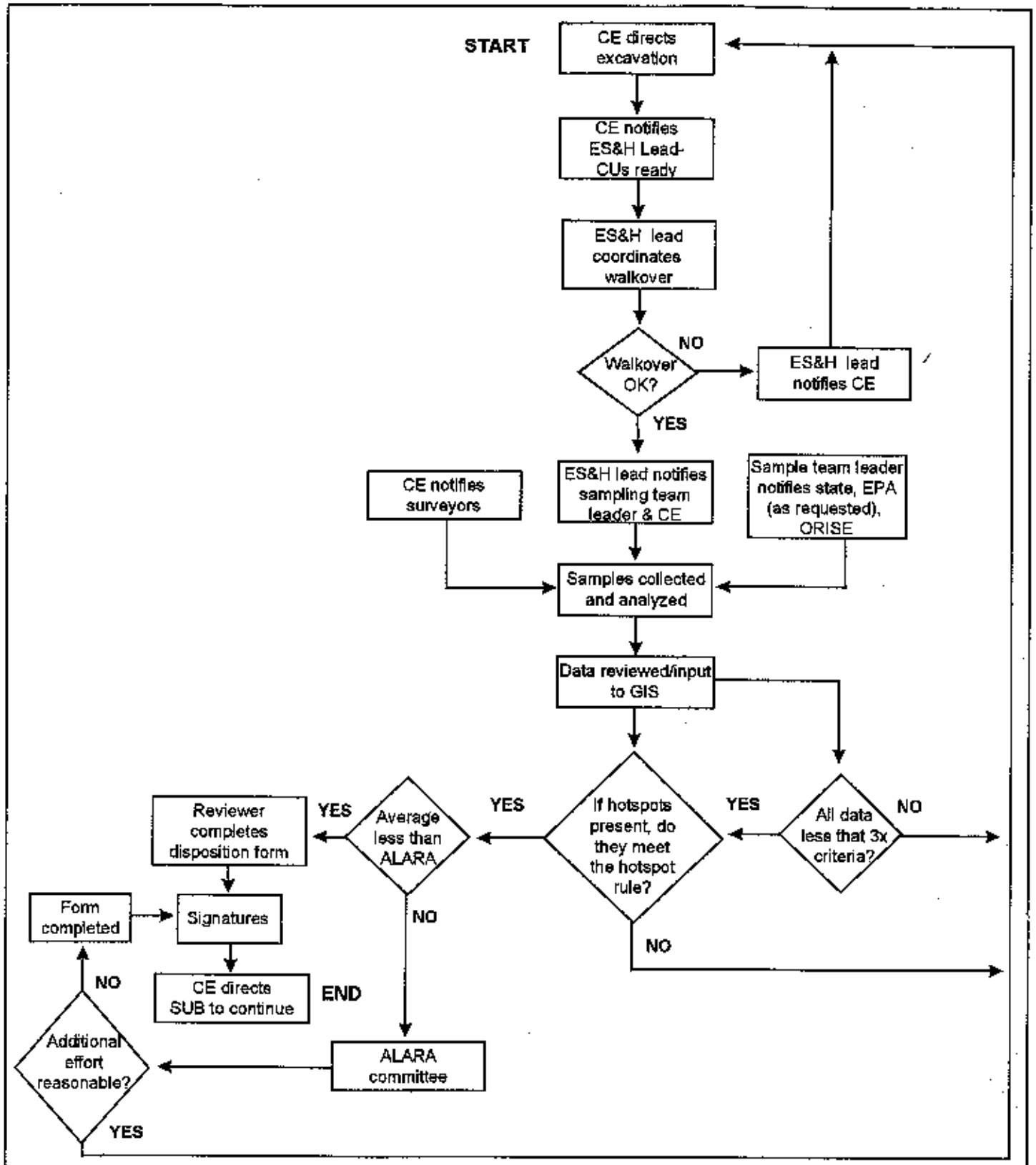
2.5 Confirmation Process

The confirmation process was used to determine, under the remedial guidelines, whether remediation activities had achieved the cleanup standards using the ALARA process. Figure 2-1 shows the confirmation process for remedial activities. The decision making process was developed to specify how the data would be evaluated within the confirmation process. To facilitate this data evaluation, the decision making process was implemented at two stages of the confirmation process.

During the first stage, the decision making process was applied to a specific sample location located within a given CU.

1. If a given COC concentration (in a hot spot area of any given size) was above three times the cleanup criteria, the area was further remediated and resampled.

2. If a given COC concentration (in a hot spot area greater than 25 m^2 (270 ft^2) in size) ranged between criteria and three times criteria, the area was further remediated and resampled.



CLEANUP CONFIRMATION PROCESS

FIGURE 2-1

REPORT NO.:	REPORT NO.:	
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3. If a given COC concentration (in a hot spot area less than 25 m^2 (270 ft^2) in size) was between the cleanup criteria and three times the cleanup criteria, the following formula was used to determine the acceptable concentration for the COC.

$$\text{Maximum Concentration} = (\text{cleanup criteria}) \times (100/A)^{1/2}$$

Where: A = area of hot spot in square meters (m^2).

If the COC sample concentration was above the maximum concentration, the area was further remediated and resampled. If the COC sample concentration was below the maximum concentration, the soil was left in place and no further remediation was required.

During the second stage, the decision making process was applied to a CU as a whole and was specific to a group of sample locations. If an average concentration of a COC within a CU was greater than ALARA the issue was presented to the ALARA committee for a decision. Factors considered in the decision ruling included: the percentage of confirmation results to date that were less than, or greater than the ALARA goal, location, cost of further remediation, etc. Based on these factors, the ALARA committee determined whether additional remediation was required. This was completed to meet project DQOs and the cleanup standards, and to evaluate whether a CU area had been remediated to the extent required by the ROD.

Contaminant levels remaining in soils across the site after remediation are expected to range between the ALARA goal and cleanup criteria, and in most cases, reaching the goals.

3. REMEDIAL PROGRAM ACTIVITIES

3.1 Pre-Excavation Activities

Throughout RU9 remediation activities, water management was required that included surface water control and field dewatering of excavations. Surface water was prevented from entering the area using berms and ditches. Surface water run-off within RU9 was routed to established site water management facilities. Water entering excavations from precipitation events and infiltration was pumped to designated excavations serving as interim retention basins. This water was then sampled for total uranium. After review of sample results, these excavations were then dewatered and the water directed to the appropriate site facility depending on the total uranium concentration.

3.2 Excavation Activities

Process and non-process building foundations, underground utilities and storage tanks, miscellaneous surface and subsurface features, and soil were excavated during field activities. The majority of these materials were removed because of contamination. Additional removal of facilities was necessary to support subsequent disposal cell construction. After the initial excavations were completed, radiological walkover surveys were conducted to evaluate the need for additional excavation. Walkover surveys were conducted using a 5 cm by 5 cm (2 in. x 2 in.) sodium iodide (NaI) scintillation detector. When radiological walkover surveys indicated no additional excavation was needed (i.e., no radioactivity levels exceeding 1.5 times the background level), the area was released for confirmation sampling.

Confirmation results were then reviewed and additional excavation and confirmation sampling were conducted in hot spot areas, if necessary. Additional excavation and sampling continued until sample results indicated the cleanup standards were achieved.

3.3 Contaminated Materials Management

Contaminated materials removed during remediation activities were segregated and transported to various areas including Ash Pond storage area (APSA), material storage area (MSA), temporary storage area (TSA), and Building 434, as appropriate. These contaminated materials will eventually be placed into the on-site disposal facility in accordance with the *Record of Decision* (ROD) (Ref. 3).

3.4 Post Excavation Activities

After achieving the cleanup standards, a Disposition Form was completed with preliminary analytical results. The Disposition Form was reviewed and signed by project personnel. It was then released to the subcontractor for unrestricted activities. The underlying unsuitable soils were

excavated down to the Ferrelview Formation, as determined by visual observations and backfilled to design grade with suitable soil in preparation for the construction of the on-site disposal facility.

4. CONFIRMATION ACTIVITIES

4.1 Field Activities

Field activities completed during remedial activities were conducted in accordance with procedures stated in the *Confirmation Sampling Plan Details for the Chemical Plant Area Foundations and Contaminated Soils Removal WP-420* (Ref. 4). Field activities were conducted to perform and document sampling objectives within the *Chemical Plant Area Cleanup Attainment Confirmation Plan* (Ref. 5) while achieving the cleanup standards. All remedial action surveys, sampling, and data review were conducted and documented in accordance with Weldon Spring Site Remedial Action Project (WSSRAP) Environmental Safety and Health (ES&H) procedures and instructions. The applicable procedures and instructions are listed in Section 8.

4.1.1 Walkover Surveys

Radiological walkover surveys were conducted after excavation activities to determine whether cleanup of radiological materials had been completed. Walkover surveys were conducted using a 5 cm by 5 cm (2 in. x 2 in.) NaI scintillation detector. Each confirmation unit (CU) was surveyed using radioactivity levels above 1.5 times the background concentrations (of gamma emitting radioactivity) as a general guideline (Ref. 5). Radioactivity background readings were collected each day at the background sample location at the Weldon Spring site flagpole. The background reading was recorded in counts per minute (CPM) and used for walkover surveys conducted that day. In areas within close proximity to the raffinate pits, lead shielding was added to the detector's sides to reduce the interfering gamma radiation levels given off by the raffinate pits. The bottom of the detector remained unshielded to give an adequate measurement of the surface directly beneath the detector. In cases when a shielded detector was used, the corresponding background reading was also taken with a shielded detector.

Field walkover surveys were conducted within each CU. Walkover surveys where no levels of radioactivity exceeded 1.5 times background levels were documented on a Walkover Survey Results Form. Areas exceeding 1.5 times the background level were further excavated until survey results showed no levels above 1.5 times background. Final survey results for each CU are included in Section 5. Radiation Survey Forms for WP-420 are presented in Appendix B.

4.1.2 Soil Sampling

After the walkovers were completed and documented, soil sampling was conducted within each CU within RU9 as part of the confirmation process. This process includes several categories of soil samples, such as hot spot, resample, and confirmation samples.

Soil sample locations were chosen based upon a 10 m by 10 m (31 ft x 31 ft) grid. Samples were collected at every node (grid intersection) and some center points. The soil sampling locations are presented in Appendix A for each CU. Node samples are denoted with a '-S' and center point samples are denoted with a '-C'. Sample locations were relocated in the event the original location was not practical or safe. Sample locations that were moved more than 1.8 m (5 ft) were resurveyed.

Alternatively, sample locations were placed every 10 m (31 ft) along utility corridors (buried sanitary sewer and process lines only) except when existing grid sample locations lie within 1.8 m (5 ft) of a utility line. In these cases, the existing sample location was offset by 1.8 m (5 ft) to include the area within the utility line corridor.

Analytical suites for each CU were dependent upon the COC list developed from historical information and characterization sample results. If results from these confirmation samples indicated contaminants in the CU being confirmed met the cleanup standards as presented in the *Attainment Plan* (Ref. 5), no further remediation was conducted and the CU could be released. A Disposition Form was completed and the CU released back to the subcontractor.

Alternatively, if the confirmation results indicated the cleanup standards were not met, additional walkovers and/or sampling were conducted to delineate the area of contamination. These hot spot samples were designated by the suffix '-HS.' If the hot spot sample results and/or walkover surveys determined that the area exceeded the hot spot rule (presented in Section 2.5), then additional excavation was required. Additional confirmation samples were then collected and designated with the suffix '-RS.' Once the cleanup standards were met, a Disposition Form was completed and the CU released back to the subcontractor. The Disposition Forms for each CU are presented in Appendix C.

4.2 Laboratory Activities

Subcontracted off-site laboratories that performed analyses for the WP-420 remediation activities used Contract Laboratory Program (CLP) methodologies. Laboratory activities were conducted in accordance with *Project Management Contractor Quality Assurance Program* (Ref. 6) and *Environmental Quality Assurance Project Plan* (EQAjP) (Ref. 7). Appendix D contains the analytical results from each CU within RU9. All analytical data were reviewed upon receipt from the laboratory.

4.2.1 Radiological Contaminants

Radiological soil samples were collected for Ra-226, Ra-228, Th-230, Th-232, and U-238. Most radiological samples were analyzed by the on-site laboratory. However, overflow samples and a portion of Th-230 samples were sent to an off-site laboratory. Estimated Ra-226 results were used to release CUs. Additionally, because Th-232 is in secular equilibrium with

Ra-228, the concentrations are considered essentially the same. Both of the issues are further explained in inter-office correspondences (IOCs) included in Appendix E.

4.2.2 Chemical Contaminants

Chemical soil samples were collected for the following organic and inorganic chemical analyses: toluene, hexane, six polynuclear aromatic hydrocarbons (PAHs), three polychlorinated biphenyls (PCBs), trinitrotoluene (TNT), arsenic, chromium, and lead. All samples were analyzed by off-site laboratories.

4.3 Verification Activities

The Oak Ridge Institute for Science and Education (ORISE) was contracted by the U.S. Department of Energy (DOE) to verify confirmation soil sampling in the chemical plant area of the Weldon Spring site. Verification activities included independent walkover radiological surveys and the collection and analysis of soil samples to verify proper disposition of CUs. Field verification activities were conducted in accordance with ORISE's *Final Verification Survey Plan* (Ref. 9). A table summarizing ORISE hot spot information is presented in Appendix F.

4.3.1 Walkover Surveys

ORISE conducted independent walkover radiological surveys in areas that had been confirmed. Walkover surveys were conducted using a 2.5 cm by 2.5 cm (1 in. x 1 in.) NaI scintillation detector. Walkover surveys were conducted to verify field results obtained by WSSRAP personnel.

4.3.2 Soil Sampling

ORISE conducted independent collection and analyses of soil samples. Soil samples were collected at random locations and from areas identified by walkover surveys. Also soil sampling was conducted to verify proper disposition of the CUs.

4.3.3 Verification of WP-420 Documentation

All ORISE verification and audit activities have been completed. A final verification letter will be prepared by ORISE when the Project Management Contractor's (PMC) Post Remedial Action Reports for WP-420 are finalized. The ORISE letter will contain verification of walkover surveys and soil sampling results. The letter also presents verification that the remedial action objectives were achieved.

5. CONFIRMATION UNIT RESULTS SUMMARY

The following section includes the confirmation unit (CU) analytical results summary for the 30 CUs that are located within RU9 of the WP-420 area. Each summary was generated from data collected during the remediation activities. Each summary includes the location of the CU, a list of Contaminants of Concern (COC), a general discussion of the remedial activities, walkover survey results, a comparison of preliminary and final analytical results, hot spot summary if applicable, and the dates when the CU was released for unrestricted use.

Preliminary data are the initial results immediately available from the laboratory and are subject to change. Final data are the fully reviewed results of the last analyses performed. In general, for chemical analyses, the preliminary data and the final data are the same, while radiological data usually change. This change is due to the analytical methods for some parameters require additional time following homogenization for the regrowth of daughter products.

Tables contained in this section summarize data collected from each CU following the excavation of contaminated materials. Not all data are contained in the tables, excluded are data from hot spot areas where further excavation was required. The tables were compiled using only the data collected that ensured remediation was complete and represent the soils remaining in place after the confirmation unit was released.

Hot spot data and additional information for each CU are contained in the following appendixes. Sample Location Maps are presented in Appendix A. Radiation Survey Forms WP-420 are presented in Appendix B. Disposition Forms are presented in Appendix C. Complete analytical results are presented in Appendix D (including hot spot data collected prior to additional remediation). Inter-office correspondence (IOC) regarding data discrepancies are included in Appendix E. A summary table of Oak Ridge Institute for Science and Education (ORISE) verification results is presented in Appendix F.

Apparent discrepancies may occur between the number of samples collected in each CU and the analytical summary tables in Section 5.1 through 5.30, because not all locations were sampled for all parameters. Similar discrepancies may occur in the number of samples greater than as low as reasonably achievable (ALARA). Confirmation units share boundary sample locations which may result in individual samples being reported for two or more CUs. The summary tables in the Executive Summary and Sections 7.4 and 7.5 identify the total number of samples greater than ALARA.

5.1 Confirmation Unit 94

Confirmation Unit 94 is located in the southwest corner of RU9. The only COC identified for CU94 was U-238. There were no utility corridors located within this CU. Confirmation Unit 94 was released to the Project Management Contractor (PMC) on November 12, 1996, by the Subcontractor for confirmation sampling. The western boundary of this CU was relocated and resurveyed. An IOC was issued detailing the changes and a copy has been included in Appendix E.

The NaI background reading collected for CU94 was 5,000 counts per minute (CPM) (shielded). All of the final radioactivity levels were less than 1.5 times the background level. The walkover surveys for this CU were completed on November 12, 1996.

Confirmation soil samples were collected at 23 designated locations (see Figure A-1, Appendix A). No additional utility sample locations were added. Table 5-1 presents sample totals, and concentration ranges and averages for the preliminary and final analytical results.

Table 5-1 Confirmation Unit 94 Analytical Results Summary

Contaminant	Preliminary Results				Final Results			
				No. of Samples Above ALARA				No. of Samples Above ALARA
	No. of Samples	Range	Average		No. of Samples	Range	Average	
Uranium 238 (pCi/g)	23	1.31-27.89	3.13	0	23	1.31-27.9	3.14	0

No hot spot areas were identified from sample results. No additional soil excavation was required and no deviations to the Sampling Plan occurred at CU94.

Review of the final analytical results supports the preliminary results indicating remedial activities have been completed. The final results meet the cleanup standards as detailed in the *Chemical Plant Area Cleanup Attainment Confirmation Plan* (Ref. 5). After the walkover survey, soil sampling and remediation activities were completed. Disposition Forms were reviewed and signed. Confirmation Unit 94 was released back to the Subcontractor for unrestricted use on November 18, 1996.

5.2 Confirmation Unit 95

Confirmation Unit 95 is located southwest of Building 412 in the southwest portion of RU9. The COCs identified for CU95 include U-238, Ra-226, and Ra-228. There were no utility corridors located within this CU. Confirmation Unit 95 was released to the PMC on September 30, 1996 by the Subcontractor for confirmation sampling.

The NaI background reading collected for CU95 was 5,000 CPM (shielded). All of the final radioactivity levels were less than 1.5 times the background level. The walkover surveys for this CU were completed on September 30, 1996, and October 1, 1996.

Confirmation soil samples were collected at 28 designated locations (see Figure A-2, Appendix A). Table 5-2 presents sample totals, and concentration ranges and averages for the preliminary and final analytical results.

Table 5-2 Confirmation Unit 95 Analytical Results Summary

Contaminant	Preliminary Results				Final Results			
	No. of Samples	Range	Average	No. of Samples Above ALARA	No. of Samples	Range	Average	No. of Samples Above ALARA
Radium 226 (pCi/g)	11	1.84-2.68	2.35	0	11	1.29-1.95	1.58	0
Radium 228 (pCi/g)	11	0.59-1.88	1.21	0	11	0.58-1.81	1.22	0
Ra226/Ra228 (pCi/g)	11	2.78-4.2	3.56	0	11	1.95-3.76	2.80	0
Uranium 238 (pCi/g)	27	1.37-8.22	2.45	0	27	1.56-8.22	2.52	0

No hot spot areas were identified from sample results. No additional soil excavation was required and no deviations to the Sampling Plan occurred at CU95.

Review of the final analytical results supports the preliminary results indicating that remedial activities have been completed. The final results meet the cleanup standards as detailed in the *Chemical Plant Area Cleanup Attainment Confirmation Plan* (Ref. 5). After the walkover survey, soil sampling, and remediation activities were completed, Disposition Forms were reviewed and signed. Confirmation Unit 95 was released back to the subcontractor for unrestricted use on October 8, 1996.

5.3 Confirmation Unit 96

Confirmation Unit 96 is located in the south central portion of RU9. The COCs identified for CU96 include U-238, Ra-226, Ra-228, Th-230, and polychlorinated biphenyls (PCBs). There were no utility corridors located within this CU. Confirmation Unit 96 was released in two sections. The first section of CU 96 was released to the PMC on September 30, 1996, and the remainder on October 14, 1996 by the Subcontractor for confirmation sampling. Appendix C contains the final Disposition Form.

The NaI background readings collected for CU96 ranged between 5,000 and 6,000 CPM (shielded). All of the final radioactivity levels were less than 1.5 times the background levels. The walkover surveys for this CU were completed on September 30, 1996 and October 14, 1996.

Confirmation soil samples were collected at 27 designated locations (see Figure A-3, Appendix A). Table 5-3 presents sample totals, and concentration ranges and averages for the preliminary and final analytical results.

Table 5-3 Confirmation Unit 96 Analytical Results Summary

Contaminant	Preliminary Results				Final Results			
	No. of Samples	Range	Average	No. of Samples Above ALARA	No. of Samples	Range	Average	No. of Samples Above ALARA
PCB								
(mg/kg)	4	0-0.18	0.06	0	4	0-0.18	0.06	0
Radium 226								
(pCi/g)	5	2.04-2.72	2.27	0	5	1.43-1.83	1.59	0
Radium 228								
(pCi/g)	5	0.59-1.83	1.36	0	5	1.07-1.8	1.46	0
Ra226/Ra228								
(pCi/g)	5	2.79-4.2	3.62	0	5	2.59-3.49	3.05	0
Thorium 230								
(pCi/g)	4	1.16-1.38	1.32	0	4	1.16-1.38	1.32	0
Uranium 238								
(pCi/g)	27	1.48-6.75	2.29	0	27	1.48-6.75	2.31	0

No hot spot areas were identified from sample results. No additional soil excavation was required and no deviations to the Sampling Plan occurred at CU96.

Review of the final analytical results supports the preliminary results indicating remedial activities have been completed. The final results meet the cleanup standards as detailed in the *Chemical Plant Area Cleanup Attainment Confirmation Plan* (Ref. 5). After the walkover

survey, soil sampling and remediation activities were completed. Disposition Forms were reviewed and signed. Confirmation Unit 96 was released back to the Subcontractor for unrestricted use on October 18, 1996.

5.4 Confirmation Unit 97

Confirmation Unit 97 is located at Building 414 in the southern portion of RU9. The COCs identified for CU97 include U-238, Th-230, and PCBs. There were no utility corridors located within this CU. Confirmation Unit 97 was released to the PMC on October 11, 1996, by the Subcontractor for confirmation sampling.

The NaI background readings collected for CU97 ranged between 9,500 CPM and 10,000 CPM. All of the final radioactivity levels were less than 1.5 times the background levels. The walkover surveys for this CU were completed on October 11, 1996.

Confirmation soil samples were collected at 27 designated locations (see Figure A-4, Appendix A). Table 5-4 presents sample totals, and concentration ranges and averages for the preliminary and final analytical results.

Table 5-4 Confirmation Unit 97 Analytical Results Summary

Contaminant	Preliminary Results				Final Results			
	No. of Samples	Range	Average	No. of Samples Above ALARA	No. of Samples	Range	Average	No. of Samples Above ALARA
PCB (mg/kg)	12	0-0.22	0.06	0	12	0-0.22	0.06	0
Thorium 230 (pCi/g)	12	0.96-1.37	1.10	0	12	0.96-1.37	1.10	0
Uranium 238 (pCi/g)	26	1.48-7.27	2.27	0	26	1.48-7.27	2.27	0

No hot spot areas were identified from sample results. No additional soil excavation was required and no deviations to the Sampling Plan occurred at CU97.

Review of the final analytical results supports the preliminary results indicating remedial activities have been completed. The final results meet the cleanup standards as detailed in the *Chemical Plant Area Cleanup Attainment Confirmation Plan* (Ref. 5). After the walkover survey, soil sampling and remediation activities were completed. Disposition Forms were reviewed and signed. Confirmation Unit 97 was released back to the Subcontractor for unrestricted use on October 18, 1996.

5.5 Confirmation Unit 98

Confirmation Unit 98 is located east of Building 414 in the southeastern corner of RU9. The COCs identified for CU98 include U-238, Th-230, Ra-226, Ra-228, chromium, lead, and PCBs. Utility lines were also removed and confirmation samples were collected. Confirmation Unit 98 was released to the PMC on October 10, 1996 by the Subcontractor for confirmation sampling.

The NaI background readings collected for CU98 ranged between 10,000 CPM and 11,200 CPM. All of the final radioactivity levels were less than 1.5 times the background levels. The walkover surveys for this CU were completed on October 10, 1996.

Confirmation soil samples were collected at 32 designated locations (see Figure A-5, Appendix A). Table 5-5 presents sample totals, and concentration ranges and averages for the preliminary and final analytical results.

Table 5-5 Confirmation Unit 98 Analytical Results Summary

Contaminant	Preliminary Results				Final Results			
	No. of Samples	Range	Average	No. of Samples Above ALARA	No. of Samples	Range	Average	No. of Samples Above ALARA
Chromium								
(mg/kg)	5	13-21.5	17.30	0	5	13-21.5	17.30	0
Lead								
(mg/kg)	20	5.8-21.7	12.12	0	20	5.8-21.7	12.12	0
PCB								
(mg/kg)	8	0-0.44	0.06	0	8	0-0.44	0.06	0
Radium 226								
(pCi/g)	5	1.54-1.97	1.80	0	5	0.9-1.12	1.02	0
Radium 228								
(pCi/g)	5	1.32-1.49	1.40	0	5	1.21-1.56	1.43	0
Ra226/Ra228								
(pCi/g)	5	2.97-3.46	3.20	0	5	2.19-2.6	2.45	0
Thorium 230								
(pCi/g)	8	0.73-1.11	0.93	0	8	0.73-1.11	0.93	0
Uranium 238								
(pCi/g)	32	1.45-18.14	3.33	0	32	1.49-18.1	3.33	0

No hot spot areas were identified from sample results. No additional soil excavation was required and no deviations to the Sampling Plan occurred at CU98.

Review of the final analytical results supports the preliminary results indicating remedial activities have been completed. The final results meet the cleanup standards as detailed in the *Chemical Plant Area Cleanup Attainment Confirmation Plan* (Ref. 5). After the walkover survey, soil sampling and remediation activities were completed. Disposition Forms were reviewed and signed. Confirmation Unit 98 was released back to the Subcontractor for unrestricted use on October 18, 1996.

5.6 Confirmation Unit 99

Confirmation Unit 99 is located in the southeastern portion of RU9. The COCs identified for CU99 include U-238, Th-230, Ra-226, Ra-228, chromium, lead, and PCBs. Utility lines were also removed. Confirmation Unit 99 was released to the PMC on October 7, 1996 by the Subcontractor for confirmation sampling.

The NaI background reading collected for CU99 was 10,500 CPM. All of the final radioactivity levels were less than 1.5 times the background level. The walkover surveys for this CU were completed on October 7, 1996.

Confirmation soil samples were collected from 28 designated locations (see Figure A-6, Appendix A). Two additional utility samples were collected. Table 5-6 presents sample totals, and concentration ranges and averages for the preliminary and final analytical results.

Table 5-6 Confirmation Unit 99 Analytical Results Summary

Contaminant	Preliminary Results				Final Results			
	No. of Samples	Range	Average	No. of Samples Above ALARA	No. of Samples	Range	Average	No. of Samples Above ALARA
Chromium								
(mg/kg)	9	5.1-19	14.83	0	9	5.1-19	14.83	0
Lead								
(mg/kg)	22	2.4-26	14.35	0	22	2.4-26	14.35	0
PCB								
(mg/kg)	11	0-0.22	0.02	0	11	0-0.22	0.02	0
Radium 226								
(pCi/g)	11	1.48-2.75	1.92	0	11	1.05-1.54	1.16	0
Radium 228								
(pCi/g)	11	0.4-1.57	1.27	0	11	0.38-1.63	1.29	0

Table 5-6 Confirmation Unit 99 Analytical Results Summary (Continued)

Contaminant	Preliminary Results				Final Results			
	No. of Samples	Range	Average	No. of Samples Above ALARA	No. of Samples	Range	Average	No. of Samples Above ALARA
Ra226/Ra228								
(pCi/g)	11	2.73-4.22	3.19	0	11	1.5-3.17	2.45	0
Thorium 230								
(pCi/g)	11	0.72-1.14	0.90	0	11	0.73-1.14	0.90	0
Uranium 238								
(pCi/g)	29	1.46-9.04	2.55	0	29	1.46-8.42	2.31	0

No hot spot areas were identified from sample results. No additional soil excavation was required and no deviations to the Sampling Plan occurred at CU99.

Review of the final analytical results supports the preliminary results indicating remedial activities have been completed. The final results meet the cleanup standards as detailed in the *Chemical Plant Area Cleanup Attainment Confirmation Plan* (Ref. 5). After the walkover survey, soil sampling and remediation activities were completed. Disposition Forms were reviewed and signed. Confirmation Unit 99 was released back to the Subcontractor for unrestricted use on October 15, 1996.

5.7 Confirmation Unit 100

Confirmation Unit 100 is located in the southwest portion of RU9. The COCs identified for CU100 include U-238 and chromium. Utility lines were also removed and confirmation samples were collected. Confirmation Unit 100 was released to the PMC on November 19, 1996 by the Subcontractor for confirmation sampling.

During excavation, a trinitrotoluene (TNT) area was uncovered in the eastern portion of the CU and continued into CU101. Three of the originally designated sample locations fell within this area. Therefore, TNT analyses were requested for these samples in addition to U-238 and chromium.

The NaI background readings collected for CU100 ranged between 10,000 CPM and 10,200 CPM. The walkover surveys for this CU were conducted on November 19, 1996. Because of the close proximity of Raffinate Pit 3 (large low-level gamma), walkover readings remained greater than 2 times background. Therefore, informational samples were collected and analyzed on site. Based upon the results, soil sampling began.

Confirmation soil samples were collected at 28 designated locations (see Figure A-7, Appendix A). Table 5-7 presents sample totals, and concentration ranges and averages for the preliminary and final analytical results.

Table 5-7 Confirmation Unit 100 Analytical Results Summary

Contaminant	Preliminary Results				Final Results			
	No. of Samples	Range	Average	No. of Samples Above ALARA	No. of Samples	Range	Average	No. of Samples Above ALARA
Chromium (mg/kg)	16	12.4-39.1	20.57	0	16	12.4-39.1	20.57	0
Uranium 238 (pCi/g)	26	1.53-27.89	3.26	0	26	1.53-27.9	3.26	0
TNT (mg/kg)	3	0.004-1.30	0.44	0	3	0.00-1.30	0.44	0

No hot spot areas were identified from sample results. No additional soil excavation was required and no deviations to the Sampling Plan occurred at CU100.

Review of the final analytical results supports the preliminary results indicating remedial activities have been completed. The final results meet the cleanup standards as detailed in the *Chemical Plant Area Cleanup Attainment Confirmation Plan* (Ref. 5). After the walkover survey, soil sampling and remediation activities were completed. Disposition Forms were reviewed and signed. Confirmation Unit 100 was released back to the Subcontractor for unrestricted use on December 2, 1996.

5.8 Confirmation Unit 101

Confirmation Unit 101 is located in the south central portion of RU9, west of Building 412. The COCs identified for CU101 include U-238, Ra-226, Ra-228, chromium, and PCBs. Utility lines were also removed and confirmation samples were collected. Confirmation Unit 101 was released to the PMC on November 19, 1996 by the Subcontractor for confirmation sampling.

During excavation, a TNT area was uncovered in the western portion of the CU and continued into CU100. One of the predetermined sample locations fell within this area. Therefore, TNT analyses and other analyses were requested.

The NaI background readings collected for CU101 ranged between 10,000 CPM and 10,200 CPM. The walkover surveys for this CU were conducted on November 19, 1996. Because of the close proximity of Raffinate Pit 3 (large low-level gamma), NaI readings remained

above 1.5 times background, therefore information samples were collected and analyzed on site. These results determined that the CU was ready to be sampled.

Confirmation soil samples were collected at 30 designated locations (see Figure A-8, Appendix A. No additional utility sample locations were added. Table 5-8 presents sample totals, and concentration ranges and averages for the preliminary and final analytical results.

Table 5-8 Confirmation Unit 101 Analytical Results Summary

Contaminant	Preliminary Results				Final Results			
	No. of Samples	Range	Average	No. of Samples Above ALARA	No. of Samples	Range	Average	No. of Samples Above ALARA
Chromium (mg/kg)	7	14.4-23.8	17.86	0	7	14.4-23.8	17.86	0
PCB (mg/kg)	5	0-0.35	0.07	0	5	0-0.35	0.07	0
Radium 226 (pCi/g)	1	2.2	2.20	0	1	1.52	1.52	0
Radium 228 (pCi/g)	1	0.59	0.59	0	1	1.07	1.07	0
Ra226/Ra228 (pCi/g)	1	2.79	2.79	0	1	2.59	2.59	0
Uranium 238 (pCi/g)	30	1.52-13.76	2.34	0	30	1.52-13.8	2.33	0
TNT (mg/kg)	1	1.30	1.3	0	1	1.30	1.30	0

No hot spot areas were identified from sample results. No additional soil excavation was required and no deviations to the Sampling Plan occurred at CU101.

Review of the final analytical results supports the preliminary results indicating that remedial activities have been completed. The final results meet the cleanup standards as detailed in the *Chemical Plant Area Cleanup Attainment Confirmation Plan* (Ref. 5). After the walkover survey, soil sampling and remediation activities were completed. Disposition Forms were reviewed and signed. Confirmation Unit 101 was released back to the Subcontractor for unrestricted use on December 2, 1996.

5.9 Confirmation Unit 102

Confirmation Unit 102 is located at Building 412 in the central portion of RU9. The COCs identified for CU102 include U-238, Th-230, Ra-226, Ra-228, chromium, lead, and PCBs.

Utility lines were also removed, and confirmation samples were collected. Confirmation Unit 102 was released to the PMC on November 5, 1996 by the Subcontractor for confirmation sampling.

The NaI background reading collected for CU102 was 11,000 CPM. The walkover surveys for this CU were conducted on November 5, 1996. Because of the close proximity of Raffinate Pit 3 (a large low-level gamma source), walkover readings remained above 2 times background. Some informational samples were collected from the areas with the most elevated readings and analyzed on site. The results showed that confirmation sampling could begin.

Confirmation soil samples were collected at 39 designated locations (see Figure A-9, Appendix A). Table 5-9 presents sample totals, and concentration ranges and averages for the preliminary and final analytical results.

Table 5-9 Confirmation Unit 102 Analytical Results Summary

Contaminant	Preliminary Results				Final Results			
	No. of Samples	Range	Average	No. of Samples Above ALARA	No. of Samples	Range	Average	No. of Samples Above ALARA
Chromium (mg/kg)	1	13.7	13.70	0	1	13.7	13.70	0
Lead (mg/kg)	1	6.9	6.90	0	1	6.9	6.90	0
PCB (mg/kg)	23	0-0.73	0.05	0	23	0-0.73	0.05	0
Radium226 (pCi/g)	3	2.2-2.72	2.39	0	3	1.47-1.58	1.52	0
Ra228 (pCi/g)	3	0.59-1.48	1.09	0	3	1.07-1.8	1.34	0
Ra226/Ra228 (pCi/g)	3	2.79-4.2	3.48	0	3	2.59-3.38	2.86	0
Thorium 230 (pCi/g)	10	0.97-1.43	1.23	0	10	0.97-1.43	1.23	0
Uranium 238 (pCi/g)	36	1.5-4.79	2.33	0	36	1.5-4.79	2.35	0

During an ORISE walkover, a 10 ft. x 10 ft. area was identified by high meter readings near sample location SC-10204-S. This area was remediated on the spot. Additional NaI readings collected after remediation indicate results less than 1.5 times background.

Review of the final analytical results supports the preliminary results indicating remedial activities have been completed. The final results meet the cleanup standards as detailed in the *Chemical Plant Area Cleanup Attainment Confirmation Plan* (Ref. 5). After the walkover

survey, soil sampling and remediation activities were completed. Disposition Forms were reviewed and signed. Confirmation Unit 102 was released back to the Subcontractor for unrestricted use on November 20, 1996.

5.10 Confirmation Unit 103

Confirmation Unit 103 is located southwest of Building 406 in the eastern portion of RU9. The COCs identified for CU103 include U-238, Th-230, Th-232, Ra-226, Ra-228, chromium, lead, and PCBs. Utility lines were also removed and confirmation samples were collected from sanitary sewer and process lines. Confirmation Unit 103 was released to the PMC in October 1996, by the Subcontractor for confirmation sampling.

The NaI background readings collected for CU103 ranged between 10,500 CPM and 11,000 CPM. All of the final radioactivity levels were less than 1.5 times the background levels. The final walkover surveys for this CU were completed on October 19, 1996.

During remediation activities, discolored soil with a petroleum odor was discovered in CU103. Objects uncovered, such as concrete slabs and conduit, suggested that a underground storage tank (UST) was once located in this area. Since a UST was the most likely source for petroleum contamination, the PMC used the *LUST Soil Cleanup Guidelines for Undisturbed Soil* to determine the cleanup levels. Samples were collected from the soil removed during excavation of the discolored soil and associated debris. Both BTEX and TPH results exceeded the DNR Action Levels for Soil Contamination. Samples were also collected from the undisturbed soils after excavation (based upon visual observations) was completed. These results were below the Action Levels and therefore no further excavation was required. During confirmation, a soil sample was collected and analyzed for BTEX and TPH. Results were all less than the respective detection limits.

Confirmation soil samples were collected at 36 designated locations (see Figure A-10, Appendix A). Table 5-10 presents sample totals, and concentration ranges and averages for the preliminary and final analytical results.

Review of the final analytical results supports the preliminary results indicating remedial activities have been completed. The final results meet the cleanup standards as detailed in the *Chemical Plant Area Cleanup Attainment Confirmation Plan* (Ref. 5). After the walkover survey, soil sampling and remediation activities were completed. Disposition Forms were reviewed and signed. Confirmation Unit 103 was released back to the Subcontractor for unrestricted use on November 5, 1996.

Table 5-10 Confirmation Unit 103 Analytical Results Summary

Contaminant	Preliminary Results				Final Results			
	No. of Samples	Range	Average	No. of Samples Above ALARA	No. of Samples	Range	Average	No. of Samples Above ALARA
Chromium								
(mg/kg)	6	13.7-19.4	16.58	0	6	13.7-19.4	16.58	0
Lead								
(mg/kg)	8	6.9-33.8	14.04	0	8	6.9-33.8	14.04	0
PCB								
(mg/kg)	8	0-0.73	0.19	1	8	0-0.73	0.19	1
Radium 226								
(pCi/g)	8	1.57-2.75	2.23	0	8	1.11-1.54	1.36	0
Radium 228								
(pCi/g)	8	1.08-1.57	1.30	0	8	1.14-1.63	1.30	0
Ra226/Ra228								
(pCi/g)	8	3.14-4.22	3.53	0	8	2.28-3.17	2.67	0
Thorium 230								
(pCi/g)	8	0.74-1.6	0.99	0	8	0.74-1.6	0.99	0
Thorium 232								
(pCi/g)	See Radium 228 Results				See Radium-228 Results			
Uranium 238								
(pCi/g)	36	1.51-17.72	3.15	0	36	1.51-17.7	3.09	0

5.11 Confirmation Unit 104

Confirmation Unit 104 is located at Building 406 in the eastern portion of RU9. The COCs identified for CU104 include U-238, Th-230, Ra-226, Ra-228, chromium, lead, and PCBs. Utility lines were removed and confirmation samples were collected. Confirmation Unit 104 was released to the PMC on October 8, 1996 by the Subcontractor for confirmation sampling.

The NaI background readings collected for CU104 ranged between 10,500 CPM and 11,000 CPM. All of the final radioactivity levels were less than 1.5 times the background levels. The final walkover surveys for this CU were completed on October 8, 1996.

Confirmation soil samples were collected at 31 designated locations (see Figure A-11, Appendix A). Two additional utility sample locations were added. Table 5-11 presents sample totals, and concentration ranges and averages for the preliminary and final analytical results.

Table 5-11 Confirmation Unit 104 Analytical Results Summary

Contaminant	Preliminary Results				Final Results			
	No. of Samples	Range	Average	No. of Samples Above ALARA	No. of Samples	Range	Average	No. of Samples Above ALARA
Chromium (mg/kg)	2	19.1-21.3	20.20	0	2	19.1-21.3	20.20	0
Lead (mg/kg)	2	14.2-52.7	33.45	0	2	14.2-52.7	33.45	0
PCB (mg/kg)	31	0-1.5	0.06	1	31	0-1.5	0.06	1
Radium 226 (pCi/g)	31	1.57-3.09	2.23	0	31	0.92-1.7	1.31	0
Radium 228 (pCi/g)	31	0.61-2.58	1.34	0	31	0.62-2.26	1.33	0
Ra226/Ra228 (pCi/g)	31	2.38-4.8	3.57	0	31	1.54-3.96	2.64	0
Thorium 230 (pCi/g)	31	0.71-1.42	0.95	0	31	0.71-1.42	0.95	0
Uranium 238 (pCi/g)	33	1.46-11.94	3.05	0	33	1.52-12.9	2.97	0

No hotspots were identified from sample results. No additional soil excavation was required and no deviations to the sampling plan occurred at CU104.

Review of the final analytical results supports the preliminary results indicating remedial activities have been completed. The final results meet the cleanup standards as detailed in the *Chemical Plant Area Cleanup Attainment Confirmation Plan* (Ref. 5). After the walkover survey, soil sampling and remediation activities were completed. Disposition Forms were reviewed and signed. Confirmation Unit 104 was released back to the Subcontractor for unrestricted use on October 18, 1996.

5.12 Confirmation Unit 105

Confirmation Unit 105 is located in the western portion of RU9. The only COC identified for CU105 was U-238. There were no utility corridors located within this CU. Confirmation Unit 105 was released to the PMC on January 21, 1997 by the Subcontractor for confirmation sampling.

The NaI background reading collected for CU105 was 10,000 CPM. The final walkover surveys for this CU were conducted on January 21, 1997. Because of the close proximity of Raffinate Pit 3 (a large low-level gamma emitting source), walkover results were greater than 2

times background. A couple of informational soil samples were collected from areas with the most elevated reading and analyzed on site. Results showed that confirmation soil sampling could begin.

Confirmation soil samples were collected at 24 designated locations (see Figure A-12, Appendix A). Table 5-12 presents sample totals, and concentration ranges and averages for the preliminary and final analytical results.

Table 5-12 Confirmation Unit 105 Analytical Results Summary

Contaminant	Preliminary Results				Final Results			
	No. of Samples	Range	Average	No. of Samples Above ALARA	No. of Samples	Range	Average	No. of Samples Above ALARA
Uranium 238 (pCi/g)	24	1.45-4.7	2.28	0	24	1.45-4.7	2.28	0

No hot spot areas were identified from sample results. No additional soil excavation was required and no deviations to the Sampling Plan occurred at CU105.

Review of the final analytical results supports the preliminary results indicating remedial activities have been completed. The final results meet the cleanup standards as detailed in the *Chemical Plant Area Cleanup Attainment Confirmation Plan* (Ref. 5). After the walkover survey, soil sampling and remediation activities were completed. Disposition Forms were reviewed and signed. Confirmation Unit 105 was released back to the Subcontractor for unrestricted use on January 30, 1997.

5.13 Confirmation Unit 106

Confirmation Unit 106 is located in the western portion of RU9. The COCs identified for CU106 were U-238 and chromium. There were no utility corridors located with this CU. Confirmation Unit 106 was released to the PMC on February 1, 1997 by the Subcontractor for confirmation sampling.

The NaI background reading collected for CU106 was 10,000 CPM. Most of the final radioactivity levels were less than 1.5 times the background level, with a small area approximately 100 m^2 with readings at 2 times background. The final walkover surveys for this CU were completed on February 1, 1997.

Confirmation soil samples were collected at 31 designated locations (see Figure A-13, Appendix A). Table 5-13 presents sample totals, and concentration ranges and averages for the preliminary and final analytical results.

During excavation, a TNT area (approximately 60 ft. x 60 ft.) was discovered in the southeastern area of this CU. This area was remediated and sampled for TNT, U-238, and chromium. Sample results indicated TNT concentrations above the ALARA goal and the average TNT concentration slightly above the ALARA goal. The ALARA committee's decision approved the unconditional release of this CU based on the overall total percentage of RU9 TNT sample concentrations that were below ALARA. Furthermore, the overall TNT average concentration for RU9 is below the ALARA goal.

Table 5-13 Confirmation Unit 106 Analytical Results Summary

Contaminant	Preliminary Results				Final Results			
	No. of Samples	Range	Average	No. of Samples Above ALARA	No. of Samples	Range	Average	No. of Samples Above ALARA
Chromium (mg/kg)	16	12.4-23.1	16.44	0	16	12.4-23.1	16.44	0
Uranium 238 (pCi/g)	30	1.44-4.36	2.01	0	30	1.44-4.36	2.01	0
TNT (mg/kg)	4	5.00-34.00	15.33	1	4	5.00-34.00	15.33	1

Review of the final analytical results supports the preliminary results indicating remedial activities have been completed. The final results meet the cleanup standards as detailed in the *Chemical Plant Area Cleanup Attainment Confirmation Plan* (Ref. 5). After the walkover survey, soil sampling and remediation activities were completed. Disposition Forms were reviewed and signed. Confirmation Unit 106 was released back to the Subcontractor for unrestricted use on February 12, 1997.

5.14 Confirmation Unit 107

Confirmation Unit 107 is located in the central portion of RU9. The COCs identified for CU107 include U-238, chromium, and PCBs. There were no utility corridors located within this CU. Confirmation Unit 107 was released to the PMC on November 21, 1996, by the subcontractor for confirmation sampling.

The NaI background reading collected for CU107 was 10,400 CPM. The final walkover surveys for this CU were conducted on November 21, 1996. Due to the close proximity of Raffinate Pit 3 (a large low-level gamma source), reading remained greater than 1.5 times background.

Confirmation soil samples were collected at 37 designated locations (see Figure A-14, Appendix A). Table 5-14 presents sample totals, and concentration ranges and averages for the preliminary and final analytical results.

Table 5-14 Confirmation Unit 107 Analytical Results Summary

Contaminant	Preliminary Results				Final Results			
	No. of Samples	Range	Average	No. of Samples Above ALARA	No. of Samples	Range	Average	No. of Samples Above ALARA
Chromium (mg/kg)	5	15-19.5	17.16	0	5	15-19.5	17.16	0
PCB (mg/kg)	4	0	N/A	0	4	0	N/A	0
Uranium 238 (pCi/g)	37	1.38-13.76	2.46	0	37	1.38-13.8	2.46	0

N/A Average not applicable

No hot spot areas were identified from sample results. No additional soil excavation was required and no deviations to the Sampling Plan occurred at CU107.

Review of the final analytical results supports the preliminary results indicating remedial activities have been completed. The final results meet the cleanup standards as detailed in the *Chemical Plant Area Cleanup Attainment Confirmation Plan* (Ref. 5). After the walkover survey, soil sampling and remediation activities were completed. Disposition Forms were reviewed and signed. Confirmation Unit 107 was released back to the Subcontractor for unrestricted use on December 2, 1996.

5.15 Confirmation Unit 108

Confirmation Unit 108 is located west of Building 406 in the central portion of RU9. The COCs identified for CU108 include U-238, Th-230, Ra-226, Ra-228, PAHs, and PCBs. There were no utility corridors located within this CU. Confirmation Unit 108 was released to the PMC on November 5, 1996 by the Subcontractor for confirmation sampling.

The NaI background reading collected for CU108 was 11,000 CPM. All of the final radioactivity levels were less than 1.5 times the background level. The final walkover surveys for this CU were completed on November 6, 1996.

Confirmation soil samples were collected at 36 designated locations (see Figure A-15, Appendix A). Table 5-15 presents sample totals, and concentration ranges and averages for the preliminary and final analytical results.

Table 5-15 Confirmation Unit 108 Analytical Results Summary

Contaminant	Preliminary Results				Final Results			
	No. of Samples	Range	Average	No. of Samples Above ALARA	No. of Samples	Range	Average	No. of Samples Above ALARA
PAH								
(mg/kg)	5	0	N/A	0	5	0	N/A	0
PCB								
(mg/kg)	7	0	N/A	0	7	0	N/A	0
Radium 226								
(pCi/g)	4	1.77-2.22	1.99	0	4	1.11-1.37	1.25	0
Radium 228								
(pCi/g)	4	0.61-1.45	1.13	0	4	1.22-1.81	1.41	0
Ra226/Ra228								
(pCi/g)	4	2.38-3.52	3.12	0	4	2.5-3.03	2.66	0
Thorium 230								
(pCi/g)	4	0.8-0.92	0.88	0	4	0.8-0.92	0.88	0
Uranium 238								
(pCi/g)	36	1.58-17.72	3.25	0	36	1.58-17.7	3.28	0

N/A Average not applicable

No hot spot areas were identified from sample results. No additional soil excavation was required and no deviations to the Sampling Plan occurred at CU108.

Review of the final analytical results supports the preliminary results indicating remedial activities have been completed. The final results meet the cleanup standards as detailed in the *Chemical Plant Area Cleanup Attainment Confirmation Plan* (Ref. 5). After the walkover survey, soil sampling and remediation activities were completed. Disposition Forms were reviewed and signed. Confirmation Unit 108 was released back to the Subcontractor for unrestricted use on November 18, 1996.

5.16 Confirmation Unit 109

Confirmation Unit 109 is located at Building 108 in the eastern portion of RU9. The COCs identified for CU109 include U-238, Th-230, Th-232, Ra-226, Ra-228, arsenic, chromium, lead, PAHs, and PCBs. Utility corridors were removed within this CU. A portion of CU109 was released in November 1996, with the remaining portion released in December 1996.

The NaI background readings ranged between 9,500 and 11,000 CPM. All of the final radioactivity levels were less than 1.5 times the background level. The final walkover surveys for this CU were completed on November 12, 1996, and December 14, 1996.

Confirmation soil samples were collected at 36 designated locations (see Figure A-16, Appendix A). Table 5-16 presents sample totals, and concentration ranges and averages for the preliminary and final analytical results.

Table 5-16 Confirmation Unit 109 Analytical Results Summary

Contaminant	Preliminary Results				Final Results			
	No. of Samples	Range	Average	No. of Samples Above ALARA	No. of Samples	Range	Average	No. of Samples Above ALARA
Arsenic								
(mg/kg)	12	2.7-13.2	5.79	0	12	2.7-13.2	5.79	0
Chromium								
(mg/kg)	25	6.6-23.6	13.62	0	25	6.6-23.6	13.62	0
Lead								
(mg/kg)	25	3.4-116	16.24	0	25	3.4-116	16.24	0
PAH								
(mg/kg)	12	0-0.65	0.12	1	12	0-0.65	0.12	1
PCB								
(mg/kg)	32	0-1.5	0.05	1	32	0-1.5	0.05	1
Radium 226								
(pCi/g)	31	1.36-3.09	1.98	0	31	0.92-1.58	1.18	0
Radium 228								
(pCi/g)	31	0.68-1.94	1.37	0	31	0.64-1.8	1.43	0
Thorium 230								
(pCi/g)	30	0.68-1.42	0.95	0	30	0.68-1.42	0.95	0
Thorium 230								
(pCi/g)	See Radium 228 Results				See Radium 228 Results			
Uranium 238								
(pCi/g)	33	1.47-32.23	3.85	1	32	1.5-32.5	3.98	1

No hot spot areas were identified from the sample results. No additional soil excavation was required and no deviations to the Sampling Plan occurred at CU109.

Review of the final analytical results supports the preliminary results indicating that remedial activities have been completed. The final results meet the cleanup standards as detailed in the *Chemical Plant Area Cleanup Attainment Confirmation Plan* (Ref. 5). After the walkover survey, soil sampling and remediation activities were completed. Disposition Forms were reviewed and signed. Confirmation Unit 109 was released back to the Subcontractor for unrestricted use on December 31, 1996.

5.17 Confirmation Unit 110

Confirmation Unit 110 is located west of Building 108 in the eastern portion of RU9. The COCs identified for CU110 include U-238, Th-230, Th-232, Ra-226, Ra-228, arsenic, chromium, lead, PAHS, and PCBs. There were no utility corridors located within this CU. Confirmation Unit 110 was released to the PMC on December 16, 1996, by the subcontractor for confirmation sampling.

The NaI background reading collected for CU110 was 10,200 CPM. All of the final radioactivity levels were less than 1.5 times the background level. The final walkover surveys for this CU were completed on December 16, 1996.

Confirmation soil samples were collected at 34 designated locations (see Figure A-17, Appendix A). Table 5-17 presents sample totals, and concentration ranges and averages for the preliminary and final analytical results.

Table 5-17 Confirmation Unit 110 Analytical Results Summary

Contaminant	Preliminary Results				Final Results			
	No. of Samples	Range	Average	No. of Samples Above ALARA	No. of Samples	Range	Average	No. of Samples Above ALARA
Arsenic								
(mg/kg)	4	4.3-10.1	6.90	0	4	4.3-10.1	6.90	0
Chromium								
(mg/kg)	27	9.8-24.7	15.30	0	27	9.8-24.7	15.30	0
Lead								
(mg/kg)	27	6.3-53.3	14.92	0	27	6.3-53.3	14.92	0
PAH								
(mg/kg)	21	0-0.42	0.03	0	21	0-0.42	0.03	0
PCB								
(mg/kg)	29	0-4.9	0.07	2	29	0-4.9	0.07	2
Ra226								
(pCi/g)	29	0.85-2.84	1.84	0	79	0.98-1.86	1.23	0
Ra228								
(pCi/g)	29	0.67-1.94	1.36	0	29	0.64-1.81	1.39	0
Ra226/Ra228								
(pCi/g)	29	1.95-4.16	3.20	0	29	1.96-3.29	2.62	0
Thorium 230								
(pCi/g)	27	0.68-1.24	0.91	0	27	0.68-1.24	0.91	0
Thorium 232								
(pCi/g)	See Radium 228 Results				See Radium 228 Results			
Uranium 238								
(pCi/g)	28	1.49-32.23	4.24	1	28	1.52-32.5	4.44	1

No hot spot areas were identified from the sample results. No additional soil excavation was required and no deviations to the sampling plan occurred at CU110.

Review of the final analytical results supports the preliminary results indicating remedial activities have been completed. The final results meet the cleanup standards as detailed in the *Chemical Plant Area Cleanup Attainment Confirmation Plan* (Ref. 5). After the walkover survey, soil sampling and remediation activities were completed. Disposition Forms were reviewed and signed. Confirmation Unit 110 was released back to the Subcontractor for unrestricted use on January 6, 1997.

5.18 Confirmation Unit 111

Confirmation Unit 111 is located west of Building 406 in the central portion of RU9. The COCs identified for CU111 include U-238, Th-230, Th-232, Ra-226, Ra-228, arsenic, chromium, lead, PAHs, and PCBs. There were no utility corridors located within this CU. Confirmation Unit 111 was released to the PMC on December 11, 1996 by the Subcontractor for confirmation sampling.

The NaI background reading collected for CU111 was 10,500 CPM. All of the final radioactivity levels were less than 1.5 times the background level. The final walkover surveys for this CU were completed on December 11, 1996.

Confirmation soil samples were collected at 33 designated locations (see Figure A-18, Appendix A). Table 5-18 presents sample totals, and concentration ranges and averages for the preliminary and final analytical results.

Table 5-18 Confirmation Unit 111 Analytical Results Summary

Contaminant	Preliminary Results				Final Results			
	No. of Samples	Range	Average	No. of Samples Above ALARA	No. of Samples	Range	Average	No. of Samples Above ALARA
Arsenic								
(mg/kg)	3	2.9-8.0	5.07	0	3	2.9-8	5.07	0
Chromium								
(mg/kg)	8	10.9-24.7	17.64	0	8	10.9-24.7	17.64	0
Lead								
(mg/kg)	8	6.8-53.3	20.73	0	8	6.8-53.3	20.73	0
PAH								
(mg/kg)	6	0-0.42	0.07	0	6	0-0.42	0.07	0
PCB								
(mg/kg)	12	0-0.07	0.01	0	12	0-0.07	0.01	0

No hot spot areas were identified from sample results. No additional soil excavation was required and no deviations to the Sampling Plan occurred at CU112.

Table 5-19 Confirmation Unit 112 Analytical Results Summary

Contaminant	Preliminary Results				Final Results			
	No. of Samples	Range	Average	No. of Samples Above ALARA	No. of Samples	Range	Average	No. of Samples Above ALARA
Arsenic								
(mg/kg)	1	2.9	2.90	0	1	2.9	2.90	0
Chromium								
(mg/kg)	1	10.9	10.90	0	1	10.9	10.90	0
Lead								
(mg/kg)	1	6.8	6.80	0	1	6.8	6.80	0
PCB								
(mg/kg)	1	0	N/A	0	1	0	N/A	0
Radium226								
(pCi/g)	1	1.93	1.93	0	1	1.19	1.19	0
Radium228								
(pCi/g)	1	1.28	1.28	0	1	1.4	1.40	0
Ra226/Ra228								
(pCi/g)	1	3.21	3.21	0	1	2.59	2.59	0
Thorium 230								
(pCi/g)	1	1.02	1.02	0	1	1.02	1.02	0
Thorium 232								
(pCi/g)	See Radium 228 Results				See Radium 228 Results			
Uranium 238								
(pCi/g)	37	1.47-5.69	2.19	0	37	1.47-5.69	2.19	0

N/A Average not applicable

Review of the final analytical results supports the preliminary results indicating remedial activities have been completed. The final results meet the cleanup standards as detailed in the *Chemical Plant Area Cleanup Attainment Confirmation Plan* (Ref. 5). After the walkover survey, soil sampling and remediation activities were completed. Disposition Forms were reviewed and signed. Confirmation Unit 112 was released back to the Subcontractor for unrestricted use on December 18, 1996.

5.20 Confirmation Unit 113

Confirmation Unit 113 is located west of Building 426 in the north central portion of RU9. The only COC identified for CU113 was U-238. There were no utility corridors located within this CU. Confirmation Unit 113 was released to the PMC on January 22, 1997 by the Subcontractor for confirmation sampling.

Table 5-18 Confirmation Unit 111 Analytical Results Summary (Continued)

Contaminant	Preliminary Results				Final Results			
	No. of Samples	Range	Average	No. of Samples Above ALARA	No. of Samples	Range	Average	No. of Samples Above ALARA
Radium 226								
(pCi/g)	12	1.27-3.09	2.12	0	12	1.05-1.7	1.38	0
Radium 228								
(pCi/g)	12	0.61-2.58	1.32	0	12	0.67-2.26	1.47	0
Ra226/Ra228								
(pCi/g)	12	2.38-4.8	3.44	0	12	2.1-3.98	2.85	0
Thorium 230								
(pCi/g)	11	0.71-1.24	0.97	0	11	0.71-1.24	0.97	0
Thorium-232 (pCi/g)	See Radium 228 Results				See Radium 228 Results			
Uranium 238 (pCi/g)	33	1.47-17.03	4.21	0	33	1.47-22.2	4.33	0

No hot spot areas were identified from sample results. No additional soil excavation was required and no deviations to the Sampling Plan occurred at CU111.

Review of the final analytical results supports the preliminary results indicating remedial activities have been completed. The final results meet the cleanup standards as detailed in the Chemical Plant Area Cleanup Attainment Confirmation Plan (Ref. 5). After the walkover survey, soil sampling and remediation activities were completed. Disposition Forms were reviewed and signed. Confirmation Unit 111 was released back to the Subcontractor for unrestricted use on December 18, 1996.

5.19 Confirmation Unit 112

Confirmation Unit 112 is located at Building 426 in the north central portion of RU9. The COCs identified for CU112 include U-238, Th-230, Th-232, Ra-226, Ra-228, arsenic, chromium, lead, and PCBs. There were no utility corridors located within this CU. Confirmation Unit 112 was released to the PMC on December 11, 1996 by the Subcontractor for confirmation sampling.

The NaI background reading collected for CU112 was 10,500 CPM. All of the final radioactivity levels were less than 1.5 times the background level. The final walkover surveys for this CU were completed on December 11, 1996.

Confirmation soil samples were collected at 37 designated locations (see Figure A-19, Appendix A). Table 5-19 presents sample totals, and concentration ranges and averages for the preliminary and final analytical results.

The NaI background reading collected for CU113 was 10,000 CPM. All of the final radioactivity levels were less than 1.5 times the background level. The final walkover surveys for this CU were completed on January 22, 1997.

Confirmation soil samples were collected at 31 designated locations (see Figure A-20, Appendix A). Table 5-20 presents sample totals, and concentration ranges and averages for the preliminary and final analytical results.

Table 5-20 Confirmation Unit 113 Analytical Results Summary

Contaminant	Preliminary Results				Final Results			
				No. of Samples Above ALARA				No. of Samples Above ALARA
	No. of Samples	Range	Average		No. of Samples	Range	Average	
Uranium 238								
(pCi/g)	31	1.47-6.69	2.47	0	31	1.47-6.69	2.47	0

No hot spot areas were identified from sample results. No additional soil excavation was required and no deviations to the Sampling Plan occurred at CU113.

Review of the final analytical results supports the preliminary results indicating remedial activities have been completed. The final results meet the cleanup standards as detailed in the *Chemical Plant Area Cleanup Attainment Confirmation Plan* (Ref. 5). After the walkover survey, soil sampling and remediation activities were completed. Disposition Forms were reviewed and signed. Confirmation Unit 113 was released back to the Subcontractor for unrestricted use on January 30, 1997.

5.21 Confirmation Unit 114

Confirmation Unit 114 is located in the north central portion of RU9. The only COC identified for CU114 was U-238. There were no utility corridors located within this CU. Confirmation Unit 107 was released to the PMC on February 1, 1997 by the Subcontractor for confirmation sampling.

The NaI background reading collected for was 10,000 CPM. All of the final radioactivity levels were less than 1.5 times the background level. The final walkover surveys for this CU were completed on February 1, 1997.

Confirmation soil samples were collected at 30 designated locations (see Figure A-21, Appendix A). Table 5-21 presents sample totals, and concentration ranges and averages for the preliminary and final analytical results.

Table 5-21 Confirmation Unit 114 Analytical Results Summary

Contaminant	Preliminary Results				Final Results			
				No. of Samples Above ALARA				No. of Samples Above ALARA
	No. of Samples	Range	Average		No. of Samples	Range	Average	
Uranium 238								
(pCi/g)	30	1.47-6.69	2.21	0	30	1.47-6.69	2.21	0

No hot spot areas were identified from sample results. No additional soil excavation was required and no deviations to the Sampling Plan occurred at CU114.

Review of the final analytical results supports the preliminary results indicating remedial activities have been completed. The final results meet the cleanup standards as detailed in the *Chemical Plant Area Cleanup Attainment Confirmation Plan* (Ref. 5). After the walkover survey, soil sampling and remediation activities were completed. Disposition Forms were reviewed and signed. Confirmation Unit 114 was released back to the Subcontractor for unrestricted use on February 10, 1997.

5.22 Confirmation Unit 115

Confirmation Unit 115 is located in the western portion of RU9. The COCs identified for CU115 include U-238, Ra-226, and Ra-228. Portions of CU115 boundaries were eliminated from the WP-420 confirmation activities. The boundaries were relocated and resurveyed. An IOC detailing the changes was issued (see Appendix E). There were no utility corridors located within this CU. Confirmation Unit 115 was released to the PMC on February 10, 1997 by the Subcontractor for confirmation sampling.

The NaI background reading collected for CU115 was 10,000 CPM. All of the final radioactivity levels were less than 1.5 times the background level. The final walkover surveys for this CU were completed on February 10, 1997.

Confirmation soil samples were collected at 23 designated locations (see Figure A-22, Appendix A). Table 5-22 presents sample totals, and concentration ranges and averages for the preliminary and final analytical results.

Table 5-22 Confirmation Unit 115 Analytical Results Summary

Contaminant	Preliminary Results				Final Results			
	No. of Samples	Range	Average	No. of Samples Above ALARA	No. of Samples	Range	Average	No. of Samples Above ALARA
Radium 226								
(pCi/g)	12	0.68-2.27	1.66	0	12	0.83-1.45	1.25	0
Radium 228								
(pCi/g)	12	0.58-1.6	1.29	0	12	0.43-1.56	1.16	0
Ra226/Ra228								
(pCi/g)	12	2.06-3.67	2.95	0	12	1.78-2.93	2.42	0
Uranium 238								
(pCi/g)	23	1.35-7.42	2.46	0	23	1.23-7.42	2.43	0

No hot spot areas were identified from sample results. No additional soil excavation was required and no deviations to the Sampling Plan occurred at CU115.

Review of the final analytical results supports the preliminary results indicating remedial activities have been completed. The final results meet the cleanup standards as detailed in the *Chemical Plant Area Cleanup Attainment Confirmation Plan* (Ref. 5). After the walkover survey, soil sampling and remediation activities were completed. Disposition Forms were reviewed and signed. Confirmation Unit 115 was released back to the Subcontractor for unrestricted use on February 28, 1997.

5.23 Confirmation Unit 116

Confirmation Unit 116 is located in the northwest corner of RU9. The COCs identified for CU116 include U-238 and PCBs. Portions of CU116 boundaries (i.e., areas located on the northeastern and northwestern corners) were eliminated from the WP-420 confirmation activities. The boundaries were relocated and resurveyed. An IOC detailing the changes was issued (see Appendix E). There were no utility corridors located within this CU. Confirmation Unit 116 was released to the PMC in three sections from February 1997 to June 1997 by the Subcontractor for confirmation sampling.

The NaI background readings collected for CU116 ranged between 9,000 - 10,000 CPM. All of the final radioactivity levels were less than 1.5 times the background level. The final walkover surveys for this CU were conducted in February and June 1997.

Confirmation soil samples were collected at 33 designated locations (see Figure A-23, Appendix A). Table 5-23 presents sample totals, and concentration ranges and averages for the preliminary and final analytical results.

Table 5-23 Confirmation Unit 116 Analytical Results Summary

Contaminant	Preliminary Results				Final Results			
				No. of Samples Above ALARA				No. of Samples Above ALARA
	No. of Samples	Range	Average		No. of Samples	Range	Average	
PCB								
(mg/kg)	5	0	N/A	0	5	0	N/A	0
Uranium 238								
(pCi/g)	33	1.25-7.42	2.51	0	33	1.52-7.42	2.51	0

N/A Average not applicable

There was one hot spot identified from the sample results for radium. Although radium was not a COC for this confirmation unit, one sample exceeded criteria for total radium on the gamma spectrum. The gamma spectrum has been included with the disposition form. The concentration for combined radium was 8.97 pCi/g, which exceeded Criteria. Additional samples were collected to determine the size. These results were all less than ALARA and the hot spot size was determined not to exceed 25 m^2, therefore meeting the hot spot rule. Therefore, no additional soil excavation was required and no deviations to the Sampling Plan occurred at CU116.

Review of the final analytical results supports the preliminary results indicating remedial activities have been completed. The final results meet the cleanup standards as detailed in the *Chemical Plant Area Cleanup Attainment Confirmation Plan* (Ref. 5). After the walkover survey, soil sampling and remediation activities were completed. Disposition Forms were reviewed and signed. Confirmation Unit 116 was released back to the Subcontractor for unrestricted use on June 24, 1997.

5.24 Confirmation Unit 117

Confirmation Unit 117 is located in the northwest portion of RU9. The COCs identified for CU117 include U-238, and PCBs. There were no utility corridors located within this CU. Confirmation Unit 117 was released to the PMC in February 1997 by the Subcontractor for confirmation sampling.

The NaI background reading collected for CU107 was 10,000 CPM. All of the final radioactivity levels were less than 1.5 times the background level, with the exception of the southern portion, which ranged from 1.5 times to 2 times background. The final walkover surveys for this CU were completed on February 3, 1997.

Confirmation soil samples were collected at 32 designated locations (see Figure A-24, Appendix A). Table 5-24 presents sample totals, and concentration ranges and averages for the preliminary and final analytical results.

Table 5-24 Confirmation Unit 117 Analytical Results Summary

Contaminant	Preliminary Results				Final Results			
				No. of Samples Above ALARA				No. of Samples Above ALARA
	No. of Samples	Range	Average		No. of Samples	Range	Average	
PCB (mg/kg)	1	0	N/A	0	1	0	N/A	0
Uranium 238 (pCi/g)	32	1.54-4.16	2.19	0	32	1.54-4.16	2.19	0

N/A Average not applicable

No hot spot areas were identified from sample results. No additional soil excavation was required and no deviations to the Sampling Plan occurred at CU117.

Review of the final analytical results supports the preliminary results indicating remedial activities have been completed. The final results meet the cleanup standards as detailed in the *Chemical Plant Area Cleanup Attainment Confirmation Plan* (Ref. 5). After the walkover survey, soil sampling and remediation activities were completed. Disposition Forms were reviewed and signed. Confirmation Unit 117 was released back to the Subcontractor for unrestricted use on February 12, 1997.

During the removal of unsuitable soil, following the release of CU117, an equipment operator detected a solvent odor in the area being excavated. An undisturbed soil sample was collected and results indicated hexane as the contaminant. Hexane contaminated soils were removed from the area of known contamination. Excavation continued in an attempt to remove all of the contaminated soil; however, the contamination continued to considerable depth. Samples were collected and residual levels of hexane in soils were measured at a maximum concentration of 520 ppm. Based on equilibrium solubility modeling, this residual level would likely result in a maximum hexane concentration in adjacent groundwater of approximately 5 ppb. This is less than the calculated hexane concentration of 190,000 ppb that would have to be present in Burgermeister Spring to achieve an unacceptable human health risk with a Hazard Index of 1. A copy of the letter detailing the hexane contaminated soil investigation has been included in Appendix E.

5.25 Confirmation Unit 118

Confirmation Unit 118 is located in the northern portion of RU9. The only COC identified for CU118 was U-238. There were no utility corridors located within this CU. Confirmation Unit 118 was released to the PMC on February 6, 1997 by the Subcontractor for confirmation sampling.

The NaI background reading collected for CU118 was 9,900 CPM. All of the final radioactivity levels were less than 1.5 times the background level. The final walkover surveys for this CU were completed on February 6, 1997.

Confirmation soil samples were collected at 27 designated locations (see Figure A-25, Appendix A). Table 5-25 presents sample totals, and concentration ranges and averages for the preliminary and final analytical results.

Table 5-25 Confirmation Unit 118 Analytical Results Summary

Contaminant	Preliminary Results				Final Results			
				No. of Samples Above				No. of Samples Above
	No. of Samples	Range	Average	ALARA	No. of Samples	Range	Average	ALARA
Uranium 238								
(pCi/g)	27	1.53-7.08	2.09	0	27	1.53-7.08	2.09	0

No hot spot areas were identified from sample results. No additional soil excavation was required and no deviations to the Sampling Plan occurred at CU118.

Review of the final analytical results supports the preliminary results indicating remedial activities have been completed. The final results meet the cleanup standards as detailed in the *Chemical Plant Area Cleanup Attainment Confirmation Plan* (Ref. 5). After the walkover survey, soil sampling and remediation activities were completed. Disposition Forms were reviewed and signed. Confirmation Unit 118 was released back to the Subcontractor for unrestricted use on February 18, 1997.

5.26 Confirmation Unit 119

Confirmation Unit 119 is located in the northern portion of RU9. The only COC identified for CU119 was U-238. There were no utility corridors located within this CU. Confirmation Unit 119 was released to the PMC on February 6, 1997 by the Subcontractor for confirmation sampling.

The NaI background reading collected for CU119 was 10,100 CPM. All of the final radioactivity levels were less than 1.5 times the background level. The final walkover surveys for this CU were completed on February 6, 1997.

Confirmation soil samples were collected at 24 designated locations (see Figure A-26, Appendix A). Table 5-26 presents sample totals, and concentration ranges and averages for the preliminary and final analytical results.

Table 5-26 Confirmation Unit 119 Analytical Results Summary

Contaminant	Preliminary Results				Final Results			
				No. of Samples Above ALARA				No. of Samples Above ALARA
	No. of Samples	Range	Average		No. of Samples	Range	Average	
Uranium 238 (pCi/g)	24	1.51-6.69	2.29	0	24	1.51-6.69	2.29	0

No hot spot areas were identified from sample results. No additional soil excavation was required and no deviations to the Sampling Plan occurred at CU119.

Review of the final analytical results supports the preliminary results indicating remedial activities have been completed. The final results meet the cleanup standards as detailed in the *Chemical Plant Area Cleanup Attainment Confirmation Plan* (Ref. 5). After the walkover survey, soil sampling and remediation activities were completed. Disposition Forms were reviewed and signed. Confirmation Unit 119 was released back to the Subcontractor for unrestricted use on February 13, 1997.

5.27 Confirmation Unit 120

Confirmation Unit 120 is located at Building 428 in the northern portion of RU9. The COCs identified for CU120 include U-238, Th-230, Th-232, Ra-226, and Ra-228. There were no utility corridors located within this CU. Confirmation Unit 120 was released to the PMC on January 7, 1997 by the Subcontractor for confirmation sampling.

The NaI background reading collected for CU120 was 10,500 CPM. All of the final radioactivity levels were less than 1.5 times the background level. The final walkover surveys for this CU were completed on January 7, 1997.

Confirmation soil samples were collected at 30 designated locations (see Figure A-27, Appendix A). Table 5-27 presents sample totals, and concentration ranges and averages for the preliminary and final analytical results.

No hot spot areas were identified from sample results. No additional soil excavation was required and no deviations to the Sampling Plan occurred at CU120.

Table 5-27 Confirmation Unit 120 Analytical Results Summary

Contaminant	Preliminary Results				Final Results			
	No. of Samples	Range	Average	No. of Samples Above ALARA	No. of Samples	Range	Average	No. of Samples Above ALARA
Radium 226								
(pCi/g)	5	1.73-2.38	2.12	0	5	1.1-1.44	1.32	0
Radium 228								
(pCi/g)	5	0.84-1.51	1.12	0	5	0.85-1.47	1.25	0
Ra226/Ra228								
(pCi/g)	5	3.02-3.73	3.24	0	5	2.16-2.88	2.57	0
Thorium 230								
(pCi/g)	5	0.79-1.04	0.92	0	5	0.79-1.04	0.92	0
Thorium 232								
(pCi/g)	See Radium 228 Results				See Radium 228 Results			
Uranium 238								
(pCi/g)	30	1.37-5.15	2.05	0	30	1.42-5.15	2.07	0

Review of the final analytical results supports the preliminary results indicating remedial activities have been completed. The final results meet the cleanup standards as detailed in the *Chemical Plant Area Cleanup Attainment Confirmation Plan* (Ref. 5). After the walkover survey, soil sampling and remediation activities were completed. Disposition Forms were reviewed and signed. Confirmation Unit 120 was released back to the Subcontractor for unrestricted use on January 14, 1997.

5.28 Confirmation Unit 121

Confirmation Unit 121 is located at Building 413 in the northern portion of RU9. The COCs identified for CU121 include U-238, Th-230, Th-232, Ra-226, Ra-228, arsenic, chromium, lead, PAHs, and PCBs. There were utility corridors located within this CU. Confirmation Unit 121 was released to the PMC on January 20, 1997 by the Subcontractor for confirmation sampling.

The NaI background reading for CU121 ranged between 10,500 CPM and 10,600 CPM. All of the final radioactivity levels were less than 1.5 times the background level. The final walkover surveys for this CU were completed on January 20, 1997.

Confirmation soil samples were collected at 37 designated locations (see Figure A-28, Appendix A). Table 5-28 presents sample totals, and concentration ranges and averages for the preliminary and final analytical results.

Table 5-28 Confirmation Unit 121 Analytical Results Summary

Contaminant	Preliminary Results				Final Results			
	No. of Samples	Range	Average	No. of Samples Above ALARA	No. of Samples	Range	Average	No. of Samples Above ALARA
Arsenic								
(mg/kg)	24	0.48-10.1	4.45	0	24	1.8-10.1	5.01	0
Chromium								
(mg/kg)	27	4.6-28	13.96	0	27	4.6-28	13.96	0
Lead								
(mg/kg)	27	5.9-53.3	15.34	0	27	5.9-53.3	15.34	0
PAH								
(mg/kg)	1	0	N/A	0	1	0	N/A	0
PCB								
(mg/kg)	27	0	N/A	0	27	0	N/A	0
Ra226								
(pCi/g)	27	0.77-2.27	1.60	0	27	0.4-1.41	1.09	0
Ra228								
(pCi/g)	27	0.61-1.69	1.22	0	27	1.1-1.84	1.42	0
Ra226/Ra228								
(pCi/g)	27	1.46-3.46	2.62	0	27	2.18-3.1	2.51	0
Thorium 230								
(pCi/g)	27	0.71-1.12	0.85	0	27	0.71-1.12	0.85	0
Thorium 232								
(pCi/g)	See Radium 228 Results				See Radium 228 Results			
Uranium 238								
(pCi/g)	37	1.41-4.98	1.88	0	33	1.45-4.98	1.92	0

N/A Average not applicable

No hot spot areas were identified from sample results. No additional soil excavation was required and no deviations to the Sampling Plan occurred at CU121.

Review of the final analytical results supports the preliminary results indicating remedial activities have been completed. The final results meet the cleanup standards as detailed in the *Chemical Plant Area Cleanup Attainment Confirmation Plan* (Ref. 5). After the walkover survey, soil sampling and remediation activities were completed. Disposition Forms were reviewed and signed. Confirmation Unit 121 was released back to the Subcontractor for unrestricted use on January 29, 1997.

5.29 Confirmation Unit 122

Confirmation Unit 122 is located east of Building 413 in the northeast corner of RU9. The COCs identified for CU122 include U-238, Th-230, Th-232, Ra-226, Ra-228, arsenic, chromium, lead, PAHs, and PCBs. There were utility corridors located within this CU.

Confirmation Unit 122 was released to the PMC on January 20, 1997 by the Subcontractor for confirmation sampling.

The NaI background reading collected for CU122 was 10,600 CPM. All of the final radioactivity levels were less than 1.5 times the background level. The final walkover surveys for this CU were completed on January 7, 1997

Confirmation soil samples were collected at 33 designated locations (see Figure A-29, Appendix A). Table 5-29 presents sample totals, and concentration ranges and averages for the preliminary and final analytical results.

Table 5-29 Confirmation Unit 122 Analytical Results Summary

Contaminant	Preliminary Results				Final Results			
	No. of Samples	Range	Average	No. of Samples Above ALARA	No. of Samples	Range	Average	No. of Samples Above ALARA
Arsenic								
(mg/kg)	16	0.48-8.7	4.12	0	16	1.8-8.7	4.37	0
Chromium								
(mg/kg)	22	7-25.1	15.37	0	22	7-25.1	15.37	0
Lead								
(mg/kg)	22	6.1-34.9	14.55	0	22	6.1-34.9	14.55	0
PAH								
(mg/kg)	1	0	N/A	0	1	0	N/A	0
PCB								
(mg/kg)	26	0-0.06	0.002	0	26	0-0.06	0.002	0
Radium 226								
(pCi/g)	23	1.52-2.27	1.87	0	23	0.8-1.49	1.08	0
Radium 228								
(pCi/g)	23	0.59-1.94	1.42	0	23	0.58-1.74	1.29	0
Ra226/Ra228								
(pCi/g)	23	2.22-3.89	3.29	0	23	1.38-2.83	2.36	0
Thorium 230								
(pCi/g)	22	0.68-0.99	0.86	0	22	0.68-0.99	0.86	0
Thorium 232								
(pCi/g)	See Radium 228 Results				See Radium 228 Results			
Uranium 238								
(pCi/g)	32	1.41-3.86	1.93	0	31	1.44-5.72	1.98	0

N/A Average not applicable

No hot spot areas were identified from sample results. No additional soil excavation was required and no deviations to the Sampling Plan occurred at CU122.

Review of the final analytical results supports the preliminary results indicating that remedial activities have been completed. The final results meet the cleanup standards as detailed in the *Chemical Plant Area Cleanup Attainment Confirmation Plan* (Ref. 5). After the walkover survey, soil sampling and remediation activities were completed. Disposition Forms were reviewed and signed. Confirmation Unit 122 was released back to the Subcontractor for unrestricted use on January 29, 1997.

5.30 Confirmation Unit 142

Confirmation Unit 142 is located south of CU115, on the western edge of RU9. Confirmation Unit 142 was added to RU9 to confirm soil areas west and south of CU105 and CU115. The COCs identified for CU142 include U-238, Ra-226, and Ra-228. There were no utility corridors located within this CU. Confirmation Unit 142 was released to the PMC on February 12, 1997 by the Subcontractor for confirmation sampling.

The NaI background reading collected for CU142 was 9,800 CPM. The final walkover surveys for this CU were conducted on February 12, 1997. Due to the close proximity of Raffinate Pit 3 (source from a large low-level gamma source), walkover readings were remaining greater than twice background. Therefore, some information soil samples were collected. Results showed that remediation was complete and confirmation samples could be collected.

Confirmation soil samples were collected at 19 designated locations (see Figure A-30, Appendix A). Table 5-30 presents sample totals, and concentration ranges and averages for the preliminary and final analytical results.

No hot spot areas were identified from sample results. No additional soil excavation was required and no deviations to the Sampling Plan occurred at CU142.

Table 5-30 Confirmation Unit 142 Analytical Results Summary

Contaminant	Preliminary Results				Final Results			
	No. of Samples	Range	Average	No. of Samples Above ALARA	No. of Samples	Range	Average	No. of Samples Above ALARA
Radium 226								
(pCi/g)	19	1.5-2.59	2.10	0	19	1.13-1.64	1.44	0
Radium 228								
(pCi/g)	19	0.59-1.62	1.20	0	19	1.11-1.47	1.32	0
Ra226/Ra228								
(pCi/g)	19	2.32-4.09	3.30	0	19	2.32-3.04	2.76	0
Uranium 238								
(pCi/g)	19	1.53-8.84	3.29	0	19	1.36-7.98	3.39	0

Review of the final analytical results supports the preliminary results indicating remedial activities have been completed. The final results meet the cleanup standards as detailed in the *Chemical Plant Area Cleanup Attainment Confirmation Plan* (Ref. 5). After the walkover survey, soil sampling and remediation activities were completed. Disposition Forms were reviewed and signed. Confirmation Unit 142 was released back to the Subcontractor for unrestricted use on February 21, 1997.

6. DATA EVALUATION

Data evaluation was performed on WP-420 final analytical data to determine whether data quality objectives developed for the Weldon Spring Site Remedial Action Project (WSSRAP) were met and to ensure overall data quality results were generated from RU9 remedial activities. Data evaluation was performed in accordance with the *Project Management Contractor Quality Assurance Program* (QAP) (Ref. 6) and the *Environmental Quality Assurance Project Plan* (Ref. 7). The data evaluation process was completed by data verification, data review, data validation, and data management and reduction activities as stated in the *Chemical Plant Area Cleanup Attainment Confirmation Plan* (Ref. 5).

6.1 Data Verification

Data verification was conducted 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. All 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.

6.2 Data Review

Data review was conducted to ensure that the final data were properly identified, analyzed, reported, and met data quality requirements (DQRs). Copies of the data packages were reviewed by the data users. The data were reviewed to check for inconsistencies with the field quality control (QC) samples and with data quality requirements. Final analytical results were also compared to the preliminary analytical results.

A data comparison of quality control samples to DQR goals was also performed to assess the precision, accuracy, and completeness of the data and to identify samples that may require further validation activities. This comparison was conducted in addition to the 10% data validation activities and is inclusive of all analytical results from quality control samples generated from RU9 activities. The tables, including the comparison of quality assurance/quality control (QA/QC) samples to the parent sample, are presented in Appendix G. Tables including the complete quality control comparison are presented in Appendix H. The following text discusses the review of DQRs.

Specific DQRs for the WSSRAP were developed according to U. S. Environmental Protection Agency (EPA) guidance. These site-specific DQRs include precision, accuracy, and

completeness goals for data collection activities. Each of these requirements is discussed in the following paragraphs.

Precision

Precision is a measurement, expressed as a percentage, that represents the repeatability of the result by the analytical system. This measurement is based on the relative percent differences (RPDs) between laboratory duplicates and their respective parent analysis. The level of precision increases as the RPD value approaches 0%. The RPD is calculated using the following formula:

$$RPD = |PA-DU|/((PA+DU)/2))*100$$

where PA = respective parent analysis
DU = duplicate analysis

Similarly, RPD is calculated to evaluate the precision of Secondary Duplicate to Parent, Field Replicate to Parent, and Matrix Spike Duplicate to Matrix Spike.

As the analytical concentration approaches the detection limit for a given parameter, the confidence levels decreases. Thus, the RPD is generally only calculated for those analyses where both the parent and comparison sample analyses are greater than five times the detection limit.

Due to the chemical properties of radionuclides, the calculated RPD has a greater variance compared to that of non-radionuclides. To assist in evaluating the precision in radionuclides, the duplicate error ratio (DER) is also calculated. The level of precision increases as the DER value approaches 0%.

$$DER = |PA-DU|/(2\sigma p_a+2\sigma d_u)$$

where PA = Respective Parent Analysis
DU = Duplicate Analysis
$2\ \sigma p_a$ = Parent Analysis (2 sigma) Uncertainty
$2\ \sigma d_u$ = Duplicate Analysis (2 sigma) Uncertainty

The DQR goals for analytical data are presented in Appendix H, Table H-1. Analytical methods and precision goals are presented by analytical parameter and media for both soil and water.

RPD and DER values have been calculated for the matrix duplicate samples, secondary duplicate samples, field replicate samples, and matrix spike duplicate samples. A complete listing of RPD and DER values is presented in Appendix G, Table G-1. Summary tables for precision have been presented in Appendix H, Tables H-2 through H-5. Each table shows the number of samples completed, number of results greater than the detection limit, range and average for RPD and DER, and a comparison summary of results to the DQR goals. Most RPD and DER results

meet the DQR goals for each parameter listed for each of the four types of quality samples listed above.

Accuracy

Accuracy is a statistical measurement, expressed as a percentage, which represents how close the analytical data are to the "true" values. The measurement is based on the percent recoveries (RECs) associated with the laboratory analytical matrix spikes. The level of accuracy increases as the amount of recovery approaches 100%. The REC is calculated using the following formula:

$$REC = (CONC_{ms} - CONC_p)/SPIKED\ AMOUNT$$

where $CONC_{ms}$ = Concentration of Matrix Spike analysis
$CONC_p$ = Concentration of Parent analysis

Accuracy goals for analytical data are presented in Appendix H, Table H-1. Analytical methods and accuracy goals are presented by analytical parameter and media for both soil and water.

REC values have been calculated for MS samples. A summary table for accuracy is presented in Appendix H, Table H-6. The table shows the number of samples completed, number of results greater than the detection limit, range and average for REC, and a comparison summary of results to the DQR goals. Most REC values met the DQR goals for each parameter sampled.

Completeness

Completeness is the percentage of acceptable data points associated with a group of data, such as those validations requested or addressed in a semiannual validation report. An evaluation to determine the completeness of data will be conducted on WP-420 area data at the completion of all five RUs.

Data evaluation results from all quality control samples associated with RU9 activities indicated that most RPDs, DERs and RECs met the established DQR goals.

6.3 Data Validation

Radiological and chemical analytical data were subject to data review and validation upon receipt from the laboratory. Data validation was performed on 10% of all analytical data generated from the remedial activity at RU9. Additional data were validated by request after review by data review guidelines. Data validation was performed by WSSRAP personnel and was conducted in accordance with the *Chemical Plant Area Cleanup Attainment Confirmation Plan* (Ref. 5). Data that were used as preliminary data but later rejected due to failure to meet the data validation requirements were compared to the final data to ensure a valid final result was documented. Analytical data that were rejected for failure to comply with the data validation requirements are highlighted in the Analytical Data Table presented in Appendix D.

6.4 Data Management and Reduction

Data were reduced by entering and managing RU9 WSSRAP information in a computerized database. A data management process was developed to track samples collected and analyzed throughout the remedial process. Soil/Sediment Sampling Forms (field data sheets) were generated to record all pertinent sample collection information and associated QA/QC sample information. Sample information was transferred from the field data sheets into the computerized databases.

Data generated during remedial activities were entered into a field data tracking database (FST dB). The FST dB information was used to generate analytical request forms entered into an environmental sample tracking database (EST dB). The EST dB was used to print out sample Chain-Of-Custody Forms, which accompanied sample shipments to the laboratory. Preliminary analytical results were entered into a geographic information system database (GIS dB), which was later compared to the final analytical results entered into a wizard database (WIZARD). Databases were also used for analytical review and analytical results comparisons.

Data generated during RU9 remedial activities were evaluated through data verification, review, validation, and data management and reduction. Handling of all samples collected at RU9 was verified according to WSSRAP protocol. Data review activities ensured data generated from RU9 met DQRs and that all data validation discrepancies were resolved. A minimum of 10% of the data was subjected to data validation procedures, and results failing validation requirements were rejected or qualified. Data management and reduction actions computerized analytical results using a database system. Data evaluation activities indicated data generated at RU9 met DQOs specified in the *Project Management Contractor Quality Assurance Program* (Ref. 6), the *Environmental Quality Assurance Project Plan* (Ref. 7), and the *Chemical Plant Area Cleanup Attainment Confirmation Plan* (Ref. 5).

7. SUMMARY OF CLOSURE REPORT FINDINGS

7.1 Work Package Disposition

The total Work Package (WP)-420 area consists of 119 confirmation units (CUs) contained within five remedial units (RUs) (RU6, RU7, RU8, RU9, and RU10). This *RU9 Post Remedial Action Report* is the fourth of five such reports for the RUs and includes Confirmation Units 94 through 122 and CU142. Detailed information regarding the remedial activities for each CU located within RU9 is presented in the Appendixes.

7.2 Confirmation Unit Dispositions

Upon completion of remedial activities, preliminary results were recorded on CU Disposition Forms. Disposition Forms were reviewed and signed by selected project personnel. Based on the preliminary results, each CU was released for unrestricted use. A CU was released when all contaminants of concern (COC) concentrations located within a CU were in compliance with cleanup standards. The cleanup standards ensure that RU9 remedial activities are conducted in compliance with the Record of Decision (ROD) (Ref. 3). Once final analytical data were received, the data were compared to preliminary analytical data to ensure COC concentrations were in compliance with the as low as reasonably achievable (ALARA) process.

All 30 CUs located within RU9 were unconditionally released. The boundaries of two CUs, CU94 and CU116, were revised and surveyed. One CU, CU142, was added to RU9.

7.3 Permanent Partial Confirmation Dispositions

A permanent partial confirmation disposition is the release of a portion of a CU area to facilitate the permanent closure of an area. The remainder of the CU, which was not included in the permanent partial confirmation disposition, is transferred to another Work Package order. There were no permanent partial confirmation dispositions associated with RU9.

Portions of two CUs, CU94 and CU116, were eliminated from WP-420 remedial activities. The CU boundaries were relocated and resurveyed. An inter-office correspondence (IOC) detailing the decision was issued. These remaining areas located in CU94 and CU116 will be addressed under a future Work Plan at a later date. Additionally, CU142 was added to RU9 WP-420 Work Package to confirm soils located west and south of CU105 and CU115.

7.4 Summary of Chemical Plant Area Remedial Unit 9 Results

The following table provides a summary of the total number of samples collected and analyzed for each contaminant during remedial activities at the chemical plant area RU9. The number of detections that exceed ALARA and minimum, maximum, and average concentrations are also provided for each contaminant. The table was generated using data sets compiled from all samples that represented soils left in place. Data from all other samples, including remediated hot spot areas, are presented in Appendix D.

Table 7-1 Summary Totals for Remedial Unit 9

CONTAMINANT	NUMBER OF SAMPLES	MINIMUM CONCENTRATION	MAXIMUM CONCENTRATION	AVERAGE CONCENTRATION	SAMPLES GREATER THAN ALARA
Arsenic (mg/kg)	50	0.48	13.2	4.74	0
Chromium (mg/kg)	142	4.6	39.1	15.69	0
Lead (mg/kg)	134	2.4	116	14.91	0
PAH (mg/kg)	33	0	0.65	0.05	1
PCB (mg/kg)	183	0	4.9	0.06	4
Ra-226 (pCi/g)	196	0.4	1.95	1.25	0
Ra-228 (pCi/g)	196	0.38	2.26	1.34	0
Combined Radium	196	1.38	3.96	2.58	0
Th-230 (pCi/g)	167	0.68	1.60	0.95	0
Th-232 (pCi/g)	196	0.38	2.26	1.34	0
Toluene (mg/kg)	1	0	0	0	0
TNT (mg/kg)	7	0.004	34.00	8.94	1
U-238 (pCi/g)	649	1.23	32.5	2.6	1
Total	1941				7

Analytical results generated from remedial activities at RU9 indicate the average concentration of each COC over the entire RU9 area is below the ALARA goal. The RU9 average COC concentration for all COCs is below the cleanup criteria.

For each of the 30 CUs located within RU9, COC averages were also calculated and the conclusions are as follows. Although some individual sample concentrations are above the ALARA goals, the average COC concentrations for each of the 30 CUs, except TNT, are below ALARA. The average TNT concentration was above the ALARA goal at one CU, CU106. Based on the ALARA committee decision, the CU was unconditionally released. The average TNT concentration for all 30 CUs located in RU9 is below the cleanup criteria. Additionally, for the total number of TNT samples collected, more than 50% TNT concentrations were below the ALARA goal.

7.5 Summary of Chemical Plant Confirmation Results

To meet the requirements of the *Record of Decision* (Ref. 3), more than 50% of the results for each parameter must be less than the as low as reasonably achievable (ALARA) goal. Table 7-2 summarizes the cumulative results to date. This table includes results from WP-399, WP-420 (RU6/RU7/RU8/RU9), and VP9.

Table 7-2 Summary Totals for Confirmation[a]

CONTAMINANT	NUMBER OF SAMPLES	MINIMUM CONCENTRATION	MAXIMUM CONCENTRATION	AVERAGE CONCENTRATION	SAMPLES GREATER THAN ALARA
Arsenic (mg/kg)	756	0.48	34.10	7.25	0
Chromium (mg/kg)	839	4.60	41.60	16.53	0
Lead (mg/kg)	944	2.40	817.00	16.60	2
PAH (mg/kg)	154	0.00	2.89	0.23	21
PCB (mg/kg)	1067	0.00	6.00	0.05	14
Ra-226 (pCi/g)	998	0.37	2.24	1.34	0
Ra-228 (pCi/g)	1007	0.30	6.60	1.28	1
Combined Radium	N/A	0.96	8.84	2.60	2
Th-230 (pCi/g)	1078	0.09	23.10	1.51	3
Th-232 (pCi/g)	1007	0.30	6.60	1.28	1
Thallium (mg/kg)	165	0.12	2.20	0.61	0
TNT (mg/kg)	7	0.004	34.00	8.94	1
Toluene (mg/kg)	4	0.00	3.40	0.85	0
U-238 (pCi/g)	2400	0.39	228.00	4.29	32

[a] This table contains summary results from confirmation sampling to date, including WP-399, WP-461, and WP-420 (RU6, RU7, RU8, and RU9).

7.6 Comparison of Standard Deviations

This section presents a comparison of the estimated standard deviations calculated following EPA guidance and presented in the *Chemical Plant Area Cleanup Attainment Confirmation Plan*, (Ref. 5) with those deviations calculated using confirmation results. Since there were no existing remediation data available to calculate the standard deviation (sigma), the *Attainment Plan* estimated sigma using the range (assuming the average concentration remaining after remediation would not exceed cleanup criteria) divided by six. To determine whether the specified level of precision was obtained, a comparison was made between the estimated sigma and the calculated sigma using the RU9 results.

The comparison indicates that the specified level of precision (a false positive = 0.05 and a false negative = 0.20) has been obtained. All of the calculated sigmas are equal to or less than the estimated sigmas, indicating that the minimum specified precision was met in all RUs. Table 7-3 presents the estimated sigma and calculated sigmas for each contaminant of concern (COC).

Table 7-3 Comparison of Standard Deviations

COC	ESTIMATED [a]	RU9 SIGMA [b]	CUMULATIVE SIGMA [c]
Arsenic	12.5	2.55	3.47
Chromium	18.3	4.93	4.91
Lead	75	12.00	30.98
PAHs	0.93	0.15	0.53
PCBs	1.33	0.39	0.34
TNT	23.3	12.16	12.16
Ra-226	1.03	0.22	0.21
Ra-228	1.03	0.27	0.34
Thallium	3.3	N/A	0.51
Th-230	1.03	0.17	1.03
Th-232	1.03	0.27	0.34
U-238	20.0	2.55	10.83

(a) Sigma estimated in the *Attainment Plan* (Ref. 5).
(b) Sigma calculated using only the WP420-RU9 confirmation results.
(c) Sigma calculated using cumulative confirmation results (WP-399, WP-461, WP420RU6, WP420RU7, WP420RU8, and WP420RU9).

8. REFERENCES

1. MK-Ferguson Company and Jacobs Engineering Group. *Remedial Investigation for the Chemical Plant Area of the Weldon Spring Site*, Rev. 0, 2 Vols. DOE/OR/21548-074. Prepared for the U.S. Department of Energy, Oak Ridge Field Office, Weldon Spring Site Remedial Action Project. St. Charles, MO. November 1992.

2. MK-Ferguson Company and Jacobs Engineering Group. *Supplementary Soil Sampling Plan*, Rev. 0. DOE/OR/21548-408. Prepared for the U.S. Department of Energy, Oak Ridge Field Office. St. Charles, MO. August 1993.

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4. MK-Ferguson and Jacobs Engineering Group. *Confirmation Sampling Plan Details For The Chemical Plant Area Foundations and Contaminated Soils Removal (WP-420).* Rev. 1. DOE/OR/21548-590. Prepared for U.S. Department of Energy, Oak Ridge Operations Office, St. Charles, MO. October, 1996.

5. MK-Ferguson Company and Jacobs Engineering Group. *Chemical Plant Area Cleanup Attainment Confirmation Plan.* Rev. 3. DOE/OR/21548-491. Prepared for the U.S. Department of Energy, Oak Ridge Operations Office. St. Charles, MO. December 1995.

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7. MK-Ferguson Company and Jacobs Engineering Group. *Environmental Quality Assurance Project Plan.* Rev. 2. DOE/OR/21548-352. Prepared for the U.S. Department of Energy, Oak Ridge Operations Office. St. Charles, MO. May 1996.

8. U.S. Department of Energy. Chemical Plant Area Foundations and Contaminated Soil Removal - WP-420. Construction Drawing No. 384OE-CO-5771; MKES Document No. 3840-C:EN -0-05-3218-00. June 5, 1995

9. Oak Ridge Institute for Science and Education. *Final Verification Survey Plan for the Chemical Plant Area Weldon Spring Site Remedial Action Project, Weldon Spring, Missouri.* Prepared by the Environmental Survey and Site Assessment Program, Energy/Environment Systems Division, for the U.S. Department of Energy. Weldon Spring, Missouri. December 7, 1995.

8.1 Procedures

ES&H 1.1.4 *Logbook Procedure*
ES&H 1.2.1 *Soil Remediation Disposition Process*
ES&H 2.3.8 *Contamination Survey*
ES&H 2.4.1 *Calibration and Use of Portable Radiological Survey Instruments*
ES&H 2.5.1 *Radiological Soil Sampling*
ES&H 2.5.2 *In Situ Radiation Measurements*
ES&H 2.5.5 *Sample Preparation Procedure for Radiological Soil Samples*
ES&H 2.5.8 *Th-230 Determinations in Soils by the UNC Method*
ES&H 2.6.9 *Instructions for Calibration and Operation of the High Purity* Germanium Detector
ES&H 4.1.3 *Sample Equipment Determination*
ES&H 4.1.4 *QC Samples for Aqueous and Solid Matrices*
ES&H 4.4.1 *Numbering System for Environmental Samples*
ES&H 4.4.5 *Soil/Sediment Sampling*
ES&H 4.9.1 *Environmental Monitoring Data Verification*
ES&H 4.9.2 *Environmental Monitoring Data Validation*

8.2 Instructions

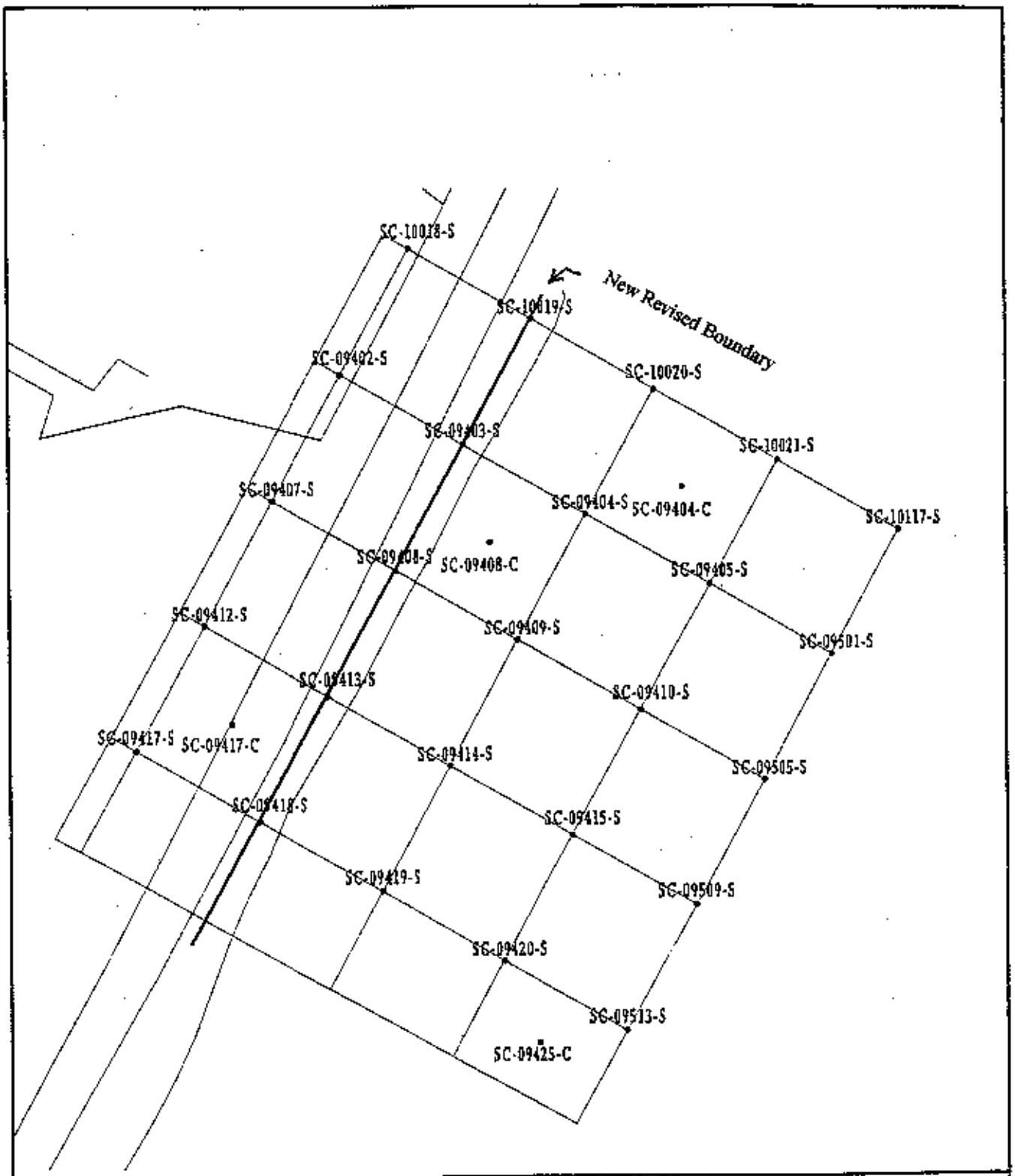
ES&H 150 *Use of Ludlum Model 44-10 (2x2) and 44-2 (1x1) NaI Detector*
ES&H 203 *Use of On-Site Radiological Laboratory*

8.3 Acronyms

AEC	Atomic Energy Commission
ALARA	as low as reasonably achievable
COC	contaminant of concern
CPM	counts per minute
CU	Confirmation Unit
dB	database
DER	duplicate error ratio
DNT	dinitrotoluene
DOE	Department of Energy
DQO	Data Quality Objectives
DQR	Data Quality Requirements
EPA	Environmental Protection Agency
EQAPjP	Environmental Quality Assurance Project Plan
ES&H	Environmental Safety and Health
EST	environmental sample tracking
FST	field sample tracking
GIS	Geographical Information System

ha	hectare
IOC	interoffice correspondence
km	kilometers
m	meter
NPL	National Priorities List
PAHs	polynuclear aromatic hydrocarbons
PCBs	polychlorinated biphenyls
PMC	Project Management Contractor
QA	quality assurance
QAP	Quality Assurance Plan
QC	quality control
Ra-226	Radium-226
Ra-228	Radium-228
REC	percent recovery
ROD	Record of Decision
RPD	relative percent difference
RU	remedial unit
SOP	standard operating procedure
Th-230	Thorium-230
Th-232	Thorium-232
TNT	trinitrotoluene
U-238	Uranium-238
WIZARD	Wizard database
WP	work package
WSSRAP	Weldon Spring Site Remedial Action Project

APPENDIX A
Sample Location Maps



5 2.5 0 METERS

10 5 0 FEE

Sample Locations in Remedial Unit RU009
Confirmation Unit CU094

Figure A-1

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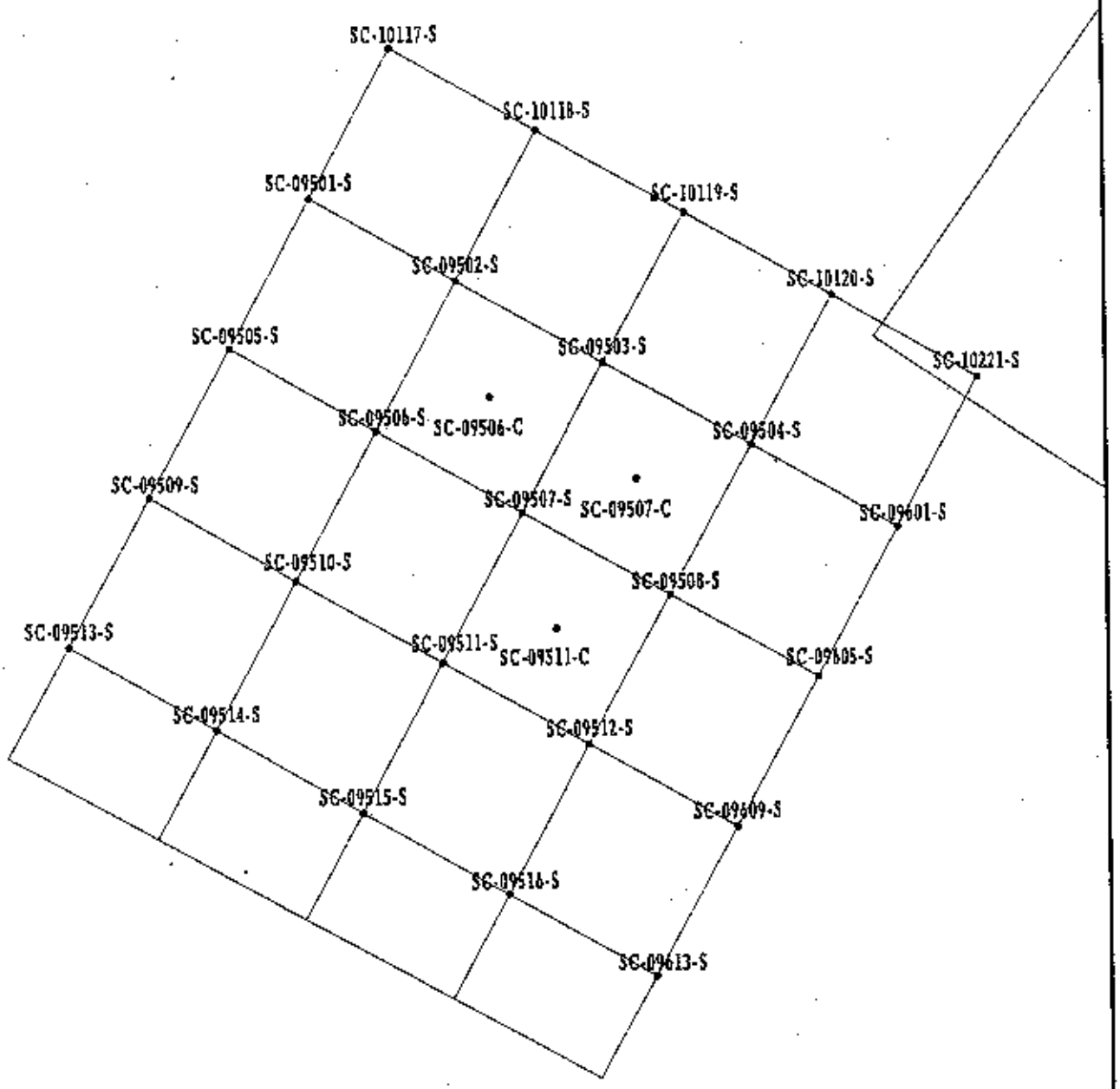

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Sample Locations in Remedial Unit RU009
Confirmation Unit CU095

Figure A-2

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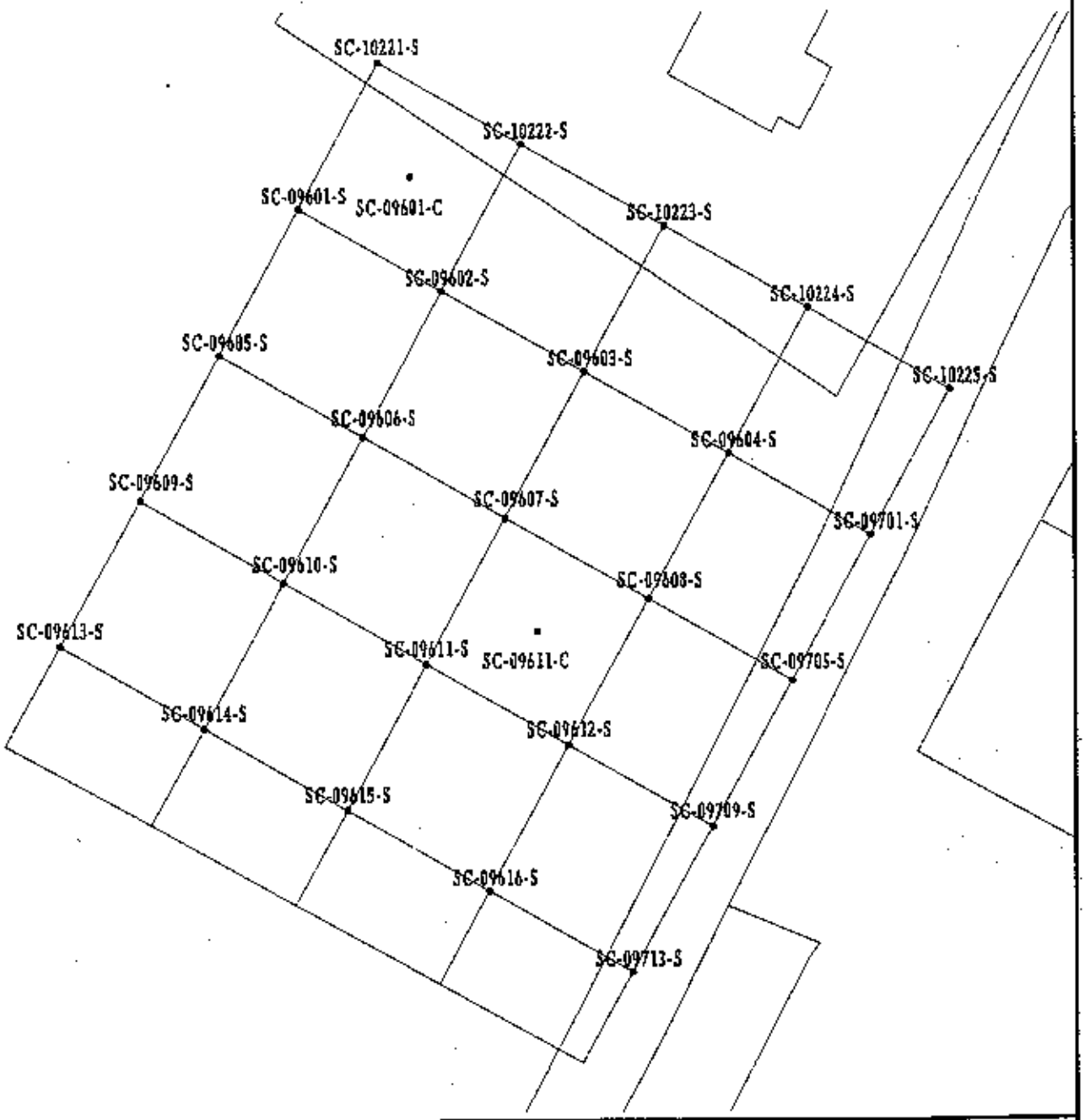

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10 5 0 FEE

Sample Locations in Remedial Unit RU009
Confirmation Unit CU096

Figure A-3

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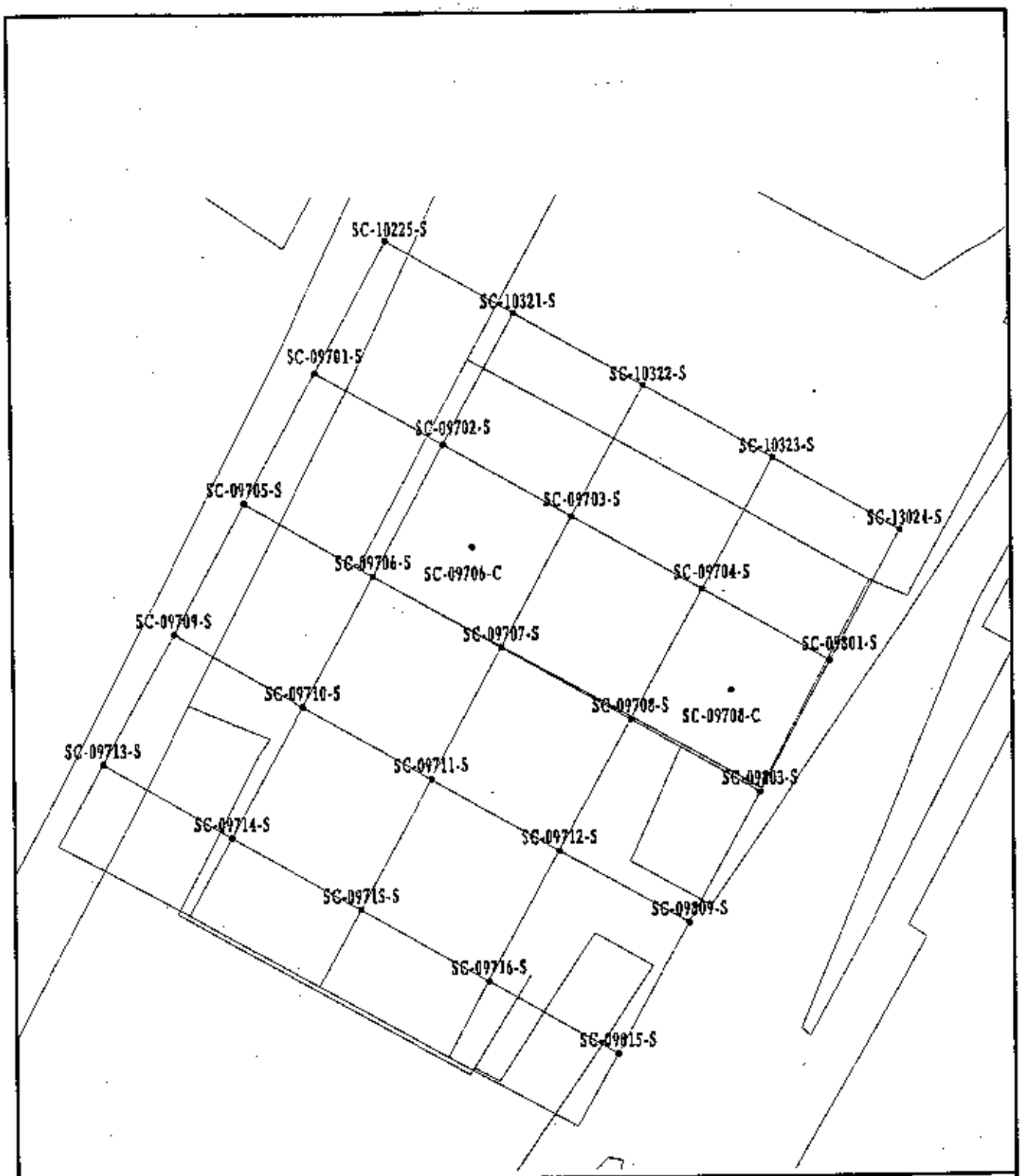

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Sample Locations in Remedial Unit RU009
Confirmation Unit CU097

Figure A-4

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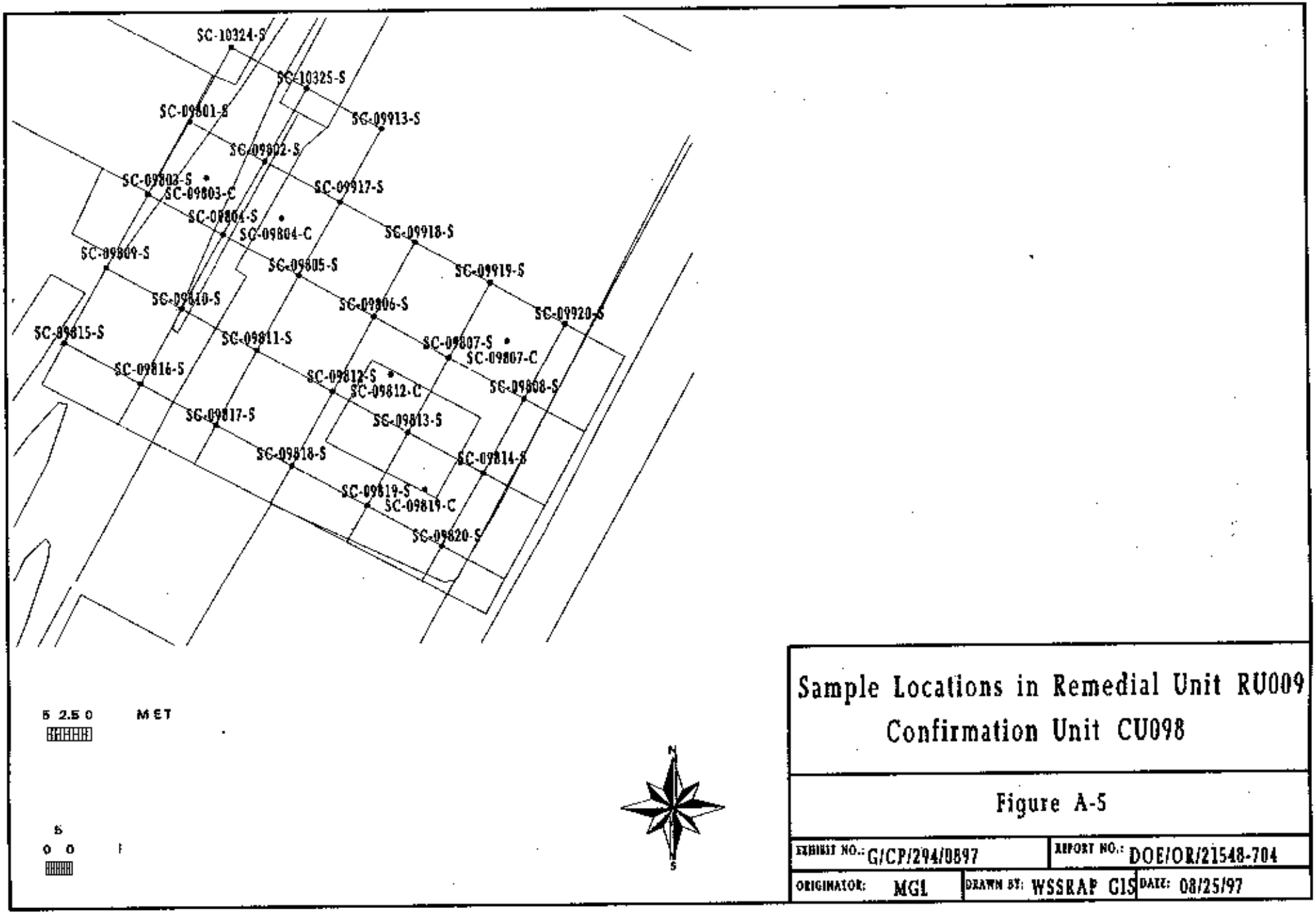

Sample Locations in Remedial Unit RU009
Confirmation Unit CU098

Figure A-5

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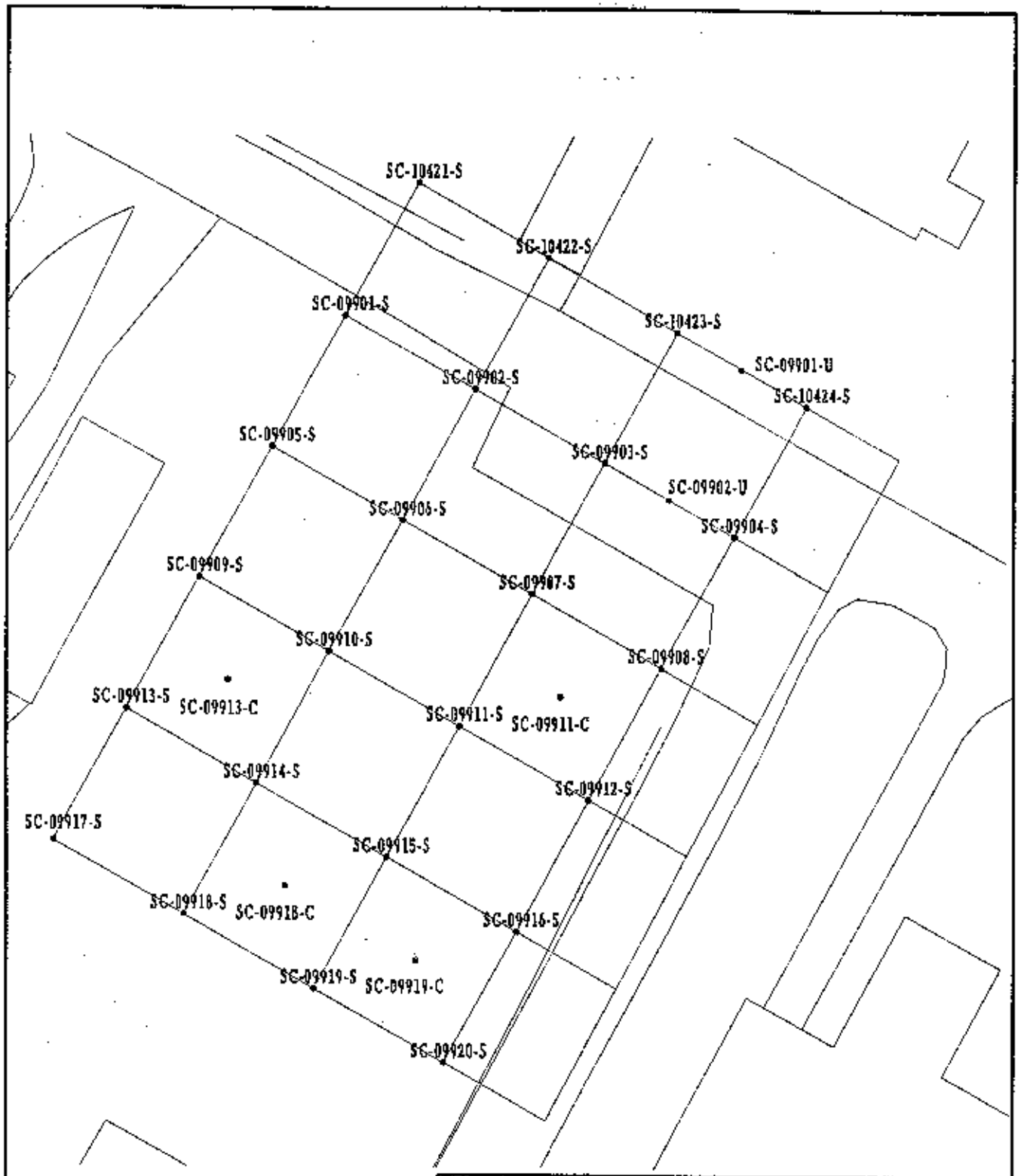

10 5 0 METERS

30 15 0 FEET

Sample Locations in Remedial Unit RU009
Confirmation Unit CU099

Figure A-6

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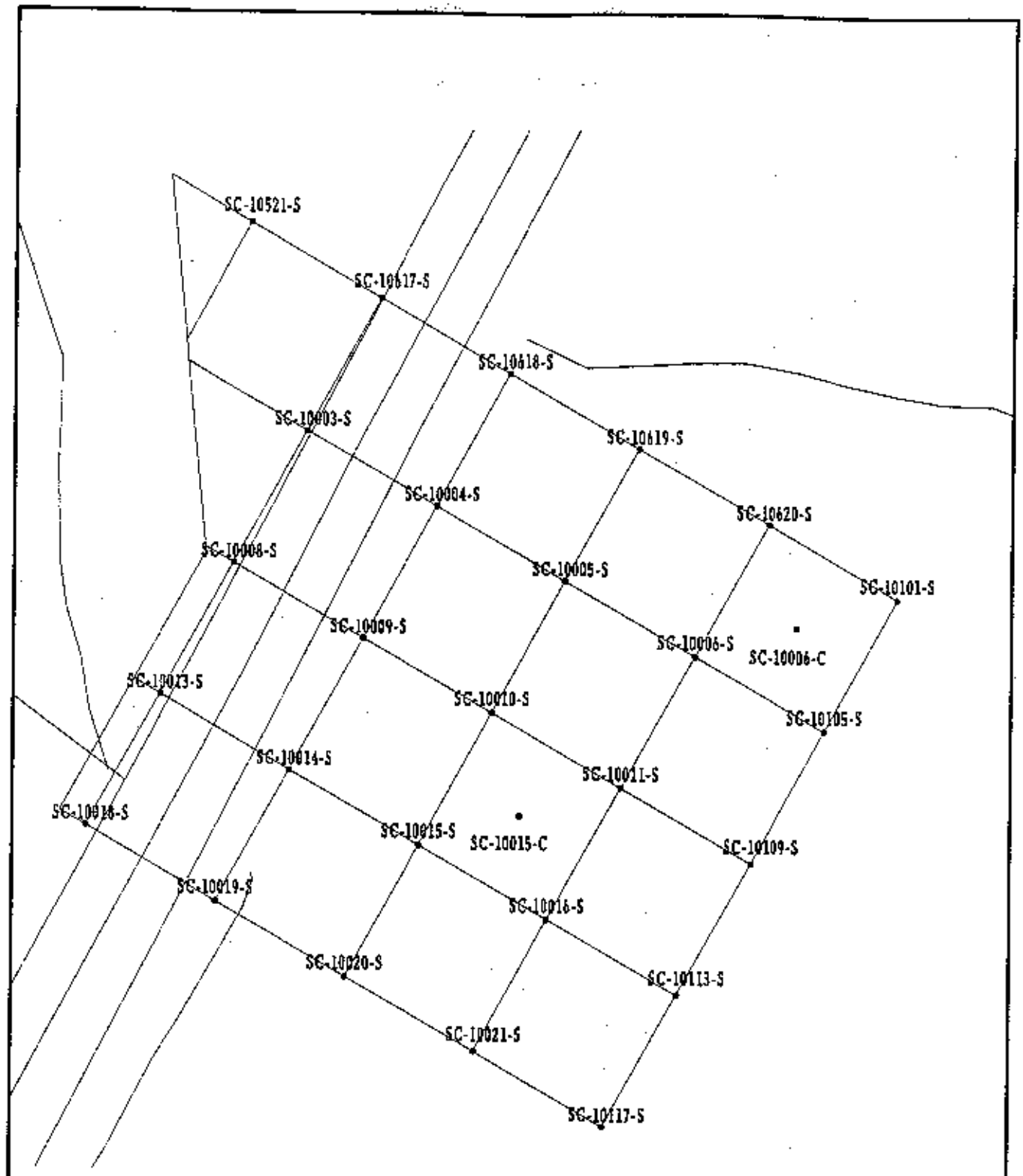

5 2.5 0 METERS

10 5 0 FEE

Sample Locations in Remedial Unit RU009
Confirmation Unit CU100

Figure A-7

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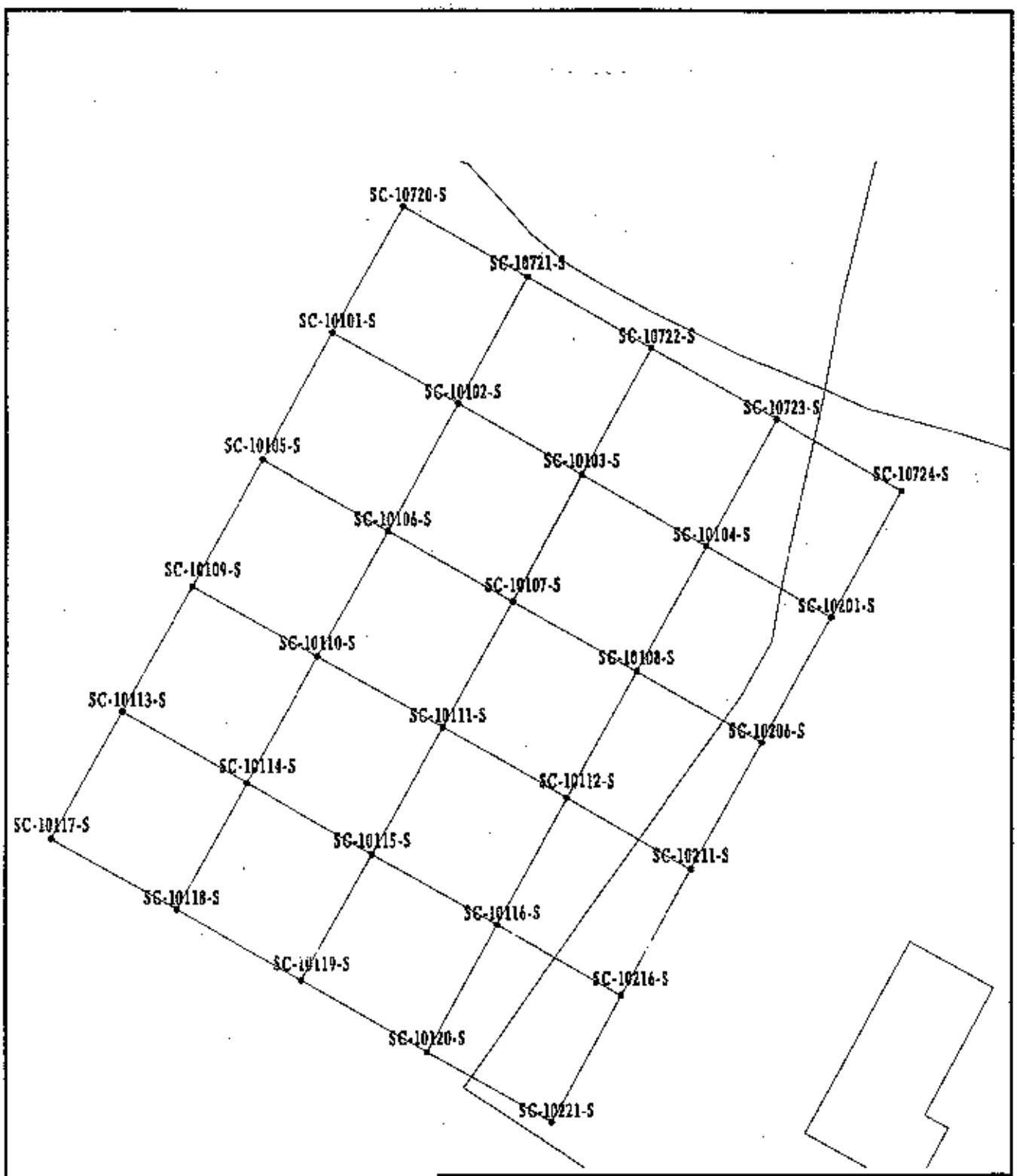

5 2.5 0 METERS

10 5 0 FEE

Sample Locations in Remedial Unit RU009 Confirmation Unit CU101

Figure A-8

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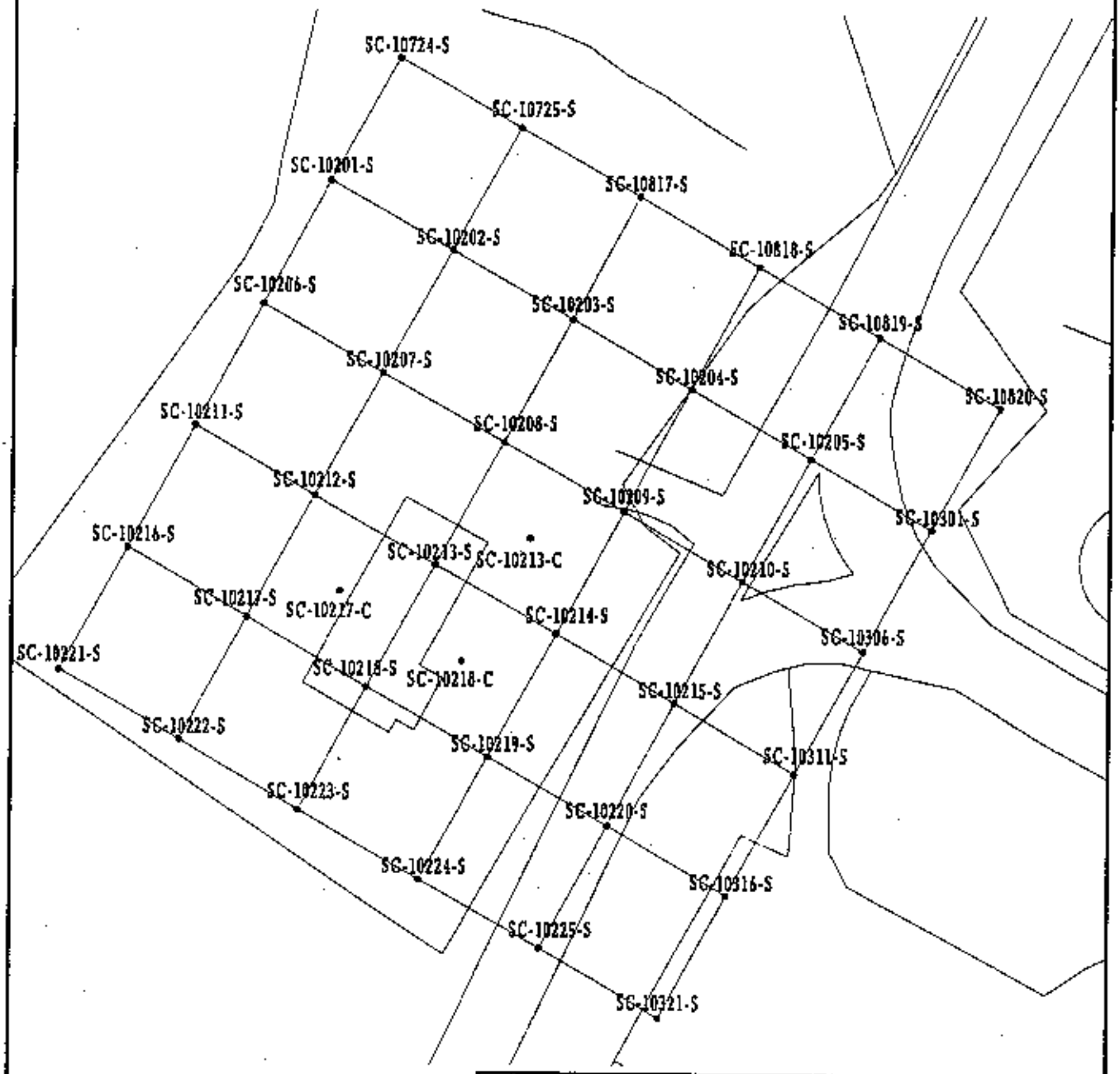

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Sample Locations in Remedial Unit RU009
Confirmation Unit CU102

Figure A-9

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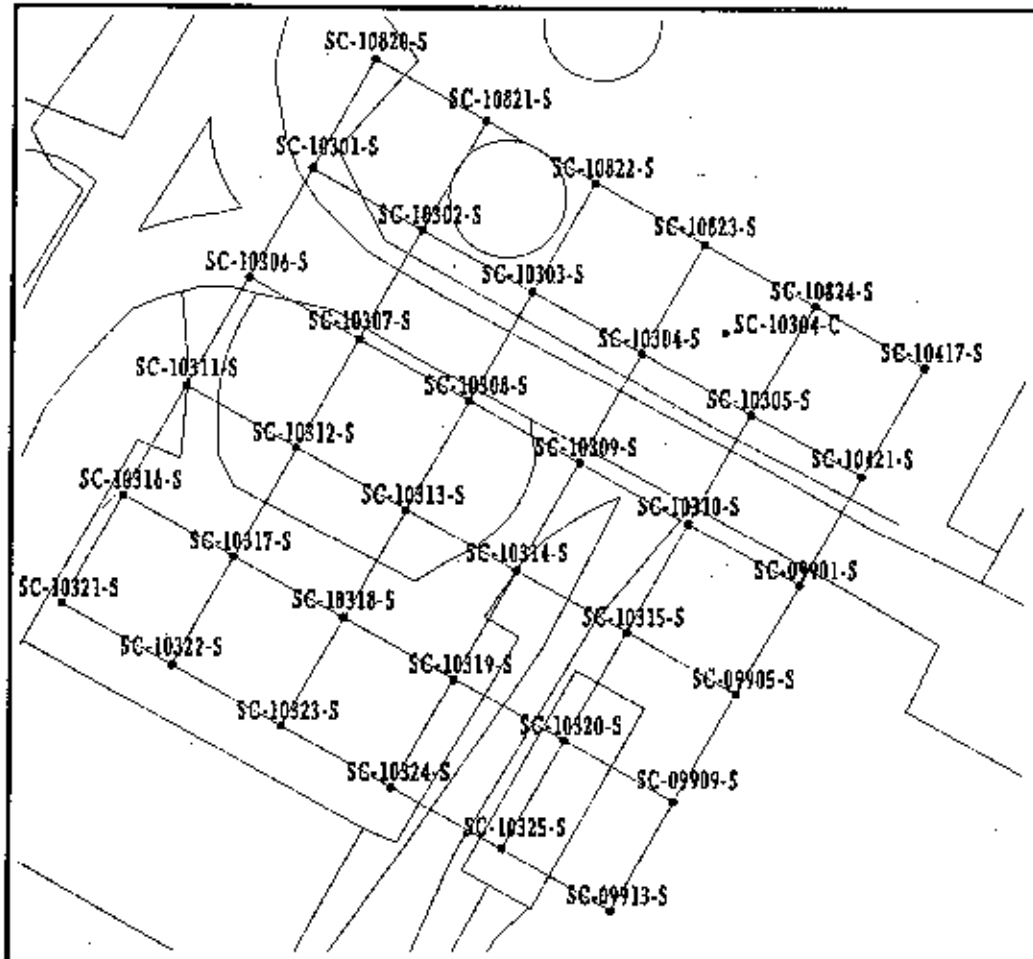

10 5 0 METERS

30 15 0 FEET

Sample Locations in Remedial Unit RU009
Confirmation Unit CU103

Figure A-10

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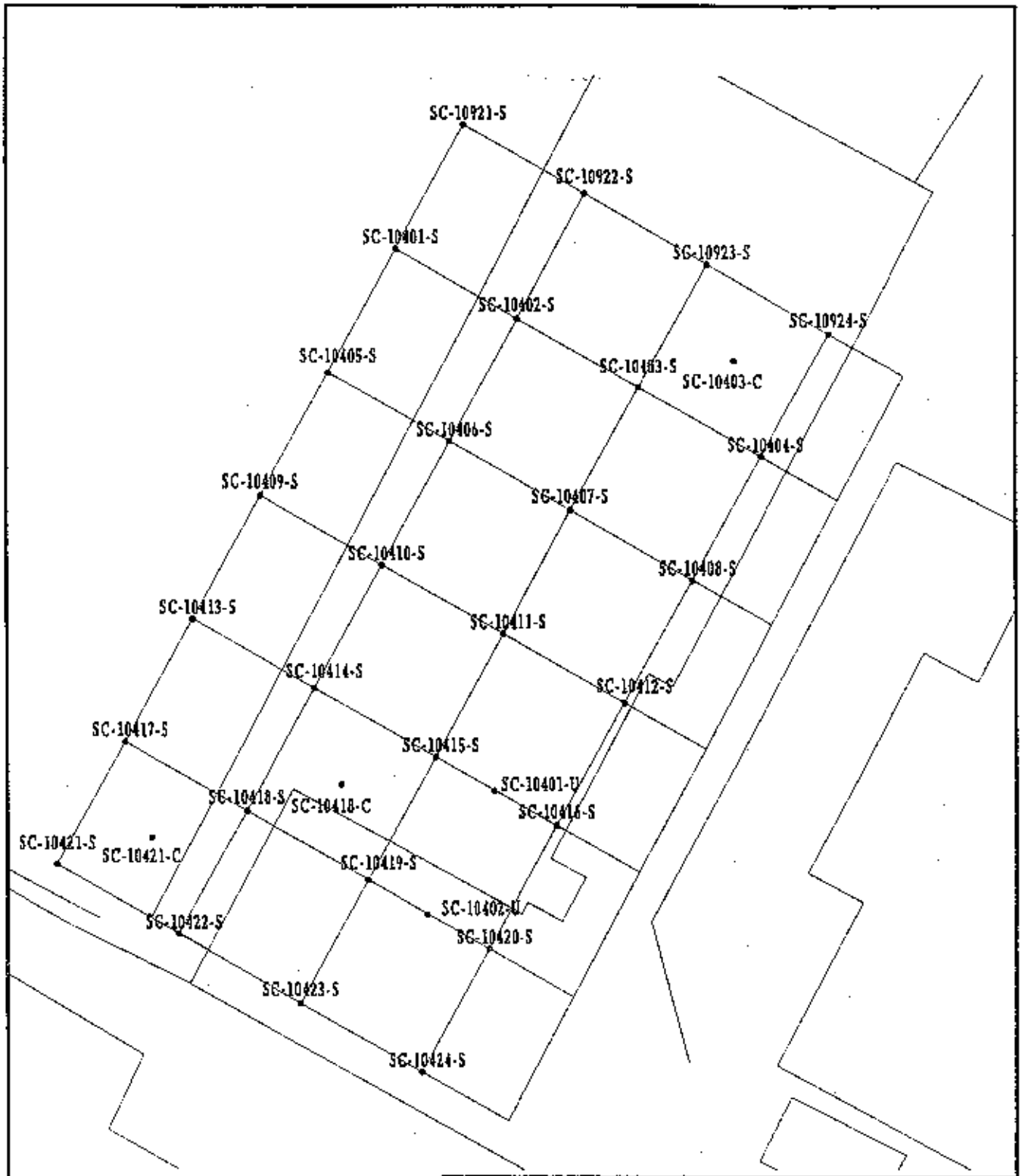

10 5 0 METERS

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Sample Locations in Remedial Unit RU009 Confirmation Unit CU104

Figure A-11

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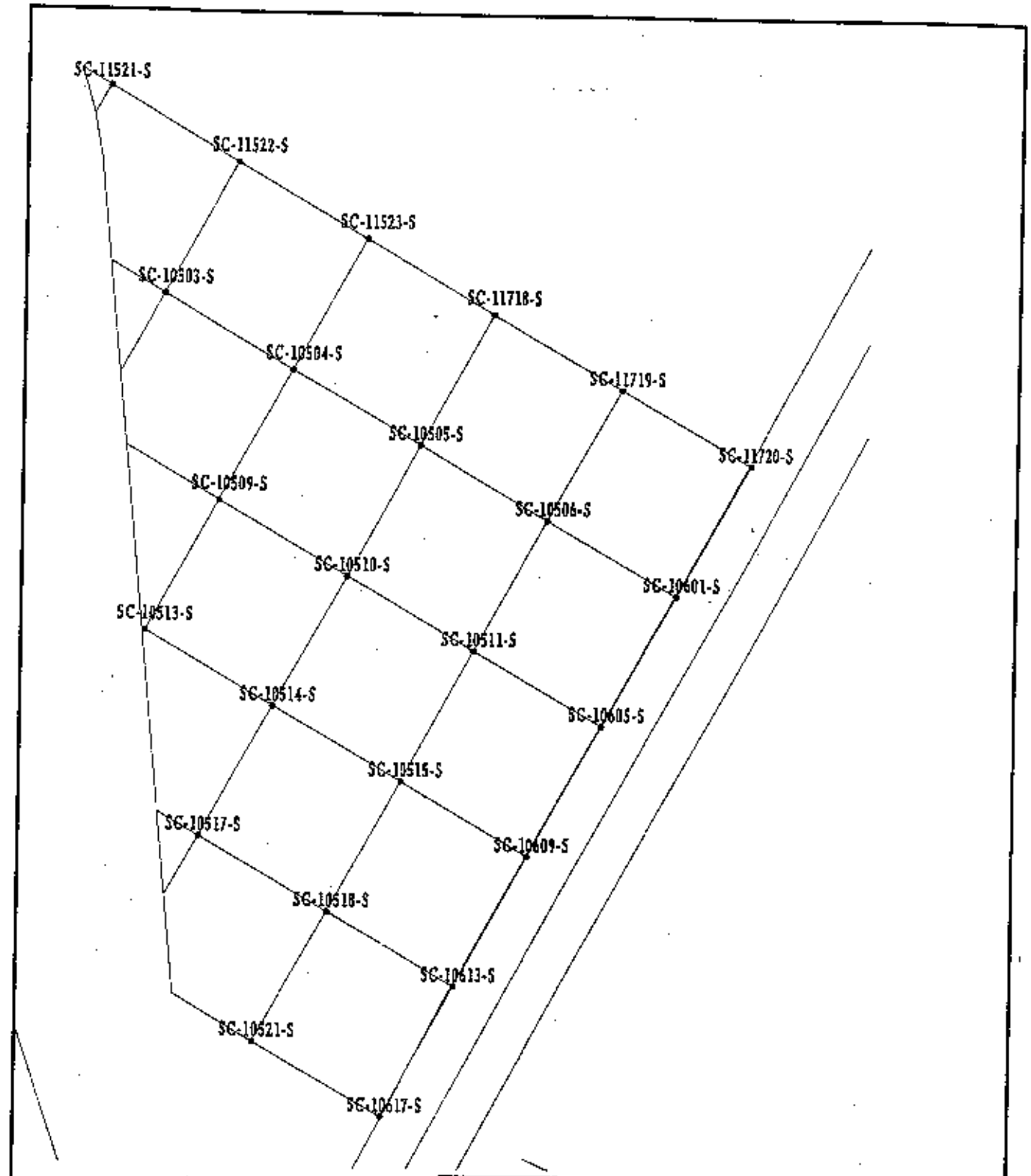

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Sample Locations in Remedial Unit RU009
Confirmation Unit CU105

Figure A-12

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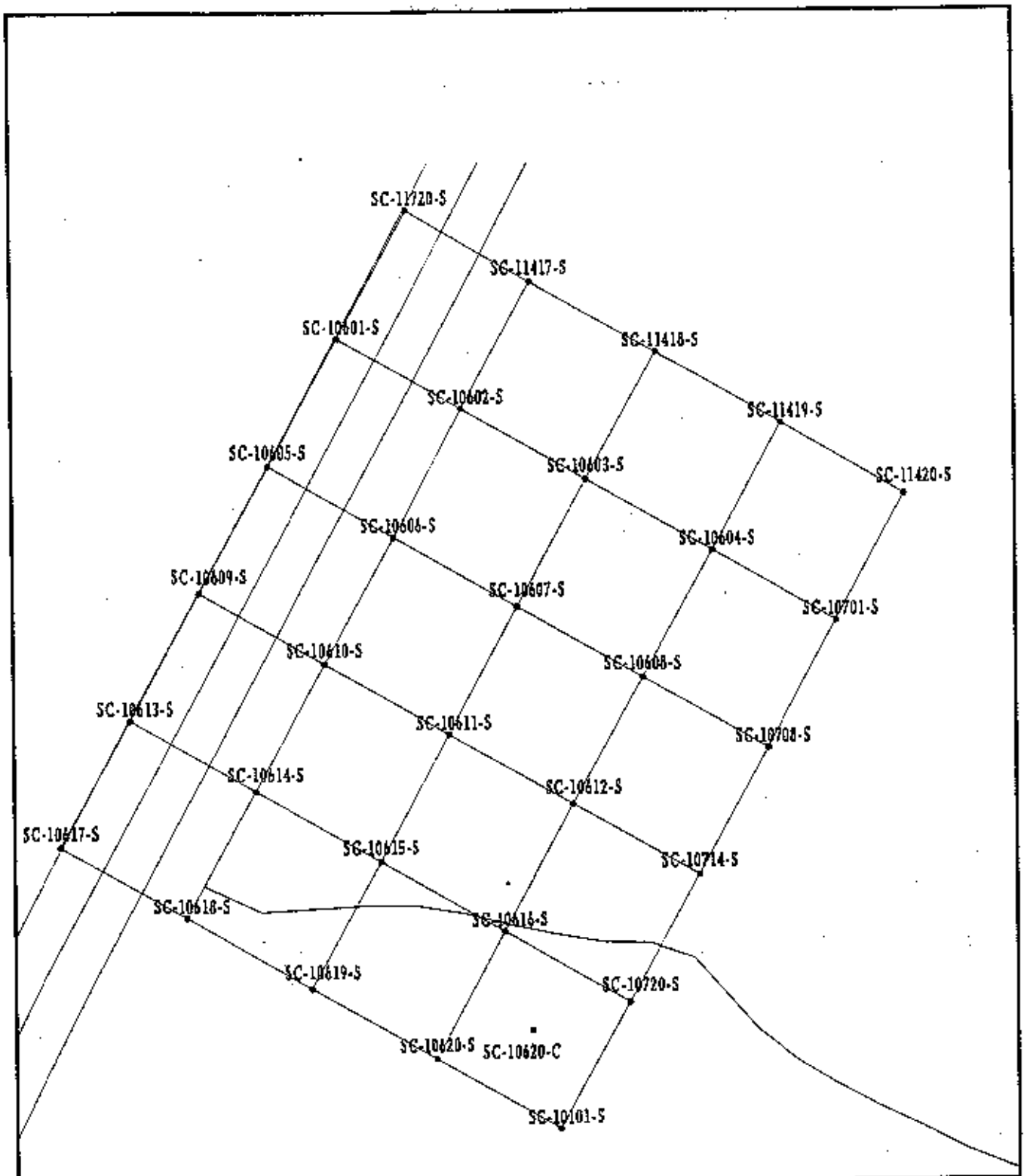

5 2.5 0 METERS

10 5 0 FEE

Sample Locations in Remedial Unit RU009 Confirmation Unit CU106

Figure A-13

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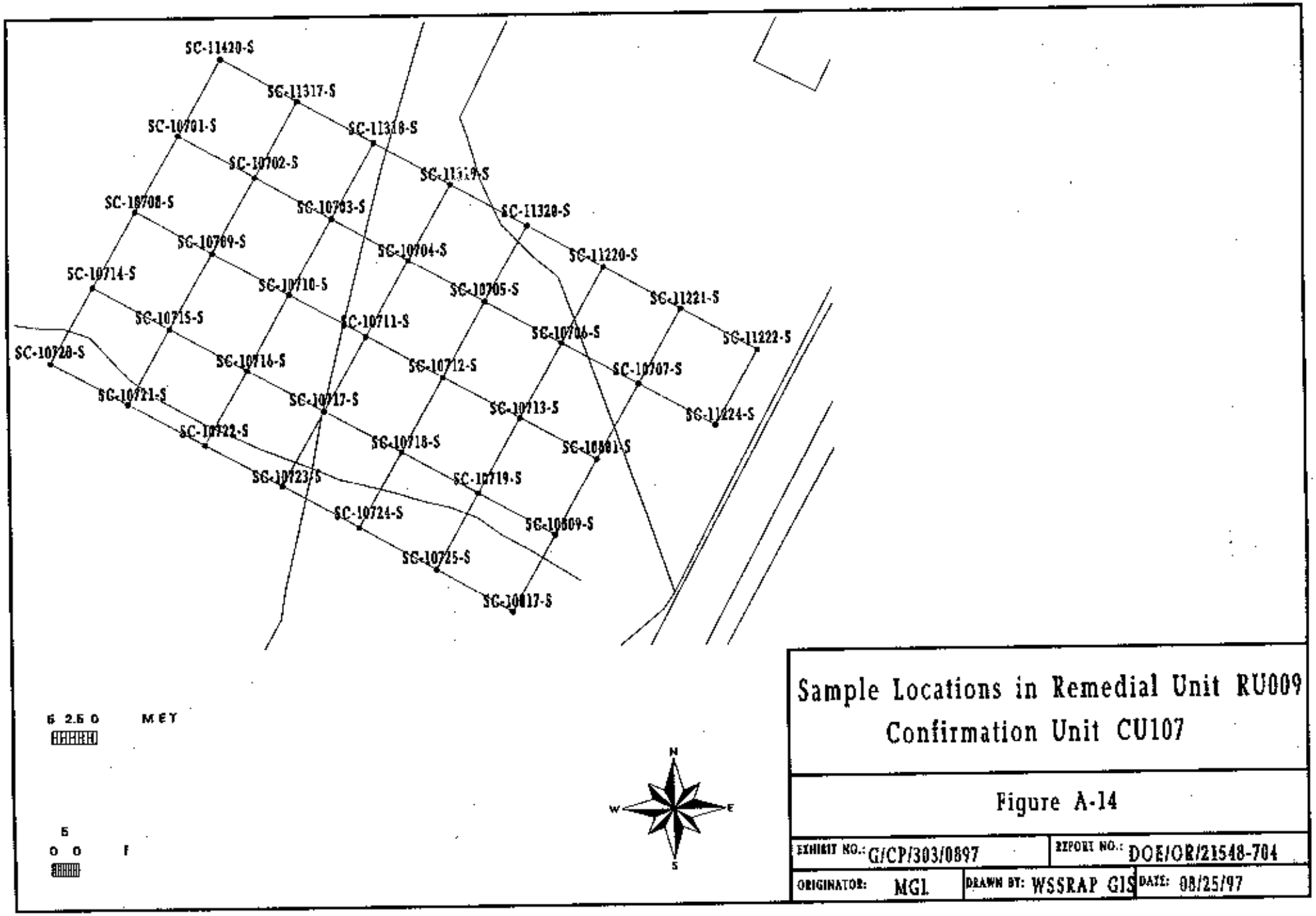

Sample Locations in Remedial Unit RU009
Confirmation Unit CU107

Figure A-14

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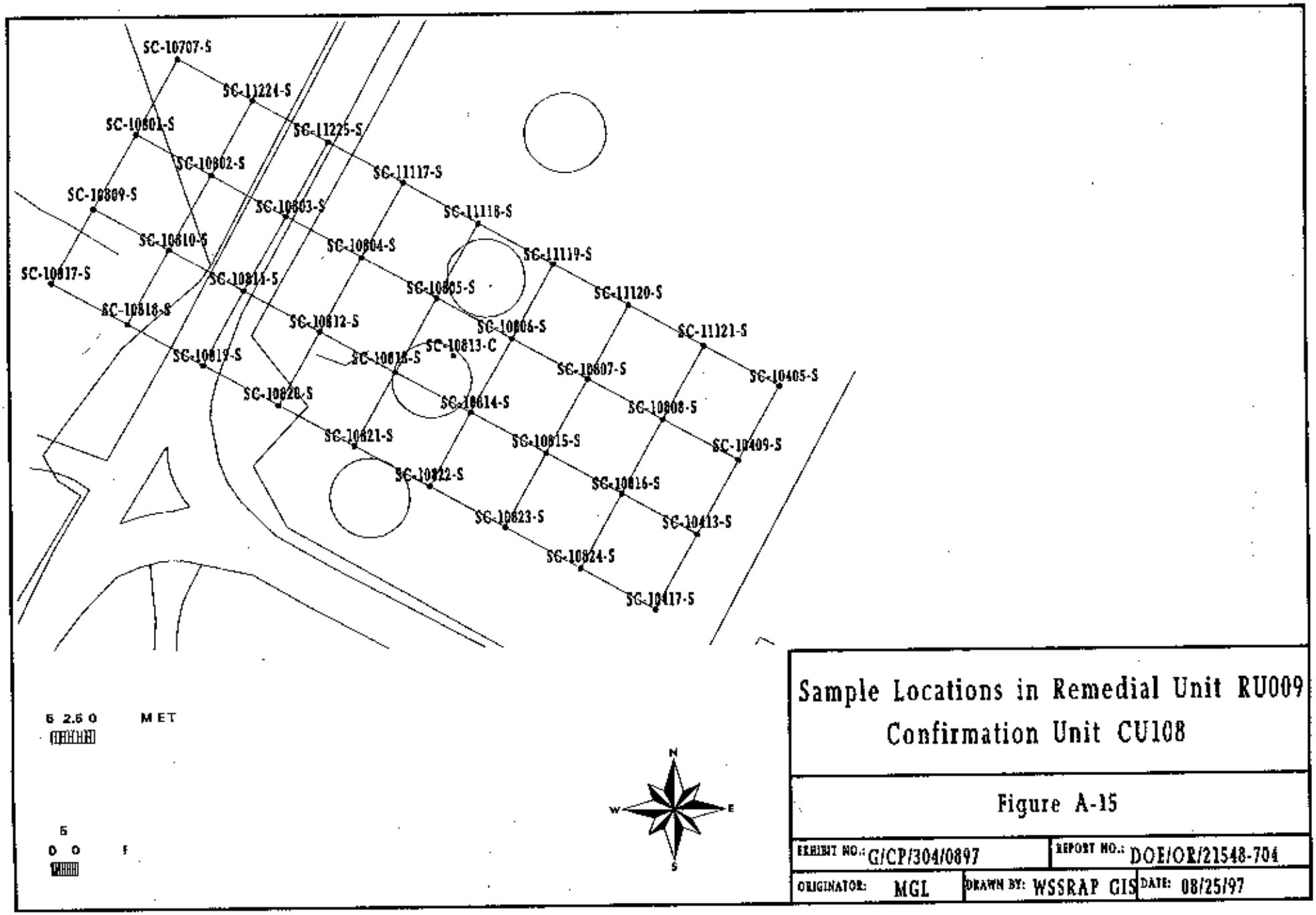

Sample Locations in Remedial Unit RU009
Confirmation Unit CU108

Figure A-15

EXHIBIT NO.: G/CP/304/0897	REPORT NO.: DOE/OR/21548-704	
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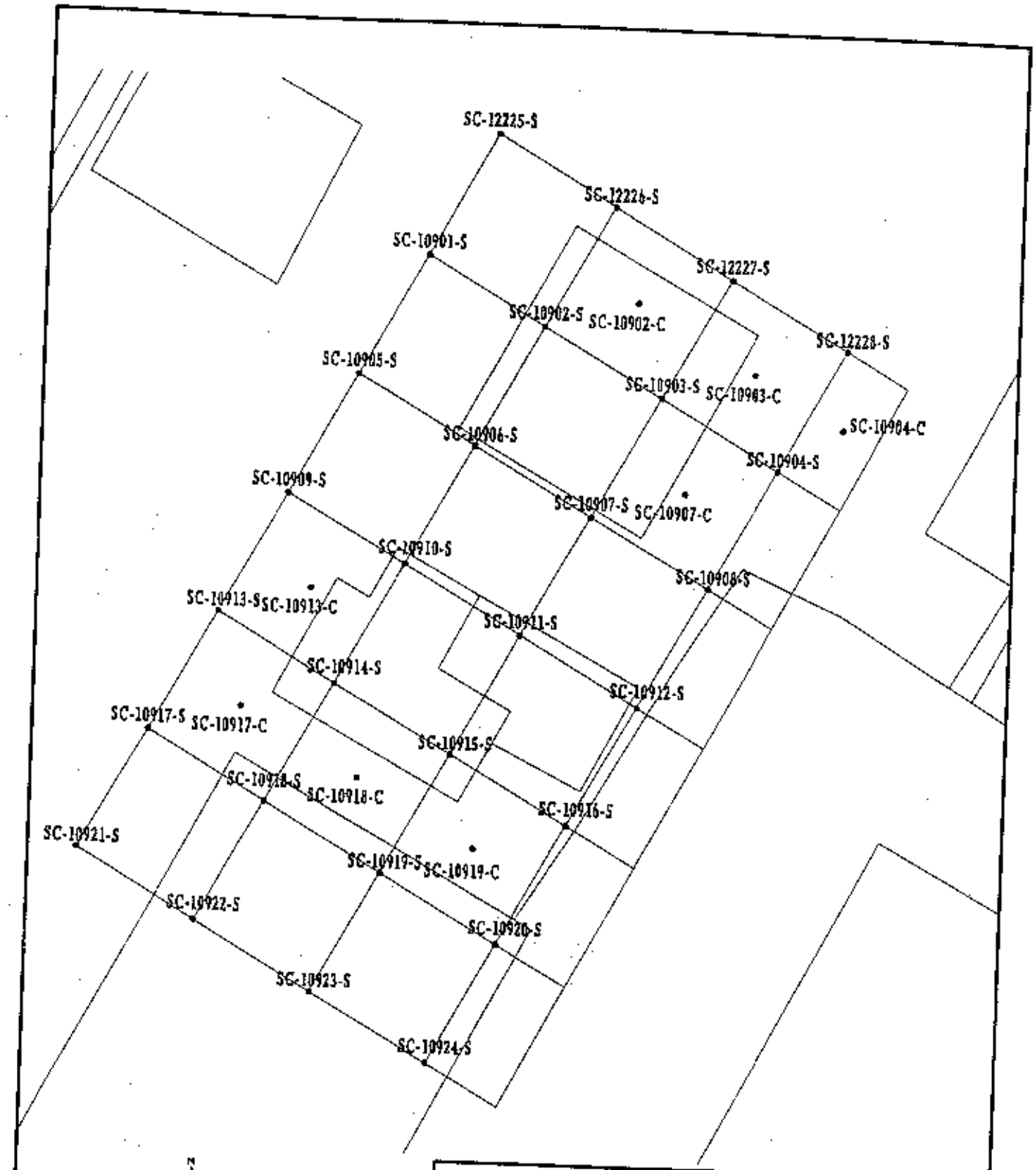

5 2.5 0 METERS

10 5 0 FEE

Sample Locations in Remedial Unit RU009
Confirmation Unit CU109

Figure A-16

EXHIBIT NO.: G/CP/305/0897		REPORT NO.: DOE/OR/21548-704	
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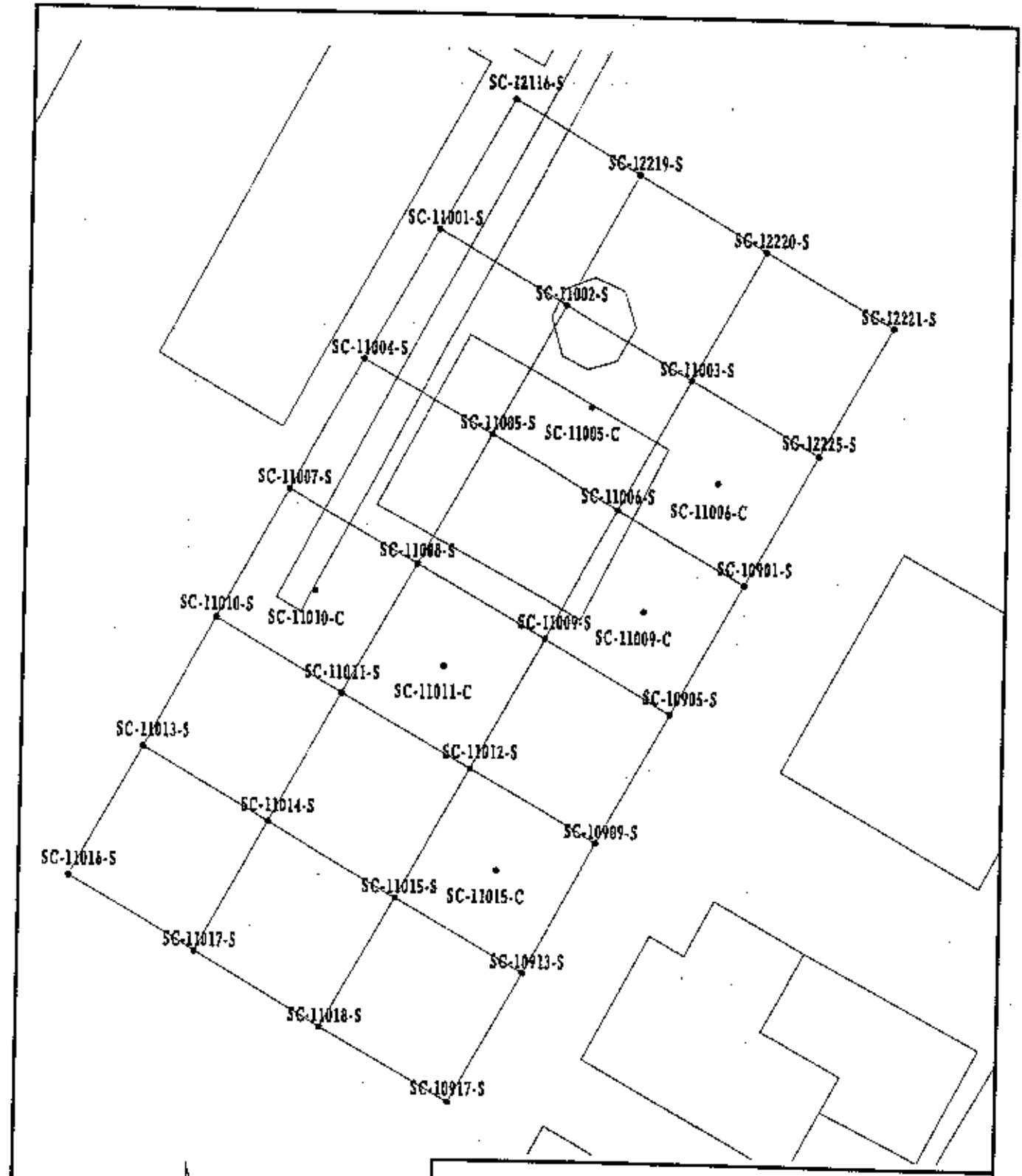

5 2.5 0 METERS

10 5 0 FEET

Sample Locations in Remedial Unit RU009 Confirmation Unit CU110

Figure A-17

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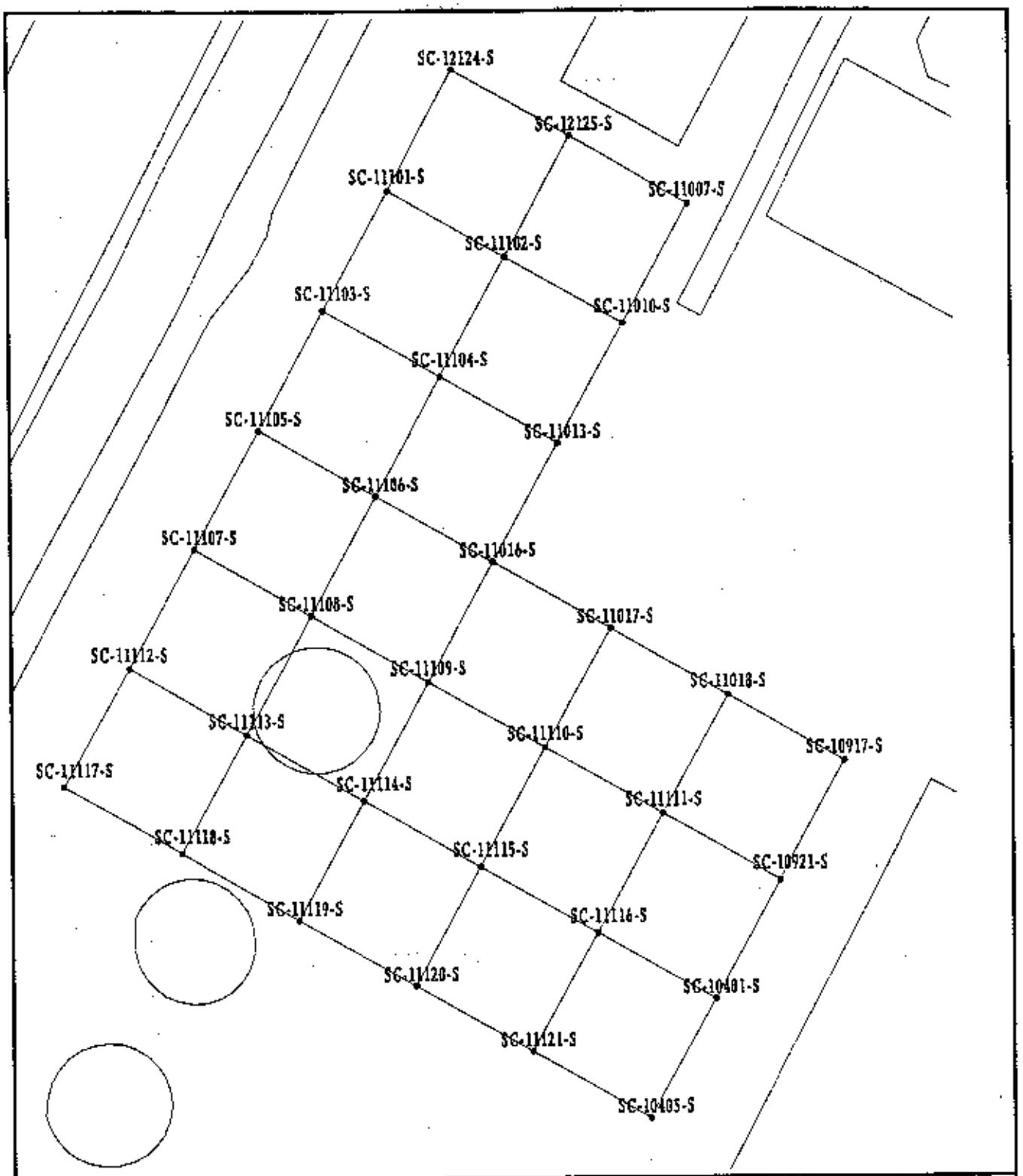

5 2.5 0 METERS

10 5 0 FEI

Sample Locations in Remedial Unit RU009
Confirmation Unit CU111

Figure A-18

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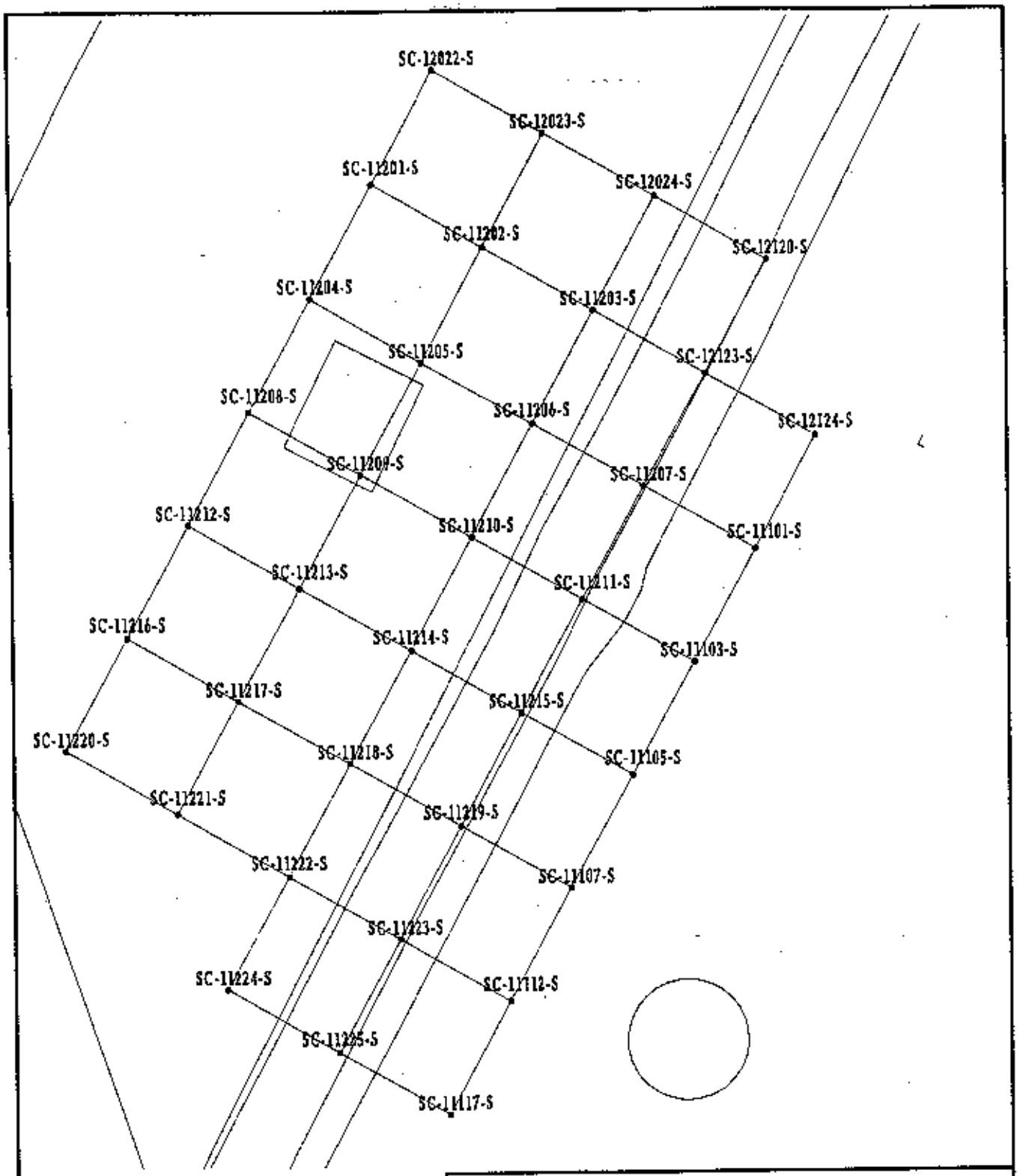

