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Justification for Class III Permit Modification March 2006, SWMU 5, Operable Unit 1307, L WDS Drainfield at Technical Area V

Sandia National Laboratories/NM

Sandia National Laboratories

Justification for Class III Permit Modification

March 2006

SWMU 5
Operable Unit 1307
LWDS Drainfield at Technical Area V

RFI Report (NFA) Submitted September 1995
RSI Response Submitted January 1998
RSI Response Submitted October 1998
Supplemental Information Submitted December 2002
Supplemental Risk Submitted June 2005

Environmental
Restoration
Project

United States Department of Energy
Sandia Site Office

Sandia is a multiprogram laboratory operated by Sandia Corporation, a Lockheed Martin Company, for the United States Department of Energy's National Nuclear Security Administration under contract DE-AC04-94AL85000.

This work supported by the United States Department of Energy under contract DE-AC04-94AL85000.

SWMU 5
LWDS Drainfield

Environmental Restoration Project

Site History

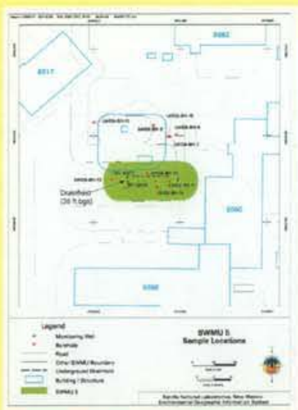
- SWMU 5, the LWDS Drainfield is an approximately 0.11-acre site located in Technical TA-V.
- The LWDS was designed to receive and discharge radioactive effluent from the SERF and other associated laboratories in Building 6580. The LWDS consists of the Holding Tanks (SWMU 52), the Drainfield (SWMU 5), and the Surface Impoundments (SWMU 4). The Drainfield, also referred to as Tank 3 of the system, is constructed of a concrete conduit filled with gravel and is approximately 30 ft below grade.
- The SERF operated from 1962 to 1971. Effluent from the SERF was released to the Holding Tanks to allow short-lived radionuclides to decay before discharge to the Drainfield.
- The Drainfield collapsed in 1967 and the unlined Surface Impoundments (SWMU 4) were built to receive effluent from the SERF.

Depth to Groundwater

- The regional aquifer is approximately 500 ft bgs.

Constituents of Concern

- VOCs
- SVOCs
- Metals
- Radionuclides



Summary of Investigations

- In March 1994 four soil boreholes (LWDS-05-BH11 through LWDS-05-BH14) were advanced and samples collected at approximately 5 ft intervals starting at approximately 25 ft bgs to depths of 50 to 70 ft bgs. Soil samples were analyzed by an off-site laboratory for VOCs, SVOCs, metals and radionuclides by gamma spectroscopy. Five VOCs and two SVOCs were detected. Eleven metals were detected above the background value. In addition, in one sample the MDAs for arsenic, beryllium, selenium, and thallium exceeded the background value. Cs-137, Th-232, and tritium had activities above the background value. Co-60 was detected in one sample.
- In 2001, monitoring well TAV-MW6 was installed within the boundaries of SWMU 5. Soil samples were collected at 20 ft bgs and at 20 ft intervals from 80 to 500 ft bgs. Soil samples were analyzed for VOCs and metals by an off-site laboratory and for radionuclides by gamma spectroscopy by an on-site laboratory. The soil samples collected at 20 ft bgs and from 120 to 500 ft bgs were also analyzed for tritium by an off-site laboratory. Nine metals were detected above background values. Five VOCs were detected. One sample had a tritium activity that exceeded the background value. The radionuclides, Ra-226, Th-232, and U-235 had activities that exceeded background values. Also, several of the soil samples had MDAs for U-235 that exceeded the background value.

Summary of Data Used for NFA Justification

- The number of samples used in the final risk assessment ranged from 48 to 91, depending on the analytical suite.

Recommended Future Land Use

- Industrial land use is established for this site.

Results of Risk Analysis

- Risk assessment results for the residential scenario are calculated per NMED risk assessment guidance in 2003 as presented in the "Supplemental Risk Document Supporting Class 3 Permit Modification Process."
- Because COCs were present in concentrations or activities greater than background-screening levels or because constituents were present that did not have background-screening levels, it was necessary to perform a risk assessment for the site. The risk assessment analysis evaluated the potential for adverse health effects for the residential land-use scenario.
- The total human health HI was 3.23 for the residential land-use scenario, which is greater than the NMED guideline of 1. The total estimated excess cancer risk was 1E-5 for the residential land-use scenario, which is equal to the NMED guideline of 1E-5. Using the UCLs of the mean concentrations for the main contributors to risk (antimony, arsenic, cadmium, chromium, and thallium), the total HI was reduced to 0.73 and the estimated excess cancer risk was reduced to 4E-7. Thus, the total HI and estimated excess cancer risk are below the NMED guidelines for a residential land-use scenario.
- The human health incremental TEDE for a residential land-use scenario was 5.5E-6 mrem/yr, which is below the EPA numerical guideline of 75 mrem/yr, and the human health incremental TEDE for an industrial land-use scenario was 6.0E-7mrem/yr, which is below the EPA numerical guideline of 15 mrem/yr. Therefore, SWMU 5 is eligible for unrestricted radiological release.
- Because all COCs at SWMU 5 are greater than 5 ft bgs, no complete ecological exposure pathways exist at this site, and no COCs are considered to be COPECs.
- In conclusion, human health risk under a residential land-use scenario and ecological risk are acceptable per NMED guidance. Thus, SWMU 5 is proposed for CAC without institutional controls.

Human Health Risk Assessment Values for SWMU 5 Nonradiological COCs

COC	Maximum/ UCL Concentration (mg/kg)	Residential Land-Use Scenario[a] (Maximum Concentration) Hazard Index	Residential Land-Use Scenario[a] (Maximum Concentration) Cancer Risk	Residential Land-Use Scenario[a] (UCL Concentration) Hazard Index	Residential Land-Use Scenario[a] (UCL Concentration) Cancer Risk
Inorganic					
Antimony	17.9/**5.34**	0.49	—	0.17	—
Arsenic	5.30/**3.89**	0.23	1E-5	Below Background[c]	Below Background[c]
Barium	239	0.03	—	0.03	—
Beryllium	0.735	0.00	7E-10	0.00	7E-10
Cadmium	51.1/**9.85**	1.31	4E-8	0.25	7E-9
Chromium, total[d]	12.4/**10.18**	0.19	2E-7	0.08	8E-8
Cobalt	9.8/7.3	0.03	1E-8	0.03	1E-8
Copper	34.2	0.03	—	0.01	—
Nickel	16	0.01	—	0.01	—
Selenium	1.27	0.00	—	0.00	—
Silver	17.1	0.03	—	0.01	—
Thallium	3.89/**1.09**	0.77	—	Below Background[c]	Below Background[c]
Vanadium	30.7	0.07	—	0.07	—
Zinc	67.3	0.00	—	0.00	—
Organic					
Acetone	0.0130	0.00	—	0.00	—
2-Butanone	0.0907	0.00	—	0.00	—
Di-n-butyl phthalate	68.3	0.01	—	0.02	—
bis(2-Ethylhexyl) phthalate	3.6	0.00	4E-8	0.00	4E-8
Methylene chloride	0.0096	0.00	1E-7	0.00	1E-7
4-Methyl-2-pentanone	0.00218	0.00	—	0.00	—
Toluene	0.051	0.00	—	0.00	—
Trichloroethene	0.0038	0.00	9E-8	0.00	9E-8
	Total	3.23	1E-5	0.73	4E-7
	NMED Guidance	<1	<1E-5	<1	<1E-5

UCL concentrations are in **bold**.
[a]EPA 1989
[b]Maximum concentration is one-half the detection limit.
[c]UCL concentration was below background screening level. Therefore, risk was not calculated.
[d]Chromium, total is considered to be Chromium VI (most conservative).

For More Information Contact

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Sandia National Laboratories

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Sandia National Laboratories

Albuquerque, New Mexico 87185-1147

date: September 6, 1995

to: M. L. Jones, MS-1067 (7000)

from: Lon A. Dawson, MS-1147 (7582)

subject: Results of the Liquid Waste Disposal System RCRA Facility Investigation

Enclosed is a copy of the Results of the Liquid Waste Disposal System RCRA Facility Investigation. I request your approval of the subject submission to the Environmental Protection Agency, Region 6 by September 27 in order to meet an FY95 submittal date. In addition to the report you will find a report summary and a transmittal letter to Mr. Michael J. Zamorski of the U.S. Department of Energy. Draft transmittal letters to EPA Region 6 and the NMED have already been provided to the DOE.

LAD:7582:lad
Attachments

Copy to: (w/o attachments)
MS 1315 T. E. Blejwas (7500)
MS 1147 W. B. Cox (7581)
MS 1147 F. B. Nimick (7582)
MS 1147 L. A. Dawson (7582)
MS 1147 M. J. Davis (7582)
MS 1147 Day File (7581)
MS 1309 EOC Records Center ER / MAN / COR

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Michael J. Zamorski
Area Manager Kirtland Area Office
Department of Energy
P.O. Box 5400
Albuquerque, NM 87115

Subject: Results of the Liquid Waste Disposal System RCRA Facility Investigation

Dear Mr. Zamorski:

Please find attached six (6) copies of Results of the Liquid Waste Disposal System RCRA Facility Investigation.

Please transmit two (2) copies of this submission to the EPA Region 6 offices in Dallas, TX, and two (2) copies to the State of New Mexico, Environment Department. If you have any questions regarding this report, please contact Warren Cox of my staff at 284-2549.

Sincerely,

LAD:7582:lad
attachments

Copy to (w/o attach):
K. Boardman, DOE/AL:ERPO
J. Gould, DOE/AL:ERPO
E. Sellers, DOE/AL:ERPO

MS 1315	T. E. Blejwas (7500)	
MS 1147	W. B. Cox (7581)	
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MS 1147	Day File (7581)	
MS 0361	M. L. Jones (7000)	
MS 1309	EOC Records Center	ER / MAN / COR

Sandia National Laboratories

Results of the Liquid Waste Disposal System RCRA Facility Investigation Sandia National Laboratories Albuquerque, New Mexico

September 1995

Environmental Restoration Project

United States Department of Energy
Albuquerque Operations Office

RESULTS OF THE LIQUID WASTE DISPOSAL SYSTEM RCRA FACILITY INVESTIGATION SANDIA NATIONAL LABORATORIES, ALBUQUERQUE, NEW MEXICO

September 1995

Prepared by

Lon Dawson
Sandia National Laboratories
Department 7582: Environmental Restoration
for Technical Areas and Miscellaneous Sites
Albuquerque, New Mexico 87185
for the United States Department of Energy
under contract DE-AC04-94AL85000

EXECUTIVE SUMMARY

Background

A significant portion of the nuclear design and engineering work performed at Sandia National Laboratories/New Mexico (SNL/NM) was conducted in Technical Area V (TA-V). The Liquid Waste Disposal System (LWDS) was designed to receive, monitor, and discharge radioactive effluent from the Sandia Experimental Reactor Facility (SERF) in TA-V. The LWDS consists of three holding tanks and an associated pumping system (Environmental Restoration [ER] Site 52), a drainfield (ER Site 5), and two surface impoundments (ER Site 4).

Starting in 1963, radioactive discharges drained to the holding tanks where they were monitored and then pumped into the drainfield. The discharge water washed away the soil near the drainfield. In 1967, the drainfield collapsed and would no longer accept water. Discharges were then directed into the impoundments. Radioactive discharges continued until 1971 when the SERF was decommissioned. From 1963 until 1971, the system received approximately 19 million gallons of waste water contaminated with approximately 35 curies of radionuclides. Nonradioactive discharges to the surface impoundments continued until 1992. Possible contaminants for all LWDS sites include radionuclides from the discharge of reactor cooling water, organic solvents/heavy metals from various industrial processes in TA-V, and polychlorinated biphenyls (from an unknown source in the LWDS surface impoundments only). Presently, the LWDS holding tanks discharge to a new TA-V Liquid Effluent Control System.

Investigation Work Plan

The LWDS investigation was performed in accordance with the *Liquid Waste Disposal System RCRA Facility Investigation Work Plan* (hereafter the "LWDS RFI work plan"). The investigation included collecting 80 surface soil samples and performing geophysical tests in the LWDS surface impoundments, drilling 16 boreholes, performing an internal investigation of the LWDS holding tanks and associated piping, and installing and sampling ground-water monitor wells at the LWDS surface impoundments and drainfield.

The LWDS RFI work plan has four basic objectives:

1. Define the nature and extent of contamination at each of the ER sites that comprise the LWDS,
2. Identify potential contaminant transport pathways,
3. Evaluate potential risks posed by the levels of contamination identified at the LWDS, and
4. Provide guidance for selecting remedial alternatives at the site, if necessary.

Data Evaluation

Data collected during the RCRA Facility Investigation (RFI) were evaluated several ways. Initially, a constituent population was statistically compared to natural background

using EPA-approved methods. Any constituent of concern failing the statistical comparison was further analyzed for its spatial distribution. Contamination at the LWDS demonstrated a strong spatial correlation with the discharge points, and the combination of statistical techniques with the use of process history provides a robust analysis. Constituents that failed the statistical comparison to background and showed a strong spatial correlation were identified as contaminants.

After a constituent was identified as a contaminant, the sample population was compared to RCRA proposed action levels and, in most cases, studied in a detailed risk assessment. A computer model developed by SNL/NM, called the Probabilistic Risk *Evaluation and Characterization Investigation System (Précis), was used. The basic* risk assessment methodology defined by the U.S. Environmental Protection Agency (EPA, 1989) has been modified to include a quantitative uncertainty analysis technique. The probabilistic risk assessment methodology is ideal for quantitatively assessing uncertainty. Site-specific sections list assumptions from the risk assessment methodology that relate to future land use and exposure unit definitions.

Results and Recommendations

In summary, contamination was detected at all three sites. Contamination levels are low, in most cases barely discernible above background, and are limited to the near surface of the LWDS surface impoundments, the vicinity of the LWDS drainfield, and inside the LWDS holding tanks. A detailed analysis of these contamination levels has been completed, and No Further Action is recommended for all three sites.

Trichloroethene and its degradation products are present in LWDS drainfield ground-water monitor well LWDS-MW1. These chemicals have not been detected in any LWDS ER sites and are most likely from another source area in TA-V. Further investigations of TA-V ground-water issues continue under the TA-III/V RCRA Facility Investigation.

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ACRONYMS AND ABBREVIATIONS

AEC	Atomic Energy Commission
API	American Petroleum Institute
COCs	constituents of concern
CSAMT	Controlled Source Audiofrequency Magnetotellurics
CWL	Chemical Waste Landfill
DOE	U.S. Department of Energy
EPA	U.S. Environmental Protection Agency
ER	Environmental Restoration
FID	flame ionization detector
FOP	Field Operating Procedure
GR	gamma ray
GM	Geiger Müeller
HCF	Hot Cell Facility
HERMES	High-Energy Radiation Megavolt Electron Source
HI	hazard index
HSWA	Hazardous and Solid Waste Amendments
ICR	incremental lifetime cancer risk
KAFB	Kirtland Air Force Base
KS	Kolmogorov-Smirnov (test)
LECS	Liquid Effluent Control System
LWDS	Liquid Waste Disposal System
MCL	maximum concentration limit
MEK	methyl ethyl ketone
MWL	Mixed Waste Landfill
N	neutron
NFA	No Further Action
NPDES	National Pollutant Discharge Elimination System
OU	Operable Unit
OVA	organic vapor analyzer
PCB	polychlorinated biphenyl
POTW	publicly-owned treatment works
Précis	Probabilistic Risk Evaluation and Characterization Investigation System
PVC	polyvinyl chloride
QA/QC	Quality Assurance/Quality Control
RCRA	Resource Conservation and Recovery Act
RFA	RCRA Facility Assessment
RFI	RCRA Facility Investigation
RPD	relative percent difference
SERF	Sandia Engineering Reactor Facility
SNL/NM	Sandia National Laboratories/New Mexico
SVOC	semi-volatile organic compound
SWHC	Site-Wide Hydrogeologic Characterization (Project)
SWMU	solid waste management unit
TA	Technical Area
TAL	target analyte list
TCE	trichloroethene
TPH	total petroleum hydrocarbons

TSP	trisodium phosphate
TTO	total toxic organics
USAF	U.S. Air Force
USGS	U.S. Geological Survey
UTL	upper tolerance limit
VOC	volatile organic compound
WRS	Wilcoxon Rank Sum (test)

bgl	below ground level
Ci	curie
cm	centimeter
cps	counts per second
°F	Fahrenheit degree
ft	foot
ft^2	square feet
ft/mi	feet per mile
g	gram
gal	gallon
gm/cc	grams per cubic centimeter
K_{sat}	saturated conductivity
in.	inch
m	meter
µg/L	micrograms per liter
mg/kg	milligrams per kilogram
mi	mile
mph	miles per hour
mrem/yr	millrem per year
msl	mean sea level
pCi/g	picocuries per gram
pCi/L	picocuries per liter
ppb	parts per billion
ppm	parts per million
s	second
yd	yard

Approximate Conversion Factors For Selected SI (Metric) Units

Multiply SI (Metric) Unit	By	To Obtain U.S. Customary Unit
Cubic Meters (m^3)	35	Cubic feet (ft^3)
Centimeters (cm)	0.39	Inches (in.)
Meters (m)	3.3	Feet (ft)
Kilometers (km)	0.62	Miles (mi)
Square kilometers (km^2)	0.39	Square miles (mi^2)
Hectares (ha)	2.5	Acres
Liters (L)	0.26	Gallons (gal)
Grams (g)	0.035	Ounces (oz)
Kilograms (kg)	2.2	Pounds (lb)
Micrograms per gram (µg/g)	1	Parts per million (ppm)
Milligrams per liter (mg/L)	1	Parts per million (ppm)
Celsius (°C)	9/5 + 32	Fahrenheit (°F)

1.0 INTRODUCTION

1.1 Site Background

A significant portion of the nuclear design and engineering work performed at Sandia National Laboratories/New Mexico (SNL/NM) was conducted in Technical Area V (TA-V). The Sandia Engineering Reactor Facility (SERF) located in TA-V consisted of a main reactor and experimental facilities housed in Buildings 6580 and 6581, and support facilities housed in Buildings 6582 and 6583 (Figure 1-1). Operation of these facilities resulted in the generation of industrial waste water, some of which contained low concentrations of radionuclides. The Liquid Waste Disposal System (LWDS) received and managed this waste water.

The LWDS consists of three holding tanks and the associated pumping system (Environmental Restoration [ER] Site 52), a drainfield (ER Site 5), and two surface impoundments (ER Site 4) (Figure 1-1). The LWDS received liquid effluent from the main reactor, experimental facilities, and support facilities in TA-V. The holding tanks received liquid effluent from the SERF during that facility's entire period of operation from 1962 to 1971. The drainfield was used from 1963 to 1967; it collapsed in 1967 and was replaced with the two surface impoundments. The impoundments were used to receive radioactive waste water from 1967 to 1971. Since 1971, the holding tanks have received nonradioactive waste water from the Hot Cell Facility (HCF) housed in Building 6580. The nonradioactive waste water was discharged to the impoundments until October 1992. Currently, the holding tanks drain to a new Liquid Effluent Control System (LECS). The LECS receives and holds all TA-V process water for sampling prior to discharge to the City of Albuquerque publicly-owned treatment works (POTW).

1.2 RFI Work Plan Overview and Objectives

All LWDS work has been performed in accordance with the *Liquid Waste Disposal System RCRA Facility Investigation Work Plan* (hereafter the "LWDS RFI work plan") approved by the U.S. Environmental Protection Agency (EPA), Region VI in 1994 (SNL, 1994a). The LWDS RFI work plan outlined an investigation strategy that included:

- Collecting surface soil samples at the LWDS surface impoundments;
- Performing surface geophysical tests at the LWDS surface impoundments;
- Drilling and sampling boreholes at the LWDS surface impoundments, drainfield, and holding tanks;

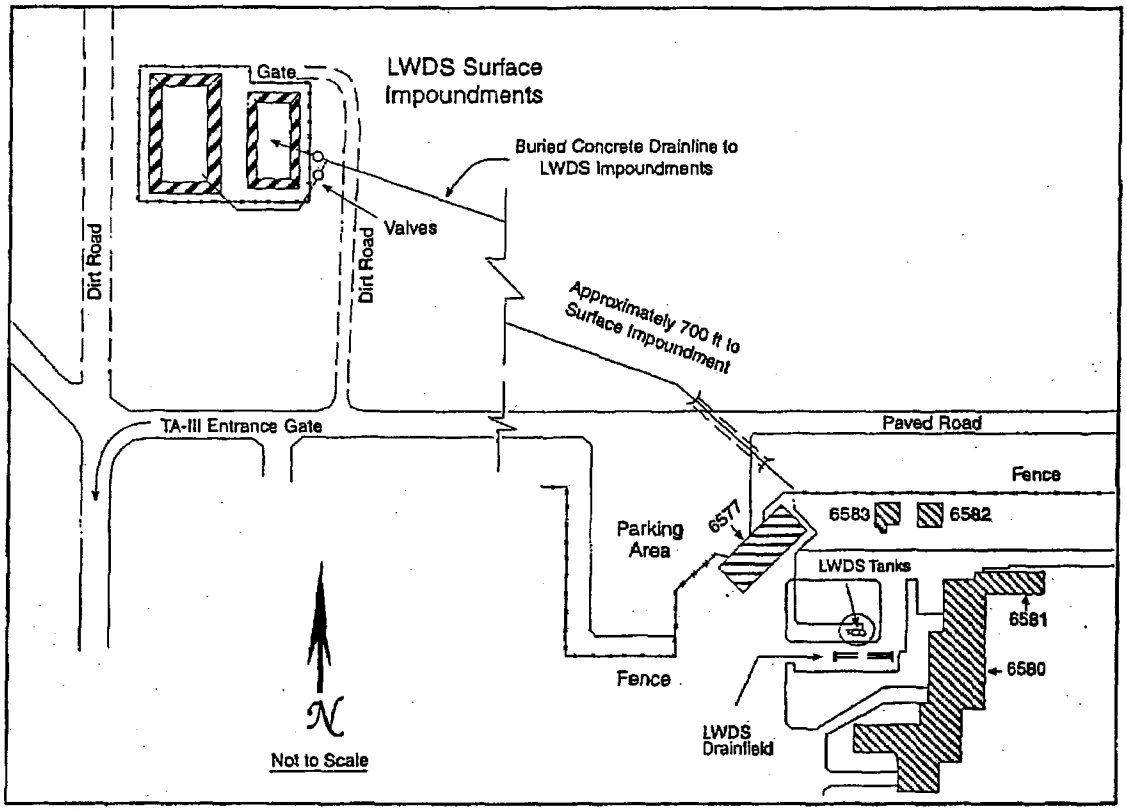

Figure 1-1. Liquid Waste Disposal System Site Map

- Performing an investigation of the LWDS holding tanks internal contents and associated piping; and
- Installing and sampling ground-water monitoring wells at the LWDS surface impoundments and drainfield.

The LWDS RFI work plan also described data analysis methods, including a comparison to background and health-based cleanup concentrations and activities.

In summary, there were four overall objectives of the LWDS RFI work plan:

1. Define the nature and extent of contamination at each of the three LWDS ER sites;
2. Identify potential contaminant transport pathways;
3. Evaluate potential risks posed by the levels of contamination identified, if present; and
4. Provide guidance for remedial alternatives at the sites, if necessary.

2.0 ENVIRONMENTAL SETTING

2.1 Climate

In general, the weather for Albuquerque and vicinity, including SNL/NM, is typical of high-altitude, dry continental climates. The normal daily temperature ranges from 23°F to 52°F in the winter months and from 57°F to 91°F in the summer months. The average annual relative humidity is approximately 46 percent; however, the relative humidity can range from a low of 5 percent to a high of 70 percent (Bonzon et al., 1974).

The average annual precipitation for the Albuquerque area is 8.54 in. The average monthly precipitation ranges from a minimum of less than 0.5 in. in the winter months to approximately 1.5 in. in the summer months. Mean annual snowfall in the Albuquerque area is approximately 11 in. Summer precipitation, particularly July through August, is usually in the form of heavy thundershowers that typically last less than 1 hour at any given location (Williams, 1986). Average annual pan evaporation at Albuquerque International Sunport weather station 224 is 89 in. (U.S. National Weather Service, 1982).

Under normal conditions, wind speeds seldom exceed 32 mph and are generally less than 8 mph (Bonzon et al., 1974). Strong winds, often accompanied by blowing dust, occur mostly in late winter and early spring. During these months, the prevailing surface winds are from the east. Rapid nighttime ground cooling produces strong temperature inversions and strong drainage winds down the Tijeras Canyon.

2.2 Surface Features

Cultural Surface Features

The LWDS holding tanks and drainfield are located within TA-V. TA-V, which encompasses approximately 23 acres, contains approximately 20 permanent structures and 30 temporary buildings and trailers. The LWDS holding tanks and drainfield were constructed below grade; as such, the only visible surface features are the accesses to holding tanks 2 and 4, and the tank vents.

The surface impoundments are located approximately 1000 ft northwest of TA-V (Figure 1-1). Except for monitor well LWDS-MW2, no permanent structures exist at the surface impoundments. The surface impoundments also were constructed below grade.

Impoundment 1 is approximately 8100 ft^2 with dimensions of 65 ft by 125 ft by 12 ft deep. Impoundment 2 is approximately 9400 ft^2 with dimensions of 102 ft by 92 ft by 20 ft deep. The original size may have changed slightly as a result of sidewall erosion and the subsequent deposition of the eroded soil on the impoundment floors.

The *Technical Areas 3 and 5 RCRA Facility Investigation Work Plan* describes other TA-V facilities in further detail (SNL, 1993).

Natural Surface Features

The LWDS is approximately 4 mi west of the Manzano Mountains and 7 mi east of the Rio Grande. Elevations at the LWDS range from 5400 ft above sea level at the surface impoundments to 5440 ft above sea level near the holding tanks. The immediate vicinity is a gently sloping plain.

2.3 Surface Water

Surface water is rarely present in the LWDS vicinity. During large rainstorms, surface water may pond in depressions that remain after grading operations within TA-V. After the storms, the ponds evaporate quickly.

2.4 Geology

2.4.1 Regional Geology

The Albuquerque-Belen structural basin is one of the largest north-south trending basins in the Rio Grande trough. The basin is a compound graben measuring 90 mi long and 30 mi wide, bordered by uplifted fault blocks to the east and west (Bjorklund and Maxwell, 1961). The eastern boundary is marked by the Sandia, Manzanita, and Manzano mountains. The western side of the basin is bounded by the Lucero uplift, with the Ladron Mountains to the south and minor physiographic relief to the northwest.

Erosion from the surrounding highlands has filled the Albuquerque basin with up to 9000 ft of sediments. This sequence of sediments, the Santa Fe Group Formation, consists of debris flows and channel, flood plain, and aeolian deposits. The Santa Fe Group thins toward the basin edges and is truncated by the bounding uplifts. The Miocene- and Pliocene-age Santa Fe Group sediments are interbedded with Tertiary and Quaternary basalts and pyroclastics, and are overlain in places by the Pliocene Ortiz gravel deposits and Rio Grande fluvial deposits (Bjorklund and Maxwell, 1961).

2.4.2 Local Geology

From August 1992 to May 1993, the U.S. Geological Survey (USGS) collected lithologic and hydrogeologic data beneath the LWDS during drilling operations. Information was collected from 16 boreholes and 2 ground-water monitor wells.

The sediments underlying the LWDS facility consist of alluvial fan deposits derived from the Manzanitas to the east. On a local scale, alluvial fan deposits are characterized by great internal variability, and detailed correlations are not feasible. On a larger scale, however, general trends can be observed laterally and vertically.

The borehole geophysical logs provide a continuous, normalized indirect measurement of the relative amount of "fines" in the sediment via the gamma-ray (GR) and neutron (N) curves. The GR log measures the natural radioactivity emitted primarily from the potassium-40 of the clays and the potassium feldspars. Increasing GR response (in counts per second) generally indicates an increasing percentage of fine sediments. The N log measures the relative concentration of the hydrogen (H) ion of water in the sediment, and because many clays contain chemically bound H in their crystal lattices, a decreasing N response generally indicates an increasing percentage of clayey sediments. Below the water table, the N becomes "saturated" and cannot be used for lithologic control. The generally increasing GR and decreasing N readings downward in both LWDS-MW1 and LWDS-MW2 wells (Figures 2-1 and 2-2) indicate the decrease with depth in average sediment grain size.

Continuous core was collected and described for LWDS-MW1 and soil samples were collected for grain-size analysis and saturated conductivity (K_{sat}) at 20-ft intervals. The results of these measurements and lithologic descriptions indicate that coarse-grained sediments dominate the upper section and that grain size decreases downward to approximately 490 ft and support the interpretation of the geophysical logs. The top of the section is dominated by high-energy episodic debris flows that deposited coarse-grained loads near the head of an alluvial fan derived from the eroding mountains to the east. As depth increases, the lithology indicates a more tranquil depositional environment at the toe of the alluvial fan. This lithologic variation is consistent with the regional depositional pattern of coarser material deposited over fine material

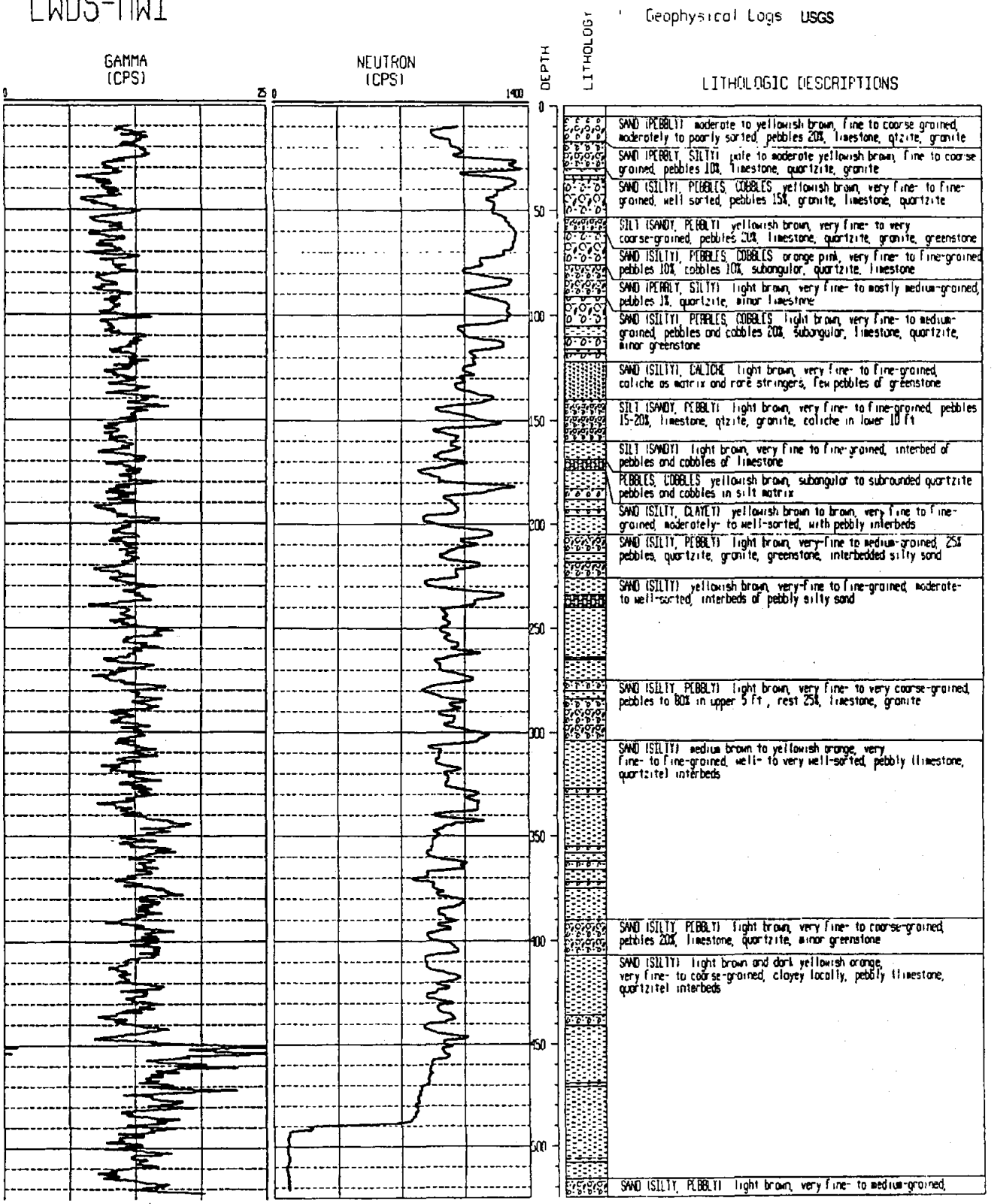

Figure 2-1. LWDS-MW1 Geophysical and Lithologic Log

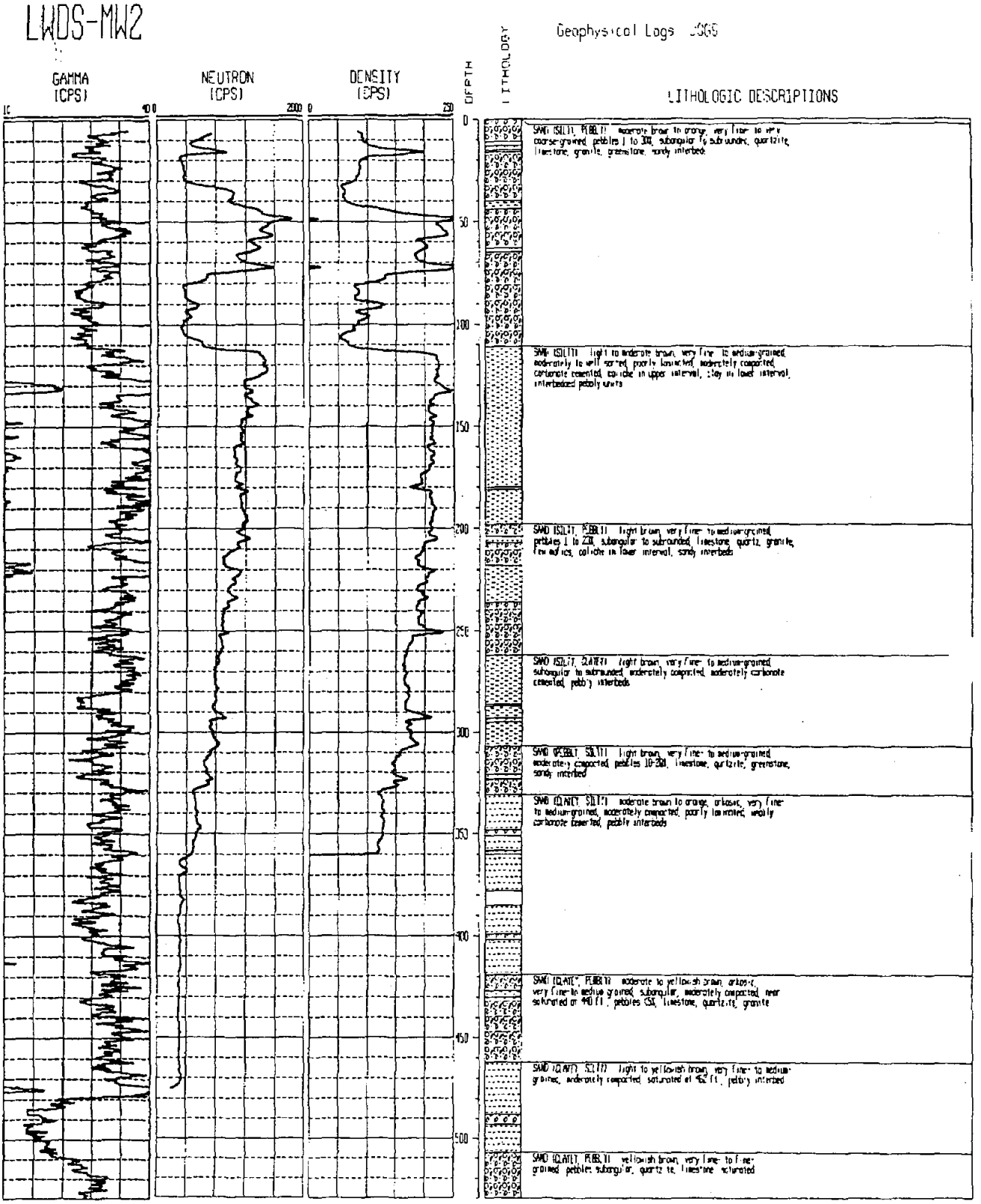

Figure 2-2. LWDS-MW2 Geophysical and Lithologic Log

over time. Below 490 ft, the grain size and K_{sat} increases slightly, possibly suggesting a new sequence. The alluvial fan package in LWDS-MW2 appears similar. Below approximately 480 ft, the GR readings diminish, suggesting the same coarsening seen below 490 ft in LWDS-MW1.

Petrographic analysis was performed with seven samples collected from LWDS-MW1. The samples were collected at selected points from archived core to represent the different layers defined in lithologic and geophysical logs. This analysis showed that mineralogy plays no significant role in the vertical variation in K_{sat}. The general decrease in K_{sat} downward is the result of a decrease in average grain size.

2.5 Hydrogeology

The Rio Grande, located 8 mi to the west, flows in a southerly direction and is the primary surface drainage feature in the Albuquerque-Belen basin. In the basin, the ground-water system is controlled by the Rio Grande and its flood plain, tributary inflow, mountain front runoff, and recharge.

The principal aquifer in the area occurs in the unconsolidated and semiconsolidated sands, gravels, silts, and clays of the Santa Fe Group Formation. The aquifer is generally unconfined, although semiconfined conditions may exist locally because of discontinuous, lenticular silt and clay-rich deposits.

Beneath Kirtland Air Force Base (KAFB), the regional aquifer generally flows toward the Rio Grande at an average gradient of approximately 10 ft/mi; however, local perturbations in the water table are caused by municipal wells as well as lithologic and structural heterogeneity. Before extensive development of the regional aquifer by the City of Albuquerque and KAFB, the predominant ground-water flow direction in the SNL/KAFB area was west-southwest (Bjorklund and Maxwell, 1961); however, municipal pumping by the City of Albuquerque and KAFB has substantially affected the natural ground-water flow regime (Reeder et al., 1967; Kues, 1987). The KAFB production wells have a substantial effect on the hydraulic gradient in the area, creating a cone of depression in the potentiometric surface in the northern portion of KAFB. USGS projections indicate that, by the end of the century, the water table in the Albuquerque area will drop an estimated 30 to 50 ft from 1989 levels (Reeder et al., 1967).

The primary source of ground water in the LWDS area is found primarily in the unconsolidated and semiconsolidated sedimentary deposits of the basin-fill aquifer. A relatively thick unsaturated zone of approximately 460 ft overlies this aquifer. The basin-fill aquifer underlying the LWDS site is recharged primarily by inflow from the mountain areas to the east. Recharge resulting from direct infiltration of precipitation is minor due to the high evaporation, low precipitation rates, and an extensive vadose zone.

3.0 DATA EVALUATION

Data collected during the LWDS investigation were evaluated several ways. Constituents of concern (COCs) are those contaminants that have been identified as possibly being released at a site. Analytical data were examined to determine whether each COC is actually present at the site as a contaminant. This involved a statistical comparison to background coupled with an examination of the spatial distribution of the constituent. Initially, a constituent's concentrations were compared to natural background using EPA-approved methods, as described in Section 3.2.4. Any COC failing the statistical comparison to background (i.e., could not be proven to be within background with 95 percent confidence) was further examined for spatial distribution. Contamination at the LWDS was proven to have a strong spatial correlation to the discharge points in the drainfield and impoundments. COCs that failed the statistical comparison to background and showed a strong spatial correlation were identified as contaminants.

After a constituent is identified as a contaminant, the sample population is compared to EPA action levels and, in most cases, studied in a detailed transport and risk assessment. A SNL/NM-developed computer program, Probabilistic Risk Evaluation and Characterization Investigation System *(Précis)* (Knowlton, 1994), analyzed all contaminants for a particular site (organic compounds, radionuclides, and RCRA metals). The following sections describe this process in greater detail.

3.1 Summary of Quality Assurance/Quality Control Activities

All field activities performed at the LWDS during the implementation of the LWDS RFI work plan (SNL, 1994a) followed strict Quality Assurance/Quality Control (QA/QC) protocols. These protocols in part comprise the collection of the appropriate field QC samples, including equipment blanks, method blanks, duplicate samples, matrix and matrix spike duplicate samples, and trip blanks. QA/QC samples accounted for no less than 5 percent of all samples collected for the RFI investigation.

The QA/QC samples proved to be invaluable during the evaluation of the analytical results. This was particularly germane when reviewing the analytical data for volatile organic compounds (VOCs). Throughout the investigation, common laboratory contaminants including methylene chloride, methyl ethyl ketone (MEK), and acetone

were consistently identified in both the field samples and the QC samples. The consistent presence of these constituents in method blanks and trip blanks suggests that they are attributable to laboratory contamination. Accordingly, low levels of VOC results for these analytes were not considered indicative of organic contamination.

QA/QC procedures employed during this investigation also included verification and validation of the analytical results according to guidelines from AOP94-27 (SNL, 1994b). This verification includes reviewing sample holding times, equipment rinsate, method and trip blank results, and comparing duplicate samples. Some analytical results for individual parameters were out of compliance with respect to one or more of these criteria. Chromium-VI was especially problematic due to the 1-day holding time which could not be met by the off-site laboratory. Table 3-1 identifies those analytes and associated samples evaluated as being out of compliance with programmatic and regulatory requirements. There were relatively few noncompliances, so that the overall integrity of the data package is not expected to be affected.

3.2 Statistical Analysis of Background

As part of the Site-Wide Hydrogeologic Characterization (SWHC) Project, a statistical analysis of the background population was performed. The methodology and analysis results are summarized in the remainder of this section, and are presented in greater detail in the report entitled *Background Concentrations of Constituents of Concern to the Sandia National Laboratories/New Mexico Environmental Restoration Project Phase II: Interim Report,* dated October 1994 (IT, 1994a). The purpose of the SWHC Project investigation was to determine the background concentrations for constituents that occur naturally at SNL/NM, including metals and radionuclides. This investigation included compiling analytical data from samples collected during ER activities at SNL/NM. These data were culled; all samples that were contaminated or had elevated detection limits were removed. The data distribution was then determined, and depending upon the distribution, either a 95-percent upper tolerance limit (UTL) or a nonparametric 95th-percentile value was calculated.

As required in the LWDS RFI work plan, a site-specific background study was also conducted at the LWDS. Sixteen surface-soil background and one duplicate surface-soil sample were collected from an area located northeast of the LWDS surface impoundments. A 50-ft by 50-ft grid was established in this area, situated approximately 1000 ft upwind. Sample collection procedures were identical to those used in the

Table 3-1
Analytes and Associated Samples in Noncompliance

Parameter	Test Method	Sample Type	Number in Noncompliance	Total Samples	Percent in Noncompliance	QC Flag[a]
Cadmium	6010[b]	Field, Duplicate	2	392	0.5	D
Chromium	6010[b]	Field, Duplicate	8	392	2.1	D
Cobalt-60	Gamma Spectroscopy	Field, Duplicate	4	391	1.0	D
Copper	6010[b]	Field, Duplicate	14	381	3.7	D
Iron	6010[b]	Field, Duplicate	4	385	1.0	D
Lead	6010[b]	Field, Duplicate	4	45	8.9	D
Lead	7421[b]	Field, Duplicate	4	399	1.0	D
Lead-212	Gamma Spectroscopy	Field, Duplicate	8	525	1.5	D
Lead-214	Gamma Spectroscopy	Field, Duplicate	2	525	0.3	D
Manganese	6010[b]	Field, Duplicate	4	392	1.0	D
Nickel	6010[b]	Field, Duplicate	4	392	1.0	D
Potassium	6010[b]	Field, Duplicate	4	392	1.0	D
Potassium-40	Gamma Spectroscopy	Field, Duplicate	2	525	0.3	D
Radium-226	Gamma Spectroscopy	Field, Duplicate	2	525	0.3	D
Radium-228	Gamma Spectroscopy	Field, Duplicate	4	525	0.6	D
Silver	6010[b]	Field, Duplicate	2	392	0.5	D
Sodium	6010[b]	Field, Duplicate	2	392	0.5	D
Thallium-208	Gamma Spectroscopy	Field, Duplicate	6	525	1.1	D
Thorium-228	Gamma Spectroscopy	Field, Duplicate	4	525	0.6	D
Thorium-232	Gamma Spectroscopy	Field, Duplicate	2	525	0.3	D
Tritium	EPA H-01[b]	Field, Duplicate	20	386	5.2	D
Vanadium	6010[b]	Field, Duplicate	4	392	1.0	D
Zinc	6010[b]	Field, Duplicate	4	392	1.0	D
			114			

[a] D denotes the sample is outside the relative percent difference (RPD) range. H1 denotes missed holding time for analysis. H2 denotes missed holding time for extraction or analysis.
[b] Reference: U.S. Environmental Protection Agency (EPA), 1986, "Test Methods for Evaluating Solid Waste," Volume IA: "Laboratory Manual Physical/Chemical Methods," SW-846, Third Edition, EPA, Office of Solid Waste and Emergency Response, Washington, DC (November 1986).

Table 3-1
Analytes and Associated Samples in Noncompliance (Concluded)

Parameter	Test Method	Sample Type	Number in Noncompliance	Total Samples	Percent in Noncompliance	QC Flag[a]
VOCs	8240[b]	Field	2	505	0.3	H1
Chromium-VI	7196[b]	Field, Duplicate	86	86	100	H1
Mercury	7471[b]	Field, Duplicate	20	394	5.0	H1
			108			
SVOCs	8270[b]	Field, Duplicate	34	452	7.5	H2
			34			

[a] D denotes the sample is outside the relative percent difference (RPD) range. H1 denotes missed holding time for analysis. H2 denotes missed holding time for extraction or analysis.

[b] Reference: U.S. Environmental Protection Agency (EPA), 1986, "Test Methods for Evaluating Solid Waste," Volume IA: "Laboratory Manual Physical/Chemical Methods," SW-846, Third Edition, EPA, Office of Solid Waste and Emergency Response, Washington, DC (November 1986).

Note: VOCs = volatile organic compounds; SVOCs = semi-volatile organic compounds.

surface sampling conducted at the impoundments. The LWDS background data were included in the SWHC Project effort; the LWDS background populations were within SWHC background. However, the SWHC Project-determined background populations were used for data evaluation in this report, rather than the LWDS background data, for several reasons.

- The data sets were much larger;
- The SWHC Project approach was developed to be consistent with current EPA guidance, and the report has been submitted to the EPA; and
- The LWDS background soil samples did not replicate the lithologic range exhibited by the LWDS ER sites.

Advantages of using the site-wide approach included lower cost, greater efficiency, a larger database of individual analyses, and the development of consistent values for the entire facility. Potential disadvantages of the site-wide approach are that it may yield a broader range of values for each COC than is directly pertinent to the LWDS, and it may not be statistically valid if several distinct populations (e.g., from different lithologies) are included in the data set. The latter is addressed by separately checking each data set for multiple populations.

3.2.1 Background Metals in Soil

Seven of the fourteen metals identified in soil samples (barium, beryllium, cadmium, total chromium, copper, nickel, and zinc) were lognormally distributed and therefore analyzed using standard parametric statistical methods consistent with EPA-recommended protocol. No data exist for mercury, tin, or zirconium. Lead, chromium-VI, silver, and total uranium were analyzed using nonparametric methods either because the final working data set possessed a high percentage of nondetect values, or because the distribution was multimodal. Table 3-2 summarizes all critical statistical parameters determined for each constituent. In each case, either a 95-percent UTL (normal or lognormal distribution) or a 95th percentile (nonparametric distribution) was calculated. Several concentration values were rejected a priori for being approximately three to four times greater than the next highest value. Very few additional outliers were identified in the working data sets.

Table 3-2
Summary of Background Concentrations for Metals in Soil
(adapted from IT,1994a)

Analyte	Original Number of Samples	Number of Detects	Number of Rejected Samples	Distribution Type	Range (mg/kg)	Sample Size	Geometric Mean (mg/kg)	Median (mg/kg)	95% Upper Tolerance Limit (mg/kg)	95th Percentile (mg/kg)
Barium	964	951	169	Lognormal	0.13–730	795	55.76	66.20	398.1	N/A
Beryllium	436	408	103	Lognormal	0.1–1.1	331	0.317	0.33	0.8	N/A
Cadmium	914	209	738	Lognormal	0.1–8.5	176	0.411	0.50	3.5	N/A
Total Chromium	1016	994	18	Lognormal	0.01–58.1	998	5.71	5.70	22.9	N/A
Chromium-VI	118	53	7	Unknown[a]	<detection limit (<0.02)	111	<detection limit (<0.02)	<detection limit (<0.02)	N/A	<detection limit (<0.02)
Copper	407	404	15	Lognormal	1.0–29.0	392	6.179	6.20	16.7	N/A
Lead	738	438	48	Nonparametric	1.0–110.0	690	4.575	4.40	N/A	15.0
Mercury	0	0	0	Unknown[a]	N/A	0	N/A	N/A	N/A	N/A
Nickel	407	397	4	Lognormal	1.0–30.9	403	6.283	6.30	15.4	N/A
Silver	972	236	725	Nonparametric	0.05–10.0	247	0.741	1.0	N/A	4.0
Zinc	161	161	3	Lognormal	8.3–59.9	158	22.15	21.0	46.7	N/A
Zirconium	0	0	0	Unknown[a]	N/A	0	N/A	N/A	N/A	N/A

[a] Constituents of concern are of unknown distribution type because data are either unusable or nonexistent.
Note: mg/kg = milligrams per kilogram; N/A = Not applicable.

Numerous points representing suspected barium contamination at TA-II were deleted from the overall barium data set, despite the fact that they were not determined to be outliers. This action was justified because barium disposal occurred at the site and the probability plot indicated the presence of two distinct populations. Moreover, an independent statistical background study (IT, 1993) concluded that the observed second population of barium is likely due to anthropogenic activities.

Metal concentration ranges were similar for surface and subsurface data; however, surface-sampling coverage was generally better, resulting in a higher range of values. Better coverage results in a greater observed data range because of the approximately lognormal distribution of the metals; however, total chromium has a higher median at the surface, whereas the other metals for which data are now available (barium, beryllium, cadmium, copper, lead, nickel, total uranium, silver, and zinc) have higher values in the subsurface. With the exception of zinc, the differences between median values for the surface and the subsurface data are minor. Furthermore, the observed variability in the data may be attributable to grain-size differences of the individual samples.

3.2.2 Background Radionuclides in Soil

Eleven of the nineteen naturally-occurring radionuclides (bismuth-212, bismuth-214, cesium-137, cobalt-60, lead-210, radium-224, radium-228, strontium-90, uranium-234, uranium-235, and uranium-238) were analyzed using nonparametric methods because they are either multimodally distributed or have too few detects. Six of the remaining eight radionuclides are either approximately normally distributed (potassium-40) or approximately lognormally distributed (lead-212, lead-214, radium-226, thorium-232, and thorium-234) and were analyzed using standard parametric statistical methods. No background data are available for radon or tritium.

Table 3-3 summarizes all critical statistical parameters determined for each radionuclide COC. In each case, either a 95-percent UTL (normal or lognormal distribution) or a 95th percentile (nonparametric distribution) was calculated. Whereas a few points were rejected a priori, few additional outliers were identified in any of the radionuclide data sets. TA-V consistently has a greater observed range and higher median values for radionuclides than do the other areas. Some high values for cesium-137 in soil collected from TA-V were identified on the distribution plots and were subsequently rejected from the overall data set as suspected contamination.

Table 3-3
Summary of Background Concentrations for Radionuclides in Soil
(adapted from IT, 1994a)

Analyte	Original Number of Samples	Number of Detects	Number of Rejected Samples	Distribution Type	Range (pCi/g)	Sample Size	Geometric Mean (pCi/g)	Median (pCi/g)	95th Upper Tolerance Limit (pCi/g)	95th Percentile (pCi/g)
Bismuth-212	324	17	307	Nonparametric	0.414–2.7	17	1.1055	1.0	N/A	2.7
Bismuth-214	340	321	19	Nonparametric	0.27–1.4	321	0.648	0.6	N/A	0.8
Cesium-137 (Surface) (Subsurface)	802 N/A N/A	561 N/A N/A	26 N/A N/A	N/A Nonparametric Unknown[a]	N/A 0.004–10.1 <detection limit (<0.0686)	N/A 604 172	N/A 0.200 <detection limit (<0.0686)	N/A 0.2495 <detection limit (<0.0686)	N/A N/A N/A	N/A 0.92 <detection limit (<0.0686)
Cobalt-60	321	11	74	Unknown[a]	<detection limit (<0.0418)	247	<detection limit (<0.0418)	<detection limit (<0.0418)		<detection limit (<0.0418)
Lead-210[b]	338	40	292	Nonparametric	0.3–12.0	46	2.26838	2.835	N/A	6.8
Lead-212[b]	323	233	90	Lognormal	0.1–1.4	233	0.49689	0.5	1.1	N/A
Lead-214[b]	249	241	9	Lognormal	0.29–1.13	240	0.549	0.56	0.9	N/A
Potassium-40	722	720	4	Normal	0.192–31.0	718	15.889	16.4	25.34	N/A
Radium-224	24	24	0	Nonparametric	0.43–0.97	24	0.6747	0.655	N/A	0.968
Radium-226	368	53	314	Lognormal	0.5–2.09	54	0.713	0.590	1.9	N/A
Radium-228	24	24	0	Nonparametric	0.45–1.05	24	0.695	0.630	N/A	1.05
Radon	0	0	0	Unknown[a]	N/A	0	N/A	N/A	N/A	N/A
Strontium-90	54	45	9	Nonparametric	0.032–1.85	45	0.2528	0.2883	N/A	0.77
Thorium-232	136	136	0	Lognormal	0.23–1.20	136	0.7971	0.810	1.3	N/A
Thorium-234	365	52	330	Lognormal	0.324–3.0	35	0.7796	0.71	2.9	N/A
Tritium	0	0	0	Unknown[a]	N/A	0	N/A	N/A	N/A	N/A
Uranium-234	4	4	0	Nonparametric	0.8–1.0	4	0.897	0.9	N/A	1.0
Uranium-235	95	21	75	Nonparametric	0.05–0.18	20	0.1198	0.1235	N/A	0.17
Uranium-238	223	206	17	Nonparametric	0.0033–2.065	206	0.506	0.763	N/A	1.1

[a] Constituents of concern are of unknown distribution type because data are either unusable or nonexistent.
[b] These constituents are not listed as constituents of concern in Table A-1 of Appendix A for this media.
Note: pCi/g = picocuries per gram; N/A = Not applicable.

Several COCs are part of the naturally-occurring uranium-decay series. Because total uranium (Section 3.2.1) and its isotopes are apparently bimodally distributed, the daughter products might also be bimodally distributed. Some COCs show bimodal distribution; however, in a few cases (lead-212, lead-214, radium-226, thorium-232, and thorium-234) the use of standard statistical methods showed approximately lognormally distributed COCs. Except for potassium-40, most of the radionuclides are closer to lognormal than normal distribution type as evidenced by the probability plots.

Several radionuclides showed a broader range of values at the surface than in the subsurface. The reason for this difference is twofold: (1) there were more samples collected for the surface data set, so a greater total number of high values would be expected from the lognormal distribution seen for some of the COCs; and (2) several of the COCs that have been deposited as atmospheric fallout from global nuclear weapons testing are readily adsorbed onto soil and may not have yet reached the subsurface. In that event, however, those COCs associated with atmospheric fallout should be evenly distributed across SNL/NM as well as off-site. For some COCs (e.g., cesium-137 and potassium-40) no significant difference is observed between off-site and on-site localities and/or between on-site localities.

3.2.3 Metals and Nitrates in Ground Water

Background analyses for ground water were performed on a regional basis, rather than by individual area. Due to insufficient data, no statistical analysis was performed with respect to depth.

Of the 14 COCs assessed for ground water, only barium and nitrate had a sufficient number of detects to apply standard statistical methods to characterize the distributions. Where possible, either a UTL (lognormal distribution) or a 95th percentile (nonparametric distribution) was calculated and is tentatively proposed as the background value for the appropriate regions. Table 3-4 summarizes the geometric means, medians, ranges, sample sizes, and UTLs or 95th percentiles. Although most COCs in ground water appear to be approximately lognormally distributed, nonparametric analyses were required for cadmium, total chromium, and lead because of the high proportion of nondetect values. Sufficient data are available for barium, total chromium, and lead to calculate a 95th percentile that is above the stated detection limit of the analyses. Cadmium, nickel, and silver have sufficient data to confirm that the geometric means, medians, and the 95th percentiles are below the detection

Table 3-4
Summary of Background Concentrations for Metals and Nitrate plus Nitrite in Ground Water
(adapted from IT, 1994a)

Analyte	Original Number of Samples	Number of Detects	Number of Rejected Samples	Distribution Type	Range (mg/L)	Sample Size	Geometric Mean (mg/L)	Median (mg/L)	95th Upper Tolerance Limit (mg/L)	95th Percentile (mg/L)
Barium	272	75	197	Lognormal	0.001–1.3	91	0.056	0.07	N/A	1.0
Beryllium	52	0	51	Unknown[a]	<detection limit (<0.002)	1	<detection limit (<0.002)	<detection limit (<0.002)	N/A	N/A
Cadmium	220	1	161	Nonparametric	0.0025–0.017	59	<detection limit (<0.005)	<detection limit (<0.005)	N/A	<detection limit (<0.005)
Total Chromium	476	13	386	Nonparametric	0.0005–1.6	90	0.006	0.01	N/A	0.25
Chromium-VI	78	0	78	Unknown[a]	N/A	0	N/A	N/A	N/A	N/A
Copper	52	0	50	Unknown[a]	N/A	2	N/A	N/A	N/A	N/A
Lead	223	4	163	Nonparametric	0.02–0.92	60	0.023	0.02	N/A	0.04
Nickel	98	0	52	Unknown[a]	<detection limit (<0.04)	46	<detection limit (<0.04)	<detection limit (<0.04)	N/A	N/A
Nitrate + Nitrite	131	69	62	Lognormal	1.0–17.0	69	2.881	3.0	12.1	N/A
Silver	213	0	155	Unknown[a]	<detection limit (<0.01)	58	<detection limit (<0.01)	<detection limit (<0.01)	N/A	N/A
Tin	28	0	28	Unknown[a]	N/A	0	N/A	N/A	N/A	N/A
Zinc	111	0	107	Unknown[a]	<detection limit (<0.02)	4	<detection limit (<0.02)	<detection limit (<0.02)	N/A	<detection limit (<0.02)

[a] Constituents of concern are of unknown distribution type because data are either unusable or nonexistent.
Note: mg/L = milligrams per liter; N/A = not applicable.

limits of analyses for the entire sampling area. Sufficient data are currently unavailable to determine background values for beryllium, chromium-VI, copper, mercury, tin, zinc, and zirconium; however, sufficient data exist to calculate a regional UTL for both barium and nitrate plus nitrite.

3.2.4 Methodology for the Statistical Comparison of Site-Sampling Results to Background

Several EPA-approved statistical tests were used to compare soil analytical data to background levels. The following sections describe these tests and list the relative strengths of each.

3.2.4.1 Wilcoxon Rank Sum Test

The Wilcoxon Rank Sum (WRS) test is performed by ordering all observations from background and the potentially contaminated site according to their magnitude and then assigning a rank from lowest to highest. The ranks in the potentially contaminated area are summed and compared to a table of critical values to determine whether the site is contaminated.

The WRS test is a nonparametric test more powerful than the Quantile test (described below) in determining whether the potentially contaminated area has concentrations uniformly higher than background (EPA, 1992). However, the WRS test allows for fewer less-than measurements than the Quantile test. As a general rule, the WRS test should be avoided if more than 40 percent of the measurements in the potentially contaminated area or background are nondetects. All soil analytical data were subjected to the WRS test in this analysis, although the test power was greatly reduced when the nondetect percent was greater than 40.

3.2.4.2 Quantile Test

The Quantile test is performed by separating background data and individual site data. The data are then ordered from highest to lowest. The number of background and individual site data points are calculated. The number of data points for background and the selected potentially contaminated site is then compared to a table that identifies how many of the highest measurements must come from the potentially contaminated site versus background to indicate contamination.

The Quantile test is a nonparametric test that has more power than the WRS test to detect when only a small portion of the remediated site has not been completely cleaned up. Also, the Quantile test can be used even when a fairly large proportion of the measurements is below the limit of detection (EPA, 1992).

3.2.4.3 Hot-Measurement Comparison (Upper Tolerance Limit) Calculation

The hot-measurement comparison consists of comparing each measurement from the potentially contaminated area with an upper-limit concentration value. This upper-limit concentration value is such that any measurement from the potentially contaminated area that is equal to or greater than this value indicates an area of relatively high concentrations that must be further investigated (EPA, 1992). Concentrations exceeding the upper-limit value may indicate inappropriate sample collection, handling, or analysis procedures, or actual contamination.

The upper-limit concentration value was calculated in the SWHC Project background study based on the 95th percentile for nonparametric data and the 95th UTL for parametric data.

3.2.4.4 Kolmogorov-Smirnov Test

The Kolmogorov-Smirnov (KS) test calls for two independent samples and tests the null hypothesis that the two samples come from identical distributions. This is achieved through the calculation and comparison of the cumulative distribution functions for each sample (Steel and Torrie, 1980). The maximum numerical difference between the two calculated values is compared to tables of critical values. If the data do not support the null hypothesis, it is concluded that the two samples are from different populations. The test is also sensitive to differences in variance, since it is a test of the equality of distributions rather than of specific parameters.

The KS test is a nonparametric test that can be used to evaluate the fit of any distribution. In general, the KS test is considered more powerful than alternative goodness-of-fit chi-square tests. The three general limitations are (1) the method is computationally complex; (2) it requires large sample sizes for greatest power (i.e., 50 or more); and (3) the parameters of the hypothesized distribution (e.g., mean and variance

of a normal distribution) are assumed to be known (Gibbons, 1994). Lilliefors (1967, 1969) generalized the test to the case of a normal or lognormal distribution with unknown mean and variance, although the method is still computationally complex and requires large samples.

The KS test was applied to soil data from all LWDS sites, but the test results are not further discussed in Section 4.0. The test analyzes distributions and is comparatively less powerful if the sampled population is not grossly contaminated.

3.2.4.5 Student's T-Test

The t-test is a parametric test that compares the means of two samples. To use the t-test statistic, both sampled populations must be approximately normally (or lognormally) distributed with approximately equal population variances, and the random samples must be selected independently of each other.

The equations and methodology for applying the t-test are explained in most statistics books, including McClave and Dietrich (1982) and Mendenhall (1975).

3.3 Resource Conservation and Recovery Act Action Levels

Action levels are concentrations of various parameters in soil, water, or air above which a corrective measure study for the facility could be warranted. These levels are determined to be indicators to protect human health and the environment. For air, surface soils, ground water, and surface water, generic action levels were estimated using assumptions outlined in RCRA (40 CFR 264) proposed Subpart S. The use of action levels allows a quick evaluation of the risk associated with the sampled concentrations of contaminants. In the case of the LWDS holding tanks, this evaluation indicated that the site should be proposed for No Further Action. For the other two LWDS ER sites, the comparison to proposed Subpart S action levels was inconclusive and a site-specific risk assessment was performed.

3.4 Contaminant Fate and Transport/Risk Assessment

All contaminants at the surface impoundments and drainfield were evaluated in a site-specific risk assessment. After a constituent was determined to be anthropogenic, the *entire* sampled population was used in the site-specific risk assessment, including concentrations within natural background levels.

The computer model developed by SNL/NM, *Précis*, was used (Knowlton, 1994). The basic risk assessment methodology defined by the EPA (1989) has been modified to include a quantitative uncertainty analysis technique. Initially, the SNL/NM risk assessment employs relatively simple process models to describe transport processes and conservative distributions of input parameters. If more detailed site-specific analysis is required, the preliminary risk assessment may be modified to include more rigorous analytical or numerical process models to describe transport processes. The probabilistic risk assessment methodology is ideal for quantitatively assessing uncertainty. Site-specific sections (Sections 4.2 and 4.3) list the risk assessment results, and Annexes I and II contain further details relating to future land use and exposure unit definitions.

3.5 Development of Conclusions and Recommendations

Ultimately, data for each site were evaluated to determine the adequacy of site characterization and to assess the risk each site poses to human health and the environment. This evaluation addressed the need for any potential future actions and the site disposition.

4.2 ER Site 5 LWDS Drainfield

Site 5, the LWDS drainfield, was designed to receive liquid wastes discharged from the LWDS holding tanks. The RFA performed in 1987 (EPA, 1987) designated this site as SWMUs 16 and 17, describing them as two separate clay seepage pits. However, the RFA is in error, as only one pit, or drainfield, exists. The below-grade drainfield was operational from 1963 to when it collapsed in 1967. According to health physics personnel working then, the collapse was viewed as a sinking of the overlying pavement. The drainfield operation was well understood at the time and the action taken (construction of the lagoons) suggests that its capacity to receive water was expected to be limited. No evidence of an overflow or spill, which would have occurred in the Building 6580 basement, has been found. The last recorded discharge occurred on May 11, 1967. The LWDS drainfield is buried approximately 30 ft deep and is located approximately 30 ft south of the LWDS holding tanks. The reported capacity of the drainfield is approximately 12,000 gal.

4.2.1 Contamination Sources

TA-V has a long history of industrial activity. A total of ten ER sites has been identified (Figure 4-4). The only verified source of contamination in the LWDS drainfield is the

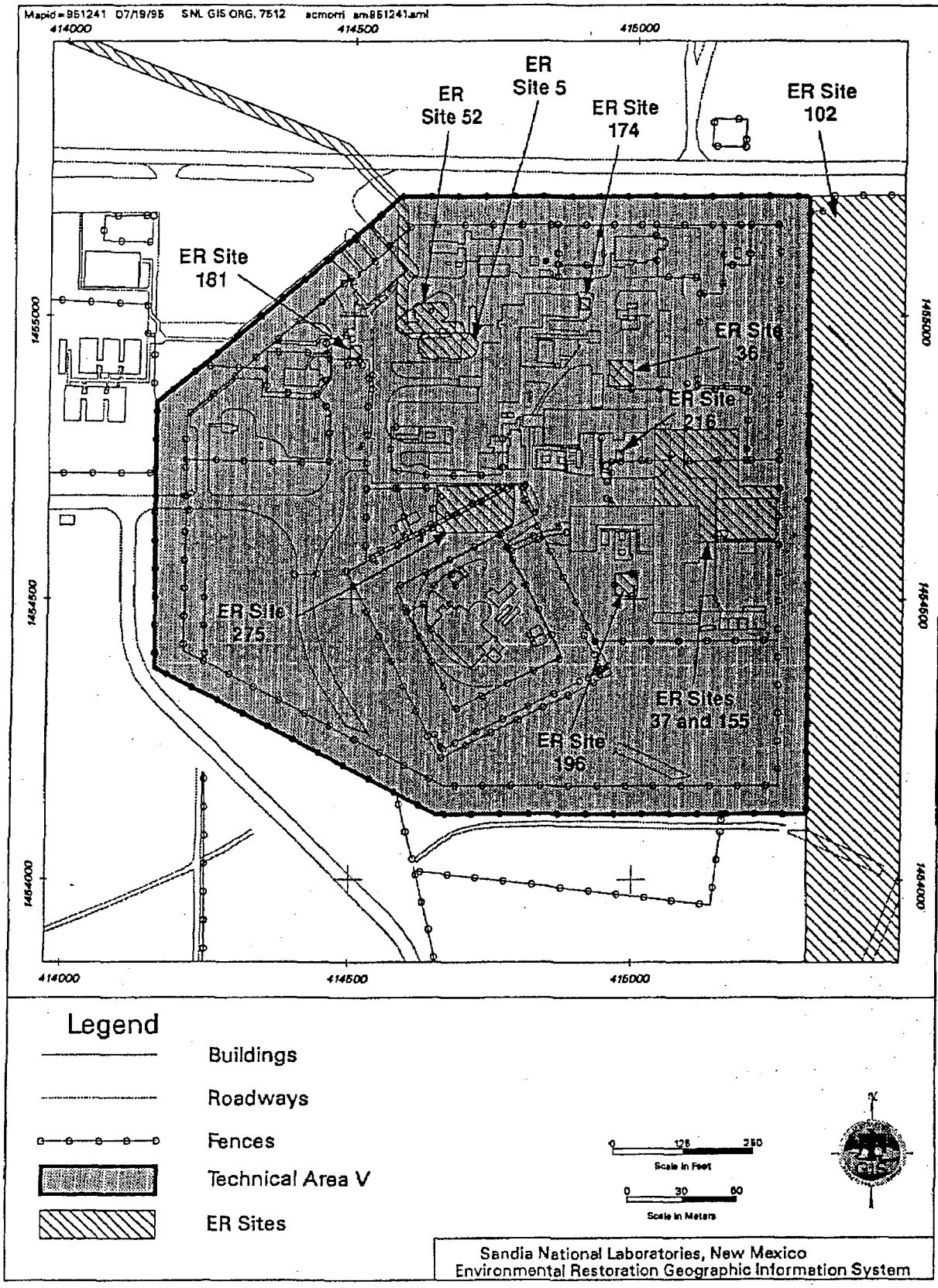

Figure 4-4. Environmental Restoration Sites Located Within Technical Area V

discharge from the LWDS holding tanks. This discharge entered the drainfield at the east end and infiltrated the surrounding soil.

Several other sources in the immediate area may contribute to soil contamination at the drainfield. Contaminant release to the soil column has been identified at three adjacent sites (181, 36, and 275). Site 181 originally contained a fuel-oil underground storage tank. This tank was found to be leaking upon its removal; approximately 27 cubic yards of stained soil were excavated. Later, two boreholes drilled nearby measured total petroleum hydrocarbon (TPH) contamination to a depth of approximately 30 ft. Site 36 (HERMES oil spill) contained a series of five 35,000-gal USTs that pumped dielectric oil in a closed-loop system to the HERMES facility. Thousands of gallons of oil were released to the subsurface, extending to a total depth of approximately 280 ft and impacting the ground water below. As manufactured, the oil reportedly contained no hazardous constituents (e.g., polychlorinated biphenyls [PCBs] or VOCs), but it is unknown whether such constituents might have entered the system at a later date. Site 275 (TA-V seepage pits) is a new site added during the drainfield investigation. This site processed most of the process and septic water from TA-V.

4.2.2 Field Investigation

Boreholes

Four soil boreholes were installed at the LWDS drainfield. Figure 4-5 shows the borehole locations and depths. The boreholes were completed in March 1994 with a Barber 70E drill rig using the rotasonic method. In general, field procedures were identical to those described in Appendix A. After retrieval, the soil core was screened for the presence of organic and radiological constituents. Soil samples were then collected from the core at intervals dictated by the LWDS RFI work plan (SNL, 1994a) and submitted to an off-site laboratory for tritium, gamma-emitting radionuclides, volatile and semi-volatile organic compounds, and metals for analysis using the methods described in Appendix B. Section 4.2.3 summarizes the analysis results.

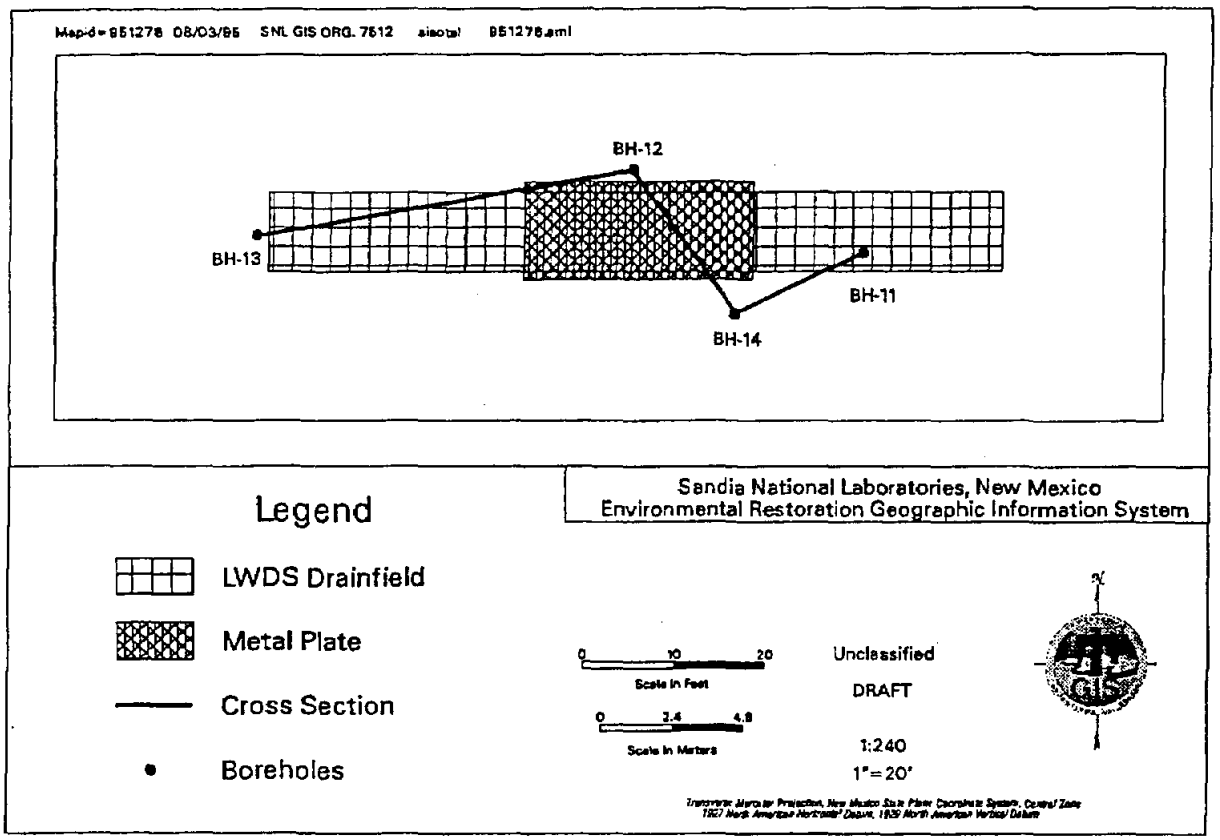

Figure 4-5. LWDS Drainfield Borehole Locations

Five borings were originally proposed to investigate the drainfield. One borehole could not be installed because a large metal plate covers the midsection of the drainfield. Figure 4-5 shows the approximate location of the plate. Three attempts were made to complete the borehole planned for the middle of the drainfield. Each attempt met complete refusal at the exact depth of 27 ft. The refusal was rather dramatic, with the pitch of the sonic head changing drastically. The sonic head energy was diverted from the tip of the core barrel to the outside drive casing and within seconds the sonic core barrel welded itself to the casing. Based on the symptoms described above, the lead driller attributed the problem to the presence of a metal plate and the borehole was aborted.

Monitor Well Installation

The first attempt to install a drainfield monitoring well occurred in September 1992. The pilot borehole was continuously cored using the rotasonic drilling method and field procedures described in Appendix A. Refusal was encountered at 167 ft and the borehole was subsequently backfilled with volclay.

A second attempt to install a drainfield monitor well began in April 1993, with a more capable drill rig. The borehole, located approximately 10 ft east of the initial attempt (Figure 4-6), was drilled with a combination of rotasonic, air rotary, and cable-tool drive methods to a total depth of 525 ft bgl. The monitor well is constructed of 4.5-in.-diameter Schedule 80 polyvinyl chloride (PVC) pipe. The screened interval extends from 500 to 515 ft bgl. The monitor well was developed in July 1993.

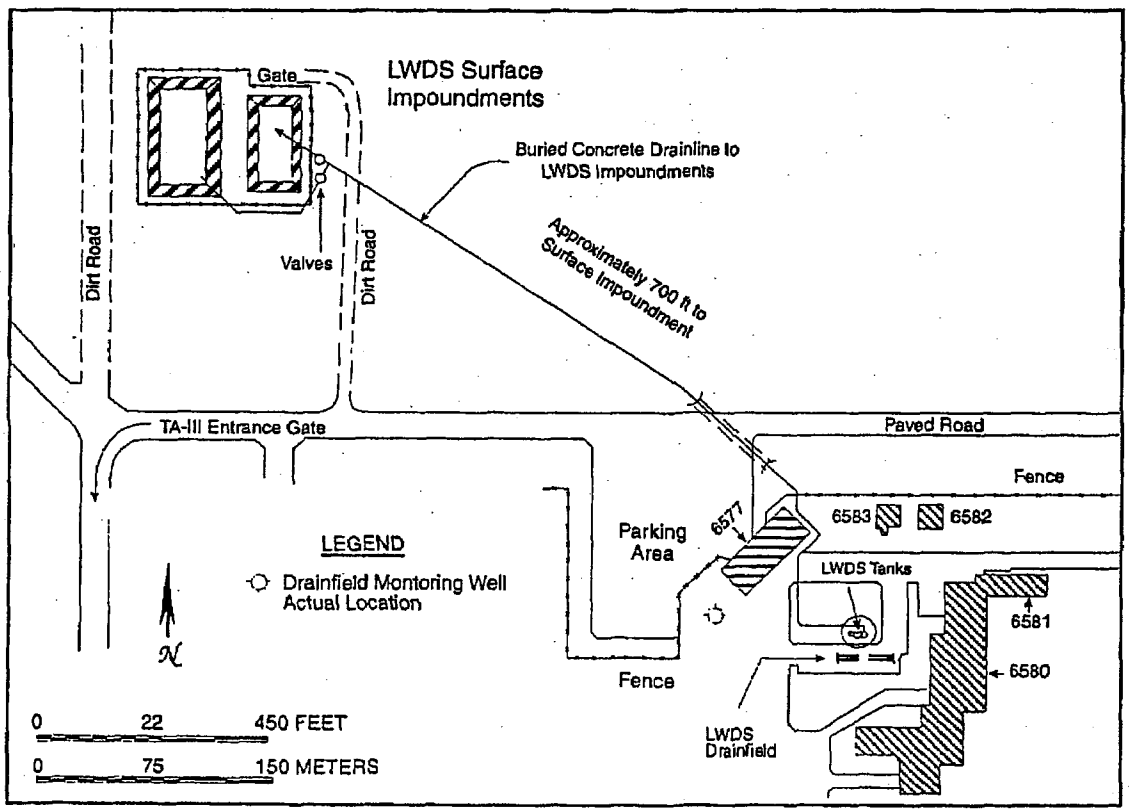

Figure 4-6. LWDS Site Map Showing Drainfield Monitoring Well Location

Ground-Water Sampling

Beginning in November 1993, quarterly ground-water samples were collected from well LWDS-MW1 with a Bennet™ piston pump. Ground-water sampling was performed in accordance with procedures in the *LWDS Ground-Water Monitoring Project Site-Specific Sampling Plan*, (IT, 1994c). With the exception noted below, analysis procedures followed those described in Appendix B.

Ground-water samples collected from well LWDS-MW1 were initially analyzed for VOCs by EPA Method 8240, which includes both GC/MS analyses. This test method typically has a quantitation limit of 5 micrograms per liter (µg/L) or parts per billion (ppb). Historically, this analytical method has been preferred because the presence of organic constituents is verified by a second analytical instrument. Following the identification of trichloroethene (TCE) in well LWDS-MW1 in early 1994, SNL/NM switched to EPA Method 8010. This test method utilizes GC, verifies sample constituents by duplicate analysis, and has a detection limit of 0.5 ppb.

4.2.3 Nature and Extent of Contamination

A review of the analytical results indicates soil contamination from several metals, radionuclides, and toluene. The contamination is limited to the drainfield and the surrounding soil, and no contamination has been detected below 45 ft. Organic contaminants, principally TCE, are present in levels above federal maximum concentration limits (MCLs) in the drainfield monitor well. The LWDS drainfield has been ruled out as the source of this contamination due to the absence of TCE at the site. The TA-V seepage pits have been identified as a potential source of ground-water contamination. Investigation of the ground-water contamination at the new ER site will continue under the TA-III/V RFI.

Toluene was detected four times in the drainfield, with the highest concentration of 51 ppb identified at 65 ft bgl in BH-11. In all cases, toluene was also detected in the associated trip blank and is suspected to be laboratory contamination. The highest toluene results slightly exceeded ten times the detected blank value, thus toluene was included in the risk assessment.

Metals

Table 4-4 summarizes the evaluation of metal contamination at the drainfield. Five metals were identified as contaminants: beryllium, cadmium, chromium, copper, and zinc. These metals are limited to the drainfield and adjacent soil. No contamination was

Table 4-4
Statistical Comparison of Site 5 to Background

Parameter	Distribution	T-Test		Wilcoxon	Quantile	Upper Tolerance Limit (UTL)	Maximum Concentration	Spatial	Site 5 Contaminant
		= Variance	≠ Variance						
Barium	Lognormal	Pass	Pass	Pass	Pass	398.1 (mg/kg)	258 (mg/kg)	Pass	No
Beryllium	Lognormal	Fail	Fail	Fail	Pass	.79 (mg/kg)	1 (mg/kg)	Fail	Yes
Cadmium	Lognormal	Pass	Pass	Pass	Pass	3.5 (mg/kg)	51.1 (mg/kg)	Fail	Yes
Chromium	Lognormal	Fail	Fail	Fail	Pass	22.9 (mg/kg)	42.4 (mg/kg)	Fail	Yes
Copper	Lognormal	Fail	Fail	Fail	Pass	16.7 (mg/kg)	24.2 (mg/kg)	Fail	Yes
Lead	Nonparametric	N/A	N/A	Pass	Pass	15 (mg/kg)	14 (mg/kg)	Pass	No
Nickel	Lognormal	Pass	Pass	Pass	Pass	15.4 (mg/kg)	13.7 (mg/kg)	Pass	No
Zinc	Lognormal	Pass	Pass	Pass	Pass	46.7 (mg/kg)	67.3 (mg/kg)	Fail	Yes
Bismuth-212	Nonparametric	Pass	Pass	Pass	Pass	2.7 (pCi/g)	1.3 (pCi/g)	Pass	No
Bismuth-214	Nonparametric	N/A	N/A	Pass	Pass	0.8 (pCi/g)	.84 (pCi/g)	Pass	No
Cesium-137	Nonparametric	N/A	N/A	Pass	Pass	0.9 (pCi/g)	.14 (pCi/g)	Fail	Yes
Cobalt-60[a]	N/A	N/A	N/A	N/A	N/A	N/A	0.15 (pCi/g)	Fail	Yes
Lead-212	Lognormal	Fail	Fail	Fail	Pass	1.1 (pCi/g)	1.1 (pCi/g)	Pass	No
Lead-214	Lognormal	Fail	Fail	Fail	Pass	Not Detected	1 (pCi/g)	Pass	No
Potassium-40	Normal	Pass	Pass	Pass	Pass	25.3 (pCi/g)	19 (pCi/g)	Pass	No
Radium-226	Lognormal	N/A	N/A	Pass	Pass	2.1 (pCi/g)	2.25 (pCi/g)	Pass	No
Radium-228	Nonparametric	N/A	N/A	Pass	Pass	1.1 (pCi/g)	1.1 (pCi/g)	Pass	No
Thorium-232	Lognormal	Pass	Pass	Pass	Pass	1.26 (pCi/g)	1.1 (pCi/g)	Pass	No

[a] Not naturally occurring.
Note: mg/kg = milligrams per kilogram; pCi/g = picocuries per gram.
"Fail" indicates that the parameter was judged as a site contaminant by the particular statistical test.

detected below 45 ft bgl. Figures 4-7 through 4-9 show the contaminant concentration contours for cadmium, beryllium, and chromium.

No contamination contours are provided for zinc. The sample distribution pattern for this constituent did not correspond with other identified contaminants; however, zinc was included in the risk assessment because the one high value was located directly beneath the drainfield in Borehole 12 and exceeded the background zinc UTL.

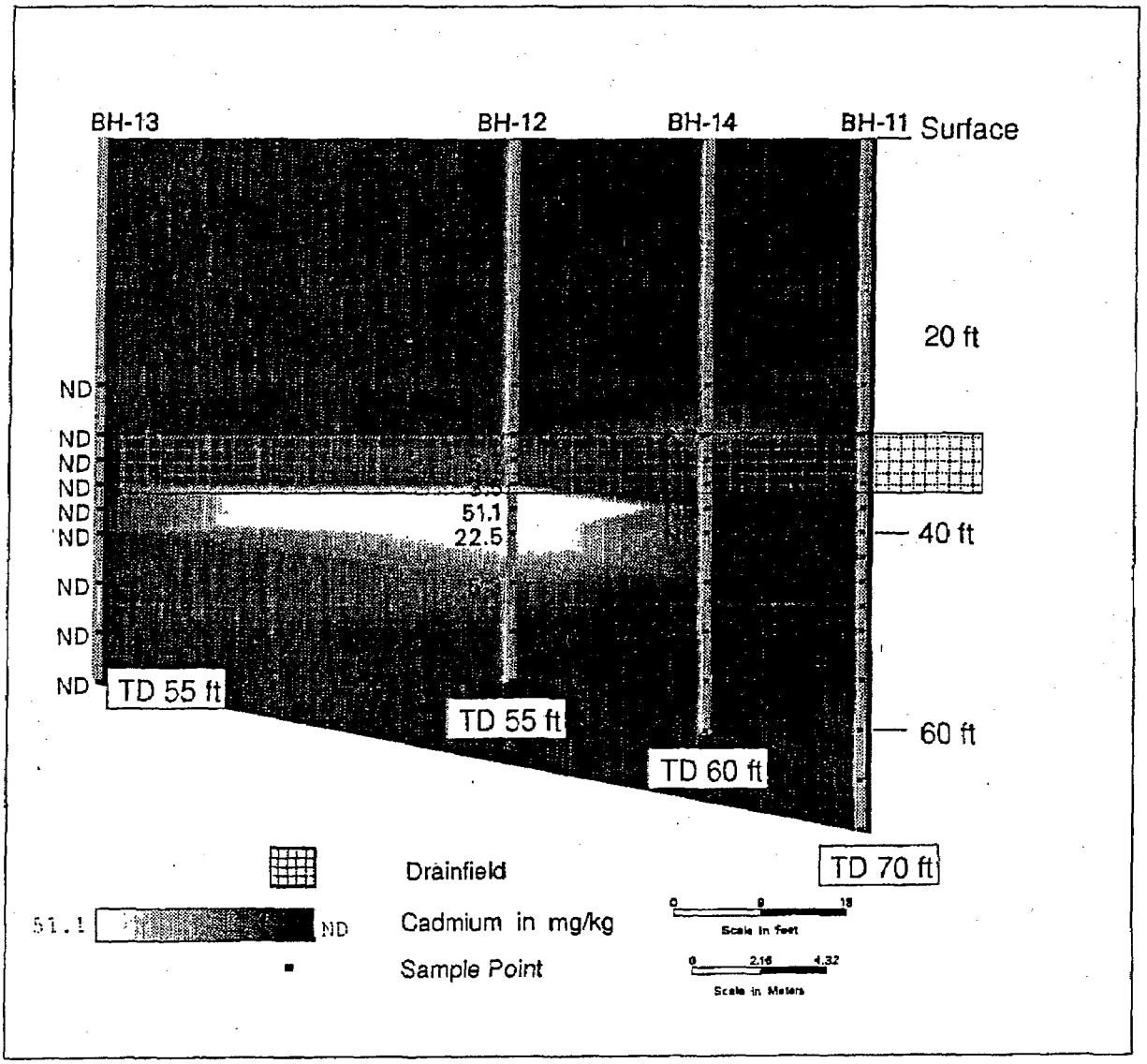

Figure 4-7. Cross Section of Cadmium at the LWDS Drainfield

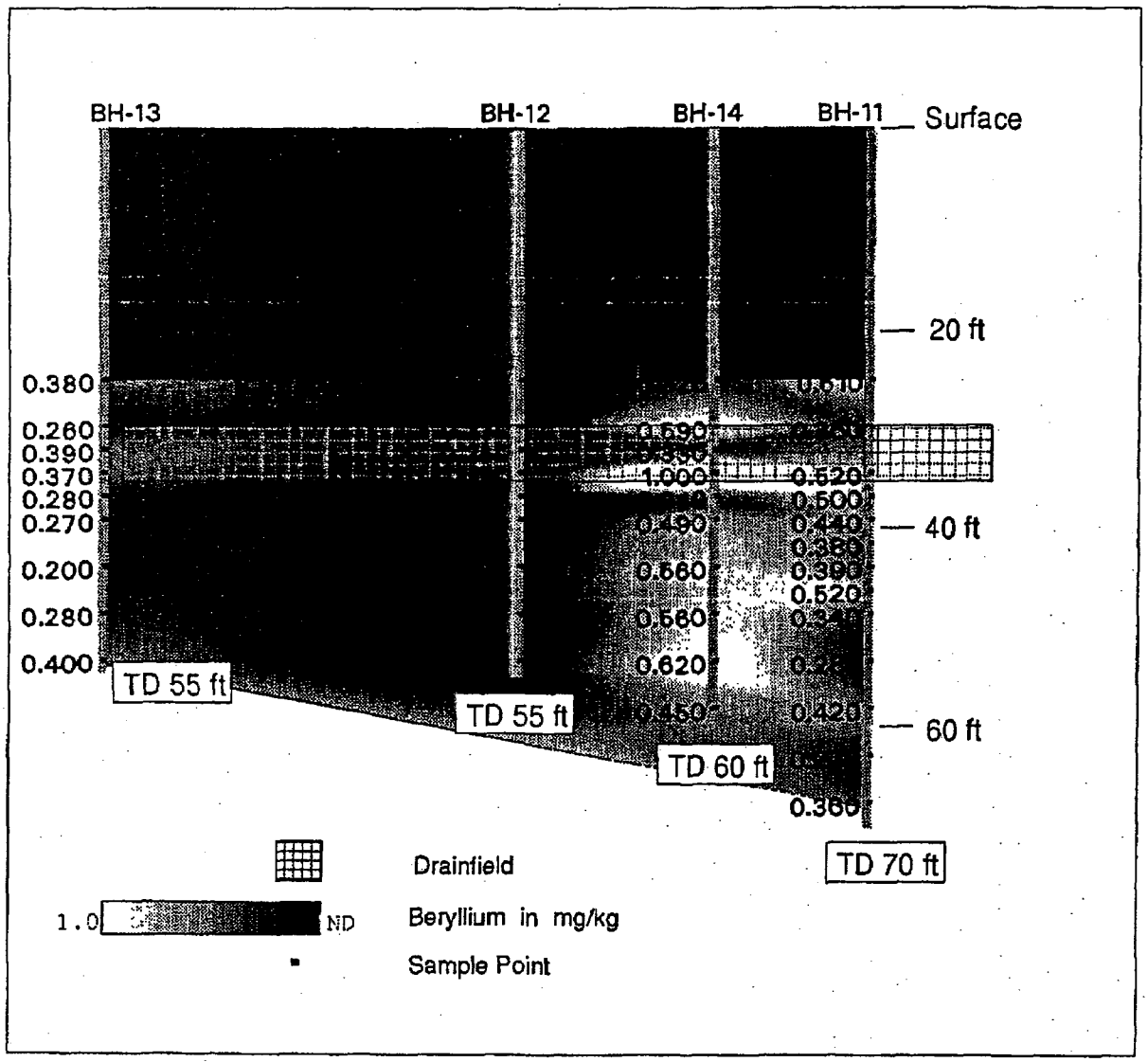

Figure 4-8. Cross Section of Beryllium at the LWDS Drainfield

Copper is definitely a contaminant at this site; however, it is not RCRA-regulated and has no toxicity.

Radionuclides

Table 4-4 lists all radiological contaminants at the drainfield. The total amount of contamination was fairly low; cobalt-60 and cesium-137 were the only detected anthropogenic radionuclides. Figures 4-10 and 4-11 show the contaminant contours for cobalt-60 and cesium-137. As with metals, radioactive contamination is limited to the

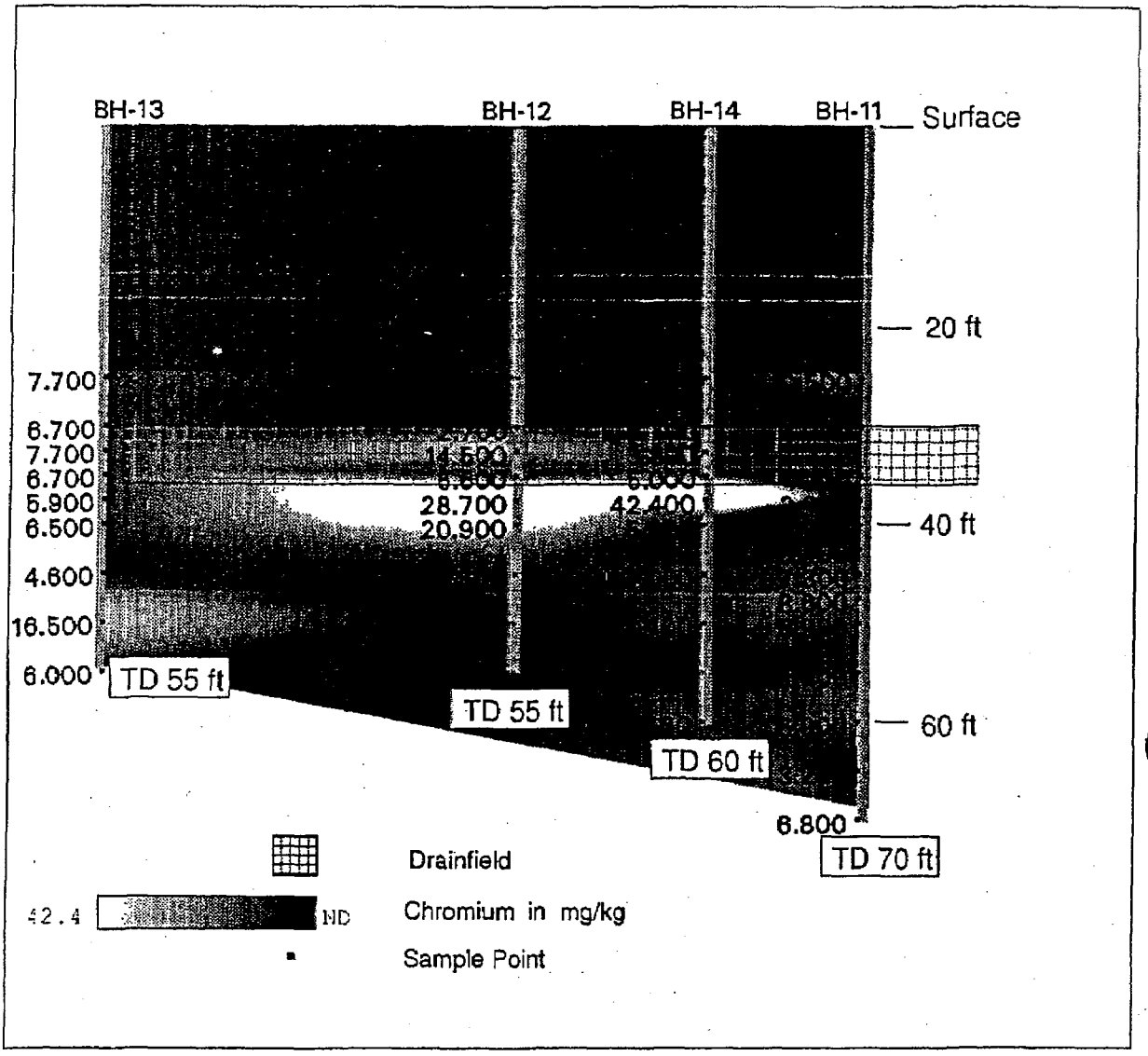

Figure 4-9. Cross Section of Chromium at the LWDS Drainfield

drainfield and adjacent soil. No contamination was detected at depths greater than 45 ft.

Ground Water

Ground-water contamination is evident in LWDS drainfield monitor well LWDS-MW1 by the consistent presence of VOCs and off-normal water chemistry. TCE has been

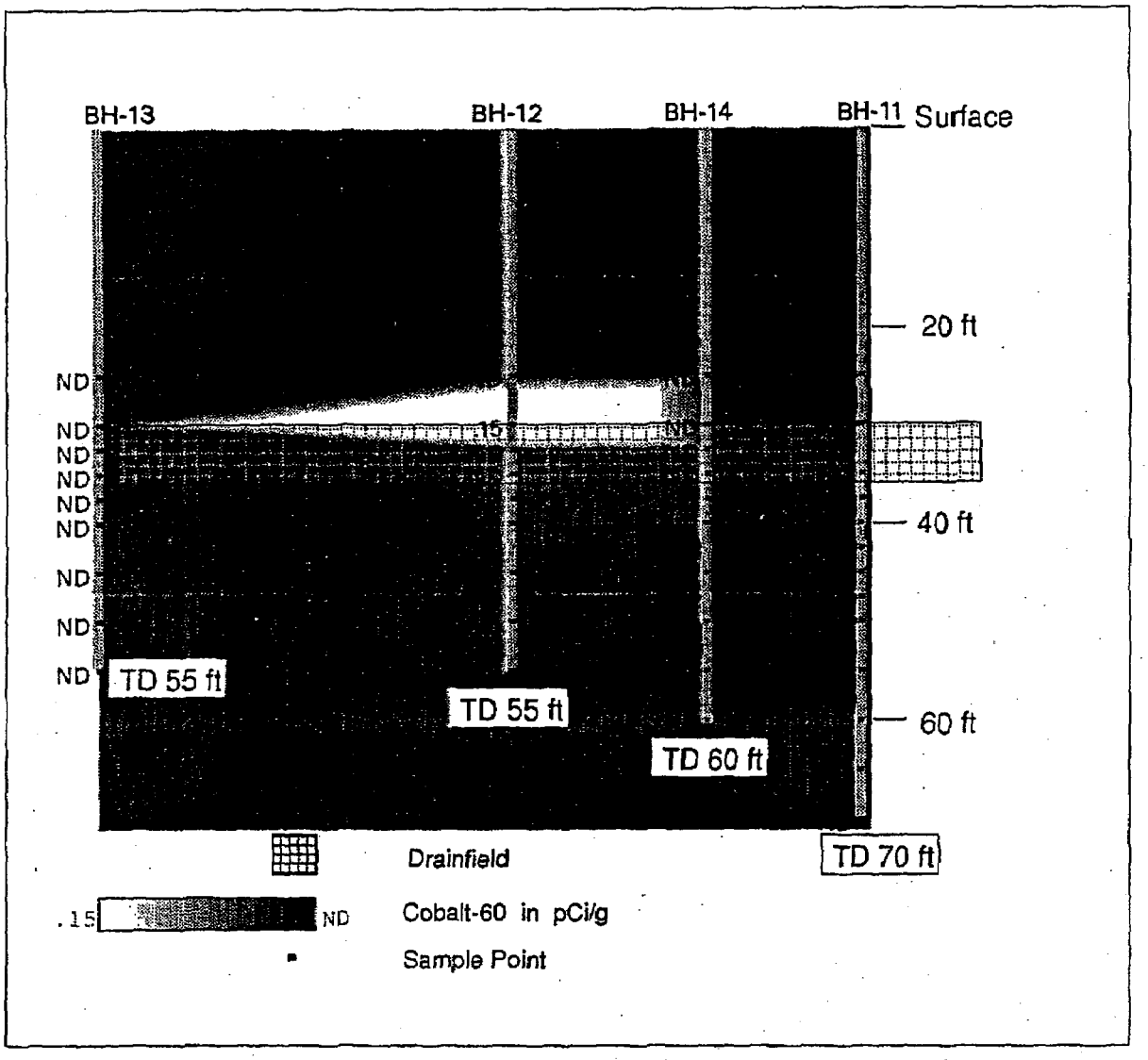

Figure 4-10. Cross Section of Cobalt-60 at the LWDS Drainfield

detected in all samples since September 1993 at concentrations from 12 to 16 ppb, and other organic contaminants are sometimes detected. This difference in water chemistry is the subject of a detailed evaluation by IT Corporation (IT, 1994d). Data indicate that inorganic constituents (arsenic, bromide, chloride, nitrate + nitrite [NPN], selenium, and sodium) and specific conductivity (SC) are generally higher for LWDS-MW1 relative to LWDS-MW2 and regional background wells. Results of three stable isotope analyses

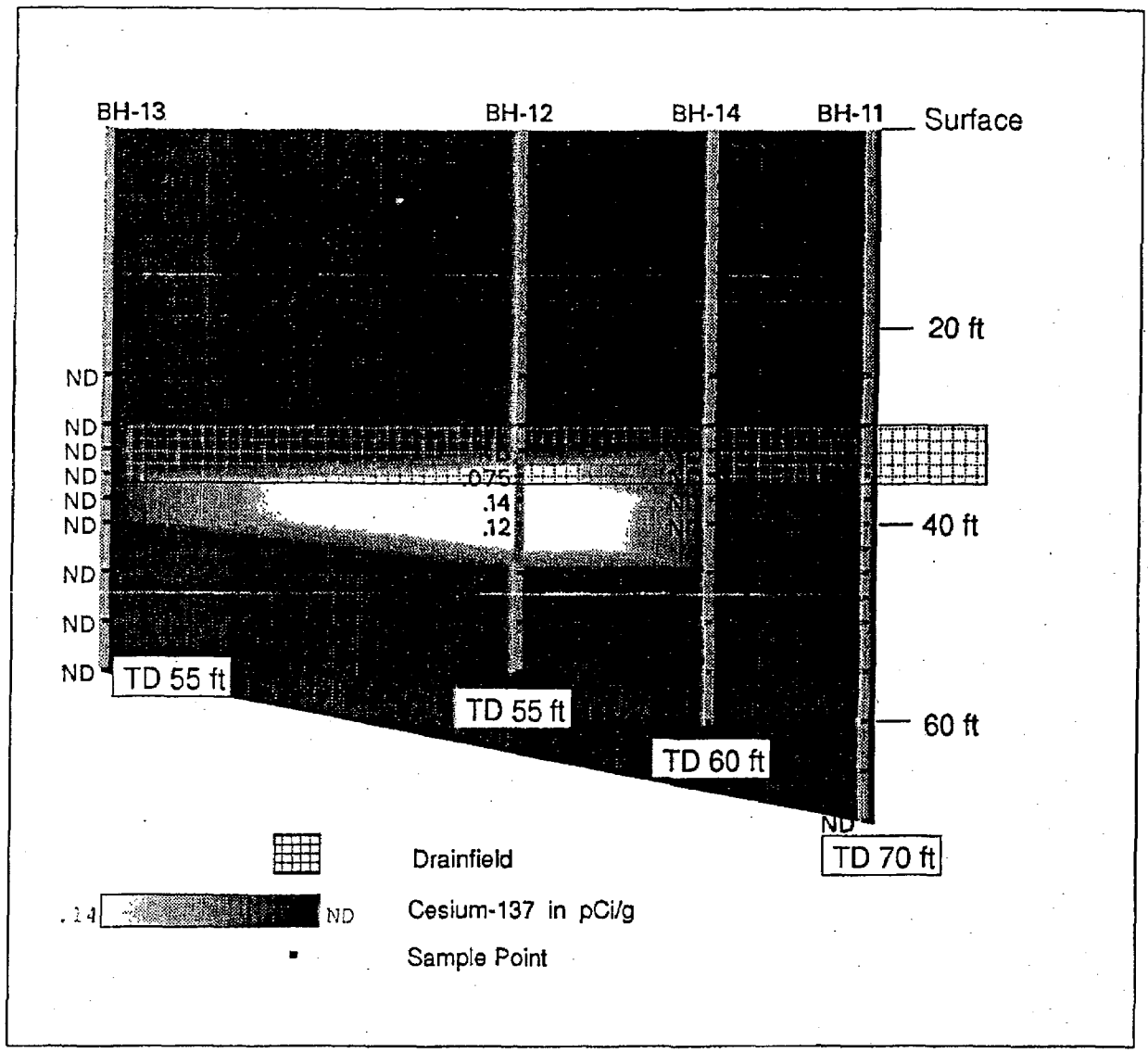

Figure 4-11. Cross Section of Cesium-137 at the LWDS Drainfield

(^{18}O, ^{15}N, and deuterium [D]) performed during the fourth quarter differ distinctly between the two LWDS wells. These chemical and isotopic differences appear consistent with the interpretation that TA-V discharge water has reached LWDS-MW1.

The concentration of TCE is approximately three times the drinking water standard. The LWDS drainfield contains no organic contamination in soil; another potential source area has been identified in the nearby TA-V seepage pits. The TA-V seepage pits have been added to the list of SNL/NM SWMUs as ER Site 275. The investigation of the seepage pits and the ground-water contamination problem has been transferred to the TA-III/V RFI.

4.2.4 Risk Assessment

The SNL/NM *Précis* computer model was used to estimate potential radiation doses, incremental lifetime cancer risks (ICRs), and the systemic toxic hazard index (HI) associated with contaminated soil at the drainfield (Knowlton, 1994). All estimates were made according to an industrial land-use scenario. The entire risk assessment has been provided in Annex I.

The risk assessment indicates that there would be no radiation dose to workers at the site from cesium-137 or cobalt-60. According to the analysis, industrial use of the site would meet the 25 millirem per year (mrem/yr) radiation dose limit specified in DOE Order 5820.2A, *Radioactive Waste Management*, for 1,000 years into the future (DOE, 1988).

The assessment also indicates that industrial use of the site would meet both the 1×10^{-6} ICR limit and the 1.0 HI judged acceptable by the EPA (EPA, 1989).

4.2.5 Summary and Conclusions

The requirements for determination of No Further Action are contained in the HSWA Module of the RCRA Part B permit:

> . . . This permit modification application must contain information demonstrating the there are no releases of hazardous waste including hazardous constituents from a particular SWMU at the facility that pose threats to human health and/or the environment, . . .

This risk-based proposal contains information needed to make the No Further Action determination. The nature and extent of contamination at the LWDS drainfield has been

adequately defined in all directions using data acquired from the four boreholes; additional characterization is not required. Contamination is limited to the drainfield and the nearby region, and levels pose no threat to humans or the surrounding environment. The LWDS drainfield is recommended for No Further Action.

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Annex I

Human Health Risk Assessment
ER Site 5, LWDS Drainfield

LIQUID WASTE DISPOSAL SYSTEM DRAINFIELD ENVIRONMENTAL RESTORATION SITE 5 HUMAN HEALTH RISK ASSESSMENT

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July 1995

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1.0 INTRODUCTION

Sandia National Laboratories/New Mexico (SNL/NM), located in Albuquerque, New Mexico, is committed to the protection of human health and the environment. Because of this commitment, potential risks to human health were calculated for the constituents of concern (COC) detected in soil samples obtained from the Liquid Waste Disposal System (LWDS) drainfield, Environmental Restoration (ER) Site 5.

The following analysis involves calculating the potential radiation dose, cancer risk, or toxicity hazard to a worker at the site. This approach addresses uncertainties associated with various site-specific parameters (e.g., soil density and annual precipitation) and the variability of soil-contamination measurements. These calculations provide estimates of potential radiation dose, risk, and hazard and their uncertainties as compared with limits specified by regulations. Chapters 3.0 through 5.0 describe this approach.

Annual radiation doses resulting from the radionuclide COCs were estimated using the SNL/NM *Précis* computer program, Version 1.1.3a (SNL/NM 1994). The results of the radionuclide COCs human health risk assessment were compared with the 25 millirem per year (mrem/yr) dose rate, which is the U.S. Department of Energy (DOE) performance objective for limiting a radiation dose to any member of the public (DOE 1988).

Human health effects from potential exposure to nonradioactive COCs were also estimated using *Précis*. The Incremental Lifetime Cancer Risk (ICR) was estimated for potential exposures to carcinogenic chemicals. The hazard index (HI) was estimated for potential systemic toxic effects (e.g., kidney damage) resulting from exposure to noncarcinogenic chemicals. These calculated ICR and HI values were compared with values regarded as acceptable by the U.S. Environmental Protection Agency (EPA). The acceptable ICR is 1×10^{-6}; the acceptable HI is 1.0 (EPA 1989).

2.0 SITE CHARACTERIZATION

2.1 Site Description

The ER Site 5 LWDS drainfield has been described in detail (SNL/NM 1993). Briefly, the drainfield was designed to receive liquid wastes discharged from the LWDS holding tanks. The below-grade drainfield was operational from 1963 to 1967, when it collapsed. According to health physics personnel working at that time, the collapse was observed as a sinking of the overlying pavement. The drainfield operation was well understood at the time and the action taken (to construct lagoons) suggests that its capacity to receive water was expected to be limited. No evidence of an overflow or spill, which would have occurred in the basement of Building 6580, has been found. The last recorded discharge was on May 11, 1967. The LWDS drainfield is buried approximately 36 ft deep and is located approximately 30 ft south of the LWDS holding tanks (Figure 2-1). The reported capacity of the drainfield is approximately 12,000 gallons.

2.2 Contamination Assessment

The only source of contamination at the drainfield was the liquid discharge stream from the holding tanks. This discharge entered the drainfield at the east end and infiltrated through it into the ground. Four soil borings were installed at the LWDS drainfield in March 1994 (Figure 2-2). Five borings were attempted. One borehole could not be installed through a large metal plate covering the midsection of the drainfield (Figure 2-2). Forty-five soil samples were collected from the cores at specified intervals. Fourteen samples were collected from Borehole LWDS-BH-11 at depths ranging from 25 to 70 ft below ground surface (bgs). Ten samples were collected from each of Boreholes LWDS-BH-12 and LWDS-BH-13 between 25 and 55 ft bgs, and eleven samples were collected from Borehole LWDS-BH-14 between 25 and 60 ft bgs.

The samples were analyzed at an off-site laboratory for tritium, gamma-emitting radionuclides, volatile and semivolatile organic compounds, and metals. Contaminants not detected in any of the 45 samples were not considered in this risk assessment. Contaminants that were detected above concentrations in samples collected to represent ER Site 5 background were considered to be COCs for the assessment of risks.

Two samples were taken between 0 and 30 ft bgs in each of the boreholes. All of these shallow samples contained no detectable contamination (see Sec. 4.2.2 of the main report). These data support the assumption that there is no contamination in soil at depths shallower than those at which the 45 samples considered in this risk assessment were taken.

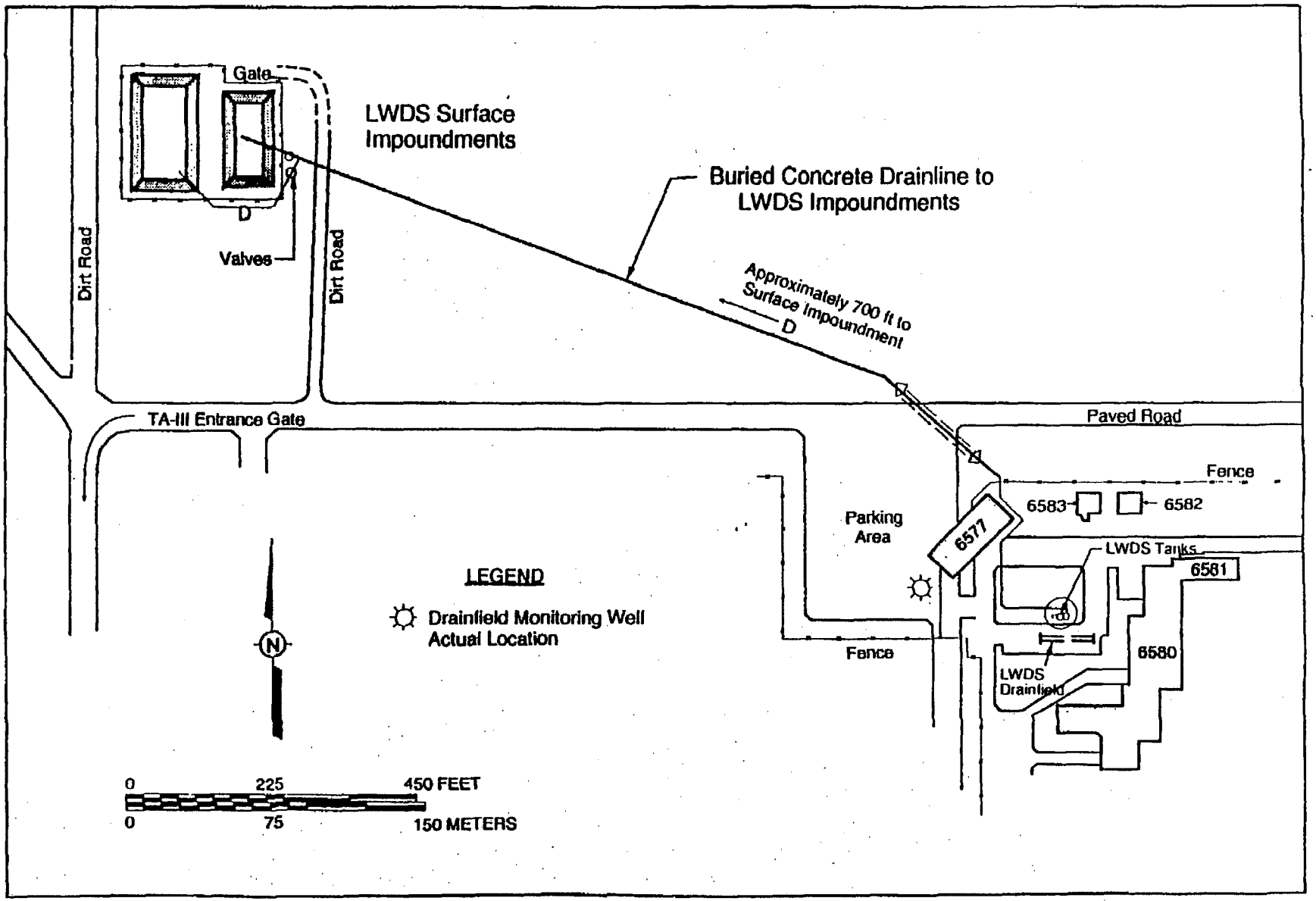

Figure 2-1
Liquid Waste Disposal System (LWDS) Site Map Showing Drainfield Location

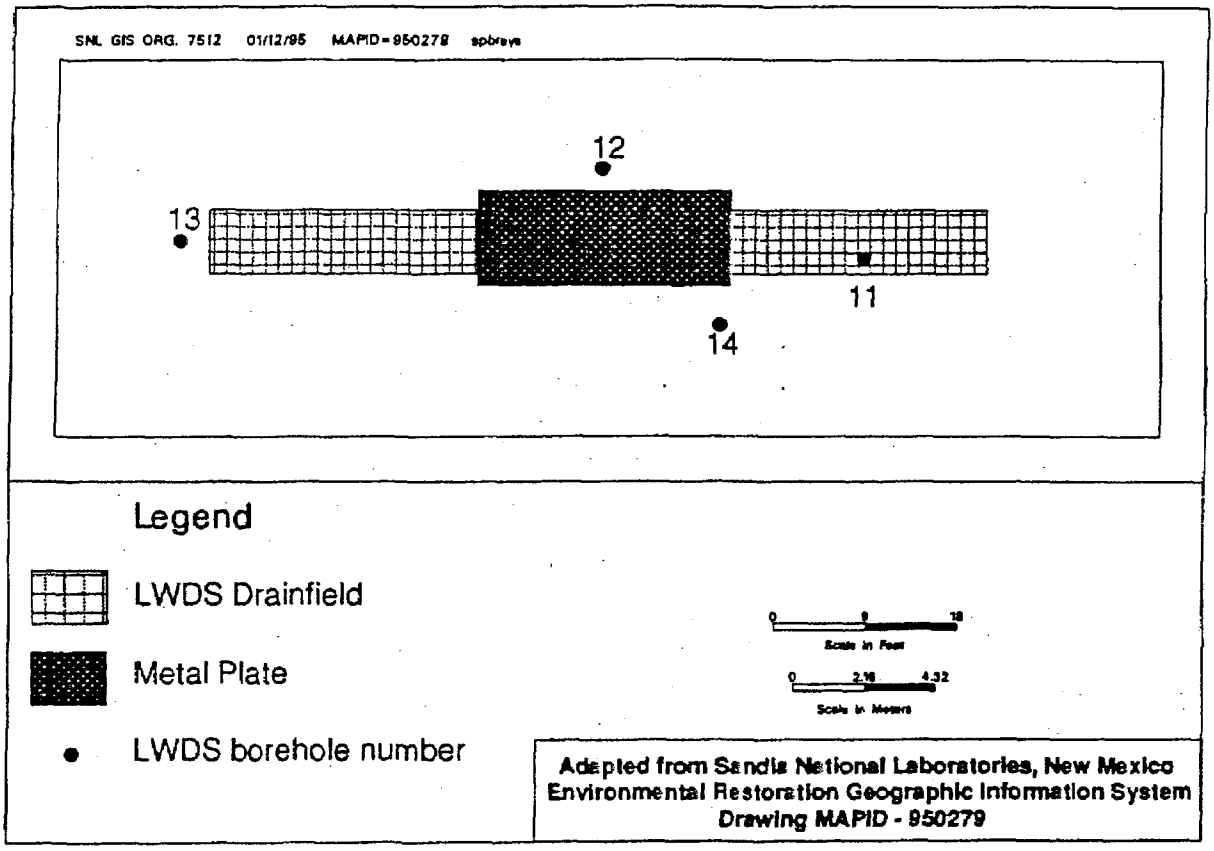

Figure 2-2. Liquid Waste Disposal System
Drainfield Borehole Locations

2.3 Constituents of Concern

The two radionuclides considered in the ER Site 5 risk assessment were cesium-137 and cobalt-60. One organic chemical (toluene) and four metals (beryllium, cadmium, chromium, and zinc) were identified as COCs. Appendix A summarizes the concentrations of these COCs in soil and their relative depths.

All of the data sets except for zinc contained undetected (U) concentrations and were evaluated by replacing U entries with one half the detection-limit. It is commonly found that large and complete data sets describing environmental soil contamination are lognormally distributed. Therefore, the distributions of ER Site 5 data sets were assumed to be lognormal (EPA 1992).

Table 2-1 shows the ER Site 5 COCs and the statistical distribution information used as input to *Précis*. Data sets for the two radionuclide COCs showed that only one of the 45 samples contained detectable cobalt-60 and three of the 45 samples contained detectable cesium-137. For the uncertainty calculations, these two data sets were represented by a lognormal-b distribution (SNL/NM 1994). In the lognormal-b distribution, the detection limit was assumed to represent the 0.1th percentile of a lognormal distribution, and the maximum concentration was assumed to be the 99.9th percentile (see Appendix A).

The zinc concentration distribution included a single measured concentration of 67.3 ppm zinc/gram soil, which is above the 99.9th percentile of the lognormal distribution (54.2 ppm zinc/gram soil). This circumstance is consistent with the distribution in which the probability of a concentration measured above 54.2 ppm is 0.1%. A somewhat more conservative risk analysis might be conducted if the 99.9th percentile of the zinc concentration were set to 67.3 ppm. However, the calculated Hazard Index of 0 (see Section 5.2) reflects zero calculated intake from any contaminant located 25 ft below the ground surface. The intake is not expected to increase above zero if the 99.9th percentile of the distribution is changed from 54.2 ppm to 67.3 ppm.

Table 2-1
Summary of 45 Core Sample Concentrations of Constituents of Concern in the SNL/NM ER Site 5 Liquid Waste Disposal System Drainfield

	Concentration			
Contaminant (Unit of measure)	Minimum Reported Value[a]	Maximum Reported Value	Lower Bound of Lognormal-b Distribution (0.1 percentile)	Upper Bound of Lognormal Distribution (99.9 percentile)
Cesium-137 (pCi/g)	0.021	0.140	0.02	0.14
Cobalt-60 (pCi/g)	0.036	0.150	0.04	0.15
Beryllium (ppm)	0.13	1.0	0.09	1.29
Cadmium (ppm)	0.31	51.1	0.02	154.44
Chromium (ppm)	2.2	42.4	1.14	39.0
Toluene (ppb)	1.2	51	0.16	67.06
Zinc (ppm)	10.90	67.30	8.17	54.22

[a]The minimum reported value in the data set is the lowest value recorded. If the data set includes samples with no detectable analyte, the detection limit was assumed to represent the minimum value.

3.0 EXPOSURE EVALUATION

The exposure assessment for contaminated soil at ER Site 5 was performed using *Précis* to estimate the potential annual radiation dose from radionuclides and the ICR and HI for nonradioactive COCs for a "reasonably maximally exposed" individual. This exposure assessment is conservative, meaning the exposure is overestimated.

Précis estimates an individual's annual radiation dose and hazardous chemical intake using a stochastic method. This technique provides an estimate of potential exposures by taking into account the uncertainties inherent in the program input parameters, such as COC concentration, soil density, depth to groundwater, etc. *Précis* evaluates this uncertainty in the exposure using a Latin hypercube sampling technique that randomly selects trial values for each of the input parameters according to their probability distributions and calculates an exposure concentration for each group of trial values. The resulting output provides a distribution of the individual's annual dose rate and intake of COCs. As such, the dose or intake frequency distribution represents the probability that the individual will receive a specified exposure, assuming that the exposure scenario does occur.

3.1 Radionuclide COC Exposure Evaluation

Evaluation of potential exposures to radionuclides includes assumed pathways for contact with contaminated media. These exposure pathways are based on land-use scenarios for the site.

The industrial land-use scenario was used to evaluate potential radionuclide exposures at ER Site 5. This scenario was evaluated using the *Précis* program under the following exposure assumptions:

- That the individual works exclusively at a randomly chosen location at ER Site 5 for an entire year. This highly conservative assumption was chosen to overestimate worker exposure.
- That the individual does not mitigate his or her potential exposures by avoiding contact with contamination or using personal protective equipment (i.e., the worker is unaware of the existence of contamination).
- That no food is grown at the site and that no drinking water well is available at the site.
- That the contaminated area is 194.7 m^2 (Figure 2-2).
- That the depth of contamination is represented by a bounded lognormal distribution ranging from 30 ft (9 m) below the surface to 70 ft (21 m), which represent the 0.1th percentile and the 99.9th percentile of the distribution, respectively.

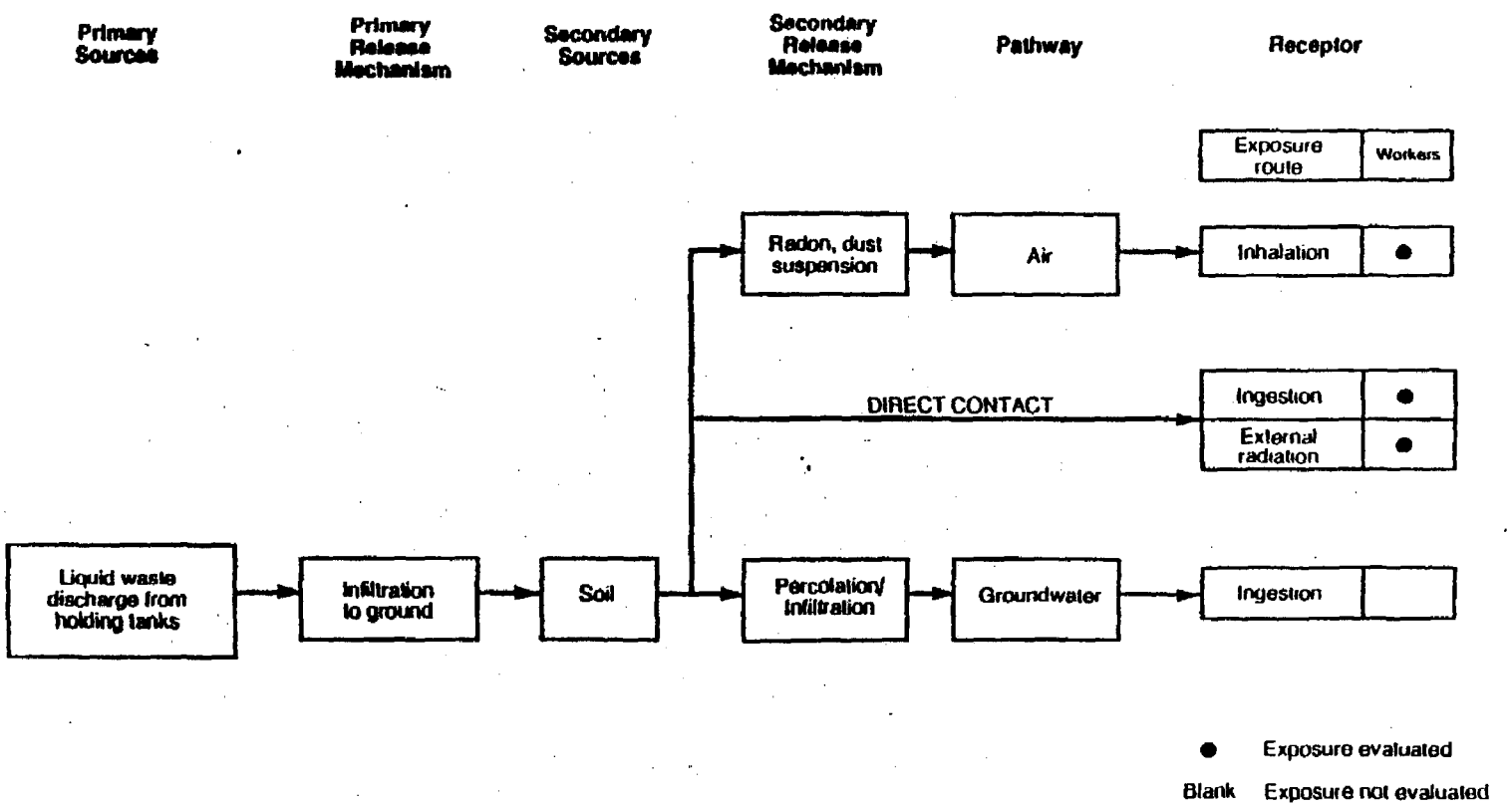

Figure 3-1
SNL/NM ER Site 5 Exposure Assessment Conceptual Model

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- That the radionuclide COCs are distributed throughout the depth of contamination according to a bounded lognormal distribution, with the minimum reported detection limit representing the 0.1th percentile of each COC concentration and the maximum value representing the 99.9th percentile. Because this approach assumes that any of the COCs might be found at any depth in any of the four boreholes, it conservatively overestimates the extent of contamination. For example, cesium-137 is assumed to be distributed throughout the depth of contamination even though no cesium-137 was detected in Boreholes LWDS-BH-11, LWDS-BH-13, or LWDS-BH-14 (Appendix A).

Under these assumptions, the exposure pathways are:

- Inhalation of airborne dust
- Ingestion of contaminated soil
- Direct external gamma radiation

Figure 3-1 shows the fugitive dust inhalation, incidental soil ingestion, and external radiation exposure pathways that were evaluated. The assumptions include a probability (less than 0.1%) that the contamination measured at depth in the boreholes might also be present at the surface and might be available for inhalation and ingestion exposure. This is a conservative assumption that would overestimate the exposure.

3.2 Chemical COC Exposure Evaluation

The evaluation of potential worker exposures to nonradioactive contaminants was based on the same industrial land-use scenario assumptions used for radionuclides (Section 3.1). The airborne dust inhalation and ingestion pathways were evaluated, but the direct external gamma radiation pathway was not included (Figure 3-1).

The nonradioactive COCs were also assumed to be distributed throughout the depth of contamination according to a lognormal distribution bounded by the 0.1th and 99.9th percentiles. The bounding COC concentrations were calculated from a logarithmic fit of the measured COC concentrations (see Appendix A).

3.3 Sensitivity Analysis of *Précis* Input Parameters

Estimates of radiation dose and chemical risks (both carcinogens and noncarcinogens) were made from 100 stochastic *Précis* simulations. This number of simulations is greater than twice the number of uncertain parameters (Appendix B) and is considered sufficient to describe the uncertainty of the calculated result (SNL/NM 1994, Iman 1982).

The radiation dose for occupational exposure at ER Site 5 was estimated to be the same value (0 mrem/year) for all 100 simulations at all times through 1,000 years into the future. Likewise, ICR and HI calculated for exposure to chemicals were calculated to be the same

value (0) in all simulations. Because the uncertainties in input parameters did not result in any uncertainty in the calculated values, no sensitivity analysis was possible.

3.4 Summary of *Précis* Input Parameters

Appendix B summarizes both the stochastic and nonstochastic input parameters used by *Précis* to calculate the radiation dose, the ICR, and the HI for ER Site 5.

4.0 TOXICITY ASSESSMENT

Hazardous materials are classified by their carcinogenic or noncarcinogenic (often termed "systemic") effects on human health. Carcinogenicity risk is described as the probability that an individual will develop cancer sometime during his or her lifetime from a chronic intake of the carcinogen in question (EPA 1989).

Cancer risk from chronic exposure to a chemical carcinogen is described by a slope factor (SF) used to relate the daily carcinogen intake to an upper limit of the cancer risk. The SF values used in this assessment were obtained from the Integrated Risk Information System (IRIS) (EPA 1994) or from the Health Effects Assessment Summary Tables (HEAST) (EPA 1993). All radionuclides are classified by the EPA as Group A human carcinogens because of their ionizing radiation emissions. For the purposes of this risk assessment, the cancer risk from radiation is limited by the maximum-allowed radiation dose received of 25 mrem/yr (DOE 1988). This limit applies to the total radiation dose received from all exposure pathways.

Systemic toxicity is described by the reference dose (RfD) concept, which assumes that a threshold level exists for systemic toxicity (EPA 1989). The RfD is the estimate of daily contaminant intake for a human population, including sensitive subpopulations, that is expected to cause no adverse human health effects from chronic exposure. The RfD values used in this analysis were obtained from the IRIS (EPA 1994).

Chromium compounds can contain chromium in the Cr(III) or Cr(VI) oxidation state. Cr(VI) compounds are Class A human carcinogens; but there is no evidence for carcinogenicity from exposure to Cr(III) compounds (EPA 1994). Because information regarding the oxidation state of chromium detected at ER Site 5 is unavailable, all chromium was assumed to be in the Cr(VI) oxidation state. This conservative assumption was made to overestimate the cancer risk to a worker.

Toxicity information for each potential chemical of concern at ER Site 5 is summarized in Table 4-1 and described in detail in Appendix C.

Table 4-1
Human Toxicity Factors Used for Calculations of Incremental Lifetime Cancer Risk and Hazard Index from Exposure to Constituents of Concern at the SNL/NM ER Site 5 Liquid Waste Disposal System Drainfield

Nonradioactive Constituents of Concern	Reference Dose		Health Effect, Target Organ	Oral Slope Factor (kg-day/mg)	Inhalation Slope Factor (kg-day/mg)	Cancer Class (see Appendix C)	Tumor Site
	Oral (mg/kg-day)	Dust Inhalation (mg/m^3)					
Beryllium	5E-03 [a]	b	Inflammation, lung	4.3 [a]	8.4 [a]	B2	Lung
Cadmium	1E-03 [a]	b	Proteinuria, kidney	b	6.1 [a]	B1	Respiratory Tract
Chromium (VI)	5E-03 [a]	b	Proteinuria, kidney	b	41	A	Lung
Toluene	2E-01 [a]	1.14E-01 [a]	Confusion, central nervous system dysfunction, liver, kidney	b	c	D	c
Zinc	3E-01 [a]	b	Gastrointestinal disorders	b	c	D	c

[a] Integrated Risk Information System (IRIS) (EPA 1994).
[b] No data available to establish toxicity factor.
[c] Not considered to be carcinogenic to humans (EPA 1994).

5.0 RISK CHARACTERIZATION OF COCs

The annual radiation dose from potential exposure to radionuclides, the ICR from exposure to carcinogenic chemical contaminants, and the HI for exposure to noncarcinogenic chemicals in soil at the LWDS drainfield were calculated using 100 *Précis* simulations based on industrial land-use scenario assumptions. This risk characterization employed a conservative approach that led to the overestimation of risk, as described in Section 3.0. Appendix D shows the results of *Précis* simulations.

5.1 Radiation Dose Characterization

The maximum radiation dose to potential workers from cesium-137 and cobalt-60 at ER Site 5 was calculated to be 0 mrem/year at all times through 1,000 years into the future. This calculated dose meets the 25 mrem/year regulatory limit specified for this risk assessment (DOE 1988). The low calculated radiation dose reflects complete shielding of gamma radiation by the 25 ft of overlying soil.

5.2 Risks and Hazards From Exposure to Hazardous Chemicals

The maximum ICR to potential workers from cadmium and chromium (VI) at ER Site 5 was calculated to be no incremental cancer risk at all times through 1,000 years into the future. This calculated ICR meets the 1×10^{-6} ICR regulatory limit specified for this risk assessment (EPA 1989). The maximum HI was also calculated to be zero at all times through 1,000 years into the future. This calculated value is well below the 1.0 HI regulatory limit (EPA 1989) and indicates no unacceptable hazard from potential exposures to the non-carcinogenic chemicals. Because beryllium, cadmium, and chromium (VI) are systemic toxicants as well as carcinogens, the contributions to both the ICR and the HI from potential beryllium, cadmium, and chromium (VI) exposure were calculated.

The calculation of ICR = 0 and HI = 0 follows from the calculation of no human intake of contaminants located at greater than 25 ft bgs according to the industrial land-use assumptions (see Section 3). According to EPA risk assessment methodology, zero intake represents zero risk or hazard (EPA 1989).

6.0 DISCUSSION

The radiation dose assessment for the industrial land-use scenario indicates that no appreciable dose (0 mrem/year) could be calculated through 1,000 years into the future and that 25 mrem/yr dose limit would be met at all times. This result indicates that gamma-emitting radionuclides located 25 ft below the surface are not available for inhalation as dust or for ingestion exposure of a worker at the surface. Further, the 25 ft of soil effectively shields the worker from gamma rays emitted by the radionuclides measured below the site.

Similarly, the cancer risk and the hazard index for COC were calculated to be far below acceptable limits. These results also indicate that hazardous chemicals located at 25 ft below the surface are not available for inhalation or ingestion exposure of a worker at the surface.

6.1 Uncertainty

The uncertainties of all input parameters (see Appendix B) did not result in any variability in radiation dose, ICR, or HI estimates.

6.2 Conclusions

Radiation dose, ICR, and HI values calculated using conservative worker exposure assumptions and conservative radiation dose and cancer risk limits indicate that there is no unacceptable radiation dose, cancer risk, or systemic toxicity hazard associated with cesium-137, cobalt-60, beryllium, cadmium, chromium, toluene, or zinc measured at ER Site 5. The location of radionuclide and hazardous chemical contaminants at greater than 25 ft below ground effectively removes exposure pathways to a worker at the surface.