6 26 0 METERI

10 50 FE

Sample Locations in Remedial Unit RU009 Confirmation Unit CU112

Figure A-19

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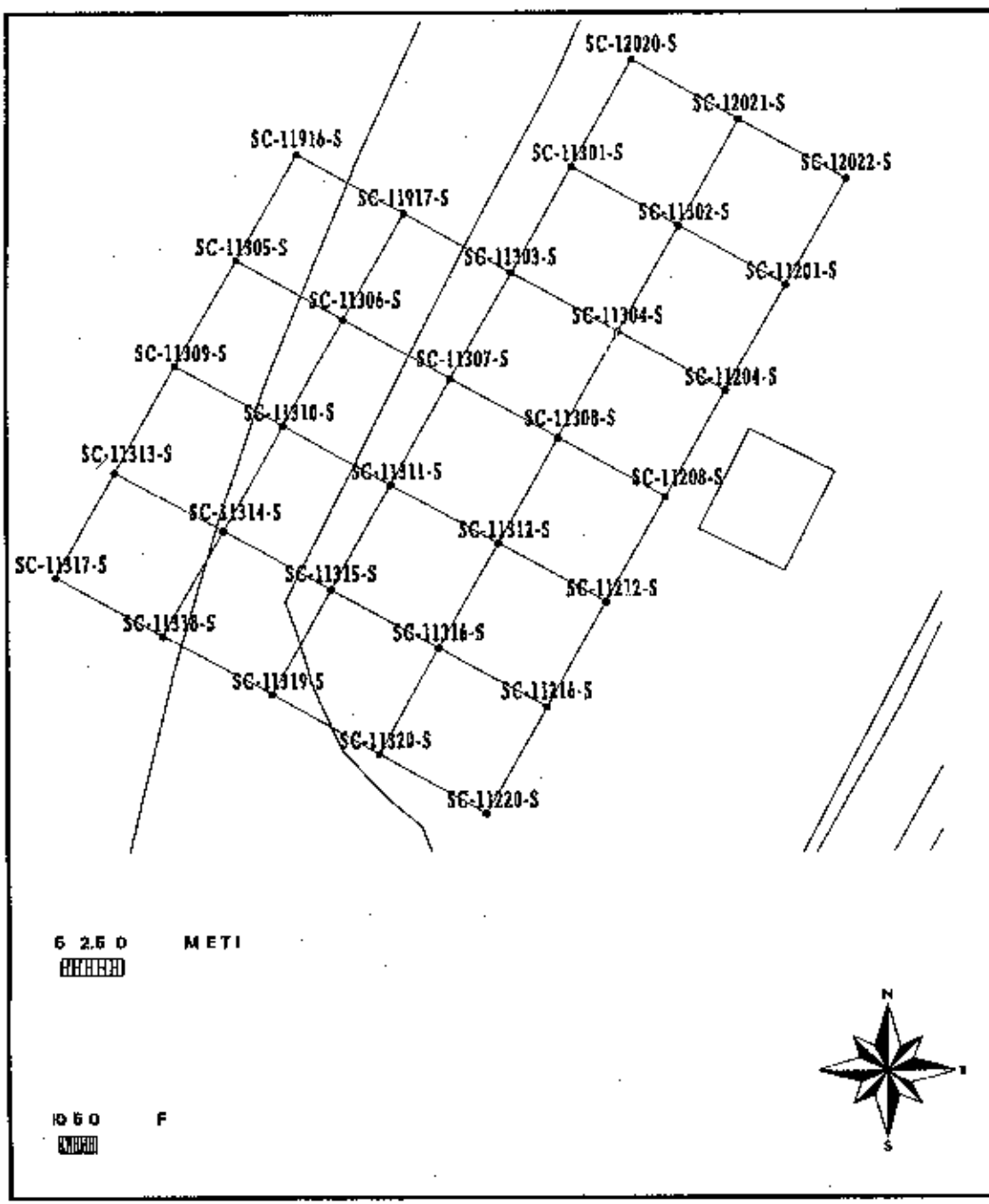
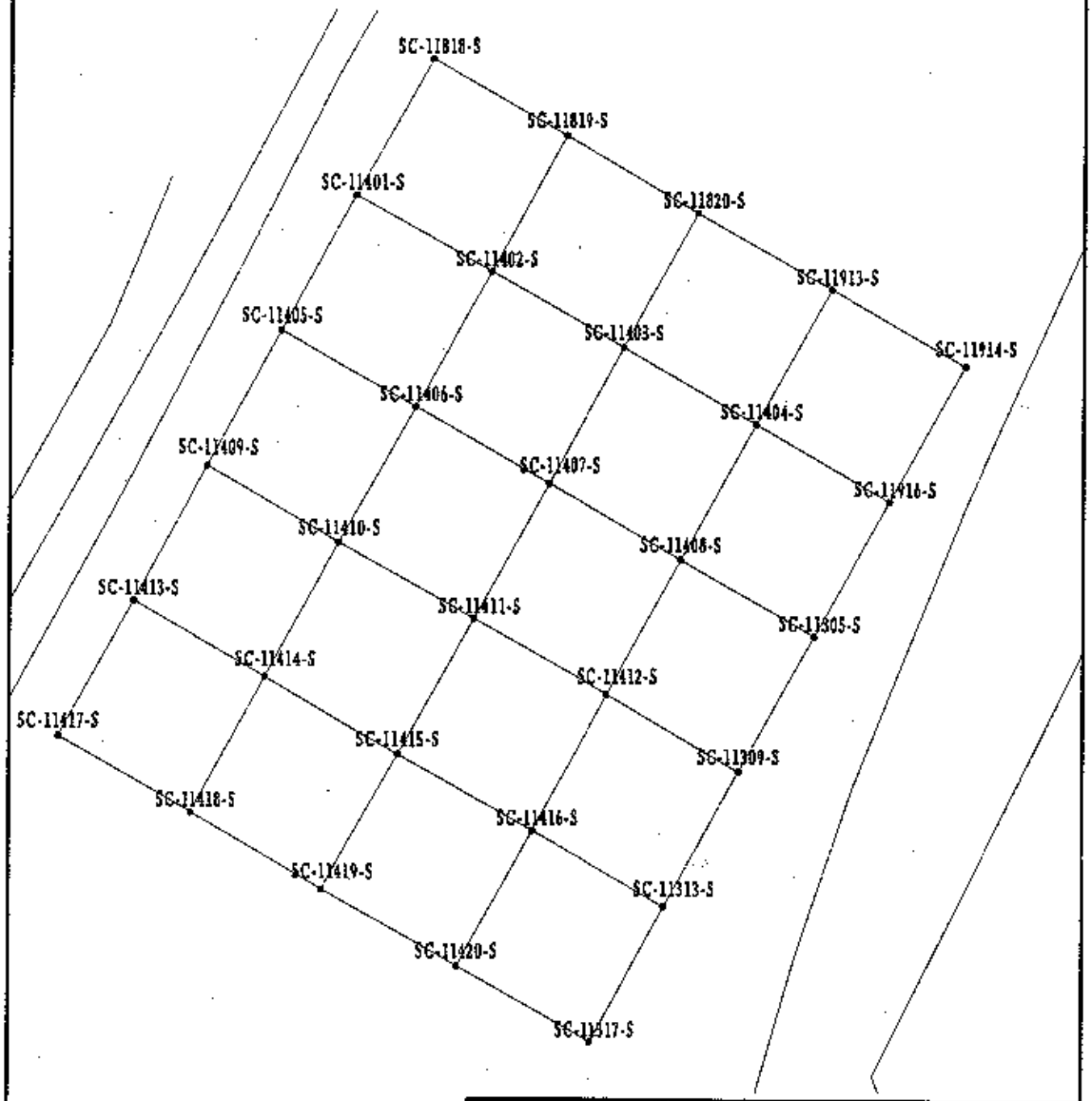


Sample Locations in Remedial Unit RU009
Confirmation Unit CU113

Figure A-20

EXHIBIT NO.: G/CP/309/0897	REPORT NO.: DOE/OR/21548-704	
ORIGINATOR: MGL	DRAWN BY: WSSRAP GIS	DATE: 08/25/97



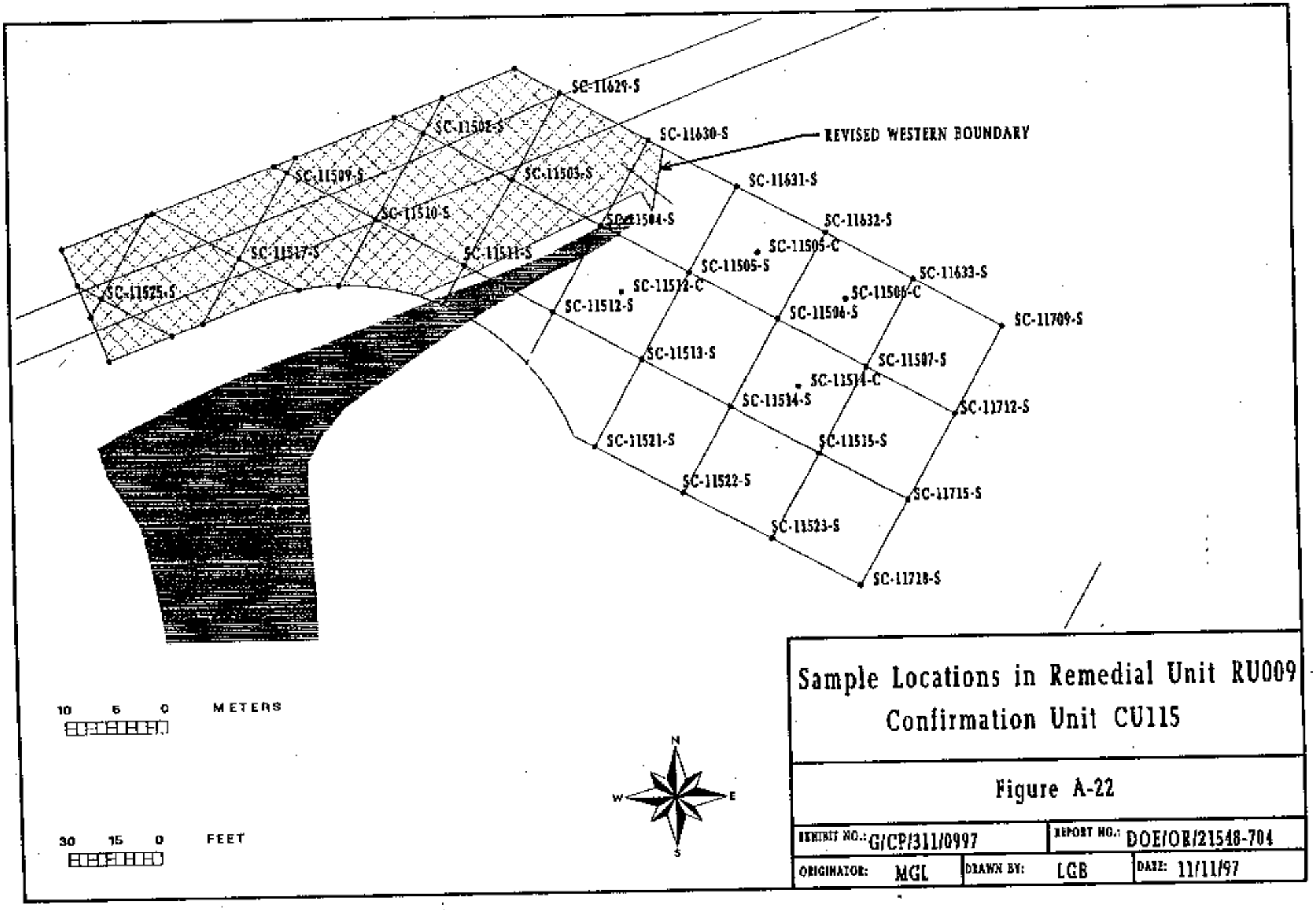
5 2.5 0 METERS

10 5 0 FEE

Sample Locations in Remedial Unit RU009 Confirmation Unit CU114

Figure A-21

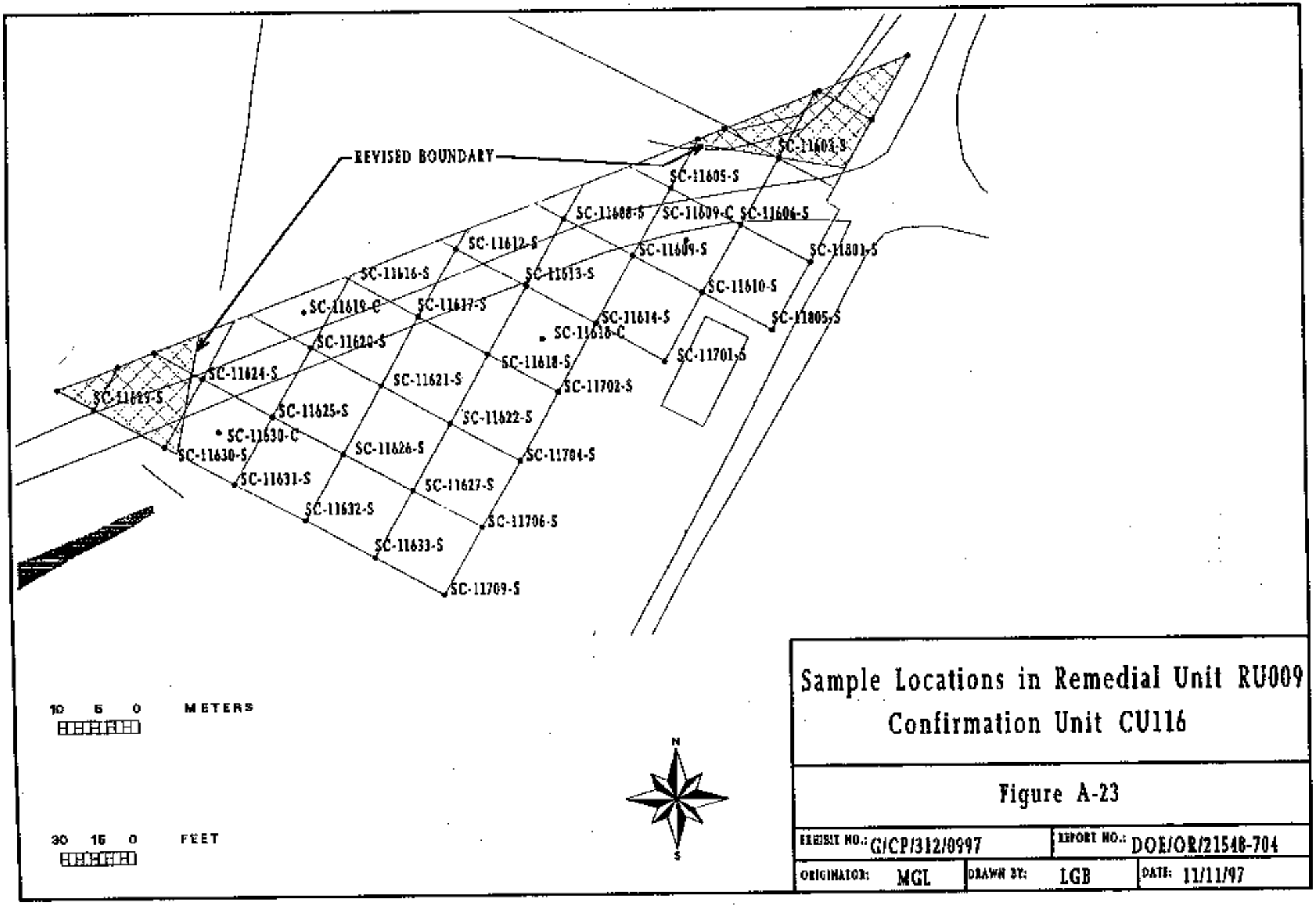
EXHIBIT NO.: G/CP/310/0897		REPORT NO.: DOE/OR/21548-704	
ORIGINATOR: MGL	DRAWN BY: WSSRAP GIS	DATE: 08/25/97	



Sample Locations in Remedial Unit RU009
Confirmation Unit CU115

Figure A-22

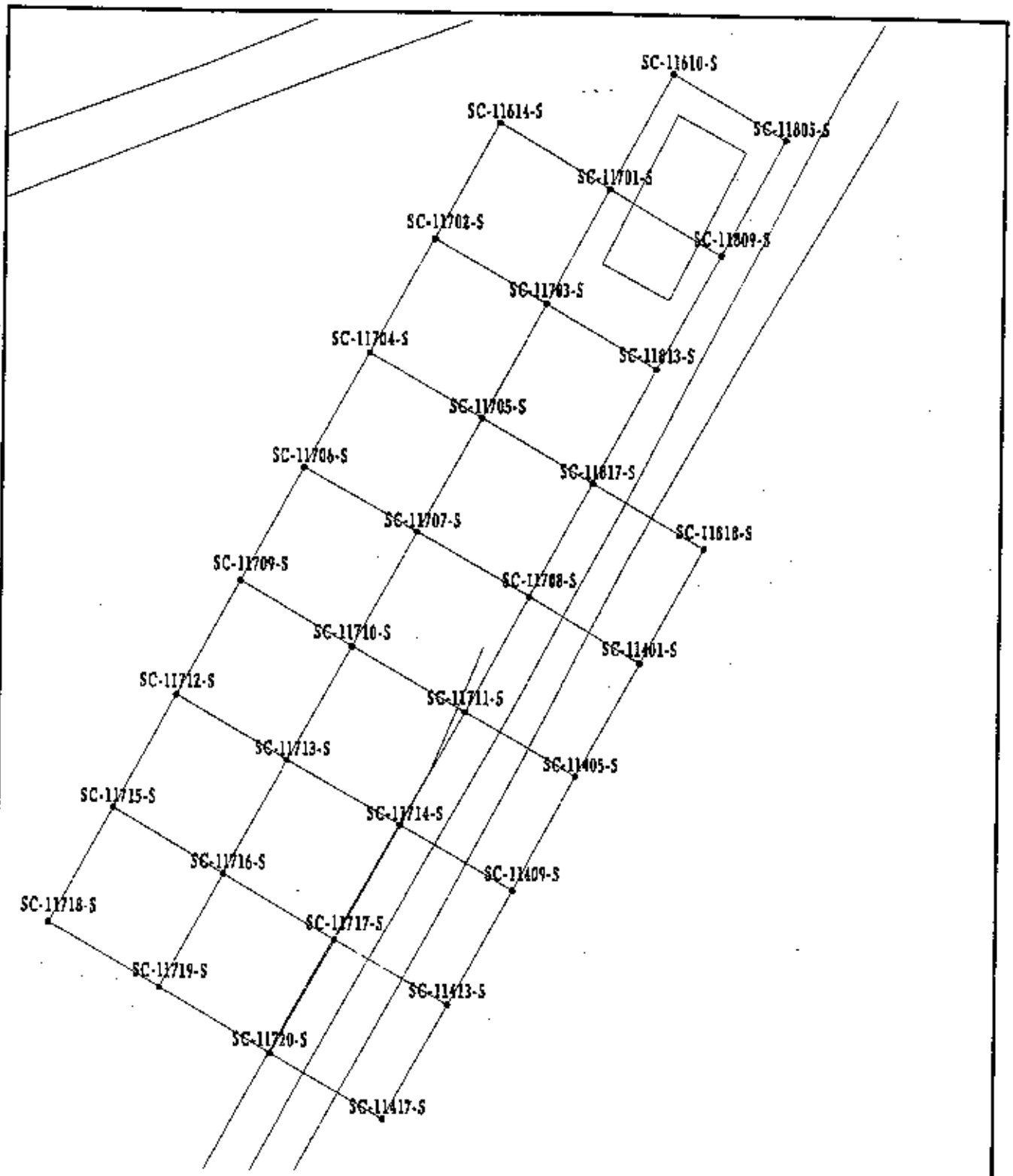
EXHIBIT NO.: G/CP/311/0997		REPORT NO.: DOE/OR/21548-704
ORIGINATOR: MGL	DRAWN BY: LGB	DATE: 11/11/97



Sample Locations in Remedial Unit RU009
Confirmation Unit CU116

Figure A-23

EXHIBIT NO.: G/CP/312/0997	REPORT NO.: DOE/OR/21548-704	
ORIGINATOR: MGL	DRAWN BY: LGB	DATE: 11/11/97



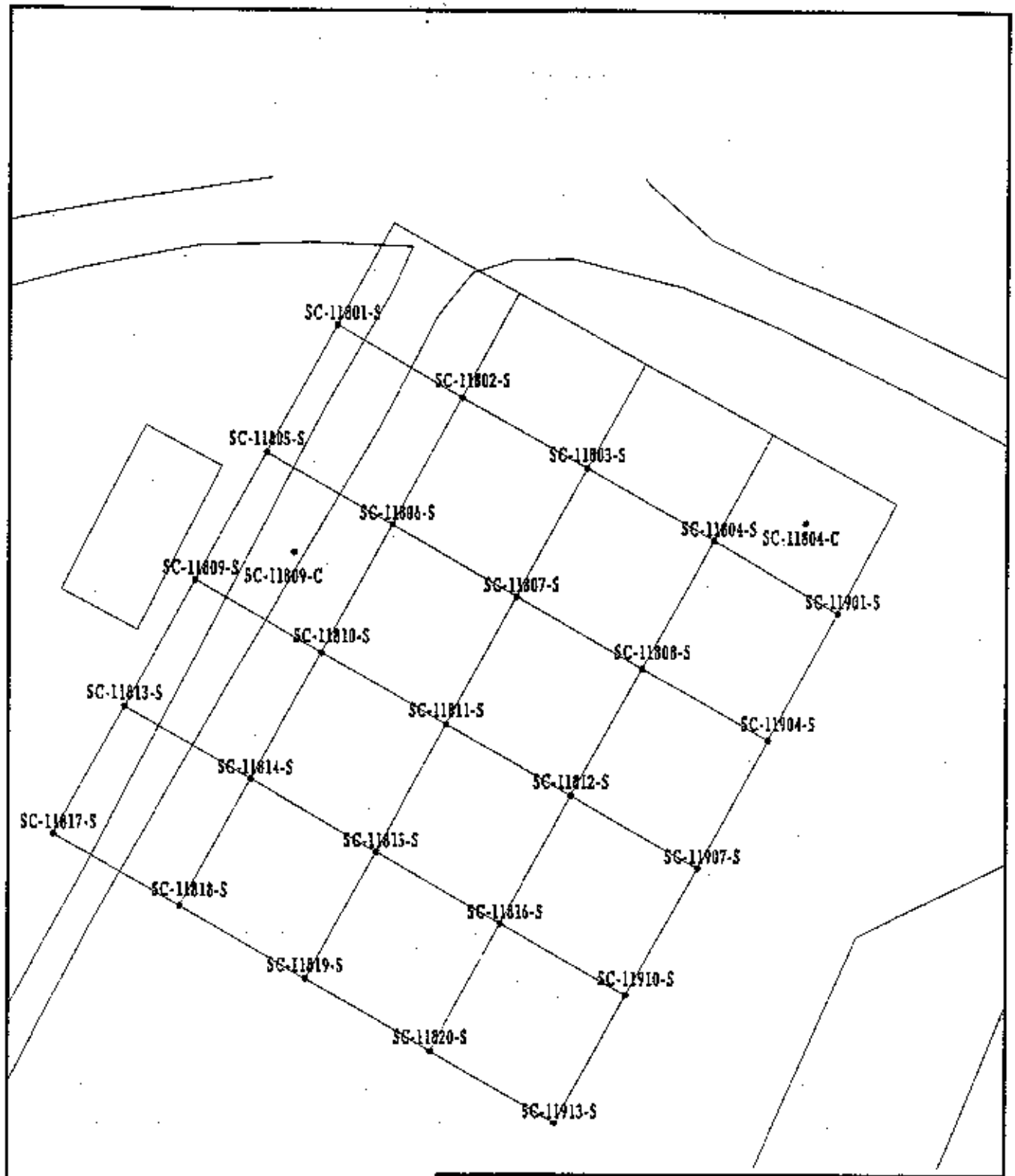
5 2.5 0 METERS

10 50 FEET

Sample Locations in Remedial Unit RU009
Confirmation Unit CU117

Figure A-24

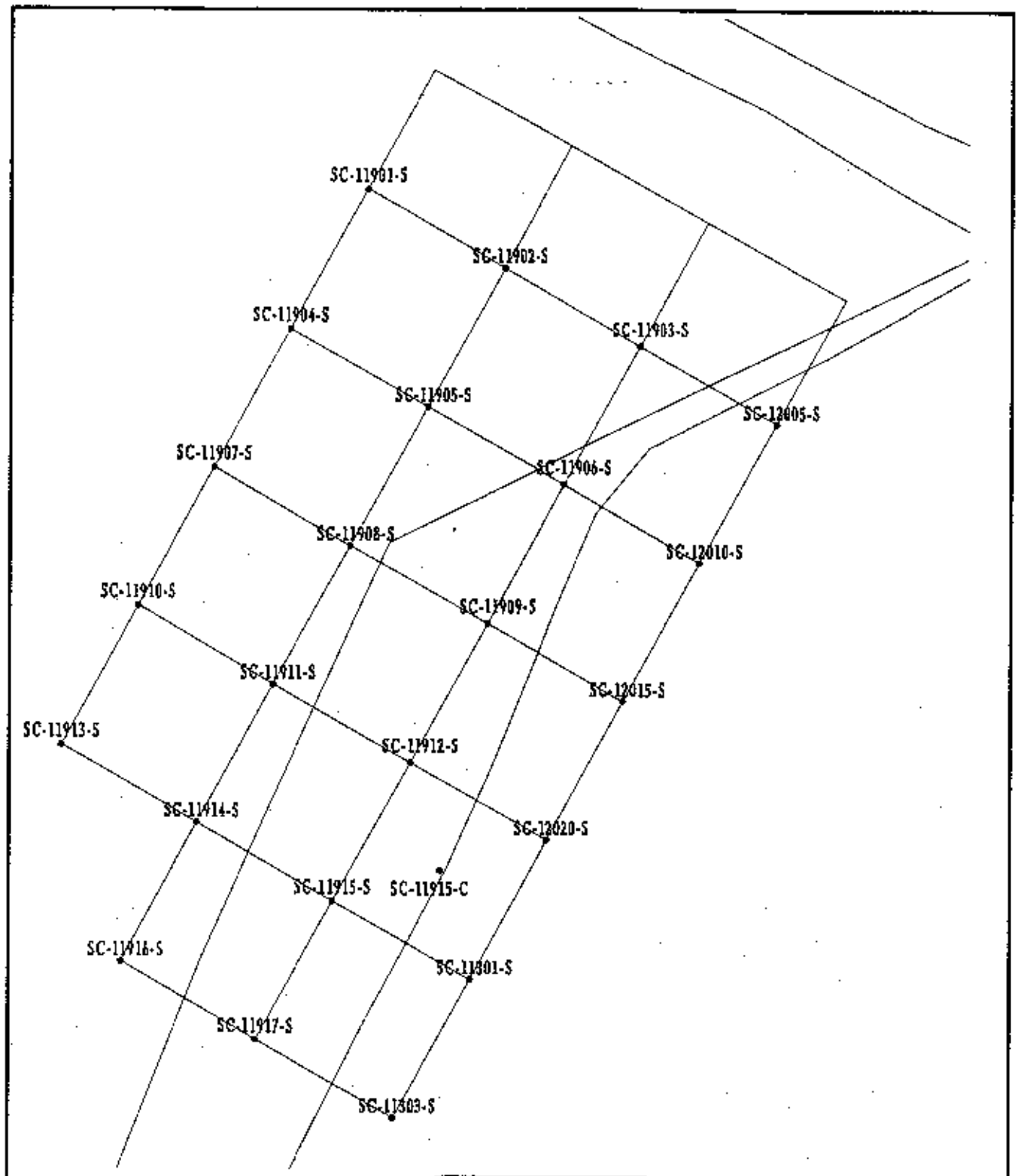
EXHIBIT NO.: G/CP/313/0897		REPORT NO.: DOE/OR/21548-704	
ORIGINATOR: MGL	DRAWN BY: WSSRAP GIS	DATE: 08/25/97	



Sample Locations in Remedial Unit RU009
Confirmation Unit CU118

Figure A-25

EXHIBIT NO.: G/CP/314/0897		REPORT NO.: DOE/OR/21548-704	
ORIGINATOR: MGL	DRAWN BY: WSSRAP GIS	DATE: 08/25/97	



N
E
S

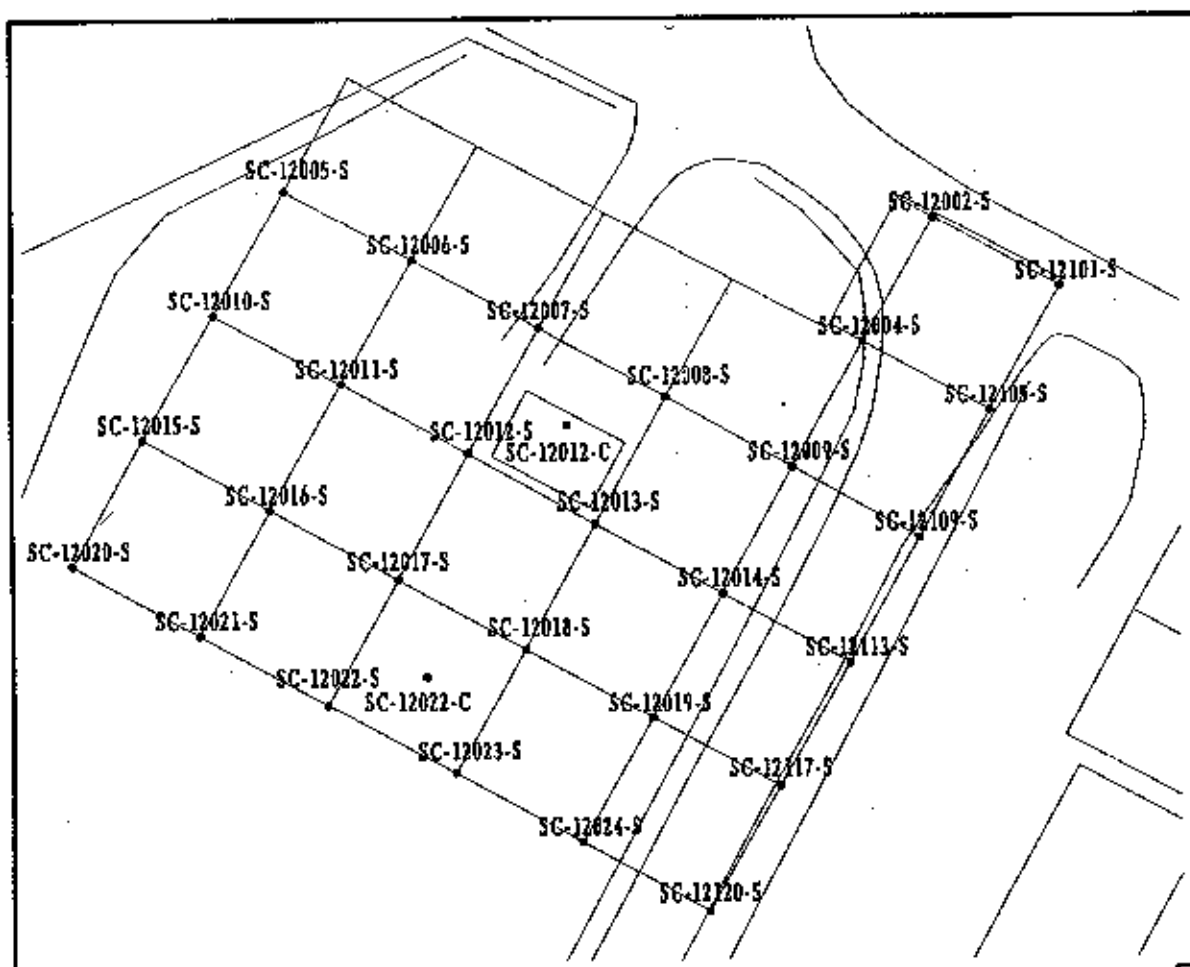
6 2.5 0 METERS

10 5 0 FEET

Sample Locations in Remedial Unit RU009
Confirmation Unit CU119

Figure A-26

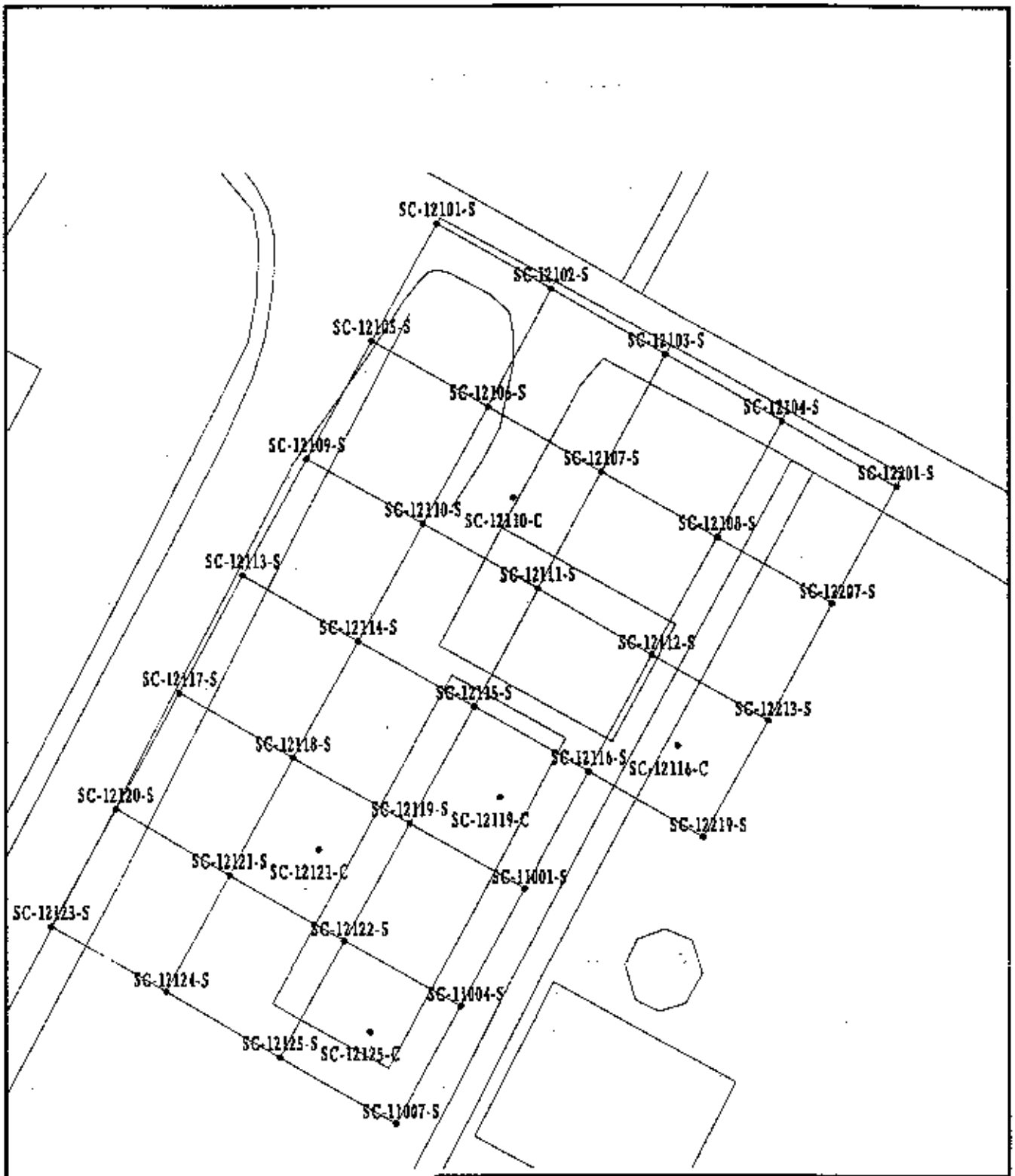
EXHIBIT NO.: G/CP/315/0897		REPORT NO.: DOE/OR/21548-704	
ORIGINATOR: MGL	DRAWN BY: WSSRAP GIS	DATE: 08/25/97	



Sample Locations in Remedial Unit RU009
Confirmation Unit CU120

Figure A-27

EXHIBIT NO.: G/CP/316/0897		REPORT NO.: DOE/OR/21548-704	
ORIGINATOR: MGL	DRAWN BY: WSSRAP GIS	DATE: 08/25/97	



N
E
S

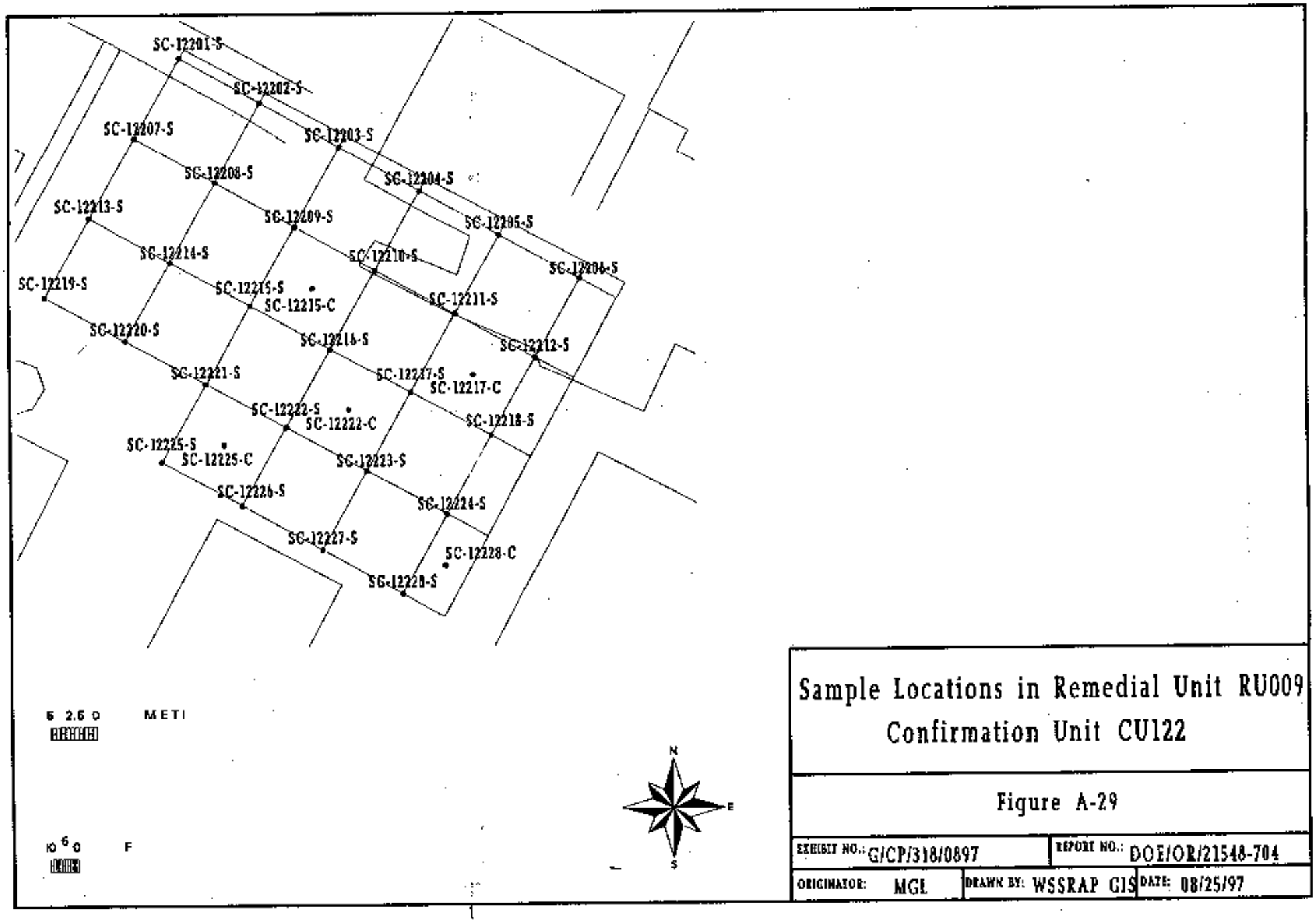
5 2.5 0 METERS

10 5 0 FEI

Sample Locations in Remedial Unit RU009 Confirmation Unit CU121

Figure A-28

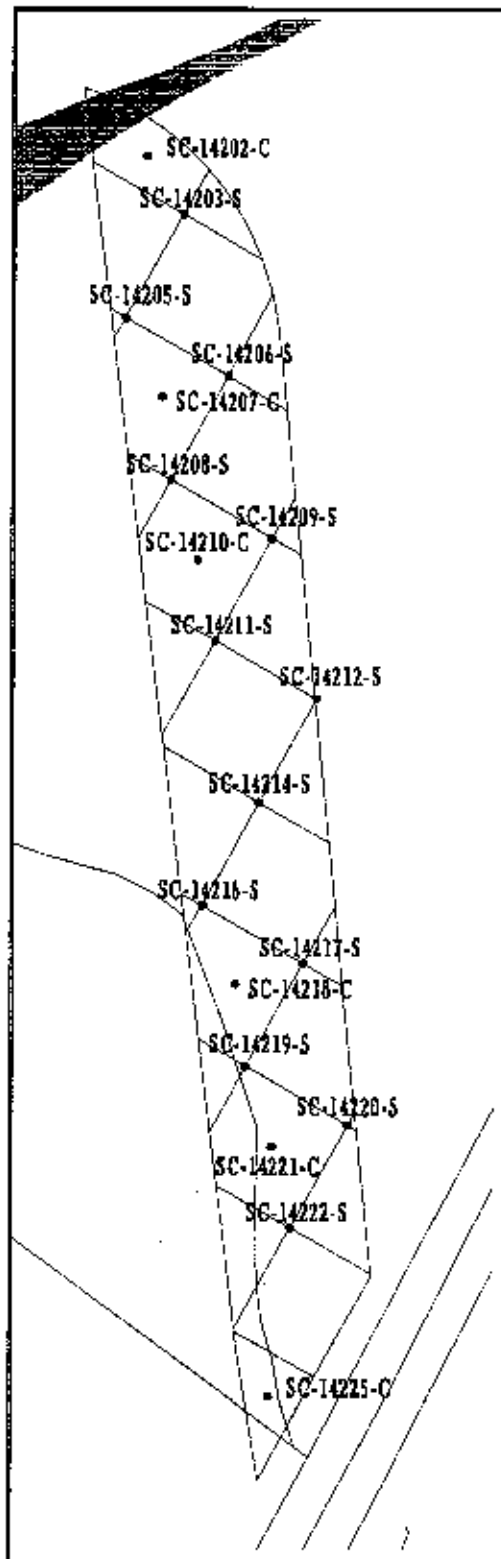
EXHIBIT NO.: G/CP/317/0897		REPORT NO.: DOE/OR/21548-704	
ORIGINATOR: MGL	DRAWN BY: WSSRAP GIS	DATE: 08/25/97	



Sample Locations in Remedial Unit RU009
Confirmation Unit CU122

Figure A-29

EXHIBIT NO.: G/CP/318/0897	REPORT NO.: DOE/OR/21548-704	
ORIGINATOR: MGE	DRAWN BY: WSSRAP GIS	DATE: 08/25/97



10 5 0 METERS

30 15 0 FEET

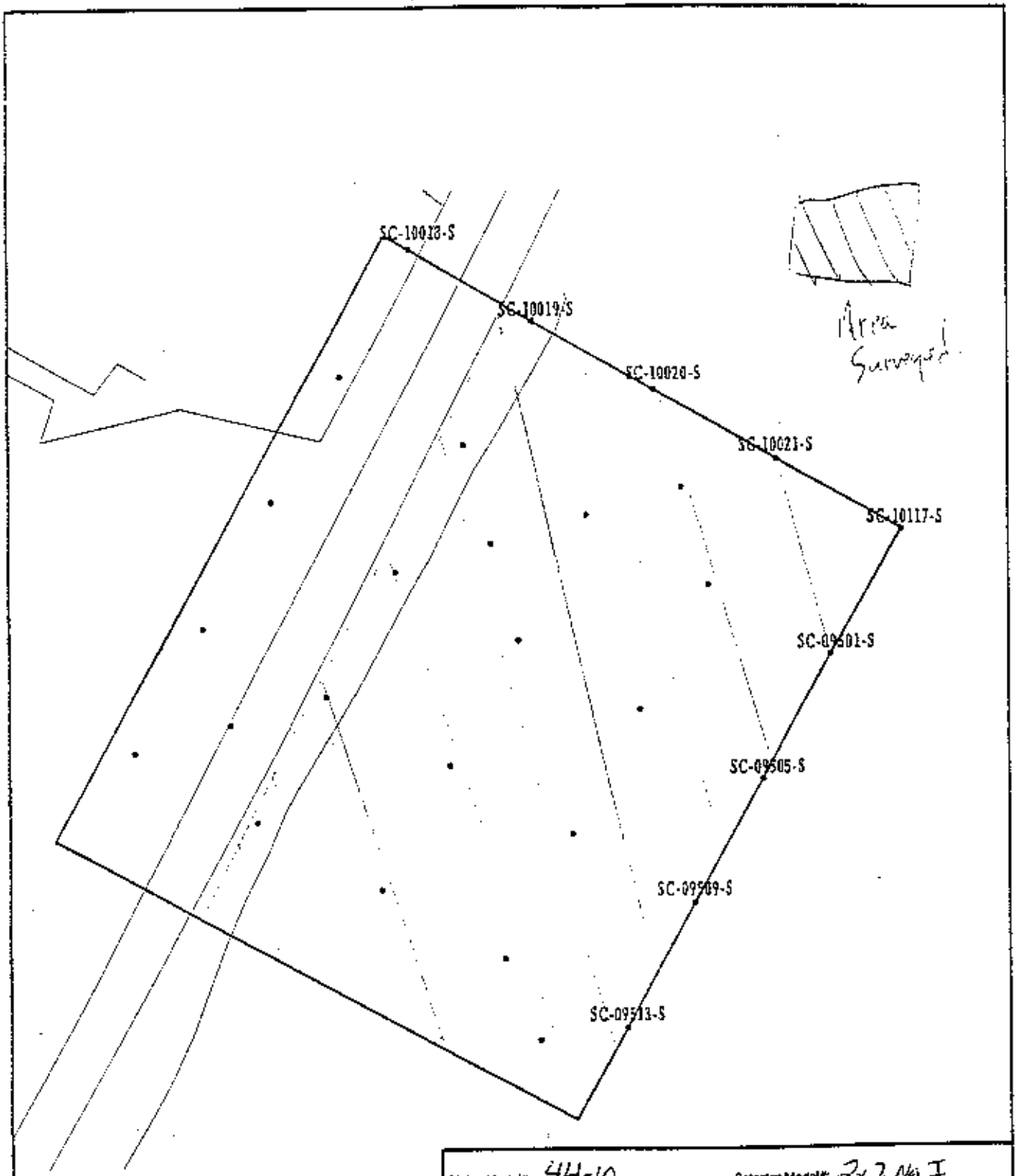
Sample Locations in Remedial Unit RU009
Confirmation Unit CU142

Figure A-30

EXHIBIT NO.: A/CP/0008/0197		REPORT NO.: DOE/OR/21548-590	
ORIGINATOR: MGL	DRAWN BY: WSSRAP GIS	DATE: 1/97	

APPENDIX B
Radiation Survey Forms WP420

Radiation Survey Form WP 420, RU009CU094



Meter Model#: 44-10

Detector Model#: 2x2 NaI

Meter Serial#: 2172

Detector Serial#: 4327-I (Shielded)

Calibration Due: 3-6-97

Calibration Due: 4-3-97

Survey Date/Time: 11-12-96 0900-1000

Field Bkg.: 5,000 cpm

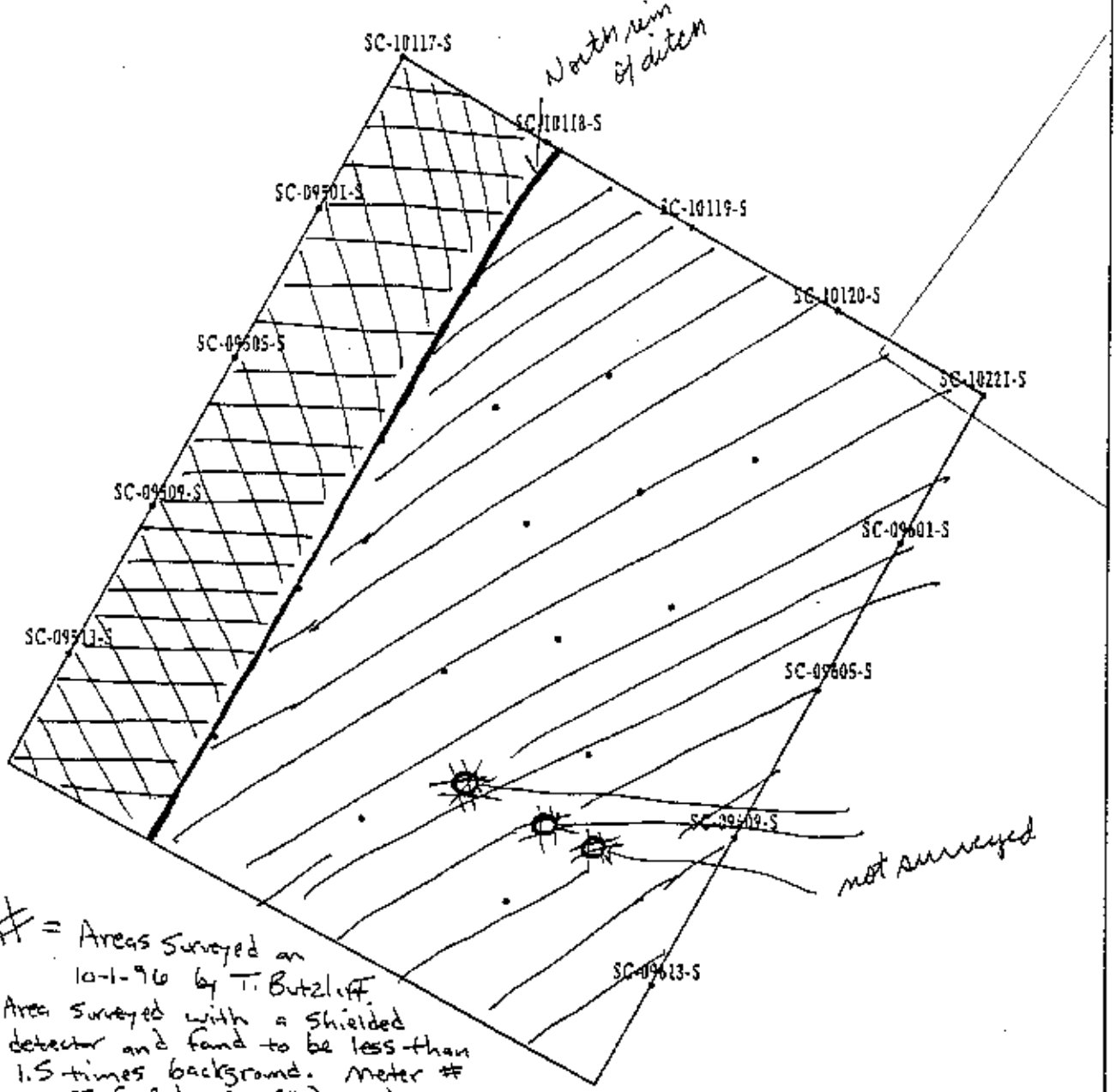
Surveyor(s): T. Butzloff

Comments: The above area was >2 times background. Approximately 4ft. of soil were removed from the surface of the CU. Soil samples were then taken and direct surveys performed with a 44-9. No elevated counts detected.

10 5 0 METERS

30 15 0 FEET

Radiation Survey Form WP 420, RU009CU095



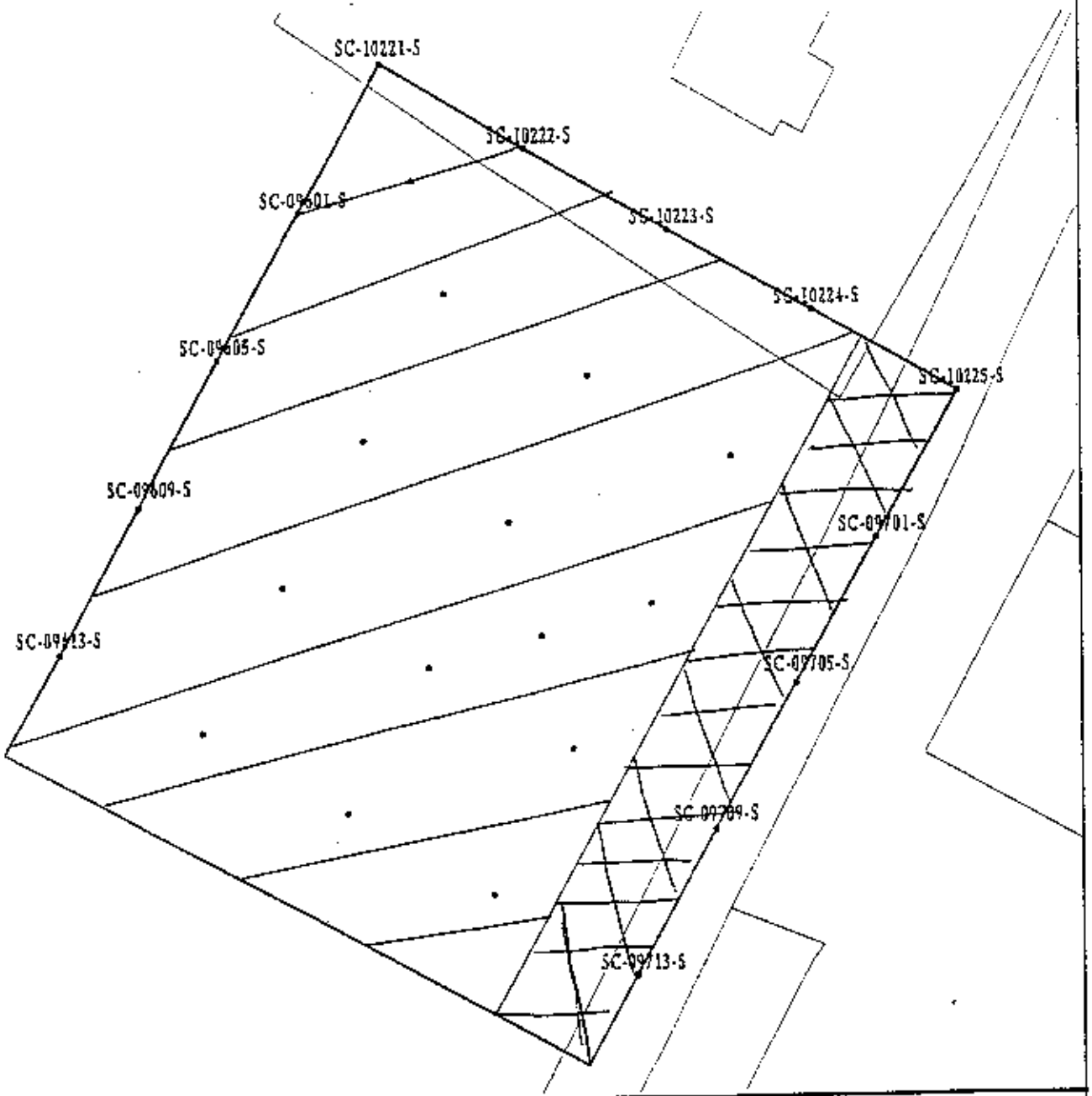
= Areas surveyed on 10-1-96 by T. Butzliff. Area surveyed with a shielded detector and found to be less than 1.5 times background. Meter # 127252 (cal. due 3-6-97) and Probe I, detector # 122608 shielded (cal. due 4-3-97) were used to survey the area.

10 5 0 METERS

30 15 0 FEET

Meter Model#: 2221	Detector Model#: 44-10
Meter Serial#: 2221 2172 3575	Detector Serial#: 4327-I
Calibration Due: 3/6/97-I 2/7/97-D	Calibration Due: 4/3/97-I 7/11/97 D
Survey Date/Time: 7/30/96 2400	Field Bkg.: 5000
Surveyor(s): J. Geyer / K. Hafley / B. McClane	
Comments: Partial CU; all areas surveyed w/ a shielded detector and less than 1.5x Bkg.	

Radiation Survey Form WP 420, RU009CU096



10 5 0 METERS

30 15 0 FEET

Meter Model#: 44-10

Meter Serial#: 2172, 3575

Calibration Due: 3-6-97, 2-7-97

Survey Date/Time: 10-14-96 0830-0930

Surveyor(s): T. Lukezic / T. Bielaff

Detector Model#: 2x2 NaI

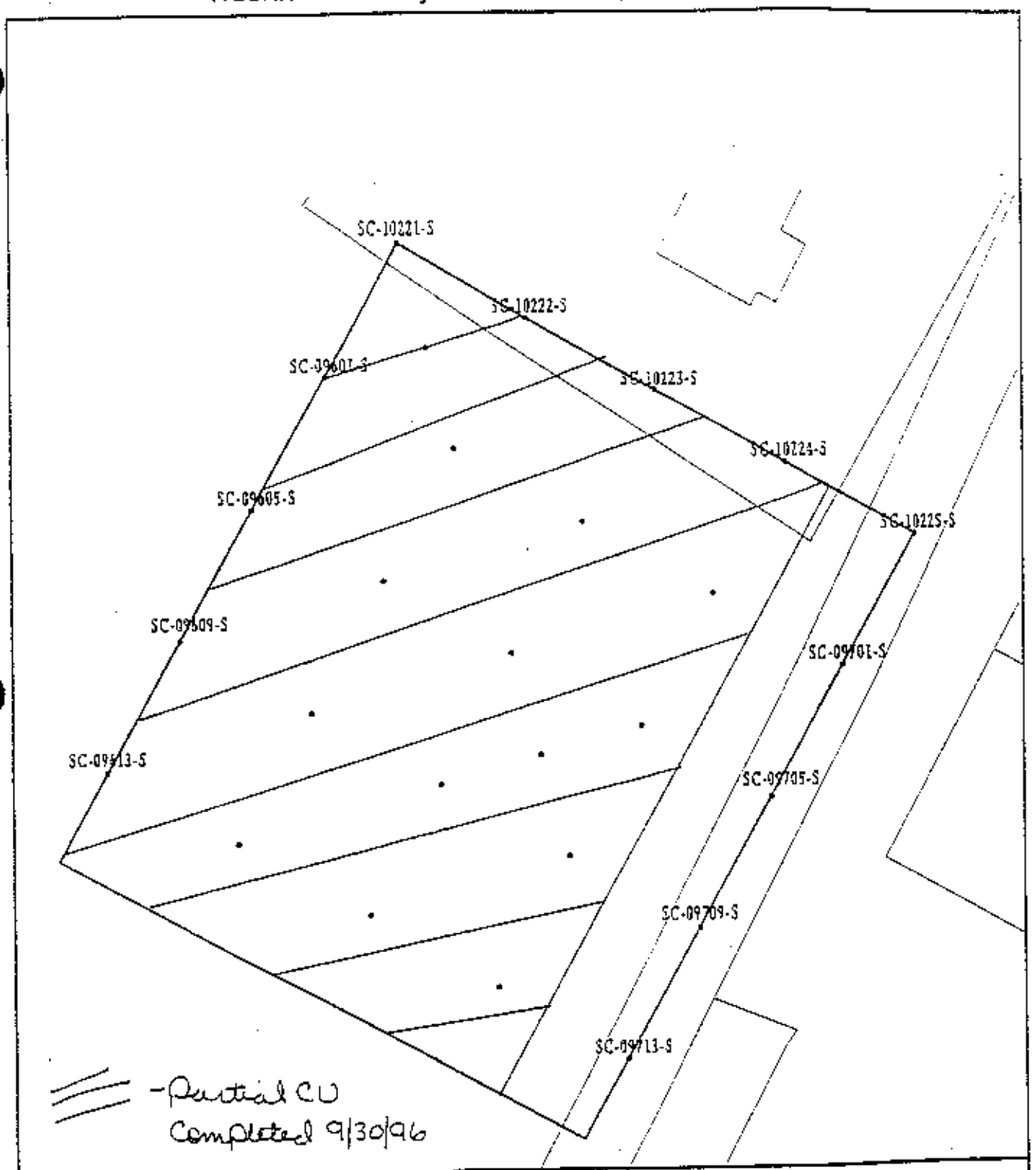
Detector Serial#: 4327-I (Shielded) 1039-D (Shielded)

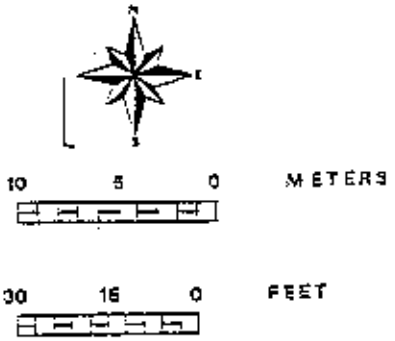
Calibration Due: 4-3-97, 7-11-97

Field Bkg.: 6,000 / 5,000 cpm

Comments: Area double hash marked was surveyed to complete final survey of this CU. The area was surveyed and found to be less than 1.5 times background.

Radiation Survey Form WP 420, RU009CU096





Meter Model#: 2221 2221

Meter Serial#: 2172 3575

Calibration Due: 3/6/97-I

Detector Model#: 44-10 44-10

Detector Serial#: 4327-I 1029-D

Calibration Due: 4/3/97-I 7/8/97-D

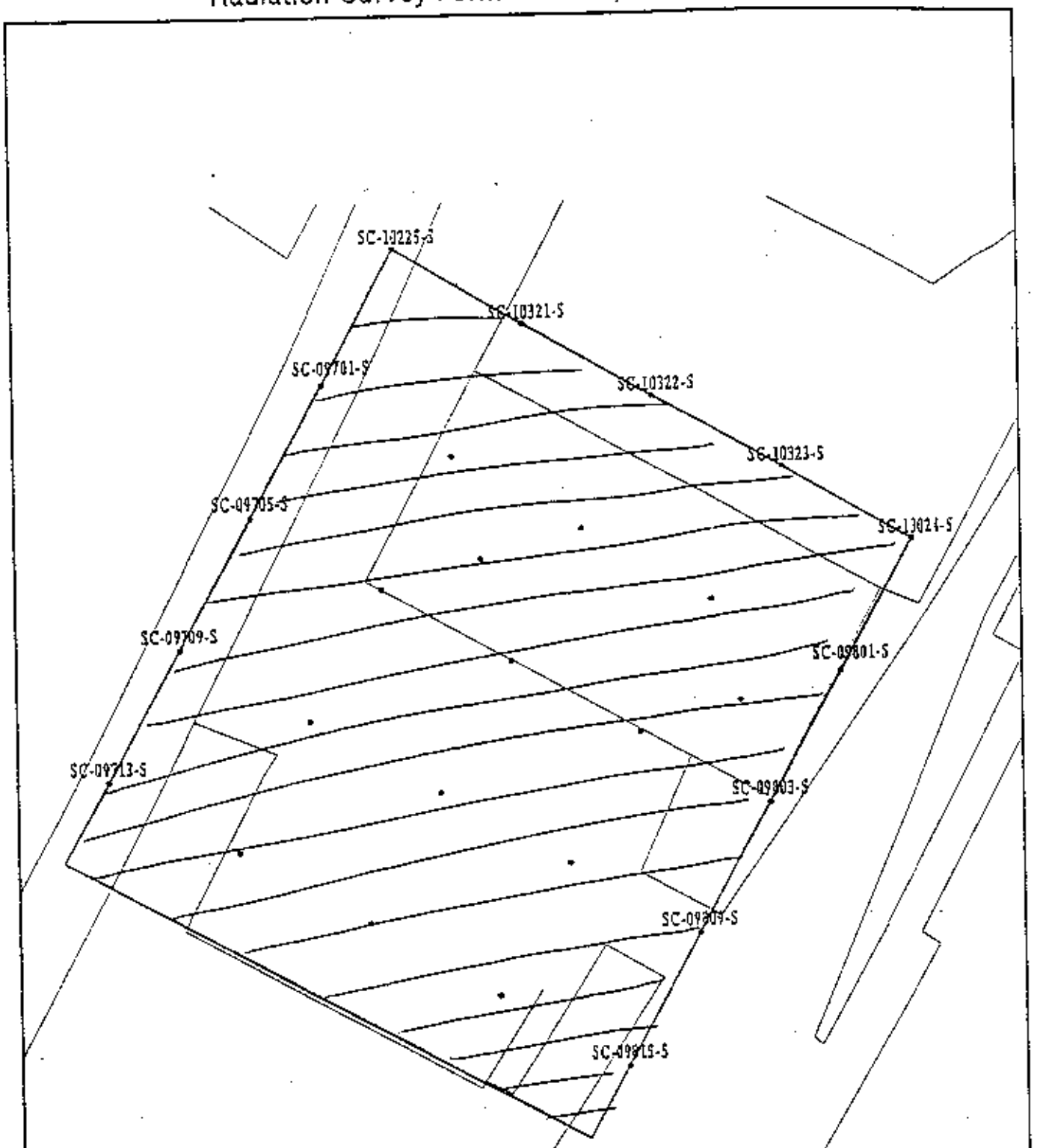
Survey Date/Time: 9/30/96 2000 #197-D

Field Bkg.: 5000

Surveyor(s): J. Geyer, K. Hafley, B. McClure

Comments: Partial CU; all areas surveyed w/ a shielded detector and less than 1.5x Bkg.

Radiation Survey Form WP 420, RU009CU097



Meter Model#: 44-10

Meter Serial#: 125433, 106701

Calibration Due: 2-7-97, 2-7-97

Survey Date/Time: 10-11-96 0800-1100

Surveyor(s): T. Butzlaff / T. Lukezic

Detector Model#: 2x2 NaI 4240-F

Detector Serial#: 035445-D

Calibration Due: 6-12-97, 7-1-97

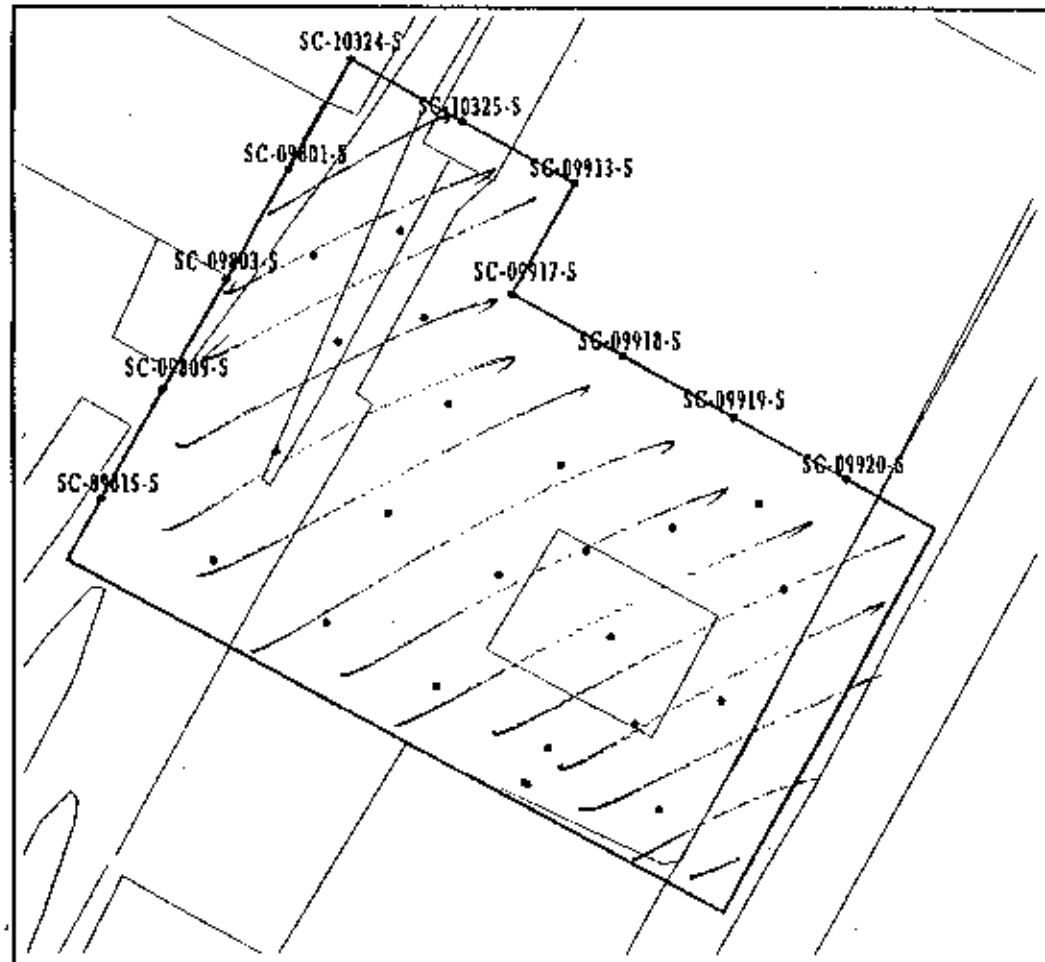
Field Bkg.: 9,500 / 10,000 cpm

Comments: The above area was surveyed and found to be less than 1.5 times background.

10 5 0 METERS

30 15 0 FEET

Radiation Survey Form WP 420, RU009CU098



10 5 0 10 METERS

30 15 0 30 FEET

N
W E
S

Meter Model#: 44-10 Detector Model#: 2x2 NaI 4240-F

Meter Serial#: 125433, 196701 Detector Serial#: 035449-D

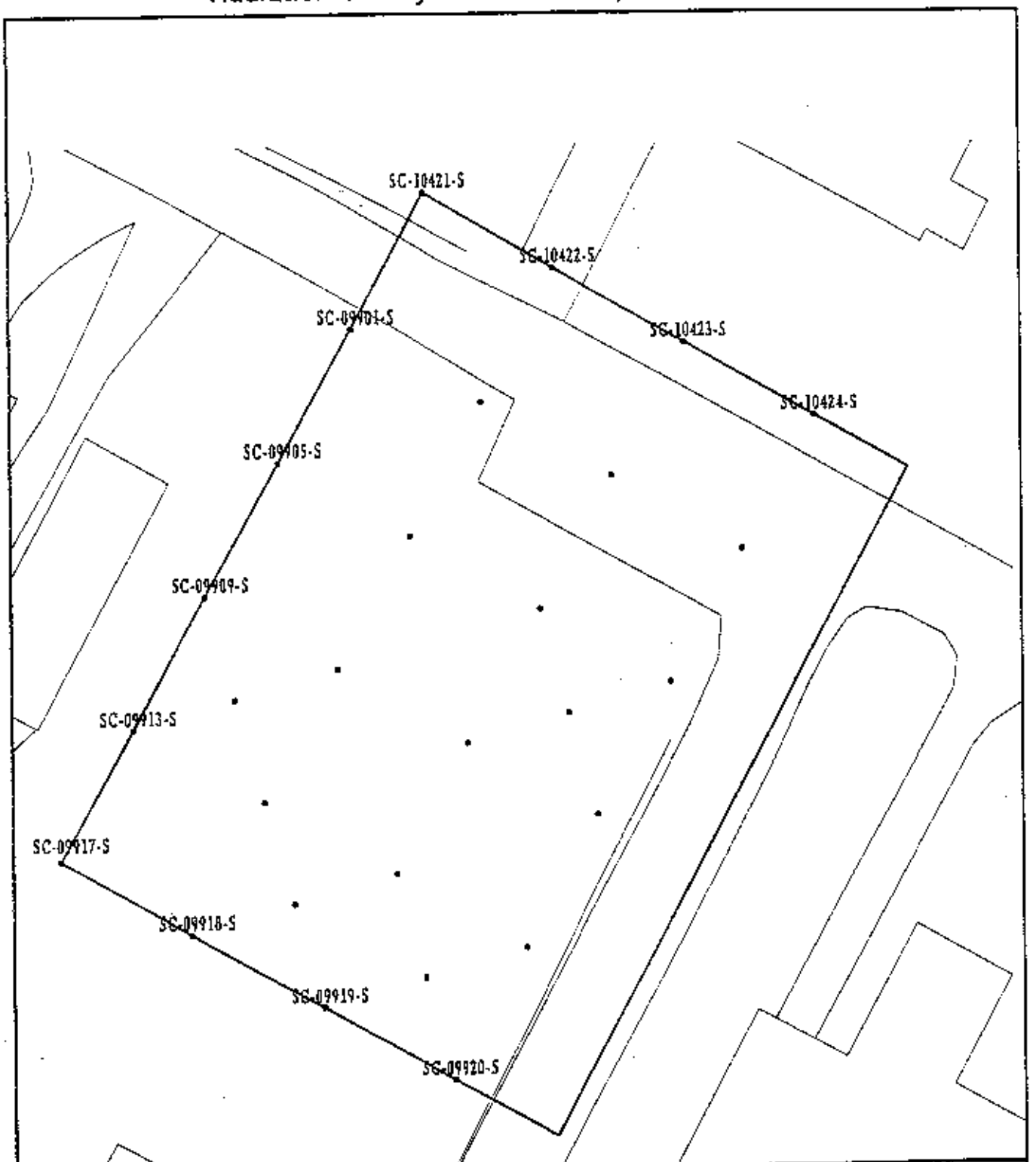
Calibration Due: 2-7-97, 2-7-97 Calibration Due: 6-12-97, 7-1-97

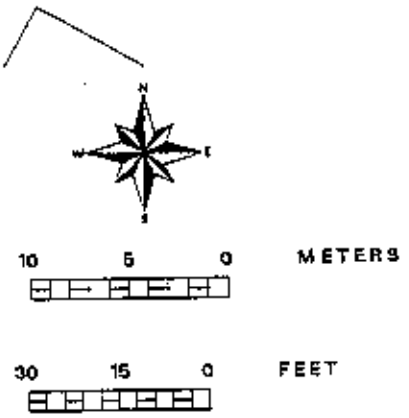
Survey Date/Time: 10-10-96 0900-1400 Field Bkg.: 11,200 / 10,000 cpm

Surveyor(s): T. Lukezic / T. Butzloff

Comments: The above area was surveyed and found to be less than 1.5 times background.

Radiation Survey Form WP 420, RU009CU099





Meter Model#: 44-10

Meter Serial#: 4331 / 104701

Calibration Due: 2-7-97 / 2-7-97

Survey Date/Time: 10-7-96 0500-0900

Surveyor(s): T. Butzlaff / B. Mc Clane

Detector Model#: 2x2 NaF

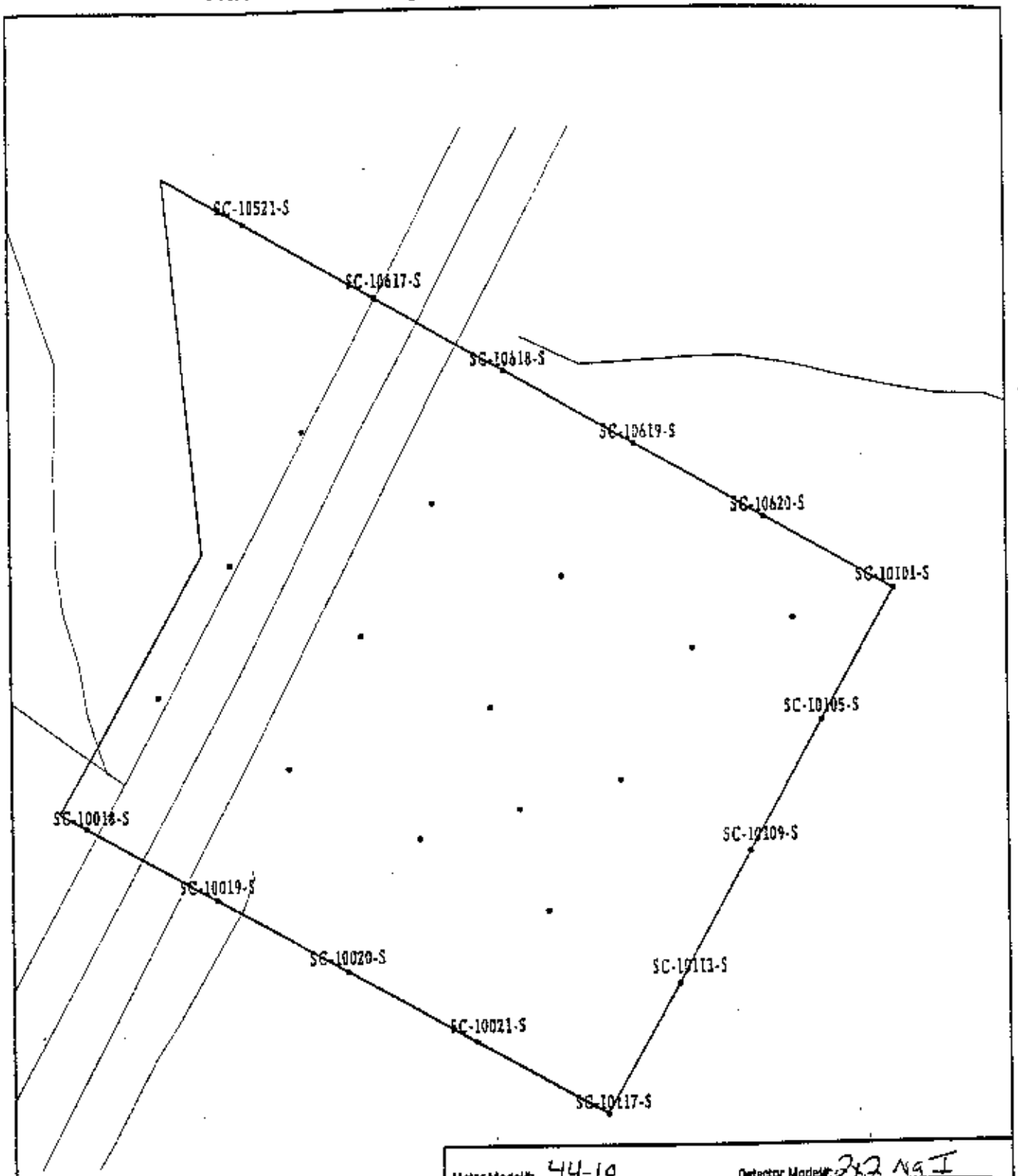
Detector Serial#: 4240-F 3548-D

Calibration Due: 6-12-97 / 4-3-97

Field Bkg.: 10,500 cpm

Comments: The above area was surveyed and found to be less than 1.5 times background.

Radiation Survey Form WP 420, RU009CU100



Meter Model#: 44-10

Meter Serial#: 2172, 81330

Calibration Due: 3-6-97, 7-15-97

Survey Date/Time: 11-19-96 1000 - 1100

Surveyor(s): T. Butzloff / L. Haggess

Detector Model#: 2x2 NaI

Detector Serial#: 4327-I, 136763-L

Calibration Due: 4-3-97, 6-19-97

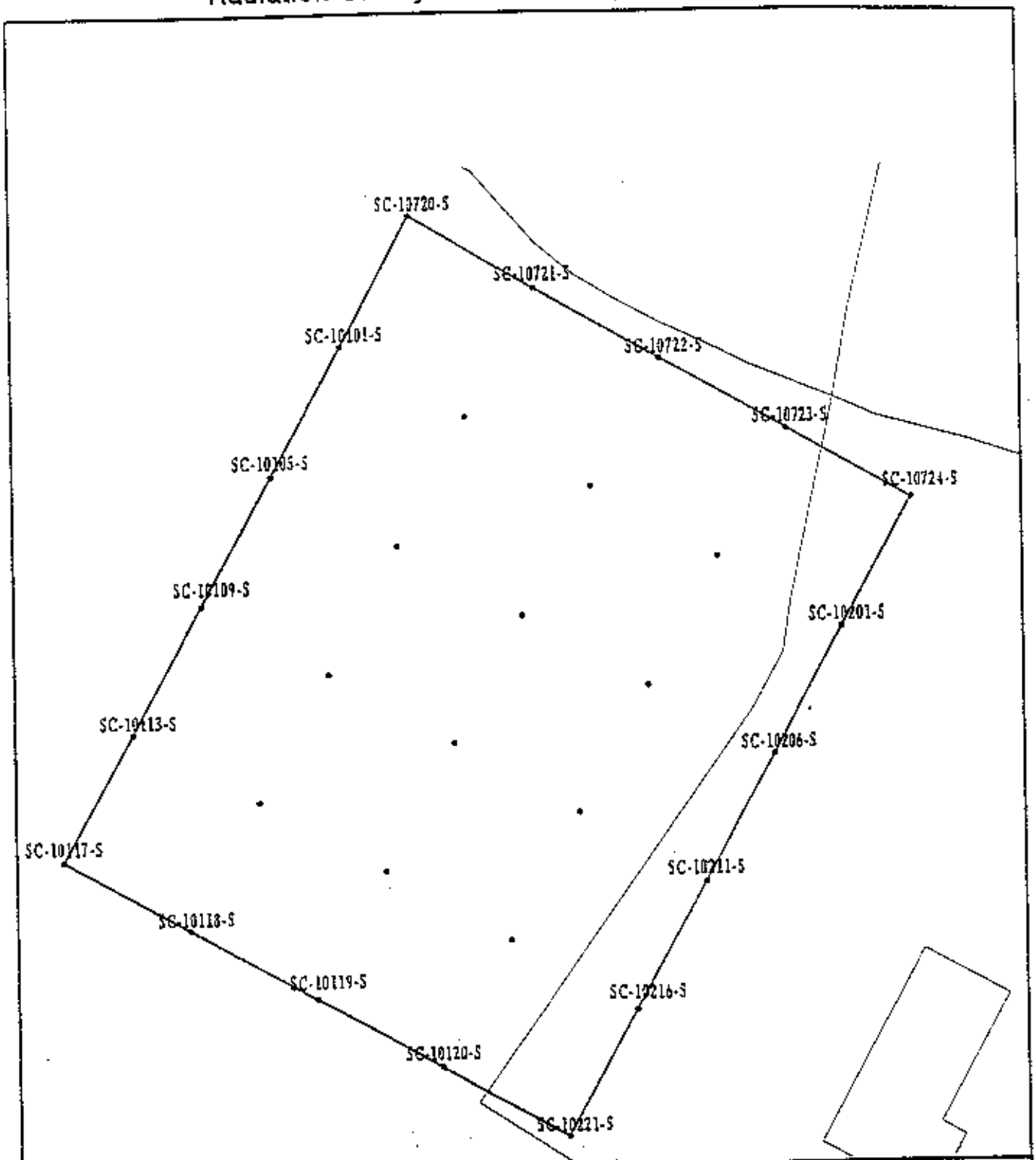
Field Bkg.: 10,000 / 10,200 cpm

Comments: The above area was >2 times background. "Shine" suspected due to relative location to Pit 3. Soil Samples taken from 2 hottest areas in the CU. Samples were

10 5 0 METERS

30 15 0 FEET

Radiation Survey Form WP 420, RU009CU101



10 5 0 METERS

30 15 0 FEET

Meter Model#: 44-10

Meter Serial#: 2172, 81330

Calibration Due: 3-6-97, 7-15-97

Survey Date/Time: 11-19-96 0900-1000

Surveyor(s): T. Butzlaff / L. Hagoss

Detector Model#: 2x2 NaI

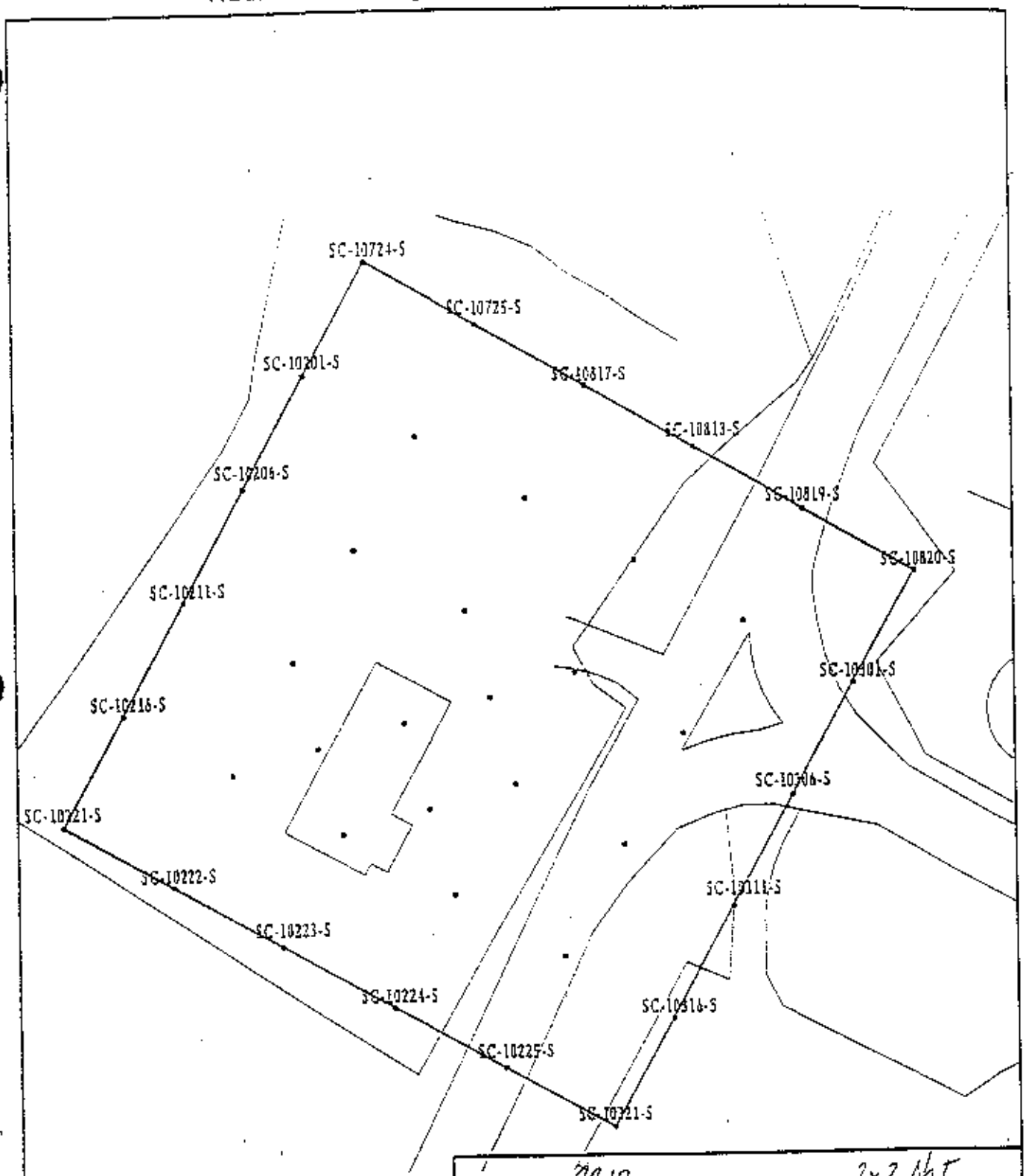
Detector Serial#: 4327-I, 13763-L

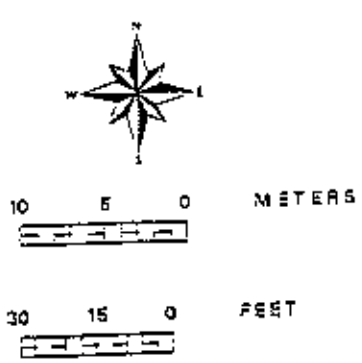
Calibration Due: 4-3-97, 6-19-97

Field Bkg.: 10,000 / 10,200 cpm

Comments: The shore area was 71.5 times background. "Shine" suspected due to relative location to Pit 3. Soil samples taken from 2 hottest areas in the CU. Samples were analyzed, confirmed clean & the CU was

Radiation Survey Form WP 420, RU009CU102





Meter Model#: 44-10 Detector Model#: 2x2 NaI

Meter Serial#: 81330 Detector Serial#: 130763 L

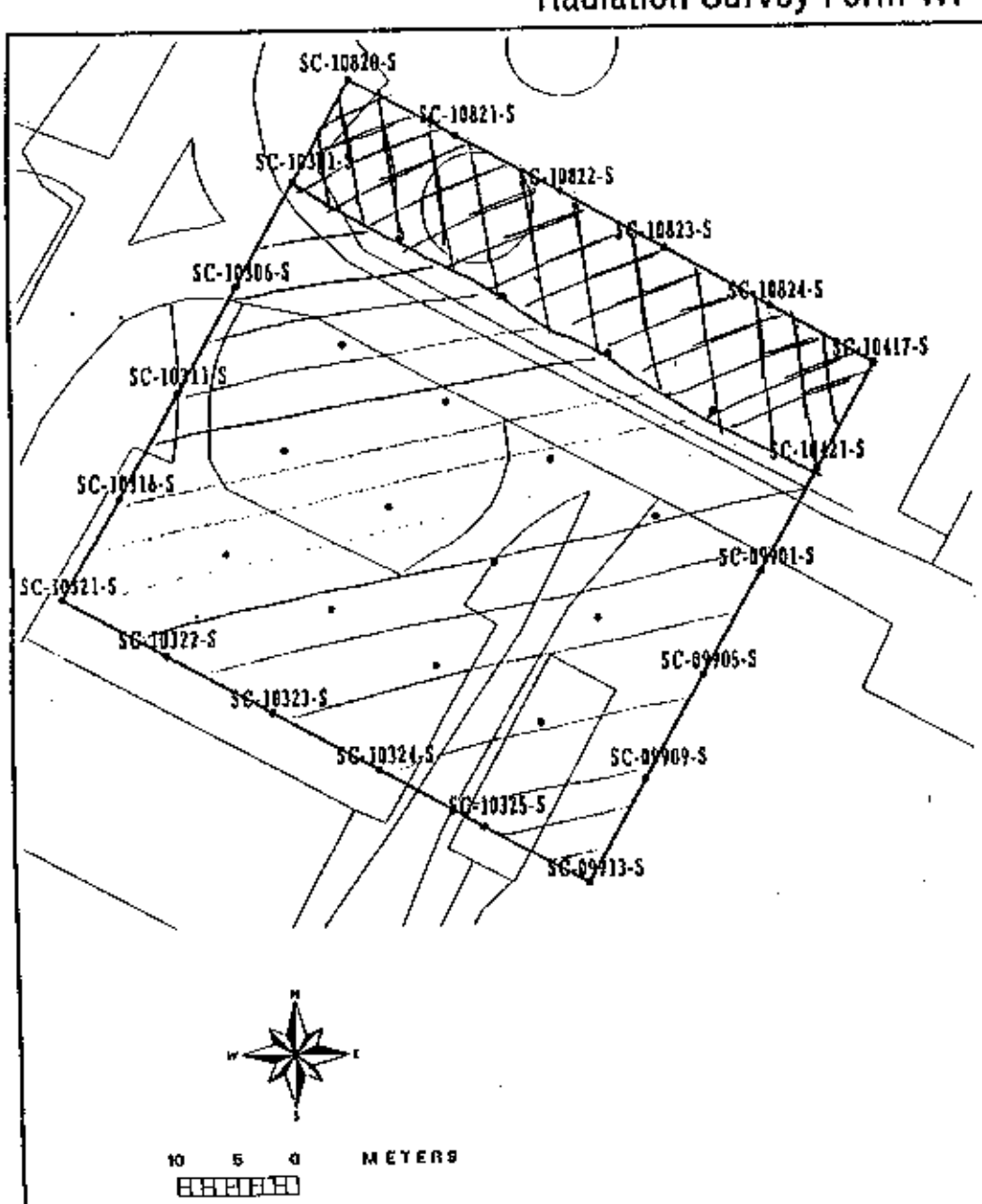
Calibration Due: 7-15-97 Calibration Due: 6-19-97

Survey Date/Time: 11/5/96 Field Bkg.: 11000

Surveyor(s): Leoul Hagoss

Comments: The above area was ~2 x BKGD. "Shine" suspected due to relative location to Pit 3. Samples (3) taken randomly throughout w/ BKGD readings. Confirmation

Radiation Survey Form WP 420, RU009CU103



XXX

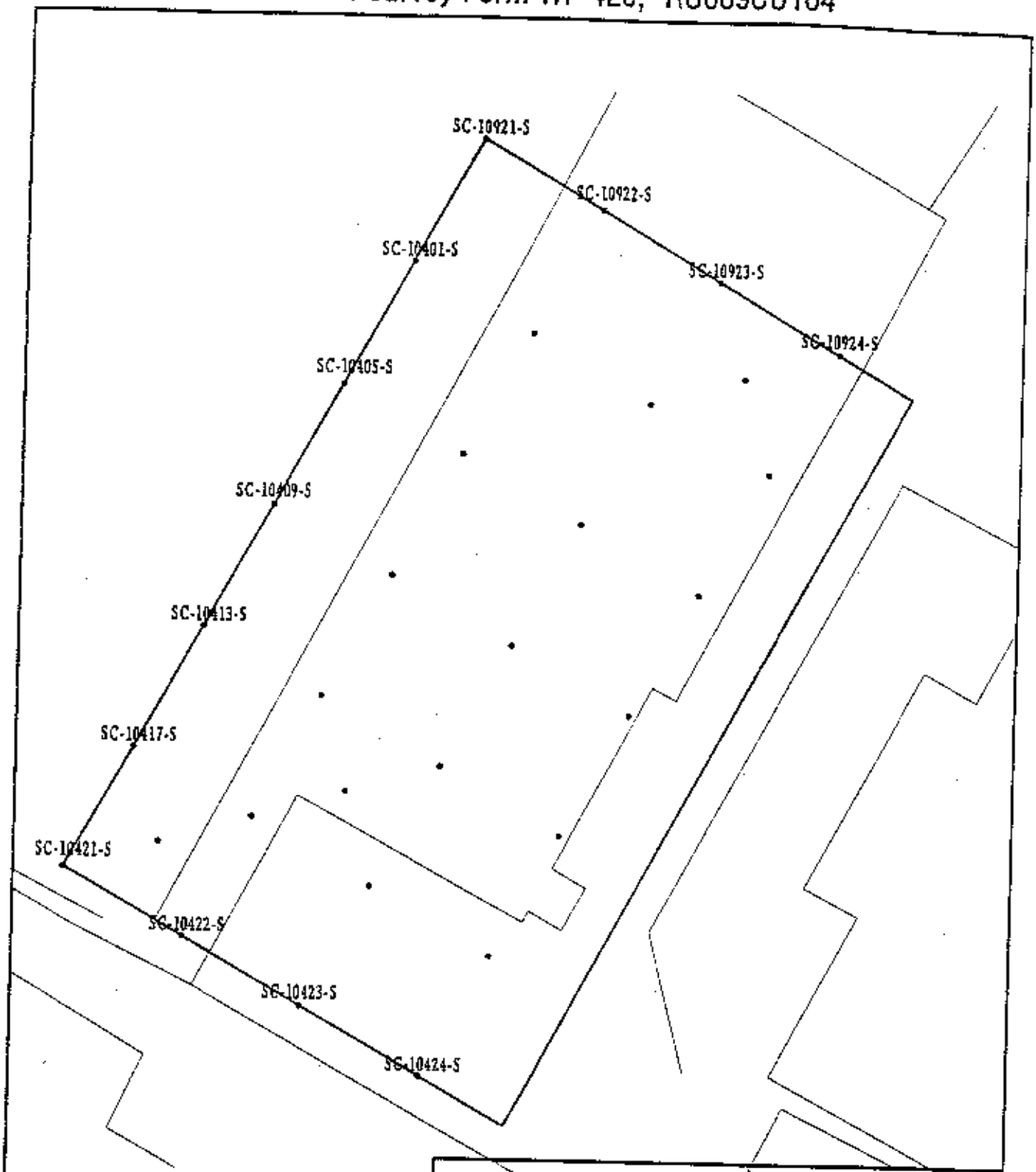
Surveyed by K. Hatfley on 10/19/96 & found to be less than 1.5 X BKGd.

METER ~~44-10~~ 2221 DETECTOR 44-10 2x2 NaI
SERIAL # 3576 SERIAL # 1029 D
CAL DUE 2-7-97 CAL DUE 7-11-97
SURVEY DATE/TIME 10-19-96 1030-1300 FIELD BKG 19500 cpm

Meter Model#: 44-10	Detector Model#: 2x2 NaI I
Meter Serial#: 127252, 125433	Detector Serial#: 122468-I, 4240-F
Calibration Due: 3-6-97; 2-7-97 0900-1600	Calibration Due: 4-3-97, 6-12-97
Survey Date/Time: 10-17-96	Field Bkg.: 11,000 / 16,500cpm
Surveyor(s): T. Butchoff / T. Lukszic	

Comments: The above marked area was surveyed and found to be less than 1.5 times background.

Radiation Survey Form WP 420, RU009CU104



10 5 0 METERS

30 15 0 FEET

Meter Model#: 44-10

Meter Serial#: 4331 / 104761

Calibration Due: 2-7-97 / 2-7-97

Survey Date/Time: 10-8-96 0700-0900

Surveyor(s): T. Butzlaff / T. Lukezic

Detector Model#: 2x2 NaI

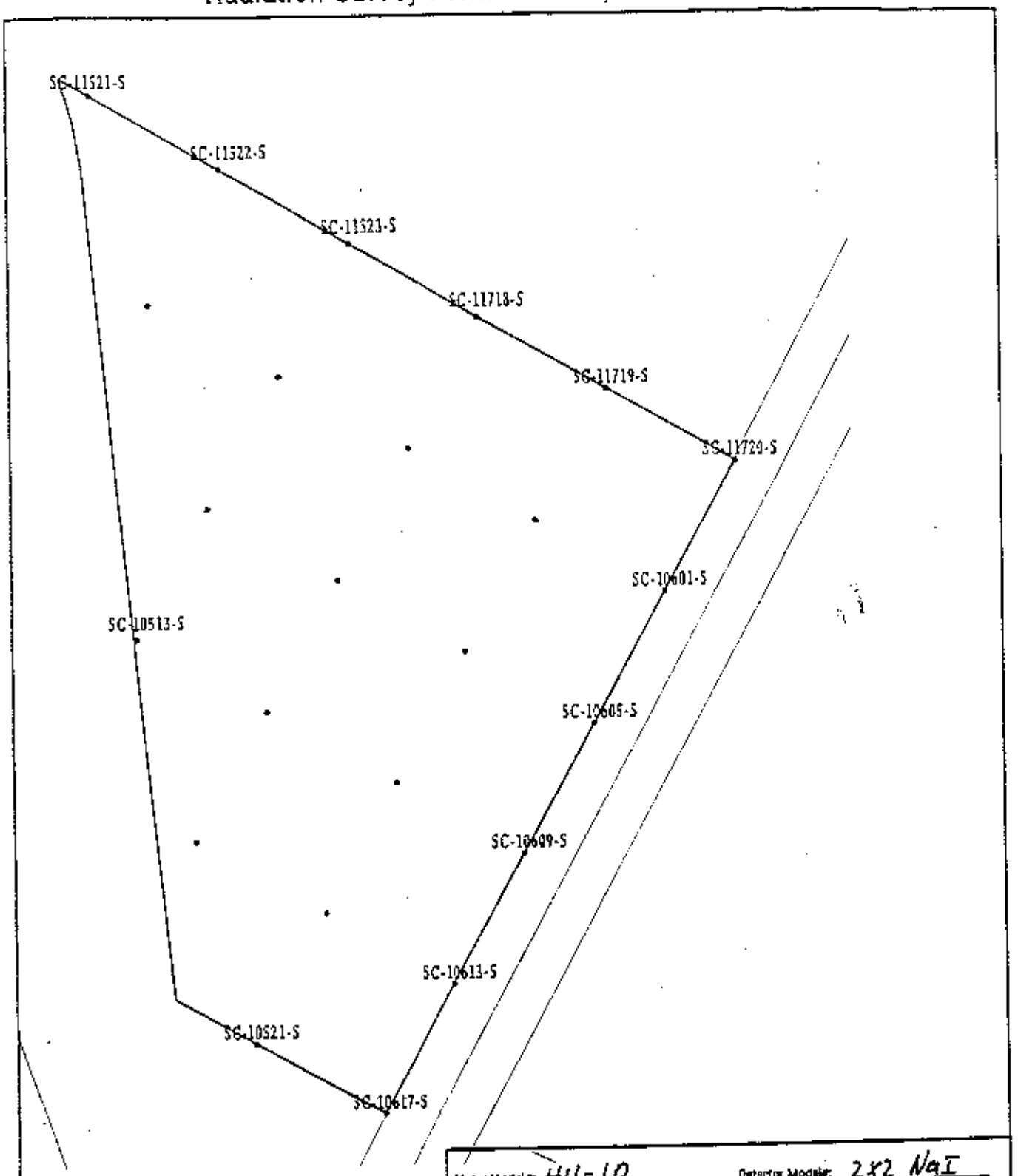
Detector Serial#: 4240-F / 3546-D

Calibration Due: 6-12-97 / 4-3-97

Field Bkg.: 10,500 / 11,000 cpm

Comments: The above area was surveyed and found to be less than 1.5 times background.

Radiation Survey Form WP 420, RU009CU105



N

10 5 0 METERS

30 15 0 FEET

Meter Model#: 44-10 Detector Model#: 2X2 NaI

Meter Serial#: 127252 Detector Serial#: 122608-I

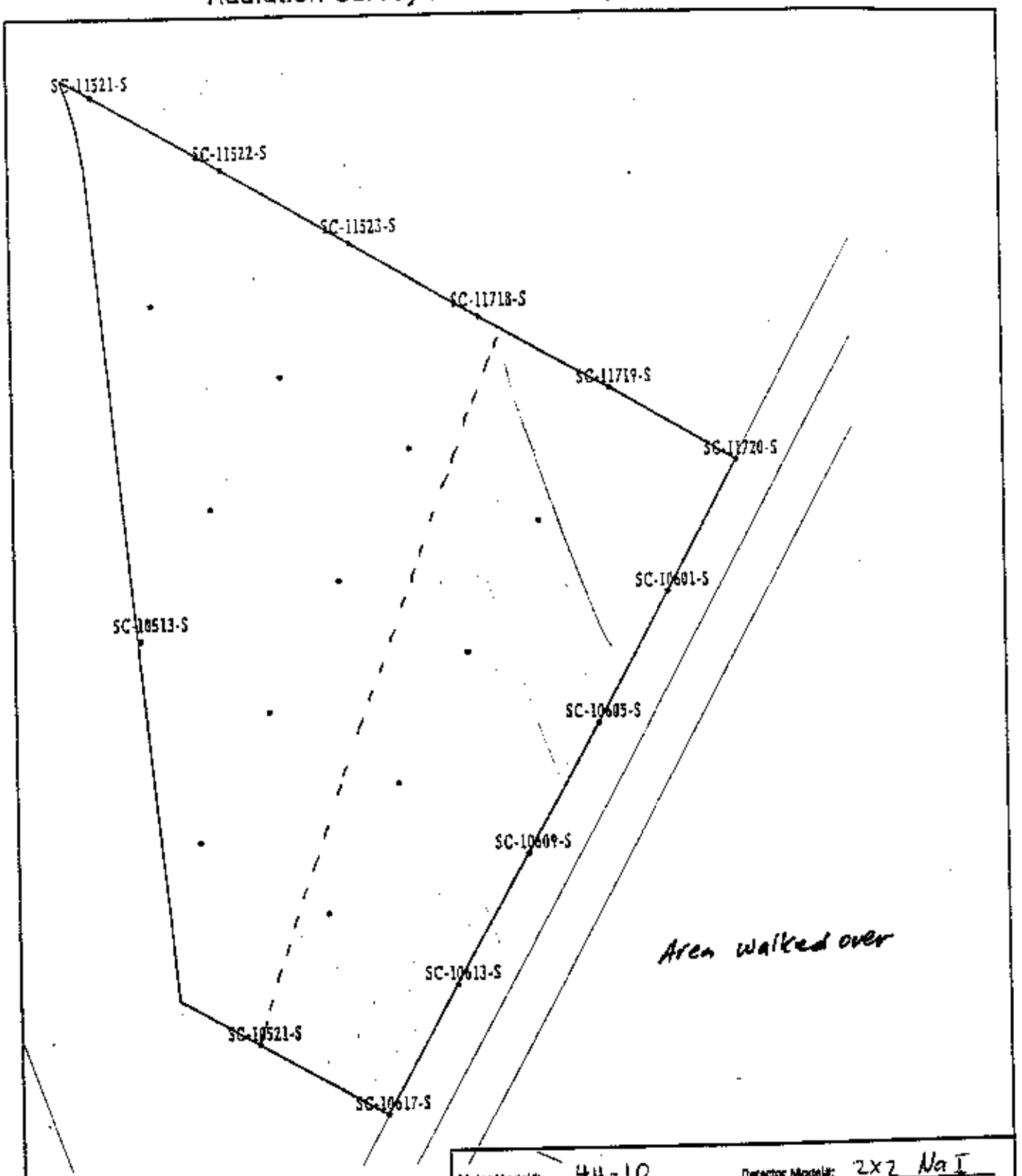
Calibration Due: 3-6-97 Calibration Due: 4-3-97

Survey Date/Time: 1-21-97 (0800-1800) Field Bkg.: 10000 CPM

Surveyor(s): L. Hagoss

Comments: The area Indicated above was Surveyed and has been found to be twice the back-ground. Soil Sample taken and confirmed clean. Sample okd by

Radiation Survey Form WP 420, RU009CU105



N

S

10 5 0 METERS

30 15 0 FEET

Meter Model#: 44-10 Detector Model#: 2x2 NaI

Meter Serial#: 127252 Detector Serial#: 122608-I

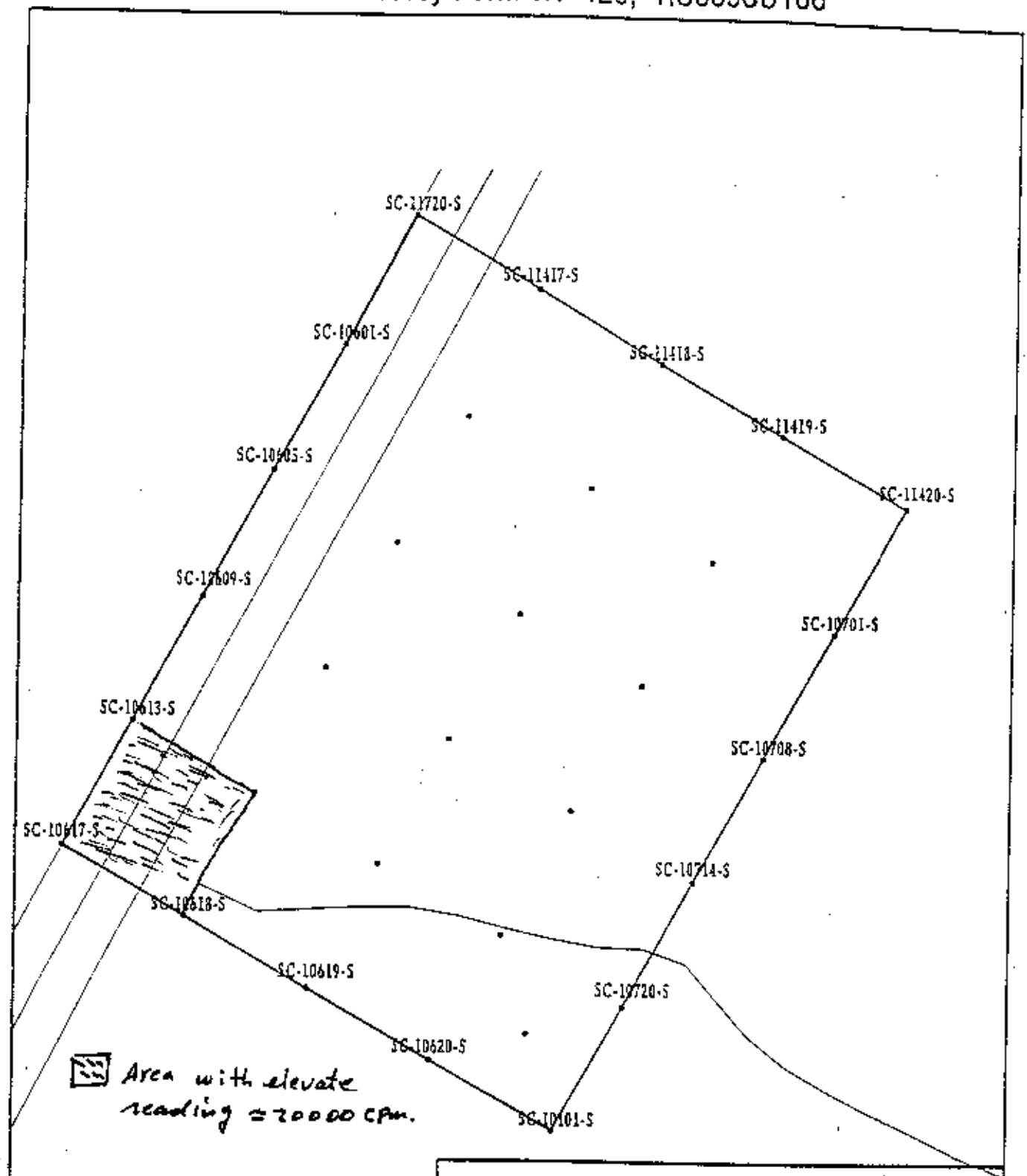
Calibration Due: 3-6-97 Calibration Due: 4-3-97

Survey Date/Time: 1/14/97 (1400-1500) Field Bkg.: 10000 cpm

Surveyor(s): L. Hagoss

Comments: The area indicated above was twice the back-ground. Soil Sample taken and Confirmed Clean. Sample

Radiation Survey Form WP 420, RU009CU106



10 5 0 METERS

30 15 0 FEET

Meter Model#: 44-10

Meter Serial#: 81330 / 25433

Calibration Due: 7-15-97 / 2-7-97

Detector Model#: 2X2 NaI

Detector Serial#: 130763-L / 122608-I

Calibration Due: 6-19-97 / 4-3-97

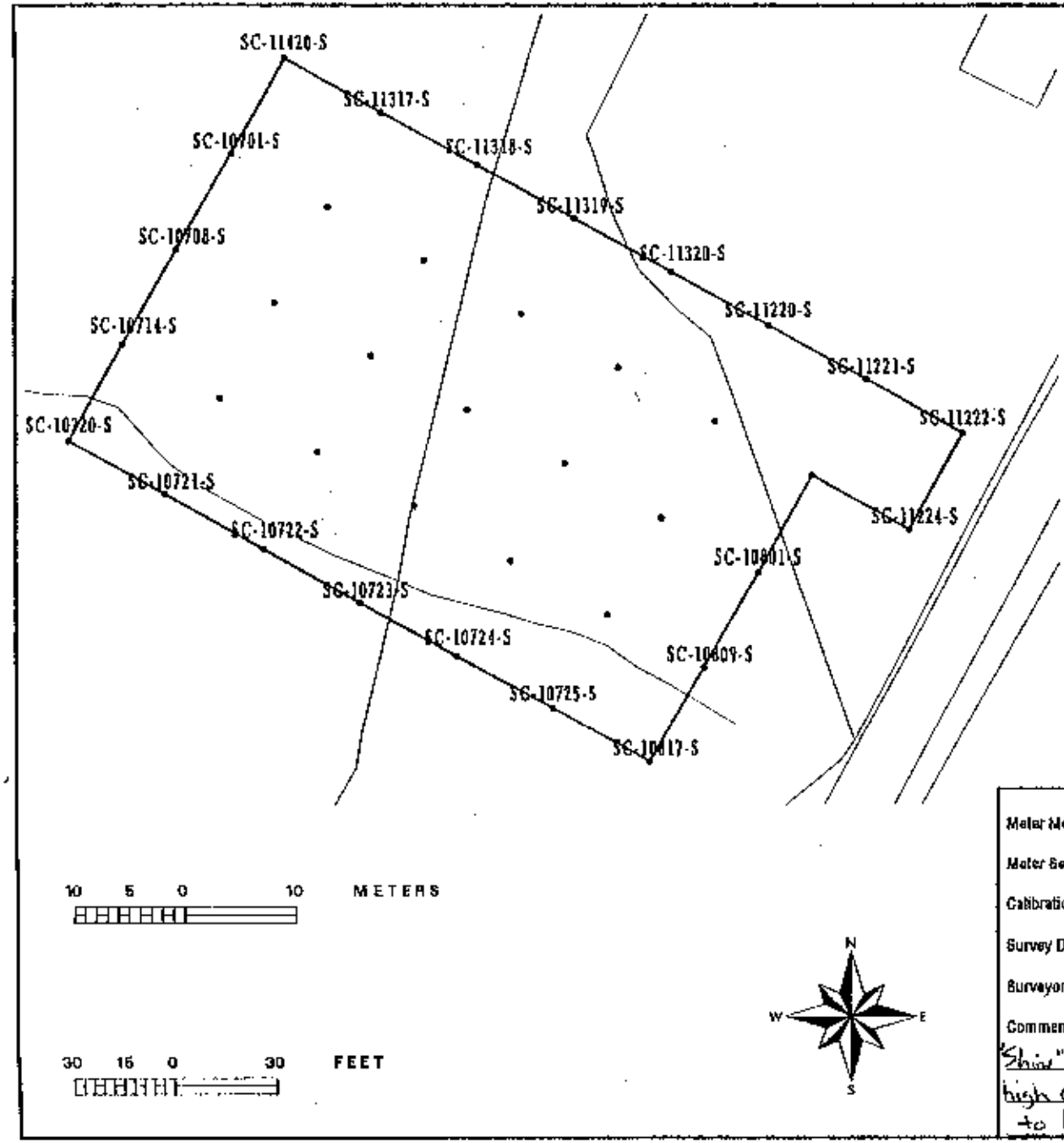
Survey Date/Time: 2-1-97 (1300-1600)

Field Bkg.: 10000 CPm

Surveyor(s): J. Eugate & L. Hagoss

Comments: The above area was Surveyed and found to be less than 1.5X back-ground. Small section of the area at the South-West activity detected ≈ 20000 CPm.

Radiation Survey Form WP 420, RU009CU107



Meter Model#: 44-10 Detector Model#: 2x2 Na I

Meter Serial#: ~~2172~~ JF 127252 Detector Serial#: ~~4397~~ JF (I) 122608

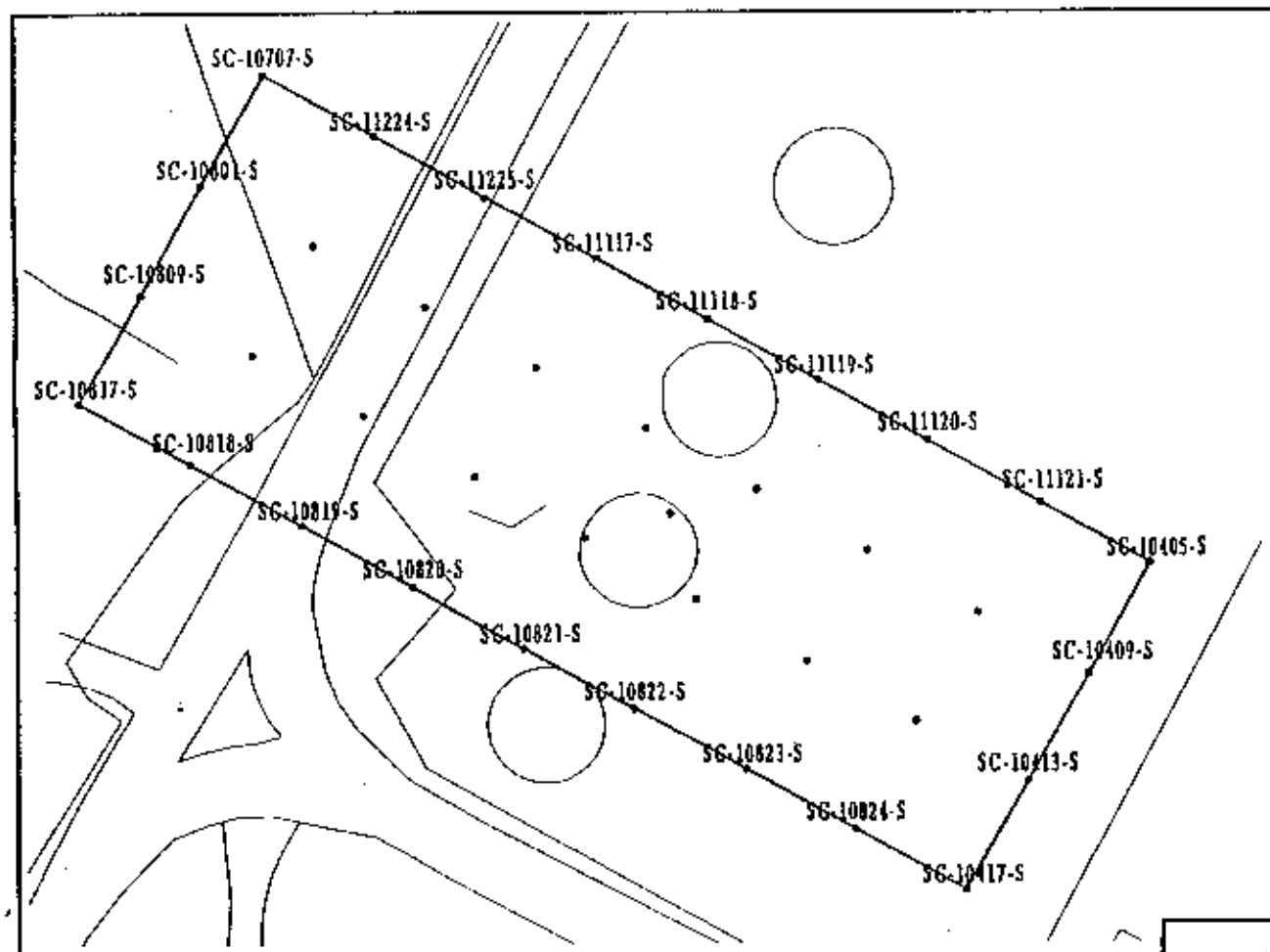
Calibration Due: 3-6-97 Calibration Due: 4-3-97

Survey Date/Time: 11-21-96 0800-1030 Field Bkg.: 10,400 Cpm

Surveyor(s): Leal Harper

Comments: The above area was >1.5 times background. "Shine" suspected due to proximity of Pit 3. Checked high count areas with a 44-9 and found them all to be less than background. Confirmed area clean.

Radiation Survey Form WP 420, RU009CU108



10 5 0 10 METERS

30 15 0 30 FEET

N W E S

Meter Model#: 44-10 Detector Model#: 2X2 NaI

Meter Serial#: 127752 Detector Serial#: 122608 I

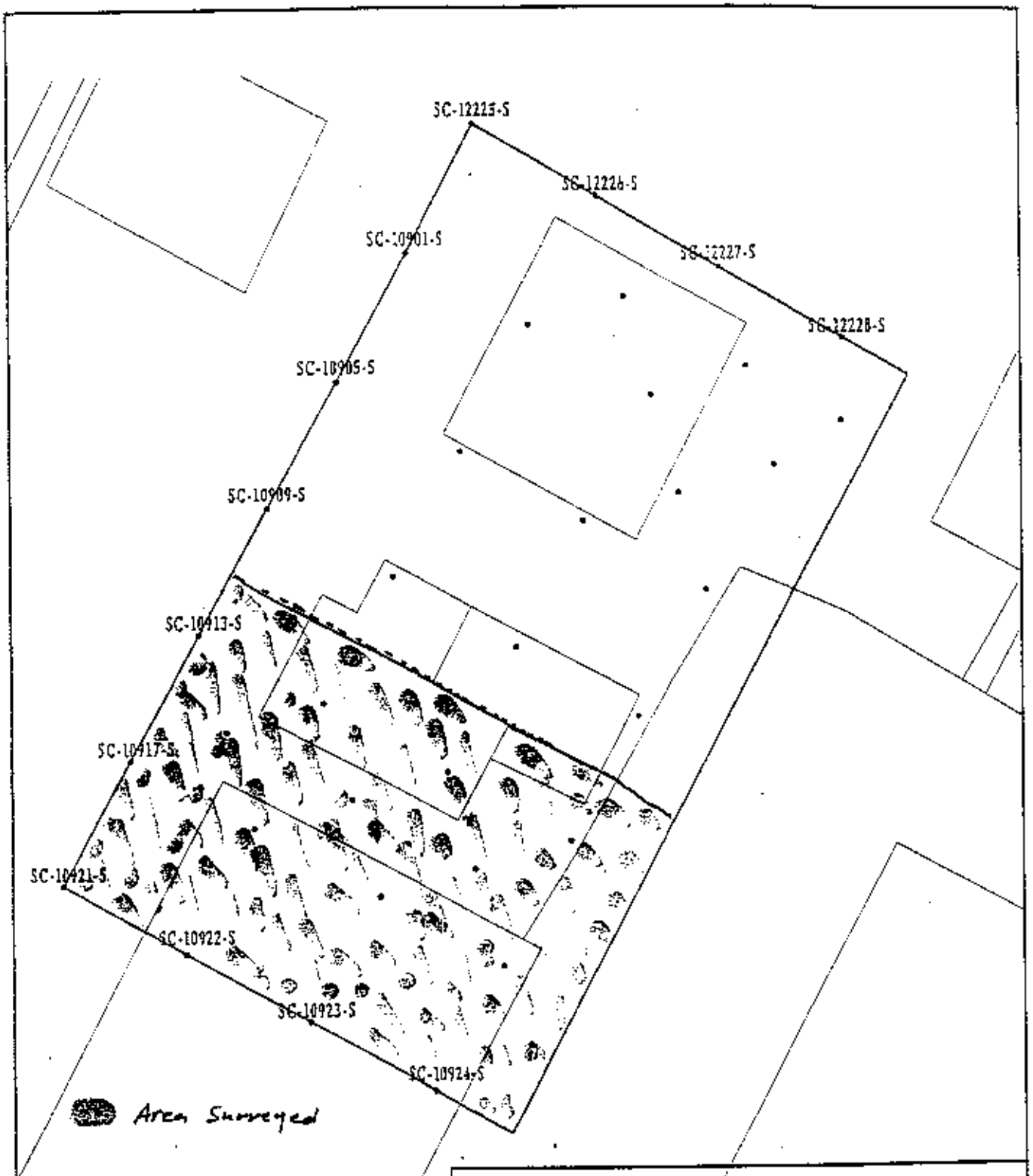
Calibration Due: 3-6-97 Calibration Due: 4-3-97

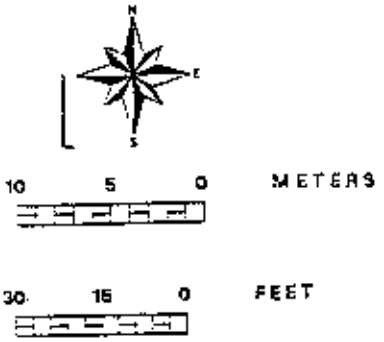
Survey Date/Time: 11-6-96 (0700-1100) Field Bkg.: 11000 cpm

Surveyor(s): L. Hagess

Comments: The above area was surveyed and it was less than 1-5 X back-ground.

Radiation Survey Form WP 420; RU009CU109





Meter Model#: 44-10 Detector Model#: 2X2 NaI

Meter Serial#: 81330 Detector Serial#: 130763 L

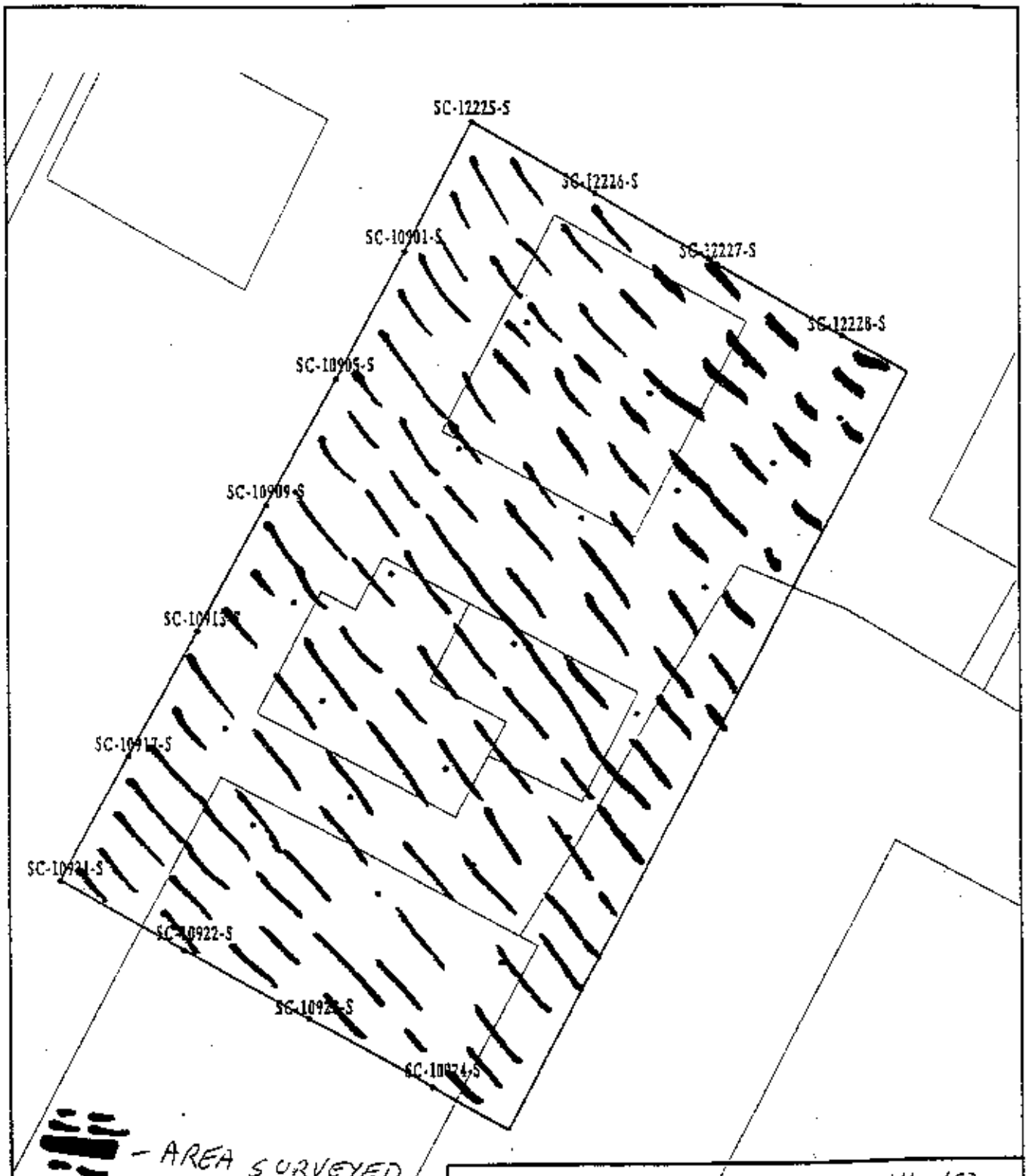
Calibration Due: 7-15-97 Calibration Due: 6-19-97

Survey Date/Time: 11-12-96 (1300-1500) Field Bkg.: 9500 CPM

Surveyor(s): L. Hagess

Comments: The area shown above surveyed and found to be less than 1.5X back ground of the instrument.

Radiation Survey Form WP 420, RU009CU109



- AREA SURVEYED

10 5 0 METERS

30 15 0 FEET

Meter Model#: 2221

Meter Serial#: 4331

Calibration Due: 2-7-97

Survey Date/Time: 12-14-96/1300-1515

Detector Model#: 44-10

Detector Serial#: 4327 I

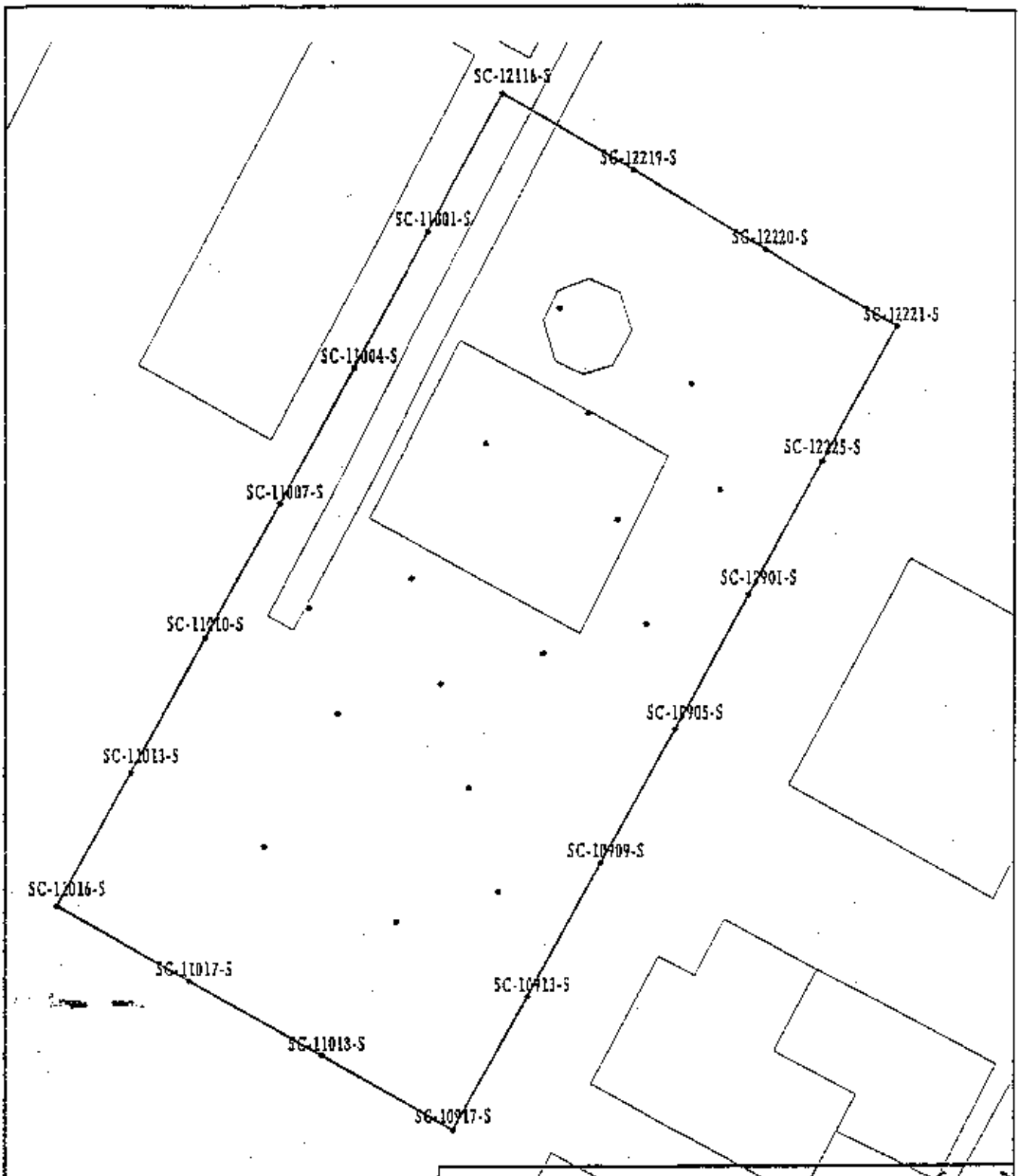
Calibration Due: 4-3-97

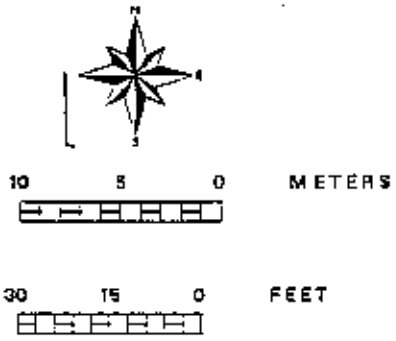
Field Bkg.: 11,000 CPM

Surveyor(s): K. HAFLEY

Comments: 100% SURVEY OF CU109 INCLUDING SLOPES + "HOLES". FOUND TO BE < 1.5 X BACKGROUND OF SURVEY INSTRUMENT

Radiation Survey Form WP 420, RU009CU110





Meter Model#: 2221

Detector Model#: 44-10 (2x2 NaI)

Meter Serial#: 4331

Detector Serial#: 4327 I

Calibration Due: 2-7-97

Calibration Due: 4-3-97

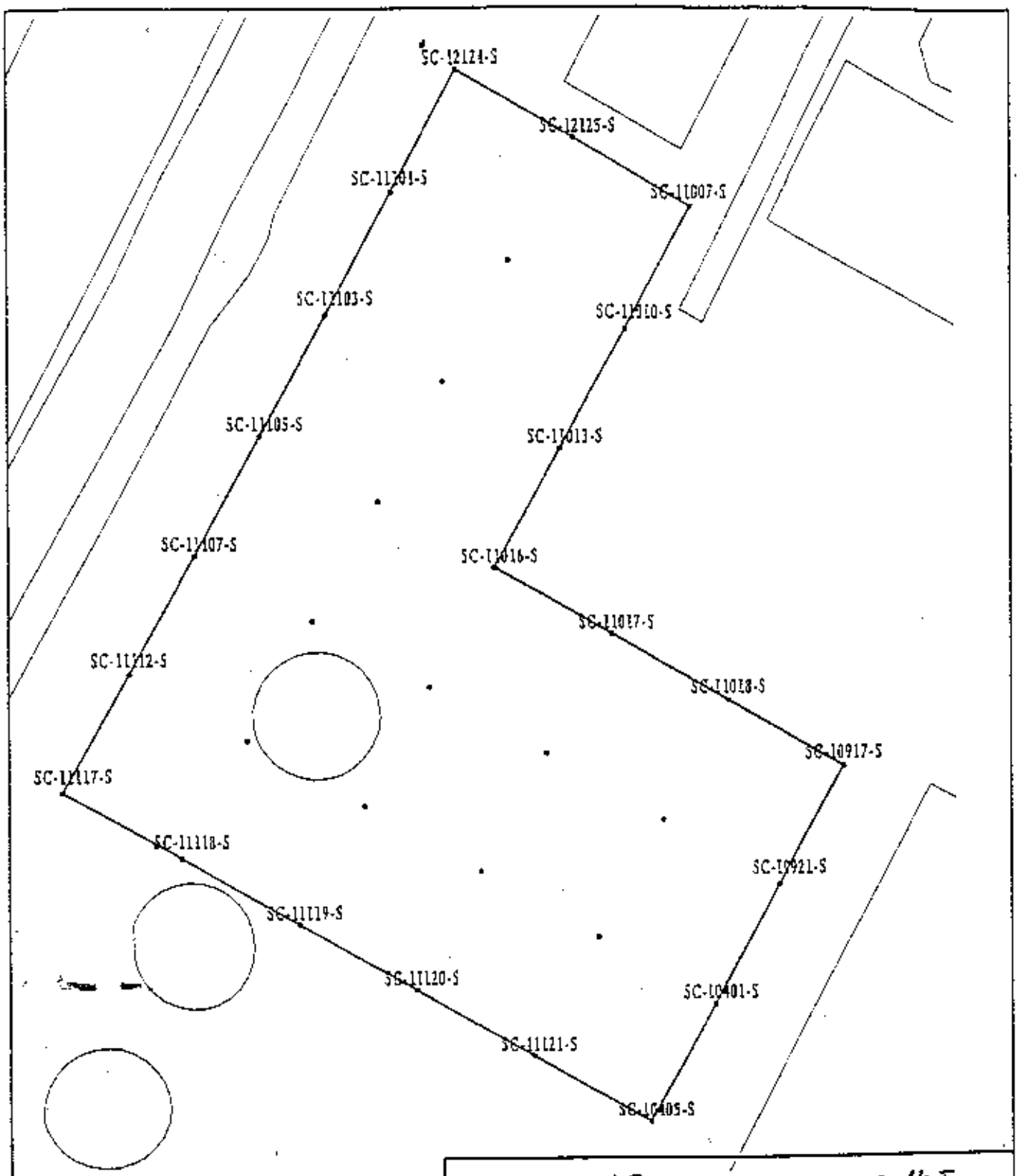
Survey Date/Time: 10-16-96 1230-1345

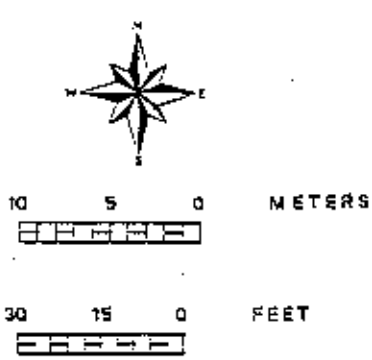
Field Bkg.: 10,200 cpm

Surveyor(s): T. Butzlaff

Comments: The above area was surveyed and found to be less than 1.5 times background.

Radiation Survey Form WP 420, RU009CU111





Meter Model#: 44-10

Detector Model#: 2x2 NaI

Meter Serial#: 127252

Detector Serial#: 122608 I

Calibration Due: 3-6-97

Calibration Due: 4-3-97

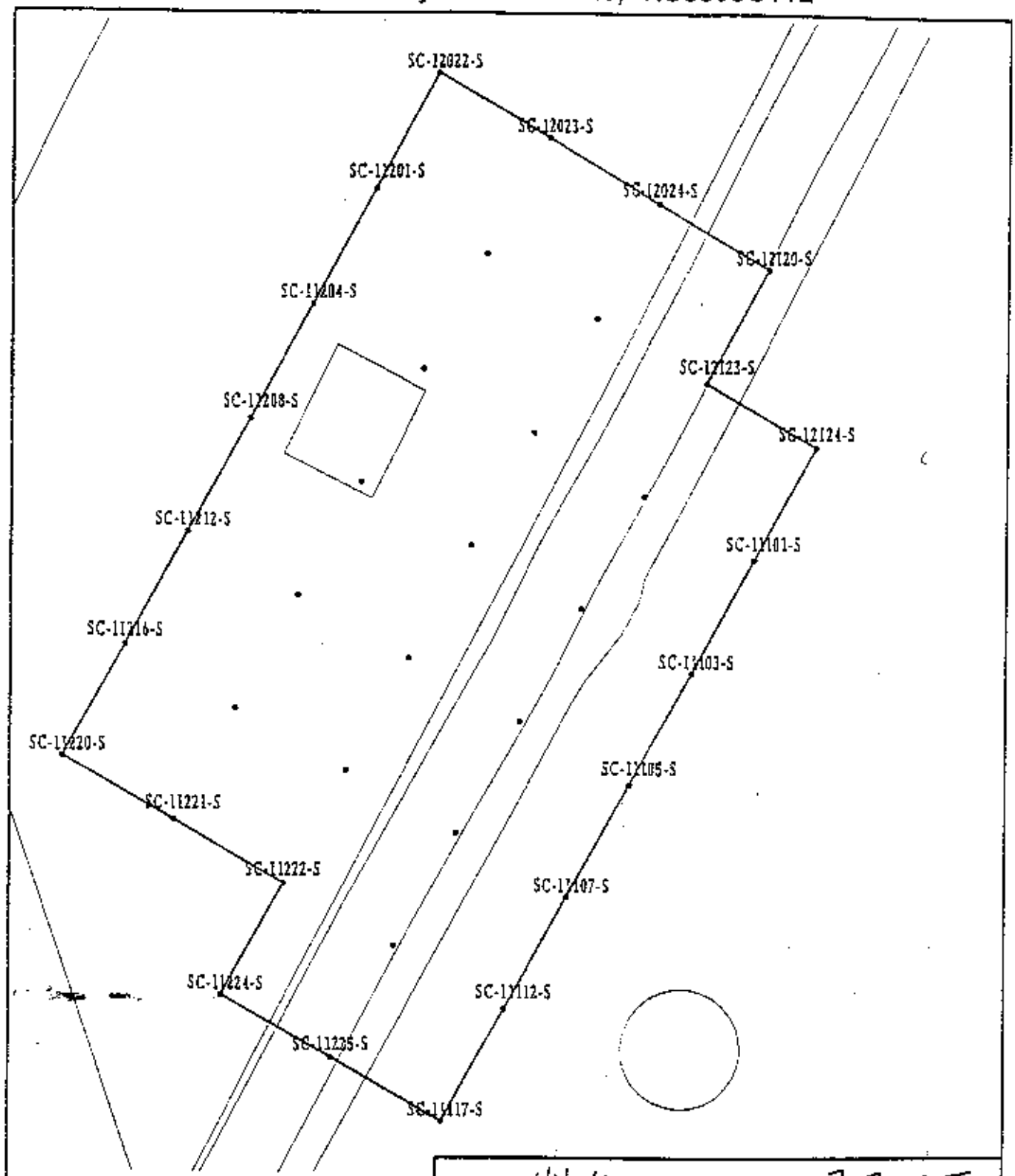
Survey Date/Time: 12-11-96 (0800-1100)

Field Bkg.: 10 500 CPM

Surveyor(s): L. Hagoss

Comments: The above area was surveyed and found to be less than 1.5 X back ground.

Radiation Survey Form WP 420, RU009CU112



10 5 0 METERS

30 15 0 FEET

Meter Model#: 44-10 Detector Model#: 2x2 NaI

Meter Serial#: 127252 Detector Serial#: 122408 I

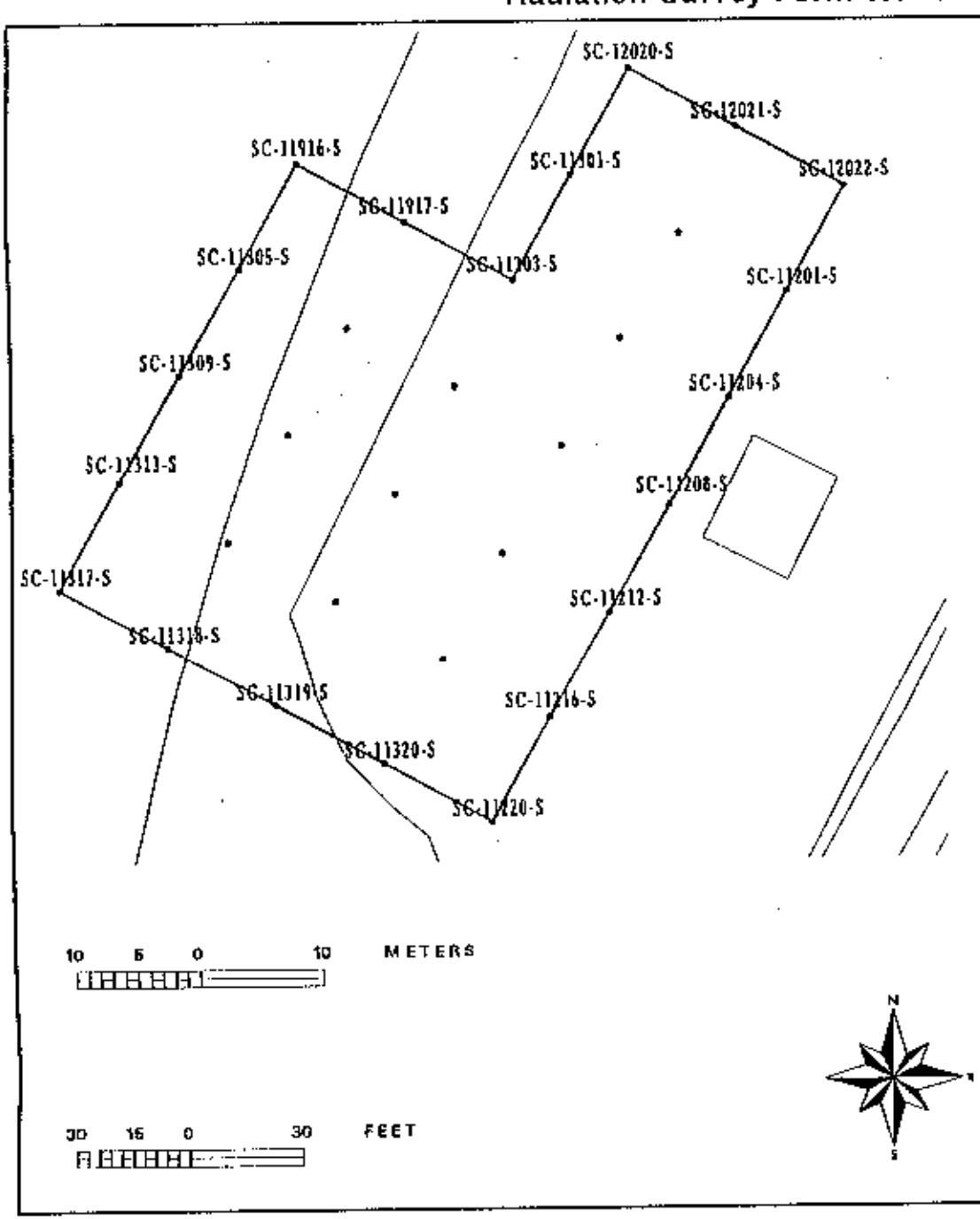
Calibration Due: 3-6-97 Calibration Due: 4-3-97

Survey Date/Time: 12-11-96 1130-1400 Field Bkg.: 10,500 cpm

Surveyor(s): T. Butzlaff

Comments: The above area was surveyed and found to be less than 1.5 times background.

Radiation Survey Form WP 420, RU009CU113



Meter Model#: 44-10 Detector Model#: 2x2 NaI

Meter Serial#: 127257 Detector Serial#: 122608

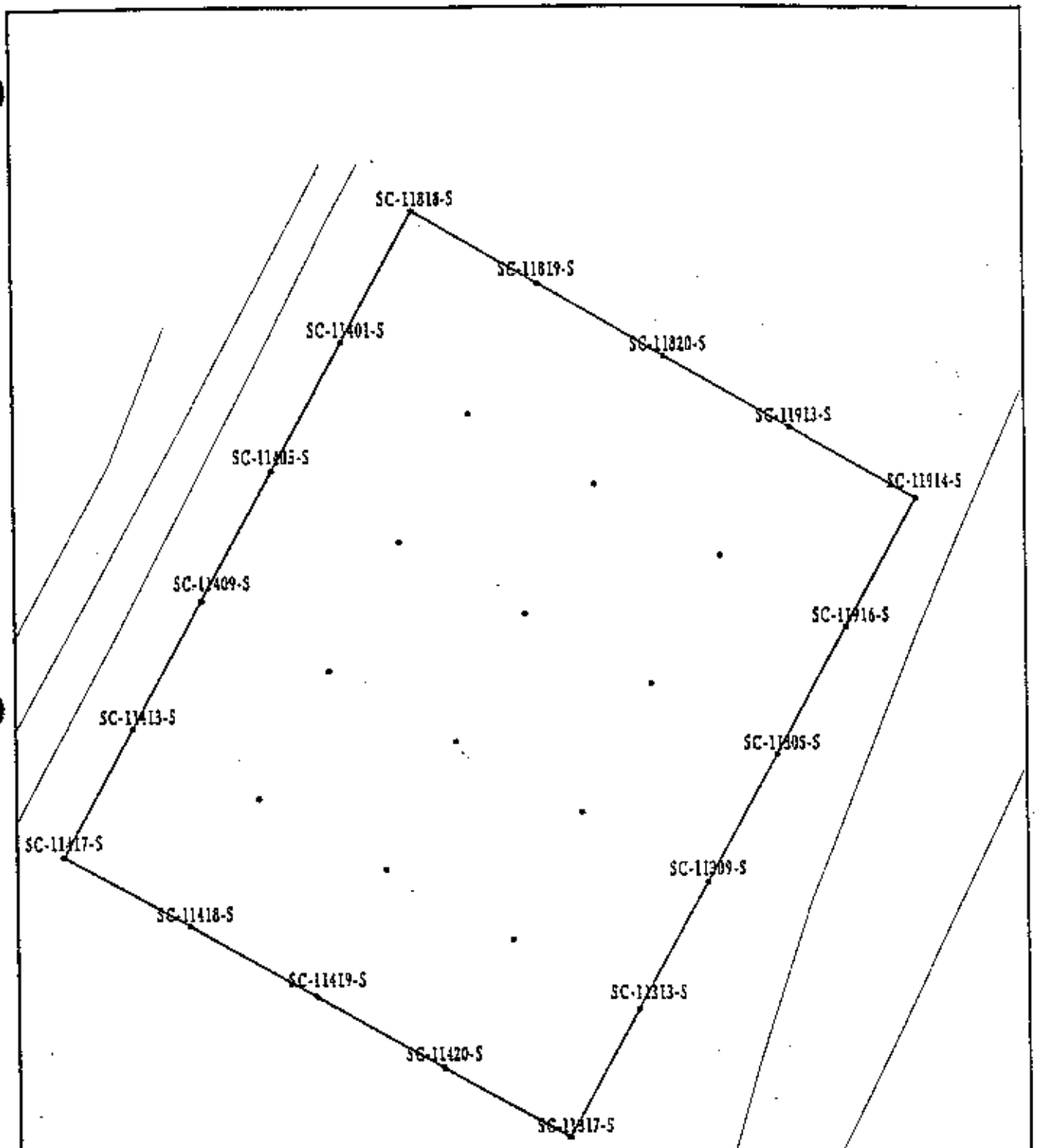
Calibration Due: 3-6-97 Calibration Due: 4-3-97

Survey Date/Time: 1-22-97 0830-1100 Field Bkg.: 10,000 cpm

Surveyor(s): T. Butzlaff

Comments: The above area was Surveyed and found to be less than 1.5 times background.

Radiation Survey Form WP 420, RU009CU114



10 5 0 METERS

30 15 0 FEET

Meter Model#: 44-10 Detector Model#: 2x2 NaI

Meter Serial#: 25433 Detector Serial#: 122608

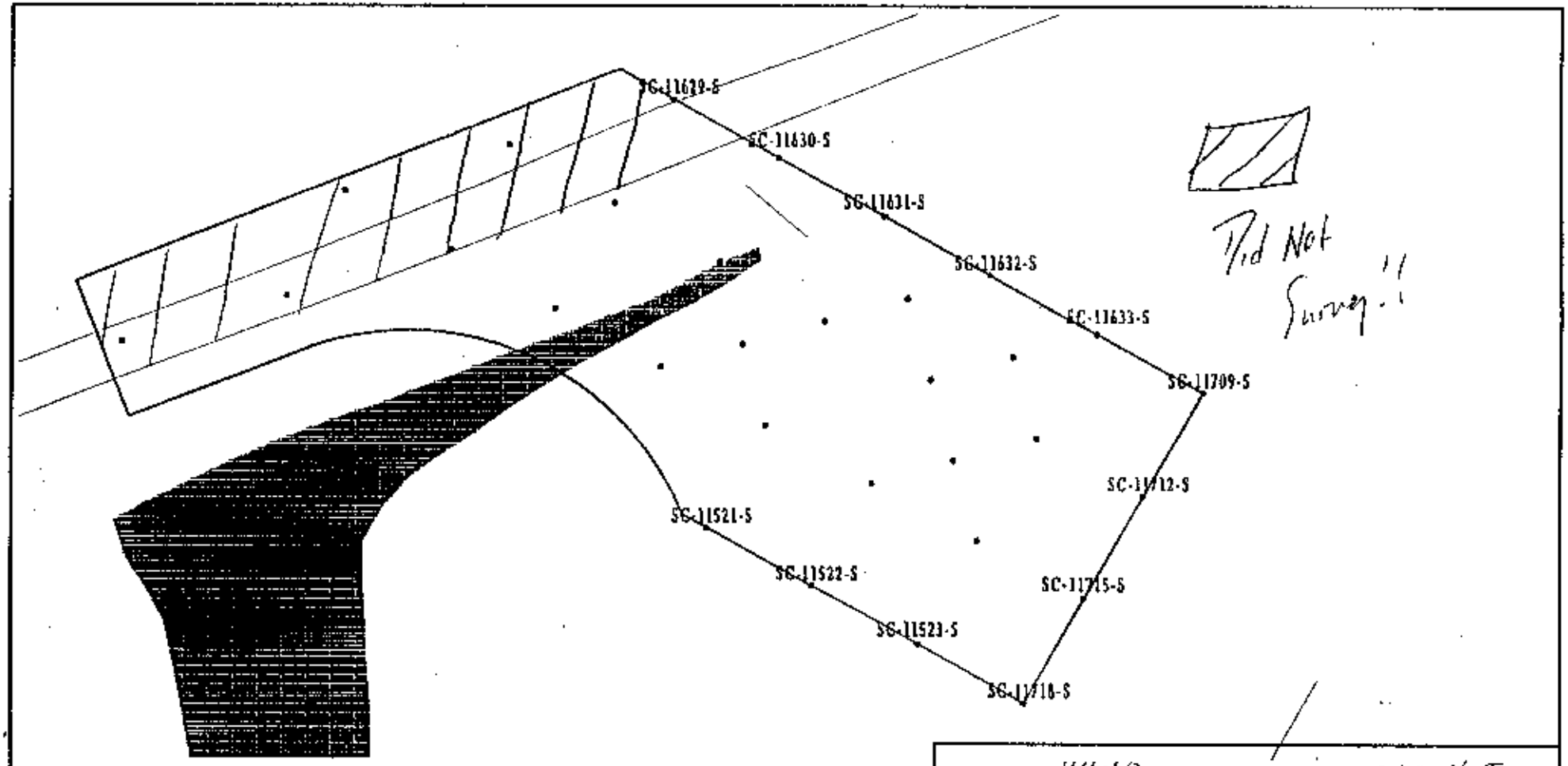
Calibration Due: 2-7-97 Calibration Due: 4-3-97

Survey Date/Time: 2-1-97 (1300-1600) Field Stg.: 10000 cpm

Surveyor(s): L. Hagoss

Comments: The above area was Surveyed and found to be less than 1.5X back ground.

Radiation Survey Form WP 420, RU009CU115



Meter Model#: 4410 Detector Model#: 2A2 NaI

Meter Serial#: 81330 Detector Serial#: 130763-L

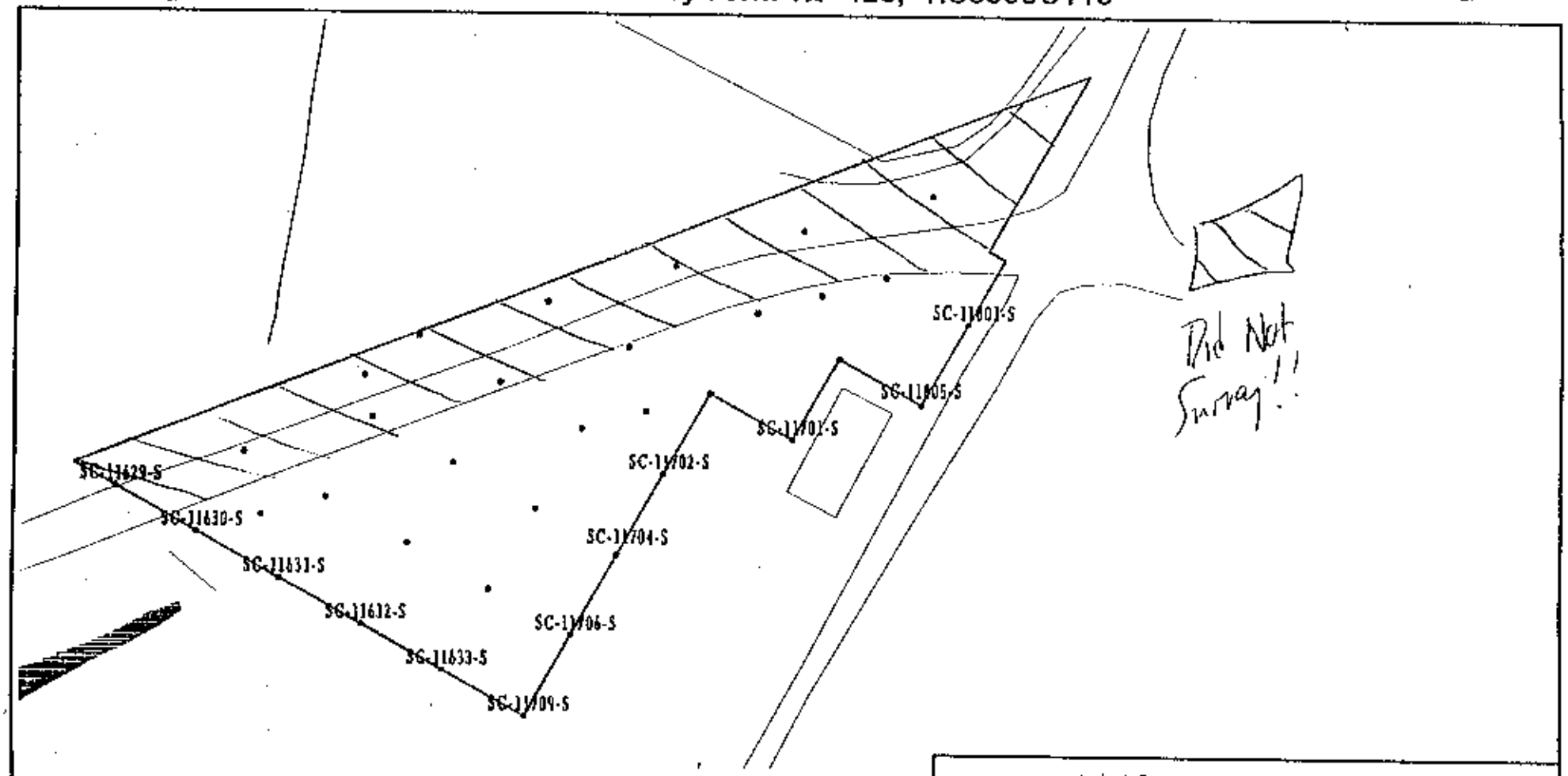
Calibration Due: 7-15-97 Calibration Due: 6-19-97

Survey Date/Time: 2-10-97 (1300 1600) Field Bkg.: 10000 cpm

Surveyor(s): L. Hagoss

Comments: At the South End of the car reading was ≈ 17800 cpm. About 90% of the car Activity was less than 1.5X back ground of the instrument.

Radiation Survey Form W[illegible]420, RU009CU116



10 5 0 10 METERS

30 15 0 30 FEET

N

S

Meter Model#: 44-10 Detector Model#: 2x2 NaI

Meter Serial#: 21330 Detector Serial#: 130763 L

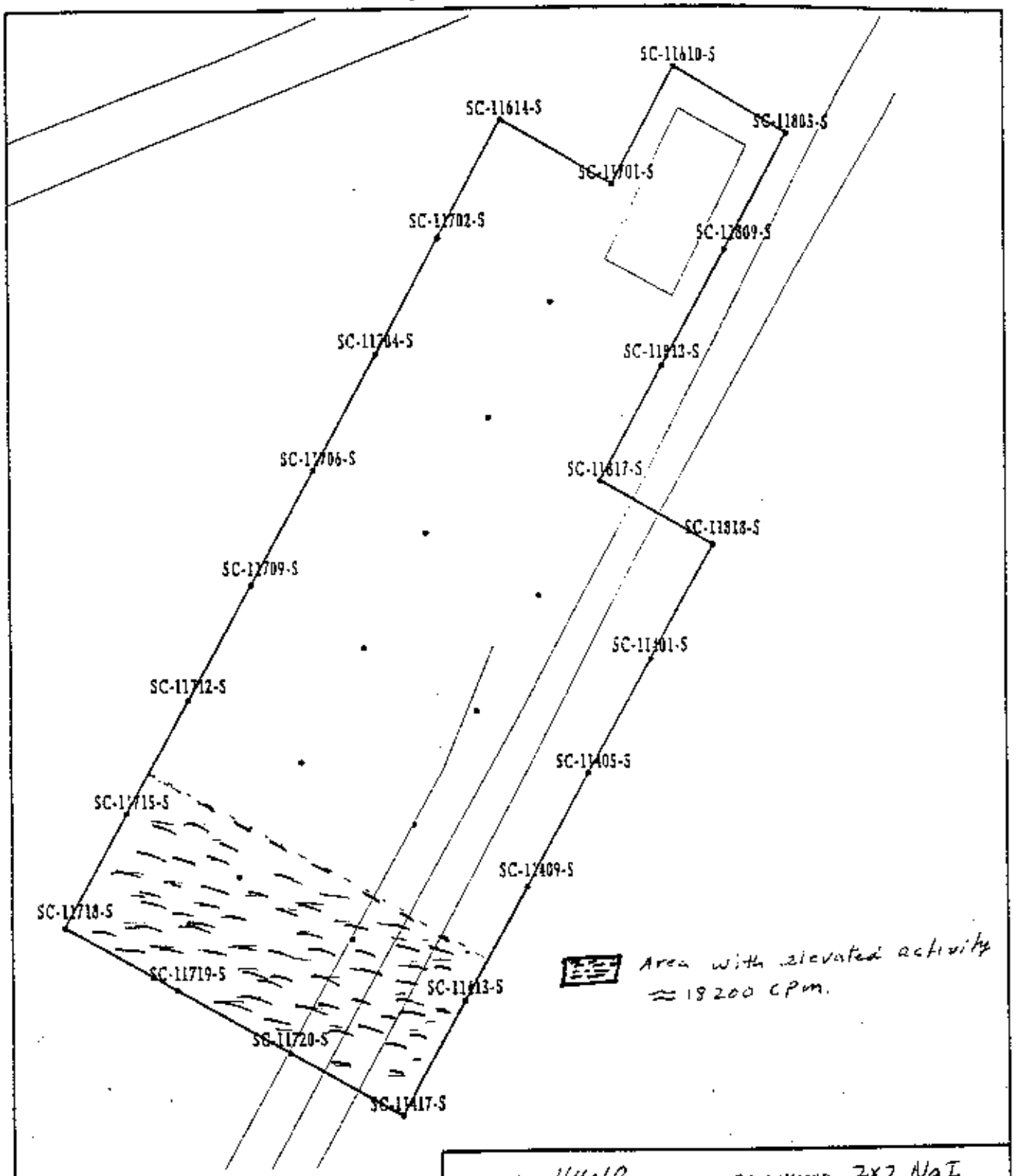
Calibration Due: 7-15-97 Calibration Due: 6-19-97

Survey Date/Time: 2-10-97 (1300-1600) Field Bkg.: 10000 cpm

Surveyor(s): L. Hagoss

Comments: At the South west of the CU activity detected ≈ 17000 cpm. About 92% of the CU area was less than 1.5X back ground of instrument

Radiation Survey Form WP 420, RU009CU117



10 5 0 METERS

30 15 0 FEET

Meter Model#: 44-10 Detector Model#: 2x2 NaI

Meter Serial#: 81330 Detector Serial#: 130763-L

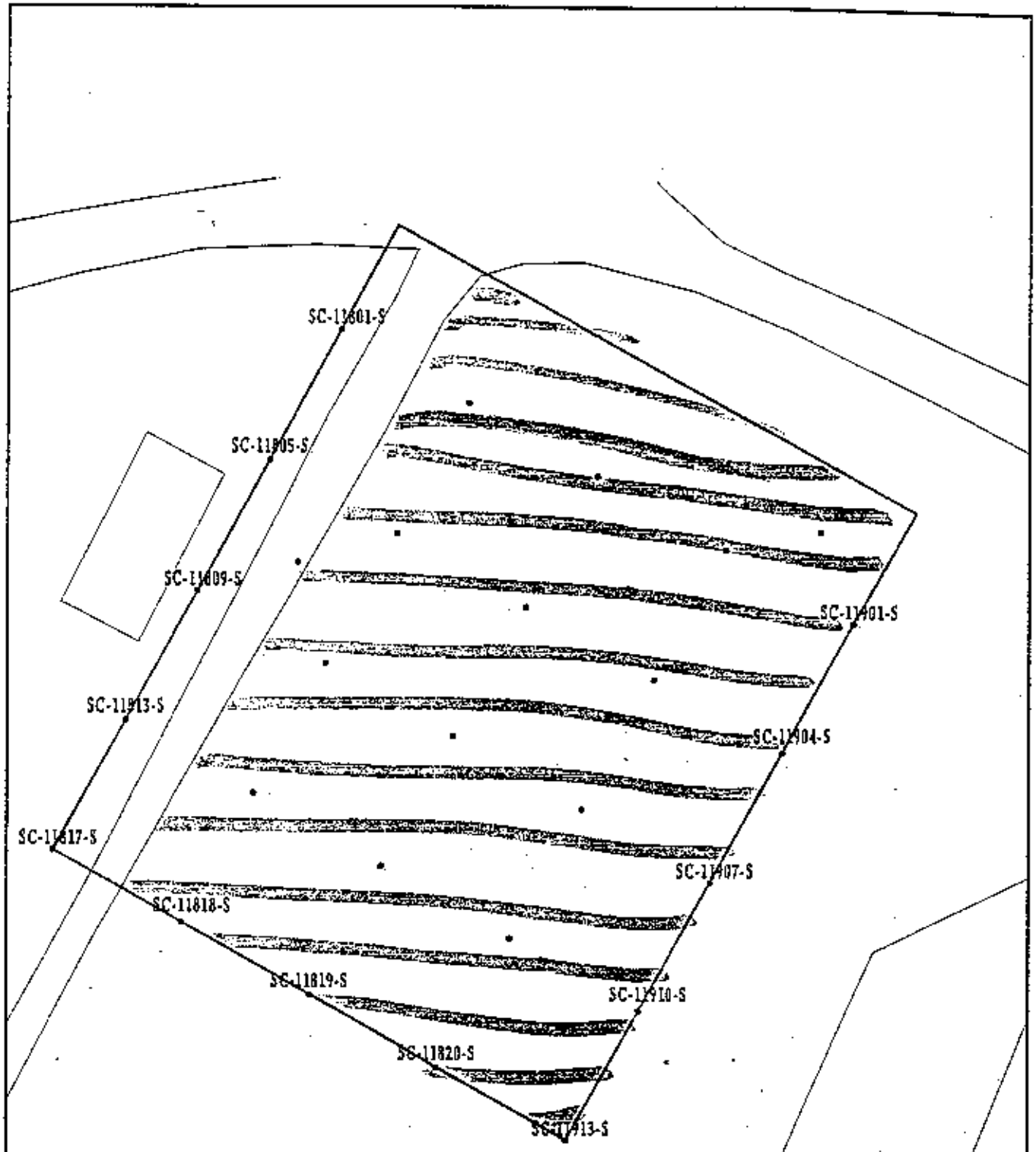
Calibration Due: 7-15-97 Calibration Due: 6-19-97

Survey Date/Time: 2-3-97 (1400-1630) Field Bkg.: 10000 CPM

Surveyor(s): L. Hagoss

Comments: Above 1.5X back-ground reading was detected at the South side of the CU. High reading is indicated above. ≈ 90% of the area is less than 1.5X back-

Radiation Survey Form WP 420, RU009CU118



10 5 0 METERS

30 15 0 FEET

Meter Model#: 2221

Meter Serial#: 1910

Calibration Due: 7-15-97

Survey Date/Time: 26-97/1430

Surveyor(s): K. HAFLEY

Detector Model#: 44-10

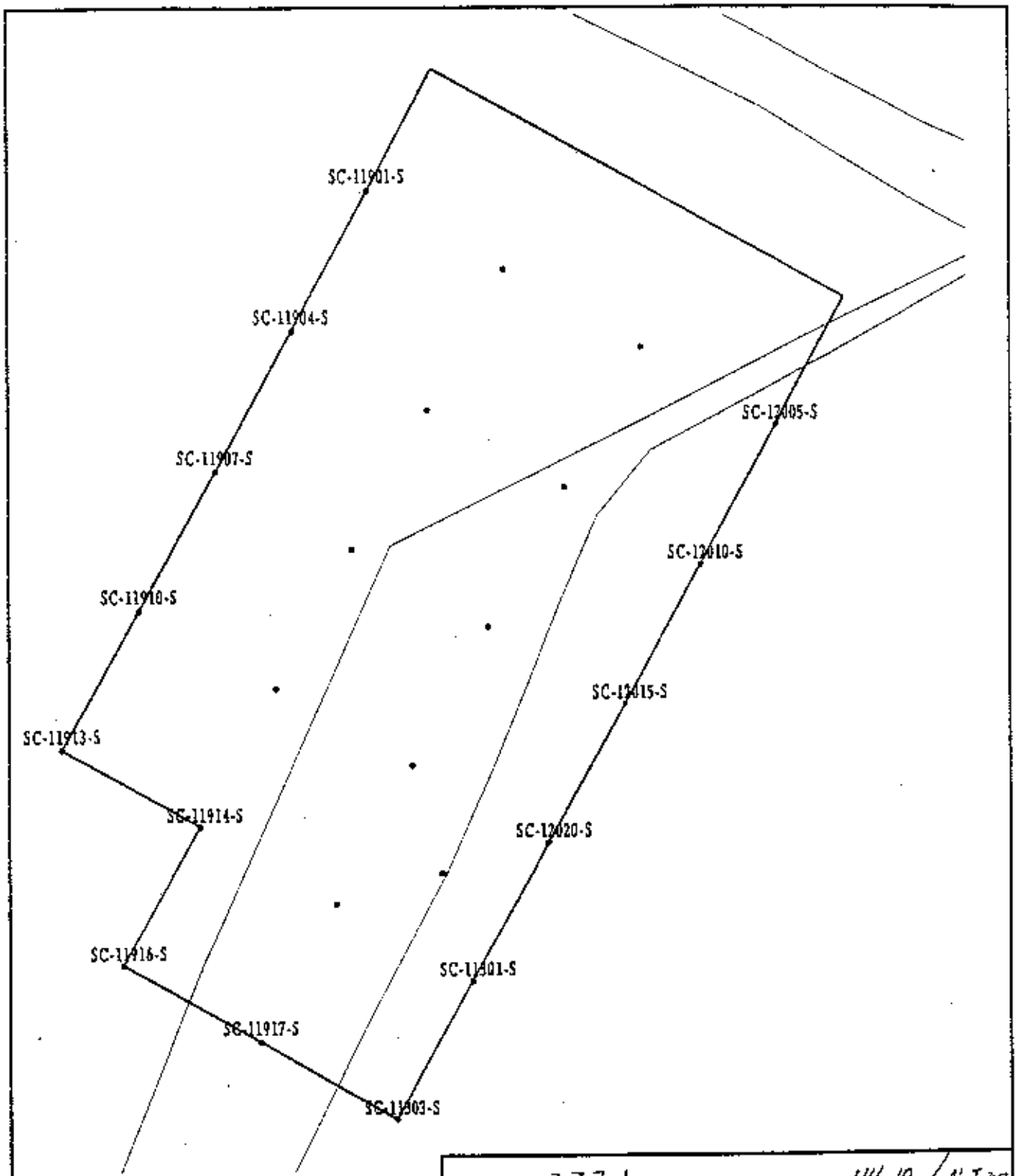
Detector Serial#: 4532

Calibration Due: 6-19-97

Field Bkg.: 9900

Comments: THE ABOVE COLORED AREA WAS SURVEYED & FOUND TO BE LESS THAN 1.5 TIMES BACKGROUND

Radiation Survey Form WP 420, RU009CU119



10 5 0 METERS

30 15 0 FEET

Meter Model#: 2221

Meter Serial#: 1910

Calibration Due: 7-15-97

Survey Date/Time: 2-6-97 / 1430

Surveyor(s): K. HAFLEY

Detector Model#: 44-10 / NaI(Tl)

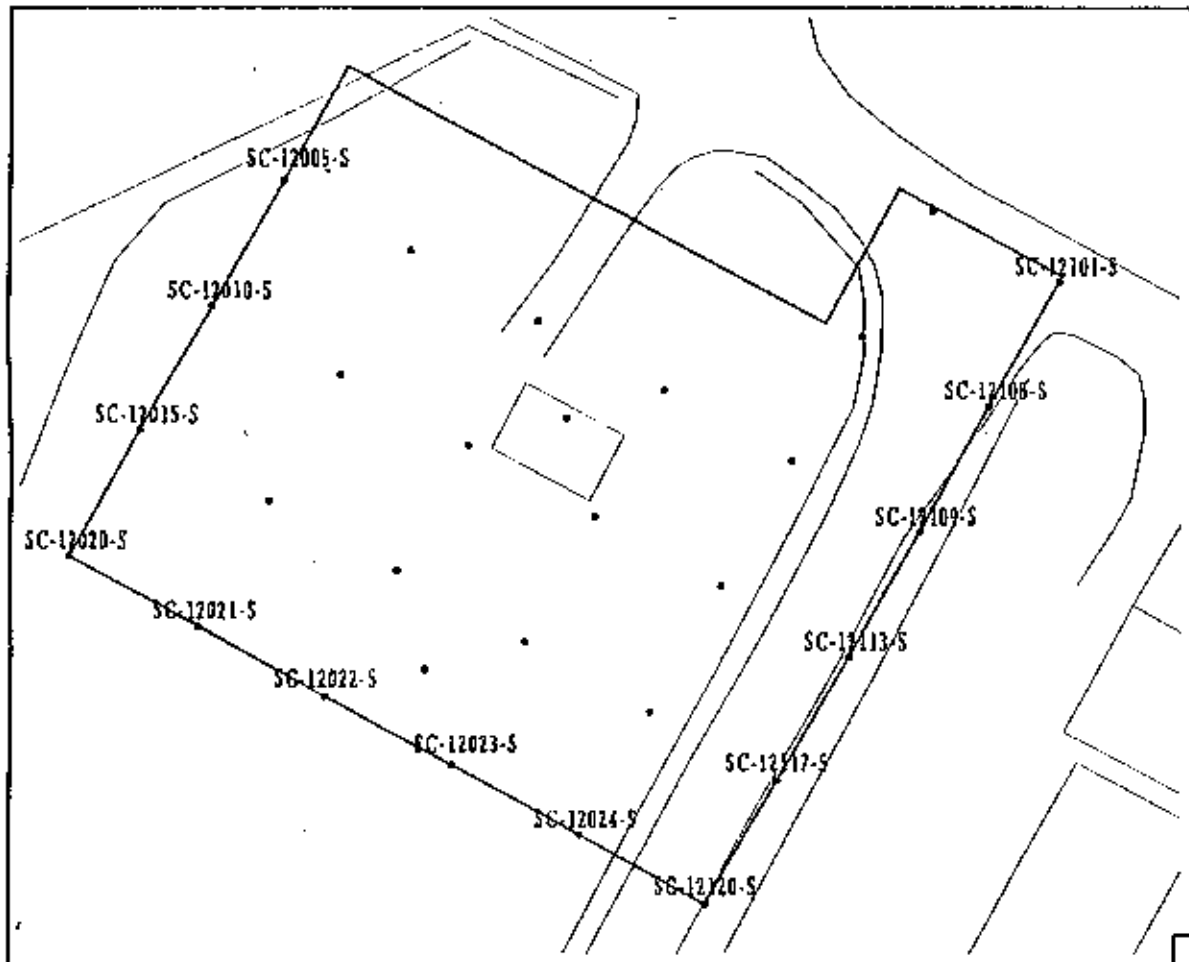
Detector Serial#: 9532

Calibration Due: 6-19-97

Field Bkg.: 10,100

Comments: THE ABOVE AREA WAS SURVEYED & FOUND TO BE LESS THAN 1.5 TIMES BACKGROUND

Radiation Survey Form WP 420, RU009CU120



10 5 0 10 METERS

30 15 0 30 FEET

N E S

Meter Model#: 44-10 Detector Model#: 2x2 NaI

Meter Serial#: 127252 Detector Serial#: 1226056-I

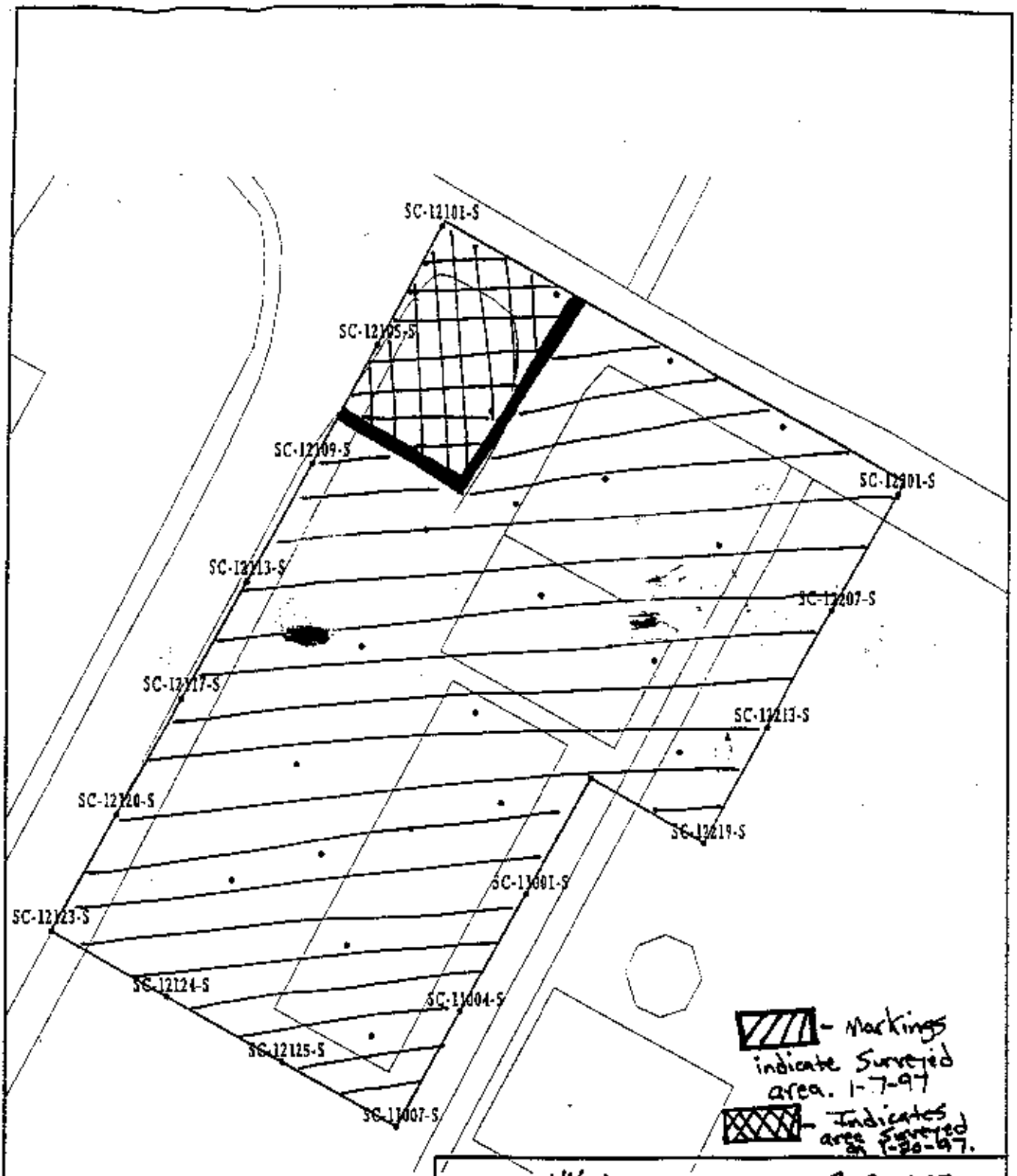
Calibration Due: 3-6-97 Calibration Due: 4-3-97

Survey Date/Time: 1-7-97 1300-1530 Field Bkg.: 10,500 cpm

Surveyor(s): T. Butzlaff

Comments: The above area was Surveyed and found to be less than 1.5 times background.