7.0 REFERENCES

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APPENDIX A

SITE CHARACTERIZATION DATA

Table A-1
Cadmium, Cesium-137, Cobalt-60, and Zinc Concentration in Core Samples Collected at the SNL/NM ER Site 5 Liquid Waste Disposal System Drainfield Boreholes

SSNUMBER	SAMPLE_DEPTH (ft)	COMMON_NAME	CONCENTRATION	LN CONCENTRATION	DETECTION_LIMIT
			ppm		
LWDS-BH-11	47.50	CADMIUM	0.3100	-1.1712	NA
LWDS-BH-12	30.00	CADMIUM	0.3100	-1.1712	NA
LWDS-BH-12	55.00	CADMIUM	0.4000	-0.9163	NA
LWDS-BH-12	50.00	CADMIUM	0.4100	-0.8916	NA
LWDS-BH-11	25.00	CADMIUM	0.5000	-0.6931	NA
LWDS-BH-11	30.00	CADMIUM	0.5000	-0.6931	NA
LWDS-BH-11	35.00	CADMIUM	0.5000	-0.6931	NA
LWDS-BH-11	37.50	CADMIUM	0.5000	-0.6931	NA
LWDS-BH-11	40.00	CADMIUM	0.5000	-0.6931	NA
LWDS-BH-11	42.50	CADMIUM	0.5000	-0.6931	NA
LWDS-BH-11	45.00	CADMIUM	0.5000	-0.6931	NA
LWDS-BH-11	50.00	CADMIUM	0.5000	-0.6931	NA
LWDS-BH-11	55.00	CADMIUM	0.5000	-0.6931	NA
LWDS-BH-11	60.00	CADMIUM	0.5000	-0.6931	NA
LWDS-BH-11	65.00	CADMIUM	0.5000	-0.6931	NA
LWDS-BH-11	70.00	CADMIUM	0.5000	-0.6931	NA
LWDS-BH-11	70.00	CADMIUM	0.5000	-0.6931	NA
LWDS-BH-12	25.00	CADMIUM	0.5000	-0.6931	NA
LWDS-BH-13	25.00	CADMIUM	0.5000	-0.6931	NA
LWDS-BH-13	30.00	CADMIUM	0.5000	-0.6931	NA
LWDS-BH-13	32.50	CADMIUM	0.5000	-0.6931	NA
LWDS-BH-13	35.00	CADMIUM	0.5000	-0.6931	NA
LWDS-BH-13	37.50	CADMIUM	0.5000	-0.6931	NA
LWDS-BH-13	40.00	CADMIUM	0.5000	-0.6931	NA
LWDS-BH-13	45.00	CADMIUM	0.5000	-0.6931	NA
LWDS-BH-13	50.00	CADMIUM	0.5000	-0.6931	NA
LWDS-BH-13	50.00	CADMIUM	0.5000	-0.6931	NA
LWDS-BH-14	32.50	CADMIUM	0.5000	-0.6931	NA
LWDS-BH-14	45.00	CADMIUM	0.5000	-0.6931	NA
LWDS-BH-14	50.00	CADMIUM	0.5000	-0.6931	NA
LWDS-BH-14	60.00	CADMIUM	0.5000	-0.6931	NA
LWDS-BH-14	40.00	CADMIUM	0.5700	-0.5621	NA
LWDS-BH-14	55.00	CADMIUM	0.5800	-0.5447	NA
LWDS-BH-14	25.00	CADMIUM	0.8800	-0.1278	NA
LWDS-BH-14	60.00	CADMIUM	0.9600	-0.0408	NA
LWDS-BH-13	55.00	CADMIUM	1.0000	0.0000	NA
LWDS-BH-14	35.00	CADMIUM	2.5000	0.9163	NA
LWDS-BH-14	37.50	CADMIUM	2.5000	0.9163	NA
LWDS-BH-12	55.00	CADMIUM	3.0000	1.0986	NA
LWDS-BH-12	35.00	CADMIUM	3.5000	1.2528	NA
LWDS-BH-12	45.00	CADMIUM	5.3000	1.6677	NA
LWDS-BH-12	32.50	CADMIUM	5.7000	1.7405	NA
LWDS-BH-14	30.00	CADMIUM	6.7000	1.9021	NA
LWDS-BH-12	40.00	CADMIUM	22.5000	3.1135	NA
LWDS-BH-12	37.50	CADMIUM	51.1000	3.9338	NA

Regression Statistics	
Ln	
R Square	0.91
Mean	0.51
St. Deviation	1.51
0.1 Value	0.02
99.9 Value	154.44

Table A-1
Cadmium, Cesium-137, Cobalt-60, and Zinc Concentration in Core Samples Collected at the SNL/NM ER Site 5 Liquid Waste Disposal System Drainfield Boreholes

SSNUMBER	SAMPLE_DEPTH (ft)	COMMON_NAME	CONCENTRATION (pCi/g)	LN CONCENTRATION	DETECTION_LIMIT
LWDS-BH-11	25.00	CESIUM-137	0.0590	-2.8302	NA
LWDS-BH-11	30.00	CESIUM-137	0.0510	-2.9759	NA
LWDS-BH-11	35.00	CESIUM-137	0.0600	-2.8134	NA
LWDS-BH-11	37.50	CESIUM-137	0.0380	-3.2702	NA
LWDS-BH-11	40.00	CESIUM-137	0.0380	-3.2702	NA
LWDS-BH-11	42.50	CESIUM-137	0.0450	-3.1011	NA
LWDS-BH-11	45.00	CESIUM-137	0.0430	-3.1466	NA
LWDS-BH-11	47.50	CESIUM-137	0.0440	-3.1236	NA
LWDS-BH-11	50.00	CESIUM-137	0.0490	-3.0159	NA
LWDS-BH-11	55.00	CESIUM-137	0.0420	-3.1701	NA
LWDS-BH-11	60.00	CESIUM-137	0.0420	-3.1701	NA
LWDS-BH-11	65.00	CESIUM-137	0.0210	-3.8632	NA
LWDS-BH-11	70.00	CESIUM-137	0.0470	-3.0576	NA
LWDS-BH-11	70.00	CESIUM-137	0.0460	-3.0791	NA
LWDS-BH-12	25.00	CESIUM-137	0.0560	-2.8824	NA
LWDS-BH-12	30.00	CESIUM-137	0.0960	-2.3434	NA
LWDS-BH-12	32.50	CESIUM-137	0.0550	-2.9004	NA
LWDS-BH-12	35.00	CESIUM-137	0.0750	-2.5903	NA
LWDS-BH-12	37.50	CESIUM-137	0.1400	-1.9661	NA
LWDS-BH-12	40.00	CESIUM-137	0.1200	-2.1203	NA
LWDS-BH-12	45.00	CESIUM-137	0.0540	-2.9188	NA
LWDS-BH-12	50.00	CESIUM-137	0.0370	-3.2968	NA
LWDS-BH-12	55.00	CESIUM-137	0.0430	-3.1466	NA
LWDS-BH-12	55.00	CESIUM-137	0.0380	-3.2702	NA
LWDS-BH-13	25.00	CESIUM-137	0.0470	-3.0576	NA
LWDS-BH-13	30.00	CESIUM-137	0.0380	-3.2702	NA
LWDS-BH-13	32.50	CESIUM-137	0.0420	-3.1701	NA
LWDS-BH-13	35.00	CESIUM-137	0.0440	-3.1236	NA
LWDS-BH-13	37.50	CESIUM-137	0.0360	-3.3242	NA
LWDS-BH-13	40.00	CESIUM-137	0.0400	-3.2189	NA
LWDS-BH-13	45.00	CESIUM-137	0.0410	-3.1942	NA
LWDS-BH-13	50.00	CESIUM-137	0.0370	-3.2968	NA
LWDS-BH-13	50.00	CESIUM-137	0.0360	-3.3242	NA
LWDS-BH-13	55.00	CESIUM-137	0.0460	-3.0791	NA
LWDS-BH-14	25.00	CESIUM-137	0.0340	-3.3814	NA
LWDS-BH-14	30.00	CESIUM-137	0.0390	-3.2442	NA
LWDS-BH-14	32.50	CESIUM-137	0.0380	-3.2702	NA
LWDS-BH-14	35.00	CESIUM-137	0.0540	-2.9188	NA
LWDS-BH-14	37.50	CESIUM-137	0.0370	-3.2968	NA
LWDS-BH-14	40.00	CESIUM-137	0.0310	-3.4738	NA
LWDS-BH-14	45.00	CESIUM-137	0.0460	-3.0791	NA
LWDS-BH-14	50.00	CESIUM-137	0.0490	-3.0159	NA
LWDS-BH-14	55.00	CESIUM-137	0.0400	-3.2189	NA
LWDS-BH-14	60.00	CESIUM-137	0.0450	-3.1011	NA
LWDS-BH-14	60.00	CESIUM-137	0.0330	-3.4112	NA

Table A-1
Cadmium, Cesium-137, Cobalt-60, and Zinc Concentration in Core Samples Collected at the SNL/NM ER Site 5 Liquid Waste Disposal System Drainfield Boreholes

SSNUMBER	SAMPLE_DEPTH (ft)	COMMON_NAME	CONCENTRATION (pCi/g)	LN CONCENTRATION	DETECTION_LIMIT
LWDS-BH-11	25.00	COBALT-60	0.0640	-2.7489	NA
LWDS-BH-11	30.00	COBALT-60	0.0580	-2.8473	NA
LWDS-BH-11	35.00	COBALT-60	0.0660	-2.7181	NA
LWDS-BH-11	37.50	COBALT-60	0.0510	-2.9759	NA
LWDS-BH-11	40.00	COBALT-60	0.0540	-2.9188	NA
LWDS-BH-11	42.50	COBALT-60	0.0460	-3.0791	NA
LWDS-BH-11	45.00	COBALT-60	0.0530	-2.9375	NA
LWDS-BH-11	47.50	COBALT-60	0.0450	-3.1011	NA
LWDS-BH-11	50.00	COBALT-60	0.0480	-3.0366	NA
LWDS-BH-11	55.00	COBALT-60	0.0650	-2.7334	NA
LWDS-BH-11	60.00	COBALT-60	0.0520	-2.9565	NA
LWDS-BH-11	65.00	COBALT-60	0.0360	-3.3242	NA
LWDS-BH-11	70.00	COBALT-60	0.0580	-2.8473	NA
LWDS-BH-11	70.00	COBALT-60	0.0490	-3.0159	NA
LWDS-BH-12	25.00	COBALT-60	0.0690	-2.6736	NA
LWDS-BH-12	30.00	COBALT-60	0.1500	-1.8971	NA
LWDS-BH-12	32.50	COBALT-60	0.0650	-2.7334	NA
LWDS-BH-12	35.00	COBALT-60	0.0750	-2.5903	NA
LWDS-BH-12	37.50	COBALT-60	0.0710	-2.6451	NA
LWDS-BH-12	40.00	COBALT-60	0.0730	-2.6173	NA
LWDS-BH-12	45.00	COBALT-60	0.0670	-2.7031	NA
LWDS-BH-12	50.00	COBALT-60	0.0530	-2.9375	NA
LWDS-BH-12	55.00	COBALT-60	0.0470	-3.0576	NA
LWDS-BH-12	55.00	COBALT-60	0.0440	-3.1236	NA
LWDS-BH-13	25.00	COBALT-60	0.0560	-2.8824	NA
LWDS-BH-13	30.00	COBALT-60	0.0450	-3.1011	NA
LWDS-BH-13	32.50	COBALT-60	0.0493	-3.0159	NA
LWDS-BH-13	35.00	COBALT-60	0.0420	-3.1701	NA
LWDS-BH-13	37.50	COBALT-60	0.0440	-3.1236	NA
LWDS-BH-13	40.00	COBALT-60	0.0540	-2.9188	NA
LWDS-BH-13	45.00	COBALT-60	0.0540	-2.9188	NA
LWDS-BH-13	50.00	COBALT-60	0.0430	-3.1466	NA
LWDS-BH-13	50.00	COBALT-60	0.0460	-3.0791	NA
LWDS-BH-13	55.00	COBALT-60	0.0540	-2.9188	NA
LWDS-BH-14	25.00	COBALT-60	0.0460	-3.0791	NA
LWDS-BH-14	30.00	COBALT-60	0.0810	-2.5133	NA
LWDS-BH-14	32.50	COBALT-60	0.0470	-3.0576	NA
LWDS-BH-14	35.00	COBALT-60	0.0430	-3.1466	NA
LWDS-BH-14	37.50	COBALT-60	0.0540	-2.9188	NA
LWDS-BH-14	40.00	COBALT-60	0.0410	-3.1942	NA
LWDS-BH-14	45.00	COBALT-60	0.0620	-2.7806	NA
LWDS-BH-14	50.00	COBALT-60	0.0510	-2.9759	NA
LWDS-BH-14	55.00	COBALT-60	0.0520	-2.9565	NA
LWDS-BH-14	60.00	COBALT-60	0.0570	-2.8647	NA
LWDS-BH-14	60.00	COBALT-60	0.0410	-3.1942	NA

Table A-1
Cadmium, Cesium-137, Cobalt-60, and Zinc Concentration in Core Samples Collected at the SNL/NM ER Site 5 Liquid Waste Disposal System Drainfield Boreholes

SSNUMBER	SAMPLE_DEPTH (ft)	COMMON_NAME	CONCENTRATION (ppm)	LN CONCENTRATION	DETECTION_LIMIT
LWDS-BH-11	25.00	ZINC	31.8000	3.4595	NA
LWDS-BH-11	30.00	ZINC	18.4000	2.9124	NA
LWDS-BH-11	35.00	ZINC	23.9000	3.1739	NA
LWDS-BH-11	37.50	ZINC	22.6000	3.1179	NA
LWDS-BH-11	40.00	ZINC	24.0000	3.1781	NA
LWDS-BH-11	42.50	ZINC	18.9000	2.9392	NA
LWDS-BH-11	45.00	ZINC	24.1000	3.1822	NA
LWDS-BH-11	47.50	ZINC	21.6000	3.0727	NA
LWDS-BH-11	50.00	ZINC	21.9000	3.0865	NA
LWDS-BH-11	55.00	ZINC	14.2000	2.6532	NA
LWDS-BH-11	60.00	ZINC	20.8000	3.0350	NA
LWDS-BH-11	65.00	ZINC	14.0000	2.6391	NA
LWDS-BH-11	70.00	ZINC	24.9000	3.2149	NA
LWDS-BH-11	70.00	ZINC	24.2000	3.1864	NA
LWDS-BH-12	25.00	ZINC	20.8000	3.0350	NA
LWDS-BH-12	30.00	ZINC	16.2000	2.7850	NA
LWDS-BH-12	32.50	ZINC	25.1000	3.2229	NA
LWDS-BH-12	35.00	ZINC	18.3000	2.9069	NA
LWDS-BH-12	37.50	ZINC	67.3000	4.2092	NA
LWDS-BH-12	40.00	ZINC	36.3000	3.5918	NA
LWDS-BH-12	45.00	ZINC	17.5000	2.8622	NA
LWDS-BH-12	50.00	ZINC	18.4000	2.9124	NA
LWDS-BH-12	55.00	ZINC	11.6000	2.4510	NA
LWDS-BH-12	55.00	ZINC	22.7000	3.1224	NA
LWDS-BH-13	25.00	ZINC	28.6000	3.3534	NA
LWDS-BH-13	30.00	ZINC	20.0000	2.9957	NA
LWDS-BH-13	32.50	ZINC	27.4000	3.3105	NA
LWDS-BH-13	35.00	ZINC	30.2000	3.4078	NA
LWDS-BH-13	37.50	ZINC	21.1000	3.0493	NA
LWDS-BH-13	40.00	ZINC	17.5000	2.8622	NA
LWDS-BH-13	45.00	ZINC	30.1000	3.4045	NA
LWDS-BH-13	50.00	ZINC	22.4000	3.1091	NA
LWDS-BH-13	50.00	ZINC	22.4000	3.1091	NA
LWDS-BH-13	55.00	ZINC	10.9000	2.3888	NA
LWDS-BH-14	25.00	ZINC	20.5000	3.0204	NA
LWDS-BH-14	30.00	ZINC	19.5000	2.9704	NA
LWDS-BH-14	32.50	ZINC	16.4000	2.7973	NA
LWDS-BH-14	35.00	ZINC	23.8000	3.1697	NA
LWDS-BH-14	37.50	ZINC	18.8000	2.9339	NA
LWDS-BH-14	40.00	ZINC	22.3000	3.1046	NA
LWDS-BH-14	45.00	ZINC	19.4000	2.9653	NA
LWDS-BH-14	50.00	ZINC	16.9000	2.8273	NA
LWDS-BH-14	55.00	ZINC	11.0000	2.3979	NA
LWDS-BH-14	60.00	ZINC	16.2000	2.7850	NA
LWDS-BH-14	60.00	ZINC	24.6000	3.2027	NA

Regression Statistics	
Ln	
R Square	0.82
Mean	3.05
Std Deviation	0.32
0.1 Value	8.17
99.9 Value	54.22

Table A-2
Toluene Concentration in Core Samples Collected
at the SNL/NM ER Site 5 Liquid Waste Disposal System Drainfield Boreholes

SSNUMBER	SAMPLE_DEPTH (ft)	COMMON_NAME	CONCENTRATION (microgram/kg)	LN CONCENTRATION	DETECTION_LIMIT (microgram/kg)
LWDS-BH-11	37.5	TOLUENE	2	0.6931	NA
LWDS-BH-11	70	TOLUENE	5	1.6094	NA
LWDS-BH-11	60	TOLUENE	5.7	1.7405	NA
LWDS-BH-11	50	TOLUENE	5	1.6094	NA
LWDS-BH-11	45	TOLUENE	5	1.6094	NA
LWDS-BH-11	40	TOLUENE	5	1.6094	NA
LWDS-BH-11	32.5	TOLUENE	5	1.6094	NA
LWDS-BH-11	35	TOLUENE	5	1.6094	NA
LWDS-BH-11	25	TOLUENE	5	1.6094	NA
LWDS-BH-11	30	TOLUENE	3.4	1.2238	NA
LWDS-BH-11	42.5	TOLUENE	5	1.6094	NA
LWDS-BH-11	47.5	TOLUENE	1.8	0.5878	NA
LWDS-BH-11	65	TOLUENE	51	3.9318	NA
LWDS-BH-11	70	TOLUENE	5	1.6094	NA
LWDS-BH-11	55	TOLUENE	23	3.1355	NA
LWDS-BH-12	55	TOLUENE	1.9	0.6419	NA
LWDS-BH-12	55	TOLUENE	1.2	0.1823	NA
LWDS-BH-12	45	TOLUENE	3.2	1.1632	NA
LWDS-BH-12	37.5	TOLUENE	5	1.6094	NA
LWDS-BH-12	32.5	TOLUENE	5	1.6094	NA
LWDS-BH-12	25	TOLUENE	5	1.6094	NA
LWDS-BH-12	30	TOLUENE	5	1.6094	NA
LWDS-BH-12	35	TOLUENE	5	1.6094	NA
LWDS-BH-12	40	TOLUENE	5	1.6094	NA
LWDS-BH-12	50	TOLUENE	5	1.6094	NA
LWDS-BH-13	0	TOLUENE	5	1.6094	NA
LWDS-BH-13	25	TOLUENE	5	1.6094	NA
LWDS-BH-13	30	TOLUENE	5	1.6094	NA
LWDS-BH-13	32.5	TOLUENE	5	1.6094	NA
LWDS-BH-13	35	TOLUENE	1.2	0.1823	NA
LWDS-BH-13	37.5	TOLUENE	5	1.6094	NA
LWDS-BH-13	40	TOLUENE	5	1.6094	NA
LWDS-BH-13	45	TOLUENE	5	1.6094	NA
LWDS-BH-13	50	TOLUENE	5	1.6094	NA
LWDS-BH-13	50	TOLUENE	5	1.6094	NA
LWDS-BH-13	55	TOLUENE	5	1.6094	NA
LWDS-BH-14	40	TOLUENE	3.9	1.3610	NA
LWDS-BH-14	37.5	TOLUENE	5	1.6094	NA
LWDS-BH-14	35	TOLUENE	5	1.6094	NA
LWDS-BH-14	32.5	TOLUENE	5	1.6094	NA
LWDS-BH-14	30	TOLUENE	5	1.6094	NA
LWDS-BH-14	25	TOLUENE	5	1.6094	NA
LWDS-BH-14	60	TOLUENE	1.6	0.4700	NA
LWDS-BH-14	60	TOLUENE	1.8	0.5878	NA
LWDS-BH-14	55	TOLUENE	5.4	1.6864	NA
LWDS-BH-14	50	TOLUENE	2.7	0.9933	NA
LWDS-BH-14	45	TOLUENE	1.6	0.4700	NA
Regression Statistics					
Ln					
R Square	0.75				
Mean	1.17				
St. Deviation	1.01				
0.1 Value	0.16				
99.9 Value	67.06				

Table A-3
Beryllium and Chromium Concentration in Core Samples Collected at the SNL/NM ER Site 5 Liquid Waste Disposal System Drainfield Boreholes

SSNUMBER	SAMPLE_DEPTH (ft)	COMMON_NAME	CONCENTRATION (mg/kg)	LN CONCENTRATION	DETECTION_LIMIT (mg/kg)
LWDS-05-BH11	25	CHROMIUM	0.5	2.3514	1
LWDS-05-BH11	30	CHROMIUM	4.9	1.5892	1
LWDS-05-BH11	35	CHROMIUM	7.1	1.9601	1
LWDS-05-BH11	37.5	CHROMIUM	2.2	0.7885	1
LWDS-05-BH11	40	CHROMIUM	5.7	1.7405	1
LWDS-05-BH11	42.5	CHROMIUM	5.4	1.6864	1
LWDS-05-BH11	45	CHROMIUM	7.3	1.9879	1
LWDS-05-BH11	47.5	CHROMIUM	8.5	2.1518	1
LWDS-05-BH11	50	CHROMIUM	6.9	1.9315	1
LWDS-05-BH11	55	CHROMIUM	6.1	1.8083	1
LWDS-05-BH11	60	CHROMIUM	6.9	1.9315	1
LWDS-05-BH11	65	CHROMIUM	3.2	1.1632	1
LWDS-05-BH11	70	CHROMIUM	6.8	1.9169	1
LWDS-05-BH11	70	CHROMIUM	7.5	2.0149	1
LWDS-05-BH12	25	CHROMIUM	3.8	1.3350	1
LWDS-05-BH12	30	CHROMIUM	2.7	0.9933	1
LWDS-05-BH12	32.5	CHROMIUM	14.5	2.6741	1
LWDS-05-BH12	35	CHROMIUM	5.6	1.7228	1
LWDS-05-BH12	37.5	CHROMIUM	28.7	3.3569	1
LWDS-05-BH12	40	CHROMIUM	20.9	3.0397	1
LWDS-05-BH12	45	CHROMIUM	5.8	1.7579	1
LWDS-05-BH12	50	CHROMIUM	3.6	1.2809	1
LWDS-05-BH12	55	CHROMIUM	7.4	2.0015	1
LWDS-05-BH12	55	CHROMIUM	2.6	0.9555	1
LWDS-05-BH13	25	CHROMIUM	7.7	2.0412	1
LWDS-05-BH13	30	CHROMIUM	6.7	1.9021	1
LWDS-05-BH13	32.5	CHROMIUM	7.7	2.0412	1
LWDS-05-BH13	35	CHROMIUM	6.7	1.9021	1
LWDS-05-BH13	37.5	CHROMIUM	5.9	1.7750	1
LWDS-05-BH13	40	CHROMIUM	6.5	1.8718	1
LWDS-05-BH13	45	CHROMIUM	4.6	1.5261	1
LWDS-05-BH13	50	CHROMIUM	10.5	2.3514	1
LWDS-05-BH13	50	CHROMIUM	16	2.7726	1
LWDS-05-BH13	55	CHROMIUM	6	1.7918	2
LWDS-05-BH14	25	CHROMIUM	5.6	1.7228	1
LWDS-05-BH14	30	CHROMIUM	6.7	1.9021	1
LWDS-05-BH14	32.5	CHROMIUM	3.8	1.3350	1
LWDS-05-BH14	35	CHROMIUM	5	1.6094	5
LWDS-05-BH14	37.5	CHROMIUM	42.4	3.7471	1
LWDS-05-BH14	40	CHROMIUM	5.6	1.7228	1
LWDS-05-BH14	45	CHROMIUM	7	1.9459	1
LWDS-05-BH14	50	CHROMIUM	7.7	2.0412	1
LWDS-05-BH14	55	CHROMIUM	2.3	0.8329	1
LWDS-05-BH14	60	CHROMIUM	11.3	2.4248	1
LWDS-05-BH14	60	CHROMIUM	7.5	2.0149	1
Regression Statistics					
ln					
R Square	0.480279				
Mean	8.12				
St. Deviation	7.104563				
0.1 Value	-13.1937				
99.9 Value	29.43369				

Table A-3
Beryllium and Chromium Concentration in Core Samples Collected at the SNL/NM ER Site 5 Liquid Waste Disposal System Drainfield Boreholes

SSNUMBER	SAMPLE_DEPTH (ft)	COMMON_NAME	CONCENTRATION (mg/kg)	LN CONCENTRATION	DETECTION_LIMIT (mg/kg)
LWDS-05-BH11	25	BERYLLIUM	0 61	-0.4943	0.2
LWDS-05-BH11	30	BERYLLIUM	0.35	-1.0498	0.2
LWDS-05-BH11	35	BERYLLIUM	0.52	-0.6539	0.2
LWDS-05-BH11	37.5	BERYLLIUM	0.5	-0.6931	0.2
LWDS-05-BH11	40	BERYLLIUM	0.44	-0 8210	0.2
LWDS-05-BH11	42.5	BERYLLIUM	0.38	-0.9676	0.2
LWDS-05-BH11	45	BERYLLIUM	0.39	-0.9416	0.2
LWDS-05-BH11	47.5	BERYLLIUM	0.52	-0.6539	0.2
LWDS-05-BH11	50	BERYLLIUM	0.34	-1.0788	0.2
LWDS-05-BH11	55	BERYLLIUM	0.28	-1.2730	0.2
LWDS-05-BH11	60	BERYLLIUM	0.42	-0.8675	0.2
LWDS-05-BH11	65	BERYLLIUM	0.27	-1.3093	0.2
LWDS-05-BH11	70	BERYLLIUM	0.36	-1.0217	0.2
LWDS-05-BH11	70	BERYLLIUM	0.46	-0.7765	0.2
LWDS-05-BH12	25	BERYLLIUM	0.24	-1.4271	0.2
LWDS-05-BH12	30	BERYLLIUM	0.23	-1.4697	0.2
LWDS-05-BH12	32.5	BERYLLIUM	0.25	-1.3863	0.2
LWDS-05-BH12	35	BERYLLIUM	0.19	-1.6607	0.2
LWDS-05-BH12	37.5	BERYLLIUM	0.14	-1.9661	0.2
LWDS-05-BH12	40	BERYLLIUM	0.14	-1.9661	0.2
LWDS-05-BH12	45	BERYLLIUM	0.2	-1.6094	0.2
LWDS-05-BH12	50	BERYLLIUM	0.16	-1.8326	0.2
LWDS-05-BH12	55	BERYLLIUM	0.21	-1.5606	0.2
LWDS-05-BH12	55	BERYLLIUM	0.13	-2.0402	0.2
LWDS-05-BH13	25	BERYLLIUM	0.38	-0.9676	0.2
LWDS-05-BH13	30	BERYLLIUM	0.26	-1.3471	0.2
LWDS-05-BH13	32.5	BERYLLIUM	0.39	-0.9416	0.2
LWDS-05-BH13	35	BERYLLIUM	0.37	-0.9943	0.2
LWDS-05-BH13	37.5	BERYLLIUM	0.28	-1.2730	0.2
LWDS-05-BH13	40	BERYLLIUM	0.27	-1.3093	0.2
LWDS-05-BH13	45	BERYLLIUM	0.2	-1.6094	0.2
LWDS-05-BH13	50	BERYLLIUM	0.28	-1.2730	0.2
LWDS-05-BH13	50	BERYLLIUM	0.29	-1.2379	0.2
LWDS-05-BH13	55	BERYLLIUM	0.4	-0.9163	0.4
LWDS-05-BH14	25	BERYLLIUM	0.32	-1.1394	0.2
LWDS-05-BH14	30	BERYLLIUM	0.59	-0.5276	0.2
LWDS-05-BH14	32.5	BERYLLIUM	0.33	-1.1087	0.2
LWDS-05-BH14	35	BERYLLIUM	1	0.0000	1
LWDS-05-BH14	37.5	BERYLLIUM	0.34	-1.0788	0.2
LWDS-05-BH14	40	BERYLLIUM	0.49	-0.7133	0.2
LWDS-05-BH14	45	BERYLLIUM	0.56	-0.5798	0.2
LWDS-05-BH14	50	BERYLLIUM	0.56	-0.5798	0.2
LWDS-05-BH14	55	BERYLLIUM	0.62	-0.4780	0.2
LWDS-05-BH14	60	BERYLLIUM	0.44	-0.8210	0.2
LWDS-05-BH14	60	BERYLLIUM	0.55	-0.5978	0.2
Regression Statistics					
ln					
R Square	0.864163				
Mean	0.355333				
St. Deviation	0.18109				
0.1 Value	-0.18794				
99.9 Value	0.898604				

APPENDIX B

PRÉCIS INPUT PARAMETERS

Table B-1
Précis Input Parameters for Radiation Dose Calculations

```
**********************************************************************
**                                                                  **
**            Monte Carlo Simulation Summary Report                 **
**                                                                  **
**********************************************************************

Date of simulation: Tue Apr  4 13:41:02 1995

Total number of runs: 100       LHS Seed: 256

**********************************************************************
**                                                                  **
**                        Precis Summary of Inputs                  **
**                                                                  **
**********************************************************************
Site Name: ER Site 5 Radionuclides

Land Use Scenario: Industrial

Pathway Selections:
     Gamma: active
      Dust: active
     Radon: active
     Plant: inactive
      Meat: inactive
      Milk: inactive
      Soil: active
     Water: inactive
      Fish: inactive

Model Assumptions
   Water Transport: Nondispersion
```

****
** **
** Parameter Summary **
** **
****

Area of contaminated zone = 194.7 square meters
Justification: Calculated from Figure 2-2

Thickness of cover zone = 9.14 meters
Justification: Calculated from Appendix A tables

Density of cover zone = 1.6 grams/cm**3
Justification: Precis default, nonstochastic parameter consistent with SNL/NM-specific value.

Radon diffusion coefficient (cover) = 2e-06 meters/sec
Justification: Precis default, nonstochastic parameter consistent with SNL/NM-specific value.

Radon diffusion coefficient (contaminated) = 2e-06 meters/sec
LHS Settings: Normal-B 1.5e-06 3.5e-06
Justification: Yu, 1992.

Depth of soil mixing area = 0.15 meters

Fraction of time spent indoors = 0.5
Justification: Precis default, nonstochastic parameter consistent with exposure assumptions.

Radon-220 emanation factor = 0.1
Justification: Precis default, nonstochastic parameter consistent with SNL/NM-specific value.

Occupancy and shielding factor, external gamma = 0.257587
LHS Settings: Normal-B 0.23 0.33
Justification: Justification: Calculated assuming 10 to 50% outdoor occupancy onsite, 25 to 50% indoor occupancy at 70% outside exposure Yu, 1992.

Occupancy factor, dust inhalation = 0.449762
LHS Settings: Normal-B 0.3 0.6
Justification: Justification: Calculated assuming 10 to 50% outdoor occupancy onsite, 25 to 50% indoor occupancy at 40% outside exposure Yu, 1992.

Fraction of time outdoors = 0.25
Justification: Precis default, nonstochastic parameter consistent with exposure assumptions.

Shape factor for external gamma = 1
Justification: Precis default, nonstochastic parameter consistent with SNL/NM-specific value.

Hydraulic gradient of saturated zone = 0.02
Justification: Precis default, nonstochastic parameter consistent with SNL/NM-specific value.

Radon vertical dimension of mixing = 2 meters
LHS Settings: Uniform 1.5 2.5
Justification: Yu, 1992.

Inhalation rate = 8851.23 meters**3/year
LHS Settings: Normal-B 3600 1.1e+04
Justification: EPA 1989

Length parallel to aquifer flow = 19.5 meters
Justification: Square root of the contaminated area.

Dilution length for inhalation = 3 meters
LHS Settings: Lognormal-B 0.03 250
Justification: Gilbert et al, 1989.

Mass loading for inhalation = 2.70567e-05 grams/meter**3
LHS Settings: Lognormal-B 9e-06 0.0004
Justification: Yu, 1992.

Fractional water content (cover) = 0.05
Justification: Precis default, nonstochastic parameter consistent with SNL/NM-specific value.

Soil ingestion rate = 18.25 grams/year
Justification: EPA 1989

Thickness of contaminated zone = 0.364707 meters
LHS Settings: Lognormal-B 0.3 10.6
Justification: Thickness of contamination 1 to 35 ft, Appendix A tables.

Erosion rate of cover = 0.001 meters/year
Justification: Precis default, nonstochastic parameter consistent with SNL/NM-specific value.

Erosion rate of contaminated zone = 1e-09 meters/year
Justification: Contamination is located below surface, Appendix A tables

Average annual wind speed = 2 meters/sec
Justification: Precis default, nonstochastic parameter consistent with SNL/NM-specific value.

Basic Radiation Dose Limit = 25 millirem/year
Justification: DOE, 1988

Time since placed = 0 years

Time step - 1 = 1 years
Time step - 2 = 3 years
Time step - 3 = 5 years
Time step - 4 = 10 years
Time step - 5 = 30 years
Time step - 6 = 100 years
Time step - 7 = 300 years
Time step - 8 = 500 years
Time step - 9 = 1000 years

Soil b-parameter of contaminated zone = 1.74511
LHS Settings: Lognormal-B 0.4 10.3
Justification: SNL/NM, 1991. Monitoring Well MW-4, Chemical Waste Landfill.

Soil b-parameter of saturated zone = 5.3
Justification: Precis default, nonstochastic parameter consistent with SNL/NM-specific value.

Soil b-parameter of unsaturated zone = 5.3
Justification: Precis default, nonstochastic parameter consistent with SNL/NM-specific value.

Density of contaminated zone = 1.42797 grams/cm**3
LHS Settings: Normal-B 1.3 1.7
Justification: Yu, 1992.

Density of saturated zone = 1.6 grams/cm**3
Justification: Precis default, nonstochastic parameter consistent with SNL/NM-specific value.

Density of unsaturated zone = 1.6 grams/cm**3
Justification: Precis default, nonstochastic parameter consistent with SNL/NM-specific value.

Effective porosity of contaminated zone = 0.201965
LHS Settings: Normal-B 0.13 0.3
Justification: Yu, 1992.

Effective porosity of saturated zone = 0.2
Justification: Precis default, nonstochastic parameter consistent with SNL/NM-specific value.

Effective porosity of unsaturated zone = 0.2
Justification: Precis default, nonstochastic parameter consistent with SNL/NM-specific value.

Thickness of unsaturated zone = 125 meters
Justification: Conservative (lower) value measure at the Chemical Waste Landfill SNL/NM, 1991.

Hydraulic conductivity of contaminated zone = 100 meters/year
Justification: Precis default, nonstochastic parameter consistent with SNL/NM-specific value.

Hydraulic conductivity of saturated zone = 100 meters/year
Justification: Precis default, nonstochastic parameter consistent with SNL/NM-specific value.

Hydraulic conductivity of unsaturated zone = 100 meters/year
Justification: Precis default, nonstochastic parameter consistent with SNL/NM-specific value.

Total porosity of contaminated zone = 0.4
Justification: Precis default, nonstochastic parameter consistent with SNL/NM-specific value.

Total porosity of saturated zone = 0.451437
LHS Settings: Normal-B 0.24 0.57
Justification: Yu,1992.

Total porosity of unsaturated zone = 0.4
Justification: Precis default, nonstochastic parameter consistent with SNL/NM-specific value.

Total porosity of cover material = 0.4
Justification: Precis default, nonstochastic parameter consistent with SNL/NM-specific value.

Evapotranspiration Coefficient = 0
Justification: Conservative assumption in which no water is evaporated and all precipitation is assigned to infiltration.

Precipitation = 0.00568342 meters/year
LHS Settings: Lognormal-B 0.0009 0.02
Justification: Conservative assumption in which all precipitation is assigned to infiltration, Yu, 1992.

Shape Parameters (0.564 m) = 1
Justification: Precis default, nonstochastic parameter consistent with SNL/NM-specific value.

Shape Parameters (1.784 m) = 1
Justification: Precis default, nonstochastic parameter consistent with SNL/NM-specific value.

Shape Parameters (2.523 m) = 1
Justification: Precis default, nonstochastic parameter consistent with SNL/NM-specific value.

Shape Parameters (3.989 m) = 1
Justification: Precis default, nonstochastic parameter consistent with SNL/NM-specific value.

Shape Parameters (5.642 m) = 1
Justification: Precis default, nonstochastic parameter consistent with SNL/NM-specific value.

Shape Parameters (7.979 m) = 1
Justification: Precis default, nonstochastic parameter consistent with SNL/NM-specific value.

Shape Parameters (12.62 m) = 1
Justification: Precis default, nonstochastic parameter consistent with SNL/NM-specific value.

Shape Parameters (17.84 m) = 1
Justification: Precis default, nonstochastic parameter consistent with SNL/NM-specific value.

Shape Parameters (39.89 m) = 1
Justification: Precis default, nonstochastic parameter consistent with SNL/NM-specific value.

Shape Parameters (56.42 m) = 1
Justification: Precis default, nonstochastic parameter consistent with SNL/NM-specific value.

Shape Parameters (178.4 m) = 0
Justification: Precis default, nonstochastic parameter consistent with SNL/NM-specific value.

Shape Parameters (564.2 m) = 0
Justification: Precis default, nonstochastic parameter consistent with SNL/NM-specific value.

Time since placement for guidelines = 0 years

```
**********************************************************************
**                                                                  **
**                        Nuclide Summary                           **
**  (+D indicates daughters are included in dose calculation)       **
**                                                                  **
**********************************************************************

Co-60  Initial Concentration (Soil) = 0.15
 LHS Settings: Lognormal-B       0.04        0.15

Co-60  Initial Concent. (Water/Soil) = 0

Co-60  Kd in Contaminated Zone = 60
 Justification: Sheppard, 1990.

Co-60  Kd in Unsaturated Zone = 60
 Justification: Sheppard, 1990.

Co-60  Kd in Saturated Zone = 60
 Justification: Sheppard, 1990.

Cs-137+D  Initial Concentration (Soil) = 0.14
 LHS Settings: Lognormal-B       0.02        0.14

Cs-137+D  Initial Concent. (Water/Soil) = 0

Cs-137+D  Kd in Contaminated Zone = 0.2
 Justification: Sheppard, 1990.

Cs-137+D  Kd in Unsaturated Zone = 0.2
 Justification: Sheppard, 1990.

Cs-137+D  Kd in Saturated Zone = 0.2
 Justification: Sheppard, 1990.
```

****
** Ground External Gamma Effective **
** Dose Conversion Factors **
** (mrem/yr) / (pCi/cm**3) **
****

Co-60	soil density = 1.0 g/cm**3	2.2700E+01
Co-60	soil density = 1.8 g/cm**3	1.2500E+01
Cs-137+D	soil density = 1.0 g/cm**3	5.0300E+00
Cs-137+D	soil density = 1.8 g/cm**3	2.7700E+00

****
** **
** Depth Factors for External **
** Gamma Radiation from Ground **
** (dimensionless) **
****

Co-60	soil density = 1.0 g/cm**3, thickness = .15m	6.8000E-01
Co-60	soil density = 1.0 g/cm**3, thickness = 0.5m	1.0000E+00
Co-60	soil density = 1.0 g/cm**3, thickness = 1.5m	1.0000E+00
Co-60	soil density = 1.8 g/cm**3, thickness = .15m	8.6000E-01
Co-60	soil density = 1.8 g/cm**3, thickness = 0.5m	1.0000E+00
Co-60	soil density = 1.8 g/cm**3, thickness = 1.5m	1.0000E+00
Cs-137+D	soil density = 1.0 g/cm**3, thickness = .15m	7.2000E-01
Cs-137+D	soil density = 1.0 g/cm**3, thickness = 0.5m	9.8000E-01
Cs-137+D	soil density = 1.0 g/cm**3, thickness = 1.5m	1.0000E+00
Cs-137+D	soil density = 1.8 g/cm**3, thickness = .15m	9.1000E-01
Cs-137+D	soil density = 1.8 g/cm**3, thickness = 0.5m	1.0000E+00
Cs-137+D	soil density = 1.8 g/cm**3, thickness = 1.5m	1.0000E+00

****
** **
** Inhalation (dust) Effective **
** Dose Conversion Factors **
** (mrem/yr) / (pCi/cm**3) **
****

Co-60	1.5000E-04
Cs-137+D	3.2000E-05

****
** **
** Ingestion Effective Dose Conversion Factors **
** (mrem/yr) / (pCi/cm**3) **
** **
****

Co-60	2.6000E-05
Cs-137+D	5.0000E-05

References

Sandia National Laboratories/New Mexico (SNL/NM), 1991. Compliance Agreement Final Report: Hydrogeological Characterization (Chemical Waste Landfill). Environmental Impact and Restoration Division. Sandia National Laboratories/New Mexico, Albuquerque, New Mexico.

Sheppard, M. I., Thibault, D. H., 1990, Default Soil Solid/Liquid Partition Coefficients, K_d S, for Four Major Soil Types: A Compendium, Health Physics, 59, 471-482.

U.S. Department of Energy (DOE), 1988. Department of Energy Order 5820.2A, Radioactive Waste Management, U.S. Department of Energy, Office of Defense Waste and Transportation Management, Washington, D.C.

U.S. Environmental Protection Agency (EPA), 1989. Risk Assessment Guidance for Superfund, Volume I: Human Health Evaluation Manual, US , Office of Emergency and Remedial Response, Washington, D.C.

Yu. C., Loureiro, C., Cheng, J.-J., Jones, L. G., Wang, Y. Y., Chia, Y. P., Faillace, E., 1992. Data Collection Handbook for Establishing Residual Radioactive Material Guidelines with RESRAD (Draft). U.S. Department of Energy, Argonne National Laboratory, Argonne, Illinois.

Table B-2
Précis Input Parameters for Incremental Lifetime Cancer Risk (ICR) Calculations

```
**********************************************************************
**                                                                  **
**           Monte Carlo Simulation Summary Report                  **
**                                                                  **
**********************************************************************

Date of simulation: Mon June  5 09:59:16 1995

Total number of runs: 100       LHS Seed: 256

**********************************************************************
**                                                                  **
**                   Precis Summary of Inputs                       **
**                                                                  **
**********************************************************************
Site Name: ER Site 5 Chemical Carcinogens

Land Use Scenario: Industrial

Pathway Selections:
     Gamma: inactive
      Dust: active
     Radon: inactive
     Plant: inactive
      Meat: inactive
      Milk: inactive
      Soil: active
     Water: inactive
      Fish: inactive


Model Assumptions
      Water Transport: Nondispersion
```

```
**********************************************************************
**                                                                  **
**                      Parameter Summary                           **
**                                                                  **
**********************************************************************

 Area of contaminated zone = 194.7 square meters
 Justification: Calculated from Figure 2-2

 Thickness of cover zone = 9.14 meters
 Justification: Calculated from Appendix A tables

 Density of cover zone = 1.52809 grams/cm**3
 LHS Settings: Normal-B          1.3          1.7
 Justification: Yu, 1992.

 Depth of soil mixing area = 0.15 meters

 Fraction of time spent indoors = 0.5
  Justification: Precis default, nonstochastic parameter
  consistent with SNL/NM-specific value.

 Occupancy factor, dust inhalation = 0.497638
  LHS Settings: Normal-B          0.3          0.6
  Justification: Calculated assuming 10 to 50% outdoor occupancy onsite,
  25 to 50% indoor occupancy at 40% outside exposure Yu, 1992.

 Fraction of time outdoors = 0.25
  Justification: Precis default, nonstochastic parameter
  consistent with SNL/NM-specific value.

 Hydraulic gradient of saturated zone = 0.02

 Inhalation rate = 8229.78 meters**3/year
  LHS Settings: Normal-B          3600       1.1e+04
  Justification: EPA 1989

 Length parallel to aquifer flow = 19.5 meters
  Justification: Square root of contaminated area

 Dilution length for inhalation = 3.08633 meters
  LHS Settings: Lognormal-B          0.03           250
  Justification: Gilbert et al, 1989.

 Mass loading for inhalation = 0.000140722 grams/meter**3
  LHS Settings: Uniform          9e-06         0.0004
  Justification: Yu, 1992.

  Fractional water content (cover) = 0.05
  Justification: Precis default, nonstochastic parameter
  consistent with SNL/NM-specific value.

 Soil ingestion rate = 18.5 grams/year
  Justification: EPA 1989
```

Thickness of contaminated zone = 6.70291 meters
LHS Settings: Normal-B 0.3 10.6
Justification: Thickness of contamination 1 to 35 ft, Appendix A tables.

Erosion rate of cover = 1e-09 meters/year
Justification: Precis default, nonstochastic parameter consistent with SNL/NM-specific value.

Erosion rate of contaminated zone = 1e-09 meters/year
Justification: Contamination is located below surface, Appendix A tables

Time since placed = 0 years

Time step - 1 = 1 years
Time step - 2 = 5 years
Time step - 3 = 10 years
Time step - 4 = 20 years
Time step - 5 = 30 years
Time step - 6 = 100 years
Time step - 7 = 300 years
Time step - 8 = 500 years
Time step - 9 = 1000 years

Soil b-parameter of contaminated zone = 5.3
Justification: Precis default, nonstochastic parameter consistent with SNL/NM-specific value.

Soil b-parameter of saturated zone = 5.3
Justification: Precis default, nonstochastic parameter consistent with SNL/NM-specific value.

Soil b-parameter of unsaturated zone = 5.3
Justification: Precis default, nonstochastic parameter consistent with SNL/NM-specific value.

Density of contaminated zone = 1.41979 grams/cm**3
LHS Settings: Normal-B 1.3 1.7
Justification: Yu, 1992.

Density of saturated zone = 1.4 grams/cm**3
Justification: Precis default, nonstochastic parameter consistent with SNL/NM-specific value.

Density of unsaturated zone = 1.4 grams/cm**3
Justification: Precis default, nonstochastic parameter consistent with SNL/NM-specific value.

Effective porosity of contaminated zone = 0.2
Justification: Precis default, nonstochastic parameter consistent with SNL/NM-specific value.

Effective porosity of saturated zone = 0.2
Justification: Precis default, nonstochastic parameter consistent with SNL/NM-specific value.

Effective porosity of unsaturated zone = 0.2
Justification: Precis default, nonstochastic parameter consistent with SNL/NM-specific value.

Thickness of unsaturated zone = 136.898 meters
LHS Settings: Normal-B 124.7 150.9
Justification: Measurements made at the Chemical Waste Landfill SNL/NM, 1991.

Hydraulic conductivity of contaminated zone = 100 meters/year
Justification: Precis default, nonstochastic parameter consistent with SNL/NM-specific value.

Hydraulic conductivity of saturated zone = 100 meters/year
Justification: Precis default, nonstochastic parameter consistent with SNL/NM-specific value.

Hydraulic conductivity of unsaturated zone = 100 meters/year
Justification: Precis default, nonstochastic parameter consistent with SNL/NM-specific value.

Total porosity of contaminated zone = 0.4
Justification: Precis default, nonstochastic parameter consistent with SNL/NM-specific value.

Total porosity of saturated zone = 0.4
Justification: Precis default, nonstochastic parameter consistent with SNL/NM-specific value.

Total porosity of unsaturated zone = 0.4
Justification: Precis default, nonstochastic parameter consistent with SNL/NM-specific value.

Evapotranspiration Coefficient = 0
Justification: Conservative assumption in which no water is evaporated and all precipitation is assigned to infiltration.

Precipitation = 0.00417973 meters/year
LHS Settings: Lognormal-B 0.0009 0.02
Justification: Conservative assumption in which all precipitation is assigned to infiltration, Yu, 1992.

Time since placement for guidelines = 0 years

Basic Cancer Risk Limit = 1e-06
Justification: EPA 1989

Basic Chemical Intake Limit = 100 mg/kg-day

```
**********************************************************************
**                                                                  **
**                        Chemical Summary                          **
**                                                                  **
**********************************************************************
  Beryllium     Initial Concentration (Soil) = 0.001
  LHS Settings: Lognormal-B     8.8e-05     0.00129

  Beryllium     Initial Concent. (Water/Soil) = 0

  Beryllium     Kd in Contaminated Zone = 0
  Justification: Conservative Kd indicating high mobility

  Beryllium     Kd in Unsaturated Zone = 0
  Justification: Conservative Kd indicating high mobility

  Beryllium     Kd in Saturated Zone = 0
  Justification: Conservative Kd indicating high mobility

  Cadmium (diet)     Initial Concentration (Soil) = 0.00140522
  LHS Settings: Lognormal-B     1.8e-05       0.154

  Cadmium (diet)     Initial Concent. (Water/Soil) = 0

  Cadmium (diet)     Kd in Contaminated Zone = 0
  Justification: Conservative Kd indicating high mobility

  Cadmium (diet)     Kd in Unsaturated Zone = 0
  Justification: Conservative Kd indicating high mobility

  Cadmium (diet)     Kd in Saturated Zone = 0
  Justification: Conservative Kd indicating high mobility

  Chromium(VI)     Initial Concentration (Soil) = 0.02
  LHS Settings: Lognormal-B      0.0011       0.039

  Chromium(VI)     Initial Concent. (Water/Soil) = 0

  Chromium(VI)     Kd in Contaminated Zone = 0
  Justification: Conservative Kd indicating high mobility

  Chromium(VI)     Kd in Unsaturated Zone = 0
  Justification: Conservative Kd indicating high mobility

  Chromium(VI)     Kd in Saturated Zone = 0
  Justification: Conservative Kd indicating high mobility
```

```
**********************************************************************
**                                                                  **
**                    Intake Conversion Factors                     **
**                          (yr/kg-day)                             **
**********************************************************************

BERYLLIUM       soil ingestion conversion factor,          1.4000E-05
BERYLLIUM       dust inhalation conversion factors,        1.4000E-05
BERYLLIUM       ingestion inhalation conversion factors,   1.4000E-05
CADMIUM (DIET)soil ingestion conversion factor,            1.4000E-05
CADMIUM (DIET)dust inhalation conversion factors,          1.4000E-05
CADMIUM (DIET)ingestion inhalation conversion factors,     1.4000E-05
CHROMIUM(VI)    soil ingestion conversion factor,          1.4000E-05
CHROMIUM(VI)    dust inhalation conversion factors,        1.4000E-05
CHROMIUM(VI)    ingestion inhalation conversion factors,   1.4000E-05
```

```
**********************************************************************
**                                                                  **
**                      Cancer Slope Factors                        **
**                          (yr/kg-day)                             **
**********************************************************************
BERYLLIUM cancer slope factors for - dust inhalation    8.4000E+00
BERYLLIUM cancer slope factors for  - ingestion         4.3000E+00
CADMIUM (DIET) cancer slope factors - dust inhalation   6.1000E+00
CADMIUM (DIET) cancer slope factors - ingestion         0.0000E+00
CHROMIUM(VI) cancer slope factors for dust-inhalation   4.1000E+01
CHROMIUM(VI) cancer slope factors for-ingestion         0.0000E+00
```

References

Gilbert, T. L., Yu, C., Yuan, Y. C., Zielen, A. J., Jusko, M. J., Wallo III, A., 1989. A Manual for Implementing Residual Radioactive Material Guidelines. U.S. Department of Energy, Argonne National Laboratory ANL/ES-160, DOE/CH/8901, Argonne National Laboratory, Argonne, Illinois.

Sandia National Laboratories/New Mexico (SNL/NM), 1991. Compliance Agreement Final Report: Hydrogeological Characterization (Chemical Waste Landfill). Environmental Impact and Restoration Division. Sandia National Laboratories/New Mexico, Albuquerque, New Mexico.

Sheppard, M. I., Thibault, D. H., 1990, Default Soil Solid/Liquid Partition Coefficients, K_d S, for Four Major Soil Types: A Compendium, Health Physics, 59, 471-482.

U.S. Environmental Protection Agency (EPA), 1989. Risk Assessment Guidance for Superfund, Volume I: Human Health Evaluation Manual, US , Office of Emergency and Remedial Response, Washington, D.C.

Yu, C., Loureiro, C., Cheng, J.-J., Jones, L. G., Wang, Y. Y., Chia, Y. P., Faillace, E., 1992. Data Collection Handbook for Establishing Residual Radioactive Material Guidelines with RESRAD (Draft). U.S. Department of Energy, Argonne National Laboratory, Argonne, Illinois.

Table B-3
Précis Input Parameters for Hazard Index (HI) Calculations

```
**********************************************************************
**                                                                  **
**            Monte Carlo Simulation Summary Report                 **
**                                                                  **
**********************************************************************

Date of simulation: Tue June  6 15:00:32 1995

Total number of runs: 100       LHS Seed: 256

**********************************************************************
**                                                                  **
**                    Precis Summary of Inputs                      **
**                                                                  **
**********************************************************************
Site Name: ER Site 5 Chemical Hazard

Land Use Scenario: Industrial

Pathway Selections:
     Gamma: inactive
      Dust: active
     Radon: inactive
     Plant: inactive
      Meat: inactive
      Milk: inactive
      Soil: active
     Water: inactive
      Fish: inactive


Model Assumptions
   Water Transport: Nondispersion
```

```
**********************************************************************
**                                                                  **
**                      Parameter Summary                           **
**                                                                  **
**********************************************************************

 Area of contaminated zone = 194.7 square meters
 Justification: Calculated from Figure 2-2

 Thickness of cover zone = 9.14 meters
 Justification: Calculated from Appendix A tables

 Density of cover zone = 1.5262 grams/cm**3
 LHS Settings: Normal-B        1.3         1.7
 Justification: Yu, 1992.

 Depth of soil mixing area = 0.15 meters

 Fraction of time spent indoors = 0.5
  Justification:  Precis default, nonstochastic parameter
  consistent with SNL/NM-specific value.

 Occupancy factor, dust inhalation = 0.538174
  LHS Settings: Normal-B        0.3         0.6
  Justification: Calculated assuming 10 to 50% outdoor occupancy onsite,
  25 to 50% indoor occupancy at 40% outside exposure Yu, 1992.

 Fraction of time outdoors = 0.25
  Justification:  Precis default, nonstochastic parameter
  consistent with SNL/NM-specific value.

 Hydraulic gradient of saturated zone = 0.02

 Inhalation rate = 6631.8 meters**3/year
  LHS Settings: Normal-B       3600     1.1e+04
  Justification: EPA 1989

 Length parallel to aquifer flow = 19.5 meters
  Justification: Square root of contaminated area

 Dilution length for inhalation = 1.49591 meters
  LHS Settings: Lognormal-B       0.03         250
  Justification: Gilbert et al, 1989.

 Mass loading for inhalation = 2.32933e-05 grams/meter**3
  LHS Settings: Uniform      9e-06      0.0004
  Justification: Yu, 1992.

 Soil ingestion rate = 18.5 grams/year
  Justification: EPA 1989
```

Thickness of contaminated zone = 6.36883 meters
LHS Settings: Normal-B 0.3 10.6
Justification: Thickness of contamination 1 to 35 ft, Appendix A tables.

Erosion rate of cover = 1e-09 meters/year
Justification: Precis default, nonstochastic parameter consistent with SNL/NM-specific value.

Erosion rate of contaminated zone = 1e-09 meters/year
Justification: Contamination is located below surface, Appendix A tables

Time since placed = 0 years

Time step - 1 = 1 years
Time step - 2 = 5 years
Time step - 3 = 10 years
Time step - 4 = 20 years
Time step - 5 = 30 years
Time step - 6 = 100 years
Time step - 7 = 300 years
Time step - 8 = 500 years
Time step - 9 = 1000 years

Soil b-parameter of contaminated zone = 5.3
Justification: Precis default, nonstochastic parameter consistent with SNL/NM-specific value.

Soil b-parameter of saturated zone = 5.3
Justification: Precis default, nonstochastic parameter consistent with SNL/NM-specific value.

Soil b-parameter of unsaturated zone = 5.3
Justification: Precis default, nonstochastic parameter consistent with SNL/NM-specific value.

Density of contaminated zone = 1.55049 grams/cm**3
LHS Settings: Normal-B 1.3 1.7
Justification: Yu, 1992.

Density of saturated zone = 1.4 grams/cm**3
Justification: Precis default, nonstochastic parameter consistent with SNL/NM-specific value.

Density of unsaturated zone = 1.4 grams/cm**3
Justification: Precis default, nonstochastic parameter consistent with SNL/NM-specific value.

Effective porosity of contaminated zone = 0.2
Justification: Precis default, nonstochastic parameter consistent with SNL/NM-specific value.

Effective porosity of saturated zone = 0.2
Justification: Precis default, nonstochastic parameter consistent with SNL/NM-specific value.

Effective porosity of unsaturated zone = 0.2
Justification: Precis default, nonstochastic parameter consistent with SNL/NM-specific value.

Thickness of unsaturated zone = 138.386 meters
LHS Settings: Normal-B 124.7 150.9
Justification: Justification: Measurements made at the Chemical Waste Landfill, SNL/NM, 1991.

Hydraulic conductivity of contaminated zone = 100 meters/year
Justification: Precis default, nonstochastic parameter consistent with SNL/NM-specific value.

Hydraulic conductivity of saturated zone = 100 meters/year
Justification: Precis default, nonstochastic parameter consistent with SNL/NM-specific value.

Hydraulic conductivity of unsaturated zone = 100 meters/year
Justification: Precis default, nonstochastic parameter consistent with SNL/NM-specific value.

Total porosity of contaminated zone = 0.4
Justification: Precis default, nonstochastic parameter consistent with SNL/NM-specific value.

Total porosity of saturated zone = 0.4
Justification: Precis default, nonstochastic parameter consistent with SNL/NM-specific value.

Total porosity of unsaturated zone = 0.4
Justification: Precis default, nonstochastic parameter consistent with SNL/NM-specific value.

Evapotranspiration Coefficient = 0
Justification: Conservative assumption in which no water is evaporated and all precipitation is assigned to infiltration.

Precipitation = 0.00282936 meters/year
LHS Settings: Lognormal-B 0.0009 0.02
Justification: Conservative assumption in which all precipitation is assigned to infiltration, Yu, 1992.

Time since placement for guidelines = 0 years

Basic Cancer Risk Limit = 1e-06
Justification: EPA 1989

Basic Chemical Intake Limit = 100 mg/kg-day

Basic Hazard Index Limit = 1
Justification: EPA 1989

Basic Chemical Intake Limit = 100 mg/kg-day

```
**********************************************************************
**                                                                  **
**                        Chemical Summary                          **
**                                                                  **
**********************************************************************

Beryllium   Initial Concentration (Soil) = 0.0001
  LHS Settings: Lognormal-B    8.8e-05     0.0013

Beryllium   Initial Concent. (Water/Soil) = 0

Beryllium   Kd in Contaminated Zone = 0
Justification: Conservative Kd indicating high mobility

Beryllium   Kd in Unsaturated Zone = 0
Justification: Conservative Kd indicating high mobility

Beryllium   Kd in Saturated Zone = 0
Justification: Conservative Kd indicating high mobility

Cadmium (diet)  Initial Concentration (Soil) = 0.00815239
  LHS Settings: Lognormal-B    1.8e-05      0.154

Cadmium (diet)  Initial Concent. (Water/Soil) = 0

Cadmium (diet)  Kd in Contaminated Zone = 0
Justification: Conservative Kd indicating high mobility

Cadmium (diet)  Kd in Unsaturated Zone = 0
Justification: Conservative Kd indicating high mobility

Cadmium (diet)  Kd in Saturated Zone = 0
Justification: Conservative Kd indicating high mobility

Chromium(VI)    Initial Concentration (Soil) = 0.002
  LHS Settings: Lognormal-B    0.00114      0.039

Chromium(VI)    Initial Concent. (Water/Soil) = 0

Chromium(VI)    Kd in Contaminated Zone = 0
Justification: Conservative Kd indicating high mobility

Chromium(VI)    Kd in Unsaturated Zone = 0
Justification: Conservative Kd indicating high mobility

Chromium(VI)    Kd in Saturated Zone = 0
Justification: Conservative Kd indicating high mobility

Toluene  Initial Concentration (Soil) = 5.10245e-07
  LHS Settings: Lognormal-B    1.6e-07    6.7e-05

Toluene  Initial Concent. (Water/Soil) = 0

Toluene  Kd in Contaminated Zone = 0
Justification: Conservative Kd indicating high mobility

Toluene  Kd in Unsaturated Zone = 0
Justification: Conservative Kd indicating high mobility

Toluene  Kd in Saturated Zone = 0
Justification: Conservative Kd indicating high mobility
```

Zinc (Metallic) Initial Concentration (Soil) = 0.0170831
LHS Settings: Lognormal-B 0.0082 0.0542

Zinc (Metallic) Initial Concent. (Water/Soil) = 0

Zinc (Metallic) Kd in Contaminated Zone = 0
Justification: Conservative Kd indicating high mobility

Zinc (Metallic) Kd in Unsaturated Zone = 0
Justification: Conservative Kd indicating high mobility

Zinc (Metallic) Kd in Saturated Zone = 0
Justification: Conservative Kd indicating high mobility

Intake Conversion Factors (yr/kg-day)

BERYLLIUM	soil ingestion conversion factor	1.4700E-05
BERYLLIUM	dust inhalation conversion factors	1.6800E-05
BERYLLIUM	ingestion inhalation conversion factors	1.6800E-05
CADMIUM (DIET)	soil ingestion conversion factor	1.4700E-05
CADMIUM (DIET)	dust inhalation conversion factors	1.6800E-05
CADMIUM (DIET)	ingestion inhalation conversion factors	1.6800E-05
CHROMIUM(VI)	soil ingestion conversion factor	1.4700E-05
CHROMIUM(VI)	dust inhalation conversion factors	1.6800E-05
CHROMIUM(VI)	ingestion inhalation conversion factors	1.6800E-05
TOLUENE	soil ingestion conversion factor	1.4700E-05
TOLUENE	dust inhalation conversion factors	1.6800E-05
TOLUENE	ingestion inhalation conversion factors	1.6800E-05
ZINC (METAL)	soil ingestion conversion factor	1.4700E-05
ZINC (METAL)	dust inhalation conversion factors	1.6800E-05
ZINC (METAL)	ingestion inhalation conversion factors	1.6800E-05

Reference Doses (mg/kg-day)

BERYLLIUM	reference doses for dust inhalation	0.0000E+00
BERYLLIUM	reference doses for ingestion	5.0000E-03
CADMIUM (DIET)	reference doses for dust inhalation	0.0000E+00
CADMIUM (DIET)	reference doses for ingestion	1.0000E-03
CHROMIUM(VI)	reference doses for dust inhalation	0.0000E+00
CHROMIUM(VI)	reference doses for ingestion	5.0000E-03
TOLUENE	reference doses for dust inhalation	1.1400E-01
TOLUENE	reference doses for ingestion	2.0000E-01
ZINC (METAL)	reference doses for dust inhalation	0.0000E+00
ZINC (METAL)	reference doses for ingestion	3.0000E-01

References

Gilbert, T. L., Yu, C., Yuan, Y. C., Zielen, A. J., Jusko, M. J., Wallo III, A., 1989. A Manual for Implementing Residual Radioactive Material Guidelines. U.S. Department of Energy, Argonne National Laboratory ANL/ES-160, DOE/CH/8901, Argonne National Laboratory, Argonne, Illinois.

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Sheppard, M. I., Thibault, D. H., 1990, Default Soil Solid/Liquid Partition Coefficients, K_d S, for Four Major Soil Types: A Compendium, Health Physics, 59, 471-482.

U. S. Environmental Protection Agency (EPA), 1989. Risk Assessment Guidance for Superfund, Volume I: Human Health Evaluation Manual, US , Office of Emergency and Remedial Response, Washington, D.C.

Yu. C., Loureiro, C., Cheng, J.-J., Jones, L. G., Wang, Y. Y., Chia, Y. P., Faillace, E., 1992. Data Collection Handbook for Establishing Residual Radioactive Material Guidelines with RESRAD (Draft). U.S. Department of Energy, Argonne National Laboratory, Argonne, Illinois.

APPENDIX C

TOXICITY PROFILES FOR CONSTITUENTS OF CONCERN

Classification of Human Carcinogens

A classification system for carcinogens describes uncertainties in available epidemiological and toxicological data. This "weight of evidence" classification is based on the thoroughness and appropriateness of available data. The classification system is as follows (EPA 1994):

Classification Group	Description
A	Human Carcinogen
B1	Probable human carcinogen; limited human data available
B2	Probable human carcinogen; based on animal data only
C	Possible human carcinogen
D	Not classifiable as to human carcinogenicity
E	Evidence of noncarcinogenicity to humans.

All radionuclides are considered to be carcinogens (Group A). The carcinogenicity of radionuclides is assumed to exceed their systemic toxicity (EPA 1994).

RADIONUCLIDE CONTAMINANTS

Cesium-137

Although this fission product is a pure beta emitter, its short lived daughter barium-137m, is a high energy, high intensity gamma emitter. This daughter makes cesium-137 an important external exposure hazard. Cesium-137 has a physical half-life of 30.2 years. Cesium that is inhaled or ingested is readily and almost completely absorbed into blood and distributed uniformly in the body. Approximately 10 percent of absorbed cesium is cleared from the body with a half-time of approximately 2 days and the remaining 90 percent is cleared with a half-time of approximately 110 days (ICRP 1979).

Cobalt-60

Cobalt-60 emits high energy gamma radiation. Therefore, the radionuclide is an important external exposure hazard. Cobalt-60 has a physical half-life of 5.27 years. Inhaled insoluble cobalt compounds are retained in the lung for long periods of time. Soluble cobalt compounds that are ingested are only poorly absorbed into the body. For the purposes of evaluating radiation dose, it is assumed that approximately 80 percent of the absorbed cobalt is located in the liver and the remaining 20 percent is uniformly distributed throughout the rest of the body. This cobalt located in tissues other than the lung is assumed to be removed from the body with half-times of 6 to 800 days (ICRP 1979).

CHEMICAL CONTAMINANTS

Beryllium, CASRN 7440-41-7

Beryllium is a metal for which the dietary uptake information is sketchy, leading to an uncertain daily uptake of about 0.01 mg/day. However, the daily uptake may vary up to two orders of magnitude (ICRP 1975). Gastric absorption of beryllium and its compounds is very low, and beryllium is not well-incorporated after inhalation. Soluble compounds, however, are better absorbed in the lung. Inhalation of large doses of beryllium lead to acute but mostly reversible inflammation of the lung tissue. Low-level exposures can lead to chronic beryllium disease, an irreversible fibrotic condition often resulting in premature death (Doull et al. 1991).

Beryllium and some of its compounds are suspected of carcinogenic action in the human lung. The epidemiological data are rated inadequate, primarily because of problems with the exposure assessment. In laboratory animals, however, there is a very strong dose-effect correlation yielding a B2 carcinogen classification.

Cadmium, CASRN 7440-43-9

Cadmium is a metal that has toxic effects similar to those of lead and its compounds. It is present in most foods and tissues, leading to an average daily intake of about 0.2 mg (ICRP 1975). Intake of cadmium and its compounds can occur by inhalation or ingestion. The kidney is the most sensitive organ and is damaged by excessive loss of both low and high molecular mass proteins (proteinuria). A number of effects in other organs, such as the lung, have also been reported. In the lung, tissue loss occurs at high exposures and chronic tissue inflammation occurs at lower levels, leading to emphysematous and fibrotic changes (Doull et al. 1991).

There is sufficient evidence of carcinogenicity in humans to classify cadmium as a Class B1 inhalation carcinogen. Although excess lung cancer risks were observed in epidemiological studies, confounding factors, such as smoking, were not sufficiently accounted for to support classification as a Class A carcinogen. There is no evidence for carcinogenicity associated with chronic cadmium ingestion.

Chromium (VI), CASRN 18540-29-9

Although chromium exists in several valence states, only the trivalent and hexavalent states are biologically significant. Chromium(III) compounds are less toxic than chromium(VI) forms. Chromium(VI) is a Class A carcinogen (EPA 1994). Epidemiologic studies indicate that inhalation exposure to chromate results in bronchogenic carcinoma. The relative risk to chromate plant workers in the development of respiratory cancer is greater than in the general population (Doull et al. 1991).

Toluene, CASRN 108-88-3

Toluene is used as an industrial solvent and as an additive to unleaded gasoline. Toluene is a colorless liquid with a vapor pressure of 36.7 mm Hg at 30° C (Browning 1965) and represents a potential inhalation hazard.

Toluene has been reported to produce reversible effects upon liver, renal, and nervous systems, with the nervous system being the most sensitive organ. High level toluene exposures produced incoordination, ataxia, unconsciousness and eventually, death. Lower level acute exposures in man produce dizziness, exhilaration and confusion. Very few studies of the nervous system have been performed at levels below 1000 ppm and most of the results were inconclusive (Benignus 1981a and 1981b). Findings of enlargement of liver have been reported in painters exposed to toluene at concentrations ranging from 100-1100 ppm. Macrocytosis, moderate decrease in erythrocyte count and absolute lymphocytosis were also reported; but no leukopenia was reported (ACGIH 1986).

Peripheral blood lymphocytes from 32 male rotogravure workers showed no significant difference from controls in frequency of chromosome aberrations and sister chromatic exchanges (Maki-Paakkanen 1980).

Toluene is not classifiable as to human carcinogenicity (Class D) (EPA 1994).

Zinc, CASRN 7440-66-6

Zinc is an essential trace nutrient in the human diet and occurs widely in foodstuffs, particularly in meats, seafood, dairy products, and vegetables. The daily intake of zinc through the diet is 6 to 40 mg (ICRP 1975). Some zinc compounds are of low toxicity; but acute exposures can cause dermatitis upon skin contact and intestinal disorders upon ingestion. "Metal fume fever" has been observed upon high-level inhalation exposures, however, no chronic effects of zinc inhalation have been reported. Although some zinc compounds are suspected to be carcinogenic, no slope factors are available. Elemental zinc in itself is not a human carcinogen (Class D) (EPA 1994).

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APPENDIX D

ANNUAL RADIATION DOSES FROM RADIONUCLIDES AND DAILY INTAKES OF HAZARDOUS CHEMICALS FOR EXPOSURE PATHWAYS ASSUMED IN THE INDUSTRIAL LAND-USE SCENARIO

Table D-1
Estimated Radiation Dose from Potential Exposure to Radionuclides for the Industrial Land-Use Scenario at ER Site 5 (Example of one of the 100 *Précis* simulations described in Section 5.0)

Residual Radioactivity Program, Version 4.20 10-APR-9 09:48 Page 1
Summary : ER Site 5 Radionuclides File: SAMPRAD.DAT

Contaminated Zone Dimensions		Initial Soil Concentrations, pCi/g	
Area:	194.70 square meters	Co-60	6.608E-02
Thickness:	6.98 meters	Cs-137	4.471E-02
Cover Depth:	9.14 meters		

t = 0 Summary

Total Dose Contributions TDOSE(i,p,t) for Individual Radionuclides (i) and Pathways (p)
As mrem/yr and Fraction of Total Dose At t = 0.000E+00 years

	Water Independent Pathways													
	Ground		Dust		Radon		Plant		Meat		Milk		Soil	
Radio-Nuclide	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.
Co-60	0.000E+00	0.000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000
Cs-137	0.000E+00	0.000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000
Total	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000

Total Dose TDOSE(t), mrem/yr
Basic Radiation Dose Limit = 25 mrem/yr
Total Mixture Sum M(t) = Fraction of Basic Dose Limit Received at Time (t)

t (years):	0.000E+00	1.000E+00	3.000E+00	5.000E+00	1.000E+01	3.000E+01	1.000E+02	3.000E+02	5.000E+02	1.000E+03
TDOSE(t):	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
M(t):	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00

Maximum TDOSE(t): 0.000E+00 mrem/yr at t = 1.000E+03 years

Table D-2
Estimated Daily Intake of Hazardous and Carcinogenic Chemicals from Potential Exposure for the Industrial Land-Use Scenario at ER Site 5
(Example of one of the 100 *Précis* simulations described in Section 5.0)

Contaminated Zone Dimensions

Area:	194.70 square meters
Thickness:	6.26 meters
Cover Depth:	9.14 meters

Initial Soil Concentrations, mg/g

BERYLLIUM	7.076E-04
CADMIUM (DIET)	9.619E-05
CHROMIUM(VI)	3.057E-03
TOLUENE	1.255E-06
ZINC (METALLIC)	1.680E-02

t = 0 Summary

Total Intake Contributions INTAKE(i,p,t) for Individual Chemicals (i) and Pathways (p)
As mg/kg-day and Fraction of Total Intake At t = 0.000E+00 years
Water Independent Pathways

	Direct		Dust		Vapor		Plant		Meat	
Chemical	mg/kg-d	fract.	mg/kg-d	fract.	mg/kg-d	fract.	mg/kg-d	fract.	mg/kg-d	fract.
BERYLLIUM	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000
CADMIUM (DIET)	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000
CHROMIUM(VI)	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000
TOLUENE	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000
ZINC (METALLIC)	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000
Total	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000

Total Intake TINTAKE(t), mg/kg-day
Basic Chemical Intake Limit = 100 mg/kg-day
Total Mixture Sum M(t) = Fraction of Basic Intake Limit Received at Time (t)

t (years):	0.000E+00	1.000E+00	5.000E+00	1.000E+01	2.000E+01	3.000E+01	1.000E+02	3.000E+02	5.000E+02	1.000E+03
INTAKE(t):	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
M(t):	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00

Maximum INTAKE(t): 0.000E+00 mg/kg-day at t = 1.000E+03 years

Appendix A
General Field Procedures

APPENDIX A
GENERAL FIELD PROCEDURES

A.1 Radioactive Screening

All field operations conducted at the Liquid Waste Disposal System (LWDS) were supported full-time by qualified health-physics technicians from Department 7714, Radiation Protection. Field screening for radioactive contamination was continuous and included:

- Collecting swipe samples for loose surface contamination,
- Screening with hand-held radiacs for general radiation levels and total surface contamination, and
- Monitoring for airborne radioactive contamination with both general-area and personal air-sampling devices.

All radioactive screening was conducted in accordance with Department 7714-approved procedures.

A.2 Subsurface Soil Sampling

The first sixteen soil borings were drilled with a Barber 70E drill rig modified to use a rotasonic method. Sonic drilling consists of a truck-mounted drill rig with a sonic head that transmits a 10,000-cycle per minute vibration to the core bit through the quill, drill string, and core barrel. Vibrations are generated by two synchronized eccentrics that rotate in opposite directions. Forces cancel each other in the horizontal movements and reinforce each other in the vertical. A diamond button core-bit was attached to the bottom of the core barrel. The drill string was rotated while coring to expose the core-bit's buttons to the full annular area. Four-inch core was collected with a 10-ft steel sample barrel; material under the core-bit was pulverized by the vibrations and moved sideways in the borehole.

The benefit of the rotasonic method is that it does not generate soil cuttings. The drill cuttings are displaced outward in the borehole, not returned to the surface, thus reducing the potential for waste generation. After the potential to generate mixed

waste was better understood, the final two borings were completed using a Failing F-10 auger rig.

Continuous core samples were collected with a 4-in. hollow-stem auger or sonic core barrel. After retrieval, the core samples were immediately sampled for volatile organic contaminants (VOCs) coincident with screening for volatile organics using an organic vapor analyzer (OVA) flame ionization detector (FID), and screened for radioactivity using both the pancake Geiger Müeller (GM) detector and a sodium-iodide (NaI) detector.

All cores were photographed and the lithology was described. The core was geologically logged by the U.S. Geological Survey (USGS). The visual characterization included composition of the framework, matrix, bedding, texture, soil moisture, and color, as outlined in Field Operating Procedure (FOP) 94-05 (SNL, 1994a).

Samples for radioactive and chemical analyses were collected from the core at discrete intervals using a stainless-steel trowel that was decontaminated between samples. The samples were placed directly into appropriate sample containers. The core barrels and sampling equipment were decontaminated between each retrieved sample core.

Drill cuttings were placed in appropriate containers dependent upon the expected waste characterization. The boreholes were backfilled to the surface with a mixture of bentonite cement and grout upon completion of the sampling. The grout mixture was added to the bottom of the boring with a tremie pipe as the augers were slowly retracted. To eliminate the potential for hole collapse and ensure the placement of a continuous grout plug, the tremie pipe was maintained below the grout surface.

A.3 Monitoring Well Installation

Monitoring well installation procedures are identical to those described for subsurface soil sampling, with the exception that a Dresser rig was used in place of the original Barber rig. The retrieved core samples were also screened for saturation and grain size to identify any perched zone and subsequent confining layer. If a possible perched zone was identified, drilling stopped and the auger and overshot casing were retracted approximately 2 ft. Operations were held for at least 60 min (usually overnight) to allow

ground water to recharge into the open borehole. Water levels were recorded during the waiting period. Although several possible perched zones were identified, no actual perch zones were encountered. All ground-water monitoring wells were completed at the water table.

Monitoring well LWDS-MW2 was screened with Type 304 stainless-steel as required in the LWDS RCRA Facility Investigation (RFI) work plan (SNL, 1994b). Monitoring well LWDS-MW1 was completed several months after LWDS-MW2. During this time, there was considerable controversy regarding the possible presence of chromium at the Chemical Waste Landfill (CWL). Steel-constructed screens were identified as a possible contributor to the chromium contamination. LWDS-MW1 was completed entirely with Schedule 80 polyvinyl chloride (PVC) pipe to avoid this issue. Each monitoring well was constructed with a 5-ft sump. The sand filter pack was designed based on a sieve grain-size analysis of the aquifer soil. Figures A-1 and A-2 show cross-sectional views of the monitoring wells' construction.

In each well, the remaining riser to the surface was constructed of PVC pipe. All joints were flush threaded and a rubber gasket was placed at each coupling to prevent grout seepage into the well. No adhesives, glues, grease, or their agents were used to secure the couplings. A 10-ft bentonite seal was installed over the filter pack. The bentonite seal was pumped through the tremie pipe using a mixture of a high-viscosity slurry and finely ground bentonite flakes. A select mixture of uniform volclay grout was pumped from the bentonite seal to the ground level to minimize the potential contamination problems during well development. The initial grout mixture was installed in a 20-ft lift using a tremie pipe and allowed to harden for at least 12 hr. The remaining grout was then pumped to the surface. The drill casing was retracted in conjunction with installation of the annular materials to eliminate the potential for borehole collapse.

A 3-ft by 3-ft, 4-in.-thick sloped concrete pad was constructed around each monitoring well. Three 2-in., concrete-filled steel posts are equally spaced around LWDS-MW2. LWDS-MW1, which is in the TA-V parking lot, is sloped to the surrounding pavement.

All development activities were performed in accordance with applicable Environmental Restoration (ER) Project procedures. To reduce the large quantities of water introduced by jetting, swabbing and bailing methods were used for development. Well purging was

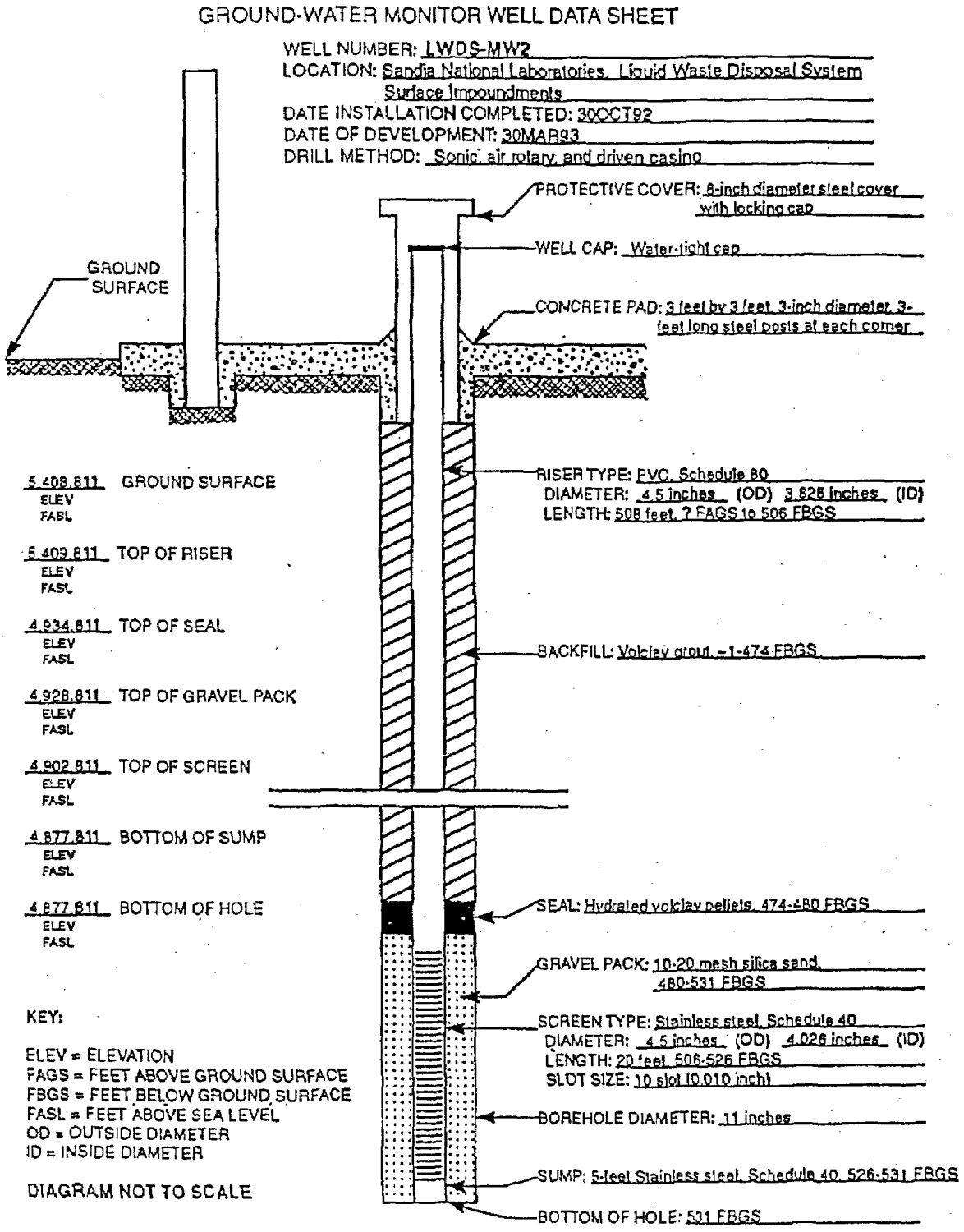

Figure A-1. Cross-Sectional View of Liquid Waste Disposal System Monitoring Well 2 (LWDS-MW2)

GROUND-WATER MONITOR WELL DATA SHEET

WELL NUMBER: LWDS-MW1
LOCATION: Sandia National Laboratories, Liquid Waste Disposal System, Drain Fields
DATE INSTALLATION COMPLETED: 03MAY93
DATE OF DEVELOPMENT: 14JUL93
DRILL METHOD: Sonic, air rotary, and driven casing

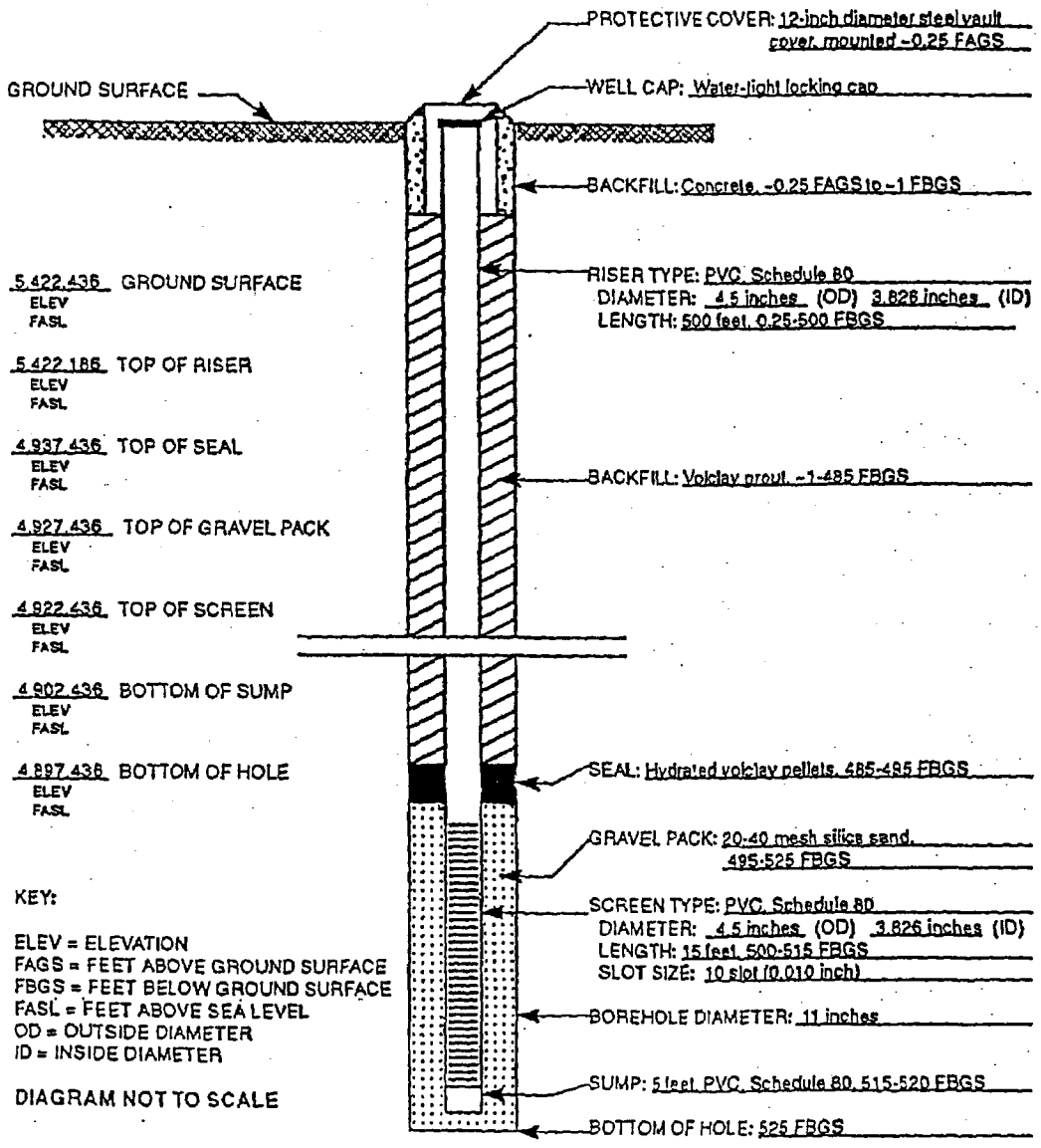

Figure A-2. Cross-Sectional View of Liquid Waste Disposal System Monitoring Well 1 (LWDS-MW1)

accomplished with a submersible pump. The criteria for the completion of well development were based on consistent measurements of pH, conductivity, temperature, and turbidity. Ground-water sampling was performed in accordance with procedures set forth in the *LWDS Ground-Water Sampling and Analysis Plan* (IT, 1994).

Each monitoring well was surveyed for piezometric surface, total depth, and surface elevation. Horizontal and vertical (longitudinal and latitudinal, and elevation) coordinates were surveyed by a certified contractor survey crew with a field team manager overseeing the work. The survey elevations are included in the well construction diagrams (*Figures* A-1 and A-2).

A.4 Equipment Decontamination

Equipment decontamination was conducted in accordance with FOP 94-26 (SNL, 1994c). All equipment was thoroughly decontaminated between drilling operations and sampling events, and monitored for radioactive contamination. Personnel decontaminated the drilling equipment prior to each use, after drilling each monitoring well, and after completing all drilling activities. The drilling equipment was cleaned with a high-pressure steam cleaner and rinsed with clean water. All reusable sampling utensils were cleaned with trisodium phosphate (TSP) detergent and water, followed by repeated rinsing with distilled water.

A.5 Geological Data Collection

Geologic data were described and recorded following guidelines described in FOP 94-05 (SNL, 1994a). The guidelines describe unconsolidated sediments retrieved as cores and cuttings and include:

- Name of unconsolidated sediment (sand, pebbles, cobbles, etc.).
- Texture as indicated by grain-size distribution (American Geological Institute, 1989, Data Sheet 19.1), particle shape (Compton, 1962), sorting (Compton, 1962), grading, packing (American Geological Institute, 1989, Data Sheets 23.1 and 23.2), and fabric.
- Composition (mineralogy) of larger-grained sediments.
- Color using the rock-color chart (Goddard and others, 1984, 1991).
- Sedimentary structures.

- Degree of consolidation and cementation, presence of caliche or calcium carbonate, reaction with 10 percent hydrochloric acid (HCl).
- Moisture content.
- Description of basal contact.

These lithologic descriptors were limited to those readily visible to the eye or with the use of a 10X hand lens.

In addition to lithologic descriptions, other field observations were made. These observations are reported as written communication, U.S. Geological Survey, Liquid Waste Disposal System Well Installation, Field Notes (1993), and may be accessed through SNL, Environmental Operations Records Center, Albuquerque, New Mexico.

A suite of geophysical logging techniques provided an approximate representation of the borehole lithology, the location of the water table, and other unsaturated zone characteristics. These techniques included gamma-gamma log, neutron log, and induction log.

The gamma-gamma instrument consisted of a 20-Ci americium-241 gamma source with a single detector. With this technique, measured readings in counts per second (cps) are converted by calibration to apparent density values in grams per cubic centimeter (gm/cc). Calibration was conducted before and after logging using blocks of acrylic (1.4 gm/cc) and aluminum (2.65 gm/cc). The gamma-gamma log provided information relative to formation densities within the vicinity of the borehole wall.

Data from the neutron log were used to identify relative porosity values of the formation. A decrease in American Petroleum Institute (API) units represents an increase in relative formation porosity. The neutron tool consists of a 3-Ci americium-241/beryllium (Am-241 Be) neutron source and an epithermal neutron detector. The noncompensating (single-detection) 1-11/16-in. tool used is an omnidirectional instrument that also records data in counts per second. The recorded cps units are converted to API units by normalizing to known and established values.

The induction log measurements were used to assist in identifying lithologic features and water content contrasts.

A.4 References

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Appendix B
Analytical Program

APPENDIX B
ANALYTICAL PROGRAM

The analytical program was devised to evaluate all constituents that were thought to be prevalent in the liquid waste from Technical Area V (TA-V) and some additional compounds possibly discharged when the U.S. Air Force (USAF) used the site. Table B-1 lists the common groupings of the Liquid Waste Disposal System (LWDS) constituents of concern (COCs) and associated analytical methods. Sections B.1 through B.3 further describe the test methods used for the analysis of soil and ground-water samples collected at the site.

Table B-1
Constituents of Concern at the LWDS

Constituent	Analytical Method
Radionuclides	Gamma spectroscopy (for gamma emitters) and EPA Test Method H-01 (for tritium)
Volatile Organic Contaminants (VOCs)	EPA Test Method 8240
Semi-Volatile Organic Contaminants (SVOCs)	EPA Test Method 8270
Metals	Target analyte list (TAL) metals (EPA Test Methods 6010, 7061, 7421, 7470, 7741 and 7841)
Polychlorinated Biphenyls (PCBs)	EPA Test Method 8080

B. 1 Organics

All soil and ground-water samples collected during the LWDS investigation were analyzed for volatile organic contaminants (VOCs) via U.S. Environmental Protection Agency (EPA) Test Method 8240 and for SVOCs via EPA Test Method 8270. As a result of the historical review of impoundment activities, selected samples were also analyzed for polychlorinated biphenyls (PCBs) via EPA Test Method 8080.

Ground-water samples from well LWDS-MW1 were initially analyzed for VOCs via EPA Test Method 8240, which includes both gas chromatography and mass spectrometry analyses. This test method typically has a quantitation limit of 5 micrograms per liter

(µg/L) or parts per billion (ppb), and historically has been preferred because the presence of organic constituents is verified by a second analytical instrument. Following the identification of trichloroethene (TCE) in well LWDS-MW1 in early 1994, SNL/NM switched to EPA Test Method 8010 for VOCs, which utilizes gas chromatography alone. The detection limit for this analytical method is 0.5 ppb. Verification of sample constituents is achieved by performing a second analysis.

B.2 Metals

Soil and ground-water samples were analyzed for the target analyte list (TAL) metals identified in 40 CFR Part 264 and chromium-VI in some cases. Table B-2 presents a complete list of the metals analyzed and their detection limits.

B.3 Radionuclides

Soil samples were evaluated for the presence of gamma-emitting radionuclides through the use of a one-hour count gamma spectroscopy and for the presence of tritium by EPA Test Method H-01.

Table B-2
Metals Analyses at the LWDS

Metal	EPA Test Method	Detection Limit (mg/kg)
Aluminum	6010	0.20
Antimony	6010	0.60
Arsenic	7061	0.002
Barium	6010	0.02
Beryllium	6010	0.005
Cadmium	6010	0.005
Calcium	6010	0.2
Chromium	6010	0.02
Chromium-VI	7196	0.1
Cobalt	6010	0.02
Copper	6010	0.02
Iron	6010	0.02
Lead	7421	0.003
Magnesium	6010	0.20
Manganese	6010	0.005
Mercury	7470	0.0002
Nickel	6010	0.02
Potassium	6010	0.20
Selenium	7741	0.002
Silver	6010	0.01
Sodium	6010	0.20
Thallium	7841	0.10
Vanadium	6010	0.02
Zinc	6010	0.02
Note: mg/kg = milligrams per kilogram.		

B.4 References

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Resource Conservation and Recovery Act (RCRA), 40 CFR 264.

Table B-4. Risk Assessment Values for LWDS Soil COCs, Overall Maximum Concentrations.

COC Name	Maximum Concentration (mg/kg)	Industrial Land-Use Scenario	
		Hazard Index	Cancer Risk
Barium	849	0.01	--[a]
Beryllium	4.9	0.00	7E-6
Cadmium	154	0.30	5E-8
Chromium, total[b]	97.7	0.03	--
Chromium-VI[c]	42.4	0.01	9E-8
Copper	239	0.01	--
Lead[d]	72.5	--	--
Nickel	173	0.01	--
Silver	90.5	0.02	--
Zinc	198	0.00	--
PCBs	0.071	0.00	2E-7
TOTAL		0.4	7E-6

[a] -- indicates information is not available.
[b]Chromium, total is assumed to be chromium-III.
[c]Chromium-VI value is from chromium, total value for ER Site 5 (chromium-VI was not analyzed for at ER Site 5).
[d]EPA guidance for the screening value for lead for an industrial land-use scenario is 2,000 mg/kg (EPA 1996); for a residential land-use scenario, the EPA screening guidance value is 400 mg/kg (EPA 1994). The maximum concentration values for lead at these sites are less than both of those screening values, and therefore lead is eliminated from further consideration.

Appendix C

Appendix C Site 5 - LWDS Drainfield Soil Sample Analytical Results

ample Name	Depth	Sample Date	Analyte	QC flag	Amount Detected	Units	Detection limit
LWDS-05-BH11	25	20-MAR-94	ACETONE	B	14	ug/kg	10
LWDS-05-BH11	25	20-MAR-94	ACTINIUM-228		0.44	pCi/g	0.42
LWDS-05-BH11	25	20-MAR-94	ALUMINUM		9560	mg/kg	10
LWDS-05-BH11	25	20-MAR-94	ARSENIC		4	mg/kg	0.5
LWDS-05-BH11	25	20-MAR-94	BARIUM		94.8	mg/kg	1
LWDS-05-BH11	25	20-MAR-94	BERYLLIUM		0.61	mg/kg	0.2
LWDS-05-BH11	25	20-MAR-94	BISMUTH-212		1.3	pCi/g	1.2
LWDS-05-BH11	25	20-MAR-94	CALCIUM	B	23600	mg/kg	20
LWDS-05-BH11	25	20-MAR-94	CHROMIUM		10.5	mg/kg	1
LWDS-05-BH11	25	20-MAR-94	COBALT		5	mg/kg	1
LWDS-05-BH11	25	20-MAR-94	COPPER		11.1	mg/kg	2
LWDS-05-BH11	25	20-MAR-94	METHYLENE-CHLORIDE	B	3.5	ug/kg	5
LWDS-05-BH11	25	20-MAR-94	IRON		12200	mg/kg	10
LWDS-05-BH11	25	20-MAR-94	LEAD	B	5.7	mg/kg	0.5
LWDS-05-BH11	25	20-MAR-94	LEAD-212		0.77	pCi/g	0.11
LWDS-05-BH11	25	20-MAR-94	LEAD-214		0.81	pCi/g	0.2
LWDS-05-BH11	25	20-MAR-94	MAGNESIUM		4550	mg/kg	20
LWDS-05-BH11	25	20-MAR-94	MANGANESE		244	mg/kg	1
LWDS-05-BH11	25	20-MAR-94	NICKEL		9	mg/kg	4
LWDS-05-BH11	25	20-MAR-94	POTASSIUM		1620	mg/kg	500
LWDS-05-BH11	25	20-MAR-94	POTASSIUM-40		13	pCi/g	0.97
LWDS-05-BH11	25	20-MAR-94	RADIUM-226		0.71	pCi/g	0.21
DS-05-BH11	25	20-MAR-94	RADIUM-228		0.44	pCi/g	0.42
WDS-05-BH11	25	20-MAR-94	THALLIUM-208		0.82	pCi/g	0.31
WDS-05-BH11	25	20-MAR-94	THORIUM-228		0.89	pCi/g	0.34
LWDS-05-BH11	25	20-MAR-94	THORIUM-232		0.44	pCi/g	0.42
LWDS-05-BH11	25	20-MAR-94	VANADIUM		22	mg/kg	1
LWDS-05-BH11	25	20-MAR-94	ZINC	B	31.8	mg/kg	2
LWDS-05-BH11	30	20-MAR-94	2-BUTANONE		2.2	ug/kg	10
LWDS-05-BH11	30	20-MAR-94	ACETONE	B	20	ug/kg	10
LWDS-05-BH11	30	20-MAR-94	ACTINIUM-228		0.44	pCi/g	0.28
LWDS-05-BH11	30	20-MAR-94	ALUMINUM		4050	mg/kg	10
LWDS-05-BH11	30	20-MAR-94	ARSENIC		1.8	mg/kg	0.5
LWDS-05-BH11	30	20-MAR-94	BARIUM		50.3	mg/kg	1
LWDS-05-BH11	30	20-MAR-94	BERYLLIUM		0.35	mg/kg	0.2
LWDS-05-BH11	30	20-MAR-94	BIS(2-ETHYLHEXYL)PHTHALATE	H2	49	ug/kg	330
LWDS-05-BH11	30	20-MAR-94	BISMUTH-212		1	pCi/g	0.97
LWDS-05-BH11	30	20-MAR-94	CALCIUM	B	89500	mg/kg	20
LWDS-05-BH11	30	20-MAR-94	CHROMIUM		4.9	mg/kg	1
LWDS-05-BH11	30	20-MAR-94	COBALT		3	mg/kg	1
LWDS-05-BH11	30	20-MAR-94	COPPER		4.7	mg/kg	2
LWDS-05-BH11	30	20-MAR-94	METHYLENE-CHLORIDE	B	2.3	ug/kg	5
LWDS-05-BH11	30	20-MAR-94	IRON		6690	mg/kg	10
LWDS-05-BH11	30	20-MAR-94	LEAD	B	3.6	mg/kg	0.5
LWDS-05-BH11	30	20-MAR-94	LEAD-212		0.66	pCi/g	0.1
LWDS-05-BH11	30	20-MAR-94	LEAD-214		0.68	pCi/g	0.15
LWDS-05-BH11	30	20-MAR-94	MAGNESIUM		2520	mg/kg	20
DS-05-BH11	30	20-MAR-94	MANGANESE		165	mg/kg	1
WDS-05-BH11	30	20-MAR-94	NICKEL		4.9	mg/kg	4

Sample Name	Depth	Sample Date	Analyte	QC flag	Amount Detected	Units	Detection l
LWDS-05-BH11	30	20-MAR-94	POTASSIUM		620	mg/kg	500
LWDS-05-BH11	30	20-MAR-94	POTASSIUM-40		16	pCi/g	0.7
LWDS-05-BH11	30	20-MAR-94	RADIUM-226		0.63	pCi/g	0.11
LWDS-05-BH11	30	20-MAR-94	RADIUM-228		0.44	pCi/g	0.28
LWDS-05-BH11	30	20-MAR-94	THALLIUM-208		0.52	pCi/g	0.23
LWDS-05-BH11	30	20-MAR-94	THORIUM-228		0.57	pCi/g	0.24
LWDS-05-BH11	30	20-MAR-94	THORIUM-232		0.44	pCi/g	0.28
LWDS-05-BH11	30	20-MAR-94	TOLUENE	B	3.4	ug/kg	5
LWDS-05-BH11	30	20-MAR-94	VANADIUM		13.2	mg/kg	1
LWDS-05-BH11	30	20-MAR-94	ZINC	B	18.4	mg/kg	2
LWDS-05-BH11	32.5	20-MAR-94	ACETONE	B	12	ug/kg	10
LWDS-05-BH11	32.5	20-MAR-94	METHYLENE-CHLORIDE	B	3	ug/kg	5
LWDS-05-BH11	35	20-MAR-94	ACTINIUM-228		0.62	pCi/g	0.47
LWDS-05-BH11	35	20-MAR-94	ALUMINUM		7840	mg/kg	10
LWDS-05-BH11	35	20-MAR-94	ARSENIC		1.7	mg/kg	0.5
LWDS-05-BH11	35	20-MAR-94	BARIUM		98	mg/kg	1
LWDS-05-BH11	35	20-MAR-94	BERYLLIUM		0.52	mg/kg	0.2
LWDS-05-BH11	35	20-MAR-94	BIS(2-ETHYLHEXYL)PHTHALATE	H2	57	ug/kg	330
LWDS-05-BH11	35	20-MAR-94	CALCIUM	B	77100	mg/kg	20
LWDS-05-BH11	35	20-MAR-94	CHROMIUM		7.1	mg/kg	1
LWDS-05-BH11	35	20-MAR-94	COBALT		3.9	mg/kg	1
LWDS-05-BH11	35	20-MAR-94	COPPER		6.7	mg/kg	2
LWDS-05-BH11	35	20-MAR-94	METHYLENE-CHLORIDE	B	3.9	ug/kg	5
LWDS-05-BH11	35	20-MAR-94	IRON		9380	mg/kg	10
LWDS-05-BH11	35	20-MAR-94	LEAD	B	5.1	mg/kg	0.5
LWDS-05-BH11	35	20-MAR-94	LEAD-212		0.63	pCi/g	0.1
LWDS-05-BH11	35	20-MAR-94	LEAD-214		0.64	pCi/g	0.18
LWDS-05-BH11	35	20-MAR-94	MAGNESIUM		3650	mg/kg	20
LWDS-05-BH11	35	20-MAR-94	MANGANESE		160	mg/kg	1
LWDS-05-BH11	35	20-MAR-94	NICKEL		7.8	mg/kg	4
LWDS-05-BH11	35	20-MAR-94	POTASSIUM		1250	mg/kg	500
LWDS-05-BH11	35	20-MAR-94	POTASSIUM-40		11	pCi/g	1.1
LWDS-05-BH11	35	20-MAR-94	RADIUM-226		0.56	pCi/g	0.19
LWDS-05-BH11	35	20-MAR-94	RADIUM-228		0.62	pCi/g	0.47
LWDS-05-BH11	35	20-MAR-94	THALLIUM-208		0.73	pCi/g	0.28
LWDS-05-BH11	35	20-MAR-94	THORIUM-228		0.79	pCi/g	0.3
LWDS-05-BH11	35	20-MAR-94	THORIUM-232		0.62	pCi/g	0.47
LWDS-05-BH11	35	20-MAR-94	VANADIUM		17.2	mg/kg	1
LWDS-05-BH11	35	20-MAR-94	ZINC	B	23.9	mg/kg	2
LWDS-05-BH11	37.5	20-MAR-94	ACETONE	B	6	ug/kg	10
LWDS-05-BH11	37.5	20-MAR-94	ACTINIUM-228		0.51	pCi/g	0.28
LWDS-05-BH11	37.5	20-MAR-94	ALUMINUM		2790	mg/kg	10
LWDS-05-BH11	37.5	20-MAR-94	ARSENIC		1.8	mg/kg	0.5
LWDS-05-BH11	37.5	20-MAR-94	BARIUM		17.2	mg/kg	1
LWDS-05-BH11	37.5	20-MAR-94	BERYLLIUM		0.5	mg/kg	0.2
LWDS-05-BH11	37.5	20-MAR-94	BISMUTH-214		0.53	pCi/g	0.13
LWDS-05-BH11	37.5	20-MAR-94	CALCIUM	B	7680	mg/kg	20
LWDS-05-BH11	37.5	20-MAR-94	CHROMIUM		2.2	mg/kg	1
LWDS-05-BH11	37.5	20-MAR-94	COBALT		3.4	mg/kg	1
LWDS-05-BH11	37.5	20-MAR-94	COPPER		8.4	mg/kg	2

..nple Name	Depth	Sample Date	Analyte	QC flag	Amount Detected	Units	Detection limit
.WDS-05-BH11	37.5	20-MAR-94	METHYLENE-CHLORIDE	B	1.6	ug/kg	5
LWDS-05-BH11	37.5	20-MAR-94	IRON		5740	mg/kg	10
LWDS-05-BH11	37.5	20-MAR-94	LEAD	B	2.9	mg/kg	0.5
LWDS-05-BH11	37.5	20-MAR-94	LEAD-212		0.56	pCi/g	0.082
LWDS-05-BH11	37.5	20-MAR-94	LEAD-214		0.57	pCi/g	0.15
LWDS-05-BH11	37.5	20-MAR-94	MAGNESIUM		1910	mg/kg	20
LWDS-05-BH11	37.5	20-MAR-94	MANGANESE		157	mg/kg	1
LWDS-05-BH11	37.5	20-MAR-94	NICKEL		5.8	mg/kg	4
LWDS-05-BH11	37.5	20-MAR-94	POTASSIUM		1190	mg/kg	500
LWDS-05-BH11	37.5	20-MAR-94	POTASSIUM-40		15	pCi/g	0.33
LWDS-05-BH11	37.5	20-MAR-94	RADIUM-226		0.52	pCi/g	0.12
LWDS-05-BH11	37.5	20-MAR-94	RADIUM-228		0.51	pCi/g	0.28
LWDS-05-BH11	37.5	20-MAR-94	THALLIUM-208		0.51	pCi/g	0.15
LWDS-05-BH11	37.5	20-MAR-94	THORIUM-228		0.55	pCi/g	0.17
LWDS-05-BH11	37.5	20-MAR-94	THORIUM-232		0.51	pCi/g	0.28
LWDS-05-BH11	37.5	20-MAR-94	TOLUENE	B	2	ug/kg	5
LWDS-05-BH11	37.5	20-MAR-94	VANADIUM		7	mg/kg	1
LWDS-05-BH11	37.5	20-MAR-94	ZINC	B	22.6	mg/kg	2
LWDS-05-BH11	40	20-MAR-94	ACETONE	B	23	ug/kg	10
LWDS-05-BH11	40	20-MAR-94	ACTINIUM-228		0.62	pCi/g	0.23
LWDS-05-BH11	40	20-MAR-94	ALUMINUM		3960	mg/kg	10
LWDS-05-BH11	40	20-MAR-94	ARSENIC		3	mg/kg	0.5
LWDS-05-BH11	40	20-MAR-94	BARIUM		50.7	mg/kg	1
'DS-05-BH11	40	20-MAR-94	BERYLLIUM		0.44	mg/kg	0.2
.√DS-05-BH11	40	20-MAR-94	BIS(2-ETHYLHEXYL)PHTHALATE	H2	46	ug/kg	330
..WDS-05-BH11	40	20-MAR-94	BISMUTH-214		0.54	pCi/g	0.14
LWDS-05-BH11	40	20-MAR-94	CALCIUM	B	51400	mg/kg	20
LWDS-05-BH11	40	20-MAR-94	CHROMIUM		5.7	mg/kg	1
LWDS-05-BH11	40	20-MAR-94	COBALT		3.8	mg/kg	1
LWDS-05-BH11	40	20-MAR-94	COPPER		6.9	mg/kg	2
LWDS-05-BH11	40	20-MAR-94	METHYLENE-CHLORIDE	B	2	ug/kg	5
LWDS-05-BH11	40	20-MAR-94	IRON		10100	mg/kg	10
LWDS-05-BH11	40	20-MAR-94	LEAD	B	6.1	mg/kg	0.5
LWDS-05-BH11	40	20-MAR-94	LEAD-212		0.5	pCi/g	0.12
LWDS-05-BH11	40	20-MAR-94	LEAD-214		0.5	pCi/g	0.14
LWDS-05-BH11	40	20-MAR-94	MAGNESIUM		2810	mg/kg	20
LWDS-05-BH11	40	20-MAR-94	MANGANESE		186	mg/kg	1
LWDS-05-BH11	40	20-MAR-94	NICKEL		6.5	mg/kg	4
LWDS-05-BH11	40	20-MAR-94	POTASSIUM		659	mg/kg	500
LWDS-05-BH11	40	20-MAR-94	POTASSIUM-40		11	pCi/g	0.45
LWDS-05-BH11	40	20-MAR-94	RADIUM-226		0.53	pCi/g	0.14
LWDS-05-BH11	40	20-MAR-94	RADIUM-228		0.62	pCi/g	0.23
LWDS-05-BH11	40	20-MAR-94	THALLIUM-208		0.54	pCi/g	0.2
LWDS-05-BH11	40	20-MAR-94	THORIUM-228		0.59	pCi/g	0.21
LWDS-05-BH11	40	20-MAR-94	THORIUM-232		0.62	pCi/g	0.23
LWDS-05-BH11	40	20-MAR-94	TRICHLOROETHENE		3.8	ug/kg	5
LWDS-05-BH11	40	20-MAR-94	VANADIUM		17.2	mg/kg	1
LWDS-05-BH11	40	20-MAR-94	ZINC	B	24	mg/kg	2
'DS-05-BH11	42.5	20-MAR-94	ACETONE	B	11	ug/kg	10
.√DS-05-BH11	42.5	20-MAR-94	ALUMINUM		3680	mg/kg	10

Sample Name	Depth	Sample Date	Analyte	QC flag	Amount Detected	Units	Detection li
LWDS-05-BH11	42.5	20-MAR-94	ARSENIC		1.2	mg/kg	0.5
LWDS-05-BH11	42.5	20-MAR-94	BARIUM		22.1	mg/kg	1
LWDS-05-BH11	42.5	20-MAR-94	BERYLLIUM		0.38	mg/kg	0.2
LWDS-05-BH11	42.5	20-MAR-94	CALCIUM	B	23500	mg/kg	20
LWDS-05-BH11	42.5	20-MAR-94	CHROMIUM		5.4	mg/kg	1
LWDS-05-BH11	42.5	20-MAR-94	COBALT		3.1	mg/kg	1
LWDS-05-BH11	42.5	20-MAR-94	COPPER		8	mg/kg	2
LWDS-05-BH11	42.5	20-MAR-94	METHYLENE-CHLORIDE	B	2	ug/kg	5
LWDS-05-BH11	42.5	20-MAR-94	IRON		7940	mg/kg	10
LWDS-05-BH11	42.5	20-MAR-94	LEAD	B	2.3	mg/kg	0.5
LWDS-05-BH11	42.5	20-MAR-94	LEAD-212		0.41	pCi/g	0.083
LWDS-05-BH11	42.5	20-MAR-94	LEAD-214		0.6	pCi/g	0.13
LWDS-05-BH11	42.5	20-MAR-94	MAGNESIUM		2240	mg/kg	20
LWDS-05-BH11	42.5	20-MAR-94	MANGANESE		137	mg/kg	1
LWDS-05-BH11	42.5	20-MAR-94	NICKEL		5.1	mg/kg	4
LWDS-05-BH11	42.5	20-MAR-94	POTASSIUM		603	mg/kg	500
LWDS-05-BH11	42.5	20-MAR-94	POTASSIUM-40		13	pCi/g	0.42
LWDS-05-BH11	42.5	20-MAR-94	RADIUM-226		0.47	pCi/g	0.13
LWDS-05-BH11	42.5	20-MAR-94	RADIUM-228		0.42	pCi/g	0.25
LWDS-05-BH11	42.5	20-MAR-94	THALLIUM-208		0.54	pCi/g	0.18
LWDS-05-BH11	42.5	20-MAR-94	THORIUM-228		0.58	pCi/g	0.19
LWDS-05-BH11	42.5	20-MAR-94	THORIUM-232		0.42	pCi/g	0.25
LWDS-05-BH11	42.5	20-MAR-94	VANADIUM		14.9	mg/kg	1
LWDS-05-BH11	42.5	20-MAR-94	ZINC	B	18.9	mg/kg	2
LWDS-05-BH11	45	20-MAR-94	ALUMINUM		4740	mg/kg	10
LWDS-05-BH11	45	20-MAR-94	ARSENIC		1.9	mg/kg	0.5
LWDS-05-BH11	45	20-MAR-94	BARIUM		73.6	mg/kg	1
LWDS-05-BH11	45	20-MAR-94	BERYLLIUM		0.39	mg/kg	0.2
LWDS-05-BH11	45	20-MAR-94	CALCIUM	B	18900	mg/kg	20
LWDS-05-BH11	45	20-MAR-94	CHROMIUM		7.3	mg/kg	1
LWDS-05-BH11	45	20-MAR-94	COBALT		3.9	mg/kg	1
LWDS-05-BH11	45	20-MAR-94	COPPER		6.7	mg/kg	2
LWDS-05-BH11	45	20-MAR-94	METHYLENE-CHLORIDE	B	1.7	ug/kg	5
LWDS-05-BH11	45	20-MAR-94	IRON		9440	mg/kg	10
LWDS-05-BH11	45	20-MAR-94	LEAD	B	3.6	mg/kg	0.5
LWDS-05-BH11	45	20-MAR-94	LEAD-212		0.35	pCi/g	0.11
LWDS-05-BH11	45	20-MAR-94	LEAD-214		0.48	pCi/g	0.15
LWDS-05-BH11	45	20-MAR-94	MAGNESIUM		2650	mg/kg	20
LWDS-05-BH11	45	20-MAR-94	MANGANESE		150	mg/kg	1
LWDS-05-BH11	45	20-MAR-94	NICKEL		7.1	mg/kg	4
LWDS-05-BH11	45	20-MAR-94	POTASSIUM		782	mg/kg	500
LWDS-05-BH11	45	20-MAR-94	POTASSIUM-40		15	pCi/g	0.74
LWDS-05-BH11	45	20-MAR-94	RADIUM-224		4.1	pCi/g	1.3
LWDS-05-BH11	45	20-MAR-94	RADIUM-226		0.43	pCi/g	0.14
LWDS-05-BH11	45	20-MAR-94	RADIUM-228		0.19	pCi/g	0.21
LWDS-05-BH11	45	20-MAR-94	THALLIUM-208		0.64	pCi/g	0.23
LWDS-05-BH11	45	20-MAR-94	THORIUM-228		0.7	pCi/g	0.24
LWDS-05-BH11	45	20-MAR-94	VANADIUM		17.8	mg/kg	1
LWDS-05-BH11	45	20-MAR-94	ZINC	B	24.1	mg/kg	2
LWDS-05-BH11	47.5	20-MAR-94	ACETONE	B	6.4	ug/kg	10

Sample Name	Depth	Sample Date	Analyte	QC flag	Amount Detected	Units	Detection limit
LWDS-05-BH11	47.5	20-MAR-94	ACTINIUM-228		0.51	pCi/g	0.3
LWDS-05-BH11	47.5	20-MAR-94	ALUMINUM		6930	mg/kg	10
LWDS-05-BH11	47.5	20-MAR-94	ANTIMONY		8	mg/kg	6
LWDS-05-BH11	47.5	20-MAR-94	ARSENIC		2.5	mg/kg	0.5
LWDS-05-BH11	47.5	20-MAR-94	BARIUM		49.1	mg/kg	1
LWDS-05-BH11	47.5	20-MAR-94	BERYLLIUM		0.52	mg/kg	0.2
LWDS-05-BH11	47.5	20-MAR-94	BISMUTH-212		0.77	pCi/g	0.65
LWDS-05-BH11	47.5	20-MAR-94	CADMIUM		0.31	mg/kg	0.5
LWDS-05-BH11	47.5	20-MAR-94	CALCIUM	B	27900	mg/kg	20
LWDS-05-BH11	47.5	20-MAR-94	CHROMIUM		8.6	mg/kg	1
LWDS-05-BH11	47.5	20-MAR-94	COBALT		3.8	mg/kg	1
LWDS-05-BH11	47.5	20-MAR-94	COPPER		5.9	mg/kg	2
LWDS-05-BH11	47.5	20-MAR-94	METHYLENE-CHLORIDE	B	2.8	ug/kg	5
LWDS-05-BH11	47.5	20-MAR-94	IRON		9380	mg/kg	10
LWDS-05-BH11	47.5	20-MAR-94	LEAD	B	4	mg/kg	0.5
LWDS-05-BH11	47.5	20-MAR-94	LEAD-212		0.57	pCi/g	0.094
LWDS-05-BH11	47.5	20-MAR-94	LEAD-214		0.61	pCi/g	0.14
LWDS-05-BH11	47.5	20-MAR-94	MAGNESIUM		3200	mg/kg	20
LWDS-05-BH11	47.5	20-MAR-94	MANGANESE		180	mg/kg	1
LWDS-05-BH11	47.5	20-MAR-94	NICKEL		7.4	mg/kg	4
LWDS-05-BH11	47.5	20-MAR-94	POTASSIUM		1090	mg/kg	500
LWDS-05-BH11	47.5	20-MAR-94	POTASSIUM-40		10	pCi/g	0.67
LWDS-05-BH11	47.5	20-MAR-94	RADIUM-226		0.55	pCi/g	0.13
LWDS-05-BH11	47.5	20-MAR-94	RADIUM-228		0.51	pCi/g	0.3
LWDS-05-BH11	47.5	20-MAR-94	THALLIUM-208		0.53	pCi/g	0.21
LWDS-05-BH11	47.5	20-MAR-94	THORIUM-228		0.57	pCi/g	0.23
LWDS-05-BH11	47.5	20-MAR-94	THORIUM-232		0.51	pCi/g	0.3
LWDS-05-BH11	47.5	20-MAR-94	THORIUM-234		1.1	pCi/g	0.82
LWDS-05-BH11	47.5	20-MAR-94	TOLUENE	B	1.8	ug/kg	5
LWDS-05-BH11	47.5	20-MAR-94	VANADIUM		20.9	mg/kg	1
LWDS-05-BH11	47.5	20-MAR-94	ZINC	B	21.6	mg/kg	2
LWDS-05-BH11	50	20-MAR-94	ACETONE	B	8.7	ug/kg	10
LWDS-05-BH11	50	20-MAR-94	ACTINIUM-228		0.58	pCi/g	0.25
LWDS-05-BH11	50	20-MAR-94	ALUMINUM		4960	mg/kg	10
LWDS-05-BH11	50	20-MAR-94	ARSENIC		1.8	mg/kg	0.5
LWDS-05-BH11	50	20-MAR-94	BARIUM		30.2	mg/kg	1
LWDS-05-BH11	50	20-MAR-94	BERYLLIUM		0.34	mg/kg	0.2
LWDS-05-BH11	50	20-MAR-94	BISMUTH-214		0.52	pCi/g	0.12
LWDS-05-BH11	50	20-MAR-94	CALCIUM	B	16000	mg/kg	20
LWDS-05-BH11	50	20-MAR-94	CHROMIUM		6.9	mg/kg	1
LWDS-05-BH11	50	20-MAR-94	COBALT		3.2	mg/kg	1
LWDS-05-BH11	50	20-MAR-94	COPPER		5.9	mg/kg	2
LWDS-05-BH11	50	20-MAR-94	METHYLENE-CHLORIDE	B	2.2	ug/kg	5
LWDS-05-BH11	50	20-MAR-94	IRON		8630	mg/kg	10
LWDS-05-BH11	50	20-MAR-94	LEAD	B	3	mg/kg	1
LWDS-05-BH11	50	20-MAR-94	LEAD-212		0.57	pCi/g	0.13
LWDS-05-BH11	50	20-MAR-94	LEAD-214		0.6	pCi/g	0.15
LWDS-05-BH11	50	20-MAR-94	MAGNESIUM		2410	mg/kg	20
LWDS-05-BH11	50	20-MAR-94	MANGANESE		122	mg/kg	1
LWDS-05-BH11	50	20-MAR-94	NICKEL		6.6	mg/kg	4

Sample Name	Depth	Sample Date	Analyte	QC flag	Amount Detected	Units	Detection lim
LWDS-05-BH11	50	20-MAR-94	POTASSIUM		690	mg/kg	500
LWDS-05-BH11	50	20-MAR-94	POTASSIUM-40		13	pCi/g	0.61
LWDS-05-BH11	50	20-MAR-94	RADIUM-226		0.51	pCi/g	0.12
LWDS-05-BH11	50	20-MAR-94	RADIUM-228		0.58	pCi/g	0.25
LWDS-05-BH11	50	20-MAR-94	THALLIUM-208		0.5	pCi/g	0.23
LWDS-05-BH11	50	20-MAR-94	THORIUM-228		0.54	pCi/g	0.25
LWDS-05-BH11	50	20-MAR-94	THORIUM-232		0.58	pCi/g	0.25
LWDS-05-BH11	50	20-MAR-94	VANADIUM		18.6	mg/kg	1
LWDS-05-BH11	50	20-MAR-94	ZINC	B	21.9	mg/kg	2
LWDS-05-BH11	55	20-MAR-94	ACETONE	B	6.9	ug/kg	10
LWDS-05-BH11	55	20-MAR-94	ACTINIUM-228		0.55	pCi/g	0.26
LWDS-05-BH11	55	20-MAR-94	ALUMINUM		5530	mg/kg	10
LWDS-05-BH11	55	20-MAR-94	ARSENIC		2.1	mg/kg	0.5
LWDS-05-BH11	55	20-MAR-94	BARIUM		27.1	mg/kg	1
LWDS-05-BH11	55	20-MAR-94	BERYLLIUM		0.28	mg/kg	0.2
LWDS-05-BH11	55	20-MAR-94	CALCIUM	B	7570	mg/kg	20
LWDS-05-BH11	55	20-MAR-94	CHROMIUM		6.1	mg/kg	1
LWDS-05-BH11	55	20-MAR-94	COBALT		2.2	mg/kg	1
LWDS-05-BH11	55	20-MAR-94	COPPER		3.3	mg/kg	2
LWDS-05-BH11	55	20-MAR-94	METHYLENE-CHLORIDE	B	2.3	ug/kg	5
LWDS-05-BH11	55	20-MAR-94	IRON		6530	mg/kg	10
LWDS-05-BH11	55	20-MAR-94	LEAD	B	2.7	mg/kg	0.5
LWDS-05-BH11	55	20-MAR-94	LEAD-212		0.42	pCi/g	0.14
LWDS-05-BH11	55	20-MAR-94	LEAD-214		0.58	pCi/g	0.16
LWDS-05-BH11	55	20-MAR-94	MAGNESIUM		1560	mg/kg	20
LWDS-05-BH11	55	20-MAR-94	MANGANESE		83	mg/kg	1
LWDS-05-BH11	55	20-MAR-94	NICKEL		4.4	mg/kg	4
LWDS-05-BH11	55	20-MAR-94	POTASSIUM		727	mg/kg	500
LWDS-05-BH11	55	20-MAR-94	POTASSIUM-40		13	pCi/g	0.53
LWDS-05-BH11	55	20-MAR-94	RADIUM-226		0.59	pCi/g	0.12
LWDS-05-BH11	55	20-MAR-94	RADIUM-228		0.55	pCi/g	0.26
LWDS-05-BH11	55	20-MAR-94	THALLIUM-208		0.42	pCi/g	0.2
LWDS-05-BH11	55	20-MAR-94	THORIUM-228		0.45	pCi/g	0.21
LWDS-05-BH11	55	20-MAR-94	THORIUM-232		0.55	pCi/g	0.26
LWDS-05-BH11	55	20-MAR-94	TOLUENE	B	23	ug/kg	5
LWDS-05-BH11	55	20-MAR-94	VANADIUM		15.2	mg/kg	1
LWDS-05-BH11	55	20-MAR-94	ZINC	B	14.2	mg/kg	2
LWDS-05-BH11	60	20-MAR-94	ACTINIUM-228		0.39	pCi/g	0.31
LWDS-05-BH11	60	20-MAR-94	ALUMINUM		5500	mg/kg	10
LWDS-05-BH11	60	20-MAR-94	ARSENIC		2	mg/kg	0.5
LWDS-05-BH11	60	20-MAR-94	BARIUM		41.4	mg/kg	1
LWDS-05-BH11	60	20-MAR-94	BERYLLIUM		0.42	mg/kg	0.2
LWDS-05-BH11	60	20-MAR-94	BISMUTH-214		0.47	pCi/g	0.14
LWDS-05-BH11	60	20-MAR-94	CALCIUM	B	20300	mg/kg	20
LWDS-05-BH11	60	20-MAR-94	CHROMIUM		6.9	mg/kg	1
LWDS-05-BH11	60	20-MAR-94	COBALT		3.3	mg/kg	1
LWDS-05-BH11	60	20-MAR-94	COPPER		5	mg/kg	2
LWDS-05-BH11	60	20-MAR-94	METHYLENE-CHLORIDE	B	1.5	ug/kg	5
LWDS-05-BH11	60	20-MAR-94	IRON		9060	mg/kg	10
LWDS-05-BH11	60	20-MAR-94	LEAD	B	3	mg/kg	0.5

Sample Name	Depth	Sample Date	Analyte	QC flag	Amount Detected	Units	Detection limit
LWDS-05-BH11	60	20-MAR-94	LEAD-212		0.47	pCi/g	0.094
LWDS-05-BH11	60	20-MAR-94	LEAD-214		0.53	pCi/g	0.13
LWDS-05-BH11	60	20-MAR-94	MAGNESIUM		2640	mg/kg	20
LWDS-05-BH11	60	20-MAR-94	MANGANESE		138	mg/kg	1
LWDS-05-BH11	60	20-MAR-94	NICKEL		5.7	mg/kg	4
LWDS-05-BH11	60	20-MAR-94	POTASSIUM		844	mg/kg	500
LWDS-05-BH11	60	20-MAR-94	POTASSIUM-40		13	pCi/g	0.4
LWDS-05-BH11	60	20-MAR-94	RADIUM-226		0.45	pCi/g	0.14
LWDS-05-BH11	60	20-MAR-94	RADIUM-228		0.39	pCi/g	0.31
LWDS-05-BH11	60	20-MAR-94	THALLIUM-208		0.41	pCi/g	0.21
LWDS-05-BH11	60	20-MAR-94	THORIUM-228		0.44	pCi/g	0.23
LWDS-05-BH11	60	20-MAR-94	THORIUM-232		0.39	pCi/g	0.31
LWDS-05-BH11	60	20-MAR-94	TOLUENE	B	5.7	ug/kg	5
LWDS-05-BH11	60	20-MAR-94	VANADIUM		18.7	mg/kg	1
LWDS-05-BH11	60	20-MAR-94	ZINC	B	20.8	mg/kg	2
LWDS-05-BH11	65	20-MAR-94	ACETONE	B	8	ug/kg	10
LWDS-05-BH11	65	20-MAR-94	ACTINIUM-228		0.56	pCi/g	0.23
LWDS-05-BH11	65	20-MAR-94	ALUMINUM		2420	mg/kg	10
LWDS-05-BH11	65	20-MAR-94	ARSENIC		1.4	mg/kg	0.5
LWDS-05-BH11	65	20-MAR-94	BARIUM		15.7	mg/kg	1
LWDS-05-BH11	65	20-MAR-94	BERYLLIUM		0.27	mg/kg	0.2
LWDS-05-BH11	65	20-MAR-94	BISMUTH-212		0.97	pCi/g	0.68
LWDS-05-BH11	65	20-MAR-94	BISMUTH-214		0.49	pCi/g	0.11
DS-05-BH11	65	20-MAR-94	CALCIUM	B	28000	mg/kg	20
WDS-05-BH11	65	20-MAR-94	CESIUM-137		0.021	pCi/g	0.051
LWDS-05-BH11	65	20-MAR-94	CHROMIUM		3.2	mg/kg	1
LWDS-05-BH11	65	20-MAR-94	COBALT		2	mg/kg	1
LWDS-05-BH11	65	20-MAR-94	COPPER		3.6	mg/kg	2
LWDS-05-BH11	65	20-MAR-94	METHYLENE-CHLORIDE	B	1.9	ug/kg	5
LWDS-05-BH11	65	20-MAR-94	IRON		5020	mg/kg	10
LWDS-05-BH11	65	20-MAR-94	LEAD	B	2.9	mg/kg	0.5
LWDS-05-BH11	65	20-MAR-94	LEAD-212		0.43	pCi/g	0.078
LWDS-05-BH11	65	20-MAR-94	LEAD-214		0.42	pCi/g	0.093
LWDS-05-BH11	65	20-MAR-94	MAGNESIUM		1650	mg/kg	20
LWDS-05-BH11	65	20-MAR-94	MANGANESE		109	mg/kg	1
LWDS-05-BH11	65	20-MAR-94	NICKEL		2.9	mg/kg	4
LWDS-05-BH11	65	20-MAR-94	POTASSIUM		348	mg/kg	500
LWDS-05-BH11	65	20-MAR-94	POTASSIUM-40		12	pCi/g	0.51
LWDS-05-BH11	65	20-MAR-94	RADIUM-226		0.47	pCi/g	0.11
LWDS-05-BH11	65	20-MAR-94	RADIUM-228		0.56	pCi/g	0.23
LWDS-05-BH11	65	20-MAR-94	THALLIUM-208		0.32	pCi/g	0.14
LWDS-05-BH11	65	20-MAR-94	THORIUM-228		0.34	pCi/g	0.15
LWDS-05-BH11	65	20-MAR-94	THORIUM-232		0.56	pCi/g	0.23
LWDS-05-BH11	65	20-MAR-94	TOLUENE	B	51	ug/kg	5
LWDS-05-BH11	65	20-MAR-94	VANADIUM		8.7	mg/kg	1
LWDS-05-BH11	65	20-MAR-94	ZINC	B	14	mg/kg	2
LWDS-05-BH11	70	20-MAR-94	ACETONE	B	14	ug/kg	10
LWDS-05-BH11	70	20-MAR-94	ACETONE		12	ug/kg	10
DS-05-BH11	70	20-MAR-94	ACTINIUM-228		0.67	pCi/g	0.34
WDS-05-BH11	70	20-MAR-94	ACTINIUM-228		0.62	pCi/g	0.29

Sample Name	Depth	Sample Date	Analyte	QC flag	Amount Detected	Units	Detection lim
LWDS-05-BH11	70	20-MAR-94	ALUMINUM		5030	mg/kg	10
LWDS-05-BH11	70	20-MAR-94	ALUMINUM		7290	mg/kg	10
LWDS-05-BH11	70	20-MAR-94	ARSENIC		2.4	mg/kg	0.5
LWDS-05-BH11	70	20-MAR-94	ARSENIC		2.5	mg/kg	0.5
LWDS-05-BH11	70	20-MAR-94	BARIUM		30.6	mg/kg	1
LWDS-05-BH11	70	20-MAR-94	BARIUM		44.1	mg/kg	1
LWDS-05-BH11	70	20-MAR-94	BERYLLIUM		0.36	mg/kg	0.2
LWDS-05-BH11	70	20-MAR-94	BERYLLIUM		0.46	mg/kg	0.2
LWDS-05-BH11	70	20-MAR-94	BISMUTH-212		0.72	pCi/g	0.53
LWDS-05-BH11	70	20-MAR-94	BISMUTH-214	D	0.84	pCi/g	0.13
LWDS-05-BH11	70	20-MAR-94	BISMUTH-214	D	0.44	pCi/g	0.13
LWDS-05-BH11	70	20-MAR-94	CALCIUM		24100	mg/kg	20
LWDS-05-BH11	70	20-MAR-94	CALCIUM	B	27500	mg/kg	20
LWDS-05-BH11	70	20-MAR-94	CHROMIUM		6.8	mg/kg	1
LWDS-05-BH11	70	20-MAR-94	CHROMIUM		7.5	mg/kg	1
LWDS-05-BH11	70	20-MAR-94	COBALT		3.9	mg/kg	1
LWDS-05-BH11	70	20-MAR-94	COBALT		4.4	mg/kg	1
LWDS-05-BH11	70	20-MAR-94	COPPER		6.3	mg/kg	2
LWDS-05-BH11	70	20-MAR-94	COPPER		7.5	mg/kg	2
LWDS-05-BH11	70	20-MAR-94	METHYLENE-CHLORIDE	B	1.8	ug/kg	5
LWDS-05-BH11	70	20-MAR-94	METHYLENE-CHLORIDE		2	ug/kg	5
LWDS-05-BH11	70	20-MAR-94	IRON		10400	mg/kg	10
LWDS-05-BH11	70	20-MAR-94	IRON		10700	mg/kg	10
LWDS-05-BH11	70	20-MAR-94	LEAD		5.2	mg/kg	0.5
LWDS-05-BH11	70	20-MAR-94	LEAD	B	4.8	mg/kg	0.5
LWDS-05-BH11	70	20-MAR-94	LEAD-212		0.61	pCi/g	0.12
LWDS-05-BH11	70	20-MAR-94	LEAD-212		0.56	pCi/g	0.088
LWDS-05-BH11	70	20-MAR-94	LEAD-214	D	0.96	pCi/g	0.16
LWDS-05-BH11	70	20-MAR-94	LEAD-214	D	0.48	pCi/g	0.15
LWDS-05-BH11	70	20-MAR-94	MAGNESIUM		2820	mg/kg	20
LWDS-05-BH11	70	20-MAR-94	MAGNESIUM		3350	mg/kg	20
LWDS-05-BH11	70	20-MAR-94	MANGANESE		204	mg/kg	1
LWDS-05-BH11	70	20-MAR-94	MANGANESE		165	mg/kg	1
LWDS-05-BH11	70	20-MAR-94	NICKEL		6.9	mg/kg	4
LWDS-05-BH11	70	20-MAR-94	NICKEL		7.3	mg/kg	4
LWDS-05-BH11	70	20-MAR-94	POTASSIUM	D	602	mg/kg	500
LWDS-05-BH11	70	20-MAR-94	POTASSIUM	D	1110	mg/kg	500
LWDS-05-BH11	70	20-MAR-94	POTASSIUM-40		13	pCi/g	0.52
LWDS-05-BH11	70	20-MAR-94	POTASSIUM-40		14	pCi/g	0.5
LWDS-05-BH11	70	20-MAR-94	RADIUM-226	D	0.82	pCi/g	0.13
LWDS-05-BH11	70	20-MAR-94	RADIUM-226	D	0.42	pCi/g	0.13
LWDS-05-BH11	70	20-MAR-94	RADIUM-228		0.67	pCi/g	0.34
LWDS-05-BH11	70	20-MAR-94	RADIUM-228		0.62	pCi/g	0.29
LWDS-05-BH11	70	20-MAR-94	THALLIUM-208		0.53	pCi/g	0.27
LWDS-05-BH11	70	20-MAR-94	THALLIUM-208		0.52	pCi/g	0.19
LWDS-05-BH11	70	20-MAR-94	THORIUM-228		0.58	pCi/g	0.29
LWDS-05-BH11	70	20-MAR-94	THORIUM-228		0.56	pCi/g	0.21
LWDS-05-BH11	70	20-MAR-94	THORIUM-232		0.67	pCi/g	0.34
LWDS-05-BH11	70	20-MAR-94	THORIUM-232		0.62	pCi/g	0.29
LWDS-05-BH11	70	20-MAR-94	VANADIUM		19.5	mg/kg	1

...nple Name	Depth	Sample Date	Analyte	QC flag	Amount Detected	Units	Detection limit
WDS-05-BH11	70	20-MAR-94	VANADIUM		20	mg/kg	1
LWDS-05-BH11	70	20-MAR-94	ZINC		24.2	mg/kg	2
LWDS-05-BH11	70	20-MAR-94	ZINC	B	24.9	mg/kg	2
LWDS-05-BH11-3	35	20-MAR-94	ACTINIUM-228		0.381	pCi/g	100000000
LWDS-05-BH11-3	35	20-MAR-94	BISMUTH-207		0.0134	pCi/g	100000000
LWDS-05-BH11-3	35	20-MAR-94	BISMUTH-212		0.442	pCi/g	100000000
LWDS-05-BH11-3	35	20-MAR-94	BISMUTH-214		0.353	pCi/g	100000000
LWDS-05-BH11-3	35	20-MAR-94	CESIUM-137		0.0329	pCi/g	100000000
LWDS-05-BH11-3	35	20-MAR-94	COBALT-60		0.0571	pCi/g	100000000
LWDS-05-BH11-3	35	20-MAR-94	LEAD-212		0.393	pCi/g	100000000
LWDS-05-BH11-3	35	20-MAR-94	LEAD-214		0.441	pCi/g	100000000
LWDS-05-BH11-3	35	20-MAR-94	POTASSIUM-40		9.72	pCi/g	100000000
LWDS-05-BH11-3	35	20-MAR-94	RADIUM-226		0.337	pCi/g	100000000
LWDS-05-BH11-3	35	20-MAR-94	RADIUM-228		0.422	pCi/g	100000000
LWDS-05-BH11-3	35	20-MAR-94	THALLIUM-208		0.129	pCi/g	100000000
LWDS-05-BH11-3	35	20-MAR-94	THORIUM-228		0.391	pCi/g	100000000
LWDS-05-BH11-3	35	20-MAR-94	THORIUM-232		0.422	pCi/g	100000000
LWDS-05-BH11-5	50	20-MAR-94	ACTINIUM-228		0.456	pCi/g	100000000
LWDS-05-BH11-5	50	20-MAR-94	BISMUTH-212		0.277	pCi/g	100000000
LWDS-05-BH11-5	50	20-MAR-94	BISMUTH-214		0.385	pCi/g	100000000
LWDS-05-BH11-5	50	20-MAR-94	LEAD-212		0.448	pCi/g	100000000
LWDS-05-BH11-5	50	20-MAR-94	LEAD-214		0.435	pCi/g	100000000
LWDS-05-BH11-5	50	20-MAR-94	POTASSIUM-40		13.1	pCi/g	100000000
'DS-05-BH11-5	50	20-MAR-94	RADIUM-224		0.497	pCi/g	100000000
.VDS-05-BH11-5	50	20-MAR-94	RADIUM-226		0.369	pCi/g	100000000
WDS-05-BH11-5	50	20-MAR-94	RADIUM-228		0.505	pCi/g	100000000
LWDS-05-BH11-5	50	20-MAR-94	THALLIUM-208		0.177	pCi/g	100000000
LWDS-05-BH11-5	50	20-MAR-94	THORIUM-228		0.446	pCi/g	100000000
LWDS-05-BH11-5	50	20-MAR-94	THORIUM-232		0.505	pCi/g	100000000
LWDS-05-BH12	25	21-MAR-94	ACETONE	B	20	ug/kg	10
LWDS-05-BH12	25	21-MAR-94	ACTINIUM-228		0.49	pCi/g	0.26
LWDS-05-BH12	25	21-MAR-94	ALUMINUM		4680	mg/kg	10
LWDS-05-BH12	25	21-MAR-94	ARSENIC		2.8	mg/kg	0.5
LWDS-05-BH12	25	21-MAR-94	BARIUM		128	mg/kg	1
LWDS-05-BH12	25	21-MAR-94	BERYLLIUM		0.24	mg/kg	0.2
LWDS-05-BH12	25	21-MAR-94	BIS(2-ETHYLHEXYL)PHTHALATE		34	ug/kg	330
LWDS-05-BH12	25	21-MAR-94	BISMUTH-212		1.3	pCi/g	0.88
LWDS-05-BH12	25	21-MAR-94	CALCIUM	B	34100	mg/kg	20
LWDS-05-BH12	25	21-MAR-94	CHROMIUM		3.8	mg/kg	1
LWDS-05-BH12	25	21-MAR-94	COBALT		3.1	mg/kg	1
LWDS-05-BH12	25	21-MAR-94	COPPER		6.8	mg/kg	2
LWDS-05-BH12	25	21-MAR-94	METHYLENE-CHLORIDE	B	2.4	ug/kg	5
LWDS-05-BH12	25	21-MAR-94	IRON		7910	mg/kg	10
LWDS-05-BH12	25	21-MAR-94	LEAD		4	mg/kg	0.5
LWDS-05-BH12	25	21-MAR-94	LEAD-212		0.66	pCi/g	0.11
LWDS-05-BH12	25	21-MAR-94	LEAD-214		0.73	pCi/g	0.18
LWDS-05-BH12	25	21-MAR-94	MAGNESIUM		3040	mg/kg	20
LWDS-05-BH12	25	21-MAR-94	MANGANESE		164	mg/kg	1
'DS-05-BH12	25	21-MAR-94	NICKEL		5.7	mg/kg	4
.VDS-05-BH12	25	21-MAR-94	POTASSIUM		772	mg/kg	500

Sample Name	Depth	Sample Date	Analyte	QC flag	Amount Detected	Units	Detection lim
LWDS-05-BH12	25	21-MAR-94	POTASSIUM-40		14	pCi/g	0.76
LWDS-05-BH12	25	21-MAR-94	RADIUM-226		0.76	pCi/g	0.18
LWDS-05-BH12	25	21-MAR-94	RADIUM-228		0.49	pCi/g	0.26
LWDS-05-BH12	25	21-MAR-94	THALLIUM-208		0.63	pCi/g	0.32
LWDS-05-BH12	25	21-MAR-94	THORIUM-228		0.68	pCi/g	0.35
LWDS-05-BH12	25	21-MAR-94	THORIUM-232		0.49	pCi/g	0.26
LWDS-05-BH12	25	21-MAR-94	VANADIUM		13.4	mg/kg	1
LWDS-05-BH12	25	21-MAR-94	ZINC	B	20.8	mg/kg	2
LWDS-05-BH12	30	21-MAR-94	ACETONE	B	40	ug/kg	10
LWDS-05-BH12	30	21-MAR-94	ACTINIUM-228		1.1	pCi/g	0.33
LWDS-05-BH12	30	21-MAR-94	ALUMINUM		2950	mg/kg	10
LWDS-05-BH12	30	21-MAR-94	ARSENIC		1.5	mg/kg	0.5
LWDS-05-BH12	30	21-MAR-94	BARIUM		80.6	mg/kg	1
LWDS-05-BH12	30	21-MAR-94	BERYLLIUM		0.23	mg/kg	0.2
LWDS-05-BH12	30	21-MAR-94	BIS(2-ETHYLHEXYL)PHTHALATE		70	ug/kg	330
LWDS-05-BH12	30	21-MAR-94	BISMUTH-214		0.69	pCi/g	0.17
LWDS-05-BH12	30	21-MAR-94	CADMIUM		0.31	mg/kg	0.5
LWDS-05-BH12	30	21-MAR-94	CALCIUM	B	44500	mg/kg	20
LWDS-05-BH12	30	21-MAR-94	CESIUM-137		0.096	pCi/g	0.11
LWDS-05-BH12	30	21-MAR-94	CHROMIUM		2.7	mg/kg	1
LWDS-05-BH12	30	21-MAR-94	COBALT		2.2	mg/kg	1
LWDS-05-BH12	30	21-MAR-94	COBALT-60		0.15	pCi/g	0.1
LWDS-05-BH12	30	21-MAR-94	COPPER		5.6	mg/kg	2
LWDS-05-BH12	30	21-MAR-94	METHYLENE-CHLORIDE	B	2.3	ug/kg	5
LWDS-05-BH12	30	21-MAR-94	IRON		5580	mg/kg	10
LWDS-05-BH12	30	21-MAR-94	LEAD		3.7	mg/kg	0.5
LWDS-05-BH12	30	21-MAR-94	LEAD-212		0.76	pCi/g	0.11
LWDS-05-BH12	30	21-MAR-94	LEAD-214		0.67	pCi/g	0.17
LWDS-05-BH12	30	21-MAR-94	MAGNESIUM		2350	mg/kg	20
LWDS-05-BH12	30	21-MAR-94	MANGANESE		124	mg/kg	1
LWDS-05-BH12	30	21-MAR-94	NICKEL		4.4	mg/kg	4
LWDS-05-BH12	30	21-MAR-94	POTASSIUM		387	mg/kg	500
LWDS-05-BH12	30	21-MAR-94	POTASSIUM-40		10	pCi/g	0.86
LWDS-05-BH12	30	21-MAR-94	RADIUM-226		0.67	pCi/g	0.16
LWDS-05-BH12	30	21-MAR-94	RADIUM-228		1.1	pCi/g	0.33
LWDS-05-BH12	30	21-MAR-94	THALLIUM-208		0.84	pCi/g	0.31
LWDS-05-BH12	30	21-MAR-94	THORIUM-228		0.91	pCi/g	0.34
LWDS-05-BH12	30	21-MAR-94	THORIUM-232		1.1	pCi/g	0.33
LWDS-05-BH12	30	21-MAR-94	VANADIUM		9.4	mg/kg	1
LWDS-05-BH12	30	21-MAR-94	ZINC	B	16.2	mg/kg	2
LWDS-05-BH12	32.5	21-MAR-94	2-BUTANONE		5.1	ug/kg	10
LWDS-05-BH12	32.5	21-MAR-94	ACETONE	B	55	ug/kg	10
LWDS-05-BH12	32.5	21-MAR-94	ACTINIUM-228		0.81	pCi/g	0.42
LWDS-05-BH12	32.5	21-MAR-94	ALUMINUM		4520	mg/kg	10
LWDS-05-BH12	32.5	21-MAR-94	ANTIMONY		6.1	mg/kg	6
LWDS-05-BH12	32.5	21-MAR-94	ARSENIC		1.4	mg/kg	0.5
LWDS-05-BH12	32.5	21-MAR-94	BARIUM		78.3	mg/kg	1
LWDS-05-BH12	32.5	21-MAR-94	BERYLLIUM		0.25	mg/kg	0.2
LWDS-05-BH12	32.5	21-MAR-94	CADMIUM		5.7	mg/kg	0.5
LWDS-05-BH12	32.5	21-MAR-94	CALCIUM	B	28800	mg/kg	20

..nple Name	Depth	Sample Date	Analyte	QC flag	Amount Detected	Units	Detection limit
.WDS-05-BH12	32.5	21-MAR-94	CHROMIUM		14.5	mg/kg	1
LWDS-05-BH12	32.5	21-MAR-94	COBALT		2.9	mg/kg	1
LWDS-05-BH12	32.5	21-MAR-94	COPPER		9.8	mg/kg	2
LWDS-05-BH12	32.5	21-MAR-94	IRON		7240	mg/kg	10
LWDS-05-BH12	32.5	21-MAR-94	LEAD		5.1	mg/kg	1
LWDS-05-BH12	32.5	21-MAR-94	LEAD-212		0.51	pCi/g	0.14
LWDS-05-BH12	32.5	21-MAR-94	LEAD-214		0.57	pCi/g	0.15
LWDS-05-BH12	32.5	21-MAR-94	MAGNESIUM		3050	mg/kg	20
LWDS-05-BH12	32.5	21-MAR-94	MANGANESE		156	mg/kg	1
LWDS-05-BH12	32.5	21-MAR-94	NICKEL		6	mg/kg	4
LWDS-05-BH12	32.5	21-MAR-94	POTASSIUM		892	mg/kg	500
LWDS-05-BH12	32.5	21-MAR-94	POTASSIUM-40		13	pCi/g	0.66
LWDS-05-BH12	32.5	21-MAR-94	RADIUM-226		0.52	pCi/g	0.18
LWDS-05-BH12	32.5	21-MAR-94	RADIUM-228		0.81	pCi/g	0.42
LWDS-05-BH12	32.5	21-MAR-94	THALLIUM-208		0.49	pCi/g	0.34
LWDS-05-BH12	32.5	21-MAR-94	THORIUM-228		0.53	pCi/g	0.36
LWDS-05-BH12	32.5	21-MAR-94	THORIUM-232		0.81	pCi/g	0.42
LWDS-05-BH12	32.5	21-MAR-94	VANADIUM		9.4	mg/kg	1
LWDS-05-BH12	32.5	21-MAR-94	ZINC	B	25.1	mg/kg	2
LWDS-05-BH12	35	21-MAR-94	2-BUTANONE		5	ug/kg	10
LWDS-05-BH12	35	21-MAR-94	ACETONE	B	71	ug/kg	10
LWDS-05-BH12	35	21-MAR-94	ACTINIUM-228		0.67	pCi/g	0.46
LWDS-05-BH12	35	21-MAR-94	ALUMINUM		3720	mg/kg	10
'DS-05-BH12	35	21-MAR-94	ARSENIC		1.9	mg/kg	0.5
₩DS-05-BH12	35	21-MAR-94	BARIUM		78.5	mg/kg	1
LWDS-05-BH12	35	21-MAR-94	BERYLLIUM		0.19	mg/kg	0.2
LWDS-05-BH12	35	21-MAR-94	BIS(2-ETHYLHEXYL)PHTHALATE		1300	ug/kg	330
LWDS-05-BH12	35	21-MAR-94	CADMIUM		3.5	mg/kg	0.5
LWDS-05-BH12	35	21-MAR-94	CALCIUM	B	38200	mg/kg	20
LWDS-05-BH12	35	21-MAR-94	CESIUM-137		0.075	pCi/g	0.07
LWDS-05-BH12	35	21-MAR-94	CHROMIUM		5.6	mg/kg	1
LWDS-05-BH12	35	21-MAR-94	COBALT		2.6	mg/kg	1
LWDS-05-BH12	35	21-MAR-94	COPPER		7.3	mg/kg	2
LWDS-05-BH12	35	21-MAR-94	METHYLENE-CHLORIDE	B	2.8	ug/kg	5
LWDS-05-BH12	35	21-MAR-94	IRON		7030	mg/kg	10
LWDS-05-BH12	35	21-MAR-94	LEAD		4.9	mg/kg	0.5
LWDS-05-BH12	35	21-MAR-94	LEAD-212		0.67	pCi/g	0.11
LWDS-05-BH12	35	21-MAR-94	LEAD-214		0.61	pCi/g	0.13
LWDS-05-BH12	35	21-MAR-94	MAGNESIUM		2570	mg/kg	20
LWDS-05-BH12	35	21-MAR-94	MANGANESE		145	mg/kg	1
LWDS-05-BH12	35	21-MAR-94	MERCURY		0.097	mg/kg	0.1
LWDS-05-BH12	35	21-MAR-94	NICKEL		5.7	mg/kg	4
LWDS-05-BH12	35	21-MAR-94	POTASSIUM		499	mg/kg	500
LWDS-05-BH12	35	21-MAR-94	POTASSIUM-40		14	pCi/g	0.74
LWDS-05-BH12	35	21-MAR-94	RADIUM-226		0.68	pCi/g	0.16
LWDS-05-BH12	35	21-MAR-94	RADIUM-228		0.67	pCi/g	0.46
LWDS-05-BH12	35	21-MAR-94	THALLIUM-208		0.75	pCi/g	0.22
LWDS-05-BH12	35	21-MAR-94	THORIUM-228		0.81	pCi/g	0.24
'DS-05-BH12	35	21-MAR-94	THORIUM-232		0.67	pCi/g	0.46
₩DS-05-BH12	35	21-MAR-94	VANADIUM		10.7	mg/kg	1

Sample Name	Depth	Sample Date	Analyte	QC flag	Amount Detected	Units	Detection li
LWDS-05-BH12	35	21-MAR-94	ZINC	B	18.3	mg/kg	2
LWDS-05-BH12	37.5	21-MAR-94	ACETONE	B	56	ug/kg	10
LWDS-05-BH12	37.5	21-MAR-94	ACTINIUM-228		0.65	pCi/g	0.34
LWDS-05-BH12	37.5	21-MAR-94	ALUMINUM		3340	mg/kg	10
LWDS-05-BH12	37.5	21-MAR-94	ARSENIC		1.4	mg/kg	0.5
LWDS-05-BH12	37.5	21-MAR-94	BARIUM		172	mg/kg	1
LWDS-05-BH12	37.5	21-MAR-94	BERYLLIUM		0.14	mg/kg	0.2
LWDS-05-BH12	37.5	21-MAR-94	BIS(2-ETHYLHEXYL)PHTHALATE		1600	ug/kg	330
LWDS-05-BH12	37.5	21-MAR-94	CADMIUM		51.1	mg/kg	0.5
LWDS-05-BH12	37.5	21-MAR-94	CALCIUM	B	46900	mg/kg	20
LWDS-05-BH12	37.5	21-MAR-94	CESIUM-137		0.14	pCi/g	0.091
LWDS-05-BH12	37.5	21-MAR-94	CHROMIUM		28.7	mg/kg	1
LWDS-05-BH12	37.5	21-MAR-94	COBALT		1.9	mg/kg	1
LWDS-05-BH12	37.5	21-MAR-94	COPPER		24.2	mg/kg	2
LWDS-05-BH12	37.5	21-MAR-94	METHYLENE-CHLORIDE	B	2.2	ug/kg	5
LWDS-05-BH12	37.5	21-MAR-94	IRON		6140	mg/kg	10
LWDS-05-BH12	37.5	21-MAR-94	LEAD		14	mg/kg	1
LWDS-05-BH12	37.5	21-MAR-94	LEAD-212		0.67	pCi/g	0.1
LWDS-05-BH12	37.5	21-MAR-94	LEAD-214		0.71	pCi/g	0.16
LWDS-05-BH12	37.5	21-MAR-94	MAGNESIUM		2710	mg/kg	20
LWDS-05-BH12	37.5	21-MAR-94	MANGANESE		175	mg/kg	1
LWDS-05-BH12	37.5	21-MAR-94	MERCURY		0.85	mg/kg	0.1
LWDS-05-BH12	37.5	21-MAR-94	NICKEL		7.1	mg/kg	4
LWDS-05-BH12	37.5	21-MAR-94	POTASSIUM		403	mg/kg	500
LWDS-05-BH12	37.5	21-MAR-94	POTASSIUM-40		12	pCi/g	0.88
LWDS-05-BH12	37.5	21-MAR-94	RADIUM-226		0.66	pCi/g	0.14
LWDS-05-BH12	37.5	21-MAR-94	RADIUM-228		0.65	pCi/g	0.34
LWDS-05-BH12	37.5	21-MAR-94	THALLIUM-208		0.65	pCi/g	0.25
LWDS-05-BH12	37.5	21-MAR-94	THORIUM-228		0.7	pCi/g	0.27
LWDS-05-BH12	37.5	21-MAR-94	THORIUM-232		0.65	pCi/g	0.34
LWDS-05-BH12	37.5	21-MAR-94	VANADIUM		8.7	mg/kg	1
LWDS-05-BH12	37.5	21-MAR-94	ZINC	B	67.3	mg/kg	2
LWDS-05-BH12	40	21-MAR-94	2-BUTANONE		5.6	ug/kg	10
LWDS-05-BH12	40	21-MAR-94	ACETONE	B	96	ug/kg	10
LWDS-05-BH12	40	21-MAR-94	ACTINIUM-228		0.55	pCi/g	0.38
LWDS-05-BH12	40	21-MAR-94	ALUMINUM		3560	mg/kg	10
LWDS-05-BH12	40	21-MAR-94	ANTIMONY		6.6	mg/kg	6
LWDS-05-BH12	40	21-MAR-94	ARSENIC		2	mg/kg	0.5
LWDS-05-BH12	40	21-MAR-94	BARIUM		73.5	mg/kg	1
LWDS-05-BH12	40	21-MAR-94	BERYLLIUM		0.14	mg/kg	0.2
LWDS-05-BH12	40	21-MAR-94	BIS(2-ETHYLHEXYL)PHTHALATE		1000	ug/kg	330
LWDS-05-BH12	40	21-MAR-94	CADMIUM		22.5	mg/kg	0.5
LWDS-05-BH12	40	21-MAR-94	CALCIUM	B	29300	mg/kg	20
LWDS-05-BH12	40	21-MAR-94	CESIUM-137		0.12	pCi/g	0.1
LWDS-05-BH12	40	21-MAR-94	CHROMIUM		20.9	mg/kg	1
LWDS-05-BH12	40	21-MAR-94	COBALT		2.8	mg/kg	1
LWDS-05-BH12	40	21-MAR-94	COPPER		16.5	mg/kg	2
LWDS-05-BH12	40	21-MAR-94	METHYLENE-CHLORIDE	B	2.7	ug/kg	5
LWDS-05-BH12	40	21-MAR-94	IRON		8400	mg/kg	10
LWDS-05-BH12	40	21-MAR-94	LEAD		10	mg/kg	1

..nple Name	Depth	Sample Date	Analyte	QC flag	Amount Detected	Units	Detection limit
_WDS-05-BH12	40	21-MAR-94	LEAD-212		0.57	pCi/g	0.12
LWDS-05-BH12	40	21-MAR-94	LEAD-214		0.83	pCi/g	0.21
LWDS-05-BH12	40	21-MAR-94	MAGNESIUM		2260	mg/kg	20
LWDS-05-BH12	40	21-MAR-94	MANGANESE		136	mg/kg	1
LWDS-05-BH12	40	21-MAR-94	MERCURY		0.21	mg/kg	0.1
LWDS-05-BH12	40	21-MAR-94	NICKEL		7.1	mg/kg	4
LWDS-05-BH12	40	21-MAR-94	POTASSIUM		548	mg/kg	500
LWDS-05-BH12	40	21-MAR-94	POTASSIUM-40		12	pCi/g	0.83
LWDS-05-BH12	40	21-MAR-94	RADIUM-226		0.77	pCi/g	0.14
LWDS-05-BH12	40	21-MAR-94	RADIUM-228		0.55	pCi/g	0.38
LWDS-05-BH12	40	21-MAR-94	THALLIUM-208		0.64	pCi/g	0.21
LWDS-05-BH12	40	21-MAR-94	THORIUM-228		0.69	pCi/g	0.23
LWDS-05-BH12	40	21-MAR-94	THORIUM-232		0.55	pCi/g	0.38
LWDS-05-BH12	40	21-MAR-94	VANADIUM		10.9	mg/kg	1
LWDS-05-BH12	40	21-MAR-94	ZINC	B	36.3	mg/kg	2
LWDS-05-BH12	45	21-MAR-94	ACETONE	B	32	ug/kg	10
LWDS-05-BH12	45	21-MAR-94	ACTINIUM-228		0.9	pCi/g	0.4
LWDS-05-BH12	45	21-MAR-94	ALUMINUM		2920	mg/kg	10
LWDS-05-BH12	45	21-MAR-94	ARSENIC		1.5	mg/kg	0.5
LWDS-05-BH12	45	21-MAR-94	BARIUM		59.7	mg/kg	1
LWDS-05-BH12	45	21-MAR-94	BIS(2-ETHYLHEXYL)PHTHALATE		120	ug/kg	330
LWDS-05-BH12	45	21-MAR-94	CADMIUM		5.3	mg/kg	0.5
LWDS-05-BH12	45	21-MAR-94	CALCIUM	B	17100	mg/kg	20
'DS-05-BH12	45	21-MAR-94	CHROMIUM		5.8	mg/kg	1
₄VDS-05-BH12	45	21-MAR-94	COBALT		1.8	mg/kg	1
LWDS-05-BH12	45	21-MAR-94	COPPER		6.6	mg/kg	2
LWDS-05-BH12	45	21-MAR-94	METHYLENE-CHLORIDE	B	2.6	ug/kg	5
LWDS-05-BH12	45	21-MAR-94	IRON		5720	mg/kg	10
LWDS-05-BH12	45	21-MAR-94	LEAD		3.7	mg/kg	0.5
LWDS-05-BH12	45	21-MAR-94	LEAD-212		0.77	pCi/g	0.15
LWDS-05-BH12	45	21-MAR-94	LEAD-214		0.77	pCi/g	0.19
LWDS-05-BH12	45	21-MAR-94	MAGNESIUM		1750	mg/kg	20
LWDS-05-BH12	45	21-MAR-94	MANGANESE		94.2	mg/kg	1
LWDS-05-BH12	45	21-MAR-94	MERCURY		0.074	mg/kg	0.1
LWDS-05-BH12	45	21-MAR-94	NICKEL		4.5	mg/kg	4
LWDS-05-BH12	45	21-MAR-94	POTASSIUM		499	mg/kg	500
LWDS-05-BH12	45	21-MAR-94	POTASSIUM-40		18	pCi/g	0.66
LWDS-05-BH12	45	21-MAR-94	RADIUM-224		9	pCi/g	1.8
LWDS-05-BH12	45	21-MAR-94	RADIUM-226		0.61	pCi/g	0.19
LWDS-05-BH12	45	21-MAR-94	RADIUM-228		0.9	pCi/g	0.4
LWDS-05-BH12	45	21-MAR-94	THALLIUM-208		0.8	pCi/g	0.23
LWDS-05-BH12	45	21-MAR-94	THORIUM-228		0.86	pCi/g	0.25
LWDS-05-BH12	45	21-MAR-94	THORIUM-232		0.9	pCi/g	0.4
LWDS-05-BH12	45	21-MAR-94	TOLUENE		3.2	ug/kg	5
LWDS-05-BH12	45	21-MAR-94	VANADIUM		8.9	mg/kg	1
LWDS-05-BH12	45	21-MAR-94	ZINC	B	17.5	mg/kg	2
LWDS-05-BH12	50	21-MAR-94	ACETONE	B	13	ug/kg	10
LWDS-05-BH12	50	21-MAR-94	ACTINIUM-228		0.44	pCi/g	0.38
'DS-05-BH12	50	21-MAR-94	ALUMINUM		3310	mg/kg	10
₄VDS-05-BH12	50	21-MAR-94	ARSENIC		1.5	mg/kg	0.5

Sample Name	Depth	Sample Date	Analyte	QC flag	Amount Detected	Units	Detection li
LWDS-05-BH12	50	21-MAR-94	BARIUM		41.5	mg/kg	1
LWDS-05-BH12	50	21-MAR-94	BERYLLIUM		0.16	mg/kg	0.2
LWDS-05-BH12	50	21-MAR-94	BIS(2-ETHYLHEXYL)PHTHALATE		46	ug/kg	330
LWDS-05-BH12	50	21-MAR-94	BISMUTH-214		0.47	pCi/g	0.12
LWDS-05-BH12	50	21-MAR-94	CADMIUM		0.41	mg/kg	0.5
LWDS-05-BH12	50	21-MAR-94	CALCIUM	B	43100	mg/kg	20
LWDS-05-BH12	50	21-MAR-94	CHROMIUM		3.6	mg/kg	1
LWDS-05-BH12	50	21-MAR-94	COBALT		2.6	mg/kg	1
LWDS-05-BH12	50	21-MAR-94	COPPER		5.5	mg/kg	2
LWDS-05-BH12	50	21-MAR-94	METHYLENE-CHLORIDE	B	1.8	ug/kg	5
LWDS-05-BH12	50	21-MAR-94	IRON		6340	mg/kg	10
LWDS-05-BH12	50	21-MAR-94	LEAD		2.3	mg/kg	0.5
LWDS-05-BH12	50	21-MAR-94	LEAD-212		0.34	pCi/g	0.16
LWDS-05-BH12	50	21-MAR-94	LEAD-214		0.53	pCi/g	0.11
LWDS-05-BH12	50	21-MAR-94	MAGNESIUM		2710	mg/kg	20
LWDS-05-BH12	50	21-MAR-94	MANGANESE		136	mg/kg	1
LWDS-05-BH12	50	21-MAR-94	NICKEL		5.8	mg/kg	4
LWDS-05-BH12	50	21-MAR-94	POTASSIUM		435	mg/kg	500
LWDS-05-BH12	50	21-MAR-94	POTASSIUM-40		16	pCi/g	0.31
LWDS-05-BH12	50	21-MAR-94	RADIUM-226		0.46	pCi/g	0.11
LWDS-05-BH12	50	21-MAR-94	RADIUM-228		0.44	pCi/g	0.38
LWDS-05-BH12	50	21-MAR-94	THALLIUM		0.14	mg/kg	0.5
LWDS-05-BH12	50	21-MAR-94	THALLIUM-208		0.53	pCi/g	0.19
LWDS-05-BH12	50	21-MAR-94	THORIUM-228		0.58	pCi/g	0.21
LWDS-05-BH12	50	21-MAR-94	THORIUM-232		0.44	pCi/g	0.38
LWDS-05-BH12	50	21-MAR-94	VANADIUM		12.2	mg/kg	1
LWDS-05-BH12	50	21-MAR-94	ZINC	B	18.4	mg/kg	2
LWDS-05-BH12	55	21-MAR-94	ACETONE		25	ug/kg	10
LWDS-05-BH12	55	21-MAR-94	ACETONE	B	23	ug/kg	10
LWDS-05-BH12	55	21-MAR-94	ACTINIUM-228		0.43	pCi/g	0.35
LWDS-05-BH12	55	21-MAR-94	ACTINIUM-228		0.45	pCi/g	0.22
LWDS-05-BH12	55	21-MAR-94	ALUMINUM		3490	mg/kg	10
LWDS-05-BH12	55	21-MAR-94	ALUMINUM		2920	mg/kg	10
LWDS-05-BH12	55	21-MAR-94	ARSENIC		1.6	mg/kg	0.5
LWDS-05-BH12	55	21-MAR-94	ARSENIC		1.7	mg/kg	0.5
LWDS-05-BH12	55	21-MAR-94	BARIUM		47.3	mg/kg	1
LWDS-05-BH12	55	21-MAR-94	BARIUM		40.7	mg/kg	1
LWDS-05-BH12	55	21-MAR-94	BERYLLIUM		0.21	mg/kg	0.2
LWDS-05-BH12	55	21-MAR-94	BERYLLIUM		0.13	mg/kg	0.2
LWDS-05-BH12	55	21-MAR-94	BIS(2-ETHYLHEXYL)PHTHALATE	D	220	ug/kg	330
LWDS-05-BH12	55	21-MAR-94	BIS(2-ETHYLHEXYL)PHTHALATE	D	420	ug/kg	330
LWDS-05-BH12	55	21-MAR-94	CADMIUM	D	3	mg/kg	0.5
LWDS-05-BH12	55	21-MAR-94	CADMIUM	D	0.4	mg/kg	0.5
LWDS-05-BH12	55	21-MAR-94	CALCIUM		28700	mg/kg	20
LWDS-05-BH12	55	21-MAR-94	CALCIUM	B	28800	mg/kg	20
LWDS-05-BH12	55	21-MAR-94	CHROMIUM	D	7.4	mg/kg	1
LWDS-05-BH12	55	21-MAR-94	CHROMIUM	D	2.6	mg/kg	1
LWDS-05-BH12	55	21-MAR-94	COBALT		2.7	mg/kg	1
LWDS-05-BH12	55	21-MAR-94	COBALT		2.1	mg/kg	1
LWDS-05-BH12	55	21-MAR-94	COPPER	D	7.8	mg/kg	2

..mple Name	Depth	Sample Date	Analyte	QC flag	Amount Detected	Units	Detection limit
.WDS-05-BH12	55	21-MAR-94	COPPER	D	3.3	mg/kg	2
LWDS-05-BH12	55	21-MAR-94	METHYLENE-CHLORIDE		2	ug/kg	5
LWDS-05-BH12	55	21-MAR-94	METHYLENE-CHLORIDE	B	2.8	ug/kg	5
LWDS-05-BH12	55	21-MAR-94	IRON	D	8800	mg/kg	10
LWDS-05-BH12	55	21-MAR-94	IRON	D	4730	mg/kg	10
LWDS-05-BH12	55	21-MAR-94	LEAD		3.2	mg/kg	0.5
LWDS-05-BH12	55	21-MAR-94	LEAD		2.4	mg/kg	0.5
LWDS-05-BH12	55	21-MAR-94	LEAD-212		0.4	pCi/g	0.088
LWDS-05-BH12	55	21-MAR-94	LEAD-212		0.4	pCi/g	0.077
LWDS-05-BH12	55	21-MAR-94	LEAD-214		0.54	pCi/g	0.12
LWDS-05-BH12	55	21-MAR-94	LEAD-214		0.42	pCi/g	0.12
LWDS-05-BH12	55	21-MAR-94	MAGNESIUM		2230	mg/kg	20
LWDS-05-BH12	55	21-MAR-94	MAGNESIUM		1580	mg/kg	20
LWDS-05-BH12	55	21-MAR-94	MANGANESE	D	185	mg/kg	1
LWDS-05-BH12	55	21-MAR-94	MANGANESE	D	75.9	mg/kg	1
LWDS-05-BH12	55	21-MAR-94	NICKEL	D	7.1	mg/kg	4
LWDS-05-BH12	55	21-MAR-94	NICKEL	D	3.9	mg/kg	4
LWDS-05-BH12	55	21-MAR-94	POTASSIUM		456	mg/kg	500
LWDS-05-BH12	55	21-MAR-94	POTASSIUM		457	mg/kg	500
LWDS-05-BH12	55	21-MAR-94	POTASSIUM-40		11	pCi/g	0.62
LWDS-05-BH12	55	21-MAR-94	POTASSIUM-40		12	pCi/g	0.66
LWDS-05-BH12	55	21-MAR-94	RADIUM-226		0.45	pCi/g	0.079
LWDS-05-BH12	55	21-MAR-94	RADIUM-226		0.42	pCi/g	0.1
'DS-05-BH12	55	21-MAR-94	RADIUM-228		0.43	pCi/g	0.35
.VDS-05-BH12	55	21-MAR-94	RADIUM-228		0.45	pCi/g	0.22
LWDS-05-BH12	55	21-MAR-94	THALLIUM-208	D	0.44	pCi/g	0.22
LWDS-05-BH12	55	21-MAR-94	THALLIUM-208	D	0.2	pCi/g	0.16
LWDS-05-BH12	55	21-MAR-94	THORIUM-228	D	0.48	pCi/g	0.23
LWDS-05-BH12	55	21-MAR-94	THORIUM-228	D	0.22	pCi/g	0.18
LWDS-05-BH12	55	21-MAR-94	THORIUM-232		0.43	pCi/g	0.35
LWDS-05-BH12	55	21-MAR-94	THORIUM-232		0.45	pCi/g	0.22
LWDS-05-BH12	55	21-MAR-94	TOLUENE		1.9	ug/kg	5
LWDS-05-BH12	55	21-MAR-94	TOLUENE		1.2	ug/kg	5
LWDS-05-BH12	55	21-MAR-94	VANADIUM		12.1	mg/kg	1
LWDS-05-BH12	55	21-MAR-94	VANADIUM		9.3	mg/kg	1
LWDS-05-BH12	55	21-MAR-94	ZINC	D	22.7	mg/kg	2
LWDS-05-BH12	55	21-MAR-94	ZINC	D/B	11.6	mg/kg	2
LWDS-05-BH13	25	22-MAR-94	ACTINIUM-228		0.54	pCi/g	0.32
LWDS-05-BH13	25	22-MAR-94	ALUMINUM		5790	mg/kg	10
LWDS-05-BH13	25	22-MAR-94	ARSENIC		2.1	mg/kg	0.5
LWDS-05-BH13	25	22-MAR-94	BARIUM		50.1	mg/kg	1
LWDS-05-BH13	25	22-MAR-94	BERYLLIUM		0.38	mg/kg	0.2
LWDS-05-BH13	25	22-MAR-94	BIS(2-ETHYLHEXYL)PHTHALATE		110	ug/kg	330
LWDS-05-BH13	25	22-MAR-94	BISMUTH-214		0.81	pCi/g	0.16
LWDS-05-BH13	25	22-MAR-94	CALCIUM		41100	mg/kg	20
LWDS-05-BH13	25	22-MAR-94	CHROMIUM		7.7	mg/kg	1
LWDS-05-BH13	25	22-MAR-94	COBALT		4.7	mg/kg	1
LWDS-05-BH13	25	22-MAR-94	COPPER		7.6	mg/kg	2
'DS-05-BH13	25	22-MAR-94	METHYLENE-CHLORIDE	B	2.6	ug/kg	5
.VDS-05-BH13	25	22-MAR-94	IRON		12500	mg/kg	10

Sample Name	Depth	Sample Date	Analyte	QC flag	Amount Detected	Units	Detection lim
LWDS-05-BH13	25	22-MAR-94	LEAD		4.2	mg/kg	0.5
LWDS-05-BH13	25	22-MAR-94	LEAD-212		0.78	pCi/g	0.11
LWDS-05-BH13	25	22-MAR-94	LEAD-214		0.77	pCi/g	0.13
LWDS-05-BH13	25	22-MAR-94	MAGNESIUM		3580	mg/kg	20
LWDS-05-BH13	25	22-MAR-94	MANGANESE		219	mg/kg	1
LWDS-05-BH13	25	22-MAR-94	NICKEL		7.8	mg/kg	4
LWDS-05-BH13	25	22-MAR-94	POTASSIUM		791	mg/kg	500
LWDS-05-BH13	25	22-MAR-94	POTASSIUM-40		14	pCi/g	0.75
LWDS-05-BH13	25	22-MAR-94	RADIUM-226		0.79	pCi/g	0.15
LWDS-05-BH13	25	22-MAR-94	RADIUM-228		0.54	pCi/g	0.32
LWDS-05-BH13	25	22-MAR-94	THALLIUM		0.17	mg/kg	0.5
LWDS-05-BH13	25	22-MAR-94	THALLIUM-208		0.74	pCi/g	0.26
LWDS-05-BH13	25	22-MAR-94	THORIUM-228		0.8	pCi/g	0.28
LWDS-05-BH13	25	22-MAR-94	THORIUM-232		0.54	pCi/g	0.32
LWDS-05-BH13	25	22-MAR-94	VANADIUM		22.5	mg/kg	1
LWDS-05-BH13	25	22-MAR-94	ZINC		28.6	mg/kg	2
LWDS-05-BH13	30	22-MAR-94	ACETONE	B	8.9	ug/kg	10
LWDS-05-BH13	30	22-MAR-94	ACTINIUM-228		0.36	pCi/g	0.28
LWDS-05-BH13	30	22-MAR-94	ALUMINUM		3880	mg/kg	10
LWDS-05-BH13	30	22-MAR-94	ARSENIC		1.9	mg/kg	0.5
LWDS-05-BH13	30	22-MAR-94	BARIUM		59.8	mg/kg	1
LWDS-05-BH13	30	22-MAR-94	BERYLLIUM		0.26	mg/kg	0.2
LWDS-05-BH13	30	22-MAR-94	BIS(2-ETHYLHEXYL)PHTHALATE		44	ug/kg	330
LWDS-05-BH13	30	22-MAR-94	CALCIUM		50300	mg/kg	20
LWDS-05-BH13	30	22-MAR-94	CHROMIUM		6.7	mg/kg	1
LWDS-05-BH13	30	22-MAR-94	COBALT		3.3	mg/kg	1
LWDS-05-BH13	30	22-MAR-94	COPPER		9	mg/kg	2
LWDS-05-BH13	30	22-MAR-94	METHYLENE-CHLORIDE	B	2.5	ug/kg	5
LWDS-05-BH13	30	22-MAR-94	IRON		9230	mg/kg	10
LWDS-05-BH13	30	22-MAR-94	LEAD		3.7	mg/kg	0.5
LWDS-05-BH13	30	22-MAR-94	LEAD-212		0.55	pCi/g	0.085
LWDS-05-BH13	30	22-MAR-94	LEAD-214		0.57	pCi/g	0.11
LWDS-05-BH13	30	22-MAR-94	MAGNESIUM		2810	mg/kg	20
LWDS-05-BH13	30	22-MAR-94	MANGANESE		168	mg/kg	1
LWDS-05-BH13	30	22-MAR-94	NICKEL		7.9	mg/kg	4
LWDS-05-BH13	30	22-MAR-94	POTASSIUM		411	mg/kg	500
LWDS-05-BH13	30	22-MAR-94	POTASSIUM-40		12	pCi/g	0.69
LWDS-05-BH13	30	22-MAR-94	RADIUM-226		0.47	pCi/g	0.13
LWDS-05-BH13	30	22-MAR-94	RADIUM-228		0.36	pCi/g	0.28
LWDS-05-BH13	30	22-MAR-94	THALLIUM-208		0.55	pCi/g	0.25
LWDS-05-BH13	30	22-MAR-94	THORIUM-228		0.6	pCi/g	0.27
LWDS-05-BH13	30	22-MAR-94	THORIUM-232		0.36	pCi/g	0.28
LWDS-05-BH13	30	22-MAR-94	VANADIUM		17.1	mg/kg	1
LWDS-05-BH13	30	22-MAR-94	ZINC		20	mg/kg	2
LWDS-05-BH13	32.5	22-MAR-94	ACETONE	B	9.5	ug/kg	10
LWDS-05-BH13	32.5	22-MAR-94	ACTINIUM-228		0.42	pCi/g	0.24
LWDS-05-BH13	32.5	22-MAR-94	ALUMINUM		4960	mg/kg	10
LWDS-05-BH13	32.5	22-MAR-94	ARSENIC		2.3	mg/kg	0.5
LWDS-05-BH13	32.5	22-MAR-94	BARIUM		83.3	mg/kg	1
LWDS-05-BH13	32.5	22-MAR-94	BERYLLIUM		0.39	mg/kg	0.2

...mple Name	Depth	Sample Date	Analyte	QC flag	Amount Detected	Units	Detection limit
.WDS-05-BH13	32.5	22-MAR-94	BIS(2-ETHYLHEXYL)PHTHALATE		340	ug/kg	330
LWDS-05-BH13	32.5	22-MAR-94	CALCIUM		52600	mg/kg	20
LWDS-05-BH13	32.5	22-MAR-94	CHROMIUM		7.7	mg/kg	1
LWDS-05-BH13	32.5	22-MAR-94	COBALT		4.2	mg/kg	1
LWDS-05-BH13	32.5	22-MAR-94	COPPER		7.9	mg/kg	2
LWDS-05-BH13	32.5	22-MAR-94	METHYLENE-CHLORIDE	B	2.3	ug/kg	5
LWDS-05-BH13	32.5	22-MAR-94	IRON		12000	mg/kg	10
LWDS-05-BH13	32.5	22-MAR-94	LEAD		4.5	mg/kg	0.5
LWDS-05-BH13	32.5	22-MAR-94	LEAD-212		0.5	pCi/g	0.084
LWDS-05-BH13	32.5	22-MAR-94	LEAD-214		0.62	pCi/g	0.12
LWDS-05-BH13	32.5	22-MAR-94	MAGNESIUM		3300	mg/kg	20
LWDS-05-BH13	32.5	22-MAR-94	MANGANESE		199	mg/kg	1
LWDS-05-BH13	32.5	22-MAR-94	NICKEL		7.8	mg/kg	4
LWDS-05-BH13	32.5	22-MAR-94	POTASSIUM		797	mg/kg	500
LWDS-05-BH13	32.5	22-MAR-94	POTASSIUM-40		13	pCi/g	0.67
LWDS-05-BH13	32.5	22-MAR-94	RADIUM-226		0.54	pCi/g	0.11
LWDS-05-BH13	32.5	22-MAR-94	RADIUM-228		0.42	pCi/g	0.24
LWDS-05-BH13	32.5	22-MAR-94	THALLIUM-208		0.45	pCi/g	0.2
LWDS-05-BH13	32.5	22-MAR-94	THORIUM-228		0.49	pCi/g	0.22
LWDS-05-BH13	32.5	22-MAR-94	THORIUM-232		0.42	pCi/g	0.24
LWDS-05-BH13	32.5	22-MAR-94	VANADIUM		21.4	mg/kg	1
LWDS-05-BH13	32.5	22-MAR-94	ZINC		27.4	mg/kg	2
LWDS-05-BH13	35	22-MAR-94	ACETONE	B	34	ug/kg	10
'DS-05-BH13	35	22-MAR-94	ACTINIUM-228		0.5	pCi/g	0.27
vVDS-05-BH13	35	22-MAR-94	ALUMINUM		4110	mg/kg	10
_WDS-05-BH13	35	22-MAR-94	ARSENIC		2.3	mg/kg	0.5
LWDS-05-BH13	35	22-MAR-94	BARIUM		59.8	mg/kg	1
LWDS-05-BH13	35	22-MAR-94	BERYLLIUM		0.37	mg/kg	0.2
LWDS-05-BH13	35	22-MAR-94	BIS(2-ETHYLHEXYL)PHTHALATE		1100	ug/kg	330
LWDS-05-BH13	35	22-MAR-94	CALCIUM		54200	mg/kg	20
LWDS-05-BH13	35	22-MAR-94	CHROMIUM		6.7	mg/kg	1
LWDS-05-BH13	35	22-MAR-94	COBALT		3.9	mg/kg	1
LWDS-05-BH13	35	22-MAR-94	COPPER		6.3	mg/kg	2
LWDS-05-BH13	35	22-MAR-94	METHYLENE-CHLORIDE	B	3.3	ug/kg	5
LWDS-05-BH13	35	22-MAR-94	IRON		10400	mg/kg	10
LWDS-05-BH13	35	22-MAR-94	LEAD		3.3	mg/kg	0.5
LWDS-05-BH13	35	22-MAR-94	LEAD-212		0.51	pCi/g	0.091
LWDS-05-BH13	35	22-MAR-94	LEAD-214		0.57	pCi/g	0.15
LWDS-05-BH13	35	22-MAR-94	MAGNESIUM		2770	mg/kg	20
LWDS-05-BH13	35	22-MAR-94	MANGANESE		198	mg/kg	1
LWDS-05-BH13	35	22-MAR-94	NICKEL		7.8	mg/kg	4
LWDS-05-BH13	35	22-MAR-94	POTASSIUM		458	mg/kg	500
LWDS-05-BH13	35	22-MAR-94	POTASSIUM-40		12	pCi/g	0.59
LWDS-05-BH13	35	22-MAR-94	RADIUM-226		0.54	pCi/g	0.13
LWDS-05-BH13	35	22-MAR-94	RADIUM-228		0.5	pCi/g	0.27
LWDS-05-BH13	35	22-MAR-94	THALLIUM-208		0.61	pCi/g	0.2
LWDS-05-BH13	35	22-MAR-94	THORIUM-228		0.65	pCi/g	0.22
LWDS-05-BH13	35	22-MAR-94	THORIUM-232		0.5	pCi/g	0.27
'DS-05-BH13	35	22-MAR-94	TOLUENE		1.2	ug/kg	5
vVDS-05-BH13	35	22-MAR-94	VANADIUM		17	mg/kg	1

Sample Name	Depth	Sample Date	Analyte	QC flag	Amount Detected	Units	Detection lim
LWDS-05-BH13	35	22-MAR-94	ZINC		30.2	mg/kg	2
LWDS-05-BH13	37.5	22-MAR-94	ACETONE	B	12	ug/kg	10
LWDS-05-BH13	37.5	22-MAR-94	ACTINIUM-228		0.34	pCi/g	0.26
LWDS-05-BH13	37.5	22-MAR-94	ALUMINUM		3650	mg/kg	10
LWDS-05-BH13	37.5	22-MAR-94	ARSENIC		1.4	mg/kg	0.5
LWDS-05-BH13	37.5	22-MAR-94	BARIUM		33.4	mg/kg	1
LWDS-05-BH13	37.5	22-MAR-94	BERYLLIUM		0.28	mg/kg	0.2
LWDS-05-BH13	37.5	22-MAR-94	BISMUTH-214		0.43	pCi/g	0.15
LWDS-05-BH13	37.5	22-MAR-94	CALCIUM		46200	mg/kg	20
LWDS-05-BH13	37.5	22-MAR-94	CHROMIUM		5.9	mg/kg	1
LWDS-05-BH13	37.5	22-MAR-94	COBALT		4	mg/kg	1
LWDS-05-BH13	37.5	22-MAR-94	COPPER		10.9	mg/kg	2
LWDS-05-BH13	37.5	22-MAR-94	METHYLENE-CHLORIDE	B	2.8	ug/kg	5
LWDS-05-BH13	37.5	22-MAR-94	IRON		8600	mg/kg	10
LWDS-05-BH13	37.5	22-MAR-94	LEAD		3.1	mg/kg	0.5
LWDS-05-BH13	37.5	22-MAR-94	LEAD-212		0.41	pCi/g	0.065
LWDS-05-BH13	37.5	22-MAR-94	LEAD-214		0.41	pCi/g	0.14
LWDS-05-BH13	37.5	22-MAR-94	MAGNESIUM		2990	mg/kg	20
LWDS-05-BH13	37.5	22-MAR-94	MANGANESE		153	mg/kg	1
LWDS-05-BH13	37.5	22-MAR-94	NICKEL		7.7	mg/kg	4
LWDS-05-BH13	37.5	22-MAR-94	POTASSIUM		405	mg/kg	500
LWDS-05-BH13	37.5	22-MAR-94	POTASSIUM-40		13	pCi/g	0.51
LWDS-05-BH13	37.5	22-MAR-94	RADIUM-226		0.42	pCi/g	0.14
LWDS-05-BH13	37.5	22-MAR-94	RADIUM-228		0.34	pCi/g	0.26
LWDS-05-BH13	37.5	22-MAR-94	THALLIUM-208		0.43	pCi/g	0.2
LWDS-05-BH13	37.5	22-MAR-94	THORIUM-228		0.46	pCi/g	0.22
LWDS-05-BH13	37.5	22-MAR-94	THORIUM-232		0.34	pCi/g	0.26
LWDS-05-BH13	37.5	22-MAR-94	VANADIUM		15.1	mg/kg	1
LWDS-05-BH13	37.5	22-MAR-94	ZINC		21.1	mg/kg	2
LWDS-05-BH13	40	22-MAR-94	ACETONE	B	13	ug/kg	10
LWDS-05-BH13	40	22-MAR-94	ACTINIUM-228		0.42	pCi/g	0.35
LWDS-05-BH13	40	22-MAR-94	ALUMINUM		3130	mg/kg	10
LWDS-05-BH13	40	22-MAR-94	ARSENIC		1.6	mg/kg	0.5
LWDS-05-BH13	40	22-MAR-94	BARIUM		54.4	mg/kg	1
LWDS-05-BH13	40	22-MAR-94	BERYLLIUM		0.27	mg/kg	0.2
LWDS-05-BH13	40	22-MAR-94	BIS(2-ETHYLHEXYL)PHTHALATE		850	ug/kg	330
LWDS-05-BH13	40	22-MAR-94	CALCIUM		48900	mg/kg	20
LWDS-05-BH13	40	22-MAR-94	CHROMIUM		6.5	mg/kg	1
LWDS-05-BH13	40	22-MAR-94	COBALT		3.1	mg/kg	1
LWDS-05-BH13	40	22-MAR-94	COPPER		7.9	mg/kg	2
LWDS-05-BH13	40	22-MAR-94	METHYLENE-CHLORIDE	B	8.4	ug/kg	5
LWDS-05-BH13	40	22-MAR-94	IRON		8430	mg/kg	10
LWDS-05-BH13	40	22-MAR-94	LEAD		3.5	mg/kg	0.5
LWDS-05-BH13	40	22-MAR-94	LEAD-212		0.5	pCi/g	0.086
LWDS-05-BH13	40	22-MAR-94	LEAD-214		0.6	pCi/g	0.14
LWDS-05-BH13	40	22-MAR-94	MAGNESIUM		2270	mg/kg	20
LWDS-05-BH13	40	22-MAR-94	MANGANESE		157	mg/kg	1
LWDS-05-BH13	40	22-MAR-94	NICKEL		5.9	mg/kg	4
LWDS-05-BH13	40	22-MAR-94	POTASSIUM		462	mg/kg	500
LWDS-05-BH13	40	22-MAR-94	POTASSIUM-40		14	pCi/g	0.75

...mple Name	Depth	Sample Date	Analyte	QC flag	Amount Detected	Units	Detection limit
...WDS-05-BH13	40	22-MAR-94	RADIUM-226		0.52	pCi/g	0.13
LWDS-05-BH13	40	22-MAR-94	RADIUM-228		0.42	pCi/g	0.35
LWDS-05-BH13	40	22-MAR-94	THALLIUM-208		0.48	pCi/g	0.21
LWDS-05-BH13	40	22-MAR-94	THORIUM-228		0.51	pCi/g	0.22
LWDS-05-BH13	40	22-MAR-94	THORIUM-232		0.42	pCi/g	0.35
LWDS-05-BH13	40	22-MAR-94	VANADIUM		12.9	mg/kg	1
LWDS-05-BH13	40	22-MAR-94	ZINC		17.5	mg/kg	2
LWDS-05-BH13	45	22-MAR-94	ACETONE	B	130	ug/kg	10
LWDS-05-BH13	45	22-MAR-94	ACTINIUM-228		0.36	pCi/g	0.25
LWDS-05-BH13	45	22-MAR-94	ALUMINUM		2560	mg/kg	10
LWDS-05-BH13	45	22-MAR-94	ARSENIC		2	mg/kg	0.5
LWDS-05-BH13	45	22-MAR-94	BARIUM		99.2	mg/kg	1
LWDS-05-BH13	45	22-MAR-94	BIS(2-ETHYLHEXYL)PHTHALATE		680	ug/kg	330
LWDS-05-BH13	45	22-MAR-94	CALCIUM		69300	mg/kg	20
LWDS-05-BH13	45	22-MAR-94	CHROMIUM		4.6	mg/kg	1
LWDS-05-BH13	45	22-MAR-94	COBALT		2.4	mg/kg	1
LWDS-05-BH13	45	22-MAR-94	COPPER		5.8	mg/kg	2
LWDS-05-BH13	45	22-MAR-94	METHYLENE-CHLORIDE	B	9.4	ug/kg	5
LWDS-05-BH13	45	22-MAR-94	IRON		7030	mg/kg	10
LWDS-05-BH13	45	22-MAR-94	LEAD		3.7	mg/kg	0.5
LWDS-05-BH13	45	22-MAR-94	LEAD-212		0.47	pCi/g	0.094
LWDS-05-BH13	45	22-MAR-94	LEAD-214		0.56	pCi/g	0.12
LWDS-05-BH13	45	22-MAR-94	MAGNESIUM		2030	mg/kg	20
'DS-05-BH13	45	22-MAR-94	MANGANESE		165	mg/kg	1
...DS-05-BH13	45	22-MAR-94	NICKEL		4.7	mg/kg	4
...WDS-05-BH13	45	22-MAR-94	POTASSIUM		305	mg/kg	500
LWDS-05-BH13	45	22-MAR-94	POTASSIUM-40		14	pCi/g	0.45
LWDS-05-BH13	45	22-MAR-94	RADIUM-226		0.48	pCi/g	0.098
LWDS-05-BH13	45	22-MAR-94	RADIUM-228		0.36	pCi/g	0.25
LWDS-05-BH13	45	22-MAR-94	THALLIUM-208		0.58	pCi/g	0.25
LWDS-05-BH13	45	22-MAR-94	THORIUM-228		0.62	pCi/g	0.27
LWDS-05-BH13	45	22-MAR-94	THORIUM-232		0.36	pCi/g	0.25
LWDS-05-BH13	45	22-MAR-94	VANADIUM		9.9	mg/kg	1
LWDS-05-BH13	45	22-MAR-94	ZINC		30.1	mg/kg	2
LWDS-05-BH13	50	22-MAR-94	ACETONE	D	23	ug/kg	10
LWDS-05-BH13	50	22-MAR-94	ACTINIUM-228		0.54	pCi/g	0.29
LWDS-05-BH13	50	22-MAR-94	ALUMINUM		4220	mg/kg	10
LWDS-05-BH13	50	22-MAR-94	ALUMINUM		4800	mg/kg	10
LWDS-05-BH13	50	22-MAR-94	ARSENIC		2.3	mg/kg	0.5
LWDS-05-BH13	50	22-MAR-94	ARSENIC		1.7	mg/kg	0.5
LWDS-05-BH13	50	22-MAR-94	BARIUM		67.6	mg/kg	1
LWDS-05-BH13	50	22-MAR-94	BARIUM		49.7	mg/kg	1
LWDS-05-BH13	50	22-MAR-94	BERYLLIUM		0.28	mg/kg	0.2
LWDS-05-BH13	50	22-MAR-94	BERYLLIUM		0.29	mg/kg	0.2
LWDS-05-BH13	50	22-MAR-94	BIS(2-ETHYLHEXYL)PHTHALATE		1100	ug/kg	330
LWDS-05-BH13	50	22-MAR-94	BIS(2-ETHYLHEXYL)PHTHALATE		1600	ug/kg	330
LWDS-05-BH13	50	22-MAR-94	BISMUTH-212		0.87	pCi/g	0.63
LWDS-05-BH13	50	22-MAR-94	CALCIUM		47500	mg/kg	20
'DS-05-BH13	50	22-MAR-94	CALCIUM		52200	mg/kg	20
...DS-05-BH13	50	22-MAR-94	CHROMIUM		10.5	mg/kg	1

Sample Name	Depth	Sample Date	Analyte	QC flag	Amount Detected	Units	Detection lir
LWDS-05-BH13	50	22-MAR-94	CHROMIUM		16	mg/kg	1
LWDS-05-BH13	50	22-MAR-94	COBALT		3.8	mg/kg	1
LWDS-05-BH13	50	22-MAR-94	COBALT		4.4	mg/kg	1
LWDS-05-BH13	50	22-MAR-94	COPPER		9.5	mg/kg	2
LWDS-05-BH13	50	22-MAR-94	COPPER		12.6	mg/kg	2
LWDS-05-BH13	50	22-MAR-94	METHYLENE-CHLORIDE		3.3	ug/kg	5
LWDS-05-BH13	50	22-MAR-94	METHYLENE-CHLORIDE	B	2.5	ug/kg	5
LWDS-05-BH13	50	22-MAR-94	IRON		9080	mg/kg	10
LWDS-05-BH13	50	22-MAR-94	IRON		10500	mg/kg	10
LWDS-05-BH13	50	22-MAR-94	LEAD		2.9	mg/kg	0.5
LWDS-05-BH13	50	22-MAR-94	LEAD		3.8	mg/kg	0.5
LWDS-05-BH13	50	22-MAR-94	LEAD-212		0.48	pCi/g	0.071
LWDS-05-BH13	50	22-MAR-94	LEAD-212		0.35	pCi/g	0.083
LWDS-05-BH13	50	22-MAR-94	LEAD-214		0.36	pCi/g	0.12
LWDS-05-BH13	50	22-MAR-94	LEAD-214		0.43	pCi/g	0.11
LWDS-05-BH13	50	22-MAR-94	MAGNESIUM		2890	mg/kg	20
LWDS-05-BH13	50	22-MAR-94	MAGNESIUM		3600	mg/kg	20
LWDS-05-BH13	50	22-MAR-94	MANGANESE		190	mg/kg	1
LWDS-05-BH13	50	22-MAR-94	MANGANESE		188	mg/kg	1
LWDS-05-BH13	50	22-MAR-94	NICKEL		8.2	mg/kg	4
LWDS-05-BH13	50	22-MAR-94	NICKEL		11.3	mg/kg	4
LWDS-05-BH13	50	22-MAR-94	POTASSIUM		521	mg/kg	500
LWDS-05-BH13	50	22-MAR-94	POTASSIUM		635	mg/kg	500
LWDS-05-BH13	50	22-MAR-94	POTASSIUM-40		14	pCi/g	0.63
LWDS-05-BH13	50	22-MAR-94	POTASSIUM-40		14	pCi/g	0.46
LWDS-05-BH13	50	22-MAR-94	RADIUM-226		0.36	pCi/g	0.14
LWDS-05-BH13	50	22-MAR-94	RADIUM-226		0.29	pCi/g	0.088
LWDS-05-BH13	50	22-MAR-94	RADIUM-228	D	0.54	pCi/g	0.29
LWDS-05-BH13	50	22-MAR-94	RADIUM-228	D	0.076	pCi/g	0.21
LWDS-05-BH13	50	22-MAR-94	THALLIUM-208		0.51	pCi/g	0.14
LWDS-05-BH13	50	22-MAR-94	THALLIUM-208		0.39	pCi/g	0.2
LWDS-05-BH13	50	22-MAR-94	THORIUM-228		0.55	pCi/g	0.15
LWDS-05-BH13	50	22-MAR-94	THORIUM-228		0.42	pCi/g	0.22
LWDS-05-BH13	50	22-MAR-94	THORIUM-232		0.54	pCi/g	0.29
LWDS-05-BH13	50	22-MAR-94	VANADIUM		15.1	mg/kg	1
LWDS-05-BH13	50	22-MAR-94	VANADIUM		17.3	mg/kg	1
LWDS-05-BH13	50	22-MAR-94	ZINC		22.4	mg/kg	2
LWDS-05-BH13	50	22-MAR-94	ZINC		22.4	mg/kg	2
LWDS-05-BH13	55	22-MAR-94	ACETONE	B	19	ug/kg	10
LWDS-05-BH13	55	22-MAR-94	ACTINIUM-228		0.67	pCi/g	0.36
LWDS-05-BH13	55	22-MAR-94	ALUMINUM		1860	mg/kg	20
LWDS-05-BH13	55	22-MAR-94	ARSENIC		1.6	mg/kg	0.5
LWDS-05-BH13	55	22-MAR-94	BARIUM		258	mg/kg	2
LWDS-05-BH13	55	22-MAR-94	BIS(2-ETHYLHEXYL)PHTHALATE		500	ug/kg	330
LWDS-05-BH13	55	22-MAR-94	CALCIUM		97500	mg/kg	40
LWDS-05-BH13	55	22-MAR-94	CHROMIUM		6	mg/kg	2
LWDS-05-BH13	55	22-MAR-94	COBALT		2.3	mg/kg	2
LWDS-05-BH13	55	22-MAR-94	COPPER		4.6	mg/kg	4
LWDS-05-BH13	55	22-MAR-94	METHYLENE-CHLORIDE	B	9.6	ug/kg	5
LWDS-05-BH13	55	22-MAR-94	IRON		3830	mg/kg	20

..mple Name	Depth	Sample Date	Analyte	QC flag	Amount Detected	Units	Detection limit
.WDS-05-BH13	55	22-MAR-94	LEAD		4.6	mg/kg	0.5
LWDS-05-BH13	55	22-MAR-94	LEAD-212		0.57	pCi/g	0.095
LWDS-05-BH13	55	22-MAR-94	LEAD-214		0.62	pCi/g	0.14
LWDS-05-BH13	55	22-MAR-94	MAGNESIUM		1880	mg/kg	40
LWDS-05-BH13	55	22-MAR-94	MANGANESE		126	mg/kg	2
LWDS-05-BH13	55	22-MAR-94	POTASSIUM		286	mg/kg	1000
LWDS-05-BH13	55	22-MAR-94	POTASSIUM-40		13	pCi/g	0.65
LWDS-05-BH13	55	22-MAR-94	RADIUM-226		0.49	pCi/g	0.17
LWDS-05-BH13	55	22-MAR-94	RADIUM-228		0.67	pCi/g	0.36
LWDS-05-BH13	55	22-MAR-94	THALLIUM-208		0.56	pCi/g	0.22
LWDS-05-BH13	55	22-MAR-94	THORIUM-228		0.61	pCi/g	0.24
LWDS-05-BH13	55	22-MAR-94	THORIUM-232		0.67	pCi/g	0.36
LWDS-05-BH13	55	22-MAR-94	VANADIUM		7.8	mg/kg	2
LWDS-05-BH13	55	22-MAR-94	ZINC		10.9	mg/kg	4
LWDS-05-BH14	25	23-MAR-94	ACTINIUM-228		0.67	pCi/g	0.24
LWDS-05-BH14	25	23-MAR-94	ALUMINUM		3340	mg/kg	10
LWDS-05-BH14	25	23-MAR-94	ARSENIC		2.8	mg/kg	1
LWDS-05-BH14	25	23-MAR-94	BARIUM		88.6	mg/kg	1
LWDS-05-BH14	25	23-MAR-94	BERYLLIUM	B	0.32	mg/kg	0.2
LWDS-05-BH14	25	23-MAR-94	BISMUTH-214		0.51	pCi/g	0.12
LWDS-05-BH14	25	23-MAR-94	CADMIUM		0.88	mg/kg	0.5
LWDS-05-BH14	25	23-MAR-94	CALCIUM	B	75300	mg/kg	20
LWDS-05-BH14	25	23-MAR-94	CHROMIUM	B	5.6	mg/kg	1
'DS-05-BH14	25	23-MAR-94	COBALT	B	4.9	mg/kg	1
WDS-05-BH14	25	23-MAR-94	COPPER		11.3	mg/kg	2
LWDS-05-BH14	25	23-MAR-94	METHYLENE-CHLORIDE		3.2	ug/kg	5
LWDS-05-BH14	25	23-MAR-94	IRON	B	11500	mg/kg	10
LWDS-05-BH14	25	23-MAR-94	LEAD		3.9	mg/kg	0.3
LWDS-05-BH14	25	23-MAR-94	LEAD-212		0.45	pCi/g	0.08
LWDS-05-BH14	25	23-MAR-94	LEAD-214		0.62	pCi/g	0.14
LWDS-05-BH14	25	23-MAR-94	MAGNESIUM	B	2940	mg/kg	20
LWDS-05-BH14	25	23-MAR-94	MANGANESE	B	179	mg/kg	1
LWDS-05-BH14	25	23-MAR-94	NICKEL		6.7	mg/kg	4
LWDS-05-BH14	25	23-MAR-94	POTASSIUM		527	mg/kg	500
LWDS-05-BH14	25	23-MAR-94	POTASSIUM-40		11	pCi/g	0.25
LWDS-05-BH14	25	23-MAR-94	RADIUM-226		0.49	pCi/g	0.12
LWDS-05-BH14	25	23-MAR-94	RADIUM-228		0.67	pCi/g	0.24
LWDS-05-BH14	25	23-MAR-94	SELENIUM		0.4	mg/kg	0.5
LWDS-05-BH14	25	23-MAR-94	SILVER		0.73	mg/kg	1
LWDS-05-BH14	25	23-MAR-94	SODIUM		73.3	mg/kg	500
LWDS-05-BH14	25	23-MAR-94	THALLIUM-208		0.39	pCi/g	0.14
LWDS-05-BH14	25	23-MAR-94	THORIUM-228		0.42	pCi/g	0.16
LWDS-05-BH14	25	23-MAR-94	THORIUM-232		0.67	pCi/g	0.24
LWDS-05-BH14	25	23-MAR-94	VANADIUM		17.2	mg/kg	1
LWDS-05-BH14	25	23-MAR-94	ZINC	B	20.5	mg/kg	2
LWDS-05-BH14	30	23-MAR-94	ACETONE	B	11	ug/kg	10
LWDS-05-BH14	30	23-MAR-94	ACTINIUM-228		0.45	pCi/g	0.3
LWDS-05-BH14	30	23-MAR-94	ALUMINUM		2820	mg/kg	10
'DS-05-BH14	30	23-MAR-94	ARSENIC		1.7	mg/kg	1
WDS-05-BH14	30	23-MAR-94	BARIUM		26	mg/kg	1

Sample Name	Depth	Sample Date	Analyte	QC flag	Amount Detected	Units	Detection li
LWDS-05-BH14	30	23-MAR-94	BERYLLIUM	B	0.59	mg/kg	0.2
LWDS-05-BH14	30	23-MAR-94	BISMUTH-214		0.51	pCi/g	0.11
LWDS-05-BH14	30	23-MAR-94	CADMIUM		6.7	mg/kg	0.5
LWDS-05-BH14	30	23-MAR-94	CALCIUM	B	24700	mg/kg	20
LWDS-05-BH14	30	23-MAR-94	CHROMIUM	B	6.7	mg/kg	1
LWDS-05-BH14	30	23-MAR-94	COBALT	B	2.9	mg/kg	1
LWDS-05-BH14	30	23-MAR-94	COBALT-60		0.081	pCi/g	0.1
LWDS-05-BH14	30	23-MAR-94	COPPER		13.4	mg/kg	2
LWDS-05-BH14	30	23-MAR-94	METHYLENE-CHLORIDE		3.4	ug/kg	5
LWDS-05-BH14	30	23-MAR-94	IRON	B	7400	mg/kg	10
LWDS-05-BH14	30	23-MAR-94	LEAD		3.8	mg/kg	0.3
LWDS-05-BH14	30	23-MAR-94	LEAD-212		0.42	pCi/g	0.084
LWDS-05-BH14	30	23-MAR-94	LEAD-214		0.69	pCi/g	0.12
LWDS-05-BH14	30	23-MAR-94	MAGNESIUM	B	2180	mg/kg	20
LWDS-05-BH14	30	23-MAR-94	MANGANESE	B	115	mg/kg	1
LWDS-05-BH14	30	23-MAR-94	MERCURY		0.28	mg/kg	0.1
LWDS-05-BH14	30	23-MAR-94	NICKEL		3.7	mg/kg	4
LWDS-05-BH14	30	23-MAR-94	POTASSIUM		391	mg/kg	500
LWDS-05-BH14	30	23-MAR-94	POTASSIUM-40		10	pCi/g	0.38
LWDS-05-BH14	30	23-MAR-94	RADIUM-226		0.49	pCi/g	0.11
LWDS-05-BH14	30	23-MAR-94	RADIUM-228		0.45	pCi/g	0.3
LWDS-05-BH14	30	23-MAR-94	SILVER		0.6	mg/kg	1
LWDS-05-BH14	30	23-MAR-94	SODIUM		102	mg/kg	500
LWDS-05-BH14	30	23-MAR-94	THALLIUM-208		0.5	pCi/g	0.18
LWDS-05-BH14	30	23-MAR-94	THORIUM-228		0.54	pCi/g	0.19
LWDS-05-BH14	30	23-MAR-94	THORIUM-232		0.45	pCi/g	0.3
LWDS-05-BH14	30	23-MAR-94	VANADIUM		13.2	mg/kg	1
LWDS-05-BH14	30	23-MAR-94	ZINC	B	19.5	mg/kg	2
LWDS-05-BH14	32.5	23-MAR-94	ACTINIUM-228		0.42	pCi/g	0.23
LWDS-05-BH14	32.5	23-MAR-94	ALUMINUM		4100	mg/kg	10
LWDS-05-BH14	32.5	23-MAR-94	ARSENIC		2.7	mg/kg	1
LWDS-05-BH14	32.5	23-MAR-94	BARIUM		72.6	mg/kg	1
LWDS-05-BH14	32.5	23-MAR-94	BERYLLIUM	B	0.33	mg/kg	0.2
LWDS-05-BH14	32.5	23-MAR-94	BIS(2-ETHYLHEXYL)PHTHALATE	B	52	ug/kg	330
LWDS-05-BH14	32.5	23-MAR-94	BISMUTH-214		0.41	pCi/g	0.094
LWDS-05-BH14	32.5	23-MAR-94	CALCIUM	B	65900	mg/kg	20
LWDS-05-BH14	32.5	23-MAR-94	CHROMIUM	B	3.8	mg/kg	1
LWDS-05-BH14	32.5	23-MAR-94	COBALT	B	3	mg/kg	1
LWDS-05-BH14	32.5	23-MAR-94	COPPER		6	mg/kg	2
LWDS-05-BH14	32.5	23-MAR-94	METHYLENE-CHLORIDE		3.3	ug/kg	5
LWDS-05-BH14	32.5	23-MAR-94	IRON	B	7180	mg/kg	10
LWDS-05-BH14	32.5	23-MAR-94	LEAD		4	mg/kg	0.3
LWDS-05-BH14	32.5	23-MAR-94	LEAD-212		0.39	pCi/g	0.08
LWDS-05-BH14	32.5	23-MAR-94	LEAD-214		0.38	pCi/g	0.14
LWDS-05-BH14	32.5	23-MAR-94	MAGNESIUM	B	2900	mg/kg	20
LWDS-05-BH14	32.5	23-MAR-94	MANGANESE	B	118	mg/kg	1
LWDS-05-BH14	32.5	23-MAR-94	NICKEL		5.1	mg/kg	4
LWDS-05-BH14	32.5	23-MAR-94	POTASSIUM		721	mg/kg	500
LWDS-05-BH14	32.5	23-MAR-94	POTASSIUM-40		8.5	pCi/g	0.41
LWDS-05-BH14	32.5	23-MAR-94	RADIUM-226		0.4	pCi/g	0.091

Sample Name	Depth	Sample Date	Analyte	QC flag	Amount Detected	Units	Detection limit
LWDS-05-BH14	32.5	23-MAR-94	RADIUM-228		0.42	pCi/g	0.23
LWDS-05-BH14	32.5	23-MAR-94	SILVER		0.68	mg/kg	1
LWDS-05-BH14	32.5	23-MAR-94	THALLIUM-208		0.31	pCi/g	0.22
LWDS-05-BH14	32.5	23-MAR-94	THORIUM-228		0.34	pCi/g	0.24
LWDS-05-BH14	32.5	23-MAR-94	THORIUM-232		0.42	pCi/g	0.23
LWDS-05-BH14	32.5	23-MAR-94	VANADIUM		11.2	mg/kg	1
LWDS-05-BH14	32.5	23-MAR-94	ZINC	B	16.4	mg/kg	2
LWDS-05-BH14	35	23-MAR-94	ACETONE	B	12	ug/kg	10
LWDS-05-BH14	35	23-MAR-94	ACTINIUM-228		0.64	pCi/g	0.35
LWDS-05-BH14	35	23-MAR-94	ALUMINUM		1240	mg/kg	50
LWDS-05-BH14	35	23-MAR-94	BARIUM		18	mg/kg	5
LWDS-05-BH14	35	23-MAR-94	BIS(2-ETHYLHEXYL)PHTHALATE	B	100	ug/kg	330
LWDS-05-BH14	35	23-MAR-94	BISMUTH-214		0.68	pCi/g	0.2
LWDS-05-BH14	35	23-MAR-94	CALCIUM	B	209000	mg/kg	100
LWDS-05-BH14	35	23-MAR-94	COBALT	B	3.4	mg/kg	5
LWDS-05-BH14	35	23-MAR-94	COPPER		2.5	mg/kg	10
LWDS-05-BH14	35	23-MAR-94	METHYLENE-CHLORIDE		3.4	ug/kg	5
LWDS-05-BH14	35	23-MAR-94	IRON	B	2410	mg/kg	50
LWDS-05-BH14	35	23-MAR-94	LEAD-212		0.55	pCi/g	0.1
LWDS-05-BH14	35	23-MAR-94	LEAD-214		0.67	pCi/g	0.15
LWDS-05-BH14	35	23-MAR-94	MAGNESIUM	B	3090	mg/kg	100
LWDS-05-BH14	35	23-MAR-94	MANGANESE	B	182	mg/kg	5
LWDS-05-BH14	35	23-MAR-94	NICKEL		6.5	mg/kg	20
LWDS-05-BH14	35	23-MAR-94	POTASSIUM		81.3	mg/kg	2500
LWDS-05-BH14	35	23-MAR-94	POTASSIUM-40		12	pCi/g	0.74
LWDS-05-BH14	35	23-MAR-94	RADIUM-226		0.66	pCi/g	0.19
LWDS-05-BH14	35	23-MAR-94	RADIUM-228		0.64	pCi/g	0.35
LWDS-05-BH14	35	23-MAR-94	SILVER		3.7	mg/kg	5
LWDS-05-BH14	35	23-MAR-94	THALLIUM-208		0.52	pCi/g	0.24
LWDS-05-BH14	35	23-MAR-94	THORIUM-228		0.56	pCi/g	0.26
LWDS-05-BH14	35	23-MAR-94	THORIUM-232		0.64	pCi/g	0.35
LWDS-05-BH14	35	23-MAR-94	ZINC	B	23.8	mg/kg	10
LWDS-05-BH14	37.5	23-MAR-94	ACETONE	B	33	ug/kg	10
LWDS-05-BH14	37.5	23-MAR-94	ACTINIUM-228		0.65	pCi/g	0.25
LWDS-05-BH14	37.5	23-MAR-94	ALUMINUM		3230	mg/kg	10
LWDS-05-BH14	37.5	23-MAR-94	ARSENIC		3	mg/kg	1
LWDS-05-BH14	37.5	23-MAR-94	BARIUM		189	mg/kg	1
LWDS-05-BH14	37.5	23-MAR-94	BERYLLIUM	B	0.34	mg/kg	0.2
LWDS-05-BH14	37.5	23-MAR-94	BIS(2-ETHYLHEXYL)PHTHALATE	B	1000	ug/kg	330
LWDS-05-BH14	37.5	23-MAR-94	BISMUTH-214		0.59	pCi/g	0.11
LWDS-05-BH14	37.5	23-MAR-94	CADMIUM		2.5	mg/kg	0.5
LWDS-05-BH14	37.5	23-MAR-94	CALCIUM	B	89000	mg/kg	20
LWDS-05-BH14	37.5	23-MAR-94	CHROMIUM	B	42.4	mg/kg	1
LWDS-05-BH14	37.5	23-MAR-94	COBALT	B	3.5	mg/kg	1
LWDS-05-BH14	37.5	23-MAR-94	COPPER		19.2	mg/kg	2
LWDS-05-BH14	37.5	23-MAR-94	DI-N-BUTYL PHTHALATE		46	ug/kg	330
LWDS-05-BH14	37.5	23-MAR-94	METHYLENE-CHLORIDE		3.2	ug/kg	5
LWDS-05-BH14	37.5	23-MAR-94	IRON	B	15600	mg/kg	10
LWDS-05-BH14	37.5	23-MAR-94	LEAD		3.6	mg/kg	0.3
LWDS-05-BH14	37.5	23-MAR-94	LEAD-212		0.53	pCi/g	0.097

Sample Name	Depth	Sample Date	Analyte	QC flag	Amount Detected	Units	Detection li
LWDS-05-BH14	37.5	23-MAR-94	LEAD-214		0.6	pCi/g	0.11
LWDS-05-BH14	37.5	23-MAR-94	MAGNESIUM	B	2840	mg/kg	20
LWDS-05-BH14	37.5	23-MAR-94	MANGANESE	B	278	mg/kg	1
LWDS-05-BH14	37.5	23-MAR-94	NICKEL		9	mg/kg	4
LWDS-05-BH14	37.5	23-MAR-94	POTASSIUM		532	mg/kg	500
LWDS-05-BH14	37.5	23-MAR-94	POTASSIUM-40		13	pCi/g	0.35
LWDS-05-BH14	37.5	23-MAR-94	RADIUM-226		0.57	pCi/g	0.11
LWDS-05-BH14	37.5	23-MAR-94	RADIUM-228		0.65	pCi/g	0.25
LWDS-05-BH14	37.5	23-MAR-94	SELENIUM		0.39	mg/kg	0.5
LWDS-05-BH14	37.5	23-MAR-94	SODIUM		89.9	mg/kg	500
LWDS-05-BH14	37.5	23-MAR-94	THALLIUM-208		0.39	pCi/g	0.21
LWDS-05-BH14	37.5	23-MAR-94	THORIUM-228		0.42	pCi/g	0.23
LWDS-05-BH14	37.5	23-MAR-94	THORIUM-232		0.65	pCi/g	0.25
LWDS-05-BH14	37.5	23-MAR-94	VANADIUM		9.8	mg/kg	1
LWDS-05-BH14	37.5	23-MAR-94	ZINC	B	18.8	mg/kg	2
LWDS-05-BH14	40	23-MAR-94	ACETONE	B	13	ug/kg	10
LWDS-05-BH14	40	23-MAR-94	ACTINIUM-228		0.38	pCi/g	0.21
LWDS-05-BH14	40	23-MAR-94	ALUMINUM		3690	mg/kg	10
LWDS-05-BH14	40	23-MAR-94	ARSENIC		2.4	mg/kg	1
LWDS-05-BH14	40	23-MAR-94	BARIUM		50.9	mg/kg	1
LWDS-05-BH14	40	23-MAR-94	BERYLLIUM		0.49	mg/kg	0.2
LWDS-05-BH14	40	23-MAR-94	BISMUTH-214		0.48	pCi/g	0.099
LWDS-05-BH14	40	23-MAR-94	CADMIUM		0.57	mg/kg	0.5
LWDS-05-BH14	40	23-MAR-94	CALCIUM	B	96200	mg/kg	20
LWDS-05-BH14	40	23-MAR-94	CHROMIUM		5.6	mg/kg	1
LWDS-05-BH14	40	23-MAR-94	COBALT		4	mg/kg	1
LWDS-05-BH14	40	23-MAR-94	COPPER		9.3	mg/kg	2
LWDS-05-BH14	40	23-MAR-94	METHYLENE-CHLORIDE		3.1	ug/kg	5
LWDS-05-BH14	40	23-MAR-94	IRON	B	9790	mg/kg	10
LWDS-05-BH14	40	23-MAR-94	LEAD		4.1	mg/kg	0.3
LWDS-05-BH14	40	23-MAR-94	LEAD-212		0.33	pCi/g	0.073
LWDS-05-BH14	40	23-MAR-94	LEAD-214		0.54	pCi/g	0.097
LWDS-05-BH14	40	23-MAR-94	MAGNESIUM		3500	mg/kg	20
LWDS-05-BH14	40	23-MAR-94	MANGANESE	B	232	mg/kg	1
LWDS-05-BH14	40	23-MAR-94	NICKEL		6.3	mg/kg	4
LWDS-05-BH14	40	23-MAR-94	POTASSIUM	B	604	mg/kg	500
LWDS-05-BH14	40	23-MAR-94	POTASSIUM-40		7.7	pCi/g	0.47
LWDS-05-BH14	40	23-MAR-94	RADIUM-226		0.46	pCi/g	0.096
LWDS-05-BH14	40	23-MAR-94	RADIUM-228		0.38	pCi/g	0.21
LWDS-05-BH14	40	23-MAR-94	SELENIUM		0.57	mg/kg	0.5
LWDS-05-BH14	40	23-MAR-94	SODIUM		142	mg/kg	500
LWDS-05-BH14	40	23-MAR-94	THALLIUM-208		0.36	pCi/g	0.16
LWDS-05-BH14	40	23-MAR-94	THORIUM-228		0.39	pCi/g	0.18
LWDS-05-BH14	40	23-MAR-94	THORIUM-232		0.38	pCi/g	0.21
LWDS-05-BH14	40	23-MAR-94	TOLUENE		3.9	ug/kg	5
LWDS-05-BH14	40	23-MAR-94	VANADIUM		13.7	mg/kg	1
LWDS-05-BH14	40	23-MAR-94	ZINC	B	22.3	mg/kg	2
LWDS-05-BH14	45	23-MAR-94	ACETONE	B	13	ug/kg	10
LWDS-05-BH14	45	23-MAR-94	ACTINIUM-228		0.94	pCi/g	0.27
LWDS-05-BH14	45	23-MAR-94	ALUMINUM		4740	mg/kg	10

...nple Name	Depth	Sample Date	Analyte	QC flag	Amount Detected	Units	Detection limit
...WDS-05-BH14	45	23-MAR-94	ARSENIC		2.7	mg/kg	1
LWDS-05-BH14	45	23-MAR-94	BARIUM		42	mg/kg	1
LWDS-05-BH14	45	23-MAR-94	BERYLLIUM		0.56	mg/kg	0.2
LWDS-05-BH14	45	23-MAR-94	BIS(2-ETHYLHEXYL)PHTHALATE	B	90	ug/kg	330
LWDS-05-BH14	45	23-MAR-94	BISMUTH-214		0.44	pCi/g	0.17
LWDS-05-BH14	45	23-MAR-94	CALCIUM	B	20200	mg/kg	20
LWDS-05-BH14	45	23-MAR-94	CHROMIUM		7	mg/kg	1
LWDS-05-BH14	45	23-MAR-94	COBALT		3.8	mg/kg	1
LWDS-05-BH14	45	23-MAR-94	COPPER		6.6	mg/kg	2
LWDS-05-BH14	45	23-MAR-94	METHYLENE-CHLORIDE	B	3.2	ug/kg	5
LWDS-05-BH14	45	23-MAR-94	IRON	B	9100	mg/kg	10
LWDS-05-BH14	45	23-MAR-94	LEAD		4.2	mg/kg	0.3
LWDS-05-BH14	45	23-MAR-94	LEAD-212		0.42	pCi/g	0.13
LWDS-05-BH14	45	23-MAR-94	LEAD-214		0.55	pCi/g	0.16
LWDS-05-BH14	45	23-MAR-94	MAGNESIUM		2600	mg/kg	20
LWDS-05-BH14	45	23-MAR-94	MANGANESE	B	147	mg/kg	1
LWDS-05-BH14	45	23-MAR-94	NICKEL		6.4	mg/kg	4
LWDS-05-BH14	45	23-MAR-94	POTASSIUM	B	859	mg/kg	500
LWDS-05-BH14	45	23-MAR-94	POTASSIUM-40		14	pCi/g	0.56
LWDS-05-BH14	45	23-MAR-94	RADIUM-226		0.43	pCi/g	0.16
LWDS-05-BH14	45	23-MAR-94	RADIUM-228		0.94	pCi/g	0.27
LWDS-05-BH14	45	23-MAR-94	SODIUM		179	mg/kg	500
LWDS-05-BH14	45	23-MAR-94	THALLIUM-208		0.5	pCi/g	0.25
...DS-05-BH14	45	23-MAR-94	THORIUM-228		0.54	pCi/g	0.27
...DS-05-BH14	45	23-MAR-94	THORIUM-232		0.94	pCi/g	0.27
...WDS-05-BH14	45	23-MAR-94	TOLUENE	B	1.6	ug/kg	5
LWDS-05-BH14	45	23-MAR-94	VANADIUM		16.3	mg/kg	1
LWDS-05-BH14	45	23-MAR-94	ZINC	B	19.4	mg/kg	2
LWDS-05-BH14	50	23-MAR-94	ACETONE	B	11	ug/kg	10
LWDS-05-BH14	50	23-MAR-94	ACTINIUM-228		0.83	pCi/g	0.32
LWDS-05-BH14	50	23-MAR-94	ALUMINUM		4450	mg/kg	10
LWDS-05-BH14	50	23-MAR-94	ARSENIC		2.2	mg/kg	1
LWDS-05-BH14	50	23-MAR-94	BARIUM		30.6	mg/kg	1
LWDS-05-BH14	50	23-MAR-94	BERYLLIUM		0.56	mg/kg	0.2
LWDS-05-BH14	50	23-MAR-94	BISMUTH-214		0.6	pCi/g	0.12
LWDS-05-BH14	50	23-MAR-94	CALCIUM	B	12800	mg/kg	20
LWDS-05-BH14	50	23-MAR-94	CHROMIUM		7.7	mg/kg	1
LWDS-05-BH14	50	23-MAR-94	COBALT		3.6	mg/kg	1
LWDS-05-BH14	50	23-MAR-94	COPPER		9.1	mg/kg	2
LWDS-05-BH14	50	23-MAR-94	METHYLENE-CHLORIDE	B	3.4	ug/kg	5
LWDS-05-BH14	50	23-MAR-94	IRON	B	7850	mg/kg	10
LWDS-05-BH14	50	23-MAR-94	LEAD		3.5	mg/kg	0.3
LWDS-05-BH14	50	23-MAR-94	LEAD-212		0.63	pCi/g	0.1
LWDS-05-BH14	50	23-MAR-94	LEAD-214		0.69	pCi/g	0.16
LWDS-05-BH14	50	23-MAR-94	MAGNESIUM		2670	mg/kg	20
LWDS-05-BH14	50	23-MAR-94	MANGANESE	B	143	mg/kg	1
LWDS-05-BH14	50	23-MAR-94	NICKEL		5.5	mg/kg	4
LWDS-05-BH14	50	23-MAR-94	POTASSIUM	B	668	mg/kg	500
...DS-05-BH14	50	23-MAR-94	POTASSIUM-40		13	pCi/g	0.63
...DS-05-BH14	50	23-MAR-94	RADIUM-226		0.58	pCi/g	0.12

Sample Name	Depth	Sample Date	Analyte	QC flag	Amount Detected	Units	Detection lir
LWDS-05-BH14	50	23-MAR-94	RADIUM-228		0.83	pCi/g	0.32
LWDS-05-BH14	50	23-MAR-94	SILVER		0.39	mg/kg	1
LWDS-05-BH14	50	23-MAR-94	SODIUM		141	mg/kg	500
LWDS-05-BH14	50	23-MAR-94	THALLIUM-208		0.6	pCi/g	0.24
LWDS-05-BH14	50	23-MAR-94	THORIUM-228		0.65	pCi/g	0.25
LWDS-05-BH14	50	23-MAR-94	THORIUM-232		0.83	pCi/g	0.32
LWDS-05-BH14	50	23-MAR-94	TOLUENE	B	2.7	ug/kg	5
LWDS-05-BH14	50	23-MAR-94	VANADIUM		15.6	mg/kg	1
LWDS-05-BH14	50	23-MAR-94	ZINC	B	16.9	mg/kg	2
LWDS-05-BH14	55	23-MAR-94	ACETONE	B	17	ug/kg	10
LWDS-05-BH14	55	23-MAR-94	ACTINIUM-228		0.61	pCi/g	0.32
LWDS-05-BH14	55	23-MAR-94	ALUMINUM		2230	mg/kg	10
LWDS-05-BH14	55	23-MAR-94	ARSENIC		1.4	mg/kg	1
LWDS-05-BH14	55	23-MAR-94	BARIUM		23.3	mg/kg	1
LWDS-05-BH14	55	23-MAR-94	BERYLLIUM		0.62	mg/kg	0.2
LWDS-05-BH14	55	23-MAR-94	BISMUTH-214		0.47	pCi/g	0.15
LWDS-05-BH14	55	23-MAR-94	CADMIUM		0.58	mg/kg	0.5
LWDS-05-BH14	55	23-MAR-94	CALCIUM	B	45300	mg/kg	20
LWDS-05-BH14	55	23-MAR-94	CESIUM-137		0.04	pCi/g	0.11
LWDS-05-BH14	55	23-MAR-94	CHROMIUM		2.3	mg/kg	1
LWDS-05-BH14	55	23-MAR-94	COBALT		3.4	mg/kg	1
LWDS-05-BH14	55	23-MAR-94	COPPER		6.4	mg/kg	2
LWDS-05-BH14	55	23-MAR-94	METHYLENE-CHLORIDE	B	3.6	ug/kg	5
LWDS-05-BH14	55	23-MAR-94	IRON	B	4980	mg/kg	10
LWDS-05-BH14	55	23-MAR-94	LEAD		2.5	mg/kg	0.3
LWDS-05-BH14	55	23-MAR-94	LEAD-212		0.61	pCi/g	0.086
LWDS-05-BH14	55	23-MAR-94	LEAD-214		0.49	pCi/g	0.14
LWDS-05-BH14	55	23-MAR-94	MAGNESIUM		1980	mg/kg	20
LWDS-05-BH14	55	23-MAR-94	MANGANESE	B	176	mg/kg	1
LWDS-05-BH14	55	23-MAR-94	NICKEL		3.9	mg/kg	4
LWDS-05-BH14	55	23-MAR-94	POTASSIUM	B	310	mg/kg	500
LWDS-05-BH14	55	23-MAR-94	POTASSIUM-40		17	pCi/g	0.44
LWDS-05-BH14	55	23-MAR-94	RADIUM-226		0.45	pCi/g	0.15
LWDS-05-BH14	55	23-MAR-94	RADIUM-228		0.61	pCi/g	0.32
LWDS-05-BH14	55	23-MAR-94	SODIUM		154	mg/kg	500
LWDS-05-BH14	55	23-MAR-94	THALLIUM-208		0.59	pCi/g	0.2
LWDS-05-BH14	55	23-MAR-94	THORIUM-228		0.64	pCi/g	0.22
LWDS-05-BH14	55	23-MAR-94	THORIUM-232		0.61	pCi/g	0.32
LWDS-05-BH14	55	23-MAR-94	TOLUENE	B	5.4	ug/kg	5
LWDS-05-BH14	55	23-MAR-94	VANADIUM		7.4	mg/kg	1
LWDS-05-BH14	55	23-MAR-94	ZINC	B	11	mg/kg	2
LWDS-05-BH14	60	23-MAR-94	ACETONE	B	12	ug/kg	10
LWDS-05-BH14	60	23-MAR-94	ACETONE		9.8	ug/kg	10
LWDS-05-BH14	60	23-MAR-94	ACTINIUM-228	D	0.72	pCi/g	0.37
LWDS-05-BH14	60	23-MAR-94	ACTINIUM-228	D	0.33	pCi/g	0.22
LWDS-05-BH14	60	23-MAR-94	ALUMINUM		5430	mg/kg	10
LWDS-05-BH14	60	23-MAR-94	ALUMINUM		6290	mg/kg	10
LWDS-05-BH14	60	23-MAR-94	ARSENIC	D	1.6	mg/kg	1
LWDS-05-BH14	60	23-MAR-94	ARSENIC	D	3.3	mg/kg	1
LWDS-05-BH14	60	23-MAR-94	BARIUM	D	25.5	mg/kg	1

..mple Name	Depth	Sample Date	Analyte	QC flag	Amount Detected	Units	Detection limit
_WDS-05-BH14	60	23-MAR-94	BARIUM	D	52	mg/kg	1
LWDS-05-BH14	60	23-MAR-94	BERYLLIUM		0.44	mg/kg	0.2
LWDS-05-BH14	60	23-MAR-94	BERYLLIUM		0.55	mg/kg	0.2
LWDS-05-BH14	60	23-MAR-94	BIS(2-ETHYLHEXYL)PHTHALATE		260	ug/kg	330
LWDS-05-BH14	60	23-MAR-94	BISMUTH-212		0.99	pCi/g	0.94
LWDS-05-BH14	60	23-MAR-94	BISMUTH-214		0.47	pCi/g	0.15
LWDS-05-BH14	60	23-MAR-94	CADMIUM		0.96	mg/kg	0.5
LWDS-05-BH14	60	23-MAR-94	CALCIUM	B	35100	mg/kg	20
LWDS-05-BH14	60	23-MAR-94	CALCIUM		36800	mg/kg	20
LWDS-05-BH14	60	23-MAR-94	CHROMIUM		11.3	mg/kg	1
LWDS-05-BH14	60	23-MAR-94	CHROMIUM		7.5	mg/kg	1
LWDS-05-BH14	60	23-MAR-94	COBALT		3.7	mg/kg	1
LWDS-05-BH14	60	23-MAR-94	COBALT		5.2	mg/kg	1
LWDS-05-BH14	60	23-MAR-94	COPPER	D	18.9	mg/kg	2
LWDS-05-BH14	60	23-MAR-94	COPPER	D	9.4	mg/kg	2
LWDS-05-BH14	60	23-MAR-94	METHYLENE-CHLORIDE	B	3.5	ug/kg	5
LWDS-05-BH14	60	23-MAR-94	METHYLENE-CHLORIDE		3.9	ug/kg	5
LWDS-05-BH14	60	23-MAR-94	IRON	B	6490	mg/kg	10
LWDS-05-BH14	60	23-MAR-94	IRON		10700	mg/kg	10
LWDS-05-BH14	60	23-MAR-94	LEAD	D	3	mg/kg	0.3
LWDS-05-BH14	60	23-MAR-94	LEAD	D	5.8	mg/kg	0.3
LWDS-05-BH14	60	23-MAR-94	LEAD-212	D	0.62	pCi/g	0.094
LWDS-05-BH14	60	23-MAR-94	LEAD-212	D	0.3	pCi/g	0.085
'DS-05-BH14	60	23-MAR-94	LEAD-214		0.55	pCi/g	0.13
₩DS-05-BH14	60	23-MAR-94	LEAD-214		0.4	pCi/g	0.1
_WDS-05-BH14	60	23-MAR-94	MAGNESIUM		2840	mg/kg	20
LWDS-05-BH14	60	23-MAR-94	MAGNESIUM		3490	mg/kg	20
LWDS-05-BH14	60	23-MAR-94	MANGANESE	B	148	mg/kg	1
LWDS-05-BH14	60	23-MAR-94	MANGANESE		210	mg/kg	1
LWDS-05-BH14	60	23-MAR-94	NICKEL		7.5	mg/kg	4
LWDS-05-BH14	60	23-MAR-94	NICKEL		7.6	mg/kg	4
LWDS-05-BH14	60	23-MAR-94	POTASSIUM	D/B	419	mg/kg	500
LWDS-05-BH14	60	23-MAR-94	POTASSIUM	D	1020	mg/kg	500
LWDS-05-BH14	60	23-MAR-94	POTASSIUM-40	D	15	pCi/g	1.1
LWDS-05-BH14	60	23-MAR-94	POTASSIUM-40	D	8.2	pCi/g	0.56
LWDS-05-BH14	60	23-MAR-94	RADIUM-226		0.46	pCi/g	0.15
LWDS-05-BH14	60	23-MAR-94	RADIUM-226		0.35	pCi/g	0.094
LWDS-05-BH14	60	23-MAR-94	RADIUM-228	D	0.72	pCi/g	0.37
LWDS-05-BH14	60	23-MAR-94	RADIUM-228	D	0.33	pCi/g	0.22
LWDS-05-BH14	60	23-MAR-94	SILVER		0.34	mg/kg	1
LWDS-05-BH14	60	23-MAR-94	SODIUM	D	324	mg/kg	500
LWDS-05-BH14	60	23-MAR-94	SODIUM	D	194	mg/kg	500
LWDS-05-BH14	60	23-MAR-94	THALLIUM-208	D	0.67	pCi/g	0.18
LWDS-05-BH14	60	23-MAR-94	THALLIUM-208	D	0.28	pCi/g	0.14
LWDS-05-BH14	60	23-MAR-94	THORIUM-228	D	0.73	pCi/g	0.2
LWDS-05-BH14	60	23-MAR-94	THORIUM-228	D	0.3	pCi/g	0.16
LWDS-05-BH14	60	23-MAR-94	THORIUM-232	D	0.72	pCi/g	0.37
LWDS-05-BH14	60	23-MAR-94	THORIUM-232	D	0.33	pCi/g	0.22
'DS-05-BH14	60	23-MAR-94	TOLUENE	B	1.8	ug/kg	5
₩DS-05-BH14	60	23-MAR-94	TOLUENE		1.6	ug/kg	5

Sample Name	Depth	Sample Date	Analyte	QC flag	Amount Detected	Units	Detection li
LWDS-05-BH14	60	23-MAR-94	VANADIUM	D	11.2	mg/kg	1
LWDS-05-BH14	60	23-MAR-94	VANADIUM	D	18.8	mg/kg	1
LWDS-05-BH14	60	23-MAR-94	ZINC	B	16.2	mg/kg	2
LWDS-05-BH14	60	23-MAR-94	ZINC		24.6	mg/kg	2
LWDS-MW-1	12	22-AUG-92	ACTINIUM-228		0.8	pCi/g	100000000
LWDS-MW-1	12	22-AUG-92	ALUMINUM	B	3580	mg/kg	10
LWDS-MW-1	12	22-AUG-92	ARSENIC		2.9	mg/kg	0.5
LWDS-MW-1	12	22-AUG-92	BARIUM		33.4	mg/kg	1
LWDS-MW-1	12	22-AUG-92	BERYLLIUM		0.21	mg/kg	0.2
LWDS-MW-1	12	22-AUG-92	BISMUTH-214		0.6	pCi/g	100000000
LWDS-MW-1	12	22-AUG-92	CALCIUM	B	27000	mg/kg	20
LWDS-MW-1	12	22-AUG-92	CHROMIUM		4.4	mg/kg	1
LWDS-MW-1	12	22-AUG-92	COBALT		3.3	mg/kg	1
LWDS-MW-1	12	22-AUG-92	COPPER		4.4	mg/kg	2
LWDS-MW-1	12	22-AUG-92	METHYLENE-CHLORIDE		7.3	ug/kg	5
LWDS-MW-1	12	22-AUG-92	IRON	B	6110	mg/kg	10
LWDS-MW-1	12	22-AUG-92	LEAD	B	3.3	mg/kg	1
LWDS-MW-1	12	22-AUG-92	LEAD-212		0.5	pCi/g	100000000
LWDS-MW-1	12	22-AUG-92	LEAD-214		0.7	pCi/g	100000000
LWDS-MW-1	12	22-AUG-92	MAGNESIUM		2800	mg/kg	20
LWDS-MW-1	12	22-AUG-92	MANGANESE		141	mg/kg	1
LWDS-MW-1	12	22-AUG-92	NICKEL		4.5	mg/kg	4
LWDS-MW-1	12	22-AUG-92	POTASSIUM		896	mg/kg	500
LWDS-MW-1	12	22-AUG-92	POTASSIUM-40		15	pCi/g	100000000
LWDS-MW-1	12	22-AUG-92	THALLIUM-208		0.2	pCi/g	100000000
LWDS-MW-1	12	22-AUG-92	VANADIUM		16.2	mg/kg	1
LWDS-MW-1	12	22-AUG-92	ZINC	B	16	mg/kg	2
LWDS-MW-1	21	22-AUG-92	ACTINIUM-228		0.9	pCi/g	100000000
LWDS-MW-1	21	22-AUG-92	ALUMINUM	B	5070	mg/kg	10
LWDS-MW-1	21	22-AUG-92	ARSENIC		1.6	mg/kg	0.5
LWDS-MW-1	21	22-AUG-92	BARIUM		130	mg/kg	1
LWDS-MW-1	21	22-AUG-92	BERYLLIUM		0.46	mg/kg	0.2
LWDS-MW-1	21	22-AUG-92	BISMUTH-214		0.7	pCi/g	100000000
LWDS-MW-1	21	22-AUG-92	CALCIUM	B	39900	mg/kg	20
LWDS-MW-1	21	22-AUG-92	CHROMIUM		9	mg/kg	1
LWDS-MW-1	21	22-AUG-92	COBALT		5.4	mg/kg	1
LWDS-MW-1	21	22-AUG-92	COPPER		8.1	mg/kg	2
LWDS-MW-1	21	22-AUG-92	METHYLENE-CHLORIDE		7.4	ug/kg	5
LWDS-MW-1	21	22-AUG-92	IRON	B	9670	mg/kg	10
LWDS-MW-1	21	22-AUG-92	LEAD	B	2.8	mg/kg	0.5
LWDS-MW-1	21	22-AUG-92	LEAD-212		0.6	pCi/g	100000000
LWDS-MW-1	21	22-AUG-92	LEAD-214		0.6	pCi/g	100000000
LWDS-MW-1	21	22-AUG-92	MAGNESIUM		3530	mg/kg	20
LWDS-MW-1	21	22-AUG-92	MANGANESE		190	mg/kg	1
LWDS-MW-1	21	22-AUG-92	NICKEL		7.6	mg/kg	4
LWDS-MW-1	21	22-AUG-92	POTASSIUM		818	mg/kg	500
LWDS-MW-1	21	22-AUG-92	POTASSIUM-40		16	pCi/g	100000000
LWDS-MW-1	21	22-AUG-92	THALLIUM-208		0.2	pCi/g	100000000
LWDS-MW-1	21	22-AUG-92	VANADIUM		17.5	mg/kg	1
LWDS-MW-1	21	22-AUG-92	ZINC	B	23.2	mg/kg	2

...mple Name	Depth	Sample Date	Analyte	QC flag	Amount Detected	Units	Detection limit
WDS-MW-1	30	22-AUG-92	ACETONE	B	29	ug/kg	10
LWDS-MW-1	30	22-AUG-92	ALUMINUM	B	3620	mg/kg	10
LWDS-MW-1	30	22-AUG-92	ARSENIC		1.8	mg/kg	0.5
LWDS-MW-1	30	22-AUG-92	BARIUM		69.4	mg/kg	1
LWDS-MW-1	30	22-AUG-92	BERYLLIUM		0.21	mg/kg	0.2
LWDS-MW-1	30	22-AUG-92	BIS(2-ETHYLHEXYL)PHTHALATE	B	510	ug/kg	330
LWDS-MW-1	30	22-AUG-92	BISMUTH-214		0.6	pCi/g	100000000
LWDS-MW-1	30	22-AUG-92	CALCIUM	B	61900	mg/kg	20
LWDS-MW-1	30	22-AUG-92	CHROMIUM		12.1	mg/kg	1
LWDS-MW-1	30	22-AUG-92	COBALT		4.3	mg/kg	1
LWDS-MW-1	30	22-AUG-92	COPPER		8.5	mg/kg	2
LWDS-MW-1	30	22-AUG-92	METHYLENE-CHLORIDE		5.8	ug/kg	5
LWDS-MW-1	30	22-AUG-92	IRON	B	8590	mg/kg	10
LWDS-MW-1	30	22-AUG-92	LEAD	B	2.8	mg/kg	0.5
LWDS-MW-1	30	22-AUG-92	LEAD-214		0.6	pCi/g	100000000
LWDS-MW-1	30	22-AUG-92	MAGNESIUM		3180	mg/kg	20
LWDS-MW-1	30	22-AUG-92	MANGANESE		190	mg/kg	1
LWDS-MW-1	30	22-AUG-92	NICKEL		6.3	mg/kg	4
LWDS-MW-1	30	22-AUG-92	POTASSIUM		612	mg/kg	500
LWDS-MW-1	30	22-AUG-92	POTASSIUM-40		13	pCi/g	100000000
LWDS-MW-1	30	22-AUG-92	VANADIUM		18	mg/kg	1
LWDS-MW-1	30	22-AUG-92	ZINC	B	19.4	mg/kg	2
LWDS-MW-1	39	22-AUG-92	ACTINIUM-228		0.8	pCi/g	100000000
'DS-MW-1	39	22-AUG-92	ALUMINUM	B	4170	mg/kg	10
WDS-MW-1	39	22-AUG-92	ARSENIC		0.91	mg/kg	0.5
WDS-MW-1	39	22-AUG-92	BARIUM		86.5	mg/kg	1
LWDS-MW-1	39	22-AUG-92	BERYLLIUM		0.33	mg/kg	0.2
LWDS-MW-1	39	22-AUG-92	BISMUTH-214		0.7	pCi/g	100000000
LWDS-MW-1	39	22-AUG-92	CALCIUM	B	22700	mg/kg	20
LWDS-MW-1	39	22-AUG-92	CHROMIUM		6.6	mg/kg	1
LWDS-MW-1	39	22-AUG-92	COBALT		4.3	mg/kg	1
LWDS-MW-1	39	22-AUG-92	COPPER		7.5	mg/kg	2
LWDS-MW-1	39	22-AUG-92	METHYLENE-CHLORIDE		21	ug/kg	5
LWDS-MW-1	39	22-AUG-92	IRON	B	8980	mg/kg	10
LWDS-MW-1	39	22-AUG-92	LEAD	B	3.1	mg/kg	1
LWDS-MW-1	39	22-AUG-92	LEAD-212		0.6	pCi/g	100000000
LWDS-MW-1	39	22-AUG-92	LEAD-214		0.6	pCi/g	100000000
LWDS-MW-1	39	22-AUG-92	MAGNESIUM		2970	mg/kg	20
LWDS-MW-1	39	22-AUG-92	MANGANESE		205	mg/kg	1
LWDS-MW-1	39	22-AUG-92	NICKEL		6.8	mg/kg	4
LWDS-MW-1	39	22-AUG-92	POTASSIUM		859	mg/kg	500
LWDS-MW-1	39	22-AUG-92	POTASSIUM-40		17	pCi/g	100000000
LWDS-MW-1	39	22-AUG-92	THALLIUM-208		0.2	pCi/g	100000000
LWDS-MW-1	39	22-AUG-92	VANADIUM		17.1	mg/kg	1
LWDS-MW-1	39	22-AUG-92	ZINC	B	22	mg/kg	2
LWDS-MW-1	50	22-AUG-92	ACTINIUM-228		0.6	pCi/g	100000000
LWDS-MW-1	50	22-AUG-92	ACTINIUM-228		0.7	pCi/g	100000000
LWDS-MW-1	50	22-AUG-92	ALUMINUM		2860	mg/kg	10
'DS-MW-1	50	22-AUG-92	ALUMINUM	B	2590	mg/kg	10
WDS-MW-1	50	22-AUG-92	ARSENIC		1.2	mg/kg	0.5

Sample Name	Depth	Sample Date	Analyte	QC flag	Amount Detected	Units	Detection lim
LWDS-MW-1	50	22-AUG-92	ARSENIC		1.3	mg/kg	0.5
LWDS-MW-1	50	22-AUG-92	BARIUM		50.7	mg/kg	1
LWDS-MW-1	50	22-AUG-92	BARIUM		45.7	mg/kg	1
LWDS-MW-1	50	22-AUG-92	BERYLLIUM		0.29	mg/kg	0.2
LWDS-MW-1	50	22-AUG-92	BERYLLIUM		0.32	mg/kg	0.2
LWDS-MW-1	50	22-AUG-92	BISMUTH-214		0.6	pCi/g	100000000
LWDS-MW-1	50	22-AUG-92	BISMUTH-214		0.5	pCi/g	100000000
LWDS-MW-1	50	22-AUG-92	CALCIUM		39500	mg/kg	20
LWDS-MW-1	50	22-AUG-92	CALCIUM	B	36700	mg/kg	20
LWDS-MW-1	50	22-AUG-92	CHROMIUM		4	mg/kg	1
LWDS-MW-1	50	22-AUG-92	CHROMIUM		3.6	mg/kg	1
LWDS-MW-1	50	22-AUG-92	COBALT		2.9	mg/kg	1
LWDS-MW-1	50	22-AUG-92	COBALT		2.7	mg/kg	1
LWDS-MW-1	50	22-AUG-92	COPPER		3.9	mg/kg	2
LWDS-MW-1	50	22-AUG-92	COPPER		3.2	mg/kg	2
LWDS-MW-1	50	22-AUG-92	METHYLENE-CHLORIDE		25	ug/kg	5
LWDS-MW-1	50	22-AUG-92	METHYLENE-CHLORIDE		21	ug/kg	5
LWDS-MW-1	50	22-AUG-92	IRON		4690	mg/kg	10
LWDS-MW-1	50	22-AUG-92	IRON	B	4280	mg/kg	10
LWDS-MW-1	50	22-AUG-92	LEAD		2.5	mg/kg	0.5
LWDS-MW-1	50	22-AUG-92	LEAD	B	2.5	mg/kg	0.5
LWDS-MW-1	50	22-AUG-92	LEAD-212		0.5	pCi/g	100000000
LWDS-MW-1	50	22-AUG-92	LEAD-212		0.6	pCi/g	100000000
LWDS-MW-1	50	22-AUG-92	LEAD-214		0.6	pCi/g	100000000
LWDS-MW-1	50	22-AUG-92	LEAD-214		0.5	pCi/g	100000000
LWDS-MW-1	50	22-AUG-92	MAGNESIUM		1670	mg/kg	20
LWDS-MW-1	50	22-AUG-92	MAGNESIUM		1570	mg/kg	20
LWDS-MW-1	50	22-AUG-92	MANGANESE		81.5	mg/kg	1
LWDS-MW-1	50	22-AUG-92	MANGANESE		74.9	mg/kg	1
LWDS-MW-1	50	22-AUG-92	POTASSIUM		503	mg/kg	500
LWDS-MW-1	50	22-AUG-92	POTASSIUM-40		16	pCi/g	100000000
LWDS-MW-1	50	22-AUG-92	POTASSIUM-40		16	pCi/g	100000000
LWDS-MW-1	50	22-AUG-92	THALLIUM-208		0.2	pCi/g	100000000
LWDS-MW-1	50	22-AUG-92	THALLIUM-208		0.2	pCi/g	100000000
LWDS-MW-1	50	22-AUG-92	TRITIUM	D	0.1	pCi/g	100000000
LWDS-MW-1	50	22-AUG-92	VANADIUM		9.7	mg/kg	1
LWDS-MW-1	50	22-AUG-92	VANADIUM		8.9	mg/kg	1
LWDS-MW-1	50	22-AUG-92	ZINC		11.7	mg/kg	2
LWDS-MW-1	50	22-AUG-92	ZINC	B	11.4	mg/kg	2
LWDS-MW-1	60	22-AUG-92	ACTINIUM-228		0.6	pCi/g	100000000
LWDS-MW-1	60	22-AUG-92	ALUMINUM	B	3250	mg/kg	10
LWDS-MW-1	60	22-AUG-92	ARSENIC		0.85	mg/kg	0.5
LWDS-MW-1	60	22-AUG-92	BARIUM		34.2	mg/kg	1
LWDS-MW-1	60	22-AUG-92	BERYLLIUM		0.28	mg/kg	0.2
LWDS-MW-1	60	22-AUG-92	BISMUTH-214		0.5	pCi/g	100000000
LWDS-MW-1	60	22-AUG-92	CALCIUM	B	42200	mg/kg	20
LWDS-MW-1	60	22-AUG-92	CHROMIUM		6	mg/kg	1
LWDS-MW-1	60	22-AUG-92	COBALT		4.2	mg/kg	1
LWDS-MW-1	60	22-AUG-92	COPPER		8.3	mg/kg	2
LWDS-MW-1	60	22-AUG-92	METHYLENE-CHLORIDE		18	ug/kg	5

..mple Name	Depth	Sample Date	Analyte	QC flag	Amount Detected	Units	Detection limit
_WDS-MW-1	60	22-AUG-92	IRON	B	9080	mg/kg	10
LWDS-MW-1	60	22-AUG-92	LEAD	B	2.4	mg/kg	0.5
LWDS-MW-1	60	22-AUG-92	LEAD-212		0.6	pCi/g	100000000
LWDS-MW-1	60	22-AUG-92	LEAD-214		0.6	pCi/g	100000000
LWDS-MW-1	60	22-AUG-92	MAGNESIUM		2540	mg/kg	20
LWDS-MW-1	60	22-AUG-92	MANGANESE		167	mg/kg	1
LWDS-MW-1	60	22-AUG-92	NICKEL		5	mg/kg	4
LWDS-MW-1	60	22-AUG-92	POTASSIUM		575	mg/kg	500
LWDS-MW-1	60	22-AUG-92	POTASSIUM-40		17	pCi/g	100000000
LWDS-MW-1	60	22-AUG-92	TETRACHLOROETHENE		6.2	ug/kg	5
LWDS-MW-1	60	22-AUG-92	THALLIUM-208		0.2	pCi/g	100000000
LWDS-MW-1	60	22-AUG-92	VANADIUM		15.5	mg/kg	1
LWDS-MW-1	60	22-AUG-92	ZINC	B	20.2	mg/kg	2
LWDS-MW-1	68	23-AUG-92	ACTINIUM-228		0.7	pCi/g	100000000
LWDS-MW-1	68	23-AUG-92	ALUMINUM	B	3480	mg/kg	10
LWDS-MW-1	68	23-AUG-92	ARSENIC		0.86	mg/kg	0.5
LWDS-MW-1	68	23-AUG-92	BARIUM		43.5	mg/kg	1
LWDS-MW-1	68	23-AUG-92	BERYLLIUM		0.25	mg/kg	0.2
LWDS-MW-1	68	23-AUG-92	BISMUTH-214		0.6	pCi/g	100000000
LWDS-MW-1	68	23-AUG-92	CALCIUM	B	32500	mg/kg	20
LWDS-MW-1	68	23-AUG-92	CHROMIUM		5.9	mg/kg	1
LWDS-MW-1	68	23-AUG-92	COBALT		3.6	mg/kg	1
LWDS-MW-1	68	23-AUG-92	COPPER		7	mg/kg	2
'DS-MW-1	68	23-AUG-92	IRON	B	7300	mg/kg	10
WDS-MW-1	68	23-AUG-92	LEAD		2.9	mg/kg	0.5
LWDS-MW-1	68	23-AUG-92	LEAD-212		0.4	pCi/g	100000000
LWDS-MW-1	68	23-AUG-92	LEAD-214		0.5	pCi/g	100000000
LWDS-MW-1	68	23-AUG-92	MAGNESIUM		2800	mg/kg	20
LWDS-MW-1	68	23-AUG-92	MANGANESE		158	mg/kg	1
LWDS-MW-1	68	23-AUG-92	NICKEL		6.7	mg/kg	4
LWDS-MW-1	68	23-AUG-92	POTASSIUM		506	mg/kg	500
LWDS-MW-1	68	23-AUG-92	POTASSIUM-40		16	pCi/g	100000000
LWDS-MW-1	68	23-AUG-92	THALLIUM-208		0.2	pCi/g	100000000
LWDS-MW-1	68	23-AUG-92	VANADIUM		11.7	mg/kg	1
LWDS-MW-1	68	23-AUG-92	ZINC	B	21.2	mg/kg	2
LWDS-MW-1	80	23-AUG-92	ACTINIUM-228		1	pCi/g	100000000
LWDS-MW-1	80	23-AUG-92	ALUMINUM	B	2880	mg/kg	10
LWDS-MW-1	80	23-AUG-92	ARSENIC		1.8	mg/kg	0.5
LWDS-MW-1	80	23-AUG-92	BARIUM		122	mg/kg	1
LWDS-MW-1	80	23-AUG-92	BERYLLIUM		0.26	mg/kg	0.2
LWDS-MW-1	80	23-AUG-92	BISMUTH-214		0.7	pCi/g	100000000
LWDS-MW-1	80	23-AUG-92	CALCIUM	B	14400	mg/kg	20
LWDS-MW-1	80	23-AUG-92	CHROMIUM		4.1	mg/kg	1
LWDS-MW-1	80	23-AUG-92	COBALT		2.8	mg/kg	1
LWDS-MW-1	80	23-AUG-92	COPPER		4.9	mg/kg	2
LWDS-MW-1	80	23-AUG-92	IRON	B	5740	mg/kg	10
LWDS-MW-1	80	23-AUG-92	LEAD		5.6	mg/kg	1
LWDS-MW-1	80	23-AUG-92	LEAD-212		0.6	pCi/g	100000000
'DS-MW-1	80	23-AUG-92	LEAD-214		0.5	pCi/g	100000000
WDS-MW-1	80	23-AUG-92	MAGNESIUM		2060	mg/kg	20

Sample Name	Depth	Sample Date	Analyte	QC flag	Amount Detected	Units	Detection li
LWDS-MW-1	80	23-AUG-92	MANGANESE		108	mg/kg	1
LWDS-MW-1	80	23-AUG-92	NICKEL		4.2	mg/kg	4
LWDS-MW-1	80	23-AUG-92	POTASSIUM		618	mg/kg	500
LWDS-MW-1	80	23-AUG-92	POTASSIUM-40		16	pCi/g	100000000
LWDS-MW-1	80	23-AUG-92	THALLIUM-208		0.2	pCi/g	100000000
LWDS-MW-1	80	23-AUG-92	VANADIUM		10.7	mg/kg	1
LWDS-MW-1	80	23-AUG-92	ZINC	B	15.2	mg/kg	2
LWDS-MW-1	89	23-AUG-92	ACTINIUM-228		0.8	pCi/g	100000000
LWDS-MW-1	89	23-AUG-92	ALUMINUM		3650	mg/kg	10
LWDS-MW-1	89	23-AUG-92	ALUMINUM	B	3100	mg/kg	10
LWDS-MW-1	89	23-AUG-92	ARSENIC		1.1	mg/kg	0.5
LWDS-MW-1	89	23-AUG-92	ARSENIC		1.2	mg/kg	0.5
LWDS-MW-1	89	23-AUG-92	BARIUM		89.9	mg/kg	1
LWDS-MW-1	89	23-AUG-92	BARIUM		133	mg/kg	1
LWDS-MW-1	89	23-AUG-92	BERYLLIUM	D	0.44	mg/kg	0.2
LWDS-MW-1	89	23-AUG-92	BERYLLIUM	D	0.23	mg/kg	0.2
LWDS-MW-1	89	23-AUG-92	BISMUTH-214		0.6	pCi/g	100000000
LWDS-MW-1	89	23-AUG-92	BISMUTH-214		0.8	pCi/g	100000000
LWDS-MW-1	89	23-AUG-92	CALCIUM		71700	mg/kg	20
LWDS-MW-1	89	23-AUG-92	CALCIUM	B	91900	mg/kg	20
LWDS-MW-1	89	23-AUG-92	CHROMIUM		6.2	mg/kg	1
LWDS-MW-1	89	23-AUG-92	CHROMIUM		6	mg/kg	1
LWDS-MW-1	89	23-AUG-92	COBALT		3.4	mg/kg	1
LWDS-MW-1	89	23-AUG-92	COBALT		3	mg/kg	1
LWDS-MW-1	89	23-AUG-92	COPPER		5	mg/kg	2
LWDS-MW-1	89	23-AUG-92	COPPER		4.9	mg/kg	2
LWDS-MW-1	89	23-AUG-92	METHYLENE-CHLORIDE		5.4	ug/kg	5
LWDS-MW-1	89	23-AUG-92	IRON		6040	mg/kg	10
LWDS-MW-1	89	23-AUG-92	IRON	B	5060	mg/kg	10
LWDS-MW-1	89	23-AUG-92	LEAD		3	mg/kg	0.5
LWDS-MW-1	89	23-AUG-92	LEAD		2.8	mg/kg	0.5
LWDS-MW-1	89	23-AUG-92	LEAD-210		4	pCi/g	100000000
LWDS-MW-1	89	23-AUG-92	LEAD-212		0.5	pCi/g	100000000
LWDS-MW-1	89	23-AUG-92	LEAD-212		0.4	pCi/g	100000000
LWDS-MW-1	89	23-AUG-92	LEAD-214		0.6	pCi/g	100000000
LWDS-MW-1	89	23-AUG-92	LEAD-214		0.7	pCi/g	100000000
LWDS-MW-1	89	23-AUG-92	MAGNESIUM		2410	mg/kg	20
LWDS-MW-1	89	23-AUG-92	MAGNESIUM		2100	mg/kg	20
LWDS-MW-1	89	23-AUG-92	MANGANESE		105	mg/kg	1
LWDS-MW-1	89	23-AUG-92	MANGANESE		93.3	mg/kg	1
LWDS-MW-1	89	23-AUG-92	NICKEL		5.5	mg/kg	4
LWDS-MW-1	89	23-AUG-92	NICKEL		4.7	mg/kg	4
LWDS-MW-1	89	23-AUG-92	POTASSIUM		608	mg/kg	500
LWDS-MW-1	89	23-AUG-92	POTASSIUM-40		13	pCi/g	100000000
LWDS-MW-1	89	23-AUG-92	POTASSIUM-40		12	pCi/g	100000000
LWDS-MW-1	89	23-AUG-92	THALLIUM-208		0.2	pCi/g	100000000
LWDS-MW-1	89	23-AUG-92	THALLIUM-208		0.2	pCi/g	100000000
LWDS-MW-1	89	23-AUG-92	VANADIUM		11.4	mg/kg	1
LWDS-MW-1	89	23-AUG-92	VANADIUM		9.7	mg/kg	1
LWDS-MW-1	89	23-AUG-92	ZINC		15.5	mg/kg	2

.nple Name	Depth	Sample Date	Analyte	QC flag	Amount Detected	Units	Detection limit
.WDS-MW-1	89	23-AUG-92	ZINC	B	13.5	mg/kg	2
LWDS-MW-1	102	24-AUG-92	ACTINIUM-228		0.5	pCi/g	100000000
LWDS-MW-1	102	24-AUG-92	ALUMINUM		3430	mg/kg	10
LWDS-MW-1	102	24-AUG-92	ARSENIC		0.99	mg/kg	0.5
LWDS-MW-1	102	24-AUG-92	BARIUM		35.8	mg/kg	1
LWDS-MW-1	102	24-AUG-92	BERYLLIUM		0.4	mg/kg	0.2
LWDS-MW-1	102	24-AUG-92	BISMUTH-214		0.6	pCi/g	100000000
LWDS-MW-1	102	24-AUG-92	CALCIUM	B	71000	mg/kg	20
LWDS-MW-1	102	24-AUG-92	CHROMIUM		6.8	mg/kg	1
LWDS-MW-1	102	24-AUG-92	COBALT		3.5	mg/kg	1
LWDS-MW-1	102	24-AUG-92	COPPER		6.7	mg/kg	2
LWDS-MW-1	102	24-AUG-92	METHYLENE-CHLORIDE	B	14	ug/kg	5
LWDS-MW-1	102	24-AUG-92	IRON		8120	mg/kg	10
LWDS-MW-1	102	24-AUG-92	LEAD		2.6	mg/kg	0.5
LWDS-MW-1	102	24-AUG-92	LEAD-212		0.5	pCi/g	100000000
LWDS-MW-1	102	24-AUG-92	LEAD-214		0.4	pCi/g	100000000
LWDS-MW-1	102	24-AUG-92	MAGNESIUM		2830	mg/kg	20
LWDS-MW-1	102	24-AUG-92	MANGANESE		177	mg/kg	1
LWDS-MW-1	102	24-AUG-92	NICKEL		6.1	mg/kg	4
LWDS-MW-1	102	24-AUG-92	POTASSIUM		552	mg/kg	500
LWDS-MW-1	102	24-AUG-92	POTASSIUM-40		17	pCi/g	100000000
LWDS-MW-1	102	24-AUG-92	THALLIUM-208		0.2	pCi/g	100000000
LWDS-MW-1	102	24-AUG-92	VANADIUM		13.7	mg/kg	1
'/DS-MW-1	102	24-AUG-92	ZINC	B	27.3	mg/kg	2
./DS-MW-1	110	24-AUG-92	ACTINIUM-228		1.2	pCi/g	100000000
_WDS-MW-1	110	24-AUG-92	ACTINIUM-228		0.7	pCi/g	100000000
LWDS-MW-1	110	24-AUG-92	ALUMINUM		4120	mg/kg	10
LWDS-MW-1	110	24-AUG-92	ALUMINUM		4930	mg/kg	10
LWDS-MW-1	110	24-AUG-92	ARSENIC		1.4	mg/kg	0.5
LWDS-MW-1	110	24-AUG-92	ARSENIC		1.6	mg/kg	0.5
LWDS-MW-1	110	24-AUG-92	BARIUM		38.5	mg/kg	1
LWDS-MW-1	110	24-AUG-92	BARIUM		41.7	mg/kg	1
LWDS-MW-1	110	24-AUG-92	BERYLLIUM		0.43	mg/kg	0.2
LWDS-MW-1	110	24-AUG-92	BERYLLIUM		0.52	mg/kg	0.2
LWDS-MW-1	110	24-AUG-92	BISMUTH-214		0.7	pCi/g	100000000
LWDS-MW-1	110	24-AUG-92	BISMUTH-214		0.6	pCi/g	100000000
LWDS-MW-1	110	24-AUG-92	CALCIUM	B	22300	mg/kg	20
LWDS-MW-1	110	24-AUG-92	CALCIUM	B	25400	mg/kg	20
LWDS-MW-1	110	24-AUG-92	CHROMIUM		5.7	mg/kg	1
LWDS-MW-1	110	24-AUG-92	CHROMIUM		6.9	mg/kg	1
LWDS-MW-1	110	24-AUG-92	COBALT		4.5	mg/kg	1
LWDS-MW-1	110	24-AUG-92	COBALT		4.9	mg/kg	1
LWDS-MW-1	110	24-AUG-92	COPPER		5.9	mg/kg	2
LWDS-MW-1	110	24-AUG-92	COPPER		6.6	mg/kg	2
LWDS-MW-1	110	24-AUG-92	METHYLENE-CHLORIDE	B	5.5	ug/kg	5
LWDS-MW-1	110	24-AUG-92	METHYLENE-CHLORIDE	B	18	ug/kg	5
LWDS-MW-1	110	24-AUG-92	IRON		7800	mg/kg	10
LWDS-MW-1	110	24-AUG-92	IRON		9220	mg/kg	10
'/DS-MW-1	110	24-AUG-92	LEAD		4.2	mg/kg	0.5
./DS-MW-1	110	24-AUG-92	LEAD		4.4	mg/kg	0.5

Sample Name	Depth	Sample Date	Analyte	QC flag	Amount Detected	Units	Detection li
LWDS-MW-1	110	24-AUG-92	LEAD-212		0.7	pCi/g	100000000
LWDS-MW-1	110	24-AUG-92	LEAD-212		0.7	pCi/g	100000000
LWDS-MW-1	110	24-AUG-92	LEAD-214		0.7	pCi/g	100000000
LWDS-MW-1	110	24-AUG-92	LEAD-214		0.7	pCi/g	100000000
LWDS-MW-1	110	24-AUG-92	MAGNESIUM		2830	mg/kg	20
LWDS-MW-1	110	24-AUG-92	MAGNESIUM		3290	mg/kg	20
LWDS-MW-1	110	24-AUG-92	MANGANESE		195	mg/kg	1
LWDS-MW-1	110	24-AUG-92	MANGANESE		191	mg/kg	1
LWDS-MW-1	110	24-AUG-92	NICKEL		6.1	mg/kg	4
LWDS-MW-1	110	24-AUG-92	NICKEL		6.6	mg/kg	4
LWDS-MW-1	110	24-AUG-92	POTASSIUM		793	mg/kg	500
LWDS-MW-1	110	24-AUG-92	POTASSIUM		1010	mg/kg	500
LWDS-MW-1	110	24-AUG-92	POTASSIUM-40		18	pCi/g	100000000
LWDS-MW-1	110	24-AUG-92	POTASSIUM-40		19	pCi/g	100000000
LWDS-MW-1	110	24-AUG-92	THALLIUM-208		0.3	pCi/g	100000000
LWDS-MW-1	110	24-AUG-92	THALLIUM-208		0.3	pCi/g	100000000
LWDS-MW-1	110	24-AUG-92	VANADIUM		14	mg/kg	1
LWDS-MW-1	110	24-AUG-92	VANADIUM		16.7	mg/kg	1
LWDS-MW-1	110	24-AUG-92	ZINC	B	24.3	mg/kg	2
LWDS-MW-1	110	24-AUG-92	ZINC	B	24.6	mg/kg	2
LWDS-MW-1	120	25-AUG-92	ACETONE		15	ug/kg	10
LWDS-MW-1	120	25-AUG-92	ACTINIUM-228		0.7	pCi/g	100000000
LWDS-MW-1	120	25-AUG-92	ALUMINUM	B	3650	mg/kg	10
LWDS-MW-1	120	25-AUG-92	ARSENIC		1.2	mg/kg	0.5
LWDS-MW-1	120	25-AUG-92	BARIUM	B	45.8	mg/kg	1
LWDS-MW-1	120	25-AUG-92	BERYLLIUM		0.46	mg/kg	0.2
LWDS-MW-1	120	25-AUG-92	BISMUTH-214		0.4	pCi/g	100000000
LWDS-MW-1	120	25-AUG-92	CALCIUM	B	36200	mg/kg	20
LWDS-MW-1	120	25-AUG-92	CHROMIUM		11.5	mg/kg	1
LWDS-MW-1	120	25-AUG-92	COBALT		3.8	mg/kg	1
LWDS-MW-1	120	25-AUG-92	COPPER		8.7	mg/kg	2
LWDS-MW-1	120	25-AUG-92	IRON	B	9010	mg/kg	10
LWDS-MW-1	120	25-AUG-92	LEAD		3.1	mg/kg	0.5
LWDS-MW-1	120	25-AUG-92	LEAD-212		0.4	pCi/g	100000000
LWDS-MW-1	120	25-AUG-92	LEAD-214		0.5	pCi/g	100000000
LWDS-MW-1	120	25-AUG-92	MAGNESIUM	B	2620	mg/kg	20
LWDS-MW-1	120	25-AUG-92	MANGANESE	B	165	mg/kg	1
LWDS-MW-1	120	25-AUG-92	NICKEL		6.3	mg/kg	4
LWDS-MW-1	120	25-AUG-92	POTASSIUM		620	mg/kg	500
LWDS-MW-1	120	25-AUG-92	POTASSIUM-40		18	pCi/g	100000000
LWDS-MW-1	120	25-AUG-92	THALLIUM-208		0.2	pCi/g	100000000
LWDS-MW-1	120	25-AUG-92	VANADIUM		14.5	mg/kg	1
LWDS-MW-1	120	25-AUG-92	ZINC	B	23.1	mg/kg	2
LWDS-MW-1	130	25-AUG-92	ACTINIUM-228		1.1	pCi/g	100000000
LWDS-MW-1	130	25-AUG-92	ALUMINUM	B	10700	mg/kg	10
LWDS-MW-1	130	25-AUG-92	ARSENIC		2.1	mg/kg	0.5
LWDS-MW-1	130	25-AUG-92	BARIUM	B	85.5	mg/kg	1
LWDS-MW-1	130	25-AUG-92	BERYLLIUM		0.88	mg/kg	0.2
LWDS-MW-1	130	25-AUG-92	BISMUTH-214		0.7	pCi/g	100000000
LWDS-MW-1	130	25-AUG-92	CALCIUM	B	36100	mg/kg	20

.nple Name	Depth	Sample Date	Analyte	QC flag	Amount Detected	Units	Detection limit
_WDS-MW-1	130	25-AUG-92	CHROMIUM		12.9	mg/kg	1
LWDS-MW-1	130	25-AUG-92	COBALT		8.3	mg/kg	1
LWDS-MW-1	130	25-AUG-92	COPPER		15.4	mg/kg	2
LWDS-MW-1	130	25-AUG-92	METHYLENE-CHLORIDE	B	8.6	ug/kg	5
LWDS-MW-1	130	25-AUG-92	IRON	B	16800	mg/kg	10
LWDS-MW-1	130	25-AUG-92	LEAD		10	mg/kg	1
LWDS-MW-1	130	25-AUG-92	LEAD-212		0.8	pCi/g	100000000
LWDS-MW-1	130	25-AUG-92	LEAD-214		0.7	pCi/g	100000000
LWDS-MW-1	130	25-AUG-92	MAGNESIUM	B	7080	mg/kg	20
LWDS-MW-1	130	25-AUG-92	MANGANESE	B	383	mg/kg	1
LWDS-MW-1	130	25-AUG-92	NICKEL		13.7	mg/kg	4
LWDS-MW-1	130	25-AUG-92	POTASSIUM		1670	mg/kg	500
LWDS-MW-1	130	25-AUG-92	POTASSIUM-40		15	pCi/g	100000000
LWDS-MW-1	130	25-AUG-92	THALLIUM-208		0.3	pCi/g	100000000
LWDS-MW-1	130	25-AUG-92	TRITIUM		0.1	pCi/g	100000000
LWDS-MW-1	130	25-AUG-92	VANADIUM		31.9	mg/kg	1
LWDS-MW-1	130	25-AUG-92	ZINC	B	49.1	mg/kg	2
LWDS-MW-1	143	02-SEP-92	2-BUTANONE		20	ug/kg	10
LWDS-MW-1	143	02-SEP-92	ACETONE		150	ug/kg	10
LWDS-MW-1	143	02-SEP-92	ACTINIUM-228		0.6	pCi/g	100000000
LWDS-MW-1	143	02-SEP-92	ALUMINUM		4790	mg/kg	10
LWDS-MW-1	143	02-SEP-92	ARSENIC		1.2	mg/kg	0.5
LWDS-MW-1	143	02-SEP-92	BARIUM		61.5	mg/kg	1
'DS-MW-1	143	02-SEP-92	BERYLLIUM		0.4	mg/kg	0.2
./DS-MW-1	143	02-SEP-92	BIS(2-ETHYLHEXYL)PHTHALATE		3000	ug/kg	330
_WDS-MW-1	143	02-SEP-92	BISMUTH-214		0.5	pCi/g	100000000
LWDS-MW-1	143	02-SEP-92	CALCIUM		29500	mg/kg	20
LWDS-MW-1	143	02-SEP-92	CHROMIUM		19	mg/kg	1
LWDS-MW-1	143	02-SEP-92	COBALT		5.2	mg/kg	1
LWDS-MW-1	143	02-SEP-92	COPPER		11.4	mg/kg	2
LWDS-MW-1	143	02-SEP-92	DI-N-BUTYL PHTHALATE		1600	ug/kg	330
LWDS-MW-1	143	02-SEP-92	METHYLENE-CHLORIDE		39	ug/kg	5
LWDS-MW-1	143	02-SEP-92	IRON		10200	mg/kg	10
LWDS-MW-1	143	02-SEP-92	LEAD		5.1	mg/kg	5
LWDS-MW-1	143	02-SEP-92	LEAD-212		0.5	pCi/g	100000000
LWDS-MW-1	143	02-SEP-92	LEAD-214		0.4	pCi/g	100000000
LWDS-MW-1	143	02-SEP-92	MAGNESIUM		2710	mg/kg	20
LWDS-MW-1	143	02-SEP-92	MANGANESE		187	mg/kg	1
LWDS-MW-1	143	02-SEP-92	NICKEL		7.8	mg/kg	4
LWDS-MW-1	143	02-SEP-92	POTASSIUM		920	mg/kg	500
LWDS-MW-1	143	02-SEP-92	POTASSIUM-40		17	pCi/g	100000000
LWDS-MW-1	143	02-SEP-92	THALLIUM-208		0.2	pCi/g	100000000
LWDS-MW-1	143	02-SEP-92	VANADIUM		16	mg/kg	1
LWDS-MW-1	143	02-SEP-92	ZINC		34.2	mg/kg	2
LWDS-MW-1	150	02-SEP-92	ACETONE		23	ug/kg	10
LWDS-MW-1	150	02-SEP-92	ACTINIUM-228		0.6	pCi/g	100000000
LWDS-MW-1	150	02-SEP-92	ALUMINUM		5140	mg/kg	10
LWDS-MW-1	150	02-SEP-92	ANTIMONY		6.3	mg/kg	6
'DS-MW-1	150	02-SEP-92	ARSENIC		1.6	mg/kg	0.5
./DS-MW-1	150	02-SEP-92	BARIUM		61.4	mg/kg	1

Sample Name	Depth	Sample Date	Analyte	QC flag	Amount Detected	Units	Detection lim
LWDS-MW-1	150	02-SEP-92	BERYLLIUM		0.41	mg/kg	0.2
LWDS-MW-1	150	02-SEP-92	BISMUTH-214		0.5	pCi/g	100000000
LWDS-MW-1	150	02-SEP-92	CALCIUM		42200	mg/kg	20
LWDS-MW-1	150	02-SEP-92	CHROMIUM		22.3	mg/kg	1
LWDS-MW-1	150	02-SEP-92	COBALT		4.6	mg/kg	1
LWDS-MW-1	150	02-SEP-92	COPPER		8.5	mg/kg	2
LWDS-MW-1	150	02-SEP-92	DI-N-BUTYL PHTHALATE		1200	ug/kg	330
LWDS-MW-1	150	02-SEP-92	METHYLENE-CHLORIDE		34	ug/kg	5
LWDS-MW-1	150	02-SEP-92	IRON		11800	mg/kg	10
LWDS-MW-1	150	02-SEP-92	LEAD		5.6	mg/kg	5
LWDS-MW-1	150	02-SEP-92	LEAD-212		0.5	pCi/g	100000000
LWDS-MW-1	150	02-SEP-92	LEAD-214		0.5	pCi/g	100000000
LWDS-MW-1	150	02-SEP-92	MAGNESIUM		3140	mg/kg	20
LWDS-MW-1	150	02-SEP-92	MANGANESE		182	mg/kg	1
LWDS-MW-1	150	02-SEP-92	NICKEL		6.5	mg/kg	4
LWDS-MW-1	150	02-SEP-92	POTASSIUM		943	mg/kg	500
LWDS-MW-1	150	02-SEP-92	POTASSIUM-40		15	pCi/g	100000000
LWDS-MW-1	150	02-SEP-92	THALLIUM-208		0.2	pCi/g	100000000
LWDS-MW-1	150	02-SEP-92	VANADIUM		22.4	mg/kg	1
LWDS-MW-1	150	02-SEP-92	ZINC		24.3	mg/kg	2
LWDS-MW-1	176	06-APR-93	ACETONE		8.2	ug/kg	10
LWDS-MW-1	176	06-APR-93	ACTINIUM-228		0.94	pCi/g	0.36
LWDS-MW-1	176	06-APR-93	ALUMINUM		5390	mg/kg	10
LWDS-MW-1	176	06-APR-93	ARSENIC		1.5	mg/kg	0.5
LWDS-MW-1	176	06-APR-93	BARIUM		39.9	mg/kg	1
LWDS-MW-1	176	06-APR-93	BERYLLIUM		0.66	mg/kg	0.2
LWDS-MW-1	176	06-APR-93	BIS(2-ETHYLHEXYL)PHTHALATE		200	ug/kg	330
LWDS-MW-1	176	06-APR-93	CALCIUM		22600	mg/kg	20
LWDS-MW-1	176	06-APR-93	CHROMIUM		7.3	mg/kg	1
LWDS-MW-1	176	06-APR-93	COBALT		4.3	mg/kg	1
LWDS-MW-1	176	06-APR-93	COPPER		8	mg/kg	2
LWDS-MW-1	176	06-APR-93	METHYLENE-CHLORIDE	B	3.1	ug/kg	5
LWDS-MW-1	176	06-APR-93	IRON		9000	mg/kg	10
LWDS-MW-1	176	06-APR-93	LEAD		4.6	mg/kg	0.5
LWDS-MW-1	176	06-APR-93	LEAD-212		0.86	pCi/g	0.16
LWDS-MW-1	176	06-APR-93	LEAD-214		0.71	pCi/g	0.22
LWDS-MW-1	176	06-APR-93	MAGNESIUM		3080	mg/kg	20
LWDS-MW-1	176	06-APR-93	MANGANESE		259	mg/kg	1
LWDS-MW-1	176	06-APR-93	NICKEL		7.7	mg/kg	4
LWDS-MW-1	176	06-APR-93	POTASSIUM		1270	mg/kg	500
LWDS-MW-1	176	06-APR-93	POTASSIUM-40		13	pCi/g	0.58
LWDS-MW-1	176	06-APR-93	RADIUM-226		0.54	pCi/g	0.2
LWDS-MW-1	176	06-APR-93	THORIUM-232		0.94	pCi/g	0.36
LWDS-MW-1	176	06-APR-93	URANIUM-235		0.12	pCi/g	0.16
LWDS-MW-1	176	06-APR-93	VANADIUM		16.5	mg/kg	1
LWDS-MW-1	176	06-APR-93	ZINC		25.3	mg/kg	2
LWDS-MW-1	202	08-APR-93	ACTINIUM-228		0.48	pCi/g	0.53
LWDS-MW-1	202	08-APR-93	ALUMINUM		4930	mg/kg	10
LWDS-MW-1	202	08-APR-93	ARSENIC		2.2	mg/kg	0.5
LWDS-MW-1	202	08-APR-93	BARIUM		85.4	mg/kg	1

nple Name	Depth	Sample Date	Analyte	QC flag	Amount Detected	Units	Detection limit
WDS-MW-1	202	08-APR-93	BERYLLIUM		0.33	mg/kg	0.2
LWDS-MW-1	202	08-APR-93	BIS(2-ETHYLHEXYL)PHTHALATE		500	ug/kg	330
LWDS-MW-1	202	08-APR-93	CALCIUM		23900	mg/kg	20
LWDS-MW-1	202	08-APR-93	CHROMIUM		15.7	mg/kg	1
LWDS-MW-1	202	08-APR-93	COBALT		4.2	mg/kg	1
LWDS-MW-1	202	08-APR-93	COPPER		9.2	mg/kg	2
LWDS-MW-1	202	08-APR-93	IRON		8200	mg/kg	10
LWDS-MW-1	202	08-APR-93	LEAD		4.9	mg/kg	0.5
LWDS-MW-1	202	08-APR-93	LEAD-212		0.92	pCi/g	0.18
LWDS-MW-1	202	08-APR-93	LEAD-214		0.64	pCi/g	0.25
LWDS-MW-1	202	08-APR-93	MAGNESIUM		2910	mg/kg	20
LWDS-MW-1	202	08-APR-93	MANGANESE		247	mg/kg	1
LWDS-MW-1	202	08-APR-93	NICKEL		7.2	mg/kg	4
LWDS-MW-1	202	08-APR-93	POTASSIUM		1060	mg/kg	500
LWDS-MW-1	202	08-APR-93	POTASSIUM-40		13	pCi/g	1.2
LWDS-MW-1	202	08-APR-93	RADIUM-226		0.58	pCi/g	0.18
LWDS-MW-1	202	08-APR-93	THALLIUM		0.16	mg/kg	0.5
LWDS-MW-1	202	08-APR-93	THORIUM-231		0.36	pCi/g	0.76
LWDS-MW-1	202	08-APR-93	THORIUM-232		0.48	pCi/g	0.53
LWDS-MW-1	202	08-APR-93	URANIUM-235		0.12	pCi/g	0.19
LWDS-MW-1	202	08-APR-93	URANIUM-238		1.5	pCi/g	1.6
LWDS-MW-1	202	08-APR-93	VANADIUM		15	mg/kg	1
LWDS-MW-1	202	08-APR-93	ZINC		21.6	mg/kg	2
'DS-MW-1	226	13-APR-93	ACETONE		8	ug/kg	10
₄VDS-MW-1	226	13-APR-93	ACTINIUM-228		0.75	pCi/g	0.49
WDS-MW-1	226	13-APR-93	ALUMINUM		6510	mg/kg	10
LWDS-MW-1	226	13-APR-93	ARSENIC		3.6	mg/kg	0.5
LWDS-MW-1	226	13-APR-93	BARIUM		53.5	mg/kg	1
LWDS-MW-1	226	13-APR-93	BERYLLIUM		0.51	mg/kg	0.2
LWDS-MW-1	226	13-APR-93	BIS(2-ETHYLHEXYL)PHTHALATE		560	ug/kg	330
LWDS-MW-1	226	13-APR-93	CALCIUM		57100	mg/kg	20
LWDS-MW-1	226	13-APR-93	CHROMIUM		8.7	mg/kg	1
LWDS-MW-1	226	13-APR-93	COBALT		5.7	mg/kg	1
LWDS-MW-1	226	13-APR-93	COPPER		11.5	mg/kg	2
LWDS-MW-1	226	13-APR-93	METHYLENE-CHLORIDE	B	1.1	ug/kg	5
LWDS-MW-1	226	13-APR-93	IRON		11000	mg/kg	10
LWDS-MW-1	226	13-APR-93	LEAD		7.6	mg/kg	1
LWDS-MW-1	226	13-APR-93	LEAD-212		0.96	pCi/g	0.17
LWDS-MW-1	226	13-APR-93	LEAD-214		0.94	pCi/g	0.28
LWDS-MW-1	226	13-APR-93	MAGNESIUM		4240	mg/kg	20
LWDS-MW-1	226	13-APR-93	MANGANESE		232	mg/kg	1
LWDS-MW-1	226	13-APR-93	NICKEL		10.1	mg/kg	4
LWDS-MW-1	226	13-APR-93	POTASSIUM		1140	mg/kg	500
LWDS-MW-1	226	13-APR-93	POTASSIUM-40		14	pCi/g	1.2
LWDS-MW-1	226	13-APR-93	RADIUM-226		0.8	pCi/g	0.3
LWDS-MW-1	226	13-APR-93	SELENIUM		0.3	mg/kg	1
LWDS-MW-1	226	13-APR-93	THORIUM-232		0.75	pCi/g	0.49
LWDS-MW-1	226	13-APR-93	THORIUM-234		0.53	pCi/g	1.2
'DS-MW-1	226	13-APR-93	URANIUM-235		0.061	pCi/g	0.15
₄VDS-MW-1	226	13-APR-93	URANIUM-238		1.7	pCi/g	2

Sample Name	Depth	Sample Date	Analyte	QC flag	Amount Detected	Units	Detection lir
LWDS-MW-1	226	13-APR-93	VANADIUM		20.1	mg/kg	1
LWDS-MW-1	226	13-APR-93	ZINC		30.1	mg/kg	2
LWDS-MW-1	250	14-APR-93	ACTINIUM-228		0.96	pCi/g	0.53
LWDS-MW-1	250	14-APR-93	ALUMINUM		4870	mg/kg	10
LWDS-MW-1	250	14-APR-93	ARSENIC		1.9	mg/kg	0.5
LWDS-MW-1	250	14-APR-93	BARIUM		54.1	mg/kg	1
LWDS-MW-1	250	14-APR-93	BERYLLIUM		0.44	mg/kg	0.2
LWDS-MW-1	250	14-APR-93	BIS(2-ETHYLHEXYL)PHTHALATE		86	ug/kg	330
LWDS-MW-1	250	14-APR-93	CALCIUM		18200	mg/kg	20
LWDS-MW-1	250	14-APR-93	CHROMIUM		6.5	mg/kg	1
LWDS-MW-1	250	14-APR-93	COBALT		3.7	mg/kg	1
LWDS-MW-1	250	14-APR-93	COPPER		6.6	mg/kg	2
LWDS-MW-1	250	14-APR-93	METHYLENE-CHLORIDE	B	1.2	ug/kg	5
LWDS-MW-1	250	14-APR-93	IRON		8760	mg/kg	10
LWDS-MW-1	250	14-APR-93	LEAD		5.9	mg/kg	0.5
LWDS-MW-1	250	14-APR-93	LEAD-212		0.92	pCi/g	0.12
LWDS-MW-1	250	14-APR-93	LEAD-214		0.64	pCi/g	0.22
LWDS-MW-1	250	14-APR-93	MAGNESIUM		2720	mg/kg	20
LWDS-MW-1	250	14-APR-93	MANGANESE		185	mg/kg	1
LWDS-MW-1	250	14-APR-93	NICKEL		6.2	mg/kg	4
LWDS-MW-1	250	14-APR-93	POTASSIUM		955	mg/kg	500
LWDS-MW-1	250	14-APR-93	POTASSIUM-40		13	pCi/g	1
LWDS-MW-1	250	14-APR-93	RADIUM-226		0.59	pCi/g	0.31
LWDS-MW-1	250	14-APR-93	THALLIUM		0.16	mg/kg	0.5
LWDS-MW-1	250	14-APR-93	THORIUM-232		0.96	pCi/g	0.53
LWDS-MW-1	250	14-APR-93	URANIUM-235		0.004	pCi/g	0.12
LWDS-MW-1	250	14-APR-93	URANIUM-238		0.79	pCi/g	1.5
LWDS-MW-1	250	14-APR-93	VANADIUM		16.3	mg/kg	1
LWDS-MW-1	250	14-APR-93	ZINC		21.2	mg/kg	2
LWDS-MW-1	274	15-APR-93	ACETONE	B	7.8	ug/kg	10
LWDS-MW-1	274	15-APR-93	ACTINIUM-228		0.68	pCi/g	0.51
LWDS-MW-1	274	15-APR-93	ALUMINUM		5230	mg/kg	10
LWDS-MW-1	274	15-APR-93	ARSENIC		1.8	mg/kg	0.5
LWDS-MW-1	274	15-APR-93	BARIUM		77.3	mg/kg	1
LWDS-MW-1	274	15-APR-93	BERYLLIUM		0.44	mg/kg	0.2
LWDS-MW-1	274	15-APR-93	BIS(2-ETHYLHEXYL)PHTHALATE		750	ug/kg	330
LWDS-MW-1	274	15-APR-93	CALCIUM		29100	mg/kg	20
LWDS-MW-1	274	15-APR-93	CHROMIUM		11.4	mg/kg	1
LWDS-MW-1	274	15-APR-93	COBALT		4.2	mg/kg	1
LWDS-MW-1	274	15-APR-93	COPPER		8.5	mg/kg	2
LWDS-MW-1	274	15-APR-93	IRON		9640	mg/kg	10
LWDS-MW-1	274	15-APR-93	LEAD		4.6	mg/kg	0.5
LWDS-MW-1	274	15-APR-93	LEAD-212		0.92	pCi/g	0.16
LWDS-MW-1	274	15-APR-93	LEAD-214		0.56	pCi/g	0.23
LWDS-MW-1	274	15-APR-93	MAGNESIUM		2910	mg/kg	20
LWDS-MW-1	274	15-APR-93	MANGANESE		208	mg/kg	1
LWDS-MW-1	274	15-APR-93	NICKEL		8.1	mg/kg	4
LWDS-MW-1	274	15-APR-93	POTASSIUM		1080	mg/kg	500
LWDS-MW-1	274	15-APR-93	POTASSIUM-40		14	pCi/g	1.2
LWDS-MW-1	274	15-APR-93	RADIUM-226		0.7	pCi/g	0.2

..mple Name	Depth	Sample Date	Analyte	QC flag	Amount Detected	Units	Detection limit
_WDS-MW-1	274	15-APR-93	SILVER		0.72	mg/kg	1
LWDS-MW-1	274	15-APR-93	THALLIUM		0.1	mg/kg	1
LWDS-MW-1	274	15-APR-93	THORIUM-232		0.68	pCi/g	0.51
LWDS-MW-1	274	15-APR-93	URANIUM-235		0.049	pCi/g	0.12
LWDS-MW-1	274	15-APR-93	VANADIUM		17.1	mg/kg	1
LWDS-MW-1	274	15-APR-93	ZINC		23.4	mg/kg	2
LWDS-MW-1	315	17-APR-93	ACETONE	B	8.1	ug/kg	10
LWDS-MW-1	315	17-APR-93	ACTINIUM-228		1	pCi/g	0.52
LWDS-MW-1	315	17-APR-93	ALUMINUM		7020	mg/kg	10
LWDS-MW-1	315	17-APR-93	ARSENIC		1.9	mg/kg	0.5
LWDS-MW-1	315	17-APR-93	BARIUM		94.9	mg/kg	1
LWDS-MW-1	315	17-APR-93	BERYLLIUM		0.48	mg/kg	0.2
LWDS-MW-1	315	17-APR-93	BIS(2-ETHYLHEXYL)PHTHALATE		520	ug/kg	330
LWDS-MW-1	315	17-APR-93	CALCIUM		40800	mg/kg	20
LWDS-MW-1	315	17-APR-93	CHROMIUM		20.5	mg/kg	1
LWDS-MW-1	315	17-APR-93	COBALT		5	mg/kg	1
LWDS-MW-1	315	17-APR-93	COPPER		11.1	mg/kg	2
LWDS-MW-1	315	17-APR-93	METHYLENE-CHLORIDE	B	1.1	ug/kg	5
LWDS-MW-1	315	17-APR-93	IRON		11600	mg/kg	10
LWDS-MW-1	315	17-APR-93	LEAD		4.3	mg/kg	0.5
LWDS-MW-1	315	17-APR-93	LEAD-212		0.83	pCi/g	0.18
LWDS-MW-1	315	17-APR-93	LEAD-214		0.84	pCi/g	0.31
LWDS-MW-1	315	17-APR-93	MAGNESIUM		3370	mg/kg	20
'DS-MW-1	315	17-APR-93	MANGANESE		247	mg/kg	1
./DS-MW-1	315	17-APR-93	NICKEL		9.4	mg/kg	4
_WDS-MW-1	315	17-APR-93	POTASSIUM		1400	mg/kg	500
LWDS-MW-1	315	17-APR-93	POTASSIUM-40		15	pCi/g	1.5
LWDS-MW-1	315	17-APR-93	RADIUM-226		0.6	pCi/g	0.25
LWDS-MW-1	315	17-APR-93	SELENIUM		0.35	mg/kg	0.5
LWDS-MW-1	315	17-APR-93	THORIUM-232		1	pCi/g	0.52
LWDS-MW-1	315	17-APR-93	URANIUM-235		0.16	pCi/g	0.17
LWDS-MW-1	315	17-APR-93	VANADIUM		17.8	mg/kg	1
LWDS-MW-1	315	17-APR-93	ZINC		28.6	mg/kg	2
LWDS-MW-1	346	19-APR-93	ACETONE	B	8.7	ug/kg	10
LWDS-MW-1	346	19-APR-93	ACETONE		11	ug/kg	10
LWDS-MW-1	346	19-APR-93	ACTINIUM-228		0.76	pCi/g	0.45
LWDS-MW-1	346	19-APR-93	ACTINIUM-228		0.62	pCi/g	0.45
LWDS-MW-1	346	19-APR-93	ALUMINUM		6890	mg/kg	10
LWDS-MW-1	346	19-APR-93	ALUMINUM		6480	mg/kg	10
LWDS-MW-1	346	19-APR-93	ARSENIC		2.2	mg/kg	0.5
LWDS-MW-1	346	19-APR-93	ARSENIC		2.4	mg/kg	0.5
LWDS-MW-1	346	19-APR-93	BARIUM		68.3	mg/kg	1
LWDS-MW-1	346	19-APR-93	BARIUM		70.7	mg/kg	1
LWDS-MW-1	346	19-APR-93	BERYLLIUM		0.52	mg/kg	0.2
LWDS-MW-1	346	19-APR-93	BERYLLIUM		0.52	mg/kg	0.2
LWDS-MW-1	346	19-APR-93	BIS(2-ETHYLHEXYL)PHTHALATE	D	36	ug/kg	330
LWDS-MW-1	346	19-APR-93	BIS(2-ETHYLHEXYL)PHTHALATE	D	93	ug/kg	330
LWDS-MW-1	346	19-APR-93	CALCIUM		17700	mg/kg	20
'DS-MW-1	346	19-APR-93	CALCIUM		19700	mg/kg	20
./DS-MW-1	346	19-APR-93	CHROMIUM		5.4	mg/kg	1

Sample Name	Depth	Sample Date	Analyte	QC flag	Amount Detected	Units	Detection lim
LWDS-MW-1	346	19-APR-93	CHROMIUM		7.7	mg/kg	1
LWDS-MW-1	346	19-APR-93	COBALT		5.1	mg/kg	1
LWDS-MW-1	346	19-APR-93	COBALT		4.7	mg/kg	1
LWDS-MW-1	346	19-APR-93	COPPER		7.5	mg/kg	2
LWDS-MW-1	346	19-APR-93	COPPER		7.6	mg/kg	2
LWDS-MW-1	346	19-APR-93	METHYLENE-CHLORIDE		1.3	ug/kg	5
LWDS-MW-1	346	19-APR-93	IRON		9900	mg/kg	10
LWDS-MW-1	346	19-APR-93	IRON		10000	mg/kg	10
LWDS-MW-1	346	19-APR-93	LEAD		4.3	mg/kg	0.5
LWDS-MW-1	346	19-APR-93	LEAD		3.9	mg/kg	0.5
LWDS-MW-1	346	19-APR-93	LEAD-212		0.68	pCi/g	0.14
LWDS-MW-1	346	19-APR-93	LEAD-212		0.56	pCi/g	0.18
LWDS-MW-1	346	19-APR-93	LEAD-214		0.64	pCi/g	0.22
LWDS-MW-1	346	19-APR-93	LEAD-214		0.71	pCi/g	0.24
LWDS-MW-1	346	19-APR-93	MAGNESIUM		3190	mg/kg	20
LWDS-MW-1	346	19-APR-93	MAGNESIUM		2950	mg/kg	20
LWDS-MW-1	346	19-APR-93	MANGANESE		256	mg/kg	1
LWDS-MW-1	346	19-APR-93	MANGANESE		217	mg/kg	1
LWDS-MW-1	346	19-APR-93	NICKEL		7.7	mg/kg	4
LWDS-MW-1	346	19-APR-93	NICKEL		7.5	mg/kg	4
LWDS-MW-1	346	19-APR-93	POTASSIUM		1230	mg/kg	500
LWDS-MW-1	346	19-APR-93	POTASSIUM		1180	mg/kg	500
LWDS-MW-1	346	19-APR-93	POTASSIUM-40		14	pCi/g	0.83
LWDS-MW-1	346	19-APR-93	POTASSIUM-40		12	pCi/g	0.68
LWDS-MW-1	346	19-APR-93	RADIUM-226		0.56	pCi/g	0.2
LWDS-MW-1	346	19-APR-93	RADIUM-226		0.56	pCi/g	0.19
LWDS-MW-1	346	19-APR-93	THORIUM-232		0.76	pCi/g	0.45
LWDS-MW-1	346	19-APR-93	THORIUM-232		0.62	pCi/g	0.45
LWDS-MW-1	346	19-APR-93	THORIUM-234		0.42	pCi/g	1.1
LWDS-MW-1	346	19-APR-93	TOLUENE		8	ug/kg	5
LWDS-MW-1	346	19-APR-93	URANIUM-235		0.093	pCi/g	0.099
LWDS-MW-1	346	19-APR-93	URANIUM-235		0.075	pCi/g	0.17
LWDS-MW-1	346	19-APR-93	URANIUM-238		0.91	pCi/g	1.4
LWDS-MW-1	346	19-APR-93	URANIUM-238		0.79	pCi/g	1.6
LWDS-MW-1	346	19-APR-93	VANADIUM		18.6	mg/kg	1
LWDS-MW-1	346	19-APR-93	VANADIUM		18.6	mg/kg	1
LWDS-MW-1	346	19-APR-93	ZINC		26.1	mg/kg	2
LWDS-MW-1	346	19-APR-93	ZINC		25.8	mg/kg	2
LWDS-MW-1	390	21-APR-93	ACETONE		4.5	ug/kg	10
LWDS-MW-1	390	21-APR-93	ACTINIUM-228		0.7	pCi/g	0.45
LWDS-MW-1	390	21-APR-93	ALUMINUM		5860	mg/kg	10
LWDS-MW-1	390	21-APR-93	ARSENIC		2.5	mg/kg	0.5
LWDS-MW-1	390	21-APR-93	BARIUM		64.2	mg/kg	1
LWDS-MW-1	390	21-APR-93	BERYLLIUM		0.44	mg/kg	0.2
LWDS-MW-1	390	21-APR-93	BIS(2-ETHYLHEXYL)PHTHALATE		61	ug/kg	330
LWDS-MW-1	390	21-APR-93	CALCIUM		40800	mg/kg	20
LWDS-MW-1	390	21-APR-93	CHROMIUM		4.6	mg/kg	1
LWDS-MW-1	390	21-APR-93	COBALT		4.2	mg/kg	1
LWDS-MW-1	390	21-APR-93	COPPER		6.7	mg/kg	2
LWDS-MW-1	390	21-APR-93	IRON		9340	mg/kg	10

nple Name	Depth	Sample Date	Analyte	QC flag	Amount Detected	Units	Detection limit
WDS-MW-1	390	21-APR-93	LEAD		4.3	mg/kg	0.5
LWDS-MW-1	390	21-APR-93	LEAD-212		0.71	pCi/g	0.15
LWDS-MW-1	390	21-APR-93	LEAD-214		0.57	pCi/g	0.28
LWDS-MW-1	390	21-APR-93	MAGNESIUM		2950	mg/kg	20
LWDS-MW-1	390	21-APR-93	MANGANESE		211	mg/kg	1
LWDS-MW-1	390	21-APR-93	NICKEL		7.9	mg/kg	4
LWDS-MW-1	390	21-APR-93	POTASSIUM		957	mg/kg	500
LWDS-MW-1	390	21-APR-93	POTASSIUM-40		13	pCi/g	0.72
LWDS-MW-1	390	21-APR-93	RADIUM-226		0.77	pCi/g	0.23
LWDS-MW-1	390	21-APR-93	THORIUM-232		0.7	pCi/g	0.45
LWDS-MW-1	390	21-APR-93	TOLUENE		2.5	ug/kg	5
LWDS-MW-1	390	21-APR-93	URANIUM-235		0.13	pCi/g	0.16
LWDS-MW-1	390	21-APR-93	VANADIUM		16.9	mg/kg	1
LWDS-MW-1	390	21-APR-93	ZINC		24.3	mg/kg	2
LWDS-MW-1	444	27-APR-93	ACTINIUM-228		0.97	pCi/g	0.19
LWDS-MW-1	444	27-APR-93	ALUMINUM		6880	mg/kg	10
LWDS-MW-1	444	27-APR-93	ARSENIC		3.5	mg/kg	0.5
LWDS-MW-1	444	27-APR-93	BARIUM		67.8	mg/kg	1
LWDS-MW-1	444	27-APR-93	BERYLLIUM		0.43	mg/kg	0.2
LWDS-MW-1	444	27-APR-93	BIS(2-ETHYLHEXYL)PHTHALATE		700	ug/kg	330
LWDS-MW-1	444	27-APR-93	CADMIUM		0.42	mg/kg	0.5
LWDS-MW-1	444	27-APR-93	CALCIUM		20600	mg/kg	20
LWDS-MW-1	444	27-APR-93	CHROMIUM		8.6	mg/kg	1
LWDS-MW-1	444	27-APR-93	COBALT		4.6	mg/kg	1
LWDS-MW-1	444	27-APR-93	COPPER		8.7	mg/kg	2
LWDS-MW-1	444	27-APR-93	METHYLENE-CHLORIDE	B	2.4	ug/kg	5
LWDS-MW-1	444	27-APR-93	IRON		10500	mg/kg	10
LWDS-MW-1	444	27-APR-93	LEAD		6	mg/kg	2.5
LWDS-MW-1	444	27-APR-93	LEAD-212		1.1	pCi/g	0.071
LWDS-MW-1	444	27-APR-93	LEAD-214		0.83	pCi/g	0.1
LWDS-MW-1	444	27-APR-93	MAGNESIUM		3390	mg/kg	20
LWDS-MW-1	444	27-APR-93	MANGANESE		240	mg/kg	1
LWDS-MW-1	444	27-APR-93	NICKEL		8.4	mg/kg	4
LWDS-MW-1	444	27-APR-93	POTASSIUM		1570	mg/kg	500
LWDS-MW-1	444	27-APR-93	POTASSIUM-40		18	pCi/g	0.42
LWDS-MW-1	444	27-APR-93	RADIUM-226		0.72	pCi/g	0.087
LWDS-MW-1	444	27-APR-93	RUTHENIUM-106		0.3	pCi/g	0.37
LWDS-MW-1	444	27-APR-93	SELENIUM		0.3	mg/kg	0.5
LWDS-MW-1	444	27-APR-93	SODIUM		136	mg/kg	500
LWDS-MW-1	444	27-APR-93	THORIUM-231		0.48	pCi/g	0.33
LWDS-MW-1	444	27-APR-93	THORIUM-232		0.97	pCi/g	0.19
LWDS-MW-1	444	27-APR-93	THORIUM-234		1.8	pCi/g	0.66
LWDS-MW-1	444	27-APR-93	URANIUM-235		0.093	pCi/g	0.092
LWDS-MW-1	444	27-APR-93	VANADIUM		18	mg/kg	1
LWDS-MW-1	444	27-APR-93	ZINC		27.4	mg/kg	2

U.S. Department of Energy
Albuquerque Operations Office
Kirtland Area Office
P.O. Box 5400
Albuquerque, NM 87185-5400

JAN 15 1998

CERTIFIED MAIL - RETURN RECEIPT REQUESTED

Mr. Robert S. (Stu) Dinwiddie, Manager
New Mexico Environment Department
Hazardous and Radioactive Materials Bureau
RCRA Permits Management Program
2044 Galisteo Street
P.O. Box 26110
Santa Fe, NM 87505-2100

Dear Mr. Dinwiddie:

Enclosed are two copies of the Department Of Energy/Sandia National Laboratories response to the NMED Request for Supplemental Information (RSI), dated September 30, 1997, for the Liquid Waste Disposal System (LWDS) RCRA Facility Investigation.