Radiation Survey Form WP 420, RU009CU121



10 5 0 METERS

30 15 0 FEET

Meter Model#: 44-10

Meter Serial#: 127252

Calibration Due: 3-6-97

Detector Model#: 2x2 NaI

Detector Serial#: 122608-I

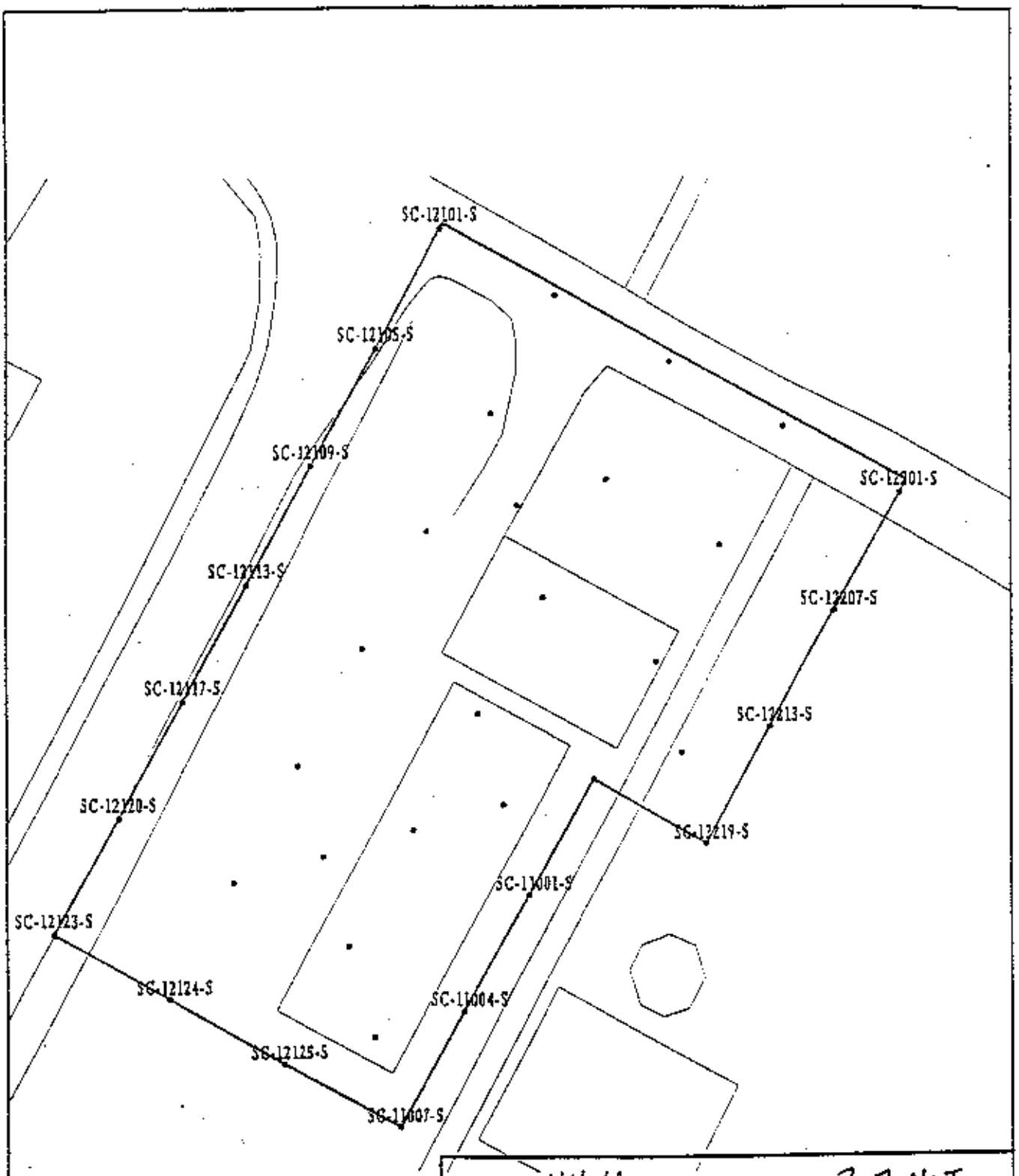
Calibration Due: 4-3-97

Survey Date/Time: 1-7-97 0800-1080 Field Bkg.: 10,000 cpm

Surveyor(s): T. Butzleff

Comments: The above marked area was Surveyed and found to be less than 1.5 times background.

Radiation Survey Form WP 420, RU009CU121



10 5 0 METERS

30 15 0 FEET

Meter Model#: 44-10

Meter Serial#: 127252

Calibration Due: 3-6-97

Survey Date/Time: 1-20-97 0745-0915

Surveyor(s): T. Butzloff

Detector Model#: 2x2 NaI

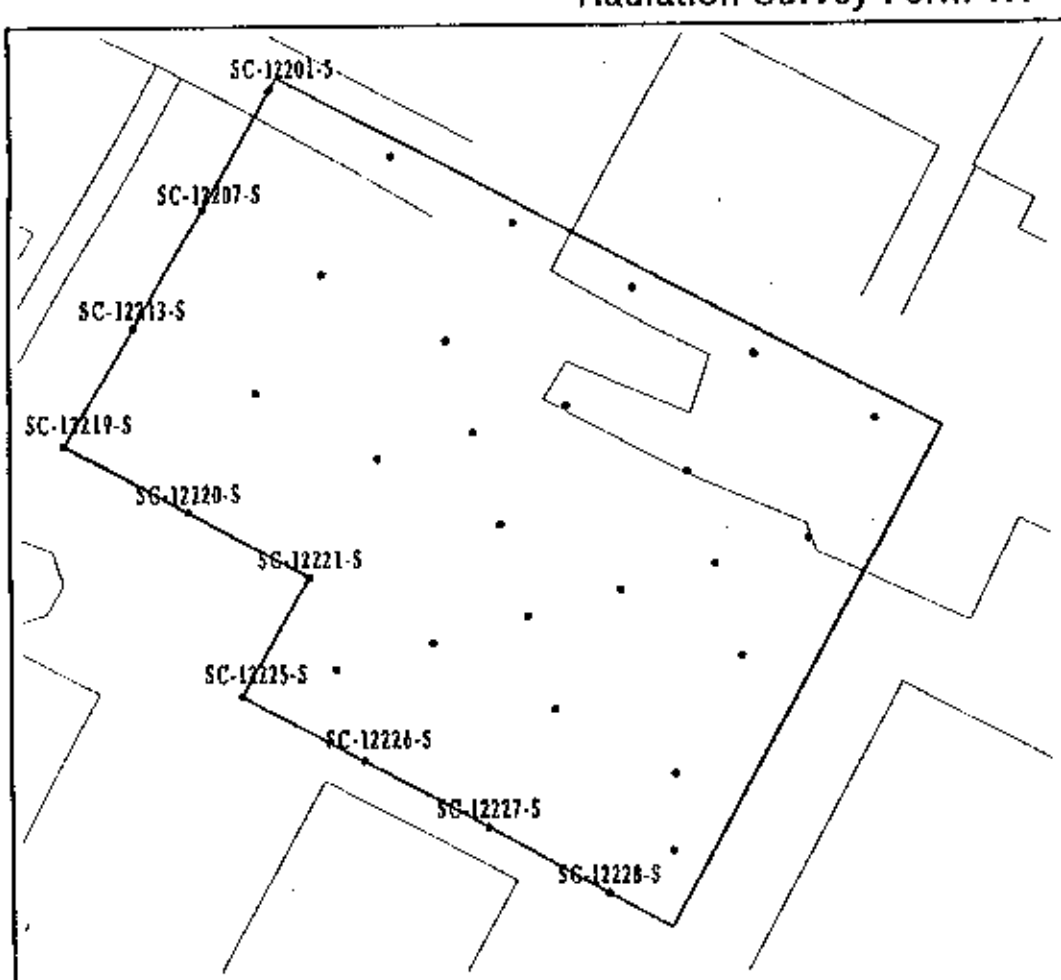
Detector Serial#: 122608-I

Calibration Due: 4-3-97

Field Bkg.: 10,500 cpm

Comments: The above area was Surveyed and found to be less than 1.5 times background.

Radiation Survey Form WP 420, RU009CU122



10 5 0 10 METERS

30 15 0 30 FEET

N
W E
S

Meter Model#: 44-10 Detector Model#: 2x2 NaI

Meter Serial#: 127252 Detector Serial#: 122608-I

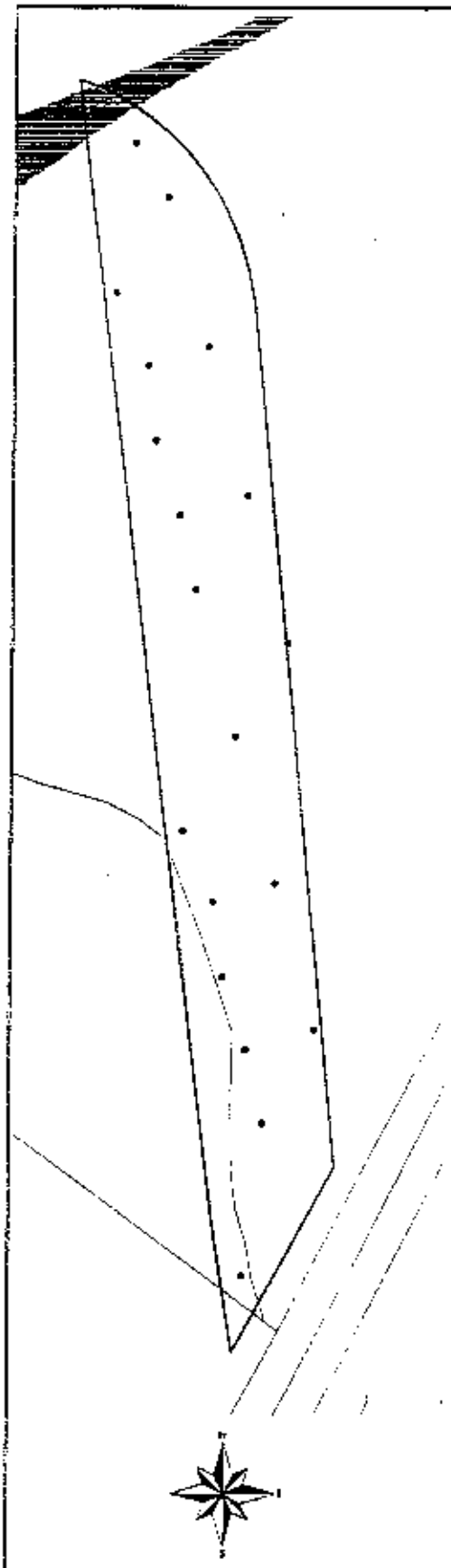
Calibration Due: 3-6-97 Calibration Due: 4-3-97

Survey Date/Time: 1-7-97 1000-1445 Field Bkg.: 10,600 cpm

Surveyor(s): T. Butzlaff

Comments: The above area was surveyed and found to be less than 1.5 times background.

Radiation Survey Form WP 420, RU009CU142



10 5 0 METERS

30 15 0 FEET

Shine from Raft
Pits suspected. Samples
taken from Zone 5 Surveyed
@ CRE. BKGD Readings
on Samples.
2/13/97

Meter Model#: 44-10 Detector Model#: 2x2 NaI

Meter Serial#: 81330 Detector Serial#: 130763-L

Calibration Due: 7-15-97 Calibration Due: 6-19-97

Survey Date/Time: 2-12-97 (1400-1600) Field Bkg.: 9800 CPM

Surveyor(s): L. Hagoss

Comments: The above area indicated was surveyed and found to be greater than twice the back-ground of the instrument.

APPENDIX C
Disposition Forms

Weldon Spring Site Remedial Action Project
7295 Highway 94 South, St. Charles, Missouri, 63304

ES&H 1.2.1.1, Rev. 1, 03/96

SOIL CONFIRMATION REMEDIATION DISPOSITION FORM

SECTION I

1. Work Package Number: WP420 2. Date: 11/18/96 3. Review Form #: 96-093

4. Remediation Unit Number: RU009 5. Confirmation Unit Number: CU094 (map attached)

6. Contaminants of Concern: X U-238 ___ Th-230 ___ Th-232 ___ Ra-226 ___ Ra-228
___ TNT ___ PCB ___ PAH ___ As ___ Cr ___ Pb ___ Tl

7. Results average below ALARA goal(s)?	X Yes ___ No
8. All results below cleanup criteria?	X Yes ___ No
9. Any results greater than 3X criteria?	___ Yes X No
10. Hotspots present (less than 3X criteria)?	___ Yes X No

Parameter	Size	Concentration	Complies with Plan?
			___ Yes ___ No
N/A			___ Yes ___ No
			___ Yes ___ No
			___ Yes ___ No

11. Reviewer: Melissa M Lutz Date: 11/18/96

12. Reviewer Disposition Recommendation: X Release for Unrestricted Use (Section II)
___ Additional Excavation Required (Section IV)
___ ALARA Committee Required (Section III)

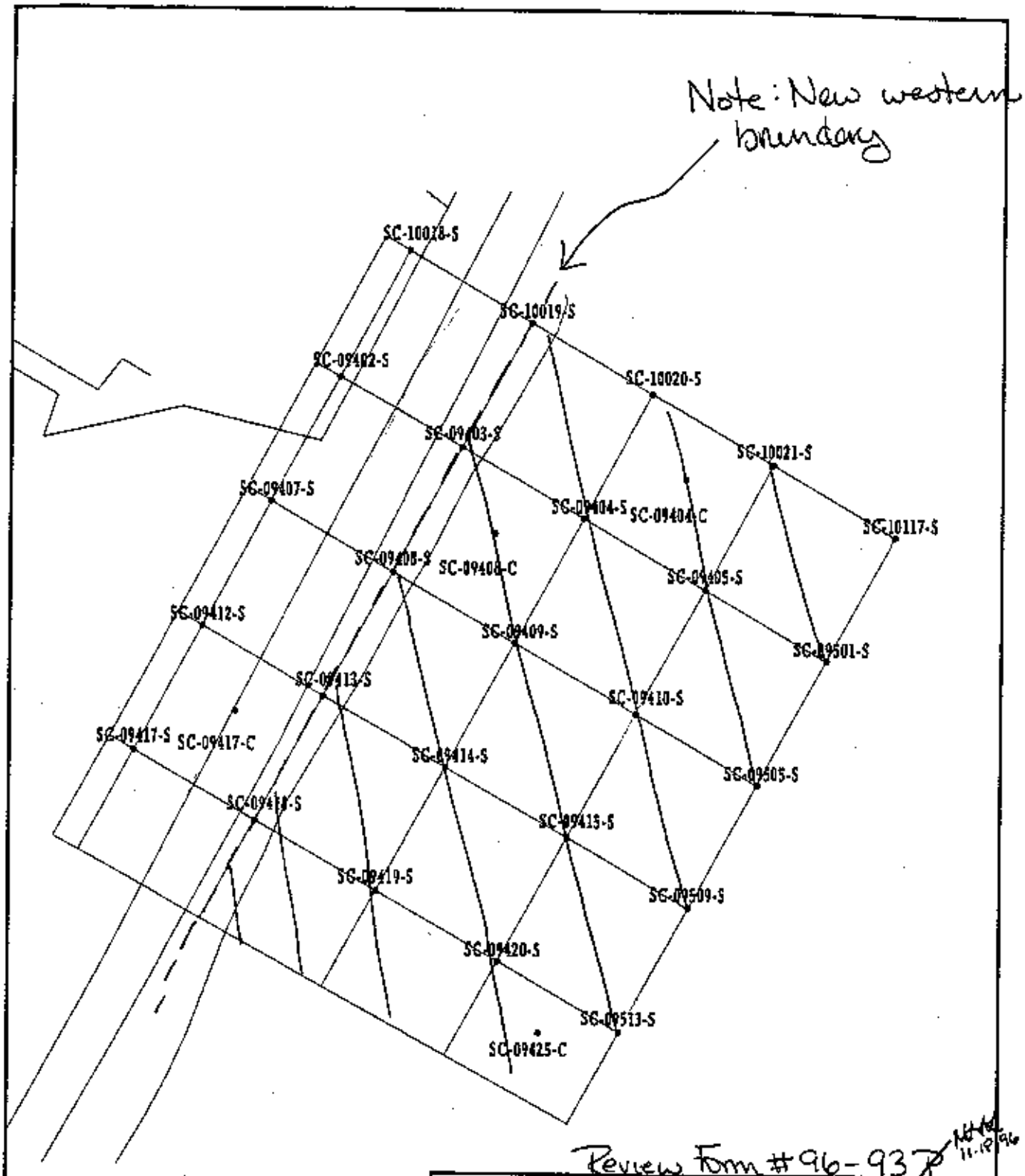
SECTION II

Results are ALARA. CU is released for unrestricted use.

14. ES&H Manager: [signature] for KAM Date: 11/18/96
15. DOE Project Manager/Engineer: [signature] Date: 11/18/96
16. Project Manager: [signature] Date: 11/18/96
17. Construction Engineer: [signature] Date: 11-18-96

SEE ATTACHED RESULTS AND MAP

Note 1: No utilities
Note 2: Note new western boundary under WP420.



Review Form #96-937 11-19-96

10 5 0 METERS

30 15 0 FEET

Sample Locations in Remedial Unit RU009
Confirmation Unit CU094

Figure B-75

EXHIBIT NO.: A/CP/157/1295		REPORT NO.: DOE/OR/21548-590	
ORIGINATOR: MGL	DRAWN BY: WSSRAP GIS	DATE: 3/96	

CU094 DATA REPORT

URANIUM-238

NUMBER OF URANIUM-238 SAMPLES IN DATABASE FOR THIS CU IS: 23

PARAMETER	LOCATION	CONC	DL	UNITS
URANIUM-238	SC-10019-S	27.89	4.23	PCI/G
URANIUM-238	SC-10020-S	1.99	3.97	PCI/G
URANIUM-238	SC-09403-S	2.29	4.57	PCI/G
URANIUM-238	SC-10021-S	1.54	3.09	PCI/G
URANIUM-238	SC-09404-S	1.31	2.02	PCI/G
URANIUM-238	SC-10117-S	2.33	4.65	PCI/G
URANIUM-238	SC-09408-S	1.50	2.99	PCI/G
URANIUM-238	SC-09405-S	1.54	3.09	PCI/G
URANIUM-238	SC-09409-S	2.05	4.10	PCI/G
URANIUM-238	SC-09501-S	1.96	3.92	PCI/G
URANIUM-238	SC-09413-S	2.17	4.33	PCI/G
URANIUM-238	SC-09410-S	1.56	3.13	PCI/G
URANIUM-238	SC-09414-S	2.73	2.28	PCI/G
URANIUM-238	SC-09505-S	1.63	3.26	PCI/G
URANIUM-238	SC-09418-S	1.55	3.10	PCI/G
URANIUM-238	SC-09415-S	2.10	4.19	PCI/G
URANIUM-238	SC-09419-S	4.35	3.75	PCI/G
URANIUM-238	SC-09509-S	1.77	3.55	PCI/G
URANIUM-238	SC-09420-S	1.43	2.86	PCI/G
URANIUM-238	SC-09513-S	2.38	3.28	PCI/G
URANIUM-238	SC-09404-C	1.55	3.11	PCI/G
URANIUM-238	SC-09408-C	2.27	4.53	PCI/G
URANIUM-238	SC-09425-C	2.15	4.31	PCI/G

Average of URANIUM-238 values is 3.13 PCI/G, which is below ALARA, 30.00 PCI/G.
Maximum single value is 27.89 PCI/G, which is below criteria, 120.00 PCI/G.

Weldon Spring Site Remedial Action Project
7295 Highway 94 South, St. Charles, Missouri, 63304

ES&H 1.2.1.1, Rev. 1, 03/96

SOIL CONFIRMATION REMEDIATION DISPOSITION FORM

SECTION I

1. Work Package Number: WP470 2. Date: 10/07/96 3. Review Form #: 96-071
4. Remediation Unit Number: RU009 5. Confirmation Unit Number: CU095 (map attached)
6. Contaminants of Concern: X U-238 ___ Th-230 ___ Th-232 X Ra-226 X Ra-228
___ TNT ___ PCB ___ PAH ___ As ___ Cr ___ Pb ___ Tl

7. Results average below ALARA goal(s)?	X Yes ___ No
8. All results below cleanup criteria?	X Yes ___ No
9. Any results greater than 3X criteria?	___ Yes X No
10. Hotspots present (less than 3X criteria)?	___ Yes X No

Parameter	Size	Concentration	Complies with Plan?
N/A			___ Yes ___ No
			___ Yes ___ No
			___ Yes ___ No
			___ Yes ___ No

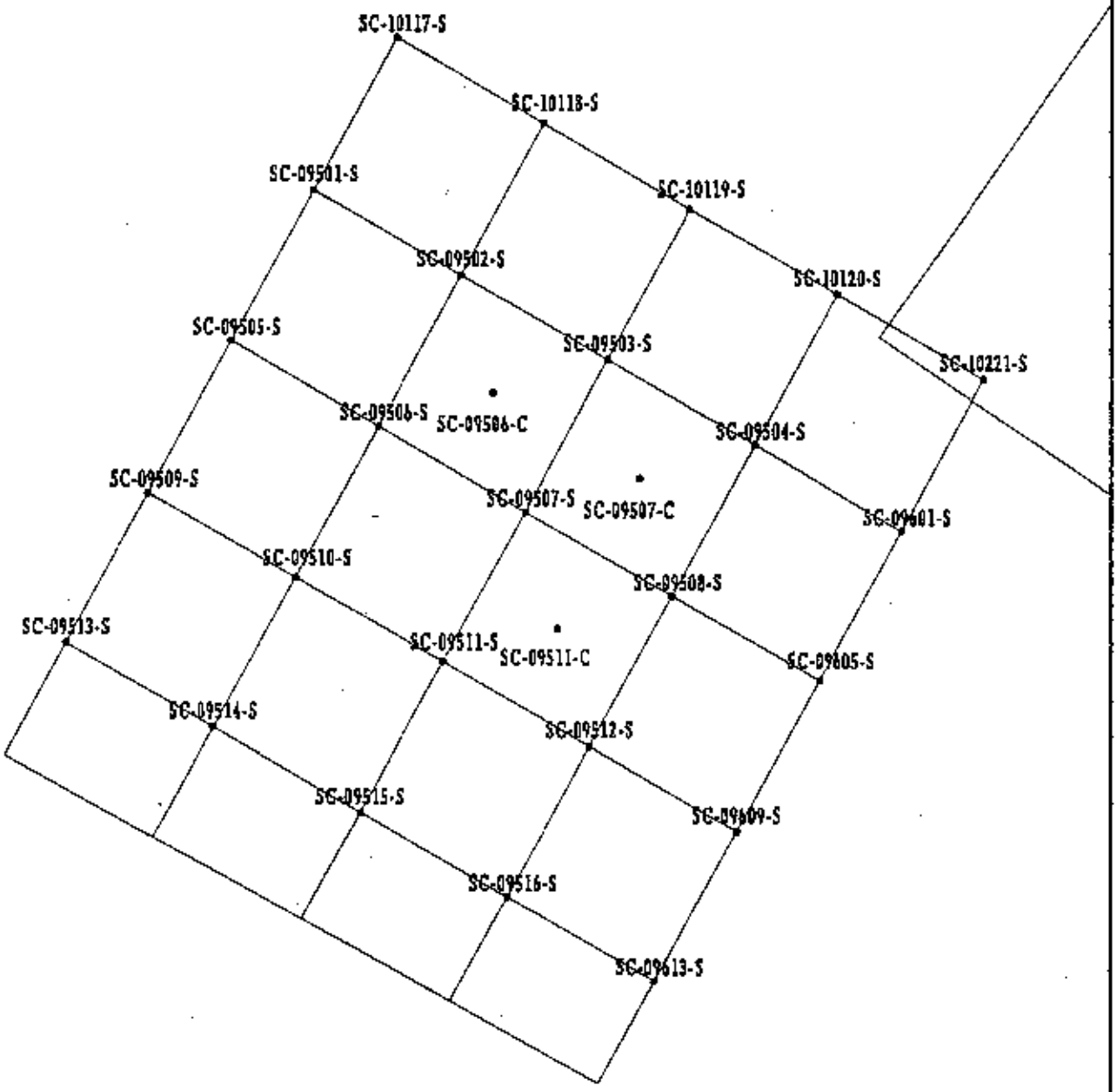
11. Reviewer: Melissa H. Lietz Date: 10/07/96

12. Reviewer Disposition Recommendation: X Release for Unrestricted Use (Section II)
___ Additional Excavation Required (Section IV)
___ ALARA Committee Required (Section III)

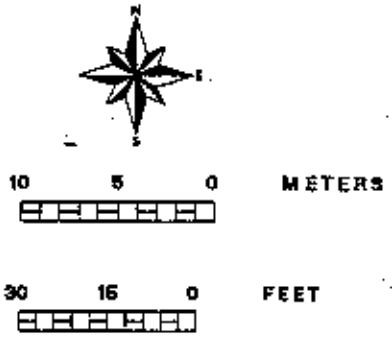
SECTION II *Results are ALARA. CU is released for unrestricted use.*

14. ES&H Manager: [signature] Date: 10/8/96
15. DOE Project Manager/Engineer: [signature] Date: 10/8/96
16. Project Manager: [signature] Date: 10/8/96
17. Construction Engineer: [signature] Date: 10/8/96

SEE ATTACHED RESULTS AND MAP



Review Form #96-071



Sample Locations in Remedial Unit RU009 Confirmation Unit CU095

Figure B-76

EXHIBIT NO.: A/CP/158/1295		REPORT NO.: DOE/OR/21548-590	
ORIGINATOR: MGL	DRAWN BY: WSSRAP GIS	DATE: 3/96	

CU095 REPORT

URANIUM-238

NUMBER OF 'URANIUM-238' SAMPLES IN DATABASE FOR THIS CU IS: 27

PARAMETER	LOCATION	CONC	DL	UNITS
URANIUM-238	SC-10117-S	2.325	4.65	PCI/G
URANIUM-238	SC-10118-S	1.555	3.11	PCI/G
URANIUM-238	SC-09501-S	1.960	3.92	PCI/G
URANIUM-238	SC-10119-S	1.650	3.30	PCI/G
URANIUM-238	SC-09502-S	1.635	3.27	PCI/G
URANIUM-238	SC-10120-S	1.885	3.77	PCI/G
URANIUM-238	SC-09505-S	1.630	3.26	PCI/G
URANIUM-238	SC-09503-S	1.370	2.74	PCI/G
URANIUM-238	SC-10221-S	2.145	4.29	PCI/G
URANIUM-238	SC-09506-S	1.535	3.07	PCI/G
URANIUM-238	SC-09504-S	2.040	4.08	PCI/G
URANIUM-238	SC-09509-S	1.775	3.55	PCI/G
URANIUM-238	SC-09507-S	1.565	3.13	PCI/G
URANIUM-238	SC-09601-S	2.135	4.27	PCI/G
URANIUM-238	SC-09510-S	2.230	4.46	PCI/G
URANIUM-238	SC-09508-S	2.190	4.38	PCI/G
URANIUM-238	SC-09513-S	2.380	3.28	PCI/G
URANIUM-238	SC-09511-S	1.655	3.31	PCI/G
URANIUM-238	SC-09605-S	6.750	3.30	PCI/G
URANIUM-238	SC-09514-S	2.380	4.76	PCI/G
URANIUM-238	SC-09512-S	3.790	2.24	PCI/G
URANIUM-238	SC-09515-S	2.255	4.51	PCI/G
URANIUM-238	SC-09609-S	3.560	2.48	PCI/G
URANIUM-238	SC-09516-S	8.220	2.87	PCI/G
URANIUM-238	SC-09613-S	1.600	3.20	PCI/G
URANIUM-238	SC-09506-C	1.945	3.89	PCI/G
URANIUM-238	SC-09507-C	2.015	4.03	PCI/G

Average of URANIUM-238 values is 2.45 pCi/g, which is below ALARA, 30.0 pCi/g.
Maximum single value is 8.22 pCi/g, which is below criteria, 120.0 pCi/g.

CU095 REPORT (CONTINUED)

RADIUM-226

NUMBER OF RADIUM-226 SAMPLES IN DATABASE FOR THIS CU IS: 11

PARAMETER	LOCATION	CONC	DL	UNITS
RADIUM-226	SC-09502-S	2.1565	0.29	PCI/G
RADIUM-226	SC-09503-S	2.5424	0.33	PCI/G
RADIUM-226	SC-10221-S	2.2019	0.34	PCI/G
RADIUM-226	SC-09506-S	2.4970	0.22	PCI/G
RADIUM-226	SC-09504-S	1.8387	0.27	PCI/G
RADIUM-226	SC-09507-S	2.6559	0.30	PCI/G
RADIUM-226	SC-09601-S	2.0657	0.40	PCI/G
RADIUM-226	SC-09508-S	2.6786	0.28	PCI/G
RADIUM-226	SC-09506-C	2.6332	0.48	PCI/G
RADIUM-226	SC-09507-C	2.3835	0.34	PCI/G
RADIUM-226	SC-09511-C	2.2019	0.38	PCI/G

Average of RADIUM-226 values is 2.35pCi/g, which is below ALARA, 5.0 pCi/g.
Maximum single value is 2.679 pCi/g, which is below criteria, 6.2 pCi/g.

RADIUM-228

NUMBER OF RADIUM-228 SAMPLES IN DATABASE FOR THIS CU IS: 11

PARAMETER	LOCATION	CONC	DL	UNITS
RADIUM-228	SC-09502-S	1.21	0.40	PCI/G
RADIUM-228	SC-09503-S	1.44	0.47	PCI/G
RADIUM-228	SC-10221-S	0.59	1.17	PCI/G
RADIUM-228	SC-09506-S	1.24	0.34	PCI/G
RADIUM-228	SC-09504-S	0.94	0.56	PCI/G
RADIUM-228	SC-09507-S	1.26	0.29	PCI/G
RADIUM-228	SC-09601-S	1.59	0.63	PCI/G
RADIUM-228	SC-09508-S	1.52	0.65	PCI/G
RADIUM-228	SC-09506-C	1.01	0.53	PCI/G
RADIUM-228	SC-09507-C	0.59	1.18	PCI/G
RADIUM-228	SC-09511-C	1.88	0.48	PCI/G

Average of RADIUM-228 values is 1.206 pCi/g, which is below ALARA, 5.0 pCi/g.
Maximum single value is 1.88 pCi/g, which is below criteria, 6.2 pCi/g.

Weldon Spring Site Remedial Action Project
7295 Highway 94 South, St. Charles, Missouri, 63304

ES&H 1.2.1.1, Rev. 1, 03/96

SOIL CONFIRMATION REMEDIATION DISPOSITION FORM

SECTION I

1. Work Package Number: WP470 2. Date: 10/18/96 3. Review Form #: 96-085
4. Remediation Unit Number: RU009 5. Confirmation Unit Number: CU096 (map attached)
6. Contaminants of Concern: X U-238 X Th-230 ___ Th-232 X Ra-226 X Ra-228
___ TNT X PCB ___ PAH ___ As ___ Cr ___ Pb ___ Tl

7. Results average below ALARA goal(s)?	X Yes	___ No
8. All results below cleanup criteria?	X Yes	___ No
9. Any results greater than 3X criteria?	___ Yes	X No
10. Hotspots present (less than 3X criteria)?	___ Yes	X No

Parameter	Size	Concentration	Complies with Plan?
N/A			___ Yes ___ No
			___ Yes ___ No
			___ Yes ___ No
			___ Yes ___ No

11. Reviewer: Melissa A. Lutz Date: 10/18/96

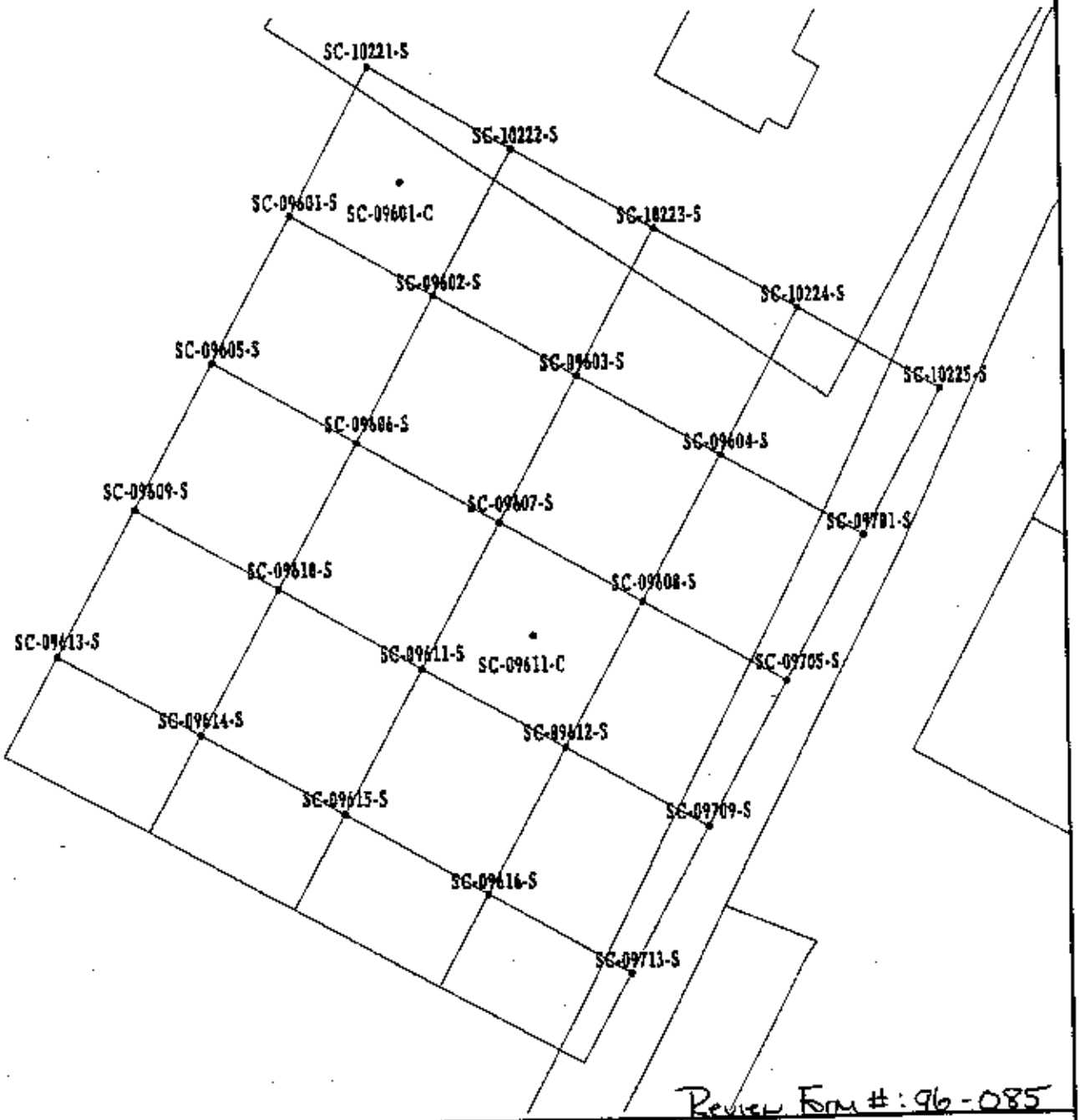
12. Reviewer Disposition Recommendation: X Release for Unrestricted Use (Section II)
___ Additional Excavation Required (Section IV)
___ ALARA Committee Required (Section III)

SECTION II *Results are ALARA; CU is released for unrestricted use.*

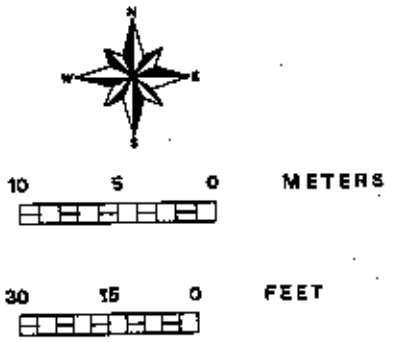
14. ES&H Manager: [signature] Date: 10/18/96
15. DOE Project Manager/Engineer: Thomas C. Pauling Date: 10/18/96
16. Project Manager: [signature] Date: 10/18/96
17. Construction Engineer: [signature] Date: 10-18-96

SEE ATTACHED RESULTS AND MAP

Note: No Utilities



Review Form #: 96-085



Sample Locations in Remedial Unit RU009
Confirmation Unit CU096

Figure B-77

EXHIBIT NO.: A/CP/159/1295		REPORT NO.: DOE/OR/21548-590	
ORIGINATOR: MGL	DRAWN BY: WSSRAP GIS	DATE: 3/96	

CU096 DATA REPORT

URANIUM-238

NUMBER OF URANIUM-238 SAMPLES IN DATABASE FOR THIS CU IS: 27

PARAMETER	LOCATION	CONC	DL	UNITS
URANIUM-238	SC-10221-S	2.15	4.29	PCI/G
URANIUM-238	SC-10222-S	1.69	3.38	PCI/G
URANIUM-238	SC-09601-S	2.13	4.27	PCI/G
URANIUM-238	SC-10223-S	2.19	4.38	PCI/G
URANIUM-238	SC-09602-S	2.17	4.33	PCI/G
URANIUM-238	SC-10224-S	1.97	3.94	PCI/G
URANIUM-238	SC-09605-S	6.75	3.30	PCI/G
URANIUM-238	SC-09603-S	2.46	2.71	PCI/G
URANIUM-238	SC-10225-S	1.96	3.91	PCI/G
URANIUM-238	SC-09606-S	3.60	3.88	PCI/G
URANIUM-238	SC-09604-S	1.77	3.55	PCI/G
URANIUM-238	SC-09609-S	3.56	2.48	PCI/G
URANIUM-238	SC-09607-S	1.88	3.76	PCI/G
URANIUM-238	SC-09701-S	1.48	3.10	PCI/G
URANIUM-238	SC-09610-S	2.07	4.14	PCI/G
URANIUM-238	SC-09608-S	2.19	4.37	PCI/G
URANIUM-238	SC-09613-S	1.60	3.20	PCI/G
URANIUM-238	SC-09611-S	2.75	2.59	PCI/G
URANIUM-238	SC-09705-S	2.02	4.04	PCI/G
URANIUM-238	SC-09614-S	1.77	3.55	PCI/G
URANIUM-238	SC-09612-S	1.93	3.86	PCI/G
URANIUM-238	SC-09615-S	1.78	3.57	PCI/G
URANIUM-238	SC-09709-S	1.63	3.26	PCI/G
URANIUM-238	SC-09616-S	1.95	3.89	PCI/G
URANIUM-238	SC-09713-S	1.65	3.30	PCI/G
URANIUM-238	SC-09601-C	3.08	2.69	PCI/G
URANIUM-238	SC-09611-C	1.77	3.54	PCI/G

Average of URANIUM-238 values is 2.29 PCI/G, which is below ALARA, 30.00 PCI/G.
Maximum single value is 6.75 PCI/G, which is below criteria, 120.00 PCI/G.

CU096 DATA REPORT (CONTINUED)

THORIUM-230

NUMBER OF Thorium-230 SAMPLES IN DATABASE FOR THIS CU IS: 4

PARAMETER	LOCATION	CONC	DL	UNITS
Thorium-230	SC-10222-S	1.38	0.72	PCI/G
Thorium-230	SC-10223-S	1.35	0.72	PCI/G
Thorium-230	SC-09701-S	1.16	0.72	PCI/G
Thorium-230	SC-09705-S	1.37	0.72	PCI/G

Average of Thorium-230 values is 1.3~~1~~2 PCI/G, MGL 8-18-97 which is below ALARA, 5.00 PCI/G.
Maximum single value is 1.38 PCI/G, which is below criteria, 6.20 PCI/G.

RADIUM-226

NUMBER OF RADIUM-226 SAMPLES IN DATABASE FOR THIS CU IS: 5

PARAMETER	LOCATION	CONC	DL	UNITS
RADIUM-226	SC-10221-S	2.20	0.34	PCI/G
RADIUM-226	SC-10222-S	2.72	0.32	PCI/G
RADIUM-226	SC-09601-S	2.07	0.40	PCI/G
RADIUM-226	SC-09602-S	2.29	0.32	PCI/G
RADIUM-226	SC-09601-C	2.04	0.30	PCI/G

Average of RADIUM-226 values is 2.27 PCI/G, which is below ALARA, 5.00 PCI/G.
Maximum single value is 2.72 PCI/G, which is below criteria, 6.20 PCI/G.

RADIUM-228

NUMBER OF RADIUM-228 SAMPLES IN DATABASE FOR THIS CU IS: 5

PARAMETER	LOCATION	CONC	DL	UNITS
RADIUM-228	SC-10221-S	0.5~~8~~9 MGL 8-18-97	1.17	PCI/G
RADIUM-228	SC-10222-S	1.48	0.49	PCI/G
RADIUM-228	SC-09601-S	1.59	0.63	PCI/G
RADIUM-228	SC-09602-S	1.83	0.63	PCI/G
RADIUM-228	SC-09601-C	1.31	0.47	PCI/G

Average of RADIUM-228 values is 1.36 PCI/G, which is below ALARA, 5.00 PCI/G.
Maximum single value is 1.83 PCI/G, which is below criteria, 6.20 PCI/G.

CU096 DATA REPORT (CONTINUED)

PCB

NUMBER OF PCB SAMPLES IN DATABASE FOR THIS CU IS: 4

PARAMETER	LOCATION	CONC	DL	UNITS
PCB	SC-10222-S	0	42	UG/KG
PCB	SC-10223-S	0	37	UG/KG
PCB	SC-09701-S	51	39	UG/KG
PCB	SC-09705-S	181	38	UG/KG

Average of PCB values is 58.00 UG/KG, which is below ALARA, 650 UG/KG.
Maximum single value is 181.00 UG/KG, which is below criteria, 8000 UG/KG.

Weldon Spring Site Remedial Action Project
7295 Highway 94 South, St. Charles, Missouri, 63304

ES&H 1.2.1.1, Rev. 1, 03/96

SOIL CONFIRMATION REMEDIATION DISPOSITION FORM

SECTION I

1. Work Package Number: WP420 2. Date: 10/18/96 3. Review Form #: 96-086
4. Remediation Unit Number: RU009 5. Confirmation Unit Number: CU097 (map attached)
6. Contaminants of Concern: X U-238 X Th-230 ___ Th-232 ___ Ra-226 ___ Ra-228
___ TNT X PCB ___ PAH ___ As ___ Cr ___ Pb ___ Tl

7. Results average below ALARA goal(s)?	X Yes	___ No
8. All results below cleanup criteria?	X Yes	___ No
9. Any results greater than 3X criteria?	___ Yes	X No
10. Hotspots present (less than 3X criteria)?	___ Yes	X No

Parameter	Size	Concentration	Complies with Plan?
N/A			___ Yes ___ No
			___ Yes ___ No
			___ Yes ___ No
			___ Yes ___ No

11. Reviewer: Melvin H. Lutz Date: 10/18/96

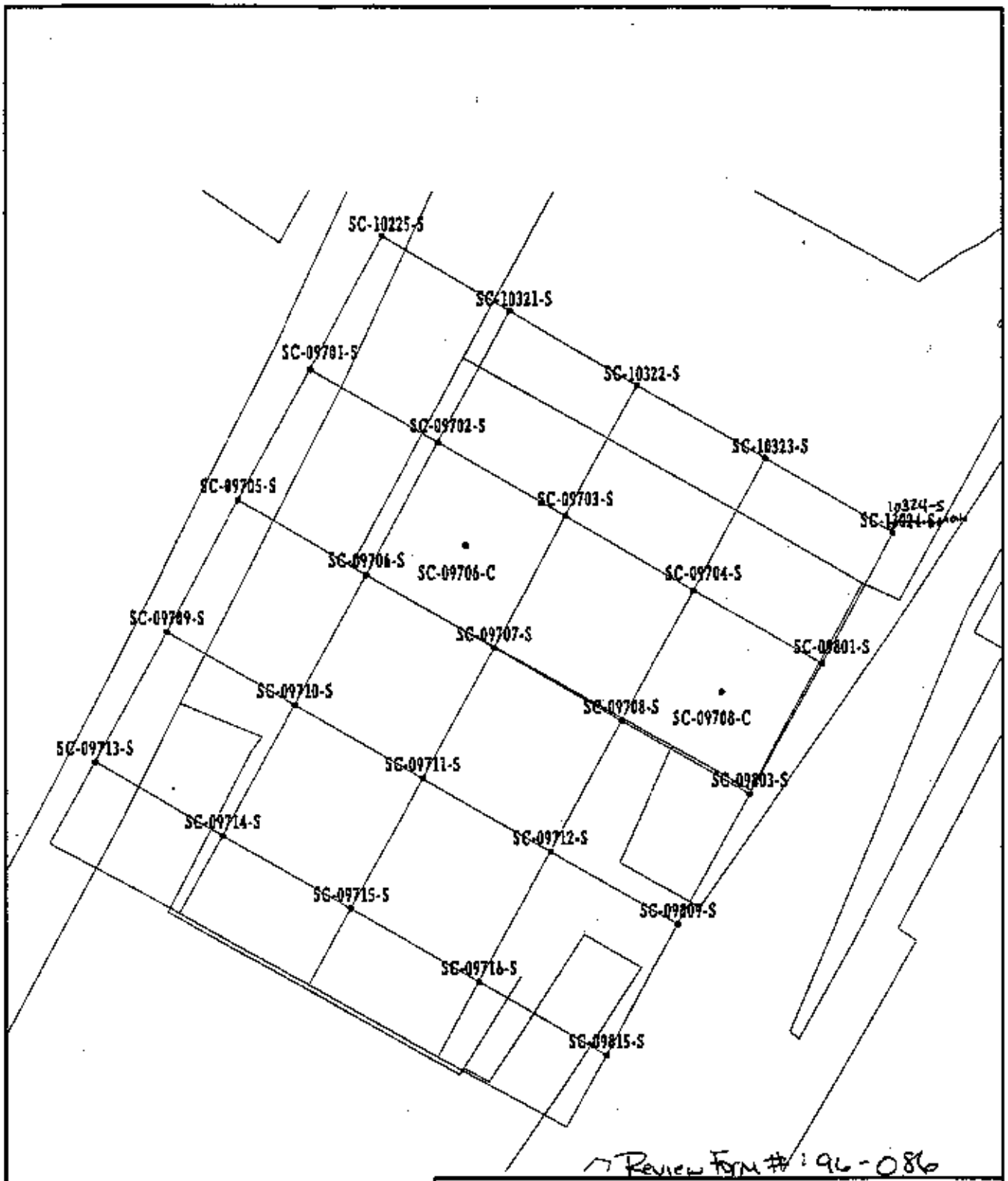
12. Reviewer Disposition Recommendation: X Release for Unrestricted Use (Section II)
___ Additional Excavation Required (Section IV)
___ ALARA Committee Required (Section III)

SECTION II *Results are ALARA. CU is released for unrestricted use.*

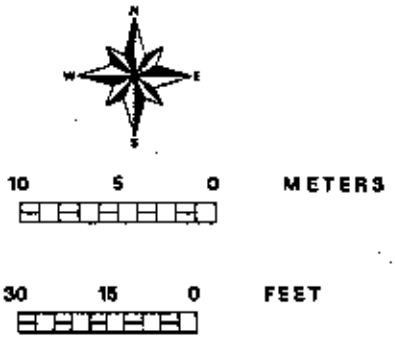
14. ES&H Manager: [signature] Date: 10/18/96
15. DOE Project Manager/Engineer: Thomas C. Tauber Date: 10/18/96
16. Project Manager: [signature] Date: 10/18/96
17. Construction Engineer: Darrell L. Capps Date: 10/18/96

SEE ATTACHED RESULTS AND MAP

Note: No Utilities



Review Form #: 96-086



Sample Locations in Remedial Unit RU009 Confirmation Unit CU097

Figure B-78

EXHIBIT NO.: A/CP/160/1295		REPORT NO.: DOE/OR/21548-590	
DESIGNATOR: MGL	DRAWN BY: WSSRAP GIS	DATE: 3/96	

CU097 DATA REPORT

URANIUM-238

NUMBER OF URANIUM-238 SAMPLES IN DATABASE FOR THIS CU IS: 26

PARAMETER	LOCATION	CONC	DL	UNITS
URANIUM-238	SC-10225-S	1.96	3.91	PCI/G
URANIUM-238	SC-10321-S	1.77	3.54	PCI/G
URANIUM-238	SC-09701-S	1.48	3.10	PCI/G
URANIUM-238	SC-10322-S	1.90	3.79	PCI/G
URANIUM-238	SC-09702-S	1.59	3.17	PCI/G
URANIUM-238	SC-10323-S	4.87	2.15	PCI/G
URANIUM-238	SC-09705-S	2.02	4.04	PCI/G
URANIUM-238	SC-09703-S	2.11	4.22	PCI/G
URANIUM-238	SC-09706-S	1.96	3.92	PCI/G
URANIUM-238	SC-09704-S	3.55	2.46	PCI/G
URANIUM-238	SC-09709-S	1.63	3.26	PCI/G
URANIUM-238	SC-09707-S	1.65	3.30	PCI/G
URANIUM-238	SC-09801-S	2.13	4.27	PCI/G
URANIUM-238	SC-09710-S	2.08	2.86	PCI/G
URANIUM-238	SC-09708-S	2.17	4.35	PCI/G
URANIUM-238	SC-09713-S	1.65	3.30	PCI/G
URANIUM-238	SC-09711-S	1.53	3.07	PCI/G
URANIUM-238	SC-09803-S	2.13	4.25	PCI/G
URANIUM-238	SC-09714-S	2.00	4.01	PCI/G
URANIUM-238	SC-09712-S	2.25	4.50	PCI/G
URANIUM-238	SC-09715-S	1.83	2.58	PCI/G
URANIUM-238	SC-09809-S	2.34	2.73	PCI/G
URANIUM-238	SC-09716-S	2.09	4.18	PCI/G
URANIUM-238	SC-09815-S	7.27	4.31	PCI/G
URANIUM-238	SC-09706-C	1.51	3.02	PCI/G
URANIUM-238	SC-10324-S	1.56	3.12	PCI/G

Average of URANIUM-238 values is 2.27 PCI/G, which is below ALARA, 30.00 PCI/G.
Maximum single value is 7.27 PCI/G, which is below criteria, 120.00 PCI/G.

CU097 DATA REPORT (CONTINUED)

THORIUM-230

NUMBER OF Thorium-230 SAMPLES IN DATABASE FOR THIS CU IS: 12

PARAMETER	LOCATION	CONC	DL	UNITS
Thorium-230	SC-09701-S	1.16	0.72	PCI/G
Thorium-230	SC-09702-S	1.08	0.72	PCI/G
Thorium-230	SC-09705-S	1.37	0.72	PCI/G
Thorium-230	SC-09703-S	1.14	0.72	PCI/G
Thorium-230	SC-09706-S	1.17	0.72	PCI/G
Thorium-230	SC-09704-S	1.04	0.72	PCI/G
Thorium-230	SC-09707-S	1.10	0.72	PCI/G
Thorium-230	SC-09801-S	0.97	0.72	PCI/G
Thorium-230	SC-09708-S	1.12	0.72	PCI/G
Thorium-230	SC-09803-S	1.06	0.72	PCI/G
Thorium-230	SC-09706-C	1.04	0.72	PCI/G
Thorium-230	SC-09708-C	0.96	0.72	PCI/G

Average of Thorium-230 values is 1.10 PCI/G, which is below ALARA, 5.00 PCI/G.
Maximum single value is 1.37 PCI/G, which is below criteria, 6.20 PCI/G.

PCB

NUMBER OF PCB SAMPLES IN DATABASE FOR THIS CU IS: 12

PARAMETER	LOCATION	CONC	DL	UNITS
PCB	SC-09801-S	0	40	UG/KG
PCB	SC-09803-S	0	40	UG/KG
PCB	SC-09701-S	51	39	UG/KG
PCB	SC-09702-S	0	44	UG/KG
PCB	SC-09703-S	0	41	UG/KG
PCB	SC-09704-S	130	40	UG/KG
PCB	SC-09705-S	181	38	UG/KG
PCB	SC-09706-S	220	43	UG/KG
PCB	SC-09706-C	117	42	UG/KG
PCB	SC-09707-S	0	41	UG/KG
PCB	SC-09708-S	0	42	UG/KG
PCB	SC-09708-C	0	41	UG/KG

Average of PCB values is 58.25 UG/KG, which is below ALARA, 650 UG/KG.
Maximum single value is 220 UG/KG, which is below criteria, 8000 UG/KG.

Weldon Spring Site Remedial Action Project
7295 Highway 94 South, St. Charles, Missouri, 63304

ES&H 1.2.1.1, Rev. 1, 03/96

SOIL CONFIRMATION REMEDIATION DISPOSITION FORM

SECTION I

1. Work Package Number: WP420 2. Date: 10/18/96 3. Review Form #: 96-083

4. Remediation Unit Number: RU009 5. Confirmation Unit Number: CU098 (map attached)

6. Contaminants of Concern: X U-238 X Th-230 ___ Th-232 X Ra-226 X Ra-228
___ TNT X PCB ___ PAH ___ As X Cr X Pb ___ Tl

7. Results average below ALARA goal(s)?	X Yes ___ No
8. All results below cleanup criteria?	X Yes ___ No
9. Any results greater than 3X criteria?	___ Yes X No
10. Hotspots present (less than 3X criteria)?	___ Yes X No

Parameter	Size	Concentration	Complies with Plan?
N/A			___ Yes ___ No
			___ Yes ___ No
			___ Yes ___ No
			___ Yes ___ No

11. Reviewer: Melissa H Lutz Date: 10/18/96

12. Reviewer Disposition Recommendation: X Release for Unrestricted Use (Section II)
___ Additional Excavation Required (Section IV)
___ ALARA Committee Required (Section III)

SECTION II *Results are ALARA. CU is released for unrestricted use.*

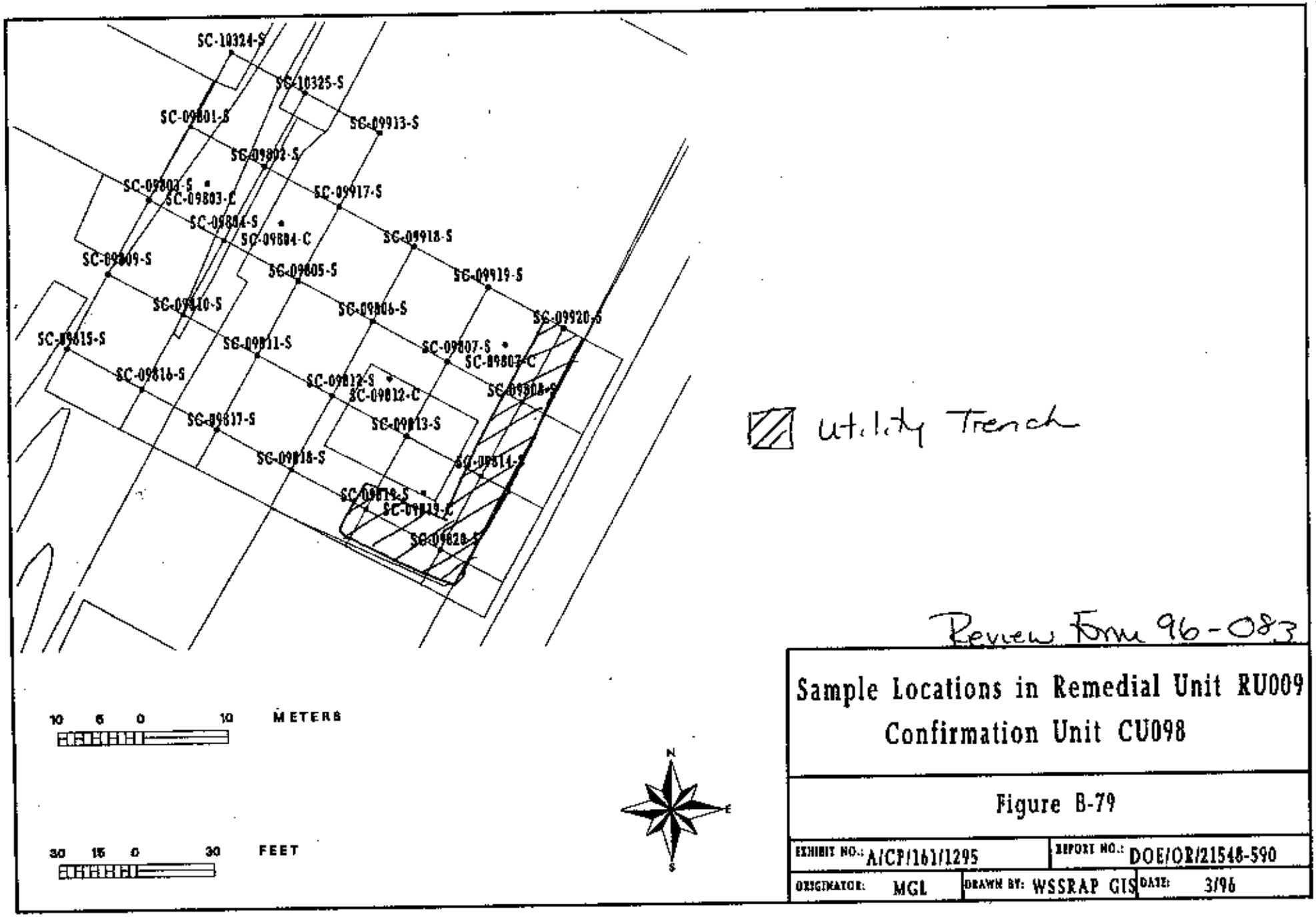
14. ES&H Manager: [signature] for KM Date: 10/18/96

15. DOE Project Manager/Engineer: Thomas G. Pauling Date: 10/18/96

16. Project Manager: [signature] Date: 10/18/96

17. Construction Engineer: Daniel L. Pappe Date: 10/18/96

SEE ATTACHED RESULTS AND MAP



Review Form 96-083

Sample Locations in Remedial Unit RU009
Confirmation Unit CU098

Figure B-79

EXHIBIT NO.: A/CP/161/1295		REPORT NO.: DOE/OR/21548-590	
ORIGINATOR: MGL	DRAWN BY: WSSRAP GIS	DATE: 3/96	

CU098 DATA REPORT

URANIUM-238

NUMBER OF URANIUM-238 SAMPLES IN DATABASE FOR THIS CU IS: 32

PARAMETER	LOCATION	CONC	DL	UNITS
URANIUM-238	SC-10324-S	1.56	3.12	PCI/G
URANIUM-238	SC-10325-S	1.96	3.92	PCI/G
URANIUM-238	SC-09801-S	2.13	4.27	PCI/G
URANIUM-238	SC-09913-S	3.46	4.16	PCI/G
URANIUM-238	SC-09802-S	2.08	4.17	PCI/G
URANIUM-238	SC-09803-S	2.13	4.25	PCI/G
URANIUM-238	SC-09917-S	1.49	2.98	PCI/G
URANIUM-238	SC-09804-S	1.91	3.82	PCI/G
URANIUM-238	SC-09918-S	2.56	3.32	PCI/G
URANIUM-238	SC-09809-S	2.34	2.73	PCI/G
URANIUM-238	SC-09805-S	4.07	3.44	PCI/G
URANIUM-238	SC-09919-S	5.12	3.02	PCI/G
URANIUM-238	SC-09810-S	3.84	2.49	PCI/G
URANIUM-238	SC-09806-S	1.54	3.08	PCI/G
URANIUM-238	SC-09920-S	1.55	3.11	PCI/G
URANIUM-238	SC-09815-S	7.27	4.31	PCI/G
URANIUM-238	SC-09811-S	18.14	4.92	PCI/G
URANIUM-238	SC-09807-S	1.85	3.70	PCI/G
URANIUM-238	SC-09816-S	1.59	2.09	PCI/G
URANIUM-238	SC-09812-S	2.19	1.83	PCI/G
URANIUM-238	SC-09808-S	1.53	3.06	PCI/G
URANIUM-238	SC-09817-S	11.13	2.85	PCI/G
URANIUM-238	SC-09813-S	4.21	2.65	PCI/G
URANIUM-238	SC-09818-S	2.11	2.70	PCI/G
URANIUM-238	SC-09814-S	1.89	3.77	PCI/G
URANIUM-238	SC-09819-S	1.47	2.94	PCI/G
URANIUM-238	SC-09820-S	1.45	2.89	PCI/G
URANIUM-238	SC-09803-C	4.56	2.44	PCI/G
URANIUM-238	SC-09804-C	2.13	4.25	PCI/G
URANIUM-238	SC-09807-C	2.67	1.85	PCI/G
URANIUM-238	SC-09812-C	2.61	2.46	PCI/G
URANIUM-238	SC-09819-C	1.90	3.80	PCI/G

Average of URANIUM-238 values is 3.33 PCI/G, which is below ALARA, 30.00 PCI/G.
Maximum single value is 18.14 PCI/G, which is below criteria, 120.00 PCI/G.

CU098 DATA REPORT (CONTINUED)

THORIUM-230

NUMBER OF Thorium-230 SAMPLES IN DATABASE FOR THIS CU IS: 8

PARAMETER	LOCATION	CONC	DL	UNITS
Thorium-230	SC-09801-S	0.97	0.72	PCI/G
Thorium-230	SC-09803-S	1.06	0.72	PCI/G
Thorium-230	SC-09920-S	0.73	0.72	PCI/G
Thorium-230	SC-09808-S	0.96	0.72	PCI/G
Thorium-230	SC-09814-S	0.74	0.72	PCI/G
Thorium-230	SC-09819-S	0.74	0.72	PCI/G
Thorium-230	SC-09820-S	1.11	0.72	PCI/G
Thorium-230	SC-09803-C	1.10	0.72	PCI/G

Average of Thorium-230 values is 0.93, which is below ALARA, 5.00
Maximum single value is 1.11, which is below criteria, 6.20

RADIUM-226

NUMBER OF RADIUM-226 SAMPLES IN DATABASE FOR THIS CU IS: 5

PARAMETER	LOCATION	CONC	DL	UNITS
RADIUM-226	SC-09920-S	1.66	0.27	PCI/G
RADIUM-226	SC-09808-S	1.97	0.27	PCI/G
RADIUM-226	SC-09814-S	1.84	0.30	PCI/G
RADIUM-226	SC-09819-S	1.97	0.24	PCI/G
RADIUM-226	SC-09820-S	1.54	0.27	PCI/G

Average of RADIUM-226 values is 1.80 PCI/G, which is below ALARA, 5.00 PCI/G.
Maximum single value is 1.97 PCI/G, which is below criteria, 6.20 PCI/G.

RADIUM-228

NUMBER OF RADIUM-228 SAMPLES IN DATABASE FOR THIS CU IS: 5

PARAMETER	LOCATION	CONC	DL	UNITS
RADIUM-228	SC-09920-S	1.42	0.41	PCI/G
RADIUM-228	SC-09808-S	1.49	0.45	PCI/G
RADIUM-228	SC-09814-S	1.35	0.51	PCI/G
RADIUM-228	SC-09819-S	1.32	0.34	PCI/G
RADIUM-228	SC-09820-S	1.43	0.37	PCI/G

Average of RADIUM-228 values is 1.40 PCI/G, which is below ALARA, 5.00 PCI/G.
Maximum single value is 1.49 PCI/G, which is below criteria, 6.20 PCI/G.

CU098 DATA REPORT (CONTINUED)

CHROMIUM

NUMBER OF Chromium SAMPLES IN DATABASE FOR THIS CU IS: 5

PARAMETER	LOCATION	CONC	DL	UNITS
Chromium	SC-09920-S	14.90	0.37	UG/G
Chromium	SC-09808-S	17.30	0.40	UG/G
Chromium	SC-09814-S	13.00	0.36	UG/G
Chromium	SC-09819-S	21.50	0.38	UG/G
Chromium	SC-09820-S	19.80	0.39	UG/G

Average of Chromium values is 17.30 UG/G, which is below ALARA, 90.00 UG/G.
Maximum single value is 21.50 UG/G, which is below criteria, 110.00 UG/G.

LEAD

NUMBER OF Lead SAMPLES IN DATABASE FOR THIS CU IS: 20

PARAMETER	LOCATION	CONC	DL	UNITS
Lead	SC-09913-S	9.50	0.19	UG/G
Lead	SC-09917-S	9.30	0.20	UG/G
Lead	SC-09918-S	21.70	0.19	UG/G
Lead	SC-09805-S	14.10	0.20	UG/G
Lead	SC-09919-S	10.70	0.19	UG/G
Lead	SC-09806-S	8.40	0.19	UG/G
Lead	SC-09920-S	12.10	0.20	UG/G
Lead	SC-09811-S	8.70	0.19	UG/G
Lead	SC-09807-S	13.10	0.20	UG/G
Lead	SC-09812-S	13.40	0.19	UG/G
Lead	SC-09808-S	9.90	0.21	UG/G
Lead	SC-09817-S	16.00	0.20	UG/G
Lead	SC-09813-S	11.60	0.21	UG/G
Lead	SC-09818-S	8.90	0.19	UG/G
Lead	SC-09814-S	5.80	0.19	UG/G
Lead	SC-09819-S	19.30	0.20	UG/G
Lead	SC-09820-S	12.80	0.21	UG/G
Lead	SC-09807-C	11.90	0.20	UG/G
Lead	SC-09812-C	11.90	0.20	UG/G
Lead	SC-09819-C	13.30	0.20	UG/G

Average of Lead values is 12.12 UG/G, which is below ALARA, 240.00 UG/G.
Maximum single value is 21.70 UG/G, which is below criteria, 450 UG/G.

CU098 DATA REPORT (CONTINUED)

PCB

NUMBER OF PCB SAMPLES IN DATABASE FOR THIS CU IS: 8

PARAMETER	LOCATION	CONC	DL	UNITS
PCB	SC-09801-S	0	40	UG/KG
PCB	SC-09803-S	0	40	UG/KG
PCB	SC-09920-S	0	41	UG/KG
PCB	SC-09808-S	0	44	UG/KG
PCB	SC-09814-S	0	40	UG/KG
PCB	SC-09819-S	0	42	UG/KG
PCB	SC-09820-S	0	42	UG/KG
PCB	SC-09803-C	440	40	UG/KG

Average of PCB values is 55 UG/KG, which is below ALARA, 650 UG/KG.
Maximum single value is 440 UG/KG, which is below criteria, 8000 UG/KG.

Weldon Spring Site Remedial Action Project
7295 Highway 94 South, St. Charles, Missouri, 63304

ES&H 1.2.1.1, Rev. 1, 03/96

SOIL CONFIRMATION REMEDIATION DISPOSITION FORM

SECTION I

1. Work Package Number: WP420 2. Date: 10/15/96 3. Review Form #: 96-079

4. Remediation Unit Number: RU009 5. Confirmation Unit Number: CU099 (map attached)

6. Contaminants of Concern: X U-238 X Th-230 ___ Th-232 X Ra-226 X Ra-228
___ TNT X PCB ___ PAH ___ As X Cr X Pb ___ Tl

7. Results average below ALARA goal(s)?	X Yes ___ No
8. All results below cleanup criteria?	X Yes ___ No
9. Any results greater than 3X criteria?	___ Yes X No
10. Hotspots present (less than 3X criteria)?	___ Yes X No

Parameter	Size	Concentration	Complies with Plan?
N/A			___ Yes ___ No
			___ Yes ___ No
			___ Yes ___ No
			___ Yes ___ No

11. Reviewer: [signature] Date: ___

12. Reviewer Disposition Recommendation: X Release for Unrestricted Use (Section II)
___ Additional Excavation Required (Section IV)
___ ALARA Committee Required (Section III)

SECTION II *Results are ALARA. CU is released for unrestricted use.*

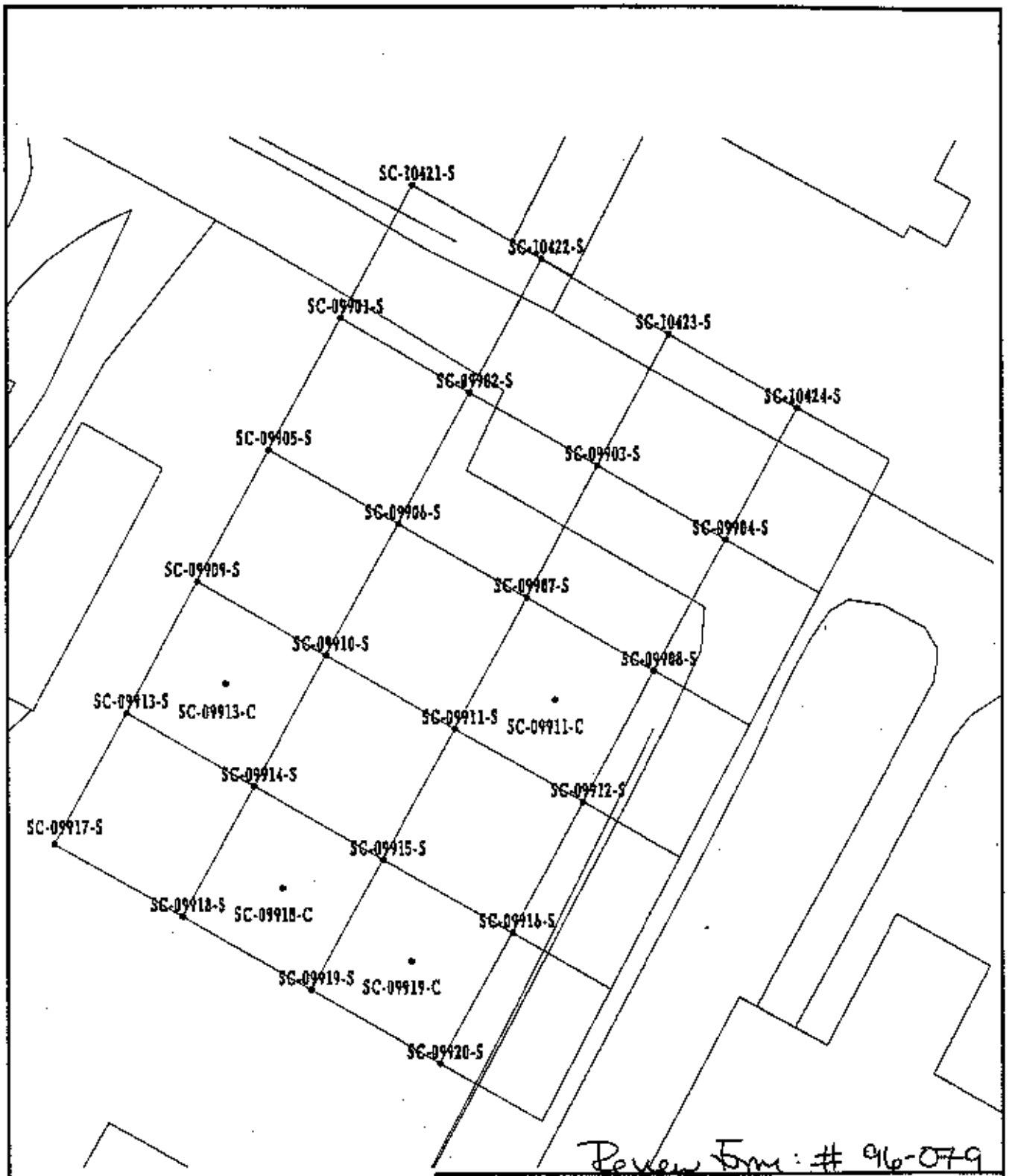
14. ES&H Manager: [signature] Date: 10/15/96

15. DOE Project Manager/Engineer: [signature] Date: 10/15/96

16. Project Manager: [signature] Date: 10/15/96

17. Construction Engineer: [signature] Date: 10/15/96

SEE ATTACHED RESULTS AND MAP



Review Form: # 96-079

N
E
S

10 5 0 METERS

30 15 0 FEET

Sample Locations in Remedial Unit RU009
Confirmation Unit CU099

Figure B-80

EXHIBIT NO.: A/CP/162/1295		REPORT NO.: DOE/OR/21548-590	
ORIGINATOR: MGL	DRAWN BY: WSSRAP GIS	DATE: 3/96	

CU099 DATA REPORT

URANIUM-238

NUMBER OF URANIUM-238 SAMPLES IN DATABASE FOR THIS CU IS: 29

PARAMETER	LOCATION	CONC	DL	UNITS
URANIUM-238	SC-10421-S	9.040	3.25	PCI/G
URANIUM-238	SC-10422-S	2.520	2.88	PCI/G
URANIUM-238	SC-09901-S	1.970	3.94	PCI/G
URANIUM-238	SC-10423-S	1.885	3.77	PCI/G
URANIUM-238	SC-09902-S	2.320	2.49	PCI/G
URANIUM-238	SC-10424-S	8.670	3.44	PCI/G
URANIUM-238	SC-09905-S	1.555	3.11	PCI/G
URANIUM-238	SC-09903-S	2.210	4.42	PCI/G
URANIUM-238	SC-09906-S	1.915	3.83	PCI/G
URANIUM-238	SC-09904-S	1.455	2.91	PCI/G
URANIUM-238	SC-09909-S	2.185	4.37	PCI/G
URANIUM-238	SC-09907-S	1.575	3.15	PCI/G
URANIUM-238	SC-09910-S	1.615	3.23	PCI/G
URANIUM-238	SC-09908-S	1.990	3.98	PCI/G
URANIUM-238	SC-09913-S	3.460	4.16	PCI/G
URANIUM-238	SC-09911-S	2.130	4.26	PCI/G
URANIUM-238	SC-09914-S	2.035	4.07	PCI/G
URANIUM-238	SC-09912-S	1.580	3.16	PCI/G
URANIUM-238	SC-09917-S	1.490	2.98	PCI/G
URANIUM-238	SC-09915-S	2.050	4.10	PCI/G
URANIUM-238	SC-09918-S	2.560	3.32	PCI/G
URANIUM-238	SC-09916-S	1.475	2.95	PCI/G
URANIUM-238	SC-09919-S	5.120	3.02	PCI/G
URANIUM-238	SC-09920-S	1.555	3.11	PCI/G
URANIUM-238	SC-09913-C	1.535	3.07	PCI/G
URANIUM-238	SC-09919-C	2.300	4.60	PCI/G
URANIUM-238	SC-09911-C	2.330	1.99	PCI/G
URANIUM-238	SC-09901-U	1.770	3.54	PCI/G
URANIUM-238	SC-09902-U	1.560	3.12	PCI/G

Average of URANIUM-238 values is 2.547 PCI/G, which is below ALARA of 30.0 PCI/G.
Maximum single value is 9.04 PCI/G, which is below criteria, 120.0 PCI/G.

CU099 DATA REPORT (CONTINUED)

THORIUM-230

NUMBER OF Thorium-230 SAMPLES IN DATABASE FOR THIS CU IS: 11

PARAMETER	LOCATION	CONC	DL	UNITS
Thorium-230	SC-10421-S	0.91	0.72	PCI/G
Thorium-230	SC-10422-S	0.82	0.72	PCI/G
Thorium-230	SC-09905-S	0.85	0.72	PCI/G
Thorium-230	SC-09906-S	1.14	0.72	PCI/G
Thorium-230	SC-09907-S	1.08	0.72	PCI/G
Thorium-230	SC-09908-S	0.81	0.72	PCI/G
Thorium-230	SC-09912-S	0.77	0.72	PCI/G
Thorium-230	SC-09916-S	0.99	0.72	PCI/G
Thorium-230	SC-09920-S	0.73	0.72	PCI/G
Thorium-230	SC-09901-U	0.72	0.72	PCI/G
Thorium-230	SC-09902-U	1.05	0.72	PCI/G

Average of Thorium-230 values is 0.9 PCI/G, which is below ALARA of 5.0 PCI/G.
Maximum single value is 1.14 PCI/G, which is below criteria of 6.2 PCI/G.

RADIUM-226

NUMBER OF RADIUM-226 SAMPLES IN DATABASE FOR THIS CU IS: 11

PARAMETER	LOCATION	CONC	DL	UNITS
RADIUM-226	SC-10421-S	2.7467	0.28	PCI/G
RADIUM-226	SC-10422-S	1.8841	0.27	PCI/G
RADIUM-226	SC-09905-S	1.5663	0.29	PCI/G
RADIUM-226	SC-09906-S	1.7933	0.34	PCI/G
RADIUM-226	SC-09907-S	2.1111	0.24	PCI/G
RADIUM-226	SC-09908-S	1.4755	0.35	PCI/G
RADIUM-226	SC-09912-S	1.6571	0.28	PCI/G
RADIUM-226	SC-09916-S	1.7479	0.25	PCI/G
RADIUM-226	SC-09920-S	1.6571	0.27	PCI/G
RADIUM-226	SC-09901-U	2.1800	0.34	PCI/G
RADIUM-226	SC-09902-U	2.3400	0.27	PCI/G

Average of RADIUM-226 values is 1.92 PCI/G, which is below ALARA of 5.0 PCI/G.
Maximum single value is 2.75 PCI/G, which is below criteria of 6.2 PCI/G.

RADIUM-228

NUMBER OF RADIUM-228 SAMPLES IN DATABASE FOR THIS CU IS: 11

PARAMETER	LOCATION	CONCENTRATION	DETECTION_LIMIT	UNITS
RADIUM-228	SC-10421-S	1.470	0.58	PCI/G
RADIUM-228	SC-10422-S	1.330	0.33	PCI/G
RADIUM-228	SC-09905-S	1.570	0.24	PCI/G
RADIUM-228	SC-09906-S	1.220	0.40	PCI/G
RADIUM-228	SC-09907-S	1.250	0.43	PCI/G
RADIUM-228	SC-09908-S	1.540	0.44	PCI/G
RADIUM-228	SC-09912-S	1.350	0.42	PCI/G
RADIUM-228	SC-09916-S	1.210	0.42	PCI/G
RADIUM-228	SC-09920-S	1.420	0.41	PCI/G
RADIUM-228	SC-09901-U	1.190	0.42	PCI/G
RADIUM-228	SC-09902-U	0.395	0.79	PCI/G

Average of RADIUM-228 values is 1.27 PCI/G, which is below ALARA of 5.0 PCI/G.
Maximum single value is 1.57 PCI/G, which is below criteria of 6.2 PCI/G.

CU099 DATA REPORT (CONTINUED)

CHROMIUM

NUMBER OF Chromium SAMPLES IN DATABASE FOR THIS CU IS: 9

PARAMETER	LOCATION	CONC	DL	UNITS
Chromium	SC-09905-S	16.1	0.40	UG/G
Chromium	SC-09906-S	14.5	0.36	UG/G
Chromium	SC-09907-S	19.0	0.36	UG/G
Chromium	SC-09908-S	15.1	0.35	UG/G
Chromium	SC-09912-S	17.0	0.38	UG/G
Chromium	SC-09916-S	18.8	0.36	UG/G
Chromium	SC-09920-S	14.9	0.37	UG/G
Chromium	SC-09901-U	13.0	0.36	UG/G
Chromium	SC-09902-U	5.1	0.32	UG/G

3 MGK 8-18-97

Average of Chromium values is 14.84 UG/G, which is below ALARA of 90.0 UG/G.
Maximum single value is 19 UG/G, which is below criteria of 110.0 UG/G.

LEAD

NUMBER OF Lead SAMPLES IN DATABASE FOR THIS CU IS: 22

PARAMETER	LOCATION	CONC	DL	UNITS
Lead	SC-09905-S	12.5	0.21	UG/G
Lead	SC-09906-S	24.3	0.19	UG/G
Lead	SC-09909-S	17.4	0.17	UG/G
Lead	SC-09907-S	11.3	0.19	UG/G
Lead	SC-09910-S	13.2	0.18	UG/G
Lead	SC-09908-S	21.0	0.18	UG/G
Lead	SC-09913-S	9.5	0.19	UG/G
Lead	SC-09911-S	9.1	0.19	UG/G
Lead	SC-09914-S	17.3	0.18	UG/G
Lead	SC-09912-S	17.6	0.20	UG/G
Lead	SC-09917-S	9.3	0.20	UG/G
Lead	SC-09915-S	12.7	0.18	UG/G
Lead	SC-09918-S	21.7	0.19	UG/G
Lead	SC-09916-S	14.7	0.19	UG/G
Lead	SC-09919-S	10.7	0.19	UG/G
Lead	SC-09920-S	12.1	0.20	UG/G
Lead	SC-09913-C	22.6	0.18	UG/G
Lead	SC-09911-C	26.0	0.20	UG/G
Lead	SC-09918-C	11.6	0.17	UG/G
Lead	SC-09919-C	11.9	0.19	UG/G
Lead	SC-09901-U	6.7	0.19	UG/G
Lead	SC-09902-U	2.4	0.17	UG/G

Average of Lead values is 14.345 UG/G, which is below ALARA of 240.0 UG/G.
Maximum single value is 26 UG/G, which is below criteria, 450 UG/G.

CU099 DATA REPORT (CONTINUED)

PCBs

NUMBER OF PCB SAMPLES IN DATABASE FOR THIS CU IS: 11

PARAMETER	LOCATION	CONC	DL	UNITS
PCB	SC-10421-S	220	37	UG/KG
PCB	SC-10422-S	0	39	UG/KG
PCB	SC-09905-S	0	44	UG/KG
PCB	SC-09906-S	0	40	UG/KG
PCB	SC-09907-S	0	40	UG/KG
PCB	SC-09908-S	0	38	UG/KG
PCB	SC-09912-S	0	42	UG/KG
PCB	SC-09916-S	0	40	UG/KG
PCB	SC-09920-S	0	41	UG/KG
PCB	SC-09901-U	0	39	UG/KG
PCB	SC-09902-U	0	35	UG/KG

Average of PCB values is 20.0 UG/KG, which is below ALARA of 650 UG/KG.
Maximum single value is 220 UG/KG, which is below criteria, 8000 UG/KG.

Weldon Spring Site Remedial Action Project
7295 Highway 94 South, St. Charles, Missouri, 63304

ES&H 1.2.1.1, Rev. 1, 03/96

SOIL CONFIRMATION REMEDIATION DISPOSITION FORM

SECTION I

1. Work Package Number: WP420 2. Date: 12/02/96 3. Review Form #: 96-095

4. Remediation Unit Number: RU009 5. Confirmation Unit Number: CU100 (map attached)

6. Contaminants of Concern: X U-238 ___ Th-230 ___ Th-232 ___ Ra-226 ___ Ra-228
X TNT ___ PCB ___ PAH ___ As X Cr ___ Pb ___ Tl

7. Results average below ALARA goal(s)?	X Yes	___ No
8. All results below cleanup criteria?	X Yes	___ No
9. Any results greater than 3X criteria?	___ Yes	X No
10. Hotspots present (less than 3X criteria)?	___ Yes	X No

Parameter	Size	Concentration	Complies with Plan?
N/A			___ Yes ___ No
			___ Yes ___ No
			___ Yes ___ No
			___ Yes ___ No

11. Reviewer: Melissa H Lietz Date: 12/02/96

12. Reviewer Disposition Recommendation: X Release for Unrestricted Use (Section II)
___ Additional Excavation Required (Section IV)
___ ALARA Committee Required (Section III)

SECTION II

Results are ALARA. CU is released for unrestricted use.

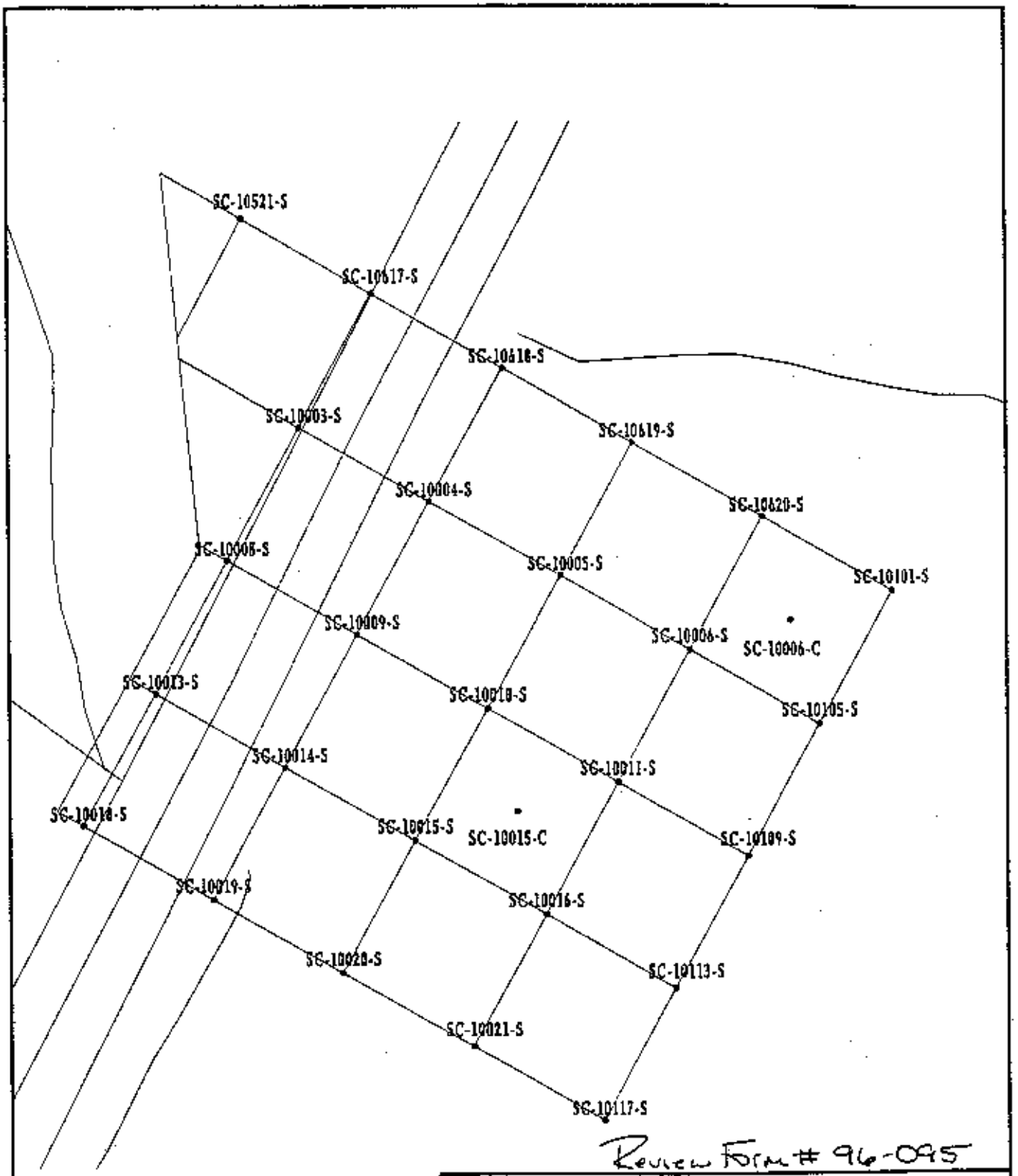
14. ES&H Manager: Date: 12/02/96

15. DOE Project Manager/Engineer: Date: 12/2/96

16. Project Manager: Date: 12/2/96

17. Construction Engineer: Daniel L. Capps Date: 12/2/96

SEE ATTACHED RESULTS AND MAP



Review Form # 96-095

10 5 0 METERS

30 15 0 FEET

Sample Locations in Remedial Unit RU009 Confirmation Unit CU100

Figure B-81

EXHIBIT NO.: A/CP/163/1295		REPORT NO.: DOE/OR/21548-590	
ORIGINATOR: MGL	DRAWN BY: WSSRAP GIS	DATE: 3/96	

CU100 DATA REPORT

URANIUM-238

NUMBER OF URANIUM-238 SAMPLES IN DATABASE FOR THIS CU IS: 26

PARAMETER	LOCATION	CONC	DL	UNITS
URANIUM-238	SC-10521-S	1.66	3.32	PCI/G
URANIUM-238	SC-10617-S	2.39	2.97	PCI/G
URANIUM-238	SC-10618-S	1.60	3.20	PCI/G
URANIUM-238	SC-10003-S	2.00	4.00	PCI/G
URANIUM-238	SC-10619-S	2.19	2.76	PCI/G
URANIUM-238	SC-10004-S	1.94	3.88	PCI/G
URANIUM-238	SC-10620-S	1.58	3.16	PCI/G
URANIUM-238	SC-10008-S	2.86	3.24	PCI/G
URANIUM-238	SC-10005-S	1.56	3.12	PCI/G
URANIUM-238	SC-10101-S	1.83	3.65	PCI/G
URANIUM-238	SC-10009-S	3.51	3.08	PCI/G
URANIUM-238	SC-10006-S	2.17	4.33	PCI/G
URANIUM-238	SC-10013-S	5.17	3.05	PCI/G
URANIUM-238	SC-10010-S	1.52 23	3.05	PCI/G
URANIUM-238	SC-10105-S	1.96	3.92	PCI/G
URANIUM-238	SC-10014-S	2.17	4.33	PCI/G
URANIUM-238	SC-10011-S	2.10	4.19	PCI/G
URANIUM-238	SC-10018-S	6.00	2.49	PCI/G
URANIUM-238	SC-10015-S	1.55	3.11	PCI/G
URANIUM-238	SC-10109-S	1.55	3.11	PCI/G
URANIUM-238	SC-10019-S	27.89	4.23	PCI/G
URANIUM-238	SC-10016-S	1.55	3.10	PCI/G
URANIUM-238	SC-10020-S	1.99	3.97	PCI/G
URANIUM-238	SC-10113-S	2.04	3.36	PCI/G
URANIUM-238	SC-10021-S	1.54	3.09	PCI/G
URANIUM-238	SC-10117-S	2.33	4.65	PCI/G

Average of URANIUM-238 values is 3.26 PCI/G, which is below ALARA, 30.00 PCI/G.
Maximum single value is 27.89 PCI/G, which is below criteria, 120.00 PCI/G.

CU100 DATA REPORT (CONTINUED)

CHROMIUM

NUMBER OF CHROMIUM SAMPLES IN DATABASE FOR THIS CU IS: 16

PARAMETER	LOCATION	CONC	DL	UNITS
CHROMIUM	SC-10004-S	21.7	1.1	UG/G
CHROMIUM	SC-10005-S	16.7	1.1	UG/G
CHROMIUM	SC-10006-C	39.1	1.1	UG/G
CHROMIUM	SC-10006-S	25.7	1.1	UG/G
CHROMIUM	SC-10009-S	24.0	1.1	UG/G
CHROMIUM	SC-10010-S	22.1	1.1	UG/G
CHROMIUM	SC-10011-S	23.6	1.1	UG/G
CHROMIUM	SC-10015-C	16.6	1.1	UG/G
CHROMIUM	SC-10015-S	16.0	1.1	UG/G
CHROMIUM	SC-10016-S	19.0	1.1	UG/G
CHROMIUM	SC-10618-S	20.0	1.1	UG/G
CHROMIUM	SC-10619-S	23.1	1.1	UG/G
CHROMIUM	SC-10620-S	12.4	1.1	UG/G
CHROMIUM	SC-10101-S	14.4	1.1	UG/G
CHROMIUM	SC-10105-S	18.6	1.1	UG/G
CHROMIUM	SC-10109-S	16.1	1.1	UG/G

Average of CHROMIUM values is 20.57 UG/G, which is below ALARA.
Maximum single value is 39.1 UG/G, which is below criteria.

TNT

NUMBER OF TNT SAMPLES IN DATABASE FOR THIS CU IS: 3

PARAMETER	LOCATION	CONC	DL	UNITS
TNT	SC-10105-S	1.3	0.038	UG/G
TNT	SC-10006-S	0.004	0.0076	UG/G
TNT	SC-10006-C	0.004	0.0075	UG/G

Average of TNT values is 0.44 UG/G, which is below ALARA of 14 UG/G.
Maximum single value is 1.3 UG/G, which is below criteria of 140 UG/G.

Weldon Spring Site Remedial Action Project
7295 Highway 94 South, St. Charles, Missouri, 63304

ES&H 1.2.1.1, Rev. 1, 03/96

SOIL CONFIRMATION REMEDIATION DISPOSITION FORM

SECTION I

1. Work Package Number: WP420 2. Date: 12/02/96 3. Review Form #: 96-096

4. Remediation Unit Number: RU009 5. Confirmation Unit Number: CU101 (map attached)

6. Contaminants of Concern: X U-238 ___ Th-230 ___ Th-232 X Ra-226 X Ra-228
X TNT X PCB ___ PAH ___ As X Cr ___ Pb ___ Tl

7. Results average below ALARA goal(s)?	X Yes	___ No
8. All results below cleanup criteria?	X Yes	___ No
9. Any results greater than 3X criteria?	___ Yes	X No
10. Hotspots present (less than 3X criteria)?	___ Yes	X No

Parameter	Size	Concentration	Complies with Plan?
N/A			___ Yes ___ No
			___ Yes ___ No
			___ Yes ___ No
			___ Yes ___ No

11. Reviewer: [signature] Date: 12/2/96

12. Reviewer Disposition Recommendation: X Release for Unrestricted Use (Section II)
___ Additional Excavation Required (Section IV)
___ ALARA Committee Required (Section III)

SECTION II *Results are ALARA. CU is released for unrestricted use.*

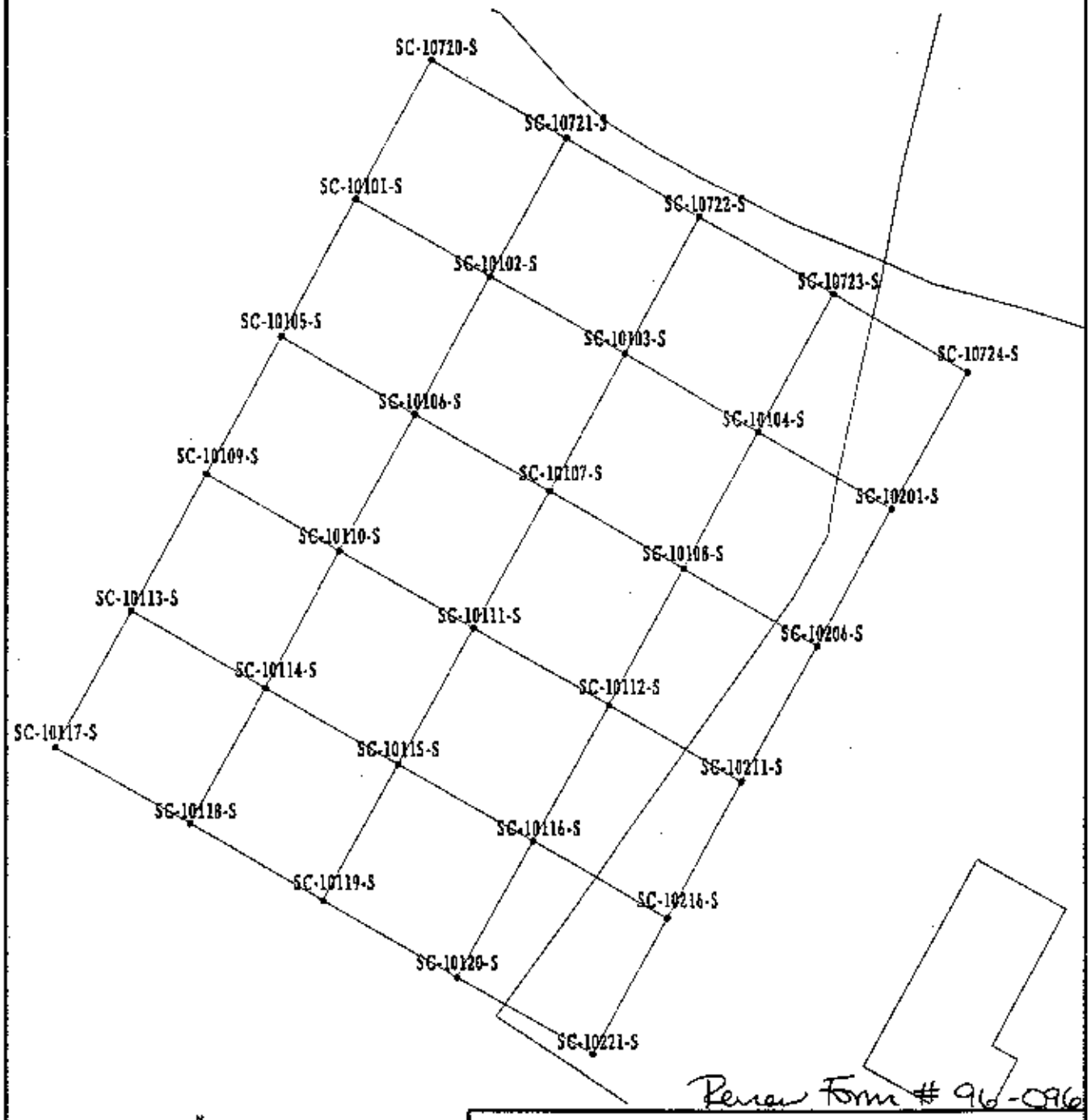
14. ES&H Manager: [signature] Date: 12/9/96

15. DOE Project Manager/Engineer: [signature] Date: 12/2/96

16. Project Manager: [signature] Date: 12/2/96

17. Construction Engineer: [signature] Date: 12/2/96

SEE ATTACHED RESULTS AND MAP



Revision Form # 96-096

10 5 0 METERS

30 15 0 FEET

Sample Locations in Remedial Unit RU009 Confirmation Unit CU101

Figure B-82

EXHIBIT NO.: A/CP/164/1295		REPORT NO.: DOE/OR/21548-590	
ORIGINATOR: MGL	DRAWN BY: WSSRAP GIS	DATE: 3/96	

CU101 DATA REPORT

URANIUM-238

NUMBER OF URANIUM-238 SAMPLES IN DATABASE FOR THIS CU IS: 30

PARAMETER	LOCATION	CONC	DL	UNITS
URANIUM-238	SC-10720-S	2.08	4.15	PCI/G
URANIUM-238	SC-10721-S	1.5~~72~~ MGL 9.18.97	3.03	PCI/G
URANIUM-238	SC-10101-S	1.83	3.65	PCI/G
URANIUM-238	SC-10722-S	2.19	4.39	PCI/G
URANIUM-238	SC-10102-S	1.58	3.16	PCI/G
URANIUM-238	SC-10723-S	13.76	3.62	PCI/G
URANIUM-238	SC-10105-S	1.96	3.92	PCI/G
URANIUM-238	SC-10103-S	2.17	4.34	PCI/G
URANIUM-238	SC-10724-S	2.58	3.01	PCI/G
URANIUM-238	SC-10106-S	2.06	4.12	PCI/G
URANIUM-238	SC-10104-S	1.85	1.89	PCI/G
URANIUM-238	SC-10109-S	1.55	3.11	PCI/G
URANIUM-238	SC-10107-S	1.52	3.04	PCI/G
URANIUM-238	SC-10201-S	2.02	4.03	PCI/G
URANIUM-238	SC-10110-S	2.08	4.17	PCI/G
URANIUM-238	SC-10108-S	2.48	2.35	PCI/G
URANIUM-238	SC-10113-S	2.04	3.36	PCI/G
URANIUM-238	SC-10111-S	1.53	3.07	PCI/G
URANIUM-238	SC-10206-S	1.96	3.92	PCI/G
URANIUM-238	SC-10114-S	2.06	4.12	PCI/G
URANIUM-238	SC-10112-S	1.83	2.42	PCI/G
URANIUM-238	SC-10117-S	2.33	4.65	PCI/G
URANIUM-238	SC-10115-S	1.60	3.19	PCI/G
URANIUM-238	SC-10211-S	2.12	4.23	PCI/G
URANIUM-238	SC-10118-S	1.55	3.11	PCI/G
URANIUM-238	SC-10116-S	2.10	4.19	PCI/G
URANIUM-238	SC-10119-S	1.65	3.30	PCI/G
URANIUM-238	SC-10216-S	2.04	4.08	PCI/G
URANIUM-238	SC-10120-S	1.89	3.77	PCI/G
URANIUM-238	SC-10221-S	2.15	4.29	PCI/G

Average of URANIUM-238 values is 2.34 PCI/G, which is below ALARA, 30.00 PCI/G.
Maximum single value is 13.76 PCI/G, which is below criteria, 120.00 PCI/G.

RADIUM-226

NUMBER OF RADIUM-226 SAMPLES IN DATABASE FOR THIS CU IS: 1

PARAMETER	LOCATION	CONC	DL	UNITS
RADIUM-226	SC-10221-S	2.20	0.34	PCI/G

Average of RADIUM-226 values is 2.20 PCI/G, which is below ALARA, 5.00 PCI/G.
Maximum single value is 2.20 PCI/G, which is below criteria, 6.20 PCI/G.

RADIUM-228

NUMBER OF RADIUM-228 SAMPLES IN DATABASE FOR THIS CU IS: 1

PARAMETER	LOCATION	CONC	DL	UNITS
RADIUM-228	SC-10221-S	0.5~~8~~9	1.17	PCI/G

MGL 9.18.97

9 MGL 9.18.97

Average of RADIUM-228 values is 0.5~~8~~ PCI/G, which is below ALARA, 5.00 PCI/G.
Maximum single value is 0.5~~8~~ PCI/G, which is below criteria, 6.20 PCI/G.

9 MGL 9.18.97

CU101 DATA REPORT (CONTINUED)

CHROMIUM

NUMBER OF CHROMIUM SAMPLES IN DATABASE FOR THIS CU IS: 7

PARAMETER	LOCATION	CONC	DL	UNITS
CHROMIUM	SC-10101-S	14.4	1.1	UG/G
CHROMIUM	SC-10102-S	23.8	1.1	UG/G
CHROMIUM	SC-10105-S	18.6	1.1	UG/G
CHROMIUM	SC-10106-S	15.3	1.1	UG/G
CHROMIUM	SC-10109-S	16.1	1.1	UG/G
CHROMIUM	SC-10720-S	17.3	1.1	UG/G
CHROMIUM	SC-10721-S	19.5	1.1	UG/G

Average of CHROMIUM values is 17.86 UG/G, which is below ALARA.
Maximum single value is 23.8 UG/G, which is below criteria.

PCB

NUMBER OF PCB SAMPLES IN DATABASE FOR THIS CU IS: 5

PARAMETER	LOCATION	CONC	DL	UNITS
PCB	SC-10724-S	0	43	UG/KG
PCB	SC-10201-S	0	41	UG/KG
PCB	SC-10206-S	350	40	UG/KG
PCB	SC-10211-S	0	40	UG/KG
PCB	SC-10108-S	0	42	UG/KG

Average of PCB values is 70.0 UG/KG, which is below ALARA, 650 UG/KG.
Maximum single value is 350.0 UG/KG, which is below criteria, 8000 UG/KG.

TNT

NUMBER OF TNT SAMPLES IN DATABASE FOR THIS CU IS: 1

PARAMETER	LOCATION	CONC	DL	UNITS
TNT	SC-10105-S	1.3	0.038	UG/G

Average of TNT values is 1.3 UG/G, which is below ALARA of 14 UG/G.
Maximum single value is 1.3 UG/G, which is below criteria of 140 UG/G.

Weldon Spring Site Remedial Action Project
7295 Highway 94 South, St. Charles, Missouri, 63304

ES&H 1.2.1.1, Rev. 1, 03/96

SOIL CONFIRMATION REMEDIATION DISPOSITION FORM

SECTION I

1. Work Package Number: WP 420 2. Date: 11/19/96 3. Review Form #: 96-094

4. Remediation Unit Number: RU009 5. Confirmation Unit Number: CU102 (map attached)

6. Contaminants of Concern: X U-238 X Th-230 ___ Th-232 X Ra-226 X Ra-228
___ TNT X PCB ___ PAH ___ As X Cr X Pb ___ Tl

7. Results average below ALARA goal(s)?	X Yes ___ No
8. All results below cleanup criteria?	X Yes ___ No
9. Any results greater than 3X criteria?	___ Yes X No
10. Hotspots present (less than 3X criteria)?	___ Yes X No

Parameter	Size	Concentration	Complies with Plan?
N/A			___ Yes ___ No
			___ Yes ___ No
			___ Yes ___ No
			___ Yes ___ No

11. Reviewer: Melissa H. Litz Date: 11/19/96

12. Reviewer Disposition Recommendation: X Release for Unrestricted Use (Section II)
___ Additional Excavation Required (Section IV)
___ ALARA Committee Required (Section III)

SECTION II *Results are ALARA. CU is released for unrestricted use.*

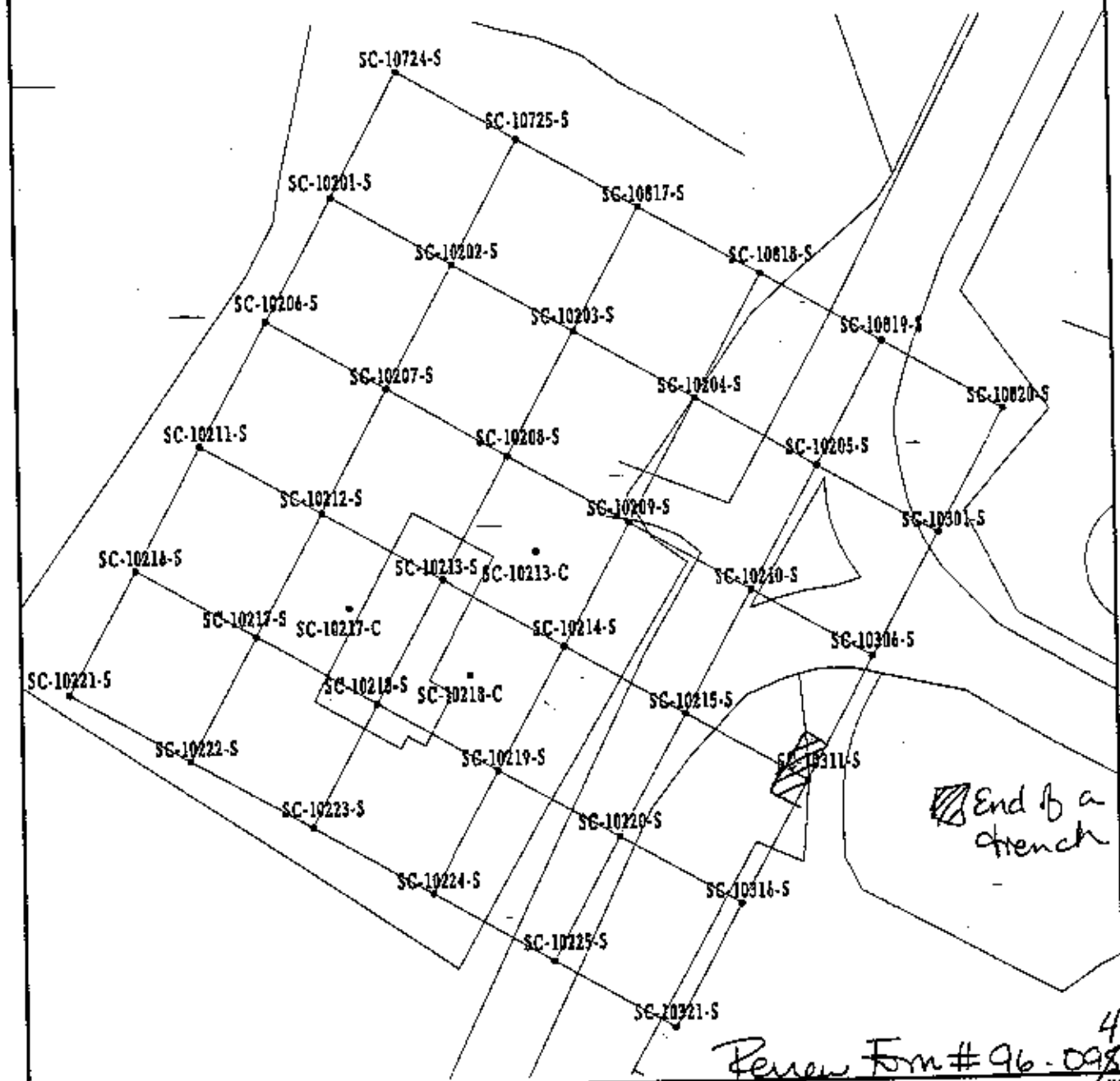
14. ES&H Manager: for ICR Date: 11/20/96

15. DOE Project Manager/Engineer: Thomas C. Pauling Date: 11/20/96

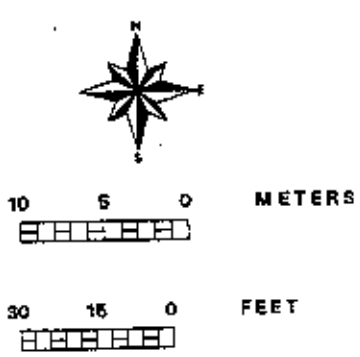
16. Project Manager: Date: 11/20/96

17. Construction Engineer: Daniel L. Capps Date: 11/20/96

SEE ATTACHED RESULTS AND MAP



Review Form # 96-094



Sample Locations in Remedial Unit RU009
Confirmation Unit CU102

Figure B-83

EXHIBIT NO.: A/CP/165/1295		REPORT NO.: DOE/OR/21548-590	
ORIGINATOR: MGL	DRAWN BY: WSSRAP GIS	DATE: 3/96	

CU102 DATA REPORT

URANIUM-238

NUMBER OF URANIUM-238 SAMPLES IN DATABASE FOR THIS CU IS: 36

PARAMETER	LOCATION	CONC	DL	UNITS
URANIUM-238	SC-10724-S	2.58	3.01	PCI/G
URANIUM-238	SC-10725-S	1.60	3.19	PCI/G
URANIUM-238	SC-10201-S	2.02	4.03	PCI/G
URANIUM-238	SC-10817-S	2.52	5.05	PCI/G
URANIUM-238	SC-10202-S	2.21	4.41	PCI/G
URANIUM-238	SC-10818-S	4.79	3.17	PCI/G
URANIUM-238	SC-10206-S	1.96	3.92	PCI/G
URANIUM-238	SC-10203-S	1.69	3.37	PCI/G
URANIUM-238	SC-10819-S	2.11	4.22	PCI/G
URANIUM-238	SC-10207-S	2.05	4.10	PCI/G
URANIUM-238	SC-10204-S	4.29	3.17	PCI/G
URANIUM-238	SC-10820-S	3.56	3.23	PCI/G
URANIUM-238	SC-10211-S	2.12	4.23	PCI/G
URANIUM-238	SC-10208-S	2.88	2.71	PCI/G
URANIUM-238	SC-10205-S	2.84	2.57	PCI/G
URANIUM-238	SC-10212-S	1.55	3.11	PCI/G
URANIUM-238	SC-10209-S	4.62	3.00	PCI/G
URANIUM-238	SC-10216-S	2.04	4.08	PCI/G
URANIUM-238	SC-10213-S	1.89	2.44	PCI/G
URANIUM-238	SC-10210-S	3.12	2.57	PCI/G
URANIUM-238	SC-10217-S	2.09	4.18	PCI/G
URANIUM-238	SC-10214-S	2.13	4.25	PCI/G
URANIUM-238	SC-10221-S	2.15	4.29	PCI/G
URANIUM-238	SC-10218-S	1.98	3.95	PCI/G
URANIUM-238	SC-10215-S	2.86	3.41	PCI/G
URANIUM-238	SC-10222-S	1.69	3.38	PCI/G
URANIUM-238	SC-10219-S	1.50	2.99	PCI/G
URANIUM-238	SC-10311-S	1.50	3.01	PCI/G
URANIUM-238	SC-10223-S	2.19	4.38	PCI/G
URANIUM-238	SC-10220-S	1.95	3.89	PCI/G
URANIUM-238	SC-10224-S	1.97	3.94	PCI/G
URANIUM-238	SC-10225-S	1.96	3.91	PCI/G
URANIUM-238	SC-10321-S	1.77	3.54	PCI/G
URANIUM-238	SC-10301-S	1.91	3.82	PCI/G
URANIUM-238	SC-10306-S	1.57	3.13	PCI/G
URANIUM-238	SC-10316-S	2.23	4.45	PCI/G

Average of URANIUM-238 values is 2.33 PCI/G, which is below ALARA, 30.00 PCI/G.
Maximum single value is 4.79 PCI/G, which is below criteria, 120.00 PCI/G.

CU102 DATA REPORT (CONTINUED)

THORIUM-230

NUMBER OF Thorium-230 SAMPLES IN DATABASE FOR THIS CU IS: 10

PARAMETER	LOCATION	CONC	DL	UNITS
Thorium-230	SC-10212-S	1.07	0.72	PCI/G
Thorium-230	SC-10213-S	0.97	0.72	PCI/G
Thorium-230	SC-10217-S	1.15	0.72	PCI/G
Thorium-230	SC-10218-S	1.15	0.72	PCI/G
Thorium-230	SC-10222-S	1.38	0.72	PCI/G
Thorium-230	SC-10311-S	1.06	0.72	PCI/G
Thorium-230	SC-10223-S	1.35	0.72	PCI/G
Thorium-230	SC-10213-C	1.43	0.72	PCI/G
Thorium-230	SC-10217-C	1.29	0.72	PCI/G
Thorium-230	SC-10218-C	1.43	0.72	PCI/G

Average of Thorium-230 values is 1.23 PCI/G, which is below ALARA, 5.00 PCI/G.
Maximum single value is 1.43 PCI/G, which is below criteria, 6.20 PCI/G.

RADIUM-226

NUMBER OF RADIUM-226 SAMPLES IN DATABASE FOR THIS CU IS: 3

PARAMETER	LOCATION	CONC	DL	UNITS
RADIUM-226	SC-10221-S	2.20	0.34	PCI/G
RADIUM-226	SC-10222-S	2.72	0.32	PCI/G
RADIUM-226	SC-10311-S	2.25	0.27	PCI/G

Average of RADIUM-226 values is 2.39 PCI/G, which is below ALARA, 5.00 PCI/G.
Maximum single value is 2.72 PCI/G, which is below criteria, 6.20 PCI/G.

RADIUM-228

NUMBER OF RADIUM-228 SAMPLES IN DATABASE FOR THIS CU IS: 3

PARAMETER	LOCATION	CONC	DL	UNITS
RADIUM-228	SC-10221-S	0.58	1.17	PCI/G
RADIUM-228	SC-10222-S	1.48	0.49	PCI/G
RADIUM-228	SC-10311-S	1.20	0.33	PCI/G

Average of RADIUM-228 values is 1.09 PCI/G, which is below ALARA, 5.00 PCI/G.
Maximum single value is 1.48 PCI/G, which is below criteria, 6.20 PCI/G.

CU102 DATA REPORT (CONTINUED)

CHROMIUM

NUMBER OF Chromium SAMPLES IN DATABASE FOR THIS CU IS: 1

PARAMETER	LOCATION	CONC	DL	UNITS
Chromium	SC-10311-S	13.70	0.38	UG/G

Average of Chromium values is 13.70 UG/KG, which is below ALARA, 90.00 UG/KG.
Maximum single value is 13.70 UG/KG, which is below criteria, 110.00 UG/KG.

LEAD

NUMBER OF Lead SAMPLES IN DATABASE FOR THIS CU IS: 1

PARAMETER	LOCATION	CONC	DL	UNITS
Lead	SC-10311-S	6.90	0.20	UG/G

Average of Lead values is 6.90 UG/KG, which is below ALARA, 240.00 UG/KG.
Maximum single value is 6.90 UG/KG, which is below criteria, 450 UG/KG.

PCB

NUMBER OF PCB SAMPLES IN DATABASE FOR THIS CU IS: 23

PARAMETER	LOCATION	CONC	DL	UNITS
PCB	SC-10817-S	0	43	UG/KG
PCB	SC-10818-S	0	42	UG/KG
PCB	SC-10201-S	0	41	UG/KG
PCB	SC-10202-S	0	65	UG/KG
PCB	SC-10203-S	0	39	UG/KG
PCB	SC-10204-S	0	42	UG/KG
PCB	SC-10206-S	350	40	UG/KG
PCB	SC-10207-S	0	41	UG/KG
PCB	SC-10208-S	52	41	UG/KG
PCB	SC-10209-S	0	42	UG/KG
PCB	SC-10211-S	0	40	UG/KG
PCB	SC-10212-S	0	42	UG/KG
PCB	SC-10213-C	89	42	UG/KG
PCB	SC-10213-S	0	42	UG/KG
PCB	SC-10217-C	0	43	UG/KG
PCB	SC-10217-S	0	42	UG/KG
PCB	SC-10218-C	0	42	UG/KG
PCB	SC-10218-S	0	43	UG/KG
PCB	SC-10222-S	0	42	UG/KG
PCB	SC-10311-S	733	42	UG/KG
PCB	SC-10223-S	0	37	UG/KG
PCB	SC-10724-S	0	43	UG/KG
PCB	SC-10725-S	0	41	UG/KG

Average of PCB values is 53.2 UG/KG, which is below ALARA, 650 UG/KG.
Maximum single value is 733 UG/KG, which is below criteria, 8000 UG/KG.

Weldon Spring Site Remedial Action Project
7295 Highway 94 South, St. Charles, Missouri, 63304

ES&H 1.2.1.1, Rev. 1, 03/96

SOIL CONFIRMATION REMEDIATION DISPOSITION FORM

SECTION I

1. Work Package Number: WP420 2. Date: 11/05/~~94~~ 96 MGH 04.10.97 3. Review Form #: 96-091

4. Remediation Unit Number: RU009 5. Confirmation Unit Number: CU103 (map attached)

6. Contaminants of Concern: X U-238 X Th-230 ___ Th-232 X Ra-226 X Ra-228
___ TNT X PCB ___ PAH ___ As X Cr X Pb ___ Tl
+ BTEX and TPH

7. Results average below ALARA goal(s)?	X Yes ___ No
8. All results below cleanup criteria?	X Yes ___ No
9. Any results greater than 3X criteria?	___ Yes X No
10. Hotspots present (less than 3X criteria)?	___ Yes X No

Parameter	Size	Concentration	Complies with Plan?
N/A			___ Yes ___ No
			___ Yes ___ No
			___ Yes ___ No
			___ Yes ___ No

11. Reviewer: Melissa H Lutz Date: 11/5/~~94~~ 96 MGH 04.10.97

12. Reviewer Disposition Recommendation: X Release for Unrestricted Use (Section II)
___ Additional Excavation Required (Section IV)
___ ALARA Committee Required (Section III)

SECTION II *Results are ALARA. CU is released for unrestricted use.*

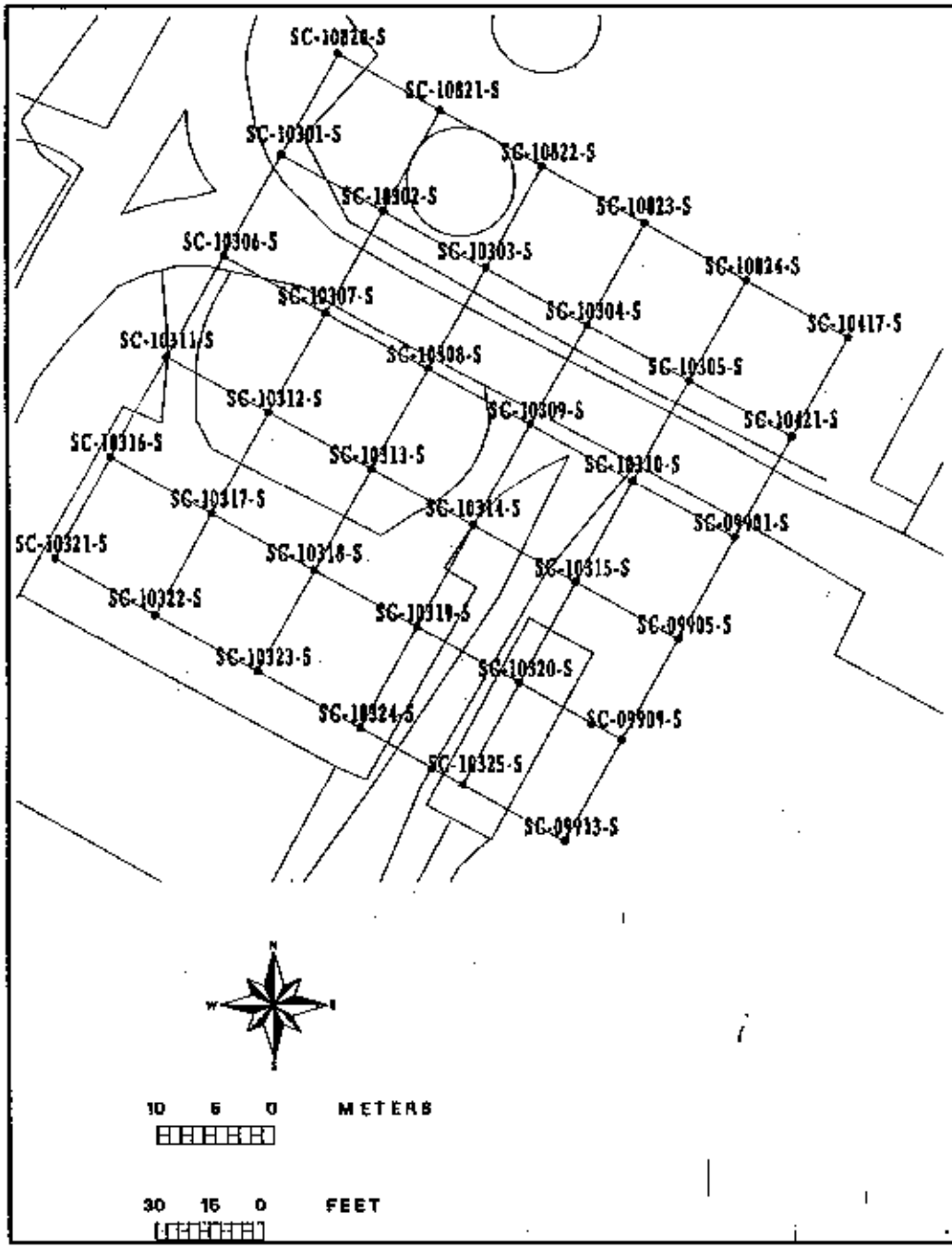
14. ES&H Manager: [signature] for KSM Date: 11/5/96

15. DOE Project Manager/Engineer: [signature] Date: 11/5/96

16. Project Manager: [signature] Date: 11/5/96

17. Construction Engineer: Darrell L. Capps Date: 11-5-96

SEE ATTACHED RESULTS AND MAP



Review Form #96-091

Sample Locations in Remedial Unit RU009
Confirmation Unit CU103

Figure B-84

EXHIBIT NO.: A/CP/166/1295		REPORT NO.: DOE/OR/21548-590	
ORIGINATOR: MGL	DRAWN BY: WSSRAP GIS	DATE: 3/96	

CU103 DATA REPORT

URANIUM-238

NUMBER OF URANIUM-238 SAMPLES IN DATABASE FOR THIS CU IS: 36

PARAMETER	LOCATION	CONC	DL	UNITS
URANIUM-238	SC-10820-S	3.56	3.23	PCI/G
URANIUM-238	SC-10821-S	2.38	4.76	PCI/G
URANIUM-238	SC-10822-S	17.72	4.51	PCI/G
URANIUM-238	SC-10823-S	1.61	3.22	PCI/G
URANIUM-238	SC-10824-S	2.06	4.11	PCI/G
URANIUM-238	SC-10417-S	2.13	4.26	PCI/G
URANIUM-238	SC-10311-S	1.50 1 MGH	3.01	PCI/G
URANIUM-238	SC-10312-S	3.25 9.19.97	2.92	PCI/G
URANIUM-238	SC-10421-S	9.04	3.25	PCI/G
URANIUM-238	SC-10313-S	2.50	2.44	PCI/G
URANIUM-238	SC-10314-S	2.07	4.14	PCI/G
URANIUM-238	SC-09901-S	1.97	3.94	PCI/G
URANIUM-238	SC-10321-S	1.77	3.54	PCI/G
URANIUM-238	SC-10315-S	1.63	3.26	PCI/G
URANIUM-238	SC-10322-S	1.90	3.79	PCI/G
URANIUM-238	SC-09905-S	1.56 6 MGH	3.11	PCI/G
URANIUM-238	SC-10323-S	4.87 9.19.97	2.15	PCI/G
URANIUM-238	SC-10324-S	1.56	3.12	PCI/G
URANIUM-238	SC-09909-S	2.19	4.37	PCI/G
URANIUM-238	SC-10325-S	1.96	3.92	PCI/G
URANIUM-238	SC-09913-S	3.46	4.16	PCI/G
URANIUM-238	SC-10301-S	1.91	3.82	PCI/G
URANIUM-238	SC-10302-S	9.66	4.70	PCI/G
URANIUM-238	SC-10303-S	3.04	2.66	PCI/G
URANIUM-238	SC-10304-S	2.02	4.03	PCI/G
URANIUM-238	SC-10305-S	1.73	3.46	PCI/G
URANIUM-238	SC-10306-S	1.57	3.13	PCI/G
URANIUM-238	SC-10307-S	2.15	4.30	PCI/G
URANIUM-238	SC-10308-S	2.16	4.31	PCI/G
URANIUM-238	SC-10309-S	1.95	3.89	PCI/G
URANIUM-238	SC-10310-S	1.55	3.10	PCI/G
URANIUM-238	SC-10316-S	2.23	4.45	PCI/G
URANIUM-238	SC-10317-S	4.08	2.14	PCI/G
URANIUM-238	SC-10318-S	4.18	3.15	PCI/G
URANIUM-238	SC-10319-S	2.11	4.21	PCI/G
URANIUM-238	SC-10320-S	2.47	1.90	PCI/G

Average of URANIUM-238 values is 3.1~~6~~ 5 MGH 9.19.97 pci/g, which is below ALARA, 30.00 pci/g.
Maximum single value is 17.72 pci/g, which is below criteria, 120.00 pci/g.

CU103 DATA REPORT

THORIUM-230

NUMBER OF Thorium-230 SAMPLES IN DATABASE FOR THIS CU IS: 8

PARAMETER	LOCATION	CONC	DL	UNITS
Thorium-230	SC-10417-S	0.80	0.72	PCI/G
Thorium-230	SC-10311-S	1.06	0.72	PCI/G
Thorium-230	SC-10312-S	1.60	0.72	PCI/G
Thorium-230	SC-10421-S	0.91	0.72	PCI/G
Thorium-230	SC-10313-S	0.76	0.72	PCI/G
Thorium-230	SC-10314-S	1.22	0.72	PCI/G
Thorium-230	SC-10315-S	0.74	0.72	PCI/G
Thorium-230	SC-09905-S	0.85	0.72	PCI/G

Average of Thorium-230 values is 0.99 pci/g, which is below ALARA, 5.00 pci/g.
Maximum single value is 1.60 pci/g, which is below criteria, 6.20 pci/g.

RADIUM-226

NUMBER OF RADIUM-226 SAMPLES IN DATABASE FOR THIS CU IS: 8

PARAMETER	LOCATION	CONC	DL	UNITS
RADIUM-226	SC-10417-S	2.00	0.29	PCI/G
RADIUM-226	SC-10311-S	2.25	0.27	PCI/G
RADIUM-226	SC-10312-S	2.66	0.32	PCI/G
RADIUM-226	SC-10421-S	2.75	0.28	PCI/G
RADIUM-226	SC-10313-S	2.13	0.31	PCI/G
RADIUM-226	SC-10314-S	2.27	0.40	PCI/G
RADIUM-226	SC-10315-S	2.22	0.31	PCI/G
RADIUM-226	SC-09905-S	1.57	0.29	PCI/G

Average of RADIUM-226 values is 2.23 pci/g, which is below ALARA, 5.00 pci/g.
Maximum single value is 2.75 pci/g, which is below criteria, 6.20 pci/g.

CU103 DATA REPORT

RADIUM-228

NUMBER OF RADIUM-228 SAMPLES IN DATABASE FOR THIS CU IS: 8

PARAMETER	LOCATION	CONC	DL	UNITS
RADIUM-228	SC-10417-S	1.15	0.64	PCI/G
RADIUM-228	SC-10311-S	1.20	0.33	PCI/G
RADIUM-228	SC-10312-S	1.08	0.58	PCI/G
RADIUM-228	SC-10421-S	1.47	0.58	PCI/G
RADIUM-228	SC-10313-S	1.32	0.41	PCI/G
RADIUM-228	SC-10314-S	1.42	0.46	PCI/G
RADIUM-228	SC-10315-S	1.22	0.39	PCI/G
RADIUM-228	SC-09905-S	1.57	0.24	PCI/G

Average of RADIUM-228 values is 1.30 pci/g, which is below ALARA, 5.00 pci/g.
Maximum single value is 1.57 pci/g, which is below criteria, 6.20 pci/g.

CHROMIUM

NUMBER OF Chromium SAMPLES IN DATABASE FOR THIS CU IS: 6

PARAMETER	LOCATION	CONC	DL	UNITS
Chromium	SC-10311-S	13.70	0.38	UG/G
Chromium	SC-10312-S	19.40	0.38	UG/G
Chromium	SC-10313-S	17.40	0.40	UG/G
Chromium	SC-10314-S	16.50	0.38	UG/G
Chromium	SC-10315-S	16.40	0.39	UG/G
Chromium	SC-09905-S	16.10	0.40	UG/G

Average of Chromium values is 16.58 ug/g, which is below ALARA, 90.00 ug/g.
Maximum single value is 19.40 ug/g, which is below criteria, 110.00 ug/g.

CU103 DATA REPORT

LEAD

NUMBER OF Lead SAMPLES IN DATABASE FOR THIS CU IS: 8

PARAMETER	LOCATION	CONC	DL	UNITS
Lead	SC-10311-S	6.90	0.20	UG/G
Lead	SC-10312-S	9.20	0.20	UG/G
Lead	SC-10313-S	11.90	0.21	UG/G
Lead	SC-10314-S	11.10	0.20	UG/G
Lead	SC-10315-S	33.80	0.21	UG/G
Lead	SC-09905-S	12.50	0.21	UG/G
Lead	SC-09909-S	17.40	0.17	UG/G
Lead	SC-09913-S	9.50	0.19	UG/G

Average of Lead values is 14.04 ug/g, which is below ALARA, 240.00 ug/g.
Maximum single value is 33.80 ug/g, which is below criteria, 450 ug/g.

PCB

NUMBER OF PCB SAMPLES IN DATABASE FOR THIS CU IS: 8

PARAMETER	LOCATION	CONC	DL	UNITS
PCB	SC-10417-S	0	40	UG/KG
PCB	SC-10311-S	733	42	UG/KG
PCB	SC-10312-S	0	42	UG/KG
PCB	SC-10421-S	220	37	UG/KG
PCB	SC-10313-S	0	44	UG/KG
PCB	SC-10314-S	84	41	UG/KG
PCB	SC-10315-S	479	43	UG/KG
PCB	SC-09905-S	0	44	UG/KG

Average of PCB values is ~~63.17~~ 189.5 ug/kg, which is below ALARA, 650 ug/kg. mah 04.10.97
Maximum single value is ~~244.33~~ 733 ug/kg, which is below criteria, 8000 ug/kg. mah 04.10.97

P.O. #3589-0002-20950
REQUEST # 20370

WSHMP_ID	LAB_ID	DATE SAMPLED	TCLP DATE	DATE EXTRA.	DATE ANALYZ.	METHOD	MATRIX	PARAMETER	CONC	ERR	UNITS	DL	DIL_FACT	CATEGORY	LAB QUAL	COMP
SC-10304-C	12656001	10/30/96			10/31/96	EPA 8020	SOIL	BENZENE	ND		UG/KG	1.3	1.00	VOLATILES	U	
SC-10304-C	12656001	10/30/96			10/31/96	EPA 8020	SOIL	TOLUENE	ND		UG/KG	1.3	1.00	VOLATILES	U	
SC-10304-C	12656001	10/30/96			10/31/96	EPA 8020	SOIL	ETHYL BENZENE	ND		UG/KG	1.3	1.00	VOLATILES	U	
SC-10304-C	12656001	10/30/96			10/31/96	EPA 8020	SOIL	XYLENES, TOTAL	ND		UG/KG	1.3	1.00	VOLATILES	U	
SC-10304-C	12656001	10/30/96		10/31/96	11/01/96	EPA CLP	SOIL	PERCENT MOISTURE	21.9		PRCNT	0.10	1.00	MISC.		
SC-10304-C	12656001	10/30/96		11/01/96	11/01/96	EPA 418.1	SOIL	TOTAL PETROLEUM HYDROCARBONS	ND		MG/G	6.37	1.00	MISC.	U	
SC-10304-C-TB	12656002	10/31/96			10/31/96	EPA 8020	WATER	BENZENE	ND		UG/L	1.0	1.00	VOLATILES	U	
SC-10304-C-TB	12656002	10/31/96			10/31/96	EPA 8020	WATER	TOLUENE	ND		UG/L	1.0	1.00	VOLATILES	U	
SC-10304-C-TB	12656002	10/31/96			10/31/96	EPA 8020	WATER	ETHYL BENZENE	ND		UG/L	1.0	1.00	VOLATILES	U	
SC-10304-C-TB	12656002	10/31/96			10/31/96	EPA 8020	WATER	XYLENES, TOTAL	ND		UG/L	1.0	1.00	VOLATILES	U	

Weldon Spring Site Remedial Action Project
7295 Highway 94 South, St. Charles, Missouri, 63304

ES&H 1.2.1.1, Rev. 1, 03/96

SOIL CONFIRMATION REMEDIATION DISPOSITION FORM

SECTION I

1. Work Package Number: WP420 2. Date: 10/17/96 3. Review Form #: 96-084

4. Remediation Unit Number: RU009 5. Confirmation Unit Number: CU104 (map attached)

6. Contaminants of Concern: X U-238 X Th-230 ___ Th-232 X Ra-226 X Ra-228
___ TNT X PCB ___ PAH ___ As ___ Cr ___ Pb ___ Tl

7. Results average below ALARA goal(s)?	X Yes ___ No
8. All results below cleanup criteria?	X Yes ___ No
9. Any results greater than 3X criteria?	___ Yes X No
10. Hotspots present (less than 3X criteria)?	___ Yes X No

Parameter	Size	Concentration	Complies with Plan?
N/A			___ Yes ___ No
			___ Yes ___ No
			___ Yes ___ No
			___ Yes ___ No

11. Reviewer: Melissa H Lutz Date: 10/17/96

12. Reviewer Disposition Recommendation: X Release for Unrestricted Use (Section II)
___ Additional Excavation Required (Section IV)
___ ALARA Committee Required (Section III)

SECTION II *Results are ALARA. CU is released for unrestricted use.*

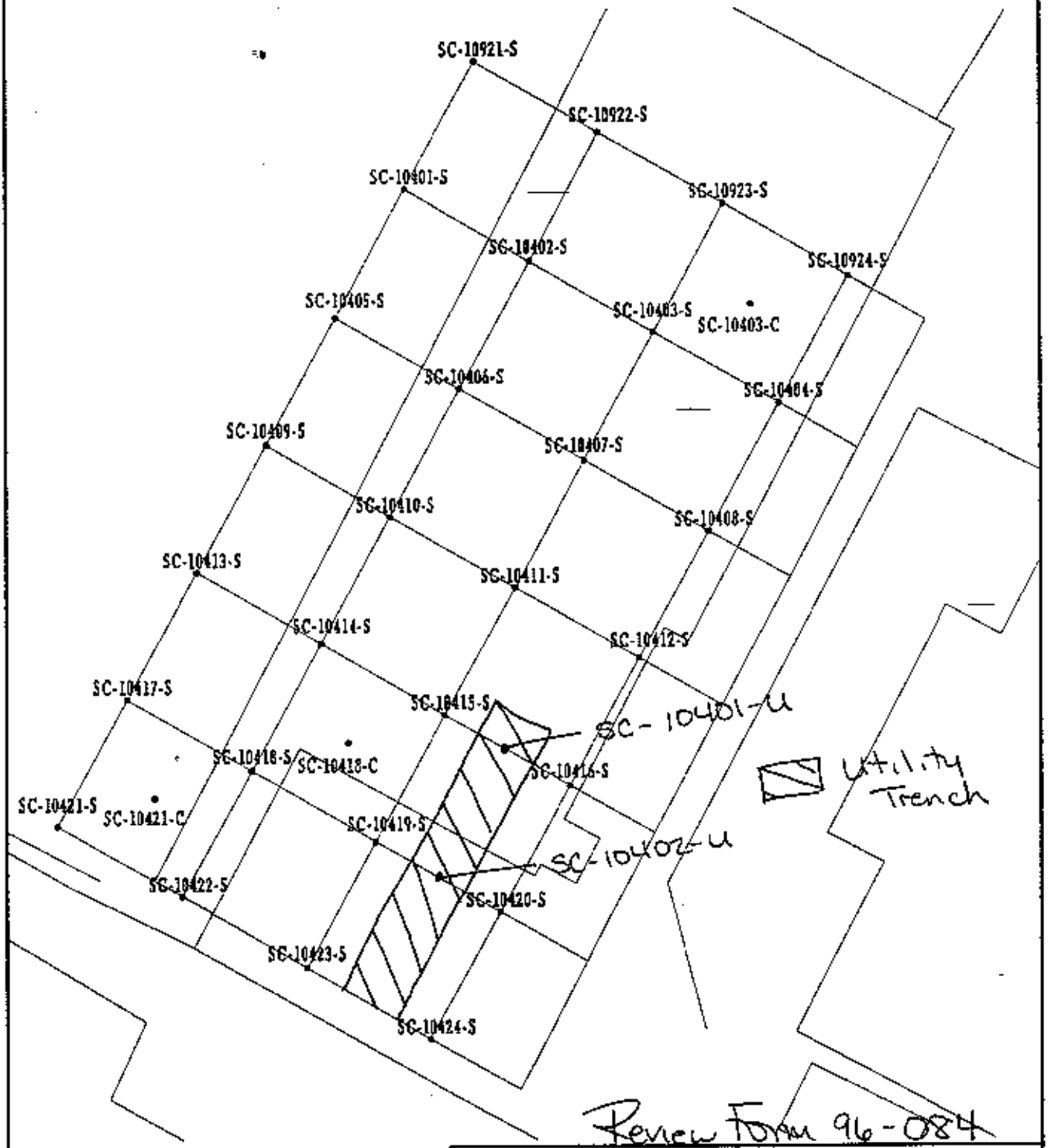
14. ES&H Manager: [signature] Date: 10/18/96

15. DOE Project Manager/Engineer: Thomas C. Pauling Date: 10/17/96

16. Project Manager: Joseph P Delaney for Gary Beyer Date: 10/17/96

17. Construction Engineer: Darrell L. Capper Date: 10-17-96

SEE ATTACHED RESULTS AND MAP



Review Form 96-084

10 5 0 METERS

30 15 0 FEET

Sample Locations in Remedial Unit RU009 Confirmation Unit CU104

Figure B-85

EXHIBIT NO.: A/CP/167/1295		REPORT NO.: DOE/OR/21548-590	
ORIGINATOR: MGL	DRAWN BY: WSSRAP GIS	DATE: 3/96	

10/17/96

CU104 DATA REPORT

URANIUM-238

NUMBER OF URANIUM-238 SAMPLES IN DATABASE FOR THIS CU IS: 33

PARAMETER	LOCATION	CONC	DL	UNITS
URANIUM-238	SC-10921-S	2.15	4.31	PCI/G
URANIUM-238	SC-10922-S	1.95	3.89	PCI/G
URANIUM-238	SC-10401-S	11.94	4.87	PCI/G
URANIUM-238	SC-10923-S	1.70	1.80	PCI/G
URANIUM-238	SC-10402-S	2.50	2.74	PCI/G
URANIUM-238	SC-10924-S	10.23	2.51	PCI/G
URANIUM-238	SC-10405-S	1.93	3.86	PCI/G
URANIUM-238	SC-10403-S	2.15	4.31	PCI/G
URANIUM-238	SC-10406-S	1.56	3.12	PCI/G
URANIUM-238	SC-10404-S	2.06	4.11	PCI/G
URANIUM-238	SC-10409-S	5.03	4.47	PCI/G
URANIUM-238	SC-10407-S	1.57	3.14	PCI/G
URANIUM-238	SC-10410-S	1.48	2.96	PCI/G
URANIUM-238	SC-10408-S	1.99	3.98	PCI/G
URANIUM-238	SC-10413-S	1.70	3.39	PCI/G
URANIUM-238	SC-10411-S	1.96	3.91	PCI/G
URANIUM-238	SC-10414-S	1.89	3.77	PCI/G
URANIUM-238	SC-10412-S	1.55	3.11	PCI/G
URANIUM-238	SC-10417-S	2.13	4.26	PCI/G
URANIUM-238	SC-10415-S	1.52	3.04	PCI/G
URANIUM-238	SC-10418-S	1.46	2.92	PCI/G
URANIUM-238	SC-10416-S	2.02	4.03	PCI/G
URANIUM-238	SC-10421-S	9.04	3.25	PCI/G
URANIUM-238	SC-10419-S	1.47	2.93	PCI/G
URANIUM-238	SC-10422-S	2.52	2.88	PCI/G
URANIUM-238	SC-10420-S	3.38	2.26	PCI/G
URANIUM-238	SC-10423-S	1.89	3.77	PCI/G
URANIUM-238	SC-10424-S	8.67	3.44	PCI/G
URANIUM-238	SC-10403-C	1.62	3.24	PCI/G
URANIUM-238	SC-10418-C	1.90	3.80	PCI/G
URANIUM-238	SC-10421-C	4.14	3.79	PCI/G
URANIUM-238	SC-10401-U	2.02	4.04	PCI/G
URANIUM-238	SC-10402-U	1.47	2.93	PCI/G

Average of URANIUM-238 values is 3.05 PCI/G, which is below ALARA, 30.00 PCI/G.
Maximum single value is 11.94 PCI/G. Which is below criteria, 120.00 PCI/G.

CU104 DATA REPORT (CONTINUED)

THORIUM-230

NUMBER OF Thorium-230 SAMPLES IN DATABASE FOR THIS CU IS: 31

PARAMETER	LOCATION	CONC	DL	UNITS
Thorium-230	SC-10921-S	0.81	0.72	PCI/G
Thorium-230	SC-10922-S	1.05	0.72	PCI/G
Thorium-230	SC-10401-S	1.24	0.72	PCI/G
Thorium-230	SC-10923-S	1.15	0.72	PCI/G
Thorium-230	SC-10402-S	0.80	0.72	PCI/G
Thorium-230	SC-10924-S	1.42	0.72	PCI/G
Thorium-230	SC-10405-S	0.89	0.72	PCI/G
Thorium-230	SC-10403-S	0.99	0.72	PCI/G
Thorium-230	SC-10406-S	1.03	0.72	PCI/G
Thorium-230	SC-10404-S	0.98	0.72	PCI/G
Thorium-230	SC-10409-S	0.91	0.72	PCI/G
Thorium-230	SC-10407-S	0.81	0.72	PCI/G
Thorium-230	SC-10410-S	0.80	0.72	PCI/G
Thorium-230	SC-10408-S	1.07	0.72	PCI/G
Thorium-230	SC-10413-S	0.92	0.72	PCI/G
Thorium-230	SC-10411-S	0.94	0.72	PCI/G
Thorium-230	SC-10414-S	1.05	0.72	PCI/G
Thorium-230	SC-10412-S	0.91	0.72	PCI/G
Thorium-230	SC-10417-S	0.80	0.72	PCI/G
Thorium-230	SC-10415-S	0.96	0.72	PCI/G
Thorium-230	SC-10418-S	0.71	0.72	PCI/G
Thorium-230	SC-10416-S	1.06	0.72	PCI/G
Thorium-230	SC-10421-S	0.91	0.72	PCI/G
Thorium-230	SC-10419-S	0.80	0.72	PCI/G
Thorium-230	SC-10422-S	0.82	0.72	PCI/G
Thorium-230	SC-10420-S	1.02	0.72	PCI/G
Thorium-230	SC-10403-C	0.91	0.72	PCI/G
Thorium-230	SC-10418-C	1.17	0.72	PCI/G
Thorium-230	SC-10421-C	0.85	0.72	PCI/G
Thorium-230	SC-10401-U	0.82	0.72	PCI/G
Thorium-230	SC-10402-U	0.85	0.72	PCI/G

Average of Thorium-230 values is 0.95, which is below ALARA, 5.00
Maximum single value is 1.42, which is below criteria, 6.20

CU104 DATA REPORT (CONTINUED)

RADIUM-226

NUMBER OF RADIUM-226 SAMPLES IN DATABASE FOR THIS CU IS: 31

PARAMETER	LOCATION	CONC	DL	UNITS
RADIUM-226	SC-10921-S	3.09	0.34	PCI/G
RADIUM-226	SC-10922-S	2.22	0.38	PCI/G
RADIUM-226	SC-10401-S	2.22	0.45	PCI/G
RADIUM-226	SC-10923-S	2.47	0.32	PCI/G
RADIUM-226	SC-10402-S	2.25	0.30	PCI/G
RADIUM-226	SC-10924-S	1.57	0.32	PCI/G
RADIUM-226	SC-10405-S	1.77	0.26	PCI/G
RADIUM-226	SC-10403-S	2.52	0.21	PCI/G
RADIUM-226	SC-10406-S	2.81	0.27	PCI/G
RADIUM-226	SC-10404-S	2.75	0.31	PCI/G
RADIUM-226	SC-10409-S	2.22	0.31	PCI/G
RADIUM-226	SC-10407-S	2.41	0.33	PCI/G
RADIUM-226	SC-10410-S	1.93	0.30	PCI/G
RADIUM-226	SC-10408-S	2.79	0.35	PCI/G
RADIUM-226	SC-10413-S	1.97	0.32	PCI/G
RADIUM-226	SC-10411-S	2.41	0.29	PCI/G
RADIUM-226	SC-10414-S	2.09	0.40	PCI/G
RADIUM-226	SC-10412-S	2.20	0.30	PCI/G
RADIUM-226	SC-10417-S	2.00	0.29	PCI/G
RADIUM-226	SC-10415-S	2.34	0.28	PCI/G
RADIUM-226	SC-10418-S	1.68	0.29	PCI/G
RADIUM-226	SC-10416-S	2.32	0.20	PCI/G
RADIUM-226	SC-10421-S	2.75	0.28	PCI/G
RADIUM-226	SC-10419-S	1.84	0.28	PCI/G
RADIUM-226	SC-10422-S	1.88	0.27	PCI/G
RADIUM-226	SC-10420-S	1.97	0.24	PCI/G
RADIUM-226	SC-10403-C	2.36	0.29	PCI/G
RADIUM-226	SC-10418-C	2.38	0.30	PCI/G
RADIUM-226	SC-10421-C	1.93	0.31	PCI/G
RADIUM-226	SC-10401-U	2.34	0.39	PCI/G
RADIUM-226	SC-10402-U	1.75	0.30	PCI/G

Average of RADIUM-226 values is 2.2~~4~~3, which is below ALARA, 5.00 MGL 8.18.97
Maximum single value is 3.09, which is below criteria, 6.20

CU104 DATA REPORT (CONTINUED)

RADIUM-228

NUMBER OF RADIUM-228 SAMPLES IN DATABASE FOR THIS CU IS: 31

PARAMETER	LOCATION	CONC	DL	UNITS
RADIUM-228	SC-10921-S	1.70	0.59	PCI/G
RADIUM-228	SC-10922-S	1.17	0.62	PCI/G
RADIUM-228	SC-10401-S	2.58	0.70	PCI/G
RADIUM-228	SC-10923-S	1.33	0.40	PCI/G
RADIUM-228	SC-10402-S	1.28	0.47	PCI/G
RADIUM-228	SC-10924-S	1.80	0.40	PCI/G
RADIUM-228	SC-10405-S	0.61	1.22	PCI/G
RADIUM-228	SC-10403-S	1.63	0.50	PCI/G
RADIUM-228	SC-10406-S	1.40	0.46	PCI/G
RADIUM-228	SC-10404-S	1.39	0.63	PCI/G
RADIUM-228	SC-10409-S	1.30	0.53	PCI/G
RADIUM-228	SC-10407-S	1.26	0.36	PCI/G
RADIUM-228	SC-10410-S	1.28	0.34	PCI/G
RADIUM-228	SC-10408-S	0.63	1.25	PCI/G
RADIUM-228	SC-10413-S	1.45	0.46	PCI/G
RADIUM-228	SC-10411-S	1.34	0.32	PCI/G
RADIUM-228	SC-10414-S	1.42	0.56	PCI/G
RADIUM-228	SC-10412-S	1.29	0.42	PCI/G
RADIUM-228	SC-10417-S	1.15	0.64	PCI/G
RADIUM-228	SC-10415-S	1.04	0.32	PCI/G
RADIUM-228	SC-10418-S	1.41	0.39	PCI/G
RADIUM-228	SC-10416-S	1.37	0.42	PCI/G
RADIUM-228	SC-10421-S	1.47	0.58	PCI/G
RADIUM-228	SC-10419-S	1.36	0.42	PCI/G
RADIUM-228	SC-10422-S	1.33	0.33	PCI/G
RADIUM-228	SC-10420-S	1.15	0.38	PCI/G
RADIUM-228	SC-10403-C	1.17	0.51	PCI/G
RADIUM-228	SC-10418-C	1.03	0.40	PCI/G
RADIUM-228	SC-10421-C	1.43	0.53	PCI/G
RADIUM-228	SC-10401-U	1.37	0.54	PCI/G
RADIUM-228	SC-10402-U	1.26	0.42	PCI/G

Average of RADIUM-228 values is 1.34, which is below ALARA, 5.00
Maximum single value is 2.58, which is below criteria, 6.20

GU104 DATA REPORT (CONTINUED)

PCB

NUMBER OF PCB SAMPLES IN DATABASE FOR THIS CU IS: ~~29~~ 31 mat 4.10.97

PARAMETER	LOC	CONC	DL	UNITS
PCB	SC-10921-S	0	41	UG/KG
PCB	SC-10922-S	0	38	UG/KG
PCB	SC-10401-S	69	38	UG/KG
PCB	SC-10923-S	0	39	UG/KG
PCB	SC-10402-S	0	39	UG/KG
PCB	SC-10924-S	1500	37	UG/KG
PCB	SC-10405-S	0	43	UG/KG
PCB	SC-10403-S	0	40	UG/KG
PCB	SC-10406-S	0	38	UG/KG
PCB	SC-10404-S	0	38	UG/KG
PCB	SC-10409-S	0	40	UG/KG
PCB	SC-10407-S	0	39	UG/KG
PCB	SC-10410-S	0	39	UG/KG
PCB	SC-10408-S	0	40	UG/KG
PCB	SC-10413-S	0	43	UG/KG
PCB	SC-10411-S	49	44	UG/KG
PCB	SC-10414-S	0	39	UG/KG
PCB	SC-10412-S	0	44	UG/KG
PCB	SC-10417-S	0	40	UG/KG
PCB	SC-10415-S	0	40	UG/KG
PCB	SC-10418-S	0	40	UG/KG
PCB	SC-10416-S	0	43	UG/KG
PCB	SC-10421-S	220	37	UG/KG
PCB	SC-10419-S	0	38	UG/KG
PCB	SC-10422-S	0	39	UG/KG
PCB	SC-10420-S	0	38	UG/KG
PCB	SC-10403-C	0	41	UG/KG
PCB	SC-10418-C	0	39	UG/KG
PCB	SC-10421-C	0	40	UG/KG
PCB	SC-10401-U	0	37	UG/KG
PCB	SC-10402-U	0	41	UG/KG

Average of PCB values is 59.29, which is below ALARA, 650
Maximum single value is 1500, which is below criteria, 8000

CU104 DATA REPORT (CONTINUED)

CHROMIUM

NUMBER OF CHROMIUM SAMPLES IN DATABASE FOR THIS CU IS: 2

PARAMETER	LOCATION	CONC	DL	UNITS
CHROMIUM	SC-10401-U	21.3	0.34	UG/G
CHROMIUM	SC-10402-U	19.1	0.37	UG/G

Average of CHROMIUM values is 20.2 UG/G, which is below ALARA, 90 UG/G.
Maximum single value is 21.3 UG/G, which is below criteria, 100 UG/G.

LEAD

NUMBER OF LEAD SAMPLES IN DATABASE FOR THIS CU IS: 2

PARAMETER	LOCATION	CONC	DL	UNITS
LEAD	SC-10401-U	14.2	0.18	UG/G
LEAD	SC-10402-U	52.7	0.20	UG/G

Average of LEAD values is 33.5 UG/G, which is below ALARA, 240 UG/G.
Maximum single value is 52.7 UG/G, which is below criteria, 450 UG/G.

Weldon Spring Site Remedial Action Project
7295 Highway 94 South, St. Charles, Missouri, 63304

ES&H 1.2.1.1, Rev. 2, 11/96

SOIL CONFIRMATION REMEDIATION DISPOSITION FORM

SECTION I

1. Work Package Number: WP420 2. Date: 01/29/97 3. Review Form #: 97-005

4. Remediation Unit Number: RU009 5. Confirmation Unit Number: CU 105 (map attached)

6. Contaminants of Concern: X U-238 ___ Th-230 ___ Th-232 ___ Ra-226 ___ Ra-228
___ TNT ___ PCB ___ PAH ___ As ___ Cr ___ Pb ___ Tl

7. Results average below ALARA goal(s)?	X Yes	___ No
8. All results below cleanup criteria?	X Yes	___ No
9. Any results greater than 3X criteria?	___ Yes	X No
10. Hot spots present (less than 3X criteria)?	___ Yes	X No

Parameter	Size	Concentration	Complies with Plan?
N/A			___ Yes ___ No
			___ Yes ___ No
			___ Yes ___ No

11. Comments No Utilities.

12. Reviewer Disposition Recommendation:
X Release for Unrestricted Use (Section II)
___ Additional Excavation Required (Section IV)
___ ALARA Committee Required (Section III)

13. Reviewer: [signature] Date 1/29/97

SECTION II *CU is released for unrestricted use.*

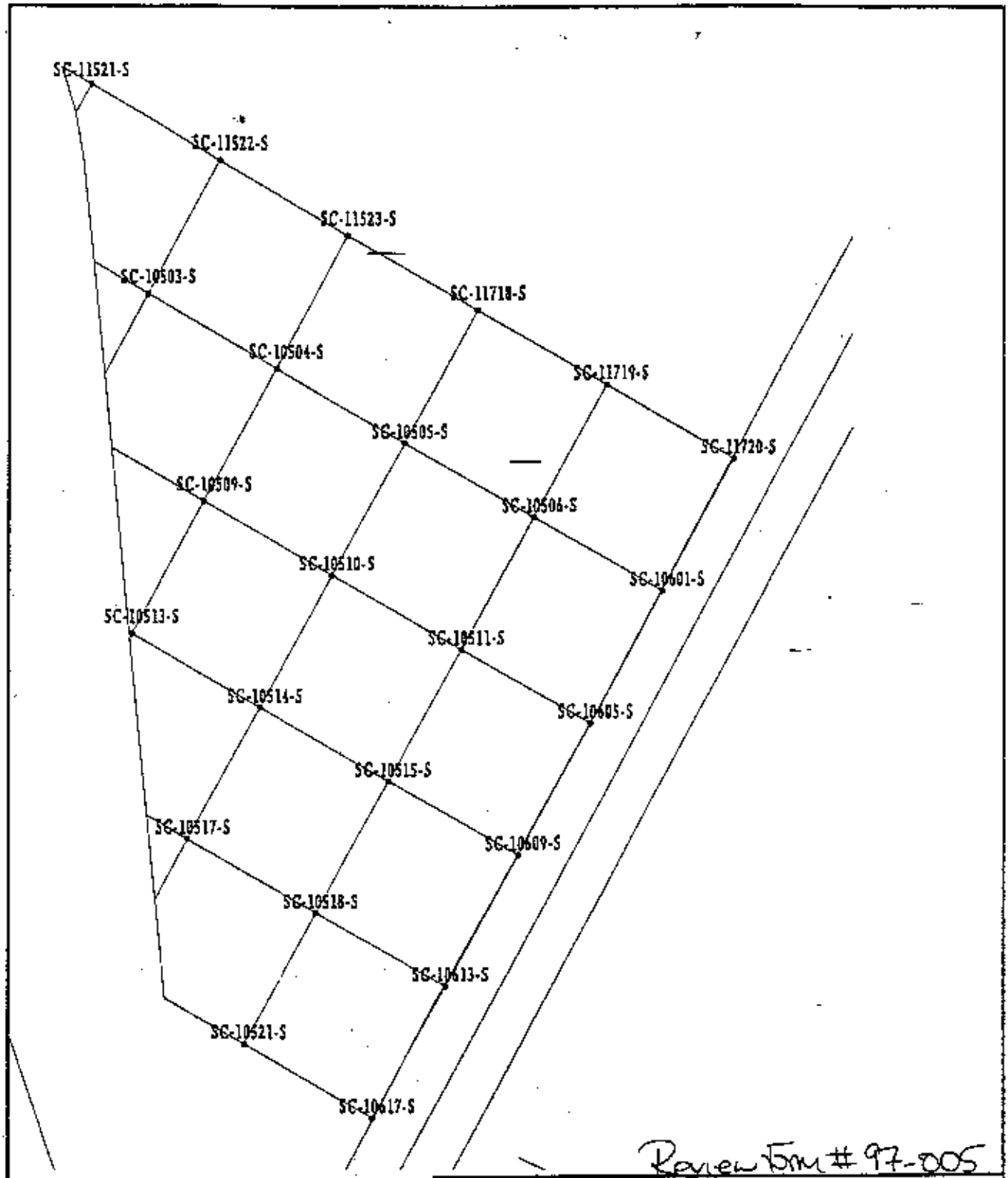
14. ES&H Manager: [signature] for KR Date: 1/30/97

15. DOE Project Manager/Engineer: [signature] Date: 1/29/97

16. Project Manager: [signature] Date: 1/30/97

17. Construction Engineer: [signature] Date: 1/30/97

SEE ATTACHED RESULTS AND MAP



Review Form # 97-005

10 5 0 METERS

30 15 0 FEET

Sample Locations in Remedial Unit RU009
Confirmation Unit CU105

Figure B-86

EXHIBIT NO.: A/CP/168/1295		REPORT NO.: DOE/OR/21548-590	
DESIGNATOR: MGL	DRAWN BY: WSSRAP GIS	DATE: 3/96	

01/29/97

CU105 DATA REPORT

URANIUM-238

NUMBER OF URANIUM-238 SAMPLES IN DATABASE FOR THIS CU IS: 24

PARAMETER	LOCATION	CONC	DL	UNITS
URANIUM-238	SC-11521-S	1.59	3.17	PCI/G
URANIUM-238	SC-11522-S	2.04	4.08	PCI/G
URANIUM-238	SC-11523-S	1.55	3.10	PCI/G
URANIUM-238	SC-10503-S	2.42	4.83	PCI/G
URANIUM-238	SC-11718-S	1.91	3.82	PCI/G
URANIUM-238	SC-10504-S	1.55	3.10	PCI/G
URANIUM-238	SC-11719-S	1.97	3.94	PCI/G
URANIUM-238	SC-10505-S	2.00	4.01	PCI/G
URANIUM-238	SC-11720-S	2.09	4.18	PCI/G
URANIUM-238	SC-10509-S	1.62	3.23	PCI/G
URANIUM-238	SC-10506-S	1.87	3.74	PCI/G
URANIUM-238	SC-10510-S	1.95	3.89	PCI/G
URANIUM-238	SC-10601-S	1.60	3.19	PCI/G
URANIUM-238	SC-10513-S	4.50	2.50	PCI/G
URANIUM-238	SC-10511-S	1.55	3.11	PCI/G
URANIUM-238	SC-10514-S	3.50	2.75	PCI/G
URANIUM-238	SC-10605-S	2.89	2.81	PCI/G
URANIUM-238	SC-10515-S	1.45	2.89	PCI/G
URANIUM-238	SC-10517-S	2.96	4.07	PCI/G
URANIUM-238	SC-10609-S	3.14	2.93	PCI/G
URANIUM-238	SC-10518-S	4.70	3.84	PCI/G
URANIUM-238	SC-10613-S	1.85	3.70	PCI/G
URANIUM-238	SC-10521-S	1.66	3.32	PCI/G
URANIUM-238	SC-10617-S	2.39	2.97	PCI/G

Average of URANIUM-238 values is 2.28 PCI/G, which is below ALARA, 30.00 PCI/G.
Maximum single value is 4.70 PCI/G, which is below criteria, 120.00 PCI/G.

Weldon Spring Site Remedial Action Project
7295 Highway 94 South, St. Charles, Missouri, 63304

ES&H 1.2.1.1, Rev. 2, 11/96

SOIL CONFIRMATION REMEDIATION DISPOSITION FORM

SECTION I

1. Work Package Number: WP420 2. Date: 02.10.97 3. Review Form #: 97-008

4. Remediation Unit Number: RU009 5. Confirmation Unit Number: CU106 (map attached)

6. Contaminants of Concern: X U-238 ___ Th-230 ___ Th-232 ___ Ra-226 ___ Ra-228
X TNT* ___ PCB ___ PAH ___ As X Cr ___ Pb ___ Tl

7. Results average below ALARA goal(s)? TNT Avg = 15.33mg/kg	___ Yes	X No
8. All results below cleanup criteria?	X Yes	___ No
9. Any results greater than 3X criteria?	___ Yes	X No
10. Hot spots present (less than 3X criteria)?	___ Yes	X No

Parameter	Size	Concentration	Complies with Plan?
N/A			___ Yes ___ No
			___ Yes ___ No
			___ Yes ___ No

11. Comments TNT average exceeds ALARA.
*TNT was added as a contaminant of concern for CU106 based upon discovery of area during contaminated soil removal.

12. Reviewer Disposition Recommendation:
___ Release for Unrestricted Use (Section II)
___ Additional Excavation Required (Section IV)
X ALARA Committee Required (Section III)

13. Reviewer: Melissa A Lietz Date 02/11/97

SECTION II *CU is released for unrestricted use.*

14. ES&H Manager: See Section III Date:

15. DOE Project Manager/Engineer: 2/12/97 Date:

16. Project Manager: Date:

17. Construction Engineer: Date:

SEE ATTACHED RESULTS AND MAP

SOIL CONFIRMATION REMEDIATION DISPOSITION FORM

ES&H-1.2.1, Rev. 2, 11/

SECTION III *ALARA Committee (Average above ALARA)*

Confirmation unit status reports have been attached for the following contaminants of concern for which the average exceeds ALARA:

____ U-238	____ Th-230	____ Th-232	____ Ra-226	____ RA-228	X TNT	
____ PAH	____ As	____ Cr	____ Pb	____ Tl	____ PCB	

Disposition Input: The TNT average for CU106 exceeded ALARA. Avg Conc = 15.33mg/Kg. Prior to CU106, we collected 3 TNT samples, all results less than ALARA. Including the CU106 results, we have 5 below ALARA, 0 ALARA, and 1 above ALARA (but below criteria). ALARA Committee votes to release MAR 02-12-97

Disposition Decision:

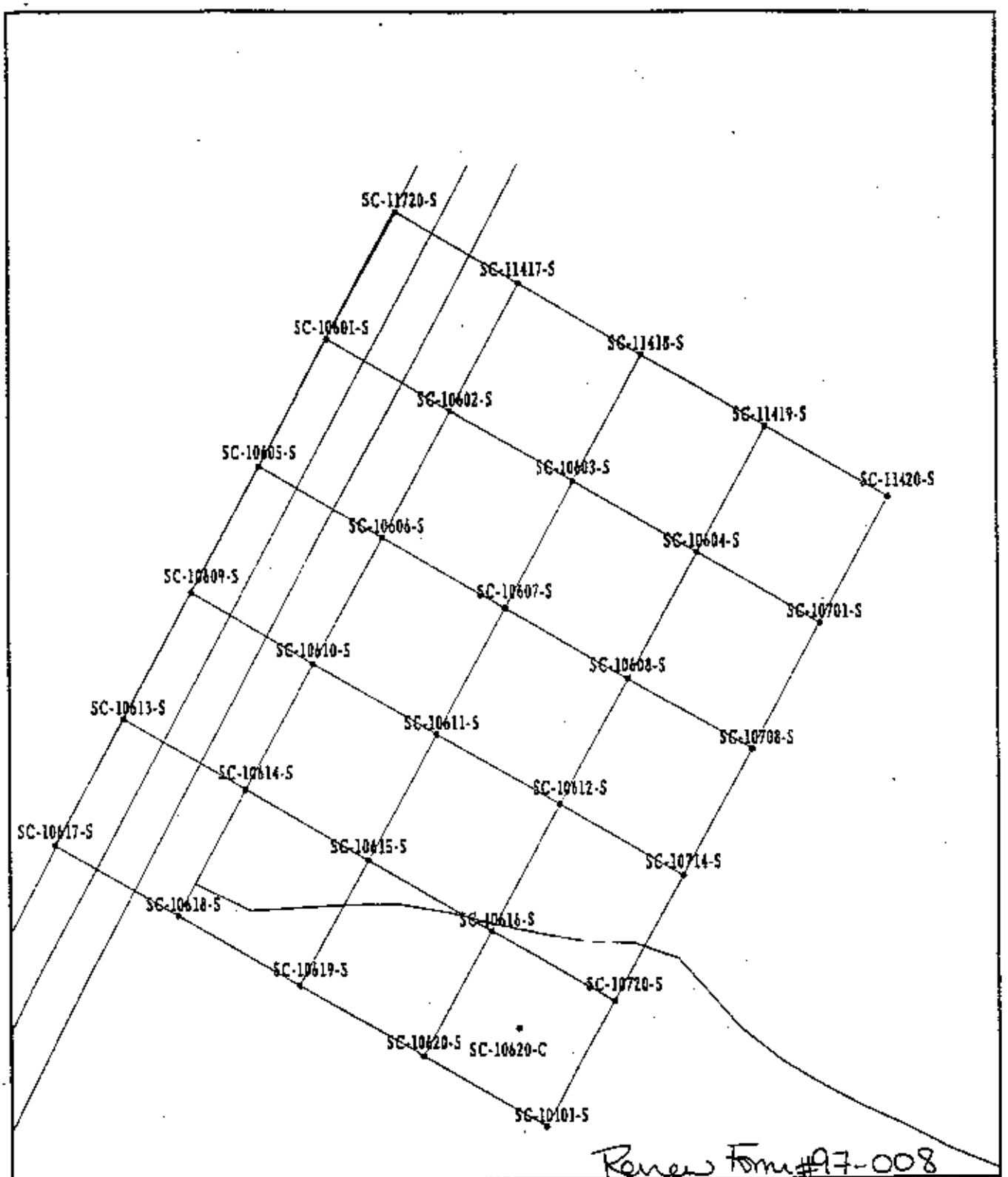
X Backfill/Release for Unrestricted Use.
____ Additional Excavation Required.
____ Additional Samples to be Collected.

Vote		Date
Y	ES&H Manager	2/12/97
Y	DOE Project/Manager/Engineer	2/12/97
Y	Deputy Project Director - Operations	2/12/97
Y	Environmental Protection Manager	02/12/97
Y	Deputy Project Director - Environmental	02/12/97
	Construction Engineer	2-12-97
	Project Manager	2/12/97

Section IV ***Results greater than 3X criteria or > hot spot rule, additional excavation automatically required.***

Project Manager: _____ Date: _____

Construction Engineer: _____ Date: _____



Renew Form #97-008

10 5 0 METERS

30 15 0 FEET

Sample Locations in Remedial Unit RU009
Confirmation Unit CU106

Figure B-87

EXHIBIT NO.: A/CP/169/1295		REPORT NO.: DOE/OR/21548-590	
ORIGINATOR: MGL	DRAWN BY: WSSRAP GIS	DATE: 3/96	

CU106 DATA REPORT

URANIUM-238

NUMBER OF URANIUM-238 SAMPLES IN DATABASE FOR THIS CU IS: 30

PARAMETER	LOCATION	CONC	DL	UNITS
URANIUM-238	SC-11720-S	2.09	4.18	PCI/G
URANIUM-238	SC-11417-S	2.15	4.31	PCI/G
URANIUM-238	SC-10601-S	1.60	3.19	PCI/G
URANIUM-238	SC-11418-S	4.36	2.20	PCI/G
URANIUM-238	SC-10602-S	1.94	3.88	PCI/G
URANIUM-238	SC-11419-S	2.11	4.22	PCI/G
URANIUM-238	SC-10605-S	2.89	2.81	PCI/G
URANIUM-238	SC-10603-S	1.90	3.79	PCI/G
URANIUM-238	SC-11420-S	1.59	3.18	PCI/G
URANIUM-238	SC-10606-S	1.87	3.74	PCI/G
URANIUM-238	SC-10604-S	1.50	2.99	PCI/G
URANIUM-238	SC-10609-S	3.14	2.93	PCI/G
URANIUM-238	SC-10607-S	1.54	3.08	PCI/G
URANIUM-238	SC-10701-S	1.90	3.80	PCI/G
URANIUM-238	SC-10610-S	1.87	3.73	PCI/G
URANIUM-238	SC-10608-S	1.85	3.70	PCI/G
URANIUM-238	SC-10613-S	1.85	3.70	PCI/G
URANIUM-238	SC-10611-S	1.62	3.23	PCI/G
URANIUM-238	SC-10708-S	1.96	3.91	PCI/G
URANIUM-238	SC-10614-S	1.94	3.88	PCI/G
URANIUM-238	SC-10612-S	1.44	2.87	PCI/G
URANIUM-238	SC-10617-S	2.39	2.97	PCI/G
URANIUM-238	SC-10615-S	2.04	4.07	PCI/G
URANIUM-238	SC-10714-S	1.90	3.80	PCI/G
URANIUM-238	SC-10618-S	1.60	3.20	PCI/G
URANIUM-238	SC-10616-S	1.48	2.96	PCI/G
URANIUM-238	SC-10619-S	2.19	2.76	PCI/G
URANIUM-238	SC-10720-S	2.08	4.15	PCI/G
URANIUM-238	SC-10620-S	1.58	3.16	PCI/G
URANIUM-238	SC-10101-S	1.83	3.65	PCI/G

Average of URANIUM-238 values is 2.01 PCI/G, which is below ALARA, 30.00 PCI/G.
Maximum single value is 4.36 PCI/G, which is below criteria, 120.00 PCI/G.

CU106 DATA REPORT (CONTINUED)

CHROMIUM

NUMBER OF CHROMIUM SAMPLES IN DATABASE FOR THIS CU IS: 16

PARAMETER	LOCATION	CONC	DL	UNITS
Chromium	SC-10607-S	17.60	0.68	UG/G
Chromium	SC-10610-S	14.90	0.65	UG/G
Chromium	SC-10608-S	13.40	0.65	UG/G
Chromium	SC-10611-S	19.50	0.70	UG/G
Chromium	SC-10708-S	15.00	1.10	UG/G
Chromium	SC-10614-S	14.70	0.67	UG/G
Chromium	SC-10612-S	14.70	0.69	UG/G
Chromium	SC-10615-S	14.50	0.66	UG/G
Chromium	SC-10714-S	16.60	1.10	UG/G
Chromium	SC-10618-S	20.00	1.10	UG/G
Chromium	SC-10616-S	20.10	0.68	UG/G
Chromium	SC-10619-S	23.10	1.10	UG/G
Chromium	SC-10720-S	17.30	1.10	UG/G
Chromium	SC-10620-S	12.40	1.10	UG/G
Chromium	SC-10101-S	14.40	1.10	UG/G
Chromium	SC-10620-C	14.80	0.72	UG/G

Average of Chromium values is 16.44 UG/G, which is below ALARA, 90.00 UG/G.
Maximum single value is 23.10 UG/G, which is below criteria, 110.00 UG/G.

TNT

NUMBER OF TNT SAMPLES IN DATABASE FOR THIS CU IS: 4

PARAMETER	LOCATION	CONC	DL	UNITS
TNT	SC-10615-S	14.00	0.72	MG/KG
TNT	SC-10616-S	8.30	0.15	MG/KG
TNT	SC-10615-C	34.00	0.81	MG/KG
TNT	SC-10619-C	5.00	0.40	MG/KG

Average of TNT values is 15.33 MG/KG, which exceeds ALARA, 14 MG/KG.
Maximum single value is 34.0 MG/KG, which is below criteria, 140 MG/KG.