If you have any questions, please contact John Gould at (505) 845-6089, or Mark Jackson at (505) 845-6288.

Sincerely,

George K. Lasky for

Michael J. Zamorski
Acting Area Manager

Enclosures

JAN 16 1998

cc w/enclosure:
S. Arp, AL, ERD
J. Parker, NMED-OB
R. Kennett, NMED-OB
D. Neleigh, EPA, Region 6 (2 copies via certified mail)

cc w/o enclosure:
B. Oms, KAO-AIP
W. Cox, SNL, MS 1147
D. Fate, SNL, MS 1148
S. Young, SNL, MS 1148
B. Garcia, NMED
S. Kruse, NMED
W. Moats, NMED

JAN 16 1998

Request for Supplemental Information:
Results of the Liquid Waste Disposal System RCRA Facility Investigation,
Sandia National Laboratories, Albuquerque, New Mexico

For purposes of clarity, text has been excerpted from the results of the Liquid Waste Disposal System (LWDS) RCRA Facility Investigation (RFI) and included in this review. These excerpts are in *italics* and precede the New Mexico Environment Department (NMED) comments.

GENERAL COMMENTS

1.a. **Although additional investigation is warranted, with the results of the LWDS RFI, Sandia National Laboratories/New Mexico (Sandia) has satisfactorily completed the exploratory study[1] phase of the investigation of the LWDS Environmental Restoration (ER) sites:**

a. Initial information on potential contaminants and hydrogeology has been gathered,

b. The sites have been sampled, and it has been determined that contamination exceeding SNL/NM's background levels for inorganic contaminants of concern (COCs) is present, and that organic contamination is present, and

c. Initial estimates of the volumes of contamination have been made.

The results of the LWDS RFI indicate that, in some areas, additional site investigation or a final study is needed to determine the nature and extent of the contamination. But first, Sandia should compare the results of the exploratory study with NMED-approved background concentrations. Also, the potential threat to ground water from subsurface contamination should be assessed and a conceptual hydrogeologic model prepared.

Response: The LWDS RFI Work Plan, upon which the RFI report was based, was approved by the U.S. Environmental Protection Agency (EPA) on June 1, 1994. Hence, the LWDS RFI was not an "exploratory study," but rather, a full-scale field investigation of the LWDS following a regulatory-approved approach. This investigation met its primary objectives, listed on page iii of the LWDS RFI report (SNL/NM 1995a). These objectives were to:

1. Define the nature and extent of contamination at each of the ER sites that comprise the LWDS
2. Identify potential contaminant transport pathways
3. Evaluate potential risks posed by the levels of contamination identified at the LWDS
4. Provide guidance for selecting remedial alternatives at the site, if necessary.

Surface and subsurface soil samples collected during the LWDS RFI identified several inorganic constituents exceeding the NMED-approved background levels for Sandia National Laboratories/New Mexico (SNL/NM) (see response to General Comment No. 2), as well as the presence of low-level organic contamination.

[1] Barth, D.S., and Mason, B.J., Soil Sampling Quality Assurance User's Guide: US Environmental Protection Agency Report No. EPA 600/4-84-043, 104 p.

However, the LWDS risk assessment and additional risk calculations [see SNL/NM's response to Comment 10 of the EPA comments related to the LWDS risk assessment in Attachment B] indicate that these low levels of contamination do not threaten human health or the environment. Thus, SNL/NM and the Department of Energy (DOE) do not agree that additional site investigation or a final study is needed to determine the nature and extent of the contamination.

Although the NMED-approved background concentrations for SNL/NM were not available when the LWDS RFI was written, a table comparing the more recent background concentration data to the maximum concentrations of contaminants detected in LWDS soils is presented in the response to General Comment No. 2. In addition, Attachment A presents all of the soil analytical data collected during the LWDS RFI, and compares these data to the NMED-approved maximum background values for SNL/NM (where available). The tables in Attachment A are presented on diskette, with only the first pages of each table printed as hard copy to allow a regulatory quality control (QC) check for appropriate format and information content.

SNL/NM and DOE recommend No Further Action (NFA) for the LWDS surface sites. SNL/NM and DOE also recommend that the LWDS NFA request be considered **separately** from all present Technical Area (TA)-V groundwater contamination issues. These recommendations are based on the fact that, although contamination was detected at all three sites, contamination levels are low and in most cases barely discernible above background, when applicable. Contamination is limited to the near-surface soils in the LWDS surface impoundments, the vicinity of the LWDS drainfield, and inside the LWDS holding tanks.

Furthermore, risk calculations conducted for the LWDS surface sites indicate that the sites do not threaten human health or the environment. Calculations conducted using maximum contaminant concentration values from the three surface sites indicate a maximum hazard index of 0.4 and a cancer risk of 7.0 E-6 (see Risk Assessment Comment 10 in Attachment B). RESRAD simulations (see Risk Assessment Comments 9 and 11 in Attachment B) demonstrate that the LWDS surface sites will meet the proposed EPA 15 millirem/year radiation dose limit (assuming ER Site 4 is filled with 2 meters of clean soil).

Because SNL/NM and DOE intend to continue monitoring groundwater quality at the LWDS and TA-V (regardless of whether or not the NFA is approved for the LWDS surface sites), SNL/NM and DOE request that groundwater issues at LWDS and TA-V be addressed separately from the LWDS surface sites. The lack of organic contamination in soils at the LWDS sites indicates that the sites are not presently contributing to trichloroethene (TCE) contamination in groundwater at TA-V. Hence, there is no reason to further investigate these sites, in terms of how they relate to TA-V groundwater quality, and an NFA can be considered regardless of the ongoing groundwater issues.

Although the LWDS RFI is focused primarily on the LWDS ER sites and on surface contamination issues, a brief summary of the TA-V groundwater issues and information concerning the hydrogeologic conceptual model is presented below.

Trichloroethene Contamination in TA-V Groundwater

The present TA-V groundwater monitoring network consists of nine wells (Figure 1). Monitoring wells LWDS-MW1 and LWDS-MW2 were installed in 1993 and 1992, respectively, during the LWDS investigation. Monitoring wells TAV-MW1 and TAV-MW2 were installed in 1995 as part of the TA-III/V seepage pit (ER Site 275) investigation, while wells AVN-1 and AVN-2 were completed in 1995 as part of the Site-Wide Hydrogeologic Characterization (SWHC) Program. In 1997, three additional monitoring

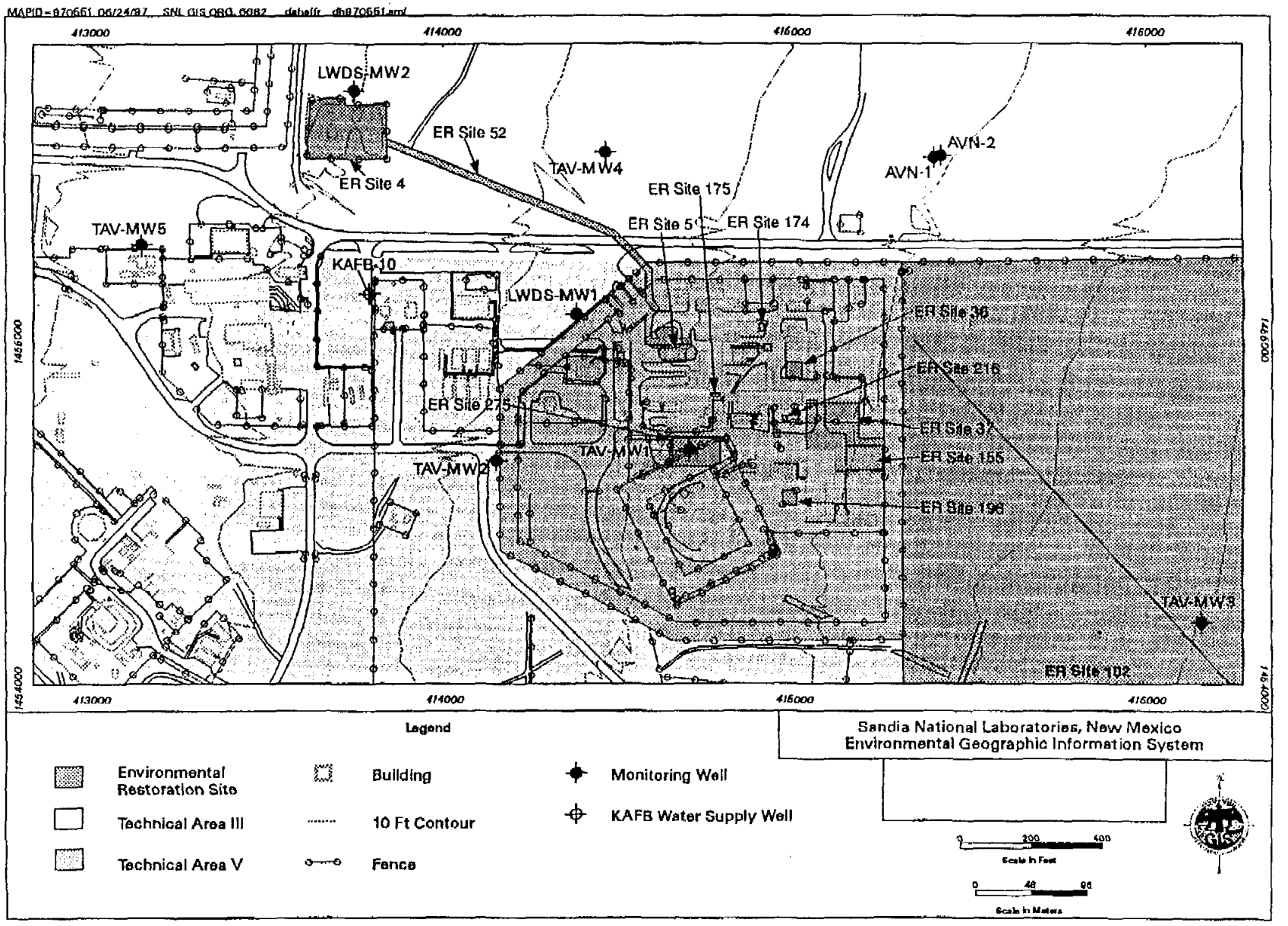


Figure 1. TA-V Monitoring Well Network.

wells (TAV-MW3, TAV-MW4, and TAV-MW5) were installed to further characterize groundwater in the vicinity of TA-V.

TCE and its degradation product, 1,2-dichloroethene (DCE), were first detected in LWDS-MW1 in November 1993 at concentrations of 6 and 1 parts per billion (ppb), respectively. TCE was later detected in monitoring well TAV-MW1 at a concentration of 1.44 ppb in December 1995. Figure 2 presents a graph of TCE concentrations with time in monitoring wells LWDS-MW1 and TAV-MW1.

In October 1995, TCE concentrations of up to 2.2 ppb were also detected in the inactive production well KAFB-10, located 600 feet west of LWDS-MW1. This well has since been plugged and abandoned to prevent cross-contamination of the deeper zones within the regional aquifer.

Hydrogeologic Conceptual Model

The TA-V hydrogeologic conceptual model continues to evolve as SNL/NM and DOE conduct additional characterization, and as more data are obtained concerning potential contaminant sources for TCE in groundwater.

The investigations conducted during RFI field work for the LWDS and the TA-III/V operating units have not conclusively identified any TCE sources in near-surface soils in the vicinity of TA-V that could account for the TCE groundwater contamination. For this reason, it is believed that the TA-V groundwater contamination may be a result of the historical liquid waste-disposal practices at the LWDS or other wastewater systems at TA-V, when liquid process-wastes that may have contained TCE were disposed of through the LWDS drainfield or the TA-V seepage pits. The six TA-V seepage pits (ER Site 275) and two nearby septic tanks received nearly all process and septic water from TA-V activities conducted from the early 1960s until 1992, when the facilities at TA-V were connected to the Albuquerque publicly-owned treatment works (POTW).

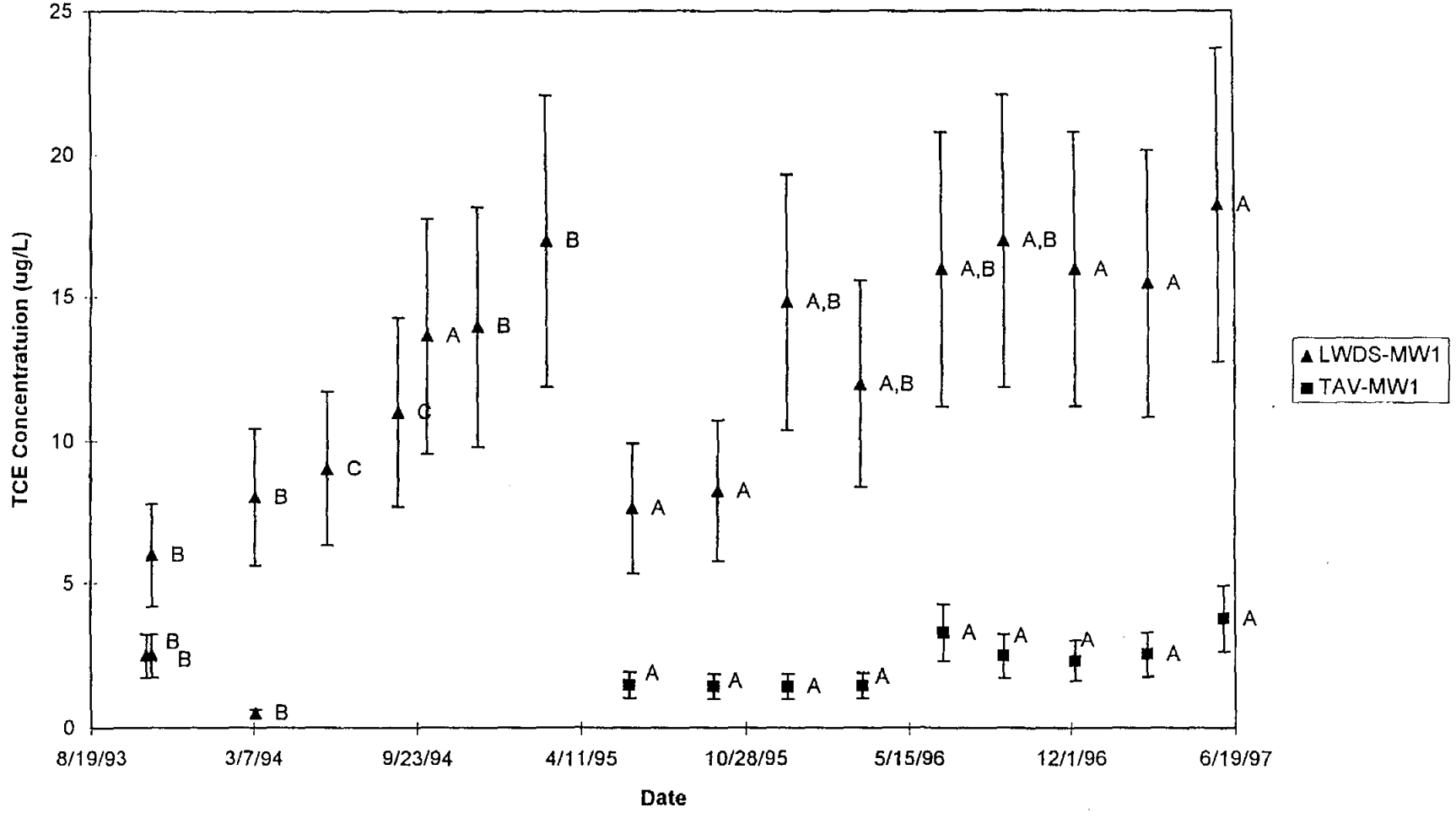
Information relevant to SNL/NM's current hydrogeologic conceptual model is briefly summarized as follows:

1. Water level data from monitoring wells in the vicinity of TA-V indicate that water levels are slightly higher than expected in LWDS-MW1. These anomalous water levels are perhaps due to regional or localized hydrogeologic conditions or to historical wastewater disposal practices in TA-V.

2. Aquifer test data from several of the TA-V monitoring wells indicate that hydraulic conductivities beneath TA-V are low. Because the potentiometric gradient beneath TA-V is relatively flat, calculations using Darcy's Law suggest that the resulting horizontal groundwater flow velocities are generally less than 25 feet per year.

   Although the TCE concentrations in LWDS-MW1 exceed the EPA's drinking water maximum concentration limit (MCL) of 5 ppb, they do not pose a significant threat to human health or the environment, due to the significant distance to the nearest receptors. The nearest production well, KAFB 8, is more than 2 miles north of the contaminated TA-V wells. Groundwater modeling by the SWHC Program has predicted a travel time of approximately 100 years to the nearest Kirtland Air Force Base (KAFB) production wells (Burck and Duval 1996).

Figure 2. TCE concentrations with time in wells TAV-MW1 and LWDS-MW1 (showing error bars and the analytical methods used)



The letter adjacent to each point represents the analytical method used, as follows:

A = EPA Method 8010
B = EPA Method 8240
C = EPA Method 8260.

3. TCE has only been detected in three wells (LWDS-MW1, TAV-MW1, and KAFB-10), and the lateral extent of TCE contamination in TA-V groundwater has not been fully characterized. However, groundwater quality data from the three recently installed TA-V monitoring wells should provide valuable information concerning the lateral extent of contamination at TA-V, once these wells are sampled.

4. Aquifer transmissivity data from monitoring well AVN-1 suggests that the aquifer transmissivity is greater in the deeper zone where AVN-1 is completed than in the shallower zone where other TA-V monitoring wells are completed. Hydraulic conductivity values from TA-V monitoring wells are summarized in Table 1. The apparent increase in hydraulic conductivity with depth is consistent with aquifer test results from other wells in TA-III.

5. The vertical extent of TCE contamination in this more transmissive zone is unknown. No TCE contamination has been detected in monitoring well AVN-1, which is screened in the deeper zone. However, low levels (up to 2.2 ppb) of TCE were detected in production well KAFB-10, which was screened intermittently to a depth of 1,050 feet. This well was plugged and abandoned in 1996 to eliminate it as a potential conduit for contaminants to migrate deeper within the regional aquifer.

6. The lack of significant vadose zone contamination observed during the LWDS RFI and the modeling results of infiltration from the TA-V seepage pit (Burck and Ruskauff 1997) suggest that TCE may have migrated to groundwater through aqueous-phase rather than vapor-phase transport.

SNL/NM is currently in the process of refining this conceptual model and is evaluating other possible conceptual models of contaminant transport mechanisms at TA-V.

Table 1: Summary of Aquifer Hydraulic Conductivity Results from Pumping Tests and Slug Tests Conducted on TA-V Monitoring Wells.

Monitoring Well	Type of Test	Hydraulic Conductivity	
		(feet/minute)	(centimeters/second)
TAV-MW1	Slug Test	9.36×10^{-4}	4.75×10^{-4}
TAV-MW2	Slug Test	8.02×10^{-5}	4.07×10^{-5}
TAV-MW2	Pumping Test	6.4×10^{-5}	3.3×10^{-5}
LWDS-MW1	Slug Test	2.62×10^{-5}	1.33×10^{-5}
LWDS-MW2	Slug Test	1.65×10^{-3}	8.36×10^{-5}
AVN-1	Pumping Test	2.66×10^{-2}	1.35×10^{-2}

1.b. **Site characterization should include a determination of the horizontal and vertical extent of any contamination that may be present and a comparison of analytical results with background conditions, as applicable. Only after the site and any contamination have been adequately characterized can a risk assessment be made, and, if necessary, a monitoring and/or contaminant remediation system be designed and implemented.**

Response: SNL/NM has characterized the vertical and horizontal extent of contamination at the LWDS holding tanks (ER Site 52), the LWDS drainfield (ER Site 5), and the LWDS surface impoundments (ER Site 4) sufficiently to evaluate the risk and to propose NFAs for these sites. Comparison to background values, as discussed in the SNL/NM response to General Comment 2 (below) and presented in tabular form in Attachment A, supports the characterization presented in the LWDS RFI report.

SNL/NM and DOE believe that this constitutes an adequate characterization of the LWDS and that the LWDS Risk Assessment indicates that a contaminant remediation system and/or monitoring system is not necessary for surface and near-subsurface ER Sites 4, 5, and 52. TA-V groundwater issues will be dealt with separately.

2. **Tables 4-4, 4-5, and 4-6 effectively constitute a comparison of the analytical results of a composite sample for each of the three Environmental Restoration (ER) sites to background upper tolerance limits (UTLs). NMED does not believe this to be appropriate. For purposes of determining the extent of contamination and for assessing risk, Sandia should compare individual sample results for each constituent of concern (COC) to the approved UTL for that COC and incorporate this information into the results of the LWDS RFI in tabled format. These tables should also include the sample depth, location, analytical methods, method detection limits, and regulatory standards, where applicable.**

Surface plots alone (such as Figures 4-16 through 4-26), while useful, are inadequate for conceptualizing the contaminant plumes. Additional horizontal and vertical cross sections, fence diagrams, and/or pole diagrams should be constructed from the tables described above, showing the distributions of the COCs at each ER site to aid in 3-D conceptualization of the contamination. For example, comparison of sample results for ER Site 4 (from Appendix C data tables) to Sandia's background UTLs (phase 3) shows contamination extending as much as 85 ft below the surface.

Response: (It is believed that the comment refers to Tables 4-2, 4-4, and 4-6, as Table 4-5 does not discuss UTLs or statistics.) None of these three tables refers to composite samples; Tables 4-2, 4-4, and 4-6 in the RFI report compare the single maximum on-site sample results at ER Sites 52, 5, and 4 to background UTLs (at the time the RFI was written).

SNL/NM agrees with the NMED that for the purposes of determining the extent of contamination and assessing risk, SNL/NM should compare individual sample results for each COC to the approved UTL (or "hot-measurement value," see EPA 1992) for that COC. In this case, the NMED-approved maximum background concentrations are the "hot-measurement values," and hence represent the "regulatory standard." Table 2 presents a comparison of NMED-approved maximum background concentrations to the maximum concentrations detected in soils at the LWDS.

Table 2. Comparison of NMED-approved Maximum Background Concentrations to the Maximum Concentrations Detected in Soils at the LWDS.

Parameter	Units	Surface Impoundments (Site 4)	Drainfield (Site 5)	Holding Tanks (Site 52)	Highest Maximum Concentration of all Sites	NMED-Approved Maximum Background for the Southwest Supergroup
Barium	mg/kg	849	258	412	849	130
Beryllium	mg/kg	4.9	1	1.2	4.9	0.65
Cadmium	mg/kg	154	51.1	1.3	154	0.9
Chromium, Total	mg/kg	97.7	42.4	28.2	97.7	15.9
Chromium-Vi	mg/kg	11.2	NA	NA	11.2	NA
Copper	mg/kg	239	24.2	18.4	239	15.4
Lead	mg/kg	72.5	14	10.2	72.5	11.8
Nickel	mg/kg	173	13.7	15.5	173	11.5
Silver	mg/kg	90.5	NA	NA	90.5	<1
Zinc	mg/kg	198	67.3	47.3	198	62
Bismuth-212	pCi/g	2.7	1.3	1.5	2.7	NA
Bismuth-214	pCi/g	1.4	0.84	1	1.4	NA
Cesium-137	pCi/g	10.1	0.14	0.093	10.1	0.079
Cobalt-60	pCi/g	11	0.15	ND	11	NA
Lead-212	pCi/g	1.4	1.1	1	1.4	NA
Lead-214	pCi/g	1.3	1	1.2	1.3	NA
Potassium-40	pCi/g	35	19	19	35	NA
Radium-226	pCi/g	3.68	2.25	2.14	3.68	1.76
Radium-228	pCi/g	7.37	1.1	1.3	7.37	0.93
Thorium-232	pCi/g	1.18	1.1	1.3	1.3	1.01
Tritium	pCi/L	320	NA	NA	320	NA
Uranium-235	pCi/g	3	NA	NA	3	0.16
PCBs	ppb	71	NA	NA	71	NA

mg/kg = Milligrams per kilogram.
NA = Not applicable.
ND = Not detected.
pCi/g = Picocuries per gram.
pCi/L = Picocuries per liter.
ppb = Parts per billion.

Data tables that present individual sample results, including information on sample depth, location, analytical methods, and method detection limits, are included in Attachment A. These tables also include the NMED-approved background values, where available, for each constituent to allow comparison of on-site values to background.

Cross sections and surface contaminant contour plots that illustrate and depict significant findings were included in the LWDS RFI report (e.g., see Figures 4-7 through 4-11 and Figures 4-16 through 4-26). SNL/NM will review the LWDS data and propose specific cross sections to supplement these figures. SNL/NM and DOE would then like to meet with the NMED and the DOE-Oversight Bureau (OB) informally to review the proposal, and to agree on which specific cross sections should be constructed.

3. **Comments pertaining to the risk assessment have been developed by the US Environmental Protection Agency, Region 6 (EPA), and are included as an attachment to this Notice of Deficiency (NOD). Sandia should include a response to the risk assessment comments in its NOD response for the LWDS RFI Report.**

Response: SNL/NM has included their responses to the EPA risk assessment comments in Attachment B of this submittal.

SPECIFIC COMMENTS

Section 3.0 DATA EVALUATION

4. **Page 3-1, paragraph 1**

Analytical data were examined to determine whether each COC is actually present at the site as a contaminant. This involved a statistical comparison to background coupled with an examination of the spatial distribution of the constituent. . . . COCs that failed the statistical comparison to background and showed a strong spatial correlation were identified as contaminants.

See General Comment No. 1.

Statistical analysis of a contaminant population is not acceptable to show that a site has been fully characterized with respect to any particular COC. Any sample collected at a Sandia ER site having a concentration exceeding the proposed 95th UTL (or 95th percentile, where applicable) is considered representative of contamination, unless:

a. **The analytical result is shown to be in error, or**

b. **An acceptable site-specific background investigation shows that background is naturally elevated above what was originally estimated for the site.**

Response: SNL/NM agrees that a statistical analysis of a contaminant will not necessarily show that a site has been fully characterized with respect to any particular COC. However, SNL/NM and DOE believe that the additional characterization of contaminant concentrations that are well below clean-up criteria or risk-based levels provides little value to the overall site characterization effort.

In the LWDS RFI, SNL/NM did not rely solely on statistical analyses, but also evaluated the spatial distribution of contaminants using horizontal isopleth maps and vertical cross sections. For example,

Figures 4-7 through 4-11 in the RFI report present vertical cross sections showing distributions of cadmium, beryllium, chromium, cobalt-60, and cesium-137 at the LWDS drainfield. Similarly, Figures 4-17 through 4-24 present the horizontal distributions of cadmium, chromium, copper, lead, nickel, zinc, barium, cobalt-60, cesium-137, uranium-235, and polychlorinated biphenyls (PCBs) in the LWDS surface impoundments.

Tables comparing each analytical value to the respective NMED-approved background values are provided in Attachment A. These tables allow an identification of the values that exceed the approved-background values. Combined with the cross sections (see response to General Comment 2), SNL/NM and DOE believe these data will be sufficient to document that the LWDS sites have been adequately characterized.

3.1 Summary of Quality Assurance/Quality Control Activities

5. **Page 3-1, paragraph 4**

Throughout the investigation, common laboratory contaminants including methylene chloride, methyl ethyl ketone (MEK), and acetone were consistently identified in both the field samples and the QC samples.

At the December 3, 1996, Sandia North/Micro-Purge™ meeting at the NMED offices in Santa Fe (attended by the US Department of Energy, Sandia, and NMED), representatives of the Hazardous and Radioactive Materials Bureau (HRMB) expressed concern about Sandia's QC problems with regard to "common laboratory contaminants." HRMB suggested that Sandia review their contract laboratories' QA/QC (quality assurance/quality control) programs and, if found deficient, find another laboratory. This issue is important because, historically, Sandia has used these compounds which, in some cases, were disposed of onto the ground and into pits, trenches, lagoons and leachfields.

Response: Common laboratory contaminants such as methylene chloride, methyl ethyl ketone, and acetone have been problematic for SNL/NM and DOE, particularly in the earlier laboratory data, and at times, made evaluating the presence of these contaminants in environmental samples difficult. SNL/NM is taking extensive steps to reduce these incidents of laboratory contamination, both in the on-site and off-site laboratories. In addition to closely evaluating the laboratories' QA/QC programs, SNL/NM also has taken the following steps:

On-site Laboratory:

At the on-site ER Chemistry Laboratory, neither acetone nor methyl ethyl ketone is used in the laboratory. Methylene chloride is used, but only in a separate room from the analytical equipment, and only under a fume hood. To prevent cross-contamination between rooms, employees using methylene chloride are not allowed to enter the laboratory where the analytical equipment for volatile organic compounds (VOCs) is located. In addition, preventative maintenance is performed daily when analyzing VOCs to prevent carryover contamination within the equipment. These measures have been very successful in reducing the amount of laboratory contamination detected in the sample results.

Off-site Laboratories:

The SNL/NM Sample Management Office conducts laboratory oversight of approved off-site laboratories through their Characterization Management Program. This program was developed under DOE Albuquerque Operations as their centralized laboratory-auditing and management oversight program. Components of this program include submitting known QA/QC samples to evaluate laboratory performance and conducting QA/QC audits of off-site laboratories on at least an annual basis.

In addition, SNL/NM requires the analysis of trip blanks for VOCs, and requires contract laboratories to run equipment blanks to identify carryover contamination. These standard QA practices are recommended by the EPA in SW-846 (EPA 1986) and allow SNL/NM and DOE to identify potential laboratory contaminants such as methylene chloride and acetone.

6. **Page 3-2, paragraph 1**

QA/QC procedures . . . also included . . . reviewing sample holding times, equipment rinsate, method and trip blank results, and comparing duplicate samples. . . . Chromium VI was especially problematic due to the 1-day holding time which could not be met by the off-site laboratory.

Because holding times were exceeded, NMED considers that Sandia's chromium-VI values represent minimum levels only. Sandia should resample for chromium-VI, at locations where it has been determined to be a potential COC.

Response: SNL/NM erroneously assumed a 1-day holding time for chromium-VI in soils; the actual holding time for chromium-VI in soils is 28 days to extraction and 4 days after extraction (EPA 1986, Table 3-1). The chromium-VI data collected during the LWDS RFI for soils are valid and, therefore, a resampling program for chromium-VI does not appear to be necessary.

3.2 Statistical Analysis of Background

7. **Page 3-2, paragraph 3**

As required in the LWDS RFI work plan, a site-specific background study was also conducted at the LWDS. . . . However, the SWHC Project-determined background populations were used for data evaluation in this report, rather than the LWDS background data . . . .

Sandia should not rely solely upon regional data to make site-specific decisions. In order to make an informed evaluation of site-specific conditions, SNL/NM should include the data obtained from the LWDS background investigation.

Response: The site-specific background data obtained from the LWDS background investigation were included in Appendix C of the LWDS RFI report. These data are also presented as Table A-10 in Attachment A of this supplementary information package.

The site-specific background data were not used to identify contamination because the background soil samples did not replicate the lithologic range exhibited by environmental samples from the LWDS. The 17 surface-soil (including 1 duplicate) background samples were collected from a localized 50 by 50 foot area located 1,000 feet northeast (upwind) of the LWDS surface impoundments. The lithology of the background study site was very uniform and did not adequately represent the variable conditions observed in the surface and subsurface at the LWDS. This was confirmed using statistical tests between common elements (non-COCs) from on-site environmental samples and the LWDS background samples, which indicated that these data sets failed comparison tests.

Section 4.0 SITE-SPECIFIC RESULTS, CONCLUSIONS, AND RECOMMENDATIONS

4.1 ER Site 52 Holding Tanks

ER Site 52 consists of three buried tanks (two concrete and one steel) and associated piping. These tanks were designed to receive liquid wastes from the Sandia Engineering Reactor Facility (SERF) main reactor, experimental facilities, and support facilities located in Buildings 6580, 6581, 6582, and 6583 in TA-V between 1962 and 1971. The tanks served as holding tanks to allow short-lived radionuclides to decay before discharge to the drainfield and/or surface impoundments. Potential contaminants of concern from this waste stream include radioactive wastes in the coolant water, and organic solvents and radiochemicals from the support facilities. The primary sources of radioactivity in the liquid wastes were the short-lived activation products of the coolant water and water impurities.

4.1.2 Field Investigation

8. ***Internal Contamination*, page 4-4, paragraph 5**
The discharge point for the water should be specified.

Response: Page 4-1, paragraph 2 identifies the discharge points to be "the drainfield and/or surface impoundments (ER Sites 4 and 5)." A diagram of the piping associated with the surface impoundment discharge points is presented on page 4-3 (Figure 4-2). The discharge point for the drainfield is located at the east end (page 4-13, paragraph 1 in the RFI report).

As discussed on page 4-3, paragraph 3, the holding tanks are now connected to SNL/NM's new Liquid Effluent Control System (LECS). The LECS receives and holds all TA-V process water for sampling prior to discharge to the City of Albuquerque POTW.

9. **Page 4-5, paragraph 1**
The depth of the pipe and how many pipe joints are associated with the tanks or the total piping system should be specified. Also, how the soil samples were collected as well as the sample depths should be specified.

Response: The holding tank drainline is approximately 3 feet deep. The tanks and their associated piping were built in the 1960s; the engineering diagrams were focused on the tanks and do not show individual pipe joints. It is not possible to determine the exact number of pipe joints associated with the tanks or the total piping system. The soil samples were taken in accordance with ER Field Operations Procedure (FOP) 94-52, Spade and Scoop Method for Collection of Soil Samples. Samples were collected immediately beneath the disassembled pipe (approximately 3 feet deep).

10. ***Subsurface Soil*, page 4-7, paragraph 1**
The boring log descriptions and photoionization detector (PID) readings associated with the borings should be included in the report.

Response: All available boring log descriptions are included with this transmittal as Attachment C.

Organic vapor screening was conducted during the LWDS field investigations primarily for health and safety purposes rather than as part of site characterization. As such, SNL/NM did not collect the instrument readings for separate reporting, and the records of such screening are dispersed among

numerous daily logs. Often, PID readings from breathing-zone monitoring were not recorded in these logs unless they were above action levels specified in the Health and Safety Plan.

This practice seems to be in general agreement with past EPA and NMED guidance to SNL/NM and DOE:

- On their Notice of Deficiency for Solid Waste Management Unit (SWMU) 79, Building 904 Septic System, the EPA questioned "the value of the organic vapor survey conducted in 1991 held at waist height" (page 7, first paragraph).

- Lloyd Aker of the NMED DOE OB discussed this issue in a November 2, 1995, letter to Benito Garcia. "Health and Safety (H&S) Survey Data - use of organic vapor screening results for H&S purposes as part of the process for determining the suitability of the site for a NFA proposal must be discontinued. Data from PID monitoring (usually at waist height) done for worker health and safety reasons are not acceptable for site characterization purposes. This information has no use in the investigative process (other than as health and safety screening information) and should not be included in any NFA proposal." (page 4, item number 4).

All H&S records are maintained in the SNL/NM Environmental Operations Record Center and can be provided or made available for review, if necessary.

11. **Page 4-7, paragraph 1**
A map that locates the HERMES site in relation to the LWDS site should be included.

Response: Figure 4-4 (page 4-12) of the RFI report shows the locations of the High Energy Megavolt Electron Source (HERMES) Site (ER Site 36) in relation to the LWDS Holding Tanks and Drainfield, ER Sites 52 and 5.

4.1.3 Nature and Extent of Contamination

12. ***Subsurface Soil*, page 4-7**
The depth of the soil sample should be included, as well as the boring log description and PID readings associated with the soil sample.

Response: The excavation soil sample was collected immediately beneath the pipe, approximately 3 feet deep. No boring log was completed for this shallow excavation, as the piping was presumably surrounded with disturbed soil and/or fill material. Please refer to the response to Specific Comment No. 10 regarding the use of H&S screening for site characterization.

13. **Page 4-8, Table 4-1, *Holding Tank Internal Sampling Results***
A table which includes the hazardous constituent results for each borehole taken under the tanks should be included. Also, the intervals the soil samples were collected from, such as 25-26 feet, etc., should be indicated.

Response: The hazardous constituent results for each borehole beneath the holding tanks are presented in Tables A-4 though A-6 in Attachment A, including all non-detect values. These tables present the results of all ER Site 5 soil analyses for metals, organics, and radionuclides. These tables also include the depths at which the samples were collected. Depth intervals are not provided on these tables, as the samples collected are basically discrete samples collected at a specific depth, rather than composited across a

continuous core section. The actual depth interval over which the samples were collected is a function of the core barrel length and the volume of soil required for laboratory analyses.

14. **Page 4-8**
All analytical results [for soil samples] were determined to indicate a lack of contamination (as discussed in Section 3.0), with the exception of the 15-ft sample from Borehole 15.

In order to properly evaluate the results of the borehole drilling and sampling, Sandia should supply cross-sections showing the angled boreholes, sampling locations, lab results, and holding tanks. This information is necessary for adequate characterization of the site.

Also, see General Comment No. 2.

Response: A cross section, as described above, will be included in the proposal for a complete cross section package to be provided later. This package will be developed in response to this request for supplemental information and will include all cross sections needed by the NMED to evaluate the LWDS data. Also, see response to General Comment No. 2.

15. **Page 4-10, Table 4-3, *Holding Tank Soil Contaminant Summary***
The maximum concentration values for all metals and the proposed background values for all metals should be included.

Response: Table 2 presents the maximum concentration values for all metals considered as COCs at ER Sites 4, 5, and 52, and the NMED-approved background values for these metals. The tables included with this response as Appendix A compare all metal and radionuclide analyses for each LWDS site to the NMED-approved background values.

4.2 ER Site 5 LWDS Drainfield
The LSDS Drainfield is buried approximately 30 feet deep and has a holding capacity of approximately 12,000 gal. It was designed to receive liquid wastes discharged from the LSDS holding tanks, and was operational from 1963 until 1967, when it collapsed. No evidence of an overflow or spill, which would have occurred in the Building 6580 basement, has been found. The only verified source of contamination in the LWDS drainfield is the discharge from the LWDS holding tanks. Several other sources, however, in the area may have contributed to soil contamination at the drainfield: ER Site 181, which was the site of a leaking underground storage tank (fuel oil) Site 36, Oil Spill - HERMES, the site of an extensive release of dielectric oil (not a hazardous waste) and possibly other hazardous constituents to the subsurface, and ER Site 275, TA-V Seepage Pits, where most of the process and septic water from TA-V are processed.

4.2.2 Field Investigation

16. *Boreholes*, page 4-13
The boring log descriptions and PID readings associated with the borings should be included.

A table that presents the hazardous constituent results for each borehole taken under the drainfield should be included. Also, the interval at which each soil sample was collected should be indicated.

Response: All available boring log descriptions are included with this transmittal as Attachment C. Please refer to the response to Comment No. 10 regarding the use of H&S screening for site characterization.

Tables of all environmental sampling results for ER Site 5, including both hazardous and radioactive constituents, are presented in Attachment A as Tables A-4 and A-6. See the response to Specific Comment No. 13 regarding depth intervals of the samples.

17. *Monitor Well Installation*, page 4-15
The direction that ground water is moving should be indicated in the revised report. Also, the boring log description for this well should be included.

Response: Section 2.5 of the RFI report, "Hydrogeology," discusses the direction of groundwater movement. In general, groundwater flows west / northwest beneath TA-III (Reeder et al. 1967; Kues 1987).

Figure 2-2 in the LWDS RFI report presents the boring log for LWDS-MW1, including abbreviated lithologic and geophysical logs and a stratigraphic column for LWDS-MW1. Detailed lithologic descriptions for LWDS-MW1 and LWDS-MW2 (developed by the USGS) were submitted to the NMED in September 1994 (Cox 1994). These lithologic descriptions are also included in Attachment C of this submittal.

18. ***Ground-Water Sampling*, page 4-16, paragraph 2**
All past sampling results should be included in the revised report.

Response: Groundwater data from the TA-V monitoring wells are submitted on an annual basis to the NMED, EPA, and DOE in the annual groundwater monitoring reports, prepared by SNL/NM's Groundwater Protection Program. The TA-V groundwater sampling results (from the 1993, 1994, 1995, and 1996 Annual Groundwater Monitoring Reports [SNL/NM 1994, 1995b, 1996, and 1997]) are reproduced in Attachment D for ease of review.

4.2.3 Nature and Extent of Contamination, page 4-16

19. **Page 4-16**
The volatile and semivolatile analytical results should be included in the revised report. Trip blank results should also be included.

Response: The volatile and semivolatile analytical results for all LWDS sites are included in Tables A-2, A-5, and A-8 in Attachment A. All trip blank and equipment blank results for ER Sites 4, 5, and 52 are presented in Table A-13 of Attachment A.

20. **Page 4-16, paragraph 3**
The contamination is limited to the drainfield and the surrounding soil, and no contamination has been detected below 45 ft. Organic contaminants, principally TCE, are present in levels above federal maximum concentration limits (MCLs) in the drainfield monitor well. The LWDS has been ruled out as the source of this contamination due to the absence of TCE at the site.

NMED considers that the site has not been sufficiently characterized. Review of Figure 4-5, Table 4-4, and Figures 4-7, 4-8, 4-9, 4-10, and 4-11 indicates that the bulk of the contaminants are centrally located along the axis of the drainfield and extends horizontally for an unknown distance away from the drainfield. Wastewater entered the drainfield in volumes large enough to wash out the drainfield and cause its collapse. This large volume of wastewater

may have flushed contaminants, at higher concentrations than the concentrations observed in borehole samples and in the PETREX Soil Vapor Survey, away from the drainfield location, as suggested by analytical results from Borehole-12 and Borehole-14. Therefore, ER Site 5 LWDS Drainfield cannot be ruled out as a potential source of TCE contamination in ground water.

Two additional boreholes, one north and one south of the center of the leachfield, should be drilled and sampled by SNL/NM to determine primarily, but not exclusively, the horizontal extent of the contaminated soils. The vertical extent of this contamination should also be determined. SNL/NM should attempt to locate each borehole within the leachfield effluent wetting front. Each borehole should be of sufficient depth to extend beneath the contaminant plume.

Response: A conceptual model for contaminant transport at ER Site 5 that includes contaminant flushing from the discharge area and the subsequent accumulation or residence of high levels of constituents that are geographically removed from ER Site 5 was not considered in the RFI report.

Based on the discharge history and past operations at TA-V, it is highly likely that solvents and other contaminants were repeatedly disposed of into the liquid effluent systems associated with the LWDS. SNL/NM and DOE expect that these disposal practices did not change significantly until after the 1967 collapse and decommissioning of the drainfield. Under this scenario, there is no major source of clean water available to completely flush previously-disposed-of contaminants to remote locations.

In considering that the horizontal extent of contamination might increase with distance away from the drainfield boundaries, again a large source of clean water must be presumed to be available. SNL/NM and DOE believe that the site history does not support this presumption. In addition, the presence of a wetting front that extends laterally from the boundaries of the actual drainfield is presumed as a potential lateral transport mechanism for contaminants. In previous discussions with SNL/NM and DOE regarding possible septic tank wetting fronts, this lateral spreading of fluids was considered by NMED to be an unimportant transport mechanism for contaminants.

Although the past disposal of TCE is likely to have occurred during the operation of the LWDS drainfield, ER Site 5 (the drainfield) can be ruled out as a continuing source of TCE to the environment.

For these reasons, SNL/NM and DOE believe that the most contaminated areas at ER Site 5 have already been sampled, and the contaminant concentration data indicate that these levels of contaminants do not pose a threat to human health or the environment. Hence, SNL/NM and DOE recommend an NFA for ER Site 5 in the LWDS RFI report (SNL/NM 1995a).

21. *Ground Water*, page 4-20

Before the impact or potential impact to the environment and ground water can be evaluated, NMED needs to review laboratory analytical results for ground water samples at LWDS-MW1, as well as results from samples of other media (e.g., soils). Groundwater data should be supplied with this report in tabled format. This table should include method detection limits, the background 95th UTL for naturally occurring COCs, and applicable Federal Maximum Concentration Limits (MCLs) and/or New Mexico Water Quality Control Commission standards, whichever are more stringent.

Response: The TA-V groundwater sampling results from SNL/NM's 1993, 1994, 1995, and 1996 Annual Groundwater Monitoring Reports are presented in tabular format in Attachment D. These tables (except for the 1993 data) include the detection limits, MCLs, and the New Mexico groundwater standards.

22. Pages 4-21 - 4-22
TCE has been detected in all samples since September 1993 at concentrations from 12 to 16 ppb, and other organic contaminants are sometimes detected.

The other organic contaminants detected should be included.

Response: The only other organic contaminant definitively identified in TA-V groundwater is 1,1-DCE, a degradation product of TCE. However, low levels of other VOCs have occasionally been reported for TA-V groundwater samples, but these results are believed to represent laboratory contamination. In addition, nitrates at or exceeding the MCL have been detected in TA-V groundwater. The TA-V groundwater sampling results from the 1993, 1994, 1995, and 1996 Annual Groundwater Monitoring Reports are presented in Attachment D. Background values for VOCs are assumed to be zero, as VOCs are not naturally occurring.

4.3 ER Site 4 LWDS Surface Impoundments

ER Site 4 consists of two unlined surface impoundments constructed in 1967 and 1970 after the collapse of the LWDS Drainfield. They were used for the disposal of primary coolant water from the SERF, and the potentially contaminated waste water from experiments and operations in the SERF buildings. On at least one occasion, waste oil and resin beads were disposed of in the surface impoundments. Approximately 12 million gal of waste water containing approximately 14 Ci of measured radioactivity were discharged between 1967 and 1971. The short half-life activation products have decayed and potential residual contamination consists of fission products, other radionuclides, and laboratory solvents. PCBs were identified in the southwest corner of Impoundment 2.

ER Site 4 LWDS Surface Impoundments

23. *Previous Investigations*, page 4-25
All previous soil sampling analyses should be included in the revised report.

Response: The one PCB detection of 24.6 parts per million (ppm) described in this section represents the only previous soil sampling analysis for hazardous constituents. As stated in the RFI report, water, soil, and sludge sampling events were sporadic and poorly-documented. Data related to this previous sampling were not located. Therefore, a more extensive investigation was performed for ER Site 4 than might otherwise have been necessary.

24. *Field Investigation*, page 4-26
Did Sandia determine whether the piping from the tanks to the surface impoundments was leaking?

Response: The drainline piping between the holding tanks (ER Site 52) and the drainfield (ER Site 4) was incorporated into the ER Site 52 investigation. One section of the piping was chosen for close examination as a "worst-case" scenario. The piping was determined to be structurally sound and leak free, and it contained no detectable contamination.

25. *Monitor Well Installation*, **page 4-32**
Sandia should include the direction that ground water is moving in the revised report as well as the boring log description for this well.

Response: See SNL/NM's Response to Specific Comment No. 17 concerning the groundwater flow direction in the vicinity of LWDS-MW2.

Figure 2-2 in the LWDS RFI report presents the abbreviated lithologic and geophysical logs and stratigraphic column for LWDS-MW2. Detailed lithologic descriptions for LWDS-MW2 (developed by the USGS) were originally submitted to the NMED in September 1994 (Cox 1994) and are also included in Attachment C of this submittal.

26. *Ground-Water Sampling*, **page 4-32**
See Comment No. 10.

Response: SNL/NM believes this comment should have referred to Specific Comment No. 18 rather than Specific Comment No. 10. Therefore, see response to Specific Comment No. 18.

27. **Page 4-32**
Sandia should include all past sampling results in the revised RFI Report.

Response: All past sampling results for the LWDS surface impoundments are included in Tables A-1, A-2, and A-3 in Attachment A.

28. *Metals*, **page 4-33, paragraph 2**
Three chromium-VI results were slightly above background. . . . In many cases, the maximum measured concentration was less than background UTL. However, a spatial analysis showing a consistent grouping would indicate anthropogenic contribution. The opposite case was also true. A maximum concentration exceeding the background UTL did not necessarily indicate contamination.

NMED is not aware that chromium-VI occurs naturally at Kirtland Air Force Base (KAFB). Sandia should submit documentation describing localities and conditions where chromium-VI might occur naturally in the KAFB area.

Response: SNL/NM has reviewed the text on page 4-33, paragraph 2, and it does not state that "chromium-VI results were . . . above background." Rather, the text states, "Three chromium-VI results were slightly above the detection limit." The text appears to have been misquoted in the comment.

29. **Page 4-33**
Sandia has already acknowledged that samples for chromium-VI analysis were held past the 1-day holding time. Sandia should resample and analyze for chromium-VI.

Response: SNL/NM erroneously reported that the chromium-VI samples were held past their holding times. All chromium-VI data for soils in the LWDS RFI report are valid. See response to Specific Comment No. 6.

30. **Page 4-33**
Sandia should include the analytical results for each borehole in the revised report.

Response: All analytical results for each borehole drilled at the LWDS surface impoundments are presented in Tables A-1, A-2, and A-3 in Attachment A.

31. ***Polychlorinated Biphenyls*, page 4-41**
Sandia must contact Ms. Lou Roberts, US EPA Region 6 TSCA contact, regarding the polychlorinated biphenyl) PCB contamination. She can be reached at (214) 665-7579.

Response: Ms. Lou Roberts was contacted regarding the PCB contamination on February 20, 1996. The highest concentration measured was only 71 ppb, not 71 ppm as reported to Ms. Roberts by Mr. Mayer. Ms. Roberts indicated that 71 ppb in soil is below concern to her office.

32. **Appendix B, *PRECIS* INPUT PARAMETERS, page B-1**
Sandia should include the detection limits for the semivolatile and volatile analytical methods.

Response: In general, volatile analyses were conducted by EPA Method 8240, with detection limits of 5 to 10 ppb, while semivolatile analyses were conducted by EPA Method 8270, with a detection limit of 330 ppb. Specific detection limits for individual samples are presented in the data tables in Attachment A.

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ATTACHMENT A

Soil Analytical Data from the LWDS

(in Electronic Format)

Attachment A

This attachment contains all of the soil analytical data collected during the Liquid Waste Disposal System (LWDS) RCRA Facility Investigation and the analysis of trip blanks and equipment blanks. The data are presented on diskette as Microsoft Excel® worksheets. Due to the extensive quantity of the data collected, the tables are rather lengthy and are not printed in full in this attachment. Rather, only the first page of each table is printed to allow a quick overview of the contents of each table.

This attachment contains the following tables, which are organized by LWDS Environmental Restoration site number and by the category of the analyte (i.e., metals, organics, and radionuclides):

Table A-4: Metals analyses of soil samples from ER Site 5.

Analyte	Sample Number	Sample Location	Sample Depth (Ft)	Sample Date	Analytical Method	Amount Detected (mg/kg)	Qualifier	Method Detection Limit	NMED Approved Background (mg/kg)	Sample Type
Aluminum	SNL0093116	LWDS-MW1	0	30-APR-93	6010	6430		10	NA	F
Aluminum	SNL0093084	LWDS-MW1	0	21-APR-93	6010	6650		10	NA	F
Aluminum	SNL0092260	LWDS-MW1	12	22-AUG-92	6010	3580		10	NA	F
Aluminum	SNL0092269	LWDS-MW1	21	22-AUG-92	6010	5070		10	NA	F
Aluminum	SNL0093468	LWDS-05-BH11	25	20-MAR-94	6010	9560		10	NA	F
Aluminum	SNL0093378	LWDS-05-BH12	25	21-MAR-94	6010	4680		10	NA	F
Aluminum	SNL0093288	LWDS-05-BH13	25	22-MAR-94	6010	5790		10	NA	F
Aluminum	SNL0093674	LWDS-05-BH14	25	23-MAR-94	6010	3340		10	NA	F
Aluminum	SNL0093476	LWDS-05-BH11	30	20-MAR-94	6010	4050		10	NA	F
Aluminum	SNL0093386	LWDS-05-BH12	30	21-MAR-94	6010	2950		10	NA	F
Aluminum	SNL0093296	LWDS-05-BH13	30	22-MAR-94	6010	3880		10	NA	F
Aluminum	SNL0093678	LWDS-05-BH14	30	23-MAR-94	6010	2820		10	NA	F
Aluminum	SNL0092278	LWDS-MW1	30	22-AUG-92	6010	3620		10	NA	F
Aluminum	SNL0093394	LWDS-05-BH12	32.5	21-MAR-94	6010	4520		10	NA	F
Aluminum	SNL0093304	LWDS-05-BH13	32.5	22-MAR-94	6010	4960		10	NA	F
Aluminum	SNL0093682	LWDS-05-BH14	32.5	23-MAR-94	6010	4100		10	NA	F
Aluminum	SNL0093485	LWDS-05-BH11	35	20-MAR-94	6010	7840		10	NA	F
Aluminum	SNL0093402	LWDS-05-BH12	35	21-MAR-94	6010	3720		10	NA	F
Aluminum	SNL0093312	LWDS-05-BH13	35	22-MAR-94	6010	4110		10	NA	F
Aluminum	SNL0093686	LWDS-05-BH14	35	23-MAR-94	6010	1240		50	NA	F
Aluminum	SNL0093583	LWDS-05-BH11	37.5	20-MAR-94	6010	2790		10	NA	F
Aluminum	SNL0093410	LWDS-05-BH12	37.5	21-MAR-94	6010	3340		10	NA	F
Aluminum	SNL0093320	LWDS-05-BH13	37.5	22-MAR-94	6010	3650		10	NA	F
Aluminum	SNL0093690	LWDS-05-BH14	37.5	23-MAR-94	6010	3230		10	NA	F
Aluminum	SNL0092287	LWDS-MW1	39	22-AUG-92	6010	4170		10	NA	F
Aluminum	SNL0093493	LWDS-05-BH11	40	20-MAR-94	6010	3960		10	NA	F
Aluminum	SNL0093418	LWDS-05-BH12	40	21-MAR-94	6010	3560		10	NA	F
Aluminum	SNL0093328	LWDS-05-BH13	40	22-MAR-94	6010	3130		10	NA	F
Aluminum	SNL0093623	LWDS-05-BH14	40	23-MAR-94	6010	3690		10	NA	F
Aluminum	SNL0093501	LWDS-05-BH11	42.5	20-MAR-94	6010	3680		10	NA	F
Aluminum	SNL0093509	LWDS-05-BH11	45	20-MAR-94	6010	4740		10	NA	F
Aluminum	SNL0093426	LWDS-05-BH12	45	21-MAR-94	6010	2920		10	NA	F
Aluminum	SNL0093336	LWDS-05-BH13	45	22-MAR-94	6010	2560		10	NA	F
Aluminum	SNL0093627	LWDS-05-BH14	45	23-MAR-94	6010	4740		10	NA	F
Aluminum	SNL0093517	LWDS-05-BH11	47.5	20-MAR-94	6010	6930		10	NA	F
Aluminum	SNL0093525	LWDS-05-BH11	50	20-MAR-94	6010	4960		10	NA	F
Aluminum	SNL0093434	LWDS-05-BH12	50	21-MAR-94	6010	3310		10	NA	F
Aluminum	SNL0093352	LWDS-05-BH13	50	22-MAR-94	6010	4220		10	NA	F
Aluminum	SNL0093344	LWDS-05-BH13	50	22-MAR-94	6010	4800		10	NA	F
Aluminum	SNL0093631	LWDS-05-BH14	50	23-MAR-94	6010	4450		10	NA	F
Aluminum	SNL0092305	LWDS-MW1	50	22-AUG-92	6010	2860		10	NA	D
Aluminum	SNL0092296	LWDS-MW1	50	22-AUG-92	6010	2590		10	NA	F
Aluminum	SNL0093533	LWDS-05-BH11	55	20-MAR-94	6010	5530		10	NA	F
Aluminum	SNL0093450	LWDS-05-BH12	55	21-MAR-94	6010	3490		10	NA	D
Aluminum	SNL0093442	LWDS-05-BH12	55	21-MAR-94	6010	2920		10	NA	F
Aluminum	SNL0093360	LWDS-05-BH13	55	22-MAR-94	6010	1860		20	NA	F
Aluminum	SNL0093635	LWDS-05-BH14	55	23-MAR-94	6010	2230		10	NA	F
Aluminum	SNL0093541	LWDS-05-BH11	60	20-MAR-94	6010	5500		10	NA	F
Aluminum	SNL0093643	LWDS-05-BH14	60	23-MAR-94	6010	6290		10	NA	D
Aluminum	SNL0093639	LWDS-05-BH14	60	23-MAR-94	6010	5430		10	NA	F
Aluminum	SNL0092314	LWDS-MW1	60	22-AUG-92	6010	3250		10	NA	F
Aluminum	SNL0093549	LWDS-05-BH11	65	20-MAR-94	6010	2420		10	NA	F
Aluminum	SNL0092224	LWDS-MW1	68	23-AUG-92	6010	3480		10	NA	F
Aluminum	SNL0093565	LWDS-05-BH11	70	20-MAR-94	6010	5030		10	NA	D
Aluminum	SNL0093557	LWDS-05-BH11	70	20-MAR-94	6010	7290		10	NA	F
Aluminum	SNL0092233	LWDS-MW1	80	23-AUG-92	6010	2880		10	NA	F
Aluminum	SNL0092251	LWDS-MW1	89	23-AUG-92	6010	3650		10	NA	D
Aluminum	SNL0092242	LWDS-MW1	89	23-AUG-92	6010	3100		10	NA	F
Aluminum	SNL0092184	LWDS-MW1	102	24-AUG-92	6010	3430		10	NA	F
Aluminum	SNL0092200	LWDS-MW1	110	24-AUG-92	6010	4120		10	NA	F
Aluminum	SNL0092192	LWDS-MW1	110	24-AUG-92	6010	4930		10	NA	F
Aluminum	SNL0092331	LWDS-MW1	120	25-AUG-92	6010	3650		10	NA	F
Aluminum	SNL0092340	LWDS-MW1	130	25-AUG-92	6010	10700		10	NA	F
Aluminum	SNL0092357	LWDS-MW1	143	02-SEP-92	6010	4790		10	NA	F
Aluminum	SNL0092365	LWDS-MW1	150	02-SEP-92	6010	5140		10	NA	F
Aluminum	SNL0092981	LWDS-MW1	176	06-APR-93	6010	5390		10	NA	F

Table A-4: Metals analyses of soil samples from ER Site 5.

Analyte	Sample Number	Sample Location	Sample Depth (Ft)	Sample Date	Analytical Method	Amount Detected (mg/kg)	Qualifier	Method Detection Limit	NMED Approved Background (mg/kg)	Sample Type
Aluminum	SNL0092991	LWDS-MW1	202	08-APR-93	6010	4930		10	NA	F
Aluminum	SNL0093005	LWDS-MW1	226	13-APR-93	6010	6510		10	NA	F
Aluminum	SNL0093015	LWDS-MW1	250	14-APR-93	6010	4870		10	NA	F
Aluminum	SNL0093027	LWDS-MW1	274	15-APR-93	6010	5230		10	NA	F
Aluminum	SNL0093047	LWDS-MW1	315	17-APR-93	6010	7020		10	NA	F
Aluminum	SNL0093059	LWDS-MW1	346	19-APR-93	6010	6890		10	NA	F
Aluminum	SNL0093037	LWDS-MW1	346	19-APR-93	6010	6480		10	NA	D
Aluminum	SNL0093071	LWDS-MW1	390	21-APR-93	6010	5860		10	NA	F
Aluminum	SNL0093094	LWDS-MW1	444	27-APR-93	6010	6880		10	NA	F
Antimony	SNL0093084	LWDS-MW1	0	21-APR-93	6010	6	U	6	3.9	F
Antimony	SNL0093116	LWDS-MW1	0	30-APR-93	6010	6	U	6	3.9	F
Antimony	SNL0092260	LWDS-MW1	12	22-AUG-92	6010	6	U	6	3.9	F
Antimony	SNL0092269	LWDS-MW1	21	22-AUG-92	6010	6	U	6	3.9	F
Antimony	SNL0093468	LWDS-05-BH11	25	20-MAR-94	6010	6	U	6	3.9	F
Antimony	SNL0093378	LWDS-05-BH12	25	21-MAR-94	6010	6	U	6	3.9	F
Antimony	SNL0093288	LWDS-05-BH13	25	22-MAR-94	6010	6	U	6	3.9	F
Antimony	SNL0093674	LWDS-05-BH14	25	23-MAR-94	6010	6	U	6	3.9	F
Antimony	SNL0093476	LWDS-05-BH11	30	20-MAR-94	6010	6		6	3.9	F
Antimony	SNL0093386	LWDS-05-BH12	30	21-MAR-94	6010	6	U	6	3.9	F
Antimony	SNL0093296	LWDS-05-BH13	30	22-MAR-94	6010	6	U	6	3.9	F
Antimony	SNL0093678	LWDS-05-BH14	30	23-MAR-94	6010	6	U	6	3.9	F
Antimony	SNL0092278	LWDS-MW1	30	22-AUG-92	6010	6	U	6	3.9	F
Antimony	SNL0093394	LWDS-05-BH12	32.5	21-MAR-94	6010	6.1		6	3.9	F
Antimony	SNL0093304	LWDS-05-BH13	32.5	22-MAR-94	6010	6	U	6	3.9	F
Antimony	SNL0093682	LWDS-05-BH14	32.5	23-MAR-94	6010	6	U	6	3.9	F
Antimony	SNL0093485	LWDS-05-BH11	35	20-MAR-94	6010	6	U	6	3.9	F
Antimony	SNL0093402	LWDS-05-BH12	35	21-MAR-94	6010	6	U	6	3.9	F
Antimony	SNL0093312	LWDS-05-BH13	35	22-MAR-94	6010	6	U	6	3.9	F
Antimony	SNL0093686	LWDS-05-BH14	35	23-MAR-94	6010	30	U	30	3.9	F
Antimony	SNL0093583	LWDS-05-BH11	37.5	20-MAR-94	6010	6	U	6	3.9	F
Antimony	SNL0093410	LWDS-05-BH12	37.5	21-MAR-94	6010	6	U	6	3.9	F
Antimony	SNL0093320	LWDS-05-BH13	37.5	22-MAR-94	6010	6	U	6	3.9	F
Antimony	SNL0093690	LWDS-05-BH14	37.5	23-MAR-94	6010	6	U	6	3.9	F
Antimony	SNL0092287	LWDS-MW1	39	22-AUG-92	6010	6	U	6	3.9	F
Antimony	SNL0093493	LWDS-05-BH11	40	20-MAR-94	6010	6	U	6	3.9	F
Antimony	SNL0093418	LWDS-05-BH12	40	21-MAR-94	6010	6.6		6	3.9	F
Antimony	SNL0093328	LWDS-05-BH13	40	22-MAR-94	6010	6	U	6	3.9	F
Antimony	SNL0093623	LWDS-05-BH14	40	23-MAR-94	6010	6	U	6	3.9	F
Antimony	SNL0093501	LWDS-05-BH11	42.5	20-MAR-94	6010	6	U	6	3.9	F
Antimony	SNL0093509	LWDS-05-BH11	45	20-MAR-94	6010	6	U	6	3.9	F
Antimony	SNL0093426	LWDS-05-BH12	45	21-MAR-94	6010	6	U	6	3.9	F
Antimony	SNL0093336	LWDS-05-BH13	45	22-MAR-94	6010	6	U	6	3.9	F
Antimony	SNL0093627	LWDS-05-BH14	45	23-MAR-94	6010	6	U	6	3.9	F
Antimony	SNL0093517	LWDS-05-BH11	47.5	20-MAR-94	6010	8		6	3.9	F
Antimony	SNL0093525	LWDS-05-BH11	50	20-MAR-94	6010	6	U	6	3.9	F
Antimony	SNL0093434	LWDS-05-BH12	50	21-MAR-94	6010	6	U	6	3.9	F
Antimony	SNL0093352	LWDS-05-BH13	50	22-MAR-94	6010	6	U	6	3.9	F
Antimony	SNL0093344	LWDS-05-BH13	50	22-MAR-94	6010	6	U	6	3.9	F
Antimony	SNL0093631	LWDS-05-BH14	50	23-MAR-94	6010	6	U	6	3.9	F
Antimony	SNL0092305	LWDS-MW1	50	22-AUG-92	6010	6	U	6	3.9	D
Antimony	SNL0092296	LWDS-MW1	50	22-AUG-92	6010	6	U	6	3.9	F
Antimony	SNL0093533	LWDS-05-BH11	55	20-MAR-94	6010	6	U	6	3.9	F
Antimony	SNL0093450	LWDS-05-BH12	55	21-MAR-94	6010	6	U	6	3.9	D
Antimony	SNL0093442	LWDS-05-BH12	55	21-MAR-94	6010	6	U	6	3.9	F
Antimony	SNL0093360	LWDS-05-BH13	55	22-MAR-94	6010	12	U	12	3.9	F
Antimony	SNL0093635	LWDS-05-BH14	55	23-MAR-94	6010	6	U	6	3.9	F
Antimony	SNL0093541	LWDS-05-BH11	60	20-MAR-94	6010	6	U	6	3.9	F
Antimony	SNL0093643	LWDS-05-BH14	60	23-MAR-94	6010	6	U	6	3.9	D
Antimony	SNL0093639	LWDS-05-BH14	60	23-MAR-94	6010	6	U	6	3.9	F
Antimony	SNL0092314	LWDS-MW1	60	22-AUG-92	6010	6	U	6	3.9	F
Antimony	SNL0093549	LWDS-05-BH11	65	20-MAR-94	6010	6	U	6	3.9	F
Antimony	SNL0092224	LWDS-MW1	68	23-AUG-92	6010	6	U	6	3.9	F
Antimony	SNL0093565	LWDS-05-BH11	70	20-MAR-94	6010	6	U	6	3.9	D
Antimony	SNL0093557	LWDS-05-BH11	70	20-MAR-94	6010	6	U	6	3.9	F
Antimony	SNL0092233	LWDS-MW1	80	23-AUG-92	6010	6	U	6	3.9	F
Antimony	SNL0092251	LWDS-MW1	89	23-AUG-92	6010	6	U	6	3.9	D

Table A-4: Metals analyses of soil samples from ER Site 5.

Analyte	Sample Number	Sample Location	Sample Depth (Ft)	Sample Date	Analytical Method	Amount Detected (mg/kg)	Qualifier	Method Detection Limit	NMED Approved Background (mg/kg)	Sample Type
Antimony	SNL0092242	LWDS-MW1	89	23-AUG-92	6010	6	U	6	3.9	F
Antimony	SNL0092184	LWDS-MW1	102	24-AUG-92	6010	6	U	6	3.9	F
Antimony	SNL0092200	LWDS-MW1	110	24-AUG-92	6010	6	U	6	3.9	F
Antimony	SNL0092192	LWDS-MW1	110	24-AUG-92	6010	6	U	6	3.9	F
Antimony	SNL0092331	LWDS-MW1	120	25-AUG-92	6010	6	U	6	3.9	F
Antimony	SNL0092340	LWDS-MW1	130	25-AUG-92	6010	6	U	6	3.9	F
Antimony	SNL0092357	LWDS-MW1	143	02-SEP-92	6010	6	U	6	3.9	F
Antimony	SNL0092365	LWDS-MW1	150	02-SEP-92	6010	6.3		6	3.9	F
Antimony	SNL0092981	LWDS-MW1	176	06-APR-93	6010	6	U	6	3.9	F
Antimony	SNL0092991	LWDS-MW1	202	08-APR-93	6010	6	U	6	3.9	F
Antimony	SNL0093005	LWDS-MW1	226	13-APR-93	6010	6	U	6	3.9	F
Antimony	SNL0093015	LWDS-MW1	250	14-APR-93	6010	6	U	6	3.9	F
Antimony	SNL0093027	LWDS-MW1	274	15-APR-93	6010	6	U	6	3.9	F
Antimony	SNL0093047	LWDS-MW1	315	17-APR-93	6010	6	U	6	3.9	F
Antimony	SNL0093059	LWDS-MW1	346	19-APR-93	6010	6	U	6	3.9	F
Antimony	SNL0093037	LWDS-MW1	346	19-APR-93	6010	6	U	6	3.9	D
Antimony	SNL0093071	LWDS-MW1	390	21-APR-93	6010	6	U	6	3.9	F
Antimony	SNL0093094	LWDS-MW1	444	27-APR-93	6010	6	U	6	3.9	F
Arsenic	SNL0093117	LWDS-MW1	0	30-APR-93	7060	2.9		0.5	5.6	F
Arsenic	SNL0093085	LWDS-MW1	0	21-APR-93	7060	2.6		0.5	5.6	F
Arsenic	SNL0092261	LWDS-MW1	12	22-AUG-92	7060	2.9		0.5	4.4	F
Arsenic	SNL0092270	LWDS-MW1	21	22-AUG-92	7060	1.6		0.5	4.4	F
Arsenic	SNL0093469	LWDS-05-BH11	25	20-MAR-94	7060	4		0.5	4.4	F
Arsenic	SNL0093379	LWDS-05-BH12	25	21-MAR-94	7060	2.8		0.5	4.4	F
Arsenic	SNL0093289	LWDS-05-BH13	25	22-MAR-94	7060	2.1		0.5	4.4	F
Arsenic	SNL0093674	LWDS-05-BH14	25	23-MAR-94	6010	2.8		1	4.4	F
Arsenic	SNL0093477	LWDS-05-BH11	30	20-MAR-94	7060	1.8		0.5	4.4	F
Arsenic	SNL0093387	LWDS-05-BH12	30	21-MAR-94	7060	1.5		0.5	4.4	F
Arsenic	SNL0093297	LWDS-05-BH13	30	22-MAR-94	7060	1.9		0.5	4.4	F
Arsenic	SNL0093678	LWDS-05-BH14	30	23-MAR-94	6010	1.7		1	4.4	F
Arsenic	SNL0092279	LWDS-MW1	30	22-AUG-92	7060	1.8		0.5	4.4	F
Arsenic	SNL0093395	LWDS-05-BH12	32.5	21-MAR-94	7060	1.4		0.5	4.4	F
Arsenic	SNL0093305	LWDS-05-BH13	32.5	22-MAR-94	7060	2.3		0.5	4.4	F
Arsenic	SNL0093682	LWDS-05-BH14	32.5	23-MAR-94	6010	2.7		1	4.4	F
Arsenic	SNL0093486	LWDS-05-BH11	35	20-MAR-94	7060	1.7		0.5	4.4	F
Arsenic	SNL0093403	LWDS-05-BH12	35	21-MAR-94	7060	1.9		0.5	4.4	F
Arsenic	SNL0093313	LWDS-05-BH13	35	22-MAR-94	7060	2.3		0.5	4.4	F
Arsenic	SNL0093686	LWDS-05-BH14	35	23-MAR-94	6010	5	U	5	4.4	F
Arsenic	SNL0093584	LWDS-05-BH11	37.5	20-MAR-94	7060	1.8		0.5	4.4	F
Arsenic	SNL0093411	LWDS-05-BH12	37.5	21-MAR-94	7060	1.4		0.5	4.4	F
Arsenic	SNL0093321	LWDS-05-BH13	37.5	22-MAR-94	7060	1.4		0.5	4.4	F
Arsenic	SNL0093690	LWDS-05-BH14	37.5	23-MAR-94	6010	3		1	4.4	F
Arsenic	SNL0092288	LWDS-MW1	39	22-AUG-92	7060	0.91		0.5	4.4	F
Arsenic	SNL0093494	LWDS-05-BH11	40	20-MAR-94	7060	3		0.5	4.4	F
Arsenic	SNL0093419	LWDS-05-BH12	40	21-MAR-94	7060	2		0.5	4.4	F
Arsenic	SNL0093329	LWDS-05-BH13	40	22-MAR-94	7060	1.6		0.5	4.4	F
Arsenic	SNL0093623	LWDS-05-BH14	40	23-MAR-94	6010	2.4		1	4.4	F
Arsenic	SNL0093502	LWDS-05-BH11	42.5	20-MAR-94	7060	1.2		0.5	4.4	F
Arsenic	SNL0093510	LWDS-05-BH11	45	20-MAR-94	7060	1.9		0.5	4.4	F
Arsenic	SNL0093427	LWDS-05-BH12	45	21-MAR-94	7060	1.5		0.5	4.4	F
Arsenic	SNL0093337	LWDS-05-BH13	45	22-MAR-94	7060	2		0.5	4.4	F
Arsenic	SNL0093627	LWDS-05-BH14	45	23-MAR-94	6010	2.7		1	4.4	F
Arsenic	SNL0093518	LWDS-05-BH11	47.5	20-MAR-94	7060	2.5		0.5	4.4	F
Arsenic	SNL0093526	LWDS-05-BH11	50	20-MAR-94	7060	1.8		0.5	4.4	F
Arsenic	SNL0093435	LWDS-05-BH12	50	21-MAR-94	7060	1.5		0.5	4.4	F
Arsenic	SNL0093353	LWDS-05-BH13	50	22-MAR-94	7060	2.3		0.5	4.4	F
Arsenic	SNL0093345	LWDS-05-BH13	50	22-MAR-94	7060	1.7		0.5	4.4	F
Arsenic	SNL0093631	LWDS-05-BH14	50	23-MAR-94	6010	2.2		1	4.4	F
Arsenic	SNL0092306	LWDS-MW1	50	22-AUG-92	7060	1.2		0.5	4.4	D
Arsenic	SNL0092297	LWDS-MW1	50	22-AUG-92	7060	1.3		0.5	4.4	F
Arsenic	SNL0093534	LWDS-05-BH11	55	20-MAR-94	7060	2.1		0.5	4.4	F
Arsenic	SNL0093451	LWDS-05-BH12	55	21-MAR-94	7060	1.6		0.5	4.4	D
Arsenic	SNL0093443	LWDS-05-BH12	55	21-MAR-94	7060	1.7		0.5	4.4	F
Arsenic	SNL0093361	LWDS-05-BH13	55	22-MAR-94	7060	1.6		0.5	4.4	F
Arsenic	SNL0093635	LWDS-05-BH14	55	23-MAR-94	6010	1.4		1	4.4	F
Arsenic	SNL0093542	LWDS-05-BH11	60	20-MAR-94	7060	2		0.5	4.4	F

Table A-4: Metals analyses of soil samples from ER Site 5.

Analyte	Sample Number	Sample Location	Sample Depth (Ft)	Sample Date	Analytical Method	Amount Detected (mg/kg)	Qualifier	Method Detection Limit	NMED Approved Background (mg/kg)	Sample Type
Arsenic	SNL0093643	LWDS-05-BH14	60	23-MAR-94	6010	3.3		1	4.4	D
Arsenic	SNL0093639	LWDS-05-BH14	60	23-MAR-94	6010	1.6		1	4.4	F
Arsenic	SNL0092315	LWDS-MW1	60	22-AUG-92	7060	0.85		0.5	4.4	F
Arsenic	SNL0093550	LWDS-05-BH11	65	20-MAR-94	7060	1.4		0.5	4.4	F
Arsenic	SNL0092225	LWDS-MW1	68	23-AUG-92	7060	0.86		0.5	4.4	F
Arsenic	SNL0093558	LWDS-05-BH11	70	20-MAR-94	7060	2.5		0.5	4.4	F
Arsenic	SNL0093566	LWDS-05-BH11	70	20-MAR-94	7060	2.4		0.5	4.4	D
Arsenic	SNL0092234	LWDS-MW1	80	23-AUG-92	7060	1.8		0.5	4.4	F
Arsenic	SNL0092252	LWDS-MW1	89	23-AUG-92	7060	1.1		0.5	4.4	D
Arsenic	SNL0092243	LWDS-MW1	89	23-AUG-92	7060	1.2		0.5	4.4	F
Arsenic	SNL0092185	LWDS-MW1	102	24-AUG-92	7060	0.99		0.5	4.4	F
Arsenic	SNL0092201	LWDS-MW1	110	24-AUG-92	7060	1.4		0.5	4.4	F
Arsenic	SNL0092193	LWDS-MW1	110	24-AUG-92	7060	1.6		0.5	4.4	F
Arsenic	SNL0092332	LWDS-MW1	120	25-AUG-92	7060	1.2		0.5	4.4	F
Arsenic	SNL0092341	LWDS-MW1	130	25-AUG-92	7060	2.1		0.5	4.4	F
Arsenic	SNL0092358	LWDS-MW1	143	02-SEP-92	7060	1.2		0.5	4.4	F
Arsenic	SNL0092366	LWDS-MW1	150	02-SEP-92	7060	1.6		0.5	4.4	F
Arsenic	SNL0092982	LWDS-MW1	176	06-APR-93	7060	1.5		0.5	4.4	F
Arsenic	SNL0092992	LWDS-MW1	202	08-APR-93	7060	2.2		0.5	4.4	F
Arsenic	SNL0093006	LWDS-MW1	226	13-APR-93	7060	3.6		0.5	4.4	F
Arsenic	SNL0093016	LWDS-MW1	250	14-APR-93	7060	1.9		0.5	4.4	F
Arsenic	SNL0093028	LWDS-MW1	274	15-APR-93	7060	1.8		0.5	4.4	F
Arsenic	SNL0093048	LWDS-MW1	315	17-APR-93	7060	1.9		0.5	4.4	F
Arsenic	SNL0093060	LWDS-MW1	346	19-APR-93	7060	2.2		0.5	4.4	F
Arsenic	SNL0093038	LWDS-MW1	346	19-APR-93	7060	2.4		0.5	4.4	D
Arsenic	SNL0093072	LWDS-MW1	390	21-APR-93	7060	2.5		0.5	4.4	F
Arsenic	SNL0093095	LWDS-MW1	444	27-APR-93	7060	3.5		0.5	4.4	F
Barium	SNL0093116	LWDS-MW1	0	30-APR-93	6010	121		1	130	F
Barium	SNL0093084	LWDS-MW1	0	21-APR-93	6010	68.6		1	130	F
Barium	SNL0092260	LWDS-MW1	12	22-AUG-92	6010	33.4		1	214	F
Barium	SNL0092269	LWDS-MW1	21	22-AUG-92	6010	130		1	214	F
Barium	SNL0093468	LWDS-05-BH11	25	20-MAR-94	6010	94.8		1	214	F
Barium	SNL0093378	LWDS-05-BH12	25	21-MAR-94	6010	128		1	214	F
Barium	SNL0093288	LWDS-05-BH13	25	22-MAR-94	6010	50.1		1	214	F
Barium	SNL0093674	LWDS-05-BH14	25	23-MAR-94	6010	88.6		1	214	F
Barium	SNL0093476	LWDS-05-BH11	30	20-MAR-94	6010	50.3		1	214	F
Barium	SNL0093386	LWDS-05-BH12	30	21-MAR-94	6010	80.6		1	214	F
Barium	SNL0093296	LWDS-05-BH13	30	22-MAR-94	6010	59.8		1	214	F
Barium	SNL0093678	LWDS-05-BH14	30	23-MAR-94	6010	26		1	214	F
Barium	SNL0092278	LWDS-MW1	30	22-AUG-92	6010	69.4		1	214	F
Barium	SNL0093394	LWDS-05-BH12	32.5	21-MAR-94	6010	78.3		1	214	F
Barium	SNL0093304	LWDS-05-BH13	32.5	22-MAR-94	6010	83.3		1	214	F
Barium	SNL0093682	LWDS-05-BH14	32.5	23-MAR-94	6010	72.6		1	214	F
Barium	SNL0093485	LWDS-05-BH11	35	20-MAR-94	6010	98		1	214	F
Barium	SNL0093402	LWDS-05-BH12	35	21-MAR-94	6010	78.5		1	214	F
Barium	SNL0093312	LWDS-05-BH13	35	22-MAR-94	6010	59.8		1	214	F
Barium	SNL0093686	LWDS-05-BH14	35	23-MAR-94	6010	18		5	214	F
Barium	SNL0093583	LWDS-05-BH11	37.5	20-MAR-94	6010	17.2		1	214	F
Barium	SNL0093410	LWDS-05-BH12	37.5	21-MAR-94	6010	172		1	214	F
Barium	SNL0093320	LWDS-05-BH13	37.5	22-MAR-94	6010	33.4		1	214	F
Barium	SNL0093690	LWDS-05-BH14	37.5	23-MAR-94	6010	189		1	214	F
Barium	SNL0092287	LWDS-MW1	39	22-AUG-92	6010	86.5		1	214	F
Barium	SNL0093493	LWDS-05-BH11	40	20-MAR-94	6010	50.7		1	214	F
Barium	SNL0093418	LWDS-05-BH12	40	21-MAR-94	6010	73.5		1	214	F
Barium	SNL0093328	LWDS-05-BH13	40	22-MAR-94	6010	54.4		1	214	F
Barium	SNL0093623	LWDS-05-BH14	40	23-MAR-94	6010	50.9		1	214	F
Barium	SNL0093501	LWDS-05-BH11	42.5	20-MAR-94	6010	22.1		1	214	F
Barium	SNL0093509	LWDS-05-BH11	45	20-MAR-94	6010	73.6		1	214	F
Barium	SNL0093426	LWDS-05-BH12	45	21-MAR-94	6010	59.7		1	214	F
Barium	SNL0093336	LWDS-05-BH13	45	22-MAR-94	6010	99.2		1	214	F
Barium	SNL0093627	LWDS-05-BH14	45	23-MAR-94	6010	42		1	214	F
Barium	SNL0093517	LWDS-05-BH11	47.5	20-MAR-94	6010	49.1		1	214	F
Barium	SNL0093525	LWDS-05-BH11	50	20-MAR-94	6010	30.2		1	214	F
Barium	SNL0093434	LWDS-05-BH12	50	21-MAR-94	6010	41.5		1	214	F
Barium	SNL0093344	LWDS-05-BH13	50	22-MAR-94	6010	49.7		1	214	F
Barium	SNL0093352	LWDS-05-BH13	50	22-MAR-94	6010	67.6		1	214	F

Table A-4: Metals analyses of soil samples from ER Site 5.

Analyte	Sample Number	Sample Location	Sample Depth (Ft)	Sample Date	Analytical Method	Amount Detected (mg/kg)	Qualifier	Method Detection Limit	NMED Approved Background (mg/kg)	Sample Type
Barium	SNL0093631	LWDS-05-BH14	50	23-MAR-94	6010	30.6		1	214	F
Barium	SNL0092305	LWDS-MW1	50	22-AUG-92	6010	50.7		1	214	D
Barium	SNL0092296	LWDS-MW1	50	22-AUG-92	6010	45.7		1	214	F
Barium	SNL0093533	LWDS-05-BH11	55	20-MAR-94	6010	27.1		1	214	F
Barium	SNL0093450	LWDS-05-BH12	55	21-MAR-94	6010	47.3		1	214	D
Barium	SNL0093442	LWDS-05-BH12	55	21-MAR-94	6010	40.7		1	214	F
Barium	SNL0093360	LWDS-05-BH13	55	22-MAR-94	6010	258		2	214	F
Barium	SNL0093635	LWDS-05-BH14	55	23-MAR-94	6010	23.3		1	214	F
Barium	SNL0093541	LWDS-05-BH11	60	20-MAR-94	6010	41.4		1	214	F
Barium	SNL0093643	LWDS-05-BH14	60	23-MAR-94	6010	52		1	214	D
Barium	SNL0093639	LWDS-05-BH14	60	23-MAR-94	6010	25.5		1	214	F
Barium	SNL0092314	LWDS-MW1	60	22-AUG-92	6010	34.2		1	214	F
Barium	SNL0093549	LWDS-05-BH11	65	20-MAR-94	6010	15.7		1	214	F
Barium	SNL0092224	LWDS-MW1	68	23-AUG-92	6010	43.5		1	214	F
Barium	SNL0093565	LWDS-05-BH11	70	20-MAR-94	6010	30.6		1	214	D
Barium	SNL0093557	LWDS-05-BH11	70	20-MAR-94	6010	44.1		1	214	F
Barium	SNL0092233	LWDS-MW1	80	23-AUG-92	6010	122		1	214	F
Barium	SNL0092251	LWDS-MW1	89	23-AUG-92	6010	89.9		1	214	D
Barium	SNL0092242	LWDS-MW1	89	23-AUG-92	6010	133		1	214	F
Barium	SNL0092184	LWDS-MW1	102	24-AUG-92	6010	35.8		1	214	F
Barium	SNL0092200	LWDS-MW1	110	24-AUG-92	6010	38.5		1	214	F
Barium	SNL0092192	LWDS-MW1	110	24-AUG-92	6010	41.7		1	214	F
Barium	SNL0092331	LWDS-MW1	120	25-AUG-92	6010	45.8		1	214	F
Barium	SNL0092340	LWDS-MW1	130	25-AUG-92	6010	85.5		1	214	F
Barium	SNL0092357	LWDS-MW1	143	02-SEP-92	6010	61.5		1	214	F
Barium	SNL0092365	LWDS-MW1	150	02-SEP-92	6010	61.4		1	214	F
Barium	SNL0092981	LWDS-MW1	176	06-APR-93	6010	39.9		1	214	F
Barium	SNL0092991	LWDS-MW1	202	08-APR-93	6010	85.4		1	214	F
Barium	SNL0093005	LWDS-MW1	226	13-APR-93	6010	53.5		1	214	F
Barium	SNL0093015	LWDS-MW1	250	14-APR-93	6010	54.1		1	214	F
Barium	SNL0093027	LWDS-MW1	274	15-APR-93	6010	77.3		1	214	F
Barium	SNL0093047	LWDS-MW1	315	17-APR-93	6010	94.9		1	214	F
Barium	SNL0093059	LWDS-MW1	346	19-APR-93	6010	68.3		1	214	F
Barium	SNL0093037	LWDS-MW1	346	19-APR-93	6010	70.7		1	214	D
Barium	SNL0093071	LWDS-MW1	390	21-APR-93	6010	64.2		1	214	F
Barium	SNL0093094	LWDS-MW1	444	27-APR-93	6010	67.8		1	214	F
Beryllium	SNL0093116	LWDS-MW1	0	30-APR-93	6010	0.69		0.2	0.65	F
Beryllium	SNL0093084	LWDS-MW1	0	21-APR-93	6010	0.44		0.2	0.65	F
Beryllium	SNL0092260	LWDS-MW1	12	22-AUG-92	6010	0.21		0.2	0.65	F
Beryllium	SNL0092269	LWDS-MW1	21	22-AUG-92	6010	0.46		0.2	0.65	F
Beryllium	SNL0093468	LWDS-05-BH11	25	20-MAR-94	6010	0.61		0.2	0.65	F
Beryllium	SNL0093378	LWDS-05-BH12	25	21-MAR-94	6010	0.24		0.2	0.65	F
Beryllium	SNL0093288	LWDS-05-BH13	25	22-MAR-94	6010	0.38		0.2	0.65	F
Beryllium	SNL0093674	LWDS-05-BH14	25	23-MAR-94	6010	0.32		0.2	0.65	F
Beryllium	SNL0093476	LWDS-05-BH11	30	20-MAR-94	6010	0.35		0.2	0.65	F
Beryllium	SNL0093386	LWDS-05-BH12	30	21-MAR-94	6010	0.23		0.2	0.65	F
Beryllium	SNL0093296	LWDS-05-BH13	30	22-MAR-94	6010	0.26		0.2	0.65	F
Beryllium	SNL0093678	LWDS-05-BH14	30	23-MAR-94	6010	0.59		0.2	0.65	F
Beryllium	SNL0092278	LWDS-MW1	30	22-AUG-92	6010	0.21		0.2	0.65	F
Beryllium	SNL0093394	LWDS-05-BH12	32.5	21-MAR-94	6010	0.25		0.2	0.65	F
Beryllium	SNL0093304	LWDS-05-BH13	32.5	22-MAR-94	6010	0.39		0.2	0.65	F
Beryllium	SNL0093682	LWDS-05-BH14	32.5	23-MAR-94	6010	0.33		0.2	0.65	F
Beryllium	SNL0093485	LWDS-05-BH11	35	20-MAR-94	6010	0.52		0.2	0.65	F
Beryllium	SNL0093402	LWDS-05-BH12	35	21-MAR-94	6010	0.19	J	0.2	0.65	F
Beryllium	SNL0093312	LWDS-05-BH13	35	22-MAR-94	6010	0.37		0.2	0.65	F
Beryllium	SNL0093686	LWDS-05-BH14	35	23-MAR-94	6010	1	U	1	0.65	F
Beryllium	SNL0093583	LWDS-05-BH11	37.5	20-MAR-94	6010	0.5		0.2	0.65	F
Beryllium	SNL0093410	LWDS-05-BH12	37.5	21-MAR-94	6010	0.14	J	0.2	0.65	F
Beryllium	SNL0093320	LWDS-05-BH13	37.5	22-MAR-94	6010	0.28		0.2	0.65	F
Beryllium	SNL0093690	LWDS-05-BH14	37.5	23-MAR-94	6010	0.34		0.2	0.65	F
Beryllium	SNL0092287	LWDS-MW1	39	22-AUG-92	6010	0.33		0.2	0.65	F
Beryllium	SNL0093493	LWDS-05-BH11	40	20-MAR-94	6010	0.44		0.2	0.65	F
Beryllium	SNL0093418	LWDS-05-BH12	40	21-MAR-94	6010	0.14	J	0.2	0.65	F
Beryllium	SNL0093328	LWDS-05-BH13	40	22-MAR-94	6010	0.27		0.2	0.65	F
Beryllium	SNL0093623	LWDS-05-BH14	40	23-MAR-94	6010	0.49		0.2	0.65	F
Beryllium	SNL0093501	LWDS-05-BH11	42.5	20-MAR-94	6010	0.38		0.2	0.65	F

Table A-4: Metals analyses of soil samples from ER Site 5.

Analyte	Sample Number	Sample Location	Sample Depth (Ft)	Sample Date	Analytical Method	Amount Detected (mg/kg)	Qualifier	Method Detection Limit	NMED Approved Background (mg/kg)	Sample Type
Beryllium	SNL0093509	LWDS-05-BH11	45	20-MAR-94	6010	0.39		0.2	0.65	F
Beryllium	SNL0093426	LWDS-05-BH12	45	21-MAR-94	6010	0.2	U	0.2	0.65	F
Beryllium	SNL0093336	LWDS-05-BH13	45	22-MAR-94	6010	0.2		0.2	0.65	F
Beryllium	SNL0093627	LWDS-05-BH14	45	23-MAR-94	6010	0.56		0.2	0.65	F
Beryllium	SNL0093517	LWDS-05-BH11	47.5	20-MAR-94	6010	0.52		0.2	0.65	F
Beryllium	SNL0093525	LWDS-05-BH11	50	20-MAR-94	6010	0.34		0.2	0.65	F
Beryllium	SNL0093434	LWDS-05-BH12	50	21-MAR-94	6010	0.16	J	0.2	0.65	F
Beryllium	SNL0093344	LWDS-05-BH13	50	22-MAR-94	6010	0.29		0.2	0.65	F
Beryllium	SNL0093352	LWDS-05-BH13	50	22-MAR-94	6010	0.28		0.2	0.65	F
Beryllium	SNL0093631	LWDS-05-BH14	50	23-MAR-94	6010	0.56		0.2	0.65	F
Beryllium	SNL0092305	LWDS-MW1	50	22-AUG-92	6010	0.29		0.2	0.65	D
Beryllium	SNL0092296	LWDS-MW1	50	22-AUG-92	6010	0.32		0.2	0.65	F
Beryllium	SNL0093533	LWDS-05-BH11	55	20-MAR-94	6010	0.28		0.2	0.65	F
Beryllium	SNL0093450	LWDS-05-BH12	55	21-MAR-94	6010	0.21		0.2	0.65	D
Beryllium	SNL0093442	LWDS-05-BH12	55	21-MAR-94	6010	0.13	J	0.2	0.65	F
Beryllium	SNL0093360	LWDS-05-BH13	55	22-MAR-94	6010	0.4	U	0.4	0.65	F
Beryllium	SNL0093635	LWDS-05-BH14	55	23-MAR-94	6010	0.62		0.2	0.65	F
Beryllium	SNL0093541	LWDS-05-BH11	60	20-MAR-94	6010	0.42		0.2	0.65	F
Beryllium	SNL0093643	LWDS-05-BH14	60	23-MAR-94	6010	0.55		0.2	0.65	D
Beryllium	SNL0093639	LWDS-05-BH14	60	23-MAR-94	6010	0.44		0.2	0.65	F
Beryllium	SNL0092314	LWDS-MW1	60	22-AUG-92	6010	0.28		0.2	0.65	F
Beryllium	SNL0093549	LWDS-05-BH11	65	20-MAR-94	6010	0.27		0.2	0.65	F
Beryllium	SNL0092224	LWDS-MW1	68	23-AUG-92	6010	0.25		0.2	0.65	F
Beryllium	SNL0093565	LWDS-05-BH11	70	20-MAR-94	6010	0.36		0.2	0.65	D
Beryllium	SNL0093557	LWDS-05-BH11	70	20-MAR-94	6010	0.46		0.2	0.65	F
Beryllium	SNL0092233	LWDS-MW1	80	23-AUG-92	6010	0.26		0.2	0.65	F
Beryllium	SNL0092251	LWDS-MW1	89	23-AUG-92	6010	0.44		0.2	0.65	D
Beryllium	SNL0092242	LWDS-MW1	89	23-AUG-92	6010	0.23		0.2	0.65	F
Beryllium	SNL0092184	LWDS-MW1	102	24-AUG-92	6010	0.4		0.2	0.65	F
Beryllium	SNL0092200	LWDS-MW1	110	24-AUG-92	6010	0.43		0.2	0.65	F
Beryllium	SNL0092192	LWDS-MW1	110	24-AUG-92	6010	0.52		0.2	0.65	F
Beryllium	SNL0092331	LWDS-MW1	120	25-AUG-92	6010	0.46		0.2	0.65	F
Beryllium	SNL0092340	LWDS-MW1	130	25-AUG-92	6010	0.88		0.2	0.65	F
Beryllium	SNL0092357	LWDS-MW1	143	02-SEP-92	6010	0.4		0.2	0.65	F
Beryllium	SNL0092365	LWDS-MW1	150	02-SEP-92	6010	0.41		0.2	0.65	F
Beryllium	SNL0092981	LWDS-MW1	176	06-APR-93	6010	0.66		0.2	0.65	F
Beryllium	SNL0092991	LWDS-MW1	202	08-APR-93	6010	0.33		0.2	0.65	F
Beryllium	SNL0093005	LWDS-MW1	226	13-APR-93	6010	0.51		0.2	0.65	F
Beryllium	SNL0093015	LWDS-MW1	250	14-APR-93	6010	0.44		0.2	0.65	F
Beryllium	SNL0093027	LWDS-MW1	274	15-APR-93	6010	0.44		0.2	0.65	F
Beryllium	SNL0093047	LWDS-MW1	315	17-APR-93	6010	0.48		0.2	0.65	F
Beryllium	SNL0093059	LWDS-MW1	346	19-APR-93	6010	0.52		0.2	0.65	F
Beryllium	SNL0093037	LWDS-MW1	346	19-APR-93	6010	0.52		0.2	0.65	D
Beryllium	SNL0093071	LWDS-MW1	390	21-APR-93	6010	0.44		0.2	0.65	F
Beryllium	SNL0093094	LWDS-MW1	444	27-APR-93	6010	0.43		0.2	0.65	F
Cadmium	SNL0093116	LWDS-MW1	0	30-APR-93	6010	0.5	U	0.5	<1	F
Cadmium	SNL0093084	LWDS-MW1	0	21-APR-93	6010	0.5	U	0.5	<1	F
Cadmium	SNL0092260	LWDS-MW1	12	22-AUG-92	6010	0.5	U	0.5	0.9	F
Cadmium	SNL0092269	LWDS-MW1	21	22-AUG-92	6010	0.5	U	0.5	0.9	F
Cadmium	SNL0093468	LWDS-05-BH11	25	20-MAR-94	6010	0.5	U	0.5	0.9	F
Cadmium	SNL0093378	LWDS-05-BH12	25	21-MAR-94	6010	0.5	U	0.5	0.9	F
Cadmium	SNL0093288	LWDS-05-BH13	25	22-MAR-94	6010	0.5	U	0.5	0.9	F
Cadmium	SNL0093674	LWDS-05-BH14	25	23-MAR-94	6010	0.88		0.5	0.9	F
Cadmium	SNL0093476	LWDS-05-BH11	30	20-MAR-94	6010	0.5	U	0.5	0.9	F
Cadmium	SNL0093386	LWDS-05-BH12	30	21-MAR-94	6010	0.31	J	0.5	0.9	F
Cadmium	SNL0093296	LWDS-05-BH13	30	22-MAR-94	6010	0.5	U	0.5	0.9	F
Cadmium	SNL0093678	LWDS-05-BH14	30	23-MAR-94	6010	6.7		0.5	0.9	F
Cadmium	SNL0092278	LWDS-MW1	30	22-AUG-92	6010	0.5	U	0.5	0.9	F
Cadmium	SNL0093394	LWDS-05-BH12	32.5	21-MAR-94	6010	5.7		0.5	0.9	F
Cadmium	SNL0093304	LWDS-05-BH13	32.5	22-MAR-94	6010	0.5	U	0.5	0.9	F
Cadmium	SNL0093682	LWDS-05-BH14	32.5	23-MAR-94	6010	0.5	U	0.5	0.9	F
Cadmium	SNL0093485	LWDS-05-BH11	35	20-MAR-94	6010	0.5	U	0.5	0.9	F
Cadmium	SNL0093402	LWDS-05-BH12	35	21-MAR-94	6010	3.5		0.5	0.9	F
Cadmium	SNL0093312	LWDS-05-BH13	35	22-MAR-94	6010	0.5	U	0.5	0.9	F
Cadmium	SNL0093686	LWDS-05-BH14	35	23-MAR-94	6010	2.5	U	2.5	0.9	F
Cadmium	SNL0093583	LWDS-05-BH11	37.5	20-MAR-94	6010	0.5	U	0.5	0.9	F

Table A-4: Metals analyses of soil samples from ER Site 5.

Analyte	Sample Number	Sample Location	Sample Depth (Ft)	Sample Date	Analytical Method	Amount Detected (mg/kg)	Qualifier	Method Detection Limit	NMED Approved Background (mg/kg)	Sample Type
Cadmium	SNL0093410	LWDS-05-BH12	37.5	21-MAR-94	6010	51.1		0.5	0.9	F
Cadmium	SNL0093320	LWDS-05-BH13	37.5	22-MAR-94	6010	0.5	U	0.5	0.9	F
Cadmium	SNL0093690	LWDS-05-BH14	37.5	23-MAR-94	6010	2.5		0.5	0.9	F
Cadmium	SNL0092287	LWDS-MW1	39	22-AUG-92	6010	0.5	U	0.5	0.9	F
Cadmium	SNL0093493	LWDS-05-BH11	40	20-MAR-94	6010	0.5	U	0.5	0.9	F
Cadmium	SNL0093418	LWDS-05-BH12	40	21-MAR-94	6010	22.5		0.5	0.9	F
Cadmium	SNL0093328	LWDS-05-BH13	40	22-MAR-94	6010	0.5	U	0.5	0.9	F
Cadmium	SNL0093623	LWDS-05-BH14	40	23-MAR-94	6010	0.57		0.5	0.9	F
Cadmium	SNL0093501	LWDS-05-BH11	42.5	20-MAR-94	6010	0.5	U	0.5	0.9	F
Cadmium	SNL0093509	LWDS-05-BH11	45	20-MAR-94	6010	0.5	U	0.5	0.9	F
Cadmium	SNL0093426	LWDS-05-BH12	45	21-MAR-94	6010	5.3		0.5	0.9	F
Cadmium	SNL0093336	LWDS-05-BH13	45	22-MAR-94	6010	0.5	U	0.5	0.9	F
Cadmium	SNL0093627	LWDS-05-BH14	45	23-MAR-94	6010	0.5	U	0.5	0.9	F
Cadmium	SNL0093517	LWDS-05-BH11	47.5	20-MAR-94	6010	0.31	J	0.5	0.9	F
Cadmium	SNL0093525	LWDS-05-BH11	50	20-MAR-94	6010	0.5	U	0.5	0.9	F
Cadmium	SNL0093434	LWDS-05-BH12	50	21-MAR-94	6010	0.41	J	0.5	0.9	F
Cadmium	SNL0093352	LWDS-05-BH13	50	22-MAR-94	6010	0.5	U	0.5	0.9	F
Cadmium	SNL0093344	LWDS-05-BH13	50	22-MAR-94	6010	0.5	U	0.5	0.9	F
Cadmium	SNL0093631	LWDS-05-BH14	50	23-MAR-94	6010	0.5	U	0.5	0.9	F
Cadmium	SNL0092296	LWDS-MW1	50	22-AUG-92	6010	0.5	U	0.5	0.9	F
Cadmium	SNL0092305	LWDS-MW1	50	22-AUG-92	6010	0.5	U	0.5	0.9	D
Cadmium	SNL0093533	LWDS-05-BH11	55	20-MAR-94	6010	0.5	U	0.5	0.9	F
Cadmium	SNL0093450	LWDS-05-BH12	55	21-MAR-94	6010	3		0.5	0.9	D
Cadmium	SNL0093442	LWDS-05-BH12	55	21-MAR-94	6010	0.4	J	0.5	0.9	F
Cadmium	SNL0093360	LWDS-05-BH13	55	22-MAR-94	6010	1	U	1	0.9	F
Cadmium	SNL0093635	LWDS-05-BH14	55	23-MAR-94	6010	0.58		0.5	0.9	F
Cadmium	SNL0093541	LWDS-05-BH11	60	20-MAR-94	6010	0.5	U	0.5	0.9	F
Cadmium	SNL0093643	LWDS-05-BH14	60	23-MAR-94	6010	0.5	U	0.5	0.9	D
Cadmium	SNL0093639	LWDS-05-BH14	60	23-MAR-94	6010	0.96		0.5	0.9	F
Cadmium	SNL0092314	LWDS-MW1	60	22-AUG-92	6010	0.5	U	0.5	0.9	F
Cadmium	SNL0093549	LWDS-05-BH11	65	20-MAR-94	6010	0.5	U	0.5	0.9	F
Cadmium	SNL0092224	LWDS-MW1	68	23-AUG-92	6010	0.5	U	0.5	0.9	F
Cadmium	SNL0093565	LWDS-05-BH11	70	20-MAR-94	6010	0.5	U	0.5	0.9	D
Cadmium	SNL0093557	LWDS-05-BH11	70	20-MAR-94	6010	0.5	U	0.5	0.9	F
Cadmium	SNL0092233	LWDS-MW1	80	23-AUG-92	6010	0.5	U	0.5	0.9	F
Cadmium	SNL0092251	LWDS-MW1	89	23-AUG-92	6010	0.5	U	0.5	0.9	D
Cadmium	SNL0092242	LWDS-MW1	89	23-AUG-92	6010	0.5	U	0.5	0.9	F
Cadmium	SNL0092184	LWDS-MW1	102	24-AUG-92	6010	0.5	U	0.5	0.9	F
Cadmium	SNL0092200	LWDS-MW1	110	24-AUG-92	6010	0.5	U	0.5	0.9	F
Cadmium	SNL0092192	LWDS-MW1	110	24-AUG-92	6010	0.5	U	0.5	0.9	F
Cadmium	SNL0092331	LWDS-MW1	120	25-AUG-92	6010	0.5	U	0.5	0.9	F
Cadmium	SNL0092340	LWDS-MW1	130	25-AUG-92	6010	0.5	U	0.5	0.9	F
Cadmium	SNL0092357	LWDS-MW1	143	02-SEP-92	6010	0.5	U	0.5	0.9	F
Cadmium	SNL0092365	LWDS-MW1	150	02-SEP-92	6010	0.5	U	0.5	0.9	F
Cadmium	SNL0092981	LWDS-MW1	176	06-APR-93	6010	0.5	U	0.5	0.9	F
Cadmium	SNL0092991	LWDS-MW1	202	08-APR-93	6010	0.5	U	0.5	0.9	F
Cadmium	SNL0093005	LWDS-MW1	226	13-APR-93	6010	0.5	U	0.5	0.9	F
Cadmium	SNL0093015	LWDS-MW1	250	14-APR-93	6010	0.5	U	0.5	0.9	F
Cadmium	SNL0093027	LWDS-MW1	274	15-APR-93	6010	0.5	U	0.5	0.9	F
Cadmium	SNL0093047	LWDS-MW1	315	17-APR-93	6010	0.5	U	0.5	0.9	F
Cadmium	SNL0093059	LWDS-MW1	346	19-APR-93	6010	0.5	U	0.5	0.9	F
Cadmium	SNL0093037	LWDS-MW1	346	19-APR-93	6010	0.5	U	0.5	0.9	D
Cadmium	SNL0093071	LWDS-MW1	390	21-APR-93	6010	0.5	U	0.5	0.9	F
Cadmium	SNL0093094	LWDS-MW1	444	27-APR-93	6010	0.42	J	0.5	0.9	F
Calcium	SNL0093116	LWDS-MW1	0	30-APR-93	6010	47000		20	NA	F
Calcium	SNL0093084	LWDS-MW1	0	21-APR-93	6010	35700		20	NA	F
Calcium	SNL0092260	LWDS-MW1	12	22-AUG-92	6010	27000		20	NA	F
Calcium	SNL0092269	LWDS-MW1	21	22-AUG-92	6010	39900		20	NA	F
Calcium	SNL0093468	LWDS-05-BH11	25	20-MAR-94	6010	23600		20	NA	F
Calcium	SNL0093378	LWDS-05-BH12	25	21-MAR-94	6010	34100		20	NA	F
Calcium	SNL0093288	LWDS-05-BH13	25	22-MAR-94	6010	41100		20	NA	F
Calcium	SNL0093674	LWDS-05-BH14	25	23-MAR-94	6010	75300		20	NA	F
Calcium	SNL0093476	LWDS-05-BH11	30	20-MAR-94	6010	89500		20	NA	F
Calcium	SNL0093386	LWDS-05-BH12	30	21-MAR-94	6010	44500		20	NA	F
Calcium	SNL0093296	LWDS-05-BH13	30	22-MAR-94	6010	50300		20	NA	F
Calcium	SNL0093678	LWDS-05-BH14	30	23-MAR-94	6010	24700		20	NA	F

Table A-4: Metals analyses of soil samples from ER Site 5.

Analyte	Sample Number	Sample Location	Sample Depth (Ft)	Sample Date	Analytical Method	Amount Detected (mg/kg)	Qualifier	Method Detection Limit	NMED Approved Background (mg/kg)	Sample Type
Calcium	SNL0092278	LWDS-MW1	30	22-AUG-92	6010	61900		20	NA	F
Calcium	SNL0093394	LWDS-05-BH12	32.5	21-MAR-94	6010	28800		20	NA	F
Calcium	SNL0093304	LWDS-05-BH13	32.5	22-MAR-94	6010	52600		20	NA	F
Calcium	SNL0093682	LWDS-05-BH14	32.5	23-MAR-94	6010	65900		20	NA	F
Calcium	SNL0093485	LWDS-05-BH11	35	20-MAR-94	6010	77100		20	NA	F
Calcium	SNL0093402	LWDS-05-BH12	35	21-MAR-94	6010	38200		20	NA	F
Calcium	SNL0093312	LWDS-05-BH13	35	22-MAR-94	6010	54200		20	NA	F
Calcium	SNL0093686	LWDS-05-BH14	35	23-MAR-94	6010	209000		100	NA	F
Calcium	SNL0093583	LWDS-05-BH11	37.5	20-MAR-94	6010	7680		20	NA	F
Calcium	SNL0093410	LWDS-05-BH12	37.5	21-MAR-94	6010	46900		20	NA	F
Calcium	SNL0093320	LWDS-05-BH13	37.5	22-MAR-94	6010	46200		20	NA	F
Calcium	SNL0093690	LWDS-05-BH14	37.5	23-MAR-94	6010	89000		20	NA	F
Calcium	SNL0092287	LWDS-MW1	39	22-AUG-92	6010	22700		20	NA	F
Calcium	SNL0093493	LWDS-05-BH11	40	20-MAR-94	6010	51400		20	NA	F
Calcium	SNL0093418	LWDS-05-BH12	40	21-MAR-94	6010	29300		20	NA	F
Calcium	SNL0093328	LWDS-05-BH13	40	22-MAR-94	6010	48900		20	NA	F
Calcium	SNL0093623	LWDS-05-BH14	40	23-MAR-94	6010	96200		20	NA	F
Calcium	SNL0093501	LWDS-05-BH11	42.5	20-MAR-94	6010	23500		20	NA	F
Calcium	SNL0093509	LWDS-05-BH11	45	20-MAR-94	6010	18900		20	NA	F
Calcium	SNL0093426	LWDS-05-BH12	45	21-MAR-94	6010	17100		20	NA	F
Calcium	SNL0093336	LWDS-05-BH13	45	22-MAR-94	6010	69300		20	NA	F
Calcium	SNL0093627	LWDS-05-BH14	45	23-MAR-94	6010	20200		20	NA	F
Calcium	SNL0093517	LWDS-05-BH11	47.5	20-MAR-94	6010	27900		20	NA	F
Calcium	SNL0093525	LWDS-05-BH11	50	20-MAR-94	6010	16000		20	NA	F
Calcium	SNL0093434	LWDS-05-BH12	50	21-MAR-94	6010	43100		20	NA	F
Calcium	SNL0093344	LWDS-05-BH13	50	22-MAR-94	6010	52200		20	NA	F
Calcium	SNL0093352	LWDS-05-BH13	50	22-MAR-94	6010	47500		20	NA	F
Calcium	SNL0093631	LWDS-05-BH14	50	23-MAR-94	6010	12800		20	NA	F
Calcium	SNL0092305	LWDS-MW1	50	22-AUG-92	6010	39500		20	NA	D
Calcium	SNL0092296	LWDS-MW1	50	22-AUG-92	6010	36700		20	NA	F
Calcium	SNL0093533	LWDS-05-BH11	55	20-MAR-94	6010	7570		20	NA	F
Calcium	SNL0093450	LWDS-05-BH12	55	21-MAR-94	6010	28700		20	NA	D
Calcium	SNL0093442	LWDS-05-BH12	55	21-MAR-94	6010	28800		20	NA	F
Calcium	SNL0093360	LWDS-05-BH13	55	22-MAR-94	6010	97500		40	NA	F
Calcium	SNL0093635	LWDS-05-BH14	55	23-MAR-94	6010	45300		20	NA	F
Calcium	SNL0093541	LWDS-05-BH11	60	20-MAR-94	6010	20300		20	NA	F
Calcium	SNL0093639	LWDS-05-BH14	60	23-MAR-94	6010	35100		20	NA	F
Calcium	SNL0093643	LWDS-05-BH14	60	23-MAR-94	6010	36800		20	NA	D
Calcium	SNL0092314	LWDS-MW1	60	22-AUG-92	6010	42200		20	NA	F
Calcium	SNL0093549	LWDS-05-BH11	65	20-MAR-94	6010	28000		20	NA	F
Calcium	SNL0092224	LWDS-MW1	68	23-AUG-92	6010	32500		20	NA	F
Calcium	SNL0093565	LWDS-05-BH11	70	20-MAR-94	6010	24100		20	NA	D
Calcium	SNL0093557	LWDS-05-BH11	70	20-MAR-94	6010	27500		20	NA	F
Calcium	SNL0092233	LWDS-MW1	80	23-AUG-92	6010	14400		20	NA	F
Calcium	SNL0092251	LWDS-MW1	89	23-AUG-92	6010	71700		20	NA	D
Calcium	SNL0092242	LWDS-MW1	89	23-AUG-92	6010	91900		20	NA	F
Calcium	SNL0092184	LWDS-MW1	102	24-AUG-92	6010	71000		20	NA	F
Calcium	SNL0092200	LWDS-MW1	110	24-AUG-92	6010	22300		20	NA	F
Calcium	SNL0092192	LWDS-MW1	110	24-AUG-92	6010	25400		20	NA	F
Calcium	SNL0092331	LWDS-MW1	120	25-AUG-92	6010	36200		20	NA	F
Calcium	SNL0092340	LWDS-MW1	130	25-AUG-92	6010	36100		20	NA	F
Calcium	SNL0092357	LWDS-MW1	143	02-SEP-92	6010	29500		20	NA	F
Calcium	SNL0092365	LWDS-MW1	150	02-SEP-92	6010	42200		20	NA	F
Calcium	SNL0092981	LWDS-MW1	176	06-APR-93	6010	22600		20	NA	F
Calcium	SNL0092991	LWDS-MW1	202	08-APR-93	6010	23900		20	NA	F
Calcium	SNL0093005	LWDS-MW1	226	13-APR-93	6010	57100		20	NA	F
Calcium	SNL0093015	LWDS-MW1	250	14-APR-93	6010	18200		20	NA	F
Calcium	SNL0093027	LWDS-MW1	274	15-APR-93	6010	29100		20	NA	F
Calcium	SNL0093047	LWDS-MW1	315	17-APR-93	6010	40800		20	NA	F
Calcium	SNL0093059	LWDS-MW1	346	19-APR-93	6010	17700		20	NA	F
Calcium	SNL0093037	LWDS-MW1	346	19-APR-93	6010	19700		20	NA	D
Calcium	SNL0093071	LWDS-MW1	390	21-APR-93	6010	40800		20	NA	F
Calcium	SNL0093094	LWDS-MW1	444	27-APR-93	6010	20600		20	NA	F
Chromium	SNL0093116	LWDS-MW1	0	30-APR-93	6010	6.9		1	17.3	F
Chromium	SNL0093084	LWDS-MW1	0	21-APR-93	6010	5.8		1	17.3	F
Chromium	SNL0092260	LWDS-MW1	12	22-AUG-92	6010	4.4		1	15.9	F

Table A-4: Metals analyses of soil samples from ER Site 5.

Analyte	Sample Number	Sample Location	Sample Depth (Ft)	Sample Date	Analytical Method	Amount Detected (mg/kg)	Qualifier	Method Detection Limit	NMED Approved Background (mg/kg)	Sample Type
Chromium	SNL0092269	LWDS-MW1	21	22-AUG-92	6010	9		1	15.9	F
Chromium	SNL0093468	LWDS-05-BH11	25	20-MAR-94	6010	10.5		1	15.9	F
Chromium	SNL0093378	LWDS-05-BH12	25	21-MAR-94	6010	3.8		1	15.9	F
Chromium	SNL0093288	LWDS-05-BH13	25	22-MAR-94	6010	7.7		1	15.9	F
Chromium	SNL0093674	LWDS-05-BH14	25	23-MAR-94	6010	5.6		1	15.9	F
Chromium	SNL0093476	LWDS-05-BH11	30	20-MAR-94	6010	4.9		1	15.9	F
Chromium	SNL0093386	LWDS-05-BH12	30	21-MAR-94	6010	2.7		1	15.9	F
Chromium	SNL0093296	LWDS-05-BH13	30	22-MAR-94	6010	6.7		1	15.9	F
Chromium	SNL0093678	LWDS-05-BH14	30	23-MAR-94	6010	6.7		1	15.9	F
Chromium	SNL0092278	LWDS-MW1	30	22-AUG-92	6010	12.1		1	15.9	F
Chromium	SNL0093394	LWDS-05-BH12	32.5	21-MAR-94	6010	14.5		1	15.9	F
Chromium	SNL0093304	LWDS-05-BH13	32.5	22-MAR-94	6010	7.7		1	15.9	F
Chromium	SNL0093682	LWDS-05-BH14	32.5	23-MAR-94	6010	3.8		1	15.9	F
Chromium	SNL0093485	LWDS-05-BH11	35	20-MAR-94	6010	7.1		1	15.9	F
Chromium	SNL0093402	LWDS-05-BH12	35	21-MAR-94	6010	5.6		1	15.9	F
Chromium	SNL0093312	LWDS-05-BH13	35	22-MAR-94	6010	6.7		1	15.9	F
Chromium	SNL0093686	LWDS-05-BH14	35	23-MAR-94	6010	5	U	5	15.9	F
Chromium	SNL0093583	LWDS-05-BH11	37.5	20-MAR-94	6010	2.2		1	15.9	F
Chromium	SNL0093410	LWDS-05-BH12	37.5	21-MAR-94	6010	28.7		1	15.9	F
Chromium	SNL0093320	LWDS-05-BH13	37.5	22-MAR-94	6010	5.9		1	15.9	F
Chromium	SNL0093690	LWDS-05-BH14	37.5	23-MAR-94	6010	42.4		1	15.9	F
Chromium	SNL0092287	LWDS-MW1	39	22-AUG-92	6010	6.6		1	15.9	F
Chromium	SNL0093493	LWDS-05-BH11	40	20-MAR-94	6010	5.7		1	15.9	F
Chromium	SNL0093418	LWDS-05-BH12	40	21-MAR-94	6010	20.9		1	15.9	F
Chromium	SNL0093328	LWDS-05-BH13	40	22-MAR-94	6010	6.5		1	15.9	F
Chromium	SNL0093623	LWDS-05-BH14	40	23-MAR-94	6010	5.6		1	15.9	F
Chromium	SNL0093501	LWDS-05-BH11	42.5	20-MAR-94	6010	5.4		1	15.9	F
Chromium	SNL0093509	LWDS-05-BH11	45	20-MAR-94	6010	7.3		1	15.9	F
Chromium	SNL0093426	LWDS-05-BH12	45	21-MAR-94	6010	5.8		1	15.9	F
Chromium	SNL0093336	LWDS-05-BH13	45	22-MAR-94	6010	4.6		1	15.9	F
Chromium	SNL0093627	LWDS-05-BH14	45	23-MAR-94	6010	7		1	15.9	F
Chromium	SNL0093517	LWDS-05-BH11	47.5	20-MAR-94	6010	8.6		1	15.9	F
Chromium	SNL0093525	LWDS-05-BH11	50	20-MAR-94	6010	6.9		1	15.9	F
Chromium	SNL0093434	LWDS-05-BH12	50	21-MAR-94	6010	3.6		1	15.9	F
Chromium	SNL0093352	LWDS-05-BH13	50	22-MAR-94	6010	10.5		1	15.9	F
Chromium	SNL0093344	LWDS-05-BH13	50	22-MAR-94	6010	16		1	15.9	F
Chromium	SNL0093631	LWDS-05-BH14	50	23-MAR-94	6010	7.7		1	15.9	F
Chromium	SNL0092305	LWDS-MW1	50	22-AUG-92	6010	4		1	15.9	D
Chromium	SNL0092296	LWDS-MW1	50	22-AUG-92	6010	3.6		1	15.9	F
Chromium	SNL0093533	LWDS-05-BH11	55	20-MAR-94	6010	6.1		1	15.9	F
Chromium	SNL0093450	LWDS-05-BH12	55	21-MAR-94	6010	7.4		1	15.9	D
Chromium	SNL0093442	LWDS-05-BH12	55	21-MAR-94	6010	2.6		1	15.9	F
Chromium	SNL0093360	LWDS-05-BH13	55	22-MAR-94	6010	6		2	15.9	F
Chromium	SNL0093635	LWDS-05-BH14	55	23-MAR-94	6010	2.3		1	15.9	F
Chromium	SNL0093541	LWDS-05-BH11	60	20-MAR-94	6010	6.9		1	15.9	F
Chromium	SNL0093643	LWDS-05-BH14	60	23-MAR-94	6010	7.5		1	15.9	D
Chromium	SNL0093639	LWDS-05-BH14	60	23-MAR-94	6010	11.3		1	15.9	F
Chromium	SNL0092314	LWDS-MW1	60	22-AUG-92	6010	6		1	15.9	F
Chromium	SNL0093549	LWDS-05-BH11	65	20-MAR-94	6010	3.2		1	15.9	F
Chromium	SNL0092224	LWDS-MW1	68	23-AUG-92	6010	5.9		1	15.9	F
Chromium	SNL0093565	LWDS-05-BH11	70	20-MAR-94	6010	6.8		1	15.9	D
Chromium	SNL0093557	LWDS-05-BH11	70	20-MAR-94	6010	7.5		1	15.9	F
Chromium	SNL0092233	LWDS-MW1	80	23-AUG-92	6010	4.1		1	15.9	F
Chromium	SNL0092251	LWDS-MW1	89	23-AUG-92	6010	6.2		1	15.9	D
Chromium	SNL0092242	LWDS-MW1	89	23-AUG-92	6010	6		1	15.9	F
Chromium	SNL0092184	LWDS-MW1	102	24-AUG-92	6010	6.8		1	15.9	F
Chromium	SNL0092200	LWDS-MW1	110	24-AUG-92	6010	5.7		1	15.9	F
Chromium	SNL0092192	LWDS-MW1	110	24-AUG-92	6010	6.9		1	15.9	F
Chromium	SNL0092331	LWDS-MW1	120	25-AUG-92	6010	11.5		1	15.9	F
Chromium	SNL0092340	LWDS-MW1	130	25-AUG-92	6010	12.9		1	15.9	F
Chromium	SNL0092357	LWDS-MW1	143	02-SEP-92	6010	19		1	15.9	F
Chromium	SNL0092365	LWDS-MW1	150	02-SEP-92	6010	22.3		1	15.9	F
Chromium	SNL0092981	LWDS-MW1	176	06-APR-93	6010	7.3		1	15.9	F
Chromium	SNL0092991	LWDS-MW1	202	08-APR-93	6010	15.7		1	15.9	F
Chromium	SNL0093005	LWDS-MW1	226	13-APR-93	6010	8.7		1	15.9	F
Chromium	SNL0093015	LWDS-MW1	250	14-APR-93	6010	6.5		1	15.9	F

Table A-4: Metals analyses of soil samples from ER Site 5.

Analyte	Sample Number	Sample Location	Sample Depth (Ft)	Sample Date	Analytical Method	Amount Detected (mg/kg)	Qualifier	Method Detection Limit	NMED Approved Background (mg/kg)	Sample Type
Chromium	SNL0093027	LWDS-MW1	274	15-APR-93	6010	11.4		1	15.9	F
Chromium	SNL0093047	LWDS-MW1	315	17-APR-93	6010	20.5		1	15.9	F
Chromium	SNL0093059	LWDS-MW1	346	19-APR-93	6010	5.4		1	15.9	F
Chromium	SNL0093037	LWDS-MW1	346	19-APR-93	6010	7.7		1	15.9	D
Chromium	SNL0093071	LWDS-MW1	390	21-APR-93	6010	4.6		1	15.9	F
Chromium	SNL0093094	LWDS-MW1	444	27-APR-93	6010	8.6		1	15.9	F
Chromium VI	SNL0093118	LWDS-MW1	0	30-APR-93	7196	0.1	U	0.1	1	F
Chromium VI	SNL0093086	LWDS-MW1	0	21-APR-93	7196	0.1	U	0.1	1	F
Chromium VI	SNL0092983	LWDS-MW1	176	06-APR-93	7196	0.1	U	0.1	1	F
Chromium VI	SNL0092993	LWDS-MW1	202	08-APR-93	7196	0.1	U	0.1	1	F
Chromium VI	SNL0093007	LWDS-MW1	226	13-APR-93	7196	0.1	U	0.1	1	F
Chromium VI	SNL0093017	LWDS-MW1	250	14-APR-93	7196	0.1	U	0.1	1	F
Chromium VI	SNL0093029	LWDS-MW1	274	15-APR-93	7196	0.1	U	0.1	1	F
Chromium VI	SNL0093049	LWDS-MW1	315	17-APR-93	7196	0.1	U	0.1	1	F
Chromium VI	SNL0093061	LWDS-MW1	346	19-APR-93	7196	0.1	U	0.1	1	F
Chromium VI	SNL0093039	LWDS-MW1	346	19-APR-93	7196	0.1	U	0.1	1	D
Chromium VI	SNL0093073	LWDS-MW1	390	21-APR-93	7196	0.1	U	0.1	1	F
Chromium VI	SNL0093096	LWDS-MW1	444	27-APR-93	7196	0.1	U	0.1	1	F
Cobalt	SNL0093116	LWDS-MW1	0	30-APR-93	6010	4.8		1	5.2	F
Cobalt	SNL0093084	LWDS-MW1	0	21-APR-93	6010	4.9		1	5.2	F
Cobalt	SNL0092260	LWDS-MW1	12	22-AUG-92	6010	3.3		1	5.2	F
Cobalt	SNL0092269	LWDS-MW1	21	22-AUG-92	6010	5.4		1	5.2	F
Cobalt	SNL0093468	LWDS-05-BH11	25	20-MAR-94	6010	5		1	5.2	F
Cobalt	SNL0093378	LWDS-05-BH12	25	21-MAR-94	6010	3.1		1	5.2	F
Cobalt	SNL0093288	LWDS-05-BH13	25	22-MAR-94	6010	4.7		1	5.2	F
Cobalt	SNL0093674	LWDS-05-BH14	25	23-MAR-94	6010	4.9		1	5.2	F
Cobalt	SNL0093476	LWDS-05-BH11	30	20-MAR-94	6010	3		1	5.2	F
Cobalt	SNL0093386	LWDS-05-BH12	30	21-MAR-94	6010	2.2		1	5.2	F
Cobalt	SNL0093296	LWDS-05-BH13	30	22-MAR-94	6010	3.3		1	5.2	F
Cobalt	SNL0093678	LWDS-05-BH14	30	23-MAR-94	6010	2.9		1	5.2	F
Cobalt	SNL0092278	LWDS-MW1	30	22-AUG-92	6010	4.3		1	5.2	F
Cobalt	SNL0093394	LWDS-05-BH12	32.5	21-MAR-94	6010	2.9		1	5.2	F
Cobalt	SNL0093304	LWDS-05-BH13	32.5	22-MAR-94	6010	4.2		1	5.2	F
Cobalt	SNL0093682	LWDS-05-BH14	32.5	23-MAR-94	6010	3		1	5.2	F
Cobalt	SNL0093485	LWDS-05-BH11	35	20-MAR-94	6010	3.9		1	5.2	F
Cobalt	SNL0093402	LWDS-05-BH12	35	21-MAR-94	6010	2.6		1	5.2	F
Cobalt	SNL0093312	LWDS-05-BH13	35	22-MAR-94	6010	3.9		1	5.2	F
Cobalt	SNL0093686	LWDS-05-BH14	35	23-MAR-94	6010	3.4	J	5	5.2	F
Cobalt	SNL0093583	LWDS-05-BH11	37.5	20-MAR-94	6010	3.4		1	5.2	F
Cobalt	SNL0093410	LWDS-05-BH12	37.5	21-MAR-94	6010	1.9		1	5.2	F
Cobalt	SNL0093320	LWDS-05-BH13	37.5	22-MAR-94	6010	4		1	5.2	F
Cobalt	SNL0093690	LWDS-05-BH14	37.5	23-MAR-94	6010	3.5		1	5.2	F
Cobalt	SNL0092287	LWDS-MW1	39	22-AUG-92	6010	4.3		1	5.2	F
Cobalt	SNL0093493	LWDS-05-BH11	40	20-MAR-94	6010	3.8		1	5.2	F
Cobalt	SNL0093418	LWDS-05-BH12	40	21-MAR-94	6010	2.8		1	5.2	F
Cobalt	SNL0093328	LWDS-05-BH13	40	22-MAR-94	6010	3.1		1	5.2	F
Cobalt	SNL0093623	LWDS-05-BH14	40	23-MAR-94	6010	4		1	5.2	F
Cobalt	SNL0093501	LWDS-05-BH11	42.5	20-MAR-94	6010	3.1		1	5.2	F
Cobalt	SNL0093509	LWDS-05-BH11	45	20-MAR-94	6010	3.9		1	5.2	F
Cobalt	SNL0093426	LWDS-05-BH12	45	21-MAR-94	6010	1.8		1	5.2	F
Cobalt	SNL0093336	LWDS-05-BH13	45	22-MAR-94	6010	2.4		1	5.2	F
Cobalt	SNL0093627	LWDS-05-BH14	45	23-MAR-94	6010	3.8		1	5.2	F
Cobalt	SNL0093517	LWDS-05-BH11	47.5	20-MAR-94	6010	3.8		1	5.2	F
Cobalt	SNL0093525	LWDS-05-BH11	50	20-MAR-94	6010	3.2		1	5.2	F
Cobalt	SNL0093434	LWDS-05-BH12	50	21-MAR-94	6010	2.6		1	5.2	F
Cobalt	SNL0093344	LWDS-05-BH13	50	22-MAR-94	6010	4.4		1	5.2	F
Cobalt	SNL0093352	LWDS-05-BH13	50	22-MAR-94	6010	3.8		1	5.2	F
Cobalt	SNL0093631	LWDS-05-BH14	50	23-MAR-94	6010	3.6		1	5.2	F
Cobalt	SNL0092305	LWDS-MW1	50	22-AUG-92	6010	2.9		1	5.2	D
Cobalt	SNL0092296	LWDS-MW1	50	22-AUG-92	6010	2.7		1	5.2	F
Cobalt	SNL0093533	LWDS-05-BH11	55	20-MAR-94	6010	2.2		1	5.2	F
Cobalt	SNL0093450	LWDS-05-BH12	55	21-MAR-94	6010	2.7		1	5.2	D
Cobalt	SNL0093442	LWDS-05-BH12	55	21-MAR-94	6010	2.1		1	5.2	F
Cobalt	SNL0093360	LWDS-05-BH13	55	22-MAR-94	6010	2.3		2	5.2	F
Cobalt	SNL0093635	LWDS-05-BH14	55	23-MAR-94	6010	3.4		1	5.2	F
Cobalt	SNL0093541	LWDS-05-BH11	60	20-MAR-94	6010	3.3		1	5.2	F

Table A-4: Metals analyses of soil samples from ER Site 5.

Analyte	Sample Number	Sample Location	Sample Depth (Ft)	Sample Date	Analytical Method	Amount Detected (mg/kg)	Qualifier	Method Detection Limit	NMED Approved Background (mg/kg)	Sample Type
Cobalt	SNL0093643	LWDS-05-BH14	60	23-MAR-94	6010	5.2		1	5.2	D
Cobalt	SNL0093639	LWDS-05-BH14	60	23-MAR-94	6010	3.7		1	5.2	F
Cobalt	SNL0092314	LWDS-MW1	60	22-AUG-92	6010	4.2		1	5.2	F
Cobalt	SNL0093549	LWDS-05-BH11	65	20-MAR-94	6010	2		1	5.2	F
Cobalt	SNL0092224	LWDS-MW1	68	23-AUG-92	6010	3.6		1	5.2	F
Cobalt	SNL0093565	LWDS-05-BH11	70	20-MAR-94	6010	3.9		1	5.2	D
Cobalt	SNL0093557	LWDS-05-BH11	70	20-MAR-94	6010	4.4		1	5.2	F
Cobalt	SNL0092233	LWDS-MW1	80	23-AUG-92	6010	2.8		1	5.2	F
Cobalt	SNL0092251	LWDS-MW1	89	23-AUG-92	6010	3.4		1	5.2	D
Cobalt	SNL0092242	LWDS-MW1	89	23-AUG-92	6010	3		1	5.2	F
Cobalt	SNL0092184	LWDS-MW1	102	24-AUG-92	6010	3.5		1	5.2	F
Cobalt	SNL0092200	LWDS-MW1	110	24-AUG-92	6010	4.5		1	5.2	F
Cobalt	SNL0092192	LWDS-MW1	110	24-AUG-92	6010	4.9		1	5.2	F
Cobalt	SNL0092331	LWDS-MW1	120	25-AUG-92	6010	3.8		1	5.2	F
Cobalt	SNL0092340	LWDS-MW1	130	25-AUG-92	6010	8.3		1	5.2	F
Cobalt	SNL0092357	LWDS-MW1	143	02-SEP-92	6010	5.2		1	5.2	F
Cobalt	SNL0092365	LWDS-MW1	150	02-SEP-92	6010	4.6		1	5.2	F
Cobalt	SNL0092981	LWDS-MW1	176	06-APR-93	6010	4.3		1	5.2	F
Cobalt	SNL0092991	LWDS-MW1	202	08-APR-93	6010	4.2		1	5.2	F
Cobalt	SNL0093005	LWDS-MW1	226	13-APR-93	6010	5.7		1	5.2	F
Cobalt	SNL0093015	LWDS-MW1	250	14-APR-93	6010	3.7		1	5.2	F
Cobalt	SNL0093027	LWDS-MW1	274	15-APR-93	6010	4.2		1	5.2	F
Cobalt	SNL0093047	LWDS-MW1	315	17-APR-93	6010	5		1	5.2	F
Cobalt	SNL0093059	LWDS-MW1	346	19-APR-93	6010	5.1		1	5.2	F
Cobalt	SNL0093037	LWDS-MW1	346	19-APR-93	6010	4.7		1	5.2	D
Cobalt	SNL0093071	LWDS-MW1	390	21-APR-93	6010	4.2		1	5.2	F
Cobalt	SNL0093094	LWDS-MW1	444	27-APR-93	6010	4.6		1	5.2	F
Copper	SNL0093116	LWDS-MW1	0	30-APR-93	6010	8.7		2	15.4	F
Copper	SNL0093084	LWDS-MW1	0	21-APR-93	6010	8.5		2	15.4	F
Copper	SNL0092260	LWDS-MW1	12	22-AUG-92	6010	4.4		2	18.2	F
Copper	SNL0092269	LWDS-MW1	21	22-AUG-92	6010	8.1		2	18.2	F
Copper	SNL0093468	LWDS-05-BH11	25	20-MAR-94	6010	11.1		2	18.2	F
Copper	SNL0093378	LWDS-05-BH12	25	21-MAR-94	6010	6.8		2	18.2	F
Copper	SNL0093288	LWDS-05-BH13	25	22-MAR-94	6010	7.6		2	18.2	F
Copper	SNL0093674	LWDS-05-BH14	25	23-MAR-94	6010	11.3		2	18.2	F
Copper	SNL0093476	LWDS-05-BH11	30	20-MAR-94	6010	4.7		2	18.2	F
Copper	SNL0093386	LWDS-05-BH12	30	21-MAR-94	6010	5.6		2	18.2	F
Copper	SNL0093296	LWDS-05-BH13	30	22-MAR-94	6010	9		2	18.2	F
Copper	SNL0093678	LWDS-05-BH14	30	23-MAR-94	6010	13.4		2	18.2	F
Copper	SNL0092278	LWDS-MW1	30	22-AUG-92	6010	8.5		2	18.2	F
Copper	SNL0093394	LWDS-05-BH12	32.5	21-MAR-94	6010	9.8		2	18.2	F
Copper	SNL0093304	LWDS-05-BH13	32.5	22-MAR-94	6010	7.9		2	18.2	F
Copper	SNL0093682	LWDS-05-BH14	32.5	23-MAR-94	6010	6		2	18.2	F
Copper	SNL0093485	LWDS-05-BH11	35	20-MAR-94	6010	6.7		2	18.2	F
Copper	SNL0093402	LWDS-05-BH12	35	21-MAR-94	6010	7.3		2	18.2	F
Copper	SNL0093312	LWDS-05-BH13	35	22-MAR-94	6010	6.3		2	18.2	F
Copper	SNL0093686	LWDS-05-BH14	35	23-MAR-94	6010	2.5	J	10	18.2	F
Copper	SNL0093583	LWDS-05-BH11	37.5	20-MAR-94	6010	8.4		2	18.2	F
Copper	SNL0093410	LWDS-05-BH12	37.5	21-MAR-94	6010	24.2		2	18.2	F
Copper	SNL0093320	LWDS-05-BH13	37.5	22-MAR-94	6010	10.9		2	18.2	F
Copper	SNL0093690	LWDS-05-BH14	37.5	23-MAR-94	6010	19.2		2	18.2	F
Copper	SNL0092287	LWDS-MW1	39	22-AUG-92	6010	7.5		2	18.2	F
Copper	SNL0093493	LWDS-05-BH11	40	20-MAR-94	6010	6.9		2	18.2	F
Copper	SNL0093418	LWDS-05-BH12	40	21-MAR-94	6010	16.5		2	18.2	F
Copper	SNL0093328	LWDS-05-BH13	40	22-MAR-94	6010	7.9		2	18.2	F
Copper	SNL0093623	LWDS-05-BH14	40	23-MAR-94	6010	9.3		2	18.2	F
Copper	SNL0093501	LWDS-05-BH11	42.5	20-MAR-94	6010	8		2	18.2	F
Copper	SNL0093509	LWDS-05-BH11	45	20-MAR-94	6010	6.7		2	18.2	F
Copper	SNL0093426	LWDS-05-BH12	45	21-MAR-94	6010	6.6		2	18.2	F
Copper	SNL0093336	LWDS-05-BH13	45	22-MAR-94	6010	5.8		2	18.2	F
Copper	SNL0093627	LWDS-05-BH14	45	23-MAR-94	6010	6.6		2	18.2	F
Copper	SNL0093517	LWDS-05-BH11	47.5	20-MAR-94	6010	5.9		2	18.2	F
Copper	SNL0093525	LWDS-05-BH11	50	20-MAR-94	6010	5.9		2	18.2	F
Copper	SNL0093434	LWDS-05-BH12	50	21-MAR-94	6010	5.5		2	18.2	F
Copper	SNL0093352	LWDS-05-BH13	50	22-MAR-94	6010	9.5		2	18.2	F
Copper	SNL0093344	LWDS-05-BH13	50	22-MAR-94	6010	12.6		2	18.2	F

Table A-4: Metals analyses of soil samples from ER Site 5.

Analyte	Sample Number	Sample Location	Sample Depth (Ft)	Sample Date	Analytical Method	Amount Detected (mg/kg)	Qualifier	Method Detection Limit	NMED Approved Background (mg/kg)	Sample Type
Copper	SNL0093631	LWDS-05-BH14	50	23-MAR-94	6010	9.1		2	18.2	F
Copper	SNL0092305	LWDS-MW1	50	22-AUG-92	6010	3.9		2	18.2	D
Copper	SNL0092296	LWDS-MW1	50	22-AUG-92	6010	3.2		2	18.2	F
Copper	SNL0093533	LWDS-05-BH11	55	20-MAR-94	6010	3.3		2	18.2	F
Copper	SNL0093450	LWDS-05-BH12	55	21-MAR-94	6010	7.8		2	18.2	D
Copper	SNL0093442	LWDS-05-BH12	55	21-MAR-94	6010	3.3		2	18.2	F
Copper	SNL0093360	LWDS-05-BH13	55	22-MAR-94	6010	4.6		4	18.2	F
Copper	SNL0093635	LWDS-05-BH14	55	23-MAR-94	6010	6.4		2	18.2	F
Copper	SNL0093541	LWDS-05-BH11	60	20-MAR-94	6010	5		2	18.2	F
Copper	SNL0093643	LWDS-05-BH14	60	23-MAR-94	6010	9.4		2	18.2	D
Copper	SNL0093639	LWDS-05-BH14	60	23-MAR-94	6010	18.9		2	18.2	F
Copper	SNL0092314	LWDS-MW1	60	22-AUG-92	6010	8.3		2	18.2	F
Copper	SNL0093549	LWDS-05-BH11	65	20-MAR-94	6010	3.6		2	18.2	F
Copper	SNL0092224	LWDS-MW1	68	23-AUG-92	6010	7		2	18.2	F
Copper	SNL0093565	LWDS-05-BH11	70	20-MAR-94	6010	6.3		2	18.2	D
Copper	SNL0093557	LWDS-05-BH11	70	20-MAR-94	6010	7.5		2	18.2	F
Copper	SNL0092233	LWDS-MW1	80	23-AUG-92	6010	4.9		2	18.2	F
Copper	SNL0092251	LWDS-MW1	89	23-AUG-92	6010	5		2	18.2	D
Copper	SNL0092242	LWDS-MW1	89	23-AUG-92	6010	4.9		2	18.2	F
Copper	SNL0092184	LWDS-MW1	102	24-AUG-92	6010	6.7		2	18.2	F
Copper	SNL0092192	LWDS-MW1	110	24-AUG-92	6010	6.6		2	18.2	F
Copper	SNL0092200	LWDS-MW1	110	24-AUG-92	6010	5.9		2	18.2	F
Copper	SNL0092331	LWDS-MW1	120	25-AUG-92	6010	8.7		2	18.2	F
Copper	SNL0092340	LWDS-MW1	130	25-AUG-92	6010	15.4		2	18.2	F
Copper	SNL0092357	LWDS-MW1	143	02-SEP-92	6010	11.4		2	18.2	F
Copper	SNL0092365	LWDS-MW1	150	02-SEP-92	6010	8.5		2	18.2	F
Copper	SNL0092981	LWDS-MW1	176	06-APR-93	6010	8		2	18.2	F
Copper	SNL0092991	LWDS-MW1	202	08-APR-93	6010	9.2		2	18.2	F
Copper	SNL0093005	LWDS-MW1	226	13-APR-93	6010	11.5		2	18.2	F
Copper	SNL0093015	LWDS-MW1	250	14-APR-93	6010	6.6		2	18.2	F
Copper	SNL0093027	LWDS-MW1	274	15-APR-93	6010	8.5		2	18.2	F
Copper	SNL0093047	LWDS-MW1	315	17-APR-93	6010	11.1		2	18.2	F
Copper	SNL0093059	LWDS-MW1	346	19-APR-93	6010	7.5		2	18.2	F
Copper	SNL0093037	LWDS-MW1	346	19-APR-93	6010	7.6		2	18.2	D
Copper	SNL0093071	LWDS-MW1	390	21-APR-93	6010	6.7		2	18.2	F
Copper	SNL0093094	LWDS-MW1	444	27-APR-93	6010	8.7		2	18.2	F
Iron	SNL0093116	LWDS-MW1	0	30-APR-93	6010	8590		10	NA	F
Iron	SNL0093084	LWDS-MW1	0	21-APR-93	6010	11000		10	NA	F
Iron	SNL0092260	LWDS-MW1	12	22-AUG-92	6010	6110		10	NA	F
Iron	SNL0092269	LWDS-MW1	21	22-AUG-92	6010	9670		10	NA	F
Iron	SNL0093468	LWDS-05-BH11	25	20-MAR-94	6010	12200		10	NA	F
Iron	SNL0093378	LWDS-05-BH12	25	21-MAR-94	6010	7910		10	NA	F
Iron	SNL0093288	LWDS-05-BH13	25	22-MAR-94	6010	12500		10	NA	F
Iron	SNL0093674	LWDS-05-BH14	25	23-MAR-94	6010	11500		10	NA	F
Iron	SNL0093476	LWDS-05-BH11	30	20-MAR-94	6010	6690		10	NA	F
Iron	SNL0093386	LWDS-05-BH12	30	21-MAR-94	6010	5580		10	NA	F
Iron	SNL0093296	LWDS-05-BH13	30	22-MAR-94	6010	9230		10	NA	F
Iron	SNL0093678	LWDS-05-BH14	30	23-MAR-94	6010	7400		10	NA	F
Iron	SNL0092278	LWDS-MW1	30	22-AUG-92	6010	8590		10	NA	F
Iron	SNL0093394	LWDS-05-BH12	32.5	21-MAR-94	6010	7240		10	NA	F
Iron	SNL0093304	LWDS-05-BH13	32.5	22-MAR-94	6010	12000		10	NA	F
Iron	SNL0093682	LWDS-05-BH14	32.5	23-MAR-94	6010	7180		10	NA	F
Iron	SNL0093485	LWDS-05-BH11	35	20-MAR-94	6010	9380		10	NA	F
Iron	SNL0093402	LWDS-05-BH12	35	21-MAR-94	6010	7030		10	NA	F
Iron	SNL0093312	LWDS-05-BH13	35	22-MAR-94	6010	10400		10	NA	F
Iron	SNL0093686	LWDS-05-BH14	35	23-MAR-94	6010	2410		50	NA	F
Iron	SNL0093583	LWDS-05-BH11	37.5	20-MAR-94	6010	5740		10	NA	F
Iron	SNL0093410	LWDS-05-BH12	37.5	21-MAR-94	6010	6140		10	NA	F
Iron	SNL0093320	LWDS-05-BH13	37.5	22-MAR-94	6010	8600		10	NA	F
Iron	SNL0093690	LWDS-05-BH14	37.5	23-MAR-94	6010	15600		10	NA	F
Iron	SNL0092287	LWDS-MW1	39	22-AUG-92	6010	8980		10	NA	F
Iron	SNL0093493	LWDS-05-BH11	40	20-MAR-94	6010	10100		10	NA	F
Iron	SNL0093418	LWDS-05-BH12	40	21-MAR-94	6010	8400		10	NA	F
Iron	SNL0093328	LWDS-05-BH13	40	22-MAR-94	6010	8430		10	NA	F
Iron	SNL0093623	LWDS-05-BH14	40	23-MAR-94	6010	9790		10	NA	F
Iron	SNL0093501	LWDS-05-BH11	42.5	20-MAR-94	6010	7940		10	NA	F

Table A-4: Metals analyses of soil samples from ER Site 5.

Analyte	Sample Number	Sample Location	Sample Depth (Ft)	Sample Date	Analytical Method	Amount Detected (mg/kg)	Qualifier	Method Detection Limit	NMED Approved Background (mg/kg)	Sample Type
Iron	SNL0093509	LWDS-05-BH11	45	20-MAR-94	6010	9440		10	NA	F
Iron	SNL0093426	LWDS-05-BH12	45	21-MAR-94	6010	5720		10	NA	F
Iron	SNL0093336	LWDS-05-BH13	45	22-MAR-94	6010	7030		10	NA	F
Iron	SNL0093627	LWDS-05-BH14	45	23-MAR-94	6010	9100		10	NA	F
Iron	SNL0093517	LWDS-05-BH11	47.5	20-MAR-94	6010	9380		10	NA	F
Iron	SNL0093525	LWDS-05-BH11	50	20-MAR-94	6010	8630		10	NA	F
Iron	SNL0093434	LWDS-05-BH12	50	21-MAR-94	6010	6340		10	NA	F
Iron	SNL0093352	LWDS-05-BH13	50	22-MAR-94	6010	9080		10	NA	F
Iron	SNL0093344	LWDS-05-BH13	50	22-MAR-94	6010	10500		10	NA	F
Iron	SNL0093631	LWDS-05-BH14	50	23-MAR-94	6010	7850		10	NA	F
Iron	SNL0092305	LWDS-MW1	50	22-AUG-92	6010	4690		10	NA	D
Iron	SNL0092296	LWDS-MW1	50	22-AUG-92	6010	4280		10	NA	F
Iron	SNL0093533	LWDS-05-BH11	55	20-MAR-94	6010	6530		10	NA	F
Iron	SNL0093442	LWDS-05-BH12	55	21-MAR-94	6010	4730		10	NA	F
Iron	SNL0093450	LWDS-05-BH12	55	21-MAR-94	6010	8800		10	NA	D
Iron	SNL0093360	LWDS-05-BH13	55	22-MAR-94	6010	3830		20	NA	F
Iron	SNL0093635	LWDS-05-BH14	55	23-MAR-94	6010	4980		10	NA	F
Iron	SNL0093541	LWDS-05-BH11	60	20-MAR-94	6010	9060		10	NA	F
Iron	SNL0093643	LWDS-05-BH14	60	23-MAR-94	6010	10700		10	NA	D
Iron	SNL0093639	LWDS-05-BH14	60	23-MAR-94	6010	6490		10	NA	F
Iron	SNL0092314	LWDS-MW1	60	22-AUG-92	6010	9080		10	NA	F
Iron	SNL0093549	LWDS-05-BH11	65	20-MAR-94	6010	5020		10	NA	F
Iron	SNL0092224	LWDS-MW1	68	23-AUG-92	6010	7300		10	NA	F
Iron	SNL0093565	LWDS-05-BH11	70	20-MAR-94	6010	10400		10	NA	D
Iron	SNL0093557	LWDS-05-BH11	70	20-MAR-94	6010	10700		10	NA	F
Iron	SNL0092233	LWDS-MW1	80	23-AUG-92	6010	5740		10	NA	F
Iron	SNL0092251	LWDS-MW1	89	23-AUG-92	6010	6040		10	NA	D
Iron	SNL0092242	LWDS-MW1	89	23-AUG-92	6010	5060		10	NA	F
Iron	SNL0092184	LWDS-MW1	102	24-AUG-92	6010	8120		10	NA	F
Iron	SNL0092200	LWDS-MW1	110	24-AUG-92	6010	7800		10	NA	F
Iron	SNL0092192	LWDS-MW1	110	24-AUG-92	6010	9220		10	NA	F
Iron	SNL0092331	LWDS-MW1	120	25-AUG-92	6010	9010		10	NA	F
Iron	SNL0092340	LWDS-MW1	130	25-AUG-92	6010	16800		10	NA	F
Iron	SNL0092357	LWDS-MW1	143	02-SEP-92	6010	10200		10	NA	F
Iron	SNL0092365	LWDS-MW1	150	02-SEP-92	6010	11800		10	NA	F
Iron	SNL0092981	LWDS-MW1	176	06-APR-93	6010	9000		10	NA	F
Iron	SNL0092991	LWDS-MW1	202	08-APR-93	6010	8200		10	NA	F
Iron	SNL0093005	LWDS-MW1	226	13-APR-93	6010	11000		10	NA	F
Iron	SNL0093015	LWDS-MW1	250	14-APR-93	6010	8760		10	NA	F
Iron	SNL0093027	LWDS-MW1	274	15-APR-93	6010	9640		10	NA	F
Iron	SNL0093047	LWDS-MW1	315	17-APR-93	6010	11600		10	NA	F
Iron	SNL0093059	LWDS-MW1	346	19-APR-93	6010	9900		10	NA	F
Iron	SNL0093037	LWDS-MW1	346	19-APR-93	6010	10000		10	NA	D
Iron	SNL0093071	LWDS-MW1	390	21-APR-93	6010	9340		10	NA	F
Iron	SNL0093094	LWDS-MW1	444	27-APR-93	6010	10500		10	NA	F
Lead	SNL0093119	LWDS-MW1	0	30-APR-93	7421	8.1		1	21.4	F
Lead	SNL0093087	LWDS-MW1	0	21-APR-93	7421	5.4		0.5	21.4	F
Lead	SNL0092262	LWDS-MW1	12	22-AUG-92	7421	3.3		1	11.8	F
Lead	SNL0092271	LWDS-MW1	21	22-AUG-92	7421	2.8		0.5	11.8	F
Lead	SNL0093470	LWDS-05-BH11	25	20-MAR-94	7421	5.7		0.5	11.8	F
Lead	SNL0093380	LWDS-05-BH12	25	21-MAR-94	7421	4		0.5	11.8	F
Lead	SNL0093290	LWDS-05-BH13	25	22-MAR-94	7421	4.2		0.5	11.8	F
Lead	SNL0093674	LWDS-05-BH14	25	23-MAR-94	6010	3.9		0.3	11.8	F
Lead	SNL0093478	LWDS-05-BH11	30	20-MAR-94	7421	3.6		0.5	11.8	F
Lead	SNL0093388	LWDS-05-BH12	30	21-MAR-94	7421	3.7		0.5	11.8	F
Lead	SNL0093298	LWDS-05-BH13	30	22-MAR-94	7421	3.7		0.5	11.8	F
Lead	SNL0093678	LWDS-05-BH14	30	23-MAR-94	6010	3.8		0.3	11.8	F
Lead	SNL0092280	LWDS-MW1	30	22-AUG-92	7421	2.8		0.5	11.8	F
Lead	SNL0093396	LWDS-05-BH12	32.5	21-MAR-94	7421	5.1		1	11.8	F
Lead	SNL0093306	LWDS-05-BH13	32.5	22-MAR-94	7421	4.5		0.5	11.8	F
Lead	SNL0093682	LWDS-05-BH14	32.5	23-MAR-94	6010	4		0.3	11.8	F
Lead	SNL0093487	LWDS-05-BH11	35	20-MAR-94	7421	5.1		0.5	11.8	F
Lead	SNL0093404	LWDS-05-BH12	35	21-MAR-94	7421	4.9		0.5	11.8	F
Lead	SNL0093314	LWDS-05-BH13	35	22-MAR-94	7421	3.3		0.5	11.8	F
Lead	SNL0093686	LWDS-05-BH14	35	23-MAR-94	6010	1.5	U	1.5	11.8	F
Lead	SNL0093585	LWDS-05-BH11	37.5	20-MAR-94	7421	2.9		0.5	11.8	F

Table A-4: Metals analyses of soil samples from ER Site 5.

Analyte	Sample Number	Sample Location	Sample Depth (Ft)	Sample Date	Analytical Method	Amount Detected (mg/kg)	Qualifier	Method Detection Limit	NMED Approved Background (mg/kg)	Sample Type
Lead	SNL0093412	LWDS-05-BH12	37.5	21-MAR-94	7421	14		1	11.8	F
Lead	SNL0093322	LWDS-05-BH13	37.5	22-MAR-94	7421	3.1		0.5	11.8	F
Lead	SNL0093690	LWDS-05-BH14	37.5	23-MAR-94	6010	3.6		0.3	11.8	F
Lead	SNL0092289	LWDS-MW1	39	22-AUG-92	7421	3.1		1	11.8	F
Lead	SNL0093495	LWDS-05-BH11	40	20-MAR-94	7421	6.1		0.5	11.8	F
Lead	SNL0093420	LWDS-05-BH12	40	21-MAR-94	7421	10		1	11.8	F
Lead	SNL0093330	LWDS-05-BH13	40	22-MAR-94	7421	3.5		0.5	11.8	F
Lead	SNL0093623	LWDS-05-BH14	40	23-MAR-94	6010	4.1		0.3	11.8	F
Lead	SNL0093503	LWDS-05-BH11	42.5	20-MAR-94	7421	2.3		0.5	11.8	F
Lead	SNL0093511	LWDS-05-BH11	45	20-MAR-94	7421	3.6		0.5	11.8	F
Lead	SNL0093428	LWDS-05-BH12	45	21-MAR-94	7421	3.7		0.5	11.8	F
Lead	SNL0093338	LWDS-05-BH13	45	22-MAR-94	7421	3.7		0.5	11.8	F
Lead	SNL0093627	LWDS-05-BH14	45	23-MAR-94	6010	4.2	B	0.3	11.8	F
Lead	SNL0093519	LWDS-05-BH11	47.5	20-MAR-94	7421	4		0.5	11.8	F
Lead	SNL0093527	LWDS-05-BH11	50	20-MAR-94	7421	3		1	11.8	F
Lead	SNL0093436	LWDS-05-BH12	50	21-MAR-94	7421	2.3		0.5	11.8	F
Lead	SNL0093354	LWDS-05-BH13	50	22-MAR-94	7421	2.9		0.5	11.8	F
Lead	SNL0093346	LWDS-05-BH13	50	22-MAR-94	7421	3.8		0.5	11.8	F
Lead	SNL0093631	LWDS-05-BH14	50	23-MAR-94	6010	3.5	B	0.3	11.8	F
Lead	SNL0092307	LWDS-MW1	50	22-AUG-92	7421	2.5		0.5	11.8	D
Lead	SNL0092298	LWDS-MW1	50	22-AUG-92	7421	2.5		0.5	11.8	F
Lead	SNL0093535	LWDS-05-BH11	55	20-MAR-94	7421	2.7		0.5	11.8	F
Lead	SNL0093444	LWDS-05-BH12	55	21-MAR-94	7421	2.4		0.5	11.8	F
Lead	SNL0093452	LWDS-05-BH12	55	21-MAR-94	7421	3.2		0.5	11.8	D
Lead	SNL0093362	LWDS-05-BH13	55	22-MAR-94	7421	4.6		0.5	11.8	F
Lead	SNL0093635	LWDS-05-BH14	55	23-MAR-94	6010	2.5	B	0.3	11.8	F
Lead	SNL0093543	LWDS-05-BH11	60	20-MAR-94	7421	3		0.5	11.8	F
Lead	SNL0093643	LWDS-05-BH14	60	23-MAR-94	6010	5.8	B	0.3	11.8	D
Lead	SNL0093639	LWDS-05-BH14	60	23-MAR-94	6010	3	B	0.3	11.8	F
Lead	SNL0092316	LWDS-MW1	60	22-AUG-92	7421	2.4		0.5	11.8	F
Lead	SNL0093551	LWDS-05-BH11	65	20-MAR-94	7421	2.9		0.5	11.8	F
Lead	SNL0092226	LWDS-MW1	68	23-AUG-92	7421	2.9		0.5	11.8	F
Lead	SNL0093567	LWDS-05-BH11	70	20-MAR-94	7421	5.2		0.5	11.8	D
Lead	SNL0093559	LWDS-05-BH11	70	20-MAR-94	7421	4.8		0.5	11.8	F
Lead	SNL0092235	LWDS-MW1	80	23-AUG-92	7421	5.6		1	11.8	F
Lead	SNL0092253	LWDS-MW1	89	23-AUG-92	7421	3		0.5	11.8	D
Lead	SNL0092244	LWDS-MW1	89	23-AUG-92	7421	2.8		0.5	11.8	F
Lead	SNL0092186	LWDS-MW1	102	24-AUG-92	7421	2.6		0.5	11.8	F
Lead	SNL0092202	LWDS-MW1	110	24-AUG-92	7421	4.2		0.5	11.8	F
Lead	SNL0092194	LWDS-MW1	110	24-AUG-92	7421	4.4		0.5	11.8	F
Lead	SNL0092333	LWDS-MW1	120	25-AUG-92	7421	3.1		0.5	11.8	F
Lead	SNL0092342	LWDS-MW1	130	25-AUG-92	7421	10		1	11.8	F
Lead	SNL0092357	LWDS-MW1	143	02-SEP-92	6010	5.1		5	11.8	F
Lead	SNL0092365	LWDS-MW1	150	02-SEP-92	6010	5.6		5	11.8	F
Lead	SNL0092984	LWDS-MW1	176	06-APR-93	7421	4.6		0.5	11.8	F
Lead	SNL0092994	LWDS-MW1	202	08-APR-93	7421	4.9		0.5	11.8	F
Lead	SNL0093008	LWDS-MW1	226	13-APR-93	7421	7.6		1	11.8	F
Lead	SNL0093018	LWDS-MW1	250	14-APR-93	7421	5.9		0.5	11.8	F
Lead	SNL0093030	LWDS-MW1	274	15-APR-93	7421	4.6		0.5	11.8	F
Lead	SNL0093050	LWDS-MW1	315	17-APR-93	7421	4.3		0.5	11.8	F
Lead	SNL0093040	LWDS-MW1	346	19-APR-93	7421	3.9		0.5	11.8	D
Lead	SNL0093062	LWDS-MW1	346	19-APR-93	7421	4.3		0.5	11.8	F
Lead	SNL0093074	LWDS-MW1	390	21-APR-93	7421	4.3		0.5	11.8	F
Lead	SNL0093097	LWDS-MW1	444	27-APR-93	7421	6		2.5	11.8	F
Magnesium	SNL0093116	LWDS-MW1	0	30-APR-93	6010	3650		20	NA	F
Magnesium	SNL0093084	LWDS-MW1	0	21-APR-93	6010	3620		20	NA	F
Magnesium	SNL0092260	LWDS-MW1	12	22-AUG-92	6010	2800		20	NA	F
Magnesium	SNL0092269	LWDS-MW1	21	22-AUG-92	6010	3530		20	NA	F
Magnesium	SNL0093468	LWDS-05-BH11	25	20-MAR-94	6010	4550		20	NA	F
Magnesium	SNL0093378	LWDS-05-BH12	25	21-MAR-94	6010	3040		20	NA	F
Magnesium	SNL0093288	LWDS-05-BH13	25	22-MAR-94	6010	3580		20	NA	F
Magnesium	SNL0093674	LWDS-05-BH14	25	23-MAR-94	6010	2940		20	NA	F
Magnesium	SNL0093476	LWDS-05-BH11	30	20-MAR-94	6010	2520		20	NA	F
Magnesium	SNL0093386	LWDS-05-BH12	30	21-MAR-94	6010	2350		20	NA	F
Magnesium	SNL0093296	LWDS-05-BH13	30	22-MAR-94	6010	2810		20	NA	F
Magnesium	SNL0093678	LWDS-05-BH14	30	23-MAR-94	6010	2180		20	NA	F

Table A-4: Metals analyses of soil samples from ER Site 5.

Analyte	Sample Number	Sample Location	Sample Depth (Ft)	Sample Date	Analytical Method	Amount Detected (mg/kg)	Qualifier	Method Detection Limit	NMED Approved Background (mg/kg)	Sample Type
Magnesium	SNL0092278	LWDS-MW1	30	22-AUG-92	6010	3180		20	NA	F
Magnesium	SNL0093394	LWDS-05-BH12	32.5	21-MAR-94	6010	3050		20	NA	F
Magnesium	SNL0093304	LWDS-05-BH13	32.5	22-MAR-94	6010	3300		20	NA	F
Magnesium	SNL0093682	LWDS-05-BH14	32.5	23-MAR-94	6010	2900		20	NA	F
Magnesium	SNL0093485	LWDS-05-BH11	35	20-MAR-94	6010	3650		20	NA	F
Magnesium	SNL0093402	LWDS-05-BH12	35	21-MAR-94	6010	2570		20	NA	F
Magnesium	SNL0093312	LWDS-05-BH13	35	22-MAR-94	6010	2770		20	NA	F
Magnesium	SNL0093686	LWDS-05-BH14	35	23-MAR-94	6010	3090		100	NA	F
Magnesium	SNL0093583	LWDS-05-BH11	37.5	20-MAR-94	6010	1910		20	NA	F
Magnesium	SNL0093410	LWDS-05-BH12	37.5	21-MAR-94	6010	2710		20	NA	F
Magnesium	SNL0093320	LWDS-05-BH13	37.5	22-MAR-94	6010	2990		20	NA	F
Magnesium	SNL0093690	LWDS-05-BH14	37.5	23-MAR-94	6010	2840		20	NA	F
Magnesium	SNL0092287	LWDS-MW1	39	22-AUG-92	6010	2970		20	NA	F
Magnesium	SNL0093493	LWDS-05-BH11	40	20-MAR-94	6010	2810		20	NA	F
Magnesium	SNL0093418	LWDS-05-BH12	40	21-MAR-94	6010	2260		20	NA	F
Magnesium	SNL0093328	LWDS-05-BH13	40	22-MAR-94	6010	2270		20	NA	F
Magnesium	SNL0093623	LWDS-05-BH14	40	23-MAR-94	6010	3500		20	NA	F
Magnesium	SNL0093501	LWDS-05-BH11	42.5	20-MAR-94	6010	2240		20	NA	F
Magnesium	SNL0093509	LWDS-05-BH11	45	20-MAR-94	6010	2650		20	NA	F
Magnesium	SNL0093426	LWDS-05-BH12	45	21-MAR-94	6010	1750		20	NA	F
Magnesium	SNL0093336	LWDS-05-BH13	45	22-MAR-94	6010	2030		20	NA	F
Magnesium	SNL0093627	LWDS-05-BH14	45	23-MAR-94	6010	2600		20	NA	F
Magnesium	SNL0093517	LWDS-05-BH11	47.5	20-MAR-94	6010	3200		20	NA	F
Magnesium	SNL0093525	LWDS-05-BH11	50	20-MAR-94	6010	2410		20	NA	F
Magnesium	SNL0093434	LWDS-05-BH12	50	21-MAR-94	6010	2710		20	NA	F
Magnesium	SNL0093352	LWDS-05-BH13	50	22-MAR-94	6010	2890		20	NA	F
Magnesium	SNL0093344	LWDS-05-BH13	50	22-MAR-94	6010	3600		20	NA	F
Magnesium	SNL0093631	LWDS-05-BH14	50	23-MAR-94	6010	2670		20	NA	F
Magnesium	SNL0092296	LWDS-MW1	50	22-AUG-92	6010	1570		20	NA	F
Magnesium	SNL0092305	LWDS-MW1	50	22-AUG-92	6010	1670		20	NA	D
Magnesium	SNL0093533	LWDS-05-BH11	55	20-MAR-94	6010	1560		20	NA	F
Magnesium	SNL0093450	LWDS-05-BH12	55	21-MAR-94	6010	2230		20	NA	D
Magnesium	SNL0093442	LWDS-05-BH12	55	21-MAR-94	6010	1580		20	NA	F
Magnesium	SNL0093360	LWDS-05-BH13	55	22-MAR-94	6010	1880		40	NA	F
Magnesium	SNL0093635	LWDS-05-BH14	55	23-MAR-94	6010	1980		20	NA	F
Magnesium	SNL0093541	LWDS-05-BH11	60	20-MAR-94	6010	2640		20	NA	F
Magnesium	SNL0093643	LWDS-05-BH14	60	23-MAR-94	6010	3490		20	NA	D
Magnesium	SNL0093639	LWDS-05-BH14	60	23-MAR-94	6010	2840		20	NA	F
Magnesium	SNL0092314	LWDS-MW1	60	22-AUG-92	6010	2540		20	NA	F
Magnesium	SNL0093549	LWDS-05-BH11	65	20-MAR-94	6010	1650		20	NA	F
Magnesium	SNL0092224	LWDS-MW1	68	23-AUG-92	6010	2800		20	NA	F
Magnesium	SNL0093565	LWDS-05-BH11	70	20-MAR-94	6010	2820		20	NA	D
Magnesium	SNL0093557	LWDS-05-BH11	70	20-MAR-94	6010	3350		20	NA	F
Magnesium	SNL0092233	LWDS-MW1	80	23-AUG-92	6010	2060		20	NA	F
Magnesium	SNL0092251	LWDS-MW1	89	23-AUG-92	6010	2410		20	NA	D
Magnesium	SNL0092242	LWDS-MW1	89	23-AUG-92	6010	2100		20	NA	F
Magnesium	SNL0092184	LWDS-MW1	102	24-AUG-92	6010	2830		20	NA	F
Magnesium	SNL0092200	LWDS-MW1	110	24-AUG-92	6010	2830		20	NA	F
Magnesium	SNL0092192	LWDS-MW1	110	24-AUG-92	6010	3290		20	NA	F
Magnesium	SNL0092331	LWDS-MW1	120	25-AUG-92	6010	2620		20	NA	F
Magnesium	SNL0092340	LWDS-MW1	130	25-AUG-92	6010	7080		20	NA	F
Magnesium	SNL0092357	LWDS-MW1	143	02-SEP-92	6010	2710		20	NA	F
Magnesium	SNL0092365	LWDS-MW1	150	02-SEP-92	6010	3140		20	NA	F
Magnesium	SNL0092981	LWDS-MW1	176	06-APR-93	6010	3080		20	NA	F
Magnesium	SNL0092991	LWDS-MW1	202	08-APR-93	6010	2910		20	NA	F
Magnesium	SNL0093005	LWDS-MW1	226	13-APR-93	6010	4240		20	NA	F
Magnesium	SNL0093015	LWDS-MW1	250	14-APR-93	6010	2720		20	NA	F
Magnesium	SNL0093027	LWDS-MW1	274	15-APR-93	6010	2910		20	NA	F
Magnesium	SNL0093047	LWDS-MW1	315	17-APR-93	6010	3370		20	NA	F
Magnesium	SNL0093059	LWDS-MW1	346	19-APR-93	6010	3190		20	NA	F
Magnesium	SNL0093037	LWDS-MW1	346	19-APR-93	6010	2950		20	NA	D
Magnesium	SNL0093071	LWDS-MW1	390	21-APR-93	6010	2950		20	NA	F
Magnesium	SNL0093094	LWDS-MW1	444	27-APR-93	6010	3390		20	NA	F
Manganese	SNL0093116	LWDS-MW1	0	30-APR-93	6010	183		1	NA	F
Manganese	SNL0093084	LWDS-MW1	0	21-APR-93	6010	248		1	NA	F
Manganese	SNL0092260	LWDS-MW1	12	22-AUG-92	6010	141		1	NA	F

Table A-4: Metals analyses of soil samples from ER Site 5.

Analyte	Sample Number	Sample Location	Sample Depth (Ft)	Sample Date	Analytical Method	Amount Detected (mg/kg)	Qualifier	Method Detection Limit	NMED Approved Background (mg/kg)	Sample Type
Manganese	SNL0092269	LWDS-MW1	21	22-AUG-92	6010	190		1	NA	F
Manganese	SNL0093468	LWDS-05-BH11	25	20-MAR-94	6010	244		1	NA	F
Manganese	SNL0093378	LWDS-05-BH12	25	21-MAR-94	6010	164		1	NA	F
Manganese	SNL0093288	LWDS-05-BH13	25	22-MAR-94	6010	219		1	NA	F
Manganese	SNL0093674	LWDS-05-BH14	25	23-MAR-94	6010	179		1	NA	F
Manganese	SNL0093476	LWDS-05-BH11	30	20-MAR-94	6010	165		1	NA	F
Manganese	SNL0093386	LWDS-05-BH12	30	21-MAR-94	6010	124		1	NA	F
Manganese	SNL0093296	LWDS-05-BH13	30	22-MAR-94	6010	168		1	NA	F
Manganese	SNL0093678	LWDS-05-BH14	30	23-MAR-94	6010	115		1	NA	F
Manganese	SNL0092278	LWDS-MW1	30	22-AUG-92	6010	190		1	NA	F
Manganese	SNL0093394	LWDS-05-BH12	32.5	21-MAR-94	6010	156		1	NA	F
Manganese	SNL0093304	LWDS-05-BH13	32.5	22-MAR-94	6010	199		1	NA	F
Manganese	SNL0093682	LWDS-05-BH14	32.5	23-MAR-94	6010	118		1	NA	F
Manganese	SNL0093485	LWDS-05-BH11	35	20-MAR-94	6010	160		1	NA	F
Manganese	SNL0093402	LWDS-05-BH12	35	21-MAR-94	6010	145		1	NA	F
Manganese	SNL0093312	LWDS-05-BH13	35	22-MAR-94	6010	198		1	NA	F
Manganese	SNL0093686	LWDS-05-BH14	35	23-MAR-94	6010	182		5	NA	F
Manganese	SNL0093583	LWDS-05-BH11	37.5	20-MAR-94	6010	157		1	NA	F
Manganese	SNL0093410	LWDS-05-BH12	37.5	21-MAR-94	6010	175		1	NA	F
Manganese	SNL0093320	LWDS-05-BH13	37.5	22-MAR-94	6010	153		1	NA	F
Manganese	SNL0093690	LWDS-05-BH14	37.5	23-MAR-94	6010	278		1	NA	F
Manganese	SNL0092287	LWDS-MW1	39	22-AUG-92	6010	205		1	NA	F
Manganese	SNL0093493	LWDS-05-BH11	40	20-MAR-94	6010	186		1	NA	F
Manganese	SNL0093418	LWDS-05-BH12	40	21-MAR-94	6010	136		1	NA	F
Manganese	SNL0093328	LWDS-05-BH13	40	22-MAR-94	6010	157		1	NA	F
Manganese	SNL0093623	LWDS-05-BH14	40	23-MAR-94	6010	232		1	NA	F
Manganese	SNL0093501	LWDS-05-BH11	42.5	20-MAR-94	6010	137		1	NA	F
Manganese	SNL0093509	LWDS-05-BH11	45	20-MAR-94	6010	150		1	NA	F
Manganese	SNL0093426	LWDS-05-BH12	45	21-MAR-94	6010	94.2		1	NA	F
Manganese	SNL0093336	LWDS-05-BH13	45	22-MAR-94	6010	165		1	NA	F
Manganese	SNL0093627	LWDS-05-BH14	45	23-MAR-94	6010	147		1	NA	F
Manganese	SNL0093517	LWDS-05-BH11	47.5	20-MAR-94	6010	180		1	NA	F
Manganese	SNL0093525	LWDS-05-BH11	50	20-MAR-94	6010	122		1	NA	F
Manganese	SNL0093434	LWDS-05-BH12	50	21-MAR-94	6010	136		1	NA	F
Manganese	SNL0093344	LWDS-05-BH13	50	22-MAR-94	6010	188		1	NA	F
Manganese	SNL0093352	LWDS-05-BH13	50	22-MAR-94	6010	190		1	NA	F
Manganese	SNL0093631	LWDS-05-BH14	50	23-MAR-94	6010	143		1	NA	F
Manganese	SNL0092305	LWDS-MW1	50	22-AUG-92	6010	81.5		1	NA	D
Manganese	SNL0092296	LWDS-MW1	50	22-AUG-92	6010	74.9		1	NA	F
Manganese	SNL0093533	LWDS-05-BH11	55	20-MAR-94	6010	83		1	NA	F
Manganese	SNL0093442	LWDS-05-BH12	55	21-MAR-94	6010	75.9		1	NA	F
Manganese	SNL0093450	LWDS-05-BH12	55	21-MAR-94	6010	185		1	NA	D
Manganese	SNL0093360	LWDS-05-BH13	55	22-MAR-94	6010	126		2	NA	F
Manganese	SNL0093635	LWDS-05-BH14	55	23-MAR-94	6010	176		1	NA	F
Manganese	SNL0093541	LWDS-05-BH11	60	20-MAR-94	6010	138		1	NA	F
Manganese	SNL0093643	LWDS-05-BH14	60	23-MAR-94	6010	210		1	NA	D
Manganese	SNL0093639	LWDS-05-BH14	60	23-MAR-94	6010	148		1	NA	F
Manganese	SNL0092314	LWDS-MW1	60	22-AUG-92	6010	167		1	NA	F
Manganese	SNL0093549	LWDS-05-BH11	65	20-MAR-94	6010	109		1	NA	F
Manganese	SNL0092224	LWDS-MW1	68	23-AUG-92	6010	158		1	NA	F
Manganese	SNL0093565	LWDS-05-BH11	70	20-MAR-94	6010	204		1	NA	D
Manganese	SNL0093557	LWDS-05-BH11	70	20-MAR-94	6010	165		1	NA	F
Manganese	SNL0092233	LWDS-MW1	80	23-AUG-92	6010	108		1	NA	F
Manganese	SNL0092251	LWDS-MW1	89	23-AUG-92	6010	105		1	NA	D
Manganese	SNL0092242	LWDS-MW1	89	23-AUG-92	6010	93.3		1	NA	F
Manganese	SNL0092184	LWDS-MW1	102	24-AUG-92	6010	177		1	NA	F
Manganese	SNL0092200	LWDS-MW1	110	24-AUG-92	6010	195		1	NA	F
Manganese	SNL0092192	LWDS-MW1	110	24-AUG-92	6010	191		1	NA	F
Manganese	SNL0092331	LWDS-MW1	120	25-AUG-92	6010	165		1	NA	F
Manganese	SNL0092340	LWDS-MW1	130	25-AUG-92	6010	383		1	NA	F
Manganese	SNL0092357	LWDS-MW1	143	02-SEP-92	6010	187		1	NA	F
Manganese	SNL0092365	LWDS-MW1	150	02-SEP-92	6010	182		1	NA	F
Manganese	SNL0092981	LWDS-MW1	176	06-APR-93	6010	259		1	NA	F
Manganese	SNL0092991	LWDS-MW1	202	08-APR-93	6010	247		1	NA	F
Manganese	SNL0093005	LWDS-MW1	226	13-APR-93	6010	232		1	NA	F
Manganese	SNL0093015	LWDS-MW1	250	14-APR-93	6010	185		1	NA	F

Table A-4: Metals analyses of soil samples from ER Site 5.

Analyte	Sample Number	Sample Location	Sample Depth (Ft)	Sample Date	Analytical Method	Amount Detected (mg/kg)	Qualifier	Method Detection Limit	NMED Approved Background (mg/kg)	Sample Type
Manganese	SNL0093027	LWDS-MW1	274	15-APR-93	6010	208		1	NA	F
Manganese	SNL0093047	LWDS-MW1	315	17-APR-93	6010	247		1	NA	F
Manganese	SNL0093059	LWDS-MW1	346	19-APR-93	6010	256		1	NA	F
Manganese	SNL0093037	LWDS-MW1	346	19-APR-93	6010	217		1	NA	D
Manganese	SNL0093071	LWDS-MW1	390	21-APR-93	6010	211		1	NA	F
Manganese	SNL0093094	LWDS-MW1	444	27-APR-93	6010	240		1	NA	F
Mercury	SNL0093120	LWDS-MW1	0	30-APR-93	7471	0.1	U	0.1	<0.25	F
Mercury	SNL0093088	LWDS-MW1	0	21-APR-93	7471	0.1	U	0.1	<0.25	F
Mercury	SNL0092263	LWDS-MW1	12	22-AUG-92	7471	0.1	U	0.1	<0.1	F
Mercury	SNL0092272	LWDS-MW1	21	22-AUG-92	7471	0.1	U	0.1	<0.1	F
Mercury	SNL0093471	LWDS-05-BH11	25	20-MAR-94	7471	0.1	U	0.1	<0.1	F
Mercury	SNL0093381	LWDS-05-BH12	25	21-MAR-94	7471	0.1	U	0.1	<0.1	F
Mercury	SNL0093291	LWDS-05-BH13	25	22-MAR-94	7471	0.1	U	0.1	<0.1	F
Mercury	SNL0093675	LWDS-05-BH14	25	23-MAR-94	7471	0.1	U	0.1	<0.1	F
Mercury	SNL0093479	LWDS-05-BH11	30	20-MAR-94	7471	0.1	U	0.1	<0.1	F
Mercury	SNL0093389	LWDS-05-BH12	30	21-MAR-94	7471	0.1	U	0.1	<0.1	F
Mercury	SNL0093299	LWDS-05-BH13	30	22-MAR-94	7471	0.1	U	0.1	<0.1	F
Mercury	SNL0093679	LWDS-05-BH14	30	23-MAR-94	7471	0.28		0.1	<0.1	F
Mercury	SNL0092281	LWDS-MW1	30	22-AUG-92	7471	0.1	U	0.1	<0.1	F
Mercury	SNL0093397	LWDS-05-BH12	32.5	21-MAR-94	7471	0.1	U	0.1	<0.1	F
Mercury	SNL0093307	LWDS-05-BH13	32.5	22-MAR-94	7471	0.1	U	0.1	<0.1	F
Mercury	SNL0093683	LWDS-05-BH14	32.5	23-MAR-94	7471	0.1	U	0.1	<0.1	F
Mercury	SNL0093488	LWDS-05-BH11	35	20-MAR-94	7471	0.1	U	0.1	<0.1	F
Mercury	SNL0093405	LWDS-05-BH12	35	21-MAR-94	7471	0.097	J	0.1	<0.1	F
Mercury	SNL0093315	LWDS-05-BH13	35	22-MAR-94	7471	0.1	U	0.1	<0.1	F
Mercury	SNL0093687	LWDS-05-BH14	35	23-MAR-94	7471	0.1	U	0.1	<0.1	F
Mercury	SNL0093586	LWDS-05-BH11	37.5	20-MAR-94	7471	0.1	U	0.1	<0.1	F
Mercury	SNL0093413	LWDS-05-BH12	37.5	21-MAR-94	7471	0.85		0.1	<0.1	F
Mercury	SNL0093323	LWDS-05-BH13	37.5	22-MAR-94	7471	0.1	U	0.1	<0.1	F
Mercury	SNL0093691	LWDS-05-BH14	37.5	23-MAR-94	7471	0.1	U	0.1	<0.1	F
Mercury	SNL0092290	LWDS-MW1	39	22-AUG-92	7471	0.1	U	0.1	<0.1	F
Mercury	SNL0093496	LWDS-05-BH11	40	20-MAR-94	7471	0.1	U	0.1	<0.1	F
Mercury	SNL0093421	LWDS-05-BH12	40	21-MAR-94	7471	0.21		0.1	<0.1	F
Mercury	SNL0093331	LWDS-05-BH13	40	22-MAR-94	7471	0.1	U	0.1	<0.1	F
Mercury	SNL0093624	LWDS-05-BH14	40	23-MAR-94	7471	0.1	U	0.1	<0.1	F
Mercury	SNL0093504	LWDS-05-BH11	42.5	20-MAR-94	7471	0.1	U	0.1	<0.1	F
Mercury	SNL0093512	LWDS-05-BH11	45	20-MAR-94	7471	0.1	U	0.1	<0.1	F
Mercury	SNL0093429	LWDS-05-BH12	45	21-MAR-94	7471	0.074	J	0.1	<0.1	F
Mercury	SNL0093339	LWDS-05-BH13	45	22-MAR-94	7471	0.1	U	0.1	<0.1	F
Mercury	SNL0093628	LWDS-05-BH14	45	23-MAR-94	7471	0.1	U	0.1	<0.1	F
Mercury	SNL0093520	LWDS-05-BH11	47.5	20-MAR-94	7471	0.1	U	0.1	<0.1	F
Mercury	SNL0093528	LWDS-05-BH11	50	20-MAR-94	7471	0.1	U	0.1	<0.1	F
Mercury	SNL0093437	LWDS-05-BH12	50	21-MAR-94	7471	0.1	U	0.1	<0.1	F
Mercury	SNL0093355	LWDS-05-BH13	50	22-MAR-94	7471	0.1	U	0.1	<0.1	F
Mercury	SNL0093347	LWDS-05-BH13	50	22-MAR-94	7471	0.1	U	0.1	<0.1	F
Mercury	SNL0093632	LWDS-05-BH14	50	23-MAR-94	7471	0.1	U	0.1	<0.1	F
Mercury	SNL0092308	LWDS-MW1	50	22-AUG-92	7471	0.1	U	0.1	<0.1	D
Mercury	SNL0092299	LWDS-MW1	50	22-AUG-92	7471	0.1	U	0.1	<0.1	F
Mercury	SNL0093536	LWDS-05-BH11	55	20-MAR-94	7471	0.1	U	0.1	<0.1	F
Mercury	SNL0093453	LWDS-05-BH12	55	21-MAR-94	7471	0.1	U	0.1	<0.1	D
Mercury	SNL0093445	LWDS-05-BH12	55	21-MAR-94	7471	0.1	U	0.1	<0.1	F
Mercury	SNL0093363	LWDS-05-BH13	55	22-MAR-94	7471	0.1	U	0.1	<0.1	F
Mercury	SNL0093636	LWDS-05-BH14	55	23-MAR-94	7471	0.1	U	0.1	<0.1	F
Mercury	SNL0093544	LWDS-05-BH11	60	20-MAR-94	7471	0.1	U	0.1	<0.1	F
Mercury	SNL0093644	LWDS-05-BH14	60	23-MAR-94	7471	0.1	U	0.1	<0.1	D
Mercury	SNL0093640	LWDS-05-BH14	60	23-MAR-94	7471	0.1	U	0.1	<0.1	F
Mercury	SNL0092317	LWDS-MW1	60	22-AUG-92	7471	0.1	U	0.1	<0.1	F
Mercury	SNL0093552	LWDS-05-BH11	65	20-MAR-94	7471	0.1	U	0.1	<0.1	F
Mercury	SNL0092227	LWDS-MW1	68	23-AUG-92	7471	0.1	U	0.1	<0.1	F
Mercury	SNL0093568	LWDS-05-BH11	70	20-MAR-94	7471	0.1	U	0.1	<0.1	D
Mercury	SNL0093560	LWDS-05-BH11	70	20-MAR-94	7471	0.1	U	0.1	<0.1	F
Mercury	SNL0092236	LWDS-MW1	80	23-AUG-92	7471	0.1	U	0.1	<0.1	F
Mercury	SNL0092254	LWDS-MW1	89	23-AUG-92	7471	0.1	U	0.1	<0.1	D
Mercury	SNL0092245	LWDS-MW1	89	23-AUG-92	7471	0.1	U	0.1	<0.1	F
Mercury	SNL0092187	LWDS-MW1	102	24-AUG-92	7471	0.1	U	0.1	<0.1	F
Mercury	SNL0092203	LWDS-MW1	110	24-AUG-92	7471	0.1	U	0.1	<0.1	F

Table A-4: Metals analyses of soil samples from ER Site 5.

Analyte	Sample Number	Sample Location	Sample Depth (Ft)	Sample Date	Analytical Method	Amount Detected (mg/kg)	Qualifier	Method Detection Limit	NMED Approved Background (mg/kg)	Sample Type
Mercury	SNL0092195	LWDS-MW1	110	24-AUG-92	7471	0.1	U	0.1	<0.1	F
Mercury	SNL0092334	LWDS-MW1	120	25-AUG-92	7471	0.1	U	0.1	<0.1	F
Mercury	SNL0092343	LWDS-MW1	130	25-AUG-92	7471	0.1	U	0.1	<0.1	F
Mercury	SNL0092359	LWDS-MW1	143	02-SEP-92	7471	0.1	U	0.1	<0.1	F
Mercury	SNL0092367	LWDS-MW1	150	02-SEP-92	7471	0.1	U	0.1	<0.1	F
Mercury	SNL0092985	LWDS-MW1	176	06-APR-93	7471	0.1	U	0.1	<0.1	F
Mercury	SNL0092995	LWDS-MW1	202	08-APR-93	7471	0.1	U	0.1	<0.1	F
Mercury	SNL0093009	LWDS-MW1	226	13-APR-93	7471	0.1	U	0.1	<0.1	F
Mercury	SNL0093019	LWDS-MW1	250	14-APR-93	7471	0.1	U	0.1	<0.1	F
Mercury	SNL0093031	LWDS-MW1	274	15-APR-93	7471	0.1	U	0.1	<0.1	F
Mercury	SNL0093051	LWDS-MW1	315	17-APR-93	7471	0.1	U	0.1	<0.1	F
Mercury	SNL0093063	LWDS-MW1	346	19-APR-93	7471	0.1	U	0.1	<0.1	F
Mercury	SNL0093041	LWDS-MW1	346	19-APR-93	7471	0.1	U	0.1	<0.1	D
Mercury	SNL0093075	LWDS-MW1	390	21-APR-93	7471	0.1	U	0.1	<0.1	F
Mercury	SNL0093098	LWDS-MW1	444	27-APR-93	7471	0.1	U	0.1	<0.1	F
Nickel	SNL0093116	LWDS-MW1	0	30-APR-93	6010	8		4	11.5	F
Nickel	SNL0093084	LWDS-MW1	0	21-APR-93	6010	8.9		4	11.5	F
Nickel	SNL0092260	LWDS-MW1	12	22-AUG-92	6010	4.5		4	11.5	F
Nickel	SNL0092269	LWDS-MW1	21	22-AUG-92	6010	7.6		4	11.5	F
Nickel	SNL0093468	LWDS-05-BH11	25	20-MAR-94	6010	9		4	11.5	F
Nickel	SNL0093378	LWDS-05-BH12	25	21-MAR-94	6010	5.7		4	11.5	F
Nickel	SNL0093288	LWDS-05-BH13	25	22-MAR-94	6010	7.8		4	11.5	F
Nickel	SNL0093674	LWDS-05-BH14	25	23-MAR-94	6010	6.7		4	11.5	F
Nickel	SNL0093476	LWDS-05-BH11	30	20-MAR-94	6010	4.9		4	11.5	F
Nickel	SNL0093386	LWDS-05-BH12	30	21-MAR-94	6010	4.4		4	11.5	F
Nickel	SNL0093296	LWDS-05-BH13	30	22-MAR-94	6010	7.9		4	11.5	F
Nickel	SNL0093678	LWDS-05-BH14	30	23-MAR-94	6010	3.7	J	4	11.5	F
Nickel	SNL0092278	LWDS-MW1	30	22-AUG-92	6010	6.3		4	11.5	F
Nickel	SNL0093394	LWDS-05-BH12	32.5	21-MAR-94	6010	6		4	11.5	F
Nickel	SNL0093304	LWDS-05-BH13	32.5	22-MAR-94	6010	7.8		4	11.5	F
Nickel	SNL0093682	LWDS-05-BH14	32.5	23-MAR-94	6010	5.1		4	11.5	F
Nickel	SNL0093485	LWDS-05-BH11	35	20-MAR-94	6010	7.8		4	11.5	F
Nickel	SNL0093402	LWDS-05-BH12	35	21-MAR-94	6010	5.7		4	11.5	F
Nickel	SNL0093312	LWDS-05-BH13	35	22-MAR-94	6010	7.8		4	11.5	F
Nickel	SNL0093686	LWDS-05-BH14	35	23-MAR-94	6010	6.5	J	20	11.5	F
Nickel	SNL0093583	LWDS-05-BH11	37.5	20-MAR-94	6010	5.8		4	11.5	F
Nickel	SNL0093410	LWDS-05-BH12	37.5	21-MAR-94	6010	7.1		4	11.5	F
Nickel	SNL0093320	LWDS-05-BH13	37.5	22-MAR-94	6010	7.7		4	11.5	F
Nickel	SNL0093690	LWDS-05-BH14	37.5	23-MAR-94	6010	9		4	11.5	F
Nickel	SNL0092287	LWDS-MW1	39	22-AUG-92	6010	6.8		4	11.5	F
Nickel	SNL0093493	LWDS-05-BH11	40	20-MAR-94	6010	6.5		4	11.5	F
Nickel	SNL0093418	LWDS-05-BH12	40	21-MAR-94	6010	7.1		4	11.5	F
Nickel	SNL0093328	LWDS-05-BH13	40	22-MAR-94	6010	5.9		4	11.5	F
Nickel	SNL0093623	LWDS-05-BH14	40	23-MAR-94	6010	6.3		4	11.5	F
Nickel	SNL0093501	LWDS-05-BH11	42.5	20-MAR-94	6010	5.1		4	11.5	F
Nickel	SNL0093509	LWDS-05-BH11	45	20-MAR-94	6010	7.1		4	11.5	F
Nickel	SNL0093426	LWDS-05-BH12	45	21-MAR-94	6010	4.5		4	11.5	F
Nickel	SNL0093336	LWDS-05-BH13	45	22-MAR-94	6010	4.7		4	11.5	F
Nickel	SNL0093627	LWDS-05-BH14	45	23-MAR-94	6010	6.4		4	11.5	F
Nickel	SNL0093517	LWDS-05-BH11	47.5	20-MAR-94	6010	7.4		4	11.5	F
Nickel	SNL0093525	LWDS-05-BH11	50	20-MAR-94	6010	6.6		4	11.5	F
Nickel	SNL0093434	LWDS-05-BH12	50	21-MAR-94	6010	5.8		4	11.5	F
Nickel	SNL0093352	LWDS-05-BH13	50	22-MAR-94	6010	8.2		4	11.5	F
Nickel	SNL0093344	LWDS-05-BH13	50	22-MAR-94	6010	11.3		4	11.5	F
Nickel	SNL0093631	LWDS-05-BH14	50	23-MAR-94	6010	5.5		4	11.5	F
Nickel	SNL0092305	LWDS-MW1	50	22-AUG-92	6010	4	U	4	11.5	D
Nickel	SNL0092296	LWDS-MW1	50	22-AUG-92	6010	4	U	4	11.5	F
Nickel	SNL0093533	LWDS-05-BH11	55	20-MAR-94	6010	4.4		4	11.5	F
Nickel	SNL0093450	LWDS-05-BH12	55	21-MAR-94	6010	7.1		4	11.5	D
Nickel	SNL0093442	LWDS-05-BH12	55	21-MAR-94	6010	3.9	J	4	11.5	F
Nickel	SNL0093360	LWDS-05-BH13	55	22-MAR-94	6010	8	U	8	11.5	F
Nickel	SNL0093635	LWDS-05-BH14	55	23-MAR-94	6010	3.9	J	4	11.5	F
Nickel	SNL0093541	LWDS-05-BH11	60	20-MAR-94	6010	5.7		4	11.5	F
Nickel	SNL0093643	LWDS-05-BH14	60	23-MAR-94	6010	7.6		4	11.5	D
Nickel	SNL0093639	LWDS-05-BH14	60	23-MAR-94	6010	7.5		4	11.5	F
Nickel	SNL0092314	LWDS-MW1	60	22-AUG-92	6010	5		4	11.5	F

Table A-4: Metals analyses of soil samples from ER Site 5.

Analyte	Sample Number	Sample Location	Sample Depth (Ft)	Sample Date	Analytical Method	Amount Detected (mg/kg)	Qualifier	Method Detection Limit	NMED Approved Background (mg/kg)	Sample Type
Nickel	SNL0093549	LWDS-05-BH11	65	20-MAR-94	6010	2.9	J	4	11.5	F
Nickel	SNL0092224	LWDS-MW1	68	23-AUG-92	6010	6.7		4	11.5	F
Nickel	SNL0093565	LWDS-05-BH11	70	20-MAR-94	6010	6.9		4	11.5	D
Nickel	SNL0093557	LWDS-05-BH11	70	20-MAR-94	6010	7.3		4	11.5	F
Nickel	SNL0092233	LWDS-MW1	80	23-AUG-92	6010	4.2		4	11.5	F
Nickel	SNL0092242	LWDS-MW1	89	23-AUG-92	6010	4.7		4	11.5	F
Nickel	SNL0092251	LWDS-MW1	89	23-AUG-92	6010	5.5		4	11.5	D
Nickel	SNL0092184	LWDS-MW1	102	24-AUG-92	6010	6.1		4	11.5	F
Nickel	SNL0092200	LWDS-MW1	110	24-AUG-92	6010	6.1		4	11.5	F
Nickel	SNL0092192	LWDS-MW1	110	24-AUG-92	6010	6.6		4	11.5	F
Nickel	SNL0092331	LWDS-MW1	120	25-AUG-92	6010	6.3		4	11.5	F
Nickel	SNL0092340	LWDS-MW1	130	25-AUG-92	6010	13.7		4	11.5	F
Nickel	SNL0092357	LWDS-MW1	143	02-SEP-92	6010	7.8		4	11.5	F
Nickel	SNL0092365	LWDS-MW1	150	02-SEP-92	6010	6.5		4	11.5	F
Nickel	SNL0092981	LWDS-MW1	176	06-APR-93	6010	7.7		4	11.5	F
Nickel	SNL0092991	LWDS-MW1	202	08-APR-93	6010	7.2		4	11.5	F
Nickel	SNL0093005	LWDS-MW1	226	13-APR-93	6010	10.1		4	11.5	F
Nickel	SNL0093015	LWDS-MW1	250	14-APR-93	6010	6.2		4	11.5	F
Nickel	SNL0093027	LWDS-MW1	274	15-APR-93	6010	8.1		4	11.5	F
Nickel	SNL0093047	LWDS-MW1	315	17-APR-93	6010	9.4		4	11.5	F
Nickel	SNL0093059	LWDS-MW1	346	19-APR-93	6010	7.7		4	11.5	F
Nickel	SNL0093037	LWDS-MW1	346	19-APR-93	6010	7.5		4	11.5	D
Nickel	SNL0093071	LWDS-MW1	390	21-APR-93	6010	7.9		4	11.5	F
Nickel	SNL0093094	LWDS-MW1	444	27-APR-93	6010	8.4		4	11.5	F
Potassium	SNL0093116	LWDS-MW1	0	30-APR-93	6010	1330		500	NA	F
Potassium	SNL0093084	LWDS-MW1	0	21-APR-93	6010	1140		500	NA	F
Potassium	SNL0092260	LWDS-MW1	12	22-AUG-92	6010	896		500	NA	F
Potassium	SNL0092269	LWDS-MW1	21	22-AUG-92	6010	818		500	NA	F
Potassium	SNL0093468	LWDS-05-BH11	25	20-MAR-94	6010	1620		500	NA	F
Potassium	SNL0093378	LWDS-05-BH12	25	21-MAR-94	6010	772		500	NA	F
Potassium	SNL0093288	LWDS-05-BH13	25	22-MAR-94	6010	791		500	NA	F
Potassium	SNL0093674	LWDS-05-BH14	25	23-MAR-94	6010	527		500	NA	F
Potassium	SNL0093476	LWDS-05-BH11	30	20-MAR-94	6010	620		500	NA	F
Potassium	SNL0093386	LWDS-05-BH12	30	21-MAR-94	6010	387	J	500	NA	F
Potassium	SNL0093296	LWDS-05-BH13	30	22-MAR-94	6010	411	J	500	NA	F
Potassium	SNL0093678	LWDS-05-BH14	30	23-MAR-94	6010	391	J	500	NA	F
Potassium	SNL0092278	LWDS-MW1	30	22-AUG-92	6010	612		500	NA	F
Potassium	SNL0093394	LWDS-05-BH12	32.5	21-MAR-94	6010	892		500	NA	F
Potassium	SNL0093304	LWDS-05-BH13	32.5	22-MAR-94	6010	797		500	NA	F
Potassium	SNL0093682	LWDS-05-BH14	32.5	23-MAR-94	6010	721		500	NA	F
Potassium	SNL0093485	LWDS-05-BH11	35	20-MAR-94	6010	1250		500	NA	F
Potassium	SNL0093402	LWDS-05-BH12	35	21-MAR-94	6010	499	J	500	NA	F
Potassium	SNL0093312	LWDS-05-BH13	35	22-MAR-94	6010	458	J	500	NA	F
Potassium	SNL0093686	LWDS-05-BH14	35	23-MAR-94	6010	81.3	J	2500	NA	F
Potassium	SNL0093583	LWDS-05-BH11	37.5	20-MAR-94	6010	1190		500	NA	F
Potassium	SNL0093410	LWDS-05-BH12	37.5	21-MAR-94	6010	403	J	500	NA	F
Potassium	SNL0093320	LWDS-05-BH13	37.5	22-MAR-94	6010	405	J	500	NA	F
Potassium	SNL0093690	LWDS-05-BH14	37.5	23-MAR-94	6010	532		500	NA	F
Potassium	SNL0092287	LWDS-MW1	39	22-AUG-92	6010	859		500	NA	F
Potassium	SNL0093493	LWDS-05-BH11	40	20-MAR-94	6010	659		500	NA	F
Potassium	SNL0093418	LWDS-05-BH12	40	21-MAR-94	6010	548		500	NA	F
Potassium	SNL0093328	LWDS-05-BH13	40	22-MAR-94	6010	462	J	500	NA	F
Potassium	SNL0093623	LWDS-05-BH14	40	23-MAR-94	6010	604		500	NA	F
Potassium	SNL0093501	LWDS-05-BH11	42.5	20-MAR-94	6010	603		500	NA	F
Potassium	SNL0093509	LWDS-05-BH11	45	20-MAR-94	6010	782		500	NA	F
Potassium	SNL0093426	LWDS-05-BH12	45	21-MAR-94	6010	499	J	500	NA	F
Potassium	SNL0093336	LWDS-05-BH13	45	22-MAR-94	6010	305	J	500	NA	F
Potassium	SNL0093627	LWDS-05-BH14	45	23-MAR-94	6010	859		500	NA	F
Potassium	SNL0093517	LWDS-05-BH11	47.5	20-MAR-94	6010	1090		500	NA	F
Potassium	SNL0093525	LWDS-05-BH11	50	20-MAR-94	6010	690		500	NA	F
Potassium	SNL0093434	LWDS-05-BH12	50	21-MAR-94	6010	435	J	500	NA	F
Potassium	SNL0093352	LWDS-05-BH13	50	22-MAR-94	6010	521		500	NA	F
Potassium	SNL0093344	LWDS-05-BH13	50	22-MAR-94	6010	635		500	NA	F
Potassium	SNL0093631	LWDS-05-BH14	50	23-MAR-94	6010	668		500	NA	F
Potassium	SNL0092305	LWDS-MW1	50	22-AUG-92	6010	503		500	NA	D
Potassium	SNL0092296	LWDS-MW1	50	22-AUG-92	6010	500	U	500	NA	F

Table A-4: Metals analyses of soil samples from ER Site 5.

Analyte	Sample Number	Sample Location	Sample Depth (Ft)	Sample Date	Analytical Method	Amount Detected (mg/kg)	Qualifier	Method Detection Limit	NMED Approved Background (mg/kg)	Sample Type
Potassium	SNL0093533	LWDS-05-BH11	55	20-MAR-94	6010	727		500	NA	F
Potassium	SNL0093450	LWDS-05-BH12	55	21-MAR-94	6010	456	J	500	NA	D
Potassium	SNL0093442	LWDS-05-BH12	55	21-MAR-94	6010	457	J	500	NA	F
Potassium	SNL0093360	LWDS-05-BH13	55	22-MAR-94	6010	286	J	1000	NA	F
Potassium	SNL0093635	LWDS-05-BH14	55	23-MAR-94	6010	310	J	500	NA	F
Potassium	SNL0093541	LWDS-05-BH11	60	20-MAR-94	6010	844		500	NA	F
Potassium	SNL0093643	LWDS-05-BH14	60	23-MAR-94	6010	1020		500	NA	D
Potassium	SNL0093639	LWDS-05-BH14	60	23-MAR-94	6010	419	J	500	NA	F
Potassium	SNL0092314	LWDS-MW1	60	22-AUG-92	6010	575		500	NA	F
Potassium	SNL0093549	LWDS-05-BH11	65	20-MAR-94	6010	348	J	500	NA	F
Potassium	SNL0092224	LWDS-MW1	68	23-AUG-92	6010	506		500	NA	F
Potassium	SNL0093565	LWDS-05-BH11	70	20-MAR-94	6010	602		500	NA	D
Potassium	SNL0093557	LWDS-05-BH11	70	20-MAR-94	6010	1110		500	NA	F
Potassium	SNL0092233	LWDS-MW1	80	23-AUG-92	6010	618		500	NA	F
Potassium	SNL0092242	LWDS-MW1	89	23-AUG-92	6010	500	U	500	NA	F
Potassium	SNL0092251	LWDS-MW1	89	23-AUG-92	6010	608		500	NA	D
Potassium	SNL0092184	LWDS-MW1	102	24-AUG-92	6010	552		500	NA	F
Potassium	SNL0092200	LWDS-MW1	110	24-AUG-92	6010	793		500	NA	F
Potassium	SNL0092192	LWDS-MW1	110	24-AUG-92	6010	1010		500	NA	F
Potassium	SNL0092331	LWDS-MW1	120	25-AUG-92	6010	620		500	NA	F
Potassium	SNL0092340	LWDS-MW1	130	25-AUG-92	6010	1670		500	NA	F
Potassium	SNL0092357	LWDS-MW1	143	02-SEP-92	6010	920		500	NA	F
Potassium	SNL0092365	LWDS-MW1	150	02-SEP-92	6010	943		500	NA	F
Potassium	SNL0092981	LWDS-MW1	176	06-APR-93	6010	1270		500	NA	F
Potassium	SNL0092991	LWDS-MW1	202	08-APR-93	6010	1060		500	NA	F
Potassium	SNL0093005	LWDS-MW1	226	13-APR-93	6010	1140		500	NA	F
Potassium	SNL0093015	LWDS-MW1	250	14-APR-93	6010	955		500	NA	F
Potassium	SNL0093027	LWDS-MW1	274	15-APR-93	6010	1080		500	NA	F
Potassium	SNL0093047	LWDS-MW1	315	17-APR-93	6010	1400		500	NA	F
Potassium	SNL0093059	LWDS-MW1	346	19-APR-93	6010	1230		500	NA	F
Potassium	SNL0093037	LWDS-MW1	346	19-APR-93	6010	1180		500	NA	D
Potassium	SNL0093071	LWDS-MW1	390	21-APR-93	6010	957		500	NA	F
Potassium	SNL0093094	LWDS-MW1	444	27-APR-93	6010	1570		500	NA	F
Selenium	SNL0093089	LWDS-MW1	0	21-APR-93	7740	0.5	U	0.5	<1	F
Selenium	SNL0093121	LWDS-MW1	0	30-APR-93	7740	0.5	U	0.5	<1	F
Selenium	SNL0092264	LWDS-MW1	12	22-AUG-92	7740	1	U	1	<1	F
Selenium	SNL0092273	LWDS-MW1	21	22-AUG-92	7740	1	U	1	<1	F
Selenium	SNL0093472	LWDS-05-BH11	25	20-MAR-94	7740	1	U	1	<1	F
Selenium	SNL0093382	LWDS-05-BH12	25	21-MAR-94	7740	1	U	1	<1	F
Selenium	SNL0093292	LWDS-05-BH13	25	22-MAR-94	7740	0.5	U	0.5	<1	F
Selenium	SNL0093674	LWDS-05-BH14	25	23-MAR-94	6010	0.4	J	0.5	<1	F
Selenium	SNL0093480	LWDS-05-BH11	30	20-MAR-94	7740	1	U	1	<1	F
Selenium	SNL0093390	LWDS-05-BH12	30	21-MAR-94	7740	1	U	1	<1	F
Selenium	SNL0093300	LWDS-05-BH13	30	22-MAR-94	7740	1	U	1	<1	F
Selenium	SNL0093678	LWDS-05-BH14	30	23-MAR-94	6010	0.5	U	0.5	<1	F
Selenium	SNL0092282	LWDS-MW1	30	22-AUG-92	7740	1	U	1	<1	F
Selenium	SNL0093398	LWDS-05-BH12	32.5	21-MAR-94	7740	0.5	U	0.5	<1	F
Selenium	SNL0093308	LWDS-05-BH13	32.5	22-MAR-94	7740	0.5	U	0.5	<1	F
Selenium	SNL0093682	LWDS-05-BH14	32.5	23-MAR-94	6010	0.5	U	0.5	<1	F
Selenium	SNL0093489	LWDS-05-BH11	35	20-MAR-94	7740	1	U	1	<1	F
Selenium	SNL0093406	LWDS-05-BH12	35	21-MAR-94	7740	1	U	1	<1	F
Selenium	SNL0093316	LWDS-05-BH13	35	22-MAR-94	7740	0.5	U	0.5	<1	F
Selenium	SNL0093686	LWDS-05-BH14	35	23-MAR-94	6010	2.5	U	2.5	<1	F
Selenium	SNL0093587	LWDS-05-BH11	37.5	20-MAR-94	7740	1	U	1	<1	F
Selenium	SNL0093414	LWDS-05-BH12	37.5	21-MAR-94	7740	1	U	1	<1	F
Selenium	SNL0093324	LWDS-05-BH13	37.5	22-MAR-94	7740	1	U	1	<1	F
Selenium	SNL0093690	LWDS-05-BH14	37.5	23-MAR-94	6010	0.39	J	0.5	<1	F
Selenium	SNL0092291	LWDS-MW1	39	22-AUG-92	7740	1	U	1	<1	F
Selenium	SNL0093497	LWDS-05-BH11	40	20-MAR-94	7740	1	U	1	<1	F
Selenium	SNL0093422	LWDS-05-BH12	40	21-MAR-94	7740	1	U	1	<1	F
Selenium	SNL0093332	LWDS-05-BH13	40	22-MAR-94	7740	1	U	1	<1	F
Selenium	SNL0093623	LWDS-05-BH14	40	23-MAR-94	6010	0.57		0.5	<1	F
Selenium	SNL0093505	LWDS-05-BH11	42.5	20-MAR-94	7740	1	U	1	<1	F
Selenium	SNL0093513	LWDS-05-BH11	45	20-MAR-94	7740	1	U	1	<1	F
Selenium	SNL0093430	LWDS-05-BH12	45	21-MAR-94	7740	0.5	U	0.5	<1	F
Selenium	SNL0093340	LWDS-05-BH13	45	22-MAR-94	7740	1	U	1	<1	F

Table A-4: Metals analyses of soil samples from ER Site 5.

Analyte	Sample Number	Sample Location	Sample Depth (Ft)	Sample Date	Analytical Method	Amount Detected (mg/kg)	Qualifier	Method Detection Limit	NMED Approved Background (mg/kg)	Sample Type
Selenium	SNL0093627	LWDS-05-BH14	45	23-MAR-94	6010	0.5	U	0.5	<1	F
Selenium	SNL0093521	LWDS-05-BH11	47.5	20-MAR-94	7740	1	U	1	<1	F
Selenium	SNL0093529	LWDS-05-BH11	50	20-MAR-94	7740	1	U	1	<1	F
Selenium	SNL0093438	LWDS-05-BH12	50	21-MAR-94	7740	1	U	1	<1	F
Selenium	SNL0093356	LWDS-05-BH13	50	22-MAR-94	7740	1	U	1	<1	F
Selenium	SNL0093348	LWDS-05-BH13	50	22-MAR-94	7740	1	U	1	<1	F
Selenium	SNL0093631	LWDS-05-BH14	50	23-MAR-94	6010	0.5	U	0.5	<1	F
Selenium	SNL0092309	LWDS-MW1	50	22-AUG-92	7740	1	U	1	<1	D
Selenium	SNL0092300	LWDS-MW1	50	22-AUG-92	7740	1	U	1	<1	F
Selenium	SNL0093537	LWDS-05-BH11	55	20-MAR-94	7740	1	U	1	<1	F
Selenium	SNL0093454	LWDS-05-BH12	55	21-MAR-94	7740	1	U	1	<1	D
Selenium	SNL0093446	LWDS-05-BH12	55	21-MAR-94	7740	1	U	1	<1	F
Selenium	SNL0093364	LWDS-05-BH13	55	22-MAR-94	7740	1	U	1	<1	F
Selenium	SNL0093635	LWDS-05-BH14	55	23-MAR-94	6010	0.5	U	0.5	<1	F
Selenium	SNL0093545	LWDS-05-BH11	60	20-MAR-94	7740	1	U	1	<1	F
Selenium	SNL0093643	LWDS-05-BH14	60	23-MAR-94	6010	0.5	U	0.5	<1	D
Selenium	SNL0093639	LWDS-05-BH14	60	23-MAR-94	6010	0.5	U	0.5	<1	F
Selenium	SNL0092318	LWDS-MW1	60	22-AUG-92	7740	1	U	1	<1	F
Selenium	SNL0093553	LWDS-05-BH11	65	20-MAR-94	7740	1	U	1	<1	F
Selenium	SNL0092228	LWDS-MW1	68	23-AUG-92	7740	1	U	1	<1	F
Selenium	SNL0093569	LWDS-05-BH11	70	20-MAR-94	7740	1	U	1	<1	D
Selenium	SNL0093561	LWDS-05-BH11	70	20-MAR-94	7740	1	U	1	<1	F
Selenium	SNL0092237	LWDS-MW1	80	23-AUG-92	7740	1	U	1	<1	F
Selenium	SNL0092255	LWDS-MW1	89	23-AUG-92	7740	1	U	1	<1	D
Selenium	SNL0092246	LWDS-MW1	89	23-AUG-92	7740	1	U	1	<1	F
Selenium	SNL0092188	LWDS-MW1	102	24-AUG-92	7740	1	U	1	<1	F
Selenium	SNL0092204	LWDS-MW1	110	24-AUG-92	7740	1	U	1	<1	F
Selenium	SNL0092196	LWDS-MW1	110	24-AUG-92	7740	1	U	1	<1	F
Selenium	SNL0092335	LWDS-MW1	120	25-AUG-92	7740	1	U	1	<1	F
Selenium	SNL0092344	LWDS-MW1	130	25-AUG-92	7740	1	U	1	<1	F
Selenium	SNL0092360	LWDS-MW1	143	02-SEP-92	7740	2	U	2	<1	F
Selenium	SNL0092368	LWDS-MW1	150	02-SEP-92	7740	2	U	2	<1	F
Selenium	SNL0092986	LWDS-MW1	176	06-APR-93	7740	1	U	1	<1	F
Selenium	SNL0092996	LWDS-MW1	202	08-APR-93	7740	1	U	1	<1	F
Selenium	SNL0093010	LWDS-MW1	226	13-APR-93	7740	0.3	J	1	<1	F
Selenium	SNL0093020	LWDS-MW1	250	14-APR-93	7740	1	U	1	<1	F
Selenium	SNL0093032	LWDS-MW1	274	15-APR-93	7740	1	U	1	<1	F
Selenium	SNL0093052	LWDS-MW1	315	17-APR-93	7740	0.35	J	0.5	<1	F
Selenium	SNL0093064	LWDS-MW1	346	19-APR-93	7740	0.5	U	0.5	<1	F
Selenium	SNL0093042	LWDS-MW1	346	19-APR-93	7740	0.5	U	0.5	<1	D
Selenium	SNL0093076	LWDS-MW1	390	21-APR-93	7740	0.5	U	0.5	<1	F
Selenium	SNL0093099	LWDS-MW1	444	27-APR-93	7740	0.3	J	0.5	<1	F
Silver	SNL0093116	LWDS-MW1	0	30-APR-93	6010	1	U	1	<1	F
Silver	SNL0093084	LWDS-MW1	0	21-APR-93	6010	1	U	1	<1	F
Silver	SNL0092260	LWDS-MW1	12	22-AUG-92	6010	1	U	1	<1	F
Silver	SNL0092269	LWDS-MW1	21	22-AUG-92	6010	1	U	1	<1	F
Silver	SNL0093468	LWDS-05-BH11	25	20-MAR-94	6010	1	U	1	<1	F
Silver	SNL0093378	LWDS-05-BH12	25	21-MAR-94	6010	2	U	2	<1	F
Silver	SNL0093288	LWDS-05-BH13	25	22-MAR-94	6010	1	U	1	<1	F
Silver	SNL0093674	LWDS-05-BH14	25	23-MAR-94	6010	0.73	J	1	<1	F
Silver	SNL0093476	LWDS-05-BH11	30	20-MAR-94	6010	1	U	1	<1	F
Silver	SNL0093386	LWDS-05-BH12	30	21-MAR-94	6010	1	U	1	<1	F
Silver	SNL0093296	LWDS-05-BH13	30	22-MAR-94	6010	1	U	1	<1	F
Silver	SNL0093678	LWDS-05-BH14	30	23-MAR-94	6010	0.6	J	1	<1	F
Silver	SNL0092278	LWDS-MW1	30	22-AUG-92	6010	1	U	1	<1	F
Silver	SNL0093394	LWDS-05-BH12	32.5	21-MAR-94	6010	2	U	2	<1	F
Silver	SNL0093304	LWDS-05-BH13	32.5	22-MAR-94	6010	1	U	1	<1	F
Silver	SNL0093682	LWDS-05-BH14	32.5	23-MAR-94	6010	0.68	J	1	<1	F
Silver	SNL0093485	LWDS-05-BH11	35	20-MAR-94	6010	1	U	1	<1	F
Silver	SNL0093402	LWDS-05-BH12	35	21-MAR-94	6010	1	U	1	<1	F
Silver	SNL0093312	LWDS-05-BH13	35	22-MAR-94	6010	1	U	1	<1	F
Silver	SNL0093686	LWDS-05-BH14	35	23-MAR-94	6010	3.7	J	5	<1	F
Silver	SNL0093583	LWDS-05-BH11	37.5	20-MAR-94	6010	1	U	1	<1	F
Silver	SNL0093410	LWDS-05-BH12	37.5	21-MAR-94	6010	1	U	1	<1	F
Silver	SNL0093320	LWDS-05-BH13	37.5	22-MAR-94	6010	1	U	1	<1	F
Silver	SNL0093690	LWDS-05-BH14	37.5	23-MAR-94	6010	1		1	<1	F

Table A-4: Metals analyses of soil samples from ER Site 5.

Analyte	Sample Number	Sample Location	Sample Depth (Ft)	Sample Date	Analytical Method	Amount Detected (mg/kg)	Qualifier	Method Detection Limit	NMED Approved Background (mg/kg)	Sample Type
Silver	SNL0092287	LWDS-MW1	39	22-AUG-92	6010	1	U	1	<1	F
Silver	SNL0093493	LWDS-05-BH11	40	20-MAR-94	6010	1	U	1	<1	F
Silver	SNL0093418	LWDS-05-BH12	40	21-MAR-94	6010	1	U	1	<1	F
Silver	SNL0093328	LWDS-05-BH13	40	22-MAR-94	6010	1	U	1	<1	F
Silver	SNL0093623	LWDS-05-BH14	40	23-MAR-94	6010	1	U	1	<1	F
Silver	SNL0093501	LWDS-05-BH11	42.5	20-MAR-94	6010	1	U	1	<1	F
Silver	SNL0093509	LWDS-05-BH11	45	20-MAR-94	6010	1	U	1	<1	F
Silver	SNL0093426	LWDS-05-BH12	45	21-MAR-94	6010	1	U	1	<1	F
Silver	SNL0093336	LWDS-05-BH13	45	22-MAR-94	6010	1	U	1	<1	F
Silver	SNL0093627	LWDS-05-BH14	45	23-MAR-94	6010	1	U	1	<1	F
Silver	SNL0093517	LWDS-05-BH11	47.5	20-MAR-94	6010	1	U	1	<1	F
Silver	SNL0093525	LWDS-05-BH11	50	20-MAR-94	6010	1	U	1	<1	F
Silver	SNL0093434	LWDS-05-BH12	50	21-MAR-94	6010	1	U	1	<1	F
Silver	SNL0093344	LWDS-05-BH13	50	22-MAR-94	6010	1	U	1	<1	F
Silver	SNL0093352	LWDS-05-BH13	50	22-MAR-94	6010	1	U	1	<1	F
Silver	SNL0093631	LWDS-05-BH14	50	23-MAR-94	6010	0.39	J	1	<1	F
Silver	SNL0092305	LWDS-MW1	50	22-AUG-92	6010	1	U	1	<1	D
Silver	SNL0092296	LWDS-MW1	50	22-AUG-92	6010	1	U	1	<1	F
Silver	SNL0093533	LWDS-05-BH11	55	20-MAR-94	6010	1	U	1	<1	F
Silver	SNL0093450	LWDS-05-BH12	55	21-MAR-94	6010	2	U	2	<1	D
Silver	SNL0093442	LWDS-05-BH12	55	21-MAR-94	6010	1	U	1	<1	F
Silver	SNL0093360	LWDS-05-BH13	55	22-MAR-94	6010	2	U	2	<1	F
Silver	SNL0093635	LWDS-05-BH14	55	23-MAR-94	6010	1	U	1	<1	F
Silver	SNL0093541	LWDS-05-BH11	60	20-MAR-94	6010	1	U	1	<1	F
Silver	SNL0093643	LWDS-05-BH14	60	23-MAR-94	6010	1	U	1	<1	D
Silver	SNL0093639	LWDS-05-BH14	60	23-MAR-94	6010	0.34	J	1	<1	F
Silver	SNL0092314	LWDS-MW1	60	22-AUG-92	6010	1	U	1	<1	F
Silver	SNL0093549	LWDS-05-BH11	65	20-MAR-94	6010	1	U	1	<1	F
Silver	SNL0092224	LWDS-MW1	68	23-AUG-92	6010	1	U	1	<1	F
Silver	SNL0093565	LWDS-05-BH11	70	20-MAR-94	6010	1	U	1	<1	D
Silver	SNL0093557	LWDS-05-BH11	70	20-MAR-94	6010	1	U	1	<1	F
Silver	SNL0092233	LWDS-MW1	80	23-AUG-92	6010	1	U	1	<1	F
Silver	SNL0092251	LWDS-MW1	89	23-AUG-92	6010	1	U	1	<1	D
Silver	SNL0092242	LWDS-MW1	89	23-AUG-92	6010	1	U	1	<1	F
Silver	SNL0092184	LWDS-MW1	102	24-AUG-92	6010	1	U	1	<1	F
Silver	SNL0092200	LWDS-MW1	110	24-AUG-92	6010	1	U	1	<1	F
Silver	SNL0092192	LWDS-MW1	110	24-AUG-92	6010	1	U	1	<1	F
Silver	SNL0092331	LWDS-MW1	120	25-AUG-92	6010	1	U	1	<1	F
Silver	SNL0092340	LWDS-MW1	130	25-AUG-92	6010	1	U	1	<1	F
Silver	SNL0092357	LWDS-MW1	143	02-SEP-92	6010	1	U	1	<1	F
Silver	SNL0092365	LWDS-MW1	150	02-SEP-92	6010	1	U	1	<1	F
Silver	SNL0092981	LWDS-MW1	176	06-APR-93	6010	1	U	1	<1	F
Silver	SNL0092991	LWDS-MW1	202	08-APR-93	6010	1	U	1	<1	F
Silver	SNL0093005	LWDS-MW1	226	13-APR-93	6010	1	U	1	<1	F
Silver	SNL0093015	LWDS-MW1	250	14-APR-93	6010	1	U	1	<1	F
Silver	SNL0093027	LWDS-MW1	274	15-APR-93	6010	0.72	J	1	<1	F
Silver	SNL0093047	LWDS-MW1	315	17-APR-93	6010	1	U	1	<1	F
Silver	SNL0093059	LWDS-MW1	346	19-APR-93	6010	1	U	1	<1	F
Silver	SNL0093037	LWDS-MW1	346	19-APR-93	6010	1	U	1	<1	D
Silver	SNL0093071	LWDS-MW1	390	21-APR-93	6010	1	U	1	<1	F
Silver	SNL0093094	LWDS-MW1	444	27-APR-93	6010	1	U	1	<1	F
Sodium	SNL0093116	LWDS-MW1	0	30-APR-93	6010	500	U	500	NA	F
Sodium	SNL0093084	LWDS-MW1	0	21-APR-93	6010	500	U	500	NA	F
Sodium	SNL0092260	LWDS-MW1	12	22-AUG-92	6010	500	U	500	NA	F
Sodium	SNL0092269	LWDS-MW1	21	22-AUG-92	6010	500	U	500	NA	F
Sodium	SNL0093468	LWDS-05-BH11	25	20-MAR-94	6010	500	U	500	NA	F
Sodium	SNL0093378	LWDS-05-BH12	25	21-MAR-94	6010	500	U	500	NA	F
Sodium	SNL0093288	LWDS-05-BH13	25	22-MAR-94	6010	500	U	500	NA	F
Sodium	SNL0093674	LWDS-05-BH14	25	23-MAR-94	6010	73.3	J	500	NA	F
Sodium	SNL0093476	LWDS-05-BH11	30	20-MAR-94	6010	500	U	500	NA	F
Sodium	SNL0093386	LWDS-05-BH12	30	21-MAR-94	6010	500	U	500	NA	F
Sodium	SNL0093296	LWDS-05-BH13	30	22-MAR-94	6010	500	U	500	NA	F
Sodium	SNL0093678	LWDS-05-BH14	30	23-MAR-94	6010	102	J	500	NA	F
Sodium	SNL0092278	LWDS-MW1	30	22-AUG-92	6010	500	U	500	NA	F
Sodium	SNL0093394	LWDS-05-BH12	32.5	21-MAR-94	6010	500	U	500	NA	F
Sodium	SNL0093304	LWDS-05-BH13	32.5	22-MAR-94	6010	500	U	500	NA	F

Table A-4: Metals analyses of soil samples from ER Site 5.

Analyte	Sample Number	Sample Location	Sample Depth (Ft)	Sample Date	Analytical Method	Amount Detected (mg/kg)	Qualifier	Method Detection Limit	NMED Approved Background (mg/kg)	Sample Type
Sodium	SNL0093682	LWDS-05-BH14	32.5	23-MAR-94	6010	500	U	500	NA	F
Sodium	SNL0093485	LWDS-05-BH11	35	20-MAR-94	6010	500	U	500	NA	F
Sodium	SNL0093402	LWDS-05-BH12	35	21-MAR-94	6010	500	U	500	NA	F
Sodium	SNL0093312	LWDS-05-BH13	35	22-MAR-94	6010	500	U	500	NA	F
Sodium	SNL0093686	LWDS-05-BH14	35	23-MAR-94	6010	2500	U	2500	NA	F
Sodium	SNL0093583	LWDS-05-BH11	37.5	20-MAR-94	6010	500	U	500	NA	F
Sodium	SNL0093410	LWDS-05-BH12	37.5	21-MAR-94	6010	500	U	500	NA	F
Sodium	SNL0093320	LWDS-05-BH13	37.5	22-MAR-94	6010	500	U	500	NA	F
Sodium	SNL0093690	LWDS-05-BH14	37.5	23-MAR-94	6010	89.9	J	500	NA	F
Sodium	SNL0092287	LWDS-MW1	39	22-AUG-92	6010	500	U	500	NA	F
Sodium	SNL0093493	LWDS-05-BH11	40	20-MAR-94	6010	500	U	500	NA	F
Sodium	SNL0093418	LWDS-05-BH12	40	21-MAR-94	6010	500	U	500	NA	F
Sodium	SNL0093328	LWDS-05-BH13	40	22-MAR-94	6010	500	U	500	NA	F
Sodium	SNL0093623	LWDS-05-BH14	40	23-MAR-94	6010	142	J	500	NA	F
Sodium	SNL0093501	LWDS-05-BH11	42.5	20-MAR-94	6010	500	U	500	NA	F
Sodium	SNL0093509	LWDS-05-BH11	45	20-MAR-94	6010	500	U	500	NA	F
Sodium	SNL0093426	LWDS-05-BH12	45	21-MAR-94	6010	500	U	500	NA	F
Sodium	SNL0093336	LWDS-05-BH13	45	22-MAR-94	6010	500	U	500	NA	F
Sodium	SNL0093627	LWDS-05-BH14	45	23-MAR-94	6010	179	J	500	NA	F
Sodium	SNL0093517	LWDS-05-BH11	47.5	20-MAR-94	6010	500	U	500	NA	F
Sodium	SNL0093525	LWDS-05-BH11	50	20-MAR-94	6010	500	U	500	NA	F
Sodium	SNL0093434	LWDS-05-BH12	50	21-MAR-94	6010	500	U	500	NA	F
Sodium	SNL0093352	LWDS-05-BH13	50	22-MAR-94	6010	500	U	500	NA	F
Sodium	SNL0093344	LWDS-05-BH13	50	22-MAR-94	6010	500	U	500	NA	F
Sodium	SNL0093631	LWDS-05-BH14	50	23-MAR-94	6010	141	J	500	NA	F
Sodium	SNL0092305	LWDS-MW1	50	22-AUG-92	6010	500	U	500	NA	D
Sodium	SNL0092296	LWDS-MW1	50	22-AUG-92	6010	500	U	500	NA	F
Sodium	SNL0093533	LWDS-05-BH11	55	20-MAR-94	6010	500	U	500	NA	F
Sodium	SNL0093450	LWDS-05-BH12	55	21-MAR-94	6010	500	U	500	NA	D
Sodium	SNL0093442	LWDS-05-BH12	55	21-MAR-94	6010	500	U	500	NA	F
Sodium	SNL0093360	LWDS-05-BH13	55	22-MAR-94	6010	1000	U	1000	NA	F
Sodium	SNL0093635	LWDS-05-BH14	55	23-MAR-94	6010	154	J	500	NA	F
Sodium	SNL0093541	LWDS-05-BH11	60	20-MAR-94	6010	500	U	500	NA	F
Sodium	SNL0093643	LWDS-05-BH14	60	23-MAR-94	6010	194	J	500	NA	D
Sodium	SNL0093639	LWDS-05-BH14	60	23-MAR-94	6010	324	J	500	NA	F
Sodium	SNL0092314	LWDS-MW1	60	22-AUG-92	6010	500	U	500	NA	F
Sodium	SNL0093549	LWDS-05-BH11	65	20-MAR-94	6010	500	U	500	NA	F
Sodium	SNL0092224	LWDS-MW1	68	23-AUG-92	6010	500	U	500	NA	F
Sodium	SNL0093557	LWDS-05-BH11	70	20-MAR-94	6010	500	U	500	NA	F
Sodium	SNL0093565	LWDS-05-BH11	70	20-MAR-94	6010	500	U	500	NA	D
Sodium	SNL0092233	LWDS-MW1	80	23-AUG-92	6010	500	U	500	NA	F
Sodium	SNL0092251	LWDS-MW1	89	23-AUG-92	6010	500	U	500	NA	D
Sodium	SNL0092242	LWDS-MW1	89	23-AUG-92	6010	500	U	500	NA	F
Sodium	SNL0092184	LWDS-MW1	102	24-AUG-92	6010	500	U	500	NA	F
Sodium	SNL0092200	LWDS-MW1	110	24-AUG-92	6010	500	U	500	NA	F
Sodium	SNL0092192	LWDS-MW1	110	24-AUG-92	6010	500	U	500	NA	F
Sodium	SNL0092331	LWDS-MW1	120	25-AUG-92	6010	500	U	500	NA	F
Sodium	SNL0092340	LWDS-MW1	130	25-AUG-92	6010	500	U	500	NA	F
Sodium	SNL0092357	LWDS-MW1	143	02-SEP-92	6010	500	U	500	NA	F
Sodium	SNL0092365	LWDS-MW1	150	02-SEP-92	6010	500	U	500	NA	F
Sodium	SNL0092981	LWDS-MW1	176	06-APR-93	6010	500	U	500	NA	F
Sodium	SNL0092991	LWDS-MW1	202	08-APR-93	6010	500	U	500	NA	F
Sodium	SNL0093005	LWDS-MW1	226	13-APR-93	6010	500	U	500	NA	F
Sodium	SNL0093015	LWDS-MW1	250	14-APR-93	6010	500	U	500	NA	F
Sodium	SNL0093027	LWDS-MW1	274	15-APR-93	6010	500	U	500	NA	F
Sodium	SNL0093047	LWDS-MW1	315	17-APR-93	6010	500	U	500	NA	F
Sodium	SNL0093059	LWDS-MW1	346	19-APR-93	6010	500	U	500	NA	F
Sodium	SNL0093037	LWDS-MW1	346	19-APR-93	6010	500	U	500	NA	D
Sodium	SNL0093071	LWDS-MW1	390	21-APR-93	6010	500	U	500	NA	F
Sodium	SNL0093094	LWDS-MW1	444	27-APR-93	6010	136	J	500	NA	F
Thallium	SNL0093122	LWDS-MW1	0	30-APR-93	7841	0.5	U	0.5	<1.1	F
Thallium	SNL0093090	LWDS-MW1	0	21-APR-93	7841	1	U	1	<1.1	F
Thallium	SNL0092265	LWDS-MW1	12	22-AUG-92	7841	2	U	2	<1.1	F
Thallium	SNL0092274	LWDS-MW1	21	22-AUG-92	7841	1	U	1	<1.1	F
Thallium	SNL0093473	LWDS-05-BH11	25	20-MAR-94	7841	1	U	1	<1.1	F
Thallium	SNL0093383	LWDS-05-BH12	25	21-MAR-94	7841	1	U	1	<1.1	F

Table A-4: Metals analyses of soil samples from ER Site 5.

Analyte	Sample Number	Sample Location	Sample Depth (Ft)	Sample Date	Analytical Method	Amount Detected (mg/kg)	Qualifier	Method Detection Limit	NMED Approved Background (mg/kg)	Sample Type
Thallium	SNL0093293	LWDS-05-BH13	25	22-MAR-94	7841	0.17	J	0.5	<1.1	F
Thallium	SNL0093674	LWDS-05-BH14	25	23-MAR-94	6010	1	U	1	<1.1	F
Thallium	SNL0093481	LWDS-05-BH11	30	20-MAR-94	7841	1	U	1	<1.1	F
Thallium	SNL0093391	LWDS-05-BH12	30	21-MAR-94	7841	1	U	1	<1.1	F
Thallium	SNL0093301	LWDS-05-BH13	30	22-MAR-94	7841	1	U	1	<1.1	F
Thallium	SNL0093678	LWDS-05-BH14	30	23-MAR-94	6010	1	U	1	<1.1	F
Thallium	SNL0092283	LWDS-MW1	30	22-AUG-92	7841	2	U	2	<1.1	F
Thallium	SNL0093399	LWDS-05-BH12	32.5	21-MAR-94	7841	1	U	1	<1.1	F
Thallium	SNL0093309	LWDS-05-BH13	32.5	22-MAR-94	7841	1	U	1	<1.1	F
Thallium	SNL0093682	LWDS-05-BH14	32.5	23-MAR-94	6010	1	U	1	<1.1	F
Thallium	SNL0093490	LWDS-05-BH11	35	20-MAR-94	7841	1	U	1	<1.1	F
Thallium	SNL0093407	LWDS-05-BH12	35	21-MAR-94	7841	1	U	1	<1.1	F
Thallium	SNL0093317	LWDS-05-BH13	35	22-MAR-94	7841	1	U	1	<1.1	F
Thallium	SNL0093686	LWDS-05-BH14	35	23-MAR-94	6010	5	U	5	<1.1	F
Thallium	SNL0093588	LWDS-05-BH11	37.5	20-MAR-94	7841	1	U	1	<1.1	F
Thallium	SNL0093415	LWDS-05-BH12	37.5	21-MAR-94	7841	1	U	1	<1.1	F
Thallium	SNL0093325	LWDS-05-BH13	37.5	22-MAR-94	7841	1	U	1	<1.1	F
Thallium	SNL0093690	LWDS-05-BH14	37.5	23-MAR-94	6010	1	U	1	<1.1	F
Thallium	SNL0092292	LWDS-MW1	39	22-AUG-92	7841	1	U	1	<1.1	F
Thallium	SNL0093498	LWDS-05-BH11	40	20-MAR-94	7841	1	U	1	<1.1	F
Thallium	SNL0093423	LWDS-05-BH12	40	21-MAR-94	7841	0.5	U	0.5	<1.1	F
Thallium	SNL0093333	LWDS-05-BH13	40	22-MAR-94	7841	0.5	U	0.5	<1.1	F
Thallium	SNL0093623	LWDS-05-BH14	40	23-MAR-94	6010	1	U	1	<1.1	F
Thallium	SNL0093506	LWDS-05-BH11	42.5	20-MAR-94	7841	1	U	1	<1.1	F
Thallium	SNL0093514	LWDS-05-BH11	45	20-MAR-94	7841	1	U	1	<1.1	F
Thallium	SNL0093431	LWDS-05-BH12	45	21-MAR-94	7841	0.5	U	0.5	<1.1	F
Thallium	SNL0093341	LWDS-05-BH13	45	22-MAR-94	7841	1	U	1	<1.1	F
Thallium	SNL0093627	LWDS-05-BH14	45	23-MAR-94	6010	1	U	1	<1.1	F
Thallium	SNL0093522	LWDS-05-BH11	47.5	20-MAR-94	7841	1	U	1	<1.1	F
Thallium	SNL0093530	LWDS-05-BH11	50	20-MAR-94	7841	1	U	1	<1.1	F
Thallium	SNL0093439	LWDS-05-BH12	50	21-MAR-94	7841	0.14	J	0.5	<1.1	F
Thallium	SNL0093357	LWDS-05-BH13	50	22-MAR-94	7841	0.5	U	0.5	<1.1	F
Thallium	SNL0093349	LWDS-05-BH13	50	22-MAR-94	7841	1	U	1	<1.1	F
Thallium	SNL0093631	LWDS-05-BH14	50	23-MAR-94	6010	1	U	1	<1.1	F
Thallium	SNL0092310	LWDS-MW1	50	22-AUG-92	7841	1	U	1	<1.1	D
Thallium	SNL0092301	LWDS-MW1	50	22-AUG-92	7841	1	U	1	<1.1	F
Thallium	SNL0093538	LWDS-05-BH11	55	20-MAR-94	7841	0.5	U	0.5	<1.1	F
Thallium	SNL0093455	LWDS-05-BH12	55	21-MAR-94	7841	1	U	1	<1.1	D
Thallium	SNL0093447	LWDS-05-BH12	55	21-MAR-94	7841	1	U	1	<1.1	F
Thallium	SNL0093365	LWDS-05-BH13	55	22-MAR-94	7841	1	U	1	<1.1	F
Thallium	SNL0093635	LWDS-05-BH14	55	23-MAR-94	6010	1	U	1	<1.1	F
Thallium	SNL0093546	LWDS-05-BH11	60	20-MAR-94	7841	1	U	1	<1.1	F
Thallium	SNL0093643	LWDS-05-BH14	60	23-MAR-94	6010	1	U	1	<1.1	D
Thallium	SNL0093639	LWDS-05-BH14	60	23-MAR-94	6010	1	U	1	<1.1	F
Thallium	SNL0092319	LWDS-MW1	60	22-AUG-92	7841	1	U	1	<1.1	F
Thallium	SNL0093554	LWDS-05-BH11	65	20-MAR-94	7841	1	U	1	<1.1	F
Thallium	SNL0092229	LWDS-MW1	68	23-AUG-92	7841	1	U	1	<1.1	F
Thallium	SNL0093570	LWDS-05-BH11	70	20-MAR-94	7841	1	U	1	<1.1	D
Thallium	SNL0093562	LWDS-05-BH11	70	20-MAR-94	7841	1	U	1	<1.1	F
Thallium	SNL0092238	LWDS-MW1	80	23-AUG-92	7841	1	U	1	<1.1	F
Thallium	SNL0092256	LWDS-MW1	89	23-AUG-92	7841	1	U	1	<1.1	D
Thallium	SNL0092247	LWDS-MW1	89	23-AUG-92	7841	1	U	1	<1.1	F
Thallium	SNL0092189	LWDS-MW1	102	24-AUG-92	7841	1	U	1	<1.1	F
Thallium	SNL0092205	LWDS-MW1	110	24-AUG-92	7841	1	U	1	<1.1	F
Thallium	SNL0092197	LWDS-MW1	110	24-AUG-92	7841	1	U	1	<1.1	F
Thallium	SNL0092336	LWDS-MW1	120	25-AUG-92	7841	1	U	1	<1.1	F
Thallium	SNL0092345	LWDS-MW1	130	25-AUG-92	7841	1	U	1	<1.1	F
Thallium	SNL0092361	LWDS-MW1	143	02-SEP-92	7841	1	U	1	<1.1	F
Thallium	SNL0092369	LWDS-MW1	150	02-SEP-92	7841	1	U	1	<1.1	F
Thallium	SNL0092987	LWDS-MW1	176	06-APR-93	7841	0.5	U	0.5	<1.1	F
Thallium	SNL0092997	LWDS-MW1	202	08-APR-93	7841	0.16	J	0.5	<1.1	F
Thallium	SNL0093011	LWDS-MW1	226	13-APR-93	7841	1	U	1	<1.1	F
Thallium	SNL0093021	LWDS-MW1	250	14-APR-93	7841	0.16	J	0.5	<1.1	F
Thallium	SNL0093033	LWDS-MW1	274	15-APR-93	7841	0.1	J	1	<1.1	F
Thallium	SNL0093053	LWDS-MW1	315	17-APR-93	7841	1	U	1	<1.1	F
Thallium	SNL0093065	LWDS-MW1	346	19-APR-93	7841	1	U	1	<1.1	F

Table A-4: Metals analyses of soil samples from ER Site 5.

Analyte	Sample Number	Sample Location	Sample Depth (Ft)	Sample Date	Analytical Method	Amount Detected (mg/kg)	Qualifier	Method Detection Limit	NMED Approved Background (mg/kg)	Sample Type
Thallium	SNL0093043	LWDS-MW1	346	19-APR-93	7841	1	U	1	<1.1	D
Thallium	SNL0093077	LWDS-MW1	390	21-APR-93	7841	1	U	1	<1.1	F
Thallium	SNL0093100	LWDS-MW1	444	27-APR-93	7841	1	U	1	<1.1	F
Vanadium	SNL0093084	LWDS-MW1	0	21-APR-93	6010	19.1		1	20.4	F
Vanadium	SNL0093116	LWDS-MW1	0	30-APR-93	6010	15.1		1	20.4	F
Vanadium	SNL0092260	LWDS-MW1	12	22-AUG-92	6010	16.2		1	21.5	F
Vanadium	SNL0092269	LWDS-MW1	21	22-AUG-92	6010	17.5		1	21.5	F
Vanadium	SNL0093468	LWDS-05-BH11	25	20-MAR-94	6010	22		1	21.5	F
Vanadium	SNL0093378	LWDS-05-BH12	25	21-MAR-94	6010	13.4		1	21.5	F
Vanadium	SNL0093288	LWDS-05-BH13	25	22-MAR-94	6010	22.5		1	21.5	F
Vanadium	SNL0093674	LWDS-05-BH14	25	23-MAR-94	6010	17.2		1	21.5	F
Vanadium	SNL0093476	LWDS-05-BH11	30	20-MAR-94	6010	13.2		1	21.5	F
Vanadium	SNL0093386	LWDS-05-BH12	30	21-MAR-94	6010	9.4		1	21.5	F
Vanadium	SNL0093296	LWDS-05-BH13	30	22-MAR-94	6010	17.1		1	21.5	F
Vanadium	SNL0093678	LWDS-05-BH14	30	23-MAR-94	6010	13.2		1	21.5	F
Vanadium	SNL0092278	LWDS-MW1	30	22-AUG-92	6010	18		1	21.5	F
Vanadium	SNL0093394	LWDS-05-BH12	32.5	21-MAR-94	6010	9.4		1	21.5	F
Vanadium	SNL0093304	LWDS-05-BH13	32.5	22-MAR-94	6010	21.4		1	21.5	F
Vanadium	SNL0093682	LWDS-05-BH14	32.5	23-MAR-94	6010	11.2		1	21.5	F
Vanadium	SNL0093485	LWDS-05-BH11	35	20-MAR-94	6010	17.2		1	21.5	F
Vanadium	SNL0093402	LWDS-05-BH12	35	21-MAR-94	6010	10.7		1	21.5	F
Vanadium	SNL0093312	LWDS-05-BH13	35	22-MAR-94	6010	17		1	21.5	F
Vanadium	SNL0093686	LWDS-05-BH14	35	23-MAR-94	6010	5	U	5	21.5	F
Vanadium	SNL0093583	LWDS-05-BH11	37.5	20-MAR-94	6010	7		1	21.5	F
Vanadium	SNL0093410	LWDS-05-BH12	37.5	21-MAR-94	6010	8.7		1	21.5	F
Vanadium	SNL0093320	LWDS-05-BH13	37.5	22-MAR-94	6010	15.1		1	21.5	F
Vanadium	SNL0093690	LWDS-05-BH14	37.5	23-MAR-94	6010	9.8		1	21.5	F
Vanadium	SNL0092287	LWDS-MW1	39	22-AUG-92	6010	17.1		1	21.5	F
Vanadium	SNL0093493	LWDS-05-BH11	40	20-MAR-94	6010	17.2		1	21.5	F
Vanadium	SNL0093418	LWDS-05-BH12	40	21-MAR-94	6010	10.9		1	21.5	F
Vanadium	SNL0093328	LWDS-05-BH13	40	22-MAR-94	6010	12.9		1	21.5	F
Vanadium	SNL0093623	LWDS-05-BH14	40	23-MAR-94	6010	13.7		1	21.5	F
Vanadium	SNL0093501	LWDS-05-BH11	42.5	20-MAR-94	6010	14.9		1	21.5	F
Vanadium	SNL0093509	LWDS-05-BH11	45	20-MAR-94	6010	17.8		1	21.5	F
Vanadium	SNL0093426	LWDS-05-BH12	45	21-MAR-94	6010	8.9		1	21.5	F
Vanadium	SNL0093336	LWDS-05-BH13	45	22-MAR-94	6010	9.9		1	21.5	F
Vanadium	SNL0093627	LWDS-05-BH14	45	23-MAR-94	6010	16.3		1	21.5	F
Vanadium	SNL0093517	LWDS-05-BH11	47.5	20-MAR-94	6010	20.9		1	21.5	F
Vanadium	SNL0093525	LWDS-05-BH11	50	20-MAR-94	6010	18.6		1	21.5	F
Vanadium	SNL0093434	LWDS-05-BH12	50	21-MAR-94	6010	12.2		1	21.5	F
Vanadium	SNL0093352	LWDS-05-BH13	50	22-MAR-94	6010	15.1		1	21.5	F
Vanadium	SNL0093344	LWDS-05-BH13	50	22-MAR-94	6010	17.3		1	21.5	F
Vanadium	SNL0093631	LWDS-05-BH14	50	23-MAR-94	6010	15.6		1	21.5	F
Vanadium	SNL0092305	LWDS-MW1	50	22-AUG-92	6010	9.7		1	21.5	D
Vanadium	SNL0092296	LWDS-MW1	50	22-AUG-92	6010	8.9		1	21.5	F
Vanadium	SNL0093533	LWDS-05-BH11	55	20-MAR-94	6010	15.2		1	21.5	F
Vanadium	SNL0093450	LWDS-05-BH12	55	21-MAR-94	6010	12.1		1	21.5	D
Vanadium	SNL0093442	LWDS-05-BH12	55	21-MAR-94	6010	9.3		1	21.5	F
Vanadium	SNL0093360	LWDS-05-BH13	55	22-MAR-94	6010	7.8		2	21.5	F
Vanadium	SNL0093635	LWDS-05-BH14	55	23-MAR-94	6010	7.4		1	21.5	F
Vanadium	SNL0093541	LWDS-05-BH11	60	20-MAR-94	6010	18.7		1	21.5	F
Vanadium	SNL0093643	LWDS-05-BH14	60	23-MAR-94	6010	18.8		1	21.5	D
Vanadium	SNL0093639	LWDS-05-BH14	60	23-MAR-94	6010	11.2		1	21.5	F
Vanadium	SNL0092314	LWDS-MW1	60	22-AUG-92	6010	15.5		1	21.5	F
Vanadium	SNL0093549	LWDS-05-BH11	65	20-MAR-94	6010	8.7		1	21.5	F
Vanadium	SNL0092224	LWDS-MW1	68	23-AUG-92	6010	11.7		1	21.5	F
Vanadium	SNL0093565	LWDS-05-BH11	70	20-MAR-94	6010	19.5		1	21.5	D
Vanadium	SNL0093557	LWDS-05-BH11	70	20-MAR-94	6010	20		1	21.5	F
Vanadium	SNL0092233	LWDS-MW1	80	23-AUG-92	6010	10.7		1	21.5	F
Vanadium	SNL0092251	LWDS-MW1	89	23-AUG-92	6010	11.4		1	21.5	D
Vanadium	SNL0092242	LWDS-MW1	89	23-AUG-92	6010	9.7		1	21.5	F
Vanadium	SNL0092184	LWDS-MW1	102	24-AUG-92	6010	13.7		1	21.5	F
Vanadium	SNL0092192	LWDS-MW1	110	24-AUG-92	6010	16.7		1	21.5	F
Vanadium	SNL0092200	LWDS-MW1	110	24-AUG-92	6010	14		1	21.5	F
Vanadium	SNL0092331	LWDS-MW1	120	25-AUG-92	6010	14.5		1	21.5	F
Vanadium	SNL0092340	LWDS-MW1	130	25-AUG-92	6010	31.9		1	21.5	F

Table A-4: Metals analyses of soil samples from ER Site 5.

Analyte	Sample Number	Sample Location	Sample Depth (Ft)	Sample Date	Analytical Method	Amount Detected (mg/kg)	Qualifier	Method Detection Limit	NMED Approved Background (mg/kg)	Sample Type
Vanadium	SNL0092357	LWDS-MW1	143	02-SEP-92	6010	16		1	21.5	F
Vanadium	SNL0092365	LWDS-MW1	150	02-SEP-92	6010	22.4		1	21.5	F
Vanadium	SNL0092981	LWDS-MW1	176	06-APR-93	6010	16.5		1	21.5	F
Vanadium	SNL0092991	LWDS-MW1	202	08-APR-93	6010	15		1	21.5	F
Vanadium	SNL0093005	LWDS-MW1	226	13-APR-93	6010	20.1		1	21.5	F
Vanadium	SNL0093015	LWDS-MW1	250	14-APR-93	6010	16.3		1	21.5	F
Vanadium	SNL0093027	LWDS-MW1	274	15-APR-93	6010	17.1		1	21.5	F
Vanadium	SNL0093047	LWDS-MW1	315	17-APR-93	6010	17.8		1	21.5	F
Vanadium	SNL0093059	LWDS-MW1	346	19-APR-93	6010	18.6		1	21.5	F
Vanadium	SNL0093037	LWDS-MW1	346	19-APR-93	6010	18.6		1	21.5	D
Vanadium	SNL0093071	LWDS-MW1	390	21-APR-93	6010	16.9		1	21.5	F
Vanadium	SNL0093094	LWDS-MW1	444	27-APR-93	6010	18		1	21.5	F
Zinc	SNL0093116	LWDS-MW1	0	30-APR-93	6010	25.8		2	62	F
Zinc	SNL0093084	LWDS-MW1	0	21-APR-93	6010	27.6		2	62	F
Zinc	SNL0092260	LWDS-MW1	12	22-AUG-92	6010	16		2	62	F
Zinc	SNL0092269	LWDS-MW1	21	22-AUG-92	6010	23.2		2	62	F
Zinc	SNL0093468	LWDS-05-BH11	25	20-MAR-94	6010	31.8		2	62	F
Zinc	SNL0093378	LWDS-05-BH12	25	21-MAR-94	6010	20.8		2	62	F
Zinc	SNL0093288	LWDS-05-BH13	25	22-MAR-94	6010	28.6		2	62	F
Zinc	SNL0093674	LWDS-05-BH14	25	23-MAR-94	6010	20.5		2	62	F
Zinc	SNL0093476	LWDS-05-BH11	30	20-MAR-94	6010	18.4		2	62	F
Zinc	SNL0093386	LWDS-05-BH12	30	21-MAR-94	6010	16.2		2	62	F
Zinc	SNL0093296	LWDS-05-BH13	30	22-MAR-94	6010	20		2	62	F
Zinc	SNL0093678	LWDS-05-BH14	30	23-MAR-94	6010	19.5		2	62	F
Zinc	SNL0092278	LWDS-MW1	30	22-AUG-92	6010	19.4		2	62	F
Zinc	SNL0093394	LWDS-05-BH12	32.5	21-MAR-94	6010	25.1		2	62	F
Zinc	SNL0093304	LWDS-05-BH13	32.5	22-MAR-94	6010	27.4		2	62	F
Zinc	SNL0093682	LWDS-05-BH14	32.5	23-MAR-94	6010	16.4		2	62	F
Zinc	SNL0093485	LWDS-05-BH11	35	20-MAR-94	6010	23.9		2	62	F
Zinc	SNL0093402	LWDS-05-BH12	35	21-MAR-94	6010	18.3		2	62	F
Zinc	SNL0093312	LWDS-05-BH13	35	22-MAR-94	6010	30.2		2	62	F
Zinc	SNL0093686	LWDS-05-BH14	35	23-MAR-94	6010	23.8		10	62	F
Zinc	SNL0093583	LWDS-05-BH11	37.5	20-MAR-94	6010	22.6		2	62	F
Zinc	SNL0093410	LWDS-05-BH12	37.5	21-MAR-94	6010	67.3		2	62	F
Zinc	SNL0093320	LWDS-05-BH13	37.5	22-MAR-94	6010	21.1		2	62	F
Zinc	SNL0093690	LWDS-05-BH14	37.5	23-MAR-94	6010	18.8		2	62	F
Zinc	SNL0092287	LWDS-MW1	39	22-AUG-92	6010	22		2	62	F
Zinc	SNL0093493	LWDS-05-BH11	40	20-MAR-94	6010	24		2	62	F
Zinc	SNL0093418	LWDS-05-BH12	40	21-MAR-94	6010	36.3		2	62	F
Zinc	SNL0093328	LWDS-05-BH13	40	22-MAR-94	6010	17.5		2	62	F
Zinc	SNL0093623	LWDS-05-BH14	40	23-MAR-94	6010	22.3		2	62	F
Zinc	SNL0093501	LWDS-05-BH11	42.5	20-MAR-94	6010	18.9		2	62	F
Zinc	SNL0093509	LWDS-05-BH11	45	20-MAR-94	6010	24.1		2	62	F
Zinc	SNL0093426	LWDS-05-BH12	45	21-MAR-94	6010	17.5		2	62	F
Zinc	SNL0093336	LWDS-05-BH13	45	22-MAR-94	6010	30.1		2	62	F
Zinc	SNL0093627	LWDS-05-BH14	45	23-MAR-94	6010	19.4		2	62	F
Zinc	SNL0093517	LWDS-05-BH11	47.5	20-MAR-94	6010	21.6		2	62	F
Zinc	SNL0093525	LWDS-05-BH11	50	20-MAR-94	6010	21.9		2	62	F
Zinc	SNL0093434	LWDS-05-BH12	50	21-MAR-94	6010	18.4		2	62	F
Zinc	SNL0093352	LWDS-05-BH13	50	22-MAR-94	6010	22.4		2	62	F
Zinc	SNL0093344	LWDS-05-BH13	50	22-MAR-94	6010	22.4		2	62	F
Zinc	SNL0093631	LWDS-05-BH14	50	23-MAR-94	6010	16.9		2	62	F
Zinc	SNL0092305	LWDS-MW1	50	22-AUG-92	6010	11.7		2	62	D
Zinc	SNL0092296	LWDS-MW1	50	22-AUG-92	6010	11.4		2	62	F
Zinc	SNL0093533	LWDS-05-BH11	55	20-MAR-94	6010	14.2		2	62	F
Zinc	SNL0093450	LWDS-05-BH12	55	21-MAR-94	6010	22.7		2	62	D
Zinc	SNL0093442	LWDS-05-BH12	55	21-MAR-94	6010	11.6		2	62	F
Zinc	SNL0093360	LWDS-05-BH13	55	22-MAR-94	6010	10.9		4	62	F
Zinc	SNL0093635	LWDS-05-BH14	55	23-MAR-94	6010	11		2	62	F
Zinc	SNL0093541	LWDS-05-BH11	60	20-MAR-94	6010	20.8		2	62	F
Zinc	SNL0093639	LWDS-05-BH14	60	23-MAR-94	6010	16.2		2	62	F
Zinc	SNL0093643	LWDS-05-BH14	60	23-MAR-94	6010	24.6		2	62	D
Zinc	SNL0092314	LWDS-MW1	60	22-AUG-92	6010	20.2		2	62	F
Zinc	SNL0093549	LWDS-05-BH11	65	20-MAR-94	6010	14		2	62	F
Zinc	SNL0092224	LWDS-MW1	68	23-AUG-92	6010	21.2		2	62	F
Zinc	SNL0093565	LWDS-05-BH11	70	20-MAR-94	6010	24.2		2	62	D

Table A-4: Metals analyses of soil samples from ER Site 5.

Analyte	Sample Number	Sample Location	Sample Depth (Ft)	Sample Date	Analytical Method	Amount Detected (mg/kg)	Qualifier	Method Detection Limit	NMED Approved Background (mg/kg)	Sample Type
Zinc	SNL0093557	LWDS-05-BH11	70	20-MAR-94	6010	24.9		2	62	F
Zinc	SNL0092233	LWDS-MW1	80	23-AUG-92	6010	15.2		2	62	F
Zinc	SNL0092251	LWDS-MW1	89	23-AUG-92	6010	15.5		2	62	D
Zinc	SNL0092242	LWDS-MW1	89	23-AUG-92	6010	13.5		2	62	F
Zinc	SNL0092184	LWDS-MW1	102	24-AUG-92	6010	27.3		2	62	F
Zinc	SNL0092200	LWDS-MW1	110	24-AUG-92	6010	24.3		2	62	F
Zinc	SNL0092192	LWDS-MW1	110	24-AUG-92	6010	24.6		2	62	F
Zinc	SNL0092331	LWDS-MW1	120	25-AUG-92	6010	23.1		2	62	F
Zinc	SNL0092340	LWDS-MW1	130	25-AUG-92	6010	49.1		2	62	F
Zinc	SNL0092357	LWDS-MW1	143	02-SEP-92	6010	34.2		2	62	F
Zinc	SNL0092365	LWDS-MW1	150	02-SEP-92	6010	24.3		2	62	F
Zinc	SNL0092981	LWDS-MW1	176	06-APR-93	6010	25.3		2	62	F
Zinc	SNL0092991	LWDS-MW1	202	08-APR-93	6010	21.6		2	62	F
Zinc	SNL0093005	LWDS-MW1	226	13-APR-93	6010	30.1		2	62	F
Zinc	SNL0093015	LWDS-MW1	250	14-APR-93	6010	21.2		2	62	F
Zinc	SNL0093027	LWDS-MW1	274	15-APR-93	6010	23.4		2	62	F
Zinc	SNL0093047	LWDS-MW1	315	17-APR-93	6010	28.6		2	62	F
Zinc	SNL0093059	LWDS-MW1	346	19-APR-93	6010	26.1		2	62	F
Zinc	SNL0093037	LWDS-MW1	346	19-APR-93	6010	25.8		2	62	D
Zinc	SNL0093071	LWDS-MW1	390	21-APR-93	6010	24.3		2	62	F
Zinc	SNL0093094	LWDS-MW1	444	27-APR-93	6010	27.4		2	62	F

Table A-5: Organics analyses of soil samples from ER Site 5.

Analyte	Sample Number	Sample Location	Sample Depth (Ft)	Sample Date	Analytical Method	Amount Detected (ug/kg)	Qualifier	Method Detection Limit	Sample Type
2,4-Dinitrotoluene	SNL0093720	LWDS-05-BH13	0	29-MAR-94	8270	330	U	330	F
2,4-Dinitrotoluene	SNL0093091	LWDS-MW1	0	21-APR-93	8270	330	U	330	F
2,4-Dinitrotoluene	SNL0093123	LWDS-MW1	0	30-APR-93	8270	330	U	330	F
2,4-Dinitrotoluene	SNL0091259	LWDS-MW1	12	22-AUG-92	8270	330	U	330	F
2,4-Dinitrotoluene	SNL0091261	LWDS-MW1	21	22-AUG-92	8270	330	U	330	F
2,4-Dinitrotoluene	SNL0093474	LWDS-05-BH11	25	20-MAR-94	8270	330	U	330	F
2,4-Dinitrotoluene	SNL0093384	LWDS-05-BH12	25	21-MAR-94	8270	330	U	330	F
2,4-Dinitrotoluene	SNL0093294	LWDS-05-BH13	25	22-MAR-94	8270	330	U	330	F
2,4-Dinitrotoluene	SNL0093676	LWDS-05-BH14	25	23-MAR-94	8270	330	U	330	F
2,4-Dinitrotoluene	SNL0093482	LWDS-05-BH11	30	20-MAR-94	8270	330	U	330	F
2,4-Dinitrotoluene	SNL0093392	LWDS-05-BH12	30	21-MAR-94	8270	330	U	330	F
2,4-Dinitrotoluene	SNL0093302	LWDS-05-BH13	30	22-MAR-94	8270	330	U	330	F
2,4-Dinitrotoluene	SNL0093680	LWDS-05-BH14	30	23-MAR-94	8270	330	U	330	F
2,4-Dinitrotoluene	SNL0091263	LWDS-MW1	30	22-AUG-92	8270	330	U	330	F
2,4-Dinitrotoluene	SNL0093400	LWDS-05-BH12	32.5	21-MAR-94	8270	330	U	330	F
2,4-Dinitrotoluene	SNL0093310	LWDS-05-BH13	32.5	22-MAR-94	8270	330	U	330	F
2,4-Dinitrotoluene	SNL0093684	LWDS-05-BH14	32.5	23-MAR-94	8270	330	U	330	F
2,4-Dinitrotoluene	SNL0093491	LWDS-05-BH11	35	20-MAR-94	8270	330	U	330	F
2,4-Dinitrotoluene	SNL0093408	LWDS-05-BH12	35	21-MAR-94	8270	330	U	330	F
2,4-Dinitrotoluene	SNL0093318	LWDS-05-BH13	35	22-MAR-94	8270	330	U	330	F
2,4-Dinitrotoluene	SNL0093688	LWDS-05-BH14	35	23-MAR-94	8270	330	U	330	F
2,4-Dinitrotoluene	SNL0093589	LWDS-05-BH11	37.5	20-MAR-94	8270	330	U	330	F
2,4-Dinitrotoluene	SNL0093416	LWDS-05-BH12	37.5	21-MAR-94	8270	330	U	330	F
2,4-Dinitrotoluene	SNL0093326	LWDS-05-BH13	37.5	22-MAR-94	8270	330	U	330	F
2,4-Dinitrotoluene	SNL0093692	LWDS-05-BH14	37.5	23-MAR-94	8270	330	U	330	F
2,4-Dinitrotoluene	SNL0091265	LWDS-MW1	39	22-AUG-92	8270	330	U	330	F
2,4-Dinitrotoluene	SNL0093499	LWDS-05-BH11	40	20-MAR-94	8270	330	U	330	F
2,4-Dinitrotoluene	SNL0093424	LWDS-05-BH12	40	21-MAR-94	8270	330	U	330	F
2,4-Dinitrotoluene	SNL0093334	LWDS-05-BH13	40	22-MAR-94	8270	330	U	330	F
2,4-Dinitrotoluene	SNL0093625	LWDS-05-BH14	40	23-MAR-94	8270	330	U	330	F
2,4-Dinitrotoluene	SNL0093507	LWDS-05-BH11	42.5	20-MAR-94	8270	330	U	330	F
2,4-Dinitrotoluene	SNL0093515	LWDS-05-BH11	45	20-MAR-94	8270	330	U	330	F
2,4-Dinitrotoluene	SNL0093432	LWDS-05-BH12	45	21-MAR-94	8270	330	U	330	F
2,4-Dinitrotoluene	SNL0093342	LWDS-05-BH13	45	22-MAR-94	8270	330	U	330	F
2,4-Dinitrotoluene	SNL0093629	LWDS-05-BH14	45	23-MAR-94	8270	330	U	330	F
2,4-Dinitrotoluene	SNL0093523	LWDS-05-BH11	47.5	20-MAR-94	8270	330	U	330	F
2,4-Dinitrotoluene	SNL0093531	LWDS-05-BH11	50	20-MAR-94	8270	330	U	330	F
2,4-Dinitrotoluene	SNL0093440	LWDS-05-BH12	50	21-MAR-94	8270	330	U	330	F
2,4-Dinitrotoluene	SNL0093350	LWDS-05-BH13	50	22-MAR-94	8270	330	U	330	F
2,4-Dinitrotoluene	SNL0093358	LWDS-05-BH13	50	22-MAR-94	8270	330	U	330	F
2,4-Dinitrotoluene	SNL0093633	LWDS-05-BH14	50	23-MAR-94	8270	330	U	330	F
2,4-Dinitrotoluene	SNL0091269	LWDS-MW1	50	22-AUG-92	8270	330	U	330	D
2,4-Dinitrotoluene	SNL0091267	LWDS-MW1	50	22-AUG-92	8270	330	U	330	F
2,4-Dinitrotoluene	SNL0093539	LWDS-05-BH11	55	20-MAR-94	8270	330	U	330	F
2,4-Dinitrotoluene	SNL0093456	LWDS-05-BH12	55	21-MAR-94	8270	330	U	330	D
2,4-Dinitrotoluene	SNL0093448	LWDS-05-BH12	55	21-MAR-94	8270	330	U	330	F
2,4-Dinitrotoluene	SNL0093366	LWDS-05-BH13	55	22-MAR-94	8270	330	U	330	F
2,4-Dinitrotoluene	SNL0093637	LWDS-05-BH14	55	23-MAR-94	8270	330	U	330	F
2,4-Dinitrotoluene	SNL0093547	LWDS-05-BH11	60	20-MAR-94	8270	330	U	330	F
2,4-Dinitrotoluene	SNL0093645	LWDS-05-BH14	60	23-MAR-94	8270	330	U	330	D
2,4-Dinitrotoluene	SNL0093641	LWDS-05-BH14	60	23-MAR-94	8270	330	U	330	F
2,4-Dinitrotoluene	SNL0091271	LWDS-MW1	60	22-AUG-92	8270	330	U	330	F
2,4-Dinitrotoluene	SNL0093555	LWDS-05-BH11	65	20-MAR-94	8270	330	U	330	F
2,4-Dinitrotoluene	SNL0091278	LWDS-MW1	68	23-AUG-92	8270	330	U	330	F
2,4-Dinitrotoluene	SNL0093571	LWDS-05-BH11	70	20-MAR-94	8270	330	U	330	D
2,4-Dinitrotoluene	SNL0093563	LWDS-05-BH11	70	20-MAR-94	8270	330	U	330	F
2,4-Dinitrotoluene	SNL0091280	LWDS-MW1	80	23-AUG-92	8270	330	U	330	F
2,4-Dinitrotoluene	SNL0091284	LWDS-MW1	89	23-AUG-92	8270	330	U	330	D
2,4-Dinitrotoluene	SNL0091282	LWDS-MW1	89	23-AUG-92	8270	330	U	330	F
2,4-Dinitrotoluene	SNL0091286	LWDS-MW1	102	24-AUG-92	8270	330	U	330	F
2,4-Dinitrotoluene	SNL0091290	LWDS-MW1	110	24-AUG-92	8270	330	U	330	F
2,4-Dinitrotoluene	SNL0091288	LWDS-MW1	110	24-AUG-92	8270	330	U	330	F
2,4-Dinitrotoluene	SNL0091295	LWDS-MW1	120	25-AUG-92	8270	330	U	330	F
2,4-Dinitrotoluene	SNL0091297	LWDS-MW1	130	25-AUG-92	8270	330	U	330	F
2,4-Dinitrotoluene	SNL0091583	LWDS-MW1	143	02-SEP-92	8270	330	U	330	F
2,4-Dinitrotoluene	SNL0091585	LWDS-MW1	150	02-SEP-92	8270	330	U	330	F
2,4-Dinitrotoluene	SNL0092988	LWDS-MW1	176	06-APR-93	8270	330	U	330	F

Table A-5: Organics analyses of soil samples from ER Site 5.