Weldon Spring Site Remedial Action Project
7295 Highway 94 South, St. Charles, Missouri, 63304

ES&H 1.2.1.1, Rev. 1, 03/96

SOIL CONFIRMATION REMEDIATION DISPOSITION FORM

SECTION I

1. Work Package Number: WD420 2. Date: 12/02/96 3. Review Form #: 96-097

4. Remediation Unit Number: RU009 5. Confirmation Unit Number: CU 107 (map attached)

6. Contaminants of Concern: X U-238 ___ Th-230 ___ Th-232 ___ Ra-226 ___ Ra-228
___ TNT X PCB ___ PAH ___ As X Cr ___ Pb ___ Tl

7. Results average below ALARA goal(s)?	X Yes	___ No
8. All results below cleanup criteria?	X Yes	___ No
9. Any results greater than 3X criteria?	___ Yes	X No
10. Hotspots present (less than 3X criteria)?	___ Yes	X No

Parameter	Size	Concentration	Complies with Plan?
N/A			___ Yes ___ No
			___ Yes ___ No
			___ Yes ___ No
			___ Yes ___ No

11. Reviewer: [signature] Date: 12/02/96

12. Reviewer Disposition Recommendation: X Release for Unrestricted Use (Section II)
___ Additional Excavation Required (Section IV)
___ ALARA Committee Required (Section III)

SECTION II *Results are ALARA. CU is released for unrestricted use.*

14. ES&H Manager: [signature] Date: 12/2/96

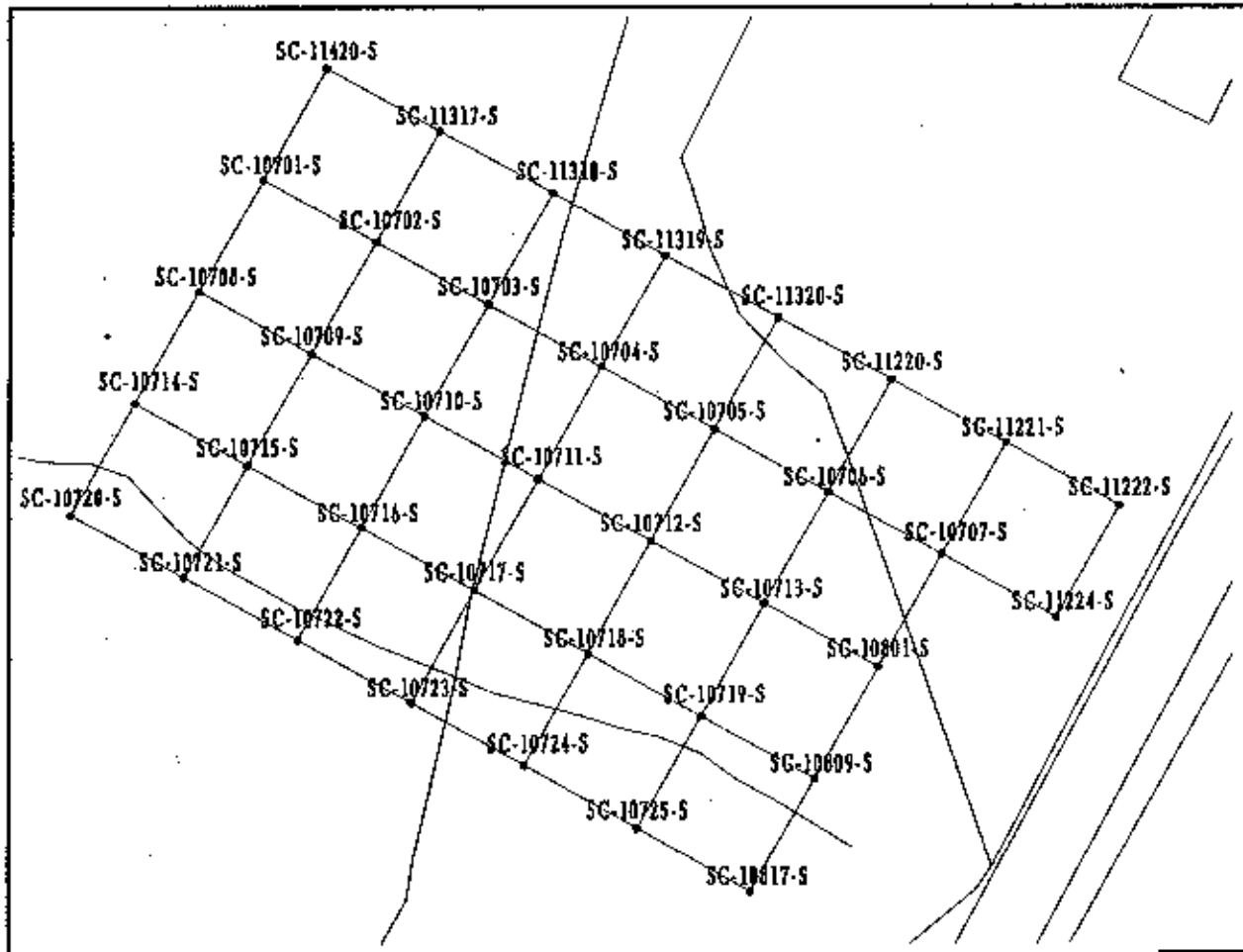
15. DOE Project Manager/Engineer: [signature] Date: 12/2/96

16. Project Manager: [signature] for G. Beyer Date: 12/2/96

17. Construction Engineer: [signature] Date: 12/2/96

SEE ATTACHED RESULTS AND MAP

Note: No Utilities



Review Form # 96-097

10 5 0 10 METERS

30 15 0 30 FEET

N
W E
S

Sample Locations in Remedial Unit RU009
Confirmation Unit CU107

Figure B-88

EXHIBIT NO.: A/CP/170/1295		REPORT NO.: DOE/OR/21548-590	
ORIGINATOR: MGL	DRAWN BY: WSSRAP GIS	DATE: 3/96	

CU107 DATA REPORT

URANIUM-238

NUMBER OF URANIUM-238 SAMPLES IN DATABASE FOR THIS CU IS: 37

PARAMETER	LOCATION	CONC	DL	UNITS
URANIUM-238	SC-11420-S	1.59	3.18	PCI/G
URANIUM-238	SC-11317-S	2.04	4.08	PCI/G
URANIUM-238	SC-10701-S	1.90	3.80	PCI/G
URANIUM-238	SC-11318-S	1.64	3.27	PCI/G
URANIUM-238	SC-10702-S	1.55	3.11	PCI/G
URANIUM-238	SC-11319-S	3.20	2.61	PCI/G
URANIUM-238	SC-10708-S	1.96	3.91	PCI/G
URANIUM-238	SC-10703-S	2.02	4.04	PCI/G
URANIUM-238	SC-11320-S	2.08	3.48	PCI/G
URANIUM-238	SC-10709-S	1.38	2.28	PCI/G
URANIUM-238	SC-10704-S	3.02	2.22	PCI/G
URANIUM-238	SC-11220-S	2.02	4.04	PCI/G
URANIUM-238	SC-10714-S	1.90	3.80	PCI/G
URANIUM-238	SC-10710-S	1.50	3.12	PCI/G
URANIUM-238	SC-10705-S	3.83	3.54	PCI/G
URANIUM-238	SC-11221-S	1.54	3.08	PCI/G
URANIUM-238	SC-10715-S	2.91	2.49	PCI/G
URANIUM-238	SC-10711-S	1.65	2.64	PCI/G
URANIUM-238	SC-10706-S	1.94	2.00	PCI/G
URANIUM-238	SC-11222-S	1.52	3.17	PCI/G
URANIUM-238	SC-10720-S	2.08	4.15	PCI/G
URANIUM-238	SC-10716-S	2.08	4.15	PCI/G
URANIUM-238	SC-10712-S	3.47	2.57	PCI/G
URANIUM-238	SC-10707-S	1.98	3.95	PCI/G
URANIUM-238	SC-10721-S	1.51	3.03	PCI/G
URANIUM-238	SC-10717-S	1.65	3.30	PCI/G
URANIUM-238	SC-10713-S	2.02	4.03	PCI/G
URANIUM-238	SC-11224-S	1.84	3.67	PCI/G
URANIUM-238	SC-10722-S	2.19	4.39	PCI/G
URANIUM-238	SC-10718-S	4.44	3.34	PCI/G
URANIUM-238	SC-10801-S	2.62	1.87	PCI/G
URANIUM-238	SC-10723-S	13.76	3.62	PCI/G
URANIUM-238	SC-10719-S	1.51	3.03	PCI/G
URANIUM-238	SC-10724-S	2.58	3.01	PCI/G
URANIUM-238	SC-10809-S	1.85	2.45	PCI/G
URANIUM-238	SC-10725-S	1.60	3.19	PCI/G
URANIUM-238	SC-10817-S	2.52	5.05	PCI/G

Average of URANIUM-238 values is 2.46 PCI/G, which is below ALARA, 30.00 PCI/G.
Maximum single value is 13.76 PCI/G, which is below criteria, 120.00 PCI/G.

CU107 DATA REPORT (CONTINUED)

CHROMIUM

NUMBER OF CHROMIUM SAMPLES IN DATABASE FOR THIS CU IS: 5

PARAMETER	LOCATION	CONC	DL	UNITS
CHROMIUM	SC-10708-S	15.0	1.1	UG/G
CHROMIUM	SC-10714-S	16.6	1.1	UG/G
CHROMIUM	SC-10715-S	17.4	1.1	UG/G
CHROMIUM	SC-10720-S	17.3	1.1	UG/G
CHROMIUM	SC-10721-S	19.5	1.1	UG/G

Average of CHROMIUM values is 17.16 UG/G, which is below ALARA.
Maximum single value is 19.5 UG/G, which is below criteria.

PCB

NUMBER OF PCB SAMPLES IN DATABASE FOR THIS CU IS: 4

PARAMETER	LOCATION	CONC	DL	UNITS
PCB	SC-10724-S	0	43	UG/KG
PCB	SC-10809-S	0	42	UG/KG
PCB	SC-10725-S	0	41	UG/KG
PCB	SC-10817-S	0	43	UG/KG

Average of PCB values is NA, which is below ALARA, 650 UG/KG.
Maximum single value is NA, which is below criteria, 8000 UG/KG.

Weldon Spring Site Remedial Action Project
7295 Highway 94 South, St. Charles, Missouri, 63304

ES&H 1.2.1.1, Rev. 1, 03/96

SOIL CONFIRMATION REMEDIATION DISPOSITION FORM

SECTION I

1. Work Package Number: WP420 2. Date: 11/15/96 3. Review Form #: 96-092

4. Remediation Unit Number: RU009 5. Confirmation Unit Number: CU108 (map attached)

6. Contaminants of Concern: X U-238 X Th-230 ___ Th-232 X Ra-226 X Ra-228
___ TNT X PCB X PAH ___ As ___ Cr ___ Pb ___ Tl

7. Results average below ALARA goal(s)?	X Yes	___ No
8. All results below cleanup criteria?	X Yes	___ No
9. Any results greater than 3X criteria?	___ Yes	X No
10. Hotspots present (less than 3X criteria)?	___ Yes	X No

Parameter	Size	Concentration	Complies with Plan?
			___ Yes ___ No
			___ Yes ___ No
			___ Yes ___ No
			___ Yes ___ No

11. Reviewer: [signature] Date: 11/15/96

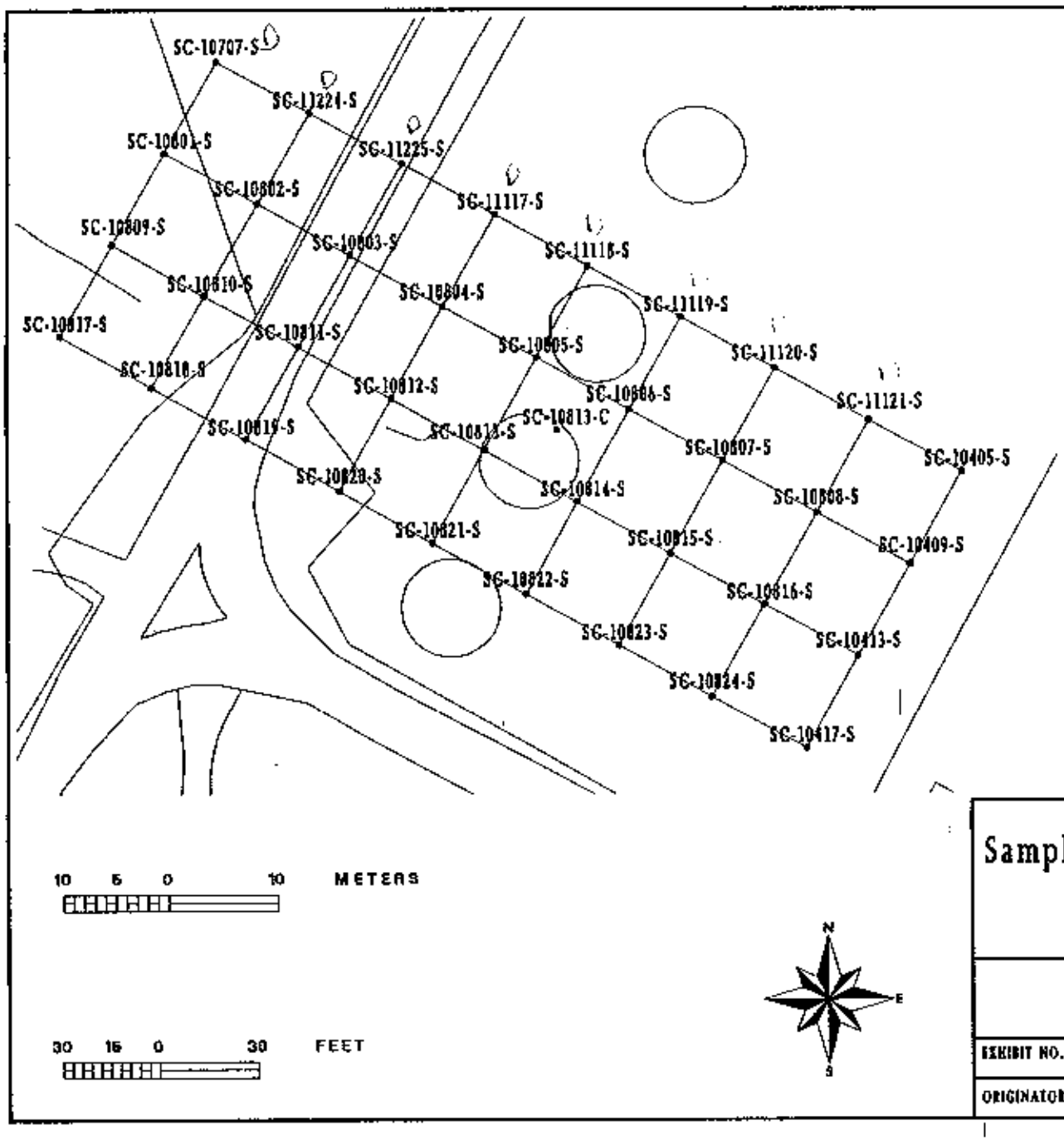
12. Reviewer Disposition Recommendation: X Release for Unrestricted Use (Section II)
___ Additional Excavation Required (Section IV)
___ ALARA Committee Required (Section III)

SECTION II *Results are ALARA. CU is released for unrestricted use.*

14. ES&H Manager: [signature] Date: 11/15/96
15. DOE Project Manager/Engineer: [signature] Date: 11/15/96
16. Project Manager: [signature] Date: 11/18/96
17. Construction Engineer: [signature] Date: 11/18/96

SEE ATTACHED RESULTS AND MAP

Note: No utilities



Review Form #96-092

Sample Locations in Remedial Unit RU009
Confirmation Unit CU108

Figure B-89

EXHIBIT NO.: A/CP/171/1295		REPORT NO.: DOE/OR/21548-590	
ORIGINATOR: MGL	DRAWN BY: WSSRAP GIS	DATE: 3/96	

11/15/96

CU108 DATA REPORT

URANIUM-238

NUMBER OF URANIUM-238 SAMPLES IN DATABASE FOR THIS CU IS: 36

PARAMETER	LOCATION	CONC	DL	UNITS
URANIUM-238	SC-10707-S	1.98	3.95	PCI/G
URANIUM-238	SC-11224-S	1.84	3.67	PCI/G
URANIUM-238	SC-10801-S	2.62	1.87	PCI/G
URANIUM-238	SC-11225-S	1.99	3.98	PCI/G
URANIUM-238	SC-10802-S	2.07	4.14	PCI/G
URANIUM-238	SC-11117-S	2.71	3.01	PCI/G
URANIUM-238	SC-10809-S	1.85	2.45	PCI/G
URANIUM-238	SC-10803-S	2.09	4.18	PCI/G
URANIUM-238	SC-11118-S	1.84	3.73	PCI/G
URANIUM-238	SC-10810-S	2.02	4.03	PCI/G
URANIUM-238	SC-10804-S	6.27	3.40	PCI/G
URANIUM-238	SC-11119-S	2.13	4.26	PCI/G
URANIUM-238	SC-10817-S	2.52	5.05	PCI/G
URANIUM-238	SC-10811-S	1.70	3.39	PCI/G
URANIUM-238	SC-10805-S	2.29	4.57	PCI/G
URANIUM-238	SC-11120-S	2.19	4.37	PCI/G
URANIUM-238	SC-10818-S	4.79	3.17	PCI/G
URANIUM-238	SC-10812-S	2.00	4.00	PCI/G
URANIUM-238	SC-10806-S	8.29	3.76	PCI/G
URANIUM-238	SC-11121-S	1.57 MGL 8.18.97	3.15	PCI/G
URANIUM-238	SC-10819-S	2.11	4.22	PCI/G
URANIUM-238	SC-10813-S	11.65	3.35	PCI/G
URANIUM-238	SC-10807-S	2.02	4.03	PCI/G
URANIUM-238	SC-10405-S	1.93	3.86	PCI/G
URANIUM-238	SC-10820-S	3.56	3.23	PCI/G
URANIUM-238	SC-10814-S	2.23	4.47	PCI/G
URANIUM-238	SC-10808-S	1.99	3.97	PCI/G
URANIUM-238	SC-10821-S	2.38	4.76	PCI/G
URANIUM-238	SC-10815-S	2.08	4.15	PCI/G
URANIUM-238	SC-10409-S	5.03	4.47	PCI/G
URANIUM-238	SC-10822-S	17.72	4.51	PCI/G
URANIUM-238	SC-10816-S	2.06	4.11	PCI/G
URANIUM-238	SC-10823-S	1.61	3.22	PCI/G
URANIUM-238	SC-10413-S	1.70	3.39	PCI/G
URANIUM-238	SC-10824-S	2.06	4.11	PCI/G
URANIUM-238	SC-10417-S	2.13	4.26	PCI/G

Average of URANIUM-238 values is 3.25 PCI/G, which is below ALARA, 30.00 PCI/G
Maximum single value is 17.72 PCI/G, which is below criteria, 120.00 PCI/G

CU108 DATA REPORT (CONTINUED)

THORIUM-230

NUMBER OF Thorium-230 SAMPLES IN DATABASE FOR THIS CU IS: 4

PARAMETER	LOCATION	CONC	DL	UNITS
Thorium-230	SC-10405-S	0.89	0.72	PCI/G
Thorium-230	SC-10409-S	0.91	0.72	PCI/G
Thorium-230	SC-10413-S	0.92	0.72	PCI/G
Thorium-230	SC-10417-S	0.80	0.72	PCI/G

Average of Thorium-230 values is 0.88 PCI/G, which is below ALARA, 5.00 PCI/G.
Maximum single value is 0.92 PCI/G, which is below criteria, 6.20 PCI/G.

RADIUM-226

NUMBER OF RADIUM-226 SAMPLES IN DATABASE FOR THIS CU IS: 4

PARAMETER	LOCATION	CONC	DL	UNITS
RADIUM-226	SC-10405-S	1.77	0.26	PCI/G
RADIUM-226	SC-10409-S	2.23	0.31	PCI/G
RADIUM-226	SC-10413-S	1.98	0.32	PCI/G
RADIUM-226	SC-10417-S	2.00	0.29	PCI/G

Average of RADIUM-226 values is 1.99 PCI/G, which is below ALARA, 5.00 PCI/G.
Maximum single value is 2.23 PCI/G, which is below criteria, 6.20 PCI/G.

RADIUM-228

NUMBER OF RADIUM-228 SAMPLES IN DATABASE FOR THIS CU IS: 4

PARAMETER	LOCATION	CONC	DL	UNITS
RADIUM-228	SC-10405-S	0.61	1.22	PCI/G
RADIUM-228	SC-10409-S	1.30	0.53	PCI/G
RADIUM-228	SC-10413-S	1.45	0.46	PCI/G
RADIUM-228	SC-10417-S	1.15	0.64	PCI/G

Average of RADIUM-228 values is 1.13 PCI/G, which is below ALARA, 5.00 PCI/G.
Maximum single value is 1.45 PCI/G, which is below criteria, 6.20 PCI/G.

CU108 DATA REPORT (CONTINUED)

PCB

NUMBER OF PCB SAMPLES IN DATABASE FOR THIS CU IS: 7

PARAMETER	LOCATION	CONC	DL	UNITS
PCB	SC-10405-S	0	43	UG/KG
PCB	SC-10409-S	0	40	UG/KG
PCB	SC-10413-S	0	43	UG/KG
PCB	SC-10417-S	0	40	UG/KG
PCB	SC-10809-S	0	42	UG/KG
PCB	SC-10817-S	0	43	UG/KG
PCB	SC-10819-S	0	42	UG/KG

Average of PCB values is 0, which is below ALARA, 650 UG/KG.
Maximum single value is 0, which is below criteria, 8000 UG/KG.

PAH

NUMBER OF PAH SAMPLES IN DATABASE FOR THIS CU IS: 5

PARAMETER	LOCATION	CONC	DL	UNITS
PAH	SC-10805-S	0	46	UG/KG
PAH	SC-10806-S	0	44	UG/KG
PAH	SC-10813-C	0	44	UG/KG
PAH	SC-10813-S	0	44	UG/KG
PAH	SC-10814-S	0	44	UG/KG

Average of PAH values is 0, which is below ALARA, 440 UG/KG.
Maximum single value is 0, which is below criteria, 5600 UG/KG.

Weldon Spring Site Remedial Action Project
7295 Highway 94 South, St. Charles, Missouri, 63304

ES&H 1.2.1.1, Rev. 1, 03/96

SOIL CONFIRMATION REMEDIATION DISPOSITION FORM

SECTION I

1. Work Package Number: WP420 2. Date: 12.30.96 3. Review Form #: 96-101

4. Remediation Unit Number: RU009 5. Confirmation Unit Number: CU109 (map attached)

6. Contaminants of Concern: X U-238 X Th-230 X Th-232* X Ra-226 X Ra-228 ___ TNT X PCB X PAH X As X Cr X Pb ___ Tl

7. Results average below ALARA goal(s)?	X Yes ___ No
8. All results below cleanup criteria?	X Yes ___ No
9. Any results greater than 3X criteria?	___ Yes X No
10. Hotspots present (less than 3X criteria)?	___ Yes X No

Parameter	Size	Concentration	Complies with Plan?
N/A			___ Yes ___ No
			___ Yes ___ No
			___ Yes ___ No
			___ Yes ___ No

11. Reviewer: Melissa H. Lintz Date: 12.30.96

12. Reviewer Disposition Recommendation: X Release for Unrestricted Use (Section II)
___ Additional Excavation Required (Section IV)
___ ALARA Committee Required (Section III)

SECTION II *Results are ALARA. CU is released for unrestricted use.*

14. ES&H Manager: [signature] for [signature] Date: 12/30/96

15. DOE Project Manager/Engineer: Thomas C. Fanley Date: 12/31/96

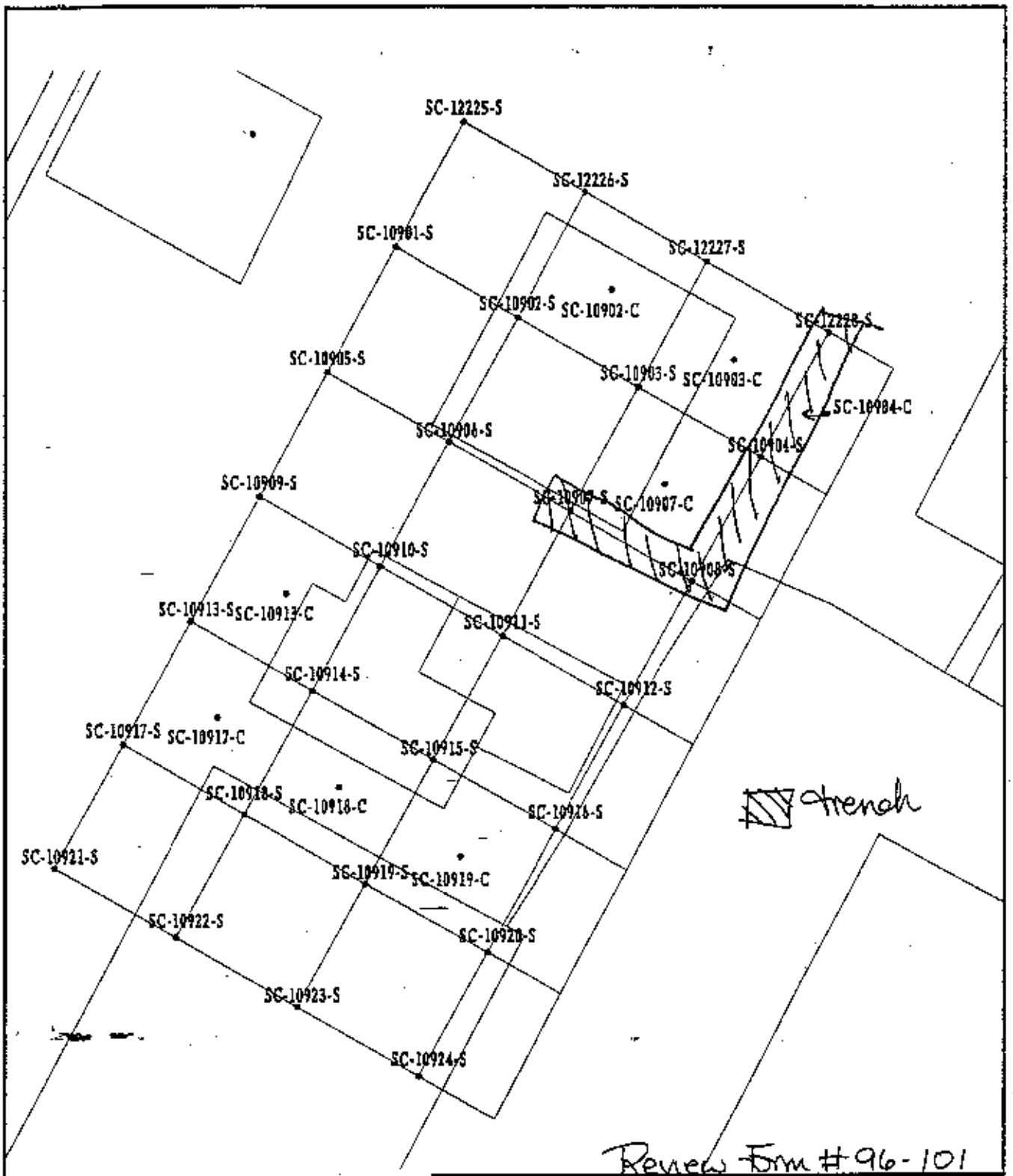
16. Project Manager: [signature] Date: 12/31/96

17. Construction Engineer: Joe Delaney Date: 12/31/96

SEE ATTACHED RESULTS AND MAP

Note: This CU was originally released as a partial on 11.19.96. Refer to partial release form # 96-015P.

* The Th-232 concentration is attained by using



Review Form #96-101

10 5 0 METERS

30 15 0 FEET

Sample Locations in Remedial Unit RU009
Confirmation Unit CU109

Figure B-90

EXHIBIT NO.: A/CP/172/1295		REPORT NO.: DOE/OR/21548-590	
ORIGINATOR: MGL	DRAWN BY: WSSRAP GIS	DATE: 3/96	

CU109 DATA REPORT

URANIUM-238

NUMBER OF URANIUM-238 SAMPLES IN DATABASE FOR THIS CU IS: 33

PARAMETER	LOCATION	CONC	DL	UNITS
URANIUM-238	SC-12225-S	2.10	4.21	PCI/G
URANIUM-238	SC-12226-S	1.79	3.58	PCI/G
URANIUM-238	SC-10901-S	1.93	3.85	PCI/G
URANIUM-238	SC-12227-S	2.09	4.18	PCI/G
URANIUM-238	SC-10902-S	8.56	3.52	PCI/G
URANIUM-238	SC-12228-S	1.56	3.12	PCI/G
URANIUM-238	SC-10905-S	1.92	3.83	PCI/G
URANIUM-238	SC-10903-S	1.92	3.83	PCI/G
URANIUM-238	SC-10906-S	1.51	3.02	PCI/G
URANIUM-238	SC-10904-S	3.19	2.14	PCI/G
URANIUM-238	SC-10909-S	32.23	3.09	PCI/G
URANIUM-238	SC-10907-S	1.54	3.08	PCI/G
URANIUM-238	SC-10910-S	1.90	3.80	PCI/G
URANIUM-238	SC-10908-S	1.83	2.18	PCI/G
URANIUM-238	SC-10913-S	4.99	3.81	PCI/G
URANIUM-238	SC-10911-S	1.75	3.49	PCI/G
URANIUM-238	SC-10914-S	1.57	3.14	PCI/G
URANIUM-238	SC-10912-S	1.87	3.74	PCI/G
URANIUM-238	SC-10917-S	17.03	3.80	PCI/G
URANIUM-238	SC-10915-S	2.13	4.25	PCI/G
URANIUM-238	SC-10918-S	1.63	2.18	PCI/G
URANIUM-238	SC-10916-S	2.04	4.07	PCI/G
URANIUM-238	SC-10921-S	2.15	4.31	PCI/G
URANIUM-238	SC-10919-S	1.95	3.89	PCI/G
URANIUM-238	SC-10922-S	1.95	3.89	PCI/G
URANIUM-238	SC-10920-S	1.63	3.25	PCI/G
URANIUM-238	SC-10923-S	1.70	1.80	PCI/G
URANIUM-238	SC-10924-S	10.23	2.51	PCI/G
URANIUM-238	SC-10904-C	1.99	3.97	PCI/G
URANIUM-238	SC-10913-C	1.47	2.93	PCI/G
URANIUM-238	SC-10917-C	2.13	4.26	PCI/G
URANIUM-238	SC-10918-C	2.29	4.08	PCI/G
URANIUM-238	SC-10919-C	2.63	2.23	PCI/G

Average of URANIUM-238 values is 3.85 PCI/G, which is below ALARA, 30.00 PCI/G.
Maximum single value is 32.23 PCI/G, which is below criteria, 120.00 PCI/G.

CU109 DATA REPORT, CONTINUED

THORIUM-230

NUMBER OF THORIUM-230 SAMPLES IN DATABASE FOR THIS CU IS: 30

PARAMETER	LOCATION	CONC	DL	UNITS
Thorium-230	SC-10901-S	0.68	0.72	PCI/G
Thorium-230	SC-10902-S	0.97	0.72	PCI/G
Thorium-230	SC-12228-S	0.95	0.72	PCI/G
Thorium-230	SC-10905-S	0.88	0.72	PCI/G
Thorium-230	SC-10903-S	0.85	0.72	PCI/G
Thorium-230	SC-10906-S	0.74	0.72	PCI/G
Thorium-230	SC-10904-S	0.86	0.72	PCI/G
Thorium-230	SC-10909-S	0.90	0.72	PCI/G
Thorium-230	SC-10907-S	0.78	0.72	PCI/G
Thorium-230	SC-10910-S	0.82	0.72	PCI/G
Thorium-230	SC-10908-S	1.21	0.72	PCI/G
Thorium-230	SC-10913-S	1.13	0.72	PCI/G
Thorium-230	SC-10914-S	1.10	0.72	PCI/G
Thorium-230	SC-10917-S	0.96	0.72	PCI/G
Thorium-230	SC-10915-S	1.00	0.72	PCI/G
Thorium-230	SC-10918-S	0.95	0.72	PCI/G
Thorium-230	SC-10921-S	0.81	0.72	PCI/G
Thorium-230	SC-10919-S	0.76	0.72	PCI/G
Thorium-230	SC-10922-S	1.05	0.72	PCI/G
Thorium-230	SC-10920-S	0.95	0.72	PCI/G
Thorium-230	SC-10923-S	1.15	0.72	PCI/G
Thorium-230	SC-10924-S	1.42	0.72	PCI/G
Thorium-230	SC-10902-C	0.84	0.72	PCI/G
Thorium-230	SC-10903-C	0.80	0.72	PCI/G
Thorium-230	SC-10904-C	0.80	0.72	PCI/G
Thorium-230	SC-10907-C	0.94	0.72	PCI/G
Thorium-230	SC-10913-C	0.84	0.72	PCI/G
Thorium-230	SC-10917-C	1.16	0.72	PCI/G
Thorium-230	SC-10918-C	1.21	0.72	PCI/G
Thorium-230	SC-10919-C	0.99	0.72	PCI/G

Average of Thorium-230 values is 0.95 PCI/G, which is below ALARA, 5.00 PCI/G.
Maximum single value is 1.42 PCI/G, which is below criteria, 6.20 PCI/G.

CU109 DATA REPORT, CONTINUED

RADIUM-226

NUMBER OF RADIUM-226 SAMPLES IN DATABASE FOR THIS CU IS: 31

PARAMETER	LOCATION	CONC	DL	UNITS
RADIUM-226	SC-12225-S	1.75	0.38	PCI/G
RADIUM-226	SC-10901-S	1.97	0.31	PCI/G
RADIUM-226	SC-10902-S	2.11	0.35	PCI/G
RADIUM-226	SC-12228-S	1.93	0.29	PCI/G
RADIUM-226	SC-10905-S	1.68	0.40	PCI/G
RADIUM-226	SC-10903-S	1.79	0.32	PCI/G
RADIUM-226	SC-10906-S	1.93	0.26	PCI/G
RADIUM-226	SC-10904-S	2.07	0.30	PCI/G
RADIUM-226	SC-10909-S	2.00	0.32	PCI/G
RADIUM-226	SC-10907-S	1.73	0.24	PCI/G
RADIUM-226	SC-10910-S	1.68	0.34	PCI/G
RADIUM-226	SC-10908-S	1.36	0.28	PCI/G
RADIUM-226	SC-10913-S	2.34	0.37	PCI/G
RADIUM-226	SC-10914-S	1.95	0.32	PCI/G
RADIUM-226	SC-10917-S	2.00	0.22	PCI/G
RADIUM-226	SC-10915-S	1.77	0.30	PCI/G
RADIUM-226	SC-10918-S	1.75	0.30	PCI/G
RADIUM-226	SC-10921-S	3.09	0.34	PCI/G
RADIUM-226	SC-10919-S	1.97	0.25	PCI/G
RADIUM-226	SC-10922-S	2.22	0.38	PCI/G
RADIUM-226	SC-10920-S	2.79	0.30	PCI/G
RADIUM-226	SC-10923-S	2.47	0.32	PCI/G
RADIUM-226	SC-10924-S	1.57	0.32	PCI/G
RADIUM-226	SC-10902-C	1.84	0.29	PCI/G
RADIUM-226	SC-10903-C	1.66	0.33	PCI/G
RADIUM-226	SC-10904-C	1.95	0.34	PCI/G
RADIUM-226	SC-10907-C	1.93	0.15	PCI/G
RADIUM-226	SC-10913-C	2.13	0.31	PCI/G
RADIUM-226	SC-10917-C	1.93	0.33	PCI/G
RADIUM-226	SC-10918-C	2.47	0.36	PCI/G
RADIUM-226	SC-10919-C	1.61	0.23	PCI/G

Average of RADIUM-226 values is 1.98 PCI/G, which is below ALARA, 5.00 PCI/G.
Maximum single value is 3.09 PCI/G, which is below criteria, 6.20 PCI/G.

CU109 DATA REPORT, CONTINUED

RADIUM-228

NUMBER OF RADIUM-228 SAMPLES IN DATABASE FOR THIS CU IS: 31

PARAMETER	LOCATION	CONC	DL	UNITS
RADIUM-228	SC-12225-S	1.94	0.19	PCI/G
RADIUM-228	SC-10901-S	1.45	0.24	PCI/G
RADIUM-228	SC-10902-S	0.68	1.35	PCI/G
RADIUM-228	SC-12228-S	1.66	0.35	PCI/G
RADIUM-228	SC-10905-S	1.13	0.66	PCI/G
RADIUM-228	SC-10903-S	1.13	0.29	PCI/G
RADIUM-228	SC-10906-S	1.30	0.32	PCI/G
RADIUM-228	SC-10904-S	1.44	0.50	PCI/G
RADIUM-228	SC-10909-S	1.55	0.39	PCI/G
RADIUM-228	SC-10907-S	1.54	0.39	PCI/G
RADIUM-228	SC-10910-S	1.35	0.24	PCI/G
RADIUM-228	SC-10908-S	1.25	0.41	PCI/G
RADIUM-228	SC-10913-S	0.68	1.35	PCI/G
RADIUM-228	SC-10914-S	1.45	0.47	PCI/G
RADIUM-228	SC-10917-S	1.37	0.48	PCI/G
RADIUM-228	SC-10915-S	1.65	0.47	PCI/G
RADIUM-228	SC-10918-S	1.31	0.48	PCI/G
RADIUM-228	SC-10921-S	1.70	0.59	PCI/G
RADIUM-228	SC-10919-S	1.34	0.52	PCI/G
RADIUM-228	SC-10922-S	1.17	0.62	PCI/G
RADIUM-228	SC-10920-S	1.57	0.43	PCI/G
RADIUM-228	SC-10923-S	1.33	0.40	PCI/G
RADIUM-228	SC-10924-S	1.80	0.40	PCI/G
RADIUM-228	SC-10902-C	1.45	0.39	PCI/G
RADIUM-228	SC-10903-C	1.30	0.41	PCI/G
RADIUM-228	SC-10904-C	1.58	0.40	PCI/G
RADIUM-228	SC-10907-C	1.36	0.54	PCI/G
RADIUM-228	SC-10913-C	1.36	0.41	PCI/G
RADIUM-228	SC-10917-C	1.31	0.52	PCI/G
RADIUM-228	SC-10918-C	1.50	0.59	PCI/G
RADIUM-228	SC-10919-C	0.96	0.35	PCI/G

Average of RADIUM-228 values is 1.37 PCI/G, which is below ALARA, 5.00 PCI/G.
Maximum single value is 1.94 PCI/G, which is below criteria, 6.20 PCI/G.

CU109 DATA REPORT, CONTINUED

ARSENIC

NUMBER OF ARSENIC SAMPLES IN DATABASE FOR THIS CU IS: 12

PARAMETER	LOCATION	CONC	DL	UNITS
Arsenic	SC-10909-S	6.10	0.47	UG/G
Arsenic	SC-10910-S	5.50	0.45	UG/G
Arsenic	SC-10913-S	7.10	0.45	UG/G
Arsenic	SC-10914-S	5.30	0.46	UG/G
Arsenic	SC-10917-S	4.30	0.45	UG/G
Arsenic	SC-10915-S	2.70	0.46	UG/G
Arsenic	SC-10918-S	5.50	0.47	UG/G
Arsenic	SC-10919-S	2.80	0.46	UG/G
Arsenic	SC-10913-C	7.60	0.46	UG/G
Arsenic	SC-10917-C	4.80	0.47	UG/G
Arsenic	SC-10918-C	13.20	0.46	UG/G
Arsenic	SC-10919-C	4.60	0.47	UG/G

Average of Arsenic values is 5.79 UG/G, which is below ALARA, 45.00 UG/G.
Maximum single value is 13.20 UG/G, which is below criteria, 75 UG/G.

PAH

NUMBER OF PAH SAMPLES IN DATABASE FOR THIS CU IS: 12

PARAMETER	LOCATION	CONC	DL	UNITS
PAH	SC-12225-S	0	39	UG/KG
PAH	SC-10901-S	0	41	UG/KG
PAH	SC-10902-S	0	39	UG/KG
PAH	SC-10905-S	0	42	UG/KG
PAH	SC-10909-S	0	46	UG/KG
PAH	SC-10910-S	0	44	UG/KG
PAH	SC-10913-S	0	43	UG/KG
PAH	SC-10914-S	420 MGH 4.10.97	44	UG/KG
PAH	SC-10917-S	~~430~~ 650	44	UG/KG
PAH	SC-10915-S	420 MGH 6.3.97	44	UG/KG
PAH	SC-10918-S	0	46	UG/KG
PAH	SC-10919-S	0	45	UG/KG

Average of PAH values is ~~105.83~~ 124.17 MGH 4.10.97 UG/KG, which is below ALARA, 440 UG/KG.
Maximum single value is ~~430~~ 650 MGH 4.10.97 UG/KG, which is below criteria, 5600 UG/KG.

CU109 DATA REPORT, CONTINUED

CHROMIUM

NUMBER OF CHROMIUM SAMPLES IN DATABASE FOR THIS CU IS: 25

PARAMETER	LOCATION	CONC	DL	UNITS
Chromium	SC-10901-S	11.70	0.35	UG/G
Chromium	SC-10902-S	14.10	0.34	UG/G
Chromium	SC-12228-S	12.40	0.38	UG/G
Chromium	SC-10905-S	18.10	0.37	UG/G
Chromium	SC-10903-S	9.20	0.35	UG/G
Chromium	SC-10906-S	12.60	0.35	UG/G
Chromium	SC-10904-S	17.10	0.37	UG/G
Chromium	SC-10909-S	16.90	0.40	UG/G
Chromium	SC-10907-S	9.30	0.37	UG/G
Chromium	SC-10910-S	13.60	0.38	UG/G
Chromium	SC-10908-S	11.60	0.35	UG/G
Chromium	SC-10913-S	21.90	0.37	UG/G
Chromium	SC-10914-S	13.00	0.38	UG/G
Chromium	SC-10917-S	13.90	0.38	UG/G
Chromium	SC-10915-S	11.90	0.38	UG/G
Chromium	SC-10918-S	18.30	0.39	UG/G
Chromium	SC-10919-S	8.60	0.39	UG/G
Chromium	SC-10902-C	7.80	0.36	UG/G
Chromium	SC-10903-C	6.60	0.35	UG/G
Chromium	SC-10904-C	11.20	0.37	UG/G
Chromium	SC-10907-C	10.00	0.35	UG/G
Chromium	SC-10913-C	16.20	0.38	UG/G
Chromium	SC-10917-C	14.20	0.39	UG/G
Chromium	SC-10918-C	23.60	0.38	UG/G
Chromium	SC-10919-C	16.70	0.39	UG/G

Average of Chromium values is 13.62 UG/G, which is below ALARA, 90.00 UG/G.
Maximum single value is 23.60 UG/G, which is below criteria, 110.00 UG/G.

CU109 DATA REPORT

LEAD

NUMBER OF LEAD SAMPLES IN DATABASE FOR THIS CU IS: 25

PARAMETER	LOCATION	CONC	DL	UNITS
Lead	SC-10901-S	7.90	0.19	UG/G
Lead	SC-10902-S	8.80	0.18	UG/G
Lead	SC-12228-S	13.70	0.20	UG/G
Lead	SC-10905-S	36.80	0.19	UG/G
Lead	SC-10903-S	28.20	0.19	UG/G
Lead	SC-10906-S	9.10	0.19	UG/G
Lead	SC-10904-S	8.40	0.20	UG/G
Lead	SC-10909-S	9.60	0.21	UG/G
Lead	SC-10907-S	19.30	0.20	UG/G
Lead	SC-10910-S	11.60	0.20	UG/G
Lead	SC-10908-S	10.20	0.19	UG/G
Lead	SC-10913-S	17.50	0.20	UG/G
Lead	SC-10914-S	8.50	0.20	UG/G
Lead	SC-10917-S	13.50	0.20	UG/G
Lead	SC-10915-S	8.90	0.20	UG/G
Lead	SC-10918-S	9.80	0.21	UG/G
Lead	SC-10919-S	6.00	0.21	UG/G
Lead	SC-10902-C	3.40	0.19	UG/G
Lead	SC-10903-C	6.90	0.19	UG/G
Lead	SC-10904-C	9.00	0.20	UG/G
Lead	SC-10907-C	8.00	0.19	UG/G
Lead	SC-10913-C	11.50	0.20	UG/G
Lead	SC-10917-C	14.60	0.21	UG/G
Lead	SC-10918-C	116	0.20	UG/G
Lead	SC-10919-C	8.80	0.21	UG/G

Average of Lead values is 16.24 UG/G, which is below ALARA, 240.00 UG/G.
Maximum single value is 116 UG/G, which is below criteria, 450 UG/G.

CU109 DATA REPORT, CONTINUED

PCB

NUMBER OF PCB SAMPLES IN DATABASE FOR THIS CU IS: 32

PARAMETER	LOCATION	CONC	DL	UNITS
PCB	SC-12225-S	0	37	UG/KG
PCB	SC-12226-S	0	38	UG/KG
PCB	SC-10901-S	0	39	UG/KG
PCB	SC-10902-S	0	37	UG/KG
PCB	SC-12228-S	60	42	UG/KG
PCB	SC-10905-S	0	40	UG/KG
PCB	SC-10903-S	0	38	UG/KG
PCB	SC-10906-S	0	39	UG/KG
PCB	SC-10904-S	0	41	UG/KG
PCB	SC-10909-S	75	44	UG/KG
PCB	SC-10907-S	0	41	UG/KG
PCB	SC-10910-S	0	42	UG/KG
PCB	SC-10908-S	0	39	UG/KG
PCB	SC-10913-S	0	41	UG/KG
PCB	SC-10914-S	0	42	UG/KG
PCB	SC-10917-S	0	42	UG/KG
PCB	SC-10915-S	0	42	UG/KG
PCB	SC-10918-S	0	43	UG/KG
PCB	SC-10921-S	0	41	UG/KG
PCB	SC-10919-S	0	43	UG/KG
PCB	SC-10922-S	0	38	UG/KG
PCB	SC-10920-S	44	39	UG/KG
PCB	SC-10923-S	0	39	UG/KG
PCB	SC-10924-S	1500	37	UG/KG
PCB	SC-10902-C	0	40	UG/KG
PCB	SC-10903-C	0	39	UG/KG
PCB	SC-10904-C	0	41	UG/KG
PCB	SC-10907-C	0	39	UG/KG
PCB	SC-10913-C	0	42	UG/KG
PCB	SC-10917-C	0	43	UG/KG
PCB	SC-10918-C	0	42	UG/KG
PCB	SC-10919-C	76	43	UG/KG

Average of PCB values is 54.84 UG/KG, which is below ALARA, 650 UG/KG.
Maximum single value is 1500 UG/KG, which is below criteria, 8000 UG/KG.

Weldon Spring Site Remedial Action Project
7295 Highway 94 South, St. Charles, Missouri, 63304

ES&H 1.2.1.1, Rev. 1, 03/96

SOIL CONFIRMATION REMEDIATION DISPOSITION FORM

SECTION I

1. Work Package Number: WP 420 2. Date: 01.06.97 3. Review Form #: 97-001

4. Remediation Unit Number: RU009 5. Confirmation Unit Number: CU110 (map attached)

6. Contaminants of Concern: X U-238 X Th-230 X Th-232 X Ra-226 X Ra-228
___ TNT X PCB X PAH X As X Cr X Pb ___ Tl

7. Results average below ALARA goal(s)?	X Yes	___ No
8. All results below cleanup criteria?	X Yes	___ No
9. Any results greater than 3X criteria?	___ Yes	X No
10. Hotspots present (less than 3X criteria)?	___ Yes	X No

Parameter	Size	Concentration	Complies with Plan?
			___ Yes ___ No
N/A			___ Yes ___ No
			___ Yes ___ No
			___ Yes ___ No

11. Reviewer: Melissa H. Lutz Date: 1/6/97

12. Reviewer Disposition Recommendation: X Release for Unrestricted Use (Section II)
___ Additional Excavation Required (Section IV)
___ ALARA Committee Required (Section III)

SECTION II *Results are ALARA. CU is released for unrestricted use.*

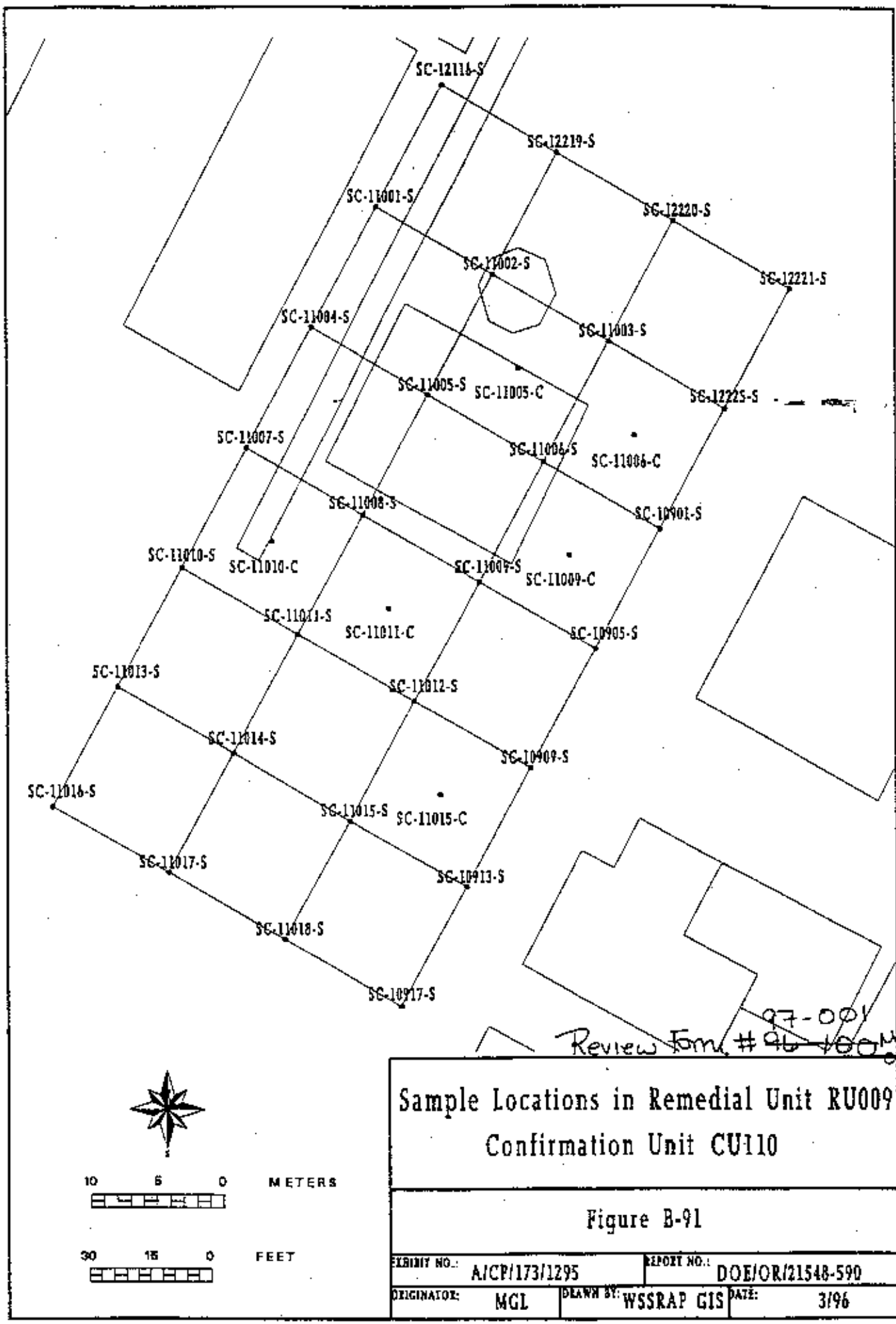
14. ES&H Manager: [signature] Date: 1/6/97

15. DOE Project Manager/Engineer: Thomas C. Dailey Date: 1/6/97

16. Project Manager: [signature] Date: 1/6/97

17. Construction Engineer: Darrell L. Capps Date: 1-6-97

SEE ATTACHED RESULTS AND MAP



Review Form # ~~96-100~~ 97-001 Nord 01/97

Sample Locations in Remedial Unit RU009
Confirmation Unit CU110

Figure B-91

EXHIBIT NO.: A/CP/173/1295		REPORT NO.: DOE/OR/21548-590	
ORIGINATOR: MGL	DRAWN BY: WSSRAP GIS	DATE: 3/96	

CU110 DATA REPORT

URANIUM-238

NUMBER OF URANIUM-238 SAMPLES IN DATABASE FOR THIS CU IS: 28

PARAMETER	LOCATION	CONC	DL	UNITS
URANIUM-238	SC-12116-S	3.46	2.39	PCI/G
URANIUM-238	SC-12219-S	1.97	3.94	PCI/G
URANIUM-238	SC-11001-S	2.07	4.14	PCI/G
URANIUM-238	SC-12220-S	1.62	3.23	PCI/G
URANIUM-238	SC-11002-S	2.00	4.01	PCI/G
URANIUM-238	SC-12221-S	3.86	4.39	PCI/G
URANIUM-238	SC-11004-S	1.61	3.21	PCI/G
URANIUM-238	SC-11003-S	1.52	3.04	PCI/G
URANIUM-238	SC-11005-S	1.55	3.10	PCI/G
URANIUM-238	SC-12225-S	2.10	4.21	PCI/G
URANIUM-238	SC-11007-S	1.96	3.91	PCI/G
URANIUM-238	SC-11006-S	1.49	2.97	PCI/G
URANIUM-238	SC-11008-S	1.84	3.67	PCI/G
URANIUM-238	SC-10901-S	1.93	3.85	PCI/G
URANIUM-238	SC-11010-S	5.44	4.27	PCI/G
URANIUM-238	SC-11009-S	2.06	4.11	PCI/G
URANIUM-238	SC-11011-S	2.04	4.07	PCI/G
URANIUM-238	SC-10905-S	1.92	3.83	PCI/G
URANIUM-238	SC-11013-S	12.41	3.40	PCI/G
URANIUM-238	SC-11012-S	1.63	3.25	PCI/G
URANIUM-238	SC-11014-S	1.95	3.89	PCI/G
URANIUM-238	SC-10909-S	32.23	3.09	PCI/G
URANIUM-238	SC-11016-S	2.13	4.26	PCI/G
URANIUM-238	SC-11015-S	2.06	4.11	PCI/G
URANIUM-238	SC-11017-S	2.29	4.59	PCI/G
URANIUM-238	SC-10913-S	4.99	3.81	PCI/G
URANIUM-238	SC-11018-S	1.62	3.24	PCI/G
URANIUM-238	SC-10917-S	17.03	3.80	PCI/G

Average of URANIUM-238 values is 4.24, which is below ALARA, 30.00
Maximum single value is 32.23, which is below criteria, 120.00

CU110 DATA REPORT, CONTINUED

THORIUM-230

NUMBER OF THORIUM-230 SAMPLES IN DATABASE FOR THIS CU IS: 27

PARAMETER	LOCATION	CONC	DL	UNITS
Thorium-230	SC-11001-S	0.82	0.72	PCI/G
Thorium-230	SC-11002-S	0.81	0.72	PCI/G
Thorium-230	SC-11004-S	0.75	0.72	PCI/G
Thorium-230	SC-11005-S	0.76	0.72	PCI/G
Thorium-230	SC-11005-C	0.92	0.72	PCI/G
Thorium-230	SC-11006-S	0.89	0.72	PCI/G
Thorium-230	SC-11006-C	0.90	0.72	PCI/G
Thorium-230	SC-11007-S	0.81	0.72	PCI/G
Thorium-230	SC-11008-S	0.99	0.72	PCI/G
Thorium-230	SC-11009-S	0.68	0.72	PCI/G
Thorium-230	SC-11009-C	0.82	0.72	PCI/G
Thorium-230	SC-11010-S	0.86	0.72	PCI/G
Thorium-230	SC-11010-C	0.89	0.72	PCI/G
Thorium-230	SC-11011-S	1.24	0.72	PCI/G
Thorium-230	SC-11011-C	0.99	0.72	PCI/G
Thorium-230	SC-11012-S	1.15	0.72	PCI/G
Thorium-230	SC-11013-S	1.21	0.72	PCI/G
Thorium-230	SC-11014-S	0.83	0.72	PCI/G
Thorium-230	SC-11015-S	0.80	0.72	PCI/G
Thorium-230	SC-11015-C	1.10	0.72	PCI/G
Thorium-230	SC-10901-S	0.68	0.72	PCI/G
Thorium-230	SC-10905-S	0.88	0.72	PCI/G
Thorium-230	SC-10909-S	0.90	0.72	PCI/G
Thorium-230	SC-10913-S	1.13	0.72	PCI/G
Thorium-230	SC-10917-S	0.96	0.72	PCI/G
Thorium-230	SC-12116-S	0.89	0.72	PCI/G
Thorium-230	SC-12221-S	0.99	0.72	PCI/G

Average of Thorium-230 values is 0.9~~2~~1, which is below ALARA, 5.00 MAL 8.18.97
Maximum single value is 1.24, which is below criteria, 6.20

Thorium-232

Thorium-232 cleanup attainment is determined by using the Radium-228 concentrations. The Thorium-232 activity concentration equals the Ra-228 concentration times 1.025 (TH232 Determination for Site Confirmation samples IOC dated November 20, 1995). This gives an average Thorium-232 value of 0.94 pCi/g, which is below ALARA of 5.00 pCi/g. The maximum calculated single value is 1.27 pCi/g, which is below criteria of 6.20 pCi/g.

CU110 DATA REPORT, CONTINUED

RADIUM-226

NUMBER OF RADIUM-226 SAMPLES IN DATABASE FOR THIS CU IS: 29

PARAMETER	LOCATION	CONC	DL	UNITS
RADIUM-226	SC-12116-S	1.84	0.23	PCI/G
RADIUM-226	SC-11001-S	1.66	0.29	PCI/G
RADIUM-226	SC-11002-S	1.93	0.28	PCI/G
RADIUM-226	SC-12221-S	1.86	0.30	PCI/G
RADIUM-226	SC-11004-S	2.00	0.26	PCI/G
RADIUM-226	SC-11005-S	1.86	0.26	PCI/G
RADIUM-226	SC-12225-S	1.75	0.38	PCI/G
RADIUM-226	SC-11007-S	1.27	0.41	PCI/G
RADIUM-226	SC-11006-S	1.82	0.31	PCI/G
RADIUM-226	SC-11008-S	1.68	0.33	PCI/G
RADIUM-226	SC-10901-S	1.97	0.31	PCI/G
RADIUM-226	SC-11010-S	2.02	0.34	PCI/G
RADIUM-226	SC-11009-S	0.86	0.76	PCI/G
RADIUM-226	SC-11011-S	1.77	0.37	PCI/G
RADIUM-226	SC-10905-S	1.68	0.40	PCI/G
RADIUM-226	SC-11013-S	2.84	0.31	PCI/G
RADIUM-226	SC-11012-S	1.95	0.29	PCI/G
RADIUM-226	SC-11014-S	1.97	0.36	PCI/G
RADIUM-226	SC-10909-S	2.00	0.32	PCI/G
RADIUM-226	SC-11015-S	2.11	0.36	PCI/G
RADIUM-226	SC-10913-S	2.34	0.37	PCI/G
RADIUM-226	SC-11018-S	2.20	0.30	PCI/G
RADIUM-226	SC-10917-S	2.00	0.22	PCI/G
RADIUM-226	SC-11005-C	1.61	0.35	PCI/G
RADIUM-226	SC-11006-C	1.73	0.32	PCI/G
RADIUM-226	SC-11010-C	0.85	0.75	PCI/G
RADIUM-226	SC-11009-C	1.84	0.29	PCI/G
RADIUM-226	SC-11011-C	1.75	0.30	PCI/G
RADIUM-226	SC-11015-C	2.22	0.27	PCI/G

Average of RADIUM-226 values is 1.84, which is below ALARA, 5.00
Maximum single value is 2.84, which is below criteria, 6.20

CU110 DATA REPORT, CONTINUED

RADIUM-228

NUMBER OF RADIUM-228 SAMPLES IN DATABASE FOR THIS CU IS: 29

PARAMETER	LOCATION	CONC	DL	UNITS
RADIUM-228	SC-12116-S	1.41	0.42	PCI/G
RADIUM-228	SC-11001-S	1.32	0.57	PCI/G
RADIUM-228	SC-11002-S	1.61	0.52	PCI/G
RADIUM-228	SC-12221-S	1.53	0.45	PCI/G
RADIUM-228	SC-11004-S	1.09	0.51	PCI/G
RADIUM-228	SC-11005-S	1.48	0.35	PCI/G
RADIUM-228	SC-12225-S	1.94	0.19	PCI/G
RADIUM-228	SC-11007-S	1.43	0.42	PCI/G
RADIUM-228	SC-11006-S	1.10	0.44	PCI/G
RADIUM-228	SC-11008-S	1.39	0.49	PCI/G
RADIUM-228	SC-10901-S	1.45	0.24	PCI/G
RADIUM-228	SC-11010-S	0.67	1.34	PCI/G
RADIUM-228	SC-11009-S	1.09	0.24	PCI/G
RADIUM-228	SC-11011-S	1.49	0.40	PCI/G
RADIUM-228	SC-10905-S	1.13	0.66	PCI/G
RADIUM-228	SC-11013-S	1.32	0.46	PCI/G
RADIUM-228	SC-11012-S	1.52	0.48	PCI/G
RADIUM-228	SC-11014-S	1.33	0.50	PCI/G
RADIUM-228	SC-10909-S	1.55	0.39	PCI/G
RADIUM-228	SC-11015-S	1.67	0.61	PCI/G
RADIUM-228	SC-10913-S	0.68	1.35	PCI/G
RADIUM-228	SC-11018-S	1.29	0.39	PCI/G
RADIUM-228	SC-10917-S	1.37	0.48	PCI/G
RADIUM-228	SC-11005-C	1.43	0.46	PCI/G
RADIUM-228	SC-11006-C	1.37	0.57	PCI/G
RADIUM-228	SC-11010-C	1.42	0.45	PCI/G
RADIUM-228	SC-11009-C	1.51	0.41	PCI/G
RADIUM-228	SC-11011-C	1.60	0.39	PCI/G
RADIUM-228	SC-11015-C	1.28	0.47	PCI/G

Average of RADIUM-228 values is 1.36, which is below ALARA, 5.00
Maximum single value is 1.94, which is below criteria, 6.20

CU110 DATA REPORT, CONTINUED

ARSENIC

NUMBER OF ARSENIC SAMPLES IN DATABASE FOR THIS CU IS: 4

PARAMETER	LOCATION	CONC	DL	UNITS
Arsenic	SC-12116-S	10.10	0.45	UG/G
Arsenic	SC-10909-S	6.10	0.47	UG/G
Arsenic	SC-10913-S	7.10	0.45	UG/G
Arsenic	SC-10917-S	4.30	0.45	UG/G

Average of Arsenic values is 6.90 UG/G, which is below ALARA, 45.00 UG/G.
Maximum single value is 10.10 UG/G, which is below criteria, 75 UG/G.

PAH

NUMBER OF PAH SAMPLES IN DATABASE FOR THIS CU IS: 21

PARAM	LOCATION	CONC	DL	UNITS
PAH	SC-11002-S	0	43	UG/KG
PAH	SC-11003-S	0	41	UG/KG
PAH	SC-11005-S	0	41	UG/KG
PAH	SC-12225-S	0	39	UG/KG
PAH	SC-11007-S	0	44	UG/KG
PAH	SC-11006-S	0	42	UG/KG
PAH	SC-11008-S	0	41	UG/KG
PAH	SC-10901-S	0	41	UG/KG
PAH	SC-11010-S	0	46	UG/KG
PAH	SC-11009-S	0	39	UG/KG
PAH	SC-11011-S	0	43	UG/KG
PAH	SC-10905-S	0	42	UG/KG
PAH	SC-11013-S	0	40	UG/KG
PAH	SC-11012-S	192	44	UG/KG
PAH	SC-11014-S	0	43	UG/KG
PAH	SC-10909-S	0	46	UG/KG
PAH	SC-11015-S	0	44	UG/KG
PAH	SC-10913-S	0	43	UG/KG
PAH	SC-11018-S	0	44	UG/KG
PAH	SC-10917-S	420	44	UG/KG
PAH	SC-11005-C	0	42	UG/KG

Average of PAH values is 29.14 UG/KG, which is below ALARA, 440 UG/KG.
Maximum single value is 420.0 UG/KG, which is below criteria, 5600 UG/KG.

CU110 DATA REPORT, CONTINUED

CHROMIUM

NUMBER OF CHROMIUM SAMPLES IN DATABASE FOR THIS CU IS: 27

Parameter	Location	Conc	DL	UNITS
Chromium	SC-12116-S	14.60	0.38	UG/G
Chromium	SC-11001-S	21.40	0.38	UG/G
Chromium	SC-11002-S	11.20	0.37	UG/G
Chromium	SC-12221-S	10.60	0.37	UG/G
Chromium	SC-11004-S	12.60	0.36	UG/G
Chromium	SC-11005-S	14.80	0.35	UG/G
Chromium	SC-11007-S	17.90	0.38	UG/G
Chromium	SC-11006-S	12.90	0.36	UG/G
Chromium	SC-11008-S	16.80	0.35	UG/G
Chromium	SC-10901-S	11.70	0.35	UG/G
Chromium	SC-11010-S	24.70	0.39	UG/G
Chromium	SC-11009-S	15.00	0.34	UG/G
Chromium	SC-11011-S	12.40	0.37	UG/G
Chromium	SC-10905-S	18.10	0.37	UG/G
Chromium	SC-11013-S	16.40	0.34	UG/G
Chromium	SC-11012-S	15.70	0.38	UG/G
Chromium	SC-11014-S	17.80	0.37	UG/G
Chromium	SC-10909-S	16.90	0.40	UG/G
Chromium	SC-11015-S	14.60	0.38	UG/G
Chromium	SC-10913-S	21.90	0.37	UG/G
Chromium	SC-10917-S	13.90	0.38	UG/G
Chromium	SC-11005-C	9.80	0.36	UG/G
Chromium	SC-11006-C	13.30	0.37	UG/G
Chromium	SC-11010-C	16.30	0.36	UG/G
Chromium	SC-11009-C	11.40	0.36	UG/G
Chromium	SC-11011-C	12.40	0.38	UG/G
Chromium	SC-11015-C	18.10	0.38	UG/G

Average of Chromium values is 15.30 UG/G, which is below ALARA, 90.00 UG/G.
Maximum single value is 24.70 UG/G, which is below criteria, 110.00 UG/G.

CU110 DATA REPORT, CONTINUED

LEAD

NUMBER OF LEAD SAMPLES IN DATABASE FOR THIS CU IS: 27

Parameter	Location	Conc	DL	UNITS
Lead	SC-12116-S	9.50	0.20	UG/G
Lead	SC-11001-S	9.00	0.21	UG/G
Lead	SC-11002-S	13.10	0.20	UG/G
Lead	SC-12221-S	14.50	0.20	UG/G
Lead	SC-11004-S	13.70	0.19	UG/G
Lead	SC-11005-S	11.00	0.19	UG/G
Lead	SC-11007-S	53.30	0.20	UG/G
Lead	SC-11006-S	16.00	0.19	UG/G
Lead	SC-11008-S	10.00	0.19	UG/G
Lead	SC-10901-S	7.90	0.19	UG/G
Lead	SC-11010-S	13.00	0.21	UG/G
Lead	SC-11009-S	10.90	0.18	UG/G
Lead	SC-11011-S	12.60	0.20	UG/G
Lead	SC-10905-S	36.80	0.19	UG/G
Lead	SC-11013-S	21.50	0.18	UG/G
Lead	SC-11012-S	19.60	0.20	UG/G
Lead	SC-11014-S	21.10	0.20	UG/G
Lead	SC-10909-S	9.60	0.21	UG/G
Lead	SC-11015-S	11.40	0.20	UG/G
Lead	SC-10913-S	17.50	0.20	UG/G
Lead	SC-10917-S	13.50	0.20	UG/G
Lead	SC-11005-C	8.80	0.19	UG/G
Lead	SC-11006-C	8.20	0.20	UG/G
Lead	SC-11010-C	6.30	0.19	UG/G
Lead	SC-11009-C	6.30	0.19	UG/G
Lead	SC-11011-C	18.10	0.20	UG/G
Lead	SC-11015-C	9.60	0.20	UG/G

Average of Lead values is 14.92 UG/G, which is below ALARA, 240.00 UG/G.
Maximum single value is 53.30 UG/G, which is below criteria, 450 UG/G.

CU110 DATA REPORT, CONTINUED

PCB

NUMBER OF PCB SAMPLES IN DATABASE FOR THIS CU IS: 29

PARAM	LOCATION	CONC	DL	UNITS
PCB	SC-12116-S	0	41	UG/KG
PCB	SC-11001-S	0	42	UG/KG
PCB	SC-11002-S	0	41	UG/KG
PCB	SC-12221-S	0	41	UG/KG
PCB	SC-11004-S	0	40	UG/KG
PCB	SC-11005-S	0	39	UG/KG
PCB	SC-12225-S	0	37	UG/KG
PCB	SC-11007-S	0	42	UG/KG
PCB	SC-11006-S	0	40	UG/KG
PCB	SC-11008-S	0	39	UG/KG
PCB	SC-10901-S	0	39	UG/KG
PCB	SC-11010-S	0	44	UG/KG
PCB	SC-11009-S	0	37	UG/KG
PCB	SC-11011-S	860	41	UG/KG
PCB	SC-10905-S	0	40	UG/KG
PCB	SC-11013-S	0	38	UG/KG
PCB	SC-11012-S	4900	42	UG/KG
PCB	SC-11014-S	0	41	UG/KG
PCB	SC-10909-S	75	44	UG/KG
PCB	SC-11015-S	0	42	UG/KG
PCB	SC-10913-S	0	41	UG/KG
PCB	SC-11018-S	0	42	UG/KG
PCB	SC-10917-S	0	42	UG/KG
PCB	SC-11005-C	0	40	UG/KG
PCB	SC-11006-C	0	41	UG/KG
PCB	SC-11010-C	0	40	UG/KG
PCB	SC-11009-C	0	40	UG/KG
PCB	SC-11011-C	0	42	UG/KG
PCB	SC-11015-C	0	41	UG/KG

Average of PCB values is 67.07 UG/KG, which is below ALARA, 650 UG/KG.
Maximum single value is 1633.33 UG/KG, which is below criteria, 8000 UG/KG.

Weldon Spring Site Remedial Action Project
7295 Highway 94 South, St. Charles, Missouri, 63304

ES&H 1.2.1.1, Rev. 1, 03/96

SOIL CONFIRMATION REMEDIATION DISPOSITION FORM

SECTION I

1. Work Package Number: WP420 2. Date: 12.18.96 3. Review Form #: 96-098

4. Remediation Unit Number: RU009 5. Confirmation Unit Number: CU 111 (map attached)

6. Contaminants of Concern: X U-238 X Th-230 X Th-232 X Ra-226 X Ra-228
___ TNT X PCB X PAH ___ As ___ Cr ___ Pb ___ Tl

7. Results average below ALARA goal(s)?	X Yes	___ No
8. All results below cleanup criteria?	X Yes	___ No
9. Any results greater than 3X criteria?	___ Yes	X No
10. Hotspots present (less than 3X criteria)?	___ Yes	X No

Parameter	Size	Concentration	Complies with Plan?
N/A			___ Yes ___ No
			___ Yes ___ No
			___ Yes ___ No
			___ Yes ___ No

11. Reviewer: Melvin A. Lutz Date: 12/18/96

12. Reviewer Disposition Recommendation: X Release for Unrestricted Use (Section II)
___ Additional Excavation Required (Section IV)
___ ALARA Committee Required (Section III)

SECTION II *Results are ALARA. CU is released for unrestricted use.*

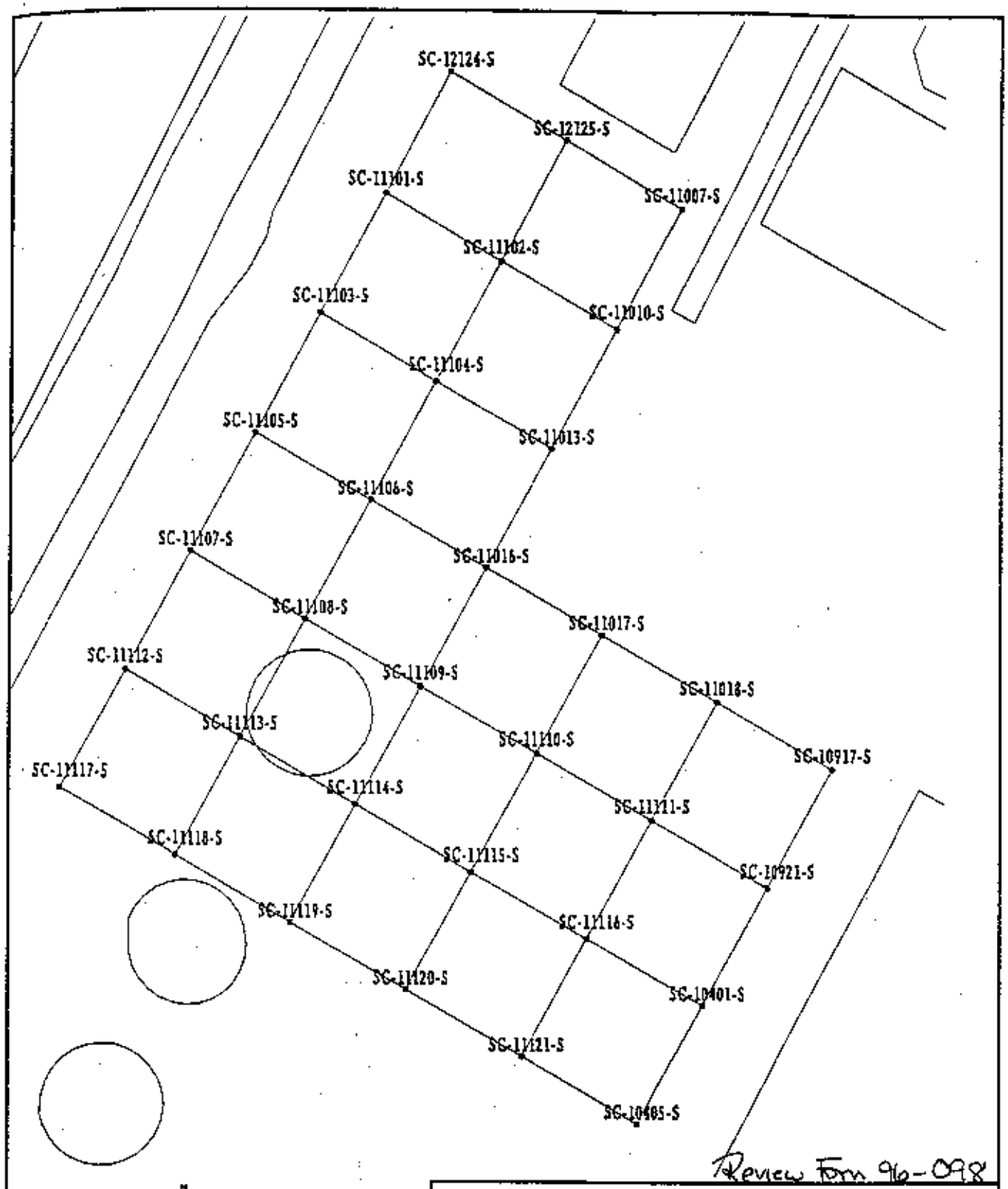
14. ES&H Manager: [signature] Date: 12/18/96

15. DOE Project Manager/Engineer: Thomas C. Pauly Date: 12/18/96

16. Project Manager: [signature] Date: 12/18/96

17. Construction Engineer: Daniel L. Capps Date: 12-18-96

SEE ATTACHED RESULTS AND MAP



Review Form 96-098

N
W E
S

10 5 0 METERS

30 15 0 FEET

Sample Locations in Remedial Unit RU009 Confirmation Unit CU111

Figure B-92

EXHIBIT NO.: A/CP/174/1295		REPORT NO.: DOE/OR/21548-590	
ORIGINATOR: MGL	DRAWN BY: WSSRAP GIS	DATE: 3/96	

CU111 DATA REPORT

URANIUM-238

NUMBER OF URANIUM-238 SAMPLES IN DATABASE FOR THIS CU IS: 33

PARAMETER	LOCATION	CONC	DL	UNITS
URANIUM-238	SC-12124-S	1.92	3.83	PCI/G
URANIUM-238	SC-12125-S	1.56	3.13	PCI/G
URANIUM-238	SC-11101-S	2.05	4.10	PCI/G
URANIUM-238	SC-11007-S	1.96	3.91	PCI/G
URANIUM-238	SC-11102-S	6.29	2.68	PCI/G
URANIUM-238	SC-11103-S	1.50	3.01	PCI/G
URANIUM-238	SC-11010-S	5.44	4.27	PCI/G
URANIUM-238	SC-11104-S	1.99	3.98	PCI/G
URANIUM-238	SC-11105-S	1.66	3.31	PCI/G
URANIUM-238	SC-11013-S	12.41	3.40	PCI/G
URANIUM-238	SC-11106-S	3.44	2.19	PCI/G
URANIUM-238	SC-11107-S	1.47	2.93	PCI/G
URANIUM-238	SC-11016-S	2.13	4.26	PCI/G
URANIUM-238	SC-11108-S	9.12	2.83	PCI/G
URANIUM-238	SC-11017-S	2.29	4.59	PCI/G
URANIUM-238	SC-11112-S	2.21	4.41	PCI/G
URANIUM-238	SC-11109-S	2.19	4.38	PCI/G
URANIUM-238	SC-11018-S	1.62	3.24	PCI/G
URANIUM-238	SC-11113-S	14.83	2.58	PCI/G
URANIUM-238	SC-11110-S	3.11	2.21	PCI/G
URANIUM-238	SC-10917-S	17.03	3.80	PCI/G
URANIUM-238	SC-11117-S	2.71	3.01	PCI/G
URANIUM-238	SC-11114-S	11.52	4.42	PCI/G
URANIUM-238	SC-11111-S	1.53	3.06	PCI/G
URANIUM-238	SC-11118-S	1.84	3.73	PCI/G
URANIUM-238	SC-11115-S	1.61	3.21	PCI/G
URANIUM-238	SC-10921-S	2.15	4.31	PCI/G
URANIUM-238	SC-11119-S	2.13	4.26	PCI/G
URANIUM-238	SC-11116-S	1.56	3.13	PCI/G
URANIUM-238	SC-11120-S	2.19	4.37	PCI/G
URANIUM-238	SC-10401-S	11.94	4.87	PCI/G
URANIUM-238	SC-11121-S	1.57	3.15	PCI/G
URANIUM-238	SC-10405-S	1.93	3.86	PCI/G

Average of URANIUM-238 values is 4.21 PCI/G, which is below ALARA, 30.00 PCI/G.
Maximum single value is 17.03 PCI/G, which is below criteria, 120.00 PCI/G.

THORIUM-230

NUMBER OF Thorium-230 SAMPLES IN DATABASE FOR THIS CU IS: 11

PARAMETER	LOCATION	CONC	DL	UNITS
Thorium-230	SC-12124-S	1.02	0.72	PCI/G
Thorium-230	SC-12125-S	0.71	0.72	PCI/G
Thorium-230	SC-11007-S	0.81	0.72	PCI/G
Thorium-230	SC-11102-S	1.11	0.72	PCI/G
Thorium-230	SC-11010-S	0.86	0.72	PCI/G
Thorium-230	SC-11104-S	1.02	0.72	PCI/G
Thorium-230	SC-11013-S	1.21	0.72	PCI/G
Thorium-230	SC-10917-S	0.96	0.72	PCI/G
Thorium-230	SC-10921-S	0.81	0.72	PCI/G
Thorium-230	SC-10401-S	1.24	0.72	PCI/G
Thorium-230	SC-10405-S	0.89	0.72	PCI/G

Average of Thorium-230 values is 0.97 PCI/G, which is below ALARA, 5.00 PCI/G.
Maximum single value is 1.24 PCI/G, which is below criteria, 6.20 PCI/G.

CU111 DATA REPORT (CONTINUED)

RADIUM-226

NUMBER OF RADIUM-226 SAMPLES IN DATABASE FOR THIS CU IS: 12

PARAMETER	LOCATION	CONC	DL	UNITS
RADIUM-226	SC-12124-S	1.93	0.39	PCI/G
RADIUM-226	SC-12125-S	2.27	0.26	PCI/G
RADIUM-226	SC-11007-S	1.27	0.41	PCI/G
RADIUM-226	SC-11102-S	1.50	0.37	PCI/G
RADIUM-226	SC-11010-S	2.02	0.34	PCI/G
RADIUM-226	SC-11104-S	2.34	0.31	PCI/G
RADIUM-226	SC-11013-S	2.84	0.31	PCI/G
RADIUM-226	SC-11018-S	2.20	0.30	PCI/G
RADIUM-226	SC-10917-S	2.00	0.22	PCI/G
RADIUM-226	SC-10921-S	3.09	0.34	PCI/G
RADIUM-226	SC-10401-S	2.22	0.45	PCI/G
RADIUM-226	SC-10405-S	1.77	0.26	PCI/G

Average of RADIUM-226 values is 2.12 PCI/G, which is below ALARA, 5.00 PCI/G.
Maximum single value is 3.09 PCI/G, which is below criteria, 6.20 PCI/G.

RADIUM-228

NUMBER OF RADIUM-228 SAMPLES IN DATABASE FOR THIS CU IS: 12

PARAMETER	LOCATION	CONC	DL	UNITS
RADIUM-228	SC-12124-S	1.28	0.59	PCI/G
RADIUM-228	SC-12125-S	1.06	0.47	PCI/G
RADIUM-228	SC-11007-S	1.43	0.42	PCI/G
RADIUM-228	SC-11102-S	1.17	0.59	PCI/G
RADIUM-228	SC-11010-S	0.67	1.34	PCI/G
RADIUM-228	SC-11104-S	1.33	0.51	PCI/G
RADIUM-228	SC-11013-S	1.32	0.46	PCI/G
RADIUM-228	SC-11018-S	1.29	0.39	PCI/G
RADIUM-228	SC-10917-S	1.37	0.48	PCI/G
RADIUM-228	SC-10921-S	1.70	0.59	PCI/G
RADIUM-228	SC-10401-S	2.58	0.70	PCI/G
RADIUM-228	SC-10405-S	0.61	1.22	PCI/G

Average of RADIUM-228 values is 1.32 PCI/G, which is below ALARA, 5.00 PCI/G.
Maximum single value is 2.58 PCI/G, which is below criteria, 6.20 PCI/G.

ARSENIC

NUMBER OF Arsenic SAMPLES IN DATABASE FOR THIS CU IS: 3

PARAMETER	LOCATION	CONC	DL	UNITS
Arsenic	SC-10917-S	4.30	0.45	UG/G
Arsenic	SC-12124-S	2.90	0.43	UG/G
Arsenic	SC-12125-S	8.00	0.43	UG/G

Average of Arsenic values is 5.07 UG/G, which is below ALARA, 45.00 UG/G.
Maximum single value is 8.00 UG/G, which is below criteria, 75 UG/G.

CU111 DATA REPORT (CONTINUED)

CHROMIUM

NUMBER OF Chromium SAMPLES IN DATABASE FOR THIS CU IS: 8

PARAMETER	LOCATION	CONC	DL	UNITS
Chromium	SC-10917-S	13.90	0.38	UG/G
Chromium	SC-11102-S	19.20	0.37	UG/G
Chromium	SC-11104-S	19.90	0.37	UG/G
Chromium	SC-11007-S	17.90	0.38	UG/G
Chromium	SC-11010-S	24.70	0.39	UG/G
Chromium	SC-11013-S	16.40	0.34	UG/G
Chromium	SC-12124-S	10.90	0.36	UG/G
Chromium	SC-12125-S	18.20	0.36	UG/G

Average of Chromium values is 17.64 UG/G, which is below ALARA, 90.00 UG/G.
Maximum single value is 24.70 UG/G, which is below criteria, 110.00 UG/G.

LEAD

NUMBER OF Lead SAMPLES IN DATABASE FOR THIS CU IS: 8

PARAMETER	LOCATION	CONC	DL	UNITS
Lead	SC-10917-S	13.50	0.20	UG/G
Lead	SC-11102-S	24.60	0.20	UG/G
Lead	SC-11104-S	19.70	0.20	UG/G
Lead	SC-11007-S	53.30	0.20	UG/G
Lead	SC-11010-S	13.00	0.21	UG/G
Lead	SC-11013-S	21.50	0.18	UG/G
Lead	SC-12124-S	6.80	0.19	UG/G
Lead	SC-12125-S	13.40	0.19	UG/G

Average of Lead values is 20.73 UG/G, which is below ALARA, 240.00 UG/G.
Maximum single value is 53.30 UG/G, which is below criteria, 450 UG/G.

PCB

NUMBER OF PCB SAMPLES IN DATABASE FOR THIS CU IS: 12

PARAMETER	LOCATION	CONC	DL	UNITS
PCB	SC-10917-S	0	42	UG/KG
PCB	SC-10921-S	0	41	UG/KG
PCB	SC-10401-S	69	38	UG/KG
PCB	SC-10405-S	0	43	UG/KG
PCB	SC-11007-S	0	42	UG/KG
PCB	SC-11010-S	0	44	UG/KG
PCB	SC-11013-S	0	38	UG/KG
PCB	SC-11102-S	0	41	UG/KG
PCB	SC-11104-S	0	41	UG/KG
PCB	SC-11018-S	0	42	UG/KG
PCB	SC-12124-S	0	40	UG/KG
PCB	SC-12125-S	0	40	UG/KG

Average of PCB values is 5.75 UG/KG, which is below ALARA, 650 UG/KG.
Maximum single value is 69 UG/KG, which is below criteria, 8000 UG/KG.

CU111 DATA REPORT (CONTINUED)

PAH

NUMBER OF PAH SAMPLES IN DATABASE FOR THIS CU IS: 6

PARAMETER	LOCATION	CONC	DL	UNITS
PAH	SC-10917-S	~~530~~ 420	44	UG/KG
PAH	SC-11102-S	0	43	UG/KG
PAH	SC-11018-S	0	44	UG/KG
PAH	SC-11007-S	0	44	UG/KG
PAH	SC-11010-S	0	46	UG/KG
PAH	SC-11013-S	0	40	UG/KG

Average of PAH values is ~~80.33~~ 70 UG/KG, which is below ALARA, 440 UG/KG.
Maximum single value is ~~5300~~ 420 UG/KG, which is below criteria, 5600 UG/KG.

Weldon Spring Site Remedial Action Project
7295 Highway 94 South, St. Charles, Missouri, 63304

ES&H 1.2.1.1, Rev. 1, 03/96

SOIL CONFIRMATION REMEDIATION DISPOSITION FORM

SECTION I

1. Work Package Number: WP420 2. Date: 12·18·96 3. Review Form #: 96-099

4. Remediation Unit Number: RU009 5. Confirmation Unit Number: CU112 (map attached)

6. Contaminants of Concern: X U-238 X Th-230 X Th-232 X Ra-226 X Ra-228
___ TNT X PCB ___ PAH X As X Cr X Pb ___ Tl

7. Results average below ALARA goal(s)?	X Yes	___ No
8. All results below cleanup criteria?	X Yes	___ No
9. Any results greater than 3X criteria?	___ Yes	X No
10. Hotspots present (less than 3X criteria)?	___ Yes	X No

Parameter	Size	Concentration	Complies with Plan?
N/A			___ Yes ___ No
			___ Yes ___ No
			___ Yes ___ No
			___ Yes ___ No

11. Reviewer: Melissa H. Lietz Date: 12/18/96

12. Reviewer Disposition Recommendation: X Release for Unrestricted Use (Section II)
___ Additional Excavation Required (Section IV)
___ ALARA Committee Required (Section III)

SECTION II

Results are ALARA. CU is released for unrestricted use.

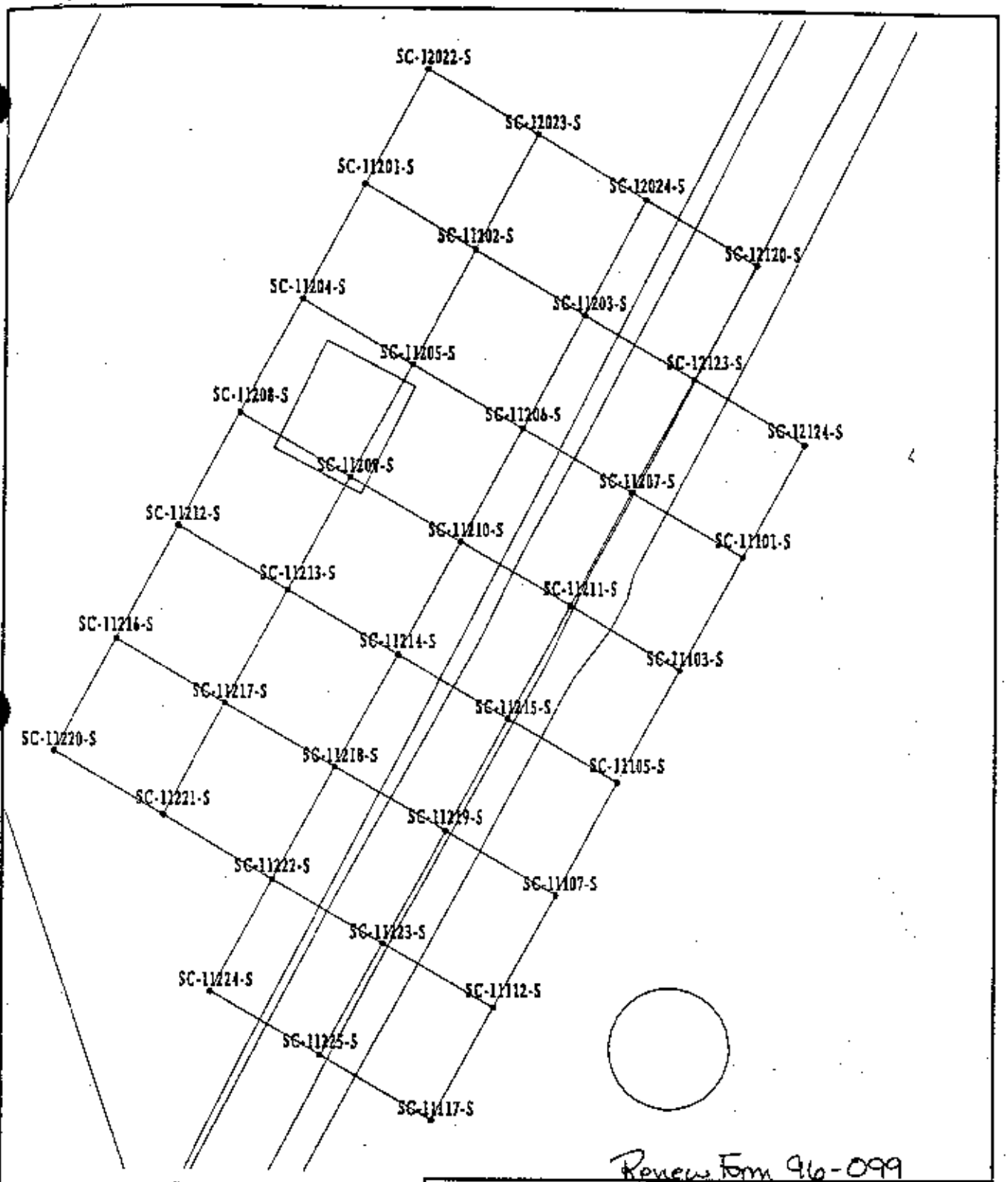
14. ES&H Manager: [signature] Date: 12/18/96

15. DOE Project Manager/Engineer: Thomas C. Pauley Date: 12/18/96

16. Project Manager: [signature] Date: 12/18/96

17. Construction Engineer: Darrell L. Cooper Date: 12-18-96

SEE ATTACHED RESULTS AND MAP



Renew Form 96-099

10 5 0 METERS

30 15 0 FEET

Sample Locations in Remedial Unit RU009 Confirmation Unit CU112

Figure B-93

EXHIBIT NO.: A/CP/175/1295		REPORT NO.: DOE/OR/21548-590	
DESIGNATOR: MGL	DRAWN BY: WSSRAP GIS	DATE: 3/96	

CU112 DATA REPORT

URANIUM-238

NUMBER OF URANIUM-238 SAMPLES IN DATABASE FOR THIS CU IS: 37

PARAMETER	LOCATION	CONC	DL	UNITS
URANIUM-238	SC-12022-S	2.08	4.17	PCI/G
URANIUM-238	SC-12023-S	1.61	3.21	PCI/G
URANIUM-238	SC-11201-S	1.88	3.76	PCI/G
URANIUM-238	SC-12024-S	2.00	4.01	PCI/G
URANIUM-238	SC-11202-S	1.65	3.30	PCI/G
URANIUM-238	SC-12120-S	2.17	4.35	PCI/G
URANIUM-238	SC-11204-S	1.59	3.17	PCI/G
URANIUM-238	SC-11203-S	1.92	3.83	PCI/G
URANIUM-238	SC-11205-S	2.07	4.14	PCI/G
URANIUM-238	SC-12123-S	1.60	3.19	PCI/G
URANIUM-238	SC-11208-S	2.09	4.18	PCI/G
URANIUM-238	SC-11206-S	1.64	3.46	PCI/G
URANIUM-238	SC-12124-S	1.92	3.83	PCI/G
URANIUM-238	SC-11209-S	1.99	3.97	PCI/G
URANIUM-238	SC-11207-S	1.65	3.30	PCI/G
URANIUM-238	SC-11212-S	5.69	2.58	PCI/G
URANIUM-238	SC-11210-S	3.70	3.03	PCI/G
URANIUM-238	SC-11101-S	2.05	4.10	PCI/G
URANIUM-238	SC-11213-S	2.23	4.45	PCI/G
URANIUM-238	SC-11211-S	1.99	3.97	PCI/G
URANIUM-238	SC-11216-S	4.14	3.04	PCI/G
URANIUM-238	SC-11214-S	2.00	4.00	PCI/G
URANIUM-238	SC-11103-S	1.50	3.01	PCI/G
URANIUM-238	SC-11217-S	2.21	4.42	PCI/G
URANIUM-238	SC-11215-S	1.51	3.02	PCI/G
URANIUM-238	SC-11220-S	2.02	4.04	PCI/G
URANIUM-238	SC-11218-S	5.41	2.74	PCI/G
URANIUM-238	SC-11105-S	1.66	3.31	PCI/G
URANIUM-238	SC-11221-S	1.54	3.08	PCI/G
URANIUM-238	SC-11219-S	2.02	4.05	PCI/G
URANIUM-238	SC-11222-S	1.52	3.17	PCI/G
URANIUM-238	SC-11107-S	1.47	2.93	PCI/G
URANIUM-238	SC-11223-S	1.62	3.24	PCI/G
URANIUM-238	SC-11224-S	1.84	3.67	PCI/G
URANIUM-238	SC-11112-S	2.21	4.41	PCI/G
URANIUM-238	SC-11225-S	1.99	3.98	PCI/G
URANIUM-238	SC-11117-S	2.71	3.01	PCI/G

Average of URANIUM-238 values is 2.19 pCi/g, which is below ALARA, 30.00 pCi/g.
Maximum single value is 5.69 pCi/g, which is below criteria, 120.00 pCi/g.

CU112 DATA REPORT (CONTINUED)

THORIUM-230

NUMBER OF Thorium-230 SAMPLES IN DATABASE FOR THIS CU IS: 1

PARAMETER	LOCATION	CONC	DL	UNITS
Thorium-230	SC-12124-S	1.02	0.72	PCI/G

Average of Thorium-230 values is 1.02 PCI/G, which is below ALARA, 5.00 PCI/G.
Maximum single value is 1.02 PCI/G, which is below criteria, 6.20 PCI/G.

RADIUM-226

NUMBER OF RADIUM-226 SAMPLES IN DATABASE FOR THIS CU IS: 1

PARAMETER	LOCATION	CONC	DL	UNITS
RADIUM-226	SC-12124-S	1.93	0.39	PCI/G

Average of RADIUM-226 values is 1.93 PCI/G, which is below ALARA, 5.00 PCI/G.
Maximum single value is 1.93 PCI/G, which is below criteria, 6.20 PCI/G.

RADIUM-228

NUMBER OF RADIUM-228 SAMPLES IN DATABASE FOR THIS CU IS: 1

PARAMETER	LOCATION	CONC	DL	UNITS
RADIUM-228	SC-12124-S	1.28	0.59	PCI/G

Average of RADIUM-228 values is 1.28 PCI/G, which is below ALARA, 5.00 PCI/G.
Maximum single value is 1.28 PCI/G, which is below criteria, 6.20 PCI/G.

ARSENIC

NUMBER OF ARSENIC SAMPLES IN DATABASE FOR THIS CU IS: 1

PARAMETER	LOCATION	CONC	DL	UNITS
ARSENIC	SC-12124-S	2.9	0.43	UG/G

Average of ARSENIC values is 2.9 UG/G, which is below ALARA.
Maximum single value is 2.9 UG/G, which is below criteria.

CHROMIUM

NUMBER OF CHROMIUM SAMPLES IN DATABASE FOR THIS CU IS: 1

PARAMETER	LOCATION	CONC	DL	UNITS
CHROMIUM	SC-12124-S	10.9	0.36	UG/G

Average of CHROMIUM values is 10.9 UG/G, which is below ALARA.
Maximum single value is 10.9 UG/G, which is below criteria.

CU112 DATA REPORT (CONTINUED)

LEAD

NUMBER OF LEAD SAMPLES IN DATABASE FOR THIS CU IS: 1

PARAMETER	LOCATION	CONC	DL	UNITS
LEAD	SC-12124-S	6.8	0.19	UG/G

Average of LEAD values is 6.8 UG/G, which is below ALARA.
Maximum single value is 6.8 UG/G, which is below criteria.

PCB

NUMBER OF PCB SAMPLES IN DATABASE FOR THIS CU IS: 1

PARAMETER	LOCATION	CONC	DL	UNITS
PCB	SC-12124-S	0	40	UG/KG

Average of PCB values is 0 UG/KG, which is below ALARA.
Maximum single value is 0 UG/KG, which is below criteria.

Weldon Spring Site Remedial Action Project
7295 Highway 94 South, St. Charles, Missouri, 63304

ES&H 1.2.1.1, Rev. 2, 11/96

SOIL CONFIRMATION REMEDIATION DISPOSITION FORM

SECTION I

1. Work Package Number: WP420 2. Date: 01/29/97 3. Review Form #: 97-006

4. Remediation Unit Number: RU009 5. Confirmation Unit Number: CU113 (map attached)

6. Contaminants of Concern: X U-238 ___ Th-230 ___ Th-232 ___ Ra-226 ___ Ra-228
___ TNT ___ PCB ___ PAH ___ As ___ Cr ___ Pb ___ Tl

7. Results average below ALARA goal(s)?	X Yes ___ No
8. All results below cleanup criteria?	X Yes ___ No
9. Any results greater than 3X criteria?	___ Yes X No
10. Hot spots present (less than 3X criteria)?	___ Yes X No

Parameter	Size	Concentration	Complies with Plan?
N/A			___ Yes ___ No
			___ Yes ___ No
			___ Yes ___ No

11. Comments No Utilities

12. Reviewer Disposition Recommendation:
X Release for Unrestricted Use (Section II)
___ Additional Excavation Required (Section IV)
___ ALARA Committee Required (Section III)

13. Reviewer: [signature] Date 1/29/97

SECTION II *CU is released for unrestricted use.*

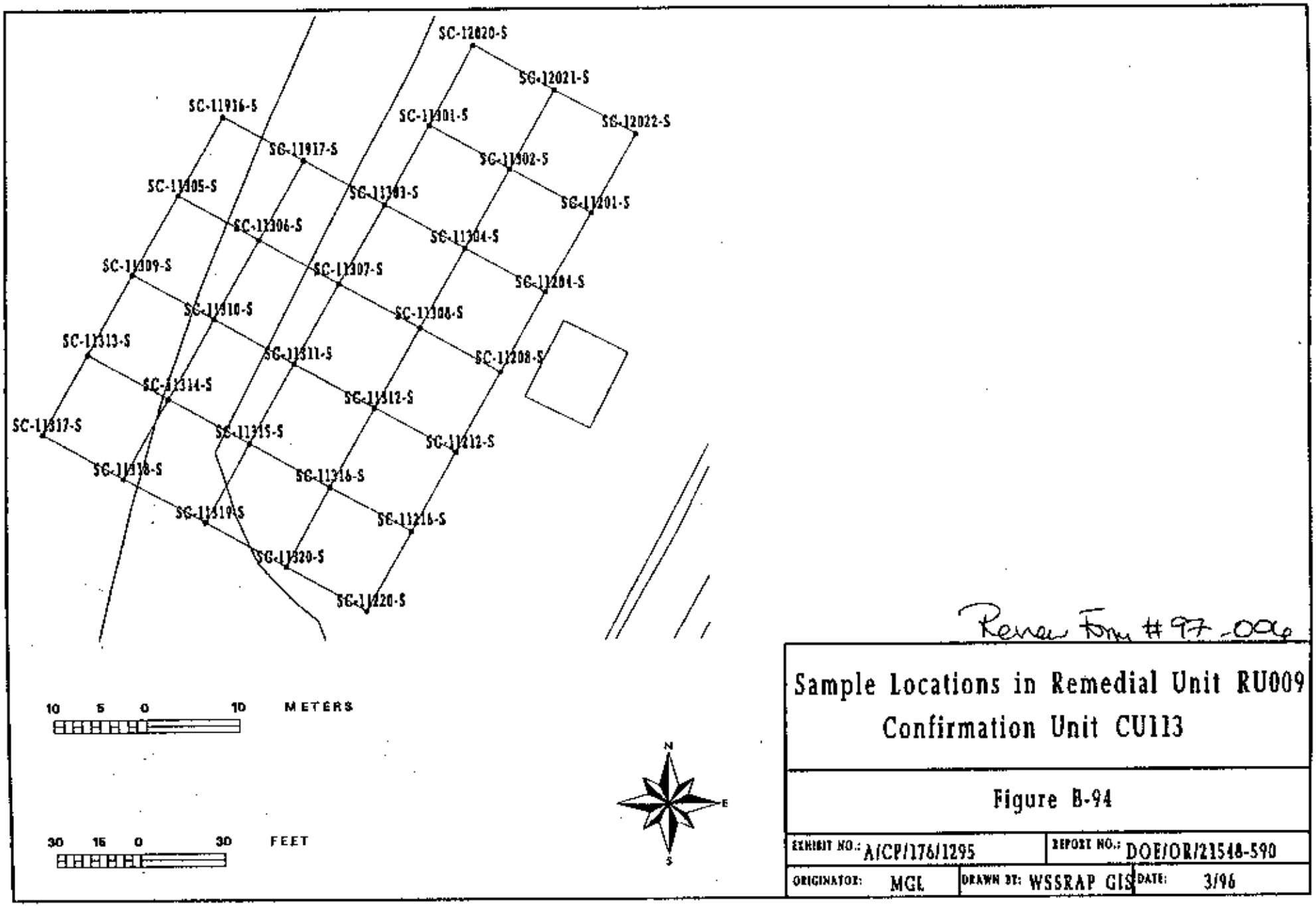
14. ES&H Manager: [signature] Date: 1/30/97

15. DOE Project Manager/Engineer: Thomas C. Dauling Date: 1/29/97

16. Project Manager: [signature] Date: 1/30/97

17. Construction Engineer: Darrell L Cappe Date: 1-30-97

SEE ATTACHED RESULTS AND MAP



Renew Form #97-006

Sample Locations in Remedial Unit RU009
Confirmation Unit CU113

Figure B-94

EXHIBIT NO.: A/CP/176/1295		REPORT NO.: DOE/OR/21548-590	
ORIGINATOR: MGL	DRAWN BY: WSSRAP GIS	DATE: 3/96	

CU113 DATA REPORT

URANIUM-238

NUMBER OF URANIUM-238 SAMPLES IN DATABASE FOR THIS CU IS: 31

PARAMETER	LOCATION	CONC	DL	UNITS
URANIUM-238	SC-12020-S	2.15	4.29	PCI/G
URANIUM-238	SC-12021-S	2.00	2.63	PCI/G
URANIUM-238	SC-11301-S	2.04	4.07	PCI/G
URANIUM-238	SC-12022-S	2.08	4.17	PCI/G
URANIUM-238	SC-11916-S	6.69	3.05	PCI/G
URANIUM-238	SC-11917-S	1.52	3.04	PCI/G
URANIUM-238	SC-11302-S	1.57	3.14	PCI/G
URANIUM-238	SC-11305-S	1.47	2.94	PCI/G
URANIUM-238	SC-11303-S	2.14	1.98	PCI/G
URANIUM-238	SC-11201-S	1.88	3.76	PCI/G
URANIUM-238	SC-11306-S	1.99	3.98	PCI/G
URANIUM-238	SC-11304-S	1.56	3.13	PCI/G
URANIUM-238	SC-11309-S	2.45	4.90	PCI/G
URANIUM-238	SC-11307-S	2.06	4.12	PCI/G
URANIUM-238	SC-11204-S	1.59	3.17	PCI/G
URANIUM-238	SC-11310-S	1.49	2.97	PCI/G
URANIUM-238	SC-11308-S	3.40	2.47	PCI/G
URANIUM-238	SC-11313-S	1.65	3.29	PCI/G
URANIUM-238	SC-11311-S	2.12	4.23	PCI/G
URANIUM-238	SC-11208-S	2.09	4.18	PCI/G
URANIUM-238	SC-11314-S	2.27	4.55	PCI/G
URANIUM-238	SC-11312-S	4.08	2.16	PCI/G
URANIUM-238	SC-11317-S	2.04	4.08	PCI/G
URANIUM-238	SC-11315-S	3.36	2.42	PCI/G
URANIUM-238	SC-11212-S	5.69	2.58	PCI/G
URANIUM-238	SC-11318-S	1.64	3.27	PCI/G
URANIUM-238	SC-11316-S	2.04	4.07	PCI/G
URANIUM-238	SC-11319-S	3.20	2.61	PCI/G
URANIUM-238	SC-11216-S	4.14	3.04	PCI/G
URANIUM-238	SC-11320-S	2.08	3.48	PCI/G
URANIUM-238	SC-11220-S	2.02	4.04	PCI/G

Average of URANIUM-238 values is 2.47 PCI/G, which is below ALARA, 30.00 PCI/G.
Maximum single value is 6.69 PCI/G, which is below criteria, 120.00 PCI/G.

Weldon Spring Site Remedial Action Project
7295 Highway 94 South, St. Charles, Missouri, 63304

ES&H 1.2.1.1, Rev. 2, 11/96

SOIL CONFIRMATION REMEDIATION DISPOSITION FORM

SECTION I

1. Work Package Number: WP420 2. Date: 02.10.97 3. Review Form #: 97-007

4. Remediation Unit Number: RU009 5. Confirmation Unit Number: CU114 (map attached)

6. Contaminants of Concern: X U-238 ___ Th-230 ___ Th-232 ___ Ra-226 ___ Ra-228
___ TNT ___ PCB ___ PAH ___ As ___ Cr ___ Pb ___ Tl

7. Results average below ALARA goal(s)?	X Yes	___ No
8. All results below cleanup criteria?	X Yes	___ No
9. Any results greater than 3X criteria?	___ Yes	X No
10. Hot spots present (less than 3X criteria)?	___ Yes	X No

Parameter	Size	Concentration	Complies with Plan?
N/A			___ Yes ___ No
			___ Yes ___ No
			___ Yes ___ No

11. Comments none

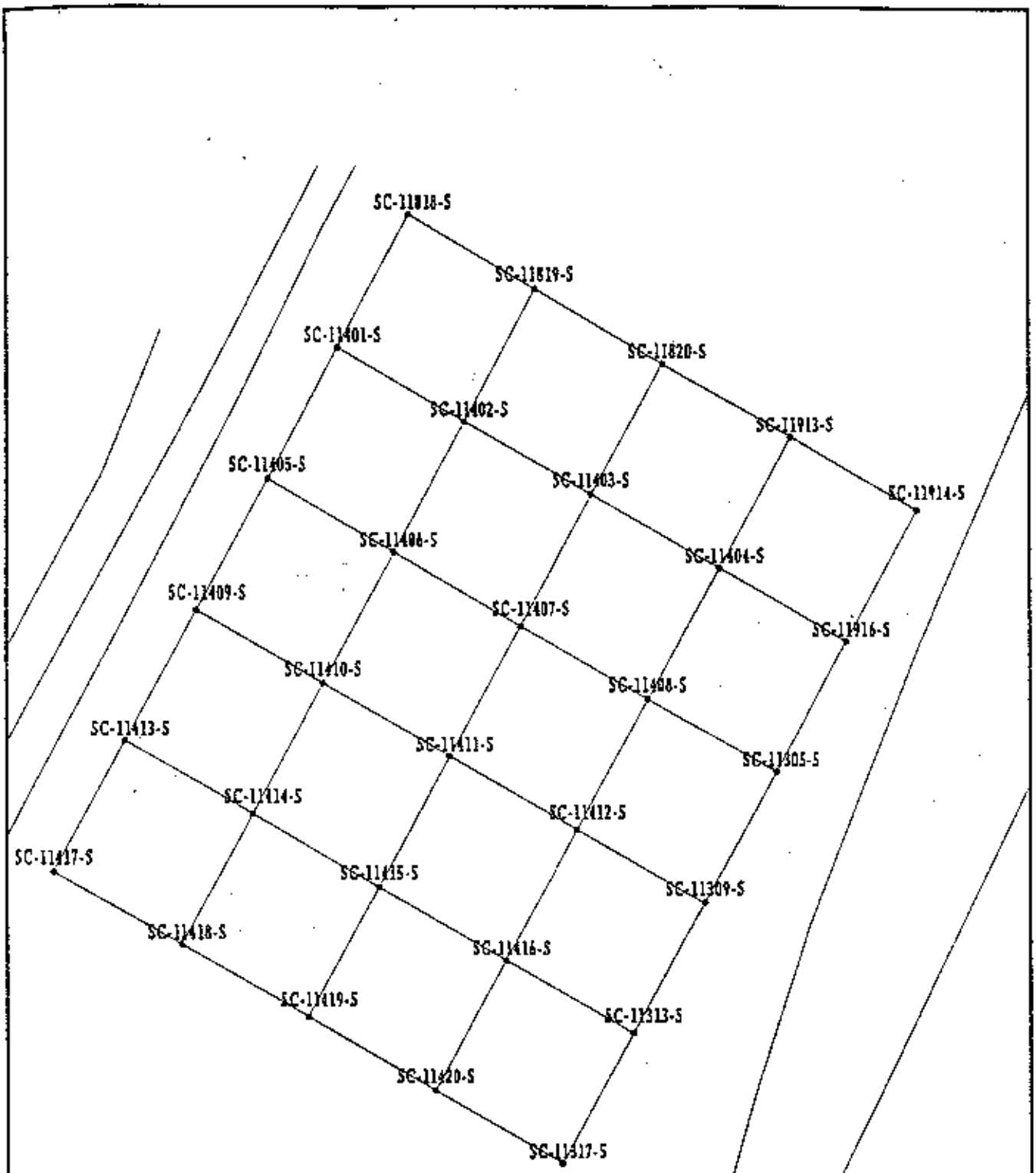
12. Reviewer Disposition Recommendation:
X Release for Unrestricted Use (Section II)
___ Additional Excavation Required (Section IV)
___ ALARA Committee Required (Section III)

13. Reviewer: Melissa H Lutz Date 02.10.97

SECTION II *CU is released for unrestricted use.*

14. ES&H Manager: James A Fuller for KAM Date: 2/10/97
15. DOE Project Manager/Engineer: Thomas C Darby Date: 2/10/97
16. Project Manager: [illegible] Date: 2/10/97
17. Construction Engineer: Michael J Kerr Date: 2/10/97

SEE ATTACHED RESULTS AND MAP



Review Form #97-007

10 5 0 METERS

30 15 0 FEET

Sample Locations in Remedial Unit RU009 Confirmation Unit CU114

Figure B-95

EXHIBIT NO.: A/CP/177/1295		REPORT NO.: DOE/OR/21548-590	
DESIGNATOR: MGL	DRAWN BY: WSSRAP GIS	DATE: 3/96	

CU114 DATA REPORT

URANIUM-238

NUMBER OF URANIUM-238 SAMPLES IN DATABASE FOR THIS CU IS: 30

PARAMETER	LOCATION	CONC	DL	UNITS
URANIUM-238	SC-11818-S	1.55	3.10	PCI/G
URANIUM-238	SC-11819-S	2.27	4.53	PCI/G
URANIUM-238	SC-11401-S	2.09	4.18	PCI/G
URANIUM-238	SC-11820-S	1.56	3.12	PCI/G
URANIUM-238	SC-11402-S	1.60	3.19	PCI/G
URANIUM-238	SC-11913-S	2.08	4.15	PCI/G
URANIUM-238	SC-11405-S	1.96	3.91	PCI/G
URANIUM-238	SC-11403-S	2.00	4.00	PCI/G
URANIUM-238	SC-11914-S	2.02	4.05	PCI/G
URANIUM-238	SC-11406-S	3.75	2.57	PCI/G
URANIUM-238	SC-11404-S	3.30	1.97	PCI/G
URANIUM-238	SC-11409-S	1.87	3.73	PCI/G
URANIUM-238	SC-11407-S	1.77	3.54	PCI/G
URANIUM-238	SC-11916-S	6.69	3.05	PCI/G
URANIUM-238	SC-11410-S	1.58	3.16	PCI/G
URANIUM-238	SC-11408-S	1.51	2.44	PCI/G
URANIUM-238	SC-11413-S	2.23	4.45	PCI/G
URANIUM-238	SC-11411-S	1.55	3.11	PCI/G
URANIUM-238	SC-11305-S	1.47	2.94	PCI/G
URANIUM-238	SC-11414-S	2.15	2.03	PCI/G
URANIUM-238	SC-11412-S	1.49	2.98	PCI/G
URANIUM-238	SC-11417-S	2.15	4.31	PCI/G
URANIUM-238	SC-11415-S	1.83	3.65	PCI/G
URANIUM-238	SC-11309-S	2.45	4.90	PCI/G
URANIUM-238	SC-11418-S	4.36	2.20	PCI/G
URANIUM-238	SC-11416-S	1.61	3.21	PCI/G
URANIUM-238	SC-11419-S	2.11	4.22	PCI/G
URANIUM-238	SC-11313-S	1.65	3.29	PCI/G
URANIUM-238	SC-11420-S	1.59	3.18	PCI/G
URANIUM-238	SC-11317-S	2.04	4.08	PCI/G

Average of URANIUM-238 values is 2.21 PCI/G, which is below ALARA, 30.00 PCI/G.
Maximum single value is 6.69 PCI/G, which is below criteria, 120.00 PCI/G.

Weldon Spring Site Remedial Action Project
7295 Highway 94 South, St. Charles, Missouri, 63304

ES&H 1.2.1.1, Rev. 2, 11/96

SOIL CONFIRMATION REMEDIATION DISPOSITION FORM

SECTION I

1. Work Package Number: WP420 2. Date: 02-24-97 3. Review Form #: 97-014

4. Remediation Unit Number: RU009 5. Confirmation Unit Number: CU115 (map attached)

6. Contaminants of Concern: X U-238 ___ Th-230 ___ Th-232 X Ra-226 X Ra-228
___ TNT ___ PCB ___ PAH ___ As ___ Cr ___ Pb ___ Tl

7. Results average below ALARA goal(s)?	X Yes	___ No
8. All results below cleanup criteria?	___ Yes	X No
9. Any results greater than 3X criteria?	___ Yes	X No
10. Hot spots present (less than 3X criteria)?	X Yes	___ No

Parameter	Size	Concentration	Complies with Plan?
Radium 226/228	<25m²	~~7.64~~ 8.97 pCi/g (2/24/97 MM)	X Yes ___ No
			___ Yes ___ No
			___ Yes ___ No

11. Comments: ① New boundaries. ② SC-11633-S (above hotspot area) - While only U238 was requested, the radium hotspot was identified from the gamma spec report (Data attached).

12. Reviewer Disposition Recommendation:
X Release for Unrestricted Use (Section II)
___ Additional Excavation Required (Section IV)
___ ALARA Committee Required (Section III)

13. Reviewer: Melissa A Lietz Date 02/28/97

SECTION II *CU is released for unrestricted use.*

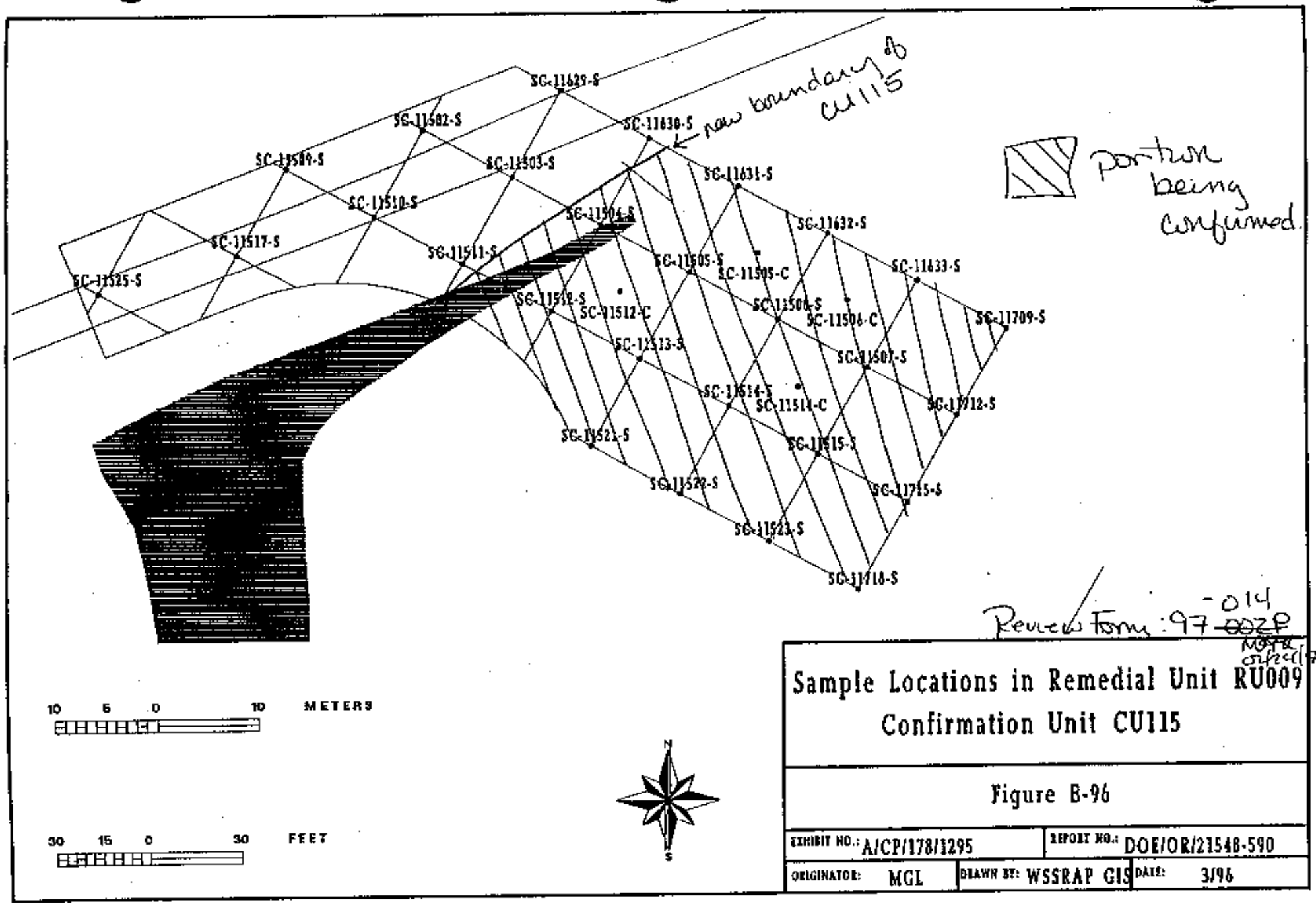
14. ES&H Manager: [signature] Date: 2/28/97

15. DOE Project Manager/Engineer: [signature] Date: 2/28/97

16. Project Manager: [signature] Date: 2/28/97

17. Construction Engineer: [signature] Date: 2/28/97

SEE ATTACHED RESULTS AND MAP



Review Form: 97-014 ~~002P~~

Sample Locations in Remedial Unit RU009
Confirmation Unit CU115

Figure B-96

EXHIBIT NO.: A/CP/178/1295		REPORT NO.: DOE/OR/21548-590	
ORIGINATOR: MGL	DRAWN BY: WSSRAP GIS	DATE: 3/96	

CU115 DATA REPORT

URANIUM-238

NUMBER OF URANIUM-238 SAMPLES IN DATABASE FOR THIS CU IS: 23

PARAMETER	LOCATION	CONC	DL	UNITS
URANIUM-238	SC-11630-S	7.42	3.97	PCI/G
URANIUM-238	SC-11631-S	1.52	3.04	PCI/G
URANIUM-238	SC-11504-S	1.69	3.37	PCI/G
URANIUM-238	SC-11632-S	1.97	3.94	PCI/G
URANIUM-238	SC-11511-S	5.63	2.43	PCI/G
URANIUM-238	SC-11505-S	1.43	2.86	PCI/G
URANIUM-238	SC-11633-S	6.62	4.40	PCI/G
URANIUM-238	SC-11512-S	2.06	1.90	PCI/G
URANIUM-238	SC-11506-S	1.50	3.01	PCI/G
URANIUM-238	SC-11709-S	2.63	3.87	PCI/G
URANIUM-238	SC-11513-S	1.59	3.17	PCI/G
URANIUM-238	SC-11507-S	1.93	2.61	PCI/G
URANIUM-238	SC-11514-S	1.35	2.69	PCI/G
URANIUM-238	SC-11712-S	1.99	3.97	PCI/G
URANIUM-238	SC-11521-S	1.59	3.17	PCI/G
URANIUM-238	SC-11515-S	1.88	2.70	PCI/G
URANIUM-238	SC-11522-S	2.04	4.08	PCI/G
URANIUM-238	SC-11715-S	2.21	4.41	PCI/G
URANIUM-238	SC-11523-S	1.55	3.10	PCI/G
URANIUM-238	SC-11718-S	1.91	3.82	PCI/G
URANIUM-238	SC-11505-C	1.89	3.77	PCI/G
URANIUM-238	SC-11512-C	1.92	3.83	PCI/G
URANIUM-238	SC-11506-C	2.00	4.00	PCI/G

Average of URANIUM-238 values is 2.45 pCi/g, which is below ALARA, 30.00 pCi/g.
Maximum single value is 7.42 pCi/g, which is below criteria, 120.00 pCi/g.

RADIUM-226

NUMBER OF RADIUM-226 SAMPLES IN DATABASE FOR THIS CU IS: 12

PARAMETER	LOCATION	CONC	DL	UNITS
RADIUM-226	SC-11504-S	0.68	0.60	PCI/G
RADIUM-226	SC-11505-S	2.13	0.28	PCI/G
RADIUM-226	SC-11512-S	1.34	0.26	PCI/G
RADIUM-226	SC-11506-S	1.68	0.26	PCI/G
RADIUM-226	SC-11513-S	1.82	0.27	PCI/G
RADIUM-226	SC-11507-S	2.27	0.30	PCI/G
RADIUM-226	SC-11514-S	1.45	0.28	PCI/G
RADIUM-226	SC-11515-S	1.75	0.35	PCI/G
RADIUM-226	SC-11505-C	1.63	0.32	PCI/G
RADIUM-226	SC-11512-C	1.73	0.32	PCI/G
RADIUM-226	SC-11506-C	1.41	0.39	PCI/G
RADIUM-226	SC-11514-C	2.04	0.33	PCI/G

Average of RADIUM-226 values is 1.66 pCi/g, which is below ALARA, 5.00 pCi/g.
Maximum single value is 2.27 pCi/g, which is below criteria, 6.20 pCi/g.

CU115 DATA REPORT

RADIUM-228

NUMBER OF RADIUM-228 SAMPLES IN DATABASE FOR THIS CU IS: 12

PARAMETER	LOCATION	CONC	DL	UNITS
RADIUM-228	SC-11504-S	1.38	0.45	PCI/G
RADIUM-228	SC-11505-S	1.25	0.41	PCI/G
RADIUM-228	SC-11512-S	1.24	0.46	PCI/G
RADIUM-228	SC-11506-S	1.52	0.34	PCI/G
RADIUM-228	SC-11513-S	1.40	0.44	PCI/G
RADIUM-228	SC-11507-S	1.40	0.41	PCI/G
RADIUM-228	SC-11514-S	1.26	0.40	PCI/G
RADIUM-228	SC-11515-S	1.19	0.39	PCI/G
RADIUM-228	SC-11505-C	1.60	0.26	PCI/G
RADIUM-228	SC-11512-C	0.58	1.15	PCI/G
RADIUM-228	SC-11506-C	1.25	0.61	PCI/G
RADIUM-228	SC-11514-C	1.43	0.66	PCI/G

Average of RADIUM-228 values is 1.29 pCi/g, which is below ALARA, 5.00 pCi/g.
Maximum single value is 1.60 pCi/g, which is below criteria, 6.20 pCi/g.

****
***** I N T E R F E R E N C E C O R R E C T E D R E P O R T *****
****

Sample Title: SC-11633-S
Sample LAB_ID: WSC5386

	Nuclide Name	Nuclide Id Confidence	Wt mean Activity (pCi/Gram)	Wt mean Activity Uncertainty
	K-40	0.988	1.544483E+01	1.464131E+00
	BI-212	0.994	9.406816E+00	1.359489E+00
	PB-212	0.999	6.875654E+00	4.363785E-01
	RA-224	1.000	8.904221E+00	1.064570E+00
	RA-226	0.732	1.049923E+00	1.117249E-01 ← include correction factor
?	RA-226a	1.000	6.300710E+00	1.671970E+00 2.27 × 1.05 = 2.38 pCi/g
	AC-228	0.659	5.707861E+00	5.715543E-01
	RA-228	0.993	6.590008E+00	2.947630E-01
?	U-235	0.522	3.835215E-01	1.018890E-01 Ra226 + Ra228 = Total
	U-238	0.929	6.618498E+00	1.233223E+00 2.38 + 6.59 = 8.97 pCi/g

exceeds Criteria.

? = nuclide is part of an undetermined solution
X = nuclide rejected by the interference analysis
@ = nuclide contains energy lines not used in Weighted Mean Activity

Errors quoted at 2.000 sigma

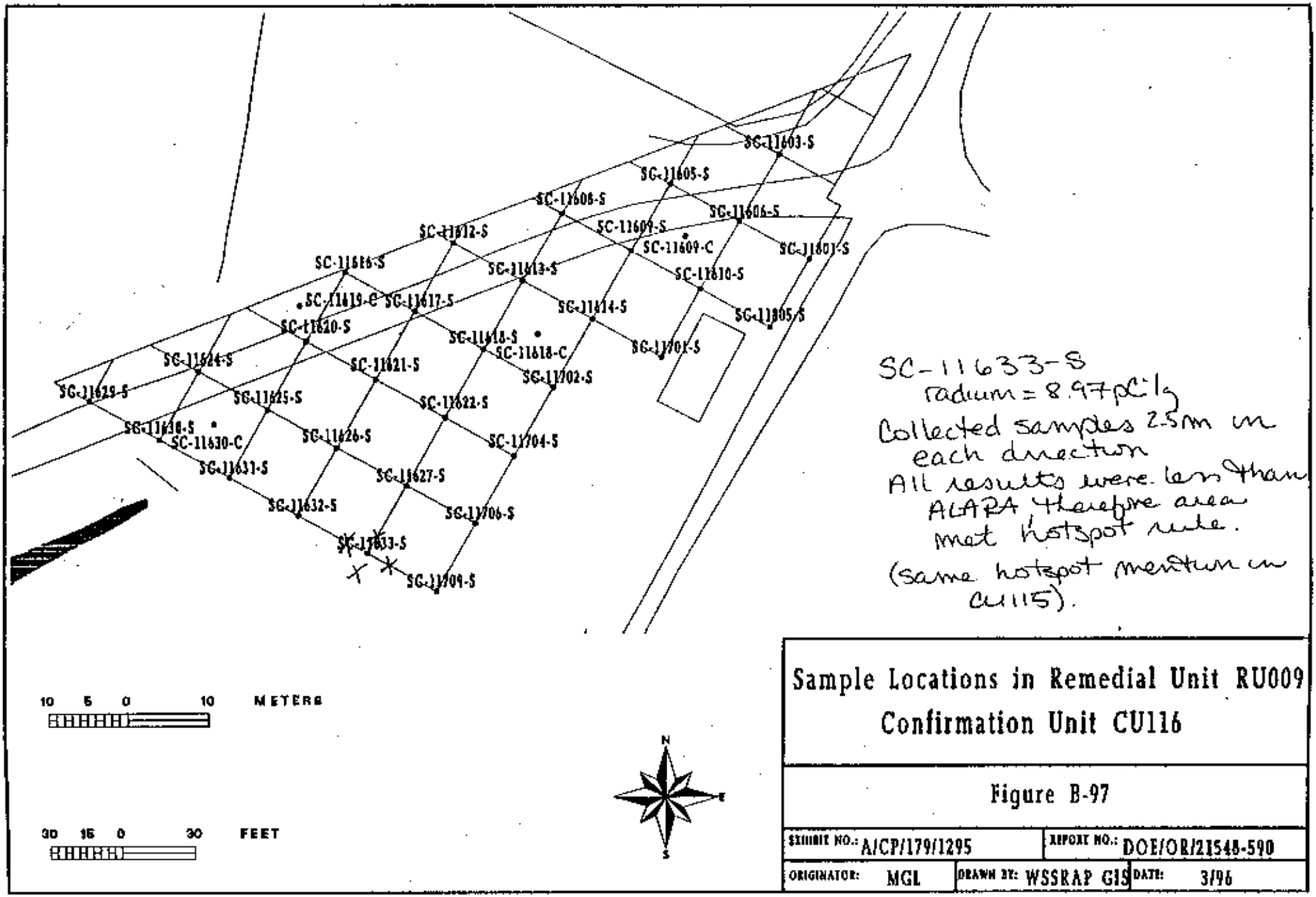
********** U N I D E N T I F I E D P E A K S **********

Peak Locate Performed on: 2/13/97 9:30:10 AM
Peak Locate From Channel: 1
Peak Locate To Channel: 8192

	Peak No.	Energy (keV)	Peak Size in Counts per Second	Peak CPS % Uncertainty
M	2	74.92	3.6399E-01	17.25
m	3	77.20	6.6534E-01	13.55
	4	87.17	1.1054E-01	52.81
	6	128.73	9.0297E-02	57.32
	18	510.52	1.3859E-01	26.72
	22	772.24	1.9110E-02	81.32

M = First peak in a multiplet region
m = Other peak in a multiplet region
F = Fitted singlet

Errors quoted at 2.000 sigma



SC-11633-S
radium = 8.97 pCi/g
Collected samples 2.5m in each direction
All results were less than ALARA therefore area met hotspot rule.
(same hotspot mention in CU115).

Sample Locations in Remedial Unit RU009
Confirmation Unit CU116

Figure B-97

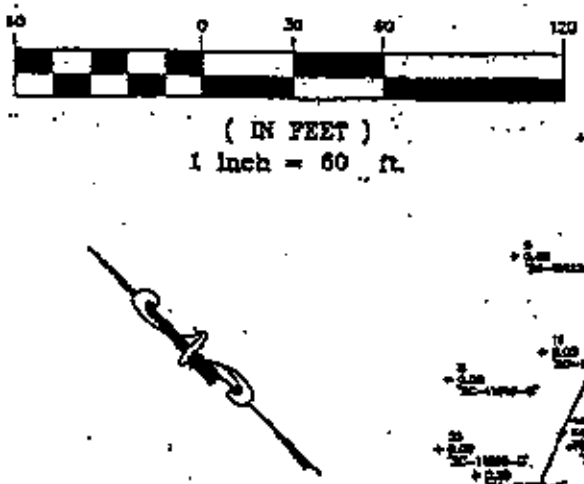
EXHIBIT NO.: A/CP/179/1295	REPORT NO.: DOE/OR/21548-590	
ORIGINATOR: MGL	DRAWN BY: WSSRAP GIS	DATE: 3/96

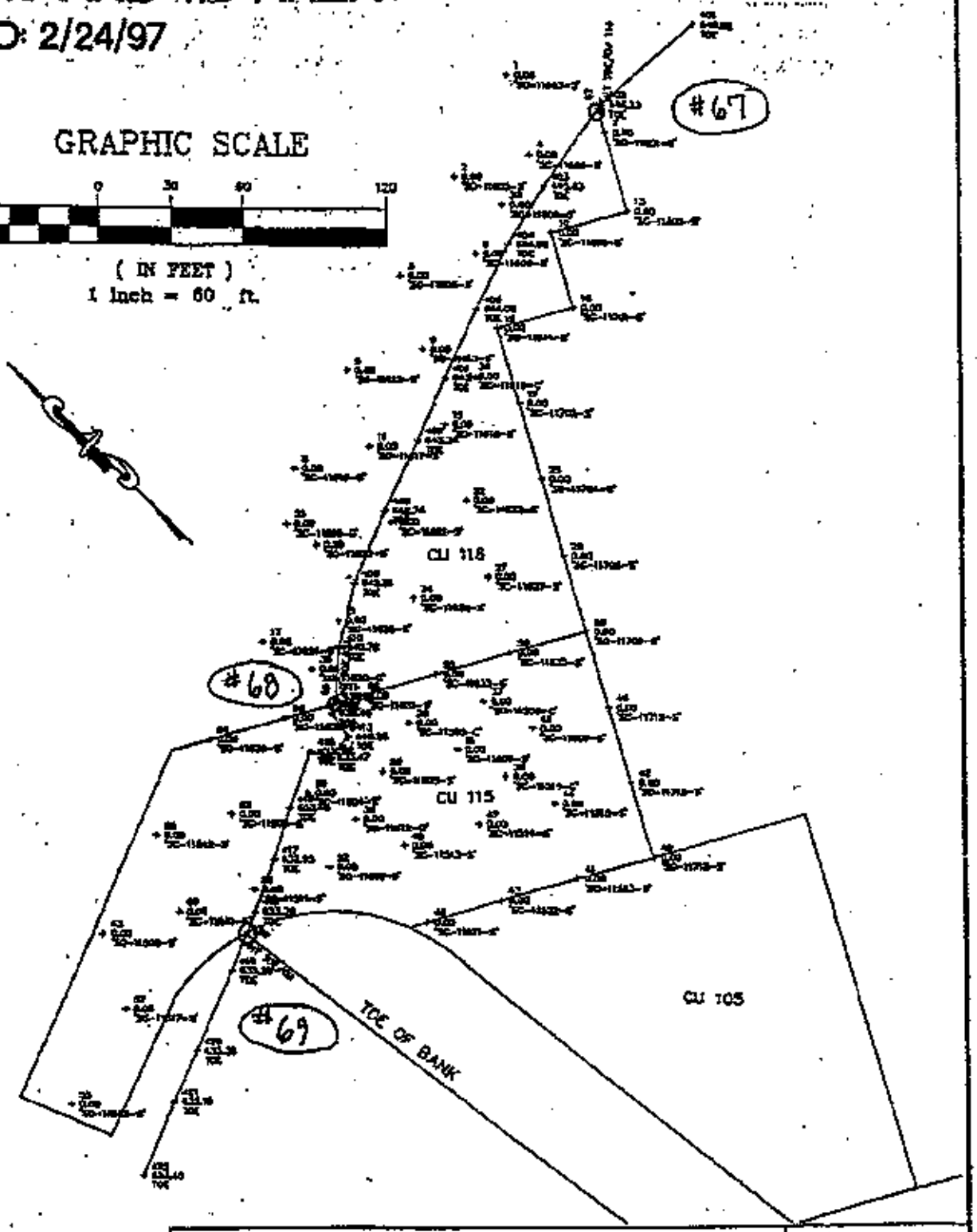
Request: WP272 Purchase Order: 3589 Date: 02/20/97

SSRAP ID	Lab ID	Date Sampled	Date Analyzed	Method	Matrix	Parameter	Conc.	Error	Est. Final Conc.	Units	DL	Comments
2-11633-S-H501	WSC5508	02/19/97	02/20/97	HASL300	SOIL	RADIUM-226	0.92	0.11	2.09	PCI/G	0.37	
2-11633-S-H501	WSC5508	02/19/97	02/20/97	HASL300	SOIL	RADIUM-228	ND			PCI/G	1.23	
2-11633-S-H501	WSC5508	02/19/97	02/20/97	CALCULATED	SOIL	EST. THORIUM-232	0.00			PCI/G	1.23	CALCULATED FROM RADIUM-228 CONCENTRATION
2-11633-S-H502	WSC5509	02/19/97	02/20/97	HASL300	SOIL	RADIUM-226	1.11	0.09	2.52	PCI/G	0.36	
2-11633-S-H502	WSC5509	02/19/97	02/20/97	HASL300	SOIL	RADIUM-228	1.32	0.14		PCI/G	0.35	
2-11633-S-H502	WSC5509	02/19/97	02/20/97	CALCULATED	SOIL	EST. THORIUM-232	1.33	0.14		PCI/G	0.35	CALCULATED FROM RADIUM-228 CONCENTRATION
2-11633-S-H503	WSC5510	02/19/97	02/20/97	HASL300	SOIL	RADIUM-226	0.91	0.12	2.07	PCI/G	0.49	
2-11633-S-H503	WSC5510	02/19/97	02/20/97	HASL300	SOIL	RADIUM-228	ND			PCI/G	1.28	
2-11633-S-H503	WSC5510	02/19/97	02/20/97	CALCULATED	SOIL	EST. THORIUM-232	0.00			PCI/G	1.28	CALCULATED FROM RADIUM-228 CONCENTRATION
2-11633-S-H504	WSC5511	02/19/97	02/20/97	HASL300	SOIL	RADIUM-226	0.92	0.08	2.09	PCI/G	0.25	
2-11633-S-H504	WSC5511	02/19/97	02/20/97	HASL300	SOIL	RADIUM-228	1.17	0.13		PCI/G	0.41	
2-11633-S-H504	WSC5511	02/19/97	02/20/97	CALCULATED	SOIL	EST. THORIUM-232	1.20	0.13		PCI/G	0.41	CALCULATED FROM RADIUM-228 CONCENTRATION

CU 115 AND 116 AREA

DATED: 2/24/97





REVISED	SHEET 1 OF 1
S C E S — ST. CHARLES ENGINEERING & SURVEYING 801 S. FIFTH STREET, SUITE 202 ST. CHARLES, MO 63301 TEL:(314) 947-0607 FAX:(314) 947-2448	ORDER NO. 95-011-A5 DATE 2/25/97

Weldon Spring Site Remedial Action Project
7295 Highway 94 South, St. Charles, Missouri, 63304

ES&H 1.2.1.1, Rev. 2, 11/96

SOIL CONFIRMATION REMEDIATION DISPOSITION FORM

SECTION I

1. Work Package Number: WP420 2. Date: 06.24.97 3. Review Form #: 97-031

4. Remediation Unit Number: RU009 5. Confirmation Unit Number: CU116 (map attached)

6. Contaminants of Concern: X U-238 ___ Th-230 ___ Th-232 ___ Ra-226 ___ Ra-228 ___ TNT X PCB ___ PAH ___ As ___ Cr ___ Pb ___ Tl

7. Results average below ALARA goal(s)?	X Yes ___ No
8. All results below cleanup criteria?	___ Yes X No
9. Any results greater than 3X criteria?	___ Yes X No
10. Hot spots present (less than 3X criteria)?	X Yes ___ No

Parameter	Size	Concentration	Complies with Plan?
Radium 226/228	<25m²	8.97 pCi/g	X Yes ___ No
			___ Yes ___ No
			___ Yes ___ No

11. Comments (1) This disposition form replaces 97-015, dated 02/28/97. (2) Note new variance to boundaries from previous release. (3) The above hot spot are (SC-11633-S) while only U238 was requested, the radium area was identified from the gamma spec report (data rept).

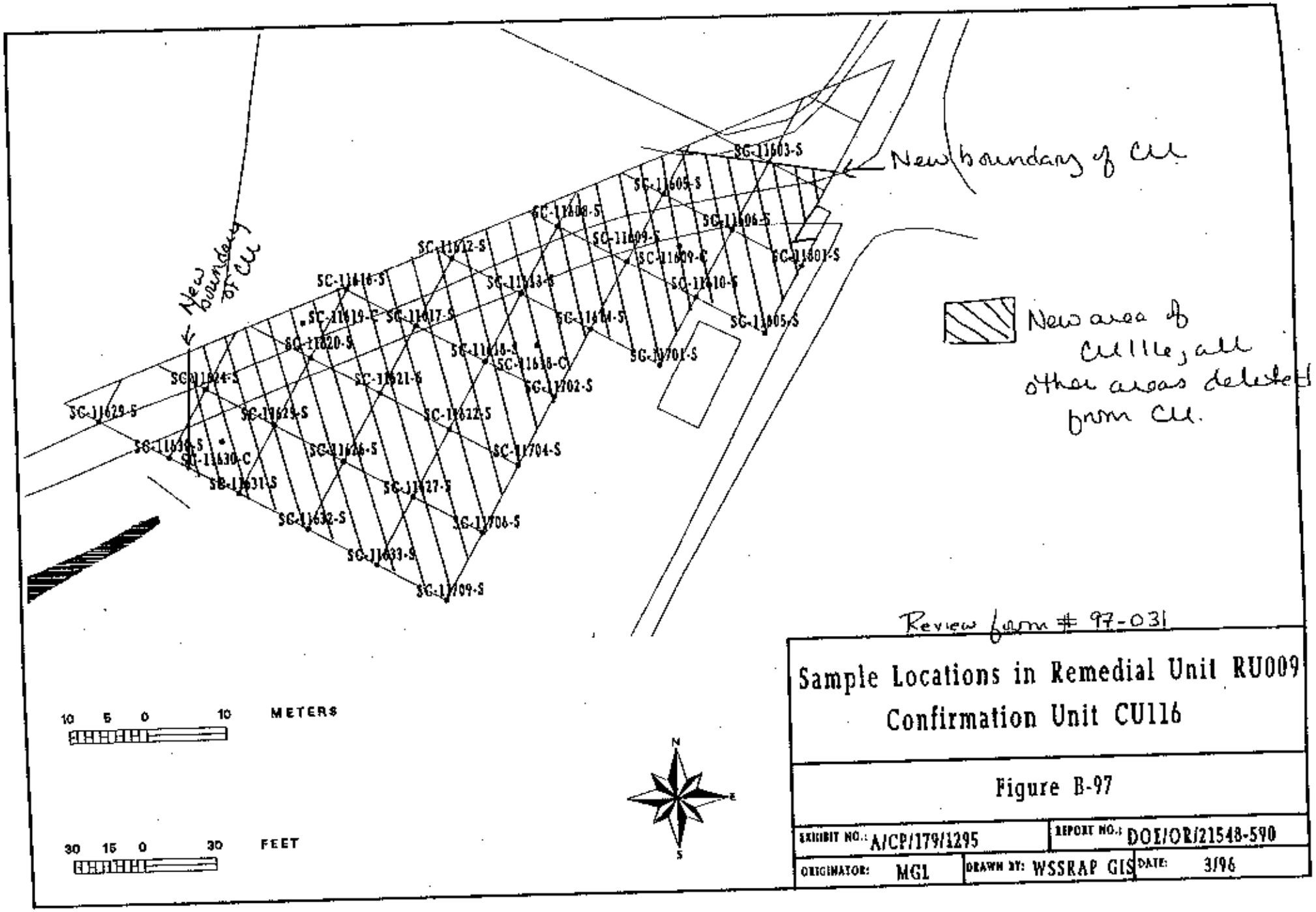
12. Reviewer Disposition Recommendation:
X Release for Unrestricted Use (Section II)
___ Additional Excavation Required (Section IV)
___ ALARA Committee Required (Section III)

13. Reviewer: [signature] Date 6/24/97

SECTION II *CU is released for unrestricted use.*

14. ES&H Manager: [signature] Date: 6/24/97
15. DOE Project Manager/Engineer: [signature] Date: 6/24/97
16. Project Manager: [signature] Date: 6/24/97
17. Construction Engineer: [signature] Date: 6-24-97

SEE ATTACHED RESULTS AND MAP



Review form # 97-031

Sample Locations in Remedial Unit RU009
Confirmation Unit CU116

Figure B-97

EXHIBIT NO.: A/CP/179/1295	REPORT NO.: DOE/OR/21548-590	
ORIGINATOR: MGL	DRAWN BY: WSSRAP GIS	DATE: 3/96

CU116 DATA REPORT

URANIUM-238

NUMBER OF URANIUM-238 SAMPLES IN DATABASE FOR THIS CU IS: 33

PARAMETER	LOCATION	CONC	DL	UNITS
URANIUM-238	SC-11801-S	2.04	4.07	PCI/G
URANIUM-238	SC-11610-S	2.00	4.01	PCI/G
URANIUM-238	SC-11614-S	1.98	2.95	PCI/G
URANIUM-238	SC-11805-S	1.62	3.23	PCI/G
URANIUM-238	SC-11618-S	1.53	3.06	PCI/G
URANIUM-238	SC-11701-S	1.54	3.09	PCI/G
URANIUM-238	SC-11621-S	2.13	4.27	PCI/G
URANIUM-238	SC-11702-S	2.50	4.99	PCI/G
URANIUM-238	SC-11625-S	5.18	2.73	PCI/G
URANIUM-238	SC-11622-S	1.58	3.16	PCI/G
URANIUM-238	SC-11630-S	7.42	3.97	PCI/G
URANIUM-238	SC-11626-S	1.60	3.20	PCI/G
URANIUM-238	SC-11704-S	4.16	2.39	PCI/G
URANIUM-238	SC-11631-S	1.52	3.04	PCI/G
URANIUM-238	SC-11627-S	1.93	3.86	PCI/G
URANIUM-238	SC-11632-S	1.97	3.94	PCI/G
URANIUM-238	SC-11706-S	3.03	2.40	PCI/G
URANIUM-238	SC-11633-S	6.62	4.40	PCI/G
URANIUM-238	SC-11709-S	2.63	3.87	PCI/G
URANIUM-238	SC-11618-C	2.19	3.80	PCI/G
URANIUM-238	SC-11630-C	6.83	3.67	PCI/G
URANIUM-238	SC-11603-S	3.83	1.75	PCI/G
URANIUM-238	SC-11605-S	1.27	2.53	PCI/G
URANIUM-238	SC-11606-S	2.02	4.04	PCI/G
URANIUM-238	SC-11608-S	1.31	2.62	PCI/G
URANIUM-238	SC-11609-C	1.34	2.68	PCI/G
URANIUM-238	SC-11609-S	1.38	2.75	PCI/G
URANIUM-238	SC-11613-S	1.89	3.77	PCI/G
URANIUM-238	SC-11612-S	1.88	3.75	PCI/G
URANIUM-238	SC-11616-S	1.67	3.34	PCI/G
URANIUM-238	SC-11617-S	1.35	2.69	PCI/G
URANIUM-238	SC-11619-C	1.36	2.71	PCI/G
URANIUM-238	SC-11620-S	2.74	2.50	PCI/G
URANIUM-238	SC-11624-S	1.25	2.49	PCI/G

Average of URANIUM-238 values is 2.51 pCi/g, which is below ALARA, 30.00 pCi/g.
Maximum single value is 7.42 pCi/g, which is below criteria, 120.00 pCi/g.

PCB

NUMBER OF PCB SAMPLES IN DATABASE FOR THIS CU IS: 5

PARAM	LOC	CONC	DL	UNITS
PCB	SC-11610-S	0	46	UG/KG
PCB	SC-11605-S	0	41	UG/KG
PCB	SC-11606-S	0	40	UG/KG
PCB	SC-11609-S	0	41	UG/KG
PCB	SC-11609-C	0	39	UG/KG

Average of PCB values is 0 ug/kg, which is below ALARA, 650 ug/kg.
Maximum single value is 0 ug/kg, which is below criteria, 8000 ug/kg.

****
***** I N T E R F E R E N C E C O R R E C T E D R E P O R T *****
****

Sample Title: SC-11633-S
Sample LAB_ID: WSC5386

	Nuclide Name	Nuclide Id Confidence	Wt mean Activity (pCi/Gram)	Wt mean Activity Uncertainty
	K-40	0.988	1.544483E+01	1.464131E+00
	BI-212	0.994	9.406816E+00	1.359489E+00
	PB-212	0.999	6.875654E+00	4.363785E-01
	RA-224	1.000	8.904221E+00	1.064570E+00
	RA-226	0.732	1.049923E+00	1.117249E-01 ← include correction factor
?	RA-226a	1.000	6.300710E+00	1.671970E+00 2.27 × 1.05 = 2.38 pCi/g
	AC-228	0.659	5.707861E+00	5.715543E-01
	RA-228	0.993	6.590008E+00	2.947630E-01
?	U-235	0.522	3.835215E-01	1.018890E-01 Ra226 + Ra228 = Total
	U-238	0.929	6.618498E+00	1.233223E+00 2.38 + 6.59 = 8.97 pCi/g

exceeds Criteria.

? = nuclide is part of an undetermined solution
X = nuclide rejected by the interference analysis
@ = nuclide contains energy lines not used in Weighted Mean Activity

Errors quoted at 2.000 sigma

********** U N I D E N T I F I E D P E A K S **********

Peak Locate Performed on: 2/13/97 9:30:10 AM
Peak Locate From Channel: 1
Peak Locate To Channel: 8192

	Peak No.	Energy (keV)	Peak Size in Counts per Second	Peak CPS % Uncertainty
M	2	74.92	3.6399E-01	17.25
m	3	77.20	6.6534E-01	13.55
	4	87.17	1.1054E-01	52.81
	6	128.73	9.0297E-02	57.32
	18	510.52	1.3859E-01	26.72
	22	772.24	1.9110E-02	81.32

M = First peak in a multiplet region
m = Other peak in a multiplet region
F = Fitted singlet

Errors quoted at 2.000 sigma

Hotspot determination results

Request: WP272 **Purchase Order: 3589** **Date: 02/20/97**

WSSRAP ID	Lab ID	Date Sampled	Date Analyzed	Method	Matrix	Parameter	Conc.	Error	Est. Final Conc.	Units	DL	Comments
SC-11633-S-H501	WSC5508	02/19/97	02/20/97	HASL300	SOIL	RADIUM-226	0.92	0.11	2.09	PCI/G	0.37	
SC-11633-S-H501	WSC5508	02/19/97	02/20/97	HASL300	SOIL	RADIUM-228	ND			PCI/G	1.23	
SC-11633-S-H501	WSC5508	02/19/97	02/20/97	CALCULATED	SOIL	EST. THORIUM-232	0.00			PCI/G	1.23	CALCULATED FROM RADIUM-228 CONCENTRATION
SC-11633-S-H502	WSC5509	02/19/97	02/20/97	HASL300	SOIL	RADIUM-226	1.11	0.09	2.52	PCI/G	0.26	
SC-11633-S-H502	WSC5509	02/19/97	02/20/97	HASL300	SOIL	RADIUM-228	1.32	0.14		PCI/G	0.35	
SC-11633-S-H502	WSC5509	02/19/97	02/20/97	CALCULATED	SOIL	EST. THORIUM-232	1.35	0.14		PCI/G	0.35	CALCULATED FROM RADIUM-228 CONCENTRATION
SC-11633-S-H503	WSC5510	02/19/97	02/20/97	HASL300	SOIL	RADIUM-226	0.91	0.12	2.07	PCI/G	0.49	
SC-11633-S-H503	WSC5510	02/19/97	02/20/97	HASL300	SOIL	RADIUM-228	ND			PCI/G	1.28	
SC-11633-S-H503	WSC5510	02/19/97	02/20/97	CALCULATED	SOIL	EST. THORIUM-232	0.00			PCI/G	1.28	CALCULATED FROM RADIUM-228 CONCENTRATION
SC-11633-S-H504	WSC5511	02/19/97	02/20/97	HASL300	SOIL	RADIUM-226	0.92	0.08	2.09	PCI/G	0.25	
SC-11633-S-H504	WSC5511	02/19/97	02/20/97	HASL300	SOIL	RADIUM-228	1.17	0.13		PCI/G	0.41	
SC-11633-S-H504	WSC5511	02/19/97	02/20/97	CALCULATED	SOIL	EST. THORIUM-232	1.20	0.13		PCI/G	0.41	CALCULATED FROM RADIUM-228 CONCENTRATION

Weldon Spring Site Remedial Action Project
7295 Highway 94 South, St. Charles, Missouri, 63304

SOIL CONFIRMATION REMEDIATION DISPOSITION FORM

SECTION I

1. Work Package Number: WP420 2. Date: 02·11·97 3. Review Form #: 97-009

4. Remediation Unit Number: RU009 5. Confirmation Unit Number: CU117 (map attached)

6. Contaminants of Concern: X U-238 ___ Th-230 ___ Th-232 ___ Ra-226 ___ Ra-228
___ TNT X PCB ___ PAH ___ As ___ Cr ___ Pb ___ Tl

7. Results average below ALARA goal(s)?	X Yes ___ No
8. All results below cleanup criteria?	X Yes ___ No
9. Any results greater than 3X criteria?	___ Yes X No
10. Hot spots present (less than 3X criteria)?	___ Yes X No

Parameter	Size	Concentration	Complies with Plan?
N/A			___ Yes ___ No
			___ Yes ___ No
			___ Yes ___ No

11. Comments none

12. Reviewer Disposition Recommendation:
X Release for Unrestricted Use (Section II)
___ Additional Excavation Required (Section IV)
___ ALARA Committee Required (Section III)

13. Reviewer: Melissa H Lady Date 02·11·97

SECTION II *CU is released for unrestricted use.*

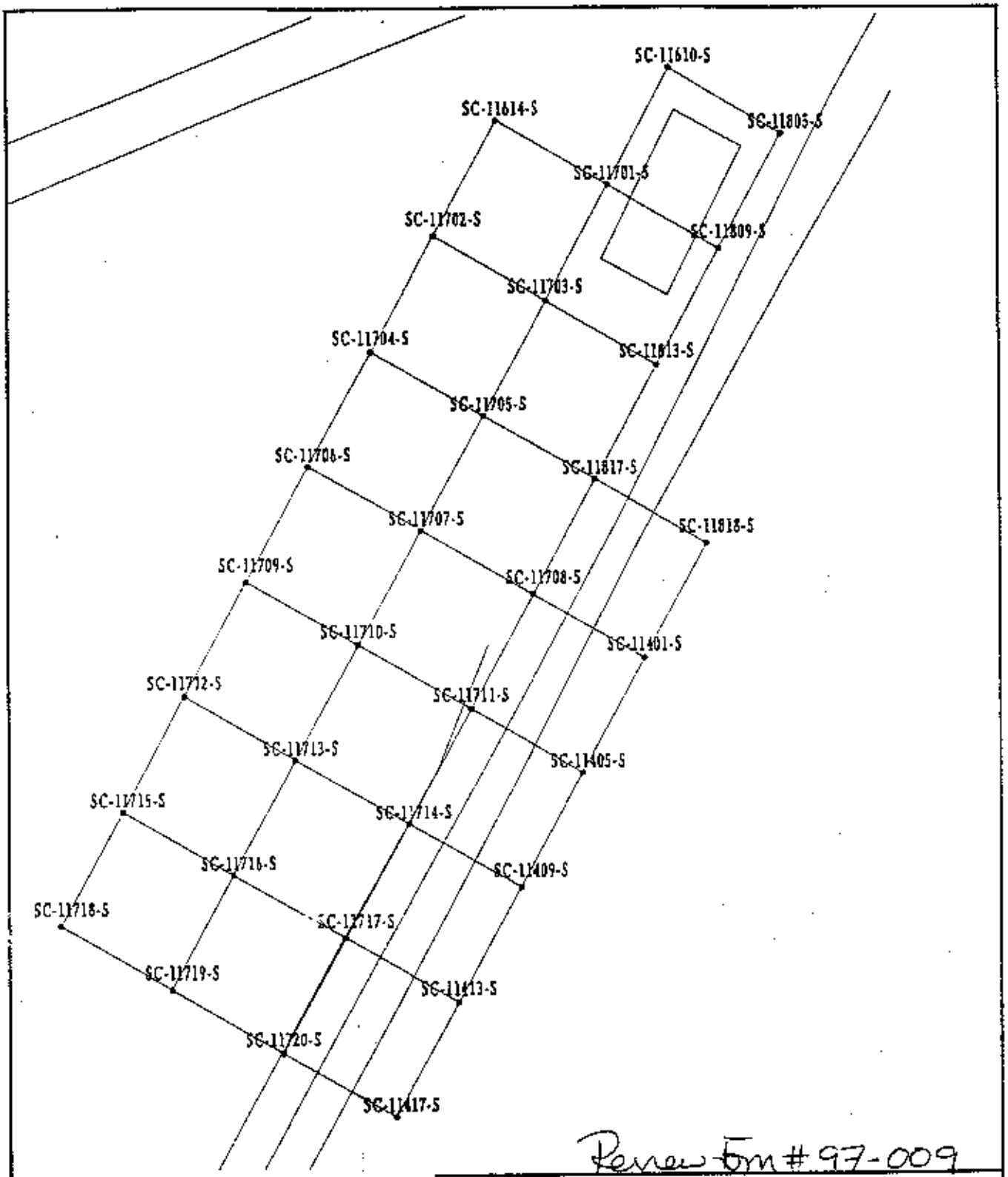
14. ES&H Manager: [signature] Date: 2/12/97

15. DOE Project Manager/Engineer: [signature] Date: 2/12/97

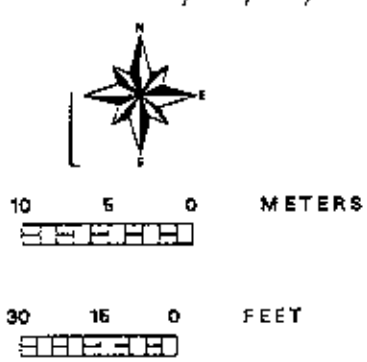
16. Project Manager: [signature] Date: 2/12/97

17. Construction Engineer: [signature] Date: 2-12-97

SEE ATTACHED RESULTS AND MAP



Review Em # 97-009



Sample Locations in Remedial Unit RU009
Confirmation Unit CU117

Figure B-98

EXHIBIT NO.: A/CP/180/1295		REPORT NO.: DOE/OR/21548-590	
ORIGINATOR: MGL	DRAWN BY: WSSRAP GIS	DATE: 3/96	

CU117 DATA REPORT

URANIUM-238

NUMBER OF URANIUM-238 SAMPLES IN DATABASE FOR THIS CU IS: 32

PARAMETER	LOCATION	CONC	DL	UNITS
URANIUM-238	SC-11610-S	2.00	4.01	PCI/G
URANIUM-238	SC-11805-S	1.62	3.23	PCI/G
URANIUM-238	SC-11701-S	1.54	3.09	PCI/G
URANIUM-238	SC-11614-S	1.98	2.95	PCI/G
URANIUM-238	SC-11702-S	2.50	4.99	PCI/G
URANIUM-238	SC-11809-S	1.96	3.91	PCI/G
URANIUM-238	SC-11703-S	2.02	4.03	PCI/G
URANIUM-238	SC-11704-S	4.16	2.39	PCI/G
URANIUM-238	SC-11813-S	1.71	3.41	PCI/G
URANIUM-238	SC-11705-S	4.13	3.04	PCI/G
URANIUM-238	SC-11706-S	3.03	2.40	PCI/G
URANIUM-238	SC-11817-S	2.17	4.34	PCI/G
URANIUM-238	SC-11707-S	2.08	4.15	PCI/G
URANIUM-238	SC-11818-S	1.55	3.10	PCI/G
URANIUM-238	SC-11709-S	2.63	3.87	PCI/G
URANIUM-238	SC-11708-S	1.54	3.08	PCI/G
URANIUM-238	SC-11710-S	3.27	3.63	PCI/G
URANIUM-238	SC-11401-S	2.09	4.18	PCI/G
URANIUM-238	SC-11712-S	1.99	3.97	PCI/G
URANIUM-238	SC-11711-S	1.65	3.29	PCI/G
URANIUM-238	SC-11713-S	2.31	2.57	PCI/G
URANIUM-238	SC-11405-S	1.96	3.91	PCI/G
URANIUM-238	SC-11715-S	2.21	4.41	PCI/G
URANIUM-238	SC-11714-S	2.23	4.46	PCI/G
URANIUM-238	SC-11716-S	1.66	3.32	PCI/G
URANIUM-238	SC-11409-S	1.87	3.73	PCI/G
URANIUM-238	SC-11718-S	1.91	3.82	PCI/G
URANIUM-238	SC-11717-S	2.02	4.03	PCI/G
URANIUM-238	SC-11719-S	1.97	3.94	PCI/G
URANIUM-238	SC-11413-S	2.23	4.45	PCI/G
URANIUM-238	SC-11720-S	2.09	4.18	PCI/G
URANIUM-238	SC-11417-S	2.15	4.31	PCI/G

Average of URANIUM-238 values is 2.19 PCI/G, which is below ALARA, 30.00 PCI/G.
Maximum single value is 4.16 PCI/G, which is below criteria, 120.00 PCI/G.

PCB - 1 sample

SC-11610-S
conc = 0
DL = 46

avg = 0
max value = 0

MHK
04.10.97

Weldon Spring Site Remedial Action Project
7295 Highway 94 South, St. Charles, Missouri, 63304

ES&H 1.2.1.1, Rev. 2, 11/96

SOIL CONFIRMATION REMEDIATION DISPOSITION FORM

SECTION I

1. Work Package Number: WP470 2. Date: 02-17-97 3. Review Form #: 97-011

4. Remediation Unit Number: RU009 5. Confirmation Unit Number: CU118 (map attached)

6. Contaminants of Concern: X U-238 ___ Th-230 ___ Th-232 ___ Ra-226 ___ Ra-228
___ TNT ___ PCB ___ PAH ___ As ___ Cr ___ Pb ___ Tl

7. Results average below ALARA goal(s)?	X Yes ___ No
8. All results below cleanup criteria?	X Yes ___ No
9. Any results greater than 3X criteria?	___ Yes X No
10. Hot spots present (less than 3X criteria)?	___ Yes X No

Parameter	Size	Concentration	Complies with Plan?
N/A			___ Yes ___ No
			___ Yes ___ No
			___ Yes ___ No

11. Comments —

12. Reviewer Disposition Recommendation:
X Release for Unrestricted Use (Section II)
___ Additional Excavation Required (Section IV)
___ ALARA Committee Required (Section III)

13. Reviewer: Melissa A Lietz Date 02-17-97

SECTION II *CU is released for unrestricted use.*

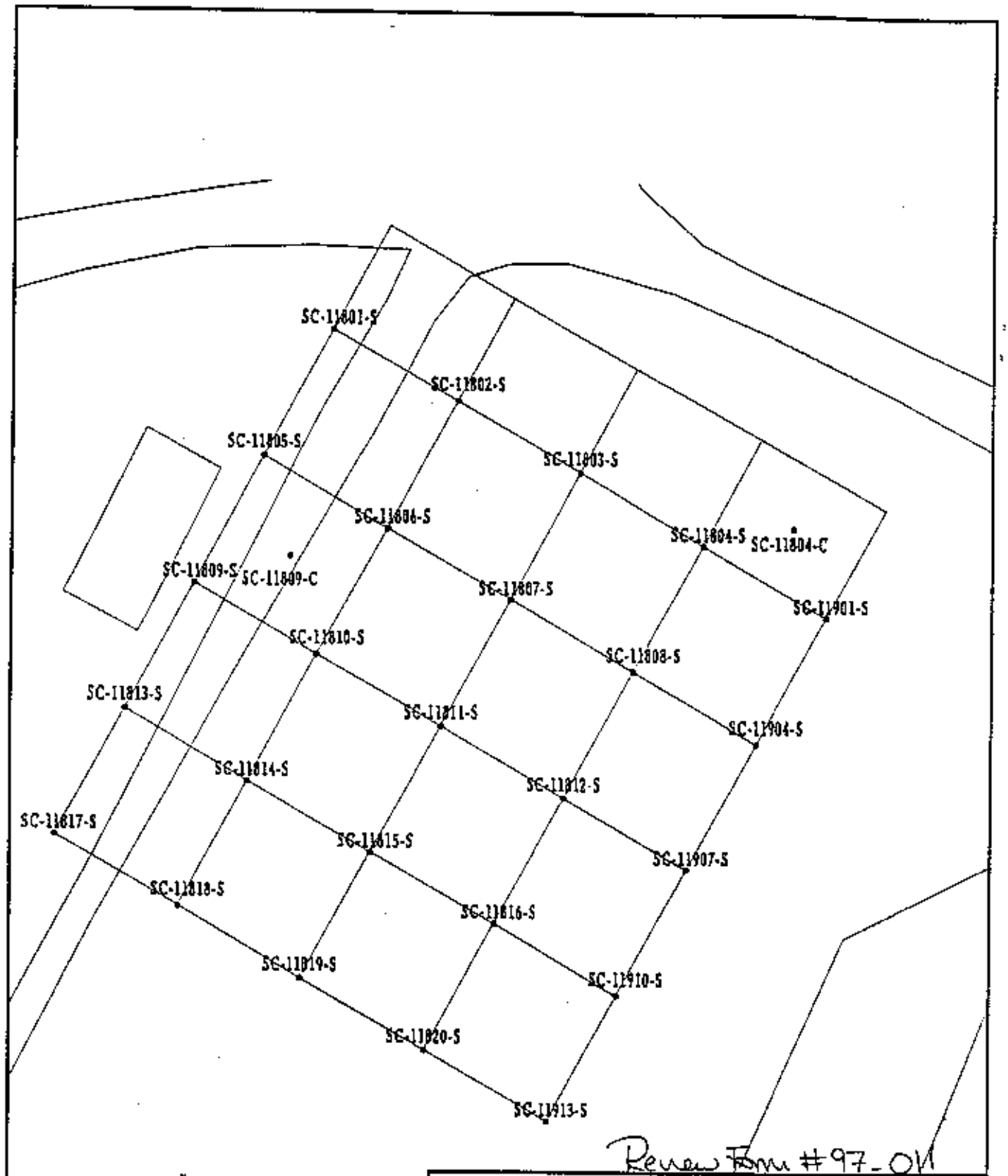
14. ES&H Manager: for KM Date: 2/17/97

15. DOE Project Manager/Engineer: Thomas C. Tanley Date: 2/18/97

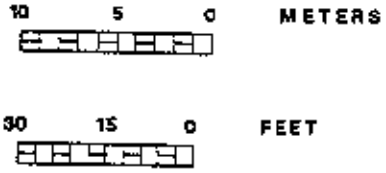
16. Project Manager: Date: 2/17/97

17. Construction Engineer: Date: 2/17/97

SEE ATTACHED RESULTS AND MAP



Review Form #97-01



Sample Locations in Remedial Unit RU009
Confirmation Unit CU118

Figure B-99

EXHIBIT NO.: A/CP/181/1295		REPORT NO.: DOE/OR/21548-590	
ORIGINATOR: MGL	DRAWN BY: WSSRAP GIS	DATE: 3/96	

CU118 DATA REPORT

URANIUM-238

NUMBER OF URANIUM-238 SAMPLES IN DATABASE FOR THIS CU IS: 27

PARAMETER	LOCATION	CONC	DL	UNITS
URANIUM-238	SC-11801-S	2.04	4.07	PCI/G
URANIUM-238	SC-11802-S	7.08	4.19	PCI/G
URANIUM-238	SC-11805-S	1.62	3.23	PCI/G
URANIUM-238	SC-11803-S	2.06	4.11	PCI/G
URANIUM-238	SC-11806-S	1.56	3.13	PCI/G
URANIUM-238	SC-11804-S	1.89	3.77	PCI/G
URANIUM-238	SC-11809-S	1.96	3.91	PCI/G
URANIUM-238	SC-11807-S	2.00	4.00	PCI/G
URANIUM-238	SC-11901-S	2.15	4.29	PCI/G
URANIUM-238	SC-11810-S	1.64	3.28	PCI/G
URANIUM-238	SC-11808-S	1.56	3.12	PCI/G
URANIUM-238	SC-11813-S	1.71	3.41	PCI/G
URANIUM-238	SC-11811-S	2.10	4.19	PCI/G
URANIUM-238	SC-11904-S	3.54	2.50	PCI/G
URANIUM-238	SC-11814-S	1.62	3.24	PCI/G
URANIUM-238	SC-11812-S	1.60	3.19	PCI/G
URANIUM-238	SC-11817-S	2.17	4.34	PCI/G
URANIUM-238	SC-11815-S	1.97	3.94	PCI/G
URANIUM-238	SC-11907-S	2.00	4.01	PCI/G
URANIUM-238	SC-11818-S	1.55	3.10	PCI/G
URANIUM-238	SC-11816-S	1.59	3.18	PCI/G
URANIUM-238	SC-11819-S	2.27	4.53	PCI/G
URANIUM-238	SC-11910-S	1.53	3.06	PCI/G
URANIUM-238	SC-11820-S	1.56	3.12	PCI/G
URANIUM-238	SC-11913-S	2.08	4.15	PCI/G
URANIUM-238	SC-11804-C	2.00	4.01	PCI/G
URANIUM-238	SC-11809-C	1.59	3.18	PCI/G

Average of URANIUM-238 values is 2.09 pCi/g, which is below ALARA, 30.00 pCi/g.
Maximum single value is 7.08 pCi/g, which is below criteria, 120.00 pCi/g.

Weldon Spring Site Remedial Action Project
7295 Highway 94 South, St. Charles, Missouri, 63304

ES&H 1.2.1.1, Rev. 2, 11/96

SOIL CONFIRMATION REMEDIATION DISPOSITION FORM

SECTION I

1. Work Package Number: WP420 2. Date: 02.13.97 3. Review Form #: 97-010

4. Remediation Unit Number: RU009 5. Confirmation Unit Number: CU119 (map attached)

6. Contaminants of Concern: X U-238 ___ Th-230 ___ Th-232 ___ Ra-226 ___ Ra-228
___ TNT ___ PCB ___ PAH ___ As ___ Cr ___ Pb ___ Tl

7. Results average below ALARA goal(s)?	X Yes ___ No
8. All results below cleanup criteria?	X Yes ___ No
9. Any results greater than 3X criteria?	___ Yes X No
10. Hot spots present (less than 3X criteria)?	___ Yes X No

Parameter	Size	Concentration	Complies with Plan?
N/A			___ Yes ___ No
			___ Yes ___ No
			___ Yes ___ No

11. Comments No Utilities.

12. Reviewer Disposition Recommendation:
X Release for Unrestricted Use (Section II)
___ Additional Excavation Required (Section IV)
___ ALARA Committee Required (Section III)

13. Reviewer: Melissa H Lutz Date 02/13/97

SECTION II *CU is released for unrestricted use.*

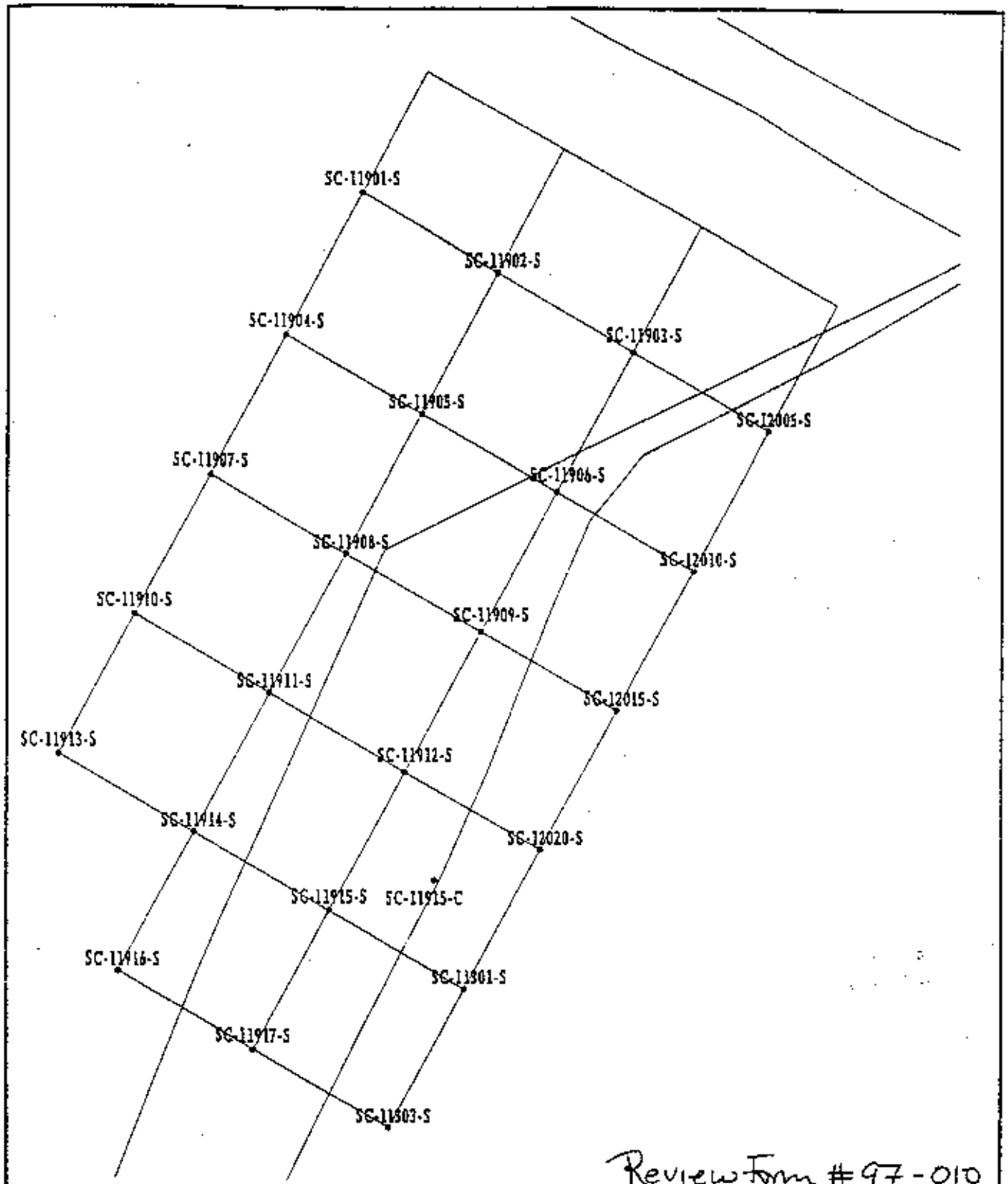
14. ES&H Manager: [signature] Date: 2/13/97

15. DOE Project Manager/Engineer: Thomas C. Pauly Date: 2/13/97

16. Project Manager: [signature] Date: 2/13/97

17. Construction Engineer: [signature] Date: 2-13-97

SEE ATTACHED RESULTS AND MAP



Review Form #97-010

N

10 5 0 METERS

30 15 0 FEET

Sample Locations in Remedial Unit RU009
Confirmation Unit CU119

Figure B-100

EXHIBIT NO.: A/CP/182/1295		REPORT NO.: DOE/OR/21548-590	
ORIGINATOR: MGL	DRAWN BY: WSSRAP GIS	DATE: 3/96	

CU119 DATA REPORT

URANIUM-238

NUMBER OF URANIUM-238 SAMPLES IN DATABASE FOR THIS CU IS: 24

PARAMETER	LOCATION	CONC	DL	UNITS
URANIUM-238	SC-11901-S	2.15	4.29	PCI/G
URANIUM-238	SC-11902-S	3.10	5.02	PCI/G
URANIUM-238	SC-11904-S	3.54	2.50	PCI/G
URANIUM-238	SC-11903-S	1.51	3.03	PCI/G
URANIUM-238	SC-11905-S	2.08	4.17	PCI/G
URANIUM-238	SC-12005-S	2.06	4.11	PCI/G
URANIUM-238	SC-11907-S	2.00	4.01	PCI/G
URANIUM-238	SC-11906-S	2.04	4.07	PCI/G
URANIUM-238	SC-11908-S	1.50	3.01	PCI/G
URANIUM-238	SC-12010-S	1.63	3.25	PCI/G
URANIUM-238	SC-11910-S	1.53	3.06	PCI/G
URANIUM-238	SC-11909-S	2.53	2.69	PCI/G
URANIUM-238	SC-11911-S	2.00	4.00	PCI/G
URANIUM-238	SC-12015-S	1.53	3.06	PCI/G
URANIUM-238	SC-11913-S	2.08	4.15	PCI/G
URANIUM-238	SC-11912-S	2.13	4.25	PCI/G
URANIUM-238	SC-11914-S	2.02	4.05	PCI/G
URANIUM-238	SC-12020-S	2.15	4.29	PCI/G
URANIUM-238	SC-11915-S	1.55	3.11	PCI/G
URANIUM-238	SC-11916-S	6.69	3.05	PCI/G
URANIUM-238	SC-11301-S	2.04	4.07	PCI/G
URANIUM-238	SC-11917-S	1.52	3.04	PCI/G
URANIUM-238	SC-11303-S	2.14	1.98	PCI/G
URANIUM-238	SC-11915-C	3.54	2.65	PCI/G

Average of URANIUM-238 values is 2.29 pCi/g, which is below ALARA, 30.00 pCi/g.
Maximum single value is 6.69 pCi/g, which is below criteria, 120.00 pCi/g.