Analyte	Sample Number	Sample Location	Sample Depth (Ft)	Sample Date	Analytical Method	Amount Detected (ug/kg)	Qualifier	Method Detection Limit	Sample Type
2,4-Dinitrotoluene	SNL0092998	LWDS-MW1	202	08-APR-93	8270	330	U	330	F
2,4-Dinitrotoluene	SNL0093012	LWDS-MW1	226	13-APR-93	8270	330	U	330	F
2,4-Dinitrotoluene	SNL0093022	LWDS-MW1	250	14-APR-93	8270	330	U	330	F
2,4-Dinitrotoluene	SNL0093034	LWDS-MW1	274	15-APR-93	8270	330	U	330	F
2,4-Dinitrotoluene	SNL0093054	LWDS-MW1	315	17-APR-93	8270	330	U	330	F
2,4-Dinitrotoluene	SNL0093066	LWDS-MW1	346	19-APR-93	8270	330	U	330	F
2,4-Dinitrotoluene	SNL0093044	LWDS-MW1	346	19-APR-93	8270	330	U	330	D
2,4-Dinitrotoluene	SNL0093078	LWDS-MW1	390	21-APR-93	8270	330	U	330	F
2,4-Dinitrotoluene	SNL0093101	LWDS-MW1	444	27-APR-93	8270	330	U	330	F
Acenaphthene	SNL0093720	LWDS-05-BH13	0	29-MAR-94	8270	330	U	330	F
Acenaphthene	SNL0093091	LWDS-MW1	0	21-APR-93	8270	330	U	330	F
Acenaphthene	SNL0093123	LWDS-MW1	0	30-APR-93	8270	330	U	330	F
Acenaphthene	SNL0091259	LWDS-MW1	12	22-AUG-92	8270	330	U	330	F
Acenaphthene	SNL0091261	LWDS-MW1	21	22-AUG-92	8270	330	U	330	F
Acenaphthene	SNL0093474	LWDS-05-BH11	25	20-MAR-94	8270	330	U	330	F
Acenaphthene	SNL0093384	LWDS-05-BH12	25	21-MAR-94	8270	330	U	330	F
Acenaphthene	SNL0093294	LWDS-05-BH13	25	22-MAR-94	8270	330	U	330	F
Acenaphthene	SNL0093676	LWDS-05-BH14	25	23-MAR-94	8270	330	U	330	F
Acenaphthene	SNL0093482	LWDS-05-BH11	30	20-MAR-94	8270	330	U	330	F
Acenaphthene	SNL0093392	LWDS-05-BH12	30	21-MAR-94	8270	330	U	330	F
Acenaphthene	SNL0093302	LWDS-05-BH13	30	22-MAR-94	8270	330	U	330	F
Acenaphthene	SNL0093680	LWDS-05-BH14	30	23-MAR-94	8270	330	U	330	F
Acenaphthene	SNL0091263	LWDS-MW1	30	22-AUG-92	8270	330	U	330	F
Acenaphthene	SNL0093400	LWDS-05-BH12	32.5	21-MAR-94	8270	330	U	330	F
Acenaphthene	SNL0093310	LWDS-05-BH13	32.5	22-MAR-94	8270	330	U	330	F
Acenaphthene	SNL0093684	LWDS-05-BH14	32.5	23-MAR-94	8270	330	U	330	F
Acenaphthene	SNL0093491	LWDS-05-BH11	35	20-MAR-94	8270	330	U	330	F
Acenaphthene	SNL0093408	LWDS-05-BH12	35	21-MAR-94	8270	330	U	330	F
Acenaphthene	SNL0093318	LWDS-05-BH13	35	22-MAR-94	8270	330	U	330	F
Acenaphthene	SNL0093688	LWDS-05-BH14	35	23-MAR-94	8270	330	U	330	F
Acenaphthene	SNL0093589	LWDS-05-BH11	37.5	20-MAR-94	8270	330	U	330	F
Acenaphthene	SNL0093416	LWDS-05-BH12	37.5	21-MAR-94	8270	330	U	330	F
Acenaphthene	SNL0093326	LWDS-05-BH13	37.5	22-MAR-94	8270	330	U	330	F
Acenaphthene	SNL0093692	LWDS-05-BH14	37.5	23-MAR-94	8270	330	U	330	F
Acenaphthene	SNL0091265	LWDS-MW1	39	22-AUG-92	8270	330	U	330	F
Acenaphthene	SNL0093499	LWDS-05-BH11	40	20-MAR-94	8270	330	U	330	F
Acenaphthene	SNL0093424	LWDS-05-BH12	40	21-MAR-94	8270	330	U	330	F
Acenaphthene	SNL0093334	LWDS-05-BH13	40	22-MAR-94	8270	330	U	330	F
Acenaphthene	SNL0093625	LWDS-05-BH14	40	23-MAR-94	8270	330	U	330	F
Acenaphthene	SNL0093507	LWDS-05-BH11	42.5	20-MAR-94	8270	330	U	330	F
Acenaphthene	SNL0093515	LWDS-05-BH11	45	20-MAR-94	8270	330	U	330	F
Acenaphthene	SNL0093432	LWDS-05-BH12	45	21-MAR-94	8270	330	U	330	F
Acenaphthene	SNL0093342	LWDS-05-BH13	45	22-MAR-94	8270	330	U	330	F
Acenaphthene	SNL0093629	LWDS-05-BH14	45	23-MAR-94	8270	330	U	330	F
Acenaphthene	SNL0093523	LWDS-05-BH11	47.5	20-MAR-94	8270	330	U	330	F
Acenaphthene	SNL0093531	LWDS-05-BH11	50	20-MAR-94	8270	330	U	330	F
Acenaphthene	SNL0093440	LWDS-05-BH12	50	21-MAR-94	8270	330	U	330	F
Acenaphthene	SNL0093350	LWDS-05-BH13	50	22-MAR-94	8270	330	U	330	F
Acenaphthene	SNL0093358	LWDS-05-BH13	50	22-MAR-94	8270	330	U	330	F
Acenaphthene	SNL0093633	LWDS-05-BH14	50	23-MAR-94	8270	330	U	330	F
Acenaphthene	SNL0091269	LWDS-MW1	50	22-AUG-92	8270	330	U	330	D
Acenaphthene	SNL0091267	LWDS-MW1	50	22-AUG-92	8270	330	U	330	F
Acenaphthene	SNL0093539	LWDS-05-BH11	55	20-MAR-94	8270	330	U	330	F
Acenaphthene	SNL0093456	LWDS-05-BH12	55	21-MAR-94	8270	330	U	330	D
Acenaphthene	SNL0093448	LWDS-05-BH12	55	21-MAR-94	8270	330	U	330	F
Acenaphthene	SNL0093366	LWDS-05-BH13	55	22-MAR-94	8270	330	U	330	F
Acenaphthene	SNL0093637	LWDS-05-BH14	55	23-MAR-94	8270	330	U	330	F
Acenaphthene	SNL0093547	LWDS-05-BH11	60	20-MAR-94	8270	330	U	330	F
Acenaphthene	SNL0093645	LWDS-05-BH14	60	23-MAR-94	8270	330	U	330	D
Acenaphthene	SNL0093641	LWDS-05-BH14	60	23-MAR-94	8270	330	U	330	F
Acenaphthene	SNL0091271	LWDS-MW1	60	22-AUG-92	8270	330	U	330	F
Acenaphthene	SNL0093555	LWDS-05-BH11	65	20-MAR-94	8270	330	U	330	F
Acenaphthene	SNL0091278	LWDS-MW1	68	23-AUG-92	8270	330	U	330	F
Acenaphthene	SNL0093571	LWDS-05-BH11	70	20-MAR-94	8270	330	U	330	D
Acenaphthene	SNL0093563	LWDS-05-BH11	70	20-MAR-94	8270	330	U	330	F
Acenaphthene	SNL0091280	LWDS-MW1	80	23-AUG-92	8270	330	U	330	F
Acenaphthene	SNL0091284	LWDS-MW1	89	23-AUG-92	8270	330	U	330	D

Table A-5: Organics analyses of soil samples from ER Site 5.

Analyte	Sample Number	Sample Location	Sample Depth (Ft)	Sample Date	Analytical Method	Amount Detected (ug/kg)	Qualifier	Method Detection Limit	Sample Type
Acenaphthene	SNL0091282	LWDS-MW1	89	23-AUG-92	8270	330	U	330	F
Acenaphthene	SNL0091286	LWDS-MW1	102	24-AUG-92	8270	330	U	330	F
Acenaphthene	SNL0091290	LWDS-MW1	110	24-AUG-92	8270	330	U	330	F
Acenaphthene	SNL0091288	LWDS-MW1	110	24-AUG-92	8270	330	U	330	F
Acenaphthene	SNL0091295	LWDS-MW1	120	25-AUG-92	8270	330	U	330	F
Acenaphthene	SNL0091297	LWDS-MW1	130	25-AUG-92	8270	330	U	330	F
Acenaphthene	SNL0091583	LWDS-MW1	143	02-SEP-92	8270	330	U	330	F
Acenaphthene	SNL0091585	LWDS-MW1	150	02-SEP-92	8270	330	U	330	F
Acenaphthene	SNL0092988	LWDS-MW1	176	06-APR-93	8270	330	U	330	F
Acenaphthene	SNL0092998	LWDS-MW1	202	08-APR-93	8270	330	U	330	F
Acenaphthene	SNL0093012	LWDS-MW1	226	13-APR-93	8270	330	U	330	F
Acenaphthene	SNL0093022	LWDS-MW1	250	14-APR-93	8270	330	U	330	F
Acenaphthene	SNL0093034	LWDS-MW1	274	15-APR-93	8270	330	U	330	F
Acenaphthene	SNL0093054	LWDS-MW1	315	17-APR-93	8270	330	U	330	F
Acenaphthene	SNL0093066	LWDS-MW1	346	19-APR-93	8270	330	U	330	F
Acenaphthene	SNL0093044	LWDS-MW1	346	19-APR-93	8270	330	U	330	D
Acenaphthene	SNL0093078	LWDS-MW1	390	21-APR-93	8270	330	U	330	F
Acenaphthene	SNL0093101	LWDS-MW1	444	27-APR-93	8270	330	U	330	F
Acenaphthylene	SNL0093720	LWDS-05-BH13	0	29-MAR-94	8270	330	U	330	F
Acenaphthylene	SNL0093123	LWDS-MW1	0	30-APR-93	8270	330	U	330	F
Acenaphthylene	SNL0093091	LWDS-MW1	0	21-APR-93	8270	330	U	330	F
Acenaphthylene	SNL0091259	LWDS-MW1	12	22-AUG-92	8270	330	U	330	F
Acenaphthylene	SNL0091261	LWDS-MW1	21	22-AUG-92	8270	330	U	330	F
Acenaphthylene	SNL0093474	LWDS-05-BH11	25	20-MAR-94	8270	330	U	330	F
Acenaphthylene	SNL0093384	LWDS-05-BH12	25	21-MAR-94	8270	330	U	330	F
Acenaphthylene	SNL0093294	LWDS-05-BH13	25	22-MAR-94	8270	330	U	330	F
Acenaphthylene	SNL0093676	LWDS-05-BH14	25	23-MAR-94	8270	330	U	330	F
Acenaphthylene	SNL0093482	LWDS-05-BH11	30	20-MAR-94	8270	330	U	330	F
Acenaphthylene	SNL0093392	LWDS-05-BH12	30	21-MAR-94	8270	330	U	330	F
Acenaphthylene	SNL0093302	LWDS-05-BH13	30	22-MAR-94	8270	330	U	330	F
Acenaphthylene	SNL0093680	LWDS-05-BH14	30	23-MAR-94	8270	330	U	330	F
Acenaphthylene	SNL0091263	LWDS-MW1	30	22-AUG-92	8270	330	U	330	F
Acenaphthylene	SNL0093400	LWDS-05-BH12	32.5	21-MAR-94	8270	330	U	330	F
Acenaphthylene	SNL0093310	LWDS-05-BH13	32.5	22-MAR-94	8270	330	U	330	F
Acenaphthylene	SNL0093684	LWDS-05-BH14	32.5	23-MAR-94	8270	330	U	330	F
Acenaphthylene	SNL0093491	LWDS-05-BH11	35	20-MAR-94	8270	330	U	330	F
Acenaphthylene	SNL0093408	LWDS-05-BH12	35	21-MAR-94	8270	330	U	330	F
Acenaphthylene	SNL0093318	LWDS-05-BH13	35	22-MAR-94	8270	330	U	330	F
Acenaphthylene	SNL0093688	LWDS-05-BH14	35	23-MAR-94	8270	330	U	330	F
Acenaphthylene	SNL0093589	LWDS-05-BH11	37.5	20-MAR-94	8270	330	U	330	F
Acenaphthylene	SNL0093416	LWDS-05-BH12	37.5	21-MAR-94	8270	330	U	330	F
Acenaphthylene	SNL0093326	LWDS-05-BH13	37.5	22-MAR-94	8270	330	U	330	F
Acenaphthylene	SNL0093692	LWDS-05-BH14	37.5	23-MAR-94	8270	330	U	330	F
Acenaphthylene	SNL0091265	LWDS-MW1	39	22-AUG-92	8270	330	U	330	F
Acenaphthylene	SNL0093499	LWDS-05-BH11	40	20-MAR-94	8270	330	U	330	F
Acenaphthylene	SNL0093424	LWDS-05-BH12	40	21-MAR-94	8270	330	U	330	F
Acenaphthylene	SNL0093334	LWDS-05-BH13	40	22-MAR-94	8270	330	U	330	F
Acenaphthylene	SNL0093625	LWDS-05-BH14	40	23-MAR-94	8270	330	U	330	F
Acenaphthylene	SNL0093507	LWDS-05-BH11	42.5	20-MAR-94	8270	330	U	330	F
Acenaphthylene	SNL0093515	LWDS-05-BH11	45	20-MAR-94	8270	330	U	330	F
Acenaphthylene	SNL0093432	LWDS-05-BH12	45	21-MAR-94	8270	330	U	330	F
Acenaphthylene	SNL0093342	LWDS-05-BH13	45	22-MAR-94	8270	330	U	330	F
Acenaphthylene	SNL0093629	LWDS-05-BH14	45	23-MAR-94	8270	330	U	330	F
Acenaphthylene	SNL0093523	LWDS-05-BH11	47.5	20-MAR-94	8270	330	U	330	F
Acenaphthylene	SNL0093531	LWDS-05-BH11	50	20-MAR-94	8270	330	U	330	F
Acenaphthylene	SNL0093440	LWDS-05-BH12	50	21-MAR-94	8270	330	U	330	F
Acenaphthylene	SNL0093350	LWDS-05-BH13	50	22-MAR-94	8270	330	U	330	F
Acenaphthylene	SNL0093358	LWDS-05-BH13	50	22-MAR-94	8270	330	U	330	F
Acenaphthylene	SNL0093533	LWDS-05-BH14	50	23-MAR-94	8270	330	U	330	F
Acenaphthylene	SNL0091269	LWDS-MW1	50	22-AUG-92	8270	330	U	330	D
Acenaphthylene	SNL0091267	LWDS-MW1	50	22-AUG-92	8270	330	U	330	F
Acenaphthylene	SNL0093539	LWDS-05-BH11	55	20-MAR-94	8270	330	U	330	F
Acenaphthylene	SNL0093456	LWDS-05-BH12	55	21-MAR-94	8270	330	U	330	D
Acenaphthylene	SNL0093448	LWDS-05-BH12	55	21-MAR-94	8270	330	U	330	F
Acenaphthylene	SNL0093366	LWDS-05-BH13	55	22-MAR-94	8270	330	U	330	F
Acenaphthylene	SNL0093637	LWDS-05-BH14	55	23-MAR-94	8270	330	U	330	F
Acenaphthylene	SNL0093547	LWDS-05-BH11	60	20-MAR-94	8270	330	U	330	F

Table A-5: Organics analyses of soil samples from ER Site 5.

Analyte	Sample Number	Sample Location	Sample Depth (Ft)	Sample Date	Analytical Method	Amount Detected (ug/kg)	Qualifier	Method Detection Limit	Sample Type
Acenaphthylene	SNL0093645	LWDS-05-BH14	60	23-MAR-94	8270	330	U	330	D
Acenaphthylene	SNL0093641	LWDS-05-BH14	60	23-MAR-94	8270	330	U	330	F
Acenaphthylene	SNL0091271	LWDS-MW1	60	22-AUG-92	8270	330	U	330	F
Acenaphthylene	SNL0093555	LWDS-05-BH11	65	20-MAR-94	8270	330	U	330	F
Acenaphthylene	SNL0091278	LWDS-MW1	68	23-AUG-92	8270	330	U	330	F
Acenaphthylene	SNL0093571	LWDS-05-BH11	70	20-MAR-94	8270	330	U	330	D
Acenaphthylene	SNL0093563	LWDS-05-BH11	70	20-MAR-94	8270	330	U	330	F
Acenaphthylene	SNL0091280	LWDS-MW1	80	23-AUG-92	8270	330	U	330	F
Acenaphthylene	SNL0091284	LWDS-MW1	89	23-AUG-92	8270	330	U	330	D
Acenaphthylene	SNL0091282	LWDS-MW1	89	23-AUG-92	8270	330	U	330	F
Acenaphthylene	SNL0091286	LWDS-MW1	102	24-AUG-92	8270	330	U	330	F
Acenaphthylene	SNL0091288	LWDS-MW1	110	24-AUG-92	8270	330	U	330	F
Acenaphthylene	SNL0091290	LWDS-MW1	110	24-AUG-92	8270	330	U	330	F
Acenaphthylene	SNL0091295	LWDS-MW1	120	25-AUG-92	8270	330	U	330	F
Acenaphthylene	SNL0091297	LWDS-MW1	130	25-AUG-92	8270	330	U	330	F
Acenaphthylene	SNL0091583	LWDS-MW1	143	02-SEP-92	8270	330	U	330	F
Acenaphthylene	SNL0091585	LWDS-MW1	150	02-SEP-92	8270	330	U	330	F
Acenaphthylene	SNL0092988	LWDS-MW1	176	06-APR-93	8270	330	U	330	F
Acenaphthylene	SNL0092998	LWDS-MW1	202	08-APR-93	8270	330	U	330	F
Acenaphthylene	SNL0093012	LWDS-MW1	226	13-APR-93	8270	330	U	330	F
Acenaphthylene	SNL0093022	LWDS-MW1	250	14-APR-93	8270	330	U	330	F
Acenaphthylene	SNL0093034	LWDS-MW1	274	15-APR-93	8270	330	U	330	F
Acenaphthylene	SNL0093054	LWDS-MW1	315	17-APR-93	8270	330	U	330	F
Acenaphthylene	SNL0093066	LWDS-MW1	346	19-APR-93	8270	330	U	330	F
Acenaphthylene	SNL0093044	LWDS-MW1	346	19-APR-93	8270	330	U	330	D
Acenaphthylene	SNL0093078	LWDS-MW1	390	21-APR-93	8270	330	U	330	F
Acenaphthylene	SNL0093101	LWDS-MW1	444	27-APR-93	8270	330	U	330	F
Acetone	SNL0093572	LWDS-05-BH11	0	20-MAR-94	8240	6.8	J	10	TB
Acetone	SNL0093466	LWDS-05-BH12	0	21-MAR-94	8240	5.9	J	10	TB
Acetone	SNL0093375	LWDS-05-BH13	0	22-MAR-94	8240	6.6	J	10	TB
Acetone	SNL0093717	LWDS-05-BH13	0	29-MAR-94	8240	10	U	10	F
Acetone	SNL0093655	LWDS-05-BH14	0	23-MAR-94	8240	10	U	10	TB
Acetone	SNL0093115	LWDS-MW1	0	30-APR-93	8240	10	U	10	F
Acetone	SNL0093083	LWDS-MW1	0	21-APR-93	8240	10	U	10	F
Acetone	SNL0091258	LWDS-MW1	12	22-AUG-92	8240	10	U	10	F
Acetone	SNL0091260	LWDS-MW1	21	22-AUG-92	8240	10	U	10	F
Acetone	SNL0093467	LWDS-05-BH11	25	20-MAR-94	8240	14		10	F
Acetone	SNL0093377	LWDS-05-BH12	25	21-MAR-94	8240	20		10	F
Acetone	SNL0093287	LWDS-05-BH13	25	22-MAR-94	8240	10	B	10	F
Acetone	SNL0093673	LWDS-05-BH14	25	23-MAR-94	8240	10	U	10	F
Acetone	SNL0093475	LWDS-05-BH11	30	20-MAR-94	8240	20		10	F
Acetone	SNL0093385	LWDS-05-BH12	30	21-MAR-94	8240	40		10	F
Acetone	SNL0093295	LWDS-05-BH13	30	22-MAR-94	8240	8.9	BJ	10	F
Acetone	SNL0093677	LWDS-05-BH14	30	23-MAR-94	8240	11		10	F
Acetone	SNL0091262	LWDS-MW1	30	22-AUG-92	8240	29	B	10	F
Acetone	SNL0093483	LWDS-05-BH11	32.5	20-MAR-94	8240	12		10	F
Acetone	SNL0093393	LWDS-05-BH12	32.5	21-MAR-94	8240	55		10	F
Acetone	SNL0093303	LWDS-05-BH13	32.5	22-MAR-94	8240	9.5	J	10	F
Acetone	SNL0093681	LWDS-05-BH14	32.5	23-MAR-94	8240	10	U	10	F
Acetone	SNL0093484	LWDS-05-BH11	35	20-MAR-94	8240	10	U	10	F
Acetone	SNL0093401	LWDS-05-BH12	35	21-MAR-94	8240	71		10	F
Acetone	SNL0093311	LWDS-05-BH13	35	22-MAR-94	8240	34		10	F
Acetone	SNL0093685	LWDS-05-BH14	35	23-MAR-94	8240	12		10	F
Acetone	SNL0093582	LWDS-05-BH11	37.5	20-MAR-94	8240	6	J	10	F
Acetone	SNL0093409	LWDS-05-BH12	37.5	21-MAR-94	8240	56		10	F
Acetone	SNL0093319	LWDS-05-BH13	37.5	22-MAR-94	8240	12		10	F
Acetone	SNL0093689	LWDS-05-BH14	37.5	23-MAR-94	8240	33		10	F
Acetone	SNL0091264	LWDS-MW1	39	22-AUG-92	8240	10	U	10	F
Acetone	SNL0093492	LWDS-05-BH11	40	20-MAR-94	8240	23		10	F
Acetone	SNL0093417	LWDS-05-BH12	40	21-MAR-94	8240	96		10	F
Acetone	SNL0093327	LWDS-05-BH13	40	22-MAR-94	8240	13	B	10	F
Acetone	SNL0093693	LWDS-05-BH14	40	23-MAR-94	8240	13		10	F
Acetone	SNL0093500	LWDS-05-BH11	42.5	20-MAR-94	8240	11		10	F
Acetone	SNL0093508	LWDS-05-BH11	45	20-MAR-94	8240	10		10	F
Acetone	SNL0093425	LWDS-05-BH12	45	21-MAR-94	8240	32		10	F
Acetone	SNL0093335	LWDS-05-BH13	45	22-MAR-94	8240	130	B	10	F
Acetone	SNL0093626	LWDS-05-BH14	45	23-MAR-94	8240	13		10	F

Table A-5: Organics analyses of soil samples from ER Site 5.

Analyte	Sample Number	Sample Location	Sample Depth (Ft)	Sample Date	Analytical Method	Amount Detected (ug/kg)	Qualifier	Method Detection Limit	Sample Type
Acetone	SNL0093516	LWDS-05-BH11	47.5	20-MAR-94	8240	6.4	J	10	F
Acetone	SNL0093524	LWDS-05-BH11	50	20-MAR-94	8240	8.7	J	10	F
Acetone	SNL0093433	LWDS-05-BH12	50	21-MAR-94	8240	13		10	F
Acetone	SNL0093351	LWDS-05-BH13	50	22-MAR-94	8240	23		10	D
Acetone	SNL0093343	LWDS-05-BH13	50	22-MAR-94	8240	10		10	F
Acetone	SNL0093630	LWDS-05-BH14	50	23-MAR-94	8240	11		10	F
Acetone	SNL0091268	LWDS-MW1	50	22-AUG-92	8240	10	U	10	D
Acetone	SNL0091266	LWDS-MW1	50	22-AUG-92	8240	10	U	10	F
Acetone	SNL0093532	LWDS-05-BH11	55	20-MAR-94	8240	6.9	J	10	F
Acetone	SNL0093449	LWDS-05-BH12	55	21-MAR-94	8240	25		10	D
Acetone	SNL0093441	LWDS-05-BH12	55	21-MAR-94	8240	23		10	F
Acetone	SNL0093359	LWDS-05-BH13	55	22-MAR-94	8240	19	B	10	F
Acetone	SNL0093634	LWDS-05-BH14	55	23-MAR-94	8240	17		10	F
Acetone	SNL0093540	LWDS-05-BH11	60	20-MAR-94	8240	10	U	10	F
Acetone	SNL0093642	LWDS-05-BH14	60	23-MAR-94	8240	9.8	J	10	D
Acetone	SNL0093638	LWDS-05-BH14	60	23-MAR-94	8240	12		10	F
Acetone	SNL0091270	LWDS-MW1	60	22-AUG-92	8240	10	U	10	F
Acetone	SNL0093548	LWDS-05-BH11	65	20-MAR-94	8240	8	J	10	F
Acetone	SNL0091277	LWDS-MW1	68	23-AUG-92	8240	10	U	10	F
Acetone	SNL0093564	LWDS-05-BH11	70	20-MAR-94	8240	12		10	D
Acetone	SNL0093556	LWDS-05-BH11	70	20-MAR-94	8240	14		10	F
Acetone	SNL0091279	LWDS-MW1	80	23-AUG-92	8240	10	U	10	F
Acetone	SNL0091283	LWDS-MW1	89	23-AUG-92	8240	10	U	10	D
Acetone	SNL0091281	LWDS-MW1	89	23-AUG-92	8240	10	U	10	F
Acetone	SNL0091285	LWDS-MW1	102	24-AUG-92	8240	10	U	10	F
Acetone	SNL0091289	LWDS-MW1	110	24-AUG-92	8240	10	U	10	F
Acetone	SNL0091287	LWDS-MW1	110	24-AUG-92	8240	10	U	10	F
Acetone	SNL0091294	LWDS-MW1	120	25-AUG-92	8240	15	B	10	F
Acetone	SNL0091296	LWDS-MW1	130	25-AUG-92	8240	10	U	10	F
Acetone	SNL0091582	LWDS-MW1	143	02-SEP-92	8240	150		10	F
Acetone	SNL0091584	LWDS-MW1	150	02-SEP-92	8240	23		10	F
Acetone	SNL0092980	LWDS-MW1	176	06-APR-93	8240	8.2	BJ	10	F
Acetone	SNL0092990	LWDS-MW1	202	08-APR-93	8240	10	U	10	F
Acetone	SNL0093004	LWDS-MW1	226	13-APR-93	8240	8	BJ	10	F
Acetone	SNL0093014	LWDS-MW1	250	14-APR-93	8240	10	B	10	F
Acetone	SNL0093026	LWDS-MW1	274	15-APR-93	8240	7.8	BJ	10	F
Acetone	SNL0093046	LWDS-MW1	315	17-APR-93	8240	8.1	BJ	10	F
Acetone	SNL0093058	LWDS-MW1	346	19-APR-93	8240	8.7	BJ	10	F
Acetone	SNL0093036	LWDS-MW1	346	19-APR-93	8240	11	B	10	D
Acetone	SNL0093070	LWDS-MW1	390	21-APR-93	8240	4.5	BJ	10	F
Acetone	SNL0093093	LWDS-MW1	444	27-APR-93	8240	10	U	10	F
Anthracene	SNL0093720	LWDS-05-BH13	0	29-MAR-94	8270	330	U	330	F
Anthracene	SNL0093091	LWDS-MW1	0	21-APR-93	8270	330	U	330	F
Anthracene	SNL0093123	LWDS-MW1	0	30-APR-93	8270	330	U	330	F
Anthracene	SNL0091259	LWDS-MW1	12	22-AUG-92	8270	330	U	330	F
Anthracene	SNL0091261	LWDS-MW1	21	22-AUG-92	8270	330	U	330	F
Anthracene	SNL0093474	LWDS-05-BH11	25	20-MAR-94	8270	330	U	330	F
Anthracene	SNL0093384	LWDS-05-BH12	25	21-MAR-94	8270	330	U	330	F
Anthracene	SNL0093294	LWDS-05-BH13	25	22-MAR-94	8270	330	U	330	F
Anthracene	SNL0093676	LWDS-05-BH14	25	23-MAR-94	8270	330	U	330	F
Anthracene	SNL0093482	LWDS-05-BH11	30	20-MAR-94	8270	330	U	330	F
Anthracene	SNL0093392	LWDS-05-BH12	30	21-MAR-94	8270	330	U	330	F
Anthracene	SNL0093302	LWDS-05-BH13	30	22-MAR-94	8270	330	U	330	F
Anthracene	SNL0093680	LWDS-05-BH14	30	23-MAR-94	8270	330	U	330	F
Anthracene	SNL0091263	LWDS-MW1	30	22-AUG-92	8270	330	U	330	F
Anthracene	SNL0093400	LWDS-05-BH12	32.5	21-MAR-94	8270	330	U	330	F
Anthracene	SNL0093310	LWDS-05-BH13	32.5	22-MAR-94	8270	330	U	330	F
Anthracene	SNL0093684	LWDS-05-BH14	32.5	23-MAR-94	8270	330	U	330	F
Anthracene	SNL0093491	LWDS-05-BH11	35	20-MAR-94	8270	330	U	330	F
Anthracene	SNL0093408	LWDS-05-BH12	35	21-MAR-94	8270	330	U	330	F
Anthracene	SNL0093318	LWDS-05-BH13	35	22-MAR-94	8270	330	U	330	F
Anthracene	SNL0093688	LWDS-05-BH14	35	23-MAR-94	8270	330	U	330	F
Anthracene	SNL0093589	LWDS-05-BH11	37.5	20-MAR-94	8270	330	U	330	F
Anthracene	SNL0093416	LWDS-05-BH12	37.5	21-MAR-94	8270	330	U	330	F
Anthracene	SNL0093326	LWDS-05-BH13	37.5	22-MAR-94	8270	330	U	330	F
Anthracene	SNL0093692	LWDS-05-BH14	37.5	23-MAR-94	8270	330	U	330	F
Anthracene	SNL0091265	LWDS-MW1	39	22-AUG-92	8270	330	U	330	F

Table A-5: Organics analyses of soil samples from ER Site 5.

Analyte	Sample Number	Sample Location	Sample Depth (Ft)	Sample Date	Analytical Method	Amount Detected (ug/kg)	Qualifier	Method Detection Limit	Sample Type
Anthracene	SNL0093499	LWDS-05-BH11	40	20-MAR-94	8270	330	U	330	F
Anthracene	SNL0093424	LWDS-05-BH12	40	21-MAR-94	8270	330	U	330	F
Anthracene	SNL0093334	LWDS-05-BH13	40	22-MAR-94	8270	330	U	330	F
Anthracene	SNL0093625	LWDS-05-BH14	40	23-MAR-94	8270	330	U	330	F
Anthracene	SNL0093507	LWDS-05-BH11	42.5	20-MAR-94	8270	330	U	330	F
Anthracene	SNL0093515	LWDS-05-BH11	45	20-MAR-94	8270	330	U	330	F
Anthracene	SNL0093432	LWDS-05-BH12	45	21-MAR-94	8270	330	U	330	F
Anthracene	SNL0093342	LWDS-05-BH13	45	22-MAR-94	8270	330	U	330	F
Anthracene	SNL0093629	LWDS-05-BH14	45	23-MAR-94	8270	330	U	330	F
Anthracene	SNL0093523	LWDS-05-BH11	47.5	20-MAR-94	8270	330	U	330	F
Anthracene	SNL0093531	LWDS-05-BH11	50	20-MAR-94	8270	330	U	330	F
Anthracene	SNL0093440	LWDS-05-BH12	50	21-MAR-94	8270	330	U	330	F
Anthracene	SNL0093350	LWDS-05-BH13	50	22-MAR-94	8270	330	U	330	F
Anthracene	SNL0093358	LWDS-05-BH13	50	22-MAR-94	8270	330	U	330	F
Anthracene	SNL0093633	LWDS-05-BH14	50	23-MAR-94	8270	330	U	330	F
Anthracene	SNL0091269	LWDS-MW1	50	22-AUG-92	8270	330	U	330	D
Anthracene	SNL0091267	LWDS-MW1	50	22-AUG-92	8270	330	U	330	F
Anthracene	SNL0093539	LWDS-05-BH11	55	20-MAR-94	8270	330	U	330	F
Anthracene	SNL0093456	LWDS-05-BH12	55	21-MAR-94	8270	330	U	330	D
Anthracene	SNL0093448	LWDS-05-BH12	55	21-MAR-94	8270	330	U	330	F
Anthracene	SNL0093366	LWDS-05-BH13	55	22-MAR-94	8270	330	U	330	F
Anthracene	SNL0093637	LWDS-05-BH14	55	23-MAR-94	8270	330	U	330	F
Anthracene	SNL0093547	LWDS-05-BH11	60	20-MAR-94	8270	330	U	330	F
Anthracene	SNL0093645	LWDS-05-BH14	60	23-MAR-94	8270	330	U	330	D
Anthracene	SNL0093641	LWDS-05-BH14	60	23-MAR-94	8270	330	U	330	F
Anthracene	SNL0091271	LWDS-MW1	60	22-AUG-92	8270	330	U	330	F
Anthracene	SNL0093555	LWDS-05-BH11	65	20-MAR-94	8270	330	U	330	F
Anthracene	SNL0091278	LWDS-MW1	68	23-AUG-92	8270	330	U	330	F
Anthracene	SNL0093571	LWDS-05-BH11	70	20-MAR-94	8270	330	U	330	D
Anthracene	SNL0093563	LWDS-05-BH11	70	20-MAR-94	8270	330	U	330	F
Anthracene	SNL0091280	LWDS-MW1	80	23-AUG-92	8270	330	U	330	F
Anthracene	SNL0091284	LWDS-MW1	89	23-AUG-92	8270	330	U	330	D
Anthracene	SNL0091282	LWDS-MW1	89	23-AUG-92	8270	330	U	330	F
Anthracene	SNL0091286	LWDS-MW1	102	24-AUG-92	8270	330	U	330	F
Anthracene	SNL0091290	LWDS-MW1	110	24-AUG-92	8270	330	U	330	F
Anthracene	SNL0091288	LWDS-MW1	110	24-AUG-92	8270	330	U	330	F
Anthracene	SNL0091295	LWDS-MW1	120	25-AUG-92	8270	330	U	330	F
Anthracene	SNL0091297	LWDS-MW1	130	25-AUG-92	8270	330	U	330	F
Anthracene	SNL0091583	LWDS-MW1	143	02-SEP-92	8270	330	U	330	F
Anthracene	SNL0091585	LWDS-MW1	150	02-SEP-92	8270	330	U	330	F
Anthracene	SNL0092988	LWDS-MW1	176	06-APR-93	8270	330	U	330	F
Anthracene	SNL0092998	LWDS-MW1	202	08-APR-93	8270	330	U	330	F
Anthracene	SNL0093012	LWDS-MW1	226	13-APR-93	8270	330	U	330	F
Anthracene	SNL0093022	LWDS-MW1	250	14-APR-93	8270	330	U	330	F
Anthracene	SNL0093034	LWDS-MW1	274	15-APR-93	8270	330	U	330	F
Anthracene	SNL0093054	LWDS-MW1	315	17-APR-93	8270	330	U	330	F
Anthracene	SNL0093066	LWDS-MW1	346	19-APR-93	8270	330	U	330	F
Anthracene	SNL0093044	LWDS-MW1	346	19-APR-93	8270	330	U	330	D
Anthracene	SNL0093078	LWDS-MW1	390	21-APR-93	8270	330	U	330	F
Anthracene	SNL0093101	LWDS-MW1	444	27-APR-93	8270	330	U	330	F
Benzene	SNL0093572	LWDS-05-BH11	0	20-MAR-94	8240	5	U	5	TB
Benzene	SNL0093466	LWDS-05-BH12	0	21-MAR-94	8240	5	U	5	TB
Benzene	SNL0093375	LWDS-05-BH13	0	22-MAR-94	8240	5	U	5	TB
Benzene	SNL0093717	LWDS-05-BH13	0	29-MAR-94	8240	5	U	5	F
Benzene	SNL0093655	LWDS-05-BH14	0	23-MAR-94	8240	5	U	5	TB
Benzene	SNL0093083	LWDS-MW1	0	21-APR-93	8240	5	U	5	F
Benzene	SNL0093115	LWDS-MW1	0	30-APR-93	8240	5	U	5	F
Benzene	SNL0091258	LWDS-MW1	12	22-AUG-92	8240	5	U	5	F
Benzene	SNL0091260	LWDS-MW1	21	22-AUG-92	8240	5	U	5	F
Benzene	SNL0093467	LWDS-05-BH11	25	20-MAR-94	8240	5	U	5	F
Benzene	SNL0093377	LWDS-05-BH12	25	21-MAR-94	8240	5	U	5	F
Benzene	SNL0093287	LWDS-05-BH13	25	22-MAR-94	8240	5	U	5	F
Benzene	SNL0093673	LWDS-05-BH14	25	23-MAR-94	8240	5	U	5	F
Benzene	SNL0093475	LWDS-05-BH11	30	20-MAR-94	8240	5	U	5	F
Benzene	SNL0093385	LWDS-05-BH12	30	21-MAR-94	8240	5	U	5	F
Benzene	SNL0093295	LWDS-05-BH13	30	22-MAR-94	8240	5	U	5	F
Benzene	SNL0093677	LWDS-05-BH14	30	23-MAR-94	8240	5	U	5	F

Table A-5: Organics analyses of soil samples from ER Site 5.

Analyte	Sample Number	Sample Location	Sample Depth (Ft)	Sample Date	Analytical Method	Amount Detected (ug/kg)	Qualifier	Method Detection Limit	Sample Type
Benzene	SNL0091262	LWDS-MW1	30	22-AUG-92	8240	5	U	5	F
Benzene	SNL0093483	LWDS-05-BH11	32.5	20-MAR-94	8240	5	U	5	F
Benzene	SNL0093393	LWDS-05-BH12	32.5	21-MAR-94	8240	5	U	5	F
Benzene	SNL0093303	LWDS-05-BH13	32.5	22-MAR-94	8240	5	U	5	F
Benzene	SNL0093681	LWDS-05-BH14	32.5	23-MAR-94	8240	5	U	5	F
Benzene	SNL0093484	LWDS-05-BH11	35	20-MAR-94	8240	5	U	5	F
Benzene	SNL0093401	LWDS-05-BH12	35	21-MAR-94	8240	5	U	5	F
Benzene	SNL0093311	LWDS-05-BH13	35	22-MAR-94	8240	5	U	5	F
Benzene	SNL0093685	LWDS-05-BH14	35	23-MAR-94	8240	5	U	5	F
Benzene	SNL0093582	LWDS-05-BH11	37.5	20-MAR-94	8240	5	U	5	F
Benzene	SNL0093409	LWDS-05-BH12	37.5	21-MAR-94	8240	5	U	5	F
Benzene	SNL0093319	LWDS-05-BH13	37.5	22-MAR-94	8240	5	U	5	F
Benzene	SNL0093689	LWDS-05-BH14	37.5	23-MAR-94	8240	5	U	5	F
Benzene	SNL0091264	LWDS-MW1	39	22-AUG-92	8240	5	U	5	F
Benzene	SNL0093492	LWDS-05-BH11	40	20-MAR-94	8240	5	U	5	F
Benzene	SNL0093417	LWDS-05-BH12	40	21-MAR-94	8240	5	U	5	F
Benzene	SNL0093327	LWDS-05-BH13	40	22-MAR-94	8240	5	U	5	F
Benzene	SNL0093693	LWDS-05-BH14	40	23-MAR-94	8240	5	U	5	F
Benzene	SNL0093500	LWDS-05-BH11	42.5	20-MAR-94	8240	5	U	5	F
Benzene	SNL0093508	LWDS-05-BH11	45	20-MAR-94	8240	5	U	5	F
Benzene	SNL0093425	LWDS-05-BH12	45	21-MAR-94	8240	5	U	5	F
Benzene	SNL0093335	LWDS-05-BH13	45	22-MAR-94	8240	5	U	5	F
Benzene	SNL0093626	LWDS-05-BH14	45	23-MAR-94	8240	5	U	5	F
Benzene	SNL0093516	LWDS-05-BH11	47.5	20-MAR-94	8240	5	U	5	F
Benzene	SNL0093524	LWDS-05-BH11	50	20-MAR-94	8240	5	U	5	F
Benzene	SNL0093433	LWDS-05-BH12	50	21-MAR-94	8240	5	U	5	F
Benzene	SNL0093351	LWDS-05-BH13	50	22-MAR-94	8240	5	U	5	D
Benzene	SNL0093343	LWDS-05-BH13	50	22-MAR-94	8240	5	U	5	F
Benzene	SNL0093630	LWDS-05-BH14	50	23-MAR-94	8240	5	U	5	F
Benzene	SNL0091268	LWDS-MW1	50	22-AUG-92	8240	5	U	5	D
Benzene	SNL0091266	LWDS-MW1	50	22-AUG-92	8240	5	U	5	F
Benzene	SNL0093532	LWDS-05-BH11	55	20-MAR-94	8240	5	U	5	F
Benzene	SNL0093449	LWDS-05-BH12	55	21-MAR-94	8240	5	U	5	D
Benzene	SNL0093441	LWDS-05-BH12	55	21-MAR-94	8240	5	U	5	F
Benzene	SNL0093359	LWDS-05-BH13	55	22-MAR-94	8240	5	U	5	F
Benzene	SNL0093634	LWDS-05-BH14	55	23-MAR-94	8240	5	U	5	F
Benzene	SNL0093540	LWDS-05-BH11	60	20-MAR-94	8240	5	U	5	F
Benzene	SNL0093642	LWDS-05-BH14	60	23-MAR-94	8240	5	U	5	D
Benzene	SNL0093638	LWDS-05-BH14	60	23-MAR-94	8240	5	U	5	F
Benzene	SNL0091270	LWDS-MW1	60	22-AUG-92	8240	5	U	5	F
Benzene	SNL0093548	LWDS-05-BH11	65	20-MAR-94	8240	5	U	5	F
Benzene	SNL0091277	LWDS-MW1	68	23-AUG-92	8240	5	U	5	F
Benzene	SNL0093564	LWDS-05-BH11	70	20-MAR-94	8240	5	U	5	D
Benzene	SNL0093556	LWDS-05-BH11	70	20-MAR-94	8240	5	U	5	F
Benzene	SNL0091279	LWDS-MW1	80	23-AUG-92	8240	5	U	5	F
Benzene	SNL0091283	LWDS-MW1	89	23-AUG-92	8240	5	U	5	D
Benzene	SNL0091281	LWDS-MW1	89	23-AUG-92	8240	5	U	5	F
Benzene	SNL0091285	LWDS-MW1	102	24-AUG-92	8240	5	U	5	F
Benzene	SNL0091289	LWDS-MW1	110	24-AUG-92	8240	5	U	5	F
Benzene	SNL0091287	LWDS-MW1	110	24-AUG-92	8240	5	U	5	F
Benzene	SNL0091294	LWDS-MW1	120	25-AUG-92	8240	5	U	5	F
Benzene	SNL0091296	LWDS-MW1	130	25-AUG-92	8240	5	U	5	F
Benzene	SNL0091582	LWDS-MW1	143	02-SEP-92	8240	5	U	5	F
Benzene	SNL0091584	LWDS-MW1	150	02-SEP-92	8240	5	U	5	F
Benzene	SNL0092980	LWDS-MW1	176	06-APR-93	8240	5	U	5	F
Benzene	SNL0092990	LWDS-MW1	202	08-APR-93	8240	5	U	5	F
Benzene	SNL0093004	LWDS-MW1	226	13-APR-93	8240	5	U	5	F
Benzene	SNL0093014	LWDS-MW1	250	14-APR-93	8240	5	U	5	F
Benzene	SNL0093026	LWDS-MW1	274	15-APR-93	8240	5	U	5	F
Benzene	SNL0093046	LWDS-MW1	315	17-APR-93	8240	5	U	5	F
Benzene	SNL0093058	LWDS-MW1	346	19-APR-93	8240	5	U	5	F
Benzene	SNL0093036	LWDS-MW1	346	19-APR-93	8240	5	U	5	D
Benzene	SNL0093070	LWDS-MW1	390	21-APR-93	8240	5	U	5	F
Benzene	SNL0093093	LWDS-MW1	444	27-APR-93	8240	5	U	5	F
Benzo(a)anthracene	SNL0093720	LWDS-05-BH13	0	29-MAR-94	8270	330	U	330	F
Benzo(a)anthracene	SNL0093123	LWDS-MW1	0	30-APR-93	8270	330	U	330	F
Benzo(a)anthracene	SNL0093091	LWDS-MW1	0	21-APR-93	8270	330	U	330	F

Table A-5: Organics analyses of soil samples from ER Site 5.

Analyte	Sample Number	Sample Location	Sample Depth (Ft)	Sample Date	Analytical Method	Amount Detected (ug/kg)	Qualifier	Method Detection Limit	Sample Type
Benzo(a)anthracene	SNL0091259	LWDS-MW1	12	22-AUG-92	8270	330	U	330	F
Benzo(a)anthracene	SNL0091261	LWDS-MW1	21	22-AUG-92	8270	330	U	330	F
Benzo(a)anthracene	SNL0093474	LWDS-05-BH11	25	20-MAR-94	8270	330	U	330	F
Benzo(a)anthracene	SNL0093384	LWDS-05-BH12	25	21-MAR-94	8270	330	U	330	F
Benzo(a)anthracene	SNL0093294	LWDS-05-BH13	25	22-MAR-94	8270	330	U	330	F
Benzo(a)anthracene	SNL0093676	LWDS-05-BH14	25	23-MAR-94	8270	330	U	330	F
Benzo(a)anthracene	SNL0093482	LWDS-05-BH11	30	20-MAR-94	8270	330	U	330	F
Benzo(a)anthracene	SNL0093392	LWDS-05-BH12	30	21-MAR-94	8270	330	U	330	F
Benzo(a)anthracene	SNL0093302	LWDS-05-BH13	30	22-MAR-94	8270	330	U	330	F
Benzo(a)anthracene	SNL0093680	LWDS-05-BH14	30	23-MAR-94	8270	330	U	330	F
Benzo(a)anthracene	SNL0091263	LWDS-MW1	30	22-AUG-92	8270	330	U	330	F
Benzo(a)anthracene	SNL0093400	LWDS-05-BH12	32.5	21-MAR-94	8270	330	U	330	F
Benzo(a)anthracene	SNL0093310	LWDS-05-BH13	32.5	22-MAR-94	8270	330	U	330	F
Benzo(a)anthracene	SNL0093684	LWDS-05-BH14	32.5	23-MAR-94	8270	330	U	330	F
Benzo(a)anthracene	SNL0093491	LWDS-05-BH11	35	20-MAR-94	8270	330	U	330	F
Benzo(a)anthracene	SNL0093408	LWDS-05-BH12	35	21-MAR-94	8270	330	U	330	F
Benzo(a)anthracene	SNL0093318	LWDS-05-BH13	35	22-MAR-94	8270	330	U	330	F
Benzo(a)anthracene	SNL0093688	LWDS-05-BH14	35	23-MAR-94	8270	330	U	330	F
Benzo(a)anthracene	SNL0093589	LWDS-05-BH11	37.5	20-MAR-94	8270	330	U	330	F
Benzo(a)anthracene	SNL0093416	LWDS-05-BH12	37.5	21-MAR-94	8270	330	U	330	F
Benzo(a)anthracene	SNL0093326	LWDS-05-BH13	37.5	22-MAR-94	8270	330	U	330	F
Benzo(a)anthracene	SNL0093692	LWDS-05-BH14	37.5	23-MAR-94	8270	330	U	330	F
Benzo(a)anthracene	SNL0091265	LWDS-MW1	39	22-AUG-92	8270	330	U	330	F
Benzo(a)anthracene	SNL0093499	LWDS-05-BH11	40	20-MAR-94	8270	330	U	330	F
Benzo(a)anthracene	SNL0093424	LWDS-05-BH12	40	21-MAR-94	8270	330	U	330	F
Benzo(a)anthracene	SNL0093334	LWDS-05-BH13	40	22-MAR-94	8270	330	U	330	F
Benzo(a)anthracene	SNL0093625	LWDS-05-BH14	40	23-MAR-94	8270	330	U	330	F
Benzo(a)anthracene	SNL0093507	LWDS-05-BH11	42.5	20-MAR-94	8270	330	U	330	F
Benzo(a)anthracene	SNL0093515	LWDS-05-BH11	45	20-MAR-94	8270	330	U	330	F
Benzo(a)anthracene	SNL0093432	LWDS-05-BH12	45	21-MAR-94	8270	330	U	330	F
Benzo(a)anthracene	SNL0093342	LWDS-05-BH13	45	22-MAR-94	8270	330	U	330	F
Benzo(a)anthracene	SNL0093629	LWDS-05-BH14	45	23-MAR-94	8270	330	U	330	F
Benzo(a)anthracene	SNL0093523	LWDS-05-BH11	47.5	20-MAR-94	8270	330	U	330	F
Benzo(a)anthracene	SNL0093531	LWDS-05-BH11	50	20-MAR-94	8270	330	U	330	F
Benzo(a)anthracene	SNL0093440	LWDS-05-BH12	50	21-MAR-94	8270	330	U	330	F
Benzo(a)anthracene	SNL0093358	LWDS-05-BH13	50	22-MAR-94	8270	330	U	330	F
Benzo(a)anthracene	SNL0093350	LWDS-05-BH13	50	22-MAR-94	8270	330	U	330	F
Benzo(a)anthracene	SNL0093633	LWDS-05-BH14	50	23-MAR-94	8270	330	U	330	F
Benzo(a)anthracene	SNL0091269	LWDS-MW1	50	22-AUG-92	8270	330	U	330	D
Benzo(a)anthracene	SNL0091267	LWDS-MW1	50	22-AUG-92	8270	330	U	330	F
Benzo(a)anthracene	SNL0093539	LWDS-05-BH11	55	20-MAR-94	8270	330	U	330	F
Benzo(a)anthracene	SNL0093456	LWDS-05-BH12	55	21-MAR-94	8270	330	U	330	D
Benzo(a)anthracene	SNL0093448	LWDS-05-BH12	55	21-MAR-94	8270	330	U	330	F
Benzo(a)anthracene	SNL0093366	LWDS-05-BH13	55	22-MAR-94	8270	330	U	330	F
Benzo(a)anthracene	SNL0093637	LWDS-05-BH14	55	23-MAR-94	8270	330	U	330	F
Benzo(a)anthracene	SNL0093547	LWDS-05-BH11	60	20-MAR-94	8270	330	U	330	F
Benzo(a)anthracene	SNL0093645	LWDS-05-BH14	60	23-MAR-94	8270	330	U	330	D
Benzo(a)anthracene	SNL0093641	LWDS-05-BH14	60	23-MAR-94	8270	330	U	330	F
Benzo(a)anthracene	SNL0091271	LWDS-MW1	60	22-AUG-92	8270	330	U	330	F
Benzo(a)anthracene	SNL0093555	LWDS-05-BH11	65	20-MAR-94	8270	330	U	330	F
Benzo(a)anthracene	SNL0091278	LWDS-MW1	68	23-AUG-92	8270	330	U	330	F
Benzo(a)anthracene	SNL0093571	LWDS-05-BH11	70	20-MAR-94	8270	330	U	330	D
Benzo(a)anthracene	SNL0093563	LWDS-05-BH11	70	20-MAR-94	8270	330	U	330	F
Benzo(a)anthracene	SNL0091280	LWDS-MW1	80	23-AUG-92	8270	330	U	330	F
Benzo(a)anthracene	SNL0091284	LWDS-MW1	89	23-AUG-92	8270	330	U	330	D
Benzo(a)anthracene	SNL0091282	LWDS-MW1	89	23-AUG-92	8270	330	U	330	F
Benzo(a)anthracene	SNL0091286	LWDS-MW1	102	24-AUG-92	8270	330	U	330	F
Benzo(a)anthracene	SNL0091290	LWDS-MW1	110	24-AUG-92	8270	330	U	330	F
Benzo(a)anthracene	SNL0091288	LWDS-MW1	110	24-AUG-92	8270	330	U	330	F
Benzo(a)anthracene	SNL0091295	LWDS-MW1	120	25-AUG-92	8270	330	U	330	F
Benzo(a)anthracene	SNL0091297	LWDS-MW1	130	25-AUG-92	8270	330	U	330	F
Benzo(a)anthracene	SNL0091583	LWDS-MW1	143	02-SEP-92	8270	330	U	330	F
Benzo(a)anthracene	SNL0091585	LWDS-MW1	150	02-SEP-92	8270	330	U	330	F
Benzo(a)anthracene	SNL0092988	LWDS-MW1	176	06-APR-93	8270	330	U	330	F
Benzo(a)anthracene	SNL0092998	LWDS-MW1	202	08-APR-93	8270	330	U	330	F
Benzo(a)anthracene	SNL0093012	LWDS-MW1	226	13-APR-93	8270	330	U	330	F
Benzo(a)anthracene	SNL0093022	LWDS-MW1	250	14-APR-93	8270	330	U	330	F

Table A-5: Organics analyses of soil samples from ER Site 5.

Analyte	Sample Number	Sample Location	Sample Depth (Ft)	Sample Date	Analytical Method	Amount Detected (ug/kg)	Qualifier	Method Detection Limit	Sample Type
Benzo(a)anthracene	SNL0093034	LWDS-MW1	274	15-APR-93	8270	330	U	330	F
Benzo(a)anthracene	SNL0093054	LWDS-MW1	315	17-APR-93	8270	330	U	330	F
Benzo(a)anthracene	SNL0093066	LWDS-MW1	346	19-APR-93	8270	330	U	330	F
Benzo(a)anthracene	SNL0093044	LWDS-MW1	346	19-APR-93	8270	330	U	330	D
Benzo(a)anthracene	SNL0093078	LWDS-MW1	390	21-APR-93	8270	330	U	330	F
Benzo(a)anthracene	SNL0093101	LWDS-MW1	444	27-APR-93	8270	330	U	330	F
Benzo(a)pyrene	SNL0093720	LWDS-05-BH13	0	29-MAR-94	8270	330	U	330	F
Benzo(a)pyrene	SNL0093123	LWDS-MW1	0	30-APR-93	8270	330	U	330	F
Benzo(a)pyrene	SNL0093091	LWDS-MW1	0	21-APR-93	8270	330	U	330	F
Benzo(a)pyrene	SNL0091259	LWDS-MW1	12	22-AUG-92	8270	330	U	330	F
Benzo(a)pyrene	SNL0091261	LWDS-MW1	21	22-AUG-92	8270	330	U	330	F
Benzo(a)pyrene	SNL0093474	LWDS-05-BH11	25	20-MAR-94	8270	330	U	330	F
Benzo(a)pyrene	SNL0093384	LWDS-05-BH12	25	21-MAR-94	8270	330	U	330	F
Benzo(a)pyrene	SNL0093294	LWDS-05-BH13	25	22-MAR-94	8270	330	U	330	F
Benzo(a)pyrene	SNL0093676	LWDS-05-BH14	25	23-MAR-94	8270	330	U	330	F
Benzo(a)pyrene	SNL0093482	LWDS-05-BH11	30	20-MAR-94	8270	330	U	330	F
Benzo(a)pyrene	SNL0093392	LWDS-05-BH12	30	21-MAR-94	8270	330	U	330	F
Benzo(a)pyrene	SNL0093302	LWDS-05-BH13	30	22-MAR-94	8270	330	U	330	F
Benzo(a)pyrene	SNL0093680	LWDS-05-BH14	30	23-MAR-94	8270	330	U	330	F
Benzo(a)pyrene	SNL0091263	LWDS-MW1	30	22-AUG-92	8270	330	U	330	F
Benzo(a)pyrene	SNL0093400	LWDS-05-BH12	32.5	21-MAR-94	8270	330	U	330	F
Benzo(a)pyrene	SNL0093310	LWDS-05-BH13	32.5	22-MAR-94	8270	330	U	330	F
Benzo(a)pyrene	SNL0093684	LWDS-05-BH14	32.5	23-MAR-94	8270	330	U	330	F
Benzo(a)pyrene	SNL0093491	LWDS-05-BH11	35	20-MAR-94	8270	330	U	330	F
Benzo(a)pyrene	SNL0093408	LWDS-05-BH12	35	21-MAR-94	8270	330	U	330	F
Benzo(a)pyrene	SNL0093318	LWDS-05-BH13	35	22-MAR-94	8270	330	U	330	F
Benzo(a)pyrene	SNL0093688	LWDS-05-BH14	35	23-MAR-94	8270	330	U	330	F
Benzo(a)pyrene	SNL0093589	LWDS-05-BH11	37.5	20-MAR-94	8270	330	U	330	F
Benzo(a)pyrene	SNL0093416	LWDS-05-BH12	37.5	21-MAR-94	8270	330	U	330	F
Benzo(a)pyrene	SNL0093326	LWDS-05-BH13	37.5	22-MAR-94	8270	330	U	330	F
Benzo(a)pyrene	SNL0093692	LWDS-05-BH14	37.5	23-MAR-94	8270	330	U	330	F
Benzo(a)pyrene	SNL0091265	LWDS-MW1	39	22-AUG-92	8270	330	U	330	F
Benzo(a)pyrene	SNL0093499	LWDS-05-BH11	40	20-MAR-94	8270	330	U	330	F
Benzo(a)pyrene	SNL0093424	LWDS-05-BH12	40	21-MAR-94	8270	330	U	330	F
Benzo(a)pyrene	SNL0093334	LWDS-05-BH13	40	22-MAR-94	8270	330	U	330	F
Benzo(a)pyrene	SNL0093625	LWDS-05-BH14	40	23-MAR-94	8270	330	U	330	F
Benzo(a)pyrene	SNL0093507	LWDS-05-BH11	42.5	20-MAR-94	8270	330	U	330	F
Benzo(a)pyrene	SNL0093515	LWDS-05-BH11	45	20-MAR-94	8270	330	U	330	F
Benzo(a)pyrene	SNL0093432	LWDS-05-BH12	45	21-MAR-94	8270	330	U	330	F
Benzo(a)pyrene	SNL0093342	LWDS-05-BH13	45	22-MAR-94	8270	330	U	330	F
Benzo(a)pyrene	SNL0093629	LWDS-05-BH14	45	23-MAR-94	8270	330	U	330	F
Benzo(a)pyrene	SNL0093523	LWDS-05-BH11	47.5	20-MAR-94	8270	330	U	330	F
Benzo(a)pyrene	SNL0093531	LWDS-05-BH11	50	20-MAR-94	8270	330	U	330	F
Benzo(a)pyrene	SNL0093440	LWDS-05-BH12	50	21-MAR-94	8270	330	U	330	F
Benzo(a)pyrene	SNL0093350	LWDS-05-BH13	50	22-MAR-94	8270	330	U	330	F
Benzo(a)pyrene	SNL0093358	LWDS-05-BH13	50	22-MAR-94	8270	330	U	330	F
Benzo(a)pyrene	SNL0093633	LWDS-05-BH14	50	23-MAR-94	8270	330	U	330	F
Benzo(a)pyrene	SNL0091269	LWDS-MW1	50	22-AUG-92	8270	330	U	330	D
Benzo(a)pyrene	SNL0091267	LWDS-MW1	50	22-AUG-92	8270	330	U	330	F
Benzo(a)pyrene	SNL0093539	LWDS-05-BH11	55	20-MAR-94	8270	330	U	330	F
Benzo(a)pyrene	SNL0093456	LWDS-05-BH12	55	21-MAR-94	8270	330	U	330	D
Benzo(a)pyrene	SNL0093448	LWDS-05-BH12	55	21-MAR-94	8270	330	U	330	F
Benzo(a)pyrene	SNL0093366	LWDS-05-BH13	55	22-MAR-94	8270	330	U	330	F
Benzo(a)pyrene	SNL0093637	LWDS-05-BH14	55	23-MAR-94	8270	330	U	330	F
Benzo(a)pyrene	SNL0093547	LWDS-05-BH11	60	20-MAR-94	8270	330	U	330	F
Benzo(a)pyrene	SNL0093645	LWDS-05-BH14	60	23-MAR-94	8270	330	U	330	D
Benzo(a)pyrene	SNL0093641	LWDS-05-BH14	60	23-MAR-94	8270	330	U	330	F
Benzo(a)pyrene	SNL0091271	LWDS-MW1	60	22-AUG-92	8270	330	U	330	F
Benzo(a)pyrene	SNL0093555	LWDS-05-BH11	65	20-MAR-94	8270	330	U	330	F
Benzo(a)pyrene	SNL0091278	LWDS-MW1	68	23-AUG-92	8270	330	U	330	F
Benzo(a)pyrene	SNL0093563	LWDS-05-BH11	70	20-MAR-94	8270	330	U	330	F
Benzo(a)pyrene	SNL0093571	LWDS-05-BH11	70	20-MAR-94	8270	330	U	330	D
Benzo(a)pyrene	SNL0091280	LWDS-MW1	80	23-AUG-92	8270	330	U	330	F
Benzo(a)pyrene	SNL0091284	LWDS-MW1	89	23-AUG-92	8270	330	U	330	D
Benzo(a)pyrene	SNL0091282	LWDS-MW1	89	23-AUG-92	8270	330	U	330	F
Benzo(a)pyrene	SNL0091286	LWDS-MW1	102	24-AUG-92	8270	330	U	330	F
Benzo(a)pyrene	SNL0091290	LWDS-MW1	110	24-AUG-92	8270	330	U	330	F

Table A-5: Organics analyses of soil samples from ER Site 5.

Analyte	Sample Number	Sample Location	Sample Depth (Ft)	Sample Date	Analytical Method	Amount Detected (ug/kg)	Qualifier	Method Detection Limit	Sample Type
Benzo(a)pyrene	SNL0091288	LWDS-MW1	110	24-AUG-92	8270	330	U	330	F
Benzo(a)pyrene	SNL0091295	LWDS-MW1	120	25-AUG-92	8270	330	U	330	F
Benzo(a)pyrene	SNL0091297	LWDS-MW1	130	25-AUG-92	8270	330	U	330	F
Benzo(a)pyrene	SNL0091583	LWDS-MW1	143	02-SEP-92	8270	330	U	330	F
Benzo(a)pyrene	SNL0091585	LWDS-MW1	150	02-SEP-92	8270	330	U	330	F
Benzo(a)pyrene	SNL0092988	LWDS-MW1	176	06-APR-93	8270	330	U	330	F
Benzo(a)pyrene	SNL0092998	LWDS-MW1	202	08-APR-93	8270	330	U	330	F
Benzo(a)pyrene	SNL0093012	LWDS-MW1	226	13-APR-93	8270	330	U	330	F
Benzo(a)pyrene	SNL0093022	LWDS-MW1	250	14-APR-93	8270	330	U	330	F
Benzo(a)pyrene	SNL0093034	LWDS-MW1	274	15-APR-93	8270	330	U	330	F
Benzo(a)pyrene	SNL0093054	LWDS-MW1	315	17-APR-93	8270	330	U	330	F
Benzo(a)pyrene	SNL0093066	LWDS-MW1	346	19-APR-93	8270	330	U	330	F
Benzo(a)pyrene	SNL0093044	LWDS-MW1	346	19-APR-93	8270	330	U	330	D
Benzo(a)pyrene	SNL0093078	LWDS-MW1	390	21-APR-93	8270	330	U	330	F
Benzo(a)pyrene	SNL0093101	LWDS-MW1	444	27-APR-93	8270	330	U	330	F
Benzo(b)fluoranthene	SNL0093720	LWDS-05-BH13	0	29-MAR-94	8270	330	U	330	F
Benzo(b)fluoranthene	SNL0093091	LWDS-MW1	0	21-APR-93	8270	330	U	330	F
Benzo(b)fluoranthene	SNL0093123	LWDS-MW1	0	30-APR-93	8270	330	U	330	F
Benzo(b)fluoranthene	SNL0091259	LWDS-MW1	12	22-AUG-92	8270	330	U	330	F
Benzo(b)fluoranthene	SNL0091261	LWDS-MW1	21	22-AUG-92	8270	330	U	330	F
Benzo(b)fluoranthene	SNL0093474	LWDS-05-BH11	25	20-MAR-94	8270	330	U	330	F
Benzo(b)fluoranthene	SNL0093384	LWDS-05-BH12	25	21-MAR-94	8270	330	U	330	F
Benzo(b)fluoranthene	SNL0093294	LWDS-05-BH13	25	22-MAR-94	8270	330	U	330	F
Benzo(b)fluoranthene	SNL0093676	LWDS-05-BH14	25	23-MAR-94	8270	330	U	330	F
Benzo(b)fluoranthene	SNL0093482	LWDS-05-BH11	30	20-MAR-94	8270	330	U	330	F
Benzo(b)fluoranthene	SNL0093392	LWDS-05-BH12	30	21-MAR-94	8270	330	U	330	F
Benzo(b)fluoranthene	SNL0093302	LWDS-05-BH13	30	22-MAR-94	8270	330	U	330	F
Benzo(b)fluoranthene	SNL0093680	LWDS-05-BH14	30	23-MAR-94	8270	330	U	330	F
Benzo(b)fluoranthene	SNL0091263	LWDS-MW1	30	22-AUG-92	8270	330	U	330	F
Benzo(b)fluoranthene	SNL0093400	LWDS-05-BH12	32.5	21-MAR-94	8270	330	U	330	F
Benzo(b)fluoranthene	SNL0093310	LWDS-05-BH13	32.5	22-MAR-94	8270	330	U	330	F
Benzo(b)fluoranthene	SNL0093684	LWDS-05-BH14	32.5	23-MAR-94	8270	330	U	330	F
Benzo(b)fluoranthene	SNL0093491	LWDS-05-BH11	35	20-MAR-94	8270	330	U	330	F
Benzo(b)fluoranthene	SNL0093408	LWDS-05-BH12	35	21-MAR-94	8270	330	U	330	F
Benzo(b)fluoranthene	SNL0093318	LWDS-05-BH13	35	22-MAR-94	8270	330	U	330	F
Benzo(b)fluoranthene	SNL0093688	LWDS-05-BH14	35	23-MAR-94	8270	330	U	330	F
Benzo(b)fluoranthene	SNL0093589	LWDS-05-BH11	37.5	20-MAR-94	8270	330	U	330	F
Benzo(b)fluoranthene	SNL0093416	LWDS-05-BH12	37.5	21-MAR-94	8270	330	U	330	F
Benzo(b)fluoranthene	SNL0093326	LWDS-05-BH13	37.5	22-MAR-94	8270	330	U	330	F
Benzo(b)fluoranthene	SNL0093692	LWDS-05-BH14	37.5	23-MAR-94	8270	330	U	330	F
Benzo(b)fluoranthene	SNL0091265	LWDS-MW1	39	22-AUG-92	8270	330	U	330	F
Benzo(b)fluoranthene	SNL0093499	LWDS-05-BH11	40	20-MAR-94	8270	330	U	330	F
Benzo(b)fluoranthene	SNL0093424	LWDS-05-BH12	40	21-MAR-94	8270	330	U	330	F
Benzo(b)fluoranthene	SNL0093334	LWDS-05-BH13	40	22-MAR-94	8270	330	U	330	F
Benzo(b)fluoranthene	SNL0093625	LWDS-05-BH14	40	23-MAR-94	8270	330	U	330	F
Benzo(b)fluoranthene	SNL0093507	LWDS-05-BH11	42.5	20-MAR-94	8270	330	U	330	F
Benzo(b)fluoranthene	SNL0093515	LWDS-05-BH11	45	20-MAR-94	8270	330	U	330	F
Benzo(b)fluoranthene	SNL0093432	LWDS-05-BH12	45	21-MAR-94	8270	330	U	330	F
Benzo(b)fluoranthene	SNL0093342	LWDS-05-BH13	45	22-MAR-94	8270	330	U	330	F
Benzo(b)fluoranthene	SNL0093629	LWDS-05-BH14	45	23-MAR-94	8270	330	U	330	F
Benzo(b)fluoranthene	SNL0093523	LWDS-05-BH11	47.5	20-MAR-94	8270	330	U	330	F
Benzo(b)fluoranthene	SNL0093531	LWDS-05-BH11	50	20-MAR-94	8270	330	U	330	F
Benzo(b)fluoranthene	SNL0093440	LWDS-05-BH12	50	21-MAR-94	8270	330	U	330	F
Benzo(b)fluoranthene	SNL0093358	LWDS-05-BH13	50	22-MAR-94	8270	330	U	330	F
Benzo(b)fluoranthene	SNL0093350	LWDS-05-BH13	50	22-MAR-94	8270	330	U	330	F
Benzo(b)fluoranthene	SNL0093633	LWDS-05-BH14	50	23-MAR-94	8270	330	U	330	F
Benzo(b)fluoranthene	SNL0091269	LWDS-MW1	50	22-AUG-92	8270	330	U	330	D
Benzo(b)fluoranthene	SNL0091267	LWDS-MW1	50	22-AUG-92	8270	330	U	330	F
Benzo(b)fluoranthene	SNL0093539	LWDS-05-BH11	55	20-MAR-94	8270	330	U	330	F
Benzo(b)fluoranthene	SNL0093456	LWDS-05-BH12	55	21-MAR-94	8270	330	U	330	D
Benzo(b)fluoranthene	SNL0093448	LWDS-05-BH12	55	21-MAR-94	8270	330	U	330	F
Benzo(b)fluoranthene	SNL0093366	LWDS-05-BH13	55	22-MAR-94	8270	330	U	330	F
Benzo(b)fluoranthene	SNL0093637	LWDS-05-BH14	55	23-MAR-94	8270	330	U	330	F
Benzo(b)fluoranthene	SNL0093547	LWDS-05-BH11	60	20-MAR-94	8270	330	U	330	F
Benzo(b)fluoranthene	SNL0093645	LWDS-05-BH14	60	23-MAR-94	8270	330	U	330	D
Benzo(b)fluoranthene	SNL0093641	LWDS-05-BH14	60	23-MAR-94	8270	330	U	330	F
Benzo(b)fluoranthene	SNL0091271	LWDS-MW1	60	22-AUG-92	8270	330	U	330	F

Table A-5: Organics analyses of soil samples from ER Site 5.

Analyte	Sample Number	Sample Location	Sample Depth (Ft)	Sample Date	Analytical Method	Amount Detected (ug/kg)	Qualifier	Method Detection Limit	Sample Type
Benzo(b)fluoranthene	SNL0093555	LWDS-05-BH11	65	20-MAR-94	8270	330	U	330	F
Benzo(b)fluoranthene	SNL0091278	LWDS-MW1	68	23-AUG-92	8270	330	U	330	F
Benzo(b)fluoranthene	SNL0093571	LWDS-05-BH11	70	20-MAR-94	8270	330	U	330	D
Benzo(b)fluoranthene	SNL0093563	LWDS-05-BH11	70	20-MAR-94	8270	330	U	330	F
Benzo(b)fluoranthene	SNL0091280	LWDS-MW1	80	23-AUG-92	8270	330	U	330	F
Benzo(b)fluoranthene	SNL0091284	LWDS-MW1	89	23-AUG-92	8270	330	U	330	D
Benzo(b)fluoranthene	SNL0091282	LWDS-MW1	89	23-AUG-92	8270	330	U	330	F
Benzo(b)fluoranthene	SNL0091286	LWDS-MW1	102	24-AUG-92	8270	330	U	330	F
Benzo(b)fluoranthene	SNL0091290	LWDS-MW1	110	24-AUG-92	8270	330	U	330	F
Benzo(b)fluoranthene	SNL0091288	LWDS-MW1	110	24-AUG-92	8270	330	U	330	F
Benzo(b)fluoranthene	SNL0091295	LWDS-MW1	120	25-AUG-92	8270	330	U	330	F
Benzo(b)fluoranthene	SNL0091297	LWDS-MW1	130	25-AUG-92	8270	330	U	330	F
Benzo(b)fluoranthene	SNL0091583	LWDS-MW1	143	02-SEP-92	8270	330	U	330	F
Benzo(b)fluoranthene	SNL0091585	LWDS-MW1	150	02-SEP-92	8270	330	U	330	F
Benzo(b)fluoranthene	SNL0092988	LWDS-MW1	176	06-APR-93	8270	330	U	330	F
Benzo(b)fluoranthene	SNL0092998	LWDS-MW1	202	08-APR-93	8270	330	U	330	F
Benzo(b)fluoranthene	SNL0093012	LWDS-MW1	226	13-APR-93	8270	330	U	330	F
Benzo(b)fluoranthene	SNL0093022	LWDS-MW1	250	14-APR-93	8270	330	U	330	F
Benzo(b)fluoranthene	SNL0093034	LWDS-MW1	274	15-APR-93	8270	330	U	330	F
Benzo(b)fluoranthene	SNL0093054	LWDS-MW1	315	17-APR-93	8270	330	U	330	F
Benzo(b)fluoranthene	SNL0093044	LWDS-MW1	346	19-APR-93	8270	330	U	330	D
Benzo(b)fluoranthene	SNL0093066	LWDS-MW1	346	19-APR-93	8270	330	U	330	F
Benzo(b)fluoranthene	SNL0093078	LWDS-MW1	390	21-APR-93	8270	330	U	330	F
Benzo(b)fluoranthene	SNL0093101	LWDS-MW1	444	27-APR-93	8270	330	U	330	F
Benzo(ghi)perylene	SNL0093720	LWDS-05-BH13	0	29-MAR-94	8270	330	U	330	F
Benzo(ghi)perylene	SNL0093091	LWDS-MW1	0	21-APR-93	8270	330	U	330	F
Benzo(ghi)perylene	SNL0093123	LWDS-MW1	0	30-APR-93	8270	330	U	330	F
Benzo(ghi)perylene	SNL0091259	LWDS-MW1	12	22-AUG-92	8270	330	U	330	F
Benzo(ghi)perylene	SNL0091261	LWDS-MW1	21	22-AUG-92	8270	330	U	330	F
Benzo(ghi)perylene	SNL0093474	LWDS-05-BH11	25	20-MAR-94	8270	330	U	330	F
Benzo(ghi)perylene	SNL0093384	LWDS-05-BH12	25	21-MAR-94	8270	330	U	330	F
Benzo(ghi)perylene	SNL0093294	LWDS-05-BH13	25	22-MAR-94	8270	330	U	330	F
Benzo(ghi)perylene	SNL0093676	LWDS-05-BH14	25	23-MAR-94	8270	330	U	330	F
Benzo(ghi)perylene	SNL0093482	LWDS-05-BH11	30	20-MAR-94	8270	330	U	330	F
Benzo(ghi)perylene	SNL0093392	LWDS-05-BH12	30	21-MAR-94	8270	330	U	330	F
Benzo(ghi)perylene	SNL0093302	LWDS-05-BH13	30	22-MAR-94	8270	330	U	330	F
Benzo(ghi)perylene	SNL0093680	LWDS-05-BH14	30	23-MAR-94	8270	330	U	330	F
Benzo(ghi)perylene	SNL0091263	LWDS-MW1	30	22-AUG-92	8270	330	U	330	F
Benzo(ghi)perylene	SNL0093400	LWDS-05-BH12	32.5	21-MAR-94	8270	330	U	330	F
Benzo(ghi)perylene	SNL0093310	LWDS-05-BH13	32.5	22-MAR-94	8270	330	U	330	F
Benzo(ghi)perylene	SNL0093684	LWDS-05-BH14	32.5	23-MAR-94	8270	330	U	330	F
Benzo(ghi)perylene	SNL0093491	LWDS-05-BH11	35	20-MAR-94	8270	330	U	330	F
Benzo(ghi)perylene	SNL0093408	LWDS-05-BH12	35	21-MAR-94	8270	330	U	330	F
Benzo(ghi)perylene	SNL0093318	LWDS-05-BH13	35	22-MAR-94	8270	330	U	330	F
Benzo(ghi)perylene	SNL0093688	LWDS-05-BH14	35	23-MAR-94	8270	330	U	330	F
Benzo(ghi)perylene	SNL0093589	LWDS-05-BH11	37.5	20-MAR-94	8270	330	U	330	F
Benzo(ghi)perylene	SNL0093416	LWDS-05-BH12	37.5	21-MAR-94	8270	330	U	330	F
Benzo(ghi)perylene	SNL0093326	LWDS-05-BH13	37.5	22-MAR-94	8270	330	U	330	F
Benzo(ghi)perylene	SNL0093692	LWDS-05-BH14	37.5	23-MAR-94	8270	330	U	330	F
Benzo(ghi)perylene	SNL0091265	LWDS-MW1	39	22-AUG-92	8270	330	U	330	F
Benzo(ghi)perylene	SNL0093499	LWDS-05-BH11	40	20-MAR-94	8270	330	U	330	F
Benzo(ghi)perylene	SNL0093424	LWDS-05-BH12	40	21-MAR-94	8270	330	U	330	F
Benzo(ghi)perylene	SNL0093334	LWDS-05-BH13	40	22-MAR-94	8270	330	U	330	F
Benzo(ghi)perylene	SNL0093625	LWDS-05-BH14	40	23-MAR-94	8270	330	U	330	F
Benzo(ghi)perylene	SNL0093507	LWDS-05-BH11	42.5	20-MAR-94	8270	330	U	330	F
Benzo(ghi)perylene	SNL0093515	LWDS-05-BH11	45	20-MAR-94	8270	330	U	330	F
Benzo(ghi)perylene	SNL0093432	LWDS-05-BH12	45	21-MAR-94	8270	330	U	330	F
Benzo(ghi)perylene	SNL0093342	LWDS-05-BH13	45	22-MAR-94	8270	330	U	330	F
Benzo(ghi)perylene	SNL0093629	LWDS-05-BH14	45	23-MAR-94	8270	330	U	330	F
Benzo(ghi)perylene	SNL0093523	LWDS-05-BH11	47.5	20-MAR-94	8270	330	U	330	F
Benzo(ghi)perylene	SNL0093531	LWDS-05-BH11	50	20-MAR-94	8270	330	U	330	F
Benzo(ghi)perylene	SNL0093440	LWDS-05-BH12	50	21-MAR-94	8270	330	U	330	F
Benzo(ghi)perylene	SNL0093350	LWDS-05-BH13	50	22-MAR-94	8270	330	U	330	F
Benzo(ghi)perylene	SNL0093358	LWDS-05-BH13	50	22-MAR-94	8270	330	U	330	F
Benzo(ghi)perylene	SNL0093633	LWDS-05-BH14	50	23-MAR-94	8270	330	U	330	F
Benzo(ghi)perylene	SNL0091269	LWDS-MW1	50	22-AUG-92	8270	330	U	330	D
Benzo(ghi)perylene	SNL0091267	LWDS-MW1	50	22-AUG-92	8270	330	U	330	F

Table A-5: Organics analyses of soil samples from ER Site 5.

Analyte	Sample Number	Sample Location	Sample Depth (Ft)	Sample Date	Analytical Method	Amount Detected (ug/kg)	Qualifier	Method Detection Limit	Sample Type
Benzo(ghi)perylene	SNL0093539	LWDS-05-BH11	55	20-MAR-94	8270	330	U	330	F
Benzo(ghi)perylene	SNL0093448	LWDS-05-BH12	55	21-MAR-94	8270	330	U	330	F
Benzo(ghi)perylene	SNL0093456	LWDS-05-BH12	55	21-MAR-94	8270	330	U	330	D
Benzo(ghi)perylene	SNL0093366	LWDS-05-BH13	55	22-MAR-94	8270	330	U	330	F
Benzo(ghi)perylene	SNL0093637	LWDS-05-BH14	55	23-MAR-94	8270	330	U	330	F
Benzo(ghi)perylene	SNL0093547	LWDS-05-BH11	60	20-MAR-94	8270	330	U	330	F
Benzo(ghi)perylene	SNL0093645	LWDS-05-BH14	60	23-MAR-94	8270	330	U	330	D
Benzo(ghi)perylene	SNL0093641	LWDS-05-BH14	60	23-MAR-94	8270	330	U	330	F
Benzo(ghi)perylene	SNL0091271	LWDS-MW1	60	22-AUG-92	8270	330	U	330	F
Benzo(ghi)perylene	SNL0093555	LWDS-05-BH11	65	20-MAR-94	8270	330	U	330	F
Benzo(ghi)perylene	SNL0091278	LWDS-MW1	68	23-AUG-92	8270	330	U	330	F
Benzo(ghi)perylene	SNL0093571	LWDS-05-BH11	70	20-MAR-94	8270	330	U	330	D
Benzo(ghi)perylene	SNL0093563	LWDS-05-BH11	70	20-MAR-94	8270	330	U	330	F
Benzo(ghi)perylene	SNL0091280	LWDS-MW1	80	23-AUG-92	8270	330	U	330	F
Benzo(ghi)perylene	SNL0091282	LWDS-MW1	89	23-AUG-92	8270	330	U	330	F
Benzo(ghi)perylene	SNL0091284	LWDS-MW1	89	23-AUG-92	8270	330	U	330	D
Benzo(ghi)perylene	SNL0091286	LWDS-MW1	102	24-AUG-92	8270	330	U	330	F
Benzo(ghi)perylene	SNL0091290	LWDS-MW1	110	24-AUG-92	8270	330	U	330	F
Benzo(ghi)perylene	SNL0091288	LWDS-MW1	110	24-AUG-92	8270	330	U	330	F
Benzo(ghi)perylene	SNL0091295	LWDS-MW1	120	25-AUG-92	8270	330	U	330	F
Benzo(ghi)perylene	SNL0091297	LWDS-MW1	130	25-AUG-92	8270	330	U	330	F
Benzo(ghi)perylene	SNL0091583	LWDS-MW1	143	02-SEP-92	8270	330	U	330	F
Benzo(ghi)perylene	SNL0091585	LWDS-MW1	150	02-SEP-92	8270	330	U	330	F
Benzo(ghi)perylene	SNL0092988	LWDS-MW1	176	06-APR-93	8270	330	U	330	F
Benzo(ghi)perylene	SNL0092998	LWDS-MW1	202	08-APR-93	8270	330	U	330	F
Benzo(ghi)perylene	SNL0093012	LWDS-MW1	226	13-APR-93	8270	330	U	330	F
Benzo(ghi)perylene	SNL0093022	LWDS-MW1	250	14-APR-93	8270	330	U	330	F
Benzo(ghi)perylene	SNL0093034	LWDS-MW1	274	15-APR-93	8270	330	U	330	F
Benzo(ghi)perylene	SNL0093054	LWDS-MW1	315	17-APR-93	8270	330	U	330	F
Benzo(ghi)perylene	SNL0093066	LWDS-MW1	346	19-APR-93	8270	330	U	330	F
Benzo(ghi)perylene	SNL0093044	LWDS-MW1	346	19-APR-93	8270	330	U	330	D
Benzo(ghi)perylene	SNL0093078	LWDS-MW1	390	21-APR-93	8270	330	U	330	F
Benzo(ghi)perylene	SNL0093101	LWDS-MW1	444	27-APR-93	8270	330	U	330	F
Benzo(k)fluoranthene	SNL0093720	LWDS-05-BH13	0	29-MAR-94	8270	330	U	330	F
Benzo(k)fluoranthene	SNL0093091	LWDS-MW1	0	21-APR-93	8270	330	U	330	F
Benzo(k)fluoranthene	SNL0093123	LWDS-MW1	0	30-APR-93	8270	330	U	330	F
Benzo(k)fluoranthene	SNL0091259	LWDS-MW1	12	22-AUG-92	8270	330	U	330	F
Benzo(k)fluoranthene	SNL0091261	LWDS-MW1	21	22-AUG-92	8270	330	U	330	F
Benzo(k)fluoranthene	SNL0093474	LWDS-05-BH11	25	20-MAR-94	8270	330	U	330	F
Benzo(k)fluoranthene	SNL0093384	LWDS-05-BH12	25	21-MAR-94	8270	330	U	330	F
Benzo(k)fluoranthene	SNL0093294	LWDS-05-BH13	25	22-MAR-94	8270	330	U	330	F
Benzo(k)fluoranthene	SNL0093676	LWDS-05-BH14	25	23-MAR-94	8270	330	U	330	F
Benzo(k)fluoranthene	SNL0093482	LWDS-05-BH11	30	20-MAR-94	8270	330	U	330	F
Benzo(k)fluoranthene	SNL0093392	LWDS-05-BH12	30	21-MAR-94	8270	330	U	330	F
Benzo(k)fluoranthene	SNL0093302	LWDS-05-BH13	30	22-MAR-94	8270	330	U	330	F
Benzo(k)fluoranthene	SNL0093680	LWDS-05-BH14	30	23-MAR-94	8270	330	U	330	F
Benzo(k)fluoranthene	SNL0091263	LWDS-MW1	30	22-AUG-92	8270	330	U	330	F
Benzo(k)fluoranthene	SNL0093400	LWDS-05-BH12	32.5	21-MAR-94	8270	330	U	330	F
Benzo(k)fluoranthene	SNL0093310	LWDS-05-BH13	32.5	22-MAR-94	8270	330	U	330	F
Benzo(k)fluoranthene	SNL0093684	LWDS-05-BH14	32.5	23-MAR-94	8270	330	U	330	F
Benzo(k)fluoranthene	SNL0093491	LWDS-05-BH11	35	20-MAR-94	8270	330	U	330	F
Benzo(k)fluoranthene	SNL0093408	LWDS-05-BH12	35	21-MAR-94	8270	330	U	330	F
Benzo(k)fluoranthene	SNL0093318	LWDS-05-BH13	35	22-MAR-94	8270	330	U	330	F
Benzo(k)fluoranthene	SNL0093688	LWDS-05-BH14	35	23-MAR-94	8270	330	U	330	F
Benzo(k)fluoranthene	SNL0093589	LWDS-05-BH11	37.5	20-MAR-94	8270	330	U	330	F
Benzo(k)fluoranthene	SNL0093416	LWDS-05-BH12	37.5	21-MAR-94	8270	330	U	330	F
Benzo(k)fluoranthene	SNL0093326	LWDS-05-BH13	37.5	22-MAR-94	8270	330	U	330	F
Benzo(k)fluoranthene	SNL0093692	LWDS-05-BH14	37.5	23-MAR-94	8270	330	U	330	F
Benzo(k)fluoranthene	SNL0091265	LWDS-MW1	39	22-AUG-92	8270	330	U	330	F
Benzo(k)fluoranthene	SNL0093499	LWDS-05-BH11	40	20-MAR-94	8270	330	U	330	F
Benzo(k)fluoranthene	SNL0093424	LWDS-05-BH12	40	21-MAR-94	8270	330	U	330	F
Benzo(k)fluoranthene	SNL0093334	LWDS-05-BH13	40	22-MAR-94	8270	330	U	330	F
Benzo(k)fluoranthene	SNL0093625	LWDS-05-BH14	40	23-MAR-94	8270	330	U	330	F
Benzo(k)fluoranthene	SNL0093507	LWDS-05-BH11	42.5	20-MAR-94	8270	330	U	330	F
Benzo(k)fluoranthene	SNL0093515	LWDS-05-BH11	45	20-MAR-94	8270	330	U	330	F
Benzo(k)fluoranthene	SNL0093432	LWDS-05-BH12	45	21-MAR-94	8270	330	U	330	F
Benzo(k)fluoranthene	SNL0093342	LWDS-05-BH13	45	22-MAR-94	8270	330	U	330	F

Table A-5: Organics analyses of soil samples from ER Site 5.

Analyte	Sample Number	Sample Location	Sample Depth (Ft)	Sample Date	Analytical Method	Amount Detected (ug/kg)	Qualifier	Method Detection Limit	Sample Type
Benzo(k)fluoranthene	SNL0093629	LWDS-05-BH14	45	23-MAR-94	8270	330	U	330	F
Benzo(k)fluoranthene	SNL0093523	LWDS-05-BH11	47.5	20-MAR-94	8270	330	U	330	F
Benzo(k)fluoranthene	SNL0093531	LWDS-05-BH11	50	20-MAR-94	8270	330	U	330	F
Benzo(k)fluoranthene	SNL0093440	LWDS-05-BH12	50	21-MAR-94	8270	330	U	330	F
Benzo(k)fluoranthene	SNL0093350	LWDS-05-BH13	50	22-MAR-94	8270	330	U	330	F
Benzo(k)fluoranthene	SNL0093358	LWDS-05-BH13	50	22-MAR-94	8270	330	U	330	F
Benzo(k)fluoranthene	SNL0093633	LWDS-05-BH14	50	23-MAR-94	8270	330	U	330	F
Benzo(k)fluoranthene	SNL0091269	LWDS-MW1	50	22-AUG-92	8270	330	U	330	D
Benzo(k)fluoranthene	SNL0091267	LWDS-MW1	50	22-AUG-92	8270	330	U	330	F
Benzo(k)fluoranthene	SNL0093539	LWDS-05-BH11	55	20-MAR-94	8270	330	U	330	F
Benzo(k)fluoranthene	SNL0093456	LWDS-05-BH12	55	21-MAR-94	8270	330	U	330	D
Benzo(k)fluoranthene	SNL0093448	LWDS-05-BH12	55	21-MAR-94	8270	330	U	330	F
Benzo(k)fluoranthene	SNL0093366	LWDS-05-BH13	55	22-MAR-94	8270	330	U	330	F
Benzo(k)fluoranthene	SNL0093637	LWDS-05-BH14	55	23-MAR-94	8270	330	U	330	F
Benzo(k)fluoranthene	SNL0093547	LWDS-05-BH11	60	20-MAR-94	8270	330	U	330	F
Benzo(k)fluoranthene	SNL0093645	LWDS-05-BH14	60	23-MAR-94	8270	330	U	330	D
Benzo(k)fluoranthene	SNL0093641	LWDS-05-BH14	60	23-MAR-94	8270	330	U	330	F
Benzo(k)fluoranthene	SNL0091271	LWDS-MW1	60	22-AUG-92	8270	330	U	330	F
Benzo(k)fluoranthene	SNL0093555	LWDS-05-BH11	65	20-MAR-94	8270	330	U	330	F
Benzo(k)fluoranthene	SNL0091278	LWDS-MW1	68	23-AUG-92	8270	330	U	330	F
Benzo(k)fluoranthene	SNL0093571	LWDS-05-BH11	70	20-MAR-94	8270	330	U	330	D
Benzo(k)fluoranthene	SNL0093563	LWDS-05-BH11	70	20-MAR-94	8270	330	U	330	F
Benzo(k)fluoranthene	SNL0091280	LWDS-MW1	80	23-AUG-92	8270	330	U	330	F
Benzo(k)fluoranthene	SNL0091284	LWDS-MW1	89	23-AUG-92	8270	330	U	330	D
Benzo(k)fluoranthene	SNL0091282	LWDS-MW1	89	23-AUG-92	8270	330	U	330	F
Benzo(k)fluoranthene	SNL0091286	LWDS-MW1	102	24-AUG-92	8270	330	U	330	F
Benzo(k)fluoranthene	SNL0091290	LWDS-MW1	110	24-AUG-92	8270	330	U	330	F
Benzo(k)fluoranthene	SNL0091288	LWDS-MW1	110	24-AUG-92	8270	330	U	330	F
Benzo(k)fluoranthene	SNL0091295	LWDS-MW1	120	25-AUG-92	8270	330	U	330	F
Benzo(k)fluoranthene	SNL0091297	LWDS-MW1	130	25-AUG-92	8270	330	U	330	F
Benzo(k)fluoranthene	SNL0091583	LWDS-MW1	143	02-SEP-92	8270	330	U	330	F
Benzo(k)fluoranthene	SNL0091585	LWDS-MW1	150	02-SEP-92	8270	330	U	330	F
Benzo(k)fluoranthene	SNL0092988	LWDS-MW1	176	06-APR-93	8270	330	U	330	F
Benzo(k)fluoranthene	SNL0092998	LWDS-MW1	202	08-APR-93	8270	330	U	330	F
Benzo(k)fluoranthene	SNL0093012	LWDS-MW1	226	13-APR-93	8270	330	U	330	F
Benzo(k)fluoranthene	SNL0093022	LWDS-MW1	250	14-APR-93	8270	330	U	330	F
Benzo(k)fluoranthene	SNL0093034	LWDS-MW1	274	15-APR-93	8270	330	U	330	F
Benzo(k)fluoranthene	SNL0093054	LWDS-MW1	315	17-APR-93	8270	330	U	330	F
Benzo(k)fluoranthene	SNL0093066	LWDS-MW1	346	19-APR-93	8270	330	U	330	F
Benzo(k)fluoranthene	SNL0093044	LWDS-MW1	346	19-APR-93	8270	330	U	330	D
Benzo(k)fluoranthene	SNL0093078	LWDS-MW1	390	21-APR-93	8270	330	U	330	F
Benzo(k)fluoranthene	SNL0093101	LWDS-MW1	444	27-APR-93	8270	330	U	330	F
Benzoic acid	SNL0093720	LWDS-05-BH13	0	29-MAR-94	8270	1600	U	1600	F
Benzoic acid	SNL0093091	LWDS-MW1	0	21-APR-93	8270	1600	U	1600	F
Benzoic acid	SNL0093123	LWDS-MW1	0	30-APR-93	8270	1600	U	1600	F
Benzoic acid	SNL0091259	LWDS-MW1	12	22-AUG-92	8270	1600	U	1600	F
Benzoic acid	SNL0091261	LWDS-MW1	21	22-AUG-92	8270	1600	U	1600	F
Benzoic acid	SNL0093474	LWDS-05-BH11	25	20-MAR-94	8270	1600	U	1600	F
Benzoic acid	SNL0093384	LWDS-05-BH12	25	21-MAR-94	8270	1600	U	1600	F
Benzoic acid	SNL0093294	LWDS-05-BH13	25	22-MAR-94	8270	1600	U	1600	F
Benzoic acid	SNL0093676	LWDS-05-BH14	25	23-MAR-94	8270	1600	U	1600	F
Benzoic acid	SNL0093482	LWDS-05-BH11	30	20-MAR-94	8270	1600	U	1600	F
Benzoic acid	SNL0093392	LWDS-05-BH12	30	21-MAR-94	8270	1600	U	1600	F
Benzoic acid	SNL0093302	LWDS-05-BH13	30	22-MAR-94	8270	1600	U	1600	F
Benzoic acid	SNL0093680	LWDS-05-BH14	30	23-MAR-94	8270	1600	U	1600	F
Benzoic acid	SNL0091263	LWDS-MW1	30	22-AUG-92	8270	1600	U	1600	F
Benzoic acid	SNL0093400	LWDS-05-BH12	32.5	21-MAR-94	8270	1600	U	1600	F
Benzoic acid	SNL0093310	LWDS-05-BH13	32.5	22-MAR-94	8270	1600	U	1600	F
Benzoic acid	SNL0093684	LWDS-05-BH14	32.5	23-MAR-94	8270	1600	U	1600	F
Benzoic acid	SNL0093491	LWDS-05-BH11	35	20-MAR-94	8270	1600	U	1600	F
Benzoic acid	SNL0093408	LWDS-05-BH12	35	21-MAR-94	8270	1600	U	1600	F
Benzoic acid	SNL0093318	LWDS-05-BH13	35	22-MAR-94	8270	1600	U	1600	F
Benzoic acid	SNL0093688	LWDS-05-BH14	35	23-MAR-94	8270	1600	U	1600	F
Benzoic acid	SNL0093589	LWDS-05-BH11	37.5	20-MAR-94	8270	1600	U	1600	F
Benzoic acid	SNL0093416	LWDS-05-BH12	37.5	21-MAR-94	8270	1600	U	1600	F
Benzoic acid	SNL0093326	LWDS-05-BH13	37.5	22-MAR-94	8270	1600	U	1600	F
Benzoic acid	SNL0093692	LWDS-05-BH14	37.5	23-MAR-94	8270	1600	U	1600	F

Table A-5: Organics analyses of soil samples from ER Site 5.

Analyte	Sample Number	Sample Location	Sample Depth (Ft)	Sample Date	Analytical Method	Amount Detected (ug/kg)	Qualifier	Method Detection Limit	Sample Type
Benzoic acid	SNL0091265	LWDS-MW1	39	22-AUG-92	8270	1600	U	1600	F
Benzoic acid	SNL0093499	LWDS-05-BH11	40	20-MAR-94	8270	1600	U	1600	F
Benzoic acid	SNL0093424	LWDS-05-BH12	40	21-MAR-94	8270	1600	U	1600	F
Benzoic acid	SNL0093334	LWDS-05-BH13	40	22-MAR-94	8270	1600	U	1600	F
Benzoic acid	SNL0093625	LWDS-05-BH14	40	23-MAR-94	8270	1600	U	1600	F
Benzoic acid	SNL0093507	LWDS-05-BH11	42.5	20-MAR-94	8270	1600	U	1600	F
Benzoic acid	SNL0093515	LWDS-05-BH11	45	20-MAR-94	8270	1600	U	1600	F
Benzoic acid	SNL0093432	LWDS-05-BH12	45	21-MAR-94	8270	1600	U	1600	F
Benzoic acid	SNL0093342	LWDS-05-BH13	45	22-MAR-94	8270	1600	U	1600	F
Benzoic acid	SNL0093629	LWDS-05-BH14	45	23-MAR-94	8270	1600	U	1600	F
Benzoic acid	SNL0093523	LWDS-05-BH11	47.5	20-MAR-94	8270	1600	U	1600	F
Benzoic acid	SNL0093531	LWDS-05-BH11	50	20-MAR-94	8270	1600	U	1600	F
Benzoic acid	SNL0093440	LWDS-05-BH12	50	21-MAR-94	8270	1600	U	1600	F
Benzoic acid	SNL0093350	LWDS-05-BH13	50	22-MAR-94	8270	1600	U	1600	F
Benzoic acid	SNL0093358	LWDS-05-BH13	50	22-MAR-94	8270	1600	U	1600	F
Benzoic acid	SNL0093633	LWDS-05-BH14	50	23-MAR-94	8270	1600	U	1600	F
Benzoic acid	SNL0091269	LWDS-MW1	50	22-AUG-92	8270	1600	U	1600	D
Benzoic acid	SNL0091267	LWDS-MW1	50	22-AUG-92	8270	1600	U	1600	F
Benzoic acid	SNL0093539	LWDS-05-BH11	55	20-MAR-94	8270	1600	U	1600	F
Benzoic acid	SNL0093456	LWDS-05-BH12	55	21-MAR-94	8270	1600	U	1600	D
Benzoic acid	SNL0093448	LWDS-05-BH12	55	21-MAR-94	8270	1600	U	1600	F
Benzoic acid	SNL0093366	LWDS-05-BH13	55	22-MAR-94	8270	1600	U	1600	F
Benzoic acid	SNL0093637	LWDS-05-BH14	55	23-MAR-94	8270	1600	U	1600	F
Benzoic acid	SNL0093547	LWDS-05-BH11	60	20-MAR-94	8270	1600	U	1600	F
Benzoic acid	SNL0093645	LWDS-05-BH14	60	23-MAR-94	8270	1600	U	1600	D
Benzoic acid	SNL0093641	LWDS-05-BH14	60	23-MAR-94	8270	1600	U	1600	F
Benzoic acid	SNL0091271	LWDS-MW1	60	22-AUG-92	8270	1600	U	1600	F
Benzoic acid	SNL0093555	LWDS-05-BH11	65	20-MAR-94	8270	1600	U	1600	F
Benzoic acid	SNL0091278	LWDS-MW1	68	23-AUG-92	8270	1600	U	1600	F
Benzoic acid	SNL0093563	LWDS-05-BH11	70	20-MAR-94	8270	1600	U	1600	F
Benzoic acid	SNL0093571	LWDS-05-BH11	70	20-MAR-94	8270	1600	U	1600	D
Benzoic acid	SNL0091280	LWDS-MW1	80	23-AUG-92	8270	1600	U	1600	F
Benzoic acid	SNL0091284	LWDS-MW1	89	23-AUG-92	8270	1600	U	1600	D
Benzoic acid	SNL0091282	LWDS-MW1	89	23-AUG-92	8270	1600	U	1600	F
Benzoic acid	SNL0091286	LWDS-MW1	102	24-AUG-92	8270	1600	U	1600	F
Benzoic acid	SNL0091288	LWDS-MW1	110	24-AUG-92	8270	1600	U	1600	F
Benzoic acid	SNL0091290	LWDS-MW1	110	24-AUG-92	8270	1600	U	1600	F
Benzoic acid	SNL0091295	LWDS-MW1	120	25-AUG-92	8270	1600	U	1600	F
Benzoic acid	SNL0091297	LWDS-MW1	130	25-AUG-92	8270	1600	U	1600	F
Benzoic acid	SNL0091583	LWDS-MW1	143	02-SEP-92	8270	1600	U	1600	F
Benzoic acid	SNL0091585	LWDS-MW1	150	02-SEP-92	8270	1600	U	1600	F
Benzoic acid	SNL0092988	LWDS-MW1	176	06-APR-93	8270	1600	U	1600	F
Benzoic acid	SNL0092998	LWDS-MW1	202	08-APR-93	8270	1600	U	1600	F
Benzoic acid	SNL0093012	LWDS-MW1	226	13-APR-93	8270	1600	U	1600	F
Benzoic acid	SNL0093022	LWDS-MW1	250	14-APR-93	8270	1600	U	1600	F
Benzoic acid	SNL0093034	LWDS-MW1	274	15-APR-93	8270	1600	U	1600	F
Benzoic acid	SNL0093054	LWDS-MW1	315	17-APR-93	8270	1600	U	1600	F
Benzoic acid	SNL0093044	LWDS-MW1	346	19-APR-93	8270	1600	U	1600	D
Benzoic acid	SNL0093066	LWDS-MW1	346	19-APR-93	8270	1600	U	1600	F
Benzoic acid	SNL0093078	LWDS-MW1	390	21-APR-93	8270	1600	U	1600	F
Benzoic acid	SNL0093101	LWDS-MW1	444	27-APR-93	8270	1600	U	1600	F
Benzyl alcohol	SNL0093720	LWDS-05-BH13	0	29-MAR-94	8270	330	U	330	F
Benzyl alcohol	SNL0093091	LWDS-MW1	0	21-APR-93	8270	330	U	330	F
Benzyl alcohol	SNL0093123	LWDS-MW1	0	30-APR-93	8270	330	U	330	F
Benzyl alcohol	SNL0091259	LWDS-MW1	12	22-AUG-92	8270	330	U	330	F
Benzyl alcohol	SNL0091261	LWDS-MW1	21	22-AUG-92	8270	330	U	330	F
Benzyl alcohol	SNL0093474	LWDS-05-BH11	25	20-MAR-94	8270	330	U	330	F
Benzyl alcohol	SNL0093384	LWDS-05-BH12	25	21-MAR-94	8270	330	U	330	F
Benzyl alcohol	SNL0093294	LWDS-05-BH13	25	22-MAR-94	8270	330	U	330	F
Benzyl alcohol	SNL0093676	LWDS-05-BH14	25	23-MAR-94	8270	330	U	330	F
Benzyl alcohol	SNL0093482	LWDS-05-BH11	30	20-MAR-94	8270	330	U	330	F
Benzyl alcohol	SNL0093392	LWDS-05-BH12	30	21-MAR-94	8270	330	U	330	F
Benzyl alcohol	SNL0093302	LWDS-05-BH13	30	22-MAR-94	8270	330	U	330	F
Benzyl alcohol	SNL0093680	LWDS-05-BH14	30	23-MAR-94	8270	330	U	330	F
Benzyl alcohol	SNL0091263	LWDS-MW1	30	22-AUG-92	8270	330	U	330	F
Benzyl alcohol	SNL0093400	LWDS-05-BH12	32.5	21-MAR-94	8270	330	U	330	F
Benzyl alcohol	SNL0093310	LWDS-05-BH13	32.5	22-MAR-94	8270	330	U	330	F

Table A-5: Organics analyses of soil samples from ER Site 5.

Analyte	Sample Number	Sample Location	Sample Depth (Ft)	Sample Date	Analytical Method	Amount Detected (ug/kg)	Qualifier	Method Detection Limit	Sample Type
Benzyl alcohol	SNL0093684	LWDS-05-BH14	32.5	23-MAR-94	8270	330	U	330	F
Benzyl alcohol	SNL0093491	LWDS-05-BH11	35	20-MAR-94	8270	330	U	330	F
Benzyl alcohol	SNL0093408	LWDS-05-BH12	35	21-MAR-94	8270	330	U	330	F
Benzyl alcohol	SNL0093318	LWDS-05-BH13	35	22-MAR-94	8270	330	U	330	F
Benzyl alcohol	SNL0093688	LWDS-05-BH14	35	23-MAR-94	8270	330	U	330	F
Benzyl alcohol	SNL0093589	LWDS-05-BH11	37.5	20-MAR-94	8270	330	U	330	F
Benzyl alcohol	SNL0093416	LWDS-05-BH12	37.5	21-MAR-94	8270	330	U	330	F
Benzyl alcohol	SNL0093326	LWDS-05-BH13	37.5	22-MAR-94	8270	330	U	330	F
Benzyl alcohol	SNL0093692	LWDS-05-BH14	37.5	23-MAR-94	8270	330	U	330	F
Benzyl alcohol	SNL0091265	LWDS-MW1	39	22-AUG-92	8270	330	U	330	F
Benzyl alcohol	SNL0093499	LWDS-05-BH11	40	20-MAR-94	8270	330	U	330	F
Benzyl alcohol	SNL0093424	LWDS-05-BH12	40	21-MAR-94	8270	330	U	330	F
Benzyl alcohol	SNL0093334	LWDS-05-BH13	40	22-MAR-94	8270	330	U	330	F
Benzyl alcohol	SNL0093625	LWDS-05-BH14	40	23-MAR-94	8270	330	U	330	F
Benzyl alcohol	SNL0093507	LWDS-05-BH11	42.5	20-MAR-94	8270	330	U	330	F
Benzyl alcohol	SNL0093515	LWDS-05-BH11	45	20-MAR-94	8270	330	U	330	F
Benzyl alcohol	SNL0093432	LWDS-05-BH12	45	21-MAR-94	8270	330	U	330	F
Benzyl alcohol	SNL0093342	LWDS-05-BH13	45	22-MAR-94	8270	330	U	330	F
Benzyl alcohol	SNL0093629	LWDS-05-BH14	45	23-MAR-94	8270	330	U	330	F
Benzyl alcohol	SNL0093523	LWDS-05-BH11	47.5	20-MAR-94	8270	330	U	330	F
Benzyl alcohol	SNL0093531	LWDS-05-BH11	50	20-MAR-94	8270	330	U	330	F
Benzyl alcohol	SNL0093440	LWDS-05-BH12	50	21-MAR-94	8270	330	U	330	F
Benzyl alcohol	SNL0093350	LWDS-05-BH13	50	22-MAR-94	8270	330	U	330	F
Benzyl alcohol	SNL0093358	LWDS-05-BH13	50	22-MAR-94	8270	330	U	330	F
Benzyl alcohol	SNL0093633	LWDS-05-BH14	50	23-MAR-94	8270	330	U	330	F
Benzyl alcohol	SNL0091269	LWDS-MW1	50	22-AUG-92	8270	330	U	330	D
Benzyl alcohol	SNL0091267	LWDS-MW1	50	22-AUG-92	8270	330	U	330	F
Benzyl alcohol	SNL0093539	LWDS-05-BH11	55	20-MAR-94	8270	330	U	330	F
Benzyl alcohol	SNL0093456	LWDS-05-BH12	55	21-MAR-94	8270	330	U	330	D
Benzyl alcohol	SNL0093448	LWDS-05-BH12	55	21-MAR-94	8270	330	U	330	F
Benzyl alcohol	SNL0093366	LWDS-05-BH13	55	22-MAR-94	8270	330	U	330	F
Benzyl alcohol	SNL0093637	LWDS-05-BH14	55	23-MAR-94	8270	330	U	330	F
Benzyl alcohol	SNL0093547	LWDS-05-BH11	60	20-MAR-94	8270	330	U	330	F
Benzyl alcohol	SNL0093645	LWDS-05-BH14	60	23-MAR-94	8270	330	U	330	D
Benzyl alcohol	SNL0093641	LWDS-05-BH14	60	23-MAR-94	8270	330	U	330	F
Benzyl alcohol	SNL0091271	LWDS-MW1	60	22-AUG-92	8270	330	U	330	F
Benzyl alcohol	SNL0093555	LWDS-05-BH11	65	20-MAR-94	8270	330	U	330	F
Benzyl alcohol	SNL0091278	LWDS-MW1	68	23-AUG-92	8270	330	U	330	F
Benzyl alcohol	SNL0093571	LWDS-05-BH11	70	20-MAR-94	8270	330	U	330	D
Benzyl alcohol	SNL0093563	LWDS-05-BH11	70	20-MAR-94	8270	330	U	330	F
Benzyl alcohol	SNL0091280	LWDS-MW1	80	23-AUG-92	8270	330	U	330	F
Benzyl alcohol	SNL0091284	LWDS-MW1	89	23-AUG-92	8270	330	U	330	D
Benzyl alcohol	SNL0091282	LWDS-MW1	89	23-AUG-92	8270	330	U	330	F
Benzyl alcohol	SNL0091286	LWDS-MW1	102	24-AUG-92	8270	330	U	330	F
Benzyl alcohol	SNL0091290	LWDS-MW1	110	24-AUG-92	8270	330	U	330	F
Benzyl alcohol	SNL0091288	LWDS-MW1	110	24-AUG-92	8270	330	U	330	F
Benzyl alcohol	SNL0091295	LWDS-MW1	120	25-AUG-92	8270	330	U	330	F
Benzyl alcohol	SNL0091297	LWDS-MW1	130	25-AUG-92	8270	330	U	330	F
Benzyl alcohol	SNL0091583	LWDS-MW1	143	02-SEP-92	8270	330	U	330	F
Benzyl alcohol	SNL0091585	LWDS-MW1	150	02-SEP-92	8270	330	U	330	F
Benzyl alcohol	SNL0092988	LWDS-MW1	176	06-APR-93	8270	330	U	330	F
Benzyl alcohol	SNL0092998	LWDS-MW1	202	08-APR-93	8270	330	U	330	F
Benzyl alcohol	SNL0093012	LWDS-MW1	226	13-APR-93	8270	330	U	330	F
Benzyl alcohol	SNL0093022	LWDS-MW1	250	14-APR-93	8270	330	U	330	F
Benzyl alcohol	SNL0093034	LWDS-MW1	274	15-APR-93	8270	330	U	330	F
Benzyl alcohol	SNL0093054	LWDS-MW1	315	17-APR-93	8270	330	U	330	F
Benzyl alcohol	SNL0093066	LWDS-MW1	346	19-APR-93	8270	330	U	330	F
Benzyl alcohol	SNL0093044	LWDS-MW1	346	19-APR-93	8270	330	U	330	D
Benzyl alcohol	SNL0093078	LWDS-MW1	390	21-APR-93	8270	330	U	330	F
Benzyl alcohol	SNL0093101	LWDS-MW1	444	27-APR-93	8270	330	U	330	F
Bromodichloromethane	SNL0093572	LWDS-05-BH11	0	20-MAR-94	8240	5	U	5	TB
Bromodichloromethane	SNL0093466	LWDS-05-BH12	0	21-MAR-94	8240	5	U	5	TB
Bromodichloromethane	SNL0093717	LWDS-05-BH13	0	29-MAR-94	8240	5	U	5	F
Bromodichloromethane	SNL0093375	LWDS-05-BH13	0	22-MAR-94	8240	5	U	5	TB
Bromodichloromethane	SNL0093655	LWDS-05-BH14	0	23-MAR-94	8240	5	U	5	TB
Bromodichloromethane	SNL0093083	LWDS-MW1	0	21-APR-93	8240	5	U	5	F
Bromodichloromethane	SNL0093115	LWDS-MW1	0	30-APR-93	8240	5	U	5	F

Table A-5: Organics analyses of soil samples from ER Site 5.

Analyte	Sample Number	Sample Location	Sample Depth (Ft)	Sample Date	Analytical Method	Amount Detected (ug/kg)	Qualifier	Method Detection Limit	Sample Type
Bromodichloromethane	SNL0091258	LWDS-MW1	12	22-AUG-92	8240	5	U	5	F
Bromodichloromethane	SNL0091260	LWDS-MW1	21	22-AUG-92	8240	5	U	5	F
Bromodichloromethane	SNL0093467	LWDS-05-BH11	25	20-MAR-94	8240	5	U	5	F
Bromodichloromethane	SNL0093377	LWDS-05-BH12	25	21-MAR-94	8240	5	U	5	F
Bromodichloromethane	SNL0093287	LWDS-05-BH13	25	22-MAR-94	8240	5	U	5	F
Bromodichloromethane	SNL0093673	LWDS-05-BH14	25	23-MAR-94	8240	5	U	5	F
Bromodichloromethane	SNL0093475	LWDS-05-BH11	30	20-MAR-94	8240	5	U	5	F
Bromodichloromethane	SNL0093385	LWDS-05-BH12	30	21-MAR-94	8240	5	U	5	F
Bromodichloromethane	SNL0093295	LWDS-05-BH13	30	22-MAR-94	8240	5	U	5	F
Bromodichloromethane	SNL0093677	LWDS-05-BH14	30	23-MAR-94	8240	5	U	5	F
Bromodichloromethane	SNL0091262	LWDS-MW1	30	22-AUG-92	8240	5	U	5	F
Bromodichloromethane	SNL0093483	LWDS-05-BH11	32.5	20-MAR-94	8240	5	U	5	F
Bromodichloromethane	SNL0093393	LWDS-05-BH12	32.5	21-MAR-94	8240	5	U	5	F
Bromodichloromethane	SNL0093303	LWDS-05-BH13	32.5	22-MAR-94	8240	5	U	5	F
Bromodichloromethane	SNL0093681	LWDS-05-BH14	32.5	23-MAR-94	8240	5	U	5	F
Bromodichloromethane	SNL0093484	LWDS-05-BH11	35	20-MAR-94	8240	5	U	5	F
Bromodichloromethane	SNL0093401	LWDS-05-BH12	35	21-MAR-94	8240	5	U	5	F
Bromodichloromethane	SNL0093311	LWDS-05-BH13	35	22-MAR-94	8240	5	U	5	F
Bromodichloromethane	SNL0093685	LWDS-05-BH14	35	23-MAR-94	8240	5	U	5	F
Bromodichloromethane	SNL0093582	LWDS-05-BH11	37.5	20-MAR-94	8240	5	U	5	F
Bromodichloromethane	SNL0093409	LWDS-05-BH12	37.5	21-MAR-94	8240	5	U	5	F
Bromodichloromethane	SNL0093319	LWDS-05-BH13	37.5	22-MAR-94	8240	5	U	5	F
Bromodichloromethane	SNL0093689	LWDS-05-BH14	37.5	23-MAR-94	8240	5	U	5	F
Bromodichloromethane	SNL0091264	LWDS-MW1	39	22-AUG-92	8240	5	U	5	F
Bromodichloromethane	SNL0093492	LWDS-05-BH11	40	20-MAR-94	8240	5	U	5	F
Bromodichloromethane	SNL0093417	LWDS-05-BH12	40	21-MAR-94	8240	5	U	5	F
Bromodichloromethane	SNL0093327	LWDS-05-BH13	40	22-MAR-94	8240	5	U	5	F
Bromodichloromethane	SNL0093693	LWDS-05-BH14	40	23-MAR-94	8240	5	U	5	F
Bromodichloromethane	SNL0093500	LWDS-05-BH11	42.5	20-MAR-94	8240	5	U	5	F
Bromodichloromethane	SNL0093508	LWDS-05-BH11	45	20-MAR-94	8240	5	U	5	F
Bromodichloromethane	SNL0093425	LWDS-05-BH12	45	21-MAR-94	8240	5	U	5	F
Bromodichloromethane	SNL0093335	LWDS-05-BH13	45	22-MAR-94	8240	5	U	5	F
Bromodichloromethane	SNL0093626	LWDS-05-BH14	45	23-MAR-94	8240	5	U	5	F
Bromodichloromethane	SNL0093516	LWDS-05-BH11	47.5	20-MAR-94	8240	5	U	5	F
Bromodichloromethane	SNL0093524	LWDS-05-BH11	50	20-MAR-94	8240	5	U	5	F
Bromodichloromethane	SNL0093433	LWDS-05-BH12	50	21-MAR-94	8240	5	U	5	F
Bromodichloromethane	SNL0093351	LWDS-05-BH13	50	22-MAR-94	8240	5	U	5	D
Bromodichloromethane	SNL0093343	LWDS-05-BH13	50	22-MAR-94	8240	5	U	5	F
Bromodichloromethane	SNL0093630	LWDS-05-BH14	50	23-MAR-94	8240	5	U	5	F
Bromodichloromethane	SNL0091268	LWDS-MW1	50	22-AUG-92	8240	5	U	5	D
Bromodichloromethane	SNL0091266	LWDS-MW1	50	22-AUG-92	8240	5	U	5	F
Bromodichloromethane	SNL0093532	LWDS-05-BH11	55	20-MAR-94	8240	5	U	5	F
Bromodichloromethane	SNL0093449	LWDS-05-BH12	55	21-MAR-94	8240	5	U	5	D
Bromodichloromethane	SNL0093441	LWDS-05-BH12	55	21-MAR-94	8240	5	U	5	F
Bromodichloromethane	SNL0093359	LWDS-05-BH13	55	22-MAR-94	8240	5	U	5	F
Bromodichloromethane	SNL0093634	LWDS-05-BH14	55	23-MAR-94	8240	5	U	5	F
Bromodichloromethane	SNL0093540	LWDS-05-BH11	60	20-MAR-94	8240	5	U	5	F
Bromodichloromethane	SNL0093642	LWDS-05-BH14	60	23-MAR-94	8240	5	U	5	D
Bromodichloromethane	SNL0093638	LWDS-05-BH14	60	23-MAR-94	8240	5	U	5	F
Bromodichloromethane	SNL0091270	LWDS-MW1	60	22-AUG-92	8240	5	U	5	F
Bromodichloromethane	SNL0093548	LWDS-05-BH11	65	20-MAR-94	8240	5	U	5	F
Bromodichloromethane	SNL0091277	LWDS-MW1	68	23-AUG-92	8240	5	U	5	F
Bromodichloromethane	SNL0093556	LWDS-05-BH11	70	20-MAR-94	8240	5	U	5	F
Bromodichloromethane	SNL0093564	LWDS-05-BH11	70	20-MAR-94	8240	5	U	5	D
Bromodichloromethane	SNL0091279	LWDS-MW1	80	23-AUG-92	8240	5	U	5	F
Bromodichloromethane	SNL0091283	LWDS-MW1	89	23-AUG-92	8240	5	U	5	D
Bromodichloromethane	SNL0091281	LWDS-MW1	89	23-AUG-92	8240	5	U	5	F
Bromodichloromethane	SNL0091285	LWDS-MW1	102	24-AUG-92	8240	5	U	5	F
Bromodichloromethane	SNL0091289	LWDS-MW1	110	24-AUG-92	8240	5	U	5	F
Bromodichloromethane	SNL0091287	LWDS-MW1	110	24-AUG-92	8240	5	U	5	F
Bromodichloromethane	SNL0091294	LWDS-MW1	120	25-AUG-92	8240	5	U	5	F
Bromodichloromethane	SNL0091296	LWDS-MW1	130	25-AUG-92	8240	5	U	5	F
Bromodichloromethane	SNL0091582	LWDS-MW1	143	02-SEP-92	8240	5	U	5	F
Bromodichloromethane	SNL0091584	LWDS-MW1	150	02-SEP-92	8240	5	U	5	F
Bromodichloromethane	SNL0092980	LWDS-MW1	176	06-APR-93	8240	5	U	5	F
Bromodichloromethane	SNL0092990	LWDS-MW1	202	08-APR-93	8240	5	U	5	F
Bromodichloromethane	SNL0093004	LWDS-MW1	226	13-APR-93	8240	5	U	5	F

Table A-5: Organics analyses of soil samples from ER Site 5.

Analyte	Sample Number	Sample Location	Sample Depth (Ft)	Sample Date	Analytical Method	Amount Detected (ug/kg)	Qualifier	Method Detection Limit	Sample Type
Bromodichloromethane	SNL0093014	LWDS-MW1	250	14-APR-93	8240	5	U	5	F
Bromodichloromethane	SNL0093026	LWDS-MW1	274	15-APR-93	8240	5	U	5	F
Bromodichloromethane	SNL0093046	LWDS-MW1	315	17-APR-93	8240	5	U	5	F
Bromodichloromethane	SNL0093036	LWDS-MW1	346	19-APR-93	8240	5	U	5	D
Bromodichloromethane	SNL0093058	LWDS-MW1	346	19-APR-93	8240	5	U	5	F
Bromodichloromethane	SNL0093070	LWDS-MW1	390	21-APR-93	8240	5	U	5	F
Bromodichloromethane	SNL0093093	LWDS-MW1	444	27-APR-93	8240	5	U	5	F
Bromoform	SNL0093572	LWDS-05-BH11	0	20-MAR-94	8240	5	U	5	TB
Bromoform	SNL0093466	LWDS-05-BH12	0	21-MAR-94	8240	5	U	5	TB
Bromoform	SNL0093375	LWDS-05-BH13	0	22-MAR-94	8240	5	U	5	TB
Bromoform	SNL0093717	LWDS-05-BH13	0	29-MAR-94	8240	5	U	5	F
Bromoform	SNL0093655	LWDS-05-BH14	0	23-MAR-94	8240	5	U	5	TB
Bromoform	SNL0093083	LWDS-MW1	0	21-APR-93	8240	5	U	5	F
Bromoform	SNL0093115	LWDS-MW1	0	30-APR-93	8240	5	U	5	F
Bromoform	SNL0091258	LWDS-MW1	12	22-AUG-92	8240	5	U	5	F
Bromoform	SNL0091260	LWDS-MW1	21	22-AUG-92	8240	5	U	5	F
Bromoform	SNL0093467	LWDS-05-BH11	25	20-MAR-94	8240	5	U	5	F
Bromoform	SNL0093377	LWDS-05-BH12	25	21-MAR-94	8240	5	U	5	F
Bromoform	SNL0093287	LWDS-05-BH13	25	22-MAR-94	8240	5	U	5	F
Bromoform	SNL0093673	LWDS-05-BH14	25	23-MAR-94	8240	5	U	5	F
Bromoform	SNL0093475	LWDS-05-BH11	30	20-MAR-94	8240	5	U	5	F
Bromoform	SNL0093385	LWDS-05-BH12	30	21-MAR-94	8240	5	U	5	F
Bromoform	SNL0093295	LWDS-05-BH13	30	22-MAR-94	8240	5	U	5	F
Bromoform	SNL0093677	LWDS-05-BH14	30	23-MAR-94	8240	5	U	5	F
Bromoform	SNL0091262	LWDS-MW1	30	22-AUG-92	8240	5	U	5	F
Bromoform	SNL0093483	LWDS-05-BH11	32.5	20-MAR-94	8240	5	U	5	F
Bromoform	SNL0093393	LWDS-05-BH12	32.5	21-MAR-94	8240	5	U	5	F
Bromoform	SNL0093303	LWDS-05-BH13	32.5	22-MAR-94	8240	5	U	5	F
Bromoform	SNL0093681	LWDS-05-BH14	32.5	23-MAR-94	8240	5	U	5	F
Bromoform	SNL0093484	LWDS-05-BH11	35	20-MAR-94	8240	5	U	5	F
Bromoform	SNL0093401	LWDS-05-BH12	35	21-MAR-94	8240	5	U	5	F
Bromoform	SNL0093311	LWDS-05-BH13	35	22-MAR-94	8240	5	U	5	F
Bromoform	SNL0093685	LWDS-05-BH14	35	23-MAR-94	8240	5	U	5	F
Bromoform	SNL0093582	LWDS-05-BH11	37.5	20-MAR-94	8240	5	U	5	F
Bromoform	SNL0093409	LWDS-05-BH12	37.5	21-MAR-94	8240	5	U	5	F
Bromoform	SNL0093319	LWDS-05-BH13	37.5	22-MAR-94	8240	5	U	5	F
Bromoform	SNL0093689	LWDS-05-BH14	37.5	23-MAR-94	8240	5	U	5	F
Bromoform	SNL0091264	LWDS-MW1	39	22-AUG-92	8240	5	U	5	F
Bromoform	SNL0093492	LWDS-05-BH11	40	20-MAR-94	8240	5	U	5	F
Bromoform	SNL0093417	LWDS-05-BH12	40	21-MAR-94	8240	5	U	5	F
Bromoform	SNL0093327	LWDS-05-BH13	40	22-MAR-94	8240	5	U	5	F
Bromoform	SNL0093693	LWDS-05-BH14	40	23-MAR-94	8240	5	U	5	F
Bromoform	SNL0093500	LWDS-05-BH11	42.5	20-MAR-94	8240	5	U	5	F
Bromoform	SNL0093508	LWDS-05-BH11	45	20-MAR-94	8240	5	U	5	F
Bromoform	SNL0093425	LWDS-05-BH12	45	21-MAR-94	8240	5	U	5	F
Bromoform	SNL0093335	LWDS-05-BH13	45	22-MAR-94	8240	5	U	5	F
Bromoform	SNL0093626	LWDS-05-BH14	45	23-MAR-94	8240	5	U	5	F
Bromoform	SNL0093516	LWDS-05-BH11	47.5	20-MAR-94	8240	5	U	5	F
Bromoform	SNL0093524	LWDS-05-BH11	50	20-MAR-94	8240	5	U	5	F
Bromoform	SNL0093433	LWDS-05-BH12	50	21-MAR-94	8240	5	U	5	F
Bromoform	SNL0093351	LWDS-05-BH13	50	22-MAR-94	8240	5	U	5	D
Bromoform	SNL0093343	LWDS-05-BH13	50	22-MAR-94	8240	5	U	5	F
Bromoform	SNL0093630	LWDS-05-BH14	50	23-MAR-94	8240	5	U	5	F
Bromoform	SNL0091268	LWDS-MW1	50	22-AUG-92	8240	5	U	5	D
Bromoform	SNL0091266	LWDS-MW1	50	22-AUG-92	8240	5	U	5	F
Bromoform	SNL0093532	LWDS-05-BH11	55	20-MAR-94	8240	5	U	5	F
Bromoform	SNL0093449	LWDS-05-BH12	55	21-MAR-94	8240	5	U	5	D
Bromoform	SNL0093441	LWDS-05-BH12	55	21-MAR-94	8240	5	U	5	F
Bromoform	SNL0093359	LWDS-05-BH13	55	22-MAR-94	8240	5	U	5	F
Bromoform	SNL0093634	LWDS-05-BH14	55	23-MAR-94	8240	5	U	5	F
Bromoform	SNL0093540	LWDS-05-BH11	60	20-MAR-94	8240	5	U	5	F
Bromoform	SNL0093642	LWDS-05-BH14	60	23-MAR-94	8240	5	U	5	D
Bromoform	SNL0093638	LWDS-05-BH14	60	23-MAR-94	8240	5	U	5	F
Bromoform	SNL0091270	LWDS-MW1	60	22-AUG-92	8240	5	U	5	F
Bromoform	SNL0093548	LWDS-05-BH11	65	20-MAR-94	8240	5	U	5	F
Bromoform	SNL0091277	LWDS-MW1	68	23-AUG-92	8240	5	U	5	F
Bromoform	SNL0093564	LWDS-05-BH11	70	20-MAR-94	8240	5	U	5	D

Table A-5: Organics analyses of soil samples from ER Site 5.

Analyte	Sample Number	Sample Location	Sample Depth (Ft)	Sample Date	Analytical Method	Amount Detected (ug/kg)	Qualifier	Method Detection Limit	Sample Type
Bromoform	SNL0093556	LWDS-05-BH11	70	20-MAR-94	8240	5	U	5	F
Bromoform	SNL0091279	LWDS-MW1	80	23-AUG-92	8240	5	U	5	F
Bromoform	SNL0091283	LWDS-MW1	89	23-AUG-92	8240	5	U	5	D
Bromoform	SNL0091281	LWDS-MW1	89	23-AUG-92	8240	5	U	5	F
Bromoform	SNL0091285	LWDS-MW1	102	24-AUG-92	8240	5	U	5	F
Bromoform	SNL0091289	LWDS-MW1	110	24-AUG-92	8240	5	U	5	F
Bromoform	SNL0091287	LWDS-MW1	110	24-AUG-92	8240	5	U	5	F
Bromoform	SNL0091294	LWDS-MW1	120	25-AUG-92	8240	5	U	5	F
Bromoform	SNL0091296	LWDS-MW1	130	25-AUG-92	8240	5	U	5	F
Bromoform	SNL0091582	LWDS-MW1	143	02-SEP-92	8240	5	U	5	F
Bromoform	SNL0091584	LWDS-MW1	150	02-SEP-92	8240	5	U	5	F
Bromoform	SNL0092980	LWDS-MW1	176	06-APR-93	8240	5	U	5	F
Bromoform	SNL0092990	LWDS-MW1	202	08-APR-93	8240	5	U	5	F
Bromoform	SNL0093004	LWDS-MW1	226	13-APR-93	8240	5	U	5	F
Bromoform	SNL0093014	LWDS-MW1	250	14-APR-93	8240	5	U	5	F
Bromoform	SNL0093026	LWDS-MW1	274	15-APR-93	8240	5	U	5	F
Bromoform	SNL0093046	LWDS-MW1	315	17-APR-93	8240	5	U	5	F
Bromoform	SNL0093058	LWDS-MW1	346	19-APR-93	8240	5	U	5	F
Bromoform	SNL0093036	LWDS-MW1	346	19-APR-93	8240	5	U	5	D
Bromoform	SNL0093070	LWDS-MW1	390	21-APR-93	8240	5	U	5	F
Bromoform	SNL0093093	LWDS-MW1	444	27-APR-93	8240	5	U	5	F
Bromomethane	SNL0093572	LWDS-05-BH11	0	20-MAR-94	8240	10	U	10	TB
Bromomethane	SNL0093466	LWDS-05-BH12	0	21-MAR-94	8240	10	U	10	TB
Bromomethane	SNL0093375	LWDS-05-BH13	0	22-MAR-94	8240	10	U	10	TB
Bromomethane	SNL0093717	LWDS-05-BH13	0	29-MAR-94	8240	10	U	10	F
Bromomethane	SNL0093655	LWDS-05-BH14	0	23-MAR-94	8240	10	U	10	TB
Bromomethane	SNL0093115	LWDS-MW1	0	30-APR-93	8240	10	U	10	F
Bromomethane	SNL0093083	LWDS-MW1	0	21-APR-93	8240	10	U	10	F
Bromomethane	SNL0091258	LWDS-MW1	12	22-AUG-92	8240	10	U	10	F
Bromomethane	SNL0091260	LWDS-MW1	21	22-AUG-92	8240	10	U	10	F
Bromomethane	SNL0093467	LWDS-05-BH11	25	20-MAR-94	8240	10	U	10	F
Bromomethane	SNL0093377	LWDS-05-BH12	25	21-MAR-94	8240	10	U	10	F
Bromomethane	SNL0093287	LWDS-05-BH13	25	22-MAR-94	8240	10	U	10	F
Bromomethane	SNL0093673	LWDS-05-BH14	25	23-MAR-94	8240	10	U	10	F
Bromomethane	SNL0093475	LWDS-05-BH11	30	20-MAR-94	8240	10	U	10	F
Bromomethane	SNL0093385	LWDS-05-BH12	30	21-MAR-94	8240	10	U	10	F
Bromomethane	SNL0093295	LWDS-05-BH13	30	22-MAR-94	8240	10	U	10	F
Bromomethane	SNL0093677	LWDS-05-BH14	30	23-MAR-94	8240	10	U	10	F
Bromomethane	SNL0091262	LWDS-MW1	30	22-AUG-92	8240	10	U	10	F
Bromomethane	SNL0093483	LWDS-05-BH11	32.5	20-MAR-94	8240	10	U	10	F
Bromomethane	SNL0093393	LWDS-05-BH12	32.5	21-MAR-94	8240	10	U	10	F
Bromomethane	SNL0093303	LWDS-05-BH13	32.5	22-MAR-94	8240	10	U	10	F
Bromomethane	SNL0093681	LWDS-05-BH14	32.5	23-MAR-94	8240	10	U	10	F
Bromomethane	SNL0093484	LWDS-05-BH11	35	20-MAR-94	8240	10	U	10	F
Bromomethane	SNL0093401	LWDS-05-BH12	35	21-MAR-94	8240	10	U	10	F
Bromomethane	SNL0093311	LWDS-05-BH13	35	22-MAR-94	8240	10	U	10	F
Bromomethane	SNL0093685	LWDS-05-BH14	35	23-MAR-94	8240	10	U	10	F
Bromomethane	SNL0093582	LWDS-05-BH11	37.5	20-MAR-94	8240	10	U	10	F
Bromomethane	SNL0093409	LWDS-05-BH12	37.5	21-MAR-94	8240	10	U	10	F
Bromomethane	SNL0093319	LWDS-05-BH13	37.5	22-MAR-94	8240	10	U	10	F
Bromomethane	SNL0093689	LWDS-05-BH14	37.5	23-MAR-94	8240	10	U	10	F
Bromomethane	SNL0091264	LWDS-MW1	39	22-AUG-92	8240	10	U	10	F
Bromomethane	SNL0093492	LWDS-05-BH11	40	20-MAR-94	8240	10	U	10	F
Bromomethane	SNL0093417	LWDS-05-BH12	40	21-MAR-94	8240	10	U	10	F
Bromomethane	SNL0093327	LWDS-05-BH13	40	22-MAR-94	8240	10	U	10	F
Bromomethane	SNL0093693	LWDS-05-BH14	40	23-MAR-94	8240	10	U	10	F
Bromomethane	SNL0093500	LWDS-05-BH11	42.5	20-MAR-94	8240	10	U	10	F
Bromomethane	SNL0093508	LWDS-05-BH11	45	20-MAR-94	8240	10	U	10	F
Bromomethane	SNL0093425	LWDS-05-BH12	45	21-MAR-94	8240	10	U	10	F
Bromomethane	SNL0093335	LWDS-05-BH13	45	22-MAR-94	8240	10	U	10	F
Bromomethane	SNL0093626	LWDS-05-BH14	45	23-MAR-94	8240	10	U	10	F
Bromomethane	SNL0093516	LWDS-05-BH11	47.5	20-MAR-94	8240	10	U	10	F
Bromomethane	SNL0093524	LWDS-05-BH11	50	20-MAR-94	8240	10	U	10	F
Bromomethane	SNL0093433	LWDS-05-BH12	50	21-MAR-94	8240	10	U	10	F
Bromomethane	SNL0093351	LWDS-05-BH13	50	22-MAR-94	8240	10	U	10	D
Bromomethane	SNL0093343	LWDS-05-BH13	50	22-MAR-94	8240	10	U	10	F
Bromomethane	SNL0093630	LWDS-05-BH14	50	23-MAR-94	8240	10	U	10	F

Table A-5: Organics analyses of soil samples from ER Site 5.

Analyte	Sample Number	Sample Location	Sample Depth (Ft)	Sample Date	Analytical Method	Amount Detected (ug/kg)	Qualifier	Method Detection Limit	Sample Type
Bromomethane	SNL0091268	LWDS-MW1	50	22-AUG-92	8240	10	U	10	D
Bromomethane	SNL0091266	LWDS-MW1	50	22-AUG-92	8240	10	U	10	F
Bromomethane	SNL0093532	LWDS-05-BH11	55	20-MAR-94	8240	10	U	10	F
Bromomethane	SNL0093449	LWDS-05-BH12	55	21-MAR-94	8240	10	U	10	D
Bromomethane	SNL0093441	LWDS-05-BH12	55	21-MAR-94	8240	10	U	10	F
Bromomethane	SNL0093359	LWDS-05-BH13	55	22-MAR-94	8240	10	U	10	F
Bromomethane	SNL0093634	LWDS-05-BH14	55	23-MAR-94	8240	10	U	10	F
Bromomethane	SNL0093540	LWDS-05-BH11	60	20-MAR-94	8240	10	U	10	F
Bromomethane	SNL0093638	LWDS-05-BH14	60	23-MAR-94	8240	10	U	10	F
Bromomethane	SNL0093642	LWDS-05-BH14	60	23-MAR-94	8240	10	U	10	D
Bromomethane	SNL0091270	LWDS-MW1	60	22-AUG-92	8240	10	U	10	F
Bromomethane	SNL0093548	LWDS-05-BH11	65	20-MAR-94	8240	10	U	10	F
Bromomethane	SNL0091277	LWDS-MW1	68	23-AUG-92	8240	10	U	10	F
Bromomethane	SNL0093564	LWDS-05-BH11	70	20-MAR-94	8240	10	U	10	D
Bromomethane	SNL0093556	LWDS-05-BH11	70	20-MAR-94	8240	10	U	10	F
Bromomethane	SNL0091279	LWDS-MW1	80	23-AUG-92	8240	10	U	10	F
Bromomethane	SNL0091283	LWDS-MW1	89	23-AUG-92	8240	10	U	10	D
Bromomethane	SNL0091281	LWDS-MW1	89	23-AUG-92	8240	10	U	10	F
Bromomethane	SNL0091285	LWDS-MW1	102	24-AUG-92	8240	10	U	10	F
Bromomethane	SNL0091287	LWDS-MW1	110	24-AUG-92	8240	10	U	10	F
Bromomethane	SNL0091289	LWDS-MW1	110	24-AUG-92	8240	10	U	10	F
Bromomethane	SNL0091294	LWDS-MW1	120	25-AUG-92	8240	10	U	10	F
Bromomethane	SNL0091296	LWDS-MW1	130	25-AUG-92	8240	10	U	10	F
Bromomethane	SNL0091582	LWDS-MW1	143	02-SEP-92	8240	10	U	10	F
Bromomethane	SNL0091584	LWDS-MW1	150	02-SEP-92	8240	10	U	10	F
Bromomethane	SNL0092980	LWDS-MW1	176	06-APR-93	8240	10	U	10	F
Bromomethane	SNL0092990	LWDS-MW1	202	08-APR-93	8240	10	U	10	F
Bromomethane	SNL0093004	LWDS-MW1	226	13-APR-93	8240	10	U	10	F
Bromomethane	SNL0093014	LWDS-MW1	250	14-APR-93	8240	10	U	10	F
Bromomethane	SNL0093026	LWDS-MW1	274	15-APR-93	8240	10	U	10	F
Bromomethane	SNL0093046	LWDS-MW1	315	17-APR-93	8240	10	U	10	F
Bromomethane	SNL0093058	LWDS-MW1	346	19-APR-93	8240	10	U	10	F
Bromomethane	SNL0093036	LWDS-MW1	346	19-APR-93	8240	10	U	10	D
Bromomethane	SNL0093070	LWDS-MW1	390	21-APR-93	8240	10	U	10	F
Bromomethane	SNL0093093	LWDS-MW1	444	27-APR-93	8240	10	U	10	F
Bromophenyl phenyl ether, 4	SNL0093720	LWDS-05-BH13	0	29-MAR-94	8270	330	U	330	F
Bromophenyl phenyl ether, 4	SNL0093091	LWDS-MW1	0	21-APR-93	8270	330	U	330	F
Bromophenyl phenyl ether, 4	SNL0093123	LWDS-MW1	0	30-APR-93	8270	330	U	330	F
Bromophenyl phenyl ether, 4	SNL0091259	LWDS-MW1	12	22-AUG-92	8270	330	U	330	F
Bromophenyl phenyl ether, 4	SNL0091261	LWDS-MW1	21	22-AUG-92	8270	330	U	330	F
Bromophenyl phenyl ether, 4	SNL0093474	LWDS-05-BH11	25	20-MAR-94	8270	330	U	330	F
Bromophenyl phenyl ether, 4	SNL0093384	LWDS-05-BH12	25	21-MAR-94	8270	330	U	330	F
Bromophenyl phenyl ether, 4	SNL0093294	LWDS-05-BH13	25	22-MAR-94	8270	330	U	330	F
Bromophenyl phenyl ether, 4	SNL0093676	LWDS-05-BH14	25	23-MAR-94	8270	330	U	330	F
Bromophenyl phenyl ether, 4	SNL0093482	LWDS-05-BH11	30	20-MAR-94	8270	330	U	330	F
Bromophenyl phenyl ether, 4	SNL0093392	LWDS-05-BH12	30	21-MAR-94	8270	330	U	330	F
Bromophenyl phenyl ether, 4	SNL0093302	LWDS-05-BH13	30	22-MAR-94	8270	330	U	330	F
Bromophenyl phenyl ether, 4	SNL0093680	LWDS-05-BH14	30	23-MAR-94	8270	330	U	330	F
Bromophenyl phenyl ether, 4	SNL0091263	LWDS-MW1	30	22-AUG-92	8270	330	U	330	F
Bromophenyl phenyl ether, 4	SNL0093400	LWDS-05-BH12	32.5	21-MAR-94	8270	330	U	330	F
Bromophenyl phenyl ether, 4	SNL0093310	LWDS-05-BH13	32.5	22-MAR-94	8270	330	U	330	F
Bromophenyl phenyl ether, 4	SNL0093684	LWDS-05-BH14	32.5	23-MAR-94	8270	330	U	330	F
Bromophenyl phenyl ether, 4	SNL0093491	LWDS-05-BH11	35	20-MAR-94	8270	330	U	330	F
Bromophenyl phenyl ether, 4	SNL0093408	LWDS-05-BH12	35	21-MAR-94	8270	330	U	330	F
Bromophenyl phenyl ether, 4	SNL0093318	LWDS-05-BH13	35	22-MAR-94	8270	330	U	330	F
Bromophenyl phenyl ether, 4	SNL0093688	LWDS-05-BH14	35	23-MAR-94	8270	330	U	330	F
Bromophenyl phenyl ether, 4	SNL0093589	LWDS-05-BH11	37.5	20-MAR-94	8270	330	U	330	F
Bromophenyl phenyl ether, 4	SNL0093416	LWDS-05-BH12	37.5	21-MAR-94	8270	330	U	330	F
Bromophenyl phenyl ether, 4	SNL0093326	LWDS-05-BH13	37.5	22-MAR-94	8270	330	U	330	F
Bromophenyl phenyl ether, 4	SNL0093692	LWDS-05-BH14	37.5	23-MAR-94	8270	330	U	330	F
Bromophenyl phenyl ether, 4	SNL0091265	LWDS-MW1	39	22-AUG-92	8270	330	U	330	F
Bromophenyl phenyl ether, 4	SNL0093499	LWDS-05-BH11	40	20-MAR-94	8270	330	U	330	F
Bromophenyl phenyl ether, 4	SNL0093424	LWDS-05-BH12	40	21-MAR-94	8270	330	U	330	F
Bromophenyl phenyl ether, 4	SNL0093334	LWDS-05-BH13	40	22-MAR-94	8270	330	U	330	F
Bromophenyl phenyl ether, 4	SNL0093625	LWDS-05-BH14	40	23-MAR-94	8270	330	U	330	F
Bromophenyl phenyl ether, 4	SNL0093507	LWDS-05-BH11	42.5	20-MAR-94	8270	330	U	330	F
Bromophenyl phenyl ether, 4	SNL0093515	LWDS-05-BH11	45	20-MAR-94	8270	330	U	330	F

Table A-5: Organics analyses of soil samples from ER Site 5.

Analyte	Sample Number	Sample Location	Sample Depth (Ft)	Sample Date	Analytical Method	Amount Detected (ug/kg)	Qualifier	Method Detection Limit	Sample Type
Bromophenyl phenyl ether, 4	SNL0093432	LWDS-05-BH12	45	21-MAR-94	8270	330	U	330	F
Bromophenyl phenyl ether, 4	SNL0093342	LWDS-05-BH13	45	22-MAR-94	8270	330	U	330	F
Bromophenyl phenyl ether, 4	SNL0093629	LWDS-05-BH14	45	23-MAR-94	8270	330	U	330	F
Bromophenyl phenyl ether, 4	SNL0093523	LWDS-05-BH11	47.5	20-MAR-94	8270	330	U	330	F
Bromophenyl phenyl ether, 4	SNL0093531	LWDS-05-BH11	50	20-MAR-94	8270	330	U	330	F
Bromophenyl phenyl ether, 4	SNL0093440	LWDS-05-BH12	50	21-MAR-94	8270	330	U	330	F
Bromophenyl phenyl ether, 4	SNL0093350	LWDS-05-BH13	50	22-MAR-94	8270	330	U	330	F
Bromophenyl phenyl ether, 4	SNL0093358	LWDS-05-BH13	50	22-MAR-94	8270	330	U	330	F
Bromophenyl phenyl ether, 4	SNL0093633	LWDS-05-BH14	50	23-MAR-94	8270	330	U	330	F
Bromophenyl phenyl ether, 4	SNL0091269	LWDS-MW1	50	22-AUG-92	8270	330	U	330	D
Bromophenyl phenyl ether, 4	SNL0091267	LWDS-MW1	50	22-AUG-92	8270	330	U	330	F
Bromophenyl phenyl ether, 4	SNL0093539	LWDS-05-BH11	55	20-MAR-94	8270	330	U	330	F
Bromophenyl phenyl ether, 4	SNL0093456	LWDS-05-BH12	55	21-MAR-94	8270	330	U	330	D
Bromophenyl phenyl ether, 4	SNL0093448	LWDS-05-BH12	55	21-MAR-94	8270	330	U	330	F
Bromophenyl phenyl ether, 4	SNL0093366	LWDS-05-BH13	55	22-MAR-94	8270	330	U	330	F
Bromophenyl phenyl ether, 4	SNL0093637	LWDS-05-BH14	55	23-MAR-94	8270	330	U	330	F
Bromophenyl phenyl ether, 4	SNL0093547	LWDS-05-BH11	60	20-MAR-94	8270	330	U	330	F
Bromophenyl phenyl ether, 4	SNL0093645	LWDS-05-BH14	60	23-MAR-94	8270	330	U	330	D
Bromophenyl phenyl ether, 4	SNL0093641	LWDS-05-BH14	60	23-MAR-94	8270	330	U	330	F
Bromophenyl phenyl ether, 4	SNL0091271	LWDS-MW1	60	22-AUG-92	8270	330	U	330	F
Bromophenyl phenyl ether, 4	SNL0093555	LWDS-05-BH11	65	20-MAR-94	8270	330	U	330	F
Bromophenyl phenyl ether, 4	SNL0091278	LWDS-MW1	68	23-AUG-92	8270	330	U	330	F
Bromophenyl phenyl ether, 4	SNL0093571	LWDS-05-BH11	70	20-MAR-94	8270	330	U	330	D
Bromophenyl phenyl ether, 4	SNL0093563	LWDS-05-BH11	70	20-MAR-94	8270	330	U	330	F
Bromophenyl phenyl ether, 4	SNL0091280	LWDS-MW1	80	23-AUG-92	8270	330	U	330	F
Bromophenyl phenyl ether, 4	SNL0091284	LWDS-MW1	89	23-AUG-92	8270	330	U	330	D
Bromophenyl phenyl ether, 4	SNL0091282	LWDS-MW1	89	23-AUG-92	8270	330	U	330	F
Bromophenyl phenyl ether, 4	SNL0091286	LWDS-MW1	102	24-AUG-92	8270	330	U	330	F
Bromophenyl phenyl ether, 4	SNL0091290	LWDS-MW1	110	24-AUG-92	8270	330	U	330	F
Bromophenyl phenyl ether, 4	SNL0091288	LWDS-MW1	110	24-AUG-92	8270	330	U	330	F
Bromophenyl phenyl ether, 4	SNL0091295	LWDS-MW1	120	25-AUG-92	8270	330	U	330	F
Bromophenyl phenyl ether, 4	SNL0091297	LWDS-MW1	130	25-AUG-92	8270	330	U	330	F
Bromophenyl phenyl ether, 4	SNL0091583	LWDS-MW1	143	02-SEP-92	8270	330	U	330	F
Bromophenyl phenyl ether, 4	SNL0091585	LWDS-MW1	150	02-SEP-92	8270	330	U	330	F
Bromophenyl phenyl ether, 4	SNL0092988	LWDS-MW1	176	06-APR-93	8270	330	U	330	F
Bromophenyl phenyl ether, 4	SNL0092998	LWDS-MW1	202	08-APR-93	8270	330	U	330	F
Bromophenyl phenyl ether, 4	SNL0093012	LWDS-MW1	226	13-APR-93	8270	330	U	330	F
Bromophenyl phenyl ether, 4	SNL0093022	LWDS-MW1	250	14-APR-93	8270	330	U	330	F
Bromophenyl phenyl ether, 4	SNL0093034	LWDS-MW1	274	15-APR-93	8270	330	U	330	F
Bromophenyl phenyl ether, 4	SNL0093054	LWDS-MW1	315	17-APR-93	8270	330	U	330	F
Bromophenyl phenyl ether, 4	SNL0093044	LWDS-MW1	346	19-APR-93	8270	330	U	330	D
Bromophenyl phenyl ether, 4	SNL0093066	LWDS-MW1	346	19-APR-93	8270	330	U	330	F
Bromophenyl phenyl ether, 4	SNL0093078	LWDS-MW1	390	21-APR-93	8270	330	U	330	F
Bromophenyl phenyl ether, 4	SNL0093101	LWDS-MW1	444	27-APR-93	8270	330	U	330	F
Butanone, 2-	SNL0093572	LWDS-05-BH11	0	20-MAR-94	8240	10	U	10	TB
Butanone, 2-	SNL0093466	LWDS-05-BH12	0	21-MAR-94	8240	10	U	10	TB
Butanone, 2-	SNL0093375	LWDS-05-BH13	0	22-MAR-94	8240	10	U	10	TB
Butanone, 2-	SNL0093717	LWDS-05-BH13	0	29-MAR-94	8240	10	U	10	F
Butanone, 2-	SNL0093655	LWDS-05-BH14	0	23-MAR-94	8240	10	U	10	TB
Butanone, 2-	SNL0093083	LWDS-MW1	0	21-APR-93	8240	10	U	10	F
Butanone, 2-	SNL0093115	LWDS-MW1	0	30-APR-93	8240	10	U	10	F
Butanone, 2-	SNL0091258	LWDS-MW1	12	22-AUG-92	8240	10	U	10	F
Butanone, 2-	SNL0091260	LWDS-MW1	21	22-AUG-92	8240	10	U	10	F
Butanone, 2-	SNL0093467	LWDS-05-BH11	25	20-MAR-94	8240	10	U	10	F
Butanone, 2-	SNL0093377	LWDS-05-BH12	25	21-MAR-94	8240	10	U	10	F
Butanone, 2-	SNL0093287	LWDS-05-BH13	25	22-MAR-94	8240	10	U	10	F
Butanone, 2-	SNL0093673	LWDS-05-BH14	25	23-MAR-94	8240	10	U	10	F
Butanone, 2-	SNL0093475	LWDS-05-BH11	30	20-MAR-94	8240	2.2	J	10	F
Butanone, 2-	SNL0093385	LWDS-05-BH12	30	21-MAR-94	8240	10	U	10	F
Butanone, 2-	SNL0093295	LWDS-05-BH13	30	22-MAR-94	8240	10	U	10	F
Butanone, 2-	SNL0093677	LWDS-05-BH14	30	23-MAR-94	8240	10	U	10	F
Butanone, 2-	SNL0091262	LWDS-MW1	30	22-AUG-92	8240	10	U	10	F
Butanone, 2-	SNL0093483	LWDS-05-BH11	32.5	20-MAR-94	8240	10	U	10	F
Butanone, 2-	SNL0093393	LWDS-05-BH12	32.5	21-MAR-94	8240	5.1	J	10	F
Butanone, 2-	SNL0093303	LWDS-05-BH13	32.5	22-MAR-94	8240	10	U	10	F
Butanone, 2-	SNL0093681	LWDS-05-BH14	32.5	23-MAR-94	8240	10	U	10	F
Butanone, 2-	SNL0093484	LWDS-05-BH11	35	20-MAR-94	8240	10	U	10	F

Table A-5: Organics analyses of soil samples from ER Site 5.

Analyte	Sample Number	Sample Location	Sample Depth (Ft)	Sample Date	Analytical Method	Amount Detected (ug/kg)	Qualifier	Method Detection Limit	Sample Type
Butanone, 2-	SNL0093401	LWDS-05-BH12	35	21-MAR-94	8240	5	J	10	F
Butanone, 2-	SNL0093311	LWDS-05-BH13	35	22-MAR-94	8240	10	U	10	F
Butanone, 2-	SNL0093685	LWDS-05-BH14	35	23-MAR-94	8240	10	U	10	F
Butanone, 2-	SNL0093582	LWDS-05-BH11	37.5	20-MAR-94	8240	10	U	10	F
Butanone, 2-	SNL0093409	LWDS-05-BH12	37.5	21-MAR-94	8240	10	U	10	F
Butanone, 2-	SNL0093319	LWDS-05-BH13	37.5	22-MAR-94	8240	10	U	10	F
Butanone, 2-	SNL0093689	LWDS-05-BH14	37.5	23-MAR-94	8240	10	U	10	F
Butanone, 2-	SNL0091264	LWDS-MW1	39	22-AUG-92	8240	10	U	10	F
Butanone, 2-	SNL0093492	LWDS-05-BH11	40	20-MAR-94	8240	10	U	10	F
Butanone, 2-	SNL0093417	LWDS-05-BH12	40	21-MAR-94	8240	5.6	J	10	F
Butanone, 2-	SNL0093327	LWDS-05-BH13	40	22-MAR-94	8240	10	U	10	F
Butanone, 2-	SNL0093693	LWDS-05-BH14	40	23-MAR-94	8240	10	U	10	F
Butanone, 2-	SNL0093500	LWDS-05-BH11	42.5	20-MAR-94	8240	10	U	10	F
Butanone, 2-	SNL0093508	LWDS-05-BH11	45	20-MAR-94	8240	10	U	10	F
Butanone, 2-	SNL0093425	LWDS-05-BH12	45	21-MAR-94	8240	10	U	10	F
Butanone, 2-	SNL0093335	LWDS-05-BH13	45	22-MAR-94	8240	10		10	F
Butanone, 2-	SNL0093626	LWDS-05-BH14	45	23-MAR-94	8240	10	U	10	F
Butanone, 2-	SNL0093516	LWDS-05-BH11	47.5	20-MAR-94	8240	10	U	10	F
Butanone, 2-	SNL0093524	LWDS-05-BH11	50	20-MAR-94	8240	10	U	10	F
Butanone, 2-	SNL0093433	LWDS-05-BH12	50	21-MAR-94	8240	10	U	10	F
Butanone, 2-	SNL0093351	LWDS-05-BH13	50	22-MAR-94	8240	10	U	10	D
Butanone, 2-	SNL0093343	LWDS-05-BH13	50	22-MAR-94	8240	10	U	10	F
Butanone, 2-	SNL0093630	LWDS-05-BH14	50	23-MAR-94	8240	10	U	10	F
Butanone, 2-	SNL0091268	LWDS-MW1	50	22-AUG-92	8240	10	U	10	D
Butanone, 2-	SNL0091266	LWDS-MW1	50	22-AUG-92	8240	10	U	10	F
Butanone, 2-	SNL0093532	LWDS-05-BH11	55	20-MAR-94	8240	10	U	10	F
Butanone, 2-	SNL0093449	LWDS-05-BH12	55	21-MAR-94	8240	10	U	10	D
Butanone, 2-	SNL0093441	LWDS-05-BH12	55	21-MAR-94	8240	10	U	10	F
Butanone, 2-	SNL0093359	LWDS-05-BH13	55	22-MAR-94	8240	10	U	10	F
Butanone, 2-	SNL0093634	LWDS-05-BH14	55	23-MAR-94	8240	10	U	10	F
Butanone, 2-	SNL0093540	LWDS-05-BH11	60	20-MAR-94	8240	10	U	10	F
Butanone, 2-	SNL0093642	LWDS-05-BH14	60	23-MAR-94	8240	10	U	10	D
Butanone, 2-	SNL0093638	LWDS-05-BH14	60	23-MAR-94	8240	10	U	10	F
Butanone, 2-	SNL0091270	LWDS-MW1	60	22-AUG-92	8240	10	U	10	F
Butanone, 2-	SNL0093548	LWDS-05-BH11	65	20-MAR-94	8240	10	U	10	F
Butanone, 2-	SNL0091277	LWDS-MW1	68	23-AUG-92	8240	10	U	10	F
Butanone, 2-	SNL0093564	LWDS-05-BH11	70	20-MAR-94	8240	10	U	10	D
Butanone, 2-	SNL0093556	LWDS-05-BH11	70	20-MAR-94	8240	10	U	10	F
Butanone, 2-	SNL0091279	LWDS-MW1	80	23-AUG-92	8240	10	U	10	F
Butanone, 2-	SNL0091283	LWDS-MW1	89	23-AUG-92	8240	10	U	10	D
Butanone, 2-	SNL0091281	LWDS-MW1	89	23-AUG-92	8240	10	U	10	F
Butanone, 2-	SNL0091285	LWDS-MW1	102	24-AUG-92	8240	10	U	10	F
Butanone, 2-	SNL0091289	LWDS-MW1	110	24-AUG-92	8240	10	U	10	F
Butanone, 2-	SNL0091287	LWDS-MW1	110	24-AUG-92	8240	10	U	10	F
Butanone, 2-	SNL0091294	LWDS-MW1	120	25-AUG-92	8240	10	U	10	F
Butanone, 2-	SNL0091296	LWDS-MW1	130	25-AUG-92	8240	10	U	10	F
Butanone, 2-	SNL0091582	LWDS-MW1	143	02-SEP-92	8240	20		10	F
Butanone, 2-	SNL0091584	LWDS-MW1	150	02-SEP-92	8240	10	U	10	F
Butanone, 2-	SNL0092980	LWDS-MW1	176	06-APR-93	8240	10	U	10	F
Butanone, 2-	SNL0092990	LWDS-MW1	202	08-APR-93	8240	10	U	10	F
Butanone, 2-	SNL0093004	LWDS-MW1	226	13-APR-93	8240	10	U	10	F
Butanone, 2-	SNL0093014	LWDS-MW1	250	14-APR-93	8240	10	U	10	F
Butanone, 2-	SNL0093026	LWDS-MW1	274	15-APR-93	8240	10	U	10	F
Butanone, 2-	SNL0093046	LWDS-MW1	315	17-APR-93	8240	10	U	10	F
Butanone, 2-	SNL0093058	LWDS-MW1	346	19-APR-93	8240	10	U	10	F
Butanone, 2-	SNL0093036	LWDS-MW1	346	19-APR-93	8240	10	U	10	D
Butanone, 2-	SNL0093070	LWDS-MW1	390	21-APR-93	8240	10	U	10	F
Butanone, 2-	SNL0093093	LWDS-MW1	444	27-APR-93	8240	10	U	10	F
Butylbenzyl phthalate	SNL0093720	LWDS-05-BH13	0	29-MAR-94	8270	330	U	330	F
Butylbenzyl phthalate	SNL0093123	LWDS-MW1	0	30-APR-93	8270	330	U	330	F
Butylbenzyl phthalate	SNL0093091	LWDS-MW1	0	21-APR-93	8270	330	U	330	F
Butylbenzyl phthalate	SNL0091259	LWDS-MW1	12	22-AUG-92	8270	330	U	330	F
Butylbenzyl phthalate	SNL0091261	LWDS-MW1	21	22-AUG-92	8270	330	U	330	F
Butylbenzyl phthalate	SNL0093474	LWDS-05-BH11	25	20-MAR-94	8270	330	U	330	F
Butylbenzyl phthalate	SNL0093384	LWDS-05-BH12	25	21-MAR-94	8270	330	U	330	F
Butylbenzyl phthalate	SNL0093294	LWDS-05-BH13	25	22-MAR-94	8270	330	U	330	F
Butylbenzyl phthalate	SNL0093676	LWDS-05-BH14	25	23-MAR-94	8270	330	U	330	F

Table A-5: Organics analyses of soil samples from ER Site 5.

Analyte	Sample Number	Sample Location	Sample Depth (Ft)	Sample Date	Analytical Method	Amount Detected (ug/kg)	Qualifier	Method Detection Limit	Sample Type
Butylbenzyl phthalate	SNL0093482	LWDS-05-BH11	30	20-MAR-94	8270	330	U	330	F
Butylbenzyl phthalate	SNL0093392	LWDS-05-BH12	30	21-MAR-94	8270	330	U	330	F
Butylbenzyl phthalate	SNL0093302	LWDS-05-BH13	30	22-MAR-94	8270	330	U	330	F
Butylbenzyl phthalate	SNL0093680	LWDS-05-BH14	30	23-MAR-94	8270	330	U	330	F
Butylbenzyl phthalate	SNL0091263	LWDS-MW1	30	22-AUG-92	8270	330	U	330	F
Butylbenzyl phthalate	SNL0093400	LWDS-05-BH12	32.5	21-MAR-94	8270	330	U	330	F
Butylbenzyl phthalate	SNL0093310	LWDS-05-BH13	32.5	22-MAR-94	8270	330	U	330	F
Butylbenzyl phthalate	SNL0093684	LWDS-05-BH14	32.5	23-MAR-94	8270	330	U	330	F
Butylbenzyl phthalate	SNL0093491	LWDS-05-BH11	35	20-MAR-94	8270	330	U	330	F
Butylbenzyl phthalate	SNL0093408	LWDS-05-BH12	35	21-MAR-94	8270	330	U	330	F
Butylbenzyl phthalate	SNL0093318	LWDS-05-BH13	35	22-MAR-94	8270	330	U	330	F
Butylbenzyl phthalate	SNL0093688	LWDS-05-BH14	35	23-MAR-94	8270	330	U	330	F
Butylbenzyl phthalate	SNL0093589	LWDS-05-BH11	37.5	20-MAR-94	8270	330	U	330	F
Butylbenzyl phthalate	SNL0093416	LWDS-05-BH12	37.5	21-MAR-94	8270	330	U	330	F
Butylbenzyl phthalate	SNL0093326	LWDS-05-BH13	37.5	22-MAR-94	8270	330	U	330	F
Butylbenzyl phthalate	SNL0093692	LWDS-05-BH14	37.5	23-MAR-94	8270	330	U	330	F
Butylbenzyl phthalate	SNL0091265	LWDS-MW1	39	22-AUG-92	8270	330	U	330	F
Butylbenzyl phthalate	SNL0093499	LWDS-05-BH11	40	20-MAR-94	8270	330	U	330	F
Butylbenzyl phthalate	SNL0093424	LWDS-05-BH12	40	21-MAR-94	8270	330	U	330	F
Butylbenzyl phthalate	SNL0093334	LWDS-05-BH13	40	22-MAR-94	8270	330	U	330	F
Butylbenzyl phthalate	SNL0093625	LWDS-05-BH14	40	23-MAR-94	8270	330	U	330	F
Butylbenzyl phthalate	SNL0093507	LWDS-05-BH11	42.5	20-MAR-94	8270	330	U	330	F
Butylbenzyl phthalate	SNL0093515	LWDS-05-BH11	45	20-MAR-94	8270	330	U	330	F
Butylbenzyl phthalate	SNL0093432	LWDS-05-BH12	45	21-MAR-94	8270	330	U	330	F
Butylbenzyl phthalate	SNL0093342	LWDS-05-BH13	45	22-MAR-94	8270	330	U	330	F
Butylbenzyl phthalate	SNL0093629	LWDS-05-BH14	45	23-MAR-94	8270	330	U	330	F
Butylbenzyl phthalate	SNL0093523	LWDS-05-BH11	47.5	20-MAR-94	8270	330	U	330	F
Butylbenzyl phthalate	SNL0093531	LWDS-05-BH11	50	20-MAR-94	8270	330	U	330	F
Butylbenzyl phthalate	SNL0093440	LWDS-05-BH12	50	21-MAR-94	8270	330	U	330	F
Butylbenzyl phthalate	SNL0093350	LWDS-05-BH13	50	22-MAR-94	8270	330	U	330	F
Butylbenzyl phthalate	SNL0093358	LWDS-05-BH13	50	22-MAR-94	8270	330	U	330	F
Butylbenzyl phthalate	SNL0093633	LWDS-05-BH14	50	23-MAR-94	8270	330	U	330	F
Butylbenzyl phthalate	SNL0091269	LWDS-MW1	50	22-AUG-92	8270	330	U	330	D
Butylbenzyl phthalate	SNL0091267	LWDS-MW1	50	22-AUG-92	8270	330	U	330	F
Butylbenzyl phthalate	SNL0093539	LWDS-05-BH11	55	20-MAR-94	8270	330	U	330	F
Butylbenzyl phthalate	SNL0093456	LWDS-05-BH12	55	21-MAR-94	8270	330	U	330	D
Butylbenzyl phthalate	SNL0093448	LWDS-05-BH12	55	21-MAR-94	8270	330	U	330	F
Butylbenzyl phthalate	SNL0093366	LWDS-05-BH13	55	22-MAR-94	8270	330	U	330	F
Butylbenzyl phthalate	SNL0093637	LWDS-05-BH14	55	23-MAR-94	8270	330	U	330	F
Butylbenzyl phthalate	SNL0093547	LWDS-05-BH11	60	20-MAR-94	8270	330	U	330	F
Butylbenzyl phthalate	SNL0093645	LWDS-05-BH14	60	23-MAR-94	8270	330	U	330	D
Butylbenzyl phthalate	SNL0093641	LWDS-05-BH14	60	23-MAR-94	8270	330	U	330	F
Butylbenzyl phthalate	SNL0091271	LWDS-MW1	60	22-AUG-92	8270	330	U	330	F
Butylbenzyl phthalate	SNL0093555	LWDS-05-BH11	65	20-MAR-94	8270	330	U	330	F
Butylbenzyl phthalate	SNL0091278	LWDS-MW1	68	23-AUG-92	8270	330	U	330	F
Butylbenzyl phthalate	SNL0093571	LWDS-05-BH11	70	20-MAR-94	8270	330	U	330	D
Butylbenzyl phthalate	SNL0093563	LWDS-05-BH11	70	20-MAR-94	8270	330	U	330	F
Butylbenzyl phthalate	SNL0091280	LWDS-MW1	80	23-AUG-92	8270	330	U	330	F
Butylbenzyl phthalate	SNL0091284	LWDS-MW1	89	23-AUG-92	8270	330	U	330	D
Butylbenzyl phthalate	SNL0091282	LWDS-MW1	89	23-AUG-92	8270	330	U	330	F
Butylbenzyl phthalate	SNL0091286	LWDS-MW1	102	24-AUG-92	8270	330	U	330	F
Butylbenzyl phthalate	SNL0091290	LWDS-MW1	110	24-AUG-92	8270	330	U	330	F
Butylbenzyl phthalate	SNL0091288	LWDS-MW1	110	24-AUG-92	8270	330	U	330	F
Butylbenzyl phthalate	SNL0091295	LWDS-MW1	120	25-AUG-92	8270	330	U	330	F
Butylbenzyl phthalate	SNL0091297	LWDS-MW1	130	25-AUG-92	8270	330	U	330	F
Butylbenzyl phthalate	SNL0091583	LWDS-MW1	143	02-SEP-92	8270	330	U	330	F
Butylbenzyl phthalate	SNL0091585	LWDS-MW1	150	02-SEP-92	8270	330	U	330	F
Butylbenzyl phthalate	SNL0092988	LWDS-MW1	176	06-APR-93	8270	330	U	330	F
Butylbenzyl phthalate	SNL0092998	LWDS-MW1	202	08-APR-93	8270	330	U	330	F
Butylbenzyl phthalate	SNL0093012	LWDS-MW1	226	13-APR-93	8270	330	U	330	F
Butylbenzyl phthalate	SNL0093022	LWDS-MW1	250	14-APR-93	8270	330	U	330	F
Butylbenzyl phthalate	SNL0093034	LWDS-MW1	274	15-APR-93	8270	330	U	330	F
Butylbenzyl phthalate	SNL0093054	LWDS-MW1	315	17-APR-93	8270	330	U	330	F
Butylbenzyl phthalate	SNL0093066	LWDS-MW1	346	19-APR-93	8270	330	U	330	F
Butylbenzyl phthalate	SNL0093044	LWDS-MW1	346	19-APR-93	8270	330	U	330	D
Butylbenzyl phthalate	SNL0093078	LWDS-MW1	390	21-APR-93	8270	330	U	330	F
Butylbenzyl phthalate	SNL0093101	LWDS-MW1	444	27-APR-93	8270	330	U	330	F

Table A-5: Organics analyses of soil samples from ER Site 5.

Analyte	Sample Number	Sample Location	Sample Depth (Ft)	Sample Date	Analytical Method	Amount Detected (ug/kg)	Qualifier	Method Detection Limit	Sample Type
Carbazole	SNL0093720	LWDS-05-BH13	0	29-MAR-94	8270	330	U	330	F
Carbon disulfide	SNL0093572	LWDS-05-BH11	0	20-MAR-94	8240	1.5	J	5	TB
Carbon disulfide	SNL0093466	LWDS-05-BH12	0	21-MAR-94	8240	5	U	5	TB
Carbon disulfide	SNL0093375	LWDS-05-BH13	0	22-MAR-94	8240	5	U	5	TB
Carbon disulfide	SNL0093717	LWDS-05-BH13	0	29-MAR-94	8240	5	U	5	F
Carbon disulfide	SNL0093655	LWDS-05-BH14	0	23-MAR-94	8240	5	U	5	TB
Carbon disulfide	SNL0093083	LWDS-MW1	0	21-APR-93	8240	5	U	5	F
Carbon disulfide	SNL0093115	LWDS-MW1	0	30-APR-93	8240	5	U	5	F
Carbon disulfide	SNL0091258	LWDS-MW1	12	22-AUG-92	8240	5	U	5	F
Carbon disulfide	SNL0091260	LWDS-MW1	21	22-AUG-92	8240	5	U	5	F
Carbon disulfide	SNL0093467	LWDS-05-BH11	25	20-MAR-94	8240	5	U	5	F
Carbon disulfide	SNL0093377	LWDS-05-BH12	25	21-MAR-94	8240	5	U	5	F
Carbon disulfide	SNL0093287	LWDS-05-BH13	25	22-MAR-94	8240	5	U	5	F
Carbon disulfide	SNL0093673	LWDS-05-BH14	25	23-MAR-94	8240	5	U	5	F
Carbon disulfide	SNL0093475	LWDS-05-BH11	30	20-MAR-94	8240	5	U	5	F
Carbon disulfide	SNL0093385	LWDS-05-BH12	30	21-MAR-94	8240	5	U	5	F
Carbon disulfide	SNL0093295	LWDS-05-BH13	30	22-MAR-94	8240	5	U	5	F
Carbon disulfide	SNL0093677	LWDS-05-BH14	30	23-MAR-94	8240	5	U	5	F
Carbon disulfide	SNL0091262	LWDS-MW1	30	22-AUG-92	8240	5	U	5	F
Carbon disulfide	SNL0093483	LWDS-05-BH11	32.5	20-MAR-94	8240	5	U	5	F
Carbon disulfide	SNL0093393	LWDS-05-BH12	32.5	21-MAR-94	8240	5	U	5	F
Carbon disulfide	SNL0093303	LWDS-05-BH13	32.5	22-MAR-94	8240	5	U	5	F
Carbon disulfide	SNL0093681	LWDS-05-BH14	32.5	23-MAR-94	8240	5	U	5	F
Carbon disulfide	SNL0093484	LWDS-05-BH11	35	20-MAR-94	8240	5	U	5	F
Carbon disulfide	SNL0093401	LWDS-05-BH12	35	21-MAR-94	8240	5	U	5	F
Carbon disulfide	SNL0093311	LWDS-05-BH13	35	22-MAR-94	8240	5	U	5	F
Carbon disulfide	SNL0093685	LWDS-05-BH14	35	23-MAR-94	8240	5	U	5	F
Carbon disulfide	SNL0093582	LWDS-05-BH11	37.5	20-MAR-94	8240	5	U	5	F
Carbon disulfide	SNL0093409	LWDS-05-BH12	37.5	21-MAR-94	8240	5	U	5	F
Carbon disulfide	SNL0093319	LWDS-05-BH13	37.5	22-MAR-94	8240	5	U	5	F
Carbon disulfide	SNL0093689	LWDS-05-BH14	37.5	23-MAR-94	8240	5	U	5	F
Carbon disulfide	SNL0091264	LWDS-MW1	39	22-AUG-92	8240	5	U	5	F
Carbon disulfide	SNL0093492	LWDS-05-BH11	40	20-MAR-94	8240	5	U	5	F
Carbon disulfide	SNL0093417	LWDS-05-BH12	40	21-MAR-94	8240	5	U	5	F
Carbon disulfide	SNL0093327	LWDS-05-BH13	40	22-MAR-94	8240	5	U	5	F
Carbon disulfide	SNL0093693	LWDS-05-BH14	40	23-MAR-94	8240	5	U	5	F
Carbon disulfide	SNL0093500	LWDS-05-BH11	42.5	20-MAR-94	8240	5	U	5	F
Carbon disulfide	SNL0093508	LWDS-05-BH11	45	20-MAR-94	8240	5	U	5	F
Carbon disulfide	SNL0093425	LWDS-05-BH12	45	21-MAR-94	8240	5	U	5	F
Carbon disulfide	SNL0093335	LWDS-05-BH13	45	22-MAR-94	8240	5	U	5	F
Carbon disulfide	SNL0093626	LWDS-05-BH14	45	23-MAR-94	8240	5	U	5	F
Carbon disulfide	SNL0093516	LWDS-05-BH11	47.5	20-MAR-94	8240	5	U	5	F
Carbon disulfide	SNL0093524	LWDS-05-BH11	50	20-MAR-94	8240	5	U	5	F
Carbon disulfide	SNL0093433	LWDS-05-BH12	50	21-MAR-94	8240	5	U	5	F
Carbon disulfide	SNL0093351	LWDS-05-BH13	50	22-MAR-94	8240	5	U	5	D
Carbon disulfide	SNL0093343	LWDS-05-BH13	50	22-MAR-94	8240	5	U	5	F
Carbon disulfide	SNL0093630	LWDS-05-BH14	50	23-MAR-94	8240	5	U	5	F
Carbon disulfide	SNL0091268	LWDS-MW1	50	22-AUG-92	8240	5	U	5	D
Carbon disulfide	SNL0091266	LWDS-MW1	50	22-AUG-92	8240	5	U	5	F
Carbon disulfide	SNL0093532	LWDS-05-BH11	55	20-MAR-94	8240	5	U	5	F
Carbon disulfide	SNL0093449	LWDS-05-BH12	55	21-MAR-94	8240	5	U	5	D
Carbon disulfide	SNL0093441	LWDS-05-BH12	55	21-MAR-94	8240	5	U	5	F
Carbon disulfide	SNL0093359	LWDS-05-BH13	55	22-MAR-94	8240	5	U	5	F
Carbon disulfide	SNL0093634	LWDS-05-BH14	55	23-MAR-94	8240	5	U	5	F
Carbon disulfide	SNL0093540	LWDS-05-BH11	60	20-MAR-94	8240	5	U	5	F
Carbon disulfide	SNL0093642	LWDS-05-BH14	60	23-MAR-94	8240	5	U	5	D
Carbon disulfide	SNL0093638	LWDS-05-BH14	60	23-MAR-94	8240	5	U	5	F
Carbon disulfide	SNL0091270	LWDS-MW1	60	22-AUG-92	8240	5	U	5	F
Carbon disulfide	SNL0093548	LWDS-05-BH11	65	20-MAR-94	8240	5	U	5	F
Carbon disulfide	SNL0091277	LWDS-MW1	68	23-AUG-92	8240	5	U	5	F
Carbon disulfide	SNL0093564	LWDS-05-BH11	70	20-MAR-94	8240	5	U	5	D
Carbon disulfide	SNL0093556	LWDS-05-BH11	70	20-MAR-94	8240	5	U	5	F
Carbon disulfide	SNL0091279	LWDS-MW1	80	23-AUG-92	8240	5	U	5	F
Carbon disulfide	SNL0091283	LWDS-MW1	89	23-AUG-92	8240	5	U	5	D
Carbon disulfide	SNL0091281	LWDS-MW1	89	23-AUG-92	8240	5	U	5	F
Carbon disulfide	SNL0091285	LWDS-MW1	102	24-AUG-92	8240	5	U	5	F
Carbon disulfide	SNL0091289	LWDS-MW1	110	24-AUG-92	8240	5	U	5	F

Table A-5: Organics analyses of soil samples from ER Site 5.

Analyte	Sample Number	Sample Location	Sample Depth (Ft)	Sample Date	Analytical Method	Amount Detected (ug/kg)	Qualifier	Method Detection Limit	Sample Type
Carbon disulfide	SNL0091287	LWDS-MW1	110	24-AUG-92	8240	5	U	5	F
Carbon disulfide	SNL0091294	LWDS-MW1	120	25-AUG-92	8240	5	U	5	F
Carbon disulfide	SNL0091296	LWDS-MW1	130	25-AUG-92	8240	5	U	5	F
Carbon disulfide	SNL0091582	LWDS-MW1	143	02-SEP-92	8240	5	U	5	F
Carbon disulfide	SNL0091584	LWDS-MW1	150	02-SEP-92	8240	5	U	5	F
Carbon disulfide	SNL0092980	LWDS-MW1	176	06-APR-93	8240	5	U	5	F
Carbon disulfide	SNL0092990	LWDS-MW1	202	08-APR-93	8240	5	U	5	F
Carbon disulfide	SNL0093004	LWDS-MW1	226	13-APR-93	8240	5	U	5	F
Carbon disulfide	SNL0093014	LWDS-MW1	250	14-APR-93	8240	5	U	5	F
Carbon disulfide	SNL0093026	LWDS-MW1	274	15-APR-93	8240	5	U	5	F
Carbon disulfide	SNL0093046	LWDS-MW1	315	17-APR-93	8240	5	U	5	F
Carbon disulfide	SNL0093058	LWDS-MW1	346	19-APR-93	8240	5	U	5	F
Carbon disulfide	SNL0093036	LWDS-MW1	346	19-APR-93	8240	5	U	5	D
Carbon disulfide	SNL0093070	LWDS-MW1	390	21-APR-93	8240	5	U	5	F
Carbon disulfide	SNL0093093	LWDS-MW1	444	27-APR-93	8240	5	U	5	F
Carbon tetrachloride	SNL0093572	LWDS-05-BH11	0	20-MAR-94	8240	5	U	5	TB
Carbon tetrachloride	SNL0093466	LWDS-05-BH12	0	21-MAR-94	8240	5	U	5	TB
Carbon tetrachloride	SNL0093375	LWDS-05-BH13	0	22-MAR-94	8240	5	U	5	TB
Carbon tetrachloride	SNL0093717	LWDS-05-BH13	0	29-MAR-94	8240	5	U	5	F
Carbon tetrachloride	SNL0093655	LWDS-05-BH14	0	23-MAR-94	8240	5	U	5	TB
Carbon tetrachloride	SNL0093083	LWDS-MW1	0	21-APR-93	8240	5	U	5	F
Carbon tetrachloride	SNL0093115	LWDS-MW1	0	30-APR-93	8240	5	U	5	F
Carbon tetrachloride	SNL0091258	LWDS-MW1	12	22-AUG-92	8240	5	U	5	F
Carbon tetrachloride	SNL0091260	LWDS-MW1	21	22-AUG-92	8240	5	U	5	F
Carbon tetrachloride	SNL0093467	LWDS-05-BH11	25	20-MAR-94	8240	5	U	5	F
Carbon tetrachloride	SNL0093377	LWDS-05-BH12	25	21-MAR-94	8240	5	U	5	F
Carbon tetrachloride	SNL0093287	LWDS-05-BH13	25	22-MAR-94	8240	5	U	5	F
Carbon tetrachloride	SNL0093673	LWDS-05-BH14	25	23-MAR-94	8240	5	U	5	F
Carbon tetrachloride	SNL0093475	LWDS-05-BH11	30	20-MAR-94	8240	5	U	5	F
Carbon tetrachloride	SNL0093385	LWDS-05-BH12	30	21-MAR-94	8240	5	U	5	F
Carbon tetrachloride	SNL0093295	LWDS-05-BH13	30	22-MAR-94	8240	5	U	5	F
Carbon tetrachloride	SNL0093677	LWDS-05-BH14	30	23-MAR-94	8240	5	U	5	F
Carbon tetrachloride	SNL0091262	LWDS-MW1	30	22-AUG-92	8240	5	U	5	F
Carbon tetrachloride	SNL0093483	LWDS-05-BH11	32.5	20-MAR-94	8240	5	U	5	F
Carbon tetrachloride	SNL0093393	LWDS-05-BH12	32.5	21-MAR-94	8240	5	U	5	F
Carbon tetrachloride	SNL0093303	LWDS-05-BH13	32.5	22-MAR-94	8240	5	U	5	F
Carbon tetrachloride	SNL0093681	LWDS-05-BH14	32.5	23-MAR-94	8240	5	U	5	F
Carbon tetrachloride	SNL0093484	LWDS-05-BH11	35	20-MAR-94	8240	5	U	5	F
Carbon tetrachloride	SNL0093401	LWDS-05-BH12	35	21-MAR-94	8240	5	U	5	F
Carbon tetrachloride	SNL0093311	LWDS-05-BH13	35	22-MAR-94	8240	5	U	5	F
Carbon tetrachloride	SNL0093685	LWDS-05-BH14	35	23-MAR-94	8240	5	U	5	F
Carbon tetrachloride	SNL0093582	LWDS-05-BH11	37.5	20-MAR-94	8240	5	U	5	F
Carbon tetrachloride	SNL0093409	LWDS-05-BH12	37.5	21-MAR-94	8240	5	U	5	F
Carbon tetrachloride	SNL0093319	LWDS-05-BH13	37.5	22-MAR-94	8240	5	U	5	F
Carbon tetrachloride	SNL0093689	LWDS-05-BH14	37.5	23-MAR-94	8240	5	U	5	F
Carbon tetrachloride	SNL0091264	LWDS-MW1	39	22-AUG-92	8240	5	U	5	F
Carbon tetrachloride	SNL0093492	LWDS-05-BH11	40	20-MAR-94	8240	5	U	5	F
Carbon tetrachloride	SNL0093417	LWDS-05-BH12	40	21-MAR-94	8240	5	U	5	F
Carbon tetrachloride	SNL0093327	LWDS-05-BH13	40	22-MAR-94	8240	5	U	5	F
Carbon tetrachloride	SNL0093693	LWDS-05-BH14	40	23-MAR-94	8240	5	U	5	F
Carbon tetrachloride	SNL0093500	LWDS-05-BH11	42.5	20-MAR-94	8240	5	U	5	F
Carbon tetrachloride	SNL0093508	LWDS-05-BH11	45	20-MAR-94	8240	5	U	5	F
Carbon tetrachloride	SNL0093425	LWDS-05-BH12	45	21-MAR-94	8240	5	U	5	F
Carbon tetrachloride	SNL0093335	LWDS-05-BH13	45	22-MAR-94	8240	5	U	5	F
Carbon tetrachloride	SNL0093626	LWDS-05-BH14	45	23-MAR-94	8240	5	U	5	F
Carbon tetrachloride	SNL0093516	LWDS-05-BH11	47.5	20-MAR-94	8240	5	U	5	F
Carbon tetrachloride	SNL0093524	LWDS-05-BH11	50	20-MAR-94	8240	5	U	5	F
Carbon tetrachloride	SNL0093433	LWDS-05-BH12	50	21-MAR-94	8240	5	U	5	F
Carbon tetrachloride	SNL0093351	LWDS-05-BH13	50	22-MAR-94	8240	5	U	5	D
Carbon tetrachloride	SNL0093343	LWDS-05-BH13	50	22-MAR-94	8240	5	U	5	F
Carbon tetrachloride	SNL0093630	LWDS-05-BH14	50	23-MAR-94	8240	5	U	5	F
Carbon tetrachloride	SNL0091268	LWDS-MW1	50	22-AUG-92	8240	5	U	5	D
Carbon tetrachloride	SNL0091266	LWDS-MW1	50	22-AUG-92	8240	5	U	5	F
Carbon tetrachloride	SNL0093532	LWDS-05-BH11	55	20-MAR-94	8240	5	U	5	F
Carbon tetrachloride	SNL0093449	LWDS-05-BH12	55	21-MAR-94	8240	5	U	5	D
Carbon tetrachloride	SNL0093441	LWDS-05-BH12	55	21-MAR-94	8240	5	U	5	F
Carbon tetrachloride	SNL0093359	LWDS-05-BH13	55	22-MAR-94	8240	5	U	5	F

Table A-5: Organics analyses of soil samples from ER Site 5.

Analyte	Sample Number	Sample Location	Sample Depth (Ft)	Sample Date	Analytical Method	Amount Detected (ug/kg)	Qualifier	Method Detection Limit	Sample Type
Carbon tetrachloride	SNL0093634	LWDS-05-BH14	55	23-MAR-94	8240	5	U	5	F
Carbon tetrachloride	SNL0093540	LWDS-05-BH11	60	20-MAR-94	8240	5	U	5	F
Carbon tetrachloride	SNL0093642	LWDS-05-BH14	60	23-MAR-94	8240	5	U	5	D
Carbon tetrachloride	SNL0093638	LWDS-05-BH14	60	23-MAR-94	8240	5	U	5	F
Carbon tetrachloride	SNL0091270	LWDS-MW1	60	22-AUG-92	8240	5	U	5	F
Carbon tetrachloride	SNL0093548	LWDS-05-BH11	65	20-MAR-94	8240	5	U	5	F
Carbon tetrachloride	SNL0091277	LWDS-MW1	68	23-AUG-92	8240	5	U	5	F
Carbon tetrachloride	SNL0093564	LWDS-05-BH11	70	20-MAR-94	8240	5	U	5	D
Carbon tetrachloride	SNL0093556	LWDS-05-BH11	70	20-MAR-94	8240	5	U	5	F
Carbon tetrachloride	SNL0091279	LWDS-MW1	80	23-AUG-92	8240	5	U	5	F
Carbon tetrachloride	SNL0091283	LWDS-MW1	89	23-AUG-92	8240	5	U	5	D
Carbon tetrachloride	SNL0091281	LWDS-MW1	89	23-AUG-92	8240	5	U	5	F
Carbon tetrachloride	SNL0091285	LWDS-MW1	102	24-AUG-92	8240	5	U	5	F
Carbon tetrachloride	SNL0091289	LWDS-MW1	110	24-AUG-92	8240	5	U	5	F
Carbon tetrachloride	SNL0091287	LWDS-MW1	110	24-AUG-92	8240	5	U	5	F
Carbon tetrachloride	SNL0091294	LWDS-MW1	120	25-AUG-92	8240	5	U	5	F
Carbon tetrachloride	SNL0091296	LWDS-MW1	130	25-AUG-92	8240	5	U	5	F
Carbon tetrachloride	SNL0091582	LWDS-MW1	143	02-SEP-92	8240	5	U	5	F
Carbon tetrachloride	SNL0091584	LWDS-MW1	150	02-SEP-92	8240	5	U	5	F
Carbon tetrachloride	SNL0092980	LWDS-MW1	176	06-APR-93	8240	5	U	5	F
Carbon tetrachloride	SNL0092990	LWDS-MW1	202	08-APR-93	8240	5	U	5	F
Carbon tetrachloride	SNL0093004	LWDS-MW1	226	13-APR-93	8240	5	U	5	F
Carbon tetrachloride	SNL0093014	LWDS-MW1	250	14-APR-93	8240	5	U	5	F
Carbon tetrachloride	SNL0093026	LWDS-MW1	274	15-APR-93	8240	5	U	5	F
Carbon tetrachloride	SNL0093046	LWDS-MW1	315	17-APR-93	8240	5	U	5	F
Carbon tetrachloride	SNL0093058	LWDS-MW1	346	19-APR-93	8240	5	U	5	F
Carbon tetrachloride	SNL0093036	LWDS-MW1	346	19-APR-93	8240	5	U	5	D
Carbon tetrachloride	SNL0093070	LWDS-MW1	390	21-APR-93	8240	5	U	5	F
Carbon tetrachloride	SNL0093093	LWDS-MW1	444	27-APR-93	8240	5	U	5	F
Chloro-3-methylphenol, 4-	SNL0093720	LWDS-05-BH13	0	29-MAR-94	8270	330	U	330	F
Chloro-3-methylphenol, 4-	SNL0093123	LWDS-MW1	0	30-APR-93	8270	330	U	330	F
Chloro-3-methylphenol, 4-	SNL0093091	LWDS-MW1	0	21-APR-93	8270	330	U	330	F
Chloro-3-methylphenol, 4-	SNL0091259	LWDS-MW1	12	22-AUG-92	8270	330	U	330	F
Chloro-3-methylphenol, 4-	SNL0091261	LWDS-MW1	21	22-AUG-92	8270	330	U	330	F
Chloro-3-methylphenol, 4-	SNL0093474	LWDS-05-BH11	25	20-MAR-94	8270	330	U	330	F
Chloro-3-methylphenol, 4-	SNL0093384	LWDS-05-BH12	25	21-MAR-94	8270	330	U	330	F
Chloro-3-methylphenol, 4-	SNL0093294	LWDS-05-BH13	25	22-MAR-94	8270	330	U	330	F
Chloro-3-methylphenol, 4-	SNL0093676	LWDS-05-BH14	25	23-MAR-94	8270	330	U	330	F
Chloro-3-methylphenol, 4-	SNL0093482	LWDS-05-BH11	30	20-MAR-94	8270	330	U	330	F
Chloro-3-methylphenol, 4-	SNL0093392	LWDS-05-BH12	30	21-MAR-94	8270	330	U	330	F
Chloro-3-methylphenol, 4-	SNL0093302	LWDS-05-BH13	30	22-MAR-94	8270	330	U	330	F
Chloro-3-methylphenol, 4-	SNL0093680	LWDS-05-BH14	30	23-MAR-94	8270	330	U	330	F
Chloro-3-methylphenol, 4-	SNL0091263	LWDS-MW1	30	22-AUG-92	8270	330	U	330	F
Chloro-3-methylphenol, 4-	SNL0093400	LWDS-05-BH12	32.5	21-MAR-94	8270	330	U	330	F
Chloro-3-methylphenol, 4-	SNL0093310	LWDS-05-BH13	32.5	22-MAR-94	8270	330	U	330	F
Chloro-3-methylphenol, 4-	SNL0093684	LWDS-05-BH14	32.5	23-MAR-94	8270	330	U	330	F
Chloro-3-methylphenol, 4-	SNL0093491	LWDS-05-BH11	35	20-MAR-94	8270	330	U	330	F
Chloro-3-methylphenol, 4-	SNL0093408	LWDS-05-BH12	35	21-MAR-94	8270	330	U	330	F
Chloro-3-methylphenol, 4-	SNL0093318	LWDS-05-BH13	35	22-MAR-94	8270	330	U	330	F
Chloro-3-methylphenol, 4-	SNL0093688	LWDS-05-BH14	35	23-MAR-94	8270	330	U	330	F
Chloro-3-methylphenol, 4-	SNL0093589	LWDS-05-BH11	37.5	20-MAR-94	8270	330	U	330	F
Chloro-3-methylphenol, 4-	SNL0093416	LWDS-05-BH12	37.5	21-MAR-94	8270	330	U	330	F
Chloro-3-methylphenol, 4-	SNL0093326	LWDS-05-BH13	37.5	22-MAR-94	8270	330	U	330	F
Chloro-3-methylphenol, 4-	SNL0093692	LWDS-05-BH14	37.5	23-MAR-94	8270	330	U	330	F
Chloro-3-methylphenol, 4-	SNL0091265	LWDS-MW1	39	22-AUG-92	8270	330	U	330	F
Chloro-3-methylphenol, 4-	SNL0093499	LWDS-05-BH11	40	20-MAR-94	8270	330	U	330	F
Chloro-3-methylphenol, 4-	SNL0093424	LWDS-05-BH12	40	21-MAR-94	8270	330	U	330	F
Chloro-3-methylphenol, 4-	SNL0093334	LWDS-05-BH13	40	22-MAR-94	8270	330	U	330	F
Chloro-3-methylphenol, 4-	SNL0093625	LWDS-05-BH14	40	23-MAR-94	8270	330	U	330	F
Chloro-3-methylphenol, 4-	SNL0093507	LWDS-05-BH11	42.5	20-MAR-94	8270	330	U	330	F
Chloro-3-methylphenol, 4-	SNL0093515	LWDS-05-BH11	45	20-MAR-94	8270	330	U	330	F
Chloro-3-methylphenol, 4-	SNL0093432	LWDS-05-BH12	45	21-MAR-94	8270	330	U	330	F
Chloro-3-methylphenol, 4-	SNL0093342	LWDS-05-BH13	45	22-MAR-94	8270	330	U	330	F
Chloro-3-methylphenol, 4-	SNL0093629	LWDS-05-BH14	45	23-MAR-94	8270	330	U	330	F
Chloro-3-methylphenol, 4-	SNL0093523	LWDS-05-BH11	47.5	20-MAR-94	8270	330	U	330	F
Chloro-3-methylphenol, 4-	SNL0093531	LWDS-05-BH11	50	20-MAR-94	8270	330	U	330	F
Chloro-3-methylphenol, 4-	SNL0093440	LWDS-05-BH12	50	21-MAR-94	8270	330	U	330	F

Table A-5: Organics analyses of soil samples from ER Site 5.

Analyte	Sample Number	Sample Location	Sample Depth (Ft)	Sample Date	Analytical Method	Amount Detected (ug/kg)	Qualifier	Method Detection Limit	Sample Type
Chloro-3-methylphenol, 4-	SNL0093350	LWDS-05-BH13	50	22-MAR-94	8270	330	U	330	F
Chloro-3-methylphenol, 4-	SNL0093358	LWDS-05-BH13	50	22-MAR-94	8270	330	U	330	F
Chloro-3-methylphenol, 4-	SNL0093633	LWDS-05-BH14	50	23-MAR-94	8270	330	U	330	F
Chloro-3-methylphenol, 4-	SNL0091267	LWDS-MW1	50	22-AUG-92	8270	330	U	330	F
Chloro-3-methylphenol, 4-	SNL0091269	LWDS-MW1	50	22-AUG-92	8270	330	U	330	D
Chloro-3-methylphenol, 4-	SNL0093539	LWDS-05-BH11	55	20-MAR-94	8270	330	U	330	F
Chloro-3-methylphenol, 4-	SNL0093456	LWDS-05-BH12	55	21-MAR-94	8270	330	U	330	D
Chloro-3-methylphenol, 4-	SNL0093448	LWDS-05-BH12	55	21-MAR-94	8270	330	U	330	F
Chloro-3-methylphenol, 4-	SNL0093366	LWDS-05-BH13	55	22-MAR-94	8270	330	U	330	F
Chloro-3-methylphenol, 4-	SNL0093637	LWDS-05-BH14	55	23-MAR-94	8270	330	U	330	F
Chloro-3-methylphenol, 4-	SNL0093547	LWDS-05-BH11	60	20-MAR-94	8270	330	U	330	F
Chloro-3-methylphenol, 4-	SNL0093641	LWDS-05-BH14	60	23-MAR-94	8270	330	U	330	F
Chloro-3-methylphenol, 4-	SNL0093645	LWDS-05-BH14	60	23-MAR-94	8270	330	U	330	D
Chloro-3-methylphenol, 4-	SNL0091271	LWDS-MW1	60	22-AUG-92	8270	330	U	330	F
Chloro-3-methylphenol, 4-	SNL0093555	LWDS-05-BH11	65	20-MAR-94	8270	330	U	330	F
Chloro-3-methylphenol, 4-	SNL0091278	LWDS-MW1	68	23-AUG-92	8270	330	U	330	F
Chloro-3-methylphenol, 4-	SNL0093571	LWDS-05-BH11	70	20-MAR-94	8270	330	U	330	D
Chloro-3-methylphenol, 4-	SNL0093563	LWDS-05-BH11	70	20-MAR-94	8270	330	U	330	F
Chloro-3-methylphenol, 4-	SNL0091280	LWDS-MW1	80	23-AUG-92	8270	330	U	330	F
Chloro-3-methylphenol, 4-	SNL0091284	LWDS-MW1	89	23-AUG-92	8270	330	U	330	D
Chloro-3-methylphenol, 4-	SNL0091282	LWDS-MW1	89	23-AUG-92	8270	330	U	330	F
Chloro-3-methylphenol, 4-	SNL0091286	LWDS-MW1	102	24-AUG-92	8270	330	U	330	F
Chloro-3-methylphenol, 4-	SNL0091288	LWDS-MW1	110	24-AUG-92	8270	330	U	330	F
Chloro-3-methylphenol, 4-	SNL0091290	LWDS-MW1	110	24-AUG-92	8270	330	U	330	F
Chloro-3-methylphenol, 4-	SNL0091295	LWDS-MW1	120	25-AUG-92	8270	330	U	330	F
Chloro-3-methylphenol, 4-	SNL0091297	LWDS-MW1	130	25-AUG-92	8270	330	U	330	F
Chloro-3-methylphenol, 4-	SNL0091583	LWDS-MW1	143	02-SEP-92	8270	330	U	330	F
Chloro-3-methylphenol, 4-	SNL0091585	LWDS-MW1	150	02-SEP-92	8270	330	U	330	F
Chloro-3-methylphenol, 4-	SNL0092988	LWDS-MW1	176	06-APR-93	8270	330	U	330	F
Chloro-3-methylphenol, 4-	SNL0092998	LWDS-MW1	202	08-APR-93	8270	330	U	330	F
Chloro-3-methylphenol, 4-	SNL0093012	LWDS-MW1	226	13-APR-93	8270	330	U	330	F
Chloro-3-methylphenol, 4-	SNL0093022	LWDS-MW1	250	14-APR-93	8270	330	U	330	F
Chloro-3-methylphenol, 4-	SNL0093034	LWDS-MW1	274	15-APR-93	8270	330	U	330	F
Chloro-3-methylphenol, 4-	SNL0093054	LWDS-MW1	315	17-APR-93	8270	330	U	330	F
Chloro-3-methylphenol, 4-	SNL0093044	LWDS-MW1	346	19-APR-93	8270	330	U	330	D
Chloro-3-methylphenol, 4-	SNL0093066	LWDS-MW1	346	19-APR-93	8270	330	U	330	F
Chloro-3-methylphenol, 4-	SNL0093078	LWDS-MW1	390	21-APR-93	8270	330	U	330	F
Chloro-3-methylphenol, 4-	SNL0093101	LWDS-MW1	444	27-APR-93	8270	330	U	330	F
Chloroaniline, 4-	SNL0093720	LWDS-05-BH13	0	29-MAR-94	8270	330	U	330	F
Chloroaniline, 4-	SNL0093123	LWDS-MW1	0	30-APR-93	8270	330	U	330	F
Chloroaniline, 4-	SNL0093091	LWDS-MW1	0	21-APR-93	8270	330	U	330	F
Chloroaniline, 4-	SNL0091259	LWDS-MW1	12	22-AUG-92	8270	330	U	330	F
Chloroaniline, 4-	SNL0091261	LWDS-MW1	21	22-AUG-92	8270	330	U	330	F
Chloroaniline, 4-	SNL0093474	LWDS-05-BH11	25	20-MAR-94	8270	330	U	330	F
Chloroaniline, 4-	SNL0093384	LWDS-05-BH12	25	21-MAR-94	8270	330	U	330	F
Chloroaniline, 4-	SNL0093294	LWDS-05-BH13	25	22-MAR-94	8270	330	U	330	F
Chloroaniline, 4-	SNL0093676	LWDS-05-BH14	25	23-MAR-94	8270	330	U	330	F
Chloroaniline, 4-	SNL0093482	LWDS-05-BH11	30	20-MAR-94	8270	330	U	330	F
Chloroaniline, 4-	SNL0093392	LWDS-05-BH12	30	21-MAR-94	8270	330	U	330	F
Chloroaniline, 4-	SNL0093302	LWDS-05-BH13	30	22-MAR-94	8270	330	U	330	F
Chloroaniline, 4-	SNL0093680	LWDS-05-BH14	30	23-MAR-94	8270	330	U	330	F
Chloroaniline, 4-	SNL0091263	LWDS-MW1	30	22-AUG-92	8270	330	U	330	F
Chloroaniline, 4-	SNL0093400	LWDS-05-BH12	32.5	21-MAR-94	8270	330	U	330	F
Chloroaniline, 4-	SNL0093310	LWDS-05-BH13	32.5	22-MAR-94	8270	330	U	330	F
Chloroaniline, 4-	SNL0093684	LWDS-05-BH14	32.5	23-MAR-94	8270	330	U	330	F
Chloroaniline, 4-	SNL0093491	LWDS-05-BH11	35	20-MAR-94	8270	330	U	330	F
Chloroaniline, 4-	SNL0093408	LWDS-05-BH12	35	21-MAR-94	8270	330	U	330	F
Chloroaniline, 4-	SNL0093318	LWDS-05-BH13	35	22-MAR-94	8270	330	U	330	F
Chloroaniline, 4-	SNL0093688	LWDS-05-BH14	35	23-MAR-94	8270	330	U	330	F
Chloroaniline, 4-	SNL0093589	LWDS-05-BH11	37.5	20-MAR-94	8270	330	U	330	F
Chloroaniline, 4-	SNL0093416	LWDS-05-BH12	37.5	21-MAR-94	8270	330	U	330	F
Chloroaniline, 4-	SNL0093326	LWDS-05-BH13	37.5	22-MAR-94	8270	330	U	330	F
Chloroaniline, 4-	SNL0093692	LWDS-05-BH14	37.5	23-MAR-94	8270	330	U	330	F
Chloroaniline, 4-	SNL0091265	LWDS-MW1	39	22-AUG-92	8270	330	U	330	F
Chloroaniline, 4-	SNL0093499	LWDS-05-BH11	40	20-MAR-94	8270	330	U	330	F
Chloroaniline, 4-	SNL0093424	LWDS-05-BH12	40	21-MAR-94	8270	330	U	330	F
Chloroaniline, 4-	SNL0093334	LWDS-05-BH13	40	22-MAR-94	8270	330	U	330	F

Table A-5: Organics analyses of soil samples from ER Site 5.

Analyte	Sample Number	Sample Location	Sample Depth (Ft)	Sample Date	Analytical Method	Amount Detected (ug/kg)	Qualifier	Method Detection Limit	Sample Type
Chloroaniline, 4-	SNL0093625	LWDS-05-BH14	40	23-MAR-94	8270	330	U	330	F
Chloroaniline, 4-	SNL0093507	LWDS-05-BH11	42.5	20-MAR-94	8270	330	U	330	F
Chloroaniline, 4-	SNL0093515	LWDS-05-BH11	45	20-MAR-94	8270	330	U	330	F
Chloroaniline, 4-	SNL0093432	LWDS-05-BH12	45	21-MAR-94	8270	330	U	330	F
Chloroaniline, 4-	SNL0093342	LWDS-05-BH13	45	22-MAR-94	8270	330	U	330	F
Chloroaniline, 4-	SNL0093629	LWDS-05-BH14	45	23-MAR-94	8270	330	U	330	F
Chloroaniline, 4-	SNL0093523	LWDS-05-BH11	47.5	20-MAR-94	8270	330	U	330	F
Chloroaniline, 4-	SNL0093531	LWDS-05-BH11	50	20-MAR-94	8270	330	U	330	F
Chloroaniline, 4-	SNL0093440	LWDS-05-BH12	50	21-MAR-94	8270	330	U	330	F
Chloroaniline, 4-	SNL0093350	LWDS-05-BH13	50	22-MAR-94	8270	330	U	330	F
Chloroaniline, 4-	SNL0093358	LWDS-05-BH13	50	22-MAR-94	8270	330	U	330	F
Chloroaniline, 4-	SNL0093633	LWDS-05-BH14	50	23-MAR-94	8270	330	U	330	F
Chloroaniline, 4-	SNL0091269	LWDS-MW1	50	22-AUG-92	8270	330	U	330	D
Chloroaniline, 4-	SNL0091267	LWDS-MW1	50	22-AUG-92	8270	330	U	330	F
Chloroaniline, 4-	SNL0093539	LWDS-05-BH11	55	20-MAR-94	8270	330	U	330	F
Chloroaniline, 4-	SNL0093456	LWDS-05-BH12	55	21-MAR-94	8270	330	U	330	D
Chloroaniline, 4-	SNL0093448	LWDS-05-BH12	55	21-MAR-94	8270	330	U	330	F
Chloroaniline, 4-	SNL0093366	LWDS-05-BH13	55	22-MAR-94	8270	330	U	330	F
Chloroaniline, 4-	SNL0093637	LWDS-05-BH14	55	23-MAR-94	8270	330	U	330	F
Chloroaniline, 4-	SNL0093547	LWDS-05-BH11	60	20-MAR-94	8270	330	U	330	F
Chloroaniline, 4-	SNL0093645	LWDS-05-BH14	60	23-MAR-94	8270	330	U	330	D
Chloroaniline, 4-	SNL0093641	LWDS-05-BH14	60	23-MAR-94	8270	330	U	330	F
Chloroaniline, 4-	SNL0091271	LWDS-MW1	60	22-AUG-92	8270	330	U	330	F
Chloroaniline, 4-	SNL0093555	LWDS-05-BH11	65	20-MAR-94	8270	330	U	330	F
Chloroaniline, 4-	SNL0091278	LWDS-MW1	68	23-AUG-92	8270	330	U	330	F
Chloroaniline, 4-	SNL0093571	LWDS-05-BH11	70	20-MAR-94	8270	330	U	330	D
Chloroaniline, 4-	SNL0093563	LWDS-05-BH11	70	20-MAR-94	8270	330	U	330	F
Chloroaniline, 4-	SNL0091280	LWDS-MW1	80	23-AUG-92	8270	330	U	330	F
Chloroaniline, 4-	SNL0091284	LWDS-MW1	89	23-AUG-92	8270	330	U	330	D
Chloroaniline, 4-	SNL0091282	LWDS-MW1	89	23-AUG-92	8270	330	U	330	F
Chloroaniline, 4-	SNL0091286	LWDS-MW1	102	24-AUG-92	8270	330	U	330	F
Chloroaniline, 4-	SNL0091288	LWDS-MW1	110	24-AUG-92	8270	330	U	330	F
Chloroaniline, 4-	SNL0091290	LWDS-MW1	110	24-AUG-92	8270	330	U	330	F
Chloroaniline, 4-	SNL0091295	LWDS-MW1	120	25-AUG-92	8270	330	U	330	F
Chloroaniline, 4-	SNL0091297	LWDS-MW1	130	25-AUG-92	8270	330	U	330	F
Chloroaniline, 4-	SNL0091583	LWDS-MW1	143	02-SEP-92	8270	330	U	330	F
Chloroaniline, 4-	SNL0091585	LWDS-MW1	150	02-SEP-92	8270	330	U	330	F
Chloroaniline, 4-	SNL0092988	LWDS-MW1	176	06-APR-93	8270	330	U	330	F
Chloroaniline, 4-	SNL0092998	LWDS-MW1	202	08-APR-93	8270	330	U	330	F
Chloroaniline, 4-	SNL0093012	LWDS-MW1	226	13-APR-93	8270	330	U	330	F
Chloroaniline, 4-	SNL0093022	LWDS-MW1	250	14-APR-93	8270	330	U	330	F
Chloroaniline, 4-	SNL0093034	LWDS-MW1	274	15-APR-93	8270	330	U	330	F
Chloroaniline, 4-	SNL0093054	LWDS-MW1	315	17-APR-93	8270	330	U	330	F
Chloroaniline, 4-	SNL0093044	LWDS-MW1	346	19-APR-93	8270	330	U	330	D
Chloroaniline, 4-	SNL0093066	LWDS-MW1	346	19-APR-93	8270	330	U	330	F
Chloroaniline, 4-	SNL0093078	LWDS-MW1	390	21-APR-93	8270	330	U	330	F
Chloroaniline, 4-	SNL0093101	LWDS-MW1	444	27-APR-93	8270	330	U	330	F
Chlorobenzene	SNL0093572	LWDS-05-BH11	0	20-MAR-94	8240	5	U	5	TB
Chlorobenzene	SNL0093466	LWDS-05-BH12	0	21-MAR-94	8240	5	U	5	TB
Chlorobenzene	SNL0093375	LWDS-05-BH13	0	22-MAR-94	8240	5	U	5	TB
Chlorobenzene	SNL0093717	LWDS-05-BH13	0	29-MAR-94	8240	5	U	5	F
Chlorobenzene	SNL0093655	LWDS-05-BH14	0	23-MAR-94	8240	5	U	5	TB
Chlorobenzene	SNL0093083	LWDS-MW1	0	21-APR-93	8240	5	U	5	F
Chlorobenzene	SNL0093115	LWDS-MW1	0	30-APR-93	8240	5	U	5	F
Chlorobenzene	SNL0091258	LWDS-MW1	12	22-AUG-92	8240	5	U	5	F
Chlorobenzene	SNL0091260	LWDS-MW1	21	22-AUG-92	8240	5	U	5	F
Chlorobenzene	SNL0093467	LWDS-05-BH11	25	20-MAR-94	8240	5	U	5	F
Chlorobenzene	SNL0093377	LWDS-05-BH12	25	21-MAR-94	8240	5	U	5	F
Chlorobenzene	SNL0093287	LWDS-05-BH13	25	22-MAR-94	8240	5	U	5	F
Chlorobenzene	SNL0093673	LWDS-05-BH14	25	23-MAR-94	8240	5	U	5	F
Chlorobenzene	SNL0093475	LWDS-05-BH11	30	20-MAR-94	8240	5	U	5	F
Chlorobenzene	SNL0093385	LWDS-05-BH12	30	21-MAR-94	8240	5	U	5	F
Chlorobenzene	SNL0093295	LWDS-05-BH13	30	22-MAR-94	8240	5	U	5	F
Chlorobenzene	SNL0093677	LWDS-05-BH14	30	23-MAR-94	8240	5	U	5	F
Chlorobenzene	SNL0091262	LWDS-MW1	30	22-AUG-92	8240	5	U	5	F
Chlorobenzene	SNL0093483	LWDS-05-BH11	32.5	20-MAR-94	8240	5	U	5	F
Chlorobenzene	SNL0093393	LWDS-05-BH12	32.5	21-MAR-94	8240	5	U	5	F

Table A-5: Organics analyses of soil samples from ER Site 5.

Analyte	Sample Number	Sample Location	Sample Depth (Ft)	Sample Date	Analytical Method	Amount Detected (ug/kg)	Qualifier	Method Detection Limit	Sample Type
Chlorobenzene	SNL0093303	LWDS-05-BH13	32.5	22-MAR-94	8240	5	U	5	F
Chlorobenzene	SNL0093681	LWDS-05-BH14	32.5	23-MAR-94	8240	5	U	5	F
Chlorobenzene	SNL0093484	LWDS-05-BH11	35	20-MAR-94	8240	5	U	5	F
Chlorobenzene	SNL0093401	LWDS-05-BH12	35	21-MAR-94	8240	5	U	5	F
Chlorobenzene	SNL0093311	LWDS-05-BH13	35	22-MAR-94	8240	5	U	5	F
Chlorobenzene	SNL0093685	LWDS-05-BH14	35	23-MAR-94	8240	5	U	5	F
Chlorobenzene	SNL0093582	LWDS-05-BH11	37.5	20-MAR-94	8240	5	U	5	F
Chlorobenzene	SNL0093409	LWDS-05-BH12	37.5	21-MAR-94	8240	5	U	5	F
Chlorobenzene	SNL0093319	LWDS-05-BH13	37.5	22-MAR-94	8240	5	U	5	F
Chlorobenzene	SNL0093689	LWDS-05-BH14	37.5	23-MAR-94	8240	5	U	5	F
Chlorobenzene	SNL0091264	LWDS-MW1	39	22-AUG-92	8240	5	U	5	F
Chlorobenzene	SNL0093492	LWDS-05-BH11	40	20-MAR-94	8240	5	U	5	F
Chlorobenzene	SNL0093417	LWDS-05-BH12	40	21-MAR-94	8240	5	U	5	F
Chlorobenzene	SNL0093327	LWDS-05-BH13	40	22-MAR-94	8240	5	U	5	F
Chlorobenzene	SNL0093693	LWDS-05-BH14	40	23-MAR-94	8240	5	U	5	F
Chlorobenzene	SNL0093500	LWDS-05-BH11	42.5	20-MAR-94	8240	5	U	5	F
Chlorobenzene	SNL0093508	LWDS-05-BH11	45	20-MAR-94	8240	5	U	5	F
Chlorobenzene	SNL0093425	LWDS-05-BH12	45	21-MAR-94	8240	5	U	5	F
Chlorobenzene	SNL0093335	LWDS-05-BH13	45	22-MAR-94	8240	5	U	5	F
Chlorobenzene	SNL0093626	LWDS-05-BH14	45	23-MAR-94	8240	5	U	5	F
Chlorobenzene	SNL0093516	LWDS-05-BH11	47.5	20-MAR-94	8240	5	U	5	F
Chlorobenzene	SNL0093524	LWDS-05-BH11	50	20-MAR-94	8240	5	U	5	F
Chlorobenzene	SNL0093433	LWDS-05-BH12	50	21-MAR-94	8240	5	U	5	F
Chlorobenzene	SNL0093351	LWDS-05-BH13	50	22-MAR-94	8240	5	U	5	D
Chlorobenzene	SNL0093343	LWDS-05-BH13	50	22-MAR-94	8240	5	U	5	F
Chlorobenzene	SNL0093630	LWDS-05-BH14	50	23-MAR-94	8240	5	U	5	F
Chlorobenzene	SNL0091268	LWDS-MW1	50	22-AUG-92	8240	5	U	5	D
Chlorobenzene	SNL0091266	LWDS-MW1	50	22-AUG-92	8240	5	U	5	F
Chlorobenzene	SNL0093532	LWDS-05-BH11	55	20-MAR-94	8240	5	U	5	F
Chlorobenzene	SNL0093449	LWDS-05-BH12	55	21-MAR-94	8240	5	U	5	D
Chlorobenzene	SNL0093441	LWDS-05-BH12	55	21-MAR-94	8240	5	U	5	F
Chlorobenzene	SNL0093359	LWDS-05-BH13	55	22-MAR-94	8240	5	U	5	F
Chlorobenzene	SNL0093634	LWDS-05-BH14	55	23-MAR-94	8240	5	U	5	F
Chlorobenzene	SNL0093540	LWDS-05-BH11	60	20-MAR-94	8240	5	U	5	F
Chlorobenzene	SNL0093642	LWDS-05-BH14	60	23-MAR-94	8240	5	U	5	D
Chlorobenzene	SNL0093638	LWDS-05-BH14	60	23-MAR-94	8240	5	U	5	F
Chlorobenzene	SNL0091270	LWDS-MW1	60	22-AUG-92	8240	5	U	5	F
Chlorobenzene	SNL0093548	LWDS-05-BH11	65	20-MAR-94	8240	5	U	5	F
Chlorobenzene	SNL0091277	LWDS-MW1	68	23-AUG-92	8240	5	U	5	F
Chlorobenzene	SNL0093564	LWDS-05-BH11	70	20-MAR-94	8240	5	U	5	D
Chlorobenzene	SNL0093556	LWDS-05-BH11	70	20-MAR-94	8240	5	U	5	F
Chlorobenzene	SNL0091279	LWDS-MW1	80	23-AUG-92	8240	5	U	5	F
Chlorobenzene	SNL0091283	LWDS-MW1	89	23-AUG-92	8240	5	U	5	D
Chlorobenzene	SNL0091281	LWDS-MW1	89	23-AUG-92	8240	5	U	5	F
Chlorobenzene	SNL0091285	LWDS-MW1	102	24-AUG-92	8240	5	U	5	F
Chlorobenzene	SNL0091289	LWDS-MW1	110	24-AUG-92	8240	5	U	5	F
Chlorobenzene	SNL0091287	LWDS-MW1	110	24-AUG-92	8240	5	U	5	F
Chlorobenzene	SNL0091294	LWDS-MW1	120	25-AUG-92	8240	5	U	5	F
Chlorobenzene	SNL0091296	LWDS-MW1	130	25-AUG-92	8240	5	U	5	F
Chlorobenzene	SNL0091582	LWDS-MW1	143	02-SEP-92	8240	5	U	5	F
Chlorobenzene	SNL0091584	LWDS-MW1	150	02-SEP-92	8240	5	U	5	F
Chlorobenzene	SNL0092980	LWDS-MW1	176	06-APR-93	8240	5	U	5	F
Chlorobenzene	SNL0092990	LWDS-MW1	202	08-APR-93	8240	5	U	5	F
Chlorobenzene	SNL0093004	LWDS-MW1	226	13-APR-93	8240	5	U	5	F
Chlorobenzene	SNL0093014	LWDS-MW1	250	14-APR-93	8240	5	U	5	F
Chlorobenzene	SNL0093026	LWDS-MW1	274	15-APR-93	8240	5	U	5	F
Chlorobenzene	SNL0093046	LWDS-MW1	315	17-APR-93	8240	5	U	5	F
Chlorobenzene	SNL0093036	LWDS-MW1	346	19-APR-93	8240	5	U	5	D
Chlorobenzene	SNL0093058	LWDS-MW1	346	19-APR-93	8240	5	U	5	F
Chlorobenzene	SNL0093070	LWDS-MW1	390	21-APR-93	8240	5	U	5	F
Chlorobenzene	SNL0093093	LWDS-MW1	444	27-APR-93	8240	5	U	5	F
Chloroethane	SNL0093572	LWDS-05-BH11	0	20-MAR-94	8240	10	U	10	TB
Chloroethane	SNL0093466	LWDS-05-BH12	0	21-MAR-94	8240	10	U	10	TB
Chloroethane	SNL0093375	LWDS-05-BH13	0	22-MAR-94	8240	10	U	10	TB
Chloroethane	SNL0093717	LWDS-05-BH13	0	29-MAR-94	8240	10	U	10	F
Chloroethane	SNL0093655	LWDS-05-BH14	0	23-MAR-94	8240	10	U	10	TB
Chloroethane	SNL0093115	LWDS-MW1	0	30-APR-93	8240	10	U	10	F

Table A-5: Organics analyses of soil samples from ER Site 5.

Analyte	Sample Number	Sample Location	Sample Depth (Ft)	Sample Date	Analytical Method	Amount Detected (ug/kg)	Qualifier	Method Detection Limit	Sample Type
Chloroethane	SNL0093083	LWDS-MW1	0	21-APR-93	8240	10	U	10	F
Chloroethane	SNL0091258	LWDS-MW1	12	22-AUG-92	8240	10	U	10	F
Chloroethane	SNL0091260	LWDS-MW1	21	22-AUG-92	8240	10	U	10	F
Chloroethane	SNL0093467	LWDS-05-BH11	25	20-MAR-94	8240	10	U	10	F
Chloroethane	SNL0093377	LWDS-05-BH12	25	21-MAR-94	8240	10	U	10	F
Chloroethane	SNL0093287	LWDS-05-BH13	25	22-MAR-94	8240	10	U	10	F
Chloroethane	SNL0093673	LWDS-05-BH14	25	23-MAR-94	8240	10	U	10	F
Chloroethane	SNL0093475	LWDS-05-BH11	30	20-MAR-94	8240	10	U	10	F
Chloroethane	SNL0093385	LWDS-05-BH12	30	21-MAR-94	8240	10	U	10	F
Chloroethane	SNL0093295	LWDS-05-BH13	30	22-MAR-94	8240	10	U	10	F
Chloroethane	SNL0093677	LWDS-05-BH14	30	23-MAR-94	8240	10	U	10	F
Chloroethane	SNL0091262	LWDS-MW1	30	22-AUG-92	8240	10	U	10	F
Chloroethane	SNL0093483	LWDS-05-BH11	32.5	20-MAR-94	8240	10	U	10	F
Chloroethane	SNL0093393	LWDS-05-BH12	32.5	21-MAR-94	8240	10	U	10	F
Chloroethane	SNL0093303	LWDS-05-BH13	32.5	22-MAR-94	8240	10	U	10	F
Chloroethane	SNL0093681	LWDS-05-BH14	32.5	23-MAR-94	8240	10	U	10	F
Chloroethane	SNL0093484	LWDS-05-BH11	35	20-MAR-94	8240	10	U	10	F
Chloroethane	SNL0093401	LWDS-05-BH12	35	21-MAR-94	8240	10	U	10	F
Chloroethane	SNL0093311	LWDS-05-BH13	35	22-MAR-94	8240	10	U	10	F
Chloroethane	SNL0093685	LWDS-05-BH14	35	23-MAR-94	8240	10	U	10	F
Chloroethane	SNL0093582	LWDS-05-BH11	37.5	20-MAR-94	8240	10	U	10	F
Chloroethane	SNL0093409	LWDS-05-BH12	37.5	21-MAR-94	8240	10	U	10	F
Chloroethane	SNL0093319	LWDS-05-BH13	37.5	22-MAR-94	8240	10	U	10	F
Chloroethane	SNL0093689	LWDS-05-BH14	37.5	23-MAR-94	8240	10	U	10	F
Chloroethane	SNL0091264	LWDS-MW1	39	22-AUG-92	8240	10	U	10	F
Chloroethane	SNL0093492	LWDS-05-BH11	40	20-MAR-94	8240	10	U	10	F
Chloroethane	SNL0093417	LWDS-05-BH12	40	21-MAR-94	8240	10	U	10	F
Chloroethane	SNL0093327	LWDS-05-BH13	40	22-MAR-94	8240	10	U	10	F
Chloroethane	SNL0093693	LWDS-05-BH14	40	23-MAR-94	8240	10	U	10	F
Chloroethane	SNL0093500	LWDS-05-BH11	42.5	20-MAR-94	8240	10	U	10	F
Chloroethane	SNL0093508	LWDS-05-BH11	45	20-MAR-94	8240	10	U	10	F
Chloroethane	SNL0093425	LWDS-05-BH12	45	21-MAR-94	8240	10	U	10	F
Chloroethane	SNL0093335	LWDS-05-BH13	45	22-MAR-94	8240	10	U	10	F
Chloroethane	SNL0093626	LWDS-05-BH14	45	23-MAR-94	8240	10	U	10	F
Chloroethane	SNL0093516	LWDS-05-BH11	47.5	20-MAR-94	8240	10	U	10	F
Chloroethane	SNL0093524	LWDS-05-BH11	50	20-MAR-94	8240	10	U	10	F
Chloroethane	SNL0093433	LWDS-05-BH12	50	21-MAR-94	8240	10	U	10	F
Chloroethane	SNL0093351	LWDS-05-BH13	50	22-MAR-94	8240	10	U	10	D
Chloroethane	SNL0093343	LWDS-05-BH13	50	22-MAR-94	8240	10	U	10	F
Chloroethane	SNL0093630	LWDS-05-BH14	50	23-MAR-94	8240	10	U	10	F
Chloroethane	SNL0091268	LWDS-MW1	50	22-AUG-92	8240	10	U	10	D
Chloroethane	SNL0091266	LWDS-MW1	50	22-AUG-92	8240	10	U	10	F
Chloroethane	SNL0093532	LWDS-05-BH11	55	20-MAR-94	8240	10	U	10	F
Chloroethane	SNL0093449	LWDS-05-BH12	55	21-MAR-94	8240	10	U	10	D
Chloroethane	SNL0093441	LWDS-05-BH12	55	21-MAR-94	8240	10	U	10	F
Chloroethane	SNL0093359	LWDS-05-BH13	55	22-MAR-94	8240	10	U	10	F
Chloroethane	SNL0093634	LWDS-05-BH14	55	23-MAR-94	8240	10	U	10	F
Chloroethane	SNL0093540	LWDS-05-BH11	60	20-MAR-94	8240	10	U	10	F
Chloroethane	SNL0093638	LWDS-05-BH14	60	23-MAR-94	8240	10	U	10	F
Chloroethane	SNL0093642	LWDS-05-BH14	60	23-MAR-94	8240	10	U	10	D
Chloroethane	SNL0091270	LWDS-MW1	60	22-AUG-92	8240	10	U	10	F
Chloroethane	SNL0093548	LWDS-05-BH11	65	20-MAR-94	8240	10	U	10	F
Chloroethane	SNL0091277	LWDS-MW1	68	23-AUG-92	8240	10	U	10	F
Chloroethane	SNL0093564	LWDS-05-BH11	70	20-MAR-94	8240	10	U	10	D
Chloroethane	SNL0093556	LWDS-05-BH11	70	20-MAR-94	8240	10	U	10	F
Chloroethane	SNL0091279	LWDS-MW1	80	23-AUG-92	8240	10	U	10	F
Chloroethane	SNL0091283	LWDS-MW1	89	23-AUG-92	8240	10	U	10	D
Chloroethane	SNL0091281	LWDS-MW1	89	23-AUG-92	8240	10	U	10	F
Chloroethane	SNL0091285	LWDS-MW1	102	24-AUG-92	8240	10	U	10	F
Chloroethane	SNL0091287	LWDS-MW1	110	24-AUG-92	8240	10	U	10	F
Chloroethane	SNL0091289	LWDS-MW1	110	24-AUG-92	8240	10	U	10	F
Chloroethane	SNL0091294	LWDS-MW1	120	25-AUG-92	8240	10	U	10	F
Chloroethane	SNL0091296	LWDS-MW1	130	25-AUG-92	8240	10	U	10	F
Chloroethane	SNL0091582	LWDS-MW1	143	02-SEP-92	8240	10	U	10	F
Chloroethane	SNL0091584	LWDS-MW1	150	02-SEP-92	8240	10	U	10	F
Chloroethane	SNL0092980	LWDS-MW1	176	06-APR-93	8240	10	U	10	F
Chloroethane	SNL0092990	LWDS-MW1	202	08-APR-93	8240	10	U	10	F

Table A-5: Organics analyses of soil samples from ER Site 5.

Analyte	Sample Number	Sample Location	Sample Depth (Ft)	Sample Date	Analytical Method	Amount Detected (ug/kg)	Qualifier	Method Detection Limit	Sample Type
Chloroethane	SNL0093004	LWDS-MW1	226	13-APR-93	8240	10	U	10	F
Chloroethane	SNL0093014	LWDS-MW1	250	14-APR-93	8240	10	U	10	F
Chloroethane	SNL0093026	LWDS-MW1	274	15-APR-93	8240	10	U	10	F
Chloroethane	SNL0093046	LWDS-MW1	315	17-APR-93	8240	10	U	10	F
Chloroethane	SNL0093058	LWDS-MW1	346	19-APR-93	8240	10	U	10	F
Chloroethane	SNL0093036	LWDS-MW1	346	19-APR-93	8240	10	U	10	D
Chloroethane	SNL0093070	LWDS-MW1	390	21-APR-93	8240	10	U	10	F
Chloroethane	SNL0093093	LWDS-MW1	444	27-APR-93	8240	10	U	10	F
Chloroethoxy)methane, bis(	SNL0093720	LWDS-05-BH13	0	29-MAR-94	8270	330	U	330	F
Chloroethoxy)methane, bis(	SNL0093091	LWDS-MW1	0	21-APR-93	8270	330	U	330	F
Chloroethoxy)methane, bis(	SNL0093123	LWDS-MW1	0	30-APR-93	8270	330	U	330	F
Chloroethoxy)methane, bis(	SNL0091259	LWDS-MW1	12	22-AUG-92	8270	330	U	330	F
Chloroethoxy)methane, bis(	SNL0091261	LWDS-MW1	21	22-AUG-92	8270	330	U	330	F
Chloroethoxy)methane, bis(	SNL0093474	LWDS-05-BH11	25	20-MAR-94	8270	330	U	330	F
Chloroethoxy)methane, bis(	SNL0093384	LWDS-05-BH12	25	21-MAR-94	8270	330	U	330	F
Chloroethoxy)methane, bis(	SNL0093294	LWDS-05-BH13	25	22-MAR-94	8270	330	U	330	F
Chloroethoxy)methane, bis(	SNL0093676	LWDS-05-BH14	25	23-MAR-94	8270	330	U	330	F
Chloroethoxy)methane, bis(	SNL0093482	LWDS-05-BH11	30	20-MAR-94	8270	330	U	330	F
Chloroethoxy)methane, bis(	SNL0093392	LWDS-05-BH12	30	21-MAR-94	8270	330	U	330	F
Chloroethoxy)methane, bis(	SNL0093302	LWDS-05-BH13	30	22-MAR-94	8270	330	U	330	F
Chloroethoxy)methane, bis(	SNL0093680	LWDS-05-BH14	30	23-MAR-94	8270	330	U	330	F
Chloroethoxy)methane, bis(	SNL0091263	LWDS-MW1	30	22-AUG-92	8270	330	U	330	F
Chloroethoxy)methane, bis(	SNL0093400	LWDS-05-BH12	32.5	21-MAR-94	8270	330	U	330	F
Chloroethoxy)methane, bis(	SNL0093310	LWDS-05-BH13	32.5	22-MAR-94	8270	330	U	330	F
Chloroethoxy)methane, bis(	SNL0093684	LWDS-05-BH14	32.5	23-MAR-94	8270	330	U	330	F
Chloroethoxy)methane, bis(	SNL0093491	LWDS-05-BH11	35	20-MAR-94	8270	330	U	330	F
Chloroethoxy)methane, bis(	SNL0093408	LWDS-05-BH12	35	21-MAR-94	8270	330	U	330	F
Chloroethoxy)methane, bis(	SNL0093318	LWDS-05-BH13	35	22-MAR-94	8270	330	U	330	F
Chloroethoxy)methane, bis(	SNL0093688	LWDS-05-BH14	35	23-MAR-94	8270	330	U	330	F
Chloroethoxy)methane, bis(	SNL0093589	LWDS-05-BH11	37.5	20-MAR-94	8270	330	U	330	F
Chloroethoxy)methane, bis(	SNL0093416	LWDS-05-BH12	37.5	21-MAR-94	8270	330	U	330	F
Chloroethoxy)methane, bis(	SNL0093326	LWDS-05-BH13	37.5	22-MAR-94	8270	330	U	330	F
Chloroethoxy)methane, bis(	SNL0093692	LWDS-05-BH14	37.5	23-MAR-94	8270	330	U	330	F
Chloroethoxy)methane, bis(	SNL0091265	LWDS-MW1	39	22-AUG-92	8270	330	U	330	F
Chloroethoxy)methane, bis(	SNL0093499	LWDS-05-BH11	40	20-MAR-94	8270	330	U	330	F
Chloroethoxy)methane, bis(	SNL0093424	LWDS-05-BH12	40	21-MAR-94	8270	330	U	330	F
Chloroethoxy)methane, bis(	SNL0093334	LWDS-05-BH13	40	22-MAR-94	8270	330	U	330	F
Chloroethoxy)methane, bis(	SNL0093625	LWDS-05-BH14	40	23-MAR-94	8270	330	U	330	F
Chloroethoxy)methane, bis(	SNL0093507	LWDS-05-BH11	42.5	20-MAR-94	8270	330	U	330	F
Chloroethoxy)methane, bis(	SNL0093515	LWDS-05-BH11	45	20-MAR-94	8270	330	U	330	F
Chloroethoxy)methane, bis(	SNL0093432	LWDS-05-BH12	45	21-MAR-94	8270	330	U	330	F
Chloroethoxy)methane, bis(	SNL0093342	LWDS-05-BH13	45	22-MAR-94	8270	330	U	330	F
Chloroethoxy)methane, bis(	SNL0093629	LWDS-05-BH14	45	23-MAR-94	8270	330	U	330	F
Chloroethoxy)methane, bis(	SNL0093523	LWDS-05-BH11	47.5	20-MAR-94	8270	330	U	330	F
Chloroethoxy)methane, bis(	SNL0093531	LWDS-05-BH11	50	20-MAR-94	8270	330	U	330	F
Chloroethoxy)methane, bis(	SNL0093440	LWDS-05-BH12	50	21-MAR-94	8270	330	U	330	F
Chloroethoxy)methane, bis(	SNL0093358	LWDS-05-BH13	50	22-MAR-94	8270	330	U	330	F
Chloroethoxy)methane, bis(	SNL0093350	LWDS-05-BH13	50	22-MAR-94	8270	330	U	330	F
Chloroethoxy)methane, bis(	SNL0093633	LWDS-05-BH14	50	23-MAR-94	8270	330	U	330	F
Chloroethoxy)methane, bis(	SNL0091269	LWDS-MW1	50	22-AUG-92	8270	330	U	330	D
Chloroethoxy)methane, bis(	SNL0091267	LWDS-MW1	50	22-AUG-92	8270	330	U	330	F
Chloroethoxy)methane, bis(	SNL0093539	LWDS-05-BH11	55	20-MAR-94	8270	330	U	330	F
Chloroethoxy)methane, bis(	SNL0093448	LWDS-05-BH12	55	21-MAR-94	8270	330	U	330	F
Chloroethoxy)methane, bis(	SNL0093456	LWDS-05-BH12	55	21-MAR-94	8270	330	U	330	D
Chloroethoxy)methane, bis(	SNL0093366	LWDS-05-BH13	55	22-MAR-94	8270	330	U	330	F
Chloroethoxy)methane, bis(	SNL0093637	LWDS-05-BH14	55	23-MAR-94	8270	330	U	330	F
Chloroethoxy)methane, bis(	SNL0093547	LWDS-05-BH11	60	20-MAR-94	8270	330	U	330	F
Chloroethoxy)methane, bis(	SNL0093645	LWDS-05-BH14	60	23-MAR-94	8270	330	U	330	D
Chloroethoxy)methane, bis(	SNL0093641	LWDS-05-BH14	60	23-MAR-94	8270	330	U	330	F
Chloroethoxy)methane, bis(	SNL0091271	LWDS-MW1	60	22-AUG-92	8270	330	U	330	F
Chloroethoxy)methane, bis(	SNL0093555	LWDS-05-BH11	65	20-MAR-94	8270	330	U	330	F
Chloroethoxy)methane, bis(	SNL0091278	LWDS-MW1	68	23-AUG-92	8270	330	U	330	F
Chloroethoxy)methane, bis(	SNL0093571	LWDS-05-BH11	70	20-MAR-94	8270	330	U	330	D
Chloroethoxy)methane, bis(	SNL0093563	LWDS-05-BH11	70	20-MAR-94	8270	330	U	330	F
Chloroethoxy)methane, bis(	SNL0091280	LWDS-MW1	80	23-AUG-92	8270	330	U	330	F
Chloroethoxy)methane, bis(	SNL0091284	LWDS-MW1	89	23-AUG-92	8270	330	U	330	D
Chloroethoxy)methane, bis(	SNL0091282	LWDS-MW1	89	23-AUG-92	8270	330	U	330	F

Table A-5: Organics analyses of soil samples from ER Site 5.

Analyte	Sample Number	Sample Location	Sample Depth (Ft)	Sample Date	Analytical Method	Amount Detected (ug/kg)	Qualifier	Method Detection Limit	Sample Type
Chloroethoxy)methane, bis(2	SNL0091286	LWDS-MW1	102	24-AUG-92	8270	330	U	330	F
Chloroethoxy)methane, bis(2	SNL0091290	LWDS-MW1	110	24-AUG-92	8270	330	U	330	F
Chloroethoxy)methane, bis(2	SNL0091288	LWDS-MW1	110	24-AUG-92	8270	330	U	330	F
Chloroethoxy)methane, bis(2	SNL0091295	LWDS-MW1	120	25-AUG-92	8270	330	U	330	F
Chloroethoxy)methane, bis(2	SNL0091297	LWDS-MW1	130	25-AUG-92	8270	330	U	330	F
Chloroethoxy)methane, bis(2	SNL0091583	LWDS-MW1	143	02-SEP-92	8270	330	U	330	F
Chloroethoxy)methane, bis(2	SNL0091585	LWDS-MW1	150	02-SEP-92	8270	330	U	330	F
Chloroethoxy)methane, bis(2	SNL0092988	LWDS-MW1	176	06-APR-93	8270	330	U	330	F
Chloroethoxy)methane, bis(2	SNL0092998	LWDS-MW1	202	08-APR-93	8270	330	U	330	F
Chloroethoxy)methane, bis(2	SNL0093012	LWDS-MW1	226	13-APR-93	8270	330	U	330	F
Chloroethoxy)methane, bis(2	SNL0093022	LWDS-MW1	250	14-APR-93	8270	330	U	330	F
Chloroethoxy)methane, bis(2	SNL0093034	LWDS-MW1	274	15-APR-93	8270	330	U	330	F
Chloroethoxy)methane, bis(2	SNL0093054	LWDS-MW1	315	17-APR-93	8270	330	U	330	F
Chloroethoxy)methane, bis(2	SNL0093044	LWDS-MW1	346	19-APR-93	8270	330	U	330	D
Chloroethoxy)methane, bis(2	SNL0093066	LWDS-MW1	346	19-APR-93	8270	330	U	330	F
Chloroethoxy)methane, bis(2	SNL0093078	LWDS-MW1	390	21-APR-93	8270	330	U	330	F
Chloroethoxy)methane, bis(2	SNL0093101	LWDS-MW1	444	27-APR-93	8270	330	U	330	F
Chloroethyl)ether, bis(2-	SNL0093720	LWDS-05-BH13	0	29-MAR-94	8270	330	U	330	F
Chloroethyl)ether, bis(2-	SNL0093123	LWDS-MW1	0	30-APR-93	8270	330	U	330	F
Chloroethyl)ether, bis(2-	SNL0093091	LWDS-MW1	0	21-APR-93	8270	330	U	330	F
Chloroethyl)ether, bis(2-	SNL0091259	LWDS-MW1	12	22-AUG-92	8270	330	U	330	F
Chloroethyl)ether, bis(2-	SNL0091261	LWDS-MW1	21	22-AUG-92	8270	330	U	330	F
Chloroethyl)ether, bis(2-	SNL0093474	LWDS-05-BH11	25	20-MAR-94	8270	330	U	330	F
Chloroethyl)ether, bis(2-	SNL0093384	LWDS-05-BH12	25	21-MAR-94	8270	330	U	330	F
Chloroethyl)ether, bis(2-	SNL0093294	LWDS-05-BH13	25	22-MAR-94	8270	330	U	330	F
Chloroethyl)ether, bis(2-	SNL0093676	LWDS-05-BH14	25	23-MAR-94	8270	330	U	330	F
Chloroethyl)ether, bis(2-	SNL0093482	LWDS-05-BH11	30	20-MAR-94	8270	330	U	330	F
Chloroethyl)ether, bis(2-	SNL0093392	LWDS-05-BH12	30	21-MAR-94	8270	330	U	330	F
Chloroethyl)ether, bis(2-	SNL0093302	LWDS-05-BH13	30	22-MAR-94	8270	330	U	330	F
Chloroethyl)ether, bis(2-	SNL0093680	LWDS-05-BH14	30	23-MAR-94	8270	330	U	330	F
Chloroethyl)ether, bis(2-	SNL0091263	LWDS-MW1	30	22-AUG-92	8270	330	U	330	F
Chloroethyl)ether, bis(2-	SNL0093400	LWDS-05-BH12	32.5	21-MAR-94	8270	330	U	330	F
Chloroethyl)ether, bis(2-	SNL0093310	LWDS-05-BH13	32.5	22-MAR-94	8270	330	U	330	F
Chloroethyl)ether, bis(2-	SNL0093684	LWDS-05-BH14	32.5	23-MAR-94	8270	330	U	330	F
Chloroethyl)ether, bis(2-	SNL0093491	LWDS-05-BH11	35	20-MAR-94	8270	330	U	330	F
Chloroethyl)ether, bis(2-	SNL0093408	LWDS-05-BH12	35	21-MAR-94	8270	330	U	330	F
Chloroethyl)ether, bis(2-	SNL0093318	LWDS-05-BH13	35	22-MAR-94	8270	330	U	330	F
Chloroethyl)ether, bis(2-	SNL0093688	LWDS-05-BH14	35	23-MAR-94	8270	330	U	330	F
Chloroethyl)ether, bis(2-	SNL0093589	LWDS-05-BH11	37.5	20-MAR-94	8270	330	U	330	F
Chloroethyl)ether, bis(2-	SNL0093416	LWDS-05-BH12	37.5	21-MAR-94	8270	330	U	330	F
Chloroethyl)ether, bis(2-	SNL0093326	LWDS-05-BH13	37.5	22-MAR-94	8270	330	U	330	F
Chloroethyl)ether, bis(2-	SNL0093692	LWDS-05-BH14	37.5	23-MAR-94	8270	330	U	330	F
Chloroethyl)ether, bis(2-	SNL0091265	LWDS-MW1	39	22-AUG-92	8270	330	U	330	F
Chloroethyl)ether, bis(2-	SNL0093499	LWDS-05-BH11	40	20-MAR-94	8270	330	U	330	F
Chloroethyl)ether, bis(2-	SNL0093424	LWDS-05-BH12	40	21-MAR-94	8270	330	U	330	F
Chloroethyl)ether, bis(2-	SNL0093334	LWDS-05-BH13	40	22-MAR-94	8270	330	U	330	F
Chloroethyl)ether, bis(2-	SNL0093625	LWDS-05-BH14	40	23-MAR-94	8270	330	U	330	F
Chloroethyl)ether, bis(2-	SNL0093507	LWDS-05-BH11	42.5	20-MAR-94	8270	330	U	330	F
Chloroethyl)ether, bis(2-	SNL0093515	LWDS-05-BH11	45	20-MAR-94	8270	330	U	330	F
Chloroethyl)ether, bis(2-	SNL0093432	LWDS-05-BH12	45	21-MAR-94	8270	330	U	330	F
Chloroethyl)ether, bis(2-	SNL0093342	LWDS-05-BH13	45	22-MAR-94	8270	330	U	330	F
Chloroethyl)ether, bis(2-	SNL0093629	LWDS-05-BH14	45	23-MAR-94	8270	330	U	330	F
Chloroethyl)ether, bis(2-	SNL0093523	LWDS-05-BH11	47.5	20-MAR-94	8270	330	U	330	F
Chloroethyl)ether, bis(2-	SNL0093531	LWDS-05-BH11	50	20-MAR-94	8270	330	U	330	F
Chloroethyl)ether, bis(2-	SNL0093440	LWDS-05-BH12	50	21-MAR-94	8270	330	U	330	F
Chloroethyl)ether, bis(2-	SNL0093350	LWDS-05-BH13	50	22-MAR-94	8270	330	U	330	F
Chloroethyl)ether, bis(2-	SNL0093358	LWDS-05-BH13	50	22-MAR-94	8270	330	U	330	F
Chloroethyl)ether, bis(2-	SNL0093633	LWDS-05-BH14	50	23-MAR-94	8270	330	U	330	F
Chloroethyl)ether, bis(2-	SNL0091269	LWDS-MW1	50	22-AUG-92	8270	330	U	330	D
Chloroethyl)ether, bis(2-	SNL0091267	LWDS-MW1	50	22-AUG-92	8270	330	U	330	F
Chloroethyl)ether, bis(2-	SNL0093539	LWDS-05-BH11	55	20-MAR-94	8270	330	U	330	F
Chloroethyl)ether, bis(2-	SNL0093456	LWDS-05-BH12	55	21-MAR-94	8270	330	U	330	D
Chloroethyl)ether, bis(2-	SNL0093448	LWDS-05-BH12	55	21-MAR-94	8270	330	U	330	F
Chloroethyl)ether, bis(2-	SNL0093366	LWDS-05-BH13	55	22-MAR-94	8270	330	U	330	F
Chloroethyl)ether, bis(2-	SNL0093637	LWDS-05-BH14	55	23-MAR-94	8270	330	U	330	F
Chloroethyl)ether, bis(2-	SNL0093547	LWDS-05-BH11	60	20-MAR-94	8270	330	U	330	F
Chloroethyl)ether, bis(2-	SNL0093645	LWDS-05-BH14	60	23-MAR-94	8270	330	U	330	D

Table A-5: Organics analyses of soil samples from ER Site 5.

Analyte	Sample Number	Sample Location	Sample Depth (Ft)	Sample Date	Analytical Method	Amount Detected (ug/kg)	Qualifier	Method Detection Limit	Sample Type
Chloroethyl)ether, bis(2-	SNL0093641	LWDS-05-BH14	60	23-MAR-94	8270	330	U	330	F
Chloroethyl)ether, bis(2-	SNL0091271	LWDS-MW1	60	22-AUG-92	8270	330	U	330	F
Chloroethyl)ether, bis(2-	SNL0093555	LWDS-05-BH11	65	20-MAR-94	8270	330	U	330	F
Chloroethyl)ether, bis(2-	SNL0091278	LWDS-MW1	68	23-AUG-92	8270	330	U	330	F
Chloroethyl)ether, bis(2-	SNL0093563	LWDS-05-BH11	70	20-MAR-94	8270	330	U	330	F
Chloroethyl)ether, bis(2-	SNL0093571	LWDS-05-BH11	70	20-MAR-94	8270	330	U	330	D
Chloroethyl)ether, bis(2-	SNL0091280	LWDS-MW1	80	23-AUG-92	8270	330	U	330	F
Chloroethyl)ether, bis(2-	SNL0091284	LWDS-MW1	89	23-AUG-92	8270	330	U	330	D
Chloroethyl)ether, bis(2-	SNL0091282	LWDS-MW1	89	23-AUG-92	8270	330	U	330	F
Chloroethyl)ether, bis(2-	SNL0091286	LWDS-MW1	102	24-AUG-92	8270	330	U	330	F
Chloroethyl)ether, bis(2-	SNL0091290	LWDS-MW1	110	24-AUG-92	8270	330	U	330	F
Chloroethyl)ether, bis(2-	SNL0091288	LWDS-MW1	110	24-AUG-92	8270	330	U	330	F
Chloroethyl)ether, bis(2-	SNL0091295	LWDS-MW1	120	25-AUG-92	8270	330	U	330	F
Chloroethyl)ether, bis(2-	SNL0091297	LWDS-MW1	130	25-AUG-92	8270	330	U	330	F
Chloroethyl)ether, bis(2-	SNL0091583	LWDS-MW1	143	02-SEP-92	8270	330	U	330	F
Chloroethyl)ether, bis(2-	SNL0091585	LWDS-MW1	150	02-SEP-92	8270	330	U	330	F
Chloroethyl)ether, bis(2-	SNL0092988	LWDS-MW1	176	06-APR-93	8270	330	U	330	F
Chloroethyl)ether, bis(2-	SNL0092998	LWDS-MW1	202	08-APR-93	8270	330	U	330	F
Chloroethyl)ether, bis(2-	SNL0093012	LWDS-MW1	226	13-APR-93	8270	330	U	330	F
Chloroethyl)ether, bis(2-	SNL0093022	LWDS-MW1	250	14-APR-93	8270	330	U	330	F
Chloroethyl)ether, bis(2-	SNL0093034	LWDS-MW1	274	15-APR-93	8270	330	U	330	F
Chloroethyl)ether, bis(2-	SNL0093054	LWDS-MW1	315	17-APR-93	8270	330	U	330	F
Chloroethyl)ether, bis(2-	SNL0093066	LWDS-MW1	346	19-APR-93	8270	330	U	330	F
Chloroethyl)ether, bis(2-	SNL0093044	LWDS-MW1	346	19-APR-93	8270	330	U	330	D
Chloroethyl)ether, bis(2-	SNL0093078	LWDS-MW1	390	21-APR-93	8270	330	U	330	F
Chloroethyl)ether, bis(2-	SNL0093101	LWDS-MW1	444	27-APR-93	8270	330	U	330	F
Chloroform	SNL0093572	LWDS-05-BH11	0	20-MAR-94	8240	5	U	5	TB
Chloroform	SNL0093466	LWDS-05-BH12	0	21-MAR-94	8240	5	U	5	TB
Chloroform	SNL0093717	LWDS-05-BH13	0	29-MAR-94	8240	5	U	5	F
Chloroform	SNL0093375	LWDS-05-BH13	0	22-MAR-94	8240	5	U	5	TB
Chloroform	SNL0093655	LWDS-05-BH14	0	23-MAR-94	8240	5	U	5	TB
Chloroform	SNL0093083	LWDS-MW1	0	21-APR-93	8240	5	U	5	F
Chloroform	SNL0093115	LWDS-MW1	0	30-APR-93	8240	5	U	5	F
Chloroform	SNL0091258	LWDS-MW1	12	22-AUG-92	8240	5	U	5	F
Chloroform	SNL0091260	LWDS-MW1	21	22-AUG-92	8240	5	U	5	F
Chloroform	SNL0093467	LWDS-05-BH11	25	20-MAR-94	8240	5	U	5	F
Chloroform	SNL0093377	LWDS-05-BH12	25	21-MAR-94	8240	5	U	5	F
Chloroform	SNL0093287	LWDS-05-BH13	25	22-MAR-94	8240	5	U	5	F
Chloroform	SNL0093673	LWDS-05-BH14	25	23-MAR-94	8240	5	U	5	F
Chloroform	SNL0093475	LWDS-05-BH11	30	20-MAR-94	8240	5	U	5	F
Chloroform	SNL0093385	LWDS-05-BH12	30	21-MAR-94	8240	5	U	5	F
Chloroform	SNL0093295	LWDS-05-BH13	30	22-MAR-94	8240	5	U	5	F
Chloroform	SNL0093677	LWDS-05-BH14	30	23-MAR-94	8240	5	U	5	F
Chloroform	SNL0091262	LWDS-MW1	30	22-AUG-92	8240	5	U	5	F
Chloroform	SNL0093483	LWDS-05-BH11	32.5	20-MAR-94	8240	5	U	5	F
Chloroform	SNL0093393	LWDS-05-BH12	32.5	21-MAR-94	8240	5	U	5	F
Chloroform	SNL0093303	LWDS-05-BH13	32.5	22-MAR-94	8240	5	U	5	F
Chloroform	SNL0093681	LWDS-05-BH14	32.5	23-MAR-94	8240	5	U	5	F
Chloroform	SNL0093484	LWDS-05-BH11	35	20-MAR-94	8240	5	U	5	F
Chloroform	SNL0093401	LWDS-05-BH12	35	21-MAR-94	8240	5	U	5	F
Chloroform	SNL0093311	LWDS-05-BH13	35	22-MAR-94	8240	5	U	5	F
Chloroform	SNL0093685	LWDS-05-BH14	35	23-MAR-94	8240	5	U	5	F
Chloroform	SNL0093582	LWDS-05-BH11	37.5	20-MAR-94	8240	5	U	5	F
Chloroform	SNL0093409	LWDS-05-BH12	37.5	21-MAR-94	8240	5	U	5	F
Chloroform	SNL0093319	LWDS-05-BH13	37.5	22-MAR-94	8240	5	U	5	F
Chloroform	SNL0093689	LWDS-05-BH14	37.5	23-MAR-94	8240	5	U	5	F
Chloroform	SNL0091264	LWDS-MW1	39	22-AUG-92	8240	5	U	5	F
Chloroform	SNL0093492	LWDS-05-BH11	40	20-MAR-94	8240	5	U	5	F
Chloroform	SNL0093417	LWDS-05-BH12	40	21-MAR-94	8240	5	U	5	F
Chloroform	SNL0093327	LWDS-05-BH13	40	22-MAR-94	8240	5	U	5	F
Chloroform	SNL0093693	LWDS-05-BH14	40	23-MAR-94	8240	5	U	5	F
Chloroform	SNL0093500	LWDS-05-BH11	42.5	20-MAR-94	8240	5	U	5	F
Chloroform	SNL0093508	LWDS-05-BH11	45	20-MAR-94	8240	5	U	5	F
Chloroform	SNL0093425	LWDS-05-BH12	45	21-MAR-94	8240	5	U	5	F
Chloroform	SNL0093335	LWDS-05-BH13	45	22-MAR-94	8240	5	U	5	F
Chloroform	SNL0093626	LWDS-05-BH14	45	23-MAR-94	8240	5	U	5	F
Chloroform	SNL0093516	LWDS-05-BH11	47.5	20-MAR-94	8240	5	U	5	F

Table A-5: Organics analyses of soil samples from ER Site 5.

Analyte	Sample Number	Sample Location	Sample Depth (Ft)	Sample Date	Analytical Method	Amount Detected (ug/kg)	Qualifier	Method Detection Limit	Sample Type
Chloroform	SNL0093524	LWDS-05-BH11	50	20-MAR-94	8240	5	U	5	F
Chloroform	SNL0093436	LWDS-05-BH12	50	21-MAR-94	8240	5	U	5	F
Chloroform	SNL0093351	LWDS-05-BH13	50	22-MAR-94	8240	5	U	5	D
Chloroform	SNL0093343	LWDS-05-BH13	50	22-MAR-94	8240	5	U	5	F
Chloroform	SNL0093630	LWDS-05-BH14	50	23-MAR-94	8240	5	U	5	F
Chloroform	SNL0091268	LWDS-MW1	50	22-AUG-92	8240	5	U	5	D
Chloroform	SNL0091266	LWDS-MW1	50	22-AUG-92	8240	5	U	5	F
Chloroform	SNL0093532	LWDS-05-BH11	55	20-MAR-94	8240	5	U	5	F
Chloroform	SNL0093441	LWDS-05-BH12	55	21-MAR-94	8240	5	U	5	F
Chloroform	SNL0093449	LWDS-05-BH12	55	21-MAR-94	8240	5	U	5	D
Chloroform	SNL0093359	LWDS-05-BH13	55	22-MAR-94	8240	5	U	5	F
Chloroform	SNL0093634	LWDS-05-BH14	55	23-MAR-94	8240	5	U	5	F
Chloroform	SNL0093540	LWDS-05-BH11	60	20-MAR-94	8240	5	U	5	F
Chloroform	SNL0093642	LWDS-05-BH14	60	23-MAR-94	8240	5	U	5	D
Chloroform	SNL0093638	LWDS-05-BH14	60	23-MAR-94	8240	5	U	5	F
Chloroform	SNL0091270	LWDS-MW1	60	22-AUG-92	8240	5	U	5	F
Chloroform	SNL0093548	LWDS-05-BH11	65	20-MAR-94	8240	5	U	5	F
Chloroform	SNL0091277	LWDS-MW1	68	23-AUG-92	8240	5	U	5	F
Chloroform	SNL0093564	LWDS-05-BH11	70	20-MAR-94	8240	5	U	5	D
Chloroform	SNL0093556	LWDS-05-BH11	70	20-MAR-94	8240	5	U	5	F
Chloroform	SNL0091279	LWDS-MW1	80	23-AUG-92	8240	5	U	5	F
Chloroform	SNL0091283	LWDS-MW1	89	23-AUG-92	8240	5	U	5	D
Chloroform	SNL0091281	LWDS-MW1	89	23-AUG-92	8240	5	U	5	F
Chloroform	SNL0091285	LWDS-MW1	102	24-AUG-92	8240	5	U	5	F
Chloroform	SNL0091289	LWDS-MW1	110	24-AUG-92	8240	5	U	5	F
Chloroform	SNL0091287	LWDS-MW1	110	24-AUG-92	8240	5	U	5	F
Chloroform	SNL0091294	LWDS-MW1	120	25-AUG-92	8240	5	U	5	F
Chloroform	SNL0091296	LWDS-MW1	130	25-AUG-92	8240	5	U	5	F
Chloroform	SNL0091582	LWDS-MW1	143	02-SEP-92	8240	5	U	5	F
Chloroform	SNL0091584	LWDS-MW1	150	02-SEP-92	8240	5	U	5	F
Chloroform	SNL0092980	LWDS-MW1	176	06-APR-93	8240	5	U	5	F
Chloroform	SNL0092990	LWDS-MW1	202	08-APR-93	8240	5	U	5	F
Chloroform	SNL0093004	LWDS-MW1	226	13-APR-93	8240	5	U	5	F
Chloroform	SNL0093014	LWDS-MW1	250	14-APR-93	8240	5	U	5	F
Chloroform	SNL0093026	LWDS-MW1	274	15-APR-93	8240	5	U	5	F
Chloroform	SNL0093046	LWDS-MW1	315	17-APR-93	8240	5	U	5	F
Chloroform	SNL0093058	LWDS-MW1	346	19-APR-93	8240	5	U	5	F
Chloroform	SNL0093036	LWDS-MW1	346	19-APR-93	8240	5	U	5	D
Chloroform	SNL0093070	LWDS-MW1	390	21-APR-93	8240	5	U	5	F
Chloroform	SNL0093093	LWDS-MW1	444	27-APR-93	8240	5	U	5	F
Chloromethane	SNL0093572	LWDS-05-BH11	0	20-MAR-94	8240	10	U	10	TB
Chloromethane	SNL0093466	LWDS-05-BH12	0	21-MAR-94	8240	10	U	10	TB
Chloromethane	SNL0093375	LWDS-05-BH13	0	22-MAR-94	8240	10	U	10	TB
Chloromethane	SNL0093717	LWDS-05-BH13	0	29-MAR-94	8240	10	U	10	F
Chloromethane	SNL0093655	LWDS-05-BH14	0	23-MAR-94	8240	10	U	10	TB
Chloromethane	SNL0093115	LWDS-MW1	0	30-APR-93	8240	10	U	10	F
Chloromethane	SNL0093083	LWDS-MW1	0	21-APR-93	8240	10	U	10	F
Chloromethane	SNL0091258	LWDS-MW1	12	22-AUG-92	8240	10	U	10	F
Chloromethane	SNL0091260	LWDS-MW1	21	22-AUG-92	8240	10	U	10	F
Chloromethane	SNL0093467	LWDS-05-BH11	25	20-MAR-94	8240	10	U	10	F
Chloromethane	SNL0093377	LWDS-05-BH12	25	21-MAR-94	8240	10	U	10	F
Chloromethane	SNL0093287	LWDS-05-BH13	25	22-MAR-94	8240	10	U	10	F
Chloromethane	SNL0093673	LWDS-05-BH14	25	23-MAR-94	8240	10	U	10	F
Chloromethane	SNL0093475	LWDS-05-BH11	30	20-MAR-94	8240	10	U	10	F
Chloromethane	SNL0093385	LWDS-05-BH12	30	21-MAR-94	8240	10	U	10	F
Chloromethane	SNL0093295	LWDS-05-BH13	30	22-MAR-94	8240	10	U	10	F
Chloromethane	SNL0093677	LWDS-05-BH14	30	23-MAR-94	8240	10	U	10	F
Chloromethane	SNL0091262	LWDS-MW1	30	22-AUG-92	8240	10	U	10	F
Chloromethane	SNL0093483	LWDS-05-BH11	32.5	20-MAR-94	8240	10	U	10	F
Chloromethane	SNL0093393	LWDS-05-BH12	32.5	21-MAR-94	8240	10	U	10	F
Chloromethane	SNL0093303	LWDS-05-BH13	32.5	22-MAR-94	8240	10	U	10	F
Chloromethane	SNL0093681	LWDS-05-BH14	32.5	23-MAR-94	8240	10	U	10	F
Chloromethane	SNL0093484	LWDS-05-BH11	35	20-MAR-94	8240	10	U	10	F
Chloromethane	SNL0093401	LWDS-05-BH12	35	21-MAR-94	8240	10	U	10	F
Chloromethane	SNL0093311	LWDS-05-BH13	35	22-MAR-94	8240	10	U	10	F
Chloromethane	SNL0093685	LWDS-05-BH14	35	23-MAR-94	8240	10	U	10	F
Chloromethane	SNL0093582	LWDS-05-BH11	37.5	20-MAR-94	8240	10	U	10	F

Table A-5: Organics analyses of soil samples from ER Site 5.

Analyte	Sample Number	Sample Location	Sample Depth (Ft)	Sample Date	Analytical Method	Amount Detected (ug/kg)	Qualifier	Method Detection Limit	Sample Type
Chloromethane	SNL0093409	LWDS-05-BH12	37.5	21-MAR-94	8240	10	U	10	F
Chloromethane	SNL0093319	LWDS-05-BH13	37.5	22-MAR-94	8240	10	U	10	F
Chloromethane	SNL0093689	LWDS-05-BH14	37.5	23-MAR-94	8240	10	U	10	F
Chloromethane	SNL0091264	LWDS-MW1	39	22-AUG-92	8240	10	U	10	F
Chloromethane	SNL0093492	LWDS-05-BH11	40	20-MAR-94	8240	10	U	10	F
Chloromethane	SNL0093417	LWDS-05-BH12	40	21-MAR-94	8240	10	U	10	F
Chloromethane	SNL0093327	LWDS-05-BH13	40	22-MAR-94	8240	10	U	10	F
Chloromethane	SNL0093693	LWDS-05-BH14	40	23-MAR-94	8240	10	U	10	F
Chloromethane	SNL0093500	LWDS-05-BH11	42.5	20-MAR-94	8240	10	U	10	F
Chloromethane	SNL0093508	LWDS-05-BH11	45	20-MAR-94	8240	10	U	10	F
Chloromethane	SNL0093425	LWDS-05-BH12	45	21-MAR-94	8240	10	U	10	F
Chloromethane	SNL0093335	LWDS-05-BH13	45	22-MAR-94	8240	10	U	10	F
Chloromethane	SNL0093626	LWDS-05-BH14	45	23-MAR-94	8240	10	U	10	F
Chloromethane	SNL0093516	LWDS-05-BH11	47.5	20-MAR-94	8240	10	U	10	F
Chloromethane	SNL0093524	LWDS-05-BH11	50	20-MAR-94	8240	10	U	10	F
Chloromethane	SNL0093433	LWDS-05-BH12	50	21-MAR-94	8240	10	U	10	F
Chloromethane	SNL0093351	LWDS-05-BH13	50	22-MAR-94	8240	10	U	10	D
Chloromethane	SNL0093343	LWDS-05-BH13	50	22-MAR-94	8240	10	U	10	F
Chloromethane	SNL0093630	LWDS-05-BH14	50	23-MAR-94	8240	10	U	10	F
Chloromethane	SNL0091268	LWDS-MW1	50	22-AUG-92	8240	10	U	10	D
Chloromethane	SNL0091266	LWDS-MW1	50	22-AUG-92	8240	10	U	10	F
Chloromethane	SNL0093532	LWDS-05-BH11	55	20-MAR-94	8240	10	U	10	F
Chloromethane	SNL0093449	LWDS-05-BH12	55	21-MAR-94	8240	10	U	10	D
Chloromethane	SNL0093441	LWDS-05-BH12	55	21-MAR-94	8240	10	U	10	F
Chloromethane	SNL0093359	LWDS-05-BH13	55	22-MAR-94	8240	10	U	10	F
Chloromethane	SNL0093634	LWDS-05-BH14	55	23-MAR-94	8240	10	U	10	F
Chloromethane	SNL0093540	LWDS-05-BH11	60	20-MAR-94	8240	10	U	10	F
Chloromethane	SNL0093642	LWDS-05-BH14	60	23-MAR-94	8240	10	U	10	D
Chloromethane	SNL0093638	LWDS-05-BH14	60	23-MAR-94	8240	10	U	10	F
Chloromethane	SNL0091270	LWDS-MW1	60	22-AUG-92	8240	10	U	10	F
Chloromethane	SNL0093548	LWDS-05-BH11	65	20-MAR-94	8240	10	U	10	F
Chloromethane	SNL0091277	LWDS-MW1	68	23-AUG-92	8240	10	U	10	F
Chloromethane	SNL0093556	LWDS-05-BH11	70	20-MAR-94	8240	10	U	10	F
Chloromethane	SNL0093564	LWDS-05-BH11	70	20-MAR-94	8240	10	U	10	D
Chloromethane	SNL0091279	LWDS-MW1	80	23-AUG-92	8240	10	U	10	F
Chloromethane	SNL0091283	LWDS-MW1	89	23-AUG-92	8240	10	U	10	D
Chloromethane	SNL0091281	LWDS-MW1	89	23-AUG-92	8240	10	U	10	F
Chloromethane	SNL0091285	LWDS-MW1	102	24-AUG-92	8240	10	U	10	F
Chloromethane	SNL0091287	LWDS-MW1	110	24-AUG-92	8240	10	U	10	F
Chloromethane	SNL0091289	LWDS-MW1	110	24-AUG-92	8240	10	U	10	F
Chloromethane	SNL0091294	LWDS-MW1	120	25-AUG-92	8240	10	U	10	F
Chloromethane	SNL0091296	LWDS-MW1	130	25-AUG-92	8240	10	U	10	F
Chloromethane	SNL0091582	LWDS-MW1	143	02-SEP-92	8240	10	U	10	F
Chloromethane	SNL0091584	LWDS-MW1	150	02-SEP-92	8240	10	U	10	F
Chloromethane	SNL0092980	LWDS-MW1	176	06-APR-93	8240	10	U	10	F
Chloromethane	SNL0092990	LWDS-MW1	202	08-APR-93	8240	10	U	10	F
Chloromethane	SNL0093004	LWDS-MW1	226	13-APR-93	8240	10	U	10	F
Chloromethane	SNL0093014	LWDS-MW1	250	14-APR-93	8240	10	U	10	F
Chloromethane	SNL0093026	LWDS-MW1	274	15-APR-93	8240	10	U	10	F
Chloromethane	SNL0093046	LWDS-MW1	315	17-APR-93	8240	10	U	10	F
Chloromethane	SNL0093058	LWDS-MW1	346	19-APR-93	8240	10	U	10	F
Chloromethane	SNL0093036	LWDS-MW1	346	19-APR-93	8240	10	U	10	D
Chloromethane	SNL0093070	LWDS-MW1	390	21-APR-93	8240	10	U	10	F
Chloromethane	SNL0093093	LWDS-MW1	444	27-APR-93	8240	10	U	10	F
Chloronaphthalene, 2-	SNL0093720	LWDS-05-BH13	0	29-MAR-94	8270	330	U	330	F
Chloronaphthalene, 2-	SNL0093123	LWDS-MW1	0	30-APR-93	8270	330	U	330	F
Chloronaphthalene, 2-	SNL0093091	LWDS-MW1	0	21-APR-93	8270	330	U	330	F
Chloronaphthalene, 2-	SNL0091259	LWDS-MW1	12	22-AUG-92	8270	330	U	330	F
Chloronaphthalene, 2-	SNL0091261	LWDS-MW1	21	22-AUG-92	8270	330	U	330	F
Chloronaphthalene, 2-	SNL0093474	LWDS-05-BH11	25	20-MAR-94	8270	330	U	330	F
Chloronaphthalene, 2-	SNL0093384	LWDS-05-BH12	25	21-MAR-94	8270	330	U	330	F
Chloronaphthalene, 2-	SNL0093294	LWDS-05-BH13	25	22-MAR-94	8270	330	U	330	F
Chloronaphthalene, 2-	SNL0093676	LWDS-05-BH14	25	23-MAR-94	8270	330	U	330	F
Chloronaphthalene, 2-	SNL0093482	LWDS-05-BH11	30	20-MAR-94	8270	330	U	330	F
Chloronaphthalene, 2-	SNL0093392	LWDS-05-BH12	30	21-MAR-94	8270	330	U	330	F
Chloronaphthalene, 2-	SNL0093302	LWDS-05-BH13	30	22-MAR-94	8270	330	U	330	F
Chloronaphthalene, 2-	SNL0093680	LWDS-05-BH14	30	23-MAR-94	8270	330	U	330	F

Table A-5: Organics analyses of soil samples from ER Site 5.

Analyte	Sample Number	Sample Location	Sample Depth (Ft)	Sample Date	Analytical Method	Amount Detected (ug/kg)	Qualifier	Method Detection Limit	Sample Type
Chloronaphthalene, 2-	SNL0091263	LWDS-MW1	30	22-AUG-92	8270	330	U	330	F
Chloronaphthalene, 2-	SNL0093400	LWDS-05-BH12	32.5	21-MAR-94	8270	330	U	330	F
Chloronaphthalene, 2-	SNL0093310	LWDS-05-BH13	32.5	22-MAR-94	8270	330	U	330	F
Chloronaphthalene, 2-	SNL0093684	LWDS-05-BH14	32.5	23-MAR-94	8270	330	U	330	F
Chloronaphthalene, 2-	SNL0093491	LWDS-05-BH11	35	20-MAR-94	8270	330	U	330	F
Chloronaphthalene, 2-	SNL0093408	LWDS-05-BH12	35	21-MAR-94	8270	330	U	330	F
Chloronaphthalene, 2-	SNL0093318	LWDS-05-BH13	35	22-MAR-94	8270	330	U	330	F
Chloronaphthalene, 2-	SNL0093688	LWDS-05-BH14	35	23-MAR-94	8270	330	U	330	F
Chloronaphthalene, 2-	SNL0093589	LWDS-05-BH11	37.5	20-MAR-94	8270	330	U	330	F
Chloronaphthalene, 2-	SNL0093416	LWDS-05-BH12	37.5	21-MAR-94	8270	330	U	330	F
Chloronaphthalene, 2-	SNL0093326	LWDS-05-BH13	37.5	22-MAR-94	8270	330	U	330	F
Chloronaphthalene, 2-	SNL0093692	LWDS-05-BH14	37.5	23-MAR-94	8270	330	U	330	F
Chloronaphthalene, 2-	SNL0091265	LWDS-MW1	39	22-AUG-92	8270	330	U	330	F
Chloronaphthalene, 2-	SNL0093499	LWDS-05-BH11	40	20-MAR-94	8270	330	U	330	F
Chloronaphthalene, 2-	SNL0093424	LWDS-05-BH12	40	21-MAR-94	8270	330	U	330	F
Chloronaphthalene, 2-	SNL0093334	LWDS-05-BH13	40	22-MAR-94	8270	330	U	330	F
Chloronaphthalene, 2-	SNL0093625	LWDS-05-BH14	40	23-MAR-94	8270	330	U	330	F
Chloronaphthalene, 2-	SNL0093507	LWDS-05-BH11	42.5	20-MAR-94	8270	330	U	330	F
Chloronaphthalene, 2-	SNL0093515	LWDS-05-BH11	45	20-MAR-94	8270	330	U	330	F
Chloronaphthalene, 2-	SNL0093432	LWDS-05-BH12	45	21-MAR-94	8270	330	U	330	F
Chloronaphthalene, 2-	SNL0093342	LWDS-05-BH13	45	22-MAR-94	8270	330	U	330	F
Chloronaphthalene, 2-	SNL0093629	LWDS-05-BH14	45	23-MAR-94	8270	330	U	330	F
Chloronaphthalene, 2-	SNL0093523	LWDS-05-BH11	47.5	20-MAR-94	8270	330	U	330	F
Chloronaphthalene, 2-	SNL0093531	LWDS-05-BH11	50	20-MAR-94	8270	330	U	330	F
Chloronaphthalene, 2-	SNL0093440	LWDS-05-BH12	50	21-MAR-94	8270	330	U	330	F
Chloronaphthalene, 2-	SNL0093350	LWDS-05-BH13	50	22-MAR-94	8270	330	U	330	F
Chloronaphthalene, 2-	SNL0093358	LWDS-05-BH13	50	22-MAR-94	8270	330	U	330	F
Chloronaphthalene, 2-	SNL0093633	LWDS-05-BH14	50	23-MAR-94	8270	330	U	330	F
Chloronaphthalene, 2-	SNL0091269	LWDS-MW1	50	22-AUG-92	8270	330	U	330	D
Chloronaphthalene, 2-	SNL0091267	LWDS-MW1	50	22-AUG-92	8270	330	U	330	F
Chloronaphthalene, 2-	SNL0093539	LWDS-05-BH11	55	20-MAR-94	8270	330	U	330	F
Chloronaphthalene, 2-	SNL0093456	LWDS-05-BH12	55	21-MAR-94	8270	330	U	330	D
Chloronaphthalene, 2-	SNL0093448	LWDS-05-BH12	55	21-MAR-94	8270	330	U	330	F
Chloronaphthalene, 2-	SNL0093366	LWDS-05-BH13	55	22-MAR-94	8270	330	U	330	F
Chloronaphthalene, 2-	SNL0093637	LWDS-05-BH14	55	23-MAR-94	8270	330	U	330	F
Chloronaphthalene, 2-	SNL0093547	LWDS-05-BH11	60	20-MAR-94	8270	330	U	330	F
Chloronaphthalene, 2-	SNL0093645	LWDS-05-BH14	60	23-MAR-94	8270	330	U	330	D
Chloronaphthalene, 2-	SNL0093641	LWDS-05-BH14	60	23-MAR-94	8270	330	U	330	F
Chloronaphthalene, 2-	SNL0091271	LWDS-MW1	60	22-AUG-92	8270	330	U	330	F
Chloronaphthalene, 2-	SNL0093555	LWDS-05-BH11	65	20-MAR-94	8270	330	U	330	F
Chloronaphthalene, 2-	SNL0091278	LWDS-MW1	68	23-AUG-92	8270	330	U	330	F
Chloronaphthalene, 2-	SNL0093571	LWDS-05-BH11	70	20-MAR-94	8270	330	U	330	D
Chloronaphthalene, 2-	SNL0093563	LWDS-05-BH11	70	20-MAR-94	8270	330	U	330	F
Chloronaphthalene, 2-	SNL0091280	LWDS-MW1	80	23-AUG-92	8270	330	U	330	F
Chloronaphthalene, 2-	SNL0091284	LWDS-MW1	89	23-AUG-92	8270	330	U	330	D
Chloronaphthalene, 2-	SNL0091282	LWDS-MW1	89	23-AUG-92	8270	330	U	330	F
Chloronaphthalene, 2-	SNL0091286	LWDS-MW1	102	24-AUG-92	8270	330	U	330	F
Chloronaphthalene, 2-	SNL0091288	LWDS-MW1	110	24-AUG-92	8270	330	U	330	F
Chloronaphthalene, 2-	SNL0091290	LWDS-MW1	110	24-AUG-92	8270	330	U	330	F
Chloronaphthalene, 2-	SNL0091295	LWDS-MW1	120	25-AUG-92	8270	330	U	330	F
Chloronaphthalene, 2-	SNL0091297	LWDS-MW1	130	25-AUG-92	8270	330	U	330	F
Chloronaphthalene, 2-	SNL0091583	LWDS-MW1	143	02-SEP-92	8270	330	U	330	F
Chloronaphthalene, 2-	SNL0091585	LWDS-MW1	150	02-SEP-92	8270	330	U	330	F
Chloronaphthalene, 2-	SNL0092988	LWDS-MW1	176	06-APR-93	8270	330	U	330	F
Chloronaphthalene, 2-	SNL0092998	LWDS-MW1	202	08-APR-93	8270	330	U	330	F
Chloronaphthalene, 2-	SNL0093012	LWDS-MW1	226	13-APR-93	8270	330	U	330	F
Chloronaphthalene, 2-	SNL0093022	LWDS-MW1	250	14-APR-93	8270	330	U	330	F
Chloronaphthalene, 2-	SNL0093034	LWDS-MW1	274	15-APR-93	8270	330	U	330	F
Chloronaphthalene, 2-	SNL0093054	LWDS-MW1	315	17-APR-93	8270	330	U	330	F
Chloronaphthalene, 2-	SNL0093066	LWDS-MW1	346	19-APR-93	8270	330	U	330	F
Chloronaphthalene, 2-	SNL0093044	LWDS-MW1	345	19-APR-93	8270	330	U	330	D
Chloronaphthalene, 2-	SNL0093078	LWDS-MW1	390	21-APR-93	8270	330	U	330	F
Chloronaphthalene, 2-	SNL0093101	LWDS-MW1	444	27-APR-93	8270	330	U	330	F
Chlorophenol, 2-	SNL0093720	LWDS-05-BH13	0	29-MAR-94	8270	330	U	330	F
Chlorophenol, 2-	SNL0093123	LWDS-MW1	0	30-APR-93	8270	330	U	330	F
Chlorophenol, 2-	SNL0093091	LWDS-MW1	0	21-APR-93	8270	330	U	330	F
Chlorophenol, 2-	SNL0091259	LWDS-MW1	12	22-AUG-92	8270	330	U	330	F

Table A-5: Organics analyses of soil samples from ER Site 5.