Weldon Spring Site Remedial Action Project
7295 Highway 94 South, St. Charles, Missouri, 63304

ES&H 1.2.1.1, Rev. 2, 11/96

SOIL CONFIRMATION REMEDIATION DISPOSITION FORM

SECTION I

1. Work Package Number: WP420 2. Date: 01.14.97 3. Review Form #: 97-002

4. Remediation Unit Number: RU009 5. Confirmation Unit Number: CU120 (map attached)

6. Contaminants of Concern: X U-238 X Th-230 X Th-232 X Ra-226 X Ra-228
___ TNT ___ PCB ___ PAH ___ As ___ Cr ___ Pb ___ Tl

7. Results average below ALARA goal(s)?	X Yes ___ No
8. All results below cleanup criteria?	X Yes ___ No
9. Any results greater than 3X criteria?	___ Yes X No
10. Hot spots present (less than 3X criteria)?	___ Yes X No

Parameter	Size	Concentration	Complies with Plan?
N/A			___ Yes ___ No
			___ Yes ___ No
			___ Yes ___ No

11. Comments NONE

12. Reviewer Disposition Recommendation:
X Release for Unrestricted Use (Section II)
___ Additional Excavation Required (Section IV)
___ ALARA Committee Required (Section III)

13. Reviewer: Melissa H. Lutz Date 01.14.97

SECTION II *CU is released for unrestricted use.*

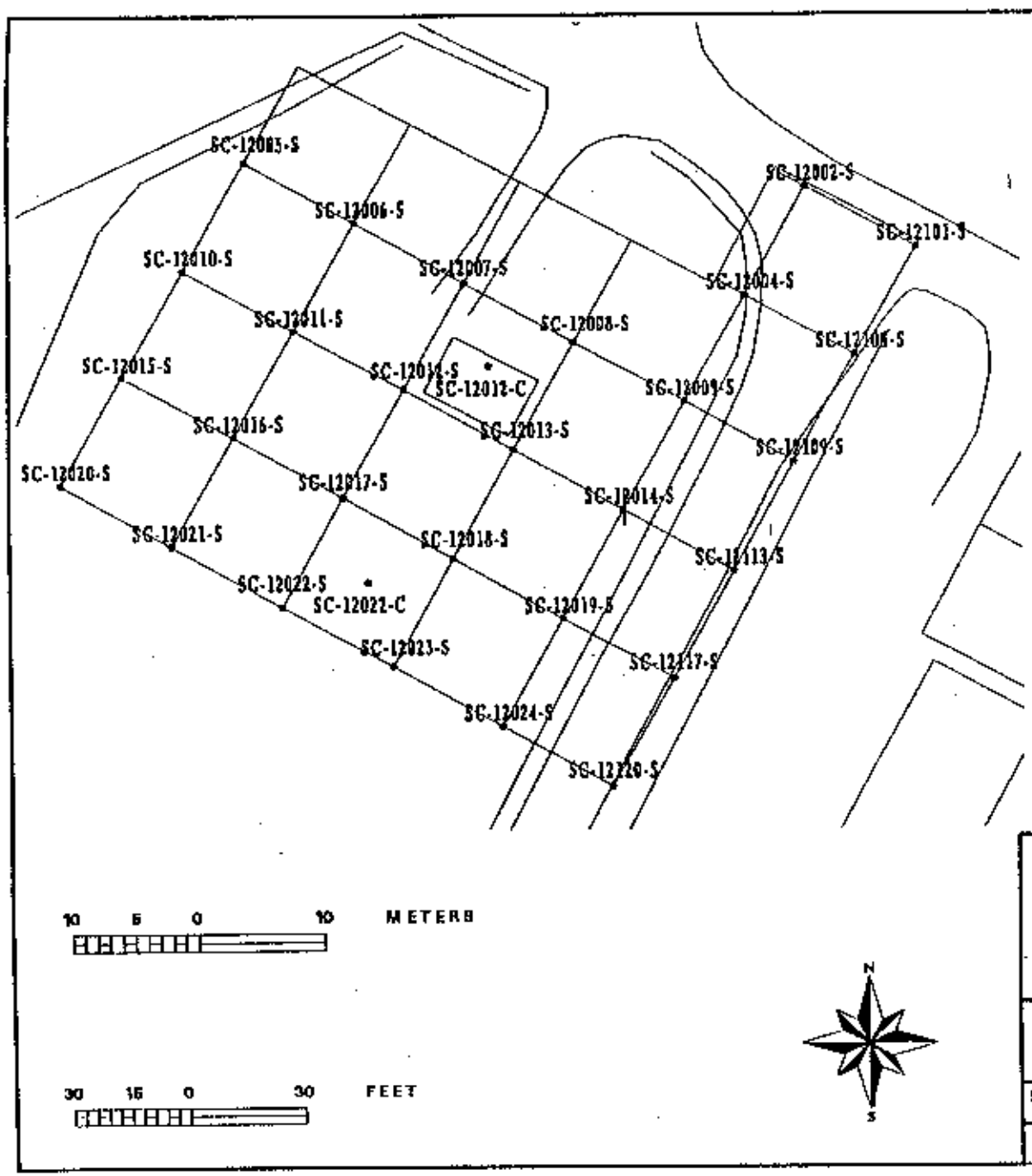
14. ES&H Manager: [signature] Date: 1/14/97

15. DOE Project Manager/Engineer: [signature] Date: 1/14/97

16. Project Manager: [signature] Date: 1/14/97

17. Construction Engineer: [signature] for Dennell Capps Date: 1/14/97

SEE ATTACHED RESULTS AND MAP



Review Form # 97-002

Sample Locations in Remedial Unit RU009
Confirmation Unit CU120

Figure B-101

EXHIBIT NO.: A/CP/183/1295	REPORT NO.: DOE/OR/21548-590	
ORIGINATOR: MGL	DRAWN BY: WSSRAP GIS	DATE: 3/96

CU120 DATA REPORT

URANIUM-238

NUMBER OF URANIUM-238 SAMPLES IN DATABASE FOR THIS CU IS: 30

PARAMETER	LOCATION	CONC	DL	UNITS
URANIUM-238	SC-12005-S	2.06	4.11	PCI/G
URANIUM-238	SC-12002-S	1.93	3.85	PCI/G
URANIUM-238	SC-12006-S	1.59	3.17	PCI/G
URANIUM-238	SC-12101-S	1.48	2.95	PCI/G
URANIUM-238	SC-12010-S	1.63	3.25	PCI/G
URANIUM-238	SC-12007-S	1.53	3.07	PCI/G
URANIUM-238	SC-12004-S	2.15	4.29	PCI/G
URANIUM-238	SC-12011-S	1.98	3.95	PCI/G
URANIUM-238	SC-12008-S	1.98	3.95	PCI/G
URANIUM-238	SC-12105-S	1.51	3.03	PCI/G
URANIUM-238	SC-12015-S	1.53	3.06	PCI/G
URANIUM-238	SC-12012-S	1.96	3.91	PCI/G
URANIUM-238	SC-12009-S	2.66	2.25	PCI/G
URANIUM-238	SC-12016-S	2.13	4.25	PCI/G
URANIUM-238	SC-12013-S	1.63	3.25	PCI/G
URANIUM-238	SC-12109-S	1.97	3.94	PCI/G
URANIUM-238	SC-12020-S	2.15	4.29	PCI/G
URANIUM-238	SC-12017-S	1.55	3.11	PCI/G
URANIUM-238	SC-12014-S	1.93	3.85	PCI/G
URANIUM-238	SC-12021-S	2.00	2.63	PCI/G
URANIUM-238	SC-12018-S	1.95	3.89	PCI/G
URANIUM-238	SC-12113-S	1.51	3.03	PCI/G
URANIUM-238	SC-12022-S	2.08	4.17	PCI/G
URANIUM-238	SC-12019-S	1.43	2.86	PCI/G
URANIUM-238	SC-12023-S	1.61	3.21	PCI/G
URANIUM-238	SC-12117-S	4.98	3.54	PCI/G
URANIUM-238	SC-12024-S	2.00	4.01	PCI/G
URANIUM-238	SC-12120-S	2.17	4.35	PCI/G
URANIUM-238	SC-12012-C	1.37	2.73	PCI/G
URANIUM-238	SC-12022-C	5.15	2.91	PCI/G

Average of URANIUM-238 values is 2.05 PCI/G, which is below ALARA, 30.00 PCI/G.
Maximum single value is 5.15 PCI/G, which is below criteria, 120.00 PCI/G.

TH-232

TH-232 cleanup attainment is determined by using Ra-228 concentrations. The TH-232 activity conc. equals [Ra-228] x 1.025 (TH232 Determination for Site Confirmation Samples 10C dated 11/20/95). This gives an avg TH-232 of ~~2.94~~ 1.15 pCi/g, which is below ALARA. The maximum single value is ~~1.07~~ pCi/g, which is below criteria.

CU120 DATA REPORT

THORIUM-230

NUMBER OF Thorium-230 SAMPLES IN DATABASE FOR THIS CU IS: 5

PARAMETER	LOCATION	CONC	DL	UNITS
Thorium-230	SC-12007-S	0.97	0.72	PCI/G
Thorium-230	SC-12008-S	0.98	0.72	PCI/G
Thorium-230	SC-12012-S	0.79	0.72	PCI/G
Thorium-230	SC-12013-S	0.83	0.72	PCI/G
Thorium-230	SC-12012-C	1.04	0.72	PCI/G

Average of Thorium-230 values is 0.92 PCI/G, which is below ALARA, 5.00 PCI/G.
Maximum single value is 1.04 PCI/G, which is below criteria, 6.20 PCI/G.

RADIUM-226

NUMBER OF RADIUM-226 SAMPLES IN DATABASE FOR THIS CU IS: 5

PARAMETER	LOCATION	CONC	DL	UNITS
RADIUM-226	SC-12007-S	2.16	0.32	PCI/G
RADIUM-226	SC-12008-S	1.73	0.37	PCI/G
RADIUM-226	SC-12012-S	2.38	0.38	PCI/G
RADIUM-226	SC-12013-S	2.22	0.26	PCI/G
RADIUM-226	SC-12012-C	2.13	0.25	PCI/G

Average of RADIUM-226 values is 2.12 PCI/G, which is below ALARA, 5.00 PCI/G.
Maximum single value is 2.38 PCI/G, which is below criteria, 6.20 PCI/G.

RADIUM-228

NUMBER OF RADIUM-228 SAMPLES IN DATABASE FOR THIS CU IS: 5

PARAMETER	LOCATION	CONC	DL	UNITS
RADIUM-228	SC-12007-S	1.21	0.50	PCI/G
RADIUM-228	SC-12008-S	1.33	0.52	PCI/G
RADIUM-228	SC-12012-S	0.63	1.27	PCI/G
RADIUM-228	SC-12013-S	1.51	0.46	PCI/G
RADIUM-228	SC-12012-C	0.91	0.48	PCI/G

Average of RADIUM-228 values is 1.12 PCI/G, which is below ALARA, 5.00 PCI/G.
Maximum single value is 1.51 PCI/G, which is below criteria, 6.20 PCI/G.

Weldon Spring Site Remedial Action Project
7295 Highway 94 South, St. Charles, Missouri, 63304

ES&H 1.2.1.1, Rev. 2, 11/96

SOIL CONFIRMATION REMEDIATION DISPOSITION FORM

SECTION I

1. Work Package Number: WP420 2. Date: 01/28/97 3. Review Form #: 97-003

4. Remediation Unit Number: RU009 5. Confirmation Unit Number: CU121 (map attached)

6. Contaminants of Concern: X U-238 X Th-230 X Th-232 X Ra-226 X Ra-228
___ TNT X PCB X PAH X As X Cr X Pb ___ Tl

7. Results average below ALARA goal(s)?	X Yes	___ No
8. All results below cleanup criteria?	X Yes	___ No
9. Any results greater than 3X criteria?	___ Yes	X No
10. Hot spots present (less than 3X criteria)?	___ Yes	X No

Parameter	Size	Concentration	Complies with Plan?
N/A			___ Yes ___ No
			___ Yes ___ No
			___ Yes ___ No

11. Comments

12. Reviewer Disposition Recommendation:
X Release for Unrestricted Use (Section II)
___ Additional Excavation Required (Section IV)
___ ALARA Committee Required (Section III)

13. Reviewer: Melissa A Lutz Date 01/28/97

SECTION II *CU is released for unrestricted use.*

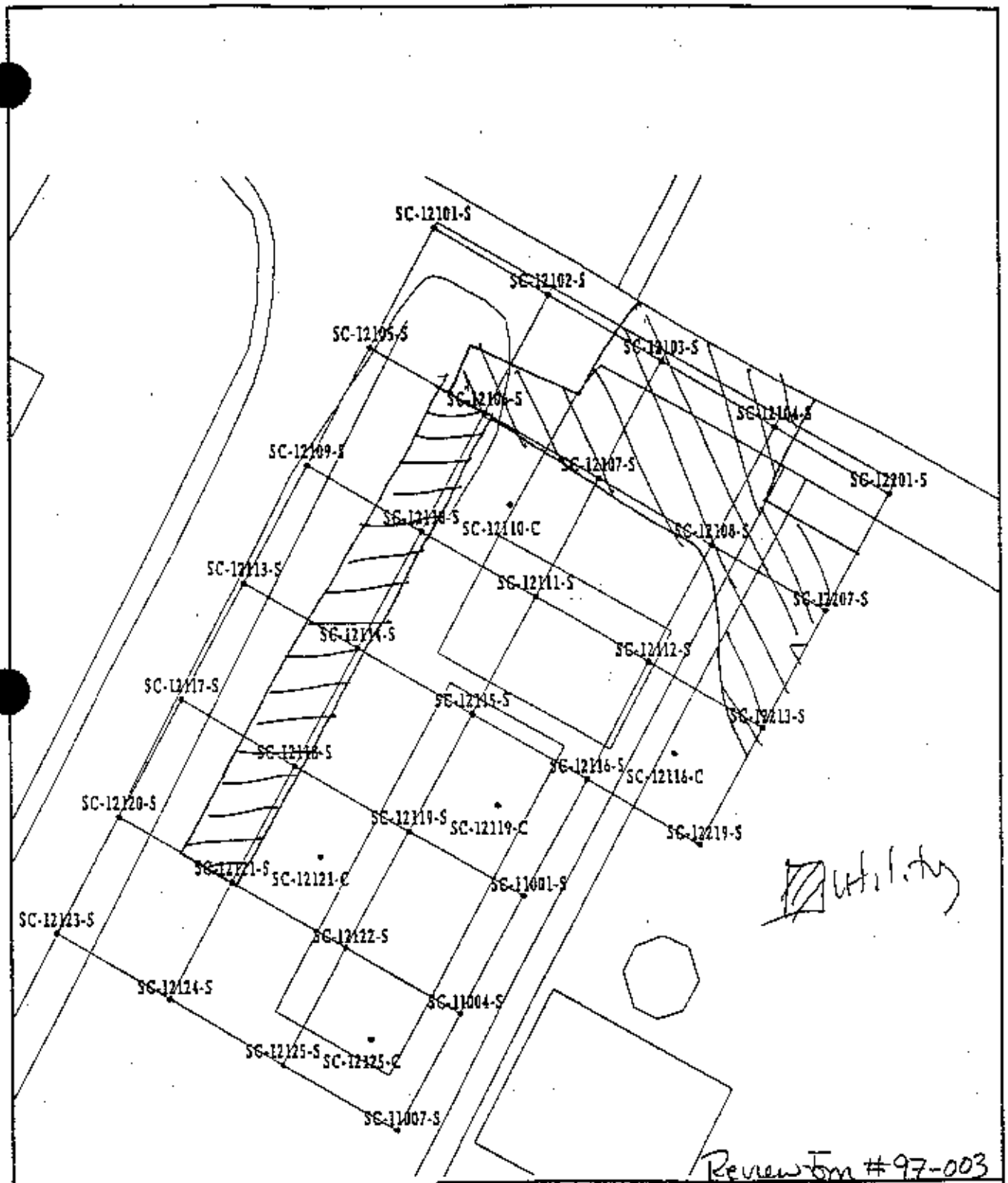
14. ES&H Manager: Date: 1/28/97

15. DOE Project Manager/Engineer: Date: 1/28/97

16. Project Manager: Date: 1/29/97

17. Construction Engineer: Date: 1/29/97

SEE ATTACHED RESULTS AND MAP



Review Tm #97-003

N

10 5 0 METERS

30 15 0 FEET

Sample Locations in Remedial Unit RU009 Confirmation Unit CU121

Figure B-102

EXHIBIT NO.: A/CP/184/1295	REPORT NO.: DOE/OR/21548-590
ORIGINATOR:	DRAWN BY: DATE:

CU121 DATA REPORT

URANIUM-238

NUMBER OF URANIUM-238 SAMPLES IN DATABASE FOR THIS CU IS: 37

PARAMETER	LOCATION	CONC	DL	UNITS
URANIUM-238	SC-12101-S	1.48	2.95	PCI/G
URANIUM-238	SC-12102-S	1.97	3.94	PCI/G
URANIUM-238	SC-12105-S	1.51	3.03	PCI/G
URANIUM-238	SC-12103-S	1.75	3.50	PCI/G
URANIUM-238	SC-12106-S	1.96	3.91	PCI/G
URANIUM-238	SC-12104-S	1.50	2.99	PCI/G
URANIUM-238	SC-12109-S	1.97	3.94	PCI/G
URANIUM-238	SC-12107-S	1.50	3.01	PCI/G
URANIUM-238	SC-12201-S	1.84	3.68	PCI/G
URANIUM-238	SC-12110-S	1.53	3.06	PCI/G
URANIUM-238	SC-12108-S	1.87	3.73	PCI/G
URANIUM-238	SC-12113-S	1.51	3.03	PCI/G
URANIUM-238	SC-12111-S	1.94	3.88	PCI/G
URANIUM-238	SC-12207-S	1.81	3.62	PCI/G
URANIUM-238	SC-12114-S	1.87	3.73	PCI/G
URANIUM-238	SC-12112-S	1.54	3.09	PCI/G
URANIUM-238	SC-12117-S	4.98	3.54	PCI/G
URANIUM-238	SC-12115-S	1.46	2.92	PCI/G
URANIUM-238	SC-12213-S	1.41	2.82	PCI/G
URANIUM-238	SC-12118-S	1.53	3.06	PCI/G
URANIUM-238	SC-12116-S	3.46	2.39	PCI/G
URANIUM-238	SC-12120-S	2.17	4.35	PCI/G
URANIUM-238	SC-12119-S	1.95	3.89	PCI/G
URANIUM-238	SC-12219-S	1.97	3.94	PCI/G
URANIUM-238	SC-12121-S	1.52	3.04	PCI/G
URANIUM-238	SC-11001-S	2.07	4.14	PCI/G
URANIUM-238	SC-12123-S	1.60	3.19	PCI/G
URANIUM-238	SC-12122-S	1.89	3.77	PCI/G
URANIUM-238	SC-12124-S	1.92	3.83	PCI/G
URANIUM-238	SC-11004-S	1.61	3.21	PCI/G
URANIUM-238	SC-12125-S	1.56	3.13	PCI/G
URANIUM-238	SC-11007-S	1.96	3.91	PCI/G
URANIUM-238	SC-12110-C	1.96	3.92	PCI/G
URANIUM-238	SC-12116-C	1.80	3.59	PCI/G
URANIUM-238	SC-12119-C	1.78	3.57	PCI/G
URANIUM-238	SC-12121-C	1.47	2.93	PCI/G
URANIUM-238	SC-12125-C	1.90	3.80	PCI/G

Average of URANIUM-238 values is 1.88, which is below ALARA, 30.00
Maximum single value is 4.98, which is below criteria, 120.00

CU121 DATA REPORT (CONTINUED)

THORIUM-230

NUMBER OF Thorium-230 SAMPLES IN DATABASE FOR THIS CU IS: 27

PARAMETER	LOCATION	CONC	DL	UNITS
Thorium-230	SC-12103-S	0.92	0.72	PCI/G
Thorium-230	SC-12106-S	0.77	0.72	PCI/G
Thorium-230	SC-12104-S	0.84	0.72	PCI/G
Thorium-230	SC-12107-S	0.86	0.72	PCI/G
Thorium-230	SC-12110-S	0.76	0.72	PCI/G
Thorium-230	SC-12108-S	1.12	0.72	PCI/G
Thorium-230	SC-12111-S	0.90	0.72	PCI/G
Thorium-230	SC-12207-S	0.98	0.72	PCI/G
Thorium-230	SC-12114-S	0.85	0.72	PCI/G
Thorium-230	SC-12112-S	0.85	0.72	PCI/G
Thorium-230	SC-12115-S	0.79	0.72	PCI/G
Thorium-230	SC-12213-S	0.91	0.72	PCI/G
Thorium-230	SC-12118-S	0.92	0.72	PCI/G
Thorium-230	SC-12116-S	0.89	0.72	PCI/G
Thorium-230	SC-12119-S	0.88	0.72	PCI/G
Thorium-230	SC-12121-S	0.71	0.72	PCI/G
Thorium-230	SC-11001-S	0.82	0.72	PCI/G
Thorium-230	SC-12122-S	0.78	0.72	PCI/G
Thorium-230	SC-12124-S	1.02	0.72	PCI/G
Thorium-230	SC-11004-S	0.75	0.72	PCI/G
Thorium-230	SC-12125-S	0.71	0.72	PCI/G
Thorium-230	SC-11007-S	0.81	0.72	PCI/G
Thorium-230	SC-12110-C	0.76	0.72	PCI/G
Thorium-230	SC-12116-C	0.78	0.72	PCI/G
Thorium-230	SC-12119-C	0.88	0.72	PCI/G
Thorium-230	SC-12121-C	0.90	0.72	PCI/G
Thorium-230	SC-12125-C	0.86	0.72	PCI/G

Average of Thorium-230 values is 0.85 PCI/G, which is below ALARA, 5.00 PCI/G.
Maximum single value is 1.12 PCI/G, which is below criteria, 6.20 PCI/G.

Thorium-232

Thorium-232 cleanup attainment is determined by using the Radium-228 concentrations. The Thorium-232 activity concentration equals the Ra-228 concentration times 1.025 (TH232 Determination for Site Confirmation samples IOC dated November 20, 1995). This gives an average Thorium-232 value of 1.25 pCi/g, which is below ALARA of 5.00 pCi/g. The maximum calculated single value is 1.73 pCi/g, which is below criteria of 6.20 pCi/g.

CU121 DATA REPORT (CONTINUED)

RADIUM-226

NUMBER OF RADIUM-226 SAMPLES IN DATABASE FOR THIS CU IS: 27

PARAMETER	LOCATION	CONC	DL	UNITS
RADIUM-226	SC-12103-S	0.77	0.68	PCI/G
RADIUM-226	SC-12106-S	0.86	0.76	PCI/G
RADIUM-226	SC-12104-S	1.77	0.26	PCI/G
RADIUM-226	SC-12107-S	1.50	0.28	PCI/G
RADIUM-226	SC-12110-S	1.73	0.25	PCI/G
RADIUM-226	SC-12108-S	1.77	0.30	PCI/G
RADIUM-226	SC-12111-S	1.52	0.31	PCI/G
RADIUM-226	SC-12207-S	1.97	0.23	PCI/G
RADIUM-226	SC-12114-S	1.38	0.30	PCI/G
RADIUM-226	SC-12112-S	1.70	0.26	PCI/G
RADIUM-226	SC-12115-S	1.84	0.26	PCI/G
RADIUM-226	SC-12213-S	1.95	0.18	PCI/G
RADIUM-226	SC-12118-S	1.41	0.29	PCI/G
RADIUM-226	SC-12116-S	1.84	0.23	PCI/G
RADIUM-226	SC-12119-S	1.66	0.29	PCI/G
RADIUM-226	SC-12121-S	1.41	0.29	PCI/G
RADIUM-226	SC-11001-S	1.66	0.29	PCI/G
RADIUM-226	SC-12122-S	1.77	0.41	PCI/G
RADIUM-226	SC-12124-S	1.93	0.39	PCI/G
RADIUM-226	SC-11004-S	2.00	0.26	PCI/G
RADIUM-226	SC-12125-S	2.27	0.26	PCI/G
RADIUM-226	SC-11007-S	1.27	0.41	PCI/G
RADIUM-226	SC-12110-C	0.82	0.72	PCI/G
RADIUM-226	SC-12116-C	1.82	0.36	PCI/G
RADIUM-226	SC-12119-C	1.88	0.31	PCI/G
RADIUM-226	SC-12121-C	1.82	0.22	PCI/G
RADIUM-226	SC-12125-C	0.85	0.75	PCI/G

Average of RADIUM-226 values is 1.60 PCI/G, which is below ALARA, 5.00 PCI/G.
Maximum single value is 2.27 PCI/G, which is below criteria, 6.20 PCI/G.

CU121 DATA REPORT (CONTINUED)

RADIUM-228

NUMBER OF RADIUM-228 SAMPLES IN DATABASE FOR THIS CU IS: 27

PARAMETER	LOCATION	CONC	DL	UNITS
RADIUM-228	SC-12103-S	1.30	0.45	PCI/G
RADIUM-228	SC-12106-S	1.43	0.55	PCI/G
RADIUM-228	SC-12104-S	1.38	0.30	PCI/G
RADIUM-228	SC-12107-S	1.27	0.32	PCI/G
RADIUM-228	SC-12110-S	1.37	0.37	PCI/G
RADIUM-228	SC-12108-S	1.69	0.43	PCI/G
RADIUM-228	SC-12111-S	1.43	0.44	PCI/G
RADIUM-228	SC-12207-S	1.33	0.75	PCI/G
RADIUM-228	SC-12114-S	0.67	1.34	PCI/G
RADIUM-228	SC-12112-S	1.29	0.31	PCI/G
RADIUM-228	SC-12115-S	1.58	0.51	PCI/G
RADIUM-228	SC-12213-S	1.32	0.40	PCI/G
RADIUM-228	SC-12118-S	1.25	0.42	PCI/G
RADIUM-228	SC-12116-S	1.41	0.42	PCI/G
RADIUM-228	SC-12119-S	1.20	0.38	PCI/G
RADIUM-228	SC-12121-S	1.08	0.34	PCI/G
RADIUM-228	SC-11001-S	1.32	0.57	PCI/G
RADIUM-228	SC-12122-S	1.09	0.51	PCI/G
RADIUM-228	SC-12124-S	1.28	0.59	PCI/G
RADIUM-228	SC-11004-S	1.09	0.51	PCI/G
RADIUM-228	SC-12125-S	1.06	0.47	PCI/G
RADIUM-228	SC-11007-S	1.43	0.42	PCI/G
RADIUM-228	SC-12110-C	0.68	1.35	PCI/G
RADIUM-228	SC-12116-C	1.41	0.51	PCI/G
RADIUM-228	SC-12119-C	0.66	1.31	PCI/G
RADIUM-228	SC-12121-C	1.30	0.39	PCI/G
RADIUM-228	SC-12125-C	0.60	1.21	PCI/G

Average of RADIUM-228 values is 1.22 PCI/G, which is below ALARA, 5.00 PCI/G.
Maximum single value is 1.69 PCI/G, which is below criteria, 6.20 PCI/G.

CU121 DATA REPORT (CONTINUED)

ARSENIC

NUMBER OF Arsenic SAMPLES IN DATABASE FOR THIS CU IS: 24

PARAM	LOCATION	CONC	DL	UNITS
Arsenic	SC-12103-S	0.48	0.97	UG/G
Arsenic	SC-12106-S	0.48	0.96	UG/G
Arsenic	SC-12104-S	2.40	1.07	UG/G
Arsenic	SC-12107-S	4.30	1.07	UG/G
Arsenic	SC-12110-S	6.30	1.12	UG/G
Arsenic	SC-12108-S	4.30	0.92	UG/G
Arsenic	SC-12111-S	3.20	1.02	UG/G
Arsenic	SC-12207-S	0.48	0.96	UG/G
Arsenic	SC-12114-S	4.30	0.96	UG/G
Arsenic	SC-12112-S	3.20	0.97	UG/G
Arsenic	SC-12115-S	3.10	1.06	UG/G
Arsenic	SC-12213-S	4.80	1.17	UG/G
Arsenic	SC-12118-S	8.90	1.07	UG/G
Arsenic	SC-12116-S	10.10	0.45	UG/G
Arsenic	SC-12119-S	6.40	1.02	UG/G
Arsenic	SC-12121-S	5.20	1.10	UG/G
Arsenic	SC-12122-S	1.80	0.97	UG/G
Arsenic	SC-12124-S	2.90	0.43	UG/G
Arsenic	SC-12125-S	8.00	0.43	UG/G
Arsenic	SC-12110-C	3.10	1.09	UG/G
Arsenic	SC-12116-C	6.30	1.13	UG/G
Arsenic	SC-12119-C	7.20	0.99	UG/G
Arsenic	SC-12121-C	2.20	0.93	UG/G
Arsenic	SC-12125-C	7.30	1.03	UG/G

Average of Arsenic values is 4.45 UG/G, which is below ALARA, 45.00 UG/G.
Maximum single value is 10.10 UG/G, which is below criteria, 75 UG/G.

CU121 DATA REPORT (CONTINUED)

CHROMIUM

NUMBER OF Chromium SAMPLES IN DATABASE FOR THIS CU IS: 27

PARAM	LOCATION	CONC	DL	UNITS
Chromium	SC-12103-S	5.10	0.97	UG/G
Chromium	SC-12106-S	4.60	0.96	UG/G
Chromium	SC-12104-S	7.20	1.07	UG/G
Chromium	SC-12107-S	11.60	1.07	UG/G
Chromium	SC-12110-S	14.20	1.12	UG/G
Chromium	SC-12108-S	7.40	0.92	UG/G
Chromium	SC-12111-S	12.40	1.02	UG/G
Chromium	SC-12207-S	14.60	0.96	UG/G
Chromium	SC-12114-S	11.50	0.96	UG/G
Chromium	SC-12112-S	9.30	0.97	UG/G
Chromium	SC-12115-S	11.50	1.06	UG/G
Chromium	SC-12213-S	20.50	1.17	UG/G
Chromium	SC-12118-S	17.20	1.07	UG/G
Chromium	SC-12116-S	14.60	0.38	UG/G
Chromium	SC-12119-S	23.10	1.02	UG/G
Chromium	SC-12121-S	13.40	1.10	UG/G
Chromium	SC-11001-S	21.40	0.38	UG/G
Chromium	SC-12122-S	13.00	0.97	UG/G
Chromium	SC-12124-S	10.90	0.36	UG/G
Chromium	SC-11004-S	12.60	0.36	UG/G
Chromium	SC-12125-S	18.20	0.36	UG/G
Chromium	SC-11007-S	17.90	0.38	UG/G
Chromium	SC-12110-C	13.60	1.09	UG/G
Chromium	SC-12116-C	14.60	1.13	UG/G
Chromium	SC-12119-C	12.80	0.99	UG/G
Chromium	SC-12121-C	15.80	0.93	UG/G
Chromium	SC-12125-C	28.00	1.03	UG/G

Average of Chromium values is 13.96 UG/G, which is below ALARA, 90.00 UG/G.
Maximum single value is 28 UG/G, which is below criteria, 110.00 UG/G.

CU121 DATA REPORT (CONTINUED)

LEAD

NUMBER OF Lead SAMPLES IN DATABASE FOR THIS CU IS: 27

PARAM	LOCATION	CONC	DL	UNITS
Lead	SC-12103-S	13.00	0.72	UG/G
Lead	SC-12106-S	7.60	0.72	UG/G
Lead	SC-12104-S	9.40	0.80	UG/G
Lead	SC-12107-S	11.50	0.80	UG/G
Lead	SC-12110-S	29.60	0.84	UG/G
Lead	SC-12108-S	9.30	0.69	UG/G
Lead	SC-12111-S	14.60	0.76	UG/G
Lead	SC-12207-S	10.90	0.72	UG/G
Lead	SC-12114-S	20.40	0.72	UG/G
Lead	SC-12112-S	13.10	0.72	UG/G
Lead	SC-12115-S	13.10	0.79	UG/G
Lead	SC-12213-S	14.20	0.88	UG/G
Lead	SC-12118-S	33.70	0.80	UG/G
Lead	SC-12116-S	9.50	0.20	UG/G
Lead	SC-12119-S	10.50	0.77	UG/G
Lead	SC-12121-S	13.30	0.82	UG/G
Lead	SC-11001-S	9.00	0.21	UG/G
Lead	SC-12122-S	7.20	0.72	UG/G
Lead	SC-12124-S	6.80	0.19	UG/G
Lead	SC-11004-S	13.70	0.19	UG/G
Lead	SC-12125-S	13.40	0.19	UG/G
Lead	SC-11007-S	53.30	0.20	UG/G
Lead	SC-12110-C	8.80	0.82	UG/G
Lead	SC-12116-C	11.30	0.84	UG/G
Lead	SC-12119-C	32.80	0.74	UG/G
Lead	SC-12121-C	5.90	0.70	UG/G
Lead	SC-12125-C	18.30	0.77	UG/G

Average of Lead values is 15.34 UG/G, which is below ALARA, 240.00 UG/G.
Maximum single value is 53.30 UG/G, which is below criteria, 450 UG/G.

CU121 DATA REPORT (CONTINUED)

PCB

NUMBER OF PCB SAMPLES IN DATABASE FOR THIS CU IS: 27

PARAM	LOCATION	CONC	DL	UNITS
PCB	SC-12103-S	0	40	UG/KG
PCB	SC-12106-S	0	39	UG/KG
PCB	SC-12104-S	0	44	UG/KG
PCB	SC-12107-S	0	44	UG/KG
PCB	SC-12110-S	0	46	UG/KG
PCB	SC-12108-S	0	42	UG/KG
PCB	SC-12111-S	0	42	UG/KG
PCB	SC-12207-S	0	40	UG/KG
PCB	SC-12114-S	0	40	UG/KG
PCB	SC-12112-S	0	40	UG/KG
PCB	SC-12115-S	0	43	UG/KG
PCB	SC-12213-S	0	48	UG/KG
PCB	SC-12118-S	0	44	UG/KG
PCB	SC-12116-S	0	41	UG/KG
PCB	SC-12119-S	0	42	UG/KG
PCB	SC-12121-S	0	45	UG/KG
PCB	SC-11001-S	0	42	UG/KG
PCB	SC-12122-S	0	40	UG/KG
PCB	SC-12124-S	0	40	UG/KG
PCB	SC-11004-S	0	40	UG/KG
PCB	SC-12125-S	0	40	UG/KG
PCB	SC-11007-S	0	42	UG/KG
PCB	SC-12110-C	0	45	UG/KG
PCB	SC-12116-C	0	46	UG/KG
PCB	SC-12119-C	0	41	UG/KG
PCB	SC-12121-C	0	38	UG/KG
PCB	SC-12125-C	0	42	UG/KG

Average of PCB values is 0 UG/KG, which is below ALARA, 650 UG/KG.
Maximum single value is 0 UG/KG, which is below criteria, 8000 UG/KG.

PAH

NUMBER OF PAH SAMPLES IN DATABASE FOR THIS CU IS: 1

PARAM	LOCATION	CONC	DL	UNITS
PAH	SC-11007-S	~~132~~ 0 MGK 4.10.97	44	UG/KG

Average of PAH values is ~~132~~ 0 MGK 4.10.97 UG/KG, which is below ALARA, 440 UG/KG.
Maximum single value is ~~132~~ 0 MGK 4.10.97 UG/KG, which is below criteria, 5600 UG/KG.

Weldon Spring Site Remedial Action Project
7295 Highway 94 South, St. Charles, Missouri, 63304

ES&H 1.2.1.1, Rev. 2, 11/96

SOIL CONFIRMATION REMEDIATION DISPOSITION FORM

SECTION I

1. Work Package Number: WP420 2. Date: 01·28·97 3. Review Form #: 97-004

4. Remediation Unit Number: RU009 5. Confirmation Unit Number: CU122 (map attached)

6. Contaminants of Concern: X U-238 X Th-230 X Th-232 X Ra-226 X Ra-228
___ TNT X PCB X PAH X As X Cr X Pb ___ Tl

7. Results average below ALARA goal(s)?	X Yes ___ No
8. All results below cleanup criteria?	X Yes ___ No
9. Any results greater than 3X criteria?	___ Yes X No
10. Hot spots present (less than 3X criteria)?	___ Yes X No

Parameter	Size	Concentration	Complies with Plan?
N/A			___ Yes ___ No
			___ Yes ___ No
			___ Yes ___ No

11. Comments

12. Reviewer Disposition Recommendation:
X Release for Unrestricted Use (Section II)
___ Additional Excavation Required (Section IV)
___ ALARA Committee Required (Section III)

13. Reviewer: Melissa A. Lutz Date 01/28/97

SECTION II *CU is released for unrestricted use.*

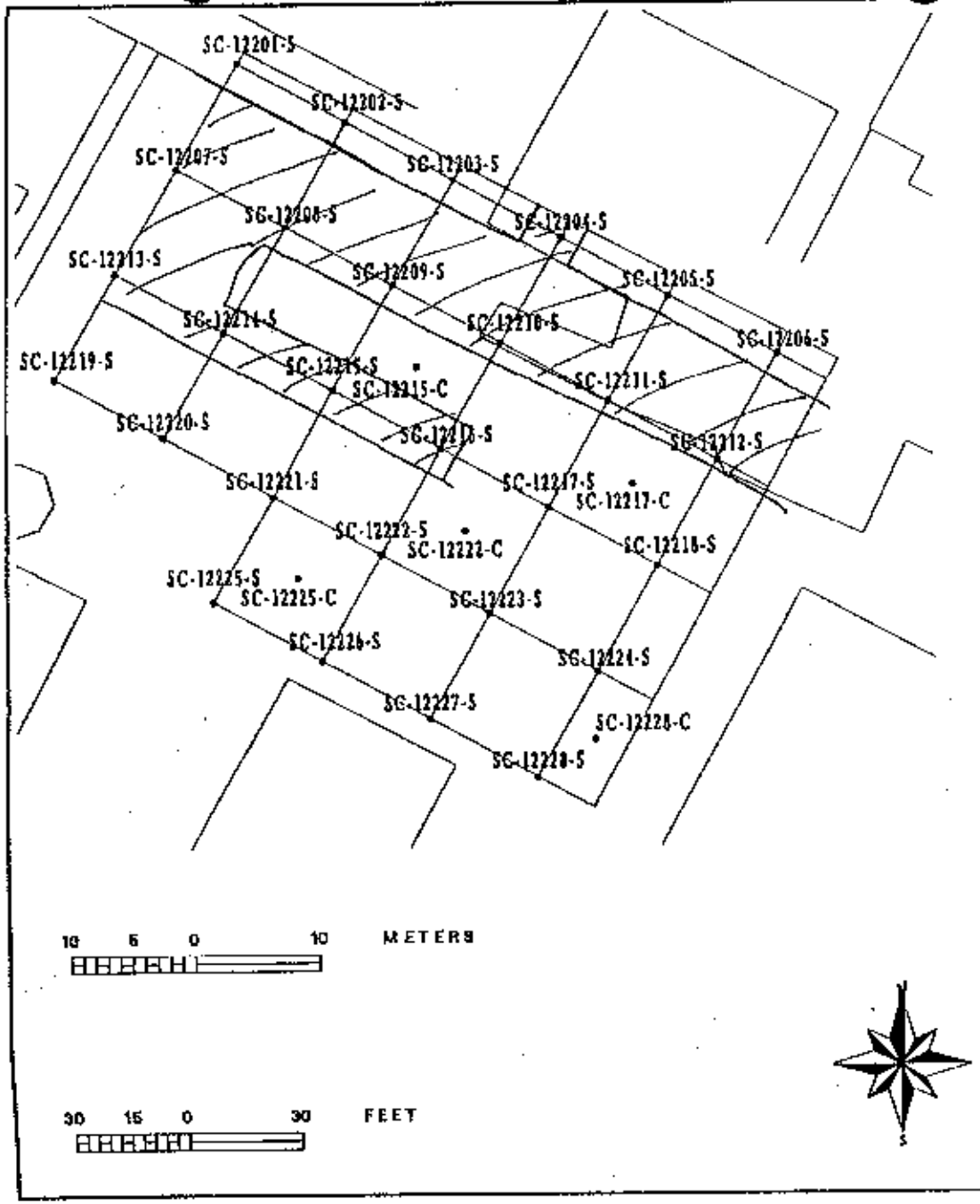
14. ES&H Manager: [signature] Date: 1/29/97

15. DOE Project Manager/Engineer: Thomas C. Oakley Date: 1/29/97

16. Project Manager: [signature] for G. Beyer Date: 1/29/97

17. Construction Engineer: Darrell L. Capper Date: 1-28-97

SEE ATTACHED RESULTS AND MAP



Utilities

Review Form # 97-004

Sample Locations in Remedial Unit RU009
Confirmation Unit CU122

Figure B-103

EXHIBIT NO.: A/CP/185/1295		REPORT NO.: DOE/OR/21548-590	
ORIGINATOR: MGL	DRAWN BY: WSSRAP GIS	DATE: 3/96	

CU122 DATA REPORT

URANIUM-238

NUMBER OF URANIUM-238 SAMPLES IN DATABASE FOR THIS CU IS: 32

PARAMETER	LOCATION	CONC	DL	UNITS
URANIUM-238	SC-12201-S	1.84	3.68	PCI/G
URANIUM-238	SC-12202-S	1.72	3.44	PCI/G
URANIUM-238	SC-12207-S	1.81	3.62	PCI/G
URANIUM-238	SC-12203-S	1.72	3.43	PCI/G
URANIUM-238	SC-12208-S	1.57	3.15	PCI/G
URANIUM-238	SC-12204-S	1.56	3.12	PCI/G
URANIUM-238	SC-12213-S	1.41	2.82	PCI/G
URANIUM-238	SC-12209-S	1.99	3.98	PCI/G
URANIUM-238	SC-12205-S	2.60	1.86	PCI/G
URANIUM-238	SC-12214-S	3.50	3.59	PCI/G
URANIUM-238	SC-12210-S	1.47	2.94	PCI/G
URANIUM-238	SC-12206-S	1.44	2.88	PCI/G
URANIUM-238	SC-12219-S	1.97	3.94	PCI/G
URANIUM-238	SC-12215-S	1.48	2.96	PCI/G
URANIUM-238	SC-12211-S	1.99	3.97	PCI/G
URANIUM-238	SC-12220-S	1.62	3.23	PCI/G
URANIUM-238	SC-12216-S	1.93	3.86	PCI/G
URANIUM-238	SC-12212-S	1.91	3.82	PCI/G
URANIUM-238	SC-12221-S	3.86	4.39	PCI/G
URANIUM-238	SC-12217-S	1.89	3.77	PCI/G
URANIUM-238	SC-12222-S	3.30	2.46	PCI/G
URANIUM-238	SC-12218-S	1.51	3.02	PCI/G
URANIUM-238	SC-12225-S	2.10	4.21	PCI/G
URANIUM-238	SC-12223-S	1.58	3.16	PCI/G
URANIUM-238	SC-12226-S	1.79	3.58	PCI/G
URANIUM-238	SC-12224-S	1.49	2.98	PCI/G
URANIUM-238	SC-12227-S	2.09	4.18	PCI/G
URANIUM-238	SC-12228-S	1.56	3.12	PCI/G
URANIUM-238	SC-12215-C	1.48	2.96	PCI/G
URANIUM-238	SC-12217-C	1.54	3.08	PCI/G
URANIUM-238	SC-12222-C	2.06	4.11	PCI/G
URANIUM-238	SC-12228-C	1.90	3.79	PCI/G

Average of URANIUM-238 values is 1.93 PCI/G, which is below ALARA, 30.00 PCI/G.
Maximum single value is 3.86 PCI/G, which is below criteria, 120.00 PCI/G.

CU122 DATA REPORT

THORIUM-230

NUMBER OF THORIUM-230 SAMPLES IN DATABASE FOR THIS CU IS: 22

PARAMETER	LOCATION	CONC	DL	UNITS
Thorium-230	SC-12207-S	0.98	0.72	PCI/G
Thorium-230	SC-12208-S	0.88	0.72	PCI/G
Thorium-230	SC-12204-S	0.78	0.72	PCI/G
Thorium-230	SC-12213-S	0.91	0.72	PCI/G
Thorium-230	SC-12209-S	0.96	0.72	PCI/G
Thorium-230	SC-12214-S	0.69	0.72	PCI/G
Thorium-230	SC-12210-S	0.87	0.72	PCI/G
Thorium-230	SC-12215-S	0.76	0.72	PCI/G
Thorium-230	SC-12211-S	0.90	0.72	PCI/G
Thorium-230	SC-12216-S	0.83	0.72	PCI/G
Thorium-230	SC-12212-S	0.80	0.72	PCI/G
Thorium-230	SC-12221-S	0.99	0.72	PCI/G
Thorium-230	SC-12217-S	0.77	0.72	PCI/G
Thorium-230	SC-12222-S	0.81	0.72	PCI/G
Thorium-230	SC-12218-S	0.94	0.72	PCI/G
Thorium-230	SC-12223-S	0.92	0.72	PCI/G
Thorium-230	SC-12224-S	0.97	0.72	PCI/G
Thorium-230	SC-12228-S	0.95	0.72	PCI/G
Thorium-230	SC-12215-C	0.92	0.72	PCI/G
Thorium-230	SC-12217-C	0.97	0.72	PCI/G
Thorium-230	SC-12222-C	0.74	0.72	PCI/G
Thorium-230	SC-12228-C	0.68	0.72	PCI/G

Average of Thorium-230 values is 0.86 PCI/G, which is below ALARA, 5.00 PCI/G.
Maximum single value is 0.99 PCI/G, which is below criteria, 6.20 PCI/G.

Thorium-232

Thorium-232 cleanup attainment is determined by using the Radium-228 concentrations. The Thorium-232 activity concentration equals the Ra-228 concentration times 1.025 (TH232 Determination for Site Confirmation samples IOC dated November 20, 1995). This gives an average Thorium-232 value of1.46 pCi/g, which is below ALARA of 5.00 pCi/g. The maximum calculated single value is 1.99 pCi/g, which is below criteria of 6.20 pCi/g.

CU122 DATA REPORT (CONTINUED)

RADIUM-226

NUMBER OF RADIUM-226 SAMPLES IN DATABASE FOR THIS CU IS: 23

PARAMETER	LOCATION	CONC	DL	UNITS
RADIUM-226	SC-12207-S	1.97	0.23	PCI/G
RADIUM-226	SC-12208-S	1.52	0.22	PCI/G
RADIUM-226	SC-12204-S	1.73	0.27	PCI/G
RADIUM-226	SC-12213-S	1.95	0.18	PCI/G
RADIUM-226	SC-12209-S	1.82	0.30	PCI/G
RADIUM-226	SC-12214-S	1.95	0.38	PCI/G
RADIUM-226	SC-12210-S	2.02	0.23	PCI/G
RADIUM-226	SC-12215-S	1.75	0.29	PCI/G
RADIUM-226	SC-12211-S	1.63	0.44	PCI/G
RADIUM-226	SC-12216-S	2.02	0.35	PCI/G
RADIUM-226	SC-12212-S	1.91	0.30	PCI/G
RADIUM-226	SC-12221-S	1.86	0.30	PCI/G
RADIUM-226	SC-12217-S	2.02	0.33	PCI/G
RADIUM-226	SC-12222-S	1.79	0.24	PCI/G
RADIUM-226	SC-12218-S	1.70	0.24	PCI/G
RADIUM-226	SC-12225-S	1.75	0.38	PCI/G
RADIUM-226	SC-12223-S	2.27	0.26	PCI/G
RADIUM-226	SC-12224-S	1.70	0.25	PCI/G
RADIUM-226	SC-12228-S	1.93	0.29	PCI/G
RADIUM-226	SC-12215-C	1.84	0.31	PCI/G
RADIUM-226	SC-12217-C	2.02	0.27	PCI/G
RADIUM-226	SC-12222-C	2.27	0.31	PCI/G
RADIUM-226	SC-12228-C	1.66	0.34	PCI/G

Average of RADIUM-226 values is 1.87 PCI/G, which is below ALARA, 5.00 PCI/G.
Maximum single value is 2.27 PCI/G, which is below criteria, 6.20 PCI/G.

CU122 DATA REPORT (CONTINUED)

RADIUM-228

NUMBER OF RADIUM-228 SAMPLES IN DATABASE FOR THIS CU IS: 23

PARAMETER	LOCATION	CONC	DL	UNITS
RADIUM-228	SC-12207-S	1.33	0.75	PCI/G
RADIUM-228	SC-12208-S	1.56	0.37	PCI/G
RADIUM-228	SC-12204-S	1.33	0.42	PCI/G
RADIUM-228	SC-12213-S	1.32	0.40	PCI/G
RADIUM-228	SC-12209-S	1.31	0.28	PCI/G
RADIUM-228	SC-12214-S	1.38	0.28	PCI/G
RADIUM-228	SC-12210-S	1.56	0.45	PCI/G
RADIUM-228	SC-12215-S	1.28	0.51	PCI/G
RADIUM-228	SC-12211-S	0.58	1.17	PCI/G
RADIUM-228	SC-12216-S	1.44	0.48	PCI/G
RADIUM-228	SC-12212-S	1.32	0.41	PCI/G
RADIUM-228	SC-12221-S	1.53	0.45	PCI/G
RADIUM-228	SC-12217-S	1.60	0.52	PCI/G
RADIUM-228	SC-12222-S	1.36	0.38	PCI/G
RADIUM-228	SC-12218-S	1.43	0.36	PCI/G
RADIUM-228	SC-12225-S	1.94	0.19	PCI/G
RADIUM-228	SC-12223-S	1.62	0.32	PCI/G
RADIUM-228	SC-12224-S	1.38	0.37	PCI/G
RADIUM-228	SC-12228-S	1.66	0.35	PCI/G
RADIUM-228	SC-12215-C	1.22	0.44	PCI/G
RADIUM-228	SC-12217-C	1.37	0.49	PCI/G
RADIUM-228	SC-12222-C	1.46	0.48	PCI/G
RADIUM-228	SC-12228-C	1.58	0.43	PCI/G

Average of RADIUM-228 values is 1.42 PCI/G, which is below ALARA, 5.00 PCI/G.
Maximum single value is 1.94 PCI/G, which is below criteria, 6.20 PCI/G.

CU122 DATA REPORT (CONTINUED)

ARSENIC

NUMBER OF Arsenic SAMPLES IN DATABASE FOR THIS CU IS: 16

PARAM	LOCATION	CONC	DL	UNITS
Arsenic	SC-12207-S	0.48	0.96	UG/G
Arsenic	SC-12208-S	2.80	1.13	UG/G
Arsenic	SC-12204-S	3.10	1.04	UG/G
Arsenic	SC-12213-S	4.80	1.17	UG/G
Arsenic	SC-12209-S	6.50	1.22	UG/G
Arsenic	SC-12214-S	5.80	1.08	UG/G
Arsenic	SC-12210-S	1.80	1.15	UG/G
Arsenic	SC-12215-S	2.80	1.09	UG/G
Arsenic	SC-12211-S	2.00	1.23	UG/G
Arsenic	SC-12216-S	3.60	1.03	UG/G
Arsenic	SC-12212-S	7.00	1.41	UG/G
Arsenic	SC-12218-S	3.70	1.09	UG/G
Arsenic	SC-12223-S	4.80	1.02	UG/G
Arsenic	SC-12224-S	8.70	1.11	UG/G
Arsenic	SC-12217-C	4.90	1.05	UG/G
Arsenic	SC-12228-C	3.20	1.08	UG/G

Average of Arsenic values is 4.12 UG/G, which is below ALARA, 45.00 UG/G.
Maximum single value is 8.70 UG/G, which is below criteria, 75 UG/G.

CU122 DATA REPORT (CONTINUED)

CHROMIUM

NUMBER OF Chromium SAMPLES IN DATABASE FOR THIS CU IS: 22

PARAM	LOCATION	CONC	DL	UNITS
Chromium	SC-12207-S	14.60	0.96	UG/G
Chromium	SC-12208-S	23.40	1.13	UG/G
Chromium	SC-12204-S	25.10	1.04	UG/G
Chromium	SC-12213-S	20.50	1.17	UG/G
Chromium	SC-12209-S	21.00	1.22	UG/G
Chromium	SC-12214-S	14.70	1.08	UG/G
Chromium	SC-12210-S	14.10	1.15	UG/G
Chromium	SC-12215-S	17.00	1.09	UG/G
Chromium	SC-12211-S	21.00	1.23	UG/G
Chromium	SC-12216-S	10.20	1.03	UG/G
Chromium	SC-12212-S	21.40	1.41	UG/G
Chromium	SC-12221-S	10.60	0.37	UG/G
Chromium	SC-12217-S	11.00	0.87	UG/G
Chromium	SC-12222-S	17.30	1.15	UG/G
Chromium	SC-12218-S	12.30	1.09	UG/G
Chromium	SC-12223-S	10.20	1.02	UG/G
Chromium	SC-12224-S	15.40	1.11	UG/G
Chromium	SC-12228-S	12.40	0.38	UG/G
Chromium	SC-12215-C	15.00	1.07	UG/G
Chromium	SC-12217-C	11.40	1.05	UG/G
Chromium	SC-12222-C	7.00	0.94	UG/G
Chromium	SC-12228-C	12.50	1.08	UG/G

Average of Chromium values is 15.37 UG/G, which is below ALARA, 90.00 UG/G.
Maximum single value is 25.10 UG/G, which is below criteria, 110.00 UG/G.

CU122 DATA REPORT (CONTINUED)

LEAD

NUMBER OF Lead SAMPLES IN DATABASE FOR THIS CU IS: 22

PARAM	LOCATION	CONC	DL	UNITS
Lead	SC-12207-S	10.90	0.72	UG/G
Lead	SC-12208-S	12.50	0.85	UG/G
Lead	SC-12204-S	13.70	0.78	UG/G
Lead	SC-12213-S	14.20	0.88	UG/G
Lead	SC-12209-S	11.80	0.92	UG/G
Lead	SC-12214-S	9.70	0.81	UG/G
Lead	SC-12210-S	15.00	0.87	UG/G
Lead	SC-12215-S	12.00	0.82	UG/G
Lead	SC-12211-S	11.30	0.92	UG/G
Lead	SC-12216-S	10.60	0.77	UG/G
Lead	SC-12212-S	30.40	1.06	UG/G
Lead	SC-12221-S	14.50	0.20	UG/G
Lead	SC-12217-S	34.90	0.65	UG/G
Lead	SC-12222-S	28.30	0.87	UG/G
Lead	SC-12218-S	13.40	0.81	UG/G
Lead	SC-12223-S	10.20	0.77	UG/G
Lead	SC-12224-S	15.50	0.83	UG/G
Lead	SC-12228-S	13.70	0.20	UG/G
Lead	SC-12215-C	7.40	0.80	UG/G
Lead	SC-12217-C	14.30	0.78	UG/G
Lead	SC-12222-C	6.10	0.71	UG/G
Lead	SC-12228-C	9.70	0.81	UG/G

Average of Lead values is 14.55 UG/G, which is below ALARA, 240.00 UG/G.
Maximum single value is 34.90 UG/G, which is below criteria, 450 UG/G.

CU122 DATA REPORT (CONTINUED)

PCB

NUMBER OF PCB SAMPLES IN DATABASE FOR THIS CU IS: 26

PARAM	LOCATION	CONC	DL	UNITS
PCB	SC-12207-S	0	40	UG/KG
PCB	SC-12208-S	0	46	UG/KG
PCB	SC-12204-S	0	43	UG/KG
PCB	SC-12213-S	0	48	UG/KG
PCB	SC-12209-S	0	51	UG/KG
PCB	SC-12214-S	0	45	UG/KG
PCB	SC-12210-S	0	48	UG/KG
PCB	SC-12206-S	0	35	UG/KG
PCB	SC-12215-S	0	45	UG/KG
PCB	SC-12211-S	0	51	UG/KG
PCB	SC-12216-S	0	42	UG/KG
PCB	SC-12212-S	0	58	UG/KG
PCB	SC-12221-S	0	41	UG/KG
PCB	SC-12217-S	0	36	UG/KG
PCB	SC-12222-S	0	48	UG/KG
PCB	SC-12218-S	0	45	UG/KG
PCB	SC-12225-S	0	37	UG/KG
PCB	SC-12223-S	0	41	UG/KG
PCB	SC-12226-S	0	38	UG/KG
PCB	SC-12224-S	0	46	UG/KG
PCB	SC-12228-S	60	42	UG/KG
PCB	SC-12215-C	0	44	UG/KG
PCB	SC-12217-C	0	43	UG/KG
PCB	SC-12222-C	0	39	UG/KG
PCB	SC-12225-C	0	45	UG/KG
PCB	SC-12228-C	0	42	UG/KG

Average of PCB values is 2.31 UG/KG, which is below ALARA, 650 UG/KG.
Maximum single value is 60 UG/KG, which is below criteria, 8000 UG/KG.

PAH

NUMBER OF PAH SAMPLES IN DATABASE FOR THIS CU IS: 1

PARAMETER	LOCATION	CONC	DL	UNITS
PAH	SC-12225-S	110 MAK 8.18.97	39	UG/KG

Average of PAH values is 110 UG/KG, which is below ALARA, 440 UG/KG. MAK 8.18.97
Maximum single value is 110 UG/KG, which is below criteria, 5600 UG/KG.
MAK 8.18.97

Weldon Spring Site Remedial Action Project
7295 Highway 94 South, St. Charles, Missouri, 63304

ES&H 1.2.1.1, Rev. 2, 11/96

SOIL CONFIRMATION REMEDIATION DISPOSITION FORM

SECTION I

1. Work Package Number: WP420 2. Date: 02.20.97 3. Review Form #: 97-012

4. Remediation Unit Number: RU009 5. Confirmation Unit Number: CU142 (map attached)

6. Contaminants of Concern: X U-238 ___ Th-230 ___ Th-232 X Ra-226 X Ra-228
___ TNT ___ PCB ___ PAH ___ As ___ Cr ___ Pb ___ Tl

7. Results average below ALARA goal(s)?	X Yes ___ No
8. All results below cleanup criteria?	X Yes ___ No
9. Any results greater than 3X criteria?	___ Yes X No
10. Hot spots present (less than 3X criteria)?	___ Yes X No

Parameter	Size	Concentration	Complies with Plan?
N/A			___ Yes ___ No
			___ Yes ___ No
			___ Yes ___ No

11. Comments

12. Reviewer Disposition Recommendation:
X Release for Unrestricted Use (Section II)
___ Additional Excavation Required (Section IV)
___ ALARA Committee Required (Section III)

13. Reviewer: Melissa A Lutz Date 02/20/97

SECTION II *CU is released for unrestricted use.*

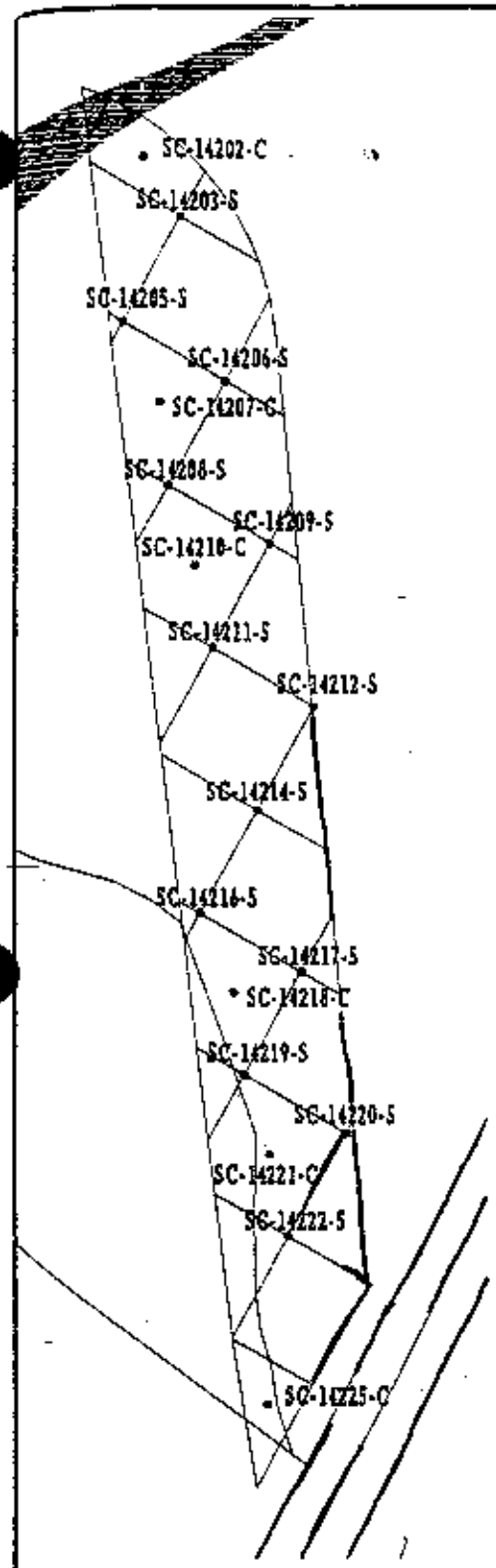
14. ES&H Manager: [signature] for [signature] Date: 2/20/97

15. DOE Project Manager/Engineer: Thomas C. Pauling Date: 2/20/97

16. Project Manager: [signature] Date: 2/21/97

17. Construction Engineer: [signature] Date: 2/21/97

SEE ATTACHED RESULTS AND MAP



Review Form 97-012

10 5 0 METERS

30 15 0 FEET

Sample Locations in Remedial Unit RU009
Confirmation Unit CU142

Figure 2-2

EXHIBIT NO.: A/CP/0008/0197		REPORT NO.: DOE/OR/21548-590	
ORIGINATOR: MGL	DRAWN BY: WSSRAP GIS	DATE: 1/97	

CU142 DATA REPORT

URANIUM-238

NUMBER OF URANIUM-238 SAMPLES IN DATABASE FOR THIS CU IS: 19

PARAMETER	LOCATION	CONC	DL	UNITS
URANIUM-238	SC-14203-S	2.12	4.23	PCI/G
URANIUM-238	SC-14205-S	2.13	4.27	PCI/G
URANIUM-238	SC-14206-S	2.04	4.08	PCI/G
URANIUM-238	SC-14208-S	1.87	3.74	PCI/G
URANIUM-238	SC-14209-S	1.52	3.05	PCI/G
URANIUM-238	SC-14211-S	1.52	3.05	PCI/G
URANIUM-238	SC-14212-S	1.66	3.32	PCI/G
URANIUM-238	SC-14214-S	5.26	3.07	PCI/G
URANIUM-238	SC-14216-S	7.68	2.88	PCI/G
URANIUM-238	SC-14217-S	2.23	4.46	PCI/G
URANIUM-238	SC-14219-S	8.84	4.19	PCI/G
URANIUM-238	SC-14220-S	4.52	2.56	PCI/G
URANIUM-238	SC-14222-S	1.76	3.52	PCI/G
URANIUM-238	SC-14202-C	1.99	3.97	PCI/G
URANIUM-238	SC-14207-C	2.15	4.29	PCI/G
URANIUM-238	SC-14210-C	1.91	3.82	PCI/G
URANIUM-238	SC-14218-C	6.25	3.23	PCI/G
URANIUM-238	SC-14221-C	2.15	4.30	PCI/G
URANIUM-238	SC-14225-C	4.90	3.00	PCI/G

Average of URANIUM-238 values is 3.29 pCi/g, which is below ALARA, 30.00 pCi/g.
Maximum single value is 8.84 pCi/g, which is below criteria, 120.00 pCi/g.

RADIUM-226

NUMBER OF RADIUM-226 SAMPLES IN DATABASE FOR THIS CU IS: 19

PARAMETER	LOCATION	CONC	DL	UNITS
RADIUM-226	SC-14203-S	2.22	0.25	PCI/G
RADIUM-226	SC-14205-S	2.00	0.35	PCI/G
RADIUM-226	SC-14206-S	1.95	0.38	PCI/G
RADIUM-226	SC-14208-S	1.73	0.33	PCI/G
RADIUM-226	SC-14209-S	2.32	0.30	PCI/G
RADIUM-226	SC-14211-S	1.91	0.29	PCI/G
RADIUM-226	SC-14212-S	2.09	0.31	PCI/G
RADIUM-226	SC-14214-S	2.16	0.41	PCI/G
RADIUM-226	SC-14216-S	2.02	0.29	PCI/G
RADIUM-226	SC-14217-S	2.25	0.39	PCI/G
RADIUM-226	SC-14219-S	2.59	0.27	PCI/G
RADIUM-226	SC-14220-S	2.54	0.33	PCI/G
RADIUM-226	SC-14222-S	2.09	0.28	PCI/G
RADIUM-226	SC-14202-C	1.91	0.34	PCI/G
RADIUM-226	SC-14207-C	1.73	0.46	PCI/G
RADIUM-226	SC-14210-C	1.50	0.43	PCI/G
RADIUM-226	SC-14218-C	2.13	0.29	PCI/G
RADIUM-226	SC-14221-C	2.38	0.36	PCI/G
RADIUM-226	SC-14225-C	2.47	0.24	PCI/G

Average of RADIUM-226 values is 2.10, which is below ALARA, 5.00
Maximum single value is 2.59, which is below criteria, 6.20

CU142 DATA REPORT

RADIUM-228

NUMBER OF RADIUM-228 SAMPLES IN DATABASE FOR THIS CU IS: 19

PARAMETER	LOCATION	CONC	DL	UNITS
RADIUM-228	SC-14203-S	0.89	0.49	PCI/G
RADIUM-228	SC-14205-S	1.28	0.48	PCI/G
RADIUM-228	SC-14206-S	1.33	0.58	PCI/G
RADIUM-228	SC-14208-S	1.62	0.56	PCI/G
RADIUM-228	SC-14209-S	1.11	0.37	PCI/G
RADIUM-228	SC-14211-S	1.37	0.51	PCI/G
RADIUM-228	SC-14212-S	1.43	0.41	PCI/G
RADIUM-228	SC-14214-S	0.66	1.32	PCI/G
RADIUM-228	SC-14216-S	1.32	0.37	PCI/G
RADIUM-228	SC-14217-S	1.35	0.54	PCI/G
RADIUM-228	SC-14219-S	1.50	0.52	PCI/G
RADIUM-228	SC-14220-S	0.94	0.42	PCI/G
RADIUM-228	SC-14222-S	1.29	0.46	PCI/G
RADIUM-228	SC-14202-C	1.01	0.62	PCI/G
RADIUM-228	SC-14207-C	0.59	1.18	PCI/G
RADIUM-228	SC-14210-C	1.31	0.46	PCI/G
RADIUM-228	SC-14218-C	0.90	0.43	PCI/G
RADIUM-228	SC-14221-C	1.59	0.49	PCI/G
RADIUM-228	SC-14225-C	1.27	0.43	PCI/G

Average of RADIUM-228 values is 1.20 pCi/g, which is below ALARA, 5.00 pCi/g.
Maximum single value is 1.62 pCi/g, which is below criteria, 6.20 pCi/g.

APPENDIX D
Analytical Data

APPENDIX D TABLE D-1

WSSRAP ID	PARAMETER	CONC	ERR	DL	UNITS	VAL QUAL	COMMENTS	METHOD	MATRIX	CATEGORY	DIL FACT	LAB ID	LAB QUAL	LAB REQU	DATE ANA	SAMPLINK	DATE SAMPLED
SC-09403-S	URANIUM-238	ND		4.57	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC4521		WP0199.0	11/15/96	0000025467	11/13/96
SC-09404-C	URANIUM-238	ND		3.11	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC4522		WP0199.0	11/15/96	0000025469	11/13/96
SC-09404-S	URANIUM-238	(1.31)	0.66	2.02	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC4523		WP0199.0	11/15/96	0000025468	11/13/96
SC-09405-S	URANIUM-238	ND		3.09	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC4524		WP0199.0	11/15/96	0000025470	11/13/96
SC-09408-C	URANIUM-238	ND		4.53	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC4525		WP0199.0	11/15/96	0000025474	11/13/96
SC-09408-S	URANIUM-238	ND		2.99	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC4526		WP0199.0	11/15/96	0000025473	11/13/96
SC-09409-S	URANIUM-238	ND		4.10	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC4527		WP0199.0	11/15/96	0000025475	11/13/96
SC-09410-S	URANIUM-238	ND		3.13	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC4528		WP0199.0	11/15/96	0000025476	11/13/96
SC-09413-S	URANIUM-238	ND		4.33	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC4529		WP0199.0	11/15/96	0000025478	11/13/96
SC-09414-S	URANIUM-238	2.73	0.68	2.28	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC4530		WP0199.0	11/15/96	0000025479	11/13/96
SC-09415-S	URANIUM-238	ND		4.19	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC4531		WP0199.0	11/15/96	0000025480	11/13/96
SC-09418-S	URANIUM-238	ND		3.10	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC4532		WP0199.0	11/15/96	0000025483	11/13/96
SC-09419-S	URANIUM-238	4.35	1.38	3.76	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC4533		WP0199.0	11/15/96	0000025484	11/13/96
SC-09420-S	URANIUM-238	ND		2.88	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC4534		WP0199.0	11/15/96	0000025485	11/13/96
SC-09425-C	URANIUM-238	ND		4.31	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC4536		WP0199.0	11/15/96	0000025486	11/13/96
SC-09501-S	URANIUM-238	ND		4.00	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC3942		WP0152.0	11/11/96	0000025487	10/1/96
SC-09502-S	RADIUM-226	1.57	0.11	0.33	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC3943		WP0152.0	11/11/96	0000025488	10/1/96
SC-09502-S	RADIUM-228	1.37	0.13	0.40	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC3943		WP0152.0	11/11/96	0000025488	10/1/96
SC-09502-S	URANIUM-238	ND		3.27	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC3943		WP0152.0	11/11/96	0000025488	10/1/96
SC-09503-S	RADIUM-226	1.58	0.14	0.39	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC3944		WP0152.0	11/11/96	0000025489	10/1/96
SC-09503-S	RADIUM-228	1.08	0.16	0.56	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC3944		WP0152.0	11/11/96	0000025489	10/1/96
SC-09503-S	URANIUM-238	ND		4.11	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC3944		WP0152.0	11/11/96	0000025489	10/1/96
SC-09504-S	RADIUM-226	1.29	0.10	0.22	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC3945		WP0152.0	11/11/96	0000025490	10/1/96
SC-09504-S	RADIUM-228	1.29	0.13	0.41	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC3945		WP0152.0	11/11/96	0000025490	10/1/96
SC-09504-S	URANIUM-238	(2.82)	0.76	3.14	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC3945		WP0152.0	11/11/96	0000025490	10/1/96
SC-09505-S	URANIUM-238	ND		3.36	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC3946		WP0152.0	11/11/96	0000025491	10/1/96
SC-09506-C	RADIUM-226	1.74	0.14	0.43	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC3947		WP0152.0	11/11/96	0000025492	10/1/96
SC-09506-C	RADIUM-228	1.41	0.19	0.65	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC3947		WP0152.0	11/11/96	0000025492	10/1/96
SC-09506-C	URANIUM-238	ND		3.97	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC3947		WP0152.0	11/11/96	0000025492	10/1/96
SC-09506-S	RADIUM-226	1.75	0.11	0.28	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC3948		WP0152.0	11/11/96	0000025493	10/1/96
SC-09506-S	RADIUM-228	1.38	0.14	0.44	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC3948		WP0152.0	11/11/96	0000025493	10/1/96
SC-09506-S	URANIUM-238	ND		3.22	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC3948		WP0152.0	11/11/96	0000025493	10/1/96
SC-09507-C	RADIUM-226	1.50	0.13	0.41	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC3949		WP0152.0	11/11/96	0000025494	10/1/96
SC-09507-C	RADIUM-228	ND		1.33	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC3949		WP0152.0	11/11/96	0000025494	10/1/96
SC-09507-C	URANIUM-238	(2.12)	0.97	2.98	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC3949		WP0152.0	11/11/96	0000025494	10/1/96
SC-09507-S	RADIUM-226	1.67	0.11	0.33	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC3950		WP0152.0	11/11/96	0000025495	10/1/96
SC-09507-S	RADIUM-228	1.41	0.14	0.42	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC3950		WP0152.0	11/11/96	0000025495	10/1/96
SC-09507-S	URANIUM-238	ND		3.34	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC3950		WP0152.0	11/11/96	0000025495	10/1/96
SC-09508-S	RADIUM-226	1.37	0.13	0.46	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC3951		WP0152.0	11/11/96	0000025496	10/1/96
SC-09508-S	RADIUM-228	ND		1.16	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC3951		WP0152.0	11/11/96	0000025496	10/1/96
SC-09508-S	URANIUM-238	ND		4.34	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC3951		WP0152.0	11/11/96	0000025496	10/1/96
SC-09509-S	URANIUM-238	ND		3.75	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC3953		WP0152.0	11/11/96	0000025497	10/1/96
SC-09510-S	URANIUM-238	ND		4.46	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC3954		WP0152.0	10/3/96	0000025498	10/1/96
SC-09511-C	RADIUM-226	1.95	0.16	0.32	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC3955		WP0152.0	11/11/96	0000025499	10/1/96
SC-09511-C	RADIUM-228	1.61	0.25	0.74	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC3955		WP0152.0	11/11/96	0000025499	10/1/96
SC-09511-S	URANIUM-238	ND		3.31	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC3956		WP0152.0	10/3/96	0000025500	10/1/96
SC-09512-S	URANIUM-238	3.79	0.74	2.24	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC3957		WP0152.0	10/3/96	0000025501	10/1/96
SC-09513-S	URANIUM-238	(2.38)	1.07	3.28	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC3958		WP0152.0	10/3/96	0000025502	10/1/96
SC-09514-S	URANIUM-238	ND		4.76	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC3959		WP0152.0	10/2/96	0000025503	10/1/96
SC-09515-S	URANIUM-238	ND		4.51	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC3960		WP0152.0	10/2/96	0000025504	10/1/96
SC-09516-S	URANIUM-238	8.22	1.19	2.67	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC3961		WP0152.0	10/2/96	0000025505	10/1/96

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WSSRAP ID	PARAMETER	CONC	ERR	DL	UNITS	VAL QUAL	COMMENTS	METHOD	MATRIX	CATEGORY	DIL FACT	LAB ID	LAB QUAL	LAB REQU	DATE ANA	SAMPLINK	DATE SAMPLED
SC-09601-C	RADIUM-226	1.59	0.11	0.31	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC3962		WP0152.0	11/11/96	0000025506	10/1/96
SC-09601-C	RADIUM-228	1.37	0.14	0.40	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC3962		WP0152.0	11/11/96	0000025506	10/1/96
SC-09601-C	URANIUM-238	3.27	0.78	2.61	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC3962		WP0152.0	11/11/96	0000025506	10/1/96
SC-09601-S	RADIUM-226	1.43	0.12	0.30	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC3963		WP0152.0	11/11/96	0000025507	10/1/96
SC-09601-S	RADIUM-228	1.39	0.17	0.45	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC3963		WP0152.0	11/11/96	0000025507	10/1/96
SC-09601-S	URANIUM-238	ND		4.37	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC3963		WP0152.0	11/11/96	0000025507	10/1/96
SC-09602-S	RADIUM-226	1.83	0.16	0.50	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC3964		WP0153.0	11/11/96	0000025508	10/1/96
SC-09602-S	RADIUM-228	1.66	0.21	0.66	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC3964		WP0153.0	11/11/96	0000025508	10/1/96
SC-09602-S	URANIUM-238	ND		4.66	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC3964		WP0153.0	11/11/96	0000025508	10/1/96
SC-09603-S	URANIUM-238	ND		3.51	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC3965		WP0153.0	11/11/96	0000025509	10/1/96
SC-09604-S	URANIUM-238	ND		8.55	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC3966		WP0153.0	10/3/96	0000025510	10/1/96
SC-09605-S	URANIUM-238	6.76	1.12	3.30	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC3967		WP0153.0	10/3/96	0000025511	10/1/96
SC-09606-S	URANIUM-238	(3.60)	1.31	3.68	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC3968		WP0153.0	10/3/96	0000025512	10/1/96
SC-09607-S	URANIUM-238	ND		3.76	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC3969		WP0153.0	10/3/96	0000025513	10/1/96
SC-09608-S	URANIUM-238	ND		4.37	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC3970		WP0153.0	10/3/96	0000025514	10/1/96
SC-09609-S	URANIUM-238	3.56	0.77	2.46	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC3971		WP0153.0	10/3/96	0000025515	10/1/96
SC-09610-S	URANIUM-238	ND		4.14	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC3972		WP0153.0	10/3/96	0000025516	10/1/96
SC-09611-C	URANIUM-238	ND		3.54	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC3973		WP0153.0	10/3/96	0000025517	10/1/96
SC-09611-S	URANIUM-238	2.75	0.72	2.59	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC3974		WP0153.0	10/6/96	0000025518	10/1/96
SC-09612-S	URANIUM-238	ND		3.86	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC3975		WP0153.0	10/3/96	0000025519	10/1/96
SC-09613-S	URANIUM-238	ND		3.20	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC3976		WP0153.0	10/4/96	0000025520	10/1/96
SC-09614-S	URANIUM-238	ND		3.55	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC3977		WP0153.0	10/3/96	0000025521	10/1/96
SC-09615-S	URANIUM-238	ND		3.57	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC3978		WP0153.0	10/2/96	0000025522	10/1/96
SC-09616-S	URANIUM-238	ND		3.68	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC3979		WP0153.0	10/3/96	0000025523	10/1/96
SC-09701-S	AROCLOR-1248	ND		39	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	12480001	U	QT2015.0	10/16/96	0000025524	10/11/96
SC-09701-S	AROCLOR-1254	51		39	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	12480001		QT2015.0	10/16/96	0000025524	10/11/96
SC-09701-S	AROCLOR-1260	ND		39	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	12480001	U	QT2015.0	10/16/96	0000025524	10/11/96
SC-09701-S	THORIUM-230	1.16	0.14	0.72	PCI/G	*		EML TH-01	SOIL	RADIOCHEMICAL	1.00	WSC4251		WP0168.0	10/17/96	0000025524	10/11/96
SC-09701-S	URANIUM-238	(1.46)	0.96	3.10	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC4251		WP0168.0	10/15/96	0000025524	10/11/96
SC-09702-S	AROCLOR-1248	ND		44	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	12480003	U	QT2015.0	10/16/96	0000025525	10/11/96
SC-09702-S	AROCLOR-1254	ND		44	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	12480003	U	QT2015.0	10/16/96	0000025525	10/11/96
SC-09702-S	AROCLOR-1260	ND		44	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	12480003	U	QT2015.0	10/16/96	0000025525	10/11/96
SC-09702-S	THORIUM-230	1.08	0.15	0.72	PCI/G	*		EML TH-01	SOIL	RADIOCHEMICAL	1.00	WSC4253		WP0168.0	10/17/96	0000025525	10/11/96
SC-09702-S	URANIUM-238	ND		3.17	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC4253		WP0168.0	10/15/96	0000025525	10/11/96
SC-09703-S	AROCLOR-1248	ND		41	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	12480004	U	QT2015.0	10/16/96	0000025526	10/11/96
SC-09703-S	AROCLOR-1254	ND		41	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	12480004	U	QT2015.0	10/16/96	0000025526	10/11/96
SC-09703-S	AROCLOR-1260	ND		41	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	12480004	U	QT2015.0	10/16/96	0000025526	10/11/96
SC-09703-S	THORIUM-230	1.14	0.16	0.72	PCI/G	*		EML TH-01	SOIL	RADIOCHEMICAL	1.00	WSC4254		WP0168.0	10/17/96	0000025526	10/11/96
SC-09703-S	URANIUM-238	ND		4.22	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC4254		WP0168.0	10/15/96	0000025526	10/11/96
SC-09704-S	AROCLOR-1248	ND		40	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	12480005	U	QT2015.0	10/16/96	0000025527	10/11/96
SC-09704-S	AROCLOR-1254	130		40	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	12480005		QT2015.0	10/16/96	0000025527	10/11/96
SC-09704-S	AROCLOR-1260	ND		40	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	12480005	U	QT2015.0	10/16/96	0000025527	10/11/96
SC-09704-S	THORIUM-230	1.04	0.13	0.72	PCI/G	*		EML TH-01	SOIL	RADIOCHEMICAL	1.00	WSC4255		WP0168.0	10/17/96	0000025527	10/11/96
SC-09704-S	URANIUM-238	8.56	0.73	2.46	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC4255		WP0168.0	10/15/96	0000025527	10/11/96
SC-09705-S	AROCLOR-1248	ND		38	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	12480006	U	QT2015.0	10/16/96	0000025528	10/11/96
SC-09705-S	AROCLOR-1254	120		38	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	12480006		QT2015.0	10/16/96	0000025528	10/11/96
SC-09705-S	AROCLOR-1260	61		38	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	12480006		QT2015.0	10/16/96	0000025528	10/11/96
SC-09705-S	THORIUM-230	1.37	0.18	0.72	PCI/G	*		EML TH-01	SOIL	RADIOCHEMICAL	1.00	WSC4256		WP0168.0	10/17/96	0000025528	10/11/96
SC-09705-S	URANIUM-238	ND		4.04	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC4256		WP0168.0	10/15/96	0000025528	10/11/96
SC-09706-C	AROCLOR-1248	ND		42	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	12480007	U	QT2015.0	10/16/96	0000025530	10/11/96
SC-09706-C	AROCLOR-1254	57		42	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	12480007		QT2015.0	10/16/96	0000025530	10/11/96

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WSSRAP ID	PARAMETER	CONC	ERR	DL	UNITS	VAL QUAL	COMMENTS	METHOD	MATRIX	CATEGORY	DIL FACT	LAB ID	LAB QUAL	LAB REQU	DATE ANA	SAMPLINK	DATE SAMPLED
SC-09706-C	AROCLOR-1260	60		42	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	12480007		QT2015.0	10/16/96	0000025530	10/11/96
SC-09706-C	THORIUM-230	1.04	0.12	0.72	PCI/G	*		EML TH-01	SOIL	RADIOCHEMICAL	1.00	WSC4257		WP0168.0	10/17/96	0000025530	10/11/96
SC-09706-C	URANIUM-238	ND		3.02	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC4257		WP0168.0	10/15/96	0000025530	10/11/96
SC-09706-S	AROCLOR-1248	ND		43	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	12480008	U	QT2015.0	10/16/96	0000025529	10/11/96
SC-09706-S	AROCLOR-1254	220		43	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	12480008		QT2015.0	10/16/96	0000025529	10/11/96
SC-09706-S	AROCLOR-1260	ND		43	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	12480008	U	QT2015.0	10/16/96	0000025529	10/11/96
SC-09706-S	THORIUM-230	1.17	0.13	0.72	PCI/G	*		EML TH-01	SOIL	RADIOCHEMICAL	1.00	WSC4258		WP0168.0	10/17/96	0000025529	10/11/96
SC-09706-S	URANIUM-238	ND		3.92	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC4258		WP0168.0	10/15/96	0000025529	10/11/96
SC-09707-S	AROCLOR-1248	ND		41	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	12480009	U	QT2015.0	10/16/96	0000025531	10/11/96
SC-09707-S	AROCLOR-1254	ND		41	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	12480009	U	QT2015.0	10/16/96	0000025531	10/11/96
SC-09707-S	AROCLOR-1260	ND		41	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	12480009	U	QT2015.0	10/16/96	0000025531	10/11/96
SC-09707-S	THORIUM-230	1.10	0.12	0.72	PCI/G	*		EML TH-01	SOIL	RADIOCHEMICAL	1.00	WSC4259		WP0168.0	10/17/96	0000025531	10/11/96
SC-09707-S	URANIUM-238	ND		3.30	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC4259		WP0168.0	10/15/96	0000025531	10/11/96
SC-09708-C	AROCLOR-1248	ND		41	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	12480010	U	QT2015.0	10/16/96	0000025532	10/11/96
SC-09708-C	AROCLOR-1254	ND		41	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	12480010	U	QT2015.0	10/16/96	0000025532	10/11/96
SC-09708-C	AROCLOR-1260	ND		41	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	12480010	U	QT2015.0	10/16/96	0000025532	10/11/96
SC-09708-C	THORIUM-230	0.98	0.10	0.72	PCI/G	*		EML TH-01	SOIL	RADIOCHEMICAL	1.00	WSC4260		WP0168.0	10/17/96	0000025532	10/11/96
SC-09708-S	AROCLOR-1248	ND		42	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	12480011	U	QT2015.0	10/16/96	0000025533	10/11/96
SC-09708-S	AROCLOR-1254	ND		42	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	12480011	U	QT2015.0	10/16/96	0000025533	10/11/96
SC-09708-S	AROCLOR-1260	ND		42	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	12480011	U	QT2015.0	10/16/96	0000025533	10/11/96
SC-09708-S	THORIUM-230	1.12	0.15	0.72	PCI/G	*		EML TH-01	SOIL	RADIOCHEMICAL	1.00	WSC4261		WP0168.0	10/17/96	0000025533	10/11/96
SC-09708-S	URANIUM-238	ND		4.35	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC4261		WP0168.0	10/15/96	0000025533	10/11/96
SC-09709-S	URANIUM-238	ND		3.26	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC4262		WP0168.0	10/15/96	0000025534	10/11/96
SC-09710-S	URANIUM-238	(2.08)	0.93	2.96	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC4263		WP0168.0	10/15/96	0000025535	10/11/96
SC-09711-S	URANIUM-238	ND		3.07	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC4264		WP0168.0	10/15/96	0000025536	10/11/96
SC-09712-S	URANIUM-238	ND		4.50	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC4265		WP0168.0	10/15/96	0000025537	10/11/96
SC-09713-S	URANIUM-238	ND		3.30	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC4266		WP0168.0	10/15/96	0000025538	10/11/96
SC-09714-S	URANIUM-238	ND		4.01	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC4267		WP0168.0	10/15/96	0000025539	10/11/96
SC-09715-S	URANIUM-238	(1.83)	0.83	2.58	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC4268		WP0168.0	10/15/96	0000025540	10/11/96
SC-09716-S	URANIUM-238	ND		4.18	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC4269		WP0168.0	10/15/96	0000025541	10/11/96
SC-09801-S	AROCLOR-1248	ND		40	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	12474017	U	QT2014.0	10/13/96	0000025542	10/10/96
SC-09801-S	AROCLOR-1254	ND		40	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	12474017	U	QT2014.0	10/13/96	0000025542	10/10/96
SC-09801-S	AROCLOR-1260	ND		40	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	12474017	U	QT2014.0	10/13/96	0000025542	10/10/96
SC-09801-S	THORIUM-230	0.97	0.13	0.72	PCI/G	*		EML TH-01	SOIL	RADIOCHEMICAL	1.00	WSC4222		WP0166.0	10/16/96	0000025542	10/10/96
SC-09801-S	URANIUM-238	ND		4.27	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC4222		WP0166.0	10/14/96	0000025542	10/10/96
SC-09802-S	URANIUM-238	ND		4.17	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC4223		WP0166.0	10/14/96	0000025543	10/10/96
SC-09803-C	AROCLOR-1248	ND		40	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	12474018	U	QT2014.0	10/14/96	0000025544	10/10/96
SC-09803-C	AROCLOR-1254	440		40	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	12474018		QT2014.0	10/14/96	0000025544	10/10/96
SC-09803-C	AROCLOR-1260	ND		40	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	12474018	U	QT2014.0	10/14/96	0000025544	10/10/96
SC-09803-C	THORIUM-230	1.10	0.13	0.72	PCI/G	*		EML TH-01	SOIL	RADIOCHEMICAL	1.00	WSC4224		WP0166.0	10/16/96	0000025544	10/10/96
SC-09803-C	URANIUM-238	4.56	0.83	2.44	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC4224		WP0166.0	10/14/96	0000025544	10/10/96
SC-09803-S	AROCLOR-1248	ND		40	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	12474019	U	QT2014.0	10/13/96	0000025545	10/10/96
SC-09803-S	AROCLOR-1254	ND		40	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	12474019	U	QT2014.0	10/13/96	0000025545	10/10/96
SC-09803-S	AROCLOR-1260	ND		40	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	12474019	U	QT2014.0	10/13/96	0000025545	10/10/96
SC-09803-S	THORIUM-230	1.08	0.13	0.72	PCI/G	*		EML TH-01	SOIL	RADIOCHEMICAL	1.00	WSC4225		WP0166.0	10/16/96	0000025545	10/10/96
SC-09803-S	URANIUM-238	ND		4.25	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC4225		WP0166.0	10/15/96	0000025545	10/10/96
SC-09804-C	URANIUM-238	ND		4.26	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC4227		WP0166.0	10/14/96	0000025546	10/10/96
SC-09804-S	URANIUM-238	ND		3.82	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC4228		WP0166.0	10/14/96	0000025547	10/10/96
SC-09805-S	LEAD	14.1		0.20	UG/G	*		EPA CLP	SOIL	METALS	1.00	12474006		QT2014.0	10/12/96	0000025548	10/10/96
SC-09805-S	URANIUM-238	4.07	1.09	3.44	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC4229		WP0166.0	10/14/96	0000025548	10/10/96
SC-09806-S	LEAD	8.4		0.19	UG/G	*		EPA CLP	SOIL	METALS	1.00	12474007		QT2014.0	10/12/96	0000025549	10/10/96

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WSSRAP ID	PARAMETER	CONC	ERR	DL	UNITS	VAL QUAL	COMMENTS	METHOD	MATRIX	CATEGORY	DIL FACT	LAB ID	LAB QUAL	LAB REQU	DATE ANA	SAMPLINK	DATE SAMPLED
SC-09806-S	URANIUM-238	ND		3.08	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC4230		WP0166.0	10/15/96	0000025549	10/10/96
SC-09807-C	LEAD	11.9		0.20	UG/G	*		EPA CLP	SOIL	METALS	1.00	12474008		QT2014.0	10/12/96	0000025551	10/10/96
SC-09807-C	URANIUM-238	2.67	0.85	1.85	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC4231		WP0166.0	10/15/96	0000025551	10/10/96
SC-09807-S	LEAD	13.1		0.20	UG/G	*		EPA CLP	SOIL	METALS	1.00	12474009		QT2014.0	10/12/96	0000025550	10/10/96
SC-09807-S	URANIUM-238	ND		3.70	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC4232		WP0166.0	10/15/96	0000025550	10/10/96
SC-09808-S	AROCLOR-1248	ND		44	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	12474001	U	QT2014.0	10/13/96	0000025552	10/10/96
SC-09808-S	AROCLOR-1254	ND		44	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	12474001	U	QT2014.0	10/13/96	0000025552	10/10/96
SC-09808-S	AROCLOR-1260	ND		44	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	12474001	U	QT2014.0	10/13/96	0000025552	10/10/96
SC-09808-S	CHROMIUM	17.3		0.40	UG/G	*		EPA CLP	SOIL	METALS	1.00	12474001		QT2014.0	10/12/96	0000025552	10/10/96
SC-09808-S	LEAD	9.9		0.21	UG/G	*		EPA CLP	SOIL	METALS	1.00	12474001		QT2014.0	10/12/96	0000025552	10/10/96
SC-09808-S	RADIUM-226	0.90	0.09	0.33	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC4246		WP0167.0	11/19/96	0000025552	10/10/96
SC-09808-S	RADIUM-228	1.54	0.14	0.41	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC4246		WP0167.0	11/19/96	0000025552	10/10/96
SC-09808-S	THORIUM-230	0.96	0.11	0.72	PCI/G	*		EML TH-01	SOIL	RADIOCHEMICAL	1.00	WSC4246		WP0167.0	10/17/96	0000025552	10/10/96
SC-09808-S	URANIUM-238	ND		3.10	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC4246		WP0167.0	11/19/96	0000025552	10/10/96
SC-09809-S	URANIUM-238	(2.34)	0.68	2.79	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC4233		WP0166.0	10/15/96	0000025553	10/10/96
SC-09810-S	URANIUM-238	3.84	0.75	2.49	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC4234		WP0166.0	10/14/96	0000025554	10/10/96
SC-09811-S	LEAD	8.7		0.19	UG/G	*		EPA CLP	SOIL	METALS	1.00	12474010		QT2014.0	10/12/96	0000025555	10/10/96
SC-09811-S	URANIUM-238	18.1	2.55	4.92	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC4235		WP0166.0	10/15/96	0000025555	10/10/96
SC-09812-C	LEAD	11.9		0.20	UG/G	*		EPA CLP	SOIL	METALS	1.00	12474011		QT2014.0	10/12/96	0000025556	10/10/96
SC-09812-C	URANIUM-238	2.81	0.69	2.46	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC4236		WP0166.0	10/14/96	0000025556	10/10/96
SC-09812-S	LEAD	13.4		0.19	UG/G	*		EPA CLP	SOIL	METALS	1.00	12474012		QT2014.0	10/12/96	0000025557	10/10/96
SC-09812-S	URANIUM-238	2.19	0.55	1.63	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC4237		WP0166.0	10/15/96	0000025557	10/10/96
SC-09813-S	LEAD	11.6		0.21	UG/G	*		EPA CLP	SOIL	METALS	1.00	12474013		QT2014.0	10/12/96	0000025558	10/10/96
SC-09813-S	URANIUM-238	4.21	0.80	2.65	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC4238		WP0166.0	10/14/96	0000025558	10/10/96
SC-09814-S	AROCLOR-1248	ND		40	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	12474002	U	QT2014.0	10/13/96	0000025559	10/10/96
SC-09814-S	AROCLOR-1254	ND		40	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	12474002	U	QT2014.0	10/13/96	0000025559	10/10/96
SC-09814-S	AROCLOR-1260	ND		40	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	12474002	U	QT2014.0	10/13/96	0000025559	10/10/96
SC-09814-S	CHROMIUM	13.0		0.38	UG/G	*		EPA CLP	SOIL	METALS	1.00	12474002		QT2014.0	10/12/96	0000025559	10/10/96
SC-09814-S	LEAD	5.8		0.19	UG/G	*		EPA CLP	SOIL	METALS	1.00	12474002		QT2014.0	10/12/96	0000025559	10/10/96
SC-09814-S	RADIUM-226	1.04	0.11	0.37	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC4247		WP0167.0	11/19/96	0000025559	10/10/96
SC-09814-S	RADIUM-228	1.56	0.21	0.45	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC4247		WP0167.0	11/19/96	0000025559	10/10/96
SC-09814-S	THORIUM-230	0.74	0.07	0.72	PCI/G	*		EML TH-01	SOIL	RADIOCHEMICAL	1.00	WSC4247		WP0167.0	10/17/96	0000025559	10/10/96
SC-09814-S	URANIUM-238	ND		3.55	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC4247		WP0167.0	11/19/96	0000025559	10/10/96
SC-09815-S	URANIUM-238	7.27	1.70	4.31	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC4239		WP0166.0	10/15/96	0000025560	10/10/96
SC-09816-S	URANIUM-238	(1.59)	0.58	2.09	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC4240		WP0166.0	10/15/96	0000025561	10/10/96
SC-09817-S	LEAD	16.0		0.20	UG/G	*		EPA CLP	SOIL	METALS	1.00	12474014		QT2014.0	10/12/96	0000025562	10/10/96
SC-09817-S	URANIUM-238	11.1	1.64	2.85	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC4241		WP0166.0	10/15/96	0000025562	10/10/96
SC-09818-S	LEAD	8.8		0.19	UG/G	*		EPA CLP	SOIL	METALS	1.00	12474015		QT2014.0	10/12/96	0000025563	10/10/96
SC-09818-S	URANIUM-238	(2.11)	0.69	2.70	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC4242		WP0166.0	10/15/96	0000025563	10/10/96
SC-09819-C	LEAD	13.3		0.20	UG/G	*		EPA CLP	SOIL	METALS	1.00	12474016		QT2014.0	10/12/96	0000025564	10/10/96
SC-09819-C	URANIUM-238	ND		3.60	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC4243		WP0166.0	10/15/96	0000025564	10/10/96
SC-09819-S	AROCLOR-1248	ND		42	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	12474003	U	QT2014.0	10/13/96	0000025565	10/10/96
SC-09819-S	AROCLOR-1254	ND		42	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	12474003	U	QT2014.0	10/13/96	0000025565	10/10/96
SC-09819-S	AROCLOR-1260	ND		42	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	12474003	U	QT2014.0	10/13/96	0000025565	10/10/96
SC-09819-S	CHROMIUM	21.5		0.38	UG/G	*		EPA CLP	SOIL	METALS	1.00	12474003		QT2014.0	10/12/96	0000025565	10/10/96
SC-09819-S	LEAD	19.3		0.20	UG/G	*		EPA CLP	SOIL	METALS	1.00	12474003		QT2014.0	10/12/96	0000025565	10/10/96
SC-09819-S	RADIUM-226	1.06	0.09	0.31	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC4248		WP0167.0	11/19/96	0000025565	10/10/96
SC-09819-S	RADIUM-228	1.41	0.14	0.42	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC4248		WP0167.0	11/19/96	0000025565	10/10/96
SC-09819-S	THORIUM-230	0.74	0.07	0.72	PCI/G	*		EML TH-01	SOIL	RADIOCHEMICAL	1.00	WSC4248		WP0167.0	10/17/96	0000025565	10/10/96
SC-09819-S	URANIUM-238	ND		2.99	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC4248		WP0167.0	11/19/96	0000025565	10/10/96
SC-09820-S	AROCLOR-1248	ND		42	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	12474005	U	QT2014.0	10/13/96	0000025566	10/10/96

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WSSRAP ID	PARAMETER	CONC	ERR	DL	UNITS	VAL QUAL	COMMENTS	METHOD	MATRIX	CATEGORY	DIL FACT	LAB ID	LAB QUAL	LAB REQU	DATE ANA	SAMPLINK	DATE SAMPLED
SC-09820-S	AROCLOR-1254	ND		42	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	12474005	U	QT2014.0	10/13/96	0000025566	10/10/96
SC-09820-S	AROCLOR-1260	ND		42	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	12474005	U	QT2014.0	10/13/96	0000025566	10/10/96
SC-09820-S	CHROMIUM	19.6		0.39	UG/G	*		EPA CLP	SOIL	METALS	1.00	12474005		QT2014.0	10/12/96	0000025566	10/10/96
SC-09820-S	LEAD	12.8		0.21	UG/G	*		EPA CLP	SOIL	METALS	1.00	12474005		QT2014.0	10/12/96	0000025566	10/10/96
SC-09820-S	RADIUM-226	0.98	0.11	0.36	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC4250		WP0167.0	11/19/96	0000025566	10/10/96
SC-09820-S	RADIUM-228	1.21	0.18	0.66	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC4250		WP0167.0	11/19/96	0000025566	10/10/96
SC-09820-S	THORIUM-230	1.11	0.15	0.72	PCI/G	*		EML TH-01	SOIL	RADIOCHEMICAL	1.00	WSC4250		WP0167.0	10/17/96	0000025566	10/10/96
SC-09820-S	URANIUM-238	ND		3.49	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC4250		WP0167.0	11/19/96	0000025566	10/10/96
SC-09901-S	URANIUM-238	ND		3.94	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC4116		WP0158.0	10/9/96	0000025567	10/7/96
SC-09901-U	AROCLOR-1248	ND		39	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	12425001	U	QT2008.0	10/9/96	0000030578	10/7/96
SC-09901-U	AROCLOR-1254	ND		39	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	12425001	U	QT2008.0	10/9/96	0000030578	10/7/96
SC-09901-U	AROCLOR-1260	ND		39	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	12425001	U	QT2008.0	10/9/96	0000030578	10/7/96
SC-09901-U	CHROMIUM	13.0		0.38	UG/G	*		EPA CLP	SOIL	METALS	1.00	12425001		QT2008.0	10/9/96	0000030578	10/7/96
SC-09901-U	LEAD	6.7		0.19	UG/G	*		EPA CLP	SOIL	METALS	1.00	12425001		QT2008.0	10/9/96	0000030578	10/7/96
SC-09901-U	RADIUM-226	1.06	0.12	0.39	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC4103		WP0157.0	11/17/96	0000030578	10/7/96
SC-09901-U	RADIUM-228	1.29	0.17	0.43	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC4103		WP0157.0	11/17/96	0000030578	10/7/96
SC-09901-U	THORIUM-230	0.75	0.07	0.72	PCI/G	*		EML TH-01	SOIL	RADIOCHEMICAL	1.00	WSC4103		WP0157.0	10/11/96	0000030578	10/7/96
SC-09901-U	URANIUM-238	ND		4.00	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC4103		WP0157.0	11/17/96	0000030578	10/7/96
SC-09902-S	URANIUM-238	(2.32)	0.70	2.49	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC4117		WP0158.0	10/9/96	0000025664	10/7/96
SC-09902-U	AROCLOR-1248	ND		35	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	12425002	U	QT2008.0	10/9/96	0000030579	10/7/96
SC-09902-U	AROCLOR-1254	ND		35	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	12425002	U	QT2008.0	10/9/96	0000030579	10/7/96
SC-09902-U	AROCLOR-1260	ND		35	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	12425002	U	QT2008.0	10/9/96	0000030579	10/7/96
SC-09902-U	CHROMIUM	5.1		0.32	UG/G	*		EPA CLP	SOIL	METALS	1.00	12425002		QT2008.0	10/9/96	0000030579	10/7/96
SC-09902-U	LEAD	2.4		0.17	UG/G	*		EPA CLP	SOIL	METALS	1.00	12425002		QT2008.0	10/9/96	0000030579	10/7/96
SC-09902-U	RADIUM-226	1.12	0.11	0.32	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC4104		WP0157.0	11/17/96	0000030579	10/7/96
SC-09902-U	RADIUM-228	ND		0.76	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC4104		WP0157.0	11/17/96	0000030579	10/7/96
SC-09902-U	THORIUM-230	1.05	0.13	0.72	PCI/G	*		EML TH-01	SOIL	RADIOCHEMICAL	1.00	WSC4104		WP0157.0	10/10/96	0000030579	10/7/96
SC-09902-U	URANIUM-238	ND		3.32	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC4104		WP0157.0	11/17/96	0000030579	10/7/96
SC-09903-S	URANIUM-238	ND		4.42	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC4118		WP0158.0	10/9/96	0000025665	10/7/96
SC-09904-S	URANIUM-238	ND		2.91	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC4119		WP0158.0	10/9/96	0000025666	10/7/96
SC-09905-S	AROCLOR-1248	ND		44	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	12425003	U	QT2008.0	10/9/96	0000025667	10/7/96
SC-09905-S	AROCLOR-1254	ND		44	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	12425003	U	QT2008.0	10/9/96	0000025667	10/7/96
SC-09905-S	AROCLOR-1260	ND		44	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	12425003	U	QT2008.0	10/9/96	0000025667	10/7/96
SC-09905-S	CHROMIUM	16.1		0.40	UG/G	*		EPA CLP	SOIL	METALS	1.00	12425003		QT2008.0	10/9/96	0000025667	10/7/96
SC-09905-S	LEAD	12.5		0.21	UG/G	*		EPA CLP	SOIL	METALS	1.00	12425003		QT2008.0	10/9/96	0000025667	10/7/96
SC-09905-S	RADIUM-226	1.11	0.09	0.23	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC4105		WP0157.0	11/17/96	0000025667	10/7/96
SC-09905-S	RADIUM-228	1.17	0.13	0.37	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC4105		WP0157.0	11/17/96	0000025667	10/7/96
SC-09905-S	THORIUM-230	0.85	0.07	0.72	PCI/G	*		EML TH-01	SOIL	RADIOCHEMICAL	1.00	WSC4105		WP0157.0	10/11/96	0000025667	10/7/96
SC-09905-S	URANIUM-238	ND		3.01	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC4105		WP0157.0	11/17/96	0000025667	10/7/96
SC-09906-S	AROCLOR-1248	ND		40	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	12425005	U	QT2008.0	10/9/96	0000030572	10/7/96
SC-09906-S	AROCLOR-1254	ND		40	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	12425005	U	QT2008.0	10/9/96	0000030572	10/7/96
SC-09906-S	AROCLOR-1260	ND		40	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	12425005	U	QT2008.0	10/9/96	0000030572	10/7/96
SC-09906-S	CHROMIUM	14.5		0.38	UG/G	*		EPA CLP	SOIL	METALS	1.00	12425005		QT2008.0	10/9/96	0000030572	10/7/96
SC-09906-S	LEAD	24.3		0.19	UG/G	*		EPA CLP	SOIL	METALS	1.00	12425005		QT2008.0	10/9/96	0000030572	10/7/96
SC-09906-S	RADIUM-226	1.15	0.12	0.31	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC4107		WP0157.0	11/17/96	0000030572	10/7/96
SC-09906-S	RADIUM-228	1.41	0.19	0.59	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC4107		WP0157.0	11/17/96	0000030572	10/7/96
SC-09906-S	THORIUM-230	1.14	0.14	0.72	PCI/G	*		EML TH-01	SOIL	RADIOCHEMICAL	1.00	WSC4107		WP0157.0	10/11/96	0000030572	10/7/96
SC-09906-S	URANIUM-238	ND		4.10	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC4107		WP0157.0	11/17/96	0000030572	10/7/96
SC-09907-S	AROCLOR-1248	ND		40	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	12425007	U	QT2008.0	10/9/96	0000030573	10/7/96
SC-09907-S	AROCLOR-1254	ND		40	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	12425007	U	QT2008.0	10/9/96	0000030573	10/7/96
SC-09907-S	AROCLOR-1260	ND		40	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	12425007	U	QT2008.0	10/9/96	0000030573	10/7/96

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WSSRAP ID	PARAMETER	CONC	ERR	DL	UNITS	VAL QUAL	COMMENTS	METHOD	MATRIX	CATEGORY	DIL FACT	LAB ID	LAB QUAL	LAB REQU	DATE ANA	SAMPLINK	DATE SAMPLED
SC-09907-S	CHROMIUM	19.0		0.36	UG/G	*		EPA CLP	SOIL	METALS	1.00	12425007		QT2008.0	10/9/96	0000030573	10/7/96
SC-09907-S	LEAD	11.3		0.19	UG/G	*		EPA CLP	SOIL	METALS	1.00	12425007		QT2008.0	10/9/96	0000030573	10/7/96
SC-09907-S	RADIUM-226	1.16	0.09	0.30	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC4109		WP0157.0	11/17/96	0000030573	10/7/96
SC-09907-S	RADIUM-228	1.33	0.14	0.53	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC4109		WP0157.0	11/17/96	0000030573	10/7/96
SC-09907-S	THORIUM-230	1.08	0.12	0.72	PCI/G	*		EML TH-01	SOIL	RADIOCHEMICAL	1.00	WSC4109		WP0157.0	10/11/96	0000030573	10/7/96
SC-09907-S	URANIUM-238	ND		3.37	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC4109		WP0157.0	11/17/96	0000030573	10/7/96
SC-09908-S	AROCLOR-1248	ND		38	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	12425008	U	QT2008.0	10/9/96	0000030574	10/7/96
SC-09908-S	AROCLOR-1254	ND		38	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	12425008	U	QT2008.0	10/9/96	0000030574	10/7/96
SC-09908-S	AROCLOR-1260	ND		38	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	12425008	U	QT2008.0	10/9/96	0000030574	10/7/96
SC-09908-S	CHROMIUM	15.1		0.35	UG/G	*		EPA CLP	SOIL	METALS	1.00	12425008		QT2008.0	10/9/96	0000030574	10/7/96
SC-09908-S	LEAD	21.0		0.16	UG/G	*		EPA CLP	SOIL	METALS	1.00	12425008		QT2008.0	10/9/96	0000030574	10/7/96
SC-09908-S	RADIUM-226	1.06	0.11	0.31	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC4110		WP0157.0	11/17/96	0000030574	10/7/96
SC-09908-S	RADIUM-228	1.36	0.19	0.72	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC4110		WP0157.0	11/17/96	0000030574	10/7/96
SC-09908-S	THORIUM-230	0.81	0.07	0.72	PCI/G	*		EML TH-01	SOIL	RADIOCHEMICAL	1.00	WSC4110		WP0157.0	10/11/96	0000030574	10/7/96
SC-09908-S	URANIUM-238	ND		3.98	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC4110		WP0157.0	11/17/96	0000030574	10/7/96
SC-09909-S	LEAD	17.4		0.17	UG/G	*		EPA CLP	SOIL	METALS	1.00	12425014		QT2008.0	10/9/96	0000025671	10/7/96
SC-09909-S	URANIUM-238	ND		4.37	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC4120		WP0158.0	10/9/96	0000025671	10/7/96
SC-09910-S	LEAD	13.2		0.18	UG/G	*		EPA CLP	SOIL	METALS	1.00	12425015		QT2008.0	10/9/96	0000025672	10/7/96
SC-09910-S	URANIUM-238	ND		3.23	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC4121		WP0158.0	10/9/96	0000025672	10/7/96
SC-09911-C	LEAD	26.0		0.20	UG/G	*		EPA CLP	SOIL	METALS	1.00	12425016		QT2008.0	10/9/96	0000025674	10/7/96
SC-09911-C	URANIUM-238	2.33	0.57	1.99	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC4274		WP0158.0	10/14/96	0000025674	10/7/96
SC-09911-S	LEAD	9.1		0.19	UG/G	*		EPA CLP	SOIL	METALS	1.00	12425017		QT2008.0	10/9/96	0000025673	10/7/96
SC-09911-S	URANIUM-238	ND		4.26	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC4122		WP0158.0	10/9/96	0000025673	10/7/96
SC-09912-S	AROCLOR-1248	ND		42	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	12425009	U	QT2008.0	10/9/96	0000030575	10/7/96
SC-09912-S	AROCLOR-1254	ND		42	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	12425009	U	QT2008.0	10/9/96	0000030575	10/7/96
SC-09912-S	AROCLOR-1260	ND		42	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	12425009	U	QT2008.0	10/9/96	0000030576	10/7/96
SC-09912-S	CHROMIUM	17.0		0.38	UG/G	*		EPA CLP	SOIL	METALS	1.00	12425009		QT2008.0	10/9/96	0000030576	10/7/96
SC-09912-S	LEAD	17.6		0.20	UG/G	*		EPA CLP	SOIL	METALS	1.00	12425009		QT2008.0	10/9/96	0000030575	10/7/96
SC-09912-S	RADIUM-226	1.28	0.09	0.24	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC4111		WP0157.0	11/17/96	0000030575	10/7/96
SC-09912-S	RADIUM-228	1.35	0.13	0.38	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC4111		WP0157.0	11/17/96	0000030575	10/7/96
SC-09912-S	THORIUM-230	0.77	0.08	0.72	PCI/G	*		EML TH-01	SOIL	RADIOCHEMICAL	1.00	WSC4111		WP0157.0	10/11/96	0000030576	10/7/96
SC-09912-S	URANIUM-238	ND		3.21	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC4111		WP0157.0	11/17/96	0000030575	10/7/96
SC-09913-C	LEAD	22.6		0.18	UG/G	*		EPA CLP	SOIL	METALS	1.00	12425018		QT2008.0	10/9/96	0000025676	10/7/96
SC-09913-C	URANIUM-238	ND		3.07	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC4123		WP0158.0	10/9/96	0000025676	10/7/96
SC-09913-S	LEAD	9.5		0.19	UG/G	*		EPA CLP	SOIL	METALS	1.00	12425019		QT2008.0	10/9/96	0000025677	10/7/96
SC-09913-S	URANIUM-238	(3.46)	1.37	4.16	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC4124		WP0158.0	10/9/96	0000025677	10/7/96
SC-09914-S	LEAD	17.3		0.16	UG/G	*		EPA CLP	SOIL	METALS	1.00	12425020		QT2008.0	10/9/96	0000025678	10/7/96
SC-09914-S	URANIUM-238	ND		4.07	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC4125		WP0158.0	10/10/96	0000025678	10/7/96
SC-09915-S	LEAD	12.7		0.18	UG/G	*		EPA CLP	SOIL	METALS	1.00	12425021		QT2008.0	10/9/96	0000025679	10/7/96
SC-09915-S	URANIUM-238	ND		4.10	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC4126		WP0158.0	10/10/96	0000025679	10/7/96
SC-09916-S	AROCLOR-1248	ND		40	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	12425010	U	QT2008.0	10/9/96	0000030576	10/7/96
SC-09916-S	AROCLOR-1254	ND		40	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	12425010	U	QT2008.0	10/9/96	0000030576	10/7/96
SC-09916-S	AROCLOR-1260	ND		40	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	12425010	U	QT2008.0	10/9/96	0000030576	10/7/96
SC-09916-S	CHROMIUM	18.8		0.36	UG/G	*		EPA CLP	SOIL	METALS	1.00	12425010		QT2008.0	10/9/96	0000030576	10/7/96
SC-09916-S	LEAD	14.7		0.19	UG/G	*		EPA CLP	SOIL	METALS	1.00	12425010		QT2008.0	10/9/96	0000030576	10/7/96
SC-09916-S	RADIUM-226	1.05	0.11	0.36	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC4112		WP0157.0	11/17/96	0000030576	10/7/96
SC-09916-S	RADIUM-228	1.47	0.19	0.79	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC4112		WP0157.0	11/17/96	0000030576	10/7/96
SC-09916-S	THORIUM-230	0.99	0.12	0.72	PCI/G	*		EML TH-01	SOIL	RADIOCHEMICAL	1.00	WSC4112		WP0157.0	10/11/96	0000030576	10/7/96
SC-09916-S	URANIUM-238	ND		3.70	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC4112		WP0157.0	11/17/96	0000030576	10/7/96
SC-09917-S	LEAD	9.3		0.20	UG/G	*		EPA CLP	SOIL	METALS	1.00	12425022		QT2008.0	10/9/96	0000025681	10/7/96
SC-09917-S	URANIUM-238	ND		2.98	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC4127		WP0158.0	10/10/96	0000025681	10/7/96

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WSSRAP ID	PARAMETER	CONC	ERR	DL	UNITS	VAL QUAL	COMMENTS	METHOD	MATRIX	CATEGORY	DIL FACT	LAB ID	LAB QUAL	LAB REQU	DATE ANA	SAMPLINK	DATE SAMPLED
SC-09918-C	LEAD	11.6		0.17	UG/G	*		EPA CLP	SOIL	METALS	1.00	12425024		QT2008.0	10/9/96	0000025683	10/7/96
SC-09918-S	LEAD	21.7		0.19	UG/G	*		EPA CLP	SOIL	METALS	1.00	12425025		QT2008.0	10/9/96	0000025682	10/7/96
SC-09918-S	URANIUM-238	(2.56)	0.90	3.32	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC4129		WP0158.0	10/10/96	0000025682	10/7/96
SC-09919-C	LEAD	11.9		0.19	UG/G	*		EPA CLP	SOIL	METALS	1.00	12425026		QT2008.0	10/9/96	0000025685	10/7/96
SC-09919-C	URANIUM-238	ND		4.60	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC4130		WP0158.0	10/9/96	0000025685	10/7/96
SC-09919-S	LEAD	10.7		0.19	UG/G	*		EPA CLP	SOIL	METALS	1.00	12425027		QT2008.0	10/9/96	0000025684	10/7/96
SC-09919-S	URANIUM-238	5.12	1.14	3.02	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC4131		WP0158.0	10/9/96	0000025684	10/7/96
SC-09920-S	AROCLOR-1248	ND		41	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	12425011	U	QT2008.0	10/9/96	0000030577	10/7/96
SC-09920-S	AROCLOR-1254	ND		41	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	12425011	U	QT2008.0	10/9/96	0000030577	10/7/96
SC-09920-S	AROCLOR-1260	ND		41	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	12425011	U	QT2008.0	10/9/96	0000030577	10/7/96
SC-09920-S	CHROMIUM	14.9		0.37	UG/G	*		EPA CLP	SOIL	METALS	1.00	12425011		QT2008.0	10/9/96	0000030577	10/7/96
SC-09920-S	LEAD	12.1		0.20	UG/G	*		EPA CLP	SOIL	METALS	1.00	12425011		QT2008.0	10/9/96	0000030577	10/7/96
SC-09920-S	RADIUM-226	1.12	0.09	0.25	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC4113		WP0157.0	11/17/96	0000030577	10/7/96
SC-09920-S	RADIUM-228	1.44	0.15	0.51	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC4113		WP0157.0	11/17/96	0000030577	10/7/96
SC-09920-S	THORIUM-230	0.73	0.10	0.72	PCI/G	*		EML TH-01	SOIL	RADIOCHEMICAL	1.00	WSC4113		WP0157.0	10/11/96	0000030577	10/7/96
SC-09920-S	URANIUM-238	ND		3.02	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC4113		WP0157.0	11/17/96	0000030577	10/7/96
SC-10003-S	URANIUM-238	ND		4.00	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC4621		WP0206.0	11/22/96	0000025693	11/19/96
SC-10004-S	CHROMIUM	21.7		1.1	UG/G	*		EPA CLP	SOIL	METALS	1.00	12896006		QT2050.0	11/22/96	0000025695	11/19/96
SC-10004-S	URANIUM-238	ND		3.68	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC4622		WP0206.0	11/21/96	0000025695	11/19/96
SC-10005-S	CHROMIUM	16.7		1.1	UG/G	*		EPA CLP	SOIL	METALS	1.00	12896007		QT2050.0	11/22/96	0000025696	11/19/96
SC-10005-S	URANIUM-238	ND		3.12	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC4623		WP0206.0	11/21/96	0000025696	11/19/96
SC-10006-C	2,4,6-TRINITROTOLUENE	ND		0.0075	UG/G	*		USATHAMA	SOIL	NITROAROMATICS	1.00	12896003	U	QT2050.0	11/26/96	0000025699	11/19/96
SC-10006-C	CHROMIUM	39.1		1.1	UG/G	*		EPA CLP	SOIL	METALS	1.00	12896003		QT2050.0	11/22/96	0000025699	11/19/96
SC-10006-S	2,4,6-TRINITROTOLUENE	ND		0.0076	UG/G	*		USATHAMA	SOIL	NITROAROMATICS	1.00	12896004	U	QT2050.0	11/26/96	0000025698	11/19/96
SC-10006-S	CHROMIUM	25.7		1.1	UG/G	*		EPA CLP	SOIL	METALS	1.00	12896004		QT2050.0	11/22/96	0000025698	11/19/96
SC-10006-S	URANIUM-238	ND		4.33	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC4624		WP0206.0	11/22/96	0000025698	11/19/96
SC-10008-S	URANIUM-238	(2.86)	1.09	3.24	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC4625		WP0206.0	11/22/96	0000025700	11/19/96
SC-10009-S	CHROMIUM	24.0		1.1	UG/G	*		EPA CLP	SOIL	METALS	1.00	12896008		QT2050.0	11/22/96	0000025701	11/19/96
SC-10009-S	URANIUM-238	3.51	0.83	3.08	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC4626		WP0206.0	11/22/96	0000025701	11/19/96
SC-10010-S	CHROMIUM	22.1		1.1	UG/G	*		EPA CLP	SOIL	METALS	1.00	12896009		QT2050.0	11/22/96	0000025702	11/19/96
SC-10010-S	URANIUM-238	ND		3.05	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC4627		WP0206.0	11/22/96	0000025702	11/19/96
SC-10011-S	CHROMIUM	23.8		1.1	UG/G	*		EPA CLP	SOIL	METALS	1.00	12896010		QT2050.0	11/22/96	0000025703	11/19/96
SC-10011-S	URANIUM-238	ND		4.19	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC4628		WP0206.0	11/22/96	0000025703	11/19/96
SC-10013-S	URANIUM-238	5.17	0.95	3.05	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC4629		WP0206.0	11/22/96	0000025704	11/19/96
SC-10014-S	URANIUM-238	ND		4.33	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC4630		WP0206.0	11/22/96	0000025705	11/19/96
SC-10015-C	CHROMIUM	16.6		1.1	UG/G	*		EPA CLP	SOIL	METALS	1.00	12896011		QT2050.0	11/22/96	0000025706	11/19/96
SC-10015-S	CHROMIUM	16.0		1.1	UG/G	*		EPA CLP	SOIL	METALS	1.00	12896012		QT2050.0	11/22/96	0000025707	11/19/96
SC-10015-S	URANIUM-238	ND		3.11	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC4631		WP0206.0	11/22/96	0000025707	11/19/96
SC-10016-S	CHROMIUM	19.0		1.1	UG/G	*		EPA CLP	SOIL	METALS	1.00	12896013		QT2050.0	11/22/96	0000025708	11/19/96
SC-10016-S	URANIUM-238	ND		3.10	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC4632		WP0206.0	11/22/96	0000025708	11/19/96
SC-10018-S	URANIUM-238	6.00	0.99	2.49	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC4634		WP0206.0	11/22/96	0000025709	11/19/96
SC-10019-S	URANIUM-238	27.9	2.90	4.23	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC4537		WP0199.0	11/15/96	0000025710	11/13/96
SC-10020-S	URANIUM-238	ND		3.97	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC4538		WP0199.0	11/15/96	0000025711	11/13/96
SC-10021-S	URANIUM-238	ND		3.09	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC4539		WP0199.0	11/15/96	0000025712	11/13/96
SC-10101-S	CHROMIUM	14.4		1.1	UG/G	*		EPA CLP	SOIL	METALS	1.00	12896015		QT2050.0	11/22/96	0000025713	11/19/96
SC-10101-S	URANIUM-238	ND		3.65	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC4635		WP0206.0	11/22/96	0000025713	11/19/96
SC-10102-S	CHROMIUM	23.6		1.1	UG/G	*		EPA CLP	SOIL	METALS	1.00	12896016		QT2050.0	11/22/96	0000025714	11/19/96
SC-10102-S	URANIUM-238	ND		3.16	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC4636		WP0206.0	11/22/96	0000025714	11/19/96
SC-10103-S	URANIUM-238	ND		4.34	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC4637		WP0206.0	11/22/96	0000025715	11/19/96
SC-10104-S	URANIUM-238	(1.85)	0.58	1.89	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC4638		WP0206.0	11/22/96	0000025716	11/19/96
SC-10105-S	2,4,6-TRINITROTOLUENE	1.3		0.036	UG/G	*		USATHAMA	SOIL	NITROAROMATICS	5.00	12896005		QT2050.0	11/26/96	0000025717	11/19/96

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WSSRAP ID	PARAMETER	CONC	ERR	DL	UNITS	VAL QUAL	COMMENTS	METHOD	MATRIX	CATEGORY	DIL FACT	LAB ID	LAB QUAL	LAB REQU	DATE ANA	SAMPLINK	DATE SAMPLED
SC-10105-S	CHROMIUM	18.6		1.1	UG/G	*		EPA CLP	SOIL	METALS	1.00	12896005		QT2050.0	11/22/96	0000025717	11/19/96
SC-10105-S	URANIUM-238	ND		3.92	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC4639		WP0206.0	11/23/96	0000025717	11/19/96
SC-10106-S	CHROMIUM	15.3		1.1	UG/G	*		EPA CLP	SOIL	METALS	1.00	12896017		QT2050.0	11/22/96	0000025718	11/19/96
SC-10106-S	URANIUM-238	ND		4.12	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC4640		WP0206.0	11/22/96	0000025718	11/19/96
SC-10107-S	URANIUM-238	ND		3.04	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC4641		WP0206.0	11/22/96	0000025719	11/19/96
SC-10108-S	AROCLOR-1248	ND		42	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	12896001	U	QT2050.0	11/25/96	0000025720	11/19/96
SC-10108-S	AROCLOR-1254	ND		42	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	12896001	U	QT2050.0	11/25/96	0000025720	11/19/96
SC-10108-S	AROCLOR-1260	ND		42	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	12896001	U	QT2050.0	11/25/96	0000025720	11/19/96
SC-10108-S	URANIUM-238	2.48	0.64	2.35	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC4642		WP0207.0	11/22/96	0000025720	11/19/96
SC-10109-S	CHROMIUM	16.1		1.1	UG/G	*		EPA CLP	SOIL	METALS	1.00	12896018		QT2050.0	11/22/96	0000025721	11/19/96
SC-10109-S	URANIUM-238	ND		3.11	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC4644		WP0207.0	11/23/96	0000025721	11/19/96
SC-10110-S	URANIUM-238	ND		4.17	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC4645		WP0207.0	11/23/96	0000025722	11/19/96
SC-10111-S	URANIUM-238	ND		3.07	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC4646		WP0207.0	11/23/96	0000025723	11/19/96
SC-10112-S	URANIUM-238	(1.83)	0.80	2.42	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC4647		WP0207.0	11/23/96	0000025724	11/19/96
SC-10113-S	URANIUM-238	(2.04)	0.82	3.36	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC4648		WP0207.0	11/23/96	0000025725	11/19/96
SC-10114-S	URANIUM-238	ND		4.12	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC4649		WP0207.0	11/23/96	0000025726	11/19/96
SC-10115-S	URANIUM-238	ND		3.19	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC4650		WP0207.0	11/23/96	0000025727	11/19/96
SC-10116-S	URANIUM-238	ND		4.19	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC4651		WP0207.0	11/23/96	0000025728	11/19/96
SC-10117-S	URANIUM-238	ND		4.65	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC3980		WP0153.0	10/8/96	0000025729	10/1/96
SC-10118-S	URANIUM-238	ND		3.11	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC3981		WP0153.0	10/8/96	0000025730	10/1/96
SC-10119-S	URANIUM-238	ND		3.30	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC3982		WP0153.0	10/8/96	0000025731	10/1/96
SC-10120-S	URANIUM-238	ND		3.77	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC3983		WP0153.0	10/4/96	0000025732	10/1/96
SC-10201-S	AROCLOR-1248	ND		41	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	12789001	U	QT2040.0	11/14/96	0000025733	11/12/96
SC-10201-S	AROCLOR-1254	ND		41	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	12789001	U	QT2040.0	11/14/96	0000025733	11/12/96
SC-10201-S	AROCLOR-1260	ND		41	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	12789001	U	QT2040.0	11/14/96	0000025733	11/12/96
SC-10201-S	URANIUM-238	ND		4.03	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC4453		WP0196.0	11/14/96	0000025733	11/12/96
SC-10202-S	AROCLOR-1248	ND		65	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	12789002	U	QT2040.0	11/14/96	0000025734	11/12/96
SC-10202-S	AROCLOR-1254	ND		65	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	12789002	U	QT2040.0	11/14/96	0000025734	11/12/96
SC-10202-S	AROCLOR-1260	ND		65	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	12789002	U	QT2040.0	11/14/96	0000025734	11/12/96
SC-10202-S	URANIUM-238	ND		4.41	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC4454		WP0196.0	11/13/96	0000025734	11/12/96
SC-10203-S	AROCLOR-1248	ND		39	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	12789003	U	QT2040.0	11/14/96	0000025735	11/12/96
SC-10203-S	AROCLOR-1254	ND		39	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	12789003	U	QT2040.0	11/14/96	0000025735	11/12/96
SC-10203-S	AROCLOR-1260	ND		39	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	12789003	U	QT2040.0	11/14/96	0000025735	11/12/96
SC-10203-S	URANIUM-238	ND		3.37	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC4455		WP0196.0	11/14/96	0000025735	11/12/96
SC-10204-S	AROCLOR-1248	ND		42	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	12789004	U	QT2040.0	11/14/96	0000025736	11/12/96
SC-10204-S	AROCLOR-1254	ND		42	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	12789004	U	QT2040.0	11/14/96	0000025736	11/12/96
SC-10204-S	AROCLOR-1260	ND		42	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	12789004	U	QT2040.0	11/14/96	0000025736	11/12/96
SC-10204-S	URANIUM-238	4.29	1.19	3.17	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC4456		WP0196.0	11/14/96	0000025736	11/12/96
SC-10205-S	URANIUM-238	2.84	0.74	2.57	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC4457		WP0196.0	11/14/96	0000025737	11/12/96
SC-10206-S	AROCLOR-1248	ND		40	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	12789005	U	QT2040.0	11/14/96	0000025738	11/12/96
SC-10206-S	AROCLOR-1254	350		40	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	12789005		QT2040.0	11/14/96	0000025738	11/12/96
SC-10206-S	AROCLOR-1260	ND		40	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	12789005	U	QT2040.0	11/14/96	0000025738	11/12/96
SC-10206-S	URANIUM-238	ND		3.92	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC4458		WP0196.0	11/14/96	0000025738	11/12/96
SC-10207-S	AROCLOR-1248	ND		41	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	12789006	U	QT2040.0	11/14/96	0000025739	11/12/96
SC-10207-S	AROCLOR-1254	ND		41	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	12789006	U	QT2040.0	11/14/96	0000025739	11/12/96
SC-10207-S	AROCLOR-1260	ND		41	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	12789006	U	QT2040.0	11/14/96	0000025739	11/12/96
SC-10207-S	URANIUM-238	ND		4.10	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC4459		WP0196.0	11/13/96	0000025739	11/12/96
SC-10208-S	AROCLOR-1248	ND		41	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	12789007	U	QT2040.0	11/14/96	0000025740	11/12/96
SC-10208-S	AROCLOR-1254	ND		41	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	12789007	U	QT2040.0	11/14/96	0000025740	11/12/96
SC-10208-S	AROCLOR-1260	52		41	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	12789007		QT2040.0	11/14/96	0000025740	11/12/96
SC-10208-S	URANIUM-238	2.88	0.71	2.71	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC4460		WP0196.0	11/14/96	0000025740	11/12/96

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WSSRAP ID	PARAMETER	CONC	ERR	DL	UNITS	VAL QUAL	COMMENTS	METHOD	MATRIX	CATEGORY	DIL FACT	LAB ID	LAB QUAL	LAB REQU	DATE ANA	SAMPLINK	DATE SAMPLED
SC-10209-S	AROCLOR-1248	ND		42	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	12789008	U	QT2040.0	11/15/96	0000025741	11/12/96
SC-10209-S	AROCLOR-1254	ND		42	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	12789008	U	QT2040.0	11/15/96	0000025741	11/12/96
SC-10209-S	AROCLOR-1260	ND		42	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	12789008	U	QT2040.0	11/15/96	0000025741	11/12/96
SC-10209-S	URANIUM-238	4.62	1.18	3.00	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC4461		WP0196.0	11/14/96	0000025741	11/12/96
SC-10210-S	URANIUM-238	3.12	0.69	2.57	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC4462		WP0196.0	11/14/96	0000025742	11/12/96
SC-10211-S	AROCLOR-1248	ND		40	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	12789009	U	QT2040.0	11/15/96	0000025743	11/12/96
SC-10211-S	AROCLOR-1254	ND		40	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	12789009	U	QT2040.0	11/15/96	0000025743	11/12/96
SC-10211-S	AROCLOR-1260	ND		40	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	12789009	U	QT2040.0	11/15/96	0000025743	11/12/96
SC-10211-S	URANIUM-238	ND		4.23	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC4463		WP0196.0	11/14/96	0000025743	11/12/96
SC-10212-S	AROCLOR-1248	ND		42	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	12789010	U	QT2040.0	11/16/96	0000025744	11/12/96
SC-10212-S	AROCLOR-1254	ND		42	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	12789010	U	QT2040.0	11/15/96	0000025744	11/12/96
SC-10212-S	AROCLOR-1260	ND		42	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	12789010	U	QT2040.0	11/15/96	0000025744	11/12/96
SC-10212-S	THORIUM-230	1.07	0.12	0.72	PCI/G	*		EML TH-01	SOIL	RADIOCHEMICAL	1.00	WSC4464		WP0196.0	11/17/96	0000025744	11/12/96
SC-10212-S	URANIUM-238	ND		3.11	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC4464		WP0196.0	11/16/96	0000025744	11/12/96
SC-10213-C	AROCLOR-1248	ND		42	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	12789011	U	QT2040.0	11/15/96	0000025745	11/12/96
SC-10213-C	AROCLOR-1254	ND		42	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	12789011	U	QT2040.0	11/15/96	0000025745	11/12/96
SC-10213-C	AROCLOR-1260	89		42	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	12789011		QT2040.0	11/15/96	0000025745	11/12/96
SC-10213-C	THORIUM-230	1.43	0.167	0.72	PCI/G	*		EML TH-01	SOIL	RADIOCHEMICAL	1.00	WSC4465		WP0196.0	11/17/96	0000025745	11/12/96
SC-10213-S	AROCLOR-1248	ND		42	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	12789012	U	QT2040.0	11/15/96	0000025746	11/12/96
SC-10213-S	AROCLOR-1254	ND		42	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	12789012	U	QT2040.0	11/15/96	0000025746	11/12/96
SC-10213-S	AROCLOR-1260	ND		42	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	12789012	U	QT2040.0	11/15/96	0000025746	11/12/96
SC-10213-S	THORIUM-230	0.97	0.11	0.72	PCI/G	*		EML TH-01	SOIL	RADIOCHEMICAL	1.00	WSC4466		WP0196.0	11/18/96	0000025746	11/12/96
SC-10213-S	URANIUM-238	(1.69)	0.59	2.44	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC4466		WP0196.0	11/14/96	0000025746	11/12/96
SC-10214-S	URANIUM-238	ND		4.25	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC4468		WP0196.0	11/14/96	0000025747	11/12/96
SC-10215-S	URANIUM-238	(2.86)	0.90	3.41	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC4469		WP0196.0	11/14/96	0000025748	11/12/96
SC-10216-S	URANIUM-238	ND		4.08	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC4470		WP0196.0	11/14/96	0000025749	11/12/96
SC-10217-C	AROCLOR-1248	ND		43	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	12789014	U	QT2040.0	11/15/96	0000025750	11/12/96
SC-10217-C	AROCLOR-1254	ND		43	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	12789014	U	QT2040.0	11/15/96	0000025750	11/12/96
SC-10217-C	AROCLOR-1260	ND		43	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	12789014	U	QT2040.0	11/15/96	0000025750	11/12/96
SC-10217-C	THORIUM-230	1.29	0.14	0.72	PCI/G	*		EML TH-01	SOIL	RADIOCHEMICAL	1.00	WSC4471		WP0196.0	11/18/96	0000025750	11/12/96
SC-10217-S	AROCLOR-1248	ND		42	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	12789015	U	QT2040.0	11/15/96	0000025751	11/12/96
SC-10217-S	AROCLOR-1254	ND		42	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	12789015	U	QT2040.0	11/15/96	0000025751	11/12/96
SC-10217-S	AROCLOR-1260	ND		42	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	12789015	U	QT2040.0	11/15/96	0000025751	11/12/96
SC-10217-S	THORIUM-230	1.15	0.13	0.72	PCI/G	*		EML TH-01	SOIL	RADIOCHEMICAL	1.00	WSC4472		WP0196.0	11/17/96	0000025751	11/12/96
SC-10217-S	URANIUM-238	ND		4.18	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC4472		WP0196.0	11/13/96	0000025751	11/12/96
SC-10218-C	AROCLOR-1248	ND		42	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	12789016	U	QT2040.0	11/15/96	0000025752	11/12/96
SC-10218-C	AROCLOR-1254	ND		42	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	12789016	U	QT2040.0	11/15/96	0000025752	11/12/96
SC-10218-C	AROCLOR-1260	ND		42	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	12789016	U	QT2040.0	11/15/96	0000025752	11/12/96
SC-10218-C	THORIUM-230	1.43	0.16	0.72	PCI/G	*		EML TH-01	SOIL	RADIOCHEMICAL	1.00	WSC4473		WP0196.0	11/17/96	0000025752	11/12/96
SC-10218-S	AROCLOR-1248	ND		43	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	12789017	U	QT2040.0	11/15/96	0000025753	11/12/96
SC-10218-S	AROCLOR-1254	ND		43	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	12789017	U	QT2040.0	11/15/96	0000025753	11/12/96
SC-10218-S	AROCLOR-1260	ND		43	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	12789017	U	QT2040.0	11/15/96	0000025753	11/12/96
SC-10218-S	THORIUM-230	1.15	0.12	0.72	PCI/G	*		EML TH-01	SOIL	RADIOCHEMICAL	1.00	WSC4474		WP0196.0	11/17/96	0000025753	11/12/96
SC-10218-S	URANIUM-238	ND		3.95	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC4474		WP0196.0	11/14/96	0000025753	11/12/96
SC-10219-S	URANIUM-238	ND		2.99	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC4475		WP0196.0	11/14/96	0000025754	11/12/96
SC-10220-S	URANIUM-238	ND		3.89	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC4476		WP0196.0	11/14/96	0000025755	11/12/96
SC-10221-S	RADIUM-226	1.52	0.14	0.44	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC3984		WP0153.0	11/11/96	0000025756	10/1/96
SC-10221-S	RADIUM-228	1.07	0.17	0.49	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC3984		WP0153.0	11/11/96	0000025756	10/1/96
SC-10221-S	URANIUM-238	ND		4.12	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC3984		WP0153.0	11/11/96	0000025756	10/1/96
SC-10222-S	AROCLOR-1248	ND		42	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	12352016	U	QT2001.0	10/3/96	0000025757	10/1/96
SC-10222-S	AROCLOR-1254	ND		42	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	12352016	U	QT2001.0	10/3/96	0000025757	10/1/96

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WSSRAP ID	PARAMETER	CONC	ERR	DL	UNITS	VAL QUAL	COMMENTS	METHOD	MATRIX	CATEGORY	DIL FACT	LAB ID	LAB QUAL	LAB REQU	DATE ANA	SAMPLINK	DATE SAMPLED
SC-10222-S	AROCLOR-1260	ND		42	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	12352018	U	QT2001.0	10/3/96	0000025757	10/1/96
SC-10222-S	RADIUM-226	1.56	0.10	0.25	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC3985		WP0153.0	11/11/96	0000025757	10/1/96
SC-10222-S	RADIUM-228	1.80	0.17	0.46	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC3985		WP0153.0	11/11/96	0000025757	10/1/96
SC-10222-S	THORIUM-230	1.38	0.17	0.72	PCI/G	*		EML TH-01	SOIL	RADIOCHEMICAL	1.00	WSC3985		WP0153.0	10/4/96	0000025757	10/1/96
SC-10222-S	URANIUM-238	(2.42)	0.75	2.74	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC3985		WP0153.0	11/11/96	0000025757	10/1/96
SC-10223-S	AROCLOR-1248	ND		37	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	12352019	U	QT2001.0	10/3/96	0000025758	10/1/96
SC-10223-S	AROCLOR-1254	ND		37	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	12352019	U	QT2001.0	10/3/96	0000025758	10/1/96
SC-10223-S	AROCLOR-1260	ND		37	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	12352019	U	QT2001.0	10/3/96	0000025758	10/1/96
SC-10223-S	THORIUM-230	1.35	0.15	0.72	PCI/G	*		EML TH-01	SOIL	RADIOCHEMICAL	1.00	WSC3986		WP0153.0	10/4/96	0000025758	10/1/96
SC-10223-S	URANIUM-238	ND		4.38	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC3986		WP0153.0	10/8/96	0000025758	10/1/96
SC-10224-S	URANIUM-238	ND		3.94	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC3987		WP0153.0	10/3/96	0000025759	10/1/96
SC-10225-S	URANIUM-238	ND		3.91	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC4270		WP0168.0	10/15/96	0000025760	10/11/96
SC-10301-S	URANIUM-238	ND		3.82	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC4330		WP0178.0	10/29/96	0000025761	10/25/96
SC-10302-S	URANIUM-238	9.66	1.69	4.70	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC4331		WP0178.0	10/29/96	0000025762	10/25/96
SC-10303-S	URANIUM-238	3.04	0.74	2.66	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC4332		WP0178.0	10/29/96	0000025763	10/25/96
SC-10304-C	BENZENE	ND		1.3	UG/KG	*		EPA 8020	SOIL	VOLATILES	1.00	12656001	U	QT2027.0	11/1/96	0000031620	10/30/96
SC-10304-C	TOLUENE	ND		1.3	UG/KG	*		EPA 8020	SOIL	VOLATILES	1.00	12656001	U	QT2027.0	11/1/96	0000031620	10/30/96
SC-10304-S	URANIUM-238	ND		4.03	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC4333		WP0178.0	10/29/96	0000025764	10/25/96
SC-10305-S	URANIUM-238	ND		3.48	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC4334		WP0178.0	10/29/96	0000025765	10/25/96
SC-10306-S	URANIUM-238	ND		3.13	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC4335		WP0178.0	10/29/96	0000025766	10/25/96
SC-10307-S	URANIUM-238	ND		4.30	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC4336		WP0178.0	10/29/96	0000025767	10/25/96
SC-10308-S	URANIUM-238	ND		4.31	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC4337		WP0178.0	10/29/96	0000025768	10/25/96
SC-10309-S	URANIUM-238	ND		3.89	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC4339		WP0178.0	10/29/96	0000025769	10/25/96
SC-10310-S	URANIUM-238	ND		3.10	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC4340		WP0178.0	10/29/96	0000025770	10/25/96
SC-10311-S	AROCLOR-1248	670		42	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	12636001		QT2025.0	11/1/96	0000025771	10/29/96
SC-10311-S	AROCLOR-1254	ND		42	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	12636001	U	QT2025.0	11/1/96	0000025771	10/29/96
SC-10311-S	AROCLOR-1260	63		42	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	12636001		QT2025.0	11/1/96	0000025771	10/29/96
SC-10311-S	CHROMIUM	13.7		0.38	UG/G	*		EPA CLP	SOIL	METALS	1.00	12636001		QT2025.0	10/30/96	0000025771	10/29/96
SC-10311-S	LEAD	6.9		0.20	UG/G	*		EPA CLP	SOIL	METALS	1.00	12636001		QT2025.0	10/30/96	0000025771	10/29/96
SC-10311-S	RADIUM-226	1.47	0.10	0.23	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC4349		WP0182.0	12/6/96	0000025771	10/29/96
SC-10311-S	RADIUM-228	1.14	0.14	0.51	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC4349		WP0182.0	12/6/96	0000025771	10/29/96
SC-10311-S	THORIUM-230	1.06	0.22	0.72	PCI/G	*		EML TH-01	SOIL	RADIOCHEMICAL	1.00	WSC4349		WP0182.0	11/1/96	0000025771	10/29/96
SC-10311-S	URANIUM-238	ND		3.07	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC4349		WP0182.0	12/6/96	0000025771	10/29/96
SC-10312-S	AROCLOR-1248	ND		42	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	12636002	U	QT2025.0	10/31/96	0000025772	10/29/96
SC-10312-S	AROCLOR-1254	ND		42	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	12636002	U	QT2025.0	10/31/96	0000025772	10/29/96
SC-10312-S	AROCLOR-1260	ND		42	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	12636002	U	QT2025.0	10/31/96	0000025772	10/29/96
SC-10312-S	CHROMIUM	19.4		0.38	UG/G	*		EPA CLP	SOIL	METALS	1.00	12636002		QT2025.0	10/30/96	0000025772	10/29/96
SC-10312-S	LEAD	9.2		0.20	UG/G	*		EPA CLP	SOIL	METALS	1.00	12636002		QT2025.0	10/30/96	0000025772	10/29/96
SC-10312-S	RADIUM-226	1.46	0.13	0.39	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC4350		WP0182.0	12/6/96	0000025772	10/29/96
SC-10312-S	RADIUM-228	1.16	0.16	0.52	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC4350		WP0182.0	12/6/96	0000025772	10/29/96
SC-10312-S	THORIUM-230	1.60	0.32	0.72	PCI/G	*		EML TH-01	SOIL	RADIOCHEMICAL	1.00	WSC4350		WP0182.0	11/1/96	0000025772	10/29/96
SC-10312-S	URANIUM-238	ND		4.42	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC4350		WP0182.0	12/6/96	0000025772	10/29/96
SC-10313-S	AROCLOR-1248	ND		44	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	12636003	U	QT2025.0	10/31/96	0000025773	10/29/96
SC-10313-S	AROCLOR-1254	ND		44	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	12636003	U	QT2025.0	10/31/96	0000025773	10/29/96
SC-10313-S	AROCLOR-1260	ND		44	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	12636003	U	QT2025.0	10/31/96	0000025773	10/29/96
SC-10313-S	CHROMIUM	17.4		0.40	UG/G	*		EPA CLP	SOIL	METALS	1.00	12636003		QT2025.0	10/30/96	0000025773	10/29/96
SC-10313-S	LEAD	11.9		0.21	UG/G	*		EPA CLP	SOIL	METALS	1.00	12636003		QT2025.0	10/30/96	0000025773	10/29/96
SC-10313-S	RADIUM-226	1.31	0.13	0.39	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC4351		WP0182.0	12/6/96	0000025773	10/29/96
SC-10313-S	RADIUM-228	1.47	0.20	0.49	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC4351		WP0182.0	12/6/96	0000025773	10/29/96
SC-10313-S	THORIUM-230	0.76	0.13	0.72	PCI/G	*		EML TH-01	SOIL	RADIOCHEMICAL	1.00	WSC4351		WP0182.0	11/1/96	0000025773	10/29/96
SC-10313-S	URANIUM-238	ND		4.05	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC4351		WP0182.0	12/6/96	0000025773	10/29/96

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WSSRAP ID	PARAMETER	CONC	ERR	DL	UNITS	VAL QUAL	COMMENTS	METHOD	MATRIX	CATEGORY	DIL FACT	LAB ID	LAB QUAL	LAB REQU	DATE ANA	SAMPLINK	DATE SAMPLED
SC-10314-S	AROCLOR-1248	64		41	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	12636004		QT2025.0	11/1/96	0000025774	10/29/96
SC-10314-S	AROCLOR-1254	ND		41	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	12636004	U	QT2025.0	11/1/96	0000025774	10/29/96
SC-10314-S	AROCLOR-1260	ND		41	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	12636004	U	QT2025.0	11/1/96	0000025774	10/29/96
SC-10314-S	CHROMIUM	16.5		0.33	UG/G	*		EPA CLP	SOIL	METALS	1.00	12636004		QT2025.0	10/30/96	0000025774	10/29/96
SC-10314-S	LEAD	11.1		0.20	UG/G	*		EPA CLP	SOIL	METALS	1.00	12636004		QT2025.0	10/30/96	0000025774	10/29/96
SC-10314-S	RADIUM-226	1.40	0.14	0.45	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC4352		WP0182.0	12/6/96	0000025774	10/29/96
SC-10314-S	RADIUM-228	1.25	0.17	0.59	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC4352		WP0182.0	12/6/96	0000025774	10/29/96
SC-10314-S	THORIUM-230	1.22	0.21	0.72	PCI/G	*		EML TH-01	SOIL	RADIOCHEMICAL	1.00	WSC4352		WP0182.0	11/1/96	0000025774	10/29/96
SC-10314-S	URANIUM-238	ND		3.92	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC4352		WP0182.0	12/6/96	0000025774	10/29/96
SC-10315-S	AROCLOR-1248	430		43	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	12636005		QT2025.0	11/1/96	0000025775	10/29/96
SC-10315-S	AROCLOR-1254	ND		43	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	12636005	U	QT2025.0	11/1/96	0000025775	10/29/96
SC-10315-S	AROCLOR-1260	49		43	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	12636005		QT2025.0	11/1/96	0000025775	10/29/96
SC-10315-S	CHROMIUM	16.4		0.39	UG/G	*		EPA CLP	SOIL	METALS	1.00	12636005		QT2025.0	10/30/96	0000025775	10/29/96
SC-10315-S	LEAD	33.8		0.21	UG/G	*		EPA CLP	SOIL	METALS	1.00	12636005		QT2025.0	10/30/96	0000025775	10/29/96
SC-10315-S	RADIUM-226	1.48	0.10	0.31	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC4353		WP0182.0	12/6/96	0000025775	10/29/96
SC-10315-S	RADIUM-228	1.22	0.18	0.31	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC4353		WP0182.0	12/6/96	0000025775	10/29/96
SC-10315-S	THORIUM-230	0.74	0.11	0.72	PCI/G	*		EML TH-01	SOIL	RADIOCHEMICAL	1.00	WSC4353		WP0182.0	11/1/96	0000025775	10/29/96
SC-10315-S	URANIUM-238	ND		3.18	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC4353		WP0182.0	12/6/96	0000025775	10/29/96
SC-10316-S	URANIUM-238	ND		4.45	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC4341		WP0178.0	10/29/96	0000025776	10/25/96
SC-10317-S	URANIUM-238	4.08	0.76	2.14	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC4342		WP0178.0	10/29/96	0000025777	10/25/96
SC-10318-S	URANIUM-238	4.18	0.86	3.15	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC4343		WP0178.0	10/29/96	0000025778	10/25/96
SC-10319-S	URANIUM-238	ND		4.21	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC4344		WP0178.0	10/29/96	0000025779	10/25/96
SC-10320-S	URANIUM-238	2.47	0.59	1.90	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC4345		WP0178.0	10/29/96	0000025780	10/25/96
SC-10321-S	URANIUM-238	ND		3.54	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC4271		WP0166.0	10/15/96	0000025781	10/11/96
SC-10322-S	URANIUM-238	ND		3.79	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC4272		WP0166.0	10/14/96	0000025782	10/11/96
SC-10323-S	URANIUM-238	4.87	0.86	2.16	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC4273		WP0166.0	10/14/96	0000025783	10/11/96
SC-10324-S	URANIUM-238	ND		3.12	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC4244		WP0166.0	10/15/96	0000025784	10/10/96
SC-10325-S	URANIUM-238	ND		3.92	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC4245		WP0166.0	10/15/96	0000025785	10/10/96
SC-10401-S	AROCLOR-1248	ND		38	UG/KG	U		EPA 8080A	SOIL	PEST/PCBS	1.00	12434017	U	QT2011.0	10/12/96	0000025786	10/8/96
SC-10401-S	AROCLOR-1254	69		38	UG/KG	A		EPA 8080A	SOIL	PEST/PCBS	1.00	12434017		QT2011.0	10/12/96	0000025786	10/8/96
SC-10401-S	AROCLOR-1260	ND		38	UG/KG	U		EPA 8080A	SOIL	PEST/PCBS	1.00	12434017	U	QT2011.0	10/12/96	0000025786	10/8/96
SC-10401-S	RADIUM-226	1.70	0.14	0.32	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC4153		WP0160.0	11/18/96	0000025786	10/8/96
SC-10401-S	RADIUM-228	2.26	0.22	0.73	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC4153		WP0160.0	11/18/96	0000025786	10/8/96
SC-10401-S	THORIUM-230	1.24	0.16	0.72	PCI/G	*		EML TH-01	SOIL	RADIOCHEMICAL	1.00	WSC4153		WP0160.0	10/15/96	0000025786	10/8/96
SC-10401-S	URANIUM-238	12.9	2.17	5.33	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC4153		WP0160.0	11/18/96	0000025786	10/8/96
SC-10401-U	AROCLOR-1248	ND		37	UG/KG	U		EPA 8080A	SOIL	PEST/PCBS	1.00	12434015	U	QT2011.0	10/11/96	0000030634	10/8/96
SC-10401-U	AROCLOR-1254	ND		37	UG/KG	U		EPA 8080A	SOIL	PEST/PCBS	1.00	12434015	U	QT2011.0	10/11/96	0000030634	10/8/96
SC-10401-U	AROCLOR-1260	ND		37	UG/KG	U		EPA 8080A	SOIL	PEST/PCBS	1.00	12434015	U	QT2011.0	10/11/96	0000030634	10/8/96
SC-10401-U	CHROMIUM	21.3		0.34	UG/G	A		EPA CLP	SOIL	METALS	1.00	12434015		QT2011.0	10/9/96	0000030634	10/8/96
SC-10401-U	LEAD	14.2		0.18	UG/G	A		EPA CLP	SOIL	METALS	1.00	12434015		QT2011.0	10/9/96	0000030634	10/8/96
SC-10401-U	RADIUM-226	1.42	0.13	0.38	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC4154		WP0160.0	11/18/96	0000030634	10/8/96
SC-10401-U	RADIUM-228	1.16	0.19	0.51	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC4154		WP0160.0	11/18/96	0000030634	10/8/96
SC-10401-U	THORIUM-230	0.82	0.11	0.72	PCI/G	*		EML TH-01	SOIL	RADIOCHEMICAL	1.00	WSC4154		WP0160.0	10/15/96	0000030634	10/8/96
SC-10401-U	URANIUM-238	ND		4.11	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC4154		WP0160.0	11/18/96	0000030634	10/8/96
SC-10402-S	AROCLOR-1248	ND		39	UG/KG	U		EPA 8080A	SOIL	PEST/PCBS	1.00	12434018	U	QT2011.0	10/12/96	0000025788	10/8/96
SC-10402-S	AROCLOR-1254	ND		39	UG/KG	U		EPA 8080A	SOIL	PEST/PCBS	1.00	12434018	U	QT2011.0	10/12/96	0000025788	10/8/96
SC-10402-S	AROCLOR-1260	ND		39	UG/KG	U		EPA 8080A	SOIL	PEST/PCBS	1.00	12434018	U	QT2011.0	10/12/96	0000025788	10/8/96
SC-10402-S	RADIUM-226	1.58	0.10	0.27	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC4155		WP0160.0	11/18/96	0000025788	10/8/96
SC-10402-S	RADIUM-228	1.41	0.13	0.37	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC4155		WP0160.0	11/18/96	0000025788	10/8/96
SC-10402-S	THORIUM-230	0.80	0.11	0.72	PCI/G	*		EML TH-01	SOIL	RADIOCHEMICAL	1.00	WSC4155		WP0160.0	10/15/96	0000025788	10/8/96
SC-10402-S	URANIUM-238	ND		3.27	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC4155		WP0160.0	11/18/96	0000025788	10/8/96

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WSSRAP ID	PARAMETER	CONC	ERR	DL	UNITS	VAL QUAL	COMMENTS	METHOD	MATRIX	CATEGORY	DIL FACT	LAB ID	LAB QUAL	LAB REQU	DATE ANA	SAMPLINK	DATE SAMPLED
SC-10402-U	AROCLOR-1248	ND		41	UG/KG	U		EPA 8080A	SOIL	PEST/PCBS	1.00	12434016	U	QT2011.0	10/11/96	0000030635	10/8/96
SC-10402-U	AROCLOR-1254	ND		41	UG/KG	U		EPA 8080A	SOIL	PEST/PCBS	1.00	12434016	U	QT2011.0	10/11/96	0000030635	10/8/96
SC-10402-U	AROCLOR-1260	ND		41	UG/KG	U		EPA 8080A	SOIL	PEST/PCBS	1.00	12434016	U	QT2011.0	10/11/96	0000030635	10/8/96
SC-10402-U	CHROMIUM	19.1		0.37	UG/G	A		EPA CLP	SOIL	METALS	1.00	12434016		QT2011.0	10/9/96	0000030635	10/8/96
SC-10402-U	LEAD	52.7		0.20	UG/G	A		EPA CLP	SOIL	METALS	1.00	12434016		QT2011.0	10/9/96	0000030635	10/8/96
SC-10402-U	RADIUM-226	1.11	0.09	0.28	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC4156		WP0160.0	11/18/96	0000030635	10/8/96
SC-10402-U	RADIUM-228	1.18	0.12	0.38	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC4156		WP0160.0	11/18/96	0000030635	10/8/96
SC-10402-U	THORIUM-230	0.85	0.12	0.72	PCI/G	*		EML TH-01	SOIL	RADIOCHEMICAL	1.00	WSC4156		WP0160.0	10/15/96	0000030635	10/8/96
SC-10402-U	URANIUM-238	ND		3.25	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC4156		WP0160.0	11/18/96	0000030635	10/8/96
SC-10403-C	AROCLOR-1248	ND		41	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	12435001	U	QT2012.0	10/12/96	0000025789	10/8/96
SC-10403-C	AROCLOR-1254	ND		41	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	12435001	U	QT2012.0	10/12/96	0000025789	10/8/96
SC-10403-C	AROCLOR-1260	ND		41	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	12435001	U	QT2012.0	10/12/96	0000025789	10/8/96
SC-10403-C	RADIUM-226	1.38	0.10	0.31	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC4157		WP0160.0	11/18/96	0000025789	10/8/96
SC-10403-C	RADIUM-228	1.14	0.12	0.44	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC4157		WP0160.0	11/18/96	0000025789	10/8/96
SC-10403-C	THORIUM-230	0.91	0.12	0.72	PCI/G	A		EML TH-01	SOIL	RADIOCHEMICAL	1.00	WSC4157		WP0160.0	10/15/96	0000025789	10/8/96
SC-10403-C	URANIUM-238	ND		3.06	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC4157		WP0160.0	11/18/96	0000025789	10/8/96
SC-10403-S	AROCLOR-1248	ND		40	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	12435003	U	QT2012.0	10/12/96	0000025790	10/8/96
SC-10403-S	AROCLOR-1254	ND		40	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	12435003	U	QT2012.0	10/12/96	0000025790	10/8/96
SC-10403-S	AROCLOR-1260	ND		40	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1	12435003	U	QT2012.0	35350	0000025790	35346
SC-10403-S	RADIUM-226	1.58	0.13	0.34	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC4159		WP0160.0	11/18/96	0000025790	10/8/96
SC-10403-S	RADIUM-228	1.32	0.19	0.82	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC4159		WP0160.0	11/18/96	0000025790	10/8/96
SC-10403-S	THORIUM-230	0.99	0.15	0.72	PCI/G	*		EML TH-01	SOIL	RADIOCHEMICAL	1.00	WSC4159		WP0160.0	10/15/96	0000025790	10/8/96
SC-10403-S	URANIUM-238	ND		3.95	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC4159		WP0160.0	11/18/96	0000025790	10/8/96
SC-10404-S	AROCLOR-1248	ND		38	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	12435004	U	QT2012.0	10/12/96	0000025791	10/8/96
SC-10404-S	AROCLOR-1254	ND		38	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	12435004	U	QT2012.0	10/12/96	0000025791	10/8/96
SC-10404-S	AROCLOR-1260	ND		38	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	12435004	U	QT2012.0	10/12/96	0000025791	10/8/96
SC-10404-S	RADIUM-226	0.92	0.12	0.52	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC4160		WP0160.0	11/18/96	0000025791	10/8/96
SC-10404-S	RADIUM-228	ND		1.23	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC4160		WP0160.0	11/18/96	0000025791	10/8/96
SC-10404-S	THORIUM-230	0.98	0.13	0.72	PCI/G	*		EML TH-01	SOIL	RADIOCHEMICAL	1.00	WSC4160		WP0160.0	10/15/96	0000025791	10/8/96
SC-10404-S	URANIUM-238	ND		4.26	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC4160		WP0160.0	11/18/96	0000025791	10/8/96
SC-10405-S	AROCLOR-1248	ND		43	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	12435005	U	QT2012.0	10/12/96	0000025792	10/8/96
SC-10405-S	AROCLOR-1254	ND		43	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	12435005	U	QT2012.0	10/12/96	0000025792	10/8/96
SC-10405-S	AROCLOR-1260	ND		43	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	12435005	U	QT2012.0	10/12/96	0000025792	10/8/96
SC-10405-S	RADIUM-226	1.31	0.12	0.37	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC4161		WP0160.0	11/19/96	0000025792	10/8/96
SC-10405-S	RADIUM-228	1.22	0.17	0.47	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC4161		WP0160.0	11/19/96	0000025792	10/8/96
SC-10405-S	THORIUM-230	0.89	0.10	0.72	PCI/G	*		EML TH-01	SOIL	RADIOCHEMICAL	1.00	WSC4161		WP0160.0	10/15/96	0000025792	10/8/96
SC-10405-S	URANIUM-238	ND		3.94	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC4161		WP0160.0	11/19/96	0000025792	10/8/96
SC-10406-S	AROCLOR-1248	ND		38	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	12435006	U	QT2012.0	10/12/96	0000025793	10/8/96
SC-10406-S	AROCLOR-1254	ND		38	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	12435006	U	QT2012.0	10/12/96	0000025793	10/8/96
SC-10406-S	AROCLOR-1260	ND		38	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	12435006	U	QT2012.0	10/12/96	0000025793	10/8/96
SC-10406-S	RADIUM-226	1.29	0.10	0.35	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC4162		WP0160.0	11/19/96	0000025793	10/8/96
SC-10406-S	RADIUM-228	1.29	0.14	0.48	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC4162		WP0160.0	11/19/96	0000025793	10/8/96
SC-10406-S	THORIUM-230	1.03	0.12	0.72	PCI/G	*		EML TH-01	SOIL	RADIOCHEMICAL	1.00	WSC4162		WP0160.0	10/15/96	0000025793	10/8/96
SC-10406-S	URANIUM-238	ND		3.19	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC4162		WP0160.0	11/19/96	0000025793	10/8/96
SC-10407-S	AROCLOR-1248	ND		39	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	12435007	U	QT2012.0	10/12/96	0000025794	10/8/96
SC-10407-S	AROCLOR-1254	ND		39	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	12435007	U	QT2012.0	10/12/96	0000025794	10/8/96
SC-10407-S	AROCLOR-1260	ND		39	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	12435007	U	QT2012.0	10/12/96	0000025794	10/8/96
SC-10407-S	RADIUM-226	1.44	0.13	0.42	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC4163		WP0161.0	11/19/96	0000025794	10/8/96
SC-10407-S	RADIUM-228	1.34	0.18	0.56	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC4163		WP0161.0	11/19/96	0000025794	10/8/96
SC-10407-S	THORIUM-230	0.81	0.17	0.72	PCI/G	*		EML TH-01	SOIL	RADIOCHEMICAL	1.00	WSC4163		WP0161.0	10/15/96	0000025794	10/8/96
SC-10407-S	URANIUM-238	ND		4.03	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC4163		WP0161.0	11/19/96	0000025794	10/8/96

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WSSRAP ID	PARAMETER	CONC	ERR	DL	UNITS	VAL QUAL	COMMENTS	METHOD	MATRIX	CATEGORY	DIL FACT	LAB ID	LAB QUAL	LAB REQU	DATE ANA	SAMPLINK	DATE SAMPLED
SC-10408-S	AROCLOR-1248	ND		40	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	12435008	U	QT2012.0	10/12/96	0000025795	10/8/96
SC-10408-S	AROCLOR-1254	ND		40	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	12435008	U	QT2012.0	10/12/96	0000025795	10/8/96
SC-10408-S	AROCLOR-1260	ND		40	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	12435008	U	QT2012.0	10/12/96	0000025795	10/8/96
SC-10408-S	RADIUM-226	1.45	0.10	0.29	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC4164		WP0161.0	11/19/96	0000025795	10/8/96
SC-10408-S	RADIUM-228	1.05	0.12	0.40	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC4164		WP0161.0	11/19/96	0000025795	10/8/96
SC-10408-S	THORIUM-230	1.07	0.18	0.72	PCI/G	*		EML TH-01	SOIL	RADIOCHEMICAL	1.00	WSC4164		WP0161.0	10/15/96	0000025795	10/8/96
SC-10408-S	URANIUM-238	ND		3.04	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC4164		WP0161.0	11/19/96	0000025795	10/8/96
SC-10409-S	AROCLOR-1248	ND		40	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	12435009	U	QT2012.0	10/12/96	0000025796	10/8/96
SC-10409-S	AROCLOR-1254	ND		40	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	12435009	U	QT2012.0	10/12/96	0000025796	10/8/96
SC-10409-S	AROCLOR-1260	ND		40	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	12435009	U	QT2012.0	10/12/96	0000025796	10/8/96
SC-10409-S	RADIUM-226	1.37	0.13	0.28	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC4165		WP0161.0	11/19/96	0000025796	10/8/96
SC-10409-S	RADIUM-228	1.22	0.15	0.28	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC4165		WP0161.0	11/19/96	0000025796	10/8/96
SC-10409-S	THORIUM-230	0.91	0.17	0.72	PCI/G	*		EML TH-01	SOIL	RADIOCHEMICAL	1.00	WSC4165		WP0161.0	10/15/96	0000025796	10/8/96
SC-10409-S	URANIUM-238	5.68	1.37	3.43	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC4165		WP0161.0	11/19/96	0000025796	10/8/96
SC-10410-S	AROCLOR-1248	ND		39	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	12435010	U	QT2012.0	10/12/96	0000025797	10/8/96
SC-10410-S	AROCLOR-1254	ND		39	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	12435010	U	QT2012.0	10/12/96	0000025797	10/8/96
SC-10410-S	AROCLOR-1260	ND		39	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	12435010	U	QT2012.0	10/12/96	0000025797	10/8/96
SC-10410-S	RADIUM-226	1.17	0.09	0.32	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC4166		WP0161.0	11/19/96	0000025797	10/8/96
SC-10410-S	RADIUM-228	1.39	0.14	0.53	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC4166		WP0161.0	11/19/96	0000025797	10/8/96
SC-10410-S	THORIUM-230	0.80	0.13	0.72	PCI/G	*		EML TH-01	SOIL	RADIOCHEMICAL	1.00	WSC4166		WP0161.0	10/15/96	0000025797	10/8/96
SC-10410-S	URANIUM-238	ND		3.03	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC4166		WP0161.0	11/19/96	0000025797	10/8/96
SC-10411-S	AROCLOR-1248	ND		44	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	12435011	U	QT2012.0	10/13/96	0000025798	10/8/96
SC-10411-S	AROCLOR-1254	48		44	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	12435011		QT2012.0	10/13/96	0000025798	10/8/96
SC-10411-S	AROCLOR-1260	ND		44	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	12435011	U	QT2012.0	10/13/96	0000025798	10/8/96
SC-10411-S	RADIUM-226	1.27	0.12	0.41	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC4167		WP0161.0	11/19/96	0000025798	10/8/96
SC-10411-S	RADIUM-228	ND		1.38	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC4167		WP0161.0	11/19/96	0000025798	10/8/96
SC-10411-S	THORIUM-230	0.94	0.16	0.72	PCI/G	*		EML TH-01	SOIL	RADIOCHEMICAL	1.00	WSC4167		WP0161.0	10/15/96	0000025798	10/8/96
SC-10411-S	URANIUM-238	ND		3.89	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC4167		WP0161.0	11/19/96	0000025798	10/8/96
SC-10412-S	AROCLOR-1248	ND		44	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	12435012	U	QT2012.0	10/12/96	0000025799	10/8/96
SC-10412-S	AROCLOR-1254	ND		44	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	12435012	U	QT2012.0	10/12/96	0000025799	10/8/96
SC-10412-S	AROCLOR-1260	ND		44	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	12435012	U	QT2012.0	10/12/96	0000025799	10/8/96
SC-10412-S	RADIUM-226	1.44	0.10	0.28	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC4168		WP0161.0	11/19/96	0000025799	10/8/96
SC-10412-S	RADIUM-228	1.18	0.13	0.42	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC4168		WP0161.0	11/19/96	0000025799	10/8/96
SC-10412-S	THORIUM-230	0.91	0.17	0.72	PCI/G	*		EML TH-01	SOIL	RADIOCHEMICAL	1.00	WSC4168		WP0161.0	10/15/96	0000025799	10/8/96
SC-10412-S	URANIUM-238	ND		3.91	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC4168		WP0161.0	11/19/96	0000025799	10/8/96
SC-10413-S	AROCLOR-1248	ND		43	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	12435013	U	QT2012.0	10/13/96	0000025800	10/8/96
SC-10413-S	AROCLOR-1254	ND		43	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	12435013	U	QT2012.0	10/13/96	0000025800	10/8/96
SC-10413-S	AROCLOR-1260	ND		43	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	12435013	U	QT2012.0	10/13/96	0000025800	10/8/96
SC-10413-S	RADIUM-226	1.22	0.13	0.44	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC4169		WP0161.0	11/19/96	0000025800	10/8/96
SC-10413-S	RADIUM-228	1.81	0.19	0.47	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC4169		WP0161.0	11/19/96	0000025800	10/8/96
SC-10413-S	THORIUM-230	0.92	0.15	0.72	PCI/G	*		EML TH-01	SOIL	RADIOCHEMICAL	1.00	WSC4169		WP0161.0	10/15/96	0000025800	10/8/96
SC-10413-S	URANIUM-238	ND		4.10	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC4169		WP0161.0	11/19/96	0000025800	10/8/96
SC-10414-S	AROCLOR-1248	ND		39	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	12435014	U	QT2012.0	10/12/96	0000025801	10/8/96
SC-10414-S	AROCLOR-1254	ND		39	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	12435014	U	QT2012.0	10/12/96	0000025801	10/8/96
SC-10414-S	AROCLOR-1260	ND		39	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	12435014	U	QT2012.0	10/12/96	0000025801	10/8/96
SC-10414-S	RADIUM-226	1.25	0.09	0.26	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC4170		WP0161.0	11/19/96	0000025801	10/8/96
SC-10414-S	RADIUM-228	1.44	0.14	0.38	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC4170		WP0161.0	11/19/96	0000025801	10/8/96
SC-10414-S	THORIUM-230	1.05	0.21	0.72	PCI/G	*		EML TH-01	SOIL	RADIOCHEMICAL	1.00	WSC4170		WP0161.0	10/15/96	0000025801	10/8/96
SC-10414-S	URANIUM-238	ND		3.08	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC4170		WP0161.0	11/19/96	0000025801	10/8/96
SC-10415-S	AROCLOR-1248	ND		40	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	12435015	U	QT2012.0	10/12/96	0000025802	10/8/96
SC-10415-S	AROCLOR-1254	ND		40	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	12435015	U	QT2012.0	10/12/96	0000025802	10/8/96

APPENDIX D TABLE D-1

WSSRAP ID	PARAMETER	CONC	ERR	DL	UNITS	VAL QUAL	COMMENTS	METHOD	MATRIX	CATEGORY	DIL FACT	LAB ID	LAB QUAL	LAB REQU	DATE ANA	SAMPLINK	DATE SAMPLED
SC-10415-S	AROCLOR-1260	ND		40	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	12435015	U	QT2012.0	10/12/96	0000025802	10/8/96
SC-10415-S	RADIUM-226	1.17	0.12	0.27	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC4171		WP0161.0	11/19/96	0000025802	10/8/96
SC-10415-S	RADIUM-228	1.31	0.18	0.67	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC4171		WP0161.0	11/19/96	0000025802	10/8/96
SC-10415-S	THORIUM-230	0.96	0.15	0.72	PCI/G	*		EML TH-01	SOIL	RADIOCHEMICAL	1.00	WSC4171		WP0161.0	10/15/96	0000025802	10/8/96
SC-10415-S	URANIUM-238	ND		4.10	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC4171		WP0161.0	11/19/96	0000025802	10/8/96
SC-10416-S	AROCLOR-1248	ND		43	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	12435016	U	QT2012.0	10/12/96	0000025803	10/8/96
SC-10416-S	AROCLOR-1254	ND		43	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	12435016	U	QT2012.0	10/12/96	0000025803	10/8/96
SC-10416-S	AROCLOR-1260	ND		43	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	12435016	U	QT2012.0	10/12/96	0000025803	10/8/96
SC-10416-S	RADIUM-226	1.44	0.10	0.26	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC4172		WP0161.0	11/19/96	0000025803	10/8/96
SC-10416-S	RADIUM-228	1.29	0.12	0.24	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC4172		WP0161.0	11/19/96	0000025803	10/8/96
SC-10416-S	THORIUM-230	1.06	0.15	0.72	PCI/G	*		EML TH-01	SOIL	RADIOCHEMICAL	1.00	WSC4172		WP0161.0	10/15/96	0000025803	10/8/96
SC-10416-S	URANIUM-238	ND		3.22	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC4172		WP0161.0	11/19/96	0000025803	10/8/96
SC-10417-S	AROCLOR-1248	ND		40	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	12435017	U	QT2012.0	10/12/96	0000025804	10/8/96
SC-10417-S	AROCLOR-1254	ND		40	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	12435017	U	QT2012.0	10/12/96	0000025804	10/8/96
SC-10417-S	AROCLOR-1260	ND		40	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	12435017	U	QT2012.0	10/12/96	0000025804	10/8/96
SC-10417-S	RADIUM-226	1.11	0.11	0.28	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC4173		WP0161.0	11/19/96	0000025804	10/8/96
SC-10417-S	RADIUM-228	1.39	0.17	0.25	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC4173		WP0161.0	11/19/96	0000025804	10/8/96
SC-10417-S	THORIUM-230	0.80	0.13	0.72	PCI/G	*		EML TH-01	SOIL	RADIOCHEMICAL	1.00	WSC4173		WP0161.0	10/15/96	0000025804	10/8/96
SC-10417-S	URANIUM-238	ND		4.72	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC4173		WP0161.0	11/19/96	0000025804	10/8/96
SC-10418-C	AROCLOR-1248	ND		39	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	12435018	U	QT2012.0	10/12/96	0000025805	10/8/96
SC-10418-C	AROCLOR-1254	ND		39	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	12435018	U	QT2012.0	10/12/96	0000025805	10/8/96
SC-10418-C	AROCLOR-1260	ND		39	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	12435018	U	QT2012.0	10/12/96	0000025805	10/8/96
SC-10418-C	RADIUM-226	1.53	0.10	0.28	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC4174		WP0161.0	11/19/96	0000025805	10/8/96
SC-10418-C	RADIUM-228	1.07	0.13	0.44	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC4174		WP0161.0	11/19/96	0000025805	10/8/96
SC-10418-C	THORIUM-230	1.17	0.15	0.72	PCI/G	*		EML TH-01	SOIL	RADIOCHEMICAL	1.00	WSC4174		WP0161.0	10/16/96	0000025805	10/8/96
SC-10418-C	URANIUM-238	ND		3.17	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC4174		WP0161.0	11/19/96	0000025805	10/8/96
SC-10418-S	AROCLOR-1248	ND		40	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	12435019	U	QT2012.0	10/12/96	0000025806	10/8/96
SC-10418-S	AROCLOR-1254	ND		40	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	12435019	U	QT2012.0	10/12/96	0000025806	10/8/96
SC-10418-S	AROCLOR-1260	ND		40	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	12435019	U	QT2012.0	10/12/96	0000025806	10/8/96
SC-10418-S	RADIUM-226	0.98	0.12	0.33	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC4175		WP0161.0	11/19/96	0000025806	10/8/96
SC-10418-S	RADIUM-228	1.30	0.19	0.69	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC4175		WP0161.0	11/19/96	0000025806	10/8/96
SC-10418-S	THORIUM-230	(0.71)	0.08	0.72	PCI/G	*		EML TH-01	SOIL	RADIOCHEMICAL	1.00	WSC4175		WP0161.0	10/15/96	0000025806	10/8/96
SC-10418-S	URANIUM-238	ND		3.67	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC4175		WP0161.0	11/19/96	0000025806	10/8/96
SC-10419-S	AROCLOR-1248	ND		38	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	12435020	U	QT2012.0	10/12/96	0000025807	10/8/96
SC-10419-S	AROCLOR-1254	ND		38	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	12435020	U	QT2012.0	10/12/96	0000025807	10/8/96
SC-10419-S	AROCLOR-1260	ND		38	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	12435020	U	QT2012.0	10/12/96	0000025807	10/8/96
SC-10419-S	RADIUM-226	1.09	0.09	0.30	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC4176		WP0161.0	11/19/96	0000025807	10/8/96
SC-10419-S	RADIUM-228	1.40	0.14	0.43	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC4176		WP0161.0	11/19/96	0000025807	10/8/96
SC-10419-S	THORIUM-230	0.80	0.08	0.72	PCI/G	*		EML TH-01	SOIL	RADIOCHEMICAL	1.00	WSC4176		WP0161.0	10/16/96	0000025807	10/8/96
SC-10419-S	URANIUM-238	ND		3.10	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC4176		WP0161.0	11/19/96	0000025807	10/8/96
SC-10420-S	AROCLOR-1248	ND		38	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	12435021	U	QT2012.0	10/14/96	0000025808	10/8/96
SC-10420-S	AROCLOR-1254	ND		38	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	12435021	U	QT2012.0	10/14/96	0000025808	10/8/96
SC-10420-S	AROCLOR-1260	ND		38	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	12435021	U	QT2012.0	10/14/96	0000025808	10/8/96
SC-10420-S	RADIUM-226	1.31	0.12	0.34	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC4177		WP0161.0	11/19/96	0000025808	10/8/96
SC-10420-S	RADIUM-228	1.71	0.18	0.15	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC4177		WP0161.0	11/19/96	0000025808	10/8/96
SC-10420-S	THORIUM-230	1.02	0.13	0.72	PCI/G	*		EML TH-01	SOIL	RADIOCHEMICAL	1.00	WSC4177		WP0161.0	10/16/96	0000025808	10/8/96
SC-10420-S	URANIUM-238	ND		4.34	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC4177		WP0161.0	11/19/96	0000025808	10/8/96
SC-10421-C	AROCLOR-1248	ND		40	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	12435022	U	QT2012.0	10/14/96	0000025809	10/8/96
SC-10421-C	AROCLOR-1254	ND		40	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	12435022	U	QT2012.0	10/14/96	0000025809	10/8/96
SC-10421-C	AROCLOR-1260	ND		40	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	12435022	U	QT2012.0	10/14/96	0000025809	10/8/96
SC-10421-C	RADIUM-226	1.26	0.10	0.24	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC4178		WP0161.0	11/19/96	0000025809	10/8/96

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WSSRAP ID	PARAMETER	CONC	ERR	DL	UNITS	VAL QUAL	COMMENTS	METHOD	MATRIX	CATEGORY	DIL FACT	LAB ID	LAB QUAL	LAB REQU	DATE ANA	SAMPLINK	DATE SAMPLED
SC-10421-C	RADIUM-226	1.33	0.14	0.49	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC4178		WP0161.0	11/19/96	0000025809	10/8/96
SC-10421-C	THORIUM-230	0.85	0.09	0.72	PCI/G	J		EML TH-01	SOIL	RADIOCHEMICAL	1.00	WSC4178		WP0161.0	10/18/96	0000025809	10/8/96
SC-10421-C	URANIUM-238	4.83	0.92	2.57	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC4178		WP0161.0	11/19/96	0000025809	10/8/96
SC-10421-S	AROCLOR-1248	ND		37	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	12425012	U	QT2008.0	10/10/96	0000025810	10/7/96
SC-10421-S	AROCLOR-1254	220		37	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	12425012		QT2008.0	10/10/96	0000025810	10/7/96
SC-10421-S	AROCLOR-1260	ND		37	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	12425012	U	QT2008.0	10/10/96	0000025810	10/7/96
SC-10421-S	RADIUM-226	1.54	0.13	0.42	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC4114		WP0157.0	11/17/96	0000025810	10/7/96
SC-10421-S	RADIUM-228	1.83	0.18	0.44	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC4114		WP0157.0	11/17/96	0000025810	10/7/96
SC-10421-S	THORIUM-230	0.91	0.09	0.72	PCI/G	*		EML TH-01	SOIL	RADIOCHEMICAL	1.00	WSC4114		WP0157.0	10/11/96	0000025810	10/7/96
SC-10421-S	URANIUM-238	8.42	1.56	4.19	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC4114		WP0157.0	11/17/96	0000025810	10/7/96
SC-10422-S	AROCLOR-1248	ND		39	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	12425013	U	QT2008.0	10/10/96	0000025811	10/7/96
SC-10422-S	AROCLOR-1254	ND		39	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	12425013	U	QT2008.0	10/10/96	0000025811	10/7/96
SC-10422-S	AROCLOR-1260	ND		39	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	12425013	U	QT2008.0	10/10/96	0000025811	10/7/96
SC-10422-S	RADIUM-226	1.12	0.08	0.27	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC4115		WP0157.0	11/17/96	0000025811	10/7/96
SC-10422-S	RADIUM-228	1.40	0.14	0.48	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC4115		WP0157.0	11/17/96	0000025811	10/7/96
SC-10422-S	THORIUM-230	0.82	0.09	0.72	PCI/G	*		EML TH-01	SOIL	RADIOCHEMICAL	1.00	WSC4115		WP0157.0	10/11/96	0000025811	10/7/96
SC-10422-S	URANIUM-238	(2.14)	0.62	2.22	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC4115		WP0157.0	11/17/96	0000025811	10/7/96
SC-10423-S	URANIUM-238	ND		3.77	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC4132		WP0158.0	10/10/96	0000025812	10/7/96
SC-10424-S	URANIUM-238	8.67	1.26	3.44	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC4133		WP0158.0	10/10/96	0000025813	10/7/96
SC-10503-S	URANIUM-238	ND		4.88	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5222		WP0255.0	1/28/97	0000025814	1/22/97
SC-10504-S	URANIUM-238	ND		3.10	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5223		WP0255.0	1/28/97	0000025815	1/22/97
SC-10505-S	URANIUM-238	ND		4.01	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5224		WP0255.0	1/25/97	0000025816	1/22/97
SC-10506-S	URANIUM-238	ND		3.74	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5226		WP0255.0	1/28/97	0000025817	1/22/97
SC-10509-S	URANIUM-238	ND		3.23	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5227		WP0255.0	1/28/97	0000025818	1/22/97
SC-10510-S	URANIUM-238	ND		3.89	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5228		WP0255.0	1/28/97	0000025819	1/22/97
SC-10511-S	URANIUM-238	ND		3.11	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5229		WP0255.0	1/28/97	0000025820	1/22/97
SC-10513-S	URANIUM-238	4.60	0.81	2.50	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5230		WP0255.0	1/25/97	0000025821	1/22/97
SC-10514-S	URANIUM-238	3.50	1.02	2.75	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5231		WP0255.0	1/28/97	0000025822	1/22/97
SC-10515-S	URANIUM-238	ND		2.89	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5232		WP0255.0	1/28/97	0000025823	1/22/97
SC-10517-S	URANIUM-238	(2.96)	1.32	4.07	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5233		WP0255.0	1/27/97	0000025824	1/22/97
SC-10518-S	URANIUM-238	4.70	1.21	3.84	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5234		WP0255.0	1/28/97	0000025825	1/22/97
SC-10521-S	URANIUM-238	ND		3.32	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC4652		WP0207.0	11/23/96	0000025826	11/19/96
SC-10601-S	URANIUM-238	ND		3.19	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5235		WP0255.0	1/28/97	0000025827	1/22/97
SC-10602-S	URANIUM-238	ND		3.88	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5264		WP0258.0	2/4/97	0000025843	2/3/97
SC-10603-S	URANIUM-238	ND		3.79	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5265		WP0258.0	2/5/97	0000025844	2/3/97
SC-10604-S	URANIUM-238	ND		2.99	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5266		WP0258.0	2/4/97	0000025845	2/3/97
SC-10605-S	URANIUM-238	2.89	0.81	2.81	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5236		WP0255.0	1/27/97	0000025846	1/22/97
SC-10606-S	URANIUM-238	ND		3.74	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5267		WP0258.0	2/5/97	0000025847	2/3/97
SC-10607-S	CHROMIUM	17.6		0.68	UG/G	*		EPA CLP	SOIL	METALS	1.00	13547001		QT2082.0	2/5/97	0000025848	2/3/97
SC-10607-S	URANIUM-238	ND		3.08	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5268		WP0258.0	2/5/97	0000025848	2/3/97
SC-10608-S	CHROMIUM	13.4		0.65	UG/G	*		EPA CLP	SOIL	METALS	1.00	13547003		QT2082.0	2/5/97	0000025849	2/3/97
SC-10608-S	URANIUM-238	ND		3.70	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5270		WP0258.0	2/5/97	0000025849	2/3/97
SC-10609-S	URANIUM-238	3.14	1.03	2.93	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5237		WP0255.0	1/28/97	0000025850	1/22/97
SC-10610-S	CHROMIUM	14.9		0.65	UG/G	*		EPA CLP	SOIL	METALS	1.00	13547004		QT2082.0	2/5/97	0000025851	2/3/97
SC-10610-S	URANIUM-238	ND		3.73	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5271		WP0258.0	2/5/97	0000025851	2/3/97
SC-10611-S	CHROMIUM	19.5		0.70	UG/G	*		EPA CLP	SOIL	METALS	1.00	13547005		QT2082.0	2/5/97	0000025852	2/3/97
SC-10611-S	URANIUM-238	ND		3.29	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5272		WP0258.0	2/5/97	0000025852	2/3/97
SC-10612-S	CHROMIUM	14.7		0.69	UG/G	*		EPA CLP	SOIL	METALS	1.00	13547006		QT2082.0	2/5/97	0000025853	2/3/97
SC-10612-S	URANIUM-238	ND		2.87	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5273		WP0258.0	2/5/97	0000025853	2/3/97
SC-10613-S	URANIUM-238	ND		3.70	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5238		WP0255.0	1/25/97	0000025854	1/22/97
SC-10614-S	CHROMIUM	14.7		0.67	UG/G	*		EPA CLP	SOIL	METALS	1.00	13547007		QT2082.0	2/5/97	0000025855	2/3/97

APPENDIX D TABLE D-1

WSSRAP ID	PARAMETER	CONC	ERR	DL	UNITS	VAL QUAL	COMMENTS	METHOD	MATRIX	CATEGORY	DIL FACT	LAB ID	LAB QUAL	LAB REQU	DATE ANA	SAMPLINK	DATE SAMPLED
SC-10614-S	URANIUM-238	ND		3.88	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5274		WP0258.0	2/5/97	0000025855	2/3/97
SC-10615-C	2,4,6-TRINITROTOLUENE	34.0		0.81	UG/G	*		USATHAMA	SOIL	NITROAROMATICS	100.00	13582001		QT2063.0	2/11/97	0000033462	2/4/97
SC-10615-S	2,4,6-TRINITROTOLUENE	14.0		0.72	UG/G	*		USATHAMA	SOIL	NITROAROMATICS	100.00	13547008		QT2062.0	2/6/97	0000025856	2/3/97
SC-10615-S	CHROMIUM	14.6		0.66	UG/G	*		EPA CLP	SOIL	METALS	1.00	13547008		QT2062.0	2/5/97	0000025856	2/3/97
SC-10615-S	URANIUM-238	ND		4.07	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5275		WP0258.0	2/5/97	0000025856	2/3/97
SC-10616-S	2,4,6-TRINITROTOLUENE	8.3		0.15	UG/G	*		USATHAMA	SOIL	NITROAROMATICS	20.00	13547010		QT2062.0	2/6/97	0000025857	2/3/97
SC-10616-S	CHROMIUM	20.1		0.68	UG/G	*		EPA CLP	SOIL	METALS	1.00	13547010		QT2062.0	2/5/97	0000025857	2/3/97
SC-10616-S	URANIUM-238	ND		2.96	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5277		WP0258.0	2/4/97	0000025857	2/3/97
SC-10617-S	URANIUM-238	(2.39)	0.99	2.97	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC4653		WP0207.0	11/23/96	0000025858	11/19/96
SC-10618-S	CHROMIUM	20.0		1.1	UG/G	*		EPA CLP	SOIL	METALS	1.00	12896019		QT2050.0	11/22/96	0000025859	11/19/96
SC-10618-S	URANIUM-238	ND		3.20	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC4654		WP0207.0	11/23/96	0000025859	11/19/96
SC-10619-C	2,4,6-TRINITROTOLUENE	5.0		0.40	UG/G	*		USATHAMA	SOIL	NITROAROMATICS	50.00	13582002		QT2063.0	2/11/97	0000033460	2/4/97
SC-10619-S	CHROMIUM	23.1		1.1	UG/G	*		EPA CLP	SOIL	METALS	1.00	12896020		QT2050.0	11/22/96	0000025860	11/19/96
SC-10619-S	URANIUM-238	(2.19)	0.91	2.76	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC4655		WP0207.0	11/23/96	0000025860	11/19/96
SC-10620-C	CHROMIUM	14.8		0.72	UG/G	*		EPA CLP	SOIL	METALS	1.00	13547011		QT2062.0	2/5/97	0000025862	2/3/97
SC-10620-S	CHROMIUM	12.4		1.1	UG/G	*		EPA CLP	SOIL	METALS	1.00	12896021		QT2050.0	11/22/96	0000025861	11/19/96
SC-10620-S	URANIUM-238	ND		3.16	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC4656		WP0207.0	11/23/96	0000025861	11/19/96
SC-10701-S	URANIUM-238	ND		3.60	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC4744		WP0213.0	11/25/96	0000025870	11/22/96
SC-10702-S	URANIUM-238	ND		3.11	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC4745		WP0213.0	11/25/96	0000025872	11/22/96
SC-10703-S	URANIUM-238	ND		4.04	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC4746		WP0213.0	11/24/96	0000025873	11/22/96
SC-10704-S	URANIUM-238	3.02	0.70	2.22	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC4747		WP0213.0	11/25/96	0000025874	11/22/96
SC-10705-S	URANIUM-238	3.83	1.24	3.64	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC4748		WP0213.0	11/25/96	0000025875	11/22/96
SC-10706-S	URANIUM-238	(1.94)	0.57	2.00	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC4749		WP0213.0	11/24/96	0000025876	11/22/96
SC-10707-S	URANIUM-238	ND		8.95	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC4411		WP0194.0	11/12/96	0000025877	11/11/96
SC-10708-S	CHROMIUM	15.0		1.1	UG/G	*		EPA CLP	SOIL	METALS	1.00	12935001		QT2056.0	11/22/96	0000025878	11/22/96
SC-10708-S	URANIUM-238	ND		3.91	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC4750		WP0213.0	11/24/96	0000025878	11/22/96
SC-10709-S	URANIUM-238	(1.38)	0.60	2.28	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC4751		WP0213.0	11/24/96	0000025880	11/22/96
SC-10710-S	URANIUM-238	(1.50)	0.97	3.12	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC4752		WP0213.0	11/25/96	0000025881	11/22/96
SC-10711-S	URANIUM-238	(1.65)	0.62	2.64	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC4753		WP0213.0	11/25/96	0000025882	11/22/96
SC-10712-S	URANIUM-238	3.47	0.76	2.57	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC4754		WP0213.0	11/25/96	0000025883	11/22/96
SC-10713-S	URANIUM-238	ND		4.03	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC4755		WP0213.0	11/25/96	0000025884	11/22/96
SC-10714-S	CHROMIUM	16.6		1.1	UG/G	*		EPA CLP	SOIL	METALS	1.00	12935002		QT2056.0	11/22/96	0000025886	11/22/96
SC-10714-S	URANIUM-238	ND		3.80	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC4756		WP0213.0	11/25/96	0000025886	11/22/96
SC-10715-S	CHROMIUM	17.4		1.1	UG/G	*		EPA CLP	SOIL	METALS	1.00	12935003		QT2056.0	11/22/96	0000025887	11/22/96
SC-10715-S	URANIUM-238	2.91	0.71	2.49	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC4757		WP0213.0	11/25/96	0000025887	11/22/96
SC-10716-S	URANIUM-238	ND		4.15	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC4758		WP0213.0	11/25/96	0000025888	11/22/96
SC-10717-S	URANIUM-238	ND		3.30	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC4759		WP0213.0	11/25/96	0000025889	11/22/96
SC-10718-S	URANIUM-238	4.44	1.24	3.34	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC4760		WP0213.0	11/25/96	0000025890	11/22/96
SC-10719-S	URANIUM-238	ND		3.03	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC4761		WP0213.0	11/25/96	0000025891	11/22/96
SC-10720-S	CHROMIUM	17.3		1.1	UG/G	*		EPA CLP	SOIL	METALS	1.00	12896022		QT2050.0	11/22/96	0000025892	11/19/96
SC-10720-S	URANIUM-238	ND		4.15	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC4657		WP0207.0	11/23/96	0000025892	11/19/96
SC-10721-S	CHROMIUM	19.5		1.1	UG/G	*		EPA CLP	SOIL	METALS	1.00	12896023		QT2050.0	11/22/96	0000025893	11/19/96
SC-10721-S	URANIUM-238	ND		3.03	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC4658		WP0207.0	11/23/96	0000025893	11/19/96
SC-10722-S	URANIUM-238	ND		4.89	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC4659		WP0207.0	11/23/96	0000025894	11/19/96
SC-10723-S	URANIUM-238	13.8	1.79	3.82	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC4660		WP0207.0	11/23/96	0000025895	11/19/96
SC-10724-S	AROCLOR-1248	ND		43	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	12789018	U	QT2040.0	11/15/96	0000025896	11/12/96
SC-10724-S	AROCLOR-1254	ND		43	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	12789018	U	QT2040.0	11/15/96	0000025896	11/12/96
SC-10724-S	AROCLOR-1260	ND		43	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	12789018	U	QT2040.0	11/15/96	0000025896	11/12/96
SC-10724-S	URANIUM-238	(2.58)	0.76	3.01	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC4477		WP0196.0	11/14/96	0000025896	11/12/96
SC-10725-S	AROCLOR-1248	ND		41	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	12789020	U	QT2040.0	11/15/96	0000025897	11/12/96
SC-10725-S	AROCLOR-1254	ND		41	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	12789020	U	QT2040.0	11/15/96	0000025897	11/12/96

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WSSRAP ID	PARAMETER	CONC	ERR	DL	UNITS	VAL QUAL	COMMENTS	METHOD	MATRIX	CATEGORY	DIL FACT	LAB ID	LAB QUAL	LAB REQU	DATE ANA	SAMPLINK	DATE SAMPLED
SC-10725-S	AROCLOR-1260	ND		41	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	12789020	U	QT2040.0	11/15/96	0000025897	11/12/96
SC-10725-S	URANIUM-238	ND		3.19	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC4479		WP0196.0	11/14/96	0000025897	11/12/96
SC-10801-S	URANIUM-238	2.62	0.80	1.87	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC4412		WP0194.0	11/12/96	0000025898	11/11/96
SC-10802-S	URANIUM-238	ND		4.14	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC4413		WP0194.0	11/12/96	0000025899	11/11/96
SC-10803-S	URANIUM-238	ND		4.18	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC4414		WP0194.0	11/13/96	0000025900	11/11/96
SC-10804-S	URANIUM-238	6.27	1.28	3.40	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC4415		WP0194.0	11/12/96	0000025901	11/11/96
SC-10805-S	BENZO(A)ANTHRACENE	ND		46	UG/KG	*		EPA 8310	SOIL	SEMI-VOLATILES	1.00	12776001	U	QT2038.0	11/13/96	0000025902	11/11/96
SC-10805-S	BENZO(A)PYRENE	ND		46	UG/KG	*		EPA 8310	SOIL	SEMI-VOLATILES	1.00	12776001	U	QT2038.0	11/13/96	0000025902	11/11/96
SC-10805-S	BENZO(B)FLUORANTHENE	ND		46	UG/KG	*		EPA 8310	SOIL	SEMI-VOLATILES	1.00	12776001	U	QT2038.0	11/13/96	0000025902	11/11/96
SC-10805-S	BENZO(K)FLUORANTHENE	ND		46	UG/KG	*		EPA 8310	SOIL	SEMI-VOLATILES	1.00	12776001	U	QT2038.0	11/13/96	0000025902	11/11/96
SC-10805-S	CHRYSENE	ND		46	UG/KG	*		EPA 8310	SOIL	SEMI-VOLATILES	1.00	12776001	U	QT2038.0	11/13/96	0000025902	11/11/96
SC-10805-S	INDENO(1,2,3-CD)PYRENE	ND		46	UG/KG	*		EPA 8310	SOIL	SEMI-VOLATILES	1.00	12776001	U	QT2038.0	11/13/96	0000025902	11/11/96
SC-10805-S	URANIUM-238	ND		4.57	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC4417		WP0194.0	11/12/96	0000025902	11/11/96
SC-10806-S	BENZO(A)ANTHRACENE	ND		44	UG/KG	*		EPA 8310	SOIL	SEMI-VOLATILES	1.00	12776002	U	QT2038.0	11/13/96	0000025903	11/11/96
SC-10806-S	BENZO(A)PYRENE	ND		44	UG/KG	*		EPA 8310	SOIL	SEMI-VOLATILES	1.00	12776002	U	QT2038.0	11/13/96	0000025903	11/11/96
SC-10806-S	BENZO(B)FLUORANTHENE	ND		44	UG/KG	*		EPA 8310	SOIL	SEMI-VOLATILES	1.00	12776002	U	QT2038.0	11/13/96	0000025903	11/11/96
SC-10806-S	BENZO(K)FLUORANTHENE	ND		44	UG/KG	*		EPA 8310	SOIL	SEMI-VOLATILES	1.00	12776002	U	QT2038.0	11/13/96	0000025903	11/11/96
SC-10806-S	CHRYSENE	ND		44	UG/KG	*		EPA 8310	SOIL	SEMI-VOLATILES	1.00	12776002	U	QT2038.0	11/13/96	0000025903	11/11/96
SC-10806-S	INDENO(1,2,3-CD)PYRENE	ND		44	UG/KG	*		EPA 8310	SOIL	SEMI-VOLATILES	1.00	12776002	U	QT2038.0	11/13/96	0000025903	11/11/96
SC-10806-S	URANIUM-238	8.29	1.64	3.76	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC4418		WP0194.0	11/12/96	0000025903	11/11/96
SC-10807-S	URANIUM-238	ND		4.03	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC4419		WP0194.0	11/13/96	0000025904	11/11/96
SC-10809-S	URANIUM-238	ND		3.97	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC4420		WP0194.0	11/13/96	0000025905	11/11/96
SC-10809-S	AROCLOR-1248	ND		42	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	12776006	U	QT2038.0	11/13/96	0000025906	11/11/96
SC-10809-S	AROCLOR-1254	ND		42	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	12776006	U	QT2038.0	11/13/96	0000025906	11/11/96
SC-10809-S	AROCLOR-1260	ND		42	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	12776006	U	QT2038.0	11/13/96	0000025906	11/11/96
SC-10809-S	URANIUM-238	(1.85)	0.84	2.45	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC4421		WP0194.0	11/13/96	0000025906	11/11/96
SC-10810-S	URANIUM-238	ND		4.03	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC4422		WP0194.0	11/13/96	0000025907	11/11/96
SC-10811-S	URANIUM-238	ND		3.39	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC4423		WP0194.0	11/13/96	0000025908	11/11/96
SC-10812-S	URANIUM-238	ND		4.00	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC4424		WP0194.0	11/14/96	0000025909	11/11/96
SC-10813-C	BENZO(A)ANTHRACENE	ND		44	UG/KG	*		EPA 8310	SOIL	SEMI-VOLATILES	1.00	12776003	U	QT2038.0	11/13/96	0000025910	11/11/96
SC-10813-C	BENZO(A)PYRENE	ND		44	UG/KG	*		EPA 8310	SOIL	SEMI-VOLATILES	1.00	12776003	U	QT2038.0	11/13/96	0000025910	11/11/96
SC-10813-C	BENZO(B)FLUORANTHENE	ND		44	UG/KG	*		EPA 8310	SOIL	SEMI-VOLATILES	1.00	12776003	U	QT2038.0	11/13/96	0000025910	11/11/96
SC-10813-C	BENZO(K)FLUORANTHENE	ND		44	UG/KG	*		EPA 8310	SOIL	SEMI-VOLATILES	1.00	12776003	U	QT2038.0	11/13/96	0000025910	11/11/96
SC-10813-C	CHRYSENE	ND		44	UG/KG	*		EPA 8310	SOIL	SEMI-VOLATILES	1.00	12776003	U	QT2038.0	11/13/96	0000025910	11/11/96
SC-10813-C	INDENO(1,2,3-CD)PYRENE	ND		44	UG/KG	*		EPA 8310	SOIL	SEMI-VOLATILES	1.00	12776003	U	QT2038.0	11/13/96	0000025910	11/11/96
SC-10813-S	BENZO(A)ANTHRACENE	ND		44	UG/KG	*		EPA 8310	SOIL	SEMI-VOLATILES	1.00	12776004	U	QT2038.0	11/13/96	0000025911	11/11/96
SC-10813-S	BENZO(A)PYRENE	ND		44	UG/KG	*		EPA 8310	SOIL	SEMI-VOLATILES	1.00	12776004	U	QT2038.0	11/13/96	0000025911	11/11/96
SC-10813-S	BENZO(B)FLUORANTHENE	ND		44	UG/KG	*		EPA 8310	SOIL	SEMI-VOLATILES	1.00	12776004	U	QT2038.0	11/13/96	0000025911	11/11/96
SC-10813-S	BENZO(K)FLUORANTHENE	ND		44	UG/KG	*		EPA 8310	SOIL	SEMI-VOLATILES	1.00	12776004	U	QT2038.0	11/13/96	0000025911	11/11/96
SC-10813-S	CHRYSENE	ND		44	UG/KG	*		EPA 8310	SOIL	SEMI-VOLATILES	1.00	12776004	U	QT2038.0	11/13/96	0000025911	11/11/96
SC-10813-S	INDENO(1,2,3-CD)PYRENE	ND		44	UG/KG	*		EPA 8310	SOIL	SEMI-VOLATILES	1.00	12776004	U	QT2038.0	11/13/96	0000025911	11/11/96
SC-10813-S	URANIUM-238	11.6	1.81	3.35	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC4425		WP0194.0	11/12/96	0000025911	11/11/96
SC-10814-S	BENZO(A)ANTHRACENE	ND		44	UG/KG	*		EPA 8310	SOIL	SEMI-VOLATILES	1.00	12776005	U	QT2038.0	11/13/96	0000025912	11/11/96
SC-10814-S	BENZO(A)PYRENE	ND		44	UG/KG	*		EPA 8310	SOIL	SEMI-VOLATILES	1.00	12776005	U	QT2038.0	11/13/96	0000025912	11/11/96
SC-10814-S	BENZO(B)FLUORANTHENE	ND		44	UG/KG	*		EPA 8310	SOIL	SEMI-VOLATILES	1.00	12776005	U	QT2038.0	11/13/96	0000025912	11/11/96
SC-10814-S	BENZO(K)FLUORANTHENE	ND		44	UG/KG	*		EPA 8310	SOIL	SEMI-VOLATILES	1.00	12776005	U	QT2038.0	11/13/96	0000025912	11/11/96
SC-10814-S	CHRYSENE	ND		44	UG/KG	*		EPA 8310	SOIL	SEMI-VOLATILES	1.00	12776005	U	QT2038.0	11/13/96	0000025912	11/11/96
SC-10814-S	INDENO(1,2,3-CD)PYRENE	ND		44	UG/KG	*		EPA 8310	SOIL	SEMI-VOLATILES	1.00	12776005	U	QT2038.0	11/13/96	0000025912	11/11/96
SC-10814-S	URANIUM-238	ND		4.47	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC4426		WP0194.0	11/14/96	0000025912	11/11/96
SC-10815-S	URANIUM-238	ND		4.15	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC4427		WP0194.0	11/12/96	0000025913	11/11/96
SC-10816-S	URANIUM-238	ND		4.11	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC4428		WP0194.0	11/14/96	0000025914	11/11/96

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WSSRAP ID	PARAMETER	CONC	ERR	DL	UNITS	VAL QUAL	COMMENTS	METHOD	MATRIX	CATEGORY	DIL FACT	LAB ID	LAB QUAL	LAB REQU	DATE ANA	SAMPLINK	DATE SAMPLED
SC-10817-S	AROCLOR-1248	ND		43	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	12776007	U	QT2038.0	11/13/96	0000025915	11/11/96
SC-10817-S	AROCLOR-1254	ND		43	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	12776007	U	QT2038.0	11/13/96	0000025915	11/11/96
SC-10817-S	AROCLOR-1260	ND		43	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	12776007	U	QT2038.0	11/13/96	0000025915	11/11/96
SC-10817-S	URANIUM-238	ND		5.05	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC4429		WP0194.0	11/12/96	0000025915	11/11/96
SC-10818-S	AROCLOR-1248	ND		42	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	12776008	U	QT2038.0	11/13/96	0000025916	11/11/96
SC-10818-S	AROCLOR-1254	ND		42	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	12776008	U	QT2038.0	11/13/96	0000025916	11/11/96
SC-10818-S	AROCLOR-1260	ND		42	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	12776008	U	QT2038.0	11/13/96	0000025916	11/11/96
SC-10818-S	URANIUM-238	4.79	1.23	3.17	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC4430		WP0194.0	11/12/96	0000025916	11/11/96
SC-10819-S	URANIUM-238	ND		4.22	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC4431		WP0194.0	11/12/96	0000025917	11/11/96
SC-10820-S	URANIUM-238	3.56	0.99	3.23	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC4354		WP0182.0	10/31/96	0000025918	10/25/96
SC-10821-S	URANIUM-238	ND		4.75	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC4355		WP0182.0	10/31/96	0000025919	10/25/96
SC-10822-S	URANIUM-238	17.7	2.47	4.51	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC4356		WP0182.0	10/31/96	0000025920	10/25/96
SC-10823-S	URANIUM-238	ND		3.22	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC4357		WP0182.0	10/31/96	0000025921	10/25/96
SC-10824-S	URANIUM-238	ND		4.11	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC4358		WP0182.0	10/31/96	0000025922	10/25/96
SC-10901-S	AROCLOR-1248	ND		39	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	13154001	U	QT2080.0	12/18/96	0000025923	12/16/96
SC-10901-S	AROCLOR-1254	ND		39	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	13154001	U	QT2080.0	12/18/96	0000025923	12/16/96
SC-10901-S	AROCLOR-1260	ND		39	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	13154001	U	QT2080.0	12/18/96	0000025923	12/16/96
SC-10901-S	BENZO(A)ANTHRACENE	ND		41	UG/KG	*		EPA 8310	SOIL	SEMI-VOLATILES	1.00	13154001	U	QT2080.0	12/18/96	0000025923	12/16/96
SC-10901-S	BENZO(A)PYRENE	ND		41	UG/KG	*		EPA 8310	SOIL	SEMI-VOLATILES	1.00	13154001	U	QT2080.0	12/18/96	0000025923	12/16/96
SC-10901-S	BENZO(B)FLUORANTHENE	ND		41	UG/KG	*		EPA 8310	SOIL	SEMI-VOLATILES	1.00	13154001	U	QT2080.0	12/18/96	0000025923	12/16/96
SC-10901-S	BENZO(K)FLUORANTHENE	ND		41	UG/KG	*		EPA 8310	SOIL	SEMI-VOLATILES	1.00	13154001	U	QT2080.0	12/18/96	0000025923	12/16/96
SC-10901-S	CHROMIUM	11.7		0.35	UG/G	*		EPA CLP	SOIL	METALS	1.00	13154001		QT2080.0	12/18/96	0000025923	12/16/96
SC-10901-S	CHRYSENE	ND		41	UG/KG	*		EPA 8310	SOIL	SEMI-VOLATILES	1.00	13154001	U	QT2080.0	12/18/96	0000025923	12/16/96
SC-10901-S	INDENO(1,2,3-CD)PYRENE	ND		41	UG/KG	*		EPA 8310	SOIL	SEMI-VOLATILES	1.00	13154001	U	QT2080.0	12/18/96	0000025923	12/16/96
SC-10901-S	LEAD	7.9		0.19	UG/G	*		EPA CLP	SOIL	METALS	1.00	13154001		QT2080.0	12/18/96	0000025923	12/16/96
SC-10901-S	RADIUM-226	1.32	0.12	0.29	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5123		WP0236.0	1/21/97	0000025923	12/16/96
SC-10901-S	RADIUM-228	ND		1.28	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5123		WP0236.0	1/21/97	0000025923	12/16/96
SC-10901-S	THORIUM-230	(0.66)	0.05	0.72	PCI/G	*		EML TH-01	SOIL	RADIOCHEMICAL	1.00	WSC5123		WP0236.0	12/19/96	0000025923	12/16/96
SC-10901-S	URANIUM-238	ND		4.29	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5123		WP0236.0	1/21/97	0000025923	12/16/96
SC-10902-C	AROCLOR-1248	ND		40	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	13154002	U	QT2080.0	12/19/96	0000025925	12/16/96
SC-10902-C	AROCLOR-1254	ND		40	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	13154002	U	QT2080.0	12/19/96	0000025925	12/16/96
SC-10902-C	AROCLOR-1260	ND		40	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	13154002	U	QT2080.0	12/19/96	0000025925	12/16/96
SC-10902-C	CHROMIUM	7.8		0.36	UG/G	*		EPA CLP	SOIL	METALS	1.00	13154002		QT2080.0	12/18/96	0000025925	12/16/96
SC-10902-C	LEAD	3.4		0.19	UG/G	*		EPA CLP	SOIL	METALS	1.00	13154002		QT2080.0	12/18/96	0000025925	12/16/96
SC-10902-C	RADIUM-226	1.11	0.09	0.29	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5124		WP0236.0	1/21/97	0000025925	12/16/96
SC-10902-C	RADIUM-228	1.07	0.12	0.35	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5124		WP0236.0	1/21/97	0000025925	12/16/96
SC-10902-C	THORIUM-230	0.84	0.09	0.72	PCI/G	*		EML TH-01	SOIL	RADIOCHEMICAL	1.00	WSC5124		WP0236.0	12/19/96	0000025925	12/16/96
SC-10902-S	AROCLOR-1248	ND		37	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	13154003	U	QT2080.0	12/19/96	0000025924	12/16/96
SC-10902-S	AROCLOR-1254	ND		37	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	13154003	U	QT2080.0	12/19/96	0000025924	12/16/96
SC-10902-S	AROCLOR-1260	ND		37	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	13154003	U	QT2080.0	12/19/96	0000025924	12/16/96
SC-10902-S	BENZO(A)ANTHRACENE	ND		39	UG/KG	*		EPA 8310	SOIL	SEMI-VOLATILES	1.00	13154003	U	QT2080.0	12/19/96	0000025924	12/16/96
SC-10902-S	BENZO(A)PYRENE	ND		39	UG/KG	*		EPA 8310	SOIL	SEMI-VOLATILES	1.00	13154003	U	QT2080.0	12/19/96	0000025924	12/16/96
SC-10902-S	BENZO(B)FLUORANTHENE	ND		39	UG/KG	*		EPA 8310	SOIL	SEMI-VOLATILES	1.00	13154003	U	QT2080.0	12/19/96	0000025924	12/16/96
SC-10902-S	BENZO(K)FLUORANTHENE	ND		39	UG/KG	*		EPA 8310	SOIL	SEMI-VOLATILES	1.00	13154003	U	QT2080.0	12/19/96	0000025924	12/16/96
SC-10902-S	CHROMIUM	14.1		0.34	UG/G	*		EPA CLP	SOIL	METALS	1.00	13154003		QT2080.0	12/18/96	0000025924	12/16/96
SC-10902-S	CHRYSENE	ND		39	UG/KG	*		EPA 8310	SOIL	SEMI-VOLATILES	1.00	13154003	U	QT2080.0	12/19/96	0000025924	12/16/96
SC-10902-S	INDENO(1,2,3-CD)PYRENE	ND		39	UG/KG	*		EPA 8310	SOIL	SEMI-VOLATILES	1.00	13154003	U	QT2080.0	12/19/96	0000025924	12/16/96
SC-10902-S	LEAD	8.8		0.18	UG/G	*		EPA CLP	SOIL	METALS	1.00	13154003		QT2080.0	12/18/96	0000025924	12/16/96
SC-10902-S	RADIUM-226	1.06	0.12	0.49	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5125		WP0236.0	1/21/97	0000025924	12/16/96
SC-10902-S	RADIUM-228	1.73	0.23	0.75	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5125		WP0236.0	1/21/97	0000025924	12/16/96
SC-10902-S	THORIUM-230	0.97	0.11	0.72	PCI/G	*		EML TH-01	SOIL	RADIOCHEMICAL	1.00	WSC5125		WP0236.0	12/19/96	0000025924	12/16/96

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WSSRAP ID	PARAMETER	CONC	ERR	DL	UNITS	VAL QUAL	COMMENTS	METHOD	MATRIX	CATEGORY	DIL FACT	LAB ID	LAB QUAL	LAB REQU	DATE ANA	SAMPLENK	DATE SAMPLED
SC-10902-S	URANIUM-238	8.91	1.65	4.68	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5125		WP0236.0	1/21/97	0000025924	12/16/96
SC-10903-C	AROCLOR-1248	ND		39	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	13154004	U	QT2080.0	12/19/96	0000025927	12/16/96
SC-10903-C	AROCLOR-1254	ND		39	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	13154004	U	QT2080.0	12/19/96	0000025927	12/16/96
SC-10903-C	AROCLOR-1260	ND		39	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	13154004	U	QT2080.0	12/19/96	0000025927	12/16/96
SC-10903-C	CHROMIUM	6.6		0.35	UG/G	*		EPA CLP	SOIL	METALS	1.00	13154004		QT2080.0	12/18/96	0000025927	12/16/96
SC-10903-C	LEAD	6.9		0.19	UG/G	*		EPA CLP	SOIL	METALS	1.00	13154004		QT2080.0	12/18/96	0000025927	12/16/96
SC-10903-C	RADIUM-226	0.94	0.09	0.34	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5126		WP0236.0	1/21/97	0000025927	12/16/96
SC-10903-C	RADIUM-228	1.44	0.14	0.45	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5126		WP0236.0	1/21/97	0000025927	12/16/96
SC-10903-C	THORIUM-230	0.60	0.08	0.72	PCI/G	*		EML TH-01	SOIL	RADIOCHEMICAL	1.00	WSC5126		WP0236.0	12/19/96	0000025927	12/16/96
SC-10903-S	AROCLOR-1248	ND		38	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	13154005	U	QT2080.0	12/19/96	0000025926	12/16/96
SC-10903-S	AROCLOR-1254	ND		38	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	13154005	U	QT2080.0	12/19/96	0000025926	12/16/96
SC-10903-S	AROCLOR-1260	ND		38	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	13154005	U	QT2080.0	12/19/96	0000025926	12/16/96
SC-10903-S	CHROMIUM	9.2		0.35	UG/G	*		EPA CLP	SOIL	METALS	1.00	13154005		QT2080.0	12/18/96	0000025926	12/16/96
SC-10903-S	LEAD	23.2		0.19	UG/G	*		EPA CLP	SOIL	METALS	1.00	13154005		QT2080.0	12/18/96	0000025926	12/16/96
SC-10903-S	RADIUM-226	1.25	0.12	0.41	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5127		WP0236.0	1/21/97	0000025926	12/16/96
SC-10903-S	RADIUM-228	1.14	0.19	0.62	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5127		WP0236.0	1/21/97	0000025926	12/16/96
SC-10903-S	THORIUM-230	0.85	0.09	0.72	PCI/G	*		EML TH-01	SOIL	RADIOCHEMICAL	1.00	WSC5127		WP0236.0	12/19/96	0000025926	12/16/96
SC-10903-S	URANIUM-238	ND		4.08	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5127		WP0236.0	1/21/97	0000025926	12/16/96
SC-10904-C	AROCLOR-1248	ND		41	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	13154006	U	QT2080.0	12/19/96	0000025929	12/16/96
SC-10904-C	AROCLOR-1254	ND		41	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	13154006	U	QT2080.0	12/19/96	0000025929	12/16/96
SC-10904-C	AROCLOR-1260	ND		41	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	13154006	U	QT2080.0	12/19/96	0000025929	12/16/96
SC-10904-C	CHROMIUM	11.2		0.37	UG/G	*		EPA CLP	SOIL	METALS	1.00	13154006		QT2080.0	12/18/96	0000025929	12/16/96
SC-10904-C	LEAD	9.0		0.20	UG/G	*		EPA CLP	SOIL	METALS	1.00	13154006		QT2080.0	12/18/96	0000025929	12/16/96
SC-10904-C	RADIUM-226	1.16	0.11	0.23	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5128		WP0236.0	1/21/97	0000025929	12/16/96
SC-10904-C	RADIUM-228	1.27	0.17	0.54	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5128		WP0236.0	1/21/97	0000025929	12/16/96
SC-10904-C	THORIUM-230	0.80	0.10	0.72	PCI/G	*		EML TH-01	SOIL	RADIOCHEMICAL	1.00	WSC5128		WP0236.0	12/19/96	0000025929	12/16/96
SC-10904-C	URANIUM-238	ND		3.80	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5128		WP0236.0	1/21/97	0000025929	12/16/96
SC-10904-S	AROCLOR-1248	ND		41	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	13154007	U	QT2080.0	12/19/96	0000025928	12/16/96
SC-10904-S	AROCLOR-1254	ND		41	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	13154007	U	QT2080.0	12/19/96	0000025928	12/16/96
SC-10904-S	AROCLOR-1260	ND		41	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	13154007	U	QT2080.0	12/19/96	0000025928	12/16/96
SC-10904-S	CHROMIUM	17.1		0.37	UG/G	*		EPA CLP	SOIL	METALS	1.00	13154007		QT2080.0	12/18/96	0000025928	12/16/96
SC-10904-S	LEAD	8.4		0.20	UG/G	*		EPA CLP	SOIL	METALS	1.00	13154007		QT2080.0	12/18/96	0000025928	12/16/96
SC-10904-S	RADIUM-226	1.05	0.09	0.31	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5129		WP0236.0	1/21/97	0000025928	12/16/96
SC-10904-S	RADIUM-228	1.61	0.15	0.43	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5129		WP0236.0	1/21/97	0000025928	12/16/96
SC-10904-S	THORIUM-230	0.86	0.09	0.72	PCI/G	*		EML TH-01	SOIL	RADIOCHEMICAL	1.00	WSC5129		WP0236.0	12/19/96	0000025928	12/16/96
SC-10904-S	URANIUM-238	(2.16)	0.65	2.49	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5129		WP0236.0	1/21/97	0000025928	12/16/96
SC-10905-S	AROCLOR-1248	ND		40	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	13154008	U	QT2080.0	12/19/96	0000025930	12/16/96
SC-10905-S	AROCLOR-1254	ND		40	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	13154008	U	QT2080.0	12/19/96	0000025930	12/16/96
SC-10905-S	AROCLOR-1260	ND		40	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	13154008	U	QT2080.0	12/19/96	0000025930	12/16/96
SC-10905-S	BENZO(A)ANTHRACENE	ND		42	UG/KG	*		EPA 8310	SOIL	SEMI-VOLATILES	1.00	13154008	U	QT2080.0	12/19/96	0000025930	12/16/96
SC-10905-S	BENZO(A)PYRENE	ND		42	UG/KG	*		EPA 8310	SOIL	SEMI-VOLATILES	1.00	13154008	U	QT2080.0	12/19/96	0000025930	12/16/96
SC-10905-S	BENZO(B)FLUORANTHENE	ND		42	UG/KG	*		EPA 8310	SOIL	SEMI-VOLATILES	1.00	13154008	U	QT2080.0	12/19/96	0000025930	12/16/96
SC-10905-S	BENZO(K)FLUORANTHENE	ND		42	UG/KG	*		EPA 8310	SOIL	SEMI-VOLATILES	1.00	13154008	U	QT2080.0	12/19/96	0000025930	12/16/96
SC-10905-S	CHROMIUM	18.1		0.37	UG/G	*		EPA CLP	SOIL	METALS	1.00	13154008		QT2080.0	12/18/96	0000025930	12/16/96
SC-10905-S	CHRYSENE	ND		42	UG/KG	*		EPA 8310	SOIL	SEMI-VOLATILES	1.00	13154008	U	QT2080.0	12/19/96	0000025930	12/16/96
SC-10905-S	INDENO(1,2,3-CD)PYRENE	ND		42	UG/KG	*		EPA 8310	SOIL	SEMI-VOLATILES	1.00	13154008	U	QT2080.0	12/19/96	0000025930	12/16/96
SC-10905-S	LEAD	36.8		0.19	UG/G	*		EPA CLP	SOIL	METALS	1.00	13154008		QT2080.0	12/18/96	0000025930	12/16/96
SC-10905-S	RADIUM-226	1.10	0.11	0.30	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5130		WP0236.0	1/21/97	0000025930	12/16/96
SC-10905-S	RADIUM-228	1.37	0.16	0.43	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5130		WP0236.0	1/21/97	0000025930	12/16/96
SC-10905-S	THORIUM-230	0.88	0.11	0.72	PCI/G	*		EML TH-01	SOIL	RADIOCHEMICAL	1.00	WSC5130		WP0236.0	12/20/96	0000025930	12/16/96
SC-10905-S	URANIUM-238	ND		4.30	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5130		WP0236.0	1/21/97	0000025930	12/16/96

APPENDIX D TABLE D-1

WSSRAP ID	PARAMETER	CONC	ERR	DL	UNITS	VAL QUAL	COMMENTS	METHOD	MATRIX	CATEGORY	DIL FACT	LAB ID	LAB QUAL	LAB REQU	DATE ANA	SAMPLINK	DATE SAMPLED
SC-10906-S	AROCLOR-1248	ND		39	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	13154009	U	QT2080.0	12/19/96	0000025931	12/16/96
SC-10906-S	AROCLOR-1254	ND		39	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	13154009	U	QT2080.0	12/19/96	0000025931	12/16/96
SC-10906-S	AROCLOR-1260	ND		39	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	13154009	U	QT2080.0	12/19/96	0000025931	12/16/96
SC-10906-S	CHROMIUM	12.6		0.35	UG/G	*		EPA CLP	SOIL	METALS	1.00	13154009		QT2080.0	12/18/96	0000025931	12/16/96
SC-10906-S	LEAD	9.1		0.19	UG/G	*		EPA CLP	SOIL	METALS	1.00	13154009		QT2080.0	12/18/96	0000025931	12/16/96
SC-10906-S	RADIUM-226	1.06	0.09	0.28	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5131		WP0236.0	1/21/97	0000025931	12/16/96
SC-10906-S	RADIUM-228	1.50	0.14	0.32	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5131		WP0236.0	1/21/97	0000025931	12/16/96
SC-10906-S	THORIUM-230	0.74	0.07	0.72	PCI/G	*		EML TH-01	SOIL	RADIOCHEMICAL	1.00	WSC5131		WP0236.0	12/19/96	0000025931	12/16/96
SC-10906-S	URANIUM-238	ND		3.25	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5131		WP0236.0	1/21/97	0000025931	12/16/96
SC-10907-C	AROCLOR-1248	ND		39	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	13154010	U	QT2080.0	12/19/96	0000025932	12/16/96
SC-10907-C	AROCLOR-1254	ND		39	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	13154010	U	QT2080.0	12/19/96	0000025932	12/16/96
SC-10907-C	AROCLOR-1260	ND		39	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	13154010	U	QT2080.0	12/19/96	0000025932	12/16/96
SC-10907-C	CHROMIUM	10.0		0.35	UG/G	*		EPA CLP	SOIL	METALS	1.00	13154010		QT2080.0	12/18/96	0000025932	12/16/96
SC-10907-C	LEAD	8.0		0.19	UG/G	*		EPA CLP	SOIL	METALS	1.00	13154010		QT2080.0	12/18/96	0000025932	12/16/96
SC-10907-C	RADIUM-226	1.11	0.11	0.34	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5132		WP0236.0	1/22/97	0000025932	12/16/96
SC-10907-C	RADIUM-228	1.28	0.18	0.50	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5132		WP0236.0	1/22/97	0000025932	12/16/96
SC-10907-C	THORIUM-230	0.94	0.12	0.72	PCI/G	*		EML TH-01	SOIL	RADIOCHEMICAL	1.00	WSC5132		WP0236.0	12/19/96	0000025932	12/16/96
SC-10907-S	AROCLOR-1248	ND		41	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	13154011	U	QT2080.0	12/19/96	0000025933	12/16/96
SC-10907-S	AROCLOR-1254	ND		41	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	13154011	U	QT2080.0	12/19/96	0000025933	12/16/96
SC-10907-S	AROCLOR-1260	ND		41	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	13154011	U	QT2080.0	12/19/96	0000025933	12/16/96
SC-10907-S	CHROMIUM	9.3		0.37	UG/G	*		EPA CLP	SOIL	METALS	1.00	13154011		QT2080.0	12/18/96	0000025933	12/16/96
SC-10907-S	LEAD	19.3		0.20	UG/G	*		EPA CLP	SOIL	METALS	1.00	13154011		QT2080.0	12/18/96	0000025933	12/16/96
SC-10907-S	RADIUM-226	1.30	0.09	0.31	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5133		WP0236.0	1/22/97	0000025933	12/16/96
SC-10907-S	RADIUM-228	1.37	0.15	0.33	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5133		WP0236.0	1/22/97	0000025933	12/16/96
SC-10907-S	THORIUM-230	0.78	0.08	0.72	PCI/G	*		EML TH-01	SOIL	RADIOCHEMICAL	1.00	WSC5133		WP0236.0	12/20/96	0000025933	12/16/96
SC-10907-S	URANIUM-238	ND		2.99	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5133		WP0236.0	1/22/97	0000025933	12/16/96
SC-10908-S	AROCLOR-1248	ND		39	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	13154012	U	QT2080.0	12/19/96	0000025934	12/16/96
SC-10908-S	AROCLOR-1254	ND		39	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	13154012	U	QT2080.0	12/19/96	0000025934	12/16/96
SC-10908-S	AROCLOR-1260	ND		39	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	13154012	U	QT2080.0	12/19/96	0000025934	12/16/96
SC-10908-S	CHROMIUM	11.6		0.35	UG/G	*		EPA CLP	SOIL	METALS	1.00	13154012		QT2080.0	12/18/96	0000025934	12/16/96
SC-10908-S	LEAD	10.2		0.19	UG/G	*		EPA CLP	SOIL	METALS	1.00	13154012		QT2080.0	12/18/96	0000025934	12/16/96
SC-10908-S	RADIUM-226	1.25	0.12	0.28	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5134		WP0236.0	1/22/97	0000025934	12/16/96
SC-10908-S	RADIUM-228	1.54	0.19	0.28	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5134		WP0236.0	1/22/97	0000025934	12/16/96
SC-10908-S	THORIUM-230	1.21	0.14	0.72	PCI/G	*		EML TH-01	SOIL	RADIOCHEMICAL	1.00	WSC5134		WP0236.0	12/19/96	0000025934	12/16/96
SC-10908-S	URANIUM-238	ND		3.74	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5134		WP0236.0	1/22/97	0000025934	12/16/96
SC-10909-S	AROCLOR-1248	ND		44	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	13154013	U	QT2080.0	12/19/96	0000025935	12/16/96
SC-10909-S	AROCLOR-1254	ND		44	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	13154013	U	QT2080.0	12/19/96	0000025935	12/16/96
SC-10909-S	AROCLOR-1260	75		44	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	13154013		QT2080.0	12/19/96	0000025935	12/16/96
SC-10909-S	ARSENIC	6.1		0.47	UG/G	*		EPA CLP	SOIL	METALS	1.00	13154013		QT2080.0	12/18/96	0000025935	12/16/96
SC-10909-S	BENZO(A)ANTHRACENE	ND		46	UG/KG	*		EPA 8310	SOIL	SEMI-VOLATILES	1.00	13154013	U	QT2080.0	12/19/96	0000025935	12/16/96
SC-10909-S	BENZO(A)PYRENE	ND		46	UG/KG	*		EPA 8310	SOIL	SEMI-VOLATILES	1.00	13154013	U	QT2080.0	12/19/96	0000025935	12/16/96
SC-10909-S	BENZO(B)FLUORANTHENE	ND		46	UG/KG	*		EPA 8310	SOIL	SEMI-VOLATILES	1.00	13154013	U	QT2080.0	12/19/96	0000025935	12/16/96
SC-10909-S	BENZO(K)FLUORANTHENE	ND		46	UG/KG	*		EPA 8310	SOIL	SEMI-VOLATILES	1.00	13154013	U	QT2080.0	12/19/96	0000025935	12/16/96
SC-10909-S	CHROMIUM	16.0		0.40	UG/G	*		EPA CLP	SOIL	METALS	1.00	13154013		QT2080.0	12/18/96	0000025935	12/16/96
SC-10909-S	CHRYSENE	ND		46	UG/KG	*		EPA 8310	SOIL	SEMI-VOLATILES	1.00	13154013	U	QT2080.0	12/19/96	0000025935	12/16/96
SC-10909-S	INDENO(1,2,3-CD)PYRENE	ND		46	UG/KG	*		EPA 8310	SOIL	SEMI-VOLATILES	1.00	13154013	U	QT2080.0	12/19/96	0000025935	12/16/96
SC-10909-S	LEAD	9.6		0.21	UG/G	*		EPA CLP	SOIL	METALS	1.00	13154013		QT2080.0	12/18/96	0000025935	12/16/96
SC-10909-S	RADIUM-226	1.28	0.10	0.32	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5135		WP0236.0	1/22/97	0000025935	12/16/96
SC-10909-S	RADIUM-228	1.63	0.15	0.53	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5135		WP0236.0	1/22/97	0000025935	12/16/96
SC-10909-S	THORIUM-230	0.90	0.10	0.72	PCI/G	*		EML TH-01	SOIL	RADIOCHEMICAL	1.00	WSC5135		WP0236.0	12/19/96	0000025935	12/16/96
SC-10909-S	URANIUM-238	32.5	3.39	3.00	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5135		WP0236.0	1/22/97	0000025935	12/16/96

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WSSRAP ID	PARAMETER	CONC	ERR	DL	UNITS	VAL QUAL	COMMENTS	METHOD	MATRIX	CATEGORY	DIL FACT	LAB ID	LAB QUAL	LAB REQU	DATE ANA	SAMPLINK	DATE SAMPLED
SC-10910-S	AROCLOR-1248	ND		42	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	13154014	U	QT2080.0	12/19/96	0000025936	12/16/96
SC-10910-S	AROCLOR-1254	ND		42	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	13154014	U	QT2080.0	12/19/96	0000025936	12/16/96
SC-10910-S	AROCLOR-1260	ND		42	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	13154014	U	QT2080.0	12/19/96	0000025936	12/16/96
SC-10910-S	ARSENIC	5.5		0.45	UG/G	*		EPA CLP	SOIL	METALS	1.00	13154014		QT2080.0	12/18/96	0000025936	12/16/96
SC-10910-S	BENZO(A)ANTHRACENE	ND		44	UG/KG	*		EPA 8310	SOIL	SEMI-VOLATILES	1.00	13154014	U	QT2080.0	12/19/96	0000025936	12/16/96
SC-10910-S	BENZO(A)PYRENE	ND		44	UG/KG	*		EPA 8310	SOIL	SEMI-VOLATILES	1.00	13154014	U	QT2080.0	12/19/96	0000025936	12/16/96
SC-10910-S	BENZO(B)FLUORANTHENE	ND		44	UG/KG	*		EPA 8310	SOIL	SEMI-VOLATILES	1.00	13154014	U	QT2080.0	12/19/96	0000025936	12/16/96
SC-10910-S	BENZO(K)FLUORANTHENE	ND		44	UG/KG	*		EPA 8310	SOIL	SEMI-VOLATILES	1.00	13154014	U	QT2080.0	12/19/96	0000025936	12/16/96
SC-10910-S	CHROMIUM	13.6		0.38	UG/G	*		EPA CLP	SOIL	METALS	1.00	13154014		QT2080.0	12/18/96	0000025936	12/16/96
SC-10910-S	CHRYSENE	ND		44	UG/KG	*		EPA 8310	SOIL	SEMI-VOLATILES	1.00	13154014	U	QT2080.0	12/19/96	0000025936	12/16/96
SC-10910-S	INDENO(1,2,3-CD)PYRENE	ND		44	UG/KG	*		EPA 8310	SOIL	SEMI-VOLATILES	1.00	13154014	U	QT2080.0	12/19/96	0000025936	12/16/96
SC-10910-S	LEAD	11.6		0.20	UG/G	*		EPA CLP	SOIL	METALS	1.00	13154014		QT2080.0	12/18/96	0000025936	12/16/96
SC-10910-S	RADIUM-226	1.02	0.12	0.36	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5136		WP0236.0	1/22/97	0000025936	12/16/96
SC-10910-S	RADIUM-228	1.48	0.19	0.54	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5136		WP0236.0	1/22/97	0000025936	12/16/96
SC-10910-S	THORIUM-230	0.82	0.09	0.72	PCI/G	*		EML TH-01	SOIL	RADIOCHEMICAL	1.00	WSC5136		WP0236.0	12/19/96	0000025936	12/16/96
SC-10910-S	URANIUM-238	ND		3.94	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5136		WP0236.0	1/22/97	0000025936	12/16/96
SC-10911-S	URANIUM-238	ND		3.49	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5138		WP0236.0	12/19/96	0000025937	12/16/96
SC-10912-S	URANIUM-238	ND		3.74	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5139		WP0236.0	12/19/96	0000025938	12/16/96
SC-10913-C	AROCLOR-1248	ND		42	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	13154016	U	QT2080.0	12/19/96	0000025939	12/16/96
SC-10913-C	AROCLOR-1254	ND		42	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	13154016	U	QT2080.0	12/19/96	0000025939	12/16/96
SC-10913-C	AROCLOR-1260	ND		42	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	13154016	U	QT2080.0	12/19/96	0000025939	12/16/96
SC-10913-C	ARSENIC	7.6		0.46	UG/G	*		EPA CLP	SOIL	METALS	1.00	13154016		QT2080.0	12/18/96	0000025939	12/16/96
SC-10913-C	CHROMIUM	16.2		0.38	UG/G	*		EPA CLP	SOIL	METALS	1.00	13154016		QT2080.0	12/18/96	0000025939	12/16/96
SC-10913-C	LEAD	11.5		0.20	UG/G	*		EPA CLP	SOIL	METALS	1.00	13154016		QT2080.0	12/18/96	0000025939	12/16/96
SC-10913-C	RADIUM-226	1.06	0.09	0.32	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5140		WP0236.0	1/22/97	0000025939	12/16/96
SC-10913-C	RADIUM-228	1.27	0.14	0.52	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5140		WP0236.0	1/22/97	0000025939	12/16/96
SC-10913-C	THORIUM-230	0.84	0.09	0.72	PCI/G	*		EML TH-01	SOIL	RADIOCHEMICAL	1.00	WSC5140		WP0236.0	12/19/96	0000025939	12/16/96
SC-10913-S	AROCLOR-1248	ND		41	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	12817001	U	QT2043.0	11/16/96	0000025940	11/13/96
SC-10913-S	AROCLOR-1254	ND		41	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	12817001	U	QT2043.0	11/16/96	0000025940	11/13/96
SC-10913-S	AROCLOR-1260	ND		41	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	12817001	U	QT2043.0	11/16/96	0000025940	11/13/96
SC-10913-S	ARSENIC	7.1		0.45	UG/G	*		EPA CLP	SOIL	METALS	1.00	12817001		QT2043.0	11/14/96	0000025940	11/13/96
SC-10913-S	BENZO(A)ANTHRACENE	ND		43	UG/KG	*		EPA 8310	SOIL	SEMI-VOLATILES	1.00	12817001	U	QT2043.0	11/16/96	0000025940	11/13/96
SC-10913-S	BENZO(A)PYRENE	ND		43	UG/KG	*		EPA 8310	SOIL	SEMI-VOLATILES	1.00	12817001	U	QT2043.0	11/16/96	0000025940	11/13/96
SC-10913-S	BENZO(B)FLUORANTHENE	ND		43	UG/KG	*		EPA 8310	SOIL	SEMI-VOLATILES	1.00	12817001	U	QT2043.0	11/16/96	0000025940	11/13/96
SC-10913-S	BENZO(K)FLUORANTHENE	ND		43	UG/KG	*		EPA 8310	SOIL	SEMI-VOLATILES	1.00	12817001	U	QT2043.0	11/16/96	0000025940	11/13/96
SC-10913-S	CHROMIUM	21.9		0.37	UG/G	*		EPA CLP	SOIL	METALS	1.00	12817001		QT2043.0	11/14/96	0000025940	11/13/96
SC-10913-S	CHRYSENE	ND		43	UG/KG	*		EPA 8310	SOIL	SEMI-VOLATILES	1.00	12817001	U	QT2043.0	11/16/96	0000025940	11/13/96
SC-10913-S	INDENO(1,2,3-CD)PYRENE	ND		43	UG/KG	*		EPA 8310	SOIL	SEMI-VOLATILES	1.00	12817001	U	QT2043.0	11/16/96	0000025940	11/13/96
SC-10913-S	LEAD	17.5		0.20	UG/G	*		EPA CLP	SOIL	METALS	1.00	12817001		QT2043.0	11/14/96	0000025940	11/13/96
SC-10913-S	RADIUM-226	1.58	0.13	0.24	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC4541		WP0200.0	12/22/96	0000025940	11/13/96
SC-10913-S	RADIUM-228	1.53	0.19	0.24	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC4541		WP0200.0	12/22/96	0000025940	11/13/96
SC-10913-S	THORIUM-230	1.13	0.12	0.72	PCI/G	*		EML TH-01	SOIL	RADIOCHEMICAL	1.00	WSC4541		WP0200.0	11/17/96	0000025940	11/13/96
SC-10913-S	URANIUM-238	ND		5.06	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC4541		WP0200.0	12/22/96	0000025940	11/13/96
SC-10914-S	AROCLOR-1248	ND		42	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	12817002	U	QT2043.0	11/16/96	0000025941	11/13/96
SC-10914-S	AROCLOR-1254	ND		42	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	12817002	U	QT2043.0	11/16/96	0000025941	11/13/96
SC-10914-S	AROCLOR-1260	ND		42	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	12817002	U	QT2043.0	11/16/96	0000025941	11/13/96
SC-10914-S	ARSENIC	5.3		0.46	UG/G	*		EPA CLP	SOIL	METALS	1.00	12817002		QT2043.0	11/14/96	0000025941	11/13/96
SC-10914-S	BENZO(A)ANTHRACENE	420		44	UG/KG	*		EPA 8310	SOIL	SEMI-VOLATILES	1.00	12817002		QT2043.0	11/16/96	0000025941	11/13/96
SC-10914-S	BENZO(A)PYRENE	ND		44	UG/KG	*		EPA 8310	SOIL	SEMI-VOLATILES	1.00	12817002	U	QT2043.0	11/16/96	0000025941	11/13/96
SC-10914-S	BENZO(B)FLUORANTHENE	ND		44	UG/KG	*		EPA 8310	SOIL	SEMI-VOLATILES	1.00	12817002	U	QT2043.0	11/16/96	0000025941	11/13/96
SC-10914-S	BENZO(K)FLUORANTHENE	ND		44	UG/KG	*		EPA 8310	SOIL	SEMI-VOLATILES	1.00	12817002	U	QT2043.0	11/16/96	0000025941	11/13/96

APPENDIX D TABLE D-1

WSSRAP ID	PARAMETER	CONC	ERR	DL	UNITS	VAL QUAL	COMMENTS	METHOD	MATRIX	CATEGORY	DIL FACT	LAB ID	LAB QUAL	LAB REQU	DATE ANA	SAMPLINK	DATE SAMPLED
SC-10914-S	CHROMIUM	13.0		0.38	UG/G	*		EPA CLP	SOIL	METALS	1.00	12817002		QT2043.0	11/14/96	0000025941	11/13/96
SC-10914-S	CHRYSENE	ND		44	UG/KG	*		EPA 8310	SOIL	SEMI-VOLATILES	1.00	12817002	U	QT2043.0	11/18/96	0000025941	11/13/96
SC-10914-S	INDENO(1,2,3-CD)PYRENE	ND		44	UG/KG	*		EPA 8310	SOIL	SEMI-VOLATILES	1.00	12817002	U	QT2043.0	11/18/96	0000025941	11/13/96
SC-10914-S	LEAD	8.5		0.20	UG/G	*		EPA CLP	SOIL	METALS	1.00	12817002		QT2043.0	11/14/96	0000025941	11/13/96
SC-10914-S	RADIUM-226	0.92	0.09	0.25	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC4542		WP0200.0	12/22/96	0000025941	11/13/96
SC-10914-S	RADIUM-228	1.40	0.14	0.46	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC4542		WP0200.0	12/22/96	0000025941	11/13/96
SC-10914-S	THORIUM-230	1.10	0.13	0.72	PCI/G	*		EML TH-01	SOIL	RADIOCHEMICAL	1.00	WSC4542		WP0200.0	11/17/96	0000025941	11/13/96
SC-10914-S	URANIUM-238	ND		3.41	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC4542		WP0200.0	12/22/96	0000025941	11/13/96
SC-10915-S	AROCLOR-1248	ND		42	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	12817003	U	QT2043.0	11/16/96	0000025942	11/13/96
SC-10915-S	AROCLOR-1254	ND		42	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	12817003	U	QT2043.0	11/16/96	0000025942	11/13/96
SC-10915-S	AROCLOR-1260	ND		42	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	12817003	U	QT2043.0	11/16/96	0000025942	11/13/96
SC-10915-S	ARSENIC	2.7		0.46	UG/G	*		EPA CLP	SOIL	METALS	1.00	12817003		QT2043.0	11/14/96	0000025942	11/13/96
SC-10915-S	BENZO(A)ANTHRACENE	430		44	UG/KG	*		EPA 8310	SOIL	SEMI-VOLATILES	1.00	12817003		QT2043.0	11/18/96	0000025942	11/13/96
SC-10915-S	BENZO(A)PYRENE	44		44	UG/KG	*		EPA 8310	SOIL	SEMI-VOLATILES	1.00	12817003	U	QT2043.0	11/18/96	0000025942	11/13/96
SC-10915-S	BENZO(B)FLUORANTHENE	44		44	UG/KG	*		EPA 8310	SOIL	SEMI-VOLATILES	1.00	12817003	U	QT2043.0	11/18/96	0000025942	11/13/96
SC-10915-S	BENZO(K)FLUORANTHENE	44		44	UG/KG	*		EPA 8310	SOIL	SEMI-VOLATILES	1.00	12817003	U	QT2043.0	11/18/96	0000025942	11/13/96
SC-10915-S	CHROMIUM	11.9		0.38	UG/G	*		EPA CLP	SOIL	METALS	1.00	12817003		QT2043.0	11/14/96	0000025942	11/13/96
SC-10915-S	CHRYSENE	44		44	UG/KG	*		EPA 8310	SOIL	SEMI-VOLATILES	1.00	12817003	U	QT2043.0	11/18/96	0000025942	11/13/96
SC-10915-S	INDENO(1,2,3-CD)PYRENE	44		44	UG/KG	*		EPA 8310	SOIL	SEMI-VOLATILES	1.00	12817003	U	QT2043.0	11/18/96	0000025942	11/13/96
SC-10915-S	LEAD	8.9		0.20	UG/G	*		EPA CLP	SOIL	METALS	1.00	12817003		QT2043.0	11/14/96	0000025942	11/13/96
SC-10915-S	RADIUM-226	1.07	0.12	0.43	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC4543		WP0200.0	12/22/96	0000025942	11/13/96
SC-10915-S	RADIUM-228	1.47	0.19	0.59	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC4543		WP0200.0	12/22/96	0000025942	11/13/96
SC-10915-S	THORIUM-230	1.00	0.11	0.72	PCI/G	*		EML TH-01	SOIL	RADIOCHEMICAL	1.00	WSC4543		WP0200.0	11/17/96	0000025942	11/13/96
SC-10915-S	URANIUM-238	(2.40)	1.09	3.34	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC4543		WP0200.0	12/22/96	0000025942	11/13/96
SC-10916-S	URANIUM-238	ND		4.07	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC4540		WP0199.0	11/15/96	0000025943	11/13/96
SC-10917-C	AROCLOR-1248	ND		43	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	12817007	U	QT2043.0	11/16/96	0000025944	11/13/96
SC-10917-C	AROCLOR-1254	ND		43	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	12817007	U	QT2043.0	11/16/96	0000025944	11/13/96
SC-10917-C	AROCLOR-1260	ND		43	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	12817007	U	QT2043.0	11/16/96	0000025944	11/13/96
SC-10917-C	ARSENIC	4.8		0.47	UG/G	*		EPA CLP	SOIL	METALS	1.00	12817007		QT2043.0	11/14/96	0000025944	11/13/96
SC-10917-C	CHROMIUM	14.2		0.39	UG/G	*		EPA CLP	SOIL	METALS	1.00	12817007		QT2043.0	11/14/96	0000025944	11/13/96
SC-10917-C	LEAD	14.6		0.21	UG/G	*		EPA CLP	SOIL	METALS	1.00	12817007		QT2043.0	11/14/96	0000025944	11/13/96
SC-10917-C	RADIUM-226	1.34	0.09	0.26	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC4544		WP0200.0	12/22/96	0000025944	11/13/96
SC-10917-C	RADIUM-228	1.33	0.14	0.39	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC4544		WP0200.0	12/22/96	0000025944	11/13/96
SC-10917-C	THORIUM-230	1.16	0.13	0.72	PCI/G	*		EML TH-01	SOIL	RADIOCHEMICAL	1.00	WSC4544		WP0200.0	11/17/96	0000025944	11/13/96
SC-10917-C	URANIUM-238	3.64	0.82	2.77	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC4544		WP0200.0	12/22/96	0000025944	11/13/96
SC-10917-S	AROCLOR-1248	ND		42	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	12817004	U	QT2043.0	11/16/96	0000025945	11/13/96
SC-10917-S	AROCLOR-1254	ND		42	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	12817004	U	QT2043.0	11/16/96	0000025945	11/13/96
SC-10917-S	AROCLOR-1260	ND		42	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	12817004	U	QT2043.0	11/16/96	0000025945	11/13/96
SC-10917-S	ARSENIC	4.3		0.45	UG/G	*		EPA CLP	SOIL	METALS	1.00	12817004		QT2043.0	11/14/96	0000025945	11/13/96
SC-10917-S	BENZO(A)ANTHRACENE	420		44	UG/KG	*		EPA 8310	SOIL	SEMI-VOLATILES	1.00	12817004		QT2043.0	11/19/96	0000025945	11/13/96
SC-10917-S	BENZO(A)PYRENE	ND		44	UG/KG	*		EPA 8310	SOIL	SEMI-VOLATILES	1.00	12817004	U	QT2043.0	11/19/96	0000025945	11/13/96
SC-10917-S	BENZO(B)FLUORANTHENE	ND		44	UG/KG	*		EPA 8310	SOIL	SEMI-VOLATILES	1.00	12817004	U	QT2043.0	11/19/96	0000025945	11/13/96
SC-10917-S	BENZO(K)FLUORANTHENE	ND		44	UG/KG	*		EPA 8310	SOIL	SEMI-VOLATILES	1.00	12817004	U	QT2043.0	11/19/96	0000025945	11/13/96
SC-10917-S	CHROMIUM	13.9		0.38	UG/G	*		EPA CLP	SOIL	METALS	1.00	12817004		QT2043.0	11/14/96	0000025945	11/13/96
SC-10917-S	CHRYSENE	ND		44	UG/KG	*		EPA 8310	SOIL	SEMI-VOLATILES	1.00	12817004	U	QT2043.0	11/19/96	0000025945	11/13/96
SC-10917-S	INDENO(1,2,3-CD)PYRENE	ND		44	UG/KG	*		EPA 8310	SOIL	SEMI-VOLATILES	1.00	12817004	U	QT2043.0	11/19/96	0000025945	11/13/96
SC-10917-S	LEAD	13.6		0.20	UG/G	*		EPA CLP	SOIL	METALS	1.00	12817004		QT2043.0	11/14/96	0000025945	11/13/96
SC-10917-S	RADIUM-226	1.36	0.11	0.35	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC4545		WP0200.0	12/22/96	0000025945	11/13/96
SC-10917-S	RADIUM-228	1.72	0.15	0.30	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC4545		WP0200.0	12/22/96	0000025945	11/13/96
SC-10917-S	THORIUM-230	0.98	0.10	0.72	PCI/G	*		EML TH-01	SOIL	RADIOCHEMICAL	1.00	WSC4545		WP0200.0	11/17/96	0000025945	11/13/96
SC-10917-S	URANIUM-238	22.2	2.39	3.71	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC4545		WP0200.0	12/22/96	0000025945	11/13/96

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WSSRAP ID	PARAMETER	CONC	ERR	DL	UNITS	VAL QUAL	COMMENTS	METHOD	MATRIX	CATEGORY	DIL FACT	LAB ID	LAB QUAL	LAB REQU	DATE ANA	SAMPLINK	DATE SAMPLED
SC-10918-C	AROCLOR-1248	ND		42	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	12817008	U	QT2043.0	11/16/96	0000025946	11/13/96
SC-10918-C	AROCLOR-1254	ND		42	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	12817008	U	QT2043.0	11/16/96	0000025946	11/13/96
SC-10918-C	AROCLOR-1260	ND		42	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	12817008	U	QT2043.0	11/16/96	0000025946	11/13/96
SC-10918-C	ARSENIC	13.2		0.46	UG/G	*		EPA CLP	SOIL	METALS	1.00	12817008		QT2043.0	11/14/96	0000025946	11/13/96
SC-10918-C	CHROMIUM	23.6		0.38	UG/G	*		EPA CLP	SOIL	METALS	1.00	12817008		QT2043.0	11/14/96	0000025946	11/13/96
SC-10918-C	LEAD	116		0.20	UG/G	*		EPA CLP	SOIL	METALS	1.00	12817008		QT2043.0	11/14/96	0000025946	11/13/96
SC-10918-C	RADIUM-226	1.19	0.12	0.38	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC4546		WP0200.0	12/22/96	0000025946	11/13/96
SC-10918-C	RADIUM-228	1.54	0.21	0.59	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC4546		WP0200.0	12/22/96	0000025946	11/13/96
SC-10918-C	THORIUM-230	1.21	0.13	0.72	PCI/G	*		EML TH-01	SOIL	RADIOCHEMICAL	1.00	WSC4546		WP0200.0	11/17/96	0000025946	11/13/96
SC-10918-C	URANIUM-238	ND		4.51	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC4546		WP0200.0	12/22/96	0000025946	11/13/96
SC-10918-S	AROCLOR-1248	ND		43	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	12817005	U	QT2043.0	11/16/96	0000025947	11/13/96
SC-10918-S	AROCLOR-1254	ND		43	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	12817005	U	QT2043.0	11/16/96	0000025947	11/13/96
SC-10918-S	AROCLOR-1260	ND		43	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	12817005	U	QT2043.0	11/16/96	0000025947	11/13/96
SC-10918-S	ARSENIC	5.5		0.47	UG/G	*		EPA CLP	SOIL	METALS	1.00	12817005		QT2043.0	11/14/96	0000025947	11/13/96
SC-10918-S	BENZO(A)ANTHRACENE	ND		46	UG/KG	*		EPA 8310	SOIL	SEMI-VOLATILES	1.00	12817005	U	QT2043.0	11/19/96	0000025947	11/13/96
SC-10918-S	BENZO(A)PYRENE	ND		46	UG/KG	*		EPA 8310	SOIL	SEMI-VOLATILES	1.00	12817005	U	QT2043.0	11/19/96	0000025947	11/13/96
SC-10918-S	BENZO(B)FLUORANTHENE	ND		46	UG/KG	*		EPA 8310	SOIL	SEMI-VOLATILES	1.00	12817005	U	QT2043.0	11/19/96	0000025947	11/13/96
SC-10918-S	BENZO(K)FLUORANTHENE	ND		46	UG/KG	*		EPA 8310	SOIL	SEMI-VOLATILES	1.00	12817005	U	QT2043.0	11/19/96	0000025947	11/13/96
SC-10918-S	CHROMIUM	16.3		0.39	UG/G	*		EPA CLP	SOIL	METALS	1.00	12817005		QT2043.0	11/14/96	0000025947	11/13/96
SC-10918-S	CHRYSENE	ND		46	UG/KG	*		EPA 8310	SOIL	SEMI-VOLATILES	1.00	12817005	U	QT2043.0	11/19/96	0000025947	11/13/96
SC-10918-S	INDENO(1,2,3-CD)PYRENE	ND		46	UG/KG	*		EPA 8310	SOIL	SEMI-VOLATILES	1.00	12817005	U	QT2043.0	11/19/96	0000025947	11/13/96
SC-10918-S	LEAD	9.8		0.21	UG/G	*		EPA CLP	SOIL	METALS	1.00	12817005		QT2043.0	11/14/96	0000025947	11/13/96
SC-10918-S	RADIUM-226	1.30	0.10	0.32	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC4547		WP0200.0	12/22/96	0000025947	11/13/96
SC-10918-S	RADIUM-228	1.80	0.16	0.41	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC4547		WP0200.0	12/22/96	0000025947	11/13/96
SC-10918-S	THORIUM-230	0.95	0.10	0.72	PCI/G	*		EML TH-01	SOIL	RADIOCHEMICAL	1.00	WSC4547		WP0200.0	11/17/96	0000025947	11/13/96
SC-10918-S	URANIUM-238	ND		3.22	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC4547		WP0200.0	12/22/96	0000025947	11/13/96
SC-10919-C	AROCLOR-1248	ND		43	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	12817009	U	QT2043.0	11/16/96	0000025949	11/13/96
SC-10919-C	AROCLOR-1254	76		43	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	12817009		QT2043.0	11/16/96	0000025949	11/13/96
SC-10919-C	AROCLOR-1260	ND		43	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	12817009	U	QT2043.0	11/16/96	0000025949	11/13/96
SC-10919-C	ARSENIC	4.6		0.47	UG/G	*		EPA CLP	SOIL	METALS	1.00	12817009		QT2043.0	11/14/96	0000025949	11/13/96
SC-10919-C	CHROMIUM	16.7		0.39	UG/G	*		EPA CLP	SOIL	METALS	1.00	12817009		QT2043.0	11/14/96	0000025949	11/13/96
SC-10919-C	LEAD	6.6		0.21	UG/G	*		EPA CLP	SOIL	METALS	1.00	12817009		QT2043.0	11/14/96	0000025949	11/13/96
SC-10919-C	RADIUM-226	1.06	0.09	0.31	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC4548		WP0200.0	12/22/96	0000025949	11/13/96
SC-10919-C	RADIUM-228	1.50	0.15	0.56	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC4548		WP0200.0	12/22/96	0000025949	11/13/96
SC-10919-C	THORIUM-230	0.99	0.11	0.72	PCI/G	*		EML TH-01	SOIL	RADIOCHEMICAL	1.00	WSC4548		WP0200.0	11/17/96	0000025949	11/13/96
SC-10919-C	URANIUM-238	ND		3.45	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC4548		WP0200.0	12/22/96		11/13/96
SC-10919-S	AROCLOR-1248	ND		43	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	12817006	U	QT2043.0	11/16/96	0000025948	11/13/96
SC-10919-S	AROCLOR-1254	ND		43	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	12817006	U	QT2043.0	11/16/96	0000025948	11/13/96
SC-10919-S	AROCLOR-1260	ND		43	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	12817006	U	QT2043.0	11/16/96	0000025948	11/13/96
SC-10919-S	ARSENIC	2.8		0.46	UG/G	*		EPA CLP	SOIL	METALS	1.00	12817006		QT2043.0	11/14/96	0000025948	11/13/96
SC-10919-S	BENZO(A)ANTHRACENE	ND		45	UG/KG	*		EPA 8310	SOIL	SEMI-VOLATILES	1.00	12817006	U	QT2043.0	11/19/96	0000025948	11/13/96
SC-10919-S	BENZO(A)PYRENE	ND		45	UG/KG	*		EPA 8310	SOIL	SEMI-VOLATILES	1.00	12817006	U	QT2043.0	11/19/96	0000025948	11/13/96
SC-10919-S	BENZO(B)FLUORANTHENE	ND		45	UG/KG	*		EPA 8310	SOIL	SEMI-VOLATILES	1.00	12817006	U	QT2043.0	11/19/96	0000025948	11/13/96
SC-10919-S	BENZO(K)FLUORANTHENE	ND		45	UG/KG	*		EPA 8310	SOIL	SEMI-VOLATILES	1.00	12817006	U	QT2043.0	11/19/96	0000025948	11/13/96
SC-10919-S	CHROMIUM	6.6		0.39	UG/G	*		EPA CLP	SOIL	METALS	1.00	12817006		QT2043.0	11/14/96	0000025948	11/13/96
SC-10919-S	CHRYSENE	ND		45	UG/KG	*		EPA 8310	SOIL	SEMI-VOLATILES	1.00	12817006	U	QT2043.0	11/19/96	0000025948	11/13/96
SC-10919-S	INDENO(1,2,3-CD)PYRENE	ND		45	UG/KG	*		EPA 8310	SOIL	SEMI-VOLATILES	1.00	12817006	U	QT2043.0	11/19/96	0000025948	11/13/96
SC-10919-S	LEAD	6.0		0.21	UG/G	*		EPA CLP	SOIL	METALS	1.00	12817006		QT2043.0	11/14/96	0000025948	11/13/96
SC-10919-S	RADIUM-226	0.96	0.11	0.42	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC4549		WP0200.0	12/22/96	0000025948	11/13/96
SC-10919-S	RADIUM-228	1.45	0.17	0.40	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC4549		WP0200.0	12/22/96	0000025948	11/13/96
SC-10919-S	THORIUM-230	0.76	0.07	0.72	PCI/G	*		EML TH-01	SOIL	RADIOCHEMICAL	1.00	WSC4549		WP0200.0	11/17/96	0000025948	11/13/96

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WSSRAP ID	PARAMETER	CONC	ERR	DL	UNITS	VAL QUAL	COMMENTS	METHOD	MATRIX	CATEGORY	DIL FACT	LAB ID	LAB QUAL	LAB REQU	DATE ANA	SAMPLINK	DATE SAMPLED
SC-10919-S	URANIUM-238	ND		3.97	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC4549		WP0200.0	12/22/96	0000025948	11/13/96
SC-10920-S	AROCLOR-1248	ND		39	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	12817010	U	QT2043.0	11/16/96	0000025950	11/13/96
SC-10920-S	AROCLOR-1254	44		39	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	12817010		QT2043.0	11/16/96	0000025950	11/13/96
SC-10920-S	AROCLOR-1260	ND		39	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	12817010	U	QT2043.0	11/16/96	0000025950	11/13/96
SC-10920-S	RADIUM-226	1.41	0.11	0.35	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC4550		WP0200.0	12/22/96	0000025950	11/13/96
SC-10920-S	RADIUM-228	1.51	0.14	0.51	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC4550		WP0200.0	12/22/96	0000025950	11/13/96
SC-10920-S	THORIUM-230	0.95	0.10	0.72	PCI/G	*		EML TH-01	SOIL	RADIOCHEMICAL	1.00	WSC4550		WP0200.0	11/17/96	0000025950	11/13/96
SC-10920-S	URANIUM-238	ND		3.32	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC4550		WP0200.0	12/22/96	0000025950	11/13/96
SC-10921-S	AROCLOR-1248	ND		41	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	12435024	U	QT2012.0	10/14/96	0000025951	10/8/96
SC-10921-S	AROCLOR-1254	ND		41	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	12435024	U	QT2012.0	10/14/96	0000025951	10/8/96
SC-10921-S	AROCLOR-1260	ND		41	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	12435024	U	QT2012.0	10/14/96	0000025951	10/8/96
SC-10921-S	RADIUM-226	1.43	0.12	0.35	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC4180		WP0161.0	11/19/96	0000025951	10/8/96
SC-10921-S	RADIUM-228	ND		1.34	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC4180		WP0161.0	11/19/96	0000025951	10/8/96
SC-10921-S	THORIUM-230	0.61	0.08	0.72	PCI/G	*		EML TH-01	SOIL	RADIOCHEMICAL	1.00	WSC4180		WP0161.0	10/16/96	0000025951	10/8/96
SC-10921-S	URANIUM-238	ND		4.45	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC4180		WP0161.0	11/19/96	0000025951	10/8/96
SC-10922-S	AROCLOR-1248	ND		39	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	12435025	U	QT2012.0	10/14/96	0000025952	10/8/96
SC-10922-S	AROCLOR-1254	ND		39	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	12435025	U	QT2012.0	10/14/96	0000025952	10/8/96
SC-10922-S	AROCLOR-1260	ND		39	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	12435025	U	QT2012.0	10/14/96	0000025952	10/8/96
SC-10922-S	RADIUM-226	1.39	0.10	0.29	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC4181		WP0161.0	11/19/96	0000025952	10/8/96
SC-10922-S	RADIUM-228	1.47	0.14	0.34	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC4181		WP0161.0	11/19/96	0000025952	10/8/96
SC-10922-S	THORIUM-230	1.06	0.12	0.72	PCI/G	*		EML TH-01	SOIL	RADIOCHEMICAL	1.00	WSC4181		WP0161.0	10/16/96	0000025952	10/8/96
SC-10922-S	URANIUM-238	ND		3.07	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC4181		WP0161.0	11/19/96	0000025952	10/8/96
SC-10923-S	AROCLOR-1248	ND		39	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	12435026	U	QT2012.0	10/14/96	0000025953	10/8/96
SC-10923-S	AROCLOR-1254	ND		39	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	12435026	U	QT2012.0	10/14/96	0000025953	10/8/96
SC-10923-S	AROCLOR-1260	ND		39	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	12435026	U	QT2012.0	10/14/96	0000025953	10/8/96
SC-10923-S	RADIUM-226	1.26	0.13	0.34	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC4182		WP0161.0	11/19/96	0000025953	10/8/96
SC-10923-S	RADIUM-228	1.67	0.21	0.31	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC4182		WP0161.0	11/19/96	0000025953	10/8/96
SC-10923-S	THORIUM-230	1.16	0.14	0.72	PCI/G	*		EML TH-01	SOIL	RADIOCHEMICAL	1.00	WSC4182		WP0161.0	10/16/96	0000025953	10/8/96
SC-10923-S	URANIUM-238	ND		3.92	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC4182		WP0161.0	11/19/96	0000025953	10/8/96
SC-10924-S	AROCLOR-1248	ND		37	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	12435027	U	QT2012.0	10/14/96	0000025954	10/8/96
SC-10924-S	AROCLOR-1254	1500		37	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	12435027		QT2012.0	10/14/96	0000025954	10/8/96
SC-10924-S	AROCLOR-1260	ND		37	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	12435027	U	QT2012.0	10/14/96	0000025954	10/8/96
SC-10924-S	RADIUM-226	1.11	0.10	0.28	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC4183		WP0161.0	11/19/96	0000025954	10/8/96
SC-10924-S	RADIUM-228	1.79	0.16	0.52	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC4183		WP0161.0	11/19/96	0000025954	10/8/96
SC-10924-S	THORIUM-230	1.42	0.17	0.72	PCI/G	*		EML TH-01	SOIL	RADIOCHEMICAL	1.00	WSC4183		WP0161.0	10/16/96	0000025954	10/8/96
SC-10924-S	URANIUM-238	7.90	1.25	3.48	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC4183		WP0161.0	11/19/96	0000025954	10/8/96
SC-11001-S	AROCLOR-1248	ND		42	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	13152001	U	QT2079.0	12/19/96	0000025955	12/16/96
SC-11001-S	AROCLOR-1254	ND		42	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	13152001	U	QT2079.0	12/19/96	0000025955	12/16/96
SC-11001-S	AROCLOR-1260	ND		42	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	13152001	U	QT2079.0	12/19/96	0000025955	12/16/96
SC-11001-S	CHROMIUM	21.4		0.38	UG/G	*		EPA CLP	SOIL	METALS	1.00	13152001		QT2079.0	12/18/96	0000025955	12/16/96
SC-11001-S	LEAD	9.0		0.21	UG/G	*		EPA CLP	SOIL	METALS	1.00	13152001		QT2079.0	12/18/96	0000025955	12/16/96
SC-11001-S	RADIUM-226	1.21	0.11	0.30	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5099		WP0235.0	1/20/97	0000025955	12/16/96
SC-11001-S	RADIUM-228	1.42	0.19	0.39	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5099		WP0235.0	1/20/97	0000025955	12/16/96
SC-11001-S	THORIUM-230	0.82	0.10	0.72	PCI/G	*		EML TH-01	SOIL	RADIOCHEMICAL	1.00	WSC5099		WP0235.0	12/20/96	0000025955	12/16/96
SC-11001-S	URANIUM-238	ND		3.92	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5099		WP0235.0	1/20/97	0000025955	12/16/96
SC-11002-S	AROCLOR-1248	ND		41	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	13152002	U	QT2079.0	12/19/96	0000025956	12/16/96
SC-11002-S	AROCLOR-1254	ND		41	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	13152002	U	QT2079.0	12/19/96	0000025956	12/16/96
SC-11002-S	AROCLOR-1260	ND		41	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	13152002	U	QT2079.0	12/19/96	0000025956	12/16/96
SC-11002-S	BENZO(A)ANTHRACENE	ND		43	UG/KG	*		EPA 8310	SOIL	SEMI-VOLATILES	1.00	13152002	U	QT2079.0	12/18/96	0000025956	12/16/96
SC-11002-S	BENZO(A)PYRENE	ND		43	UG/KG	*		EPA 8310	SOIL	SEMI-VOLATILES	1.00	13152002	U	QT2079.0	12/18/96	0000025956	12/16/96
SC-11002-S	BENZO(B)FLUORANTHENE	ND		43	UG/KG	*		EPA 8310	SOIL	SEMI-VOLATILES	1.00	13152002	U	QT2079.0	12/18/96	0000025956	12/16/96

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WSSRAP ID	PARAMETER	CONC	ERR	DL	UNITS	VAL QUAL	COMMENTS	METHOD	MATRIX	CATEGORY	DIL FACT	LAB ID	LAB QUAL	LAB REQU	DATE ANA	SAMPLINK	DATE SAMPLED
SC-11002-S	BENZO(K)FLUORANTHENE	ND		43	UG/KG	*		EPA 8310	SOIL	SEMI-VOLATILES	1.00	13152002	U	QT2079.0	12/18/96	0000025956	12/16/96
SC-11002-S	CHROMIUM	11.2		0.37	UG/G	*		EPA CLP	SOIL	METALS	1.00	13152002		QT2079.0	12/18/96	0000025956	12/16/96
SC-11002-S	CHRYSENE	ND		43	UG/KG	*		EPA 8310	SOIL	SEMI-VOLATILES	1.00	13152002	U	QT2079.0	12/18/96	0000025956	12/16/96
SC-11002-S	INDENO(1,2,3-CD)PYRENE	ND		43	UG/KG	*		EPA 8310	SOIL	SEMI-VOLATILES	1.00	13152002	U	QT2079.0	12/18/96	0000025956	12/16/96
SC-11002-S	LEAD	13.1		0.20	UG/G	*		EPA CLP	SOIL	METALS	1.00	13152002		QT2079.0	12/18/96	0000025956	12/16/96
SC-11002-S	RADIUM-226	1.06	0.12	0.32	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5100		WP0235.0	1/20/97	0000025956	12/16/96
SC-11002-S	RADIUM-228	1.81	0.18	0.28	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5100		WP0235.0	1/20/97	0000025956	12/16/96
SC-11002-S	THORIUM-230	0.81	0.08	0.72	PCI/G	*		EML TH-01	SOIL	RADIOCHEMICAL	1.00	WSC5100		WP0235.0	1/3/97	0000025956	12/16/96
SC-11002-S	URANIUM-238	ND		4.11	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5100		WP0235.0	1/20/97	0000025956	12/16/96
SC-11003-S	BENZO(A)ANTHRACENE	ND		41	UG/KG	*		EPA 8310	SOIL	SEMI-VOLATILES	1.00	13152003	U	QT2079.0	12/18/96	0000025957	12/16/96
SC-11003-S	BENZO(A)PYRENE	ND		41	UG/KG	*		EPA 8310	SOIL	SEMI-VOLATILES	1.00	13152003	U	QT2079.0	12/18/96	0000025957	12/16/96
SC-11003-S	BENZO(B)FLUORANTHENE	ND		41	UG/KG	*		EPA 8310	SOIL	SEMI-VOLATILES	1.00	13152003	U	QT2079.0	12/18/96	0000025957	12/16/96
SC-11003-S	BENZO(K)FLUORANTHENE	ND		41	UG/KG	*		EPA 8310	SOIL	SEMI-VOLATILES	1.00	13152003	U	QT2079.0	12/18/96	0000025957	12/16/96
SC-11003-S	CHRYSENE	ND		41	UG/KG	*		EPA 8310	SOIL	SEMI-VOLATILES	1.00	13152003	U	QT2079.0	12/18/96	0000025957	12/16/96
SC-11003-S	INDENO(1,2,3-CD)PYRENE	ND		41	UG/KG	*		EPA 8310	SOIL	SEMI-VOLATILES	1.00	13152003	U	QT2079.0	12/18/96	0000025957	12/16/96
SC-11003-S	URANIUM-238	ND		3.04	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5101		WP0235.0	12/19/96	0000025957	12/16/96
SC-11004-S	AROCLOR-1248	ND		40	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	13152004	U	QT2079.0	12/19/96	0000025958	12/16/96
SC-11004-S	AROCLOR-1254	ND		40	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	13152004	U	QT2079.0	12/19/96	0000025958	12/16/96
SC-11004-S	AROCLOR-1260	ND		40	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	13152004	U	QT2079.0	12/19/96	0000025958	12/16/96
SC-11004-S	CHROMIUM	12.6		0.36	UG/G	*		EPA CLP	SOIL	METALS	1.00	13152004		QT2079.0	12/18/96	0000025958	12/16/96
SC-11004-S	LEAD	13.7		0.19	UG/G	*		EPA CLP	SOIL	METALS	1.00	13152004		QT2079.0	12/18/96	0000025958	12/16/96
SC-11004-S	RADIUM-226	1.20	0.09	0.24	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5102		WP0235.0	1/20/97	0000025958	12/16/96
SC-11004-S	RADIUM-228	1.40	0.13	0.41	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5102		WP0235.0	1/20/97	0000025958	12/16/96
SC-11004-S	THORIUM-230	0.75	0.09	0.72	PCI/G	*		EML TH-01	SOIL	RADIOCHEMICAL	1.00	WSC5102		WP0235.0	12/20/96	0000025958	12/16/96
SC-11004-S	URANIUM-238	(2.10)	0.80	3.16	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5102		WP0235.0	1/20/97	0000025958	12/16/96
SC-11005-C	AROCLOR-1248	ND		40	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	13152005	U	QT2079.0	12/19/96	0000025960	12/16/96
SC-11005-C	AROCLOR-1254	ND		40	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	13152005	U	QT2079.0	12/19/96	0000025960	12/16/96
SC-11005-C	AROCLOR-1260	ND		40	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	13152005	U	QT2079.0	12/19/96	0000025960	12/16/96
SC-11005-C	BENZO(A)ANTHRACENE	ND		42	UG/KG	*		EPA 8310	SOIL	SEMI-VOLATILES	1.00	13152005	U	QT2079.0	12/18/96	0000025960	12/16/96
SC-11006-C	BENZO(A)PYRENE	ND		42	UG/KG	*		EPA 8310	SOIL	SEMI-VOLATILES	1.00	13152005	U	QT2079.0	12/18/96	0000025960	12/16/96
SC-11005-C	BENZO(B)FLUORANTHENE	ND		42	UG/KG	*		EPA 8310	SOIL	SEMI-VOLATILES	1.00	13152005	U	QT2079.0	12/18/96	0000025960	12/16/96
SC-11005-C	BENZO(K)FLUORANTHENE	ND		42	UG/KG	*		EPA 8310	SOIL	SEMI-VOLATILES	1.00	13152005	U	QT2079.0	12/18/96	0000025960	12/16/96
SC-11005-C	CHROMIUM	9.6		0.36	UG/G	*		EPA CLP	SOIL	METALS	1.00	13152005		QT2079.0	12/18/96	0000025960	12/16/96
SC-11005-C	CHRYSENE	ND		42	UG/KG	*		EPA 8310	SOIL	SEMI-VOLATILES	1.00	13152005	U	QT2079.0	12/18/96	0000025960	12/16/96
SC-11005-C	INDENO(1,2,3-CD)PYRENE	ND		42	UG/KG	*		EPA 8310	SOIL	SEMI-VOLATILES	1.00	13152005	U	QT2079.0	12/18/96	0000025960	12/16/96
SC-11005-C	LEAD	8.8		0.19	UG/G	*		EPA CLP	SOIL	METALS	1.00	13152005		QT2079.0	12/18/96	0000025960	12/16/96
SC-11005-C	RADIUM-226	0.96	0.10	0.33	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5103		WP0235.0	1/20/97	0000025960	12/16/96
SC-11005-C	RADIUM-228	1.79	0.20	0.61	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5103		WP0235.0	1/20/97	0000025960	12/16/96
SC-11005-C	THORIUM-230	0.92	0.11	0.72	PCI/G	*		EML TH-01	SOIL	RADIOCHEMICAL	1.00	WSC5103		WP0235.0	12/20/96	0000025960	12/16/96
SC-11005-S	AROCLOR-1248	ND		39	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	13152006	U	QT2079.0	12/19/96	0000025959	12/16/96
SC-11005-S	AROCLOR-1254	ND		39	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	13152006	U	QT2079.0	12/19/96	0000025959	12/16/96
SC-11005-S	AROCLOR-1260	ND		39	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	13152006	U	QT2079.0	12/19/96	0000025959	12/16/96
SC-11005-S	BENZO(A)ANTHRACENE	ND		41	UG/KG	*		EPA 8310	SOIL	SEMI-VOLATILES	1.00	13152006	U	QT2079.0	12/18/96	0000025959	12/16/96
SC-11005-S	BENZO(A)PYRENE	ND		41	UG/KG	*		EPA 8310	SOIL	SEMI-VOLATILES	1.00	13152006	U	QT2079.0	12/18/96	0000025959	12/16/96
SC-11005-S	BENZO(B)FLUORANTHENE	ND		41	UG/KG	*		EPA 8310	SOIL	SEMI-VOLATILES	1.00	13152006	U	QT2079.0	12/18/96	0000025959	12/16/96
SC-11005-S	BENZO(K)FLUORANTHENE	ND		41	UG/KG	*		EPA 8310	SOIL	SEMI-VOLATILES	1.00	13152006	U	QT2079.0	12/18/96	0000025959	12/16/96
SC-11005-S	CHROMIUM	14.6		0.35	UG/G	*		EPA CLP	SOIL	METALS	1.00	13152006		QT2079.0	12/18/96	0000025959	12/16/96
SC-11005-S	CHRYSENE	ND		41	UG/KG	*		EPA 8310	SOIL	SEMI-VOLATILES	1.00	13152006	U	QT2079.0	12/18/96	0000025959	12/16/96
SC-11005-S	INDENO(1,2,3-CD)PYRENE	ND		41	UG/KG	*		EPA 8310	SOIL	SEMI-VOLATILES	1.00	13152006	U	QT2079.0	12/18/96	0000025959	12/16/96
SC-11005-S	LEAD	11.0		0.19	UG/G	*		EPA CLP	SOIL	METALS	1.00	13152006		QT2079.0	12/18/96	0000025959	12/16/96
SC-11005-S	RADIUM-226	1.09	0.09	0.29	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5104		WP0235.0	1/20/97	0000025959	12/16/96

APPENDIX D TABLE D-1

WSSRAP ID	PARAMETER	CONC	ERR	DL	UNITS	VAL QUAL	COMMENTS	METHOD	MATRIX	CATEGORY	DIL FACT	LAB ID	LAB QUAL	LAB REQU	DATE ANA	SAMPLINK	DATE SAMPLED
SC-11005-S	RADIUM-226	1.63	0.15	0.44	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5104		WP0235.0	1/20/97	0000025959	12/16/96
SC-11005-S	THORIUM-230	0.76	0.08	0.72	PCI/G	*		EML TH-01	SOIL	RADIOCHEMICAL	1.00	WSC5104		WP0235.0	12/20/96	0000025959	12/16/96
SC-11005-S	URANIUM-238	ND		3.08	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5104		WP0235.0	1/20/97	0000025959	12/16/96
SC-11006-C	AROCLOR-1248	ND		41	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	13152007	U	QT2079.0	12/19/96	0000025961	12/16/96
SC-11006-C	AROCLOR-1254	ND		41	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	13152007	U	QT2079.0	12/19/96	0000025961	12/16/96
SC-11006-C	AROCLOR-1260	ND		41	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	13152007	U	QT2079.0	12/19/96	0000025961	12/16/96
SC-11006-C	CHROMIUM	13.3		0.37	UG/G	*		EPA CLP	SOIL	METALS	1.00	13152007		QT2079.0	12/18/96	0000025961	12/16/96
SC-11006-C	LEAD	8.2		0.20	UG/G	*		EPA CLP	SOIL	METALS	1.00	13152007		QT2079.0	12/18/96	0000025961	12/16/96
SC-11006-C	RADIUM-226	1.20	0.11	0.26	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5105		WP0235.0	1/21/97	0000025961	12/16/96
SC-11006-C	RADIUM-228	1.27	0.18	0.47	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5105		WP0235.0	1/21/97	0000025961	12/16/96
SC-11006-C	THORIUM-230	0.90	0.11	0.72	PCI/G	*		EML TH-01	SOIL	RADIOCHEMICAL	1.00	WSC5105		WP0235.0	12/20/96	0000025961	12/16/96
SC-11006-S	AROCLOR-1248	ND		40	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	13152008	U	QT2079.0	12/19/96	0000025962	12/16/96
SC-11006-S	AROCLOR-1254	ND		40	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	13152008	U	QT2079.0	12/19/96	0000025962	12/16/96
SC-11006-S	AROCLOR-1260	ND		40	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	13152008	U	QT2079.0	12/19/96	0000025962	12/16/96
SC-11006-S	BENZO(A)ANTHRACENE	ND		42	UG/KG	*		EPA 8310	SOIL	SEMI-VOLATILES	1.00	13152008	U	QT2079.0	12/18/96	0000025962	12/16/96
SC-11006-S	BENZO(A)PYRENE	ND		42	UG/KG	*		EPA 8310	SOIL	SEMI-VOLATILES	1.00	13152008	U	QT2079.0	12/18/96	0000025962	12/16/96
SC-11006-S	BENZO(B)FLUORANTHENE	ND		42	UG/KG	*		EPA 8310	SOIL	SEMI-VOLATILES	1.00	13152008	U	QT2079.0	12/18/96	0000025962	12/16/96
SC-11006-S	BENZO(K)FLUORANTHENE	ND		42	UG/KG	*		EPA 8310	SOIL	SEMI-VOLATILES	1.00	13152008	U	QT2079.0	12/18/96	0000025962	12/16/96
SC-11006-S	CHROMIUM	12.9		0.36	UG/G	*		EPA CLP	SOIL	METALS	1.00	13152008		QT2079.0	12/18/96	0000025962	12/16/96
SC-11006-S	CHRYSENE	ND		42	UG/KG	*		EPA 8310	SOIL	SEMI-VOLATILES	1.00	13152008	U	QT2079.0	12/18/96	0000025962	12/16/96
SC-11006-S	INDENO(1,2,3-CD)PYRENE	ND		42	UG/KG	*		EPA 8310	SOIL	SEMI-VOLATILES	1.00	13152008	U	QT2079.0	12/18/96	0000025962	12/16/96
SC-11006-S	LEAD	16.0		0.19	UG/G	*		EPA CLP	SOIL	METALS	1.00	13152008		QT2079.0	12/18/96	0000025962	12/16/96
SC-11006-S	RADIUM-226	1.16	0.09	0.30	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5106		WP0235.0	1/20/97	0000025962	12/16/96
SC-11006-S	RADIUM-228	1.45	0.14	0.45	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5106		WP0235.0	1/20/97	0000025962	12/16/96
SC-11006-S	THORIUM-230	0.89	0.13	0.72	PCI/G	*		EML TH-01	SOIL	RADIOCHEMICAL	1.00	WSC5106		WP0235.0	12/20/96	0000025962	12/16/96
SC-11006-S	URANIUM-238	ND		3.09	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5106		WP0235.0	1/20/97	0000025962	12/16/96
SC-11007-S	AROCLOR-1248	ND		42	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	13104001	U	QT2074.0	12/14/96	0000025963	12/11/96
SC-11007-S	AROCLOR-1254	ND		42	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	13104001	U	QT2074.0	12/14/96	0000025963	12/11/96
SC-11007-S	AROCLOR-1260	ND		42	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	13104001	U	QT2074.0	12/14/96	0000025963	12/11/96
SC-11007-S	BENZO(A)ANTHRACENE	ND		44	UG/KG	*		EPA 8310	SOIL	SEMI-VOLATILES	1.00	13104001	U	QT2074.0	12/16/96	0000025963	12/11/96
SC-11007-S	BENZO(A)PYRENE	ND		44	UG/KG	*		EPA 8310	SOIL	SEMI-VOLATILES	1.00	13104001	U	QT2074.0	12/16/96	0000025963	12/11/96
SC-11007-S	BENZO(B)FLUORANTHENE	ND		44	UG/KG	*		EPA 8310	SOIL	SEMI-VOLATILES	1.00	13104001	U	QT2074.0	12/16/96	0000025963	12/11/96
SC-11007-S	BENZO(K)FLUORANTHENE	ND		44	UG/KG	*		EPA 8310	SOIL	SEMI-VOLATILES	1.00	13104001	U	QT2074.0	12/16/96	0000025963	12/11/96
SC-11007-S	CHROMIUM	17.9		0.38	UG/G	*		EPA CLP	SOIL	METALS	1.00	13104001		QT2074.0	12/13/96	0000025963	12/11/96
SC-11007-S	CHRYSENE	ND		44	UG/KG	*		EPA 8310	SOIL	SEMI-VOLATILES	1.00	13104001	U	QT2074.0	12/16/96	0000025963	12/11/96
SC-11007-S	INDENO(1,2,3-CD)PYRENE	ND		44	UG/KG	*		EPA 8310	SOIL	SEMI-VOLATILES	1.00	13104001	U	QT2074.0	12/16/96	0000025963	12/11/96
SC-11007-S	LEAD	63.8		0.20	UG/G	*		EPA CLP	SOIL	METALS	1.00	13104001		QT2074.0	12/13/96	0000025963	12/11/96
SC-11007-S	RADIUM-226	1.14	0.12	0.41	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5049		WP0231.0	1/16/97	0000025963	12/11/96
SC-11007-S	RADIUM-228	1.67	0.18	0.48	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5049		WP0231.0	1/16/97	0000025963	12/11/96
SC-11007-S	THORIUM-230	0.81	0.09	0.72	PCI/G	*		EML TH-01	SOIL	RADIOCHEMICAL	1.00	WSC5049		WP0231.0	12/14/96	0000025963	12/11/96
SC-11007-S	URANIUM-238	ND		3.97	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5049		WP0231.0	1/16/97	0000025963	12/11/96
SC-11008-S	AROCLOR-1248	ND		39	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	13152009	U	QT2079.0	12/19/96	0000025964	12/16/96
SC-11008-S	AROCLOR-1254	ND		39	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	13152009	U	QT2079.0	12/19/96	0000025964	12/16/96
SC-11008-S	AROCLOR-1260	ND		39	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	13152009	U	QT2079.0	12/19/96	0000025964	12/16/96
SC-11008-S	BENZO(A)ANTHRACENE	ND		41	UG/KG	*		EPA 8310	SOIL	SEMI-VOLATILES	1.00	13152009	U	QT2079.0	12/18/96	0000025964	12/16/96
SC-11008-S	BENZO(A)PYRENE	ND		41	UG/KG	*		EPA 8310	SOIL	SEMI-VOLATILES	1.00	13152009	U	QT2079.0	12/18/96	0000025964	12/16/96
SC-11008-S	BENZO(B)FLUORANTHENE	ND		41	UG/KG	*		EPA 8310	SOIL	SEMI-VOLATILES	1.00	13152009	U	QT2079.0	12/18/96	0000025964	12/16/96
SC-11008-S	BENZO(K)FLUORANTHENE	ND		41	UG/KG	*		EPA 8310	SOIL	SEMI-VOLATILES	1.00	13152009	U	QT2079.0	12/18/96	0000025964	12/16/96
SC-11008-S	CHROMIUM	16.8		0.35	UG/G	*		EPA CLP	SOIL	METALS	1.00	13152009		QT2079.0	12/18/96	0000025964	12/16/96
SC-11008-S	CHRYSENE	ND		41	UG/KG	*		EPA 8310	SOIL	SEMI-VOLATILES	1.00	13152009	U	QT2079.0	12/18/96	0000025964	12/16/96
SC-11008-S	INDENO(1,2,3-CD)PYRENE	ND		41	UG/KG	*		EPA 8310	SOIL	SEMI-VOLATILES	1.00	13152009	U	QT2079.0	12/18/96	0000025964	12/16/96

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WSSRAP ID	PARAMETER	CONC	ERR	DL	UNITS	VAL QUAL	COMMENTS	METHOD	MATRIX	CATEGORY	DIL FACT	LAB ID	LAB QUAL	LAB REQU	DATE ANA	SAMPLINK	DATE SAMPLED
SC-11008-S	LEAD	10.0		0.19	UG/G	*		EPA CLP	SOIL	METALS	1.00	13152009		QT2079.0	12/16/96	0000025964	12/16/96
SC-11008-S	RADIUM-226	1.10	0.09	0.28	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5107		WP0235.0	1/21/97	0000025964	12/16/96
SC-11008-S	RADIUM-228	1.37	0.13	0.42	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5107		WP0235.0	1/21/97	0000025964	12/16/96
SC-11008-S	THORIUM-230	0.99	0.13	0.72	PCI/G	*		EML TH-01	SOIL	RADIOCHEMICAL	1.00	WSC5107		WP0235.0	12/20/96	0000025964	12/16/96
SC-11008-S	URANIUM-238	ND		3.25	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5107		WP0235.0	1/21/97	0000025964	12/16/96
SC-11009-C	AROCLOR-1248	ND		40	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	13152010	U	QT2079.0	12/19/96	0000025965	12/16/96
SC-11009-C	AROCLOR-1254	ND		40	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	13152010	U	QT2079.0	12/19/96	0000025965	12/16/96
SC-11009-C	AROCLOR-1260	ND		40	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	13152010	U	QT2079.0	12/19/96	0000025965	12/16/96
SC-11009-C	CHROMIUM	11.4		0.38	UG/G	*		EPA CLP	SOIL	METALS	1.00	13152010		QT2079.0	12/18/96	0000025965	12/16/96
SC-11009-C	LEAD	6.3		0.19	UG/G	*		EPA CLP	SOIL	METALS	1.00	13152010		QT2079.0	12/18/96	0000025965	12/16/96
SC-11009-C	RADIUM-226	1.12	0.09	0.29	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5108		WP0235.0	1/21/97	0000025965	12/16/96
SC-11009-C	RADIUM-228	1.22	0.14	0.44	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5108		WP0235.0	1/21/97	0000025965	12/16/96
SC-11009-C	THORIUM-230	0.82	0.09	0.72	PCI/G	*		EML TH-01	SOIL	RADIOCHEMICAL	1.00	WSC5108		WP0235.0	12/20/96	0000025965	12/16/96
SC-11009-S	AROCLOR-1248	ND		37	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	13152011	U	QT2079.0	12/19/96	0000025966	12/16/96
SC-11009-S	AROCLOR-1254	ND		37	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	13152011	U	QT2079.0	12/19/96	0000025966	12/16/96
SC-11009-S	AROCLOR-1260	ND		37	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	13152011	U	QT2079.0	12/19/96	0000025966	12/16/96
SC-11009-S	BENZO(A)ANTHRACENE	ND		39	UG/KG	*		EPA 8310	SOIL	SEMI-VOLATILES	1.00	13152011	U	QT2079.0	12/18/96	0000025966	12/16/96
SC-11009-S	BENZO(A)PYRENE	ND		39	UG/KG	*		EPA 8310	SOIL	SEMI-VOLATILES	1.00	13152011	U	QT2079.0	12/18/96	0000025966	12/16/96
SC-11009-S	BENZO(B)FLUORANTHENE	ND		39	UG/KG	*		EPA 8310	SOIL	SEMI-VOLATILES	1.00	13152011	U	QT2079.0	12/18/96	0000025966	12/16/96
SC-11009-S	BENZO(K)FLUORANTHENE	ND		39	UG/KG	*		EPA 8310	SOIL	SEMI-VOLATILES	1.00	13152011	U	QT2079.0	12/18/96	0000025966	12/16/96
SC-11009-S	CHROMIUM	15.0		0.34	UG/G	*		EPA CLP	SOIL	METALS	1.00	13152011		QT2079.0	12/18/96	0000025966	12/16/96
SC-11009-S	CHRYSENE	ND		39	UG/KG	*		EPA 8310	SOIL	SEMI-VOLATILES	1.00	13152011	U	QT2079.0	12/18/96	0000025966	12/16/96
SC-11009-S	INDENO(1,2,3-CD)PYRENE	ND		39	UG/KG	*		EPA 8310	SOIL	SEMI-VOLATILES	1.00	13152011	U	QT2079.0	12/18/96	0000025966	12/16/96
SC-11009-S	LEAD	10.9		0.18	UG/G	*		EPA CLP	SOIL	METALS	1.00	13152011		QT2079.0	12/18/96	0000025966	12/16/96
SC-11009-S	RADIUM-226	1.34	0.12	0.36	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5109		WP0235.0	1/21/97	0000025966	12/16/96
SC-11009-S	RADIUM-228	1.43	0.20	0.82	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5109		WP0235.0	1/21/97	0000025966	12/16/96
SC-11009-S	THORIUM-230	(0.68)	0.06	0.72	PCI/G	*		EML TH-01	SOIL	RADIOCHEMICAL	1.00	WSC5109		WP0235.0	12/20/96	0000025966	12/16/96
SC-11009-S	URANIUM-238	ND		4.11	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5109		WP0235.0	1/21/97	0000025966	12/16/96
SC-11010-C	AROCLOR-1248	ND		40	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	13152013	U	QT2079.0	12/19/96	0000025967	12/16/96
SC-11010-C	AROCLOR-1254	ND		40	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	13152013	U	QT2079.0	12/19/96	0000025967	12/16/96
SC-11010-C	AROCLOR-1260	ND		40	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	13152013	U	QT2079.0	12/19/96	0000025967	12/16/96
SC-11010-C	CHROMIUM	16.3		0.38	UG/G	*		EPA CLP	SOIL	METALS	1.00	13152013		QT2079.0	12/18/96	0000025967	12/16/96
SC-11010-C	LEAD	6.3		0.19	UG/G	*		EPA CLP	SOIL	METALS	1.00	13152013		QT2079.0	12/18/96	0000025967	12/16/96
SC-11010-C	RADIUM-226	1.14	0.12	0.42	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5111		WP0235.0	1/21/97	0000025967	12/16/96
SC-11010-C	RADIUM-228	0.96	0.17	0.56	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5111		WP0235.0	1/21/97	0000025967	12/16/96
SC-11010-C	THORIUM-230	0.89	0.10	0.72	PCI/G	*		EML TH-01	SOIL	RADIOCHEMICAL	1.00	WSC5111		WP0235.0	12/20/96	0000025967	12/16/96
SC-11010-S	AROCLOR-1248	ND		44	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	13104002	U	QT2074.0	12/14/96	0000025968	12/11/96
SC-11010-S	AROCLOR-1254	ND		44	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	13104002	U	QT2074.0	12/14/96	0000025968	12/11/96
SC-11010-S	AROCLOR-1260	ND		44	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	13104002	U	QT2074.0	12/14/96	0000025968	12/11/96
SC-11010-S	BENZO(A)ANTHRACENE	ND		46	UG/KG	*		EPA 8310	SOIL	SEMI-VOLATILES	1.00	13104002	U	QT2074.0	12/16/96	0000025968	12/11/96
SC-11010-S	BENZO(A)PYRENE	ND		46	UG/KG	*		EPA 8310	SOIL	SEMI-VOLATILES	1.00	13104002	U	QT2074.0	12/16/96	0000025968	12/11/96
SC-11010-S	BENZO(B)FLUORANTHENE	ND		46	UG/KG	*		EPA 8310	SOIL	SEMI-VOLATILES	1.00	13104002	U	QT2074.0	12/16/96	0000025968	12/11/96
SC-11010-S	BENZO(K)FLUORANTHENE	ND		46	UG/KG	*		EPA 8310	SOIL	SEMI-VOLATILES	1.00	13104002	U	QT2074.0	12/16/96	0000025968	12/11/96
SC-11010-S	CHROMIUM	24.7		0.39	UG/G	*		EPA CLP	SOIL	METALS	1.00	13104002		QT2074.0	12/13/96	0000025968	12/11/96
SC-11010-S	CHRYSENE	ND		46	UG/KG	*		EPA 8310	SOIL	SEMI-VOLATILES	1.00	13104002	U	QT2074.0	12/16/96	0000025968	12/11/96
SC-11010-S	INDENO(1,2,3-CD)PYRENE	ND		46	UG/KG	*		EPA 8310	SOIL	SEMI-VOLATILES	1.00	13104002	U	QT2074.0	12/16/96	0000025968	12/11/96
SC-11010-S	LEAD	13.0		0.21	UG/G	*		EPA CLP	SOIL	METALS	1.00	13104002		QT2074.0	12/13/96	0000025968	12/11/96
SC-11010-S	RADIUM-226	1.45	0.09	0.30	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5050		WP0231.0	1/16/97	0000025968	12/11/96
SC-11010-S	RADIUM-228	1.47	0.14	0.39	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5050		WP0231.0	1/16/97	0000025968	12/11/96
SC-11010-S	THORIUM-230	0.86	0.10	0.72	PCI/G	*		EML TH-01	SOIL	RADIOCHEMICAL	1.00	WSC5050		WP0231.0	12/14/96	0000025968	12/11/96
SC-11010-S	URANIUM-238	6.40	1.19	2.98	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5050		WP0231.0	1/16/97	0000025968	12/11/96

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WSSRAP ID	PARAMETER	CONC	ERR	DL	UNITS	VAL QUAL	COMMENTS	METHOD	MATRIX	CATEGORY	DIL FACT	LAB ID	LAB QUAL	LAB REQU	DATE ANA	SAMPLINK	DATE SAMPLED
SC-11011-C	AROCLOR-1248	ND		42	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	13152014	U	QT2079.0	12/19/96	0000025969	12/16/96
SC-11011-C	AROCLOR-1254	ND		42	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	13152014	U	QT2079.0	12/19/96	0000025969	12/16/96
SC-11011-C	AROCLOR-1260	ND		42	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	13152014	U	QT2079.0	12/19/96	0000025969	12/16/96
SC-11011-C	CHROMIUM	12.4		0.38	UG/G	*		EPA CLP	SOIL	METALS	1.00	13152014		QT2079.0	12/18/96	0000025969	12/16/96
SC-11011-C	LEAD	18.1		0.20	UG/G	*		EPA CLP	SOIL	METALS	1.00	13152014		QT2079.0	12/16/96	0000025969	12/16/96
SC-11011-C	RADIUM-226	1.16	0.10	0.38	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5112		WP0235.0	1/21/97	0000025969	12/16/96
SC-11011-C	RADIUM-228	1.65	0.15	0.48	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5112		WP0235.0	1/21/97	0000025969	12/16/96
SC-11011-C	THORIUM-230	0.99	0.11	0.72	PCI/G	*		EML TH-01	SOIL	RADIOCHEMICAL	1.00	WSC5112		WP0235.0	12/20/96	0000025969	12/16/96
SC-11011-S	AROCLOR-1248	ND		41	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	13152015	U	QT2079.0	12/19/96	0000025970	12/16/96
SC-11011-S	AROCLOR-1254	ND		41	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	13152015	U	QT2079.0	12/19/96	0000025970	12/16/96
SC-11011-S	AROCLOR-1260	650		41	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	13152015		QT2079.0	12/19/96	0000025970	12/16/96
SC-11011-S	BENZO(A)ANTHRACENE	ND		43	UG/KG	*		EPA 8310	SOIL	SEMI-VOLATILES	1.00	13152015	U	QT2079.0	12/18/96	0000025970	12/16/96
SC-11011-S	BENZO(A)PYRENE	ND		43	UG/KG	*		EPA 8310	SOIL	SEMI-VOLATILES	1.00	13152015	U	QT2079.0	12/18/96	0000025970	12/16/96
SC-11011-S	BENZO(B)FLUORANTHENE	ND		43	UG/KG	*		EPA 8310	SOIL	SEMI-VOLATILES	1.00	13152015	U	QT2079.0	12/18/96	0000025970	12/16/96
SC-11011-S	BENZO(K)FLUORANTHENE	ND		43	UG/KG	*		EPA 8310	SOIL	SEMI-VOLATILES	1.00	13152015	U	QT2079.0	12/18/96	0000025970	12/16/96
SC-11011-S	CHROMIUM	12.4		0.37	UG/G	*		EPA CLP	SOIL	METALS	1.00	13152015		QT2079.0	12/18/96	0000025970	12/16/96
SC-11011-S	CHRYSENE	ND		43	UG/KG	*		EPA 8310	SOIL	SEMI-VOLATILES	1.00	13152015	U	QT2079.0	12/18/96	0000025970	12/16/96
SC-11011-S	INDENO(1,2,3-CD)PYRENE	ND		43	UG/KG	*		EPA 8310	SOIL	SEMI-VOLATILES	1.00	13152015	U	QT2079.0	12/18/96	0000025970	12/16/96
SC-11011-S	LEAD	12.6		0.20	UG/G	*		EPA CLP	SOIL	METALS	1.00	13152015		QT2079.0	12/18/96	0000025970	12/16/96
SC-11011-S	RADIUM-226	1.04	0.11	0.37	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5113		WP0235.0	1/21/97	0000025970	12/16/96
SC-11011-S	RADIUM-228	1.33	0.19	0.59	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5113		WP0235.0	1/21/97	0000025970	12/16/96
SC-11011-S	THORIUM-230	1.24	0.15	0.72	PCI/G	*		EML TH-01	SOIL	RADIOCHEMICAL	1.00	WSC5113		WP0235.0	12/20/96	0000025970	12/16/96
SC-11011-S	URANIUM-238	ND		4.11	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5113		WP0235.0	1/21/97	0000025970	12/16/96
SC-11012-S	AROCLOR-1248	ND		42	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	13152016	U	QT2079.0	12/19/96	0000025971	12/16/96
SC-11012-S	AROCLOR-1254	ND		42	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	13152016	U	QT2079.0	12/19/96	0000025971	12/16/96
SC-11012-S	AROCLOR-1260	4900		42	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	13152016		QT2079.0	12/19/96	0000025971	12/16/96
SC-11012-S	BENZO(A)ANTHRACENE	98		44	UG/KG	*		EPA 8310	SOIL	SEMI-VOLATILES	1.00	13152016		QT2079.0	12/18/96	0000025971	12/16/96
SC-11012-S	BENZO(A)PYRENE	ND		44	UG/KG	*		EPA 8310	SOIL	SEMI-VOLATILES	1.00	13152016	U	QT2079.0	12/18/96	0000025971	12/16/96
SC-11012-S	BENZO(B)FLUORANTHENE	48		44	UG/KG	*		EPA 8310	SOIL	SEMI-VOLATILES	1.00	13152016		QT2079.0	12/18/96	0000025971	12/16/96
SC-11012-S	BENZO(K)FLUORANTHENE	ND		44	UG/KG	*		EPA 8310	SOIL	SEMI-VOLATILES	1.00	13152016	U	QT2079.0	12/18/96	0000025971	12/16/96
SC-11012-S	CHROMIUM	15.7		0.38	UG/G	*		EPA CLP	SOIL	METALS	1.00	13152016		QT2079.0	12/18/96	0000025971	12/16/96
SC-11012-S	CHRYSENE	48		44	UG/KG	*		EPA 8310	SOIL	SEMI-VOLATILES	1.00	13152016		QT2079.0	12/18/96	0000025971	12/16/96
SC-11012-S	INDENO(1,2,3-CD)PYRENE	ND		44	UG/KG	*		EPA 8310	SOIL	SEMI-VOLATILES	1.00	13152016	U	QT2079.0	12/18/96	0000025971	12/16/96
SC-11012-S	LEAD	19.6		0.20	UG/G	*		EPA CLP	SOIL	METALS	1.00	13152016		QT2079.0	12/18/96	0000025971	12/16/96
SC-11012-S	RADIUM-226	1.17	0.09	0.24	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5114		WP0235.0	1/21/97	0000025971	12/16/96
SC-11012-S	RADIUM-228	1.45	0.14	0.38	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5114		WP0235.0	1/21/97	0000025971	12/16/96
SC-11012-S	THORIUM-230	1.15	0.14	0.72	PCI/G	*		EML TH-01	SOIL	RADIOCHEMICAL	1.00	WSC5114		WP0235.0	12/21/96	0000025971	12/16/96
SC-11012-S	URANIUM-238	ND		3.27	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5114		WP0235.0	1/21/97	0000025971	12/16/96
SC-11013-S	AROCLOR-1248	ND		38	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	13104003	U	QT2074.0	12/14/96	0000025972	12/11/96
SC-11013-S	AROCLOR-1254	ND		38	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	13104003	U	QT2074.0	12/14/96	0000025972	12/11/96
SC-11013-S	AROCLOR-1260	ND		38	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	13104003	U	QT2074.0	12/14/96	0000025972	12/11/96
SC-11013-S	BENZO(A)ANTHRACENE	ND		40	UG/KG	*		EPA 8310	SOIL	SEMI-VOLATILES	1.00	13104003	U	QT2074.0	12/16/96	0000025972	12/11/96
SC-11013-S	BENZO(A)PYRENE	ND		40	UG/KG	*		EPA 8310	SOIL	SEMI-VOLATILES	1.00	13104003	U	QT2074.0	12/16/96	0000025972	12/11/96
SC-11013-S	BENZO(B)FLUORANTHENE	ND		40	UG/KG	*		EPA 8310	SOIL	SEMI-VOLATILES	1.00	13104003	U	QT2074.0	12/16/96	0000025972	12/11/96
SC-11013-S	BENZO(K)FLUORANTHENE	ND		40	UG/KG	*		EPA 8310	SOIL	SEMI-VOLATILES	1.00	13104003	U	QT2074.0	12/16/96	0000025972	12/11/96
SC-11013-S	CHROMIUM	16.4		0.34	UG/G	*		EPA CLP	SOIL	METALS	1.00	13104003		QT2074.0	12/13/96	0000025972	12/11/96
SC-11013-S	CHRYSENE	ND		40	UG/KG	*		EPA 8310	SOIL	SEMI-VOLATILES	1.00	13104003	U	QT2074.0	12/16/96	0000025972	12/11/96
SC-11013-S	INDENO(1,2,3-CD)PYRENE	ND		40	UG/KG	*		EPA 8310	SOIL	SEMI-VOLATILES	1.00	13104003	U	QT2074.0	12/16/96	0000025972	12/11/96
SC-11013-S	LEAD	21.5		0.18	UG/G	*		EPA CLP	SOIL	METALS	1.00	13104003		QT2074.0	12/13/96	0000025972	12/11/96
SC-11013-S	RADIUM-226	1.60	0.13	0.37	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5051		WP0231.0	1/16/97	0000025972	12/11/96
SC-11013-S	RADIUM-228	1.45	0.17	0.57	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5051		WP0231.0	1/16/97	0000025972	12/11/96

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WSSRAP ID	PARAMETER	CONC	ERR	DL	UNITS	VAL QUAL	COMMENTS	METHOD	MATRIX	CATEGORY	DIL FACT	LAB ID	LAB QUAL	LAB REQU	DATE ANA	SAMPLINK	DATE SAMPLED
SC-11013-S	THORIUM-230	1.21	0.14	0.72	PCI/G	*		EML TH-01	SOIL	RADIOCHEMICAL	1.00	WSC5051		WP0231.0	12/16/96	0000025972	12/11/96
SC-11013-S	URANIUM-238	11.0	1.96	5.27	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5051		WP0231.0	1/16/97	0000025972	12/11/96
SC-11014-S	AROCLOR-1248	ND		41	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	13152017	U	QT2079.0	12/19/96	0000025973	12/16/96
SC-11014-S	AROCLOR-1254	ND		41	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	13152017	U	QT2079.0	12/19/96	0000025973	12/16/96
SC-11014-S	AROCLOR-1260	ND		41	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	13152017	U	QT2079.0	12/19/96	0000025973	12/16/96
SC-11014-S	BENZO(A)ANTHRACENE	ND		43	UG/KG	*		EPA 8310	SOIL	SEMI-VOLATILES	1.00	13152017	U	QT2079.0	12/18/96	0000025973	12/16/96
SC-11014-S	BENZO(A)PYRENE	ND		43	UG/KG	*		EPA 8310	SOIL	SEMI-VOLATILES	1.00	13152017	U	QT2079.0	12/18/96	0000025973	12/16/96
SC-11014-S	BENZO(B)FLUORANTHENE	ND		43	UG/KG	*		EPA 8310	SOIL	SEMI-VOLATILES	1.00	13152017	U	QT2079.0	12/18/96	0000025973	12/16/96
SC-11014-S	BENZO(K)FLUORANTHENE	ND		43	UG/KG	*		EPA 8310	SOIL	SEMI-VOLATILES	1.00	13152017	U	QT2079.0	12/18/96	0000025973	12/16/96
SC-11014-S	CHROMIUM	17.8		0.37	UG/G	*		EPA CLP	SOIL	METALS	1.00	13152017		QT2079.0	12/18/96	0000025973	12/16/96
SC-11014-S	CHRYSENE	ND		43	UG/KG	*		EPA 8310	SOIL	SEMI-VOLATILES	1.00	13152017	U	QT2079.0	12/18/96	0000025973	12/16/96
SC-11014-S	INDENO(1,2,3-CD)PYRENE	ND		43	UG/KG	*		EPA 8310	SOIL	SEMI-VOLATILES	1.00	13152017	U	QT2079.0	12/18/96	0000025973	12/16/96
SC-11014-S	LEAD	21.1		0.20	UG/G	*		EPA CLP	SOIL	METALS	1.00	13152017		QT2079.0	12/18/96	0000025973	12/16/96
SC-11014-S	RADIUM-226	1.31	0.12	0.31	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5115		WP0235.0	1/21/97	0000025973	12/16/96
SC-11014-S	RADIUM-228	ND		1.40	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5115		WP0235.0	1/21/97	0000025973	12/16/96
SC-11014-S	THORIUM-230	0.63	0.10	0.72	PCI/G	*		EML TH-01	SOIL	RADIOCHEMICAL	1.00	WSC5115		WP0235.0	12/21/96	0000025973	12/16/96
SC-11014-S	URANIUM-238	ND		4.23	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5115		WP0235.0	1/21/97	0000025973	12/16/96
SC-11015-C	AROCLOR-1248	ND		41	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	13152018	U	QT2079.0	12/19/96	0000025975	12/16/96
SC-11015-C	AROCLOR-1254	ND		41	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	13152018	U	QT2079.0	12/19/96	0000025975	12/16/96
SC-11015-C	AROCLOR-1260	ND		41	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	13152018	U	QT2079.0	12/19/96	0000025975	12/16/96
SC-11015-C	CHROMIUM	18.1		0.38	UG/G	*		EPA CLP	SOIL	METALS	1.00	13152018		QT2079.0	12/18/96	0000025975	12/16/96
SC-11015-C	LEAD	9.6		0.20	UG/G	*		EPA CLP	SOIL	METALS	1.00	13152018		QT2079.0	12/18/96	0000025975	12/16/96
SC-11015-C	RADIUM-226	1.13	0.09	0.33	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5116		WP0235.0	1/21/97	0000025975	12/16/96
SC-11015-C	RADIUM-228	1.23	0.13	0.45	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5116		WP0235.0	1/21/97	0000025975	12/16/96
SC-11015-C	THORIUM-230	1.10	0.13	0.72	PCI/G	*		EML TH-01	SOIL	RADIOCHEMICAL	1.00	WSC5116		WP0235.0	12/21/96	0000025975	12/16/96
SC-11015-S	AROCLOR-1248	ND		42	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	13152020	U	QT2079.0	12/19/96	0000025974	12/16/96
SC-11015-S	AROCLOR-1254	ND		42	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	13152020	U	QT2079.0	12/19/96	0000025974	12/16/96
SC-11015-S	AROCLOR-1260	ND		42	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	13152020	U	QT2079.0	12/19/96	0000025974	12/16/96
SC-11015-S	BENZO(A)ANTHRACENE	ND		44	UG/KG	*		EPA 8310	SOIL	SEMI-VOLATILES	1.00	13152020	U	QT2079.0	12/18/96	0000025974	12/16/96
SC-11015-S	BENZO(A)PYRENE	ND		44	UG/KG	*		EPA 8310	SOIL	SEMI-VOLATILES	1.00	13152020	U	QT2079.0	12/18/96	0000025974	12/16/96
SC-11015-S	BENZO(B)FLUORANTHENE	ND		44	UG/KG	*		EPA 8310	SOIL	SEMI-VOLATILES	1.00	13152020	U	QT2079.0	12/18/96	0000025974	12/16/96
SC-11015-S	BENZO(K)FLUORANTHENE	ND		44	UG/KG	*		EPA 8310	SOIL	SEMI-VOLATILES	1.00	13152020	U	QT2079.0	12/18/96	0000025974	12/16/96
SC-11015-S	CHROMIUM	14.6		0.38	UG/G	*		EPA CLP	SOIL	METALS	1.00	13152020		QT2079.0	12/18/96	0000025974	12/16/96
SC-11015-S	CHRYSENE	ND		44	UG/KG	*		EPA 8310	SOIL	SEMI-VOLATILES	1.00	13152020	U	QT2079.0	12/18/96	0000025974	12/16/96
SC-11015-S	INDENO(1,2,3-CD)PYRENE	ND		44	UG/KG	*		EPA 8310	SOIL	SEMI-VOLATILES	1.00	13152020	U	QT2079.0	12/18/96	0000025974	12/16/96
SC-11015-S	LEAD	11.4		0.20	UG/G	*		EPA CLP	SOIL	METALS	1.00	13152020		QT2079.0	12/18/96	0000025974	12/16/96
SC-11015-S	RADIUM-226	1.43	0.13	0.40	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5118		WP0235.0	1/21/97	0000025974	12/16/96
SC-11015-S	RADIUM-228	ND		1.50	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5118		WP0235.0	1/21/97	0000025974	12/16/96
SC-11015-S	THORIUM-230	0.80	0.07	0.72	PCI/G	*		EML TH-01	SOIL	RADIOCHEMICAL	1.00	WSC5118		WP0235.0	12/21/96	0000025974	12/16/96
SC-11015-S	URANIUM-238	ND		4.14	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5118		WP0235.0	1/21/97	0000025974	12/16/96
SC-11016-S	URANIUM-238	ND		4.26	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5052		WP0231.0	12/14/96	0000025976	12/11/96
SC-11017-S	URANIUM-238	ND		4.59	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5053		WP0231.0	12/14/96	0000025977	12/11/96
SC-11018-S	AROCLOR-1248	ND		42	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	13104005	U	QT2074.0	12/14/96	0000025978	12/11/96
SC-11018-S	AROCLOR-1254	ND		42	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	13104005	U	QT2074.0	12/14/96	0000025978	12/11/96
SC-11018-S	AROCLOR-1260	ND		42	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	13104005	U	QT2074.0	12/14/96	0000025978	12/11/96
SC-11018-S	BENZO(A)ANTHRACENE	ND		44	UG/KG	*		EPA 8310	SOIL	SEMI-VOLATILES	1.00	13104005	U	QT2074.0	12/16/96	0000025978	12/11/96
SC-11018-S	BENZO(A)PYRENE	ND		44	UG/KG	*		EPA 8310	SOIL	SEMI-VOLATILES	1.00	13104005	U	QT2074.0	12/16/96	0000025978	12/11/96
SC-11018-S	BENZO(B)FLUORANTHENE	ND		44	UG/KG	*		EPA 8310	SOIL	SEMI-VOLATILES	1.00	13104005	U	QT2074.0	12/16/96	0000025978	12/11/96
SC-11018-S	BENZO(K)FLUORANTHENE	ND		44	UG/KG	*		EPA 8310	SOIL	SEMI-VOLATILES	1.00	13104005	U	QT2074.0	12/16/96	0000025978	12/11/96
SC-11018-S	CHRYSENE	ND		44	UG/KG	*		EPA 8310	SOIL	SEMI-VOLATILES	1.00	13104005	U	QT2074.0	12/16/96	0000025978	12/11/96
SC-11018-S	INDENO(1,2,3-CD)PYRENE	ND		44	UG/KG	*		EPA 8310	SOIL	SEMI-VOLATILES	1.00	13104005	U	QT2074.0	12/16/96	0000025978	12/11/96

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WSSRAP ID	PARAMETER	CONC	ERR	DL	UNITS	VAL QUAL	COMMENTS	METHOD	MATRIX	CATEGORY	DIL FACT	LAB ID	LAB QUAL	LAB REQU	DATE ANA	SAMPLINK	DATE SAMPLED
SC-11018-S	RADIUM-226	1.86	0.11	0.35	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5054		WP0231.0	1/16/97	0000025978	12/11/96
SC-11018-S	RADIUM-228	1.63	0.16	0.47	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5054		WP0231.0	1/16/97	0000025978	12/11/96
SC-11018-S	URANIUM-238	ND		3.32	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5054		WP0231.0	1/16/97	0000025978	12/11/96
SC-11101-S	URANIUM-238	ND		4.10	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5055		WP0231.0	12/14/96	0000025979	12/11/96
SC-11102-S	AROCLOR-1248	ND		41	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	13104004	U	QT2074.0	12/14/96	0000025980	12/11/96
SC-11102-S	AROCLOR-1254	ND		41	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	13104004	U	QT2074.0	12/14/96	0000025980	12/11/96
SC-11102-S	AROCLOR-1260	ND		41	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	13104004	U	QT2074.0	12/14/96	0000025980	12/11/96
SC-11102-S	BENZO(A)ANTHRACENE	ND		43	UG/KG	*		EPA 8310	SOIL	SEMI-VOLATILES	1.00	13104004	U	QT2074.0	12/16/96	0000025980	12/11/96
SC-11102-S	BENZO(A)PYRENE	ND		43	UG/KG	*		EPA 8310	SOIL	SEMI-VOLATILES	1.00	13104004	U	QT2074.0	12/16/96	0000025980	12/11/96
SC-11102-S	BENZO(B)FLUORANTHENE	ND		43	UG/KG	*		EPA 8310	SOIL	SEMI-VOLATILES	1.00	13104004	U	QT2074.0	12/16/96	0000025980	12/11/96
SC-11102-S	BENZO(K)FLUORANTHENE	ND		43	UG/KG	*		EPA 8310	SOIL	SEMI-VOLATILES	1.00	13104004	U	QT2074.0	12/16/96	0000025980	12/11/96
SC-11102-S	CHROMIUM	19.2		0.37	UG/G	*		EPA CLP	SOIL	METALS	1.00	13104004		QT2074.0	12/13/96	0000025980	12/11/96
SC-11102-S	CHRYSENE	ND		43	UG/KG	*		EPA 8310	SOIL	SEMI-VOLATILES	1.00	13104004	U	QT2074.0	12/16/96	0000025980	12/11/96
SC-11102-S	INDENO(1,2,3-CD)PYRENE	ND		43	UG/KG	*		EPA 8310	SOIL	SEMI-VOLATILES	1.00	13104004	U	QT2074.0	12/16/96	0000025980	12/11/96
SC-11102-S	LEAD	24.6		0.20	UG/G	*		EPA CLP	SOIL	METALS	1.00	13104004		QT2074.0	12/13/96	0000025980	12/11/96
SC-11102-S	RADIUM-226	1.05	0.12	0.45	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5056		WP0231.0	1/16/97	0000025980	12/11/96
SC-11102-S	RADIUM-228	1.86	0.20	0.49	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5056		WP0231.0	1/16/97	0000025980	12/11/96
SC-11102-S	THORIUM-230	1.11	0.13	0.72	PCI/G	*		EML TH-01	SOIL	RADIOCHEMICAL	1.00	WSC5056		WP0231.0	12/16/96	0000025980	12/11/96
SC-11102-S	URANIUM-238	ND		5.14	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5056		WP0231.0	1/16/97	0000025980	12/11/96
SC-11103-S	URANIUM-238	ND		3.01	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5057		WP0231.0	12/14/96	0000025981	12/11/96
SC-11104-S	AROCLOR-1248	ND		41	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	13104006	U	QT2074.0	12/14/96	0000025982	12/11/96
SC-11104-S	AROCLOR-1254	ND		41	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	13104006	U	QT2074.0	12/14/96	0000025982	12/11/96
SC-11104-S	AROCLOR-1260	ND		41	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	13104006	U	QT2074.0	12/14/96	0000025982	12/11/96
SC-11104-S	CHROMIUM	19.9		0.37	UG/G	*		EPA CLP	SOIL	METALS	1.00	13104006		QT2074.0	12/13/96	0000025982	12/11/96
SC-11104-S	LEAD	19.7		0.20	UG/G	*		EPA CLP	SOIL	METALS	1.00	13104006		QT2074.0	12/13/96	0000025982	12/11/96
SC-11104-S	RADIUM-226	1.48	0.11	0.34	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5058		WP0231.0	1/16/97	0000025982	12/11/96
SC-11104-S	RADIUM-228	1.28	0.14	0.51	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5058		WP0231.0	1/16/97	0000025982	12/11/96
SC-11104-S	THORIUM-230	1.02	0.11	0.72	PCI/G	*		EML TH-01	SOIL	RADIOCHEMICAL	1.00	WSC5058		WP0231.0	12/16/96	0000025982	12/11/96
SC-11104-S	URANIUM-238	ND		3.26	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5058		WP0231.0	1/16/97	0000025982	12/11/96
SC-11105-S	URANIUM-238	ND		3.31	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5060		WP0231.0	12/14/96	0000025983	12/11/96
SC-11106-S	URANIUM-238	8.44	0.70	2.19	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5061		WP0231.0	12/14/96	0000025984	12/11/96
SC-11107-S	URANIUM-238	ND		2.93	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5062		WP0231.0	12/14/96	0000025985	12/11/96
SC-11108-S	URANIUM-238	9.12	1.28	2.63	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5063		WP0231.0	12/13/96	0000025986	12/11/96
SC-11109-S	URANIUM-238	ND		4.38	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5064		WP0231.0	12/14/96	0000025987	12/11/96
SC-11110-S	URANIUM-238	3.11	0.63	2.21	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5065		WP0231.0	12/14/96	0000025988	12/11/96
SC-11111-S	URANIUM-238	ND		3.06	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5066		WP0231.0	12/14/96	0000025989	12/11/96
SC-11112-S	URANIUM-238	ND		4.41	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5067		WP0231.0	12/14/96	0000025991	12/11/96
SC-11113-S	URANIUM-238	14.8	1.86	2.58	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5068		WP0231.0	12/14/96	0000025992	12/11/96
SC-11114-S	URANIUM-238	11.5	1.89	4.42	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5069		WP0231.0	12/14/96	0000025993	12/11/96
SC-11115-S	URANIUM-238	ND		3.21	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5070		WP0231.0	12/14/96	0000025994	12/11/96
SC-11116-S	URANIUM-238	ND		3.13	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5071		WP0231.0	12/14/96	0000025996	12/11/96
SC-11117-S	URANIUM-238	(2.71)	1.01	3.01	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC4432		WP0194.0	11/14/96	0000025997	11/11/96
SC-11118-S	URANIUM-238	(1.64)	1.16	3.73	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC4433		WP0194.0	11/12/96	0000025998	11/11/96
SC-11119-S	URANIUM-238	ND		4.26	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC4434		WP0194.0	11/14/96	0000025999	11/11/96
SC-11120-S	URANIUM-238	ND		4.37	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC4435		WP0194.0	11/12/96	0000026000	11/11/96
SC-11121-S	URANIUM-238	ND		3.15	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC4436		WP0194.0	11/13/96	0000026001	11/11/96
SC-11201-S	URANIUM-238	ND		3.76	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5075		WP0232.0	12/16/96	0000026002	12/11/96
SC-11202-S	URANIUM-238	ND		3.30	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5076		WP0232.0	12/16/96	0000026021	12/11/96
SC-11203-S	URANIUM-238	ND		3.83	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5077		WP0232.0	12/16/96	0000026022	12/11/96
SC-11204-S	URANIUM-238	ND		3.17	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5078		WP0232.0	12/16/96	0000026023	12/11/96
SC-11205-S	URANIUM-238	ND		4.14	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5079		WP0232.0	12/16/96	0000026024	12/11/96

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WSSRAP ID	PARAMETER	CONC	ERR	DL	UNITS	VAL QUAL	COMMENTS	METHOD	MATRIX	CATEGORY	DIL FACT	LAB ID	LAB QUAL	LAB REQU	DATE ANA	SAMPLINK	DATE SAMPLED
SC-11206-S	URANIUM-238	(1.64)	1.07	3.46	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5080		WP0232.0	12/16/96	0000026025	12/11/96
SC-11207-S	URANIUM-238	ND		3.30	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5081		WP0232.0	12/16/96	0000026026	12/11/96
SC-11208-S	URANIUM-238	ND		4.18	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5086		WP0232.0	12/16/96	0000026027	12/12/96
SC-11209-S	URANIUM-238	ND		3.97	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5087		WP0232.0	12/16/96	0000026028	12/12/96
SC-11210-S	URANIUM-238	3.70	0.82	3.03	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5088		WP0232.0	12/16/96	0000026029	12/12/96
SC-11211-S	URANIUM-238	ND		3.97	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5089		WP0232.0	12/16/96	0000026030	12/12/96
SC-11212-S	URANIUM-238	5.69	0.95	2.58	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5090		WP0232.0	12/16/96	0000026031	12/12/96
SC-11213-S	URANIUM-238	ND		4.45	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5091		WP0232.0	12/16/96	0000026032	12/12/96
SC-11214-S	URANIUM-238	ND		4.00	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5092		WP0232.0	12/16/96	0000026033	12/12/96
SC-11215-S	URANIUM-238	ND		3.02	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5093		WP0232.0	12/16/96	0000026034	12/12/96
SC-11216-S	URANIUM-238	4.14	1.14	3.04	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5094		WP0232.0	12/16/96	0000026035	12/12/96
SC-11217-S	URANIUM-238	ND		4.42	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5095		WP0232.0	12/16/96	0000026036	12/12/96
SC-11218-S	URANIUM-238	5.41	0.91	2.74	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5096		WP0232.0	12/16/96	0000026037	12/12/96
SC-11219-S	URANIUM-238	ND		4.05	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5097		WP0232.0	12/16/96	0000026038	12/12/96
SC-11220-S	URANIUM-238	ND		4.04	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC4762		WP0213.0	11/25/96	0000026039	11/22/96
SC-11221-S	URANIUM-238	ND		3.08	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC4763		WP0213.0	11/25/96	0000026040	11/22/96
SC-11222-S	URANIUM-238	(1.52)	0.96	3.17	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC4764		WP0213.0	11/25/96	0000026041	11/22/96
SC-11223-S	URANIUM-238	ND		3.24	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5098		WP0232.0	12/16/96	0000026042	12/12/96
SC-11224-S	URANIUM-238	ND		3.67	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC4437		WP0194.0	11/12/96	0000026043	11/11/96
SC-11225-S	URANIUM-238	ND		3.96	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC4438		WP0194.0	11/13/96	0000026044	11/11/96
SC-11301-S	URANIUM-238	ND		4.07	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5245		WP0256.0	1/28/97	0000026045	1/23/97
SC-11302-S	URANIUM-238	ND		3.14	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5246		WP0256.0	1/28/97	0000026046	1/23/97
SC-11303-S	URANIUM-238	2.14	0.59	1.98	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5247		WP0256.0	1/25/97	0000026047	1/23/97
SC-11304-S	URANIUM-238	ND		3.13	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5248		WP0256.0	1/25/97	0000026048	1/23/97
SC-11305-S	URANIUM-238	ND		2.94	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5249		WP0256.0	1/28/97	0000026049	1/23/97
SC-11306-S	URANIUM-238	ND		3.98	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5250		WP0256.0	1/27/97	0000026050	1/23/97
SC-11307-S	URANIUM-238	ND		4.12	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5251		WP0256.0	1/27/97	0000026051	1/23/97
SC-11308-S	URANIUM-238	3.40	0.72	2.47	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5252		WP0256.0	1/27/97	0000026052	1/23/97
SC-11309-S	URANIUM-238	ND		4.90	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5253		WP0256.0	1/27/97	0000026053	1/23/97
SC-11310-S	URANIUM-238	ND		2.97	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5254		WP0256.0	1/27/97	0000026054	1/23/97
SC-11311-S	URANIUM-238	ND		4.23	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5255		WP0256.0	1/25/97	0000026055	1/23/97
SC-11312-S	URANIUM-238	4.08	0.74	2.16	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5256		WP0256.0	1/27/97	0000026056	1/23/97
SC-11313-S	URANIUM-238	ND		3.29	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5258		WP0256.0	1/27/97	0000026057	1/23/97
SC-11314-S	URANIUM-238	ND		4.55	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5259		WP0256.0	1/27/97	0000026058	1/23/97
SC-11315-S	URANIUM-238	3.36	0.72	2.42	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5260		WP0256.0	1/27/97	0000026059	1/23/97
SC-11316-S	URANIUM-238	ND		4.07	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5261		WP0256.0	1/27/97	0000026060	1/23/97
SC-11317-S	URANIUM-238	ND		4.06	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC4765		WP0213.0	11/25/96	0000026061	11/22/96
SC-11318-S	URANIUM-238	ND		3.27	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC4766		WP0213.0	11/25/96	0000026062	11/22/96
SC-11319-S	URANIUM-238	3.20	0.76	2.61	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC4767		WP0213.0	11/25/96	0000026063	11/22/96
SC-11320-S	URANIUM-238	(2.08)	1.10	3.48	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC4768		WP0213.0	11/25/96	0000026064	11/22/96
SC-11401-S	URANIUM-238	ND		4.19	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5278		WP0258.0	2/4/97	0000026065	2/3/97
SC-11402-S	URANIUM-238	ND		3.19	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5279		WP0258.0	2/4/97	0000026066	2/3/97
SC-11403-S	URANIUM-238	ND		4.00	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5280		WP0258.0	2/4/97	0000026067	2/3/97
SC-11404-S	URANIUM-238	3.30	0.66	1.97	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5281		WP0258.0	2/5/97	0000026068	2/3/97
SC-11405-S	URANIUM-238	ND		3.91	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5282		WP0258.0	2/5/97	0000026069	2/3/97
SC-11406-S	URANIUM-238	3.75	0.78	2.57	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5283		WP0258.0	2/5/97	0000026070	2/3/97
SC-11407-S	URANIUM-238	ND		3.54	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5284		WP0258.0	2/4/97	0000026071	2/3/97
SC-11408-S	URANIUM-238	(1.51)	0.58	2.44	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5285		WP0258.0	2/4/97	0000026072	2/3/97
SC-11409-S	URANIUM-238	ND		3.79	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5286		WP0258.0	2/4/97	0000026073	2/3/97
SC-11410-S	URANIUM-238	ND		3.16	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5287		WP0258.0	2/4/97	0000026074	2/3/97
SC-11411-S	URANIUM-238	ND		3.21	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5288		WP0258.0	2/4/97	0000026075	2/3/97

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WSSRAP ID	PARAMETER	CONC	ERR	DL	UNITS	VAL QUAL	COMMENTS	METHOD	MATRIX	CATEGORY	DIL FACT	LAB ID	LAB QUAL	LAB REQU	DATE ANA	SAMPLINK	DATE SAMPLED
SC-11412-S	URANIUM-238	ND		2.96	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5289		WP0258.0	2/4/97	0000026076	2/3/97
SC-11413-S	URANIUM-238	ND		4.45	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5291		WP0258.0	2/4/97	0000026077	2/3/97
SC-11414-S	URANIUM-238	2.15	0.59	2.03	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5292		WP0258.0	2/5/97	0000026078	2/3/97
SC-11415-S	URANIUM-238	ND		3.65	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5293		WP0258.0	2/5/97	0000026079	2/3/97
SC-11416-S	URANIUM-238	ND		3.21	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5294		WP0258.0	2/5/97	0000026080	2/3/97
SC-11417-S	URANIUM-238	ND		4.31	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5295		WP0258.0	2/4/97	0000026081	2/3/97
SC-11418-S	URANIUM-238	4.36	0.78	2.20	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5296		WP0258.0	2/5/97	0000026082	2/3/97
SC-11419-S	URANIUM-238	ND		4.22	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5297		WP0258.0	2/5/97	0000026083	2/3/97
SC-11420-S	URANIUM-238	ND		3.18	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC4769		WP0213.0	11/25/96	0000026064	11/22/96
SC-11504-S	RADIUM-226	0.83	0.08	0.21	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5361		WP0264.0	3/24/97	0000026088	2/11/97
SC-11504-S	RADIUM-228	0.95	0.10	0.32	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5361		WP0264.0	3/24/97	0000026088	2/11/97
SC-11504-S	URANIUM-238	ND		2.46	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5361		WP0264.0	3/24/97	0000026088	2/11/97
SC-11505-C	RADIUM-226	1.26	0.12	0.30	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5362		WP0264.0	3/24/97	0000026089	2/11/97
SC-11505-C	RADIUM-228	1.32	0.18	0.43	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5362		WP0264.0	3/24/97	0000026089	2/11/97
SC-11505-C	URANIUM-238	ND		4.18	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5362		WP0264.0	3/24/97	0000026089	2/11/97
SC-11505-S	RADIUM-226	1.41	0.09	0.28	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5363		WP0264.0	3/24/97	0000026090	2/11/97
SC-11505-S	RADIUM-228	ND		0.85	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5363		WP0264.0	3/24/97	0000026090	2/11/97
SC-11505-S	URANIUM-238	ND		2.74	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5363		WP0264.0	3/24/97	0000026090	2/11/97
SC-11506-C	RADIUM-226	1.37	0.13	0.30	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5364		WP0264.0	3/24/97	0000026091	2/11/97
SC-11506-C	RADIUM-228	1.66	0.22	0.67	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5364		WP0264.0	3/24/97	0000026091	2/11/97
SC-11506-C	URANIUM-238	ND		4.05	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5364		WP0264.0	3/24/97	0000026091	2/11/97
SC-11506-S	RADIUM-226	1.10	0.09	0.27	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5365		WP0264.0	3/24/97	0000026092	2/11/97
SC-11506-S	RADIUM-228	1.21	0.13	0.32	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5365		WP0264.0	3/24/97	0000026092	2/11/97
SC-11506-S	URANIUM-238	ND		2.55	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5365		WP0264.0	3/24/97	0000026092	2/11/97
SC-11507-S	RADIUM-226	1.28	0.10	0.31	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5366		WP0264.0	3/24/97	0000026093	2/11/97
SC-11507-S	RADIUM-228	0.93	0.13	0.41	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5366		WP0264.0	3/24/97	0000026093	2/11/97
SC-11507-S	URANIUM-238	(2.17)	0.66	2.67	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5366		WP0264.0	3/24/97	0000026093	2/11/97
SC-11511-S	URANIUM-238	5.63	0.92	2.43	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5367		WP0264.0	2/12/97	0000026096	2/11/97
SC-11512-C	RADIUM-226	1.19	0.12	0.38	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5368		WP0264.0	3/24/97	0000026098	2/11/97
SC-11512-C	RADIUM-228	1.40	0.20	0.54	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5368		WP0264.0	3/24/97	0000026098	2/11/97
SC-11512-C	URANIUM-238	ND		3.88	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5368		WP0264.0	3/24/97	0000026098	2/11/97
SC-11512-S	RADIUM-226	1.14	0.08	0.19	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5369		WP0264.0	3/24/97	0000026097	2/11/97
SC-11512-S	RADIUM-228	1.20	0.12	0.34	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5369		WP0264.0	3/24/97	0000026097	2/11/97
SC-11512-S	URANIUM-238	ND		2.58	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5369		WP0264.0	3/24/97	0000026097	2/11/97
SC-11513-S	RADIUM-226	1.30	0.13	0.33	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5371		WP0264.0	3/24/97	0000026099	2/11/97
SC-11513-S	RADIUM-228	1.37	0.19	0.58	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5371		WP0264.0	3/24/97	0000026099	2/11/97
SC-11513-S	URANIUM-238	ND		4.48	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5371		WP0264.0	3/24/97	0000026099	2/11/97
SC-11514-C	RADIUM-226	1.45	0.10	0.28	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5372		WP0264.0	3/24/97	0000026100	2/11/97
SC-11514-C	RADIUM-228	1.21	0.12	0.17	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5372		WP0264.0	3/24/97	0000026100	2/11/97
SC-11514-S	RADIUM-226	1.25	0.11	0.28	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5373		WP0264.0	3/24/97	0000026101	2/11/97
SC-11514-S	RADIUM-228	1.32	0.17	0.53	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5373		WP0264.0	3/24/97	0000026101	2/11/97
SC-11514-S	URANIUM-238	ND		3.70	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5373		WP0264.0	3/24/97	0000026101	2/11/97
SC-11515-S	RADIUM-226	1.40	0.10	0.25	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5374		WP0264.0	3/24/97	0000026102	2/11/97
SC-11515-S	RADIUM-228	1.21	0.12	0.34	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5374		WP0264.0	3/24/97	0000026102	2/11/97
SC-11515-S	URANIUM-238	ND		2.77	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5374		WP0264.0	3/24/97	0000026102	2/11/97
SC-11521-S	URANIUM-238	ND		3.17	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5239		WP0255.0	1/28/97	0000026104	1/22/97
SC-11522-S	URANIUM-238	ND		4.09	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5240		WP0255.0	1/25/97	0000026105	1/22/97
SC-11523-S	URANIUM-238	ND		3.10	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5241		WP0255.0	1/25/97	0000026106	1/22/97
SC-11610-S	AROCLOR-1248	ND		46	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	13582003	U	QT2083.0	2/7/97	0000026114	2/4/97
SC-11610-S	AROCLOR-1254	ND		46	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	13582003	U	QT2083.0	2/7/97	0000026114	2/4/97
SC-11610-S	AROCLOR-1260	ND		46	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	13582003	U	QT2083.0	2/7/97	0000026114	2/4/97

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WSSRAP ID	PARAMETER	CONC	ERR	DL	UNITS	VAL QUAL	COMMENTS	METHOD	MATRIX	CATEGORY	DIL FACT	LAB ID	LAB QUAL	LAB REQU	DATE ANA	SAMPLINK	DATE SAMPLED
SC-11610-S	URANIUM-238	ND		4.01	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5305		WP0259.0	2/6/97	0000026114	2/4/97
SC-11614-S	URANIUM-238	(1.96)	0.70	2.95	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5307		WP0259.0	2/6/97	0000026117	2/4/97
SC-11618-C	URANIUM-238	(2.19)	1.20	3.80	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5375		WP0264.0	2/12/97	0000026120	2/11/97
SC-11618-S	URANIUM-238	ND		3.06	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5376		WP0264.0	2/12/97	0000026121	2/11/97
SC-11621-S	URANIUM-238	ND		4.27	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5377		WP0264.0	2/12/97	0000026125	2/11/97
SC-11622-S	URANIUM-238	ND		3.16	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5378		WP0264.0	2/12/97	0000026126	2/11/97
SC-11625-S	URANIUM-238	5.18	1.08	2.73	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5379		WP0264.0	2/12/97	0000026128	2/11/97
SC-11626-S	URANIUM-238	ND		3.20	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5380		WP0264.0	2/13/97	0000026129	2/11/97
SC-11627-S	URANIUM-238	ND		3.86	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5381		WP0264.0	2/13/97	0000026130	2/11/97
SC-11630-C	URANIUM-238	6.83	1.18	3.67	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5382		WP0264.0	2/13/97	0000026132	2/11/97
SC-11630-S	URANIUM-238	7.42	1.47	3.97	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5383		WP0264.0	2/13/97	0000026133	2/11/97
SC-11631-S	URANIUM-238	ND		3.04	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5384		WP0264.0	2/13/97	0000026134	2/11/97
SC-11632-S	URANIUM-238	ND		3.94	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5385		WP0264.0	2/13/97	0000026135	2/11/97
SC-11633-S	URANIUM-238	6.62	1.23	4.40	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5386		WP0264.0	2/13/97	0000026136	2/11/97
SC-11633-S-HS01	RADIUM-226	1.35	0.14	0.43	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5508		WP0272.0	3/28/97	0000033817	2/19/97
SC-11633-S-HS01	RADIUM-228	1.70	0.21	0.52	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5508		WP0272.0	3/28/97	0000033817	2/19/97
SC-11633-S-HS02	RADIUM-226	1.49	0.10	0.22	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5509		WP0272.0	3/28/97	0000033818	2/19/97
SC-11633-S-HS02	RADIUM-228	1.16	0.12	0.40	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5509		WP0272.0	3/28/97	0000033818	2/19/97
SC-11633-S-HS03	RADIUM-226	1.30	0.14	0.41	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5510		WP0272.0	3/28/97	0000033819	2/19/97
SC-11633-S-HS03	RADIUM-228	1.37	0.21	0.24	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5510		WP0272.0	3/28/97	0000033819	2/19/97
SC-11633-S-HS04	RADIUM-226	1.49	0.10	0.27	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5511		WP0272.0	3/28/97	0000033820	2/19/97
SC-11633-S-HS04	RADIUM-228	1.12	0.11	0.34	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5511		WP0272.0	3/28/97	0000033820	2/19/97
SC-11701-S	URANIUM-238	ND		3.09	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5308		WP0259.0	2/5/97	0000026137	2/4/97
SC-11702-S	URANIUM-238	ND		4.99	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5309		WP0259.0	2/6/97	0000026138	2/4/97
SC-11703-S	URANIUM-238	ND		4.03	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5311		WP0259.0	2/5/97	0000026139	2/4/97
SC-11704-S	URANIUM-238	4.16	0.79	2.99	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5312		WP0259.0	2/6/97	0000026140	2/4/97
SC-11705-S	URANIUM-238	4.18	1.02	3.04	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5313		WP0259.0	2/6/97	0000026141	2/4/97
SC-11706-S	URANIUM-238	3.03	0.87	2.40	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5314		WP0259.0	2/6/97	0000026142	2/4/97
SC-11707-S	URANIUM-238	ND		4.15	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5315		WP0259.0	2/6/97	0000026143	2/4/97
SC-11708-S	URANIUM-238	ND		3.08	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5316		WP0259.0	2/5/97	0000026144	2/4/97
SC-11709-S	URANIUM-238	(2.63)	1.24	3.87	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5317		WP0259.0	2/6/97	0000026145	2/4/97
SC-11710-S	URANIUM-238	(3.27)	1.22	3.63	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5318		WP0259.0	2/5/97	0000026146	2/4/97
SC-11711-S	URANIUM-238	ND		3.29	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5319		WP0259.0	2/6/97	0000026147	2/4/97
SC-11712-S	URANIUM-238	ND		3.97	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5320		WP0259.0	2/6/97	0000026148	2/4/97
SC-11713-S	URANIUM-238	(2.31)	0.64	2.57	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5321		WP0259.0	2/6/97	0000026149	2/4/97
SC-11714-S	URANIUM-238	ND		4.46	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5322		WP0259.0	2/6/97	0000026150	2/4/97
SC-11715-S	URANIUM-238	ND		4.41	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5323		WP0259.0	2/6/97	0000026151	2/4/97
SC-11716-S	URANIUM-238	ND		3.32	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5324		WP0259.0	2/6/97	0000026152	2/4/97
SC-11717-S	URANIUM-238	ND		4.03	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5325		WP0259.0	2/6/97	0000026153	2/4/97
SC-11718-S	URANIUM-238	ND		3.82	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5242		WP0255.0	1/25/97	0000026154	1/22/97
SC-11719-S	URANIUM-238	ND		3.94	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5243		WP0255.0	1/28/97	0000027232	1/22/97
SC-11720-S	URANIUM-238	ND		4.18	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5244		WP0255.0	1/27/97	0000026155	1/22/97
SC-11801-S	URANIUM-238	ND		4.07	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5345		WP0262.0	2/11/97	0000026157	2/10/97
SC-11802-S	URANIUM-238	7.08	1.27	4.19	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5346		WP0262.0	2/11/97	0000026288	2/10/97
SC-11803-S	URANIUM-238	ND		4.11	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5348		WP0262.0	2/11/97	0000026289	2/10/97
SC-11804-C	URANIUM-238	ND		4.01	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5349		WP0262.0	2/12/97	0000026290	2/10/97
SC-11804-S	URANIUM-238	ND		3.77	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5350		WP0262.0	2/12/97	0000026291	2/10/97
SC-11805-S	URANIUM-238	ND		3.23	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5326		WP0259.0	2/6/97	0000026292	2/4/97
SC-11806-S	URANIUM-238	ND		3.13	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5351		WP0262.0	2/12/97	0000026293	2/10/97
SC-11807-S	URANIUM-238	ND		4.00	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5352		WP0262.0	2/12/97	0000026294	2/10/97
SC-11808-S	URANIUM-238	ND		3.12	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5353		WP0262.0	2/11/97	0000026295	2/10/97

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WSSRAP ID	PARAMETER	CONC	ERR	DL	UNITS	VAL QUAL	COMMENTS	METHOD	MATRIX	CATEGORY	DIL FACT	LAB ID	LAB QUAL	LAB REQU	DATE ANA	SAMPLINK	DATE SAMPLED
SC-11808-C	URANIUM-238	ND		3.18	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5354		WP0262.0	2/12/97	0000026297	2/10/97
SC-11809-S	URANIUM-238	ND		3.91	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5327		WP0259.0	2/6/97	0000026296	2/4/97
SC-11810-S	URANIUM-238	ND		3.28	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5355		WP0262.0	2/12/97	0000026298	2/10/97
SC-11811-S	URANIUM-238	ND		4.19	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5356		WP0262.0	2/12/97	0000026299	2/10/97
SC-11812-S	URANIUM-238	ND		3.19	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5357		WP0262.0	2/12/97	0000026300	2/10/97
SC-11813-S	URANIUM-238	ND		3.41	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5328		WP0259.0	2/6/97	0000026301	2/4/97
SC-11814-S	URANIUM-238	ND		3.24	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5358		WP0262.0	2/12/97	0000026302	2/10/97
SC-11815-S	URANIUM-238	ND		3.94	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5359		WP0262.0	2/12/97	0000026303	2/10/97
SC-11816-S	URANIUM-238	ND		3.16	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5360		WP0262.0	2/12/97	0000026304	2/10/97
SC-11817-S	URANIUM-238	ND		4.34	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5329		WP0259.0	2/6/97	0000026305	2/4/97
SC-11818-S	URANIUM-238	ND		3.10	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5298		WP0258.0	2/5/97	0000026306	2/3/97
SC-11819-S	URANIUM-238	ND		4.53	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5299		WP0258.0	2/5/97	0000026307	2/3/97
SC-11820-S	URANIUM-238	ND		3.12	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5300		WP0258.0	2/4/97	0000026308	2/3/97
SC-11901-S	URANIUM-238	ND		4.29	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5330		WP0260.0	2/10/97	0000026309	2/7/97
SC-11902-S	URANIUM-238	(3.10)	1.59	5.02	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5331		WP0260.0	2/10/97	0000026310	2/7/97
SC-11903-S	URANIUM-238	ND		3.03	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5332		WP0260.0	2/10/97	0000026311	2/7/97
SC-11904-S	URANIUM-238	3.54	0.74	2.50	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5333		WP0260.0	2/10/97	0000026312	2/7/97
SC-11905-S	URANIUM-238	ND		4.17	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5334		WP0260.0	2/10/97	0000026313	2/7/97
SC-11906-S	URANIUM-238	ND		4.07	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5335		WP0260.0	2/10/97	0000026314	2/7/97
SC-11907-S	URANIUM-238	ND		4.01	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5336		WP0260.0	2/10/97	0000026315	2/7/97
SC-11908-S	URANIUM-238	ND		3.01	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5337		WP0260.0	2/10/97	0000026316	2/7/97
SC-11909-S	URANIUM-238	(2.53)	0.71	2.69	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5338		WP0260.0	2/10/97	0000026317	2/7/97
SC-11910-S	URANIUM-238	ND		3.06	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5339		WP0260.0	2/10/97	0000026318	2/7/97
SC-11911-S	URANIUM-238	ND		4.00	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5340		WP0260.0	2/10/97	0000026319	2/7/97
SC-11912-S	URANIUM-238	ND		4.26	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5341		WP0260.0	2/10/97	0000026320	2/7/97
SC-11913-S	URANIUM-238	ND		4.15	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5302		WP0258.0	2/4/97	0000026321	2/3/97
SC-11914-S	URANIUM-238	ND		4.05	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5303		WP0258.0	2/5/97	0000026322	2/3/97
SC-11915-C	URANIUM-238	3.54	1.00	2.65	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5342		WP0260.0	2/10/97	0000026323	2/7/97
SC-11915-S	URANIUM-238	ND		3.11	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5343		WP0260.0	2/10/97	0000026324	2/7/97
SC-11916-S	URANIUM-238	6.69	1.19	3.05	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5262		WP0256.0	1/27/97	0000026325	1/23/97
SC-11917-S	URANIUM-238	ND		3.04	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5263		WP0256.0	1/27/97	0000026326	1/23/97
SC-12002-S	URANIUM-238	ND		3.85	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5145		WP0248.0	1/9/97	0000026327	1/8/97
SC-12004-S	URANIUM-238	ND		4.28	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5146		WP0248.0	1/9/97	0000026328	1/8/97
SC-12005-S	URANIUM-238	ND		4.11	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5148		WP0248.0	1/10/97	0000026329	1/8/97
SC-12006-S	URANIUM-238	ND		3.17	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5149		WP0248.0	1/9/97	0000026330	1/8/97
SC-12007-S	RADIUM-226	1.44	0.10	0.26	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5150		WP0248.0	2/11/97	0000026331	1/8/97
SC-12007-S	RADIUM-228	1.26	0.15	0.57	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5150		WP0248.0	2/11/97	0000026331	1/8/97
SC-12007-S	THORIUM-230	0.97	0.11	0.72	PCI/G	*		EML TH-01	SOIL	RADIOCHEMICAL	1.00	WSC5150		WP0248.0	1/10/97	0000026331	1/8/97
SC-12007-S	URANIUM-238	ND		3.08	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5150		WP0248.0	2/11/97	0000026331	1/8/97
SC-12008-S	RADIUM-226	1.10	0.11	0.37	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5151		WP0248.0	2/11/97	0000026332	1/8/97
SC-12008-S	RADIUM-228	1.47	0.19	0.77	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5151		WP0248.0	2/11/97	0000026332	1/8/97
SC-12008-S	THORIUM-230	0.98	0.12	0.72	PCI/G	*		EML TH-01	SOIL	RADIOCHEMICAL	1.00	WSC5151		WP0248.0	1/10/97	0000026332	1/8/97
SC-12008-S	URANIUM-238	(2.45)	1.18	3.69	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5151		WP0248.0	2/11/97	0000026332	1/8/97
SC-12009-S	URANIUM-238	2.66	0.61	2.25	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5152		WP0248.0	1/10/97	0000026333	1/8/97
SC-12010-S	URANIUM-238	ND		3.25	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5153		WP0248.0	1/10/97	0000026334	1/8/97
SC-12011-S	URANIUM-238	ND		3.95	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5154		WP0248.0	1/10/97	0000026335	1/8/97
SC-12012-C	RADIUM-226	1.31	0.10	0.29	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5155		WP0248.0	2/11/97	0000026337	1/8/97
SC-12012-C	RADIUM-228	0.65	0.13	0.55	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5155		WP0248.0	2/11/97	0000026337	1/8/97
SC-12012-C	THORIUM-230	1.04	0.12	0.72	PCI/G	*		EML TH-01	SOIL	RADIOCHEMICAL	1.00	WSC5155		WP0248.0	1/10/97	0000026337	1/8/97
SC-12012-C	URANIUM-238	ND		2.83	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5155		WP0248.0	2/11/97	0000026337	1/8/97
SC-12012-S	RADIUM-226	1.30	0.13	0.42	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5156		WP0248.0	2/11/97	0000026336	1/8/97

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WSSRAP ID	PARAMETER	CONC	ERR	DL	UNITS	VAL QUAL	COMMENTS	METHOD	MATRIX	CATEGORY	DIL FACT	LAB ID	LAB QUAL	LAB REQU	DATE ANA	SAMPLINK	DATE SAMPLED
SC-12012-S	RADIUM-226	1.22	0.19	0.59	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5156		WP0248.0	2/11/97	0000026336	1/8/97
SC-12012-S	THORIUM-230	0.79	0.08	0.72	PCI/G	*		EML TH-01	SOIL	RADIOCHEMICAL	1.00	WSC5156		WP0248.0	1/10/97	0000026336	1/8/97
SC-12012-S	URANIUM-238	ND		3.94	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5156		WP0248.0	2/11/97	0000026336	1/8/97
SC-12013-S	RADIUM-226	1.44	0.10	0.28	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5157		WP0248.0	2/11/97	0000026338	1/8/97
SC-12013-S	RADIUM-228	1.44	0.14	0.41	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5157		WP0248.0	2/11/97	0000026338	1/8/97
SC-12013-S	THORIUM-230	0.83	0.09	0.72	PCI/G	*		EML TH-01	SOIL	RADIOCHEMICAL	1.00	WSC5157		WP0248.0	1/10/97	0000026338	1/8/97
SC-12013-S	URANIUM-238	ND		3.35	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5157		WP0248.0	2/11/97	0000026338	1/8/97
SC-12014-S	URANIUM-238	ND		3.85	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5158		WP0248.0	1/10/97	0000026339	1/8/97
SC-12015-S	URANIUM-238	ND		3.06	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5159		WP0248.0	1/10/97	0000026340	1/8/97
SC-12016-S	URANIUM-238	ND		4.25	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5160		WP0248.0	1/10/97	0000026341	1/8/97
SC-12017-S	URANIUM-238	ND		3.11	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5161		WP0248.0	1/10/97	0000026342	1/8/97
SC-12018-S	URANIUM-238	ND		3.89	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5162		WP0248.0	1/9/97	0000026343	1/8/97
SC-12019-S	URANIUM-238	ND		2.86	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5163		WP0248.0	1/9/97	0000026344	1/8/97
SC-12020-S	URANIUM-238	ND		4.29	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5164		WP0248.0	1/10/97	0000026345	1/8/97
SC-12021-S	URANIUM-238	(2.00)	0.68	2.63	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5166		WP0248.0	1/10/97	0000026346	1/8/97
SC-12022-C	URANIUM-238	5.15	1.21	2.91	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5167		WP0248.0	1/10/97	0000026347	1/8/97
SC-12022-S	URANIUM-238	ND		4.17	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5072		WP0231.0	12/14/96	0000026348	12/11/96
SC-12023-S	URANIUM-238	ND		3.21	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5073		WP0231.0	12/14/96	0000026349	12/11/96
SC-12024-S	URANIUM-238	ND		4.01	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5074		WP0231.0	12/13/96	0000026350	12/11/96
SC-12101-S	URANIUM-238	ND		2.95	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5168		WP0248.0	1/10/97	0000026351	1/8/97
SC-12102-S	URANIUM-238	ND		3.94	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5173		WP0251.0	1/23/97	0000026352	1/20/97
SC-12103-S	AROCLOR-1248	ND		40	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	0102901A	U	MX0062.0	1/22/97	0000026353	1/20/97
SC-12103-S	AROCLOR-1254	ND		40	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	0102901A	U	MX0062.0	1/22/97	0000026353	1/20/97
SC-12103-S	AROCLOR-1260	ND		40	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	0102901A	U	MX0062.0	1/22/97	0000026353	1/20/97
SC-12103-S	ARSENIC	ND		0.97	UG/G	*		EPA CLP	SOIL	METALS	1.00	0102901A	U	MX0062.0	1/22/97	0000026353	1/20/97
SC-12103-S	CHROMIUM	5.1		0.97	UG/G	*		EPA CLP	SOIL	METALS	1.00	0102901A	*	MX0062.0	1/22/97	0000026353	1/20/97
SC-12103-S	LEAD	13.0		0.72	UG/G	*		EPA CLP	SOIL	METALS	1.00	0102901A	*	MX0062.0	1/22/97	0000026353	1/20/97
SC-12103-S	RADIUM-226	1.21	0.12	0.35	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5174		WP0251.0	2/25/97	0000026353	1/20/97
SC-12103-S	RADIUM-228	1.63	0.17	0.43	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5174		WP0251.0	2/25/97	0000026353	1/20/97
SC-12103-S	THORIUM-230	0.92	0.11	0.72	PCI/G	*		EML TH-01	SOIL	RADIOCHEMICAL	1.00	WSC5174		WP0251.0	1/25/97	0000026353	1/20/97
SC-12103-S	URANIUM-238	ND		3.91	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5174		WP0251.0	2/25/97	0000026353	1/20/97
SC-12104-S	AROCLOR-1248	ND		44	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	0102902A	U	MX0062.0	1/22/97	0000026354	1/20/97
SC-12104-S	AROCLOR-1254	ND		44	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	0102902A	U	MX0062.0	1/22/97	0000026354	1/20/97
SC-12104-S	AROCLOR-1260	ND		44	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	0102902A	U	MX0062.0	1/22/97	0000026354	1/20/97
SC-12104-S	ARSENIC	2.4		1.07	UG/G	*		EPA CLP	SOIL	METALS	1.00	0102902A	B	MX0062.0	1/22/97	0000026354	1/20/97
SC-12104-S	CHROMIUM	7.2		1.07	UG/G	*		EPA CLP	SOIL	METALS	1.00	0102902A	*	MX0062.0	1/22/97	0000026354	1/20/97
SC-12104-S	LEAD	9.4		0.80	UG/G	*		EPA CLP	SOIL	METALS	1.00	0102902A	*	MX0062.0	1/22/97	0000026354	1/20/97
SC-12104-S	RADIUM-226	0.96	0.09	0.30	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5175		WP0251.0	2/25/97	0000026354	1/20/97
SC-12104-S	RADIUM-228	1.24	0.13	0.46	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5175		WP0251.0	2/25/97	0000026354	1/20/97
SC-12104-S	THORIUM-230	0.84	0.09	0.72	PCI/G	*		EML TH-01	SOIL	RADIOCHEMICAL	1.00	WSC5175		WP0251.0	1/25/97	0000026354	1/20/97
SC-12104-S	URANIUM-238	ND		3.15	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5175		WP0251.0	2/25/97	0000026354	1/20/97
SC-12105-S	URANIUM-238	ND		3.03	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5169		WP0248.0	1/10/97	0000026355	1/8/97
SC-12106-S	AROCLOR-1248	ND		39	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	0102903A	U	MX0062.0	1/22/97	0000026356	1/20/97
SC-12106-S	AROCLOR-1254	ND		39	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	0102903A	U	MX0062.0	1/22/97	0000026356	1/20/97
SC-12106-S	AROCLOR-1260	ND		39	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	0102903A	U	MX0062.0	1/22/97	0000026356	1/20/97
SC-12106-S	ARSENIC	ND		0.98	UG/G	*		EPA CLP	SOIL	METALS	1.00	0102903A	U	MX0062.0	1/22/97	0000026356	1/20/97
SC-12106-S	CHROMIUM	4.8		0.98	UG/G	*		EPA CLP	SOIL	METALS	1.00	0102903A	*	MX0062.0	1/22/97	0000026356	1/20/97
SC-12106-S	LEAD	7.6		0.72	UG/G	*		EPA CLP	SOIL	METALS	1.00	0102903A	*	MX0062.0	1/22/97	0000026356	1/20/97
SC-12106-S	RADIUM-226	0.98	0.13	0.36	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5176		WP0251.0	2/25/97	0000026356	1/20/97
SC-12106-S	RADIUM-228	1.43	0.19	0.58	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5176		WP0251.0	2/25/97	0000026356	1/20/97
SC-12106-S	THORIUM-230	0.77	0.08	0.72	PCI/G	*		EML TH-01	SOIL	RADIOCHEMICAL	1.00	WSC5176		WP0251.0	1/25/97	0000026356	1/20/97

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WSSRAP ID	PARAMETER	CONC	ERR	DL	UNITS	VAL QUAL	COMMENTS	METHOD	MATRIX	CATEGORY	DIL FACT	LAB ID	LAB QUAL	LAB REQU	DATE ANA	SAMPLINK	DATE SAMPLED
SC-12106-S	URANIUM-238	ND		4.14	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5176		WP0251.0	2/25/97	0000026356	1/20/97
SC-12107-S	AROCLOR-1248	ND		44	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	0102904A	U	MX0062.0	1/22/97	0000026357	1/20/97
SC-12107-S	AROCLOR-1254	ND		44	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	0102904A	U	MX0062.0	1/22/97	0000026357	1/20/97
SC-12107-S	AROCLOR-1260	ND		44	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	0102904A	U	MX0062.0	1/22/97	0000026357	1/20/97
SC-12107-S	ARSENIC	4.3		1.07	UG/G	*		EPA CLP	SOIL	METALS	1.00	0102904A		MX0062.0	1/22/97	0000026357	1/20/97
SC-12107-S	CHROMIUM	11.6		1.07	UG/G	*		EPA CLP	SOIL	METALS	1.00	0102904A	*	MX0062.0	1/22/97	0000026357	1/20/97
SC-12107-S	LEAD	11.5		0.80	UG/G	*		EPA CLP	SOIL	METALS	1.00	0102904A	*	MX0062.0	1/22/97	0000026357	1/20/97
SC-12107-S	RADIUM-226	1.19	0.09	0.32	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5177		WP0251.0	2/25/97	0000026357	1/20/97
SC-12107-S	RADIUM-228	1.18	0.13	0.48	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5177		WP0251.0	2/25/97	0000026357	1/20/97
SC-12107-S	THORIUM-230	0.88	0.09	0.72	PCI/G	*		EML TH-01	SOIL	RADIOCHEMICAL	1.00	WSC5177		WP0251.0	1/24/97	0000026357	1/20/97
SC-12107-S	URANIUM-238	(1.78)	0.60	2.22	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5177		WP0251.0	2/25/97	0000026357	1/20/97
SC-12108-S	AROCLOR-1248	ND		42	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	0102905A	U	MX0062.0	1/22/97	0000026358	1/20/97
SC-12108-S	AROCLOR-1254	ND		42	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	0102905A	U	MX0062.0	1/22/97	0000026358	1/20/97
SC-12108-S	AROCLOR-1260	ND		42	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	0102905A	U	MX0062.0	1/22/97	0000026358	1/20/97
SC-12108-S	ARSENIC	4.3		0.92	UG/G	*		EPA CLP	SOIL	METALS	1.00	0102905A		MX0062.0	1/22/97	0000026358	1/20/97
SC-12108-S	CHROMIUM	7.4		0.92	UG/G	*		EPA CLP	SOIL	METALS	1.00	0102905A	*	MX0062.0	1/22/97	0000026358	1/20/97
SC-12108-S	LEAD	9.3		0.69	UG/G	*		EPA CLP	SOIL	METALS	1.00	0102905A	*	MX0062.0	1/22/97	0000026358	1/20/97
SC-12108-S	RADIUM-226	1.15	0.12	0.35	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5178		WP0251.0	2/25/97	0000026358	1/20/97
SC-12108-S	RADIUM-228	1.20	0.17	0.54	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5178		WP0251.0	2/25/97	0000026358	1/20/97
SC-12108-S	THORIUM-230	1.12	0.13	0.72	PCI/G	*		EML TH-01	SOIL	RADIOCHEMICAL	1.00	WSC5178		WP0251.0	1/24/97	0000026358	1/20/97
SC-12108-S	URANIUM-238	ND		3.69	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5178		WP0251.0	2/25/97	0000026358	1/20/97
SC-12109-S	URANIUM-238	ND		3.94	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5170		WP0248.0	1/10/97	0000026359	1/8/97
SC-12110-C	AROCLOR-1248	ND		45	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	0102906A	U	MX0062.0	1/22/97	0000026361	1/20/97
SC-12110-C	AROCLOR-1254	ND		45	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	0102906A	U	MX0062.0	1/22/97	0000026361	1/20/97
SC-12110-C	AROCLOR-1260	ND		45	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	0102906A	U	MX0062.0	1/22/97	0000026361	1/20/97
SC-12110-C	ARSENIC	3.1		1.09	UG/G	*		EPA CLP	SOIL	METALS	1.00	0102906A		MX0062.0	1/22/97	0000026361	1/20/97
SC-12110-C	CHROMIUM	13.6		1.09	UG/G	*		EPA CLP	SOIL	METALS	1.00	0102906A	*	MX0062.0	1/22/97	0000026361	1/20/97
SC-12110-C	LEAD	8.8		0.82	UG/G	*		EPA CLP	SOIL	METALS	1.00	0102906A	*	MX0062.0	1/22/97	0000026361	1/20/97
SC-12110-C	RADIUM-226	1.09	0.13	0.32	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5179		WP0251.0	2/25/97	0000026361	1/20/97
SC-12110-C	RADIUM-228	1.17	0.16	0.52	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5179		WP0251.0	2/26/97	0000026361	1/20/97
SC-12110-C	THORIUM-230	0.76	0.07	0.72	PCI/G	*		EML TH-01	SOIL	RADIOCHEMICAL	1.00	WSC5179		WP0251.0	1/25/97	0000026361	1/20/97
SC-12110-C	URANIUM-238	(3.11)	1.13	3.31	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5179		WP0251.0	2/25/97		1/20/97
SC-12110-S	AROCLOR-1248	ND		46	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	0102907A	U	MX0062.0	1/22/97	0000026360	1/20/97
SC-12110-S	AROCLOR-1254	ND		46	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	0102907A	U	MX0062.0	1/22/97	0000026360	1/20/97
SC-12110-S	AROCLOR-1260	ND		46	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	0102907A	U	MX0062.0	1/22/97	0000026360	1/20/97
SC-12110-S	ARSENIC	6.3		1.12	UG/G	*		EPA CLP	SOIL	METALS	1.00	0102907A		MX0062.0	1/22/97	0000026360	1/20/97
SC-12110-S	CHROMIUM	14.2		1.12	UG/G	*		EPA CLP	SOIL	METALS	1.00	0102907A	*	MX0062.0	1/22/97	0000026360	1/20/97
SC-12110-S	LEAD	29.6		0.84	UG/G	*		EPA CLP	SOIL	METALS	1.00	0102907A	*	MX0062.0	1/22/97	0000026360	1/20/97
SC-12110-S	RADIUM-226	1.41	0.10	0.29	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5180		WP0251.0	2/25/97	0000026360	1/20/97
SC-12110-S	RADIUM-228	1.27	0.13	0.52	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5180		WP0251.0	2/25/97	0000026360	1/20/97
SC-12110-S	THORIUM-230	0.76	0.07	0.72	PCI/G	*		EML TH-01	SOIL	RADIOCHEMICAL	1.00	WSC5180		WP0251.0	1/24/97	0000026360	1/20/97
SC-12110-S	URANIUM-238	ND		3.20	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5180		WP0251.0	2/25/97	0000026360	1/20/97
SC-12111-S	AROCLOR-1248	ND		42	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	0102909A	U	MX0062.0	1/22/97	0000026362	1/20/97
SC-12111-S	AROCLOR-1254	ND		42	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	0102909A	U	MX0062.0	1/22/97	0000026362	1/20/97
SC-12111-S	AROCLOR-1260	ND		42	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	0102909A	U	MX0062.0	1/22/97	0000026362	1/20/97
SC-12111-S	ARSENIC	3.2		1.02	UG/G	*		EPA CLP	SOIL	METALS	1.00	0102909A		MX0062.0	1/22/97	0000026362	1/20/97
SC-12111-S	CHROMIUM	12.4		1.02	UG/G	*		EPA CLP	SOIL	METALS	1.00	0102909A	*	MX0062.0	1/22/97	0000026362	1/20/97
SC-12111-S	LEAD	14.6		0.76	UG/G	*		EPA CLP	SOIL	METALS	1.00	0102909A	*	MX0062.0	1/22/97	0000026362	1/20/97
SC-12111-S	RADIUM-226	1.07	0.11	0.26	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5182		WP0251.0	2/25/97	0000026362	1/20/97
SC-12111-S	RADIUM-228	1.45	0.18	0.49	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5182		WP0251.0	2/25/97	0000026362	1/20/97
SC-12111-S	THORIUM-230	0.90	0.10	0.72	PCI/G	*		EML TH-01	SOIL	RADIOCHEMICAL	1.00	WSC5182		WP0251.0	1/24/97	0000026362	1/20/97

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WSSRAP ID	PARAMETER	CONC	ERR	DL	UNITS	VAL QUAL	COMMENTS	METHOD	MATRIX	CATEGORY	DIL FACT	LAB ID	LAB QUAL	LAB REQU	DATE ANA	SAMPLINK	DATE SAMPLED
SC-12111-S	URANIUM-238	ND		3.96	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5182		WP0251.0	2/25/97	0000026362	1/20/97
SC-12112-S	AROCLOR-1248	ND		40	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	0102910A	U	MX0062.0	1/22/97	0000026363	1/20/97
SC-12112-S	AROCLOR-1254	ND		40	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	0102910A	U	MX0062.0	1/22/97	0000026363	1/20/97
SC-12112-S	AROCLOR-1260	ND		40	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	0102910A	U	MX0062.0	1/22/97	0000026363	1/20/97
SC-12112-S	ARSENIC	3.2		0.97	UG/G	*		EPA CLP	SOIL	METALS	1.00	0102910A		MX0062.0	1/22/97	0000026363	1/20/97
SC-12112-S	CHROMIUM	9.3		0.97	UG/G	*		EPA CLP	SOIL	METALS	1.00	0102910A	*	MX0062.0	1/22/97	0000026363	1/20/97
SC-12112-S	LEAD	13.1		0.72	UG/G	*		EPA CLP	SOIL	METALS	1.00	0102910A	*	MX0062.0	1/22/97	0000026363	1/20/97
SC-12112-S	RADIUM-226	0.97	0.09	0.28	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5183		WP0251.0	2/25/97	0000026363	1/20/97
SC-12112-S	RADIUM-228	1.56	0.13	0.37	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5183		WP0251.0	2/25/97	0000026363	1/20/97
SC-12112-S	THORIUM-230	0.85	0.08	0.72	PCI/G	*		EML TH-01	SOIL	RADIOCHEMICAL	1.00	WSC5183		WP0251.0	1/25/97	0000026363	1/20/97
SC-12112-S	URANIUM-238	ND		2.92	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5183		WP0251.0	2/25/97	0000026363	1/20/97
SC-12113-S	URANIUM-238	ND		3.03	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5171		WP0248.0	1/10/97	0000026364	1/8/97
SC-12114-S	AROCLOR-1248	ND		40	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	0102911A	U	MX0062.0	1/22/97	0000026365	1/20/97
SC-12114-S	AROCLOR-1254	ND		40	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	0102911A	U	MX0062.0	1/22/97	0000026365	1/20/97
SC-12114-S	AROCLOR-1260	ND		40	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	0102911A	U	MX0062.0	1/22/97	0000026365	1/20/97
SC-12114-S	ARSENIC	4.3		0.96	UG/G	*		EPA CLP	SOIL	METALS	1.00	0102911A		MX0062.0	1/22/97	0000026365	1/20/97
SC-12114-S	CHROMIUM	11.5		0.96	UG/G	*		EPA CLP	SOIL	METALS	1.00	0102911A	*	MX0062.0	1/22/97	0000026365	1/20/97
SC-12114-S	LEAD	20.4		0.72	UG/G	*		EPA CLP	SOIL	METALS	1.00	0102911A	*	MX0062.0	1/22/97	0000026365	1/20/97
SC-12114-S	RADIUM-226	ND		0.80	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5184		WP0251.0	2/25/97	0000026365	1/20/97
SC-12114-S	RADIUM-228	1.79	0.16	0.82	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5184		WP0251.0	2/25/97	0000026365	1/20/97
SC-12114-S	THORIUM-230	0.85	0.08	0.72	PCI/G	*		EML TH-01	SOIL	RADIOCHEMICAL	1.00	WSC5184		WP0251.0	1/24/97	0000026365	1/20/97
SC-12114-S	URANIUM-238	ND		4.03	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5184		WP0251.0	2/25/97	0000026365	1/20/97
SC-12115-S	AROCLOR-1248	ND		43	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	0103001A	U	MX0063.0	1/22/97	0000026366	1/20/97
SC-12115-S	AROCLOR-1254	ND		43	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	0103001A	U	MX0063.0	1/22/97	0000026366	1/20/97
SC-12115-S	AROCLOR-1260	ND		43	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	0103001A	U	MX0063.0	1/22/97	0000026366	1/20/97
SC-12115-S	ARSENIC	3.1		1.06	UG/G	*		EPA CLP	SOIL	METALS	1.00	0103001A		MX0063.0	1/22/97	0000026366	1/20/97
SC-12115-S	CHROMIUM	11.6		1.06	UG/G	*		EPA CLP	SOIL	METALS	1.00	0103001A		MX0063.0	1/22/97	0000026366	1/20/97
SC-12115-S	LEAD	13.1		0.79	UG/G	*		EPA CLP	SOIL	METALS	1.00	0103001A		MX0063.0	1/22/97	0000026366	1/20/97
SC-12115-S	RADIUM-226	0.95	0.09	0.33	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5185		WP0252.0	2/25/97	0000026366	1/20/97
SC-12115-S	RADIUM-228	1.38	0.13	0.46	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5185		WP0252.0	2/25/97	0000026366	1/20/97
SC-12115-S	THORIUM-230	0.79	0.08	0.72	PCI/G	*		EML TH-01	SOIL	RADIOCHEMICAL	1.00	WSC5185		WP0252.0	1/24/97	0000026366	1/20/97
SC-12115-S	URANIUM-238	ND		2.92	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5185		WP0252.0	2/25/97	0000026366	1/20/97
SC-12116-C	AROCLOR-1248	ND		46	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	0103003A	U	MX0063.0	1/22/97	0000026367	1/20/97
SC-12116-C	AROCLOR-1254	ND		46	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	0103003A	U	MX0063.0	1/22/97	0000026367	1/20/97
SC-12116-C	AROCLOR-1260	ND		46	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	0103003A	U	MX0063.0	1/22/97	0000026367	1/20/97
SC-12116-C	ARSENIC	6.3		1.13	UG/G	*		EPA CLP	SOIL	METALS	1.00	0103003A		MX0063.0	1/22/97	0000026367	1/20/97
SC-12116-C	CHROMIUM	14.6		1.13	UG/G	*		EPA CLP	SOIL	METALS	1.00	0103003A		MX0063.0	1/22/97	0000026367	1/20/97
SC-12116-C	LEAD	11.3		0.84	UG/G	*		EPA CLP	SOIL	METALS	1.00	0103003A		MX0063.0	1/22/97	0000026367	1/20/97
SC-12116-C	RADIUM-226	1.26	0.12	0.26	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5187		WP0252.0	2/26/97	0000026367	1/20/97
SC-12116-C	RADIUM-228	1.84	0.19	0.42	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5187		WP0252.0	2/26/97	0000026367	1/20/97
SC-12116-C	THORIUM-230	0.78	0.08	0.72	PCI/G	*		EML TH-01	SOIL	RADIOCHEMICAL	1.00	WSC5187		WP0252.0	1/23/97	0000026367	1/20/97
SC-12116-S	AROCLOR-1248	ND		41	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	13152021	U	QT2079.0	12/19/96	0000026369	12/16/96
SC-12116-S	AROCLOR-1254	ND		41	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	13152021	U	QT2079.0	12/19/96	0000026369	12/16/96
SC-12116-S	AROCLOR-1260	ND		41	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	13152021	U	QT2079.0	12/19/96	0000026369	12/16/96
SC-12116-S	ARSENIC	10.1		0.45	UG/G	*		EPA CLP	SOIL	METALS	1.00	13152021		QT2079.0	12/18/96	0000026369	12/16/96
SC-12116-S	CHROMIUM	14.6		0.38	UG/G	*		EPA CLP	SOIL	METALS	1.00	13152021		QT2079.0	12/18/96	0000026369	12/16/96
SC-12116-S	LEAD	9.5		0.20	UG/G	*		EPA CLP	SOIL	METALS	1.00	13152021		QT2079.0	12/18/96	0000026369	12/16/96
SC-12116-S	RADIUM-226	1.04	0.09	0.30	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5119		WP0235.0	1/21/97	0000026369	12/16/96
SC-12116-S	RADIUM-228	1.30	0.13	0.38	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5119		WP0235.0	1/21/97	0000026369	12/16/96
SC-12116-S	THORIUM-230	0.89	0.09	0.72	PCI/G	*		EML TH-01	SOIL	RADIOCHEMICAL	1.00	WSC5119		WP0235.0	12/21/96	0000026369	12/16/96
SC-12116-S	URANIUM-238	ND		3.18	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5119		WP0235.0	1/21/97	0000026369	12/16/96

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WSSRAP ID	PARAMETER	CONC	ERR	DL	UNITS	VAL QUAL	COMMENTS	METHOD	MATRIX	CATEGORY	DIL FACT	LAB ID	LAB QUAL	LAB REQU	DATE ANA	SAMPLINK	DATE SAMPLED
SC-12117-S	URANIUM-238	4.98	0.99	3.54	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5172		WP0248.0	1/10/97	0000026370	1/8/97
SC-12118-S	AROCLOR-1248	ND		44	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	0103004A	U	MX0063.0	1/22/97	0000026371	1/20/97
SC-12118-S	AROCLOR-1254	ND		44	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	0103004A	U	MX0063.0	1/22/97	0000026371	1/20/97
SC-12118-S	AROCLOR-1260	ND		44	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	0103004A	U	MX0063.0	1/22/97	0000026371	1/20/97
SC-12118-S	ARSENIC	8.9		1.07	UG/G	*		EPA CLP	SOIL	METALS	1.00	0103004A		MX0063.0	1/22/97	0000026371	1/20/97
SC-12118-S	CHROMIUM	17.2		1.07	UG/G	*		EPA CLP	SOIL	METALS	1.00	0103004A		MX0063.0	1/22/97	0000026371	1/20/97
SC-12118-S	LEAD	33.7		0.8	UG/G	*		EPA CLP	SOIL	METALS	1.00	0103004A		MX0063.0	1/22/97	0000026371	1/20/97
SC-12118-S	RADIUM-226	1.25	0.09	0.25	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5188		WP0252.0	2/26/97	0000026371	1/20/97
SC-12118-S	RADIUM-228	1.50	0.13	0.38	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5188		WP0252.0	2/26/97	0000026371	1/20/97
SC-12118-S	THORIUM-230	0.92	0.10	0.72	PCI/G	*		EML TH-01	SOIL	RADIOCHEMICAL	1.00	WSC5188		WP0252.0	1/23/97	0000026371	1/20/97
SC-12118-S	URANIUM-238	ND		3.09	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5188		WP0252.0	2/26/97	0000026371	1/20/97
SC-12119-C	AROCLOR-1248	ND		41	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	0103005A	U	MX0063.0	1/22/97	0000026373	1/20/97
SC-12119-C	AROCLOR-1254	ND		41	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	0103005A	U	MX0063.0	1/22/97	0000026373	1/20/97
SC-12119-C	AROCLOR-1260	ND		41	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	0103005A	U	MX0063.0	1/22/97	0000026373	1/20/97
SC-12119-C	ARSENIC	7.2		0.99	UG/G	*		EPA CLP	SOIL	METALS	1.00	0103005A		MX0063.0	1/22/97	0000026373	1/20/97
SC-12119-C	CHROMIUM	12.8		0.99	UG/G	*		EPA CLP	SOIL	METALS	1.00	0103005A		MX0063.0	1/22/97	0000026373	1/20/97
SC-12119-C	LEAD	32.8		0.74	UG/G	*		EPA CLP	SOIL	METALS	1.00	0103005A		MX0063.0	1/22/97	0000026373	1/20/97
SC-12119-C	RADIUM-226	0.84	0.12	0.34	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5189		WP0252.0	2/26/97	0000026373	1/20/97
SC-12119-C	RADIUM-228	1.55	0.19	0.56	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5189		WP0252.0	2/26/97	0000026373	1/20/97
SC-12119-C	THORIUM-230	0.88	0.089	0.72	PCI/G	*		EML TH-01	SOIL	RADIOCHEMICAL	1.00	WSC5189		WP0252.0	1/23/97	0000026373	1/20/97
SC-12119-S	AROCLOR-1248	ND		42	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	0103006A	U	MX0063.0	1/22/97	0000026372	1/20/97
SC-12119-S	AROCLOR-1254	ND		42	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	0103006A	U	MX0063.0	1/22/97	0000026372	1/20/97
SC-12119-S	AROCLOR-1260	ND		42	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	0103006A	U	MX0063.0	1/22/97	0000026372	1/20/97
SC-12119-S	ARSENIC	6.4		1.02	UG/G	*		EPA CLP	SOIL	METALS	1.00	0103006A		MX0063.0	1/22/97	0000026372	1/20/97
SC-12119-S	CHROMIUM	28.1		1.02	UG/G	*		EPA CLP	SOIL	METALS	1.00	0103006A		MX0063.0	1/22/97	0000026372	1/20/97
SC-12119-S	LEAD	10.5		0.77	UG/G	*		EPA CLP	SOIL	METALS	1.00	0103006A		MX0063.0	1/22/97	0000026372	1/20/97
SC-12119-S	RADIUM-226	1.20	0.10	0.30	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5190		WP0252.0	2/26/97	0000026372	1/20/97
SC-12119-S	RADIUM-228	1.22	0.13	0.46	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5190		WP0252.0	2/26/97	0000026372	1/20/97
SC-12119-S	THORIUM-230	0.88	0.096	0.72	PCI/G	*		EML TH-01	SOIL	RADIOCHEMICAL	1.00	WSC5190		WP0252.0	1/25/97	0000026372	1/20/97
SC-12119-S	URANIUM-238	ND		3.18	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5190		WP0252.0	2/26/97	0000026372	1/20/97
SC-12120-S	URANIUM-238	ND		4.35	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5082		WP0231.0	12/14/96	0000026374	12/11/96
SC-12121-C	AROCLOR-1248	ND		38	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	0103007A	U	MX0063.0	1/22/97	0000026375	1/20/97
SC-12121-C	AROCLOR-1254	ND		38	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	0103007A	U	MX0063.0	1/22/97	0000026375	1/20/97
SC-12121-C	AROCLOR-1260	ND		38	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	0103007A	U	MX0063.0	1/22/97	0000026375	1/20/97
SC-12121-C	ARSENIC	2.2		0.93	UG/G	*		EPA CLP	SOIL	METALS	1.00	0103007A	B	MX0063.0	1/22/97	0000026375	1/20/97
SC-12121-C	CHROMIUM	15.8		0.93	UG/G	*		EPA CLP	SOIL	METALS	1.00	0103007A		MX0063.0	1/22/97	0000026375	1/20/97
SC-12121-C	LEAD	5.9		0.70	UG/G	*		EPA CLP	SOIL	METALS	1.00	0103007A		MX0063.0	1/22/97	0000026375	1/20/97
SC-12121-C	RADIUM-226	1.16	0.09	0.29	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5191		WP0252.0	2/26/97	0000026375	1/20/97
SC-12121-C	RADIUM-228	1.35	0.14	0.38	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5191		WP0252.0	2/26/97	0000026375	1/20/97
SC-12121-C	THORIUM-230	0.9	0.096	0.72	PCI/G	*		EML TH-01	SOIL	RADIOCHEMICAL	1.00	WSC5191		WP0252.0	1/25/97	0000026375	1/20/97
SC-12121-S	AROCLOR-1248	ND		45	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	0103008A	U	MX0063.0	1/22/97	0000026376	1/20/97
SC-12121-S	AROCLOR-1254	ND		45	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	0103008A	U	MX0063.0	1/22/97	0000026376	1/20/97
SC-12121-S	AROCLOR-1260	ND		45	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	0103008A	U	MX0063.0	1/22/97	0000026376	1/20/97
SC-12121-S	ARSENIC	5.2		1.10	UG/G	*		EPA CLP	SOIL	METALS	1.00	0103008A		MX0063.0	1/22/97	0000026376	1/20/97
SC-12121-S	CHROMIUM	13.4		1.10	UG/G	*		EPA CLP	SOIL	METALS	1.00	0103008A		MX0063.0	1/22/97	0000026376	1/20/97
SC-12121-S	LEAD	13.3		0.82	UG/G	*		EPA CLP	SOIL	METALS	1.00	0103008A		MX0063.0	1/22/97	0000026376	1/20/97
SC-12121-S	RADIUM-226	0.97	0.09	0.27	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5192		WP0252.0	2/26/97	0000026376	1/20/97
SC-12121-S	RADIUM-228	1.36	0.12	0.30	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5192		WP0252.0	2/26/97	0000026376	1/20/97
SC-12121-S	THORIUM-230	(0.71)	0.085	0.72	PCI/G	*		EML TH-01	SOIL	RADIOCHEMICAL	1.00	WSC5192		WP0252.0	1/23/97	0000026376	1/20/97
SC-12121-S	URANIUM-238	ND		2.89	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5192		WP0252.0	2/26/97	0000026376	1/20/97
SC-12122-S	AROCLOR-1248	ND		40	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	0103009A	U	MX0063.0	1/22/97	0000026377	1/20/97

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WSSRAP ID	PARAMETER	CONC	ERR	DL	UNITS	VAL QUAL	COMMENTS	METHOD	MATRIX	CATEGORY	DIL FACT	LAB ID	LAB QUAL	LAB REQU	DATE ANA	SAMPLINK	DATE SAMPLED
SC-12122-S	AROCLOR-1254	ND		40	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	0103009A	U	MX0063.0	1/22/97	0000026377	1/20/97
SC-12122-S	AROCLOR-1260	ND		40	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	0103009A	U	MX0063.0	1/22/97	0000026377	1/20/97
SC-12122-S	ARSENIC	1.8		0.97	UG/G	*		EPA CLP	SOIL	METALS	1.00	0103009A	B	MX0063.0	1/22/97	0000026377	1/20/97
SC-12122-S	CHROMIUM	13.0		0.97	UG/G	*		EPA CLP	SOIL	METALS	1.00	0103009A		MX0063.0	1/22/97	0000026377	1/20/97
SC-12122-S	LEAD	7.2		0.72	UG/G	*		EPA CLP	SOIL	METALS	1.00	0103009A		MX0063.0	1/22/97	0000026377	1/20/97
SC-12122-S	RADIUM-226	1.09	0.12	0.43	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5193		WP0252.0	2/26/97	0000026377	1/20/97
SC-12122-S	RADIUM-228	1.42	0.18	0.43	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5193		WP0252.0	2/26/97	0000026377	1/20/97
SC-12122-S	THORIUM-230	0.78	0.07	0.72	PCI/G	*		EML TH-01	SOIL	RADIOCHEMICAL	1.00	WSC5193		WP0252.0	1/25/97	0000026377	1/20/97
SC-12122-S	URANIUM-238	ND		4.11	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5193		WP0252.0	2/26/97	0000026377	1/20/97
SC-12123-S	URANIUM-238	ND		3.19	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5083		WP0231.0	12/14/96	0000026379	12/11/96
SC-12124-S	AROCLOR-1248	ND		40	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	13104008	U	QT2074.0	12/14/96	0000026378	12/11/96
SC-12124-S	AROCLOR-1254	ND		40	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	13104008	U	QT2074.0	12/14/96	0000026378	12/11/96
SC-12124-S	AROCLOR-1260	ND		40	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	13104008	U	QT2074.0	12/14/96	0000026378	12/11/96
SC-12124-S	ARSENIC	2.9		0.43	UG/G	*		EPA CLP	SOIL	METALS	1.00	13104008		QT2074.0	12/13/96	0000026378	12/11/96
SC-12124-S	CHROMIUM	10.9		0.36	UG/G	*		EPA CLP	SOIL	METALS	1.00	13104008		QT2074.0	12/13/96	0000026378	12/11/96
SC-12124-S	LEAD	6.8		0.19	UG/G	*		EPA CLP	SOIL	METALS	1.00	13104008		QT2074.0	12/13/96	0000026378	12/11/96
SC-12124-S	RADIUM-226	1.19	0.12	0.34	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5084		WP0231.0	1/16/97	0000026378	12/11/96
SC-12124-S	RADIUM-228	1.40	0.18	0.77	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5084		WP0231.0	1/16/97	0000026378	12/11/96
SC-12124-S	THORIUM-230	1.02	0.12	0.72	PCI/G	*		EML TH-01	SOIL	RADIOCHEMICAL	1.00	WSC5084		WP0231.0	12/16/96	0000026378	12/11/96
SC-12124-S	URANIUM-238	ND		4.18	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5084		WP0231.0	1/16/97	0000026378	12/11/96
SC-12125-C	AROCLOR-1248	ND		42	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	0103010A	U	MX0063.0	1/22/97	0000026380	1/20/97
SC-12125-C	AROCLOR-1254	ND		42	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	0103010A	U	MX0063.0	1/22/97	0000026380	1/20/97
SC-12125-C	AROCLOR-1260	ND		42	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	0103010A	U	MX0063.0	1/22/97	0000026380	1/20/97
SC-12125-C	ARSENIC	7.3		1.03	UG/G	*		EPA CLP	SOIL	METALS	1.00	0103010A		MX0063.0	1/22/97	0000026380	1/20/97
SC-12125-C	CHROMIUM	28.0		1.03	UG/G	*		EPA CLP	SOIL	METALS	1.00	0103010A		MX0063.0	1/22/97	0000026380	1/20/97
SC-12125-C	LEAD	18.3		0.77	UG/G	*		EPA CLP	SOIL	METALS	1.00	0103010A		MX0063.0	1/22/97	0000026380	1/20/97
SC-12125-C	RADIUM-226	1.01	0.11	0.40	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5194		WP0252.0	2/26/97	0000026380	1/20/97
SC-12125-C	RADIUM-228	1.78	0.19	0.46	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5194		WP0252.0	2/26/97	0000026380	1/20/97
SC-12125-C	THORIUM-230	0.86	0.088	0.72	PCI/G	*		EML TH-01	SOIL	RADIOCHEMICAL	1.00	WSC5194		WP0252.0	1/23/97	0000026380	1/20/97
SC-12125-S	AROCLOR-1248	ND		40	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	13104009	U	QT2074.0	12/14/96	0000026381	12/11/96
SC-12125-S	AROCLOR-1254	ND		40	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	13104009	U	QT2074.0	12/14/96	0000026381	12/11/96
SC-12125-S	AROCLOR-1260	ND		40	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	13104009	U	QT2074.0	12/14/96	0000026381	12/11/96
SC-12125-S	ARSENIC	8.0		0.43	UG/G	*		EPA CLP	SOIL	METALS	1.00	13104009		QT2074.0	12/13/96	0000026381	12/11/96
SC-12125-S	CHROMIUM	18.2		0.36	UG/G	*		EPA CLP	SOIL	METALS	1.00	13104009		QT2074.0	12/13/96	0000026381	12/11/96
SC-12125-S	LEAD	13.4		0.19	UG/G	*		EPA CLP	SOIL	METALS	1.00	13104009		QT2074.0	12/13/96	0000026381	12/11/96
SC-12125-S	RADIUM-226	1.21	0.09	0.25	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5085		WP0231.0	1/17/97	0000026381	12/11/96
SC-12125-S	RADIUM-228	1.26	0.13	0.41	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5085		WP0231.0	1/17/97	0000026381	12/11/96
SC-12125-S	THORIUM-230	(0.71)	0.06	0.72	PCI/G	*		EML TH-01	SOIL	RADIOCHEMICAL	1.00	WSC5085		WP0231.0	12/16/96	0000026381	12/11/96
SC-12125-S	URANIUM-238	ND		2.98	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5085		WP0231.0	1/17/97	0000026381	12/11/96
SC-12201-S	URANIUM-238	ND		3.68	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5195		WP0252.0	1/25/97	0000026382	1/20/97
SC-12202-S	URANIUM-238	ND		3.44	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5196		WP0252.0	1/25/97	0000026383	1/20/97
SC-12203-S	URANIUM-238	ND		3.43	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5197		WP0252.0	1/25/97	0000026384	1/20/97
SC-12204-S	AROCLOR-1248	ND		43	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	0103011A	U	MX0063.0	1/22/97	0000026385	1/20/97
SC-12204-S	AROCLOR-1254	ND		43	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	0103011A	U	MX0063.0	1/22/97	0000026385	1/20/97
SC-12204-S	AROCLOR-1260	ND		43	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	0103011A	U	MX0063.0	1/22/97	0000026385	1/20/97
SC-12204-S	ARSENIC	3.1		1.04	UG/G	*		EPA CLP	SOIL	METALS	1.00	0103011A		MX0063.0	1/22/97	0000026385	1/20/97
SC-12204-S	CHROMIUM	25.1		1.04	UG/G	*		EPA CLP	SOIL	METALS	1.00	0103011A		MX0063.0	1/22/97	0000026385	1/20/97
SC-12204-S	LEAD	13.7		0.78	UG/G	*		EPA CLP	SOIL	METALS	1.00	0103011A		MX0063.0	1/22/97	0000026385	1/20/97
SC-12204-S	RADIUM-226	0.98	0.10	0.29	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5198		WP0252.0	2/26/97	0000026385	1/20/97
SC-12204-S	RADIUM-228	1.37	0.14	0.50	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5198		WP0252.0	2/26/97	0000026385	1/20/97
SC-12204-S	THORIUM-230	0.78	0.072	0.72	PCI/G	*		EML TH-01	SOIL	RADIOCHEMICAL	1.00	WSC5198		WP0252.0	1/25/97	0000026385	1/20/97

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WSSRAP ID	PARAMETER	CONC	ERR	DL	UNITS	VAL QUAL	COMMENTS	METHOD	MATRIX	CATEGORY	DIL FACT	LAB ID	LAB QUAL	LAB REQU	DATE ANA	SAMPLINK	DATE SAMPLED
SC-12204-S	URANIUM-238	ND		3.24	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5198		WP0252.0	2/26/97	0000026385	1/20/97
SC-12205-S	URANIUM-238	2.60	0.59	1.86	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5199		WP0252.0	1/23/97	0000026386	1/20/97
SC-12206-S	AROCLOR-1248	ND		35	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	0103012A	U	MX0063.0	1/22/97	0000026387	1/20/97
SC-12206-S	AROCLOR-1254	ND		35	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	0103012A	U	MX0063.0	1/22/97	0000026387	1/20/97
SC-12206-S	AROCLOR-1260	ND		35	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	0103012A	U	MX0063.0	1/22/97	0000026387	1/20/97
SC-12206-S	URANIUM-238	ND		2.98	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5200		WP0252.0	1/25/97	0000026387	1/20/97
SC-12207-S	AROCLOR-1248	ND		40	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	0103013A	U	MX0063.0	1/22/97	0000026388	1/20/97
SC-12207-S	AROCLOR-1254	ND		40	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	0103013A	U	MX0063.0	1/22/97	0000026388	1/20/97
SC-12207-S	AROCLOR-1260	ND		40	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	0103013A	U	MX0063.0	1/22/97	0000026388	1/20/97
SC-12207-S	ARSENIC	ND		0.96	UG/G	*		EPA CLP	SOIL	METALS	1.00	0103013A	U	MX0063.0	1/22/97	0000026388	1/20/97
SC-12207-S	CHROMIUM	14.6		0.96	UG/G	*		EPA CLP	SOIL	METALS	1.00	0103013A		MX0063.0	1/22/97	0000026388	1/20/97
SC-12207-S	LEAD	10.9		0.72	UG/G	*		EPA CLP	SOIL	METALS	1.00	0103013A		MX0063.0	1/22/97	0000026388	1/20/97
SC-12207-S	RADIUM-226	1.14	0.11	0.33	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5201		WP0252.0	2/26/97	0000026388	1/20/97
SC-12207-S	RADIUM-228	1.46	0.18	0.66	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5201		WP0252.0	2/26/97	0000026388	1/20/97
SC-12207-S	THORIUM-230	0.98	0.113	0.72	PCI/G	*		EML TH-01	SOIL	RADIOCHEMICAL	1.00	WSC5201		WP0252.0	1/24/97	0000026388	1/20/97
SC-12207-S	URANIUM-238	ND		4.10	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5201		WP0252.0	2/26/97	0000026388	1/20/97
SC-12208-S	AROCLOR-1248	ND		46	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	0103014A	U	MX0063.0	1/23/97	0000026389	1/20/97
SC-12208-S	AROCLOR-1254	ND		46	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	0103014A	U	MX0063.0	1/23/97	0000026389	1/20/97
SC-12208-S	AROCLOR-1260	ND		46	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	0103014A	U	MX0063.0	1/23/97	0000026389	1/20/97
SC-12208-S	ARSENIC	2.8		1.13	UG/G	*		EPA CLP	SOIL	METALS	1.00	0103014A		MX0063.0	1/22/97	0000026389	1/20/97
SC-12208-S	CHROMIUM	23.4		1.13	UG/G	*		EPA CLP	SOIL	METALS	1.00	0103014A		MX0063.0	1/22/97	0000026389	1/20/97
SC-12208-S	LEAD	12.6		0.86	UG/G	*		EPA CLP	SOIL	METALS	1.00	0103014A		MX0063.0	1/22/97	0000026389	1/20/97
SC-12208-S	RADIUM-226	1.07	0.10	0.29	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5202		WP0252.0	2/26/97	0000026389	1/20/97
SC-12208-S	RADIUM-228	1.19	0.19	0.38	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5202		WP0252.0	2/26/97	0000026389	1/20/97
SC-12208-S	THORIUM-230	0.88	0.094	0.72	PCI/G	*		EML TH-01	SOIL	RADIOCHEMICAL	1.00	WSC5202		WP0252.0	1/23/97	0000026389	1/20/97
SC-12208-S	URANIUM-238	ND		3.22	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5202		WP0252.0	2/26/97	0000026389	1/20/97
SC-12209-S	AROCLOR-1248	ND		51	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	0103101A	U	MX0064.0	1/23/97	0000026390	1/20/97
SC-12209-S	AROCLOR-1254	ND		51	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	0103101A	U	MX0064.0	1/23/97	0000026390	1/20/97
SC-12209-S	AROCLOR-1260	ND		51	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	0103101A	U	MX0064.0	1/23/97	0000026390	1/20/97
SC-12209-S	ARSENIC	6.6		1.22	UG/G	*		EPA CLP	SOIL	METALS	1.00	0103101A		MX0064.0	1/22/97	0000026390	1/20/97
SC-12209-S	CHROMIUM	21.0		1.22	UG/G	*		EPA CLP	SOIL	METALS	1.00	0103101A	*	MX0064.0	1/22/97	0000026390	1/20/97
SC-12209-S	LEAD	11.8		0.92	UG/G	*		EPA CLP	SOIL	METALS	1.00	0103101A	N*	MX0064.0	1/22/97	0000026390	1/20/97
SC-12209-S	RADIUM-226	1.22	0.12	0.40	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5203		WP0253.0	2/26/97	0000026390	1/20/97
SC-12209-S	RADIUM-228	1.47	0.19	0.87	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5203		WP0253.0	2/26/97	0000026390	1/20/97
SC-12209-S	THORIUM-230	0.96	0.106	0.72	PCI/G	*		EML TH-01	SOIL	RADIOCHEMICAL	1.00	WSC5203		WP0253.0	1/26/97	0000026390	1/20/97
SC-12209-S	URANIUM-238	ND		3.91	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5203		WP0253.0	2/26/97	0000026390	1/20/97
SC-12210-S	AROCLOR-1248	ND		48	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	0103102A	U	MX0064.0	1/23/97	0000026391	1/20/97
SC-12210-S	AROCLOR-1254	ND		48	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	0103102A	U	MX0064.0	1/23/97	0000026391	1/20/97
SC-12210-S	AROCLOR-1260	ND		48	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	0103102A	U	MX0064.0	1/23/97	0000026391	1/20/97
SC-12210-S	ARSENIC	1.8		1.15	UG/G	*		EPA CLP	SOIL	METALS	1.00	0103102A	B	MX0064.0	1/22/97	0000026391	1/20/97
SC-12210-S	CHROMIUM	14.1		1.15	UG/G	*		EPA CLP	SOIL	METALS	1.00	0103102A	*	MX0064.0	1/22/97	0000026391	1/20/97
SC-12210-S	LEAD	15.0		0.87	UG/G	*		EPA CLP	SOIL	METALS	1.00	0103102A	N*	MX0064.0	1/22/97	0000026391	1/20/97
SC-12210-S	RADIUM-226	1.17	0.09	0.30	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5204		WP0253.0	2/26/97	0000026391	1/20/97
SC-12210-S	RADIUM-228	1.52	0.14	0.40	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5204		WP0253.0	2/26/97	0000026391	1/20/97
SC-12210-S	THORIUM-230	0.87	0.091	0.72	PCI/G	*		EML TH-01	SOIL	RADIOCHEMICAL	1.00	WSC5204		WP0253.0	1/26/97	0000026391	1/20/97
SC-12210-S	URANIUM-238	ND		3.09	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5204		WP0253.0	2/26/97	0000026391	1/20/97
SC-12211-S	AROCLOR-1248	ND		51	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	0103103A	U	MX0064.0	1/23/97	0000026392	1/20/97
SC-12211-S	AROCLOR-1254	ND		51	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	0103103A	U	MX0064.0	1/23/97	0000026392	1/20/97
SC-12211-S	AROCLOR-1260	ND		51	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	0103103A	U	MX0064.0	1/23/97	0000026392	1/20/97
SC-12211-S	ARSENIC	2.0		1.23	UG/G	*		EPA CLP	SOIL	METALS	1.00	0103103A	B	MX0064.0	1/22/97	0000026392	1/20/97
SC-12211-S	CHROMIUM	21.0		1.23	UG/G	*		EPA CLP	SOIL	METALS	1.00	0103103A	*	MX0064.0	1/22/97	0000026392	1/20/97

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WSSRAP ID	PARAMETER	CONC	ERR	DL	UNITS	VAL QUAL	COMMENTS	METHOD	MATRIX	CATEGORY	DIL FACT	LAB ID	LAB QUAL	LAB REQU	DATE ANA	SAMPLINK	DATE SAMPLED
SC-12211-S	LEAD	11.3		0.92	UG/G	*		EPA CLP	SOIL	METALS	1.00	0103103A	N*	MX0064.0	1/22/97	0000026392	1/20/97
SC-12211-S	RADIUM-226	1.09	0.11	0.35	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5205		WP0253.0	2/26/97	0000026392	1/20/97
SC-12211-S	RADIUM-228	1.74	0.23	0.58	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5205		WP0253.0	2/26/97	0000026392	1/20/97
SC-12211-S	THORIUM-230	0.9	0.103	0.72	PCI/G	*		EML TH-01	SOIL	RADIOCHEMICAL	1.00	WSC5205		WP0253.0	1/26/97	0000026392	1/20/97
SC-12211-S	URANIUM-238	ND		3.91	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5205		WP0253.0	2/26/97	0000026392	1/20/97
SC-12212-S	AROCLOR-1248	ND		56	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	0103104A	U	MX0064.0	1/23/97	0000026393	1/20/97
SC-12212-S	AROCLOR-1254	ND		56	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	0103104A	U	MX0064.0	1/23/97	0000026393	1/20/97
SC-12212-S	AROCLOR-1260	ND		56	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	0103104A	U	MX0064.0	1/23/97	0000026393	1/20/97
SC-12212-S	ARSENIC	7.0		1.41	UG/G	*		EPA CLP	SOIL	METALS	1.00	0103104A		MX0064.0	1/22/97	0000026393	1/20/97
SC-12212-S	CHROMIUM	21.4		1.41	UG/G	*		EPA CLP	SOIL	METALS	1.00	0103104A	*	MX0064.0	1/22/97	0000026393	1/20/97
SC-12212-S	LEAD	30.4		1.06	UG/G	*		EPA CLP	SOIL	METALS	1.00	0103104A	N*	MX0064.0	1/22/97	0000026393	1/20/97
SC-12212-S	RADIUM-226	1.14	0.14	0.43	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5206		WP0253.0	2/26/97	0000026393	1/20/97
SC-12212-S	RADIUM-228	1.55	0.17	0.47	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5206		WP0253.0	2/26/97	0000026393	1/20/97
SC-12212-S	THORIUM-230	0.8	0.099	0.72	PCI/G	*		EML TH-01	SOIL	RADIOCHEMICAL	1.00	WSC5206		WP0253.0	1/26/97	0000026393	1/20/97
SC-12212-S	URANIUM-238	ND		4.03	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5206		WP0253.0	2/26/97	0000026393	1/20/97
SC-12213-S	AROCLOR-1248	ND		48	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	0103105A	U	MX0064.0	1/23/97	0000026394	1/20/97
SC-12213-S	AROCLOR-1254	ND		48	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	0103105A	U	MX0064.0	1/23/97	0000026394	1/20/97
SC-12213-S	AROCLOR-1260	ND		48	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	0103105A	U	MX0064.0	1/23/97	0000026394	1/20/97
SC-12213-S	ARSENIC	4.8		1.17	UG/G	*		EPA CLP	SOIL	METALS	1.00	0103105A		MX0064.0	1/22/97	0000026394	1/20/97
SC-12213-S	CHROMIUM	20.5		1.17	UG/G	*		EPA CLP	SOIL	METALS	1.00	0103105A	*	MX0064.0	1/22/97	0000026394	1/20/97
SC-12213-S	LEAD	14.2		0.88	UG/G	*		EPA CLP	SOIL	METALS	1.00	0103105A	N*	MX0064.0	1/22/97	0000026394	1/20/97
SC-12213-S	RADIUM-226	1.08	0.09	0.28	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5207		WP0253.0	2/26/97	0000026394	1/20/97
SC-12213-S	RADIUM-228	1.10	0.12	0.44	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5207		WP0253.0	2/26/97	0000026394	1/20/97
SC-12213-S	THORIUM-230	0.91	0.106	0.72	PCI/G	*		EML TH-01	SOIL	RADIOCHEMICAL	1.00	WSC5207		WP0253.0	1/26/97	0000026394	1/20/97
SC-12213-S	URANIUM-238	ND		3.12	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5207		WP0253.0	2/26/97	0000026394	1/20/97
SC-12214-S	AROCLOR-1248	ND		45	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	0103106A	U	MX0064.0	1/23/97	0000026395	1/20/97
SC-12214-S	AROCLOR-1254	ND		45	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	0103106A	U	MX0064.0	1/23/97	0000026395	1/20/97
SC-12214-S	AROCLOR-1260	ND		45	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	0103106A	U	MX0064.0	1/23/97	0000026395	1/20/97
SC-12214-S	ARSENIC	5.8		1.08	UG/G	*		EPA CLP	SOIL	METALS	1.00	0103106A		MX0064.0	1/22/97	0000026395	1/20/97
SC-12214-S	CHROMIUM	14.7		1.08	UG/G	*		EPA CLP	SOIL	METALS	1.00	0103106A	*	MX0064.0	1/22/97	0000026395	1/20/97
SC-12214-S	LEAD	9.7		0.81	UG/G	*		EPA CLP	SOIL	METALS	1.00	0103106A	N*	MX0064.0	1/22/97	0000026395	1/20/97
SC-12214-S	RADIUM-226	1.03	0.11	0.35	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5208		WP0253.0	2/26/97	0000026395	1/20/97
SC-12214-S	RADIUM-228	0.99	0.17	0.56	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5208		WP0253.0	2/26/97	0000026395	1/20/97
SC-12214-S	THORIUM-230	(0.69)	0.071	0.72	PCI/G	*		EML TH-01	SOIL	RADIOCHEMICAL	1.00	WSC5208		WP0253.0	1/26/97	0000026395	1/20/97
SC-12214-S	URANIUM-238	ND		4.30	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5208		WP0253.0	2/26/97	0000026395	1/20/97
SC-12215-C	AROCLOR-1248	ND		44	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	0103107A	U	MX0064.0	1/23/97	0000026397	1/20/97
SC-12215-C	AROCLOR-1254	ND		44	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	0103107A	U	MX0064.0	1/23/97	0000026397	1/20/97
SC-12215-C	AROCLOR-1260	ND		44	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	0103107A	U	MX0064.0	1/23/97	0000026397	1/20/97
SC-12215-C	CHROMIUM	15.0		1.07	UG/G	*		EPA CLP	SOIL	METALS	1.00	0103107A	*	MX0064.0	1/22/97	0000026397	1/20/97
SC-12215-C	LEAD	7.4		0.80	UG/G	*		EPA CLP	SOIL	METALS	1.00	0103107A	N*	MX0064.0	1/22/97	0000026397	1/20/97
SC-12215-C	RADIUM-226	1.23	0.09	0.25	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5209		WP0253.0	2/26/97	0000026397	1/20/97
SC-12215-C	RADIUM-228	1.11	0.14	0.51	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5209		WP0253.0	2/26/97	0000026397	1/20/97
SC-12215-C	THORIUM-230	0.92	0.109	0.72	PCI/G	*		EML TH-01	SOIL	RADIOCHEMICAL	1.00	WSC5209		WP0253.0	1/26/97	0000026397	1/20/97
SC-12215-C	URANIUM-238	ND		3.19	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5209		WP0253.0	2/26/97	0000026397	1/20/97
SC-12215-S	AROCLOR-1248	ND		45	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	0103108A	U	MX0064.0	1/23/97	0000026396	1/20/97
SC-12215-S	AROCLOR-1254	ND		45	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	0103108A	U	MX0064.0	1/23/97	0000026396	1/20/97
SC-12215-S	AROCLOR-1260	ND		45	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	0103108A	U	MX0064.0	1/23/97	0000026396	1/20/97
SC-12215-S	ARSENIC	2.8		1.09	UG/G	*		EPA CLP	SOIL	METALS	1.00	0103108A		MX0064.0	1/22/97	0000026396	1/20/97
SC-12215-S	CHROMIUM	17.0		1.09	UG/G	*		EPA CLP	SOIL	METALS	1.00	0103108A	*	MX0064.0	1/22/97	0000026396	1/20/97
SC-12215-S	LEAD	12.0		0.82	UG/G	*		EPA CLP	SOIL	METALS	1.00	0103108A	N*	MX0064.0	1/22/97	0000026396	1/20/97
SC-12215-S	RADIUM-226	1.05	0.09	0.28	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5210		WP0253.0	2/26/97	0000026396	1/20/97

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WSSRAP ID	PARAMETER	CONC	ERR	DL	UNITS	VAL QUAL	COMMENTS	METHOD	MATRIX	CATEGORY	DIL FACT	LAB ID	LAB QUAL	LAB REQU	DATE ANA	SAMPLINK	DATE SAMPLED
SC-12215-S	RADIUM-228	1.19	0.12	0.27	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5210		WP0253.0	2/26/97	0000026396	1/20/97
SC-12215-S	THORIUM-230	0.76	0.072	0.72	PCI/G	*		EML TH-01	SOIL	RADIOCHEMICAL	1.00	WSC5210		WP0253.0	1/26/97	0000026396	1/20/97
SC-12215-S	URANIUM-238	ND		3.12	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5210		WP0253.0	2/26/97	0000026396	1/20/97
SC-12216-S	AROCLOR-1248	ND		42	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	0103110A	U	MX0064.0	1/23/97	0000026398	1/20/97
SC-12216-S	AROCLOR-1254	ND		42	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	0103110A	U	MX0064.0	1/23/97	0000026398	1/20/97
SC-12216-S	AROCLOR-1260	ND		42	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	0103110A	U	MX0064.0	1/23/97	0000026398	1/20/97
SC-12216-S	ARSENIC	3.6		1.03	UG/G	*		EPA CLP	SOIL	METALS	1.00	0103110A		MX0064.0	1/22/97	0000026398	1/20/97
SC-12216-S	CHROMIUM	10.2		1.03	UG/G	*		EPA CLP	SOIL	METALS	1.00	0103110A	*	MX0064.0	1/22/97	0000026398	1/20/97
SC-12216-S	LEAD	10.6		0.77	UG/G	*		EPA CLP	SOIL	METALS	1.00	0103110A	N*	MX0064.0	1/22/97	0000026398	1/20/97
SC-12216-S	RADIUM-226	1.15	0.13	0.28	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5212		WP0253.0	2/26/97	0000026398	1/20/97
SC-12216-S	RADIUM-228	1.26	0.19	0.56	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5212		WP0253.0	2/26/97	0000026398	1/20/97
SC-12216-S	THORIUM-230	0.83	0.116	0.72	PCI/G	*		EML TH-01	SOIL	RADIOCHEMICAL	1.00	WSC5212		WP0253.0	1/26/97	0000026398	1/20/97
SC-12216-S	URANIUM-238	ND		4.10	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5212		WP0253.0	2/26/97	0000026398	1/20/97
SC-12217-C	AROCLOR-1248	ND		43	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	0103111A	U	MX0064.0	1/23/97	0000026399	1/20/97
SC-12217-C	AROCLOR-1254	ND		43	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	0103111A	U	MX0064.0	1/23/97	0000026399	1/20/97
SC-12217-C	AROCLOR-1260	ND		43	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	0103111A	U	MX0064.0	1/23/97	0000026399	1/20/97
SC-12217-C	ARSENIC	4.9		1.05	UG/G	*		EPA CLP	SOIL	METALS	1.00	0103111A		MX0064.0	1/22/97	0000026399	1/20/97
SC-12217-C	CHROMIUM	11.4		1.05	UG/G	*		EPA CLP	SOIL	METALS	1.00	0103111A	*	MX0064.0	1/22/97	0000026399	1/20/97
SC-12217-C	LEAD	14.3		0.78	UG/G	*		EPA CLP	SOIL	METALS	1.00	0103111A	N*	MX0064.0	1/22/97	0000026399	1/20/97
SC-12217-C	RADIUM-226	1.49	0.11	0.28	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5213		WP0253.0	2/26/97	0000026399	1/20/97
SC-12217-C	RADIUM-228	1.10	0.13	0.50	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5213		WP0253.0	2/26/97	0000026399	1/20/97
SC-12217-C	THORIUM-230	0.97	0.116	0.72	PCI/G	*		EML TH-01	SOIL	RADIOCHEMICAL	1.00	WSC5213		WP0253.0	1/26/97	0000026399	1/20/97
SC-12217-C	URANIUM-238	ND		3.28	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5213		WP0253.0	2/26/97	0000026399	1/20/97
SC-12217-S	AROCLOR-1248	ND		36	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	0103112A	U	MX0064.0	1/23/97	0000026400	1/20/97
SC-12217-S	AROCLOR-1254	ND		36	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	0103112A	U	MX0064.0	1/23/97	0000026400	1/20/97
SC-12217-S	AROCLOR-1260	ND		36	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	0103112A	U	MX0064.0	1/23/97	0000026400	1/20/97
SC-12217-S	CHROMIUM	11.0		0.87	UG/G	*		EPA CLP	SOIL	METALS	1.00	0103112A	*	MX0064.0	1/22/97	0000026400	1/20/97
SC-12217-S	LEAD	34.9		0.65	UG/G	*		EPA CLP	SOIL	METALS	1.00	0103112A	N*	MX0064.0	1/22/97	0000026400	1/20/97
SC-12217-S	RADIUM-226	0.82	0.10	0.34	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5214		WP0253.0	2/26/97	0000026400	1/20/97
SC-12217-S	RADIUM-228	1.29	0.18	0.51	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5214		WP0253.0	2/26/97	0000026400	1/20/97
SC-12217-S	THORIUM-230	0.77	0.067	0.72	PCI/G	*		EML TH-01	SOIL	RADIOCHEMICAL	1.00	WSC5214		WP0253.0	1/26/97	0000026400	1/20/97
SC-12217-S	URANIUM-238	ND		3.85	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5214		WP0253.0	2/26/97	0000026400	1/20/97
SC-12218-S	AROCLOR-1248	ND		45	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	0103201A	U	MX0065.0	1/23/97	0000026401	1/20/97
SC-12218-S	AROCLOR-1254	ND		45	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	0103201A	U	MX0065.0	1/23/97	0000026401	1/20/97
SC-12218-S	AROCLOR-1260	ND		45	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	0103201A	U	MX0065.0	1/23/97	0000026401	1/20/97
SC-12218-S	ARSENIC	3.7		1.09	UG/G	*		EPA CLP	SOIL	METALS	1.00	0103201A		MX0065.0	1/22/97	0000026401	1/20/97
SC-12218-S	CHROMIUM	12.3		1.09	UG/G	*		EPA CLP	SOIL	METALS	1.00	0103201A		MX0065.0	1/22/97	0000026401	1/20/97
SC-12218-S	LEAD	13.4		0.81	UG/G	*		EPA CLP	SOIL	METALS	1.00	0103201A	*	MX0065.0	1/22/97	0000026401	1/20/97
SC-12218-S	RADIUM-226	1.07	0.09	0.28	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5215		WP0254.0	2/25/97	0000026401	1/20/97
SC-12218-S	RADIUM-228	1.21	0.14	0.44	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5215		WP0254.0	2/25/97	0000026401	1/20/97
SC-12218-S	THORIUM-230	0.94	0.10	0.72	PCI/G	*		EML TH-01	SOIL	RADIOCHEMICAL	1.00	WSC5215		WP0254.0	1/25/97	0000026401	1/20/97
SC-12218-S	URANIUM-238	ND		3.21	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5215		WP0254.0	2/25/97	0000026401	1/20/97
SC-12219-S	URANIUM-238	ND		3.94	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5120		WP0235.0	12/20/96	0000026402	12/16/96
SC-12220-S	URANIUM-238	ND		3.23	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5121		WP0235.0	12/20/96	0000026403	12/16/96
SC-12221-S	AROCLOR-1248	ND		41	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	13152022	U	QT2079.0	12/19/96	0000026404	12/16/96
SC-12221-S	AROCLOR-1254	ND		41	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	13152022	U	QT2079.0	12/19/96	0000026404	12/16/96
SC-12221-S	AROCLOR-1260	ND		41	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	13152022	U	QT2079.0	12/19/96	0000026404	12/16/96
SC-12221-S	CHROMIUM	10.6		0.37	UG/G	*		EPA CLP	SOIL	METALS	1.00	13152022		QT2079.0	12/18/96	0000026404	12/16/96
SC-12221-S	LEAD	14.5		0.20	UG/G	*		EPA CLP	SOIL	METALS	1.00	13152022		QT2079.0	12/18/96	0000026404	12/16/96
SC-12221-S	RADIUM-226	1.16	0.09	0.32	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5122		WP0235.0	1/21/97	0000026404	12/16/96
SC-12221-S	RADIUM-228	1.43	0.14	0.48	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5122		WP0235.0	1/21/97	0000026404	12/16/96

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WSSRAP ID	PARAMETER	CONC	ERR	DL	UNITS	VAL QUAL	COMMENTS	METHOD	MATRIX	CATEGORY	DIL FACT	LAB ID	LAB QUAL	LAB REQU	DATE ANA	SAMPLINK	DATE SAMPLED
SC-12221-S	THORIUM-230	0.99	0.10	0.72	PCI/G	*		EML TH-01	SOIL	RADIOCHEMICAL	1.00	WSC5122		WP0235.0	12/21/96	0000026404	12/16/96
SC-12221-S	URANIUM-238	5.72	1.02	3.04	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5122		WP0235.0	1/21/97	0000026404	12/16/96
SC-12222-C	AROCLOR-1248	ND		39	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	0103202A	U	MX0065.0	1/23/97	0000026406	1/20/97
SC-12222-C	AROCLOR-1254	ND		39	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	0103202A	U	MX0065.0	1/23/97	0000026406	1/20/97
SC-12222-C	AROCLOR-1260	ND		39	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	0103202A	U	MX0065.0	1/23/97	0000026406	1/20/97
SC-12222-C	CHROMIUM	7.0		0.94	UG/G	*		EPA CLP	SOIL	METALS	1.00	0103202A		MX0065.0	1/22/97	0000026406	1/20/97
SC-12222-C	LEAD	6.1		0.71	UG/G	*		EPA CLP	SOIL	METALS	1.00	0103202A	*	MX0065.0	1/22/97	0000026406	1/20/97
SC-12222-C	RADIUM-226	0.80	0.10	0.41	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5216		WP0254.0	2/25/97	0000026406	1/20/97
SC-12222-C	RADIUM-228	ND		1.15	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5216		WP0254.0	2/25/97	0000026406	1/20/97
SC-12222-C	THORIUM-230	0.74	0.08	0.72	PCI/G	*		EML TH-01	SOIL	RADIOCHEMICAL	1.00	WSC5216		WP0254.0	1/25/97	0000026406	1/20/97
SC-12222-S	AROCLOR-1248	ND		46	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	0103203A	U	MX0065.0	1/23/97	0000026405	1/20/97
SC-12222-S	AROCLOR-1254	ND		46	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	0103203A	U	MX0065.0	1/23/97	0000026405	1/20/97
SC-12222-S	AROCLOR-1260	ND		46	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	0103203A	U	MX0065.0	1/23/97	0000026405	1/20/97
SC-12222-S	CHROMIUM	17.3		1.15	UG/G	*		EPA CLP	SOIL	METALS	1.00	0103203A		MX0065.0	1/22/97	0000026405	1/20/97
SC-12222-S	LEAD	28.3		0.87	UG/G	*		EPA CLP	SOIL	METALS	1.00	0103203A	*	MX0065.0	1/22/97	0000026405	1/20/97
SC-12222-S	RADIUM-226	0.86	0.08	0.28	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5217		WP0254.0	2/25/97	0000026405	1/20/97
SC-12222-S	RADIUM-228	1.43	0.13	0.39	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5217		WP0254.0	2/25/97	0000026405	1/20/97
SC-12222-S	THORIUM-230	0.81	0.08	0.72	PCI/G	*		EML TH-01	SOIL	RADIOCHEMICAL	1.00	WSC5217		WP0254.0	1/25/97	0000026405	1/20/97
SC-12222-S	URANIUM-238	3.26	0.70	2.27	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5217		WP0254.0	2/25/97	0000026405	1/20/97
SC-12223-S	AROCLOR-1248	ND		41	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	0103204A	U	MX0065.0	1/23/97	0000026407	1/20/97
SC-12223-S	AROCLOR-1254	ND		41	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	0103204A	U	MX0065.0	1/23/97	0000026407	1/20/97
SC-12223-S	AROCLOR-1260	ND		41	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	0103204A	U	MX0065.0	1/23/97	0000026407	1/20/97
SC-12223-S	ARSENIC	4.8		1.02	UG/G	*		EPA CLP	SOIL	METALS	1.00	0103204A		MX0065.0	1/23/97	0000026407	1/20/97
SC-12223-S	CHROMIUM	10.2		1.02	UG/G	*		EPA CLP	SOIL	METALS	1.00	0103204A		MX0065.0	1/23/97	0000026407	1/20/97
SC-12223-S	LEAD	10.2		0.77	UG/G	*		EPA CLP	SOIL	METALS	1.00	0103204A	*	MX0065.0	1/23/97	0000026407	1/20/97
SC-12223-S	RADIUM-226	1.06	0.09	0.29	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5218		WP0254.0	2/25/97	0000026407	1/20/97
SC-12223-S	RADIUM-228	1.14	0.13	0.45	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5218		WP0254.0	2/25/97	0000026407	1/20/97
SC-12223-S	THORIUM-230	0.92	0.10	0.72	PCI/G	*		EML TH-01	SOIL	RADIOCHEMICAL	1.00	WSC5218		WP0254.0	1/25/97	0000026407	1/20/97
SC-12223-S	URANIUM-238	ND		3.27	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5218		WP0254.0	2/25/97	0000026407	1/20/97
SC-12224-S	AROCLOR-1248	ND		46	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	0103206A	U	MX0065.0	1/23/97	0000026408	1/20/97
SC-12224-S	AROCLOR-1254	ND		46	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	0103206A	U	MX0065.0	1/23/97	0000026408	1/20/97
SC-12224-S	AROCLOR-1260	ND		46	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	0103206A	U	MX0065.0	1/23/97	0000026408	1/20/97
SC-12224-S	ARSENIC	8.7		1.11	UG/G	*		EPA CLP	SOIL	METALS	1.00	0103206A		MX0065.0	1/23/97	0000026408	1/20/97
SC-12224-S	CHROMIUM	15.4		1.11	UG/G	*		EPA CLP	SOIL	METALS	1.00	0103206A		MX0065.0	1/23/97	0000026408	1/20/97
SC-12224-S	LEAD	15.5		0.83	UG/G	*		EPA CLP	SOIL	METALS	1.00	0103206A	*	MX0065.0	1/23/97	0000026408	1/20/97
SC-12224-S	RADIUM-226	0.94	0.12	0.37	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5220		WP0254.0	2/25/97	0000026408	1/20/97
SC-12224-S	RADIUM-228	1.02	0.17	0.54	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5220		WP0254.0	2/25/97	0000026408	1/20/97
SC-12224-S	THORIUM-230	0.97	0.10	0.72	PCI/G	*		EML TH-01	SOIL	RADIOCHEMICAL	1.00	WSC5220		WP0254.0	1/24/97	0000026408	1/20/97
SC-12224-S	URANIUM-238	ND		3.67	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5220		WP0254.0	2/25/97	0000026408	1/20/97
SC-12225-C	AROCLOR-1248	ND		45	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	0103207A	U	MX0065.0	1/23/97	0000026409	1/20/97
SC-12225-C	AROCLOR-1254	ND		45	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	0103207A	U	MX0065.0	1/23/97	0000026409	1/20/97
SC-12225-C	AROCLOR-1260	ND		45	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	0103207A	U	MX0065.0	1/23/97	0000026409	1/20/97
SC-12225-S	AROCLOR-1248	ND		37	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	13154017	U	QT2080.0	12/19/96	0000026410	12/16/96
SC-12225-S	AROCLOR-1254	ND		37	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	13154017	U	QT2080.0	12/19/96	0000026410	12/16/96
SC-12225-S	AROCLOR-1260	ND		37	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	13154017	U	QT2080.0	12/19/96	0000026410	12/16/96
SC-12225-S	BENZO(A)ANTHRACENE	ND		39	UG/KG	*		EPA 8310	SOIL	SEMI-VOLATILES	1.00	13154017	U	QT2080.0	12/19/96	0000026410	12/16/96
SC-12225-S	BENZO(A)PYRENE	ND		39	UG/KG	*		EPA 8310	SOIL	SEMI-VOLATILES	1.00	13154017	U	QT2080.0	12/19/96	0000026410	12/16/96
SC-12225-S	BENZO(B)FLUORANTHENE	ND		39	UG/KG	*		EPA 8310	SOIL	SEMI-VOLATILES	1.00	13154017	U	QT2080.0	12/19/96	0000026410	12/16/96
SC-12225-S	BENZO(K)FLUORANTHENE	ND		39	UG/KG	*		EPA 8310	SOIL	SEMI-VOLATILES	1.00	13154017	U	QT2080.0	12/19/96	0000026410	12/16/96
SC-12225-S	CHRYSENE	ND		39	UG/KG	*		EPA 8310	SOIL	SEMI-VOLATILES	1.00	13154017	U	QT2080.0	12/19/96	0000026410	12/16/96
SC-12225-S	INDENO(1,2,3-CD)PYRENE	ND		39	UG/KG	*		EPA 8310	SOIL	SEMI-VOLATILES	1.00	13154017	U	QT2080.0	12/19/96	0000026410	12/16/96

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WSSRAP ID	PARAMETER	CONC	ERR	DL	UNITS	VAL QUAL	COMMENTS	METHOD	MATRIX	CATEGORY	DIL FACT	LAB ID	LAB QUAL	LAB REQU	DATE ANA	SAMPLINK	DATE SAMPLED
SC-12225-S	RADIUM-226	1.11	0.12	0.37	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5141		WP0236.0	1/22/97	0000026410	12/16/96
SC-12225-S	RADIUM-228	1.60	0.18	0.64	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5141		WP0236.0	1/22/97	0000026410	12/16/96
SC-12225-S	URANIUM-238	ND		4.48	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5141		WP0236.0	1/22/97	0000026410	12/16/96
SC-12226-S	AROCLOR-1248	ND		38	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	13154018	U	QT2080.0	12/19/96	0000026411	12/16/96
SC-12226-S	AROCLOR-1254	ND		38	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	13154018	U	QT2080.0	12/19/96	0000026411	12/16/96
SC-12226-S	AROCLOR-1260	ND		38	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	13154018	U	QT2080.0	12/19/96	0000026411	12/16/96
SC-12226-S	URANIUM-238	ND		3.58	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5142		WP0236.0	12/19/96	0000026411	12/16/96
SC-12227-S	URANIUM-238	ND		4.18	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5143		WP0236.0	12/19/96	0000026412	12/16/96
SC-12228-C	AROCLOR-1248	ND		42	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	0103208A	U	MX0065.0	1/23/97	0000026413	1/20/97
SC-12228-C	AROCLOR-1254	ND		42	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	0103208A	U	MX0065.0	1/23/97	0000026413	1/20/97
SC-12228-C	AROCLOR-1260	ND		42	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	0103208A	U	MX0065.0	1/23/97	0000026413	1/20/97
SC-12228-C	ARSENIC	3.2		1.08	UG/G	*		EPA CLP	SOIL	METALS	1.00	0103208A		MX0065.0	1/23/97	0000026413	1/20/97
SC-12228-C	CHROMIUM	12.5		1.08	UG/G	*		EPA CLP	SOIL	METALS	1.00	0103208A		MX0065.0	1/23/97	0000026413	1/20/97
SC-12228-C	LEAD	9.7		0.81	UG/G	*		EPA CLP	SOIL	METALS	1.00	0103208A	*	MX0065.0	1/23/97	0000026413	1/20/97
SC-12228-C	RADIUM-226	1.01	0.09	0.26	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5221		WP0254.0	2/25/97	0000026413	1/20/97
SC-12228-C	RADIUM-228	1.33	0.13	0.43	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5221		WP0254.0	2/25/97	0000026413	1/20/97
SC-12228-C	THORIUM-230	(0.68)	0.05	0.72	PCI/G	*		EML TH-01	SOIL	RADIOCHEMICAL	1.00	WSC5221		WP0254.0	1/24/97	0000026413	1/20/97
SC-12228-C	URANIUM-238	ND		3.08	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5221		WP0254.0	2/25/97	0000026413	1/20/97
SC-12228-S	AROCLOR-1248	ND		42	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	13154019	U	QT2080.0	12/19/96	0000026414	12/16/96
SC-12228-S	AROCLOR-1254	60		42	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	13154019		QT2080.0	12/19/96	0000026414	12/16/96
SC-12228-S	AROCLOR-1260	ND		42	UG/KG	*		EPA 8080A	SOIL	PEST/PCBS	1.00	13154019	U	QT2080.0	12/19/96	0000026414	12/16/96
SC-12228-S	CHROMIUM	12.4		0.36	UG/G	*		EPA CLP	SOIL	METALS	1.00	13154019		QT2080.0	12/18/96	0000026414	12/16/96
SC-12228-S	LEAD	19.7		0.20	UG/G	*		EPA CLP	SOIL	METALS	1.00	13154019		QT2080.0	12/18/96	0000026414	12/16/96
SC-12228-S	RADIUM-226	1.07	0.09	0.29	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5144		WP0236.0	1/22/97	0000026414	12/16/96
SC-12228-S	RADIUM-228	1.50	0.13	0.42	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5144		WP0236.0	1/22/97	0000026414	12/16/96
SC-12228-S	THORIUM-230	0.95	0.10	0.72	PCI/G	*		EML TH-01	SOIL	RADIOCHEMICAL	1.00	WSC5144		WP0236.0	12/20/96	0000026414	12/16/96
SC-12228-S	URANIUM-238	ND		3.07	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5144		WP0236.0	1/22/97	0000026414	12/16/96
SC-14202-C	RADIUM-226	1.48	0.13	0.36	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5449		WP0269.0	3/24/97	0000033824	2/17/97
SC-14202-C	RADIUM-228	1.39	0.15	0.40	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5449		WP0269.0	3/24/97	0000033824	2/17/97
SC-14202-C	URANIUM-238	2.30	1.00	3.06	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5449		WP0269.0	3/24/97	0000033824	2/17/97
SC-14203-S	RADIUM-226	1.56	0.10	0.27	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5450		WP0269.0	3/24/97	0000033825	2/17/97
SC-14203-S	RADIUM-228	1.47	0.14	0.54	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5450		WP0269.0	3/24/97	0000033825	2/17/97
SC-14203-S	URANIUM-238	ND		2.76	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5450		WP0269.0	3/24/97	0000033825	2/17/97
SC-14205-S	RADIUM-226	1.47	1.25	0.32	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5451		WP0269.0	3/24/97	0000033646	2/17/97
SC-14205-S	RADIUM-228	1.42	0.18	0.44	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5451		WP0269.0	3/24/97	0000033646	2/17/97
SC-14205-S	URANIUM-238	ND		4.62	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5451		WP0269.0	3/24/97	0000033646	2/17/97
SC-14206-S	RADIUM-226	1.44	0.10	0.35	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5452		WP0269.0	3/24/97	0000033647	2/17/97
SC-14206-S	RADIUM-228	1.37	0.14	0.45	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5452		WP0269.0	3/24/97	0000033647	2/17/97
SC-14206-S	URANIUM-238	2.26	0.67	2.47	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5452		WP0269.0	3/24/97	0000033647	2/17/97
SC-14207-C	RADIUM-226	1.49	0.13	0.31	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5453		WP0269.0	3/24/97	0000033660	2/17/97
SC-14207-C	RADIUM-228	1.47	0.18	0.24	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5453		WP0269.0	3/24/97	0000033660	2/17/97
SC-14207-C	URANIUM-238	ND		4.41	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5453		WP0269.0	3/24/97	0000033660	2/17/97
SC-14208-S	RADIUM-226	1.25	0.09	0.23	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5454		WP0269.0	3/24/97	0000033648	2/17/97
SC-14208-S	RADIUM-228	1.11	0.12	0.36	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5454		WP0269.0	3/24/97	0000033648	2/17/97
SC-14208-S	URANIUM-238	ND		2.76	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5454		WP0269.0	3/24/97	0000033648	2/17/97
SC-14209-S	RADIUM-226	1.61	0.10	0.22	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5455		WP0269.0	3/24/97	0000033649	2/17/97
SC-14209-S	RADIUM-228	1.43	0.12	0.29	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5455		WP0269.0	3/24/97	0000033649	2/17/97
SC-14209-S	URANIUM-238	1.39	0.54	2.36	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5455		WP0269.0	3/24/97	0000033649	2/17/97
SC-14210-C	RADIUM-226	1.25	0.13	0.41	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5456		WP0269.0	3/24/97	0000033662	2/17/97
SC-14210-C	RADIUM-228	1.34	0.20	0.51	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5456		WP0269.0	3/24/97	0000033662	2/17/97
SC-14210-C	URANIUM-238	ND		4.05	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5456		WP0269.0	3/24/97	0000033662	2/17/97

APPENDIX D TABLE D-1

WSSRAP ID	PARAMETER	CONC	ERR	DL	UNITS	VAL QUAL	COMMENTS	METHOD	MATRIX	CATEGORY	DIL FACT	LAB ID	LAB QUAL	LAB REQU	DATE ANA	SAMPLINK	DATE SAMPLED
SC-14211-S	RADIUM-226	1.34	0.09	0.30	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5457		WP0269.0	3/24/97	0000033650	2/17/97
SC-14211-S	RADIUM-228	1.31	0.13	0.39	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5457		WP0269.0	3/24/97	0000033650	2/17/97
SC-14211-S	URANIUM-238	ND		2.72	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5457		WP0269.0	3/24/97	0000033650	2/17/97
SC-14212-S	RADIUM-226	1.40	0.13	0.34	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5459		WP0269.0	3/26/97	0000033651	2/17/97
SC-14212-S	RADIUM-228	1.30	0.18	0.62	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5459		WP0269.0	3/26/97	0000033651	2/17/97
SC-14212-S	URANIUM-238	4.53	1.14	2.89	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5459		WP0269.0	3/26/97	0000033651	2/17/97
SC-14214-S	RADIUM-226	1.37	0.09	0.28	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5460		WP0269.0	3/26/97	0000033652	2/17/97
SC-14214-S	RADIUM-228	1.25	0.12	0.34	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5460		WP0269.0	3/26/97	0000033652	2/17/97
SC-14214-S	URANIUM-238	3.90	0.84	2.89	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5460		WP0269.0	3/26/97	0000033652	2/17/97
SC-14216-S	RADIUM-226	1.53	0.09	0.23	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5461		WP0269.0	3/27/97	0000033653	2/17/97
SC-14216-S	RADIUM-228	1.23	0.13	0.41	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5461		WP0269.0	3/27/97	0000033653	2/17/97
SC-14216-S	URANIUM-238	7.93	1.12	2.68	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5461		WP0269.0	3/27/97	0000033653	2/17/97
SC-14217-S	RADIUM-226	1.53	0.13	0.33	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5462		WP0269.0	3/27/97	0000033654	2/17/97
SC-14217-S	RADIUM-228	1.33	0.18	0.57	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5462		WP0269.0	3/27/97	0000033654	2/17/97
SC-14217-S	URANIUM-238	2.16	1.19	3.78	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5462		WP0269.0	3/27/97	0000033654	2/17/97
SC-14218-C	RADIUM-226	1.13	0.08	0.26	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5463		WP0269.0	3/27/97	0000033664	2/17/97
SC-14218-C	RADIUM-228	1.19	0.12	0.44	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5463		WP0269.0	3/27/97	0000033664	2/17/97
SC-14218-C	URANIUM-238	7.45	1.06	2.38	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5463		WP0269.0	3/27/97	0000033664	2/17/97
SC-14219-S	RADIUM-226	1.53	0.13	0.40	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5464		WP0269.0	3/27/97	0000033656	2/17/97
SC-14219-S	RADIUM-228	1.22	0.21	0.67	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5464		WP0269.0	3/27/97	0000033656	2/17/97
SC-14219-S	URANIUM-238	7.96	1.72	5.22	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5464		WP0269.0	3/27/97	0000033656	2/17/97
SC-14220-S	RADIUM-226	1.48	0.10	0.23	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5465		WP0269.0	3/27/97	0000033657	2/17/97
SC-14220-S	RADIUM-228	1.33	0.13	0.50	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5465		WP0269.0	3/27/97	0000033657	2/17/97
SC-14220-S	URANIUM-238	2.97	0.77	2.72	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5465		WP0269.0	3/27/97	0000033657	2/17/97
SC-14221-C	RADIUM-226	1.37	0.12	0.40	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5466		WP0269.0	3/27/97	0000033665	2/17/97
SC-14221-C	RADIUM-228	1.24	0.19	0.60	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5466		WP0269.0	3/27/97	0000033665	2/17/97
SC-14221-C	URANIUM-238	3.87	1.23	3.54	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5466		WP0269.0	3/27/97	0000033665	2/17/97
SC-14222-S	RADIUM-226	1.45	0.13	0.39	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5467		WP0269.0	3/27/97	0000033659	2/17/97
SC-14222-S	RADIUM-228	1.42	0.19	0.52	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5467		WP0269.0	3/27/97	0000033659	2/17/97
SC-14222-S	URANIUM-238	ND		4.56	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5467		WP0269.0	3/27/97	0000033659	2/17/97
SC-14225-C	RADIUM-226	1.64	0.10	0.25	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5468		WP0269.0	3/27/97	0000033666	2/17/97
SC-14225-C	RADIUM-228	1.34	0.15	0.48	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5468		WP0269.0	3/27/97	0000033666	2/17/97
SC-14225-C	URANIUM-238	4.69	0.69	2.82	PCI/G	*		HASL300	SOIL	RADIOCHEMICAL	1.00	WSC5468		WP0269.0	3/27/97	0000033666	2/17/97

APPENDIX D TABLE D-1

WSSRAP ID	PARAMETER	CONC	ERR	DL	UNITS	VAL QUAL	COMMENTS	METHOD	MATRIX	CATEGORY	DIL FACT	LAB ID	LAB QUAL	LAB REQU	DATE ANA	SAMPLINK	DATE SAMPLED

LEGEND:

WSSRAP ID	WSSRAP IDENTIFICATION CODE
PARAMETER	PARAMETER THAT WAS ANALYZED
CONC	CONCENTRATION (ND = NON-DETECTED)
ERR	ANALYTICAL ERROR
DL	DETECTION LIMIT
UNITS	APPROPRIATE UNITS
COMMENTS	ASSOCIATED COMMENTS WITH SAMPLE
VAL QUAL	VALIDATION QUALIFIER:
	A = DATA MEETING ALL QA/QC REQUIREMENTS. THE PARAMETER WAS ANALYZED FOR AND DETECTED.
	U = DATA MEETING ALL QA/QC REQUIREMENTS. THE PARAMETER WAS ANALYZED FOR BUT NOT DETECTED. IF A NUMBER IS INCLUDED WITH THE QUALIFIER, THE DL HAS BEEN RAISED TO THE LEVEL IN THE SAMPLE DUE TO BLANK CONTAMINATION
	J = DATA THAT ARE AN ESTIMATE OR ARE ADEQUATE FOR A SEMI-QUANTITATIVE ASSESSMENT.
	UJ = THE PARAMETER WAS ANALYZED FOR, BUT WAS NOT DETECTED. THE ASSOCIATED VALUE IS AN ESTIMATED QUANTITY.
	N = PRESUMPTIVE EVIDENCE OF PRESENCE OF PARAMETER WITH NO ESTIMATION OF QUANTITY.
	NJ = PRESUMPTIVE EVIDENCE OF PRESENCE OF PARAMETER AT AN ESTIMATED QUANTITY.
	DL = DETECTION LIMIT REQUIREMENTS HAVE NOT BEEN MET. DATA QUALITY OBJECTIVES MAY NOT BE MET.
	UI = UNCERTAIN IDENTIFICATION OF THE PARAMETER.
	JE = THE RADIOLOGICAL UNCERTAINTY IS AN ESTIMATED QUANTITY.
	R = DATA THE ATE UNUSABLE (PARAMETER MAY OR MAY NOT BE PRESENT).
	* = DATA THAT HAVE BEEN VALIDATED.
	V = DATA THAT APPEAR TO BE VALID BASED ON SIMILAR DATA FROM IDENTICAL SAMPLING LOCATIONS OR BY COMPARISON TO HISTORICAL RECORDS.
	O = DATA THAT ARE ON HOLD
	X = DATA THAT CANNOT BE VALIDATED DUE TO MISSING LABORATORY INFORMATION.
METHOD	ANALYTICAL METHOD
MATRIX	SAMPLE MATRIX
CATEGORY	ANALYTICAL CATEGORY
DIL	DILUTION FACTOR
LAB ID	IDENTIFICATION GIVEN BY THE LAB
LAB QUAL	LABORATORY QUALIFIER
LAB REQU	LABORATORY REQUEST NUMBER
DATE ANA	DATE ANALYZED
SAMPLINK	SAMPLE LINK NUMBER
DATE SAM	DATE SAMPLED

APPENDIX E
Inter-Office Correspondence

MORRISON KNUDSEN CORPORATION

MK-FERGUSON GROUP

INTER-OFFICE CORRESPONDENCE

DATE: November 20, 1995

TO: ALARA Committee

FROM: Richard Machado/Michelle French MF

SUBJECT: TH232 DETERMINATION FOR SITE CONFIRMATION SAMPLES

Th232 can occur in two forms at the site: (1) naturally and (2) processed to purify Th232. Both of these forms are subject to the same transformation equation. Given a Th232 half life of 1.39 x 10^{10} years and a Ra228 half life of 5.75 years, a condition known as secular equilibrium occurs. Secular equilibrium occurs when the half life of the parent is very much greater than that of the daughter. If an initially pure parent (Th232) is formed, its radioactive transformation will result in accumulation of the daughter (Ra228). Since the daughter (Ra228) decays very much faster than the parent (Th232), a point is soon reached at which the amount of parent (Th232) present is equal to that of the daughter (Ra228).

The equation that represents this condition of secular equilibrium is:

$$Q_B = Q_A (1 - e^{-\lambda_B t})$$

where Q_A=parent (Th232) activity, Q_B=daughter (Ra228) activity, t=time since placement of material, and λ_B=decay constant for daughter (Ra228). Therefore, the fraction of daughter activity to parent activity

$$\left(\frac{A(RA\text{-}228)}{A(Th\text{-}232)}\right)$$

present at the WSSRAP in 1995 can be calculated.

Assume that production ceased at the site on January 1, 1965, and that all Th232 was produced on that very last day (t=30.9 years). Given a half life for Ra228 of 5.75 years, the decay constant would equal

$$(\lambda_B = 0.121\ Y^{-1})$$

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Given this information, the ratio of Ra228 activity to Th232 activity can be calculated as follows:

$$\frac{Q_B}{Q_A} = \frac{A\,(Ra\text{-}228)}{A\,(Th\text{-}232)} = 1 - e^{-\lambda_B t}$$

$$\frac{A\,(Ra228)}{A\,(Th232)} = 1 - e^{-(0.121Y^{-1})\,(30.9Y)} = 1 - 0.024 = 0.976$$

$$\therefore \frac{A\,(Ra\text{-}228)}{A\,(Th\text{-}232)} = 0.976 \quad or \quad A\,(Th\text{-}232) = 1.025\,A\,(Ra\text{-}228)$$

This representation will be true for both naturally occurring Th232 and processed Th232. The other situation to be addressed includes the circumstance when Ra228 and associated decay products were placed as a waste material after purification of Th232. In this situation, the amount of Ra228 present will be much greater than the Th232 present. This information is illustrated in a previous assessment of the ratio of Ra228 concentrations to that of Th232 in raffinate pit wastes. The average ratio was reported as 7.02 in the *Concentration Ratios of Radionuclides* in the U238, U235, and Th232 *Decay Series* (DOE/OR/21548-250), indicating that the average activity concentration for Th232 is 0.14 of the activity concentration for Ra228.

The Record of Decision states that if Th232 and Ra228 are present and not in secular equilibrium, the cleanup criteria apply for the radionuclide with the higher concentration. Thus, for determination of successful cleanup, the use of a Ra-228 ALARA goal of 4.88 pCi/g and a criteria of 6.05 pCi/g will result in removing Th232 to within 5 pCi/g (ALARA) and 6.2 pCi/g (criteria), respectively.

Given this practice, it is recommended that the on-site radiological analyses for Ra-228 concentrations in soil be used to determine attainment of Th-232 cleanup. It is also recommended that 2% of the samples (1 of every 50) that are independently analyzed via an off-site facility be used as a quality check for all radionuclides of interest (U238, Th230, Th232, Ra228, and Ra226). In addition, these numbers should be summarized in post remediation reports for each work package to support the decision to use Ra228 to determine successful cleanup of Th232.

RM/MF/jn

<u>Distribution</u>: ALARA Committee

Steve Warren	Alternates:	Marj Wesley
Ken Meyer		Jack Cooney
Ken Greenwell		Dan Hoffman
Jim Meier		Melissa Lutz

MORRISON KNUDSEN CORPORATION

MK-FERGUSON GROUP

INTER-OFFICE CORRESPONDENCE

DATE: November 17, 1995

TO: ALARA Committee

FROM: Michelle French/Richard Machado

SUBJECT: **RA-226 DETERMINATION FOR SITE CONFIRMATION SAMPLES**

Background

The issue surrounding Ra-226 analysis via gamma spectroscopy arises due to the fact that the Ra-226 soil concentration is determined by using the following energy peaks: 295 keV and 352 keV for Pb-214; and 609 keV, 1120 keV, and 1764 keV for Bi-214. These radionuclides are both short-lived daughters of Rn-222. The drying and grinding processes are known to drive off Rn-222 that is trapped in the soil pores and moisture held in the soil. In order to quantitatively identify Ra-226 using gamma spectroscopy, Rn-222 and its short-lived progeny must be allowed to grow into secular equilibrium following such sample preparation techniques. The following alternatives were evaluated for estimating the Ra-226 concentration in soil given gamma spectroscopy analysis within five working days of sample collection.

Alternative 1

Send all samples requiring Ra-226 analysis to an offsite laboratory. At offsite facilities, Ra-226 is typically analyzed through alpha spectroscopy which does not rely on the Ra-222 daughter products to provide a quantitative result. The minimum turnaround time that can be provided for alpha spectroscopy analysis for Ra-226 is four days. At one and two day turnaround times, the method for analysis is modified to use Gas Flow Proportional Counting for total alpha counting yielding a total radium number with no separation of isotopic contributions. Given the four day turnaround time and an estimate of 750 samples (WP-253 and WP-420), the total analytical costs will be $95,250.

The major disadvantage in this approach is the tight schedule involved with sample collection, packaging, shipping, data receipt, data review, and ALARA committee action. It may be impossible to accomplish this within five working days given the four day turnaround requirement.

11-21-95

Alternative 2

As stated above, the drying and grinding processes are known to drive off radon that is trapped in the soil matrix. However, the amount of radon removed from these processes is not quantified. If you were to assume that all the radon is removed during these processes and the time of final preparation was recorded, a correction factor can be applied based upon the secular equilibrium condition equation. For example, the following table summarizes the ratio of activity of Rn-222 to the activity of Ra-226.

A(Rn-222)/A(Ra-226)	Time Post Canning (Days)
0.167	1
0.306	2
0.422	3
0.665	6
0.807	9
0.888	12
0.935	15
0.963	18
0.978	21
0.987	24
0.993	27
0.996	30

Thus, if the samples were counted three days post canning, a correction factor of 0.422 would be used to determine the estimated final Ra-226 concentration. Given this approach, any concentration determined three days post preparation would be divided by 0.422 to arrive at the final concentration. For a 5 pCi/g ALARA goal, any result above 2.1 pCi/g would be rejected.

The major limitation with this approach is the assumption that the drying and grinding processes remove 100% of the radon. Samples that have been analyzed within one day of preparation have never yielded results much below expected background concentrations (0.8-1.0 pCi/g).

Thus, the use of a correction factor on the order of 0.167 could result in a very conservative approach for estimating the final Ra-226 soil concentration in background soils (in fact all samples analyzed one day after canning would equal or exceed 5 pCi/g).

Alternative 3

All samples that are collected to support confirmation can be analyzed as wet samples to virtually eliminate the radon removal that occurs during sample preparation. However, there are numerous considerations, such as sample homogeneity, particle size, moisture content variability, etc., that can produce error in such analyses. If the samples are analyzed wet, they would also be prepared and analyzed to provide final concentrations for each radionuclide of interest for the sample. This dry evaluation would require an analysis within the confirmation cleanup turnaround period and a second analysis within 20-30 days later to finalize Ra-226 concentrations to an acceptable quality level. This approach would involve three analyses of every sample. The initial wet analysis can be used to estimate the final Ra-226 concentration. However, this estimate must be made on a case by case basis through moisture corrections, etc.

The major limitation for this approach is the reduction in lab productivity as an extra canning effort would be needed to generate a wet and a dry sample for each sample and count time for each sample would increase by a factor of three.

Alternative 4

Over the last several months, the onsite radiological laboratory has been recounting samples that were analyzed during the months of April - September 1995. These reanalyses were done in order to support final analyses of SE Drainage and Quarry characterization samples. The graph on the attached page illustrates a portion of the recount results versus the initial results. The graph includes those samples that had initial Ra-226 results < 5 pCi/g. As illustrated, the background - 2.2 pCi/g sample range had 100% of all sample recounts fall less than 5 pCi/g. For those in the range of 2.2 - 3.2 pCi/g, the likelihood of exceeding 5 pCi/g was approximately 50%. All of the samples with initial results greater than 3.2 pCi/g had final Ra-226 results > 5 pCi/g.

This information can be used to establish a criteria about which samples can be said to meet the ALARA goal of 5 pCi/g within the five working day turnaround window.

Given the current study findings, it is recommended that any sample with an initial Ra-226 result > 2.2 pCi/g be expected to exceed the ALARA goal of 5 pCi/g. In addition, the estimated final Ra-226 soil concentration should be found by multiplying the initial result by 2.27 (2.2 pCi/g x 2.27 = 5 pCi/g). This correction factor is very close to the maximum increase from initial results to recount results (e.g., 2.56) in the background to 2.2 pCi/g concentration range. The average increase from initial results to recount results for this range was 1.51. However, use of a value closer to the maximum value affords less risk in exceeding expected confirmation goals. The laboratory will work to refine these numbers to further minimize the risk as they continue to recount samples collected over the last few months. The major limitation with this alternative is the potential to over excavate, increasing disposal costs.

Alternative 5

This alternative involves a combination of alternatives 3 and 4. Samples that do not have elevated direct survey results via a 2x2 NaI or a 44-9 survey should be prepared and evaluated in accordance with alternative 4. Samples that do have above background survey results will be analyzed wet and evaluated accordingly to determine the estimated final Ra-226 concentration. The sample will then be prepared and analyzed a second time to provide quality level data for the other radionuclides of interest. In addition, each prepared sample would be analyzed within 30 days after preparation to finalize the Ra-226 concentration to an acceptable quality level.

The major limitation with this approach is the loss in productivity as a result of the double canning needs and increased count times for a portion of the samples.

Recommendation

The Onsite Radiological Laboratory recommends the use of alternative 4. This alternative minimizes risk of failing to meet expected cleanup ALARA goals and provides for maximum efficiency/productivity within the laboratory. The second favorable alternative is number 5. This alternative would increase the workload in the laboratory, but would further reduce the risk of over excavation and failure to meet desired cleanup objectives.

In all of the above alternatives, the estimated final Ra-226 concentration will be used in conjunction with the measured Ra-228 concentration as follows to determine if the mixture rule for the ALARA goals as described in the Record of Decision is achieved.

$$\frac{\text{Est. Final Ra-226 (pCi/g)}}{5\ \text{pCi/g}} + \frac{\text{Ra-228 (pCi/g)}}{5\ \text{pCi/g}} = \text{Mixture Ratio}$$

If mixture ratio <= 1, then the sample meets cleanup confirmation design. If mixture ratio > 1, then the sample must be considered by the ALARA committee.

MLF/RM/pr

Attachment

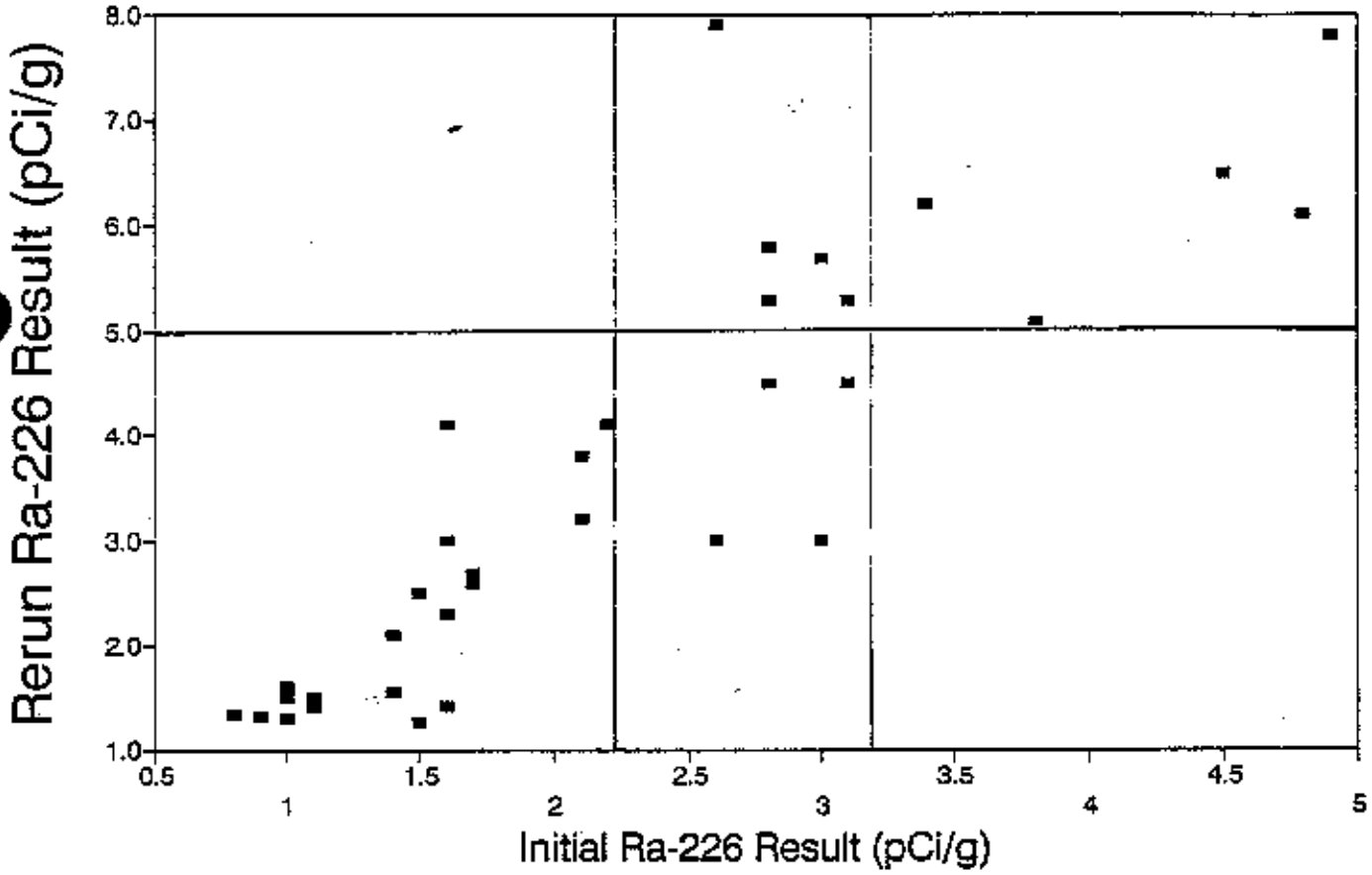
Distribution:

Ken Meyer	Alternates:	Marj Wesley
Steve Warren		Jack Cooney
Ken Greenwell		Dan Hoffman
Jim Meier		

cc: Melissa Lutz

Ra226 Concentration Range

Background - 5.0 pCi/g



MORRISON KNUDSEN CORPORATION

MK-FERGUSON GROUP

INTER-OFFICE CORRESPONDENCE

DATE: April 30, 1996

TO: File

FROM: Craig Kish, TDY-Denver CK

SUBJECT: USE OF SUBSURFACE CRITERIA LIMITS FOR BACKFILLED CONFIRMATION UNITS

Jim Meier and Craig Kish posed to Steve Warren the issue of whether subsurface criteria, which are less restrictive than surface criteria limits, can be used to determine,if a confirmation unit that will be backfilled has met the criteria limits for final disposition. While Section 3.2.3.1, page 15, of the *Chemical Plant Area Cleanup Attainment Confirmation Plan*, Rev. 3, December 1995, states that "[subsurface contaminant ALARA goals will be sued in areas designated to receive at least 15 cm (6 in.) of clean backfill for final grading purposes[.], Steve Warren confirmed that the intent is to apply both subsurface ALARA goals and subsurface cleanup criteria limits when dispositioning a confirmation unit (emphasis added.)

Therefore, the subsurface cleanup criteria will be used in all backfilled confirmation units to determine if hot spots are present. The subsurface criteria will hence be used to determine when to further excavate the hot spots that are less than three times the criteria and less than 25 square meters using the relationship; excavation is required if the maximum concentration exceeds the cleanup criteria multiplied by the value of the square root of 100 divided by the area of the hot spot (the areal extent over the cleanup criteria). This also changes the value used to determine those areas more than three times the cleanup criteria that are automatically further excavated.

If a confirmation unit will only be partially backfilled, then the confirmation unit should be divided so that the confirmation unit can be dispositioned using the appropriate ALARA goal and cleanup criteria value for each section.

CK/jn

cc: File
Melissa Lutz
Jim Meier
Mike Quinonez
Steve Warren

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Form 232-A 03/92

APPENDIX F
ORISE Hot Spot Report Table

APPENDIX F
TABLE F-1B
ORISE Hotspot Report WP-420 (RU9) After Confirmation

CU #	DATE	HOTSPOT PARAMETER	WSSRAP - ID	LOCATION DESCRIPTION	APPROXIMATE SIZE M^2	ORISE 1x1 READINGS	44-9 READINGS	SAMPLE RESULTS (pCi/g)	REMEDIATED (Y or N)	RESULTS AFTER REMEDIATION
102	11/20/96	N/A, No samples taken	10204-S	20' NW of sample ID	10' x 10'	10K (1x1)	7-10K	Remediated on the spot, rewalked over <Background		

APPENDIX G
QA/QC Comparison to Analytical Data

APPENDIX G TABLE G-1

WSSRAP ID	PARAMETER	CONC	ERR	DL	UNITS	RPD	DER	VAL QUAL	METHOD	MATRIX	CATEGORY	DIL	LAB ID	LAB QUAL	LAB REQU	DATE ANA	SAMPLINK	DATE SAM
SC-10615-S	2,4,6-TRINITROTOLUENE	14.00		0.72	UG/G	N/A	N/A	*	USATHAMA	SOIL	NITROAROMATICS	100	13547008		QT2082.0	2/6/97	0000025856	2/3/97
SC-10615-S-FR	2,4,6-TRINITROTOLUENE	19.00		0.73	UG/G	30.3%	N/A	*	USATHAMA	SOIL	NITROAROMATICS	100	13547009		QT2082.0	2/6/97	0000033046	2/3/97
SC-10615-S-MD	2,4,6-TRINITROTOLUENE	13.00		0.72	UG/G	8.0%	N/A	*	USATHAMA	SOIL	NITROAROMATICS	100	13547008MD		QT2082.0	2/6/97	0000033445	
SC-10615-S-MS	2,4,6-TRINITROTOLUENE	12.00		0.72	UG/G	N/A	N/A	*	USATHAMA	SOIL	NITROAROMATICS	100	13547008MS		QT2082.0	2/6/97	0000033044	2/3/97
SC-09701-S	AROCLOR-1248	ND		39.00	UG/KG	N/A	N/A	*	EPA 8080A	SOIL	PEST/PCBS	1	12480001	U	QT2015.0	10/16/96	0000026524	10/11/96
SC-09701-S-EB	AROCLOR-1248	ND		0.12	UG/L	N/A	N/A	U	EPA 8080A	SURFACE WATER	PEST/PCBS	1	9610330-03	U	GE2014.0	10/18/96	0000030723	10/11/96
SC-09701-S-FR	AROCLOR-1248	ND		40.00	UG/KG	NOTE 1	N/A	*	EPA 8080A	SOIL	PEST/PCBS	1	12480002	U	QT2015.0	10/16/96	0000030720	10/11/96
SC-09701-S-SD	AROCLOR-1248	ND		49.90	UG/KG	NOTE 1	N/A	U	EPA 8080A	SOIL	PEST/PCBS	10	9610330-04	U	GE2014.0	10/22/96	0000030724	10/11/96
SC-09803-S	AROCLOR-1248	ND		40.00	UG/KG	N/A	N/A	*	EPA 8080A	SOIL	PEST/PCBS	1	12474019	U	QT2014.0	10/13/96	0000025545	10/10/96
SC-09803-S-EB	AROCLOR-1248	ND		0.12	UG/L	N/A	N/A	U	EPA 8080A	SURFACE WATER	PEST/PCBS	1	9610330-06	U	GE2014.0	10/18/96	0000030683	10/10/96
SC-09803-S-FR	AROCLOR-1248	ND		40.00	UG/KG	NOTE 1	N/A	*	EPA 8080A	SOIL	PEST/PCBS	1	12474020	U	QT2014.0	10/13/96	0000030680	10/10/96
SC-09803-S-SD	AROCLOR-1248	ND		48.10	UG/KG	NOTE 1	N/A	U	EPA 8080A	SOIL	PEST/PCBS	10	9610330-06	U	GE2014.0	10/22/96	0000030690	10/10/96
SC-09819-S	AROCLOR-1248	ND		42.00	UG/KG	N/A	N/A	*	EPA 8080A	SOIL	PEST/PCBS	1	12474003	U	QT2014.0	10/13/96	0000025565	10/10/96
SC-09819-S-FR	AROCLOR-1248	ND		45.00	UG/KG	NOTE 1	N/A	*	EPA 8080A	SOIL	PEST/PCBS	1	12474004	U	QT2014.0	10/13/96	0000030685	10/10/96
SC-09819-S-SD	AROCLOR-1248	ND		50.60	UG/KG	NOTE 1	N/A	U	EPA 8080A	SOIL	PEST/PCBS	10	9610330-08	U	GE2014.0	10/22/96	0000030684	10/10/96
SC-09905-S	AROCLOR-1248	ND		44.00	UG/KG	N/A	N/A	*	EPA 8080A	SOIL	PEST/PCBS	1	12425003	U	QT2008.0	10/9/96	0000025667	10/7/96
SC-09905-S-EB	AROCLOR-1248	ND		0.12	UG/L	N/A	N/A	UJ	EPA 8080A	SURFACE WATER	PEST/PCBS	1	9610260-02	U	GE2010.0	10/16/96	0000030563	10/7/96
SC-09905-S-FR	AROCLOR-1248	ND		42.00	UG/KG	NOTE 1	N/A	*	EPA 8080A	SOIL	PEST/PCBS	1	12425004	U	QT2008.0	10/9/96	0000030571	10/7/96
SC-09905-S-SD	AROCLOR-1248	ND		53.80	UG/KG	NOTE 1	N/A	U	EPA 8080A	SOIL	PEST/PCBS	10	9610260-03	U	GE2010.0	10/15/96	0000030584	10/7/96
SC-09906-S	AROCLOR-1248	ND		40.00	UG/KG	N/A	N/A	*	EPA 8080A	SOIL	PEST/PCBS	1	12425005	U	QT2008.0	10/9/96	0000030572	10/7/96
SC-09906-S-EB	AROCLOR-1248	ND		0.12	UG/L	N/A	N/A	UJ	EPA 8080A	SURFACE WATER	PEST/PCBS	1	9610260-04	U	GE2010.0	10/16/96	0000030585	10/7/96
SC-09906-S-FR	AROCLOR-1248	ND		41.00	UG/KG	NOTE 1	N/A	*	EPA 8080A	SOIL	PEST/PCBS	1	12425006	U	QT2008.0	10/9/96	0000030590	10/7/96
SC-09906-S-SD	AROCLOR-1248	ND		51.30	UG/KG	NOTE 1	N/A	U	EPA 8080A	SOIL	PEST/PCBS	10	9610260-05	U	GE2010.0	10/15/96	0000030586	10/7/96
SC-10108-S	AROCLOR-1248	ND		42.00	UG/KG	N/A	N/A	*	EPA 8080A	SOIL	PEST/PCBS	1	12896001	U	QT2050.0	11/25/96	0000025720	11/19/96
SC-10108-S-EB	AROCLOR-1248	ND		1.00	UG/L	N/A	N/A	*	EPA 8081	SURFACE WATER	PEST/PCBS	1	11L397003	U	WS2024.0	11/27/96	0000032047	11/19/96
SC-10108-S-FR	AROCLOR-1248	ND		41.00	UG/KG	NOTE 1	N/A	*	EPA 8080A	SOIL	PEST/PCBS	1	12896002	U	QT2050.0	11/26/96	0000032023	11/19/96
SC-10108-S-SD	AROCLOR-1248	ND		42.00	UG/KG	NOTE 1	N/A	*	EPA 8081	SOIL	PEST/PCBS	1	11L397004	U	WS2024.0	11/27/96	0000032049	11/19/96
SC-10213-S	AROCLOR-1248	ND		42.00	UG/KG	N/A	N/A	*	EPA 8080A	SOIL	PEST/PCBS	1	12789012	U	QT2040.0	11/15/96	0000025746	11/12/96
SC-10213-S-EB	AROCLOR-1248	ND		0.80	UG/L	N/A	N/A	*	EPA 8080A	GROUNDWATER	PEST/PCBS	1	L8310-5		LK1019.0	11/18/96	0000031875	11/12/96
SC-10213-S-FR	AROCLOR-1248	ND		44.00	UG/KG	NOTE 1	N/A	*	EPA 8080A	SOIL	PEST/PCBS	1	12789013	U	QT2040.0	11/16/96	0000031858	11/12/96
SC-10213-S-SD	AROCLOR-1248	ND		17.00	UG/KG	NOTE 1	N/A	*	EPA 8080A	SOIL	PEST/PCBS	1	L8310-6		LK1019.0	11/18/96	0000031876	11/12/96
SC-10403-C	AROCLOR-1248	ND		41.00	UG/KG	N/A	N/A	*	EPA 8080A	SOIL	PEST/PCBS	1	12435001	U	QT2012.0	10/12/96	0000025789	10/8/96
SC-10403-C-EB	AROCLOR-1248	ND		0.12	UG/L	N/A	N/A	*	EPA 8080A	SURFACE WATER	PEST/PCBS	1	9610283-05	U	GE2011.0	10/16/96	0000030643	10/8/96
SC-10403-C-FR	AROCLOR-1248	ND		40.00	UG/KG	NOTE 1	N/A	*	EPA 8080A	SOIL	PEST/PCBS	1	12435002	U	QT2012.0	10/12/96	0000030644	10/8/96
SC-10403-C-SD	AROCLOR-1248	ND		50.70	UG/KG	NOTE 1	N/A	*	EPA 8080A	SOIL	PEST/PCBS	10	9610283-08	U	GE2011.0	10/22/96	0000030647	10/8/96
SC-10421-C	AROCLOR-1248	ND		40.00	UG/KG	N/A	N/A	*	EPA 8080A	SOIL	PEST/PCBS	1	12435022	U	QT2012.0	10/14/96	0000025809	10/8/96
SC-10421-C-EB	AROCLOR-1248	ND		0.12	UG/L	N/A	N/A	*	EPA 8080A	SURFACE WATER	PEST/PCBS	1	9610283-07	U	GE2011.0	10/16/96	0000030637	10/8/96
SC-10421-C-FR	AROCLOR-1248	ND		40.00	UG/KG	NOTE 1	N/A	*	EPA 8080A	SOIL	PEST/PCBS	1	12435023	U	QT2012.0	10/14/96	0000030638	10/8/96
SC-10421-C-SD	AROCLOR-1248	ND		49.00	UG/KG	NOTE 1	N/A	*	EPA 8080A	SOIL	PEST/PCBS	10	9610283-09	U	GE2011.0	10/22/96	0000030641	10/8/96
SC-10724-S	AROCLOR-1248	ND		43.00	UG/KG	N/A	N/A	*	EPA 8080A	SOIL	PEST/PCBS	1	12789016	U	QT2040.0	11/15/96	0000025896	11/12/96
SC-10724-S-EB	AROCLOR-1248	ND		0.81	UG/L	N/A	N/A	*	EPA 8080A	GROUNDWATER	PEST/PCBS	1	L8310-10		LK1019.0	11/18/96	0000031877	11/12/96
SC-10724-S-FR	AROCLOR-1248	ND		42.00	UG/KG	NOTE 1	N/A	*	EPA 8080A	SOIL	PEST/PCBS	1	12789019	U	QT2040.0	11/15/96	0000031870	11/12/96
SC-10724-S-SD	AROCLOR-1248	ND		16.00	UG/KG	NOTE 1	N/A	*	EPA 8080A	SOIL	PEST/PCBS	1	L8310-12		LK1019.0	11/18/96	0000031878	11/12/96
SC-10910-S	AROCLOR-1248	ND		42.00	UG/KG	N/A	N/A	*	EPA 8080A	SOIL	PEST/PCBS	1	13154014	U	QT2080.0	12/19/96	0000025936	12/16/96
SC-10910-S-EB	AROCLOR-1248	ND		1.00	UG/L	N/A	N/A	*	EPA 8081	GROUNDWATER	PEST/PCBS	1	12L746001	U	WS2030.0	12/22/96	0000032620	12/16/96
SC-10910-S-FR	AROCLOR-1248	ND		42.00	UG/KG	NOTE 1	N/A	*	EPA 8080A	SOIL	PEST/PCBS	1	13154015	U	QT2080.0	12/19/96	0000032615	12/16/96
SC-10910-S-SD	AROCLOR-1248	ND		42.00	UG/KG	NOTE 1	N/A	*	EPA 8081	SOIL	PEST/PCBS	1	12L746002	U	WS2030.0	12/28/96	0000032619	12/16/96
SC-11009-S	AROCLOR-1248	ND		37.00	UG/KG	N/A	N/A	*	EPA 8080A	SOIL	PEST/PCBS	1	13152011	U	QT2079.0	12/19/96	0000025966	12/16/96
SC-11009-S-EB	AROCLOR-1248	ND		1.00	UG/L	N/A	N/A	*	EPA 8081	GROUNDWATER	PEST/PCBS	1	12L746003	U	WS2030.0	12/22/96	0000032626	12/16/96
SC-11009-S-FR	AROCLOR-1248	ND		38.00	UG/KG	NOTE 1	N/A	*	EPA 8080A	SOIL	PEST/PCBS	1	13152012	U	QT2079.0	12/19/96	0000032622	12/16/96
SC-11009-S-SD	AROCLOR-1248	ND		40.00	UG/KG	NOTE 1	N/A	*	EPA 8081	SOIL	PEST/PCBS	1	12L746004	U	WS2030.0	12/28/96	0000032627	12/16/96
SC-11015-C	AROCLOR-1248	ND		41.00	UG/KG	N/A	N/A	*	EPA 8080A	SOIL	PEST/PCBS	1	13162018	U	QT2079.0	12/19/96	0000025975	12/16/96

APPENDIX G TABLE G-1

WSSRAP ID	PARAMETER	CONC	ERR	DL	UNITS	RPD	DER	VAL QUAL	METHOD	MATRIX	CATEGORY	DIL	LAB ID	LAB QUAL	LAB REQU	DATE ANA	SAMPLINK	DATE SAM
SC-11015-C-EB	AROCLOR-1248	ND		1.00	UG/L	N/A	N/A	*	EPA 8081	GROUNDWATER	PEST/PCBS	1	12L746005	U	WS2030.0	12/22/96	0000032628	12/16/96
SC-11015-C-FR	AROCLOR-1248	ND		41.00	UG/KG	NOTE 1	N/A	*	EPA 8080A	SOIL	PEST/PCBS	1	13152019	U	QT2079.0	12/19/96	0000032633	12/16/96
SC-11015-C-SD	AROCLOR-1248	ND		42.00	UG/KG	NOTE 1	N/A	*	EPA 8081	SOIL	PEST/PCBS	1	12L746006	U	WS2030.0	12/28/96	0000032629	12/16/96
SC-11104-S	AROCLOR-1248	ND		41.00	UG/KG	N/A	N/A	*	EPA 8080A	SOIL	PEST/PCBS	1	13104006	U	QT2074.0	12/14/96	0000025962	12/11/96
SC-11104-S-EB	AROCLOR-1248	ND		1.00	UG/L	N/A	N/A	*	EPA 8081	GROUNDWATER	PEST/PCBS	1	12L668003	U	WS2029.0	12/20/96	0000032454	12/10/96
SC-11104-S-FR	AROCLOR-1248	ND		40.00	UG/KG	NOTE 1	N/A	*	EPA 8080A	SOIL	PEST/PCBS	1	13104007	U	QT2074.0	12/14/96	0000032448	12/11/96
SC-11104-S-SD	AROCLOR-1248	ND		40.00	UG/KG	NOTE 1	N/A	*	EPA 8081	SOIL	PEST/PCBS	1	12L668004	U	WS2029.0	12/18/96	0000032447	12/11/96
SC-12110-S	AROCLOR-1248	ND		48.00	UG/KG	N/A	N/A	*	EPA 8080A	SOIL	PEST/PCBS	1	970102907A	U	MX0062.0	1/22/97	0000026360	1/20/97
SC-12110-S-EB	AROCLOR-1248	ND		0.12	UG/L	N/A	N/A	*	EPA 8081	SURFACE WATER	PEST/PCBS	1	9701433-01	U	GE2024.0	1/31/97	0000033303	1/20/97
SC-12110-S-FR	AROCLOR-1248	ND		43.00	UG/KG	NOTE 1	N/A	*	EPA 8080A	SOIL	PEST/PCBS	1	970102908A	U	MX0062.0	1/22/97	0000033066	1/20/97
SC-12110-S-SD	AROCLOR-1248	ND		51.40	UG/KG	NOTE 1	N/A	*	EPA 8080A	SOIL	PEST/PCBS	10	9701433-02	U	GE2024.0	2/11/97	0000033304	1/20/97
SC-12115-S	AROCLOR-1248	ND		43.00	UG/KG	N/A	N/A	*	EPA 8080A	SOIL	PEST/PCBS	1	970103001A	U	MX0063.0	1/22/97	0000026366	1/20/97
SC-12115-S-EB	AROCLOR-1248	ND		0.12	UG/L	N/A	N/A	*	EPA 8081	SURFACE WATER	PEST/PCBS	1	9701433-03	U	GE2024.0	1/31/97	0000033305	1/20/97
SC-12115-S-FR	AROCLOR-1248	ND		41.00	UG/KG	NOTE 1	N/A	*	EPA 8080A	SOIL	PEST/PCBS	1	970103002A	U	MX0063.0	1/22/97	0000032657	1/20/97
SC-12115-S-SD	AROCLOR-1248	ND		47.70	UG/KG	NOTE 1	N/A	*	EPA 8080A	SOIL	PEST/PCBS	10	9701433-04	U	GE2024.0	2/11/97	0000033306	1/20/97
SC-12215-S	AROCLOR-1248	ND		45.00	UG/KG	N/A	N/A	*	EPA 8080A	SOIL	PEST/PCBS	1	970103108A	U	MX0064.0	35453	0000026396	1/20/97
SC-12215-S-EB	AROCLOR-1248	ND		0.12	UG/L	N/A	N/A	*	EPA 8081	SURFACE WATER	PEST/PCBS	1	9701433-05	U	GE2024.0	35461	0000033307	1/20/97
SC-12215-S-FR	AROCLOR-1248	ND		46.00	UG/KG	NOTE 1	N/A	*	EPA 8080A	SOIL	PEST/PCBS	1	970103109A	U	MX0064.0	35453	0000033299	1/20/97
SC-12215-S-SD	AROCLOR-1248	ND		51.70	UG/KG	NOTE 1	N/A	*	EPA 8080A	SOIL	PEST/PCBS	10	9701433-06	U	GE2024.0	35472	0000033308	1/20/97
SC-12223-S	AROCLOR-1248	ND		41.00	UG/KG	N/A	N/A	*	EPA 8080A	SOIL	PEST/PCBS	1	970103204A	U	MX0065.0	35453	0000026407	1/20/97
SC-12223-S-EB	AROCLOR-1248	ND		0.12	UG/L	N/A	N/A	*	EPA 8081	SURFACE WATER	PEST/PCBS	1	9701433-07	U	GE2024.0	35461	0000033309	1/20/97
SC-12223-S-FR	AROCLOR-1248	ND		42.00	UG/KG	NOTE 1	N/A	*	EPA 8080A	SOIL	PEST/PCBS	1	970103205A	U	MX0065.0	35453	0000033074	1/20/97
SC-12223-S-SD	AROCLOR-1248	ND		47.50	UG/KG	NOTE 1	N/A	*	EPA 8080A	SOIL	PEST/PCBS	10	9701433-08	U	GE2024.0	35472	0000033310	1/20/97
SC-09701-S	AROCLOR-1254	51.00		39.00	UG/KG	N/A	N/A	*	EPA 8080A	SOIL	PEST/PCBS	1	12480001		QT2015.0	35354	0000025524	10/11/96
SC-09701-S-EB	AROCLOR-1254	ND		0.12	UG/L	N/A	N/A	U	EPA 8080A	SURFACE WATER	PEST/PCBS	1	9610330-03	U	GE2014.0	35356	0000030723	10/11/96
SC-09701-S-FR	AROCLOR-1254	ND		40.00	UG/KG	NOTE 1	N/A	*	EPA 8080A	SOIL	PEST/PCBS	1	12480002	U	QT2015.0	35354	0000030720	10/11/96
SC-09701-S-SD	AROCLOR-1254	ND		49.90	UG/KG	NOTE 1	N/A	U	EPA 8080A	SOIL	PEST/PCBS	10	9610330-04	U	GE2014.0	35360	0000030724	10/11/96
SC-09803-S	AROCLOR-1254	ND		40.00	UG/KG	N/A	N/A	*	EPA 8080A	SOIL	PEST/PCBS	1	12474019	U	QT2014.0	35351	0000025545	10/10/96
SC-09803-S-EB	AROCLOR-1254	ND		0.12	UG/L	N/A	N/A	U	EPA 8080A	SURFACE WATER	PEST/PCBS	1	9610330-05	U	GE2014.0	35356	0000030663	10/10/96
SC-09803-S-FR	AROCLOR-1254	ND		40.00	UG/KG	NOTE 1	N/A	*	EPA 8080A	SOIL	PEST/PCBS	1	12474020	U	QT2014.0	35351	0000030660	10/10/96
SC-09803-S-SD	AROCLOR-1254	ND		48.10	UG/KG	NOTE 1	N/A	U	EPA 8080A	SOIL	PEST/PCBS	10	9610330-06	U	GE2014.0	35360	0000030690	10/10/96
SC-09819-S	AROCLOR-1254	ND		42.00	UG/KG	N/A	N/A	*	EPA 8080A	SOIL	PEST/PCBS	1	12474003	U	QT2014.0	35351	0000025565	10/10/96
SC-09819-S-FR	AROCLOR-1254	ND		45.00	UG/KG	NOTE 1	N/A	*	EPA 8080A	SOIL	PEST/PCBS	1	12474004	U	QT2014.0	35351	0000030665	10/10/96
SC-09819-S-SD	AROCLOR-1254	ND		50.60	UG/KG	NOTE 1	N/A	U	EPA 8080A	SOIL	PEST/PCBS	10	9610330-08	U	GE2014.0	35360	0000030684	10/10/96
SC-09906-S	AROCLOR-1254	ND		44.00	UG/KG	N/A	N/A	*	EPA 8080A	SOIL	PEST/PCBS	1	12425003	U	QT2008.0	35347	0000025667	10/7/96
SC-09905-S-EB	AROCLOR-1254	ND		0.12	UG/L	N/A	N/A	UJ	EPA 8080A	SURFACE WATER	PEST/PCBS	1	9610260-02	U	GE2010.0	35354	0000030583	10/7/96
SC-09905-S-FR	AROCLOR-1254	ND		42.00	UG/KG	NOTE 1	N/A	*	EPA 8080A	SOIL	PEST/PCBS	1	12425004	U	QT2008.0	35347	0000030571	10/7/96
SC-09905-S-SD	AROCLOR-1254	ND		53.80	UG/KG	NOTE 1	N/A	U	EPA 8080A	SOIL	PEST/PCBS	10	9610260-03	U	GE2010.0	35353	0000030584	10/7/96
SC-09906-S	AROCLOR-1254	ND		40.00	UG/KG	N/A	N/A	*	EPA 8080A	SOIL	PEST/PCBS	1	12425005	U	QT2008.0	35347	0000030572	10/7/96
SC-09906-S-EB	AROCLOR-1254	ND		0.12	UG/L	N/A	N/A	UJ	EPA 8080A	SURFACE WATER	PEST/PCBS	1	9610260-04	U	GE2010.0	35354	0000030585	10/7/96
SC-09906-S-FR	AROCLOR-1254	ND		41.00	UG/KG	NOTE 1	N/A	*	EPA 8080A	SOIL	PEST/PCBS	1	12425006	U	QT2008.0	35347	0000030590	10/7/96
SC-09906-S-SD	AROCLOR-1254	ND		51.30	UG/KG	NOTE 1	N/A	U	EPA 8080A	SOIL	PEST/PCBS	10	9610260-05	U	GE2010.0	35353	0000030586	10/7/96
SC-10106-S	AROCLOR-1254	ND		42.00	UG/KG	N/A	N/A	*	EPA 8080A	SOIL	PEST/PCBS	1	12896001	U	QT2050.0	35394	0000025720	11/19/96
SC-10106-S-EB	AROCLOR-1254	ND		1.00	UG/L	N/A	N/A	*	EPA 8081	SURFACE WATER	PEST/PCBS	1	11L397003	U	WS2024.0	35396	0000032047	11/19/96
SC-10106-S-FR	AROCLOR-1254	ND		41.00	UG/KG	NOTE 1	N/A	*	EPA 8080A	SOIL	PEST/PCBS	1	12896002	U	QT2050.0	35394	0000032023	11/19/96
SC-10106-S-SD	AROCLOR-1254	ND		42.00	UG/KG	NOTE 1	N/A	*	EPA 8081	SOIL	PEST/PCBS	1	11L397004	U	WS2024.0	35396	0000032049	11/19/96
SC-10213-S	AROCLOR-1254	ND		42.00	UG/KG	N/A	N/A	*	EPA 8080A	SOIL	PEST/PCBS	1	12789012	U	QT2040.0	35384	0000025746	11/12/96
SC-10213-S-EB	AROCLOR-1254	ND		0.80	UG/L	N/A	N/A	*	EPA 8080A	GROUNDWATER	PEST/PCBS	1	L8310-5		LK1019.0	35387	0000031875	11/12/96
SC-10213-S-FR	AROCLOR-1254	ND		44.00	UG/KG	NOTE 1	N/A	*	EPA 8080A	SOIL	PEST/PCBS	1	12789013	U	QT2040.0	35384	0000031858	11/12/96
SC-10213-S-SD	AROCLOR-1254	ND		17.00	UG/KG	NOTE 1	N/A	*	EPA 8080A	SOIL	PEST/PCBS	1	L8310-6		LK1019.0	35387	0000031876	11/12/96
SC-10403-C	AROCLOR-1254	ND		41.00	UG/KG	N/A	N/A	*	EPA 8080A	SOIL	PEST/PCBS	1	12436001	U	QT2012.0	35350	0000025789	10/8/96
SC-10403-C-EB	AROCLOR-1254	ND		0.12	UG/L	N/A	N/A	*	EPA 8080A	SURFACE WATER	PEST/PCBS	1	9610283-05	U	GE2011.0	35354	0000030643	10/8/96

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WSSRAP ID	PARAMETER	CONC	ERR	DL	UNITS	RPD	DER	VAL QUAL	METHOD	MATRIX	CATEGORY	DIL	LAB ID	LAB QUAL	LAB REQU	DATE ANA	SAMPLINK	DATE SAM
SC-10403-C-FR	AROCLOR-1254	ND		40.00	UG/KG	NOTE 1	N/A	*	EPA 8080A	SOIL	PEST/PCBS	1	12435002	U	QT2012.0	35350	0000030644	10/8/96
SC-10403-C-SD	AROCLOR-1254	ND		50.70	UG/KG	NOTE 1	N/A	*	EPA 8080A	SOIL	PEST/PCBS	10	9610283-08	U	GE2011.0	10/22/96	0000030647	10/8/96
SC-10421-C	AROCLOR-1254	ND		40.00	UG/KG	N/A	N/A	*	EPA 8080A	SOIL	PEST/PCBS	1	12435022	U	QT2012.0	10/14/96	0000025809	10/8/96
SC-10421-C-EB	AROCLOR-1254	ND		0.12	UG/L	N/A	N/A	*	EPA 8080A	SURFACE WATER	PEST/PCBS	1	9610283-07	U	GE2011.0	10/16/96	0000030637	10/8/96
SC-10421-C-FR	AROCLOR-1254	ND		40.00	UG/KG	NOTE 1	N/A	*	EPA 8080A	SOIL	PEST/PCBS	1	12435023	U	QT2012.0	10/14/96	0000030638	10/8/96
SC-10421-C-SD	AROCLOR-1254	ND		49.00	UG/KG	NOTE 1	N/A	*	EPA 8080A	SOIL	PEST/PCBS	10	9610283-08	U	GE2011.0	10/22/96	0000030641	10/8/96
SC-10724-S	AROCLOR-1254	ND		43.00	UG/KG	N/A	N/A	*	EPA 8080A	SOIL	PEST/PCBS	1	12789018	U	QT2040.0	11/15/96	0000025896	11/12/96
SC-10724-S-EB	AROCLOR-1254	ND		0.81	UG/L	N/A	N/A	*	EPA 8080A	GROUNDWATER	PEST/PCBS	1	L8310-10		LK1019.0	11/18/96	0000031877	11/12/96
SC-10724-S-FR	AROCLOR-1254	ND		42.00	UG/KG	NOTE 1	N/A	*	EPA 8080A	SOIL	PEST/PCBS	1	12789019	U	QT2040.0	11/15/96	0000031870	11/12/96
SC-10724-S-SD	AROCLOR-1254	ND		16.00	UG/KG	NOTE 1	N/A	*	EPA 8080A	SOIL	PEST/PCBS	1	L8310-12		LK1019.0	11/18/96	0000031878	11/12/96
SC-10910-S	AROCLOR-1254	ND		42.00	UG/KG	N/A	N/A	*	EPA 8080A	SOIL	PEST/PCBS	1	13154014	U	QT2080.0	12/19/96	0000025936	12/16/96
SC-10910-S-EB	AROCLOR-1254	ND		1.00	UG/L	N/A	N/A	*	EPA 8081	GROUNDWATER	PEST/PCBS	1	12L746001	U	WS2030.0	12/22/96	0000032620	12/16/96
SC-10910-S-FR	AROCLOR-1254	ND		42.00	UG/KG	NOTE 1	N/A	*	EPA 8080A	SOIL	PEST/PCBS	1	13154015	U	QT2080.0	12/19/96	0000032615	12/16/96
SC-10910-S-SD	AROCLOR-1254	ND		42.00	UG/KG	NOTE 1	N/A	*	EPA 8081	SOIL	PEST/PCBS	1	12L746002	U	WS2030.0	12/28/96	0000032619	12/16/96
SC-11009-S	AROCLOR-1254	ND		37.00	UG/KG	N/A	N/A	*	EPA 8080A	SOIL	PEST/PCBS	1	13152011	U	QT2079.0	12/19/96	0000025966	12/16/96
SC-11009-S-EB	AROCLOR-1254	ND		1.00	UG/L	N/A	N/A	*	EPA 8081	GROUNDWATER	PEST/PCBS	1	12L746003	U	WS2030.0	12/22/96	0000032626	12/16/96
SC-11009-S-FR	AROCLOR-1254	ND		38.00	UG/KG	NOTE 1	N/A	*	EPA 8080A	SOIL	PEST/PCBS	1	13152012	U	QT2079.0	12/19/96	0000032622	12/16/96
SC-11009-S-SD	AROCLOR-1254	ND		40.00	UG/KG	NOTE 1	N/A	*	EPA 8081	SOIL	PEST/PCBS	1	12L746004	U	WS2030.0	12/28/96	0000032627	12/16/96
SC-11015-C	AROCLOR-1254	ND		41.00	UG/KG	N/A	N/A	*	EPA 8080A	SOIL	PEST/PCBS	1	13152018	U	QT2079.0	12/19/96	0000025975	12/16/96
SC-11015-C-EB	AROCLOR-1254	ND		1.00	UG/L	N/A	N/A	*	EPA 8081	GROUNDWATER	PEST/PCBS	1	12L746005	U	WS2030.0	12/22/96	0000032628	12/16/96
SC-11015-C-FR	AROCLOR-1254	ND		41.00	UG/KG	NOTE 1	N/A	*	EPA 8080A	SOIL	PEST/PCBS	1	13152019	U	QT2079.0	12/19/96	0000032633	12/16/96
SC-11015-C-SD	AROCLOR-1254	ND		42.00	UG/KG	NOTE 1	N/A	*	EPA 8081	SOIL	PEST/PCBS	1	12L746006	U	WS2030.0	12/28/96	0000032629	12/16/96
SC-11104-S	AROCLOR-1254	ND		41.00	UG/KG	N/A	N/A	*	EPA 8080A	SOIL	PEST/PCBS	1	13104006	U	QT2074.0	12/14/96	0000025982	12/11/96
SC-11104-S-EB	AROCLOR-1254	ND		1.00	UG/L	N/A	N/A	*	EPA 8081	GROUNDWATER	PEST/PCBS	1	12L668003	U	WS2029.0	12/20/96	0000032464	12/10/96
SC-11104-S-FR	AROCLOR-1254	ND		40.00	UG/KG	NOTE 1	N/A	*	EPA 8080A	SOIL	PEST/PCBS	1	13104007	U	QT2074.0	12/14/96	0000032448	12/11/96
SC-11104-S-SD	AROCLOR-1254	ND		40.00	UG/KG	NOTE 1	N/A	*	EPA 8081	SOIL	PEST/PCBS	1	12L668004	U	WS2029.0	12/16/96	0000032447	12/11/96
SC-12110-S	AROCLOR-1254	ND		46.00	UG/KG	N/A	N/A	*	EPA 8080A	SOIL	PEST/PCBS	1	970102907A	U	MX0062.0	1/22/97	0000026360	1/20/97
SC-12110-S-EB	AROCLOR-1254	ND		0.12	UG/L	N/A	N/A	*	EPA 8081	SURFACE WATER	PEST/PCBS	1	9701433-01	U	GE2024.0	1/31/97	0000033303	1/20/97
SC-12110-S-FR	AROCLOR-1254	ND		43.00	UG/KG	NOTE 1	N/A	*	EPA 8080A	SOIL	PEST/PCBS	1	970102908A	U	MX0062.0	1/22/97	0000033068	1/20/97
SC-12110-S-SD	AROCLOR-1254	ND		51.40	UG/KG	NOTE 1	N/A	*	EPA 8080A	SOIL	PEST/PCBS	10	9701433-02	U	GE2024.0	2/11/97	0000033304	1/20/97
SC-12115-S	AROCLOR-1254	ND		43.00	UG/KG	N/A	N/A	*	EPA 8080A	SOIL	PEST/PCBS	1	970103001A	U	MX0063.0	1/22/97	0000026386	1/20/97
SC-12115-S-EB	AROCLOR-1254	ND		0.12	UG/L	N/A	N/A	*	EPA 8081	SURFACE WATER	PEST/PCBS	1	9701433-03	U	GE2024.0	1/31/97	0000033305	1/20/97
SC-12115-S-FR	AROCLOR-1254	ND		41.00	UG/KG	NOTE 1	N/A	*	EPA 8080A	SOIL	PEST/PCBS	1	970103002A	U	MX0063.0	1/22/97	0000032657	1/20/97
SC-12115-S-SD	AROCLOR-1254	ND		47.70	UG/KG	NOTE 1	N/A	*	EPA 8080A	SOIL	PEST/PCBS	10	9701433-04	U	GE2024.0	2/11/97	0000033306	1/20/97
SC-12215-S	AROCLOR-1254	ND		45.00	UG/KG	N/A	N/A	*	EPA 8080A	SOIL	PEST/PCBS	1	970103108A	U	MX0064.0	1/23/97	0000026396	1/20/97
SC-12215-S-EB	AROCLOR-1254	ND		0.12	UG/L	N/A	N/A	*	EPA 8081	SURFACE WATER	PEST/PCBS	1	9701433-05	U	GE2024.0	1/31/97	0000033307	1/20/97
SC-12215-S-FR	AROCLOR-1254	ND		48.00	UG/KG	NOTE 1	N/A	*	EPA 8080A	SOIL	PEST/PCBS	1	970103109A	U	MX0064.0	1/23/97	0000033299	1/20/97
SC-12215-S-SD	AROCLOR-1254	ND		51.70	UG/KG	NOTE 1	N/A	*	EPA 8080A	SOIL	PEST/PCBS	10	9701433-06	U	GE2024.0	2/11/97	0000033308	1/20/97
SC-12223-S	AROCLOR-1254	ND		41.00	UG/KG	N/A	N/A	*	EPA 8080A	SOIL	PEST/PCBS	1	970103204A	U	MX0065.0	1/23/97	0000026407	1/20/97
SC-12223-S-EB	AROCLOR-1254	ND		0.12	UG/L	N/A	N/A	*	EPA 8081	SURFACE WATER	PEST/PCBS	1	9701433-07	U	GE2024.0	1/31/97	0000033309	1/20/97
SC-12223-S-FR	AROCLOR-1254	ND		42.00	UG/KG	NOTE 1	N/A	*	EPA 8080A	SOIL	PEST/PCBS	1	970103205A	U	MX0065.0	1/23/97	0000033074	1/20/97
SC-12223-S-SD	AROCLOR-1254	ND		47.50	UG/KG	NOTE 1	N/A	*	EPA 8080A	SOIL	PEST/PCBS	10	9701433-08	U	GE2024.0	2/11/97	0000033310	1/20/97
SC-09701-S	AROCLOR-1260	ND		39.00	UG/KG	N/A	N/A	*	EPA 8080A	SOIL	PEST/PCBS	1	12480001	U	QT2015.0	10/16/96	0000025524	10/11/96
SC-09701-S-EB	AROCLOR-1260	ND		0.12	UG/L	N/A	N/A	U	EPA 8080A	SURFACE WATER	PEST/PCBS	1	9610930-03	U	GE2014.0	10/18/96	0000030723	10/11/96
SC-09701-S-FR	AROCLOR-1260	ND		40.00	UG/KG	NOTE 1	N/A	*	EPA 8080A	SOIL	PEST/PCBS	1	12480002	U	QT2015.0	10/16/96	0000030720	10/11/96
SC-09701-S-MD	AROCLOR-1260	240.00		39.00	UG/KG	0.0%	N/A	*	EPA 8080A	SOIL	PEST/PCBS	1	12480001MD		QT2015.0	10/16/96	0000030722	
SC-09701-S-MS	AROCLOR-1260	240.00		39.00	UG/KG	N/A	N/A	*	EPA 8080A	SOIL	PEST/PCBS	1	12480001MS		QT2015.0	10/16/96	0000030721	10/11/96
SC-09701-S-SD	AROCLOR-1260	ND		49.90	UG/KG	NOTE 1	N/A	U	EPA 8080A	SOIL	PEST/PCBS	10	9610330-04	U	GE2014.0	10/22/96	0000030724	10/11/96
SC-09803-S	AROCLOR-1260	ND		40.00	UG/KG	N/A	N/A	*	EPA 8080A	SOIL	PEST/PCBS	1	12474019	U	QT2014.0	10/13/96	0000025545	10/10/96
SC-09803-S-EB	AROCLOR-1260	ND		0.12	UG/L	N/A	N/A	U	EPA 8080A	SURFACE WATER	PEST/PCBS	1	9610930-05	U	GE2014.0	10/18/96	0000030683	10/10/96
SC-09803-S-FR	AROCLOR-1260	ND		40.00	UG/KG	NOTE 1	N/A	*	EPA 8080A	SOIL	PEST/PCBS	1	12474020	U	QT2014.0	10/13/96	0000030680	10/10/96
SC-09803-S-MD	AROCLOR-1260	230.00		40.00	UG/KG	NOTE 1	N/A	*	EPA 8080A	SOIL	PEST/PCBS	1	12474019MD		QT2014.0	10/13/96	0000030679	

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WSSRAP ID	PARAMETER	CONC	ERR	DL	UNITS	RPD	DER	VAL QUAL	METHOD	MATRIX	CATEGORY	DIL	LAB ID	LAB QUAL	LAB REQU	DATE ANA	SAMPLINK	DATE SAM
SC-09603-S-MS	AROCLOR-1260	180.00		40.00	UG/KG	N/A	N/A	*	EPA 8080A	SOIL	PEST/PCBS	1	12474019MS		QT2014.0	10/13/96	0000030677	10/10/96
SC-09603-S-SD	AROCLOR-1260	ND		46.10	UG/KG	NOTE 1	N/A	U	EPA 8080A	SOIL	PEST/PCBS	10	9610330-06	U	GE2014.0	10/22/96	0000030690	10/10/96
SC-09819-S	AROCLOR-1260	ND		42.00	UG/KG	N/A	N/A	*	EPA 8080A	SOIL	PEST/PCBS	1	12474003	U	QT2014.0	10/13/96	0000025585	10/10/96
SC-09819-S-FR	AROCLOR-1260	ND		45.00	UG/KG	NOTE 1	N/A	*	EPA 8080A	SOIL	PEST/PCBS	1	12474004	U	QT2014.0	10/13/96	0000030685	10/10/96
SC-09819-S-MD	AROCLOR-1260	210.00		42.00	UG/KG	NOTE 1	N/A	*	EPA 8080A	SOIL	PEST/PCBS	1	12474003MD		QT2014.0	10/13/96	0000030687	
SC-09819-S-MS	AROCLOR-1260	180.00		42.00	UG/KG	N/A	N/A	*	EPA 8080A	SOIL	PEST/PCBS	1	12474003MS		QT2014.0	10/13/96	0000030686	10/10/96
SC-09819-S-SD	AROCLOR-1260	ND		50.60	UG/KG	NOTE 1	N/A	U	EPA 8080A	SOIL	PEST/PCBS	10	9610330-08	U	GE2014.0	10/22/96	0000030684	10/10/96
SC-09905-S	AROCLOR-1260	ND		44.00	UG/KG	N/A	N/A	*	EPA 8080A	SOIL	PEST/PCBS	1	12425003	U	QT2008.0	10/9/96	0000025667	10/7/96
SC-09905-S-EB	AROCLOR-1260	ND		0.12	UG/L	N/A	N/A	UJ	EPA 8080A	SURFACE WATER	PEST/PCBS	1	9610260-02	U	GE2010.0	10/16/96	0000030583	10/7/96
SC-09905-S-FR	AROCLOR-1260	ND		42.00	UG/KG	NOTE 1	N/A	*	EPA 8080A	SOIL	PEST/PCBS	1	12425004	U	QT2008.0	10/9/96	0000030571	10/7/96
SC-09905-S-MD	AROCLOR-1260	210.00		44.00	UG/KG	NOTE 1	N/A	*	EPA 8080A	SOIL	PEST/PCBS	1	12425003MD		QT2008.0	10/9/96	0000030570	
SC-09905-S-MS	AROCLOR-1260	210.00		44.00	UG/KG	N/A	N/A	*	EPA 8080A	SOIL	PEST/PCBS	1	12425003MS		QT2008.0	10/9/96	0000030568	10/7/96
SC-09905-S-SD	AROCLOR-1260	ND		53.60	UG/KG	NOTE 1	N/A	U	EPA 8080A	SOIL	PEST/PCBS	10	9610260-03	U	GE2010.0	10/15/96	0000030584	10/7/96
SC-09906-S	AROCLOR-1260	ND		40.00	UG/KG	N/A	N/A	*	EPA 8080A	SOIL	PEST/PCBS	1	12425005	U	QT2008.0	10/9/96	0000030572	10/7/96
SC-09906-S-EB	AROCLOR-1260	ND		0.12	UG/L	N/A	N/A	UJ	EPA 8080A	SURFACE WATER	PEST/PCBS	1	9610260-04	U	GE2010.0	10/16/96	0000030585	10/7/96
SC-09906-S-FR	AROCLOR-1260	ND		41.00	UG/KG	NOTE 1	N/A	*	EPA 8080A	SOIL	PEST/PCBS	1	12425006	U	QT2008.0	10/9/96	0000030590	10/7/96
SC-09906-S-MD	AROCLOR-1260	200.00		40.00	UG/KG	NOTE 1	N/A	*	EPA 8080A	SOIL	PEST/PCBS	1	12425005MD		QT2008.0	10/9/96	0000030589	
SC-09906-S-MS	AROCLOR-1260	180.00		40.00	UG/KG	N/A	N/A	*	EPA 8080A	SOIL	PEST/PCBS	1	12425005MS		QT2008.0	10/9/96	0000030587	10/7/96
SC-09906-S-SD	AROCLOR-1260	ND		51.30	UG/KG	NOTE 1	N/A	U	EPA 8080A	SOIL	PEST/PCBS	10	9610260-05	U	GE2010.0	10/15/96	0000030586	10/7/96
SC-10108-S	AROCLOR-1260	ND		42.00	UG/KG	N/A	N/A	*	EPA 8080A	SOIL	PEST/PCBS	1	12896001	U	QT2050.0	11/25/96	0000025720	11/19/96
SC-10108-S-EB	AROCLOR-1260	ND		1.00	UG/L	N/A	N/A	*	EPA 8081	SURFACE WATER	PEST/PCBS	1	11L397003	U	WS2024.0	11/27/96	0000032047	11/19/96
SC-10108-S-FR	AROCLOR-1260	ND		41.00	UG/KG	NOTE 1	N/A	*	EPA 8080A	SOIL	PEST/PCBS	1	12896002	U	QT2050.0	11/25/96	0000032023	11/19/96
SC-10108-S-MD	AROCLOR-1260	170.00		42.00	UG/KG	NOTE 1	N/A	*	EPA 8080A	SOIL	PEST/PCBS	1	12896001MD		QT2050.0	11/25/96	0000032022	
SC-10108-S-MS	AROCLOR-1260	160.00		42.00	UG/KG	N/A	N/A	*	EPA 8080A	SOIL	PEST/PCBS	1	12896001MS		QT2050.0	11/25/96	0000032020	11/19/96
SC-10108-S-SD	AROCLOR-1260	ND		42.00	UG/KG	NOTE 1	N/A	*	EPA 8081	SOIL	PEST/PCBS	1	11L397004	U	WS2024.0	11/27/96	0000032049	11/19/96
SC-10213-S	AROCLOR-1260	ND		42.00	UG/KG	N/A	N/A	*	EPA 8080A	SOIL	PEST/PCBS	1	12789012	U	QT2040.0	11/15/96	0000026746	11/12/96
SC-10213-S-EB	AROCLOR-1260	ND		0.80	UG/L	N/A	N/A	*	EPA 8080A	GROUNDWATER	PEST/PCBS	1	L8310-5		LK1019.0	11/18/96	0000031875	11/12/96
SC-10213-S-FR	AROCLOR-1260	ND		44.00	UG/KG	NOTE 1	N/A	*	EPA 8080A	SOIL	PEST/PCBS	1	12789013	U	QT2040.0	11/15/96	0000031858	11/12/96
SC-10213-S-MD	AROCLOR-1260	190.00		42.00	UG/KG	NOTE 1	N/A	*	EPA 8080A	SOIL	PEST/PCBS	1	12789012MD		QT2040.0	11/15/96	0000031861	
SC-10213-S-MS	AROCLOR-1260	210.00		42.00	UG/KG	N/A	N/A	*	EPA 8080A	SOIL	PEST/PCBS	1	12789012MS		QT2040.0	11/15/96	0000031860	11/12/96
SC-10213-S-SD	AROCLOR-1260	ND		17.00	UG/KG	NOTE 1	N/A	*	EPA 8080A	SOIL	PEST/PCBS	1	L8310-6		LK1019.0	11/18/96	0000031876	11/12/96
SC-10403-C	AROCLOR-1260	ND		41.00	UG/KG	N/A	N/A	*	EPA 8080A	SOIL	PEST/PCBS	1	12435001	U	QT2012.0	10/12/96	0000025789	10/8/96
SC-10403-C-EB	AROCLOR-1260	ND		0.12	UG/L	N/A	N/A	*	EPA 8080A	SURFACE WATER	PEST/PCBS	1	9610283-05	U	GE2011.0	10/16/96	0000030643	10/8/96
SC-10403-C-FR	AROCLOR-1260	ND		40.00	UG/KG	NOTE 1	N/A	*	EPA 8080A	SOIL	PEST/PCBS	1	12435002	U	QT2012.0	10/12/96	0000030644	10/8/96
SC-10403-C-MD	AROCLOR-1260	190.00		40.00	UG/KG	NOTE 1	N/A	*	EPA 8080A	SOIL	PEST/PCBS	1	12435001MD		QT2012.0	10/12/96	0000030645	
SC-10403-C-MS	AROCLOR-1260	190.00		41.00	UG/KG	N/A	N/A	*	EPA 8080A	SOIL	PEST/PCBS	1	12435001MS		QT2012.0	10/12/96	0000030646	10/8/96
SC-10403-C-SD	AROCLOR-1260	ND		50.70	UG/KG	NOTE 1	N/A	*	EPA 8080A	SOIL	PEST/PCBS	10	9610283-06	U	GE2011.0	10/22/96	0000030647	10/8/96
SC-10421-C	AROCLOR-1260	ND		40.00	UG/KG	N/A	N/A	*	EPA 8080A	SOIL	PEST/PCBS	1	12435022	U	QT2012.0	10/14/96	0000025809	10/8/96
SC-10421-C-EB	AROCLOR-1260	ND		0.12	UG/L	N/A	N/A	*	EPA 8080A	SURFACE WATER	PEST/PCBS	1	9610283-07	U	GE2011.0	10/16/96	0000030637	10/8/96
SC-10421-C-FR	AROCLOR-1260	ND		40.00	UG/KG	NOTE 1	N/A	*	EPA 8080A	SOIL	PEST/PCBS	1	12435023	U	QT2012.0	10/14/96	0000030638	10/8/96
SC-10421-C-MD	AROCLOR-1260	180.00		40.00	UG/KG	NOTE 1	N/A	*	EPA 8080A	SOIL	PEST/PCBS	1	12435022MD		QT2012.0	10/14/96	0000030639	
SC-10421-C-MS	AROCLOR-1260	180.00		40.00	UG/KG	N/A	N/A	*	EPA 8080A	SOIL	PEST/PCBS	1	12435022MS		QT2012.0	10/14/96	0000030640	10/8/96
SC-10421-C-SD	AROCLOR-1260	ND		49.00	UG/KG	NOTE 1	N/A	*	EPA 8080A	SOIL	PEST/PCBS	10	9610283-08	U	GE2011.0	10/22/96	0000030641	10/8/96
SC-10724-S	AROCLOR-1260	ND		43.00	UG/KG	N/A	N/A	*	EPA 8080A	SOIL	PEST/PCBS	1	12789018	U	QT2040.0	11/15/96	0000025896	11/12/96
SC-10724-S-EB	AROCLOR-1260	ND		0.81	UG/L	N/A	N/A	*	EPA 8080A	GROUNDWATER	PEST/PCBS	1	L8310-10		LK1019.0	11/18/96	0000031877	11/12/96
SC-10724-S-FR	AROCLOR-1260	ND		42.00	UG/KG	NOTE 1	N/A	*	EPA 8080A	SOIL	PEST/PCBS	1	12789019	U	QT2040.0	11/15/96	0000031870	11/12/96
SC-10724-S-MD	AROCLOR-1260	210.00		43.00	UG/KG	NOTE 1	N/A	*	EPA 8080A	SOIL	PEST/PCBS	1	12789018MD		QT2040.0	11/15/96	0000031871	
SC-10724-S-MS	AROCLOR-1260	200.00		43.00	UG/KG	N/A	N/A	*	EPA 8080A	SOIL	PEST/PCBS	1	12789018MS		QT2040.0	11/15/96	0000031869	11/12/96
SC-10724-S-SD	AROCLOR-1260	280.00		16.00	UG/KG	NOTE 1	N/A	*	EPA 8080A	SOIL	PEST/PCBS	1	L8310-12		LK1019.0	11/18/96	0000031878	11/12/96
SC-10910-S	AROCLOR-1260	ND		42.00	UG/KG	N/A	N/A	*	EPA 8080A	SOIL	PEST/PCBS	1	13154014	U	QT2080.0	12/19/96	0000025936	12/16/96
SC-10910-S-EB	AROCLOR-1260	ND		1.00	UG/L	N/A	N/A	*	EPA 8081	GROUNDWATER	PEST/PCBS	1	12L746001	U	WS2030.0	12/22/96	0000032620	12/16/96
SC-10910-S-FR	AROCLOR-1260	ND		42.00	UG/KG	NOTE 1	N/A	*	EPA 8080A	SOIL	PEST/PCBS	1	13154015	U	QT2080.0	12/19/96	0000032615	12/16/96

APPENDIX G TABLE G-1

WSSRAP ID	PARAMETER	CONC	ERR	DL	UNITS	RPD	DER	VAL QUAL	METHOD	MATRIX	CATEGORY	DIL	LAB ID	LAB QUAL	LAB REQU	DATE ANA	SAMPLINK	DATE SAM
SC-10910-S-MD	AROCLOR-1260	180.00		42.00	UG/KG	NOTE 1	N/A	*	EPA 8080A	SOIL	PEST/PCBS	1	13154014MD		QT2080.0	12/19/96	0000032618	
SC-10910-S-MS	AROCLOR-1260	190.00		42.00	UG/KG	N/A	N/A	*	EPA 8080A	SOIL	PEST/PCBS	1	13154014MS		QT2080.0	12/19/96	0000032616	12/16/96
SC-10910-S-SD	AROCLOR-1260	ND		42.00	UG/KG	NOTE 1	N/A	*	EPA 8081	SOIL	PEST/PCBS	1	12L746002	U	WS2030.0	12/28/96	0000032619	12/16/96
SC-11009-S	AROCLOR-1260	ND		37.00	UG/KG	N/A	N/A	*	EPA 8080A	SOIL	PEST/PCBS	1	13152011	U	QT2079.0	12/19/96	0000025966	12/16/96
SC-11009-S-EB	AROCLOR-1260	ND		1.00	UG/L	N/A	N/A	*	EPA 8081	GROUNDWATER	PEST/PCBS	1	12L746003	U	WS2030.0	12/22/96	0000032626	12/16/96
SC-11009-S-FR	AROCLOR-1260	ND		36.00	UG/KG	NOTE 1	N/A	*	EPA 8080A	SOIL	PEST/PCBS	1	13152012	U	QT2079.0	12/19/96	0000032622	12/16/96
SC-11009-S-MD	AROCLOR-1260	180.00		37.00	UG/KG	NOTE 1	N/A	*	EPA 8080A	SOIL	PEST/PCBS	1	13152011MD		QT2079.0	12/19/96	0000032624	
SC-11009-S-MS	AROCLOR-1260	170.00		38.00	UG/KG	N/A	N/A	*	EPA 8080A	SOIL	PEST/PCBS	1	13152011MS		QT2079.0	12/19/96	0000032625	12/16/96
SC-11009-S-SD	AROCLOR-1260	ND		40.00	UG/KG	NOTE 1	N/A	*	EPA 8081	SOIL	PEST/PCBS	1	12L746004	U	WS2030.0	12/28/96	0000032627	12/16/96
SC-11015-C	AROCLOR-1260	ND		41.00	UG/KG	N/A	N/A	*	EPA 8080A	SOIL	PEST/PCBS	1	13152018	U	QT2079.0	12/19/96	0000025975	12/16/96
SC-11015-C-EB	AROCLOR-1260	ND		1.00	UG/L	N/A	N/A	*	EPA 8081	GROUNDWATER	PEST/PCBS	1	12L746005	U	WS2030.0	12/22/96	0000032628	12/16/96
SC-11015-C-FR	AROCLOR-1260	ND		41.00	UG/KG	NOTE 1	N/A	*	EPA 8080A	SOIL	PEST/PCBS	1	13152019	U	QT2079.0	12/19/96	0000032633	12/16/96
SC-11015-C-MD	AROCLOR-1260	200.00		42.00	UG/KG	NOTE 1	N/A	*	EPA 8080A	SOIL	PEST/PCBS	1	13152018MD		QT2079.0	12/19/96	0000032631	
SC-11015-C-MS	AROCLOR-1260	200.00		41.00	UG/KG	N/A	N/A	*	EPA 8080A	SOIL	PEST/PCBS	1	13152018MS		QT2079.0	12/19/96	0000032632	12/16/96
SC-11015-C-SD	AROCLOR-1260	ND		42.00	UG/KG	NOTE 1	N/A	*	EPA 8081	SOIL	PEST/PCBS	1	12L746006	U	WS2030.0	12/28/96	0000032629	12/16/96
SC-11104-S	AROCLOR-1260	ND		41.00	UG/KG	N/A	N/A	*	EPA 8080A	SOIL	PEST/PCBS	1	13104006	U	QT2074.0	12/14/96	0000025982	12/11/96
SC-11104-S-EB	AROCLOR-1260	ND		1.00	UG/L	N/A	N/A	*	EPA 8081	GROUNDWATER	PEST/PCBS	1	12L668003	U	WS2029.0	12/20/96	0000032454	12/10/96
SC-11104-S-FR	AROCLOR-1260	ND		40.00	UG/KG	NOTE 1	N/A	*	EPA 8080A	SOIL	PEST/PCBS	1	13104007	U	QT2074.0	12/14/96	0000032448	12/11/96
SC-11104-S-MD	AROCLOR-1260	190.00		41.00	UG/KG	NOTE 1	N/A	*	EPA 8080A	SOIL	PEST/PCBS	1	13104006MD		QT2074.0	12/14/96	0000032461	
SC-11104-S-MS	AROCLOR-1260	200.00		41.00	UG/KG	N/A	N/A	*	EPA 8080A	SOIL	PEST/PCBS	1	13104006MS		QT2074.0	12/14/96	0000032449	12/11/96
SC-11104-S-SD	AROCLOR-1260	ND		40.00	UG/KG	NOTE 1	N/A	*	EPA 8081	SOIL	PEST/PCBS	1	12L668004	U	WS2029.0	12/18/96	0000032447	12/11/96
SC-11610-S	AROCLOR-1260	ND		46.00	UG/KG	N/A	N/A	*	EPA 8080A	SOIL	PEST/PCBS	1	13582003	U	QT2083.0	2/7/97	0000026114	2/4/97
SC-11610-S-MD	AROCLOR-1260	200.00		46.00	UG/KG	NOTE 1	N/A	*	EPA 8080A	SOIL	PEST/PCBS	1	13582003MD		QT2083.0	2/7/97	0000033067	
SC-11610-S-MS	AROCLOR-1260	200.00		46.00	UG/KG	N/A	N/A	*	EPA 8080A	SOIL	PEST/PCBS	1	13582003MS		QT2083.0	2/7/97	0000033056	2/4/97
SC-12103-S	AROCLOR-1260	ND		40.00	UG/KG	N/A	N/A	*	EPA 8080A	SOIL	PEST/PCBS	1	970102901A	U	MX0062.0	1/22/97	0000026353	1/20/97
SC-12103-S-MD	AROCLOR-1260	210.00		46.00	UG/KG	NOTE 1	N/A	*	EPA 8080A	SOIL	PEST/PCBS	1	970102907A		MX0062.0	1/22/97		
SC-12103-S-MS	AROCLOR-1260	220.00		46.00	UG/KG	N/A	N/A	*	EPA 8080A	SOIL	PEST/PCBS	1	970102907A		MX0062.0	1/22/97		1/20/97
SC-12110-S	AROCLOR-1260	ND		46.00	UG/KG	N/A	N/A	*	EPA 8080A	SOIL	PEST/PCBS	1	970102907A	U	MX0062.0	1/22/97	0000026360	1/20/97
SC-12110-S-EB	AROCLOR-1260	ND		0.12	UG/L	N/A	N/A	*	EPA 8081	SURFACE WATER	PEST/PCBS	1	9701433-01	U	GE2024.0	1/31/97	0000033303	1/20/97
SC-12110-S-FR	AROCLOR-1260	ND		48.00	UG/KG	NOTE 1	N/A	*	EPA 8080A	SOIL	PEST/PCBS	1	970102908A	U	MX0062.0	1/22/97	0000033068	1/20/97
SC-12110-S-SD	AROCLOR-1260	ND		51.40	UG/KG	NOTE 1	N/A	*	EPA 8080A	SOIL	PEST/PCBS	10	9701433-02	U	GE2024.0	2/11/97	0000033304	1/20/97
SC-12115-S	AROCLOR-1260	ND		43.00	UG/KG	N/A	N/A	*	EPA 8080A	SOIL	PEST/PCBS	1	970103001A	U	MX0063.0	1/22/97	0000026366	1/20/97
SC-12115-S-EB	AROCLOR-1260	ND		0.12	UG/L	N/A	N/A	*	EPA 8081	SURFACE WATER	PEST/PCBS	1	9701433-03	U	GE2024.0	1/31/97	0000033305	1/20/97
SC-12115-S-FR	AROCLOR-1260	ND		41.00	UG/KG	NOTE 1	N/A	*	EPA 8080A	SOIL	PEST/PCBS	1	970103002A	U	MX0063.0	1/22/97	0000032657	1/20/97
SC-12115-S-MD	AROCLOR-1260	170.00		43.00	UG/KG	NOTE 1	N/A	*	EPA 8080A	SOIL	PEST/PCBS	1	970103001A		MX0063.0	1/22/97	0000032659	
SC-12115-S-MS	AROCLOR-1260	160.00		43.00	UG/KG	N/A	N/A	*	EPA 8080A	SOIL	PEST/PCBS	1	970103001A		MX0063.0	1/22/97	0000032658	1/20/97
SC-12115-S-SD	AROCLOR-1260	ND		47.70	UG/KG	NOTE 1	N/A	*	EPA 8080A	SOIL	PEST/PCBS	10	9701433-04	U	GE2024.0	2/11/97	0000033306	1/20/97
SC-12215-S	AROCLOR-1260	ND		45.00	UG/KG	N/A	N/A	*	EPA 8080A	SOIL	PEST/PCBS	1	970103108A	U	MX0064.0	1/23/97	0000026396	1/20/97
SC-12215-S-EB	AROCLOR-1260	ND		0.12	UG/L	N/A	N/A	*	EPA 8081	SURFACE WATER	PEST/PCBS	1	9701433-05	U	GE2024.0	1/31/97	0000033307	1/20/97
SC-12215-S-FR	AROCLOR-1260	ND		46.00	UG/KG	NOTE 1	N/A	*	EPA 8080A	SOIL	PEST/PCBS	1	970103109A	U	MX0064.0	1/23/97	0000033299	1/20/97
SC-12215-S-MD	AROCLOR-1260	240.00		45.00	UG/KG	NOTE 1	N/A	*	EPA 8080A	SOIL	PEST/PCBS	1	970103108A		MX0064.0	1/23/97	0000033298	
SC-12215-S-MS	AROCLOR-1260	220.00		45.00	UG/KG	N/A	N/A	*	EPA 8080A	SOIL	PEST/PCBS	1	970103108A		MX0064.0	1/23/97	0000033297	1/20/97
SC-12215-S-SD	AROCLOR-1260	ND		51.70	UG/KG	NOTE 1	N/A	*	EPA 8080A	SOIL	PEST/PCBS	10	9701433-06	U	GE2024.0	2/11/97	0000033308	1/20/97
SC-12223-S	AROCLOR-1260	ND		41.00	UG/KG	N/A	N/A	*	EPA 8080A	SOIL	PEST/PCBS	1	970103204A	U	MX0065.0	1/23/97	0000026407	1/20/97
SC-12223-S-EB	AROCLOR-1260	ND		0.12	UG/L	N/A	N/A	*	EPA 8081	SURFACE WATER	PEST/PCBS	1	9701433-07	U	GE2024.0	1/31/97	0000033309	1/20/97
SC-12223-S-FR	AROCLOR-1260	ND		42.00	UG/KG	NOTE 1	N/A	*	EPA 8080A	SOIL	PEST/PCBS	1	970103205A	U	MX0065.0	1/23/97	0000033074	1/20/97
SC-12223-S-MD	AROCLOR-1260	210.00		41.00	UG/KG	NOTE 1	N/A	*	EPA 8080A	SOIL	PEST/PCBS	1	970103204A		MX0065.0	1/23/97	0000033073	
SC-12223-S-MS	AROCLOR-1260	200.00		41.00	UG/KG	N/A	N/A	*	EPA 8080A	SOIL	PEST/PCBS	1	970103204A		MX0065.0	1/23/97	0000033071	1/20/97
SC-12223-S-SD	AROCLOR-1260	ND		47.50	UG/KG	NOTE 1	N/A	*	EPA 8080A	SOIL	PEST/PCBS	10	9701433-08	U	GE2024.0	2/11/97	0000033310	1/20/97
SC-10910-S	ARSENIC	5.50		0.45	UG/G	N/A	N/A	*	EPA CLP	SOIL	METALS	1	13154014		QT2080.0	12/18/96	0000025936	12/16/96
SC-10910-S-DU	ARSENIC	5.60		0.45	UG/G	1.8%	N/A	*	EPA CLP	SOIL	METALS	1	13154014DU		QT2080.0	12/18/96	0000032617	12/16/96
SC-10910-S-EB	ARSENIC	4.10		2.70	UG/L	N/A	N/A	*	EPA CLP	GROUNDWATER	METALS	1	12L746001	B	WS2030.0	12/29/96	0000032620	12/16/96

APPENDIX G TABLE G-1

WSSRAP ID	PARAMETER	CONC	ERR	DL	UNITS	RPD	DER	VAL QUAL	METHOD	MATRIX	CATEGORY	DIL	LAB ID	LAB QUAL	LAB REQU	DATE ANA	SAMPLINK	DATE SAM
SC-10910-S-FR	ARSENIC	4.80		0.45	UG/G	13.6%	N/A	*	EPA CLP	SOIL	METALS	1	13154015		QT2080.0	12/18/96	0000032615	12/16/96
SC-10910-S-MS	ARSENIC	514.00		0.45	UG/G	N/A	N/A	*	EPA CLP	SOIL	METALS	1	13154014MS		QT2080.0	12/18/96	0000032616	12/16/96
SC-10910-S-SD	ARSENIC	4.70		0.67	UG/G	16.7%	N/A	*	EPA CLP	SOIL	METALS	1	12L746002		WS2030.0	12/29/96	0000032619	12/16/96
SC-11009-S-EB	ARSENIC	ND		2.70	UG/L	N/A	N/A	*	EPA CLP	GROUNDWATER	METALS	1	12L746003	U	WS2030.0	12/29/96	0000032626	12/16/96
SC-11015-C-EB	ARSENIC	ND		2.70	UG/L	N/A	N/A	*	EPA CLP	GROUNDWATER	METALS	1	12L746005	U	WS2030.0	12/29/96	0000032628	12/16/96
SC-12103-S-MS	ARSENIC	15.50		1.12	UG/G	N/A	N/A	*	EPA CLP	SOIL	METALS	1	970102907A		MX0062.0	1/22/97		1/20/97
SC-12110-S	ARSENIC	6.30		1.12	UG/G	N/A	N/A	*	EPA CLP	SOIL	METALS	1	970102907A		MX0062.0	1/22/97	0000026380	1/20/97
SC-12110-S-DU	ARSENIC	7.09		1.12	UG/G	11.8%	N/A	*	EPA CLP	SOIL	METALS	1	970102907A		MX0062.0	1/22/97	0000033069	1/20/97
SC-12110-S-EB	ARSENIC	ND		3.40	UG/L	N/A	N/A	*	6010A	SURFACE WATER	METALS	1	9701433-01	UN	GE2024.0	2/13/97	0000033303	1/20/97
SC-12110-S-FR	ARSENIC	4.90		1.04	UG/G	NOTE 1	N/A	*	EPA CLP	SOIL	METALS	1	970102906A		MX0062.0	1/22/97	0000033066	1/20/97
SC-12110-S-SD	ARSENIC	3.60		0.89	UG/G	NOTE 1	N/A	*	6010A	SOIL	METALS	1	9701433-02	N	GE2024.0	2/17/97	0000033304	1/20/97
SC-12115-S	ARSENIC	3.10		1.06	UG/G	N/A	N/A	*	EPA CLP	SOIL	METALS	1	970103001A		MX0063.0	1/22/97	0000026368	1/20/97
SC-12115-S-DU	ARSENIC	4.17		1.08	UG/G	NOTE 1	N/A	*	EPA CLP	SOIL	METALS	1	970103001A		MX0063.0	1/22/97	0000032660	1/20/97
SC-12115-S-EB	ARSENIC	ND		3.40	UG/L	N/A	N/A	*	6010A	SURFACE WATER	METALS	1	9701433-03	UN	GE2024.0	2/13/97	0000033305	1/20/97
SC-12115-S-FR	ARSENIC	2.60		1.00	UG/G	NOTE 1	N/A	*	EPA CLP	SOIL	METALS	1	970103002A		MX0063.0	1/22/97	0000032657	1/20/97
SC-12115-S-MS	ARSENIC	12.60		1.06	UG/G	N/A	N/A	*	EPA CLP	SOIL	METALS	1	970103001A		MX0063.0	1/22/97	0000032658	1/20/97
SC-12115-S-SD	ARSENIC	5.60		0.87	UG/G	NOTE 1	N/A	*	6010A	SOIL	METALS	1	9701433-04	N	GE2024.0	2/17/97	0000033306	1/20/97
SC-12215-S	ARSENIC	2.80		1.09	UG/G	N/A	N/A	*	EPA CLP	SOIL	METALS	1	970103108A		MX0064.0	1/22/97	0000026396	1/20/97
SC-12215-S-DU	ARSENIC	2.93		1.09	UG/G	NOTE 1	N/A	*	EPA CLP	SOIL	METALS	1	970103108A		MX0064.0	1/22/97	0000033300	1/20/97
SC-12215-S-EB	ARSENIC	ND		3.40	UG/L	N/A	N/A	*	6010A	SURFACE WATER	METALS	1	9701433-05	UN	GE2024.0	2/13/97	0000033307	1/20/97
SC-12215-S-FR	ARSENIC	10.50		1.15	UG/G	NOTE 1	N/A	*	EPA CLP	SOIL	METALS	1	970103109A		MX0064.0	1/22/97	0000033299	1/20/97
SC-12215-S-MS	ARSENIC	12.00		1.09	UG/G	N/A	N/A	*	EPA CLP	SOIL	METALS	1	970103106A		MX0064.0	1/22/97	0000033297	1/20/97
SC-12215-S-SD	ARSENIC	4.40		0.84	UG/G	NOTE 1	N/A	*	6010A	SOIL	METALS	1	9701433-06	N	GE2024.0	2/17/97	0000033308	1/20/97
SC-12223-S	ARSENIC	4.80		1.02	UG/G	N/A	N/A	*	EPA CLP	SOIL	METALS	1	970103204A		MX0065.0	1/23/97	0000026407	1/20/97
SC-12223-S-DU	ARSENIC	4.39		1.02	UG/G	NOTE 1	N/A	*	EPA CLP	SOIL	METALS	1	970103204A		MX0065.0	1/23/97	0000033072	1/20/97
SC-12223-S-EB	ARSENIC	ND		3.40	UG/L	N/A	N/A	*	6010A	SURFACE WATER	METALS	1	9701433-07	UN	GE2024.0	2/13/97	0000033309	1/20/97
SC-12223-S-FR	ARSENIC	3.90		1.01	UG/G	NOTE 1	N/A	*	EPA CLP	SOIL	METALS	1	970103205A		MX0065.0	1/23/97	0000033074	1/20/97
SC-12223-S-MS	ARSENIC	14.30		1.02	UG/G	N/A	N/A	*	EPA CLP	SOIL	METALS	1	970103204A		MX0065.0	1/23/97	0000033071	1/20/97
SC-12223-S-SD	ARSENIC	3.00		0.86	UG/G	NOTE 1	N/A	*	6010A	SOIL	METALS	1	9701433-08	N	GE2024.0	2/17/97	0000033310	1/20/97
SC-10910-S	BENZO(A)ANTHRACENE	ND		44.00	UG/KG	N/A	N/A	*	EPA 8310	SOIL	SEMI-VOLATILES	1	13154014	U	QT2080.0	12/19/96	0000025936	12/16/96
SC-10910-S-EB	BENZO(A)ANTHRACENE	ND		0.13	UG/L	N/A	N/A	*	EPA 8310	GROUNDWATER	SEMI-VOLATILES	1	12L746001	U	WS2030.0	12/27/96	0000032620	12/16/96
SC-10910-S-FR	BENZO(A)ANTHRACENE	ND		44.00	UG/KG	NOTE 1	N/A	*	EPA 8310	SOIL	SEMI-VOLATILES	1	13154015	U	QT2080.0	12/19/96	0000032615	12/16/96
SC-10910-S-MD	BENZO(A)ANTHRACENE	460.00		44.00	UG/KG	11.5%	N/A	*	EPA 8310	SOIL	SEMI-VOLATILES	1	13154014MD		QT2080.0	12/19/96	0000032618	
SC-10910-S-MS	BENZO(A)ANTHRACENE	410.00		44.00	UG/KG	N/A	N/A	*	EPA 8310	SOIL	SEMI-VOLATILES	1	13154014MS		QT2080.0	12/19/96	0000032616	12/16/96
SC-10910-S-SD	BENZO(A)ANTHRACENE	ND		11.20	UG/KG	NOTE 1	N/A	*	EPA 8310	SOIL	SEMI-VOLATILES	1	12L746002	U	WS2030.0	12/27/96	0000032619	12/16/96
SC-11009-S	BENZO(A)ANTHRACENE	ND		39.00	UG/KG	N/A	N/A	*	EPA 8310	SOIL	SEMI-VOLATILES	1	13152011	U	QT2079.0	12/18/96	0000025966	12/16/96
SC-11009-S-EB	BENZO(A)ANTHRACENE	ND		0.13	UG/L	N/A	N/A	*	EPA 8310	GROUNDWATER	SEMI-VOLATILES	1	12L746003	U	WS2030.0	12/27/96	0000032626	12/16/96
SC-11009-S-FR	BENZO(A)ANTHRACENE	ND		40.00	UG/KG	NOTE 1	N/A	*	EPA 8310	SOIL	SEMI-VOLATILES	1	13152012	U	QT2079.0	12/18/96	0000032622	12/16/96
SC-11009-S-MD	BENZO(A)ANTHRACENE	350.00		39.00	UG/KG	0.0%	N/A	*	EPA 8310	SOIL	SEMI-VOLATILES	1	13152011MD		QT2079.0	12/18/96	0000032624	
SC-11009-S-MS	BENZO(A)ANTHRACENE	350.00		39.00	UG/KG	N/A	N/A	*	EPA 8310	SOIL	SEMI-VOLATILES	1	13152011MS		QT2079.0	12/18/96	0000032625	12/16/96
SC-11009-S-SD	BENZO(A)ANTHRACENE	ND		10.90	UG/KG	NOTE 1	N/A	*	EPA 8310	SOIL	SEMI-VOLATILES	1	12L746004	U	WS2030.0	12/27/96	0000032627	12/16/96
SC-11015-C-EB	BENZO(A)ANTHRACENE	ND		0.13	UG/L	N/A	N/A	*	EPA 8310	GROUNDWATER	SEMI-VOLATILES	1	12L746005	U	WS2030.0	12/27/96	0000032628	12/16/96
SC-10910-S	BENZO(A)PYRENE	ND		44.00	UG/KG	N/A	N/A	*	EPA 8310	SOIL	SEMI-VOLATILES	1	13154014	U	QT2080.0	12/19/96	0000025936	12/16/96
SC-10910-S-EB	BENZO(A)PYRENE	ND		0.23	UG/L	N/A	N/A	*	EPA 8310	GROUNDWATER	SEMI-VOLATILES	1	12L746001	U	WS2030.0	12/27/96	0000032620	12/16/96
SC-10910-S-FR	BENZO(A)PYRENE	ND		44.00	UG/KG	NOTE 1	N/A	*	EPA 8310	SOIL	SEMI-VOLATILES	1	13154015	U	QT2080.0	12/19/96	0000032615	12/16/96
SC-10910-S-MD	BENZO(A)PYRENE	330.00		44.00	UG/KG	3.1%	N/A	*	EPA 8310	SOIL	SEMI-VOLATILES	1	13154014MD		QT2080.0	12/19/96	0000032618	
SC-10910-S-MS	BENZO(A)PYRENE	320.00		44.00	UG/KG	N/A	N/A	*	EPA 8310	SOIL	SEMI-VOLATILES	1	13154014MS		QT2080.0	12/19/96	0000032616	12/16/96
SC-10910-S-SD	BENZO(A)PYRENE	ND		18.80	UG/KG	NOTE 1	N/A	*	EPA 8310	SOIL	SEMI-VOLATILES	1	12L746002	U	WS2030.0	12/27/96	0000032619	12/16/96
SC-11009-S	BENZO(A)PYRENE	ND		39.00	UG/KG	N/A	N/A	*	EPA 8310	SOIL	SEMI-VOLATILES	1	13152011	U	QT2079.0	12/18/96	0000025966	12/16/96
SC-11009-S-EB	BENZO(A)PYRENE	ND		0.23	UG/L	N/A	N/A	*	EPA 8310	GROUNDWATER	SEMI-VOLATILES	1	12L746003	U	WS2030.0	12/27/96	0000032626	12/16/96
SC-11009-S-FR	BENZO(A)PYRENE	ND		40.00	UG/KG	NOTE 1	N/A	*	EPA 8310	SOIL	SEMI-VOLATILES	1	13152012	U	QT2079.0	12/18/96	0000032622	12/16/96
SC-11009-S-MD	BENZO(A)PYRENE	270.00		39.00	UG/KG	0.0%	N/A	*	EPA 8310	SOIL	SEMI-VOLATILES	1	13152011MD		QT2079.0	12/18/96	0000032624	

APPENDIX G TABLE G-1

WSSRAP ID	PARAMETER	CONC	ERR	DL	UNITS	RPD	DER	VAL QUAL	METHOD	MATRIX	CATEGORY	DIL	LAB ID	LAB QUAL	LAB REQU	DATE ANA	SAMPLINK	DATE SAM
SC-11009-S-MS	BENZO(A)PYRENE	270.00		39.00	UG/KG	N/A	N/A	*	EPA 8310	SOIL	SEMI-VOLATILES	1	13152011MS		QT2079.0	12/18/96	0000032625	12/16/96
SC-11009-S-SD	BENZO(A)PYRENE	ND		18.10	UG/KG	NOTE 1	N/A	*	EPA 8310	SOIL	SEMI-VOLATILES	1	12L746004	U	WS2030.0	12/27/96	0000032627	12/16/96
SC-11015-C-EB	BENZO(A)PYRENE	ND		0.23	UG/L	N/A	N/A	*	EPA 8310	GROUNDWATER	SEMI-VOLATILES	1	12L746005	U	WS2030.0	12/27/96	0000032628	12/16/96
SC-10910-S	BENZO(B)FLUORANTHENE	ND		44.00	UG/KG	N/A	N/A	*	EPA 8310	SOIL	SEMI-VOLATILES	1	13154014	U	QT2080.0	12/19/96	0000025936	12/16/96
SC-10910-S-EB	BENZO(B)FLUORANTHENE	ND		0.18	UG/L	N/A	N/A	*	EPA 8310	GROUNDWATER	SEMI-VOLATILES	1	12L746001	U	WS2030.0	12/27/96	0000032620	12/16/96
SC-10910-S-FR	BENZO(B)FLUORANTHENE	ND		44.00	UG/KG	NOTE 1	N/A	*	EPA 8310	SOIL	SEMI-VOLATILES	1	13154015	U	QT2080.0	12/19/96	0000032615	12/16/96
SC-10910-S-MD	BENZO(B)FLUORANTHENE	360.00		44.00	UG/KG	5.7%	N/A	*	EPA 8310	SOIL	SEMI-VOLATILES	1	13154014MD		QT2080.0	12/19/96	0000032618	
SC-10910-S-MS	BENZO(B)FLUORANTHENE	340.00		44.00	UG/KG	N/A	N/A	*	EPA 8310	SOIL	SEMI-VOLATILES	1	13154014MS		QT2080.0	12/19/96	0000032616	12/16/96
SC-10910-S-SD	BENZO(B)FLUORANTHENE	ND		16.00	UG/KG	NOTE 1	N/A	*	EPA 8310	SOIL	SEMI-VOLATILES	1	12L746002	U	WS2030.0	12/27/96	0000032619	12/16/96
SC-11009-S	BENZO(B)FLUORANTHENE	ND		39.00	UG/KG	N/A	N/A	*	EPA 8310	SOIL	SEMI-VOLATILES	1	13152011	U	QT2079.0	12/18/96	0000025966	12/16/96
SC-11009-S-EB	BENZO(B)FLUORANTHENE	ND		0.18	UG/L	N/A	N/A	*	EPA 8310	GROUNDWATER	SEMI-VOLATILES	1	12L746003	U	WS2030.0	12/27/96	0000032626	12/16/96
SC-11009-S-FR	BENZO(B)FLUORANTHENE	ND		40.00	UG/KG	NOTE 1	N/A	*	EPA 8310	SOIL	SEMI-VOLATILES	1	13152012	U	QT2079.0	12/18/96	0000032622	12/16/96
SC-11009-S-MD	BENZO(B)FLUORANTHENE	290.00		39.00	UG/KG	3.4%	N/A	*	EPA 8310	SOIL	SEMI-VOLATILES	1	13152011MD		QT2079.0	12/18/96	0000032624	
SC-11009-S-MS	BENZO(B)FLUORANTHENE	300.00		39.00	UG/KG	N/A	N/A	*	EPA 8310	SOIL	SEMI-VOLATILES	1	13152011MS		QT2079.0	12/18/96	0000032625	12/16/96
SC-11009-S-SD	BENZO(B)FLUORANTHENE	ND		14.50	UG/KG	NOTE 1	N/A	*	EPA 8310	SOIL	SEMI-VOLATILES	1	12L746004	U	WS2030.0	12/27/96	0000032627	12/16/96
SC-11015-C-EB	BENZO(B)FLUORANTHENE	ND		0.18	UG/L	N/A	N/A	*	EPA 8310	GROUNDWATER	SEMI-VOLATILES	1	12L746005	U	WS2030.0	12/27/96	0000032628	12/16/96
SC-10910-S	BENZO(K)FLUORANTHENE	ND		44.00	UG/KG	N/A	N/A	*	EPA 8310	SOIL	SEMI-VOLATILES	1	13154014	U	QT2080.0	12/19/96	0000025936	12/16/96
SC-10910-S-EB	BENZO(K)FLUORANTHENE	ND		0.17	UG/L	N/A	N/A	*	EPA 8310	GROUNDWATER	SEMI-VOLATILES	1	12L746001	U	WS2030.0	12/27/96	0000032620	12/16/96
SC-10910-S-FR	BENZO(K)FLUORANTHENE	ND		44.00	UG/KG	NOTE 1	N/A	*	EPA 8310	SOIL	SEMI-VOLATILES	1	13154015	U	QT2080.0	12/19/96	0000032615	12/16/96
SC-10910-S-MD	BENZO(K)FLUORANTHENE	360.00		44.00	UG/KG	5.4%	N/A	*	EPA 8310	SOIL	SEMI-VOLATILES	1	13154014MD		QT2080.0	12/19/96	0000032618	
SC-10910-S-MS	BENZO(K)FLUORANTHENE	380.00		44.00	UG/KG	N/A	N/A	*	EPA 8310	SOIL	SEMI-VOLATILES	1	13154014MS		QT2080.0	12/19/96	0000032616	12/16/96
SC-10910-S-SD	BENZO(K)FLUORANTHENE	ND		13.80	UG/KG	NOTE 1	N/A	*	EPA 8310	SOIL	SEMI-VOLATILES	1	12L746002	U	WS2030.0	12/27/96	0000032619	12/16/96
SC-11009-S	BENZO(K)FLUORANTHENE	ND		39.00	UG/KG	N/A	N/A	*	EPA 8310	SOIL	SEMI-VOLATILES	1	13152011	U	QT2079.0	12/18/96	0000025966	12/16/96
SC-11009-S-EB	BENZO(K)FLUORANTHENE	ND		0.17	UG/L	N/A	N/A	*	EPA 8310	GROUNDWATER	SEMI-VOLATILES	1	12L746003	U	WS2030.0	12/27/96	0000032626	12/16/96
SC-11009-S-FR	BENZO(K)FLUORANTHENE	ND		40.00	UG/KG	NOTE 1	N/A	*	EPA 8310	SOIL	SEMI-VOLATILES	1	13152012	U	QT2079.0	12/18/96	0000032622	12/16/96
SC-11009-S-MD	BENZO(K)FLUORANTHENE	330.00		39.00	UG/KG	0.0%	N/A	*	EPA 8310	SOIL	SEMI-VOLATILES	1	13152011MD		QT2079.0	12/18/96	0000032624	
SC-11009-S-MS	BENZO(K)FLUORANTHENE	330.00		39.00	UG/KG	N/A	N/A	*	EPA 8310	SOIL	SEMI-VOLATILES	1	13152011MS		QT2079.0	12/18/96	0000032625	12/16/96
SC-11009-S-SD	BENZO(K)FLUORANTHENE	ND		13.30	UG/KG	NOTE 1	N/A	*	EPA 8310	SOIL	SEMI-VOLATILES	1	12L746004	U	WS2030.0	12/27/96	0000032627	12/16/96
SC-11015-C-EB	BENZO(K)FLUORANTHENE	ND		0.17	UG/L	N/A	N/A	*	EPA 8310	GROUNDWATER	SEMI-VOLATILES	1	12L746005	U	WS2030.0	12/27/96	0000032628	12/16/96
SC-09819-S	CHROMIUM	21.50		0.38	UG/G	N/A	N/A	*	EPA CLP	SOIL	METALS	1	12474003		QT2014.0	10/12/96	0000025565	10/10/96
SC-09819-S-DU	CHROMIUM	15.60		0.38	UG/G	31.8%	N/A	*	EPA CLP	SOIL	METALS	1	12474003DU		QT2014.0	10/12/96	0000030688	10/10/96
SC-09819-S-EB	CHROMIUM	ND		1.00	UG/L	N/A	N/A	U	6010A	SURFACE WATER	METALS	1	9610330-07	U	GE2014.0	10/21/96	0000030689	10/10/96
SC-09819-S-FR	CHROMIUM	16.00		0.40	UG/G	29.3%	N/A	*	EPA CLP	SOIL	METALS	1	12474004		QT2014.0	10/12/96	0000030685	10/10/96
SC-09819-S-MS	CHROMIUM	67.00		0.38	UG/G	N/A	N/A	*	EPA CLP	SOIL	METALS	1	12474003MS		QT2014.0	10/12/96	0000030686	10/10/96
SC-09819-S-SD	CHROMIUM	22.70		0.24	UG/G	5.4%	N/A	A	6010A	SOIL	METALS	1	9610330-08		GE2014.0	10/21/96	0000030684	10/10/96
SC-09905-S	CHROMIUM	16.10		0.40	UG/G	N/A	N/A	*	EPA CLP	SOIL	METALS	1	12425003		QT2008.0	10/9/96	0000025667	10/7/96
SC-09905-S-DU	CHROMIUM	15.20		0.40	UG/G	5.8%	N/A	*	EPA CLP	SOIL	METALS	1	12425003DU		QT2008.0	10/9/96	0000030569	10/7/96
SC-09905-S-EB	CHROMIUM	ND		6.60	UG/L	N/A	N/A	6.8U	6010A	SURFACE WATER	METALS	1	9610260-02	B	GE2010.0	10/16/96	0000030583	10/7/96
SC-09905-S-FR	CHROMIUM	22.00		0.38	UG/G	31.0%	N/A	*	EPA CLP	SOIL	METALS	1	12425004		QT2008.0	10/9/96	0000030571	10/7/96
SC-09905-S-MS	CHROMIUM	65.00		0.40	UG/G	N/A	N/A	*	EPA CLP	SOIL	METALS	1	12425003MS		QT2008.0	10/9/96	0000030568	10/7/96
SC-09905-S-SD	CHROMIUM	38.00		0.24	UG/G	81.0%	N/A	A	6010A	SOIL	METALS	1	9610260-03		GE2010.0	10/16/96	0000030584	10/7/96
SC-09906-S	CHROMIUM	14.50		0.36	UG/G	N/A	N/A	*	EPA CLP	SOIL	METALS	1	12425005		QT2008.0	10/9/96	0000030572	10/7/96
SC-09906-S-DU	CHROMIUM	16.90		0.36	UG/G	15.3%	N/A	*	EPA CLP	SOIL	METALS	1	12425005DU		QT2008.0	10/9/96	0000030588	10/7/96
SC-09906-S-EB	CHROMIUM	ND		6.90	UG/L	N/A	N/A	6.9U	6010A	SURFACE WATER	METALS	1	9610260-04	B	GE2010.0	10/16/96	0000030585	10/7/96
SC-09906-S-FR	CHROMIUM	24.90		0.37	UG/G	52.8%	N/A	*	EPA CLP	SOIL	METALS	1	12425006		QT2008.0	10/9/96	0000030590	10/7/96
SC-09906-S-MS	CHROMIUM	62.10		0.36	UG/G	N/A	N/A	*	EPA CLP	SOIL	METALS	1	12425005MS		QT2008.0	10/9/96	0000030587	10/7/96
SC-09906-S-SD	CHROMIUM	20.00		0.24	UG/G	31.9%	N/A	A	6010A	SOIL	METALS	1	9610260-05		GE2010.0	10/16/96	0000030586	10/7/96
SC-10016-S	CHROMIUM	19.00		1.10	UG/G	N/A	N/A	*	EPA CLP	SOIL	METALS	1	12896013		QT2050.0	11/22/96	0000025708	11/19/96
SC-10016-S-DU	CHROMIUM	22.20		1.10	UG/G	15.5%	N/A	*	EPA CLP	SOIL	METALS	1	12896013DU		QT2050.0	11/22/96	0000032026	11/19/96
SC-10016-S-EB	CHROMIUM	ND		5.80	UG/L	N/A	N/A	*	EPA CLP	SURFACE WATER	METALS	1	11L397001	U	WS2024.0	12/2/96	0000032046	11/19/96
SC-10016-S-FR	CHROMIUM	28.10		1.10	UG/G	31.5%	N/A	*	EPA CLP	SOIL	METALS	1	12896014		QT2050.0	11/22/96	0000032024	11/19/96
SC-10016-S-MS	CHROMIUM	74.50		1.10	UG/G	N/A	N/A	*	EPA CLP	SOIL	METALS	1	12896013MS		QT2050.0	11/22/96	0000032025	11/19/96

APPENDIX G TABLE G-1

WSSRAP ID	PARAMETER	CONC	ERR	DL	UNITS	RPD	DER	VAL QUAL	METHOD	MATRIX	CATEGORY	DIL	LAB ID	LAB QUAL	LAB REQU	DATE ANA	SAMPLINK	DATE SAM
SC-10016-S-SD	CHROMIUM	26.20		0.76	UG/G	31.9%	N/A	*	EPA CLP	SOIL	METALS	1	11L397002		WS2024.0	12/2/96	0000032048	11/19/96
SC-10607-S	CHROMIUM	17.80		0.68	UG/G	N/A	N/A	*	EPA CLP	SOIL	METALS	1	13547001		QT2082.0	2/5/97	0000025848	2/3/97
SC-10607-S-DU	CHROMIUM	16.10		0.68	UG/G	8.9%	N/A	*	EPA CLP	SOIL	METALS	1	13547001DU		QT2082.0	2/5/97	0000033043	2/3/97
SC-10607-S-EB	CHROMIUM	-0.33		1.00	UG/L	N/A	N/A	*	6010A	GROUNDWATER	METALS	1	9702108-01	U	GE2031.0	2/27/97	0000033450	2/3/97
SC-10607-S-FR	CHROMIUM	13.10		0.70	UG/G	29.3%	N/A	*	EPA CLP	SOIL	METALS	1	13547002		QT2082.0	2/5/97	0000033047	2/3/97
SC-10607-S-MS	CHROMIUM	66.30		0.68	UG/G	N/A	N/A	*	EPA CLP	SOIL	METALS	1	13547001MS		QT2082.0	2/5/97	0000033042	2/3/97
SC-10607-S-SD	CHROMIUM	25.20		0.22	UG/G	35.5%	N/A	*	6010A	SOIL	METALS	1	9702108-02		GE2031.0	2/28/97	0000033451	2/3/97
SC-10615-S	CHROMIUM	14.50		0.66	UG/G	N/A	N/A	*	EPA CLP	SOIL	METALS	1	13547008		QT2082.0	2/5/97	0000025856	2/3/97
SC-10615-S-DU	CHROMIUM	15.60		0.68	UG/G	7.3%	N/A	*	EPA CLP	SOIL	METALS	1	13547008DU		QT2082.0	2/5/97	0000033045	2/3/97
SC-10615-S-EB	CHROMIUM	-0.67		1.00	UG/L	N/A	N/A	*	6010A	GROUNDWATER	METALS	1	9702108-03	U	GE2031.0	2/27/97	0000033452	2/3/97
SC-10615-S-FR	CHROMIUM	15.30		0.67	UG/G	5.4%	N/A	*	EPA CLP	SOIL	METALS	1	13547009		QT2082.0	2/5/97	0000033046	2/3/97
SC-10615-S-MS	CHROMIUM	63.70		0.66	UG/G	N/A	N/A	*	EPA CLP	SOIL	METALS	1	13547008MS		QT2082.0	2/5/97	0000033044	2/3/97
SC-10615-S-SD	CHROMIUM	24.80		0.23	UG/G	52.4%	N/A	*	6010A	SOIL	METALS	1	9702108-04		GE2031.0	2/28/97	0000033453	2/3/97
SC-10910-S	CHROMIUM	13.60		0.38	UG/G	N/A	N/A	*	EPA CLP	SOIL	METALS	1	13154014		QT2080.0	12/18/96	0000025938	12/16/96
SC-10910-S-DU	CHROMIUM	12.20		0.38	UG/G	10.9%	N/A	*	EPA CLP	SOIL	METALS	1	13154014DU		QT2080.0	12/18/96	0000032617	12/16/96
SC-10910-S-EB	CHROMIUM	ND		0.90	UG/L	N/A	N/A	*	EPA CLP	GROUNDWATER	METALS	1	12L746001	U	WS2030.0	12/29/96	0000032620	12/16/96
SC-10910-S-FR	CHROMIUM	12.20		0.38	UG/G	10.9%	N/A	*	EPA CLP	SOIL	METALS	1	13154015		QT2080.0	12/18/96	0000032615	12/16/96
SC-10910-S-MS	CHROMIUM	56.70		0.38	UG/G	N/A	N/A	*	EPA CLP	SOIL	METALS	1	13154014MS		QT2080.0	12/18/96	0000032616	12/16/96
SC-10910-S-SD	CHROMIUM	21.90		0.22	UG/G	46.8%	N/A	*	EPA CLP	SOIL	METALS	1	12L746002		WS2030.0	12/29/96	0000032619	12/16/96
SC-11009-S	CHROMIUM	15.00		0.34	UG/G	N/A	N/A	*	EPA CLP	SOIL	METALS	1	13152011		QT2079.0	12/18/96	0000025966	12/16/96
SC-11009-S-DU	CHROMIUM	11.90		0.34	UG/G	23.0%	N/A	*	EPA CLP	SOIL	METALS	1	13152011DU		QT2079.0	12/18/96	0000032623	12/16/96
SC-11009-S-EB	CHROMIUM	ND		0.90	UG/L	N/A	N/A	*	EPA CLP	GROUNDWATER	METALS	1	12L746003	U	WS2030.0	12/29/96	0000032626	12/16/96
SC-11009-S-FR	CHROMIUM	13.30		0.35	UG/G	12.0%	N/A	*	EPA CLP	SOIL	METALS	1	13152012		QT2079.0	12/18/96	0000032622	12/16/96
SC-11009-S-MS	CHROMIUM	50.90		0.34	UG/G	N/A	N/A	*	EPA CLP	SOIL	METALS	1	13152011MS		QT2079.0	12/18/96	0000032625	12/16/96
SC-11009-S-SD	CHROMIUM	21.00		0.22	UG/G	33.3%	N/A	*	EPA CLP	SOIL	METALS	1	12L746004		WS2030.0	12/29/96	0000032627	12/16/96
SC-11015-C	CHROMIUM	18.10		0.38	UG/G	N/A	N/A	*	EPA CLP	SOIL	METALS	1	13152018		QT2079.0	12/18/96	0000025976	12/16/96
SC-11015-C-DU	CHROMIUM	17.80		0.38	UG/G	1.7%	N/A	*	EPA CLP	SOIL	METALS	1	13152018DU		QT2079.0	12/18/96	0000032630	12/16/96
SC-11015-C-EB	CHROMIUM	ND		0.90	UG/L	N/A	N/A	*	EPA CLP	GROUNDWATER	METALS	1	12L746005	U	WS2030.0	12/29/96	0000032628	12/16/96
SC-11015-C-FR	CHROMIUM	15.60		0.37	UG/G	14.8%	N/A	*	EPA CLP	SOIL	METALS	1	13152019		QT2079.0	12/18/96	0000032633	12/16/96
SC-11015-C-MS	CHROMIUM	62.80		0.36	UG/G	N/A	N/A	*	EPA CLP	SOIL	METALS	1	13152018MS		QT2079.0	12/18/96	0000032632	12/16/96
SC-11015-C-SD	CHROMIUM	19.10		0.23	UG/G	5.4%	N/A	*	EPA 6010A	SOIL	METALS	1	12L746006		WS2030.0	12/29/96	0000032629	12/16/96
SC-11104-S	CHROMIUM	19.90		0.37	UG/G	N/A	N/A	*	EPA CLP	SOIL	METALS	1	13104006		QT2074.0	12/13/96	0000025982	12/11/96
SC-11104-S-DU	CHROMIUM	15.40		0.37	UG/G	25.5%	N/A	*	EPA CLP	SOIL	METALS	1	13104006DU		QT2074.0	12/13/96	0000032450	12/11/96
SC-11104-S-EB	CHROMIUM	ND		0.90	UG/L	N/A	N/A	*	EPA CLP	GROUNDWATER	METALS	1	12L668003	U	WS2029.0	12/24/96	0000032454	12/10/96
SC-11104-S-FR	CHROMIUM	15.30		0.36	UG/G	26.1%	N/A	*	EPA CLP	SOIL	METALS	1	13104007		QT2074.0	12/13/96	0000032446	12/11/96
SC-11104-S-MS	CHROMIUM	61.50		0.37	UG/G	N/A	N/A	*	EPA CLP	SOIL	METALS	1	13104006MS		QT2074.0	12/13/96	0000032449	12/11/96
SC-11104-S-SD	CHROMIUM	21.60		0.21	UG/G	8.2%	N/A	*	EPA CLP	SOIL	METALS	1	12L668004		WS2029.0	12/24/96	0000032447	12/11/96
SC-12103-S-MS	CHROMIUM	68.90		1.12	UG/G	N/A	N/A	*	EPA CLP	SOIL	METALS	1	970102907A		MX0062.0	1/22/97		1/20/97
SC-12110-S	CHROMIUM	14.20		1.12	UG/G	N/A	N/A	*	EPA CLP	SOIL	METALS	1	970102907A	*	MX0062.0	1/22/97	0000026380	1/20/97
SC-12110-S-DU	CHROMIUM	22.20		1.12	UG/G	44.0%	N/A	*	EPA CLP	SOIL	METALS	1	970102907A	*	MX0062.0	1/22/97	0000033089	1/20/97
SC-12110-S-EB	CHROMIUM	1.90		0.70	UG/L	N/A	N/A	*	6010A	SURFACE WATER	METALS	1	9701433-01	B	GE2024.0	2/13/97	0000033303	1/20/97
SC-12110-S-FR	CHROMIUM	15.70		1.04	UG/G	10.0%	N/A	*	EPA CLP	SOIL	METALS	1	970102908A	*	MX0062.0	1/22/97	0000033088	1/20/97
SC-12110-S-SD	CHROMIUM	12.90		0.18	UG/G	9.6%	N/A	*	6010A	SOIL	METALS	1	9701433-02	*	GE2024.0	2/17/97	0000033304	1/20/97
SC-12115-S	CHROMIUM	11.50		1.06	UG/G	N/A	N/A	*	EPA CLP	SOIL	METALS	1	970103001A		MX0063.0	1/22/97	0000026386	1/20/97
SC-12115-S-DU	CHROMIUM	12.60		1.06	UG/G	9.1%	N/A	*	EPA CLP	SOIL	METALS	1	970103001A		MX0063.0	1/22/97	0000032660	1/20/97
SC-12115-S-EB	CHROMIUM	0.63		0.70	UG/L	N/A	N/A	*	6010A	SURFACE WATER	METALS	1	9701433-03	B	GE2024.0	2/13/97	0000033305	1/20/97
SC-12115-S-FR	CHROMIUM	13.30		1.00	UG/G	14.5%	N/A	*	EPA CLP	SOIL	METALS	1	970103002A		MX0063.0	1/22/97	0000032657	1/20/97
SC-12115-S-MS	CHROMIUM	61.10		1.06	UG/G	N/A	N/A	*	EPA CLP	SOIL	METALS	1	970103001A		MX0063.0	1/22/97	0000032658	1/20/97
SC-12115-S-SD	CHROMIUM	19.10		0.18	UG/G	49.7%	N/A	*	6010A	SOIL	METALS	1	9701433-04	*	GE2024.0	2/17/97	0000033306	1/20/97
SC-12215-S	CHROMIUM	17.00		1.09	UG/G	N/A	N/A	*	EPA CLP	SOIL	METALS	1	970103108A	*	MX0064.0	1/22/97	0000026398	1/20/97
SC-12215-S-DU	CHROMIUM	9.73		1.09	UG/G	54.4%	N/A	*	EPA CLP	SOIL	METALS	1	970103108A	*	MX0064.0	1/22/97	0000033300	1/20/97
SC-12215-S-EB	CHROMIUM	ND		0.70	UG/L	N/A	N/A	*	6010A	SURFACE WATER	METALS	1	9701433-05	U	GE2024.0	2/13/97	0000033307	1/20/97

APPENDIX G TABLE G-1

WSSRAP ID	PARAMETER	CONC	ERR	DL	UNITS	RPD	DER	VAL QUAL	METHOD	MATRIX	CATEGORY	DIL	LAB ID	LAB QUAL	LAB REQU	DATE ANA	SAMPLINK	DATE SAM
SC-12215-S-FR	CHROMIUM	18.90		1.15	UG/G	10.8%	N/A	*	EPA CLP	SOIL	METALS	1	970103109A	*	MX0064.0	1/22/97	0000033299	1/20/97
SC-12215-S-MS	CHROMIUM	65.10		1.09	UG/G	N/A	N/A	*	EPA CLP	SOIL	METALS	1	970103108A		MX0064.0	1/22/97	0000033297	1/20/97
SC-12215-S-SD	CHROMIUM	16.00		0.17	UG/G	6.1%	N/A	*	6010A	SOIL	METALS	1	9701433-06	*	GE2024.0	2/17/97	0000033308	1/20/97
SC-12223-S	CHROMIUM	10.20		1.02	UG/G	N/A	N/A	*	EPA CLP	SOIL	METALS	1	970103204A		MX0065.0	1/23/97	0000026407	1/20/97
SC-12223-S-DU	CHROMIUM	11.10		1.02	UG/G	8.5%	N/A	*	EPA CLP	SOIL	METALS	1	970103204A		MX0065.0	1/23/97	0000033072	1/20/97
SC-12223-S-EB	CHROMIUM	1.00		0.70	UG/L	N/A	N/A	*	6010A	SURFACE WATER	METALS	1	9701433-07	B	GE2024.0	2/13/97	0000033309	1/20/97
SC-12223-S-FR	CHROMIUM	9.30		1.01	UG/G	9.2%	N/A	*	EPA CLP	SOIL	METALS	1	970103205A		MX0065.0	1/23/97	0000033074	1/20/97
SC-12223-S-MS	CHROMIUM	61.30		1.02	UG/G	N/A	N/A	*	EPA CLP	SOIL	METALS	1	970103204A		MX0065.0	1/23/97	0000033071	1/20/97
SC-12223-S-SD	CHROMIUM	7.40		0.18	UG/G	31.8%	N/A	*	6010A	SOIL	METALS	1	9701433-03	*	GE2024.0	2/17/97	0000033310	1/20/97
SC-10910-S	CHRYSENE	ND		44.00	UG/KG	N/A	N/A	*	EPA 8310	SOIL	SEMI-VOLATILES	1	13154014	U	QT2080.0	12/19/96	0000025936	12/16/96
SC-10910-S-EB	CHRYSENE	ND		1.50	UG/L	N/A	N/A	*	EPA 8310	GROUNDWATER	SEMI-VOLATILES	1	12L746001	U	WS2030.0	12/27/96	0000032620	12/16/96
SC-10910-S-FR	CHRYSENE	ND		44.00	UG/KG	NOTE 1	N/A	*	EPA 8310	SOIL	SEMI-VOLATILES	1	13154015	U	QT2080.0	12/19/96	0000032615	12/16/96
SC-10910-S-MD	CHRYSENE	310.00		44.00	UG/KG	10.2%	N/A	*	EPA 8310	SOIL	SEMI-VOLATILES	1	13154014MD		QT2080.0	12/19/96	0000032618	
SC-10910-S-MS	CHRYSENE	280.00		44.00	UG/KG	N/A	N/A	*	EPA 8310	SOIL	SEMI-VOLATILES	1	13154014MS		QT2080.0	12/19/96	0000032616	12/16/96
SC-10910-S-SD	CHRYSENE	ND		125.00	UG/KG	NOTE 1	N/A	*	EPA 8310	SOIL	SEMI-VOLATILES	1	12L746002	U	WS2030.0	12/27/96	0000032619	12/16/96
SC-11009-S	CHRYSENE	ND		39.00	UG/KG	N/A	N/A	*	EPA 8310	SOIL	SEMI-VOLATILES	1	13152011	U	QT2079.0	12/18/96	0000025968	12/16/96
SC-11009-S-EB	CHRYSENE	ND		1.53	UG/L	N/A	N/A	*	EPA 8310	GROUNDWATER	SEMI-VOLATILES	1	12L746003	U	WS2030.0	12/27/96	0000032626	12/16/96
SC-11009-S-FR	CHRYSENE	ND		40.00	UG/KG	NOTE 1	N/A	*	EPA 8310	SOIL	SEMI-VOLATILES	1	13152012	U	QT2079.0	12/18/96	0000032622	12/16/96
SC-11009-S-MD	CHRYSENE	240.00		39.00	UG/KG	0.0%	N/A	*	EPA 8310	SOIL	SEMI-VOLATILES	1	13152011MD		QT2079.0	12/18/96	0000032624	
SC-11009-S-MS	CHRYSENE	240.00		39.00	UG/KG	N/A	N/A	*	EPA 8310	SOIL	SEMI-VOLATILES	1	13152011MS		QT2079.0	12/18/96	0000032625	12/16/96
SC-11009-S-SD	CHRYSENE	ND		121.00	UG/KG	NOTE 1	N/A	*	EPA 8310	SOIL	SEMI-VOLATILES	1	12L746004	U	WS2030.0	12/27/96	0000032627	12/16/96
SC-11015-C-EB	CHRYSENE	ND		1.53	UG/L	N/A	N/A	*	EPA 8310	GROUNDWATER	SEMI-VOLATILES	1	12L746005	U	WS2030.0	12/27/96	0000032628	12/16/96
SC-10910-S	INDENO(1,2,3-CD)PYRENE	ND		44.00	UG/KG	N/A	N/A	*	EPA 8310	SOIL	SEMI-VOLATILES	1	13154014	U	QT2080.0	12/19/96	0000025936	12/16/96
SC-10910-S-EB	INDENO(1,2,3-CD)PYRENE	ND		0.43	UG/L	N/A	N/A	*	EPA 8310	GROUNDWATER	SEMI-VOLATILES	1	12L746001	U	WS2030.0	12/27/96	0000032620	12/16/96
SC-10910-S-FR	INDENO(1,2,3-CD)PYRENE	ND		44.00	UG/KG	NOTE 1	N/A	*	EPA 8310	SOIL	SEMI-VOLATILES	1	13154015	U	QT2080.0	12/19/96	0000032615	12/16/96
SC-10910-S-MD	INDENO(1,2,3-CD)PYRENE	340.00		44.00	UG/KG	27.8%	N/A	*	EPA 8310	SOIL	SEMI-VOLATILES	1	13154014MD		QT2080.0	12/19/96	0000032618	
SC-10910-S-MS	INDENO(1,2,3-CD)PYRENE	450.00		44.00	UG/KG	N/A	N/A	*	EPA 8310	SOIL	SEMI-VOLATILES	1	13154014MS		QT2080.0	12/19/96	0000032616	12/16/96
SC-10910-S-SD	INDENO(1,2,3-CD)PYRENE	ND		36.20	UG/KG	NOTE 1	N/A	*	EPA 8310	SOIL	SEMI-VOLATILES	1	12L746002	U	WS2030.0	12/27/96	0000032619	12/16/96
SC-11009-S	INDENO(1,2,3-CD)PYRENE	ND		39.00	UG/KG	N/A	N/A	*	EPA 8310	SOIL	SEMI-VOLATILES	1	13152011	U	QT2079.0	12/18/96	0000025968	12/16/96
SC-11009-S-EB	INDENO(1,2,3-CD)PYRENE	ND		0.44	UG/L	N/A	N/A	*	EPA 8310	GROUNDWATER	SEMI-VOLATILES	1	12L746003	U	WS2030.0	12/27/96	0000032626	12/16/96
SC-11009-S-FR	INDENO(1,2,3-CD)PYRENE	ND		40.00	UG/KG	NOTE 1	N/A	*	EPA 8310	SOIL	SEMI-VOLATILES	1	13152012	U	QT2079.0	12/18/96	0000032622	12/16/96
SC-11009-S-MD	INDENO(1,2,3-CD)PYRENE	280.00		39.00	UG/KG	0.0%	N/A	*	EPA 8310	SOIL	SEMI-VOLATILES	1	13152011MD		QT2079.0	12/18/96	0000032624	
SC-11009-S-MS	INDENO(1,2,3-CD)PYRENE	280.00		39.00	UG/KG	N/A	N/A	*	EPA 8310	SOIL	SEMI-VOLATILES	1	13152011MS		QT2079.0	12/18/96	0000032625	12/16/96
SC-11009-S-SD	INDENO(1,2,3-CD)PYRENE	ND		35.00	UG/KG	NOTE 1	N/A	*	EPA 8310	SOIL	SEMI-VOLATILES	1	12L746004	U	WS2030.0	12/27/96	0000032627	12/16/96
SC-11015-C-EB	INDENO(1,2,3-CD)PYRENE	ND		0.44	UG/L	N/A	N/A	*	EPA 8310	GROUNDWATER	SEMI-VOLATILES	1	12L746005	U	WS2030.0	12/27/96	0000032628	12/16/96
SC-09819-S	LEAD	19.30		0.20	UG/G	N/A	N/A	*	EPA CLP	SOIL	METALS	1	12474003		QT2014.0	10/12/96	0000025665	10/10/96
SC-09819-S-DU	LEAD	12.90		0.20	UG/G	39.8%	N/A	*	EPA CLP	SOIL	METALS	1	12474003DU		QT2014.0	10/12/96	0000030688	10/10/96
SC-09819-S-EB	LEAD	ND		1.50	UG/L	N/A	N/A	U	6010A	SURFACE WATER	METALS	1	9610330-07	U	GE2014.0	10/21/96	0000030689	10/10/96
SC-09819-S-FR	LEAD	10.10		0.22	UG/G	62.8%	N/A	*	EPA CLP	SOIL	METALS	1	12474004		QT2014.0	10/12/96	0000030685	10/10/96
SC-09819-S-MS	LEAD	137.00		0.20	UG/G	N/A	N/A	*	EPA CLP	SOIL	METALS	1	12474003MS		QT2014.0	10/12/96	0000030686	10/10/96
SC-09819-S-SD	LEAD	11.10		0.36	UG/G	53.9%	N/A	J	6010A	SOIL	METALS	1	9610330-08	N	GE2014.0	10/21/96	0000030684	10/10/96
SC-09905-S	LEAD	12.50		0.21	UG/G	N/A	N/A	*	EPA CLP	SOIL	METALS	1	12425003		QT2008.0	10/9/96	0000025667	10/7/96
SC-09905-S-DU	LEAD	11.70		0.21	UG/G	6.6%	N/A	*	EPA CLP	SOIL	METALS	1	12425003DU		QT2008.0	10/9/96	0000030569	10/7/96
SC-09905-S-EB	LEAD	-0.66		1.50	UG/L	N/A	N/A	U	6010A	SURFACE WATER	METALS	1	9610260-02	U	GE2010.0	10/16/96	0000030583	10/7/96
SC-09905-S-FR	LEAD	15.30		0.20	UG/G	20.1%	N/A	*	EPA CLP	SOIL	METALS	1	12425004		QT2008.0	10/9/96	0000030571	10/7/96
SC-09905-S-MS	LEAD	137.00		0.21	UG/G	N/A	N/A	*	EPA CLP	SOIL	METALS	1	12425003MS		QT2008.0	10/9/96	0000030568	10/7/96
SC-09905-S-SD	LEAD	93.70		0.36	UG/G	162.9%	N/A	A	6010A	SOIL	METALS	1	9610260-03	*	GE2010.0	10/16/96	0000030584	10/7/96
SC-09906-S	LEAD	24.30		0.19	UG/G	N/A	N/A	*	EPA CLP	SOIL	METALS	1	12425005		QT2008.0	10/9/96	0000030572	10/7/96
SC-09906-S-DU	LEAD	18.00		0.19	UG/G	41.2%	N/A	*	EPA CLP	SOIL	METALS	1	12425005DU		QT2008.0	10/9/96	0000030588	10/7/96
SC-09906-S-EB	LEAD	-0.50		1.50	UG/L	N/A	N/A	U	6010A	SURFACE WATER	METALS	1	9610260-04	U	GE2010.0	10/16/96	0000030585	10/7/96
SC-09906-S-FR	LEAD	20.10		0.20	UG/G	18.9%	N/A	*	EPA CLP	SOIL	METALS	1	12425006		QT2008.0	10/9/96	0000030590	10/7/96
SC-09906-S-MS	LEAD	129.00		0.19	UG/G	N/A	N/A	*	EPA CLP	SOIL	METALS	1	12425005MS		QT2008.0	10/9/96	0000030587	10/7/96

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WSSRAP ID	PARAMETER	CONC	ERR	DL	UNITS	RPD	DER	VAL QUAL	METHOD	MATRIX	CATEGORY	DIL	LAB ID	LAB QUAL	LAB REQU	DATE ANA	SAMPLINK	DATE SAM
SC-09906-S-SD	LEAD	9.90		0.36	UG/G	84.2%	N/A	A	6010A	SOIL	METALS	1	9610260-05	*	GE2010.0	10/16/96	0000030586	10/7/96
SC-09917-S	LEAD	9.30		0.20	UG/G	N/A	N/A	*	EPA CLP	SOIL	METALS	1	12425022		QT2008.0	10/9/96	0000025881	10/7/96
SC-09917-S-DU	LEAD	10.60		0.20	UG/G	13.1%	N/A	*	EPA CLP	SOIL	METALS	1	12425022DU		QT2008.0	10/9/96	0000030580	10/7/96
SC-09917-S-EB	LEAD	-0.40		1.50	UG/L	N/A	N/A	U	6010A	SURFACE WATER	METALS	1	9610260-06	U	GE2010.0	10/16/96	0000030591	10/7/96
SC-09917-S-FR	LEAD	11.00		0.20	UG/G	16.7%	N/A	*	EPA CLP	SOIL	METALS	1	12425023		QT2008.0	10/9/96	0000030582	10/7/96
SC-09917-S-MS	LEAD	127.00		0.20	UG/G	N/A	N/A	*	EPA CLP	SOIL	METALS	1	12425022MS		QT2008.0	10/9/96	0000030581	10/7/96
SC-09917-S-SD	LEAD	10.90		0.34	UG/G	15.8%	N/A	A	6010A	SOIL	METALS	1	9610260-07	*	GE2010.0	10/16/96	0000030592	10/7/96
SC-10910-S	LEAD	11.60		0.20	UG/G	N/A	N/A	*	EPA CLP	SOIL	METALS	1	13154014		QT2080.0	12/18/96	0000025936	12/16/96
SC-10910-S-DU	LEAD	8.10		0.20	UG/G	35.5%	N/A	*	EPA CLP	SOIL	METALS	1	13154014DU		QT2080.0	12/18/96	0000032617	12/16/96
SC-10910-S-EB	LEAD	6.00		2.00	UG/L	N/A	N/A	*	EPA CLP	GROUNDWATER	METALS	1	12L746001		WS2030.0	1/2/97	0000032620	12/16/96
SC-10910-S-FR	LEAD	8.20		0.20	UG/G	34.3%	N/A	*	EPA CLP	SOIL	METALS	1	13154015		QT2080.0	12/18/96	0000032616	12/16/96
SC-10910-S-MS	LEAD	123.00		0.20	UG/G	N/A	N/A	*	EPA CLP	SOIL	METALS	1	13154014MS		QT2080.0	12/18/96	0000032616	12/16/96
SC-10910-S-SD	LEAD	11.30		0.50	UG/G	2.6%	N/A	*	EPA CLP	SOIL	METALS	1	12L746002		WS2030.0	12/29/96	0000032619	12/16/96
SC-11009-S	LEAD	10.90		0.18	UG/G	N/A	N/A	*	EPA CLP	SOIL	METALS	1	13152011		QT2079.0	12/18/96	0000025968	12/16/96
SC-11009-S-DU	LEAD	11.40		0.18	UG/G	4.5%	N/A	*	EPA CLP	SOIL	METALS	1	13152011DU		QT2079.0	12/18/96	0000032623	12/16/96
SC-11009-S-EB	LEAD	2.20		2.00	UG/L	N/A	N/A	*	EPA CLP	GROUNDWATER	METALS	1	12L746003	B	WS2030.0	1/2/97	0000032626	12/16/96
SC-11009-S-FR	LEAD	11.50		0.18	UG/G	5.4%	N/A	*	EPA CLP	SOIL	METALS	1	13152012		QT2079.0	12/18/96	0000032622	12/16/96
SC-11009-S-MS	LEAD	116.00		0.18	UG/G	N/A	N/A	*	EPA CLP	SOIL	METALS	1	13152011MS		QT2079.0	12/18/96	0000032625	12/16/96
SC-11009-S-SD	LEAD	12.60		0.48	UG/G	14.5%	N/A	*	EPA CLP	SOIL	METALS	1	12L746004		WS2030.0	12/29/96	0000032627	12/16/96
SC-11015-C	LEAD	9.60		0.20	UG/G	N/A	N/A	*	EPA CLP	SOIL	METALS	1	13152018		QT2079.0	12/18/96	0000025975	12/16/96
SC-11015-C-DU	LEAD	10.60		0.20	UG/G	9.9%	N/A	*	EPA CLP	SOIL	METALS	1	13152018DU		QT2079.0	12/18/96	0000032630	12/16/96
SC-11015-C-EB	LEAD	6.70		2.00	UG/L	N/A	N/A	*	EPA CLP	GROUNDWATER	METALS	1	12L746005		WS2030.0	1/2/97	0000032628	12/16/96
SC-11015-C-FR	LEAD	10.90		0.20	UG/G	12.7%	N/A	*	EPA CLP	SOIL	METALS	1	13152019		QT2079.0	12/18/96	0000032633	12/16/96
SC-11015-C-MS	LEAD	127.00		0.20	UG/G	N/A	N/A	*	EPA CLP	SOIL	METALS	1	13152018MS		QT2079.0	12/18/96	0000032632	12/16/96
SC-11015-C-SD	LEAD	10.30		0.61	UG/G	7.0%	N/A	*	EPA 7421	SOIL	METALS	1	12L746006		WS2030.0	12/29/96	0000032629	12/16/96
SC-11104-S	LEAD	19.70		0.20	UG/G	N/A	N/A	*	EPA CLP	SOIL	METALS	1	13104006		QT2074.0	12/13/96	0000025962	12/11/96
SC-11104-S-DU	LEAD	42.90		0.20	UG/G	74.1%	N/A	*	EPA CLP	SOIL	METALS	1	13104006DU		QT2074.0	12/13/96	0000032450	12/11/96
SC-11104-S-EB	LEAD	4.40		2.00	UG/L	N/A	N/A	*	EPA CLP	GROUNDWATER	METALS	1	12L668003		WS2029.0	12/28/96	0000032454	12/10/96
SC-11104-S-FR	LEAD	42.60		0.19	UG/G	73.3%	N/A	*	EPA CLP	SOIL	METALS	1	13104007		QT2074.0	12/13/96	0000032448	12/11/96
SC-11104-S-MS	LEAD	129.00		0.20	UG/G	N/A	N/A	*	EPA CLP	SOIL	METALS	1	13104006MS		QT2074.0	12/13/96	0000032449	12/11/96
SC-11104-S-SD	LEAD	31.50		0.47	UG/G	46.1%	N/A	*	EPA CLP	SOIL	METALS	1	12L668004		WS2029.0	12/24/96	0000032447	12/11/96
SC-12103-S-MS	LEAD	34.80		0.64	UG/G	N/A	N/A	*	EPA CLP	SOIL	METALS	1	970102907A		MX0062.0	1/22/97		1/20/97
SC-12110-S	LEAD	29.60		0.64	UG/G	N/A	N/A	*	EPA CLP	SOIL	METALS	1	970102907A	*	MX0062.0	1/22/97	0000026360	1/20/97
SC-12110-S-DU	LEAD	12.00		0.64	UG/G	84.6%	N/A	*	EPA CLP	SOIL	METALS	1	970102907A	*	MX0062.0	1/22/97	0000033069	1/20/97
SC-12110-S-EB	LEAD	2.10		1.40	UG/L	N/A	N/A	*	6010A	SURFACE WATER	METALS	1	9701433-01	B	GE2024.0	2/18/97	0000033303	1/20/97
SC-12110-S-FR	LEAD	29.50		0.78	UG/G	0.3%	N/A	*	EPA CLP	SOIL	METALS	1	970102908A	*	MX0062.0	1/22/97	0000033068	1/20/97
SC-12110-S-SD	LEAD	7.60		0.37	UG/G	118.3%	N/A	*	6010A	SOIL	METALS	1	9701433-02	N	GE2024.0	2/17/97	0000033304	1/20/97
SC-12115-S	LEAD	13.10		0.79	UG/G	N/A	N/A	*	EPA CLP	SOIL	METALS	1	970103001A		MX0063.0	1/22/97	0000026368	1/20/97
SC-12115-S-DU	LEAD	15.90		0.79	UG/G	19.3%	N/A	*	EPA CLP	SOIL	METALS	1	970103001A		MX0063.0	1/22/97	0000032660	1/20/97
SC-12115-S-EB	LEAD	ND		1.40	UG/L	N/A	N/A	*	6010A	SURFACE WATER	METALS	1	9701433-03	U	GE2024.0	2/13/97	0000033305	1/20/97
SC-12115-S-FR	LEAD	6.90		0.75	UG/G	62.0%	N/A	*	EPA CLP	SOIL	METALS	1	970103002A		MX0063.0	1/22/97	0000032657	1/20/97
SC-12115-S-MS	LEAD	17.60		0.79	UG/G	N/A	N/A	*	EPA CLP	SOIL	METALS	1	970103001A		MX0063.0	1/22/97	0000032658	1/20/97
SC-12115-S-SD	LEAD	15.10		0.36	UG/G	14.2%	N/A	*	6010A	SOIL	METALS	1	9701433-04	N	GE2024.0	2/17/97	0000033306	1/20/97
SC-12215-S	LEAD	12.00		0.82	UG/G	N/A	N/A	*	EPA CLP	SOIL	METALS	1	970103108A	N*	MX0064.0	1/22/97	0000026396	1/20/97
SC-12215-S-DU	LEAD	9.20		0.82	UG/G	26.4%	N/A	*	EPA CLP	SOIL	METALS	1	970103108A	*	MX0064.0	1/22/97	0000033300	1/20/97
SC-12215-S-EB	LEAD	ND		1.40	UG/L	N/A	N/A	*	6010A	SURFACE WATER	METALS	1	9701433-05	U	GE2024.0	2/13/97	0000033307	1/20/97
SC-12215-S-FR	LEAD	22.00		0.87	UG/G	58.6%	N/A	*	EPA CLP	SOIL	METALS	1	970103109A	N*	MX0064.0	1/22/97	0000033299	1/20/97
SC-12215-S-MS	LEAD	16.70		0.82	UG/G	N/A	N/A	*	EPA CLP	SOIL	METALS	1	970103108A	N	MX0064.0	1/22/97	0000033297	1/20/97
SC-12215-S-SD	LEAD	13.70		0.35	UG/G	13.2%	N/A	*	6010A	SOIL	METALS	1	9701433-06	N	GE2024.0	2/17/97	0000033308	1/20/97
SC-12223-S	LEAD	10.20		0.77	UG/G	N/A	N/A	*	EPA CLP	SOIL	METALS	1	970103204A	*	MX0065.0	1/23/97	0000026407	1/20/97
SC-12223-S-DU	LEAD	12.50		0.77	UG/G	20.3%	N/A	*	EPA CLP	SOIL	METALS	1	970103204A	*	MX0065.0	1/23/97	0000033072	1/20/97
SC-12223-S-EB	LEAD	ND		1.40	UG/L	N/A	N/A	*	6010A	SURFACE WATER	METALS	1	9701433-07	U	GE2024.0	2/13/97	0000033309	1/20/97

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WSSRAP ID	PARAMETER	CONC	ERR	DL	UNITS	RPD	DER	VAL QUAL	METHOD	MATRIX	CATEGORY	DIL	LAB ID	LAB QUAL	LAB REQU	DATE ANA	SAMPLINK	DATE SAM
SC-12223-S-FR	LEAD	9.70		0.76	UG/G	5.0%	N/A	*	EPA CLP	SOIL	METALS	1	970103205A	*	MX0065.0	1/23/97	0000033074	1/20/97
SC-12223-S-MS	LEAD	16.20		0.77	UG/G	N/A	N/A	*	EPA CLP	SOIL	METALS	1	970103204A		MX0065.0	1/23/97	0000033071	1/20/97
SC-12223-S-SD	LEAD	7.50		0.35	UG/G	30.5%	N/A	*	6010A	SOIL	METALS	1	9701433-03	N	GE2024.0	2/17/97	0000033310	1/20/97
SC-09508-S	RADIUM-226	1.37	0.13	0.46	PCI/G	N/A	N/A	*	HASL300	SOIL	RADIOCHEMICAL	1	WSC3951		WP0152.0	11/11/96	0000025496	10/1/96
SC-09508-S-DU	RADIUM-226	1.35	0.13	0.45	PCI/G	NOTE 1	NOTE 1	*	HASL300	SOIL	RADIOCHEMICAL	1	WSC3951DU		WP0152.0	11/11/96	0000030412	10/1/96
SC-09508-S-FR	RADIUM-226	1.57	0.10	0.32	PCI/G	NOTE 1	NOTE 1	*	HASL300	SOIL	RADIOCHEMICAL	1	WSC3952		WP0152.0	11/11/96	0000030443	10/1/96
SC-09508-S-SD	RADIUM-226	2.02	0.82	0.70	PCI/G	NOTE 1	NOTE 1	J	EPA 903.1	SOIL	RADIOCHEMICAL	1	9610260-01		GE2010.0	10/22/96	0000030437	10/1/96
SC-09819-S	RADIUM-226	1.06	0.09	0.31	PCI/G	N/A	N/A	*	HASL300	SOIL	RADIOCHEMICAL	1	WSC4248		WP0167.0	11/19/96	0000025565	10/10/96
SC-09819-S-DU	RADIUM-226	1.19	0.09	0.25	PCI/G	NOTE 1	NOTE 1	*	HASL300	SOIL	RADIOCHEMICAL	1	WSC4248DU		WP0167.0	11/19/96	0000030683	10/10/96
SC-09819-S-EB	RADIUM-226	-0.37	0.34	0.46	PCI/L	N/A	N/A	U	EPA 903.1	SURFACE WATER	RADIOCHEMICAL	1	9610330-07	U	GE2014.0	10/21/96	0000030689	10/10/96
SC-09819-S-FR	RADIUM-226	1.04	0.10	0.26	PCI/G	NOTE 1	NOTE 1	*	HASL300	SOIL	RADIOCHEMICAL	1	WSC4249		WP0167.0	11/19/96	0000030685	10/10/96
SC-09819-S-SD	RADIUM-226	0.95	0.16	0.08	PCI/G	NOTE 1	NOTE 1	*	HASL 300	SOIL	RADIOCHEMICAL	1	9610440-01	J	GE2015.0	11/11/96	0000030684	10/10/96
SC-09905-S	RADIUM-226	1.11	0.09	0.23	PCI/G	N/A	N/A	*	HASL300	SOIL	RADIOCHEMICAL	1	WSC4105		WP0157.0	11/17/96	0000025667	10/7/96
SC-09905-S-DU	RADIUM-226	1.15	0.10	0.37	PCI/G	NOTE 1	NOTE 1	*	HASL300	SOIL	RADIOCHEMICAL	1	WSC4105DU		WP0157.0	11/17/96	0000030569	10/7/96
SC-09905-S-EB	RADIUM-226	-0.06	0.20	0.43	PCI/L	N/A	N/A	UJ	EPA 903.1	SURFACE WATER	RADIOCHEMICAL	1	9610260-02	U	GE2010.0	10/15/96	0000030583	10/7/96
SC-09905-S-FR	RADIUM-226	1.26	0.10	0.31	PCI/G	NOTE 1	NOTE 1	*	HASL300	SOIL	RADIOCHEMICAL	1	WSC4106		WP0157.0	11/17/96	0000030571	10/7/96
SC-09905-S-SD	RADIUM-226	19.80	2.34	0.20	PCI/G	NOTE 1	NOTE 1	A	EPA 903.1	SOIL	RADIOCHEMICAL	1	9610260-03		GE2010.0	10/22/96	0000030584	10/7/96
SC-09906-S	RADIUM-226	1.15	0.12	0.31	PCI/G	N/A	N/A	*	HASL300	SOIL	RADIOCHEMICAL	1	WSC4107		WP0157.0	11/17/96	0000030572	10/7/96
SC-09906-S-DU	RADIUM-226	1.18	0.14	0.44	PCI/G	NOTE 1	NOTE 1	*	HASL300	SOIL	RADIOCHEMICAL	1	WSC4107DU		WP0157.0	11/17/96	0000030588	10/7/96
SC-09906-S-EB	RADIUM-226	0.63	0.47	0.44	PCI/L	N/A	N/A	J	EPA 903.1	SURFACE WATER	RADIOCHEMICAL	1	9610260-04		GE2010.0	10/15/96	0000030585	10/7/96
SC-09906-S-FR	RADIUM-226	1.09	0.09	0.25	PCI/G	NOTE 1	NOTE 1	*	HASL300	SOIL	RADIOCHEMICAL	1	WSC4108		WP0157.0	11/17/96	0000030590	10/7/96
SC-09906-S-SD	RADIUM-226	1.56	0.72	0.67	PCI/G	NOTE 1	NOTE 1	J	EPA 903.1	SOIL	RADIOCHEMICAL	1	9610260-05		GE2010.0	10/22/96	0000030586	10/7/96
SC-10403-C	RADIUM-226	1.33	0.10	0.31	PCI/G	N/A	N/A	*	HASL300	SOIL	RADIOCHEMICAL	1	WSC4157		WP0160.0	11/18/96	0000025789	10/8/96
SC-10403-C-DU	RADIUM-226	1.38	0.10	0.27	PCI/G	NOTE 1	NOTE 1	*	HASL300	SOIL	RADIOCHEMICAL	1	WSC4157DU		WP0160.0	11/18/96	0000030642	10/8/96
SC-10403-C-EB	RADIUM-226	0.36	0.28	0.34	PCI/L	N/A	N/A	*	EPA 903.1	SURFACE WATER	RADIOCHEMICAL	1	9610283-05	J	GE2011.0	10/21/96	0000030643	10/8/96
SC-10403-C-FR	RADIUM-226	1.53	0.10	0.29	PCI/G	NOTE 1	NOTE 1	*	HASL300	SOIL	RADIOCHEMICAL	1	WSC4158		WP0160.0	11/18/96	0000030644	10/8/96
SC-10403-C-SD	RADIUM-226	1.14	0.19	0.07	PCI/G	NOTE 1	NOTE 1	*	HASL 300	SOIL	RADIOCHEMICAL	1	9610282-03		GE2012.0	11/11/96	0000030647	10/8/96
SC-10421-C	RADIUM-226	1.26	0.10	0.24	PCI/G	N/A	N/A	*	HASL300	SOIL	RADIOCHEMICAL	1	WSC4178		WP0161.0	11/19/96	0000025809	10/8/96
SC-10421-C-DU	RADIUM-226	0.82	0.11	0.33	PCI/G	NOTE 1	NOTE 1	*	HASL300	SOIL	RADIOCHEMICAL	1	WSC4178DU		WP0161.0	11/19/96	0000030636	10/8/96
SC-10421-C-EB	RADIUM-226	0.76	0.40	0.39	PCI/L	N/A	N/A	*	EPA 903.1	SURFACE WATER	RADIOCHEMICAL	1	9610283-07		GE2011.0	10/21/96	0000030637	10/8/96
SC-10421-C-FR	RADIUM-226	1.22	0.10	0.35	PCI/G	NOTE 1	NOTE 1	*	HASL300	SOIL	RADIOCHEMICAL	1	WSC4179		WP0161.0	11/19/96	0000030638	10/8/96
SC-10421-C-SD	RADIUM-226	0.95	0.19	0.11	PCI/G	28.4%	1.08	*	HASL 300	SOIL	RADIOCHEMICAL	1	9610282-04	J	GE2012.0	11/11/96	0000030641	10/8/96
SC-10910-S	RADIUM-226	1.02	0.12	0.36	PCI/G	N/A	N/A	*	HASL300	SOIL	RADIOCHEMICAL	1	WSC5136		WP0236.0	1/22/97	0000025936	12/16/96
SC-10910-S-DU	RADIUM-226	1.12	0.12	0.39	PCI/G	NOTE 1	NOTE 1	*	HASL300	SOIL	RADIOCHEMICAL	1	WSC5136DU		WP0236.0	1/22/97	0000032617	12/16/96
SC-10910-S-EB	RADIUM-226	0.37	0.28	0.82	PCI/L	N/A	N/A	*	EPA 903.0	GROUNDWATER	RADIOCHEMICAL	1	9612066-04	J	TU0075.0	12/23/96	0000032620	12/16/96
SC-10910-S-FR	RADIUM-226	1.07	0.09	0.26	PCI/G	NOTE 1	NOTE 1	*	HASL300	SOIL	RADIOCHEMICAL	1	WSC5137		WP0236.0	1/22/97	0000032615	12/16/96
SC-10910-S-SD	RADIUM-226	0.17	0.10	0.08	PCI/G	NOTE 1	NOTE 1	*	EPA 903.0	SOIL	RADIOCHEMICAL	1	9612065-04	J	TU0074.0	12/23/96	0000032619	12/16/96
SC-11009-S	RADIUM-226	1.34	0.12	0.38	PCI/G	N/A	N/A	*	HASL300	SOIL	RADIOCHEMICAL	1	WSC5109		WP0235.0	1/21/97	0000025986	12/16/96
SC-11009-S-DU	RADIUM-226	1.03	0.12	0.43	PCI/G	NOTE 1	NOTE 1	*	HASL300	SOIL	RADIOCHEMICAL	1	WSC5109DU		WP0235.0	1/21/97	0000032623	12/16/96
SC-11009-S-EB	RADIUM-226	0.38	0.28	0.24	PCI/L	N/A	N/A	*	EPA 903.0	GROUNDWATER	RADIOCHEMICAL	1	9612066-05	J	TU0075.0	12/23/96	0000032626	12/16/96
SC-11009-S-FR	RADIUM-226	1.07	0.09	0.27	PCI/G	NOTE 1	NOTE 1	*	HASL300	SOIL	RADIOCHEMICAL	1	WSC5110		WP0235.0	1/21/97	0000032622	12/16/96
SC-11009-S-SD	RADIUM-226	0.21	0.11	0.08	PCI/G	NOTE 1	NOTE 1	*	EPA 903.0	SOIL	RADIOCHEMICAL	1	9612065-05		TU0074.0	12/23/96	0000032627	12/16/96
SC-11015-C	RADIUM-226	1.13	0.09	0.38	PCI/G	N/A	N/A	*	HASL300	SOIL	RADIOCHEMICAL	1	WSC5116		WP0235.0	1/21/97	0000025975	12/16/96
SC-11015-C-DU	RADIUM-226	1.23	0.10	0.28	PCI/G	NOTE 1	NOTE 1	*	HASL300	SOIL	RADIOCHEMICAL	1	WSC5116DU		WP0235.0	1/21/97	0000032630	12/16/96
SC-11015-C-EB	RADIUM-226	-0.32	0.37	0.74	PCI/L	N/A	N/A	*	EPA 903.0	GROUNDWATER	RADIOCHEMICAL	1	9612066-06	U	TU0075.0	12/23/96	0000032628	12/16/96
SC-11015-C-FR	RADIUM-226	1.12	0.12	0.42	PCI/G	NOTE 1	NOTE 1	*	HASL300	SOIL	RADIOCHEMICAL	1	WSC5117		WP0235.0	1/21/97	0000032633	12/16/96
SC-11015-C-SD	RADIUM-226	0.19	0.10	0.04	PCI/G	NOTE 1	NOTE 1	*	EPA 903.0	SOIL	RADIOCHEMICAL	1	9612065-06		TU0074.0	12/23/96	0000032629	12/16/96
SC-11104-S	RADIUM-226	1.48	0.11	0.34	PCI/G	N/A	N/A	*	HASL300	SOIL	RADIOCHEMICAL	1	WSC5058		WP0231.0	1/16/97	0000025962	12/11/96
SC-11104-S-DU	RADIUM-226	1.43	0.10	0.31	PCI/G	NOTE 1	NOTE 1	*	HASL300	SOIL	RADIOCHEMICAL	1	WSC5058DU		WP0231.0	1/16/97	0000032450	12/11/96
SC-11104-S-FR	RADIUM-226	1.45	0.14	0.50	PCI/G	NOTE 1	NOTE 1	*	HASL300	SOIL	RADIOCHEMICAL	1	WSC5059		WP0231.0	1/16/97	0000032448	12/11/96
SC-11104-S-SD	RADIUM-226	0.20	0.13	0.17	PCI/G	NOTE 1	NOTE 1	*	EPA 903.0	SOIL	RADIOCHEMICAL	1	9612052-05	J	TU0067.0	12/17/96	0000032447	12/11/96
SC-11512-S	RADIUM-226	1.14	0.08	0.19	PCI/G	N/A	N/A	*	HASL300	SOIL	RADIOCHEMICAL	1	WSC5369		WP0264.0	3/24/97	0000026097	2/11/97

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WSSRAP ID	PARAMETER	CONC	ERR	DL	UNITS	RPD	DER	VAL QUAL	METHOD	MATRIX	CATEGORY	DIL	LAB ID	LAB QUAL	LAB REQU	DATE ANA	SAMPLINK	DATE SAM
SC-11612-S-DU	RADIUM-226	0.92	0.08	0.27	PCI/G	NOTE 1	NOTE 1	*	HASL300	SOIL	RADIOCHEMICAL	1	WSC5369DU		WP0264.0	3/24/97	0000033053	2/11/97
SC-11612-S-FR	RADIUM-226	1.39	0.12	0.30	PCI/G	NOTE 1	NOTE 1	*	HASL300	SOIL	RADIOCHEMICAL	1	WSC5370		WP0264.0	3/24/97	0000033052	2/11/97
SC-12110-S	RADIUM-226	1.41	0.10	0.29	PCI/G	N/A	N/A	*	HASL300	SOIL	RADIOCHEMICAL	1	WSC5180		WP0251.0	2/25/97	0000026360	1/20/97
SC-12110-S-DU	RADIUM-226	1.44	0.10	0.27	PCI/G	NOTE 1	NOTE 1	*	HASL300	SOIL	RADIOCHEMICAL	1	WSC5180DU		WP0251.0	2/25/97	0000033069	1/20/97
SC-12110-S-EB	RADIUM-226	0.65	0.42	0.45	PCI/L	N/A	N/A	*	EPA 903.1	SURFACE WATER	RADIOCHEMICAL	1	9701433-01		GE2024.0	2/18/97	0000033303	1/20/97
SC-12110-S-FR	RADIUM-226	1.23	0.09	0.26	PCI/G	NOTE 1	NOTE 1	*	HASL300	SOIL	RADIOCHEMICAL	1	WSC5181		WP0251.0	2/25/97	0000033068	1/20/97
SC-12110-S-SD	RADIUM-226	2.95	0.75	0.44	PCI/G	NOTE 1	NOTE 1	*	EPA 903.1	SOIL	RADIOCHEMICAL	1	9701433-02		GE2024.0	2/14/97	0000033304	1/20/97
SC-12115-S	RADIUM-226	0.95	0.09	0.33	PCI/G	N/A	N/A	*	HASL300	SOIL	RADIOCHEMICAL	1	WSC5185		WP0252.0	2/25/97	0000026366	1/20/97
SC-12115-S-DU	RADIUM-226	0.96	0.09	0.26	PCI/G	NOTE 1	NOTE 1	*	HASL300	SOIL	RADIOCHEMICAL	1	WSC5185DU		WP0252.0	2/26/97	0000032660	1/20/97
SC-12115-S-EB	RADIUM-226	-0.08	0.21	0.40	PCI/L	N/A	N/A	*	EPA 903.1	SURFACE WATER	RADIOCHEMICAL	1	9701433-03	U	GE2024.0	2/19/97	0000033305	1/20/97
SC-12115-S-FR	RADIUM-226	1.03	0.11	0.11	PCI/G	NOTE 1	NOTE 1	*	HASL300	SOIL	RADIOCHEMICAL	1	WSC5186		WP0252.0	2/26/97	0000032657	1/20/97
SC-12115-S-SD	RADIUM-226	1.12	0.40	0.10	PCI/G	NOTE 1	NOTE 1	*	EPA 903.1	SOIL	RADIOCHEMICAL	1	9701433-04		GE2024.0	2/14/97	0000033306	1/20/97
SC-12215-S	RADIUM-226	1.05	0.09	0.28	PCI/G	N/A	N/A	*	HASL300	SOIL	RADIOCHEMICAL	1	WSC5210		WP0253.0	2/26/97	0000026396	1/20/97
SC-12215-S-DU	RADIUM-226	1.09	0.09	0.27	PCI/G	NOTE 1	NOTE 1	*	HASL300	SOIL	RADIOCHEMICAL	1	WSC5210DU		WP0253.0	2/26/97	0000033300	1/20/97
SC-12215-S-EB	RADIUM-226	-0.33	0.30	0.40	PCI/L	N/A	N/A	*	EPA 903.1	SURFACE WATER	RADIOCHEMICAL	1	9701433-05	U	GE2024.0	2/19/97	0000033307	1/20/97
SC-12215-S-FR	RADIUM-226	1.05	0.11	0.31	PCI/G	NOTE 1	NOTE 1	*	HASL300	SOIL	RADIOCHEMICAL	1	WSC5211		WP0253.0	2/26/97	0000033299	1/20/97
SC-12215-S-SD	RADIUM-226	1.29	0.40	0.09	PCI/G	NOTE 1	NOTE 1	*	EPA 903.1	SOIL	RADIOCHEMICAL	1	9701433-06		GE2024.0	2/14/97	0000033308	1/20/97
SC-12223-S	RADIUM-226	1.06	0.09	0.29	PCI/G	N/A	N/A	*	HASL300	SOIL	RADIOCHEMICAL	1	WSC5218		WP0254.0	2/25/97	0000026407	1/20/97
SC-12223-S-DU	RADIUM-226	1.09	0.09	0.30	PCI/G	NOTE 1	NOTE 1	*	HASL300	SOIL	RADIOCHEMICAL	1	WSC5218DU		WP0254.0	2/25/97		1/20/97
SC-12223-S-EB	RADIUM-226	-0.09	0.12	0.12	PCI/L	N/A	N/A	*	EPA 903.1	SURFACE WATER	RADIOCHEMICAL	1	9701433-07	U	GE2024.0	2/19/97	0000033309	1/20/97
SC-12223-S-FR	RADIUM-226	1.13	0.12	0.33	PCI/G	NOTE 1	NOTE 1	*	HASL300	SOIL	RADIOCHEMICAL	1	WSC5219		WP0254.0	2/25/97	0000033074	1/20/97
SC-12223-S-SD	RADIUM-226	0.77	0.37	0.36	PCI/G	NOTE 1	NOTE 1	*	EPA 903.1	SOIL	RADIOCHEMICAL	1	9701433-08	J	GE2024.0	2/14/97	0000033310	1/20/97
SC-14211-S	RADIUM-226	1.34	0.09	0.30	PCI/G	N/A	N/A	*	HASL300	SOIL	RADIOCHEMICAL	1	WSC5457		WP0269.0	3/24/97	0000033650	2/17/97
SC-14211-S-DU	RADIUM-226	1.15	0.09	0.26	PCI/G	NOTE 1	NOTE 1	*	HASL300	SOIL	RADIOCHEMICAL	1	WSC5457DU		WP0269.0	3/27/97	0000033689	2/17/97
SC-14211-S-FR	RADIUM-226	1.49	0.13	0.29	PCI/G	NOTE 1	NOTE 1	*	HASL300	SOIL	RADIOCHEMICAL	1	WSC5458		WP0269.0	3/24/97	0000033668	2/17/97
SC-09508-S	RADIUM-226	ND		1.16	PCI/G	N/A	N/A	*	HASL300	SOIL	RADIOCHEMICAL	1	WSC3951		WP0152.0	11/11/96	0000025496	10/1/96
SC-09508-S-DU	RADIUM-226	1.32	0.19	0.53	PCI/G	NOTE 1	NOTE 1	*	HASL300	SOIL	RADIOCHEMICAL	1	WSC3951DU		WP0152.0	11/11/96	0000030412	10/1/96
SC-09508-S-FR	RADIUM-226	1.06	0.13	0.44	PCI/G	NOTE 1	NOTE 1	*	HASL300	SOIL	RADIOCHEMICAL	1	WSC3952		WP0152.0	11/11/96	0000030443	10/1/96
SC-09508-S-SD	RADIUM-226	3.03	0.46	0.67	PCI/G	NOTE 1	NOTE 1	J	EPA 904.0	SOIL	RADIOCHEMICAL	1	9610260-01	B	GE2010.0	10/16/96	0000030437	10/1/96
SC-09819-S	RADIUM-226	1.41	0.14	0.42	PCI/G	N/A	N/A	*	HASL300	SOIL	RADIOCHEMICAL	1	WSC4246		WP0167.0	11/19/96	0000025565	10/10/96
SC-09819-S-DU	RADIUM-226	1.42	0.13	0.43	PCI/G	NOTE 1	NOTE 1	*	HASL300	SOIL	RADIOCHEMICAL	1	WSC4246DU		WP0167.0	11/19/96	0000030686	10/10/96
SC-09819-S-EB	RADIUM-226	2.84	0.36	0.47	PCI/L	N/A	N/A	J	EPA 904.0	SURFACE WATER	RADIOCHEMICAL	1	9610330-07		GE2014.0	10/19/96	0000030689	10/10/96
SC-09819-S-FR	RADIUM-226	1.42	0.19	0.56	PCI/G	NOTE 1	NOTE 1	*	HASL300	SOIL	RADIOCHEMICAL	1	WSC4249		WP0167.0	11/19/96	0000030685	10/10/96
SC-09819-S-SD	RADIUM-226	1.21	0.20	0.13	PCI/G	NOTE 1	NOTE 1	J	HASL 300	SOIL	RADIOCHEMICAL	1	9610330-08		GE2014.0	10/17/96	0000030684	10/10/96
SC-09905-S	RADIUM-226	1.17	0.13	0.37	PCI/G	N/A	N/A	*	HASL300	SOIL	RADIOCHEMICAL	1	WSC4105		WP0157.0	11/17/96	0000025667	10/7/96
SC-09905-S-DU	RADIUM-226	1.20	0.13	0.42	PCI/G	NOTE 1	NOTE 1	*	HASL300	SOIL	RADIOCHEMICAL	1	WSC4105DU		WP0157.0	11/17/96	0000030589	10/7/96
SC-09905-S-EB	RADIUM-226	-0.66	0.44	0.73	PCI/L	N/A	N/A	U	EPA 904.0	SURFACE WATER	RADIOCHEMICAL	1	9610260-02	U	GE2010.0	10/14/96	0000030583	10/7/96
SC-09905-S-FR	RADIUM-226	1.48	0.14	0.50	PCI/G	NOTE 1	NOTE 1	*	HASL300	SOIL	RADIOCHEMICAL	1	WSC4106		WP0157.0	11/17/96	0000030571	10/7/96
SC-09905-S-SD	RADIUM-226	0.82	0.28	0.45	PCI/G	NOTE 1	NOTE 1	J	EPA 904.0	SOIL	RADIOCHEMICAL	1	9610260-03	J	GE2010.0	10/17/96	0000030584	10/7/96
SC-09906-S	RADIUM-226	1.41	0.19	0.59	PCI/G	N/A	N/A	*	HASL300	SOIL	RADIOCHEMICAL	1	WSC4107		WP0157.0	11/17/96	0000030572	10/7/96
SC-09906-S-DU	RADIUM-226	1.44	0.20	0.56	PCI/G	NOTE 1	NOTE 1	*	HASL300	SOIL	RADIOCHEMICAL	1	WSC4107DU		WP0157.0	11/17/96	0000030588	10/7/96
SC-09906-S-EB	RADIUM-226	ND	0.43	0.76	PCI/L	N/A	N/A	U	EPA 904.0	SURFACE WATER	RADIOCHEMICAL	1	9610260-04	U	GE2010.0	10/14/96	0000030585	10/7/96
SC-09906-S-FR	RADIUM-226	1.33	0.13	0.38	PCI/G	NOTE 1	NOTE 1	*	HASL300	SOIL	RADIOCHEMICAL	1	WSC4108		WP0157.0	11/17/96	0000030590	10/7/96
SC-09906-S-SD	RADIUM-226	2.29	0.33	0.46	PCI/G	NOTE 1	NOTE 1	J	EPA 904.0	SOIL	RADIOCHEMICAL	1	9610260-05		GE2010.0	10/16/96	0000030586	10/7/96
SC-10403-C	RADIUM-226	1.14	0.12	0.44	PCI/G	N/A	N/A	*	HASL300	SOIL	RADIOCHEMICAL	1	WSC4157		WP0160.0	11/18/96	0000025789	10/8/96
SC-10403-C-DU	RADIUM-226	1.39	0.13	0.41	PCI/G	NOTE 1	NOTE 1	*	HASL300	SOIL	RADIOCHEMICAL	1	WSC4157DU		WP0160.0	11/18/96	0000030642	10/8/96
SC-10403-C-EB	RADIUM-226	ND	0.63	1.19	PCI/L	N/A	N/A	*	EPA 904.0	SURFACE WATER	RADIOCHEMICAL	1	9610283-05	U	GE2011.0	10/27/96	0000030643	10/8/96
SC-10403-C-FR	RADIUM-226	1.26	0.13	0.47	PCI/G	NOTE 1	NOTE 1	*	HASL300	SOIL	RADIOCHEMICAL	1	WSC4158		WP0160.0	11/18/96	0000030644	10/8/96
SC-10403-C-SD	RADIUM-226	ND	0.00	0.69	PCI/G	NOTE 1	NOTE 1	*	HASL 300	SOIL	RADIOCHEMICAL	1	9610283-06	U	GE2011.0	10/18/96	0000030647	10/8/96
SC-10421-C	RADIUM-226	1.33	0.14	0.49	PCI/G	N/A	N/A	*	HASL300	SOIL	RADIOCHEMICAL	1	WSC4178		WP0161.0	11/19/96	0000025809	10/8/96
SC-10421-C-DU	RADIUM-226	1.54	0.16	0.38	PCI/G	NOTE 1	NOTE 1	*	HASL300	SOIL	RADIOCHEMICAL	1	WSC4178DU		WP0161.0	11/19/96	0000030636	10/8/96
SC-10421-C-EB	RADIUM-226	ND	0.74	1.36	PCI/L	N/A	N/A	*	EPA 904.0	SURFACE WATER	RADIOCHEMICAL	1	9610283-07	U	GE2011.0	10/27/96	0000030637	10/8/96

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WSSRAP ID	PARAMETER	CONC	ERR	DL	UNITS	RPD	DER	VAL QUAL	METHOD	MATRIX	CATEGORY	DIL	LAB ID	LAB QUAL	LAB REQU	DATE ANA	SAMPLINK	DATE SAM
SC-10421-C-FR	RADIUM-228	1.17	0.13	0.52	PCI/G	NOTE 1	NOTE 1	*	HASL300	SOIL	RADIOCHEMICAL	1	WSC4179		WP0161.0	11/19/96	0000030638	10/8/96
SC-10421-C-SD	RADIUM-228	1.24	0.36	0.21	PCI/G	NOTE 1	NOTE 1	*	HASL 300	SOIL	RADIOCHEMICAL	1	9610283-08		GE2011.0	10/18/96	0000030641	10/8/96
SC-10910-S	RADIUM-228	1.48	0.19	0.54	PCI/G	N/A	N/A	*	HASL300	SOIL	RADIOCHEMICAL	1	WSC5136		WP0236.0	1/22/97	0000025936	12/16/96
SC-10910-S-DU	RADIUM-228	1.25	0.17	0.47	PCI/G	NOTE 1	NOTE 1	*	HASL300	SOIL	RADIOCHEMICAL	1	WSC5136DU		WP0236.0	1/22/97	0000032617	12/16/96
SC-10910-S-EB	RADIUM-228	-0.36	1.52	3.73	PCI/L	N/A	N/A	*	EPA 904.0	GROUNDWATER	RADIOCHEMICAL	1	9612066-04	U	TU0075.0	12/30/96	0000032620	12/16/96
SC-10910-S-FR	RADIUM-228	1.57	0.14	0.14	PCI/G	NOTE 1	NOTE 1	*	HASL300	SOIL	RADIOCHEMICAL	1	WSC5137		WP0236.0	1/22/97	0000032615	12/16/96
SC-10910-S-SD	RADIUM-228	1.17	0.59	1.20	PCI/G	NOTE 1	NOTE 1	*	EPA 904.0	SOIL	RADIOCHEMICAL	1	9612065-04	J	TU0074.0	12/27/96	0000032619	12/16/96
SC-11009-S	RADIUM-228	1.49	0.20	0.82	PCI/G	N/A	N/A	*	HASL300	SOIL	RADIOCHEMICAL	1	WSC5109		WP0235.0	1/21/97	0000025966	12/16/96
SC-11009-S-DU	RADIUM-228	1.67	0.19	0.65	PCI/G	NOTE 1	NOTE 1	*	HASL300	SOIL	RADIOCHEMICAL	1	WSC5109DU		WP0235.0	1/21/97	0000032623	12/16/96
SC-11009-S-EB	RADIUM-228	-1.23	1.35	3.09	PCI/L	N/A	N/A	*	EPA 904.0	GROUNDWATER	RADIOCHEMICAL	1	9612066-05	U	TU0075.0	12/30/96	0000032626	12/16/96
SC-11009-S-FR	RADIUM-228	1.22	0.13	0.43	PCI/G	NOTE 1	NOTE 1	*	HASL300	SOIL	RADIOCHEMICAL	1	WSC5110		WP0235.0	1/21/97	0000032622	12/16/96
SC-11009-S-SD	RADIUM-228	2.08	0.66	1.19	PCI/G	NOTE 1	NOTE 1	*	EPA 904.0	SOIL	RADIOCHEMICAL	1	9612065-05		TU0074.0	12/27/96	0000032627	12/16/96
SC-11015-C	RADIUM-228	1.23	0.13	0.45	PCI/G	N/A	N/A	*	HASL300	SOIL	RADIOCHEMICAL	1	WSC5116		WP0235.0	1/21/97	0000025975	12/16/96
SC-11015-C-DU	RADIUM-228	1.29	0.13	0.39	PCI/G	NOTE 1	NOTE 1	*	HASL300	SOIL	RADIOCHEMICAL	1	WSC5116DU		WP0235.0	1/21/97	0000032630	12/16/96
SC-11015-C-EB	RADIUM-228	ND	1.17	3.00	PCI/L	N/A	N/A	*	EPA 904.0	GROUNDWATER	RADIOCHEMICAL	1	9612066-06	U	TU0075.0	12/30/96	0000032628	12/16/96
SC-11015-C-FR	RADIUM-228	1.19	0.16	0.43	PCI/G	NOTE 1	NOTE 1	*	HASL300	SOIL	RADIOCHEMICAL	1	WSC5117		WP0235.0	1/21/97	0000032633	12/16/96
SC-11015-C-SD	RADIUM-228	1.06	0.57	1.18	PCI/G	NOTE 1	NOTE 1	*	EPA 904.0	SOIL	RADIOCHEMICAL	1	9612065-06	J	TU0074.0	12/27/96	0000032629	12/16/96
SC-11104-S	RADIUM-228	1.28	0.14	0.51	PCI/G	N/A	N/A	*	HASL300	SOIL	RADIOCHEMICAL	1	WSC5058		WP0231.0	1/16/97	0000025962	12/11/96
SC-11104-S-DU	RADIUM-228	1.34	0.13	0.35	PCI/G	NOTE 1	NOTE 1	*	HASL300	SOIL	RADIOCHEMICAL	1	WSC5058DU		WP0231.0	1/16/97	0000032450	12/11/96
SC-11104-S-FR	RADIUM-228	1.26	0.16	0.53	PCI/G	NOTE 1	NOTE 1	*	HASL300	SOIL	RADIOCHEMICAL	1	WSC5059		WP0231.0	1/16/97	0000032448	12/11/96
SC-11104-S-SD	RADIUM-228	1.33	0.66	1.36	PCI/G	NOTE 1	NOTE 1	*	EPA 904.0	SOIL	RADIOCHEMICAL	1	9612052-05	J	TU0067.0	12/20/96	0000032447	12/11/96
SC-11512-S	RADIUM-228	1.20	0.12	0.34	PCI/G	N/A	N/A	*	HASL300	SOIL	RADIOCHEMICAL	1	WSC5369		WP0284.0	3/24/97	0000026097	2/11/97
SC-11512-S-DU	RADIUM-228	1.26	0.12	0.34	PCI/G	NOTE 1	NOTE 1	*	HASL300	SOIL	RADIOCHEMICAL	1	WSC5369DU		WP0284.0	3/24/97	0000033053	2/11/97
SC-11512-S-FR	RADIUM-228	1.15	0.16	0.24	PCI/G	NOTE 1	NOTE 1	*	HASL300	SOIL	RADIOCHEMICAL	1	WSC5370		WP0284.0	3/24/97	0000033052	2/11/97
SC-12110-S	RADIUM-228	1.27	0.13	0.52	PCI/G	N/A	N/A	*	HASL300	SOIL	RADIOCHEMICAL	1	WSC5180		WP0251.0	2/25/97	0000026360	1/20/97
SC-12110-S-DU	RADIUM-228	1.31	0.13	0.32	PCI/G	NOTE 1	NOTE 1	*	HASL300	SOIL	RADIOCHEMICAL	1	WSC5180DU		WP0251.0	2/25/97	0000033069	1/20/97
SC-12110-S-EB	RADIUM-228	0.95	0.57	0.93	PCI/L	N/A	N/A	*	EPA 904.0	SURFACE WATER	RADIOCHEMICAL	1	9701433-01	J	GE2024.0	1/31/97	0000033303	1/20/97
SC-12110-S-FR	RADIUM-228	1.44	0.14	0.41	PCI/G	NOTE 1	NOTE 1	*	HASL300	SOIL	RADIOCHEMICAL	1	WSC5181		WP0251.0	2/25/97	0000033068	1/20/97
SC-12110-S-SD	RADIUM-228	4.14	0.47	0.66	PCI/G	NOTE 1	NOTE 1	*	EPA 904.0	SOIL	RADIOCHEMICAL	1	9701433-02		GE2024.0	2/17/97	0000033304	1/20/97
SC-12115-S	RADIUM-228	1.38	0.13	0.46	PCI/G	N/A	N/A	*	HASL300	SOIL	RADIOCHEMICAL	1	WSC5185		WP0252.0	2/25/97	0000026366	1/20/97
SC-12115-S-DU	RADIUM-228	1.15	0.14	0.49	PCI/G	NOTE 1	NOTE 1	*	HASL300	SOIL	RADIOCHEMICAL	1	WSC5185DU		WP0252.0	2/26/97	0000032660	1/20/97
SC-12115-S-EB	RADIUM-228	0.93	0.44	0.72	PCI/L	N/A	N/A	*	EPA 904.0	SURFACE WATER	RADIOCHEMICAL	1	9701433-03	J	GE2024.0	1/31/97	0000033305	1/20/97
SC-12115-S-FR	RADIUM-228	1.91	0.21	0.24	PCI/G	NOTE 1	NOTE 1	*	HASL300	SOIL	RADIOCHEMICAL	1	WSC5186		WP0252.0	2/26/97	0000032657	1/20/97
SC-12115-S-SD	RADIUM-228	3.48	0.54	0.81	PCI/G	NOTE 1	NOTE 1	*	EPA 904.0	SOIL	RADIOCHEMICAL	1	9701433-04		GE2024.0	2/17/97	0000033306	1/20/97
SC-12215-S	RADIUM-228	1.19	0.12	0.27	PCI/G	N/A	N/A	*	HASL300	SOIL	RADIOCHEMICAL	1	WSC5210		WP0253.0	2/26/97	0000026396	1/20/97
SC-12215-S-DU	RADIUM-228	1.38	0.13	0.48	PCI/G	NOTE 1	NOTE 1	*	HASL300	SOIL	RADIOCHEMICAL	1	WSC5210DU		WP0253.0	2/26/97	0000033300	1/20/97
SC-12215-S-EB	RADIUM-228	2.57	0.57	0.88	PCI/L	N/A	N/A	*	EPA 904.0	SURFACE WATER	RADIOCHEMICAL	1	9701433-05		GE2024.0	1/31/97	0000033307	1/20/97
SC-12215-S-FR	RADIUM-228	ND		1.29	PCI/G	NOTE 1	NOTE 1	*	HASL300	SOIL	RADIOCHEMICAL	1	WSC5211		WP0253.0	2/26/97	0000033299	1/20/97
SC-12215-S-SD	RADIUM-228	3.24	0.50	0.72	PCI/G	NOTE 1	NOTE 1	*	EPA 904.0	SOIL	RADIOCHEMICAL	1	9701433-06		GE2024.0	2/17/97	0000033308	1/20/97
SC-12223-S	RADIUM-228	1.14	0.13	0.45	PCI/G	N/A	N/A	*	HASL300	SOIL	RADIOCHEMICAL	1	WSC5218		WP0254.0	2/25/97	0000026407	1/20/97
SC-12223-S-DU	RADIUM-228	1.37	0.13	0.33	PCI/G	NOTE 1	NOTE 1	*	HASL300	SOIL	RADIOCHEMICAL	1	WSC5218DU		WP0254.0	2/25/97		1/20/97
SC-12223-S-EB	RADIUM-228	ND	0.32	0.59	PCI/L	N/A	N/A	*	EPA 904.0	SURFACE WATER	RADIOCHEMICAL	1	9701433-07	U	GE2024.0	1/31/97	0000033309	1/20/97
SC-12223-S-FR	RADIUM-228	1.36	0.17	0.24	PCI/G	NOTE 1	NOTE 1	*	HASL300	SOIL	RADIOCHEMICAL	1	WSC5219		WP0254.0	2/25/97	0000033074	1/20/97
SC-12223-S-SD	RADIUM-228	2.66	0.47	0.71	PCI/G	NOTE 1	NOTE 1	*	EPA 904.0	SOIL	RADIOCHEMICAL	1	9701433-08		GE2024.0	2/17/97	0000033310	1/20/97
SC-14211-S	RADIUM-228	1.31	0.13	0.39	PCI/G	N/A	N/A	*	HASL300	SOIL	RADIOCHEMICAL	1	WSC5457		WP0269.0	3/24/97	0000033650	2/17/97
SC-14211-S-DU	RADIUM-228	1.18	0.12	0.40	PCI/G	NOTE 1	NOTE 1	*	HASL300	SOIL	RADIOCHEMICAL	1	WSC5457DU		WP0269.0	3/27/97	0000033669	2/17/97
SC-14211-S-FR	RADIUM-228	1.22	0.21	0.67	PCI/G	NOTE 1	NOTE 1	*	HASL300	SOIL	RADIOCHEMICAL	1	WSC5458		WP0269.0	3/24/97	0000033668	2/17/97
SC-09701-S	THORIUM-230	1.16	0.14	0.72	PCI/G	N/A	N/A	*	EML TH-01	SOIL	RADIOCHEMICAL	1	WSC4251		WP0166.0	10/17/96	0000025524	10/11/96
SC-09701-S-DU	THORIUM-230	0.95	0.12	0.72	PCI/G	NOTE 1	NOTE 1	*	EML TH-01	SOIL	RADIOCHEMICAL	1	WSC4251DU		WP0166.0	10/18/96	0000030719	10/11/96
SC-09701-S-EB	THORIUM-230	0.11	0.05	0.06	PCI/L	N/A	N/A	J	HASL 300	SURFACE WATER	RADIOCHEMICAL	1	9610330-03	J	GE2014.0	10/21/96	0000030723	10/11/96
SC-09701-S-FR	THORIUM-230	1.00	0.13	0.72	PCI/G	NOTE 1	NOTE 1	*	EML TH-01	SOIL	RADIOCHEMICAL	1	WSC4252		WP0166.0	10/17/96	0000030720	10/11/96
SC-09701-S-SD	THORIUM-230	6.52	1.07	0.09	PCI/G	NOTE 1	NOTE 1	J	HASL 300	SOIL	RADIOCHEMICAL	1	9610330-04		GE2014.0	10/21/96	0000030724	10/11/96

APPENDIX G TABLE G-1

WSSRAP ID	PARAMETER	CONC	ERR	DL	UNITS	RPD	DER	VAL QUAL	METHOD	MATRIX	CATEGORY	DIL	LAB ID	LAB QUAL	LAB REQU	DATE ANA	SAMPLINK	DATE SAM
SC-09803-S	THORIUM-230	1.06	0.13	0.72	PCI/G	N/A	N/A	*	EML TH-01	SOIL	RADIOCHEMICAL	1	WSC4225		WP0166.0	10/16/96	0000025545	10/10/96
SC-09803-S-DU	THORIUM-230	0.91	0.10	0.72	PCI/G	NOTE 1	NOTE 1	*	EML TH-01	SOIL	RADIOCHEMICAL	1	WSC4225DU		WP0166.0	10/16/96	0000030678	10/10/96
SC-09803-S-EB	THORIUM-230	0.16	0.06	0.02	PCI/L	N/A	N/A	J	HASL 300	SURFACE WATER	RADIOCHEMICAL	1	9610330-05	J	GE2014.0	10/21/96	0000030683	10/10/96
SC-09803-S-FR	THORIUM-230	0.72	0.61	0.72	PCI/G	NOTE 1	NOTE 1	*	EML TH-01	SOIL	RADIOCHEMICAL	1	WSC4226		WP0166.0	10/16/96	0000030680	10/10/96
SC-09803-S-SD	THORIUM-230	6.21	1.52	0.51	PCI/G	NOTE 1	NOTE 1	J	HASL 300	SOIL	RADIOCHEMICAL	1	9610330-06		GE2014.0	10/22/96	0000030690	10/10/96
SC-09819-S	THORIUM-230	0.74	0.07	0.72	PCI/G	N/A	N/A	*	EML TH-01	SOIL	RADIOCHEMICAL	1	WSC4248		WP0167.0	10/17/96	0000025565	10/10/96
SC-09819-S-DU	THORIUM-230	0.90	0.10	0.72	PCI/G	NOTE 1	NOTE 1	*	EML TH-01	SOIL	RADIOCHEMICAL	1	WSC4248DU		WP0167.0	10/17/96	0000030688	10/10/96
SC-09819-S-FR	THORIUM-230	0.96	0.11	0.72	PCI/G	NOTE 1	NOTE 1	*	EML TH-01	SOIL	RADIOCHEMICAL	1	WSC4249		WP0167.0	10/17/96	0000030685	10/10/96
SC-09819-S-SD	THORIUM-230	4.99	1.06	0.25	PCI/G	NOTE 1	NOTE 1	J	HASL 300	SOIL	RADIOCHEMICAL	1	9610330-08		GE2014.0	10/22/96	0000030684	10/10/96
SC-09905-S	THORIUM-230	0.85	0.07	0.72	PCI/G	N/A	N/A	*	EML TH-01	SOIL	RADIOCHEMICAL	1	WSC4105		WP0157.0	10/11/96	0000025667	10/7/96
SC-09905-S-DU	THORIUM-230	0.85	0.10	0.72	PCI/G	NOTE 1	NOTE 1	*	EML TH-01	SOIL	RADIOCHEMICAL	1	WSC4105DU		WP0157.0	10/11/96	0000030569	10/7/96
SC-09905-S-EB	THORIUM-230	0.44	0.20	0.13	PCI/L	N/A	N/A	J	HASL 300	SURFACE WATER	RADIOCHEMICAL	1	9610260-02		GE2010.0	10/14/96	0000030583	10/7/96
SC-09905-S-FR	THORIUM-230	0.91	0.11	0.72	PCI/G	NOTE 1	NOTE 1	*	EML TH-01	SOIL	RADIOCHEMICAL	1	WSC4106		WP0157.0	10/11/96	0000030571	10/7/96
SC-09905-S-SD	THORIUM-230	2.41	0.58	0.25	PCI/G	NOTE 1	NOTE 1	J	HASL 300	SOIL	RADIOCHEMICAL	1	9610260-03	B	GE2010.0	10/14/96	0000030584	10/7/96
SC-09906-S	THORIUM-230	1.14	0.14	0.72	PCI/G	N/A	N/A	*	EML TH-01	SOIL	RADIOCHEMICAL	1	WSC4107		WP0157.0	10/11/96	0000030572	10/7/96
SC-09906-S-DU	THORIUM-230	0.98	0.13	0.72	PCI/G	NOTE 1	NOTE 1	*	EML TH-01	SOIL	RADIOCHEMICAL	1	WSC4107DU		WP0157.0	10/11/96	0000030588	10/7/96
SC-09906-S-EB	THORIUM-230	0.51	0.14	0.08	PCI/L	N/A	N/A	J	HASL 300	SURFACE WATER	RADIOCHEMICAL	1	9610260-04		GE2010.0	10/13/96	0000030585	10/7/96
SC-09906-S-FR	THORIUM-230	1.23	0.15	0.72	PCI/G	NOTE 1	NOTE 1	*	EML TH-01	SOIL	RADIOCHEMICAL	1	WSC4108		WP0157.0	10/11/96	0000030590	10/7/96
SC-09906-S-SD	THORIUM-230	2.62	0.61	0.18	PCI/G	NOTE 1	NOTE 1	J	HASL 300	SOIL	RADIOCHEMICAL	1	9610260-05		GE2010.0	10/14/96	0000030586	10/7/96
SC-10213-S	THORIUM-230	0.97	0.11	0.72	PCI/G	N/A	N/A	*	EML TH-01	SOIL	RADIOCHEMICAL	1	WSC4466		WP0196.0	11/18/96	0000025746	11/12/96
SC-10213-S-DU	THORIUM-230	1.07	0.12	0.72	PCI/G	NOTE 1	NOTE 1	*	EML TH-01	SOIL	RADIOCHEMICAL	1	WSC4466DU		WP0196.0	11/17/96	0000031859	11/12/96
SC-10213-S-EB	THORIUM-230	-0.02	0.07	0.10	PCI/L	N/A	N/A	*	EPA 907.0	GROUNDWATER	RADIOCHEMICAL	1	L6310-4		LK1019.0	11/19/96	0000031875	11/12/96
SC-10213-S-FR	THORIUM-230	0.95	0.09	0.72	PCI/G	NOTE 1	NOTE 1	*	EML TH-01	SOIL	RADIOCHEMICAL	1	WSC4467		WP0196.0	11/18/96	0000031858	11/12/96
SC-10213-S-SD	THORIUM-230	1.06	0.12	0.02	PCI/G	NOTE 1	NOTE 1	*	EPA 907.0	SOIL	RADIOCHEMICAL	1	L6310-7		LK1019.0	11/20/96	0000031876	11/12/96
SC-10403-C	THORIUM-230	0.91	0.12	0.72	PCI/G	N/A	N/A	A	EML TH-01	SOIL	RADIOCHEMICAL	1	WSC4157		WP0160.0	10/15/96	0000025769	10/8/96
SC-10403-C-DU	THORIUM-230	1.12	0.19	0.72	PCI/G	NOTE 1	NOTE 1	*	EML TH-01	SOIL	RADIOCHEMICAL	1	WSC4157DU		WP0160.0	10/15/96	0000030642	10/8/96
SC-10403-C-EB	THORIUM-230	0.22	0.07	0.03	PCI/L	N/A	N/A	*	HASL 300	SURFACE WATER	RADIOCHEMICAL	1	9610283-05		GE2011.0	10/21/96	0000030643	10/8/96
SC-10403-C-FR	THORIUM-230	0.67	0.08	0.72	PCI/G	NOTE 1	NOTE 1	*	EML TH-01	SOIL	RADIOCHEMICAL	1	WSC4158		WP0160.0	10/15/96	0000030644	10/8/96
SC-10403-C-SD	THORIUM-230	6.74	1.50	0.16	PCI/G	NOTE 1	NOTE 1	J	HASL 300	SOIL	RADIOCHEMICAL	1	9610283-06		GE2011.0	10/21/96	0000030647	10/8/96
SC-10421-C	THORIUM-230	0.85	0.09	0.72	PCI/G	N/A	N/A	J	EML TH-01	SOIL	RADIOCHEMICAL	1	WSC4178		WP0161.0	10/16/96	0000025809	10/8/96
SC-10421-C-DU	THORIUM-230	0.96	0.11	0.72	PCI/G	NOTE 1	NOTE 1	*	EML TH-01	SOIL	RADIOCHEMICAL	1	WSC4178DU		WP0161.0	10/16/96	0000030636	10/8/96
SC-10421-C-EB	THORIUM-230	0.20	0.06	0.03	PCI/L	N/A	N/A	*	HASL 300	SURFACE WATER	RADIOCHEMICAL	1	9610283-07	J	GE2011.0	10/21/96	0000030637	10/8/96
SC-10421-C-FR	THORIUM-230	0.87	0.10	0.72	PCI/G	NOTE 1	NOTE 1	*	EML TH-01	SOIL	RADIOCHEMICAL	1	WSC4179		WP0161.0	10/16/96	0000030638	10/8/96
SC-10421-C-SD	THORIUM-230	4.39	0.89	0.29	PCI/G	NOTE 1	NOTE 1	J	HASL 300	SOIL	RADIOCHEMICAL	1	9610283-08		GE2011.0	10/21/96	0000030641	10/8/96
SC-10910-S	THORIUM-230	0.82	0.09	0.72	PCI/G	N/A	N/A	*	EML TH-01	SOIL	RADIOCHEMICAL	1	WSC5136		WP0236.0	12/19/96	0000025936	12/16/96
SC-10910-S-DU	THORIUM-230	0.64	0.05	0.72	PCI/G	NOTE 1	NOTE 1	*	EML TH-01	SOIL	RADIOCHEMICAL	1	WSC5136DU		WP0236.0	12/19/96	0000032617	12/16/96
SC-10910-S-EB	THORIUM-230	0.46	0.34	0.16	PCI/L	N/A	N/A	*	EML TH-01	GROUNDWATER	RADIOCHEMICAL	1	9612066-04	J	TU0075.0	12/27/96	0000032620	12/16/96
SC-10910-S-FR	THORIUM-230	0.87	0.09	0.72	PCI/G	NOTE 1	NOTE 1	*	EML TH-01	SOIL	RADIOCHEMICAL	1	WSC5137		WP0236.0	12/19/96	0000032615	12/16/96
SC-10910-S-SD	THORIUM-230	1.64	0.47	0.10	PCI/G	NOTE 1	NOTE 1	*	EML TH-01	SOIL	RADIOCHEMICAL	1	9612065-04		TU0074.0	12/27/96	0000032619	12/16/96
SC-11009-S	THORIUM-230	-0.68	0.06	0.72	PCI/G	N/A	N/A	*	EML TH-01	SOIL	RADIOCHEMICAL	1	WSC5109		WP0235.0	12/20/96	0000025966	12/16/96
SC-11009-S-DU	THORIUM-230	0.97	0.16	0.72	PCI/G	NOTE 1	NOTE 1	*	EML TH-01	SOIL	RADIOCHEMICAL	1	WSC5109DU		WP0235.0	12/20/96	0000032623	12/16/96
SC-11009-S-EB	THORIUM-230	0.91	0.47	0.25	PCI/L	N/A	N/A	*	EML TH-01	GROUNDWATER	RADIOCHEMICAL	1	9612066-05		TU0075.0	12/27/96	0000032626	12/16/96
SC-11009-S-FR	THORIUM-230	0.73	0.06	0.72	PCI/G	NOTE 1	NOTE 1	*	EML TH-01	SOIL	RADIOCHEMICAL	1	WSC5110		WP0235.0	12/20/96	0000032622	12/16/96
SC-11009-S-SD	THORIUM-230	1.43	0.39	0.09	PCI/G	NOTE 1	NOTE 1	*	EML TH-01	SOIL	RADIOCHEMICAL	1	9612065-05		TU0074.0	12/27/96	0000032627	12/16/96
SC-11015-C	THORIUM-230	1.10	0.13	0.72	PCI/G	N/A	N/A	*	EML TH-01	SOIL	RADIOCHEMICAL	1	WSC5116		WP0235.0	12/21/96	0000025975	12/16/96
SC-11015-C-DU	THORIUM-230	0.73	0.08	0.72	PCI/G	NOTE 1	NOTE 1	*	EML TH-01	SOIL	RADIOCHEMICAL	1	WSC5116DU		WP0235.0	12/21/96	0000032630	12/16/96
SC-11015-C-EB	THORIUM-230	1.35	0.69	0.20	PCI/L	N/A	N/A	*	EML TH-01	GROUNDWATER	RADIOCHEMICAL	1	9612066-06		TU0075.0	12/27/96	0000032628	12/16/96
SC-11015-C-FR	THORIUM-230	0.99	0.11	0.72	PCI/G	NOTE 1	NOTE 1	*	EML TH-01	SOIL	RADIOCHEMICAL	1	WSC5117		WP0235.0	12/21/96	0000032633	12/16/96
SC-11015-C-SD	THORIUM-230	1.88	0.56	0.14	PCI/G	NOTE 1	NOTE 1	*	EML TH-01	SOIL	RADIOCHEMICAL	1	9612065-06		TU0074.0	12/27/96	0000032629	12/16/96
SC-11104-S	THORIUM-230	1.02	0.11	0.72	PCI/G	N/A	N/A	*	EML TH-01	SOIL	RADIOCHEMICAL	1	WSC5058		WP0231.0	12/16/96	0000025962	12/11/96
SC-11104-S-DU	THORIUM-230	0.93	0.11	0.72	PCI/G	NOTE 1	NOTE 1	*	EML TH-01	SOIL	RADIOCHEMICAL	1	WSC5058DU		WP0231.0	12/16/96	0000032450	12/11/96
SC-11104-S-EB	THORIUM-230	-0.25	0.25	0.49	PCI/L	N/A	N/A	*	EML TH-01	GROUNDWATER	RADIOCHEMICAL	1	9612053-05	U	TU0068.0	12/23/96	0000032454	12/10/96

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WSSRAP ID	PARAMETER	CONC	ERR	DL	UNITS	RPD	DER	VAL QUAL	METHOD	MATRIX	CATEGORY	DIL	LAB ID	LAB QUAL	LAB REQU	DATE ANA	SAMPLINK	DATE SAM
SC-11104-S-FR	THORIUM-230	0.84	0.09	0.72	PCI/G	NOTE 1	NOTE 1	*	EML TH-01	SOIL	RADIOCHEMICAL	1	WSC5059		WP0231.0	12/18/96	0000032448	12/11/96
SC-11104-S-SD	THORIUM-230	1.25	0.40	0.14	PCI/G	NOTE 1	NOTE 1	*	EML TH-01	SOIL	RADIOCHEMICAL	1	9612052-05		TU0067.0	12/20/96	0000032447	12/11/96
SC-12110-S	THORIUM-230	0.76	0.07	0.72	PCI/G	N/A	N/A	*	EML TH-01	SOIL	RADIOCHEMICAL	1	WSC5180		WP0251.0	1/24/97	0000026360	1/20/97
SC-12110-S-DU	THORIUM-230	0.87	0.09	0.72	PCI/G	NOTE 1	NOTE 1	*	EML TH-01	SOIL	RADIOCHEMICAL	1	WSC5180DU		WP0251.0	1/24/97	0000033069	1/20/97
SC-12110-S-EB	THORIUM-230	-0.05	0.05	0.06	PCI/L	N/A	N/A	*	HASL 300	SURFACE WATER	RADIOCHEMICAL	1	9701433-01	U	GE2024.0	2/3/97	0000033303	1/20/97
SC-12110-S-FR	THORIUM-230	1.01	0.11	0.72	PCI/G	NOTE 1	NOTE 1	*	EML TH-01	SOIL	RADIOCHEMICAL	1	WSC5181		WP0251.0	1/25/97	0000033068	1/20/97
SC-12110-S-SD	THORIUM-230	1.99	0.65	0.36	PCI/G	NOTE 1	NOTE 1	*	HASL 300	SOIL	RADIOCHEMICAL	1	9701433-02		GE2024.0	2/5/97	0000033304	1/20/97
SC-12115-S	THORIUM-230	0.79	0.06	0.72	PCI/G	N/A	N/A	*	EML TH-01	SOIL	RADIOCHEMICAL	1	WSC5185		WP0252.0	1/24/97	0000026366	1/20/97
SC-12115-S-DU	THORIUM-230	0.67	0.05	0.72	PCI/G	NOTE 1	NOTE 1	*	EML TH-01	SOIL	RADIOCHEMICAL	1	WSC5185DU		WP0252.0	1/24/97	0000032660	1/20/97
SC-12115-S-EB	THORIUM-230	0.05	0.04	0.05	PCI/L	N/A	N/A	*	HASL 300	SURFACE WATER	RADIOCHEMICAL	1	9701433-03	J	GE2024.0	2/3/97	0000033305	1/20/97
SC-12115-S-FR	THORIUM-230	0.95	0.11	0.72	PCI/G	NOTE 1	NOTE 1	*	EML TH-01	SOIL	RADIOCHEMICAL	1	WSC5186		WP0252.0	1/25/97	0000032657	1/20/97
SC-12115-S-SD	THORIUM-230	0.73	0.33	0.33	PCI/G	NOTE 1	NOTE 1	*	HASL 300	SOIL	RADIOCHEMICAL	1	9701433-04	J	GE2024.0	2/5/97	0000033306	1/20/97
SC-12215-S	THORIUM-230	0.76	0.07	0.72	PCI/G	N/A	N/A	*	EML TH-01	SOIL	RADIOCHEMICAL	1	WSC5210		WP0253.0	1/26/97	0000026396	1/20/97
SC-12215-S-DU	THORIUM-230	0.88	0.09	0.72	PCI/G	NOTE 1	NOTE 1	*	EML TH-01	SOIL	RADIOCHEMICAL	1	WSC5210DU		WP0253.0	1/26/97	0000033300	1/20/97
SC-12215-S-EB	THORIUM-230	0.08	0.03	0.01	PCI/L	N/A	N/A	*	HASL 300	SURFACE WATER	RADIOCHEMICAL	1	9701433-05	J	GE2024.0	2/3/97	0000033307	1/20/97
SC-12215-S-FR	THORIUM-230	0.70	0.07	0.72	PCI/G	NOTE 1	NOTE 1	*	EML TH-01	SOIL	RADIOCHEMICAL	1	WSC5211		WP0253.0	1/26/97	0000033299	1/20/97
SC-12215-S-SD	THORIUM-230	1.15	0.45	0.29	PCI/G	NOTE 1	NOTE 1	*	HASL 300	SOIL	RADIOCHEMICAL	1	9701433-06		GE2024.0	2/5/97	0000033308	1/20/97
SC-12223-S	THORIUM-230	0.92	0.10	0.72	PCI/G	N/A	N/A	*	EML TH-01	SOIL	RADIOCHEMICAL	1	WSC5218		WP0254.0	1/25/97	0000026407	1/20/97
SC-12223-S-DU	THORIUM-230	1.00	0.10	0.72	PCI/G	NOTE 1	NOTE 1	*	EML TH-01	SOIL	RADIOCHEMICAL	1	WSC5218DU		WP0254.0	1/24/97		1/20/97
SC-12223-S-EB	THORIUM-230	0.11	0.06	0.06	PCI/L	N/A	N/A	*	HASL 300	SURFACE WATER	RADIOCHEMICAL	1	9701433-07	J	GE2024.0	2/3/97	0000033309	1/20/97
SC-12223-S-FR	THORIUM-230	1.13	0.13	0.72	PCI/G	NOTE 1	NOTE 1	*	EML TH-01	SOIL	RADIOCHEMICAL	1	WSC5219		WP0254.0	1/24/97	0000033074	1/20/97
SC-12223-S-SD	THORIUM-230	1.19	0.38	0.07	PCI/G	NOTE 1	NOTE 1	*	HASL 300	SOIL	RADIOCHEMICAL	1	9701433-08		GE2024.0	2/5/97	0000033310	1/20/97
SC-10304-C	TOLUENE	ND		1.30	UG/KG	N/A	N/A	*	EPA 8020	SOIL	VOLATILES	1	12656001	U	QT2027.0	11/1/96	0000031620	10/30/96
SC-10304-C-TB	TOLUENE	ND		1.00	UG/L	N/A	N/A	*	EPA 8020	GROUNDWATER	VOLATILES	1	12656002	U	QT2027.0	11/1/96	0000031651	10/31/96
SC-09420-S	URANIUM-238	ND		2.86	PCI/G	N/A	N/A	*	HASL300	SOIL	RADIOCHEMICAL	1	WSC4534		WP0199.0	11/15/96	0000025485	11/13/96
SC-09420-S-DU	URANIUM-238	ND		3.20	PCI/G	NOTE 1	NOTE 1	*	HASL300	SOIL	RADIOCHEMICAL	1	WSC4534DU		WP0199.0	11/15/96	0000031906	11/13/96
SC-09420-S-FR	URANIUM-238	5.81	1.36	4.46	PCI/G	NOTE 1	NOTE 1	*	HASL300	SOIL	RADIOCHEMICAL	1	WSC4535		WP0199.0	11/15/96	0000031904	11/13/96
SC-09420-S-SD	URANIUM-238	0.88	0.67	1.50	PCI/G	NOTE 1	NOTE 1	*	EPA 901.1	SOIL	RADIOCHEMICAL	1	L6310-2		LK1019	11/19/96	0000031908	11/13/96
SC-09508-S	URANIUM-238	ND		4.34	PCI/G	N/A	N/A	*	HASL300	SOIL	RADIOCHEMICAL	1	WSC3951		WP0152.0	11/11/96	0000025496	10/1/96
SC-09508-S-DU	URANIUM-238	ND		4.35	PCI/G	NOTE 1	NOTE 1	*	HASL300	SOIL	RADIOCHEMICAL	1	WSC3951DU		WP0152.0	11/11/96	0000030412	10/1/96
SC-09508-S-FR	URANIUM-238	ND		3.35	PCI/G	NOTE 1	NOTE 1	*	HASL300	SOIL	RADIOCHEMICAL	1	WSC3952		WP0152.0	11/11/96	0000030443	10/1/96
SC-09508-S-SD	URANIUM-238	1.68	0.24	0.09	PCI/G	NOTE 1	NOTE 1	A	EPI A-011B	SOIL	RADIOCHEMICAL	1	9610260-01		GE2010.0	10/13/96	0000030497	10/1/96
SC-09701-S	URANIUM-238	-1.48	0.96	3.10	PCI/G	N/A	N/A	*	HASL300	SOIL	RADIOCHEMICAL	1	WSC4251		WP0166.0	10/15/96	0000025524	10/11/96
SC-09701-S-DU	URANIUM-238	ND		4.14	PCI/G	NOTE 1	NOTE 1	*	HASL300	SOIL	RADIOCHEMICAL	1	WSC4251DU		WP0166.0	10/15/96	0000030719	10/11/96
SC-09701-S-FR	URANIUM-238	ND		3.06	PCI/G	NOTE 1	NOTE 1	*	HASL300	SOIL	RADIOCHEMICAL	1	WSC4252		WP0166.0	10/15/96	0000030720	10/11/96
SC-09701-S-SD	URANIUM-238	1.48	0.30	0.12	PCI/G	NOTE 1	NOTE 1	A	EPI A-011B	SOIL	RADIOCHEMICAL	1	9610330-04		GE2014.0	10/21/96	0000030724	10/11/96
SC-09803-S	URANIUM-238	ND		4.25	PCI/G	N/A	N/A	*	HASL300	SOIL	RADIOCHEMICAL	1	WSC4225		WP0166.0	10/15/96	0000025545	10/10/96
SC-09803-S-DU	URANIUM-238	3.56	1.15	3.28	PCI/G	NOTE 1	NOTE 1	*	HASL300	SOIL	RADIOCHEMICAL	1	WSC4225DU		WP0166.0	10/15/96	0000030678	10/10/96
SC-09803-S-FR	URANIUM-238	ND		3.38	PCI/G	NOTE 1	NOTE 1	*	HASL300	SOIL	RADIOCHEMICAL	1	WSC4226		WP0166.0	10/14/96	0000030680	10/10/96
SC-09803-S-SD	URANIUM-238	2.07	0.38	0.09	PCI/G	NOTE 1	NOTE 1	A	EPI A-011B	SOIL	RADIOCHEMICAL	1	9610330-06		GE2014.0	10/21/96	0000030690	10/10/96
SC-09819-S	URANIUM-238	ND		2.99	PCI/G	N/A	N/A	*	HASL300	SOIL	RADIOCHEMICAL	1	WSC4248		WP0167.0	11/19/96	0000025565	10/10/96
SC-09819-S-DU	URANIUM-238	ND		2.99	PCI/G	NOTE 1	NOTE 1	*	HASL300	SOIL	RADIOCHEMICAL	1	WSC4248DU		WP0167.0	11/19/96	0000030688	10/10/96
SC-09819-S-FR	URANIUM-238	ND		3.76	PCI/G	NOTE 1	NOTE 1	*	HASL300	SOIL	RADIOCHEMICAL	1	WSC4249		WP0167.0	11/19/96	0000030685	10/10/96
SC-09819-S-SD	URANIUM-238	1.07	0.25	0.11	PCI/G	NOTE 1	NOTE 1	A	EPI A-011B	SOIL	RADIOCHEMICAL	1	9610330-08		GE2014.0	10/21/96	0000030684	10/10/96
SC-09905-S	URANIUM-238	ND		3.01	PCI/G	N/A	N/A	*	HASL300	SOIL	RADIOCHEMICAL	1	WSC4105		WP0157.0	11/17/96	0000025667	10/7/96
SC-09905-S-DU	URANIUM-238	ND		3.08	PCI/G	NOTE 1	NOTE 1	*	HASL300	SOIL	RADIOCHEMICAL	1	WSC4105DU		WP0157.0	11/17/96	0000030569	10/7/96
SC-09905-S-FR	URANIUM-238	ND		3.10	PCI/G	NOTE 1	NOTE 1	*	HASL300	SOIL	RADIOCHEMICAL	1	WSC4106		WP0157.0	11/17/96	0000030571	10/7/96
SC-09905-S-SD	URANIUM-238	1.27	0.23	0.07	PCI/G	NOTE 1	NOTE 1	J	EPI A-011B	SOIL	RADIOCHEMICAL	1	9610260-03		GE2010.0	10/13/96	0000030564	10/7/96
SC-09906-S	URANIUM-238	ND		4.10	PCI/G	N/A	N/A	*	HASL300	SOIL	RADIOCHEMICAL	1	WSC4107		WP0157.0	11/17/96	0000030572	10/7/96
SC-09906-S-DU	URANIUM-238	ND		3.88	PCI/G	NOTE 1	NOTE 1	*	HASL300	SOIL	RADIOCHEMICAL	1	WSC4107DU		WP0157.0	11/17/96	0000030588	10/7/96
SC-09906-S-FR	URANIUM-238	ND		3.22	PCI/G	NOTE 1	NOTE 1	*	HASL300	SOIL	RADIOCHEMICAL	1	WSC4108		WP0157.0	11/17/96	0000030590	10/7/96
SC-09906-S-SD	URANIUM-238	1.03	0.21	0.10	PCI/G	NOTE 1	NOTE 1	A	EPI A-011B	SOIL	RADIOCHEMICAL	1	9610260-05		GE2010.0	10/13/96	0000030566	10/7/96

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WSSRAP ID	PARAMETER	CONC	ERR	DL	UNITS	RPD	DER	VAL QUAL	METHOD	MATRIX	CATEGORY	DIL	LAB ID	LAB QUAL	LAB REQU	DATE ANA	SAMPLINK	DATE SAM
SC-09917-S	URANIUM-238	ND		2.96	PCI/G	N/A	N/A	*	HASL300	SOIL	RADIOCHEMICAL	1	WSC4127		WP0158.0	10/10/96	0000025681	10/7/96
SC-09917-S-DU	URANIUM-238	ND		3.87	PCI/G	NOTE 1	NOTE 1	*	HASL300	SOIL	RADIOCHEMICAL	1	WSC4127DU		WP0158.0	10/11/96	0000030580	10/7/96
SC-09917-S-FR	URANIUM-238	ND		3.86	PCI/G	NOTE 1	NOTE 1	*	HASL300	SOIL	RADIOCHEMICAL	1	WSC4128		WP0158.0	10/11/96	0000030582	10/7/96
SC-09917-S-SD	URANIUM-238	1.40	0.24	0.11	PCI/G	NOTE 1	NOTE 1	J	EPI A-011B	SOIL	RADIOCHEMICAL	1	9610260-07		GE2010.0	10/13/96	0000030592	10/7/96
SC-10016-S	URANIUM-238	ND		3.10	PCI/G	N/A	N/A	*	HASL300	SOIL	RADIOCHEMICAL	1	WSC4632		WP0206.0	11/22/96	0000025708	11/19/96
SC-10016-S-DU	URANIUM-238	ND		3.18	PCI/G	NOTE 1	NOTE 1	*	HASL300	SOIL	RADIOCHEMICAL	1	WSC4632DU		WP0206.0	11/22/96	0000032026	11/19/96
SC-10016-S-FR	URANIUM-238	ND		3.74	PCI/G	NOTE 1	NOTE 1	*	HASL300	SOIL	RADIOCHEMICAL	1	WSC4633		WP0206.0	11/22/96	0000032024	11/19/96
SC-10016-S-SD	URANIUM-238	1.22	0.37	0.09	PCI/G	NOTE 1	NOTE 1	*	EML U-02	SOIL	RADIOCHEMICAL	1	9611112-04		TU0037.0	11/27/96	0000032048	11/19/96
SC-10108-S	URANIUM-238	2.48	0.64	2.35	PCI/G	N/A	N/A	*	HASL300	SOIL	RADIOCHEMICAL	1	WSC4642		WP0207.0	11/22/96	0000025720	11/19/96
SC-10108-S-DU	URANIUM-238	3.29	0.78	2.53	PCI/G	NOTE 1	NOTE 1	*	HASL300	SOIL	RADIOCHEMICAL	1	WSC4642DU		WP0207.0	11/22/96	0000032021	11/19/96
SC-10108-S-FR	URANIUM-238	ND		4.43	PCI/G	NOTE 1	NOTE 1	*	HASL300	SOIL	RADIOCHEMICAL	1	WSC4643		WP0207.0	11/22/96	0000032023	11/19/96
SC-10108-S-SD	URANIUM-238	1.96	0.50	0.11	PCI/G	NOTE 1	NOTE 1	*	EML U-02	SOIL	RADIOCHEMICAL	1	9611112-05		TU0037.0	11/27/96	0000032049	11/19/96
SC-10213-S	URANIUM-238	-1.69	0.59	2.44	PCI/G	N/A	N/A	*	HASL300	SOIL	RADIOCHEMICAL	1	WSC4486		WP0196.0	11/14/96	0000025746	11/12/96
SC-10213-S-DU	URANIUM-238	ND		3.74	PCI/G	NOTE 1	NOTE 1	*	HASL300	SOIL	RADIOCHEMICAL	1	WSC4486DU		WP0196.0	11/14/96	0000031859	11/12/96
SC-10213-S-FR	URANIUM-238	ND		3.80	PCI/G	NOTE 1	NOTE 1	*	HASL300	SOIL	RADIOCHEMICAL	1	WSC4487		WP0196.0	11/13/96	0000031858	11/12/96
SC-10213-S-SD	URANIUM-238	1.26	0.42	1.10	PCI/G	NOTE 1	NOTE 1	*	EPA 901.1	SOIL	RADIOCHEMICAL	1	L8310-8		LK1019	11/19/96	0000031876	11/12/96
SC-10308-S	URANIUM-238	ND		4.31	PCI/G	N/A	N/A	*	HASL300	SOIL	RADIOCHEMICAL	1	WSC4337		WP0178.0	10/29/96	0000025768	10/25/96
SC-10308-S-DU	URANIUM-238	ND		4.03	PCI/G	NOTE 1	NOTE 1	*	HASL300	SOIL	RADIOCHEMICAL	1	WSC4337DU		WP0178.0	10/29/96	0000031558	10/25/96
SC-10308-S-FR	URANIUM-238	ND		3.14	PCI/G	NOTE 1	NOTE 1	*	HASL300	SOIL	RADIOCHEMICAL	1	WSC4338		WP0178.0	10/29/96	0000031557	10/25/96
SC-10403-C	URANIUM-238	ND		3.06	PCI/G	N/A	N/A	*	HASL300	SOIL	RADIOCHEMICAL	1	WSC4157		WP0160.0	11/18/96	0000025789	10/8/96
SC-10403-C-DU	URANIUM-238	ND		3.07	PCI/G	NOTE 1	NOTE 1	*	HASL300	SOIL	RADIOCHEMICAL	1	WSC4157DU		WP0160.0	11/18/96	0000030642	10/8/96
SC-10403-C-FR	URANIUM-238	ND		3.14	PCI/G	NOTE 1	NOTE 1	*	HASL300	SOIL	RADIOCHEMICAL	1	WSC4158		WP0160.0	11/18/96	0000030644	10/8/96
SC-10403-C-SD	URANIUM-238	1.01	0.27	0.14	PCI/G	NOTE 1	NOTE 1	*	EPA 908	SOIL	RADIOCHEMICAL	1	9610263-08		GE2011.0	10/21/96	0000030647	10/8/96
SC-10421-C	URANIUM-238	4.63	0.92	2.67	PCI/G	N/A	N/A	*	HASL300	SOIL	RADIOCHEMICAL	1	WSC4178		WP0161.0	11/19/96	0000025809	10/8/96
SC-10421-C-DU	URANIUM-238	ND		3.62	PCI/G	NOTE 1	NOTE 1	*	HASL300	SOIL	RADIOCHEMICAL	1	WSC4178DU		WP0161.0	11/19/96	0000030636	10/8/96
SC-10421-C-FR	URANIUM-238	ND		3.58	PCI/G	NOTE 1	NOTE 1	*	HASL300	SOIL	RADIOCHEMICAL	1	WSC4179		WP0161.0	11/19/96	0000030638	10/8/96
SC-10421-C-SD	URANIUM-238	1.01	0.28	0.16	PCI/G	NOTE 1	NOTE 1	*	EPA 908	SOIL	RADIOCHEMICAL	1	9610263-08		GE2011.0	10/21/96	0000030641	10/8/96
SC-10503-S	URANIUM-238	ND		4.63	PCI/G	N/A	N/A	*	HASL300	SOIL	RADIOCHEMICAL	1	WSC5222		WP0255.0	1/28/97	0000025814	1/22/97
SC-10503-S-SD	URANIUM-238	1.08	0.43	0.15	PCI/G	NOTE 1	NOTE 1	*	EPA 901.1	SOIL	RADIOCHEMICAL	1	970113001		PG0003.0	2/5/97	0000033333	1/22/97
SC-10505-S	URANIUM-238	ND		4.01	PCI/G	N/A	N/A	*	HASL300	SOIL	RADIOCHEMICAL	1	WSC5224		WP0255.0	1/25/97	0000025816	1/22/97
SC-10505-S-DU	URANIUM-238	ND		3.28	PCI/G	NOTE 1	NOTE 1	*	HASL300	SOIL	RADIOCHEMICAL	1	WSC5224DU		WP0255.0	1/25/97	0000033332	1/22/97
SC-10505-S-FR	URANIUM-238	ND		4.12	PCI/G	NOTE 1	NOTE 1	*	HASL300	SOIL	RADIOCHEMICAL	1	WSC5225		WP0255.0	1/25/97	0000033331	1/22/97
SC-10505-S-SD	URANIUM-238	3.69	0.51	0.15	PCI/G	NOTE 1	NOTE 1	*	EPA 901.1	SOIL	RADIOCHEMICAL	1	970113003		PG0003.0	2/5/97	0000033334	1/22/97
SC-10509-S	URANIUM-238	ND		3.23	PCI/G	N/A	N/A	*	HASL300	SOIL	RADIOCHEMICAL	1	WSC5227		WP0255.0	1/28/97	0000025818	1/22/97
SC-10509-S-SD	URANIUM-238	1.22	0.48	0.15	PCI/G	NOTE 1	NOTE 1	*	EPA 901.1	SOIL	RADIOCHEMICAL	1	970113004		PG0003.0	2/6/97	0000033335	1/22/97
SC-10607-S	URANIUM-238	ND		3.08	PCI/G	N/A	N/A	*	HASL300	SOIL	RADIOCHEMICAL	1	WSC5268		WP0258.0	2/5/97	0000025848	2/3/97
SC-10607-S-DU	URANIUM-238	ND		2.96	PCI/G	NOTE 1	NOTE 1	*	HASL300	SOIL	RADIOCHEMICAL	1	WSC5268DU		WP0258.0	2/5/97	0000033043	2/3/97
SC-10607-S-FR	URANIUM-238	ND		4.06	PCI/G	NOTE 1	NOTE 1	*	HASL300	SOIL	RADIOCHEMICAL	1	WSC5269		WP0258.0	2/4/97	0000033047	2/3/97
SC-10607-S-SD	URANIUM-238	1.21	1.37	1.17	PCI/G	NOTE 1	NOTE 1	*	HASL 300	SOIL	RADIOCHEMICAL	1	9702108-02		GE2031.0	2/25/97	0000033451	2/3/97
SC-10615-S	URANIUM-238	ND		4.07	PCI/G	N/A	N/A	*	HASL300	SOIL	RADIOCHEMICAL	1	WSC5275		WP0258.0	2/5/97	0000025856	2/3/97
SC-10615-S-SD	URANIUM-238	1.38	1.06	0.97	PCI/G	NOTE 1	NOTE 1	*	HASL 300	SOIL	RADIOCHEMICAL	1	9702108-04		GE2031.0	2/25/97	0000033453	2/3/97
SC-10717-S	URANIUM-238	ND		3.30	PCI/G	N/A	N/A	*	HASL300	SOIL	RADIOCHEMICAL	1	WSC4759		WP0213.0	11/25/96	0000025889	11/22/96
SC-10717-S-DU	URANIUM-238	3.33	0.70	1.83	PCI/G	NOTE 1	NOTE 1	*	HASL300	SOIL	RADIOCHEMICAL	1	WSC4759DU		WP0213.0	11/26/96	0000032030	11/22/96
SC-10724-S	URANIUM-238	-2.56	0.76	3.01	PCI/G	N/A	N/A	*	HASL300	SOIL	RADIOCHEMICAL	1	WSC4477		WP0196.0	11/14/96	0000025896	11/12/96
SC-10724-S-DU	URANIUM-238	2.48	0.68	2.34	PCI/G	NOTE 1	NOTE 1	*	HASL300	SOIL	RADIOCHEMICAL	1	WSC4477DU		WP0196.0	11/14/96	0000031868	11/12/96
SC-10724-S-FR	URANIUM-238	ND		4.19	PCI/G	NOTE 1	NOTE 1	*	HASL300	SOIL	RADIOCHEMICAL	1	WSC4478		WP0196.0	11/14/96	0000031870	11/12/96
SC-10724-S-SD	URANIUM-238	2.50	0.52	1.00	PCI/G	NOTE 1	NOTE 1	*	EPA 901.1	SOIL	RADIOCHEMICAL	1	L8310-11		LK1019	11/19/96	0000031878	11/12/96
SC-10804-S	URANIUM-238	6.27	1.28	3.40	PCI/G	N/A	N/A	*	HASL300	SOIL	RADIOCHEMICAL	1	WSC4415		WP0194.0	11/12/96	0000025901	11/11/96
SC-10804-S-DU	URANIUM-238	6.66	1.31	3.62	PCI/G	NOTE 1	NOTE 1	*	HASL300	SOIL	RADIOCHEMICAL	1	WSC4415DU		WP0194.0	11/13/96	0000031836	11/11/96
SC-10804-S-FR	URANIUM-238	6.52	1.38	3.09	PCI/G	NOTE 1	NOTE 1	*	HASL300	SOIL	RADIOCHEMICAL	1	WSC4416		WP0194.0	11/12/96	0000031839	11/11/96
SC-10804-S-SD	URANIUM-238	4.86	0.66	1.10	PCI/G	NOTE 1	NOTE 1	*	EPA 901.1	SOIL	RADIOCHEMICAL	1	L8310-13		LK1019	11/19/96	0000031857	11/11/96
SC-10910-S	URANIUM-238	ND		3.94	PCI/G	N/A	N/A	*	HASL300	SOIL	RADIOCHEMICAL	1	WSC5136		WP0236.0	1/22/97	0000025936	12/16/96

APPENDIX G TABLE G-1

WSSRAP ID	PARAMETER	CONC	ERR	DL	UNITS	RPD	DER	VAL QUAL	METHOD	MATRIX	CATEGORY	DIL	LAB ID	LAB QUAL	LAB REQU	DATE ANA	SAMPLINK	DATE SAM
SC-10910-S-DU	URANIUM-238	ND		4.15	PCI/G	NOTE 1	NOTE 1	*	HASL300	SOIL	RADIOCHEMICAL	1	WSC5136DU		WP0236.0	1/22/97	0000032617	12/16/96
SC-10910-S-FR	URANIUM-238	ND		3.24	PCI/G	NOTE 1	NOTE 1	*	HASL300	SOIL	RADIOCHEMICAL	1	WSC5137		WP0236.0	1/22/97	0000032615	12/16/96
SC-10910-S-SD	URANIUM-238	0.99	0.38	0.07	PCI/G	NOTE 1	NOTE 1	*	EML U-02	SOIL	RADIOCHEMICAL	1	9612065-04		TU0074.0	12/30/96	0000032619	12/16/96
SC-11009-S	URANIUM-238	ND		4.11	PCI/G	N/A	N/A	*	HASL300	SOIL	RADIOCHEMICAL	1	WSC5109		WP0235.0	1/21/97	0000025966	12/16/96
SC-11009-S-DU	URANIUM-238	ND		4.07	PCI/G	NOTE 1	NOTE 1	*	HASL300	SOIL	RADIOCHEMICAL	1	WSC5109DU		WP0235.0	1/21/97	0000032623	12/16/96
SC-11009-S-FR	URANIUM-238	ND		3.24	PCI/G	NOTE 1	NOTE 1	*	HASL300	SOIL	RADIOCHEMICAL	1	WSC5110		WP0235.0	1/21/97	0000032622	12/16/96
SC-11009-S-SD	URANIUM-238	3.00	0.70	0.10	PCI/G	NOTE 1	NOTE 1	*	EML U-02	SOIL	RADIOCHEMICAL	1	9612065-05		TU0074.0	12/30/96	0000032627	12/16/96
SC-11104-S	URANIUM-238	ND		3.26	PCI/G	N/A	N/A	*	HASL300	SOIL	RADIOCHEMICAL	1	WSC5058		WP0231.0	1/16/97	0000025962	12/11/96
SC-11104-S-DU	URANIUM-238	ND		3.13	PCI/G	NOTE 1	NOTE 1	*	HASL300	SOIL	RADIOCHEMICAL	1	WSC5058DU		WP0231.0	1/16/97	0000032450	12/11/96
SC-11104-S-FR	URANIUM-238	ND		4.34	PCI/G	NOTE 1	NOTE 1	*	HASL300	SOIL	RADIOCHEMICAL	1	WSC5059		WP0231.0	1/16/97	0000032448	12/11/96
SC-11104-S-SD	URANIUM-238	1.39	0.42	0.12	PCI/G	NOTE 1	NOTE 1	*	EML U-02	SOIL	RADIOCHEMICAL	1	9612052-05		TU0067.0	12/26/96	0000032447	12/11/96
SC-11217-S	URANIUM-238	ND		4.42	PCI/G	N/A	N/A	*	HASL300	SOIL	RADIOCHEMICAL	1	WSC5095		WP0232.0	12/16/96	0000026036	12/12/96
SC-11217-S-DU	URANIUM-238	ND		4.39	PCI/G	NOTE 1	NOTE 1	*	HASL300	SOIL	RADIOCHEMICAL	1	WSC5095DU		WP0232.0	12/16/96	0000032653	12/12/96
SC-11217-S-FR	URANIUM-238	ND		4.21	PCI/G	NOTE 1	NOTE 1	*	HASL300	SOIL	RADIOCHEMICAL	1	WSC5095FR		WP0232.0	12/16/96	0000032654	12/12/96
SC-11217-S-SD	URANIUM-238	2.87	0.74	0.12	PCI/G	NOTE 1	NOTE 1	*	EML U-02	SOIL	RADIOCHEMICAL	1	9612065-07		TU0074.0	12/30/96	0000032651	12/12/96
SC-11312-S	URANIUM-238	4.08	0.74	2.18	PCI/G	N/A	N/A	*	HASL300	SOIL	RADIOCHEMICAL	1	WSC5256		WP0256.0	1/27/97	0000026066	1/23/97
SC-11312-S-DU	URANIUM-238	3.79	0.93	3.69	PCI/G	NOTE 1	NOTE 1	*	HASL300	SOIL	RADIOCHEMICAL	1	WSC5256DU		WP0256.0	1/28/97	0000033049	1/23/97
SC-11312-S-FR	URANIUM-238	ND		4.25	PCI/G	NOTE 1	NOTE 1	*	HASL300	SOIL	RADIOCHEMICAL	1	WSC5257		WP0256.0	1/27/97	0000033048	1/23/97
SC-11312-S-SD	URANIUM-238	1.89	0.37	0.15	PCI/G	NOTE 1	NOTE 1	*	EPA 901.1	SOIL	RADIOCHEMICAL	1	970113006		PG0008.0	2/6/97	0000033361	1/23/97
SC-11412-S	URANIUM-238	ND		2.98	PCI/G	N/A	N/A	*	HASL300	SOIL	RADIOCHEMICAL	1	WSC5289		WP0258.0	2/4/97	0000026076	2/3/97
SC-11412-S-DU	URANIUM-238	2.25	0.56	2.14	PCI/G	NOTE 1	NOTE 1	*	HASL300	SOIL	RADIOCHEMICAL	1	WSC5289DU		WP0258.0	2/4/97	0000033051	2/3/97
SC-11412-S-FR	URANIUM-238	2.54	0.91	2.61	PCI/G	NOTE 1	NOTE 1	*	HASL300	SOIL	RADIOCHEMICAL	1	WSC5290		WP0258.0	2/5/97	0000033050	2/3/97
SC-11412-S-SD	URANIUM-238	1.81	1.45	1.26	PCI/G	NOTE 1	NOTE 1	*	HASL 300	SOIL	RADIOCHEMICAL	1	9702108-06		GE2031.0	2/26/97	0000033447	2/3/97
SC-11512-S	URANIUM-238	ND		2.58	PCI/G	N/A	N/A	*	HASL300	SOIL	RADIOCHEMICAL	1	WSC5369		WP0264.0	3/24/97	0000026097	2/11/97
SC-11512-S-DU	URANIUM-238	2.03	0.51	1.71	PCI/G	NOTE 1	NOTE 1	*	HASL300	SOIL	RADIOCHEMICAL	1	WSC5369DU		WP0264.0	3/24/97	0000033053	2/11/97
SC-11512-S-FR	URANIUM-238	ND		3.74	PCI/G	NOTE 1	NOTE 1	*	HASL300	SOIL	RADIOCHEMICAL	1	WSC5370		WP0264.0	3/24/97	0000033052	2/11/97
SC-11610-S	URANIUM-238	ND		4.01	PCI/G	N/A	N/A	*	HASL300	SOIL	RADIOCHEMICAL	1	WSC5305		WP0259.0	2/6/97	0000026114	2/4/97
SC-11610-S-DU	URANIUM-238	ND		4.10	PCI/G	NOTE 1	NOTE 1	*	HASL300	SOIL	RADIOCHEMICAL	1	WSC5305DU		WP0259.0	2/6/97	0000033055	2/4/97
SC-11610-S-FR	URANIUM-238	ND		4.10	PCI/G	NOTE 1	NOTE 1	*	HASL300	SOIL	RADIOCHEMICAL	1	WSC5306		WP0259.0	2/5/97	0000033054	2/4/97
SC-11702-S	URANIUM-238	ND		4.99	PCI/G	N/A	N/A	*	HASL300	SOIL	RADIOCHEMICAL	1	WSC5309		WP0259.0	2/6/97	0000026138	2/4/97
SC-11702-S-DU	URANIUM-238	ND		4.53	PCI/G	NOTE 1	NOTE 1	*	HASL300	SOIL	RADIOCHEMICAL	1	WSC5309DU		WP0259.0	2/6/97	0000033059	2/4/97
SC-11702-S-FR	URANIUM-238	4.14	0.82	2.28	PCI/G	NOTE 1	NOTE 1	*	HASL300	SOIL	RADIOCHEMICAL	1	WSC5310		WP0259.0	2/6/97	0000033058	2/4/97
SC-11802-S	URANIUM-238	7.08	1.27	4.19	PCI/G	N/A	N/A	*	HASL300	SOIL	RADIOCHEMICAL	1	WSC5346		WP0262.0	2/11/97	0000026288	2/10/97
SC-11802-S-DU	URANIUM-238	10.10	1.78	4.30	PCI/G	NOTE 1	NOTE 1	*	HASL300	SOIL	RADIOCHEMICAL	1	WSC5346DU		WP0262.0	2/11/97	0000033061	2/10/97
SC-11802-S-FR	URANIUM-238	9.59	1.46	4.00	PCI/G	NOTE 1	NOTE 1	*	HASL300	SOIL	RADIOCHEMICAL	1	WSC5347		WP0262.0	2/11/97	0000033060	2/10/97
SC-11820-S	URANIUM-238	ND		3.12	PCI/G	N/A	N/A	*	HASL300	SOIL	RADIOCHEMICAL	1	WSC5300		WP0258.0	2/4/97	0000026308	2/3/97
SC-11820-S-DU	URANIUM-238	ND		3.04	PCI/G	NOTE 1	NOTE 1	*	HASL300	SOIL	RADIOCHEMICAL	1	WSC5300DU		WP0258.0	2/4/97	0000033063	2/3/97
SC-11820-S-FR	URANIUM-238	ND		3.24	PCI/G	NOTE 1	NOTE 1	*	HASL300	SOIL	RADIOCHEMICAL	1	WSC5301		WP0258.0	2/5/97	0000033062	2/3/97
SC-11820-S-SD	URANIUM-238	4.43	1.41	0.80	PCI/G	NOTE 1	NOTE 1	*	HASL 300	SOIL	RADIOCHEMICAL	1	9702108-08		GE2031.0	2/25/97	0000033449	2/3/97
SC-11908-S	URANIUM-238	ND		3.01	PCI/G	N/A	N/A	*	HASL300	SOIL	RADIOCHEMICAL	1	WSC5337		WP0260.0	2/10/97	0000026316	2/7/97
SC-11908-S-DU	URANIUM-238	ND		3.31	PCI/G	NOTE 1	NOTE 1	*	HASL300	SOIL	RADIOCHEMICAL	1	WSC5337DU		WP0260.0	2/10/97	0000033496	2/7/97
SC-11908-S-FR	URANIUM-238	ND		3.34	PCI/G	NOTE 1	NOTE 1	*	HASL300	SOIL	RADIOCHEMICAL	1	WSC5344		WP0260.0	2/10/97	0000033498	2/7/97
SC-11915-S	URANIUM-238	ND		3.11	PCI/G	N/A	N/A	*	HASL300	SOIL	RADIOCHEMICAL	1	WSC5343		WP0260.0	2/10/97	0000026324	2/7/97
SC-11915-S-DU	URANIUM-238	ND		3.18	PCI/G	NOTE 1	NOTE 1	*	HASL300	SOIL	RADIOCHEMICAL	1	WSC5343DU		WP0260.0	2/10/97	0000033497	2/7/97
SC-12004-S	URANIUM-238	ND		4.29	PCI/G	N/A	N/A	*	HASL300	SOIL	RADIOCHEMICAL	1	WSC5146		WP0248.0	1/9/97	0000026326	1/8/97
SC-12004-S-DU	URANIUM-238	ND		4.31	PCI/G	NOTE 1	NOTE 1	*	HASL300	SOIL	RADIOCHEMICAL	1	WSC5146DU		WP0248.0	1/9/97	0000033065	1/8/97
SC-12004-S-FR	URANIUM-238	2.38	0.73	2.92	PCI/G	NOTE 1	NOTE 1	*	HASL300	SOIL	RADIOCHEMICAL	1	WSC5147		WP0248.0	1/9/97	0000033064	1/8/97
SC-12004-S-SD	URANIUM-238	2.12	0.50	0.28	PCI/G	NOTE 1	NOTE 1	*	EPA 901.1	SOIL	RADIOCHEMICAL	1	970103302		PG0002.0	1/13/97	0000033188	1/8/97
SC-12020-S	URANIUM-238	ND		4.29	PCI/G	N/A	N/A	*	HASL300	SOIL	RADIOCHEMICAL	1	WSC5164		WP0248.0	1/10/97	0000026345	1/8/97
SC-12020-S-DU	URANIUM-238	ND		4.23	PCI/G	NOTE 1	NOTE 1	*	HASL300	SOIL	RADIOCHEMICAL	1	WSC5164DU		WP0248.0	1/10/97	0000033067	1/8/97
SC-12020-S-FR	URANIUM-238	ND		3.34	PCI/G	NOTE 1	NOTE 1	*	HASL300	SOIL	RADIOCHEMICAL	1	WSC5165		WP0248.0	1/10/97	0000033066	1/8/97
SC-12020-S-SD	URANIUM-238	1.20	0.42	0.28	PCI/G	NOTE 1	NOTE 1	*	EPA 901.1	SOIL	RADIOCHEMICAL	1	970103304		PG0002.0	1/13/97	0000033191	1/8/97

APPENDIX G TABLE G-1

WSSRAP ID	PARAMETER	CONC	ERR	DL	UNITS	RPD	DER	VAL QUAL	METHOD	MATRIX	CATEGORY	DIL	LAB ID	LAB QUAL	LAB REQU	DATE ANA	SAMPLINK	DATE SAM
SC-12110-S	URANIUM-238	ND		3.20	PCI/G	N/A	N/A	*	HASL300	SOIL	RADIOCHEMICAL	1	WSC5160		WP0251.0	2/25/97	0000026360	1/20/97
SC-12110-S-DU	URANIUM-238	ND		2.94	PCI/G	NOTE 1	NOTE 1	*	HASL300	SOIL	RADIOCHEMICAL	1	WSC5160DU		WP0251.0	2/25/97	0000033069	1/20/97
SC-12110-S-FR	URANIUM-238	ND		3.19	PCI/G	NOTE 1	NOTE 1	*	HASL300	SOIL	RADIOCHEMICAL	1	WSC5161		WP0251.0	2/25/97	0000033068	1/20/97
SC-12110-S-SD	URANIUM-238	1.74	0.19	0.02	PCI/G	NOTE 1	NOTE 1	*	HASL 300	SOIL	RADIOCHEMICAL	1	9701433-02		GE2024.0	2/1/97	0000033304	1/20/97
SC-12115-S	URANIUM-238	ND		2.92	PCI/G	N/A	N/A	*	HASL300	SOIL	RADIOCHEMICAL	1	WSC5185		WP0252.0	2/25/97	0000026366	1/20/97
SC-12115-S-DU	URANIUM-238	ND		3.03	PCI/G	NOTE 1	NOTE 1	*	HASL300	SOIL	RADIOCHEMICAL	1	WSC5185DU		WP0252.0	2/26/97	0000032660	1/20/97
SC-12115-S-FR	URANIUM-238	ND		3.59	PCI/G	NOTE 1	NOTE 1	*	HASL300	SOIL	RADIOCHEMICAL	1	WSC5186		WP0252.0	2/26/97	0000032657	1/20/97
SC-12115-S-SD	URANIUM-238	1.06	0.14	0.03	PCI/G	NOTE 1	NOTE 1	*	HASL 300	SOIL	RADIOCHEMICAL	1	9701433-04		GE2024.0	2/5/97	0000033306	1/20/97
SC-12215-S	URANIUM-238	ND		3.12	PCI/G	N/A	N/A	*	HASL300	SOIL	RADIOCHEMICAL	1	WSC5210		WP0253.0	2/26/97	0000026396	1/20/97
SC-12215-S-DU	URANIUM-238	ND		3.21	PCI/G	NOTE 1	NOTE 1	*	HASL300	SOIL	RADIOCHEMICAL	1	WSC5210DU		WP0253.0	2/26/97	0000033300	1/20/97
SC-12215-S-FR	URANIUM-238	ND		3.54	PCI/G	NOTE 1	NOTE 1	*	HASL300	SOIL	RADIOCHEMICAL	1	WSC5211		WP0253.0	2/26/97	0000033299	1/20/97
SC-12215-S-SD	URANIUM-238	1.63	0.19	0.04	PCI/G	NOTE 1	NOTE 1	*	HASL 300	SOIL	RADIOCHEMICAL	1	9701433-06		GE2024.0	2/1/97	0000033308	1/20/97
SC-12223-S	URANIUM-238	ND		3.27	PCI/G	N/A	N/A	*	HASL300	SOIL	RADIOCHEMICAL	1	WSC5218		WP0254.0	2/25/97	0000026407	1/20/97
SC-12223-S-DU	URANIUM-238	ND		3.38	PCI/G	NOTE 1	NOTE 1	*	HASL300	SOIL	RADIOCHEMICAL	1	WSC5218DU		WP0254.0	2/25/97		1/20/97
SC-12223-S-FR	URANIUM-238	ND		4.52	PCI/G	NOTE 1	NOTE 1	*	HASL300	SOIL	RADIOCHEMICAL	1	WSC5219		WP0254.0	2/25/97	0000033074	1/20/97
SC-12223-S-SD	URANIUM-238	0.60	0.10	0.03	PCI/G	NOTE 1	NOTE 1	*	HASL 300	SOIL	RADIOCHEMICAL	1	9701433-08	J	GE2024.0	2/1/97	0000033310	1/20/97
SC-14211-S	URANIUM-238	ND		2.72	PCI/G	N/A	N/A	*	HASL300	SOIL	RADIOCHEMICAL	1	WSC5457		WP0289.0	3/24/97	0000033660	2/17/97
SC-14211-S-DU	URANIUM-238	ND		2.72	PCI/G	NOTE 1	NOTE 1	*	HASL300	SOIL	RADIOCHEMICAL	1	WSC5457DU		WP0289.0	3/27/97	0000033669	2/17/97
SC-14211-S-FR	URANIUM-238	ND		4.14	PCI/G	NOTE 1	NOTE 1	*	HASL300	SOIL	RADIOCHEMICAL	1	WSC5458		WP0289.0	3/24/97	0000033668	2/17/97

APPENDIX G TABLE G-1

WSSRAP ID	PARAMETER	CONC	ERR	DL	UNITS	RPD	DER	VAL QUAL	METHOD	MATRIX	CATEGORY	DIL	LAB ID	LAB QUAL	LAB REQU	DATE ANA	SAMPLINK	DATE SAM

LEGEND:

WSSRAP ID	WSSRAP IDENTIFICATION CODE
PARAMETER	PARAMETER THAT WAS ANALYZED
CONC	CONCENTRATION (ND = NON-DETECTED)
ERR	ANALYTICAL ERROR
DL	DETECTION LIMIT
UNITS	APPROPRIATE UNITS
%RPD	RELATIVE PERCENT DIFFERENCE
DER	DERIVED ERROR RATIO
VAL QUAL	VALIDATION QUALIFIER:
	A = DATA MEETING ALL QA/QC REQUIREMENTS. THE PARAMETER WAS ANALYZED FOR AND DETECTED.
	U = DATA MEETING ALL QA/QC REQUIREMENTS. THE PARAMETER WAS ANALYZED FOR BUT NOT DETECTED. IF A NUMBER IS INCLUDED WITH THE QUALIFIER, THE DL HAS BEEN RAISED TO THE LEVEL IN THE SAMPLE DUE TO BLANK CONTAMINATION
	J = DATA THAT ARE AN ESTIMATE OR ARE ADEQUATE FOR A SEMI-QUANTITATIVE ASSESSMENT.
	UJ = THE PARAMETER WAS ANALYZED FOR, BUT WAS NOT DETECTED. THE ASSOCIATED VALUE IS AN ESTIMATED QUANTITY.
	N = PRESUMPTIVE EVIDENCE OF PRESENCE OF PARAMETER WITH NO ESTIMATION OF QUANTITY.
	NJ = PRESUMPTIVE EVIDENCE OF PRESENCE OF PARAMETER AT AN ESTIMATED QUANTITY.
	DL = DETECTION LIMIT REQUIREMENTS HAVE NOT BEEN MET. DATA QUALITY OBJECTIVES MAY NOT BE MET.
	UI = UNCERTAIN IDENTIFICATION OF THE PARAMETER.
	JE = THE RADIOLOGICAL UNCERTAINTY IS AN ESTIMATED QUANTITY.
	R = DATA THE ATE UNUSABLE (PARAMETER MAY OR MAY NOT BE PRESENT).
	* = DATA THAT HAVE BEEN VALIDATED.
	V = DATA THAT APPEAR TO BE VALID BASED ON SIMILAR DATA FROM IDENTICAL SAMPLING LOCATIONS OR BY COMPARISON TO HISTORICAL RECORDS.
	O = DATA THAT ARE ON HOLD
	X = DATA THAT CANNOT BE VALIDATED DUE TO MISSING LABORATORY INFORMATION.
METHOD	ANALYTICAL METHOD
MATRIX	SAMPLE MATRIX
CATEGORY	ANALYTICAL CATEGORY
DIL	DILUTION FACTOR
LAB ID	IDENTIFICATION GIVEN BY THE LAB
LAB QUAL	LABORATORY QUALIFIER
LAB REQU	LABORATORY REQUEST NUMBER
DATE ANA	DATE ANALYZED
SAMPLINK	SAMPLE LINK NUMBER
DATE SAM	DATE SAMPLED

APPENDIX H
Precision and Accuracy Comparison Tables

Appendix H Table H-1
Data Quality Requirement Goals for analytical data

Category	Analytical Parameter	Precision* (soil) RPD (%)	Precision* (soil) DER	Accuracy (soil) REC (%)	Precision* (water) RPD (%)	Precision* (water) DER	Accuracy (water) REC (%)
Radiological	Natrual Uranium, U-235, U-238	<= 50	1.00	+/- 30	<= 20	1.00	+/- 25
	Ra-226, Ra-228, Th-230, Th-232	<= 50	1.00	+/- 30	<= 20	1.00	+/- 25
	Gross Alpha, Gross Beta	<= 50	1.00	+/- 30	<= 20	1.00	+/- 25
Nitroaromatics	All	<= 35	N/A	+/- 25	<= 20	N/A	+/- 25
Anions	NO3, NO2, CL, F, SO4	<= 35	N/A	+/- 50	<= 20	N/A	+/- 25
Metals	All	<= 35	N/A	+/- 25	<= 20	N/A	+/- 25
Volitiles	All	<= 35	N/A	+/- 40	<= 20	N/A	+/- 25
Semi-Volatiles	All	<= 35	N/A	+/- 40	<= 20	N/A	+/- 25
PAHs	All	<= 35	N/A	+/- 40	<= 20	N/A	+/- 25
Pest/PCBs	All	<= 35	N/A	+/- 40	<= 20	N/A	+/- 25
All Others		<= 50	N/A	+/- 50	<= 20	N/A	+/- 25

* Not valid for values <= 5 * Detection Limit

Appendix H Table H-2
Comparison of Data Quality Requirement Goals With Matrix Duplicate Samples

Parameter	Number of Samples	Number of Detects	RPD Range	RPD Average	DER Range	DER Average	Evaluation and Summary of Detects
ARSENIC	5	5	1.80-11.80%	6.8%	N/A	N/A	3 PA OR DU <=5*DL, OR =ND
							2 PA & DU >5*DL, RPD<=35%
							0 PA & DU >5*DL, RPD >35%
CHROMIUM	14	14	1.67-54.40%	18.7%	N/A	N/A	0 PA OR DU <=5*DL, OR =ND
							12 PA & DU >5*DL, RPD<=35%
							2 PA & DU >5*DL, RPD >35%
LEAD	12	12	4.48-84.62%	31.3%	N/A	N/A	0 PA OR DU <=5*DL, OR =ND
							7 PA & DU >5*DL, RPD<=35%
							5 PA & DU >5*DL, RPD >35%
RADIUM-226	16	16	N/A	N/A	N/A	N/A	16 PA OR DU <=5*DL, OR =ND
							0 PA & DU >5*DL, RPD<=50%, DER <=1
							0 PA & DU >5*DL, RPD >50%, DER <=1
							0 PA & DU >5*DL, RPD <=50%, DER >1
							0 PA & DU >5*DL, RPD >50%, DER >1
RADIUM-228	16	16	N/A	N/A	N/A	N/A	16 PA OR DU <=5*DL, OR =ND
							0 PA & DU >5*DL, RPD<=50%, DER <=1
							0 PA & DU >5*DL, RPD >50%, DER <=1
							0 PA & DU >5*DL, RPD <=50%, DER >1
							0 PA & DU >5*DL, RPD >50%, DER >1
THORIUM-230	16	16	N/A	N/A	N/A	N/A	16 PA OR DU <=5*DL, OR =ND
							0 PA & DU >5*DL, RPD<=50%, DER <=1
							0 PA & DU >5*DL, RPD >50%, DER <=1
							0 PA & DU >5*DL, RPD <=50%, DER >1
							0 PA & DU >5*DL, RPD >50%, DER >1
URANIUM-238	39	9	N/A	N/A	N/A	N/A	39 PA OR DU <=5*DL, OR =ND
							0 PA & DU >5*DL, RPD<=50%, DER <=1
							0 PA & DU >5*DL, RPD >50%, DER <=1
							0 PA & DU >5*DL, RPD <=50%, DER >1
							0 PA & DU >5*DL, RPD >50%, DER >1

PA = RESPECTIVE PARENT SAMPLE
DU = MATRIX DUPLICATE SAMPLE
DER = DUPLICATE ERROR RATIO
RPD = RELATIVE PERCENT DIFFERENCE
DL = DETECTION LIMIT

Appendix H Table H-3
Comparison of Data Quality Requirement Goals with Secondary Duplicate samples

Parameter	Number of Samples	Number of Detects	RPD Range	RPD Average	DER Range	DER Average	Evaluation and Summary of Detects	
AROCLOR-1248	18	0	N/A	N/A	N/A	N/A	18	PA OR SD <=5*DL, OR =ND
							0	PA & SD >5*DL, RPD<=35%
							0	PA & SD >5*DL, RPD >35%
AROCLOR-1254	18	0	N/A	N/A	N/A	N/A	18	PA OR SD <=5*DL, OR =ND
							0	PA & SD >5*DL, RPD<=35%
							0	PA & SD >5*DL, RPD >35%
AROCLOR-1260	18	0	N/A	N/A	N/A	N/A	18	PA OR SD <=5*DL, OR =ND
							0	PA & SD >5*DL, RPD<=35%
							0	PA & SD >5*DL, RPD >35%
ARSENIC	5	5	15.69-15.69%	15.7%	N/A	N/A	4	PA OR SD <=5*DL, OR =ND
							1	PA & SD >5*DL, RPD<=35%
							0	PA & SD >5*DL, RPD >35%
BENZO(A)-ANTHRACENE	2	0	N/A	N/A	N/A	N/A	2	PA OR SD <=5*DL, OR =ND
							0	PA & SD >5*DL, RPD<=35%
							0	PA & SD >5*DL, RPD >35%
BENZO(A)-PYRENE	2	0	N/A	N/A	N/A	N/A	2	PA OR SD <=5*DL, OR =ND
							0	PA & SD >5*DL, RPD<=35%
							0	PA & SD >5*DL, RPD >35%
BENZO(B)-FLUORANTHENE	2	0	N/A	N/A	N/A	N/A	2	PA OR SD <=5*DL, OR =ND
							0	PA & SD >5*DL, RPD<=35%
							0	PA & SD >5*DL, RPD >35%
BENZO(K)-FLUORANTHENE	2	0	N/A	N/A	N/A	N/A	2	PA OR SD <=5*DL, OR =ND
							0	PA & SD >5*DL, RPD<=35%
							0	PA & SD >5*DL, RPD >35%
CHROMIUM	14	14	5.38-60.96%	30.6%	N/A	N/A	0	PA OR SD <=5*DL, OR =ND
							9	PA & SD >5*DL, RPD<=35%
							5	PA & SD >5*DL, RPD >35%
CHRYSENE	2	0	N/A	N/A	N/A	N/A	2	PA OR SD <=5*DL, OR =ND
							0	PA & SD >5*DL, RPD<=35%
							0	PA & SD >5*DL, RPD >35%
INDENO(1,2,3-CD)-PYRENE	2	0	N/A	N/A	N/A	N/A	2	PA OR SD <=5*DL, OR =ND
							0	PA & SD >5*DL, RPD<=35%
							0	PA & SD >5*DL, RPD >35%
LEAD	12	12	2.62-152.92%	46.1%	N/A	N/A	0	PA OR SD <=5*DL, OR =ND
							7	PA & SD >5*DL, RPD<=35%
							5	PA & SD >5*DL, RPD >35%
RADIUM-226	14	14	28.36-28.36%	28.4%	1.06-1.06	1.06	13	PA OR SD <=5*DL, OR =ND
							0	PA & SD >5*DL, RPD<=50%, DER <=1
							0	PA & SD >5*DL, RPD >50%, DER <=1
							1	PA & SD >5*DL, RPD <=50%, DER >1
							0	PA & SD >5*DL, RPD >50%, DER >1
RADIUM-228	14	13	N/A	N/A	N/A	N/A	14	PA OR SD <=5*DL, OR =ND
							0	PA & SD >5*DL, RPD<=50%, DER <=1
							0	PA & SD >5*DL, RPD >50%, DER <=1
							0	PA & SD >5*DL, RPD <=50%, DER >1
							0	PA & SD >5*DL, RPD >50%, DER >1
THORIUM-230	16	16	N/A	N/A	N/A	N/A	16	PA OR SD <=5*DL, OR =ND
							0	PA & SD >5*DL, RPD<=50%, DER <=1
							0	PA & SD >5*DL, RPD >50%, DER <=1
							0	PA & SD >5*DL, RPD <=50%, DER >1
							0	PA & SD >5*DL, RPD >50%, DER >1
URANIUM-238	33	33	N/A	N/A	N/A	N/A	33	PA OR SD <=5*DL, OR =ND
							0	PA & SD >5*DL, RPD<=50%, DER <=1
							0	PA & SD >5*DL, RPD >50%, DER <=1
							0	PA & SD >5*DL, RPD <=50%, DER >1
							0	PA & SD >5*DL, RPD >50%, DER >1

PA = RESPECTIVE PARENT SAMPLE
SD = SECONDARY DUPLICATE SAMPLE
DER = DUPLICATE ERROR RATIO
RPD = RELATIVE PERCENT DIFFERENCE
DL = DETECTION LIMIT

Appendix H Table H-4
Comparison of Data Quality Requirement Goals with Field Replicate Samples

Parameter	Number of Samples	Number of Detects	RPD Range	RPD Average	DER Range	DER Average	Evaluation and Summary of Detects	
AROCLOR-1248	18	0	N/A	N/A	N/A	N/A	18	PA OR FR <=5*DL, OR =ND
							0	PA & FR >5*DL, RPD<=35%
							0	PA & FR >5*DL, RPD >35%
AROCLOR-1254	18	0	N/A	N/A	N/A	N/A	18	PA OR FR <=5*DL, OR =ND
							0	PA & FR >5*DL, RPD<=35%
							0	PA & FR >5*DL, RPD >35%
AROCLOR-1260	18	0	N/A	N/A	N/A	N/A	18	PA OR FR <=5*DL, OR =ND
							0	PA & FR >5*DL, RPD<=35%
							0	PA & FR >5*DL, RPD >35%
ARSENIC	5	5	13.59-13.59%	13.6%	N/A	N/A	4	PA OR FR <=5*DL, OR =ND
							1	PA & FR >5*DL, RPD<=35%
							0	PA & FR >5*DL, RPD >35%
BENZO(A)-ANTHRACENE	2	0	N/A	N/A	N/A	N/A	2	PA OR SD <=5*DL, OR =ND
							0	PA & SD >5*DL, RPD<=35%
							0	PA & SD >5*DL, RPD >35%
BENZO(A)-PYRENE	2	0	N/A	N/A	N/A	N/A	2	PA OR SD <=5*DL, OR =ND
							0	PA & SD >5*DL, RPD<=35%
							0	PA & SD >5*DL, RPD >35%
BENZO(B)-FLUORANTHENE	2	0	N/A	N/A	N/A	N/A	2	PA OR SD <=5*DL, OR =ND
							0	PA & SD >5*DL, RPD<=35%
							0	PA & SD >5*DL, RPD >35%
BENZO(K)-FLUORANTHENE	2	0	N/A	N/A	N/A	N/A	2	PA OR SD <=5*DL, OR =ND
							0	PA & SD >5*DL, RPD<=35%
							0	PA & SD >5*DL, RPD >35%
CHROMIUM	14	14	5.37-52.79%	20.5%	N/A	N/A	0	PA OR FR <=5*DL, OR =ND
							13	PA & FR >5*DL, RPD<=35%
							1	PA & FR >5*DL, RPD >35%
CHRYSENE	2	0	N/A	N/A	N/A	N/A	2	PA OR SD <=5*DL, OR =ND
							0	PA & SD >5*DL, RPD<=35%
							0	PA & SD >5*DL, RPD >35%
INDENO(1,2,3-CD)-PYRENE	2	0	N/A	N/A	N/A	N/A	2	PA OR SD <=5*DL, OR =ND
							0	PA & SD >5*DL, RPD<=35%
							0	PA & SD >5*DL, RPD >35%
LEAD	12	12	0.34-73.31%	3086.0%	N/A	N/A	0	PA OR FR <=5*DL, OR =ND
							8	PA & FR >5*DL, RPD<=35%
							4	PA & FR >5*DL, RPD >35%
RADIUM-226	16	16	N/A	N/A	N/A	N/A	16	PA OR FR <=5*DL, OR =ND
							0	PA & FR >5*DL, RPD<=50%, DER <=1
							0	PA & FR >5*DL, RPD >50%, DER <=1
							0	PA & FR >5*DL, RPD <=50%, DER >1
							0	PA & FR >5*DL, RPD >50%, DER >1
RADIUM-228	16	15	N/A	N/A	N/A	N/A	16	PA OR FR <=5*DL, OR =ND
							0	PA & FR >5*DL, RPD<=50%, DER <=1
							0	PA & FR >5*DL, RPD >50%, DER <=1
							0	PA & FR >5*DL, RPD <=50%, DER >1
							0	PA & FR >5*DL, RPD >50%, DER >1
2,4,6-TRINITRO-TOLUENE	1	1	30.30-30.30%	30.3%	N/A	N/A	0	PA OR FR <=5*DL, OR =ND
							1	PA & FR >5*DL, RPD<=35%
							0	PA & FR >5*DL, RPD >35%
THORIUM-230	16	16	N/A	N/A	N/A	N/A	16	PA OR FR <=5*DL, OR =ND
							0	PA & FR >5*DL, RPD<=50%, DER <=1
							0	PA & FR >5*DL, RPD >50%, DER <=1
							0	PA & FR >5*DL, RPD <=50%, DER >1
							0	PA & FR >5*DL, RPD >50%, DER >1
URANIUM-238	37	30	N/A	N/A	N/A	N/A	37	PA OR FR <=5*DL, OR =ND
							0	PA & FR >5*DL, RPD<=50%, DER <=1
							0	PA & FR >5*DL, RPD >50%, DER <=1
							0	PA & FR >5*DL, RPD <=50%, DER >1
							0	PA & FR >5*DL, RPD >50%, DER >1

PA = RESPECTIVE PARENT SAMPLE
FR = FIELD REPLICATE SAMPLE
DER = DUPLICATE ERROR RATIO
RPD = RELATIVE PERCENT DIFFERENCE
DL = DETECTION LIMIT

Appendix H Table H-5
Comparison of Data Quality Requirement Goals with Matrix Spike Duplicate Samples

Parameter	Number of Samples	Number of Detects	RPD Range	RPD Average	DER Range	DER Average	Evaluation and Summary of Detects
AROCLOR-1260	19	19	0.00-0.00%	0.0%	N/A	N/A	18 MS OR MD <=5*DL, OR =ND
							1 MS & MD >5*DL, RPD<=35%
							0 MS & MD >5*DL, RPD >35%
BENZO(A)-ANTHRACENE	2	2	0.00-11.49	5.8%	N/A	N/A	0 MS OR MD <=5*DL, OR =ND
							2 MS & MD >5*DL, RPD<=35%
							0 MS & MD >5*DL, RPD >35%
BENZO(A)-PYRENE	2	2	0.00-3.08%	1.5%	N/A	N/A	0 MS OR MD <=5*DL, OR =ND
							2 MS & MD >5*DL, RPD<=35%
							0 MS & MD >5*DL, RPD >35%
BENZO(B)-FLUORANTHENE	2	2	3.39-5.71%	4.6%	N/A	N/A	0 MS OR MD <=5*DL, OR =ND
							2 MS & MD >5*DL, RPD<=35%
							0 MS & MD >5*DL, RPD >35%
BENZO(K)-FLUORANTHENE	2	2	0.00-5.41%	2.7%	N/A	N/A	0 MS OR MD <=5*DL, OR =ND
							2 MS & MD >5*DL, RPD<=35%
							0 MS & MD >5*DL, RPD >35%
CHRYSENE	2	2	0.00-10.71	5.4%	N/A	N/A	0 MS OR MD <=5*DL, OR =ND
							2 MS & MD >5*DL, RPD<=35%
							0 MS & MD >5*DL, RPD >35%
INDENO(1,2,3-CD)-PYRENE	2	2	0.00-27.85	13.9%	N/A	N/A	0 MS OR MD <=5*DL, OR =ND
							2 MS & MD >5*DL, RPD<=35%
							0 MS & MD >5*DL, RPD >35%
2,4,6-TRINITRO-TOLUENE	1	1	8.00-8.00%	8.0%	N/A	N/A	0 MS OR MD <=5*DL, OR =ND
							1 MS & MD >5*DL, RPD<=35%
							0 MS & MD >5*DL, RPD >35%

MS = MATRIX SPIKE SAMPLE
MD = MATRIX SPIKE DUPLICATE SAMPLE
DER = DUPLICATE ERROR RATIO
RPD = RELATIVE PERCENT DIFFERENCE
DL = DETECTION LIMIT

Appendix H Table H-6

Comparison of Data Quality Requirement Goals with Matrix Spike Samples

PARAMETER	Number of		REC		Evaluation and	
	Samples	Detects	Range	Average	Summary of Detects	
AROCLOR-1260	19	19	71-124%	93.0%	19	REC +/- 40%
					0	REC > +/- 40%
ARSENIC	5	5	82-101%	90.0%	5	REC +/- 25%
					0	REC > +/- 25%
BENZO(A)ANTHRACENE	2	2	94-98%	96.0%	2	REC +/- 40%
					0	REC > +/- 40%
BENZO(A)PYRENE	2	2	73-77%	75.0%	2	REC +/- 40%
					0	REC > +/- 40%
BENZO(B)FLUORANTHENE	2	2	79-82%	81.0%	2	REC +/- 40%
					0	REC > +/- 40%
BENZO(K)FLUORANTHENE	2	2	88-93%	91.0%	2	REC +/- 40%
					0	REC > +/- 40%
CHROMIUM	14	14	79-107%	93.0%	14	REC +/- 25%
					0	REC > +/- 25%
CHRYSENE	2	2	64-67%	66.0%	2	REC +/- 40%
					0	REC > +/- 40%
INDENO(1,2,3-CD)PYRENE	2	2	75-77%	76.0%	2	REC +/- 40%
					0	REC > +/- 40%
LEAD	12	12	67-117%	91.0%	11	REC +/- 30%
					1	REC > +/- 30%