Analyte	Sample Number	Sample Location	Sample Depth (Ft)	Sample Date	Analytical Method	Amount Detected (ug/kg)	Qualifier	Method Detection Limit	Sample Type
Chlorophenol, 2-	SNL0091261	LWDS-MW1	21	22-AUG-92	8270	330	U	330	F
Chlorophenol, 2-	SNL0093474	LWDS-05-BH11	25	20-MAR-94	8270	330	U	330	F
Chlorophenol, 2-	SNL0093384	LWDS-05-BH12	25	21-MAR-94	8270	330	U	330	F
Chlorophenol, 2-	SNL0093294	LWDS-05-BH13	25	22-MAR-94	8270	330	U	330	F
Chlorophenol, 2-	SNL0093676	LWDS-05-BH14	25	23-MAR-94	8270	330	U	330	F
Chlorophenol, 2-	SNL0093482	LWDS-05-BH11	30	20-MAR-94	8270	330	U	330	F
Chlorophenol, 2-	SNL0093392	LWDS-05-BH12	30	21-MAR-94	8270	330	U	330	F
Chlorophenol, 2-	SNL0093302	LWDS-05-BH13	30	22-MAR-94	8270	330	U	330	F
Chlorophenol, 2-	SNL0093680	LWDS-05-BH14	30	23-MAR-94	8270	330	U	330	F
Chlorophenol, 2-	SNL0091263	LWDS-MW1	30	22-AUG-92	8270	330	U	330	F
Chlorophenol, 2-	SNL0093400	LWDS-05-BH12	32.5	21-MAR-94	8270	330	U	330	F
Chlorophenol, 2-	SNL0093310	LWDS-05-BH13	32.5	22-MAR-94	8270	330	U	330	F
Chlorophenol, 2-	SNL0093684	LWDS-05-BH14	32.5	23-MAR-94	8270	330	U	330	F
Chlorophenol, 2-	SNL0093491	LWDS-05-BH11	35	20-MAR-94	8270	330	U	330	F
Chlorophenol, 2-	SNL0093408	LWDS-05-BH12	35	21-MAR-94	8270	330	U	330	F
Chlorophenol, 2-	SNL0093318	LWDS-05-BH13	35	22-MAR-94	8270	330	U	330	F
Chlorophenol, 2-	SNL0093688	LWDS-05-BH14	35	23-MAR-94	8270	330	U	330	F
Chlorophenol, 2-	SNL0093589	LWDS-05-BH11	37.5	20-MAR-94	8270	330	U	330	F
Chlorophenol, 2-	SNL0093416	LWDS-05-BH12	37.5	21-MAR-94	8270	330	U	330	F
Chlorophenol, 2-	SNL0093326	LWDS-05-BH13	37.5	22-MAR-94	8270	330	U	330	F
Chlorophenol, 2-	SNL0093692	LWDS-05-BH14	37.5	23-MAR-94	8270	330	U	330	F
Chlorophenol, 2-	SNL0091265	LWDS-MW1	39	22-AUG-92	8270	330	U	330	F
Chlorophenol, 2-	SNL0093499	LWDS-05-BH11	40	20-MAR-94	8270	330	U	330	F
Chlorophenol, 2-	SNL0093424	LWDS-05-BH12	40	21-MAR-94	8270	330	U	330	F
Chlorophenol, 2-	SNL0093334	LWDS-05-BH13	40	22-MAR-94	8270	330	U	330	F
Chlorophenol, 2-	SNL0093625	LWDS-05-BH14	40	23-MAR-94	8270	330	U	330	F
Chlorophenol, 2-	SNL0093507	LWDS-05-BH11	42.5	20-MAR-94	8270	330	U	330	F
Chlorophenol, 2-	SNL0093515	LWDS-05-BH11	45	20-MAR-94	8270	330	U	330	F
Chlorophenol, 2-	SNL0093432	LWDS-05-BH12	45	21-MAR-94	8270	330	U	330	F
Chlorophenol, 2-	SNL0093342	LWDS-05-BH13	45	22-MAR-94	8270	330	U	330	F
Chlorophenol, 2-	SNL0093629	LWDS-05-BH14	45	23-MAR-94	8270	330	U	330	F
Chlorophenol, 2-	SNL0093523	LWDS-05-BH11	47.5	20-MAR-94	8270	330	U	330	F
Chlorophenol, 2-	SNL0093531	LWDS-05-BH11	50	20-MAR-94	8270	330	U	330	F
Chlorophenol, 2-	SNL0093440	LWDS-05-BH12	50	21-MAR-94	8270	330	U	330	F
Chlorophenol, 2-	SNL0093350	LWDS-05-BH13	50	22-MAR-94	8270	330	U	330	F
Chlorophenol, 2-	SNL0093358	LWDS-05-BH13	50	22-MAR-94	8270	330	U	330	F
Chlorophenol, 2-	SNL0093633	LWDS-05-BH14	50	23-MAR-94	8270	330	U	330	F
Chlorophenol, 2-	SNL0091269	LWDS-MW1	50	22-AUG-92	8270	330	U	330	D
Chlorophenol, 2-	SNL0091267	LWDS-MW1	50	22-AUG-92	8270	330	U	330	F
Chlorophenol, 2-	SNL0093539	LWDS-05-BH11	55	20-MAR-94	8270	330	U	330	F
Chlorophenol, 2-	SNL0093456	LWDS-05-BH12	55	21-MAR-94	8270	330	U	330	D
Chlorophenol, 2-	SNL0093448	LWDS-05-BH12	55	21-MAR-94	8270	330	U	330	F
Chlorophenol, 2-	SNL0093366	LWDS-05-BH13	55	22-MAR-94	8270	330	U	330	F
Chlorophenol, 2-	SNL0093637	LWDS-05-BH14	55	23-MAR-94	8270	330	U	330	F
Chlorophenol, 2-	SNL0093547	LWDS-05-BH11	60	20-MAR-94	8270	330	U	330	F
Chlorophenol, 2-	SNL0093645	LWDS-05-BH14	60	23-MAR-94	8270	330	U	330	D
Chlorophenol, 2-	SNL0093641	LWDS-05-BH14	60	23-MAR-94	8270	330	U	330	F
Chlorophenol, 2-	SNL0091271	LWDS-MW1	60	22-AUG-92	8270	330	U	330	F
Chlorophenol, 2-	SNL0093555	LWDS-05-BH11	65	20-MAR-94	8270	330	U	330	F
Chlorophenol, 2-	SNL0091278	LWDS-MW1	68	23-AUG-92	8270	330	U	330	F
Chlorophenol, 2-	SNL0093571	LWDS-05-BH11	70	20-MAR-94	8270	330	U	330	D
Chlorophenol, 2-	SNL0093563	LWDS-05-BH11	70	20-MAR-94	8270	330	U	330	F
Chlorophenol, 2-	SNL0091280	LWDS-MW1	80	23-AUG-92	8270	330	U	330	F
Chlorophenol, 2-	SNL0091284	LWDS-MW1	89	23-AUG-92	8270	330	U	330	D
Chlorophenol, 2-	SNL0091282	LWDS-MW1	89	23-AUG-92	8270	330	U	330	F
Chlorophenol, 2-	SNL0091286	LWDS-MW1	102	24-AUG-92	8270	330	U	330	F
Chlorophenol, 2-	SNL0091290	LWDS-MW1	110	24-AUG-92	8270	330	U	330	F
Chlorophenol, 2-	SNL0091288	LWDS-MW1	110	24-AUG-92	8270	330	U	330	F
Chlorophenol, 2-	SNL0091295	LWDS-MW1	120	25-AUG-92	8270	330	U	330	F
Chlorophenol, 2-	SNL0091297	LWDS-MW1	130	25-AUG-92	8270	330	U	330	F
Chlorophenol, 2-	SNL0091583	LWDS-MW1	143	02-SEP-92	8270	330	U	330	F
Chlorophenol, 2-	SNL0091585	LWDS-MW1	150	02-SEP-92	8270	330	U	330	F
Chlorophenol, 2-	SNL0092988	LWDS-MW1	176	06-APR-93	8270	330	U	330	F
Chlorophenol, 2-	SNL0092998	LWDS-MW1	202	08-APR-93	8270	330	U	330	F
Chlorophenol, 2-	SNL0093012	LWDS-MW1	226	13-APR-93	8270	330	U	330	F
Chlorophenol, 2-	SNL0093022	LWDS-MW1	250	14-APR-93	8270	330	U	330	F
Chlorophenol, 2-	SNL0093034	LWDS-MW1	274	15-APR-93	8270	330	U	330	F

Table A-5: Organics analyses of soil samples from ER Site 5.

Analyte	Sample Number	Sample Location	Sample Depth (Ft)	Sample Date	Analytical Method	Amount Detected (ug/kg)	Qualifier	Method Detection Limit	Sample Type
Chlorophenol, 2-	SNL0093054	LWDS-MW1	315	17-APR-93	8270	330	U	330	F
Chlorophenol, 2-	SNL0093066	LWDS-MW1	346	19-APR-93	8270	330	U	330	F
Chlorophenol, 2-	SNL0093044	LWDS-MW1	346	19-APR-93	8270	330	U	330	D
Chlorophenol, 2-	SNL0093078	LWDS-MW1	390	21-APR-93	8270	330	U	330	F
Chlorophenol, 2-	SNL0093101	LWDS-MW1	444	27-APR-93	8270	330	U	330	F
Chlorophenyl phenyl ether, 4	SNL0093720	LWDS-05-BH13	0	29-MAR-94	8270	330	U	330	F
Chlorophenyl phenyl ether, 4	SNL0093123	LWDS-MW1	0	30-APR-93	8270	330	U	330	F
Chlorophenyl phenyl ether, 4	SNL0093091	LWDS-MW1	0	21-APR-93	8270	330	U	330	F
Chlorophenyl phenyl ether, 4	SNL0091259	LWDS-MW1	12	22-AUG-92	8270	330	U	330	F
Chlorophenyl phenyl ether, 4	SNL0091261	LWDS-MW1	21	22-AUG-92	8270	330	U	330	F
Chlorophenyl phenyl ether, 4	SNL0093474	LWDS-05-BH11	25	20-MAR-94	8270	330	U	330	F
Chlorophenyl phenyl ether, 4	SNL0093384	LWDS-05-BH12	25	21-MAR-94	8270	330	U	330	F
Chlorophenyl phenyl ether, 4	SNL0093294	LWDS-05-BH13	25	22-MAR-94	8270	330	U	330	F
Chlorophenyl phenyl ether, 4	SNL0093676	LWDS-05-BH14	25	23-MAR-94	8270	330	U	330	F
Chlorophenyl phenyl ether, 4	SNL0093482	LWDS-05-BH11	30	20-MAR-94	8270	330	U	330	F
Chlorophenyl phenyl ether, 4	SNL0093392	LWDS-05-BH12	30	21-MAR-94	8270	330	U	330	F
Chlorophenyl phenyl ether, 4	SNL0093302	LWDS-05-BH13	30	22-MAR-94	8270	330	U	330	F
Chlorophenyl phenyl ether, 4	SNL0093680	LWDS-05-BH14	30	23-MAR-94	8270	330	U	330	F
Chlorophenyl phenyl ether, 4	SNL0091263	LWDS-MW1	30	22-AUG-92	8270	330	U	330	F
Chlorophenyl phenyl ether, 4	SNL0093400	LWDS-05-BH12	32.5	21-MAR-94	8270	330	U	330	F
Chlorophenyl phenyl ether, 4	SNL0093310	LWDS-05-BH13	32.5	22-MAR-94	8270	330	U	330	F
Chlorophenyl phenyl ether, 4	SNL0093684	LWDS-05-BH14	32.5	23-MAR-94	8270	330	U	330	F
Chlorophenyl phenyl ether, 4	SNL0093491	LWDS-05-BH11	35	20-MAR-94	8270	330	U	330	F
Chlorophenyl phenyl ether, 4	SNL0093408	LWDS-05-BH12	35	21-MAR-94	8270	330	U	330	F
Chlorophenyl phenyl ether, 4	SNL0093318	LWDS-05-BH13	35	22-MAR-94	8270	330	U	330	F
Chlorophenyl phenyl ether, 4	SNL0093688	LWDS-05-BH14	35	23-MAR-94	8270	330	U	330	F
Chlorophenyl phenyl ether, 4	SNL0093589	LWDS-05-BH11	37.5	20-MAR-94	8270	330	U	330	F
Chlorophenyl phenyl ether, 4	SNL0093416	LWDS-05-BH12	37.5	21-MAR-94	8270	330	U	330	F
Chlorophenyl phenyl ether, 4	SNL0093326	LWDS-05-BH13	37.5	22-MAR-94	8270	330	U	330	F
Chlorophenyl phenyl ether, 4	SNL0093692	LWDS-05-BH14	37.5	23-MAR-94	8270	330	U	330	F
Chlorophenyl phenyl ether, 4	SNL0091265	LWDS-MW1	39	22-AUG-92	8270	330	U	330	F
Chlorophenyl phenyl ether, 4	SNL0093499	LWDS-05-BH11	40	20-MAR-94	8270	330	U	330	F
Chlorophenyl phenyl ether, 4	SNL0093424	LWDS-05-BH12	40	21-MAR-94	8270	330	U	330	F
Chlorophenyl phenyl ether, 4	SNL0093334	LWDS-05-BH13	40	22-MAR-94	8270	330	U	330	F
Chlorophenyl phenyl ether, 4	SNL0093625	LWDS-05-BH14	40	23-MAR-94	8270	330	U	330	F
Chlorophenyl phenyl ether, 4	SNL0093507	LWDS-05-BH11	42.5	20-MAR-94	8270	330	U	330	F
Chlorophenyl phenyl ether, 4	SNL0093515	LWDS-05-BH11	45	20-MAR-94	8270	330	U	330	F
Chlorophenyl phenyl ether, 4	SNL0093432	LWDS-05-BH12	45	21-MAR-94	8270	330	U	330	F
Chlorophenyl phenyl ether, 4	SNL0093342	LWDS-05-BH13	45	22-MAR-94	8270	330	U	330	F
Chlorophenyl phenyl ether, 4	SNL0093629	LWDS-05-BH14	45	23-MAR-94	8270	330	U	330	F
Chlorophenyl phenyl ether, 4	SNL0093523	LWDS-05-BH11	47.5	20-MAR-94	8270	330	U	330	F
Chlorophenyl phenyl ether, 4	SNL0093531	LWDS-05-BH11	50	20-MAR-94	8270	330	U	330	F
Chlorophenyl phenyl ether, 4	SNL0093440	LWDS-05-BH12	50	21-MAR-94	8270	330	U	330	F
Chlorophenyl phenyl ether, 4	SNL0093350	LWDS-05-BH13	50	22-MAR-94	8270	330	U	330	F
Chlorophenyl phenyl ether, 4	SNL0093358	LWDS-05-BH13	50	22-MAR-94	8270	330	U	330	F
Chlorophenyl phenyl ether, 4	SNL0093633	LWDS-05-BH14	50	23-MAR-94	8270	330	U	330	F
Chlorophenyl phenyl ether, 4	SNL0091269	LWDS-MW1	50	22-AUG-92	8270	330	U	330	D
Chlorophenyl phenyl ether, 4	SNL0091267	LWDS-MW1	50	22-AUG-92	8270	330	U	330	F
Chlorophenyl phenyl ether, 4	SNL0093539	LWDS-05-BH11	55	20-MAR-94	8270	330	U	330	F
Chlorophenyl phenyl ether, 4	SNL0093456	LWDS-05-BH12	55	21-MAR-94	8270	330	U	330	D
Chlorophenyl phenyl ether, 4	SNL0093448	LWDS-05-BH12	55	21-MAR-94	8270	330	U	330	F
Chlorophenyl phenyl ether, 4	SNL0093366	LWDS-05-BH13	55	22-MAR-94	8270	330	U	330	F
Chlorophenyl phenyl ether, 4	SNL0093637	LWDS-05-BH14	55	23-MAR-94	8270	330	U	330	F
Chlorophenyl phenyl ether, 4	SNL0093547	LWDS-05-BH11	60	20-MAR-94	8270	330	U	330	F
Chlorophenyl phenyl ether, 4	SNL0093645	LWDS-05-BH14	60	23-MAR-94	8270	330	U	330	D
Chlorophenyl phenyl ether, 4	SNL0093641	LWDS-05-BH14	60	23-MAR-94	8270	330	U	330	F
Chlorophenyl phenyl ether, 4	SNL0091271	LWDS-MW1	60	22-AUG-92	8270	330	U	330	F
Chlorophenyl phenyl ether, 4	SNL0093555	LWDS-05-BH11	65	20-MAR-94	8270	330	U	330	F
Chlorophenyl phenyl ether, 4	SNL0091278	LWDS-MW1	68	23-AUG-92	8270	330	U	330	F
Chlorophenyl phenyl ether, 4	SNL0093571	LWDS-05-BH11	70	20-MAR-94	8270	330	U	330	D
Chlorophenyl phenyl ether, 4	SNL0093563	LWDS-05-BH11	70	20-MAR-94	8270	330	U	330	F
Chlorophenyl phenyl ether, 4	SNL0091280	LWDS-MW1	80	23-AUG-92	8270	330	U	330	F
Chlorophenyl phenyl ether, 4	SNL0091284	LWDS-MW1	89	23-AUG-92	8270	330	U	330	D
Chlorophenyl phenyl ether, 4	SNL0091282	LWDS-MW1	89	23-AUG-92	8270	330	U	330	F
Chlorophenyl phenyl ether, 4	SNL0091286	LWDS-MW1	102	24-AUG-92	8270	330	U	330	F
Chlorophenyl phenyl ether, 4	SNL0091290	LWDS-MW1	110	24-AUG-92	8270	330	U	330	F
Chlorophenyl phenyl ether, 4	SNL0091288	LWDS-MW1	110	24-AUG-92	8270	330	U	330	F

Table A-5: Organics analyses of soil samples from ER Site 5.

Analyte	Sample Number	Sample Location	Sample Depth (Ft)	Sample Date	Analytical Method	Amount Detected (ug/kg)	Qualifier	Method Detection Limit	Sample Type
Chlorophenyl phenyl ether, 4	SNL0091295	LWDS-MW1	120	25-AUG-92	8270	330	U	330	F
Chlorophenyl phenyl ether, 4	SNL0091297	LWDS-MW1	130	25-AUG-92	8270	330	U	330	F
Chlorophenyl phenyl ether, 4	SNL0091583	LWDS-MW1	143	02-SEP-92	8270	330	U	330	F
Chlorophenyl phenyl ether, 4	SNL0091585	LWDS-MW1	150	02-SEP-92	8270	330	U	330	F
Chlorophenyl phenyl ether, 4	SNL0092988	LWDS-MW1	176	06-APR-93	8270	330	U	330	F
Chlorophenyl phenyl ether, 4	SNL0092998	LWDS-MW1	202	08-APR-93	8270	330	U	330	F
Chlorophenyl phenyl ether, 4	SNL0093012	LWDS-MW1	226	13-APR-93	8270	330	U	330	F
Chlorophenyl phenyl ether, 4	SNL0093022	LWDS-MW1	250	14-APR-93	8270	330	U	330	F
Chlorophenyl phenyl ether, 4	SNL0093034	LWDS-MW1	274	15-APR-93	8270	330	U	330	F
Chlorophenyl phenyl ether, 4	SNL0093054	LWDS-MW1	315	17-APR-93	8270	330	U	330	F
Chlorophenyl phenyl ether, 4	SNL0093066	LWDS-MW1	346	19-APR-93	8270	330	U	330	F
Chlorophenyl phenyl ether, 4	SNL0093044	LWDS-MW1	346	19-APR-93	8270	330	U	330	D
Chlorophenyl phenyl ether, 4	SNL0093078	LWDS-MW1	390	21-APR-93	8270	330	U	330	F
Chlorophenyl phenyl ether, 4	SNL0093101	LWDS-MW1	444	27-APR-93	8270	330	U	330	F
hloropropane), 2,2'-oxybis(	SNL0093720	LWDS-05-BH13	0	29-MAR-94	8270	330	U	330	F
hloropropane), 2,2'-oxybis(	SNL0093123	LWDS-MW1	0	30-APR-93	8270	330	U	330	F
hloropropane), 2,2'-oxybis(	SNL0093091	LWDS-MW1	0	21-APR-93	8270	330	U	330	F
hloropropane), 2,2'-oxybis(	SNL0091259	LWDS-MW1	12	22-AUG-92	8270	330	U	330	F
hloropropane), 2,2'-oxybis(	SNL0091261	LWDS-MW1	21	22-AUG-92	8270	330	U	330	F
hloropropane), 2,2'-oxybis(	SNL0093474	LWDS-05-BH11	25	20-MAR-94	8270	330	U	330	F
hloropropane), 2,2'-oxybis(	SNL0093384	LWDS-05-BH12	25	21-MAR-94	8270	330	U	330	F
hloropropane), 2,2'-oxybis(	SNL0093294	LWDS-05-BH13	25	22-MAR-94	8270	330	U	330	F
hloropropane), 2,2'-oxybis(	SNL0093676	LWDS-05-BH14	25	23-MAR-94	8270	330	U	330	F
hloropropane), 2,2'-oxybis(	SNL0093482	LWDS-05-BH11	30	20-MAR-94	8270	330	U	330	F
hloropropane), 2,2'-oxybis(	SNL0093392	LWDS-05-BH12	30	21-MAR-94	8270	330	U	330	F
hloropropane), 2,2'-oxybis(	SNL0093302	LWDS-05-BH13	30	22-MAR-94	8270	330	U	330	F
hloropropane), 2,2'-oxybis(	SNL0093680	LWDS-05-BH14	30	23-MAR-94	8270	330	U	330	F
hloropropane), 2,2'-oxybis(	SNL0091263	LWDS-MW1	30	22-AUG-92	8270	330	U	330	F
hloropropane), 2,2'-oxybis(	SNL0093400	LWDS-05-BH12	32.5	21-MAR-94	8270	330	U	330	F
hloropropane), 2,2'-oxybis(	SNL0093310	LWDS-05-BH13	32.5	22-MAR-94	8270	330	U	330	F
hloropropane), 2,2'-oxybis(	SNL0093684	LWDS-05-BH14	32.5	23-MAR-94	8270	330	U	330	F
hloropropane), 2,2'-oxybis(	SNL0093491	LWDS-05-BH11	35	20-MAR-94	8270	330	U	330	F
hloropropane), 2,2'-oxybis(	SNL0093408	LWDS-05-BH12	35	21-MAR-94	8270	330	U	330	F
hloropropane), 2,2'-oxybis(	SNL0093318	LWDS-05-BH13	35	22-MAR-94	8270	330	U	330	F
hloropropane), 2,2'-oxybis(	SNL0093688	LWDS-05-BH14	35	23-MAR-94	8270	330	U	330	F
hloropropane), 2,2'-oxybis(	SNL0093589	LWDS-05-BH11	37.5	20-MAR-94	8270	330	U	330	F
hloropropane), 2,2'-oxybis(	SNL0093416	LWDS-05-BH12	37.5	21-MAR-94	8270	330	U	330	F
hloropropane), 2,2'-oxybis(	SNL0093326	LWDS-05-BH13	37.5	22-MAR-94	8270	330	U	330	F
hloropropane), 2,2'-oxybis(	SNL0093692	LWDS-05-BH14	37.5	23-MAR-94	8270	330	U	330	F
hloropropane), 2,2'-oxybis(	SNL0091265	LWDS-MW1	39	22-AUG-92	8270	330	U	330	F
hloropropane), 2,2'-oxybis(	SNL0093499	LWDS-05-BH11	40	20-MAR-94	8270	330	U	330	F
hloropropane), 2,2'-oxybis(	SNL0093424	LWDS-05-BH12	40	21-MAR-94	8270	330	U	330	F
hloropropane), 2,2'-oxybis(	SNL0093334	LWDS-05-BH13	40	22-MAR-94	8270	330	U	330	F
hloropropane), 2,2'-oxybis(	SNL0093625	LWDS-05-BH14	40	23-MAR-94	8270	330	U	330	F
hloropropane), 2,2'-oxybis(	SNL0093507	LWDS-05-BH11	42.5	20-MAR-94	8270	330	U	330	F
hloropropane), 2,2'-oxybis(	SNL0093515	LWDS-05-BH11	45	20-MAR-94	8270	330	U	330	F
hloropropane), 2,2'-oxybis(	SNL0093432	LWDS-05-BH12	45	21-MAR-94	8270	330	U	330	F
hloropropane), 2,2'-oxybis(	SNL0093342	LWDS-05-BH13	45	22-MAR-94	8270	330	U	330	F
hloropropane), 2,2'-oxybis(	SNL0093629	LWDS-05-BH14	45	23-MAR-94	8270	330	U	330	F
hloropropane), 2,2'-oxybis(	SNL0093523	LWDS-05-BH11	47.5	20-MAR-94	8270	330	U	330	F
hloropropane), 2,2'-oxybis(	SNL0093531	LWDS-05-BH11	50	20-MAR-94	8270	330	U	330	F
hloropropane), 2,2'-oxybis(	SNL0093440	LWDS-05-BH12	50	21-MAR-94	8270	330	U	330	F
hloropropane), 2,2'-oxybis(	SNL0093358	LWDS-05-BH13	50	22-MAR-94	8270	330	U	330	F
hloropropane), 2,2'-oxybis(	SNL0093350	LWDS-05-BH13	50	22-MAR-94	8270	330	U	330	F
hloropropane), 2,2'-oxybis(	SNL0093633	LWDS-05-BH14	50	23-MAR-94	8270	330	U	330	F
hloropropane), 2,2'-oxybis(	SNL0091267	LWDS-MW1	50	22-AUG-92	8270	330	U	330	F
hloropropane), 2,2'-oxybis(	SNL0091269	LWDS-MW1	50	22-AUG-92	8270	330	U	330	D
hloropropane), 2,2'-oxybis(	SNL0093539	LWDS-05-BH11	55	20-MAR-94	8270	330	U	330	F
hloropropane), 2,2'-oxybis(	SNL0093448	LWDS-05-BH12	55	21-MAR-94	8270	330	U	330	F
hloropropane), 2,2'-oxybis(	SNL0093456	LWDS-05-BH12	55	21-MAR-94	8270	330	U	330	D
hloropropane), 2,2'-oxybis(	SNL0093366	LWDS-05-BH13	55	22-MAR-94	8270	330	U	330	F
hloropropane), 2,2'-oxybis(	SNL0093637	LWDS-05-BH14	55	23-MAR-94	8270	330	U	330	F
hloropropane), 2,2'-oxybis(	SNL0093547	LWDS-05-BH11	60	20-MAR-94	8270	330	U	330	F
hloropropane), 2,2'-oxybis(	SNL0093641	LWDS-05-BH14	60	23-MAR-94	8270	330	U	330	F
hloropropane), 2,2'-oxybis(	SNL0093645	LWDS-05-BH14	60	23-MAR-94	8270	330	U	330	D
hloropropane), 2,2'-oxybis(	SNL0091271	LWDS-MW1	60	22-AUG-92	8270	330	U	330	F
hloropropane), 2,2'-oxybis(	SNL0093555	LWDS-05-BH11	65	20-MAR-94	8270	330	U	330	F

Table A-5: Organics analyses of soil samples from ER Site 5.

Analyte	Sample Number	Sample Location	Sample Depth (Ft)	Sample Date	Analytical Method	Amount Detected (ug/kg)	Qualifier	Method Detection Limit	Sample Type
hloropropane), 2,2'-oxybis(	SNL0091278	LWDS-MW1	68	23-AUG-92	8270	330	U	330	F
hloropropane), 2,2'-oxybis(	SNL0093571	LWDS-05-BH11	70	20-MAR-94	8270	330	U	330	D
hloropropane), 2,2'-oxybis(	SNL0093563	LWDS-05-BH11	70	20-MAR-94	8270	330	U	330	F
hloropropane), 2,2'-oxybis(	SNL0091280	LWDS-MW1	80	23-AUG-92	8270	330	U	330	F
hloropropane), 2,2'-oxybis(	SNL0091284	LWDS-MW1	89	23-AUG-92	8270	330	U	330	D
hloropropane), 2,2'-oxybis(	SNL0091282	LWDS-MW1	89	23-AUG-92	8270	330	U	330	F
hloropropane), 2,2'-oxybis(	SNL0091286	LWDS-MW1	102	24-AUG-92	8270	330	U	330	F
hloropropane), 2,2'-oxybis(	SNL0091290	LWDS-MW1	110	24-AUG-92	8270	330	U	330	F
hloropropane), 2,2'-oxybis(	SNL0091288	LWDS-MW1	110	24-AUG-92	8270	330	U	330	F
hloropropane), 2,2'-oxybis(	SNL0091295	LWDS-MW1	120	25-AUG-92	8270	330	U	330	F
hloropropane), 2,2'-oxybis(	SNL0091297	LWDS-MW1	130	25-AUG-92	8270	330	U	330	F
hloropropane), 2,2'-oxybis(	SNL0091583	LWDS-MW1	143	02-SEP-92	8270	330	U	330	F
hloropropane), 2,2'-oxybis(	SNL0091585	LWDS-MW1	150	02-SEP-92	8270	330	U	330	F
hloropropane), 2,2'-oxybis(	SNL0092988	LWDS-MW1	176	06-APR-93	8270	330	U	330	F
hloropropane), 2,2'-oxybis(	SNL0092998	LWDS-MW1	202	08-APR-93	8270	330	U	330	F
hloropropane), 2,2'-oxybis(	SNL0093012	LWDS-MW1	226	13-APR-93	8270	330	U	330	F
hloropropane), 2,2'-oxybis(	SNL0093022	LWDS-MW1	250	14-APR-93	8270	330	U	330	F
hloropropane), 2,2'-oxybis(	SNL0093034	LWDS-MW1	274	15-APR-93	8270	330	U	330	F
hloropropane), 2,2'-oxybis(	SNL0093054	LWDS-MW1	315	17-APR-93	8270	330	U	330	F
hloropropane), 2,2'-oxybis(	SNL0093066	LWDS-MW1	346	19-APR-93	8270	330	U	330	F
hloropropane), 2,2'-oxybis(	SNL0093044	LWDS-MW1	346	19-APR-93	8270	330	U	330	D
hloropropane), 2,2'-oxybis(	SNL0093078	LWDS-MW1	390	21-APR-93	8270	330	U	330	F
hloropropane), 2,2'-oxybis(	SNL0093101	LWDS-MW1	444	27-APR-93	8270	330	U	330	F
Chrysene	SNL0093720	LWDS-05-BH13	0	29-MAR-94	8270	330	U	330	F
Chrysene	SNL0093123	LWDS-MW1	0	30-APR-93	8270	330	U	330	F
Chrysene	SNL0093091	LWDS-MW1	0	21-APR-93	8270	330	U	330	F
Chrysene	SNL0091259	LWDS-MW1	12	22-AUG-92	8270	330	U	330	F
Chrysene	SNL0091261	LWDS-MW1	21	22-AUG-92	8270	330	U	330	F
Chrysene	SNL0093474	LWDS-05-BH11	25	20-MAR-94	8270	330	U	330	F
Chrysene	SNL0093384	LWDS-05-BH12	25	21-MAR-94	8270	330	U	330	F
Chrysene	SNL0093294	LWDS-05-BH13	25	22-MAR-94	8270	330	U	330	F
Chrysene	SNL0093676	LWDS-05-BH14	25	23-MAR-94	8270	330	U	330	F
Chrysene	SNL0093482	LWDS-05-BH11	30	20-MAR-94	8270	330	U	330	F
Chrysene	SNL0093392	LWDS-05-BH12	30	21-MAR-94	8270	330	U	330	F
Chrysene	SNL0093302	LWDS-05-BH13	30	22-MAR-94	8270	330	U	330	F
Chrysene	SNL0093680	LWDS-05-BH14	30	23-MAR-94	8270	330	U	330	F
Chrysene	SNL0091263	LWDS-MW1	30	22-AUG-92	8270	330	U	330	F
Chrysene	SNL0093400	LWDS-05-BH12	32.5	21-MAR-94	8270	330	U	330	F
Chrysene	SNL0093310	LWDS-05-BH13	32.5	22-MAR-94	8270	330	U	330	F
Chrysene	SNL0093684	LWDS-05-BH14	32.5	23-MAR-94	8270	330	U	330	F
Chrysene	SNL0093491	LWDS-05-BH11	35	20-MAR-94	8270	330	U	330	F
Chrysene	SNL0093408	LWDS-05-BH12	35	21-MAR-94	8270	330	U	330	F
Chrysene	SNL0093318	LWDS-05-BH13	35	22-MAR-94	8270	330	U	330	F
Chrysene	SNL0093688	LWDS-05-BH14	35	23-MAR-94	8270	330	U	330	F
Chrysene	SNL0093589	LWDS-05-BH11	37.5	20-MAR-94	8270	330	U	330	F
Chrysene	SNL0093416	LWDS-05-BH12	37.5	21-MAR-94	8270	330	U	330	F
Chrysene	SNL0093326	LWDS-05-BH13	37.5	22-MAR-94	8270	330	U	330	F
Chrysene	SNL0093692	LWDS-05-BH14	37.5	23-MAR-94	8270	330	U	330	F
Chrysene	SNL0091265	LWDS-MW1	39	22-AUG-92	8270	330	U	330	F
Chrysene	SNL0093499	LWDS-05-BH11	40	20-MAR-94	8270	330	U	330	F
Chrysene	SNL0093424	LWDS-05-BH12	40	21-MAR-94	8270	330	U	330	F
Chrysene	SNL0093334	LWDS-05-BH13	40	22-MAR-94	8270	330	U	330	F
Chrysene	SNL0093625	LWDS-05-BH14	40	23-MAR-94	8270	330	U	330	F
Chrysene	SNL0093507	LWDS-05-BH11	42.5	20-MAR-94	8270	330	U	330	F
Chrysene	SNL0093515	LWDS-05-BH11	45	20-MAR-94	8270	330	U	330	F
Chrysene	SNL0093432	LWDS-05-BH12	45	21-MAR-94	8270	330	U	330	F
Chrysene	SNL0093342	LWDS-05-BH13	45	22-MAR-94	8270	330	U	330	F
Chrysene	SNL0093629	LWDS-05-BH14	45	23-MAR-94	8270	330	U	330	F
Chrysene	SNL0093523	LWDS-05-BH11	47.5	20-MAR-94	8270	330	U	330	F
Chrysene	SNL0093531	LWDS-05-BH11	50	20-MAR-94	8270	330	U	330	F
Chrysene	SNL0093440	LWDS-05-BH12	50	21-MAR-94	8270	330	U	330	F
Chrysene	SNL0093350	LWDS-05-BH13	50	22-MAR-94	8270	330	U	330	F
Chrysene	SNL0093358	LWDS-05-BH13	50	22-MAR-94	8270	330	U	330	F
Chrysene	SNL0093633	LWDS-05-BH14	50	23-MAR-94	8270	330	U	330	F
Chrysene	SNL0091269	LWDS-MW1	50	22-AUG-92	8270	330	U	330	D
Chrysene	SNL0091267	LWDS-MW1	50	22-AUG-92	8270	330	U	330	F
Chrysene	SNL0093539	LWDS-05-BH11	55	20-MAR-94	8270	330	U	330	F

Table A-5: Organics analyses of soil samples from ER Site 5.

Analyte	Sample Number	Sample Location	Sample Depth (Ft)	Sample Date	Analytical Method	Amount Detected (ug/kg)	Qualifier	Method Detection Limit	Sample Type
Chrysene	SNL0093456	LWDS-05-BH12	55	21-MAR-94	8270	330	U	330	D
Chrysene	SNL0093448	LWDS-05-BH12	55	21-MAR-94	8270	330	U	330	F
Chrysene	SNL0093366	LWDS-05-BH13	55	22-MAR-94	8270	330	U	330	F
Chrysene	SNL0093637	LWDS-05-BH14	55	23-MAR-94	8270	330	U	330	F
Chrysene	SNL0093547	LWDS-05-BH11	60	20-MAR-94	8270	330	U	330	F
Chrysene	SNL0093645	LWDS-05-BH14	60	23-MAR-94	8270	330	U	330	D
Chrysene	SNL0093641	LWDS-05-BH14	60	23-MAR-94	8270	330	U	330	F
Chrysene	SNL0091271	LWDS-MW1	60	22-AUG-92	8270	330	U	330	F
Chrysene	SNL0093555	LWDS-05-BH11	65	20-MAR-94	8270	330	U	330	F
Chrysene	SNL0091278	LWDS-MW1	68	23-AUG-92	8270	330	U	330	F
Chrysene	SNL0093571	LWDS-05-BH11	70	20-MAR-94	8270	330	U	330	D
Chrysene	SNL0093563	LWDS-05-BH11	70	20-MAR-94	8270	330	U	330	F
Chrysene	SNL0091280	LWDS-MW1	80	23-AUG-92	8270	330	U	330	F
Chrysene	SNL0091284	LWDS-MW1	89	23-AUG-92	8270	330	U	330	D
Chrysene	SNL0091282	LWDS-MW1	89	23-AUG-92	8270	330	U	330	F
Chrysene	SNL0091286	LWDS-MW1	102	24-AUG-92	8270	330	U	330	F
Chrysene	SNL0091290	LWDS-MW1	110	24-AUG-92	8270	330	U	330	F
Chrysene	SNL0091288	LWDS-MW1	110	24-AUG-92	8270	330	U	330	F
Chrysene	SNL0091295	LWDS-MW1	120	25-AUG-92	8270	330	U	330	F
Chrysene	SNL0091297	LWDS-MW1	130	25-AUG-92	8270	330	U	330	F
Chrysene	SNL0091583	LWDS-MW1	143	02-SEP-92	8270	330	U	330	F
Chrysene	SNL0091585	LWDS-MW1	150	02-SEP-92	8270	330	U	330	F
Chrysene	SNL0092988	LWDS-MW1	176	06-APR-93	8270	330	U	330	F
Chrysene	SNL0092998	LWDS-MW1	202	08-APR-93	8270	330	U	330	F
Chrysene	SNL0093012	LWDS-MW1	226	13-APR-93	8270	330	U	330	F
Chrysene	SNL0093022	LWDS-MW1	250	14-APR-93	8270	330	U	330	F
Chrysene	SNL0093034	LWDS-MW1	274	15-APR-93	8270	330	U	330	F
Chrysene	SNL0093054	LWDS-MW1	315	17-APR-93	8270	330	U	330	F
Chrysene	SNL0093066	LWDS-MW1	346	19-APR-93	8270	330	U	330	F
Chrysene	SNL0093044	LWDS-MW1	346	19-APR-93	8270	330	U	330	D
Chrysene	SNL0093078	LWDS-MW1	390	21-APR-93	8270	330	U	330	F
Chrysene	SNL0093101	LWDS-MW1	444	27-APR-93	8270	330	U	330	F
Di-n-butyl phthalate	SNL0093720	LWDS-05-BH13	0	29-MAR-94	8270	330	U	330	F
Di-n-butyl phthalate	SNL0093123	LWDS-MW1	0	30-APR-93	8270	330	U	330	F
Di-n-butyl phthalate	SNL0093091	LWDS-MW1	0	21-APR-93	8270	330	U	330	F
Di-n-butyl phthalate	SNL0091259	LWDS-MW1	12	22-AUG-92	8270	330	U	330	F
Di-n-butyl phthalate	SNL0091261	LWDS-MW1	21	22-AUG-92	8270	330	U	330	F
Di-n-butyl phthalate	SNL0093474	LWDS-05-BH11	25	20-MAR-94	8270	330	U	330	F
Di-n-butyl phthalate	SNL0093384	LWDS-05-BH12	25	21-MAR-94	8270	330	U	330	F
Di-n-butyl phthalate	SNL0093294	LWDS-05-BH13	25	22-MAR-94	8270	330	U	330	F
Di-n-butyl phthalate	SNL0093676	LWDS-05-BH14	25	23-MAR-94	8270	330	U	330	F
Di-n-butyl phthalate	SNL0093482	LWDS-05-BH11	30	20-MAR-94	8270	330	U	330	F
Di-n-butyl phthalate	SNL0093392	LWDS-05-BH12	30	21-MAR-94	8270	330	U	330	F
Di-n-butyl phthalate	SNL0093302	LWDS-05-BH13	30	22-MAR-94	8270	330	U	330	F
Di-n-butyl phthalate	SNL0093680	LWDS-05-BH14	30	23-MAR-94	8270	330	U	330	F
Di-n-butyl phthalate	SNL0091263	LWDS-MW1	30	22-AUG-92	8270	330	U	330	F
Di-n-butyl phthalate	SNL0093400	LWDS-05-BH12	32.5	21-MAR-94	8270	330	U	330	F
Di-n-butyl phthalate	SNL0093310	LWDS-05-BH13	32.5	22-MAR-94	8270	330	U	330	F
Di-n-butyl phthalate	SNL0093684	LWDS-05-BH14	32.5	23-MAR-94	8270	330	U	330	F
Di-n-butyl phthalate	SNL0093491	LWDS-05-BH11	35	20-MAR-94	8270	330	U	330	F
Di-n-butyl phthalate	SNL0093408	LWDS-05-BH12	35	21-MAR-94	8270	330	U	330	F
Di-n-butyl phthalate	SNL0093318	LWDS-05-BH13	35	22-MAR-94	8270	330	U	330	F
Di-n-butyl phthalate	SNL0093688	LWDS-05-BH14	35	23-MAR-94	8270	330	U	330	F
Di-n-butyl phthalate	SNL0093589	LWDS-05-BH11	37.5	20-MAR-94	8270	330	U	330	F
Di-n-butyl phthalate	SNL0093416	LWDS-05-BH12	37.5	21-MAR-94	8270	330	U	330	F
Di-n-butyl phthalate	SNL0093326	LWDS-05-BH13	37.5	22-MAR-94	8270	330	U	330	F
Di-n-butyl phthalate	SNL0093692	LWDS-05-BH14	37.5	23-MAR-94	8270	46	J	330	F
Di-n-butyl phthalate	SNL0091265	LWDS-MW1	39	22-AUG-92	8270	330	U	330	F
Di-n-butyl phthalate	SNL0093499	LWDS-05-BH11	40	20-MAR-94	8270	330	U	330	F
Di-n-butyl phthalate	SNL0093424	LWDS-05-BH12	40	21-MAR-94	8270	330	U	330	F
Di-n-butyl phthalate	SNL0093334	LWDS-05-BH13	40	22-MAR-94	8270	330	U	330	F
Di-n-butyl phthalate	SNL0093625	LWDS-05-BH14	40	23-MAR-94	8270	330	U	330	F
Di-n-butyl phthalate	SNL0093507	LWDS-05-BH11	42.5	20-MAR-94	8270	330	U	330	F
Di-n-butyl phthalate	SNL0093515	LWDS-05-BH11	45	20-MAR-94	8270	330	U	330	F
Di-n-butyl phthalate	SNL0093432	LWDS-05-BH12	45	21-MAR-94	8270	330	U	330	F
Di-n-butyl phthalate	SNL0093342	LWDS-05-BH13	45	22-MAR-94	8270	330	U	330	F
Di-n-butyl phthalate	SNL0093629	LWDS-05-BH14	45	23-MAR-94	8270	330	U	330	F

Table A-5: Organics analyses of soil samples from ER Site 5.

Analyte	Sample Number	Sample Location	Sample Depth (Ft)	Sample Date	Analytical Method	Amount Detected (ug/kg)	Qualifier	Method Detection Limit	Sample Type
Di-n-butyl phthalate	SNL0093523	LWDS-05-BH11	47.5	20-MAR-94	8270	330	U	330	F
Di-n-butyl phthalate	SNL0093531	LWDS-05-BH11	50	20-MAR-94	8270	330	U	330	F
Di-n-butyl phthalate	SNL0093440	LWDS-05-BH12	50	21-MAR-94	8270	330	U	330	F
Di-n-butyl phthalate	SNL0093350	LWDS-05-BH13	50	22-MAR-94	8270	330	U	330	F
Di-n-butyl phthalate	SNL0093358	LWDS-05-BH13	50	22-MAR-94	8270	330	U	330	F
Di-n-butyl phthalate	SNL0093633	LWDS-05-BH14	50	23-MAR-94	8270	330	U	330	F
Di-n-butyl phthalate	SNL0091267	LWDS-MW1	50	22-AUG-92	8270	330	U	330	F
Di-n-butyl phthalate	SNL0091269	LWDS-MW1	50	22-AUG-92	8270	330	U	330	D
Di-n-butyl phthalate	SNL0093539	LWDS-05-BH11	55	20-MAR-94	8270	330	U	330	F
Di-n-butyl phthalate	SNL0093456	LWDS-05-BH12	55	21-MAR-94	8270	330	U	330	D
Di-n-butyl phthalate	SNL0093448	LWDS-05-BH12	55	21-MAR-94	8270	330	U	330	F
Di-n-butyl phthalate	SNL0093366	LWDS-05-BH13	55	22-MAR-94	8270	330	U	330	F
Di-n-butyl phthalate	SNL0093637	LWDS-05-BH14	55	23-MAR-94	8270	330	U	330	F
Di-n-butyl phthalate	SNL0093547	LWDS-05-BH11	60	20-MAR-94	8270	330	U	330	F
Di-n-butyl phthalate	SNL0093641	LWDS-05-BH14	60	23-MAR-94	8270	330	U	330	F
Di-n-butyl phthalate	SNL0093645	LWDS-05-BH14	60	23-MAR-94	8270	330	U	330	D
Di-n-butyl phthalate	SNL0091271	LWDS-MW1	60	22-AUG-92	8270	330	U	330	F
Di-n-butyl phthalate	SNL0093555	LWDS-05-BH11	65	20-MAR-94	8270	330	U	330	F
Di-n-butyl phthalate	SNL0091278	LWDS-MW1	68	23-AUG-92	8270	330	U	330	F
Di-n-butyl phthalate	SNL0093571	LWDS-05-BH11	70	20-MAR-94	8270	330	U	330	D
Di-n-butyl phthalate	SNL0093563	LWDS-05-BH11	70	20-MAR-94	8270	330	U	330	F
Di-n-butyl phthalate	SNL0091280	LWDS-MW1	80	23-AUG-92	8270	330	U	330	F
Di-n-butyl phthalate	SNL0091284	LWDS-MW1	89	23-AUG-92	8270	330	U	330	D
Di-n-butyl phthalate	SNL0091282	LWDS-MW1	89	23-AUG-92	8270	330	U	330	F
Di-n-butyl phthalate	SNL0091286	LWDS-MW1	102	24-AUG-92	8270	330	U	330	F
Di-n-butyl phthalate	SNL0091290	LWDS-MW1	110	24-AUG-92	8270	330	U	330	F
Di-n-butyl phthalate	SNL0091288	LWDS-MW1	110	24-AUG-92	8270	330	U	330	F
Di-n-butyl phthalate	SNL0091295	LWDS-MW1	120	25-AUG-92	8270	330	U	330	F
Di-n-butyl phthalate	SNL0091297	LWDS-MW1	130	25-AUG-92	8270	330	U	330	F
Di-n-butyl phthalate	SNL0091583	LWDS-MW1	143	02-SEP-92	8270	1600		330	F
Di-n-butyl phthalate	SNL0091585	LWDS-MW1	150	02-SEP-92	8270	1200		330	F
Di-n-butyl phthalate	SNL0092988	LWDS-MW1	176	06-APR-93	8270	330	U	330	F
Di-n-butyl phthalate	SNL0092998	LWDS-MW1	202	08-APR-93	8270	330	U	330	F
Di-n-butyl phthalate	SNL0093012	LWDS-MW1	226	13-APR-93	8270	330	U	330	F
Di-n-butyl phthalate	SNL0093022	LWDS-MW1	250	14-APR-93	8270	330	U	330	F
Di-n-butyl phthalate	SNL0093034	LWDS-MW1	274	15-APR-93	8270	330	U	330	F
Di-n-butyl phthalate	SNL0093054	LWDS-MW1	315	17-APR-93	8270	330	U	330	F
Di-n-butyl phthalate	SNL0093066	LWDS-MW1	346	19-APR-93	8270	330	U	330	F
Di-n-butyl phthalate	SNL0093044	LWDS-MW1	346	19-APR-93	8270	330	U	330	D
Di-n-butyl phthalate	SNL0093078	LWDS-MW1	390	21-APR-93	8270	330	U	330	F
Di-n-butyl phthalate	SNL0093101	LWDS-MW1	444	27-APR-93	8270	330	U	330	F
Di-n-octyl phthalate	SNL0093720	LWDS-05-BH13	0	29-MAR-94	8270	330	U	330	F
Di-n-octyl phthalate	SNL0093123	LWDS-MW1	0	30-APR-93	8270	330	U	330	F
Di-n-octyl phthalate	SNL0093091	LWDS-MW1	0	21-APR-93	8270	330	U	330	F
Di-n-octyl phthalate	SNL0091259	LWDS-MW1	12	22-AUG-92	8270	330	U	330	F
Di-n-octyl phthalate	SNL0091261	LWDS-MW1	21	22-AUG-92	8270	330	U	330	F
Di-n-octyl phthalate	SNL0093474	LWDS-05-BH11	25	20-MAR-94	8270	330	U	330	F
Di-n-octyl phthalate	SNL0093384	LWDS-05-BH12	25	21-MAR-94	8270	330	U	330	F
Di-n-octyl phthalate	SNL0093294	LWDS-05-BH13	25	22-MAR-94	8270	330	U	330	F
Di-n-octyl phthalate	SNL0093676	LWDS-05-BH14	25	23-MAR-94	8270	330	U	330	F
Di-n-octyl phthalate	SNL0093482	LWDS-05-BH11	30	20-MAR-94	8270	330	U	330	F
Di-n-octyl phthalate	SNL0093392	LWDS-05-BH12	30	21-MAR-94	8270	330	U	330	F
Di-n-octyl phthalate	SNL0093302	LWDS-05-BH13	30	22-MAR-94	8270	330	U	330	F
Di-n-octyl phthalate	SNL0093680	LWDS-05-BH14	30	23-MAR-94	8270	330	U	330	F
Di-n-octyl phthalate	SNL0091263	LWDS-MW1	30	22-AUG-92	8270	330	U	330	F
Di-n-octyl phthalate	SNL0093400	LWDS-05-BH12	32.5	21-MAR-94	8270	330	U	330	F
Di-n-octyl phthalate	SNL0093310	LWDS-05-BH13	32.5	22-MAR-94	8270	330	U	330	F
Di-n-octyl phthalate	SNL0093684	LWDS-05-BH14	32.5	23-MAR-94	8270	330	U	330	F
Di-n-octyl phthalate	SNL0093491	LWDS-05-BH11	35	20-MAR-94	8270	330	U	330	F
Di-n-octyl phthalate	SNL0093408	LWDS-05-BH12	35	21-MAR-94	8270	330	U	330	F
Di-n-octyl phthalate	SNL0093318	LWDS-05-BH13	35	22-MAR-94	8270	330	U	330	F
Di-n-octyl phthalate	SNL0093688	LWDS-05-BH14	35	23-MAR-94	8270	330	U	330	F
Di-n-octyl phthalate	SNL0093589	LWDS-05-BH11	37.5	20-MAR-94	8270	330	U	330	F
Di-n-octyl phthalate	SNL0093416	LWDS-05-BH12	37.5	21-MAR-94	8270	330	U	330	F
Di-n-octyl phthalate	SNL0093326	LWDS-05-BH13	37.5	22-MAR-94	8270	330	U	330	F
Di-n-octyl phthalate	SNL0093692	LWDS-05-BH14	37.5	23-MAR-94	8270	330	U	330	F
Di-n-octyl phthalate	SNL0091265	LWDS-MW1	39	22-AUG-92	8270	330	U	330	F

Table A-5: Organics analyses of soil samples from ER Site 5.

Analyte	Sample Number	Sample Location	Sample Depth (Ft)	Sample Date	Analytical Method	Amount Detected (ug/kg)	Qualifier	Method Detection Limit	Sample Type
Di-n-octyl phthalate	SNL0093499	LWDS-05-BH11	40	20-MAR-94	8270	330	U	330	F
Di-n-octyl phthalate	SNL0093424	LWDS-05-BH12	40	21-MAR-94	8270	330	U	330	F
Di-n-octyl phthalate	SNL0093334	LWDS-05-BH13	40	22-MAR-94	8270	330	U	330	F
Di-n-octyl phthalate	SNL0093625	LWDS-05-BH14	40	23-MAR-94	8270	330	U	330	F
Di-n-octyl phthalate	SNL0093507	LWDS-05-BH11	42.5	20-MAR-94	8270	330	U	330	F
Di-n-octyl phthalate	SNL0093515	LWDS-05-BH11	45	20-MAR-94	8270	330	U	330	F
Di-n-octyl phthalate	SNL0093432	LWDS-05-BH12	45	21-MAR-94	8270	330	U	330	F
Di-n-octyl phthalate	SNL0093342	LWDS-05-BH13	45	22-MAR-94	8270	330	U	330	F
Di-n-octyl phthalate	SNL0093629	LWDS-05-BH14	45	23-MAR-94	8270	330	U	330	F
Di-n-octyl phthalate	SNL0093523	LWDS-05-BH11	47.5	20-MAR-94	8270	330	U	330	F
Di-n-octyl phthalate	SNL0093531	LWDS-05-BH11	50	20-MAR-94	8270	330	U	330	F
Di-n-octyl phthalate	SNL0093440	LWDS-05-BH12	50	21-MAR-94	8270	330	U	330	F
Di-n-octyl phthalate	SNL0093358	LWDS-05-BH13	50	22-MAR-94	8270	330	U	330	F
Di-n-octyl phthalate	SNL0093350	LWDS-05-BH13	50	22-MAR-94	8270	330	U	330	F
Di-n-octyl phthalate	SNL0093633	LWDS-05-BH14	50	23-MAR-94	8270	330	U	330	F
Di-n-octyl phthalate	SNL0091269	LWDS-MW1	50	22-AUG-92	8270	330	U	330	D
Di-n-octyl phthalate	SNL0091267	LWDS-MW1	50	22-AUG-92	8270	330	U	330	F
Di-n-octyl phthalate	SNL0093539	LWDS-05-BH11	55	20-MAR-94	8270	330	U	330	F
Di-n-octyl phthalate	SNL0093456	LWDS-05-BH12	55	21-MAR-94	8270	330	U	330	D
Di-n-octyl phthalate	SNL0093448	LWDS-05-BH12	55	21-MAR-94	8270	330	U	330	F
Di-n-octyl phthalate	SNL0093366	LWDS-05-BH13	55	22-MAR-94	8270	330	U	330	F
Di-n-octyl phthalate	SNL0093637	LWDS-05-BH14	55	23-MAR-94	8270	330	U	330	F
Di-n-octyl phthalate	SNL0093547	LWDS-05-BH11	60	20-MAR-94	8270	330	U	330	F
Di-n-octyl phthalate	SNL0093641	LWDS-05-BH14	60	23-MAR-94	8270	330	U	330	F
Di-n-octyl phthalate	SNL0093645	LWDS-05-BH14	60	23-MAR-94	8270	330	U	330	D
Di-n-octyl phthalate	SNL0091271	LWDS-MW1	60	22-AUG-92	8270	330	U	330	F
Di-n-octyl phthalate	SNL0093555	LWDS-05-BH11	65	20-MAR-94	8270	330	U	330	F
Di-n-octyl phthalate	SNL0091278	LWDS-MW1	68	23-AUG-92	8270	330	U	330	F
Di-n-octyl phthalate	SNL0093571	LWDS-05-BH11	70	20-MAR-94	8270	330	U	330	D
Di-n-octyl phthalate	SNL0093563	LWDS-05-BH11	70	20-MAR-94	8270	330	U	330	F
Di-n-octyl phthalate	SNL0091280	LWDS-MW1	80	23-AUG-92	8270	330	U	330	F
Di-n-octyl phthalate	SNL0091284	LWDS-MW1	89	23-AUG-92	8270	330	U	330	D
Di-n-octyl phthalate	SNL0091282	LWDS-MW1	89	23-AUG-92	8270	330	U	330	F
Di-n-octyl phthalate	SNL0091286	LWDS-MW1	102	24-AUG-92	8270	330	U	330	F
Di-n-octyl phthalate	SNL0091290	LWDS-MW1	110	24-AUG-92	8270	330	U	330	F
Di-n-octyl phthalate	SNL0091288	LWDS-MW1	110	24-AUG-92	8270	330	U	330	F
Di-n-octyl phthalate	SNL0091295	LWDS-MW1	120	25-AUG-92	8270	330	U	330	F
Di-n-octyl phthalate	SNL0091297	LWDS-MW1	130	25-AUG-92	8270	330	U	330	F
Di-n-octyl phthalate	SNL0091583	LWDS-MW1	143	02-SEP-92	8270	330	U	330	F
Di-n-octyl phthalate	SNL0091585	LWDS-MW1	150	02-SEP-92	8270	330	U	330	F
Di-n-octyl phthalate	SNL0092988	LWDS-MW1	176	06-APR-93	8270	330	U	330	F
Di-n-octyl phthalate	SNL0092998	LWDS-MW1	202	08-APR-93	8270	330	U	330	F
Di-n-octyl phthalate	SNL0093012	LWDS-MW1	226	13-APR-93	8270	330	U	330	F
Di-n-octyl phthalate	SNL0093022	LWDS-MW1	250	14-APR-93	8270	330	U	330	F
Di-n-octyl phthalate	SNL0093034	LWDS-MW1	274	15-APR-93	8270	330	U	330	F
Di-n-octyl phthalate	SNL0093054	LWDS-MW1	315	17-APR-93	8270	330	U	330	F
Di-n-octyl phthalate	SNL0093066	LWDS-MW1	346	19-APR-93	8270	330	U	330	F
Di-n-octyl phthalate	SNL0093044	LWDS-MW1	346	19-APR-93	8270	330	U	330	D
Di-n-octyl phthalate	SNL0093078	LWDS-MW1	390	21-APR-93	8270	330	U	330	F
Di-n-octyl phthalate	SNL0093101	LWDS-MW1	444	27-APR-93	8270	330	U	330	F
Dibenz[a,h]anthracene	SNL0093720	LWDS-05-BH13	0	29-MAR-94	8270	330	U	330	F
Dibenz[a,h]anthracene	SNL0093123	LWDS-MW1	0	30-APR-93	8270	330	U	330	F
Dibenz[a,h]anthracene	SNL0093091	LWDS-MW1	0	21-APR-93	8270	330	U	330	F
Dibenz[a,h]anthracene	SNL0091259	LWDS-MW1	12	22-AUG-92	8270	330	U	330	F
Dibenz[a,h]anthracene	SNL0091261	LWDS-MW1	21	22-AUG-92	8270	330	U	330	F
Dibenz[a,h]anthracene	SNL0093474	LWDS-05-BH11	25	20-MAR-94	8270	330	U	330	F
Dibenz[a,h]anthracene	SNL0093384	LWDS-05-BH12	25	21-MAR-94	8270	330	U	330	F
Dibenz[a,h]anthracene	SNL0093294	LWDS-05-BH13	25	22-MAR-94	8270	330	U	330	F
Dibenz[a,h]anthracene	SNL0093676	LWDS-05-BH14	25	23-MAR-94	8270	330	U	330	F
Dibenz[a,h]anthracene	SNL0093482	LWDS-05-BH11	30	20-MAR-94	8270	330	U	330	F
Dibenz[a,h]anthracene	SNL0093392	LWDS-05-BH12	30	21-MAR-94	8270	330	U	330	F
Dibenz[a,h]anthracene	SNL0093302	LWDS-05-BH13	30	22-MAR-94	8270	330	U	330	F
Dibenz[a,h]anthracene	SNL0093680	LWDS-05-BH14	30	23-MAR-94	8270	330	U	330	F
Dibenz[a,h]anthracene	SNL0091263	LWDS-MW1	30	22-AUG-92	8270	330	U	330	F
Dibenz[a,h]anthracene	SNL0093400	LWDS-05-BH12	32.5	21-MAR-94	8270	330	U	330	F
Dibenz[a,h]anthracene	SNL0093310	LWDS-05-BH13	32.5	22-MAR-94	8270	330	U	330	F
Dibenz[a,h]anthracene	SNL0093684	LWDS-05-BH14	32.5	23-MAR-94	8270	330	U	330	F

Table A-5: Organics analyses of soil samples from ER Site 5.

Analyte	Sample Number	Sample Location	Sample Depth (Ft)	Sample Date	Analytical Method	Amount Detected (ug/kg)	Qualifier	Method Detection Limit	Sample Type
Dibenz[a,h]anthracene	SNL0093491	LWDS-05-BH11	35	20-MAR-94	8270	330	U	330	F
Dibenz[a,h]anthracene	SNL0093408	LWDS-05-BH12	35	21-MAR-94	8270	330	U	330	F
Dibenz[a,h]anthracene	SNL0093318	LWDS-05-BH13	35	22-MAR-94	8270	330	U	330	F
Dibenz[a,h]anthracene	SNL0093688	LWDS-05-BH14	35	23-MAR-94	8270	330	U	330	F
Dibenz[a,h]anthracene	SNL0093589	LWDS-05-BH11	37.5	20-MAR-94	8270	330	U	330	F
Dibenz[a,h]anthracene	SNL0093416	LWDS-05-BH12	37.5	21-MAR-94	8270	330	U	330	F
Dibenz[a,h]anthracene	SNL0093326	LWDS-05-BH13	37.5	22-MAR-94	8270	330	U	330	F
Dibenz[a,h]anthracene	SNL0093692	LWDS-05-BH14	37.5	23-MAR-94	8270	330	U	330	F
Dibenz[a,h]anthracene	SNL0091265	LWDS-MW1	39	22-AUG-92	8270	330	U	330	F
Dibenz[a,h]anthracene	SNL0093499	LWDS-05-BH11	40	20-MAR-94	8270	330	U	330	F
Dibenz[a,h]anthracene	SNL0093424	LWDS-05-BH12	40	21-MAR-94	8270	330	U	330	F
Dibenz[a,h]anthracene	SNL0093334	LWDS-05-BH13	40	22-MAR-94	8270	330	U	330	F
Dibenz[a,h]anthracene	SNL0093625	LWDS-05-BH14	40	23-MAR-94	8270	330	U	330	F
Dibenz[a,h]anthracene	SNL0093507	LWDS-05-BH11	42.5	20-MAR-94	8270	330	U	330	F
Dibenz[a,h]anthracene	SNL0093515	LWDS-05-BH11	45	20-MAR-94	8270	330	U	330	F
Dibenz[a,h]anthracene	SNL0093432	LWDS-05-BH12	45	21-MAR-94	8270	330	U	330	F
Dibenz[a,h]anthracene	SNL0093342	LWDS-05-BH13	45	22-MAR-94	8270	330	U	330	F
Dibenz[a,h]anthracene	SNL0093629	LWDS-05-BH14	45	23-MAR-94	8270	330	U	330	F
Dibenz[a,h]anthracene	SNL0093523	LWDS-05-BH11	47.5	20-MAR-94	8270	330	U	330	F
Dibenz[a,h]anthracene	SNL0093531	LWDS-05-BH11	50	20-MAR-94	8270	330	U	330	F
Dibenz[a,h]anthracene	SNL0093440	LWDS-05-BH12	50	21-MAR-94	8270	330	U	330	F
Dibenz[a,h]anthracene	SNL0093350	LWDS-05-BH13	50	22-MAR-94	8270	330	U	330	F
Dibenz[a,h]anthracene	SNL0093358	LWDS-05-BH13	50	22-MAR-94	8270	330	U	330	F
Dibenz[a,h]anthracene	SNL0093633	LWDS-05-BH14	50	23-MAR-94	8270	330	U	330	F
Dibenz[a,h]anthracene	SNL0091269	LWDS-MW1	50	22-AUG-92	8270	330	U	330	D
Dibenz[a,h]anthracene	SNL0091267	LWDS-MW1	50	22-AUG-92	8270	330	U	330	F
Dibenz[a,h]anthracene	SNL0093539	LWDS-05-BH11	55	20-MAR-94	8270	330	U	330	F
Dibenz[a,h]anthracene	SNL0093456	LWDS-05-BH12	55	21-MAR-94	8270	330	U	330	D
Dibenz[a,h]anthracene	SNL0093448	LWDS-05-BH12	55	21-MAR-94	8270	330	U	330	F
Dibenz[a,h]anthracene	SNL0093366	LWDS-05-BH13	55	22-MAR-94	8270	330	U	330	F
Dibenz[a,h]anthracene	SNL0093637	LWDS-05-BH14	55	23-MAR-94	8270	330	U	330	F
Dibenz[a,h]anthracene	SNL0093547	LWDS-05-BH11	60	20-MAR-94	8270	330	U	330	F
Dibenz[a,h]anthracene	SNL0093645	LWDS-05-BH14	60	23-MAR-94	8270	330	U	330	D
Dibenz[a,h]anthracene	SNL0093641	LWDS-05-BH14	60	23-MAR-94	8270	330	U	330	F
Dibenz[a,h]anthracene	SNL0091271	LWDS-MW1	60	22-AUG-92	8270	330	U	330	F
Dibenz[a,h]anthracene	SNL0093555	LWDS-05-BH11	65	20-MAR-94	8270	330	U	330	F
Dibenz[a,h]anthracene	SNL0091278	LWDS-MW1	68	23-AUG-92	8270	330	U	330	F
Dibenz[a,h]anthracene	SNL0093571	LWDS-05-BH11	70	20-MAR-94	8270	330	U	330	D
Dibenz[a,h]anthracene	SNL0093563	LWDS-05-BH11	70	20-MAR-94	8270	330	U	330	F
Dibenz[a,h]anthracene	SNL0091280	LWDS-MW1	80	23-AUG-92	8270	330	U	330	F
Dibenz[a,h]anthracene	SNL0091284	LWDS-MW1	89	23-AUG-92	8270	330	U	330	D
Dibenz[a,h]anthracene	SNL0091282	LWDS-MW1	89	23-AUG-92	8270	330	U	330	F
Dibenz[a,h]anthracene	SNL0091286	LWDS-MW1	102	24-AUG-92	8270	330	U	330	F
Dibenz[a,h]anthracene	SNL0091288	LWDS-MW1	110	24-AUG-92	8270	330	U	330	F
Dibenz[a,h]anthracene	SNL0091290	LWDS-MW1	110	24-AUG-92	8270	330	U	330	F
Dibenz[a,h]anthracene	SNL0091295	LWDS-MW1	120	25-AUG-92	8270	330	U	330	F
Dibenz[a,h]anthracene	SNL0091297	LWDS-MW1	130	25-AUG-92	8270	330	U	330	F
Dibenz[a,h]anthracene	SNL0091583	LWDS-MW1	143	02-SEP-92	8270	330	U	330	F
Dibenz[a,h]anthracene	SNL0091585	LWDS-MW1	150	02-SEP-92	8270	330	U	330	F
Dibenz[a,h]anthracene	SNL0092988	LWDS-MW1	176	06-APR-93	8270	330	U	330	F
Dibenz[a,h]anthracene	SNL0092998	LWDS-MW1	202	08-APR-93	8270	330	U	330	F
Dibenz[a,h]anthracene	SNL0093012	LWDS-MW1	226	13-APR-93	8270	330	U	330	F
Dibenz[a,h]anthracene	SNL0093022	LWDS-MW1	250	14-APR-93	8270	330	U	330	F
Dibenz[a,h]anthracene	SNL0093034	LWDS-MW1	274	15-APR-93	8270	330	U	330	F
Dibenz[a,h]anthracene	SNL0093054	LWDS-MW1	315	17-APR-93	8270	330	U	330	F
Dibenz[a,h]anthracene	SNL0093044	LWDS-MW1	346	19-APR-93	8270	330	U	330	D
Dibenz[a,h]anthracene	SNL0093066	LWDS-MW1	346	19-APR-93	8270	330	U	330	F
Dibenz[a,h]anthracene	SNL0093078	LWDS-MW1	390	21-APR-93	8270	330	U	330	F
Dibenz[a,h]anthracene	SNL0093101	LWDS-MW1	444	27-APR-93	8270	330	U	330	F
Dibenzofuran	SNL0093720	LWDS-05-BH13	0	29-MAR-94	8270	330	U	330	F
Dibenzofuran	SNL0093123	LWDS-MW1	0	30-APR-93	8270	330	U	330	F
Dibenzofuran	SNL0093091	LWDS-MW1	0	21-APR-93	8270	330	U	330	F
Dibenzofuran	SNL0091259	LWDS-MW1	12	22-AUG-92	8270	330	U	330	F
Dibenzofuran	SNL0091261	LWDS-MW1	21	22-AUG-92	8270	330	U	330	F
Dibenzofuran	SNL0093474	LWDS-05-BH11	25	20-MAR-94	8270	330	U	330	F
Dibenzofuran	SNL0093384	LWDS-05-BH12	25	21-MAR-94	8270	330	U	330	F
Dibenzofuran	SNL0093294	LWDS-05-BH13	25	22-MAR-94	8270	330	U	330	F

Table A-5: Organics analyses of soil samples from ER Site 5.

Analyte	Sample Number	Sample Location	Sample Depth (Ft)	Sample Date	Analytical Method	Amount Detected (ug/kg)	Qualifier	Method Detection Limit	Sample Type
Dibenzofuran	SNL0093676	LWDS-05-BH14	25	23-MAR-94	8270	330	U	330	F
Dibenzofuran	SNL0093482	LWDS-05-BH11	30	20-MAR-94	8270	330	U	330	F
Dibenzofuran	SNL0093392	LWDS-05-BH12	30	21-MAR-94	8270	330	U	330	F
Dibenzofuran	SNL0093302	LWDS-05-BH13	30	22-MAR-94	8270	330	U	330	F
Dibenzofuran	SNL0093680	LWDS-05-BH14	30	23-MAR-94	8270	330	U	330	F
Dibenzofuran	SNL0091263	LWDS-MW1	30	22-AUG-92	8270	330	U	330	F
Dibenzofuran	SNL0093400	LWDS-05-BH12	32.5	21-MAR-94	8270	330	U	330	F
Dibenzofuran	SNL0093310	LWDS-05-BH13	32.5	22-MAR-94	8270	330	U	330	F
Dibenzofuran	SNL0093684	LWDS-05-BH14	32.5	23-MAR-94	8270	330	U	330	F
Dibenzofuran	SNL0093491	LWDS-05-BH11	35	20-MAR-94	8270	330	U	330	F
Dibenzofuran	SNL0093408	LWDS-05-BH12	35	21-MAR-94	8270	330	U	330	F
Dibenzofuran	SNL0093318	LWDS-05-BH13	35	22-MAR-94	8270	330	U	330	F
Dibenzofuran	SNL0093688	LWDS-05-BH14	35	23-MAR-94	8270	330	U	330	F
Dibenzofuran	SNL0093589	LWDS-05-BH11	37.5	20-MAR-94	8270	330	U	330	F
Dibenzofuran	SNL0093416	LWDS-05-BH12	37.5	21-MAR-94	8270	330	U	330	F
Dibenzofuran	SNL0093326	LWDS-05-BH13	37.5	22-MAR-94	8270	330	U	330	F
Dibenzofuran	SNL0093692	LWDS-05-BH14	37.5	23-MAR-94	8270	330	U	330	F
Dibenzofuran	SNL0091265	LWDS-MW1	39	22-AUG-92	8270	330	U	330	F
Dibenzofuran	SNL0093499	LWDS-05-BH11	40	20-MAR-94	8270	330	U	330	F
Dibenzofuran	SNL0093424	LWDS-05-BH12	40	21-MAR-94	8270	330	U	330	F
Dibenzofuran	SNL0093334	LWDS-05-BH13	40	22-MAR-94	8270	330	U	330	F
Dibenzofuran	SNL0093625	LWDS-05-BH14	40	23-MAR-94	8270	330	U	330	F
Dibenzofuran	SNL0093507	LWDS-05-BH11	42.5	20-MAR-94	8270	330	U	330	F
Dibenzofuran	SNL0093515	LWDS-05-BH11	45	20-MAR-94	8270	330	U	330	F
Dibenzofuran	SNL0093432	LWDS-05-BH12	45	21-MAR-94	8270	330	U	330	F
Dibenzofuran	SNL0093342	LWDS-05-BH13	45	22-MAR-94	8270	330	U	330	F
Dibenzofuran	SNL0093629	LWDS-05-BH14	45	23-MAR-94	8270	330	U	330	F
Dibenzofuran	SNL0093523	LWDS-05-BH11	47.5	20-MAR-94	8270	330	U	330	F
Dibenzofuran	SNL0093531	LWDS-05-BH11	50	20-MAR-94	8270	330	U	330	F
Dibenzofuran	SNL0093440	LWDS-05-BH12	50	21-MAR-94	8270	330	U	330	F
Dibenzofuran	SNL0093358	LWDS-05-BH13	50	22-MAR-94	8270	330	U	330	F
Dibenzofuran	SNL0093350	LWDS-05-BH13	50	22-MAR-94	8270	330	U	330	F
Dibenzofuran	SNL0093633	LWDS-05-BH14	50	23-MAR-94	8270	330	U	330	F
Dibenzofuran	SNL0091269	LWDS-MW1	50	22-AUG-92	8270	330	U	330	D
Dibenzofuran	SNL0091267	LWDS-MW1	50	22-AUG-92	8270	330	U	330	F
Dibenzofuran	SNL0093539	LWDS-05-BH11	55	20-MAR-94	8270	330	U	330	F
Dibenzofuran	SNL0093456	LWDS-05-BH12	55	21-MAR-94	8270	330	U	330	D
Dibenzofuran	SNL0093448	LWDS-05-BH12	55	21-MAR-94	8270	330	U	330	F
Dibenzofuran	SNL0093366	LWDS-05-BH13	55	22-MAR-94	8270	330	U	330	F
Dibenzofuran	SNL0093637	LWDS-05-BH14	55	23-MAR-94	8270	330	U	330	F
Dibenzofuran	SNL0093547	LWDS-05-BH11	60	20-MAR-94	8270	330	U	330	F
Dibenzofuran	SNL0093645	LWDS-05-BH14	60	23-MAR-94	8270	330	U	330	D
Dibenzofuran	SNL0093641	LWDS-05-BH14	60	23-MAR-94	8270	330	U	330	F
Dibenzofuran	SNL0091271	LWDS-MW1	60	22-AUG-92	8270	330	U	330	F
Dibenzofuran	SNL0093555	LWDS-05-BH11	65	20-MAR-94	8270	330	U	330	F
Dibenzofuran	SNL0091278	LWDS-MW1	68	23-AUG-92	8270	330	U	330	F
Dibenzofuran	SNL0093571	LWDS-05-BH11	70	20-MAR-94	8270	330	U	330	D
Dibenzofuran	SNL0093563	LWDS-05-BH11	70	20-MAR-94	8270	330	U	330	F
Dibenzofuran	SNL0091280	LWDS-MW1	80	23-AUG-92	8270	330	U	330	F
Dibenzofuran	SNL0091284	LWDS-MW1	89	23-AUG-92	8270	330	U	330	D
Dibenzofuran	SNL0091282	LWDS-MW1	89	23-AUG-92	8270	330	U	330	F
Dibenzofuran	SNL0091286	LWDS-MW1	102	24-AUG-92	8270	330	U	330	F
Dibenzofuran	SNL0091288	LWDS-MW1	110	24-AUG-92	8270	330	U	330	F
Dibenzofuran	SNL0091290	LWDS-MW1	110	24-AUG-92	8270	330	U	330	F
Dibenzofuran	SNL0091295	LWDS-MW1	120	25-AUG-92	8270	330	U	330	F
Dibenzofuran	SNL0091297	LWDS-MW1	130	25-AUG-92	8270	330	U	330	F
Dibenzofuran	SNL0091583	LWDS-MW1	143	02-SEP-92	8270	330	U	330	F
Dibenzofuran	SNL0091585	LWDS-MW1	150	02-SEP-92	8270	330	U	330	F
Dibenzofuran	SNL0092988	LWDS-MW1	176	06-APR-93	8270	330	U	330	F
Dibenzofuran	SNL0092998	LWDS-MW1	202	08-APR-93	8270	330	U	330	F
Dibenzofuran	SNL0093012	LWDS-MW1	226	13-APR-93	8270	330	U	330	F
Dibenzofuran	SNL0093022	LWDS-MW1	250	14-APR-93	8270	330	U	330	F
Dibenzofuran	SNL0093034	LWDS-MW1	274	15-APR-93	8270	330	U	330	F
Dibenzofuran	SNL0093054	LWDS-MW1	315	17-APR-93	8270	330	U	330	F
Dibenzofuran	SNL0093066	LWDS-MW1	346	19-APR-93	8270	330	U	330	F
Dibenzofuran	SNL0093044	LWDS-MW1	346	19-APR-93	8270	330	U	330	D
Dibenzofuran	SNL0093078	LWDS-MW1	390	21-APR-93	8270	330	U	330	F

Table A-5: Organics analyses of soil samples from ER Site 5.

Analyte	Sample Number	Sample Location	Sample Depth (Ft)	Sample Date	Analytical Method	Amount Detected (ug/kg)	Qualifier	Method Detection Limit	Sample Type
Dibenzofuran	SNL0093101	LWDS-MW1	444	27-APR-93	8270	330	U	330	F
Dibromochloromethane	SNL0093572	LWDS-05-BH11	0	20-MAR-94	8240	5	U	5	TB
Dibromochloromethane	SNL0093466	LWDS-05-BH12	0	21-MAR-94	8240	5	U	5	TB
Dibromochloromethane	SNL0093375	LWDS-05-BH13	0	22-MAR-94	8240	5	U	5	TB
Dibromochloromethane	SNL0093717	LWDS-05-BH13	0	29-MAR-94	8240	5	U	5	F
Dibromochloromethane	SNL0093655	LWDS-05-BH14	0	23-MAR-94	8240	5	U	5	TB
Dibromochloromethane	SNL0093115	LWDS-MW1	0	30-APR-93	8240	5	U	5	F
Dibromochloromethane	SNL0093083	LWDS-MW1	0	21-APR-93	8240	5	U	5	F
Dibromochloromethane	SNL0091258	LWDS-MW1	12	22-AUG-92	8240	5	U	5	F
Dibromochloromethane	SNL0091260	LWDS-MW1	21	22-AUG-92	8240	5	U	5	F
Dibromochloromethane	SNL0093467	LWDS-05-BH11	25	20-MAR-94	8240	5	U	5	F
Dibromochloromethane	SNL0093377	LWDS-05-BH12	25	21-MAR-94	8240	5	U	5	F
Dibromochloromethane	SNL0093287	LWDS-05-BH13	25	22-MAR-94	8240	5	U	5	F
Dibromochloromethane	SNL0093673	LWDS-05-BH14	25	23-MAR-94	8240	5	U	5	F
Dibromochloromethane	SNL0093475	LWDS-05-BH11	30	20-MAR-94	8240	5	U	5	F
Dibromochloromethane	SNL0093385	LWDS-05-BH12	30	21-MAR-94	8240	5	U	5	F
Dibromochloromethane	SNL0093295	LWDS-05-BH13	30	22-MAR-94	8240	5	U	5	F
Dibromochloromethane	SNL0093677	LWDS-05-BH14	30	23-MAR-94	8240	5	U	5	F
Dibromochloromethane	SNL0091262	LWDS-MW1	30	22-AUG-92	8240	5	U	5	F
Dibromochloromethane	SNL0093483	LWDS-05-BH11	32.5	20-MAR-94	8240	5	U	5	F
Dibromochloromethane	SNL0093393	LWDS-05-BH12	32.5	21-MAR-94	8240	5	U	5	F
Dibromochloromethane	SNL0093303	LWDS-05-BH13	32.5	22-MAR-94	8240	5	U	5	F
Dibromochloromethane	SNL0093681	LWDS-05-BH14	32.5	23-MAR-94	8240	5	U	5	F
Dibromochloromethane	SNL0093484	LWDS-05-BH11	35	20-MAR-94	8240	5	U	5	F
Dibromochloromethane	SNL0093401	LWDS-05-BH12	35	21-MAR-94	8240	5	U	5	F
Dibromochloromethane	SNL0093311	LWDS-05-BH13	35	22-MAR-94	8240	5	U	5	F
Dibromochloromethane	SNL0093685	LWDS-05-BH14	35	23-MAR-94	8240	5	U	5	F
Dibromochloromethane	SNL0093582	LWDS-05-BH11	37.5	20-MAR-94	8240	5	U	5	F
Dibromochloromethane	SNL0093409	LWDS-05-BH12	37.5	21-MAR-94	8240	5	U	5	F
Dibromochloromethane	SNL0093319	LWDS-05-BH13	37.5	22-MAR-94	8240	5	U	5	F
Dibromochloromethane	SNL0093689	LWDS-05-BH14	37.5	23-MAR-94	8240	5	U	5	F
Dibromochloromethane	SNL0091264	LWDS-MW1	39	22-AUG-92	8240	5	U	5	F
Dibromochloromethane	SNL0093492	LWDS-05-BH11	40	20-MAR-94	8240	5	U	5	F
Dibromochloromethane	SNL0093417	LWDS-05-BH12	40	21-MAR-94	8240	5	U	5	F
Dibromochloromethane	SNL0093327	LWDS-05-BH13	40	22-MAR-94	8240	5	U	5	F
Dibromochloromethane	SNL0093693	LWDS-05-BH14	40	23-MAR-94	8240	5	U	5	F
Dibromochloromethane	SNL0093500	LWDS-05-BH11	42.5	20-MAR-94	8240	5	U	5	F
Dibromochloromethane	SNL0093508	LWDS-05-BH11	45	20-MAR-94	8240	5	U	5	F
Dibromochloromethane	SNL0093425	LWDS-05-BH12	45	21-MAR-94	8240	5	U	5	F
Dibromochloromethane	SNL0093335	LWDS-05-BH13	45	22-MAR-94	8240	5	U	5	F
Dibromochloromethane	SNL0093626	LWDS-05-BH14	45	23-MAR-94	8240	5	U	5	F
Dibromochloromethane	SNL0093516	LWDS-05-BH11	47.5	20-MAR-94	8240	5	U	5	F
Dibromochloromethane	SNL0093524	LWDS-05-BH11	50	20-MAR-94	8240	5	U	5	F
Dibromochloromethane	SNL0093433	LWDS-05-BH12	50	21-MAR-94	8240	5	U	5	F
Dibromochloromethane	SNL0093351	LWDS-05-BH13	50	22-MAR-94	8240	5	U	5	D
Dibromochloromethane	SNL0093343	LWDS-05-BH13	50	22-MAR-94	8240	5	U	5	F
Dibromochloromethane	SNL0093630	LWDS-05-BH14	50	23-MAR-94	8240	5	U	5	F
Dibromochloromethane	SNL0091268	LWDS-MW1	50	22-AUG-92	8240	5	U	5	D
Dibromochloromethane	SNL0091266	LWDS-MW1	50	22-AUG-92	8240	5	U	5	F
Dibromochloromethane	SNL0093532	LWDS-05-BH11	55	20-MAR-94	8240	5	U	5	F
Dibromochloromethane	SNL0093449	LWDS-05-BH12	55	21-MAR-94	8240	5	U	5	D
Dibromochloromethane	SNL0093441	LWDS-05-BH12	55	21-MAR-94	8240	5	U	5	F
Dibromochloromethane	SNL0093359	LWDS-05-BH13	55	22-MAR-94	8240	5	U	5	F
Dibromochloromethane	SNL0093634	LWDS-05-BH14	55	23-MAR-94	8240	5	U	5	F
Dibromochloromethane	SNL0093540	LWDS-05-BH11	60	20-MAR-94	8240	5	U	5	F
Dibromochloromethane	SNL0093642	LWDS-05-BH14	60	23-MAR-94	8240	5	U	5	D
Dibromochloromethane	SNL0093638	LWDS-05-BH14	60	23-MAR-94	8240	5	U	5	F
Dibromochloromethane	SNL0091270	LWDS-MW1	60	22-AUG-92	8240	5	U	5	F
Dibromochloromethane	SNL0093548	LWDS-05-BH11	65	20-MAR-94	8240	5	U	5	F
Dibromochloromethane	SNL0091277	LWDS-MW1	68	23-AUG-92	8240	5	U	5	F
Dibromochloromethane	SNL0093564	LWDS-05-BH11	70	20-MAR-94	8240	5	U	5	D
Dibromochloromethane	SNL0093556	LWDS-05-BH11	70	20-MAR-94	8240	5	U	5	F
Dibromochloromethane	SNL0091279	LWDS-MW1	80	23-AUG-92	8240	5	U	5	F
Dibromochloromethane	SNL0091283	LWDS-MW1	89	23-AUG-92	8240	5	U	5	D
Dibromochloromethane	SNL0091281	LWDS-MW1	89	23-AUG-92	8240	5	U	5	F
Dibromochloromethane	SNL0091285	LWDS-MW1	102	24-AUG-92	8240	5	U	5	F
Dibromochloromethane	SNL0091289	LWDS-MW1	110	24-AUG-92	8240	5	U	5	F

Table A-5: Organics analyses of soil samples from ER Site 5.

Analyte	Sample Number	Sample Location	Sample Depth (Ft)	Sample Date	Analytical Method	Amount Detected (ug/kg)	Qualifier	Method Detection Limit	Sample Type
Dibromochloromethane	SNL0091287	LWDS-MW1	110	24-AUG-92	8240	5	U	5	F
Dibromochloromethane	SNL0091294	LWDS-MW1	120	25-AUG-92	8240	5	U	5	F
Dibromochloromethane	SNL0091296	LWDS-MW1	130	25-AUG-92	8240	5	U	5	F
Dibromochloromethane	SNL0091582	LWDS-MW1	143	02-SEP-92	8240	5	U	5	F
Dibromochloromethane	SNL0091584	LWDS-MW1	150	02-SEP-92	8240	5	U	5	F
Dibromochloromethane	SNL0092980	LWDS-MW1	176	06-APR-93	8240	5	U	5	F
Dibromochloromethane	SNL0092990	LWDS-MW1	202	08-APR-93	8240	5	U	5	F
Dibromochloromethane	SNL0093004	LWDS-MW1	226	13-APR-93	8240	5	U	5	F
Dibromochloromethane	SNL0093014	LWDS-MW1	250	14-APR-93	8240	5	U	5	F
Dibromochloromethane	SNL0093026	LWDS-MW1	274	15-APR-93	8240	5	U	5	F
Dibromochloromethane	SNL0093046	LWDS-MW1	315	17-APR-93	8240	5	U	5	F
Dibromochloromethane	SNL0093058	LWDS-MW1	346	19-APR-93	8240	5	U	5	F
Dibromochloromethane	SNL0093036	LWDS-MW1	346	19-APR-93	8240	5	U	5	D
Dibromochloromethane	SNL0093070	LWDS-MW1	390	21-APR-93	8240	5	U	5	F
Dibromochloromethane	SNL0093093	LWDS-MW1	444	27-APR-93	8240	5	U	5	F
Dichlorobenzene, 1,2-	SNL0093720	LWDS-05-BH13	0	29-MAR-94	8270	330	U	330	F
Dichlorobenzene, 1,2-	SNL0093091	LWDS-MW1	0	21-APR-93	8270	330	U	330	F
Dichlorobenzene, 1,2-	SNL0093123	LWDS-MW1	0	30-APR-93	8270	330	U	330	F
Dichlorobenzene, 1,2-	SNL0091259	LWDS-MW1	12	22-AUG-92	8270	330	U	330	F
Dichlorobenzene, 1,2-	SNL0091261	LWDS-MW1	21	22-AUG-92	8270	330	U	330	F
Dichlorobenzene, 1,2-	SNL0093474	LWDS-05-BH11	25	20-MAR-94	8270	330	U	330	F
Dichlorobenzene, 1,2-	SNL0093384	LWDS-05-BH12	25	21-MAR-94	8270	330	U	330	F
Dichlorobenzene, 1,2-	SNL0093294	LWDS-05-BH13	25	22-MAR-94	8270	330	U	330	F
Dichlorobenzene, 1,2-	SNL0093676	LWDS-05-BH14	25	23-MAR-94	8270	330	U	330	F
Dichlorobenzene, 1,2-	SNL0093482	LWDS-05-BH11	30	20-MAR-94	8270	330	U	330	F
Dichlorobenzene, 1,2-	SNL0093392	LWDS-05-BH12	30	21-MAR-94	8270	330	U	330	F
Dichlorobenzene, 1,2-	SNL0093302	LWDS-05-BH13	30	22-MAR-94	8270	330	U	330	F
Dichlorobenzene, 1,2-	SNL0093680	LWDS-05-BH14	30	23-MAR-94	8270	330	U	330	F
Dichlorobenzene, 1,2-	SNL0091263	LWDS-MW1	30	22-AUG-92	8270	330	U	330	F
Dichlorobenzene, 1,2-	SNL0093400	LWDS-05-BH12	32.5	21-MAR-94	8270	330	U	330	F
Dichlorobenzene, 1,2-	SNL0093310	LWDS-05-BH13	32.5	22-MAR-94	8270	330	U	330	F
Dichlorobenzene, 1,2-	SNL0093684	LWDS-05-BH14	32.5	23-MAR-94	8270	330	U	330	F
Dichlorobenzene, 1,2-	SNL0093491	LWDS-05-BH11	35	20-MAR-94	8270	330	U	330	F
Dichlorobenzene, 1,2-	SNL0093408	LWDS-05-BH12	35	21-MAR-94	8270	330	U	330	F
Dichlorobenzene, 1,2-	SNL0093318	LWDS-05-BH13	35	22-MAR-94	8270	330	U	330	F
Dichlorobenzene, 1,2-	SNL0093688	LWDS-05-BH14	35	23-MAR-94	8270	330	U	330	F
Dichlorobenzene, 1,2-	SNL0093589	LWDS-05-BH11	37.5	20-MAR-94	8270	330	U	330	F
Dichlorobenzene, 1,2-	SNL0093416	LWDS-05-BH12	37.5	21-MAR-94	8270	330	U	330	F
Dichlorobenzene, 1,2-	SNL0093326	LWDS-05-BH13	37.5	22-MAR-94	8270	330	U	330	F
Dichlorobenzene, 1,2-	SNL0093692	LWDS-05-BH14	37.5	23-MAR-94	8270	330	U	330	F
Dichlorobenzene, 1,2-	SNL0091265	LWDS-MW1	39	22-AUG-92	8270	330	U	330	F
Dichlorobenzene, 1,2-	SNL0093499	LWDS-05-BH11	40	20-MAR-94	8270	330	U	330	F
Dichlorobenzene, 1,2-	SNL0093424	LWDS-05-BH12	40	21-MAR-94	8270	330	U	330	F
Dichlorobenzene, 1,2-	SNL0093334	LWDS-05-BH13	40	22-MAR-94	8270	330	U	330	F
Dichlorobenzene, 1,2-	SNL0093625	LWDS-05-BH14	40	23-MAR-94	8270	330	U	330	F
Dichlorobenzene, 1,2-	SNL0093507	LWDS-05-BH11	42.5	20-MAR-94	8270	330	U	330	F
Dichlorobenzene, 1,2-	SNL0093515	LWDS-05-BH11	45	20-MAR-94	8270	330	U	330	F
Dichlorobenzene, 1,2-	SNL0093432	LWDS-05-BH12	45	21-MAR-94	8270	330	U	330	F
Dichlorobenzene, 1,2-	SNL0093342	LWDS-05-BH13	45	22-MAR-94	8270	330	U	330	F
Dichlorobenzene, 1,2-	SNL0093629	LWDS-05-BH14	45	23-MAR-94	8270	330	U	330	F
Dichlorobenzene, 1,2-	SNL0093523	LWDS-05-BH11	47.5	20-MAR-94	8270	330	U	330	F
Dichlorobenzene, 1,2-	SNL0093531	LWDS-05-BH11	50	20-MAR-94	8270	330	U	330	F
Dichlorobenzene, 1,2-	SNL0093440	LWDS-05-BH12	50	21-MAR-94	8270	330	U	330	F
Dichlorobenzene, 1,2-	SNL0093350	LWDS-05-BH13	50	22-MAR-94	8270	330	U	330	F
Dichlorobenzene, 1,2-	SNL0093358	LWDS-05-BH13	50	22-MAR-94	8270	330	U	330	F
Dichlorobenzene, 1,2-	SNL0093633	LWDS-05-BH14	50	23-MAR-94	8270	330	U	330	F
Dichlorobenzene, 1,2-	SNL0091269	LWDS-MW1	50	22-AUG-92	8270	330	U	330	D
Dichlorobenzene, 1,2-	SNL0091267	LWDS-MW1	50	22-AUG-92	8270	330	U	330	F
Dichlorobenzene, 1,2-	SNL0093539	LWDS-05-BH11	55	20-MAR-94	8270	330	U	330	F
Dichlorobenzene, 1,2-	SNL0093456	LWDS-05-BH12	55	21-MAR-94	8270	330	U	330	D
Dichlorobenzene, 1,2-	SNL0093448	LWDS-05-BH12	55	21-MAR-94	8270	330	U	330	F
Dichlorobenzene, 1,2-	SNL0093366	LWDS-05-BH13	55	22-MAR-94	8270	330	U	330	F
Dichlorobenzene, 1,2-	SNL0093637	LWDS-05-BH14	55	23-MAR-94	8270	330	U	330	F
Dichlorobenzene, 1,2-	SNL0093547	LWDS-05-BH11	60	20-MAR-94	8270	330	U	330	F
Dichlorobenzene, 1,2-	SNL0093645	LWDS-05-BH14	60	23-MAR-94	8270	330	U	330	D
Dichlorobenzene, 1,2-	SNL0093641	LWDS-05-BH14	60	23-MAR-94	8270	330	U	330	F
Dichlorobenzene, 1,2-	SNL0091271	LWDS-MW1	60	22-AUG-92	8270	330	U	330	F

Table A-5: Organics analyses of soil samples from ER Site 5.

Analyte	Sample Number	Sample Location	Sample Depth (Ft)	Sample Date	Analytical Method	Amount Detected (ug/kg)	Qualifier	Method Detection Limit	Sample Type
Dichlorobenzene, 1,2-	SNL0093555	LWDS-05-BH11	65	20-MAR-94	8270	330	U	330	F
Dichlorobenzene, 1,2-	SNL0091278	LWDS-MW1	68	23-AUG-92	8270	330	U	330	F
Dichlorobenzene, 1,2-	SNL0093571	LWDS-05-BH11	70	20-MAR-94	8270	330	U	330	D
Dichlorobenzene, 1,2-	SNL0093563	LWDS-05-BH11	70	20-MAR-94	8270	330	U	330	F
Dichlorobenzene, 1,2-	SNL0091280	LWDS-MW1	80	23-AUG-92	8270	330	U	330	F
Dichlorobenzene, 1,2-	SNL0091284	LWDS-MW1	89	23-AUG-92	8270	330	U	330	D
Dichlorobenzene, 1,2-	SNL0091282	LWDS-MW1	89	23-AUG-92	8270	330	U	330	F
Dichlorobenzene, 1,2-	SNL0091286	LWDS-MW1	102	24-AUG-92	8270	330	U	330	F
Dichlorobenzene, 1,2-	SNL0091288	LWDS-MW1	110	24-AUG-92	8270	330	U	330	F
Dichlorobenzene, 1,2-	SNL0091290	LWDS-MW1	110	24-AUG-92	8270	330	U	330	F
Dichlorobenzene, 1,2-	SNL0091295	LWDS-MW1	120	25-AUG-92	8270	330	U	330	F
Dichlorobenzene, 1,2-	SNL0091297	LWDS-MW1	130	25-AUG-92	8270	330	U	330	F
Dichlorobenzene, 1,2-	SNL0091583	LWDS-MW1	143	02-SEP-92	8270	330	U	330	F
Dichlorobenzene, 1,2-	SNL0091585	LWDS-MW1	150	02-SEP-92	8270	330	U	330	F
Dichlorobenzene, 1,2-	SNL0092988	LWDS-MW1	176	06-APR-93	8270	330	U	330	F
Dichlorobenzene, 1,2-	SNL0092998	LWDS-MW1	202	08-APR-93	8270	330	U	330	F
Dichlorobenzene, 1,2-	SNL0093012	LWDS-MW1	226	13-APR-93	8270	330	U	330	F
Dichlorobenzene, 1,2-	SNL0093022	LWDS-MW1	250	14-APR-93	8270	330	U	330	F
Dichlorobenzene, 1,2-	SNL0093034	LWDS-MW1	274	15-APR-93	8270	330	U	330	F
Dichlorobenzene, 1,2-	SNL0093054	LWDS-MW1	315	17-APR-93	8270	330	U	330	F
Dichlorobenzene, 1,2-	SNL0093066	LWDS-MW1	346	19-APR-93	8270	330	U	330	F
Dichlorobenzene, 1,2-	SNL0093044	LWDS-MW1	346	19-APR-93	8270	330	U	330	D
Dichlorobenzene, 1,2-	SNL0093078	LWDS-MW1	390	21-APR-93	8270	330	U	330	F
Dichlorobenzene, 1,2-	SNL0093101	LWDS-MW1	444	27-APR-93	8270	330	U	330	F
Dichlorobenzene, 1,3-	SNL0093720	LWDS-05-BH13	0	29-MAR-94	8270	330	U	330	F
Dichlorobenzene, 1,3-	SNL0093091	LWDS-MW1	0	21-APR-93	8270	330	U	330	F
Dichlorobenzene, 1,3-	SNL0093123	LWDS-MW1	0	30-APR-93	8270	330	U	330	F
Dichlorobenzene, 1,3-	SNL0091259	LWDS-MW1	12	22-AUG-92	8270	330	U	330	F
Dichlorobenzene, 1,3-	SNL0091261	LWDS-MW1	21	22-AUG-92	8270	330	U	330	F
Dichlorobenzene, 1,3-	SNL0093474	LWDS-05-BH11	25	20-MAR-94	8270	330	U	330	F
Dichlorobenzene, 1,3-	SNL0093384	LWDS-05-BH12	25	21-MAR-94	8270	330	U	330	F
Dichlorobenzene, 1,3-	SNL0093294	LWDS-05-BH13	25	22-MAR-94	8270	330	U	330	F
Dichlorobenzene, 1,3-	SNL0093676	LWDS-05-BH14	25	23-MAR-94	8270	330	U	330	F
Dichlorobenzene, 1,3-	SNL0093482	LWDS-05-BH11	30	20-MAR-94	8270	330	U	330	F
Dichlorobenzene, 1,3-	SNL0093392	LWDS-05-BH12	30	21-MAR-94	8270	330	U	330	F
Dichlorobenzene, 1,3-	SNL0093302	LWDS-05-BH13	30	22-MAR-94	8270	330	U	330	F
Dichlorobenzene, 1,3-	SNL0093680	LWDS-05-BH14	30	23-MAR-94	8270	330	U	330	F
Dichlorobenzene, 1,3-	SNL0091263	LWDS-MW1	30	22-AUG-92	8270	330	U	330	F
Dichlorobenzene, 1,3-	SNL0093400	LWDS-05-BH12	32.5	21-MAR-94	8270	330	U	330	F
Dichlorobenzene, 1,3-	SNL0093310	LWDS-05-BH13	32.5	22-MAR-94	8270	330	U	330	F
Dichlorobenzene, 1,3-	SNL0093684	LWDS-05-BH14	32.5	23-MAR-94	8270	330	U	330	F
Dichlorobenzene, 1,3-	SNL0093491	LWDS-05-BH11	35	20-MAR-94	8270	330	U	330	F
Dichlorobenzene, 1,3-	SNL0093408	LWDS-05-BH12	35	21-MAR-94	8270	330	U	330	F
Dichlorobenzene, 1,3-	SNL0093318	LWDS-05-BH13	35	22-MAR-94	8270	330	U	330	F
Dichlorobenzene, 1,3-	SNL0093688	LWDS-05-BH14	35	23-MAR-94	8270	330	U	330	F
Dichlorobenzene, 1,3-	SNL0093589	LWDS-05-BH11	37.5	20-MAR-94	8270	330	U	330	F
Dichlorobenzene, 1,3-	SNL0093416	LWDS-05-BH12	37.5	21-MAR-94	8270	330	U	330	F
Dichlorobenzene, 1,3-	SNL0093326	LWDS-05-BH13	37.5	22-MAR-94	8270	330	U	330	F
Dichlorobenzene, 1,3-	SNL0093692	LWDS-05-BH14	37.5	23-MAR-94	8270	330	U	330	F
Dichlorobenzene, 1,3-	SNL0091265	LWDS-MW1	39	22-AUG-92	8270	330	U	330	F
Dichlorobenzene, 1,3-	SNL0093499	LWDS-05-BH11	40	20-MAR-94	8270	330	U	330	F
Dichlorobenzene, 1,3-	SNL0093424	LWDS-05-BH12	40	21-MAR-94	8270	330	U	330	F
Dichlorobenzene, 1,3-	SNL0093334	LWDS-05-BH13	40	22-MAR-94	8270	330	U	330	F
Dichlorobenzene, 1,3-	SNL0093625	LWDS-05-BH14	40	23-MAR-94	8270	330	U	330	F
Dichlorobenzene, 1,3-	SNL0093507	LWDS-05-BH11	42.5	20-MAR-94	8270	330	U	330	F
Dichlorobenzene, 1,3-	SNL0093515	LWDS-05-BH11	45	20-MAR-94	8270	330	U	330	F
Dichlorobenzene, 1,3-	SNL0093432	LWDS-05-BH12	45	21-MAR-94	8270	330	U	330	F
Dichlorobenzene, 1,3-	SNL0093342	LWDS-05-BH13	45	22-MAR-94	8270	330	U	330	F
Dichlorobenzene, 1,3-	SNL0093629	LWDS-05-BH14	45	23-MAR-94	8270	330	U	330	F
Dichlorobenzene, 1,3-	SNL0093523	LWDS-05-BH11	47.5	20-MAR-94	8270	330	U	330	F
Dichlorobenzene, 1,3-	SNL0093531	LWDS-05-BH11	50	20-MAR-94	8270	330	U	330	F
Dichlorobenzene, 1,3-	SNL0093440	LWDS-05-BH12	50	21-MAR-94	8270	330	U	330	F
Dichlorobenzene, 1,3-	SNL0093350	LWDS-05-BH13	50	22-MAR-94	8270	330	U	330	F
Dichlorobenzene, 1,3-	SNL0093358	LWDS-05-BH13	50	22-MAR-94	8270	330	U	330	F
Dichlorobenzene, 1,3-	SNL0093633	LWDS-05-BH14	50	23-MAR-94	8270	330	U	330	F
Dichlorobenzene, 1,3-	SNL0091269	LWDS-MW1	50	22-AUG-92	8270	330	U	330	D
Dichlorobenzene, 1,3-	SNL0091267	LWDS-MW1	50	22-AUG-92	8270	330	U	330	F

Table A-5: Organics analyses of soil samples from ER Site 5.

Analyte	Sample Number	Sample Location	Sample Depth (Ft)	Sample Date	Analytical Method	Amount Detected (ug/kg)	Qualifier	Method Detection Limit	Sample Type
Dichlorobenzene, 1,3-	SNL0093539	LWDS-05-BH11	55	20-MAR-94	8270	330	U	330	F
Dichlorobenzene, 1,3-	SNL0093456	LWDS-05-BH12	55	21-MAR-94	8270	330	U	330	D
Dichlorobenzene, 1,3-	SNL0093448	LWDS-05-BH12	55	21-MAR-94	8270	330	U	330	F
Dichlorobenzene, 1,3-	SNL0093366	LWDS-05-BH13	55	22-MAR-94	8270	330	U	330	F
Dichlorobenzene, 1,3-	SNL0093637	LWDS-05-BH14	55	23-MAR-94	8270	330	U	330	F
Dichlorobenzene, 1,3-	SNL0093547	LWDS-05-BH11	60	20-MAR-94	8270	330	U	330	F
Dichlorobenzene, 1,3-	SNL0093645	LWDS-05-BH14	60	23-MAR-94	8270	330	U	330	D
Dichlorobenzene, 1,3-	SNL0093641	LWDS-05-BH14	60	23-MAR-94	8270	330	U	330	F
Dichlorobenzene, 1,3-	SNL0091271	LWDS-MW1	60	22-AUG-92	8270	330	U	330	F
Dichlorobenzene, 1,3-	SNL0093555	LWDS-05-BH11	65	20-MAR-94	8270	330	U	330	F
Dichlorobenzene, 1,3-	SNL0091278	LWDS-MW1	68	23-AUG-92	8270	330	U	330	F
Dichlorobenzene, 1,3-	SNL0093571	LWDS-05-BH11	70	20-MAR-94	8270	330	U	330	D
Dichlorobenzene, 1,3-	SNL0093563	LWDS-05-BH11	70	20-MAR-94	8270	330	U	330	F
Dichlorobenzene, 1,3-	SNL0091280	LWDS-MW1	80	23-AUG-92	8270	330	U	330	F
Dichlorobenzene, 1,3-	SNL0091284	LWDS-MW1	89	23-AUG-92	8270	330	U	330	D
Dichlorobenzene, 1,3-	SNL0091282	LWDS-MW1	89	23-AUG-92	8270	330	U	330	F
Dichlorobenzene, 1,3-	SNL0091286	LWDS-MW1	102	24-AUG-92	8270	330	U	330	F
Dichlorobenzene, 1,3-	SNL0091288	LWDS-MW1	110	24-AUG-92	8270	330	U	330	F
Dichlorobenzene, 1,3-	SNL0091290	LWDS-MW1	110	24-AUG-92	8270	330	U	330	F
Dichlorobenzene, 1,3-	SNL0091295	LWDS-MW1	120	25-AUG-92	8270	330	U	330	F
Dichlorobenzene, 1,3-	SNL0091297	LWDS-MW1	130	25-AUG-92	8270	330	U	330	F
Dichlorobenzene, 1,3-	SNL0091583	LWDS-MW1	143	02-SEP-92	8270	330	U	330	F
Dichlorobenzene, 1,3-	SNL0091585	LWDS-MW1	150	02-SEP-92	8270	330	U	330	F
Dichlorobenzene, 1,3-	SNL0092988	LWDS-MW1	176	06-APR-93	8270	330	U	330	F
Dichlorobenzene, 1,3-	SNL0092998	LWDS-MW1	202	08-APR-93	8270	330	U	330	F
Dichlorobenzene, 1,3-	SNL0093012	LWDS-MW1	226	13-APR-93	8270	330	U	330	F
Dichlorobenzene, 1,3-	SNL0093022	LWDS-MW1	250	14-APR-93	8270	330	U	330	F
Dichlorobenzene, 1,3-	SNL0093034	LWDS-MW1	274	15-APR-93	8270	330	U	330	F
Dichlorobenzene, 1,3-	SNL0093054	LWDS-MW1	315	17-APR-93	8270	330	U	330	F
Dichlorobenzene, 1,3-	SNL0093066	LWDS-MW1	346	19-APR-93	8270	330	U	330	F
Dichlorobenzene, 1,3-	SNL0093044	LWDS-MW1	346	19-APR-93	8270	330	U	330	D
Dichlorobenzene, 1,3-	SNL0093078	LWDS-MW1	390	21-APR-93	8270	330	U	330	F
Dichlorobenzene, 1,3-	SNL0093101	LWDS-MW1	444	27-APR-93	8270	330	U	330	F
Dichlorobenzene, 1,4-	SNL0093720	LWDS-05-BH13	0	29-MAR-94	8270	330	U	330	F
Dichlorobenzene, 1,4-	SNL0093123	LWDS-MW1	0	30-APR-93	8270	330	U	330	F
Dichlorobenzene, 1,4-	SNL0093091	LWDS-MW1	0	21-APR-93	8270	330	U	330	F
Dichlorobenzene, 1,4-	SNL0091259	LWDS-MW1	12	22-AUG-92	8270	330	U	330	F
Dichlorobenzene, 1,4-	SNL0091261	LWDS-MW1	21	22-AUG-92	8270	330	U	330	F
Dichlorobenzene, 1,4-	SNL0093474	LWDS-05-BH11	25	20-MAR-94	8270	330	U	330	F
Dichlorobenzene, 1,4-	SNL0093384	LWDS-05-BH12	25	21-MAR-94	8270	330	U	330	F
Dichlorobenzene, 1,4-	SNL0093294	LWDS-05-BH13	25	22-MAR-94	8270	330	U	330	F
Dichlorobenzene, 1,4-	SNL0093676	LWDS-05-BH14	25	23-MAR-94	8270	330	U	330	F
Dichlorobenzene, 1,4-	SNL0093482	LWDS-05-BH11	30	20-MAR-94	8270	330	U	330	F
Dichlorobenzene, 1,4-	SNL0093392	LWDS-05-BH12	30	21-MAR-94	8270	330	U	330	F
Dichlorobenzene, 1,4-	SNL0093302	LWDS-05-BH13	30	22-MAR-94	8270	330	U	330	F
Dichlorobenzene, 1,4-	SNL0093680	LWDS-05-BH14	30	23-MAR-94	8270	330	U	330	F
Dichlorobenzene, 1,4-	SNL0091263	LWDS-MW1	30	22-AUG-92	8270	330	U	330	F
Dichlorobenzene, 1,4-	SNL0093400	LWDS-05-BH12	32.5	21-MAR-94	8270	330	U	330	F
Dichlorobenzene, 1,4-	SNL0093310	LWDS-05-BH13	32.5	22-MAR-94	8270	330	U	330	F
Dichlorobenzene, 1,4-	SNL0093684	LWDS-05-BH14	32.5	23-MAR-94	8270	330	U	330	F
Dichlorobenzene, 1,4-	SNL0093491	LWDS-05-BH11	35	20-MAR-94	8270	330	U	330	F
Dichlorobenzene, 1,4-	SNL0093408	LWDS-05-BH12	35	21-MAR-94	8270	330	U	330	F
Dichlorobenzene, 1,4-	SNL0093318	LWDS-05-BH13	35	22-MAR-94	8270	330	U	330	F
Dichlorobenzene, 1,4-	SNL0093688	LWDS-05-BH14	35	23-MAR-94	8270	330	U	330	F
Dichlorobenzene, 1,4-	SNL0093589	LWDS-05-BH11	37.5	20-MAR-94	8270	330	U	330	F
Dichlorobenzene, 1,4-	SNL0093416	LWDS-05-BH12	37.5	21-MAR-94	8270	330	U	330	F
Dichlorobenzene, 1,4-	SNL0093326	LWDS-05-BH13	37.5	22-MAR-94	8270	330	U	330	F
Dichlorobenzene, 1,4-	SNL0093692	LWDS-05-BH14	37.5	23-MAR-94	8270	330	U	330	F
Dichlorobenzene, 1,4-	SNL0091265	LWDS-MW1	39	22-AUG-92	8270	330	U	330	F
Dichlorobenzene, 1,4-	SNL0093499	LWDS-05-BH11	40	20-MAR-94	8270	330	U	330	F
Dichlorobenzene, 1,4-	SNL0093424	LWDS-05-BH12	40	21-MAR-94	8270	330	U	330	F
Dichlorobenzene, 1,4-	SNL0093334	LWDS-05-BH13	40	22-MAR-94	8270	330	U	330	F
Dichlorobenzene, 1,4-	SNL0093625	LWDS-05-BH14	40	23-MAR-94	8270	330	U	330	F
Dichlorobenzene, 1,4-	SNL0093507	LWDS-05-BH11	42.5	20-MAR-94	8270	330	U	330	F
Dichlorobenzene, 1,4-	SNL0093515	LWDS-05-BH11	45	20-MAR-94	8270	330	U	330	F
Dichlorobenzene, 1,4-	SNL0093432	LWDS-05-BH12	45	21-MAR-94	8270	330	U	330	F
Dichlorobenzene, 1,4-	SNL0093342	LWDS-05-BH13	45	22-MAR-94	8270	330	U	330	F

Table A-5: Organics analyses of soil samples from ER Site 5.

Analyte	Sample Number	Sample Location	Sample Depth (Ft)	Sample Date	Analytical Method	Amount Detected (ug/kg)	Qualifier	Method Detection Limit	Sample Type
Dichlorobenzene, 1,4-	SNL0093629	LWDS-05-BH14	45	23-MAR-94	8270	330	U	330	F
Dichlorobenzene, 1,4-	SNL0093523	LWDS-05-BH11	47.5	20-MAR-94	8270	330	U	330	F
Dichlorobenzene, 1,4-	SNL0093531	LWDS-05-BH11	50	20-MAR-94	8270	330	U	330	F
Dichlorobenzene, 1,4-	SNL0093440	LWDS-05-BH12	50	21-MAR-94	8270	330	U	330	F
Dichlorobenzene, 1,4-	SNL0093350	LWDS-05-BH13	50	22-MAR-94	8270	330	U	330	F
Dichlorobenzene, 1,4-	SNL0093358	LWDS-05-BH13	50	22-MAR-94	8270	330	U	330	F
Dichlorobenzene, 1,4-	SNL0093633	LWDS-05-BH14	50	23-MAR-94	8270	330	U	330	F
Dichlorobenzene, 1,4-	SNL0091269	LWDS-MW1	50	22-AUG-92	8270	330	U	330	D
Dichlorobenzene, 1,4-	SNL0091267	LWDS-MW1	50	22-AUG-92	8270	330	U	330	F
Dichlorobenzene, 1,4-	SNL0093539	LWDS-05-BH11	55	20-MAR-94	8270	330	U	330	F
Dichlorobenzene, 1,4-	SNL0093456	LWDS-05-BH12	55	21-MAR-94	8270	330	U	330	D
Dichlorobenzene, 1,4-	SNL0093448	LWDS-05-BH12	55	21-MAR-94	8270	330	U	330	F
Dichlorobenzene, 1,4-	SNL0093366	LWDS-05-BH13	55	22-MAR-94	8270	330	U	330	F
Dichlorobenzene, 1,4-	SNL0093637	LWDS-05-BH14	55	23-MAR-94	8270	330	U	330	F
Dichlorobenzene, 1,4-	SNL0093547	LWDS-05-BH11	60	20-MAR-94	8270	330	U	330	F
Dichlorobenzene, 1,4-	SNL0093645	LWDS-05-BH14	60	23-MAR-94	8270	330	U	330	D
Dichlorobenzene, 1,4-	SNL0093641	LWDS-05-BH14	60	23-MAR-94	8270	330	U	330	F
Dichlorobenzene, 1,4-	SNL0091271	LWDS-MW1	60	22-AUG-92	8270	330	U	330	F
Dichlorobenzene, 1,4-	SNL0093555	LWDS-05-BH11	65	20-MAR-94	8270	330	U	330	F
Dichlorobenzene, 1,4-	SNL0091278	LWDS-MW1	68	23-AUG-92	8270	330	U	330	F
Dichlorobenzene, 1,4-	SNL0093571	LWDS-05-BH11	70	20-MAR-94	8270	330	U	330	D
Dichlorobenzene, 1,4-	SNL0093563	LWDS-05-BH11	70	20-MAR-94	8270	330	U	330	F
Dichlorobenzene, 1,4-	SNL0091280	LWDS-MW1	80	23-AUG-92	8270	330	U	330	F
Dichlorobenzene, 1,4-	SNL0091284	LWDS-MW1	89	23-AUG-92	8270	330	U	330	D
Dichlorobenzene, 1,4-	SNL0091282	LWDS-MW1	89	23-AUG-92	8270	330	U	330	F
Dichlorobenzene, 1,4-	SNL0091286	LWDS-MW1	102	24-AUG-92	8270	330	U	330	F
Dichlorobenzene, 1,4-	SNL0091290	LWDS-MW1	110	24-AUG-92	8270	330	U	330	F
Dichlorobenzene, 1,4-	SNL0091288	LWDS-MW1	110	24-AUG-92	8270	330	U	330	F
Dichlorobenzene, 1,4-	SNL0091295	LWDS-MW1	120	25-AUG-92	8270	330	U	330	F
Dichlorobenzene, 1,4-	SNL0091297	LWDS-MW1	130	25-AUG-92	8270	330	U	330	F
Dichlorobenzene, 1,4-	SNL0091583	LWDS-MW1	143	02-SEP-92	8270	330	U	330	F
Dichlorobenzene, 1,4-	SNL0091585	LWDS-MW1	150	02-SEP-92	8270	330	U	330	F
Dichlorobenzene, 1,4-	SNL0092988	LWDS-MW1	176	06-APR-93	8270	330	U	330	F
Dichlorobenzene, 1,4-	SNL0092998	LWDS-MW1	202	08-APR-93	8270	330	U	330	F
Dichlorobenzene, 1,4-	SNL0093012	LWDS-MW1	226	13-APR-93	8270	330	U	330	F
Dichlorobenzene, 1,4-	SNL0093022	LWDS-MW1	250	14-APR-93	8270	330	U	330	F
Dichlorobenzene, 1,4-	SNL0093034	LWDS-MW1	274	15-APR-93	8270	330	U	330	F
Dichlorobenzene, 1,4-	SNL0093054	LWDS-MW1	315	17-APR-93	8270	330	U	330	F
Dichlorobenzene, 1,4-	SNL0093066	LWDS-MW1	346	19-APR-93	8270	330	U	330	F
Dichlorobenzene, 1,4-	SNL0093044	LWDS-MW1	346	19-APR-93	8270	330	U	330	D
Dichlorobenzene, 1,4-	SNL0093078	LWDS-MW1	390	21-APR-93	8270	330	U	330	F
Dichlorobenzene, 1,4-	SNL0093101	LWDS-MW1	444	27-APR-93	8270	330	U	330	F
Dichlorobenzidine, 3,3'-	SNL0093720	LWDS-05-BH13	0	29-MAR-94	8270	660	U	660	F
Dichlorobenzidine, 3,3'-	SNL0093123	LWDS-MW1	0	30-APR-93	8270	660	U	660	F
Dichlorobenzidine, 3,3'-	SNL0093091	LWDS-MW1	0	21-APR-93	8270	660	U	660	F
Dichlorobenzidine, 3,3'-	SNL0091259	LWDS-MW1	12	22-AUG-92	8270	660	U	660	F
Dichlorobenzidine, 3,3'-	SNL0091261	LWDS-MW1	21	22-AUG-92	8270	660	U	660	F
Dichlorobenzidine, 3,3'-	SNL0093474	LWDS-05-BH11	25	20-MAR-94	8270	660	U	660	F
Dichlorobenzidine, 3,3'-	SNL0093384	LWDS-05-BH12	25	21-MAR-94	8270	660	U	660	F
Dichlorobenzidine, 3,3'-	SNL0093294	LWDS-05-BH13	25	22-MAR-94	8270	660	U	660	F
Dichlorobenzidine, 3,3'-	SNL0093676	LWDS-05-BH14	25	23-MAR-94	8270	660	U	660	F
Dichlorobenzidine, 3,3'-	SNL0093482	LWDS-05-BH11	30	20-MAR-94	8270	660	U	660	F
Dichlorobenzidine, 3,3'-	SNL0093392	LWDS-05-BH12	30	21-MAR-94	8270	660	U	660	F
Dichlorobenzidine, 3,3'-	SNL0093302	LWDS-05-BH13	30	22-MAR-94	8270	660	U	660	F
Dichlorobenzidine, 3,3'-	SNL0093680	LWDS-05-BH14	30	23-MAR-94	8270	660	U	660	F
Dichlorobenzidine, 3,3'-	SNL0091263	LWDS-MW1	30	22-AUG-92	8270	660	U	660	F
Dichlorobenzidine, 3,3'-	SNL0093400	LWDS-05-BH12	32.5	21-MAR-94	8270	660	U	660	F
Dichlorobenzidine, 3,3'-	SNL0093310	LWDS-05-BH13	32.5	22-MAR-94	8270	660	U	660	F
Dichlorobenzidine, 3,3'-	SNL0093684	LWDS-05-BH14	32.5	23-MAR-94	8270	660	U	660	F
Dichlorobenzidine, 3,3'-	SNL0093491	LWDS-05-BH11	35	20-MAR-94	8270	660	U	660	F
Dichlorobenzidine, 3,3'-	SNL0093408	LWDS-05-BH12	35	21-MAR-94	8270	660	U	660	F
Dichlorobenzidine, 3,3'-	SNL0093318	LWDS-05-BH13	35	22-MAR-94	8270	660	U	660	F
Dichlorobenzidine, 3,3'-	SNL0093688	LWDS-05-BH14	35	23-MAR-94	8270	660	U	660	F
Dichlorobenzidine, 3,3'-	SNL0093589	LWDS-05-BH11	37.5	20-MAR-94	8270	660	U	660	F
Dichlorobenzidine, 3,3'-	SNL0093416	LWDS-05-BH12	37.5	21-MAR-94	8270	660	U	660	F
Dichlorobenzidine, 3,3'-	SNL0093326	LWDS-05-BH13	37.5	22-MAR-94	8270	660	U	660	F
Dichlorobenzidine, 3,3'-	SNL0093692	LWDS-05-BH14	37.5	23-MAR-94	8270	660	U	660	F

Table A-5: Organics analyses of soil samples from ER Site 5.

Analyte	Sample Number	Sample Location	Sample Depth (Ft)	Sample Date	Analytical Method	Amount Detected (ug/kg)	Qualifier	Method Detection Limit	Sample Type
Dichlorobenzidine, 3,3'-	SNL0091265	LWDS-MW1	39	22-AUG-92	8270	660	U	660	F
Dichlorobenzidine, 3,3'-	SNL0093499	LWDS-05-BH11	40	20-MAR-94	8270	660	U	660	F
Dichlorobenzidine, 3,3'-	SNL0093424	LWDS-05-BH12	40	21-MAR-94	8270	660	U	660	F
Dichlorobenzidine, 3,3'-	SNL0093334	LWDS-05-BH13	40	22-MAR-94	8270	660	U	660	F
Dichlorobenzidine, 3,3'-	SNL0093625	LWDS-05-BH14	40	23-MAR-94	8270	660	U	660	F
Dichlorobenzidine, 3,3'-	SNL0093507	LWDS-05-BH11	42.5	20-MAR-94	8270	660	U	660	F
Dichlorobenzidine, 3,3'-	SNL0093515	LWDS-05-BH11	45	20-MAR-94	8270	660	U	660	F
Dichlorobenzidine, 3,3'-	SNL0093432	LWDS-05-BH12	45	21-MAR-94	8270	660	U	660	F
Dichlorobenzidine, 3,3'-	SNL0093342	LWDS-05-BH13	45	22-MAR-94	8270	660	U	660	F
Dichlorobenzidine, 3,3'-	SNL0093629	LWDS-05-BH14	45	23-MAR-94	8270	660	U	660	F
Dichlorobenzidine, 3,3'-	SNL0093523	LWDS-05-BH11	47.5	20-MAR-94	8270	660	U	660	F
Dichlorobenzidine, 3,3'-	SNL0093531	LWDS-05-BH11	50	20-MAR-94	8270	660	U	660	F
Dichlorobenzidine, 3,3'-	SNL0093440	LWDS-05-BH12	50	21-MAR-94	8270	660	U	660	F
Dichlorobenzidine, 3,3'-	SNL0093350	LWDS-05-BH13	50	22-MAR-94	8270	660	U	660	F
Dichlorobenzidine, 3,3'-	SNL0093358	LWDS-05-BH13	50	22-MAR-94	8270	660	U	660	F
Dichlorobenzidine, 3,3'-	SNL0093633	LWDS-05-BH14	50	23-MAR-94	8270	660	U	660	F
Dichlorobenzidine, 3,3'-	SNL0091269	LWDS-MW1	50	22-AUG-92	8270	660	U	660	D
Dichlorobenzidine, 3,3'-	SNL0091267	LWDS-MW1	50	22-AUG-92	8270	660	U	660	F
Dichlorobenzidine, 3,3'-	SNL0093539	LWDS-05-BH11	55	20-MAR-94	8270	660	U	660	F
Dichlorobenzidine, 3,3'-	SNL0093456	LWDS-05-BH12	55	21-MAR-94	8270	660	U	660	D
Dichlorobenzidine, 3,3'-	SNL0093448	LWDS-05-BH12	55	21-MAR-94	8270	660	U	660	F
Dichlorobenzidine, 3,3'-	SNL0093366	LWDS-05-BH13	55	22-MAR-94	8270	660	U	660	F
Dichlorobenzidine, 3,3'-	SNL0093637	LWDS-05-BH14	55	23-MAR-94	8270	660	U	660	F
Dichlorobenzidine, 3,3'-	SNL0093547	LWDS-05-BH11	60	20-MAR-94	8270	660	U	660	F
Dichlorobenzidine, 3,3'-	SNL0093641	LWDS-05-BH14	60	23-MAR-94	8270	660	U	660	F
Dichlorobenzidine, 3,3'-	SNL0093645	LWDS-05-BH14	60	23-MAR-94	8270	660	U	660	D
Dichlorobenzidine, 3,3'-	SNL0091271	LWDS-MW1	60	22-AUG-92	8270	660	U	660	F
Dichlorobenzidine, 3,3'-	SNL0093555	LWDS-05-BH11	65	20-MAR-94	8270	660	U	660	F
Dichlorobenzidine, 3,3'-	SNL0091278	LWDS-MW1	68	23-AUG-92	8270	660	U	660	F
Dichlorobenzidine, 3,3'-	SNL0093571	LWDS-05-BH11	70	20-MAR-94	8270	660	U	660	D
Dichlorobenzidine, 3,3'-	SNL0093563	LWDS-05-BH11	70	20-MAR-94	8270	660	U	660	F
Dichlorobenzidine, 3,3'-	SNL0091280	LWDS-MW1	80	23-AUG-92	8270	660	U	660	F
Dichlorobenzidine, 3,3'-	SNL0091284	LWDS-MW1	89	23-AUG-92	8270	660	U	660	D
Dichlorobenzidine, 3,3'-	SNL0091282	LWDS-MW1	89	23-AUG-92	8270	660	U	660	F
Dichlorobenzidine, 3,3'-	SNL0091286	LWDS-MW1	102	24-AUG-92	8270	660	U	660	F
Dichlorobenzidine, 3,3'-	SNL0091288	LWDS-MW1	110	24-AUG-92	8270	660	U	660	F
Dichlorobenzidine, 3,3'-	SNL0091290	LWDS-MW1	110	24-AUG-92	8270	660	U	660	F
Dichlorobenzidine, 3,3'-	SNL0091295	LWDS-MW1	120	25-AUG-92	8270	660	U	660	F
Dichlorobenzidine, 3,3'-	SNL0091297	LWDS-MW1	130	25-AUG-92	8270	660	U	660	F
Dichlorobenzidine, 3,3'-	SNL0091583	LWDS-MW1	143	02-SEP-92	8270	660	U	660	F
Dichlorobenzidine, 3,3'-	SNL0091585	LWDS-MW1	150	02-SEP-92	8270	660	U	660	F
Dichlorobenzidine, 3,3'-	SNL0092988	LWDS-MW1	176	06-APR-93	8270	660	U	660	F
Dichlorobenzidine, 3,3'-	SNL0092998	LWDS-MW1	202	08-APR-93	8270	660	U	660	F
Dichlorobenzidine, 3,3'-	SNL0093012	LWDS-MW1	226	13-APR-93	8270	660	U	660	F
Dichlorobenzidine, 3,3'-	SNL0093022	LWDS-MW1	250	14-APR-93	8270	660	U	660	F
Dichlorobenzidine, 3,3'-	SNL0093034	LWDS-MW1	274	15-APR-93	8270	660	U	660	F
Dichlorobenzidine, 3,3'-	SNL0093054	LWDS-MW1	315	17-APR-93	8270	660	U	660	F
Dichlorobenzidine, 3,3'-	SNL0093044	LWDS-MW1	346	19-APR-93	8270	660	U	660	D
Dichlorobenzidine, 3,3'-	SNL0093066	LWDS-MW1	346	19-APR-93	8270	660	U	660	F
Dichlorobenzidine, 3,3'-	SNL0093078	LWDS-MW1	390	21-APR-93	8270	660	U	660	F
Dichlorobenzidine, 3,3'-	SNL0093101	LWDS-MW1	444	27-APR-93	8270	660	U	660	F
Dichloroethane, 1,1-	SNL0093572	LWDS-05-BH11	0	20-MAR-94	8240	5	U	5	TB
Dichloroethane, 1,1-	SNL0093466	LWDS-05-BH12	0	21-MAR-94	8240	5	U	5	TB
Dichloroethane, 1,1-	SNL0093375	LWDS-05-BH13	0	22-MAR-94	8240	5	U	5	TB
Dichloroethane, 1,1-	SNL0093717	LWDS-05-BH13	0	29-MAR-94	8240	5	U	5	F
Dichloroethane, 1,1-	SNL0093655	LWDS-05-BH14	0	23-MAR-94	8240	5	U	5	TB
Dichloroethane, 1,1-	SNL0093115	LWDS-MW1	0	30-APR-93	8240	5	U	5	F
Dichloroethane, 1,1-	SNL0093083	LWDS-MW1	0	21-APR-93	8240	5	U	5	F
Dichloroethane, 1,1-	SNL0091258	LWDS-MW1	12	22-AUG-92	8240	5	U	5	F
Dichloroethane, 1,1-	SNL0091260	LWDS-MW1	21	22-AUG-92	8240	5	U	5	F
Dichloroethane, 1,1-	SNL0093467	LWDS-05-BH11	25	20-MAR-94	8240	5	U	5	F
Dichloroethane, 1,1-	SNL0093377	LWDS-05-BH12	25	21-MAR-94	8240	5	U	5	F
Dichloroethane, 1,1-	SNL0093287	LWDS-05-BH13	25	22-MAR-94	8240	5	U	5	F
Dichloroethane, 1,1-	SNL0093673	LWDS-05-BH14	25	23-MAR-94	8240	5	U	5	F
Dichloroethane, 1,1-	SNL0093475	LWDS-05-BH11	30	20-MAR-94	8240	5	U	5	F
Dichloroethane, 1,1-	SNL0093385	LWDS-05-BH12	30	21-MAR-94	8240	5	U	5	F
Dichloroethane, 1,1-	SNL0093295	LWDS-05-BH13	30	22-MAR-94	8240	5	U	5	F

Table A-5: Organics analyses of soil samples from ER Site 5.

Analyte	Sample Number	Sample Location	Sample Depth (Ft)	Sample Date	Analytical Method	Amount Detected (ug/kg)	Qualifier	Method Detection Limit	Sample Type
Dichloroethane, 1,1-	SNL0093677	LWDS-05-BH14	30	23-MAR-94	8240	5	U	5	F
Dichloroethane, 1,1-	SNL0091262	LWDS-MW1	30	22-AUG-92	8240	5	U	5	F
Dichloroethane, 1,1-	SNL0093483	LWDS-05-BH11	32.5	20-MAR-94	8240	5	U	5	F
Dichloroethane, 1,1-	SNL0093393	LWDS-05-BH12	32.5	21-MAR-94	8240	5	U	5	F
Dichloroethane, 1,1-	SNL0093303	LWDS-05-BH13	32.5	22-MAR-94	8240	5	U	5	F
Dichloroethane, 1,1-	SNL0093681	LWDS-05-BH14	32.5	23-MAR-94	8240	5	U	5	F
Dichloroethane, 1,1-	SNL0093484	LWDS-05-BH11	35	20-MAR-94	8240	5	U	5	F
Dichloroethane, 1,1-	SNL0093401	LWDS-05-BH12	35	21-MAR-94	8240	5	U	5	F
Dichloroethane, 1,1-	SNL0093311	LWDS-05-BH13	35	22-MAR-94	8240	5	U	5	F
Dichloroethane, 1,1-	SNL0093685	LWDS-05-BH14	35	23-MAR-94	8240	5	U	5	F
Dichloroethane, 1,1-	SNL0093582	LWDS-05-BH11	37.5	20-MAR-94	8240	5	U	5	F
Dichloroethane, 1,1-	SNL0093409	LWDS-05-BH12	37.5	21-MAR-94	8240	5	U	5	F
Dichloroethane, 1,1-	SNL0093319	LWDS-05-BH13	37.5	22-MAR-94	8240	5	U	5	F
Dichloroethane, 1,1-	SNL0093689	LWDS-05-BH14	37.5	23-MAR-94	8240	5	U	5	F
Dichloroethane, 1,1-	SNL0091264	LWDS-MW1	39	22-AUG-92	8240	5	U	5	F
Dichloroethane, 1,1-	SNL0093492	LWDS-05-BH11	40	20-MAR-94	8240	5	U	5	F
Dichloroethane, 1,1-	SNL0093417	LWDS-05-BH12	40	21-MAR-94	8240	5	U	5	F
Dichloroethane, 1,1-	SNL0093327	LWDS-05-BH13	40	22-MAR-94	8240	5	U	5	F
Dichloroethane, 1,1-	SNL0093693	LWDS-05-BH14	40	23-MAR-94	8240	5	U	5	F
Dichloroethane, 1,1-	SNL0093500	LWDS-05-BH11	42.5	20-MAR-94	8240	5	U	5	F
Dichloroethane, 1,1-	SNL0093508	LWDS-05-BH11	45	20-MAR-94	8240	5	U	5	F
Dichloroethane, 1,1-	SNL0093425	LWDS-05-BH12	45	21-MAR-94	8240	5	U	5	F
Dichloroethane, 1,1-	SNL0093335	LWDS-05-BH13	45	22-MAR-94	8240	5	U	5	F
Dichloroethane, 1,1-	SNL0093626	LWDS-05-BH14	45	23-MAR-94	8240	5	U	5	F
Dichloroethane, 1,1-	SNL0093516	LWDS-05-BH11	47.5	20-MAR-94	8240	5	U	5	F
Dichloroethane, 1,1-	SNL0093524	LWDS-05-BH11	50	20-MAR-94	8240	5	U	5	F
Dichloroethane, 1,1-	SNL0093433	LWDS-05-BH12	50	21-MAR-94	8240	5	U	5	F
Dichloroethane, 1,1-	SNL0093351	LWDS-05-BH13	50	22-MAR-94	8240	5	U	5	D
Dichloroethane, 1,1-	SNL0093343	LWDS-05-BH13	50	22-MAR-94	8240	5	U	5	F
Dichloroethane, 1,1-	SNL0093630	LWDS-05-BH14	50	23-MAR-94	8240	5	U	5	F
Dichloroethane, 1,1-	SNL0091268	LWDS-MW1	50	22-AUG-92	8240	5	U	5	D
Dichloroethane, 1,1-	SNL0091266	LWDS-MW1	50	22-AUG-92	8240	5	U	5	F
Dichloroethane, 1,1-	SNL0093532	LWDS-05-BH11	55	20-MAR-94	8240	5	U	5	F
Dichloroethane, 1,1-	SNL0093449	LWDS-05-BH12	55	21-MAR-94	8240	5	U	5	D
Dichloroethane, 1,1-	SNL0093441	LWDS-05-BH12	55	21-MAR-94	8240	5	U	5	F
Dichloroethane, 1,1-	SNL0093359	LWDS-05-BH13	55	22-MAR-94	8240	5	U	5	F
Dichloroethane, 1,1-	SNL0093634	LWDS-05-BH14	55	23-MAR-94	8240	5	U	5	F
Dichloroethane, 1,1-	SNL0093540	LWDS-05-BH11	60	20-MAR-94	8240	5	U	5	F
Dichloroethane, 1,1-	SNL0093642	LWDS-05-BH14	60	23-MAR-94	8240	5	U	5	D
Dichloroethane, 1,1-	SNL0093638	LWDS-05-BH14	60	23-MAR-94	8240	5	U	5	F
Dichloroethane, 1,1-	SNL0091270	LWDS-MW1	60	22-AUG-92	8240	5	U	5	F
Dichloroethane, 1,1-	SNL0093548	LWDS-05-BH11	65	20-MAR-94	8240	5	U	5	F
Dichloroethane, 1,1-	SNL0091277	LWDS-MW1	68	23-AUG-92	8240	5	U	5	F
Dichloroethane, 1,1-	SNL0093564	LWDS-05-BH11	70	20-MAR-94	8240	5	U	5	D
Dichloroethane, 1,1-	SNL0093556	LWDS-05-BH11	70	20-MAR-94	8240	5	U	5	F
Dichloroethane, 1,1-	SNL0091279	LWDS-MW1	80	23-AUG-92	8240	5	U	5	F
Dichloroethane, 1,1-	SNL0091283	LWDS-MW1	89	23-AUG-92	8240	5	U	5	D
Dichloroethane, 1,1-	SNL0091281	LWDS-MW1	89	23-AUG-92	8240	5	U	5	F
Dichloroethane, 1,1-	SNL0091285	LWDS-MW1	102	24-AUG-92	8240	5	U	5	F
Dichloroethane, 1,1-	SNL0091287	LWDS-MW1	110	24-AUG-92	8240	5	U	5	F
Dichloroethane, 1,1-	SNL0091289	LWDS-MW1	110	24-AUG-92	8240	5	U	5	F
Dichloroethane, 1,1-	SNL0091294	LWDS-MW1	120	25-AUG-92	8240	5	U	5	F
Dichloroethane, 1,1-	SNL0091296	LWDS-MW1	130	25-AUG-92	8240	5	U	5	F
Dichloroethane, 1,1-	SNL0091582	LWDS-MW1	143	02-SEP-92	8240	5	U	5	F
Dichloroethane, 1,1-	SNL0091584	LWDS-MW1	150	02-SEP-92	8240	5	U	5	F
Dichloroethane, 1,1-	SNL0092980	LWDS-MW1	176	06-APR-93	8240	5	U	5	F
Dichloroethane, 1,1-	SNL0092990	LWDS-MW1	202	08-APR-93	8240	5	U	5	F
Dichloroethane, 1,1-	SNL0093004	LWDS-MW1	226	13-APR-93	8240	5	U	5	F
Dichloroethane, 1,1-	SNL0093014	LWDS-MW1	250	14-APR-93	8240	5	U	5	F
Dichloroethane, 1,1-	SNL0093026	LWDS-MW1	274	15-APR-93	8240	5	U	5	F
Dichloroethane, 1,1-	SNL0093046	LWDS-MW1	315	17-APR-93	8240	5	U	5	F
Dichloroethane, 1,1-	SNL0093058	LWDS-MW1	346	19-APR-93	8240	5	U	5	F
Dichloroethane, 1,1-	SNL0093036	LWDS-MW1	346	19-APR-93	8240	5	U	5	D
Dichloroethane, 1,1-	SNL0093070	LWDS-MW1	390	21-APR-93	8240	5	U	5	F
Dichloroethane, 1,1-	SNL0093093	LWDS-MW1	444	27-APR-93	8240	5	U	5	F
Dichloroethane, 1,2-	SNL0093572	LWDS-05-BH11	0	20-MAR-94	8240	5	U	5	TB
Dichloroethane, 1,2-	SNL0093466	LWDS-05-BH12	0	21-MAR-94	8240	5	U	5	TB

Table A-5: Organics analyses of soil samples from ER Site 5.

Analyte	Sample Number	Sample Location	Sample Depth (Ft)	Sample Date	Analytical Method	Amount Detected (ug/kg)	Qualifier	Method Detection Limit	Sample Type
Dichloroethane, 1,2-	SNL0093375	LWDS-05-BH13	0	22-MAR-94	8240	5	U	5	TB
Dichloroethane, 1,2-	SNL0093717	LWDS-05-BH13	0	29-MAR-94	8240	5	U	5	F
Dichloroethane, 1,2-	SNL0093655	LWDS-05-BH14	0	23-MAR-94	8240	5	U	5	TB
Dichloroethane, 1,2-	SNL0093083	LWDS-MW1	0	21-APR-93	8240	5	U	5	F
Dichloroethane, 1,2-	SNL0093115	LWDS-MW1	0	30-APR-93	8240	5	U	5	F
Dichloroethane, 1,2-	SNL0091258	LWDS-MW1	12	22-AUG-92	8240	5	U	5	F
Dichloroethane, 1,2-	SNL0091260	LWDS-MW1	21	22-AUG-92	8240	5	U	5	F
Dichloroethane, 1,2-	SNL0093467	LWDS-05-BH11	25	20-MAR-94	8240	5	U	5	F
Dichloroethane, 1,2-	SNL0093377	LWDS-05-BH12	25	21-MAR-94	8240	5	U	5	F
Dichloroethane, 1,2-	SNL0093287	LWDS-05-BH13	25	22-MAR-94	8240	5	U	5	F
Dichloroethane, 1,2-	SNL0093673	LWDS-05-BH14	25	23-MAR-94	8240	5	U	5	F
Dichloroethane, 1,2-	SNL0093475	LWDS-05-BH11	30	20-MAR-94	8240	5	U	5	F
Dichloroethane, 1,2-	SNL0093385	LWDS-05-BH12	30	21-MAR-94	8240	5	U	5	F
Dichloroethane, 1,2-	SNL0093295	LWDS-05-BH13	30	22-MAR-94	8240	5	U	5	F
Dichloroethane, 1,2-	SNL0093677	LWDS-05-BH14	30	23-MAR-94	8240	5	U	5	F
Dichloroethane, 1,2-	SNL0091262	LWDS-MW1	30	22-AUG-92	8240	5	U	5	F
Dichloroethane, 1,2-	SNL0093483	LWDS-05-BH11	32.5	20-MAR-94	8240	5	U	5	F
Dichloroethane, 1,2-	SNL0093393	LWDS-05-BH12	32.5	21-MAR-94	8240	5	U	5	F
Dichloroethane, 1,2-	SNL0093303	LWDS-05-BH13	32.5	22-MAR-94	8240	5	U	5	F
Dichloroethane, 1,2-	SNL0093681	LWDS-05-BH14	32.5	23-MAR-94	8240	5	U	5	F
Dichloroethane, 1,2-	SNL0093484	LWDS-05-BH11	35	20-MAR-94	8240	5	U	5	F
Dichloroethane, 1,2-	SNL0093401	LWDS-05-BH12	35	21-MAR-94	8240	5	U	5	F
Dichloroethane, 1,2-	SNL0093311	LWDS-05-BH13	35	22-MAR-94	8240	5	U	5	F
Dichloroethane, 1,2-	SNL0093685	LWDS-05-BH14	35	23-MAR-94	8240	5	U	5	F
Dichloroethane, 1,2-	SNL0093582	LWDS-05-BH11	37.5	20-MAR-94	8240	5	U	5	F
Dichloroethane, 1,2-	SNL0093409	LWDS-05-BH12	37.5	21-MAR-94	8240	5	U	5	F
Dichloroethane, 1,2-	SNL0093319	LWDS-05-BH13	37.5	22-MAR-94	8240	5	U	5	F
Dichloroethane, 1,2-	SNL0093689	LWDS-05-BH14	37.5	23-MAR-94	8240	5	U	5	F
Dichloroethane, 1,2-	SNL0091264	LWDS-MW1	39	22-AUG-92	8240	5	U	5	F
Dichloroethane, 1,2-	SNL0093492	LWDS-05-BH11	40	20-MAR-94	8240	5	U	5	F
Dichloroethane, 1,2-	SNL0093417	LWDS-05-BH12	40	21-MAR-94	8240	5	U	5	F
Dichloroethane, 1,2-	SNL0093327	LWDS-05-BH13	40	22-MAR-94	8240	5	U	5	F
Dichloroethane, 1,2-	SNL0093693	LWDS-05-BH14	40	23-MAR-94	8240	5	U	5	F
Dichloroethane, 1,2-	SNL0093500	LWDS-05-BH11	42.5	20-MAR-94	8240	5	U	5	F
Dichloroethane, 1,2-	SNL0093508	LWDS-05-BH11	45	20-MAR-94	8240	5	U	5	F
Dichloroethane, 1,2-	SNL0093425	LWDS-05-BH12	45	21-MAR-94	8240	5	U	5	F
Dichloroethane, 1,2-	SNL0093335	LWDS-05-BH13	45	22-MAR-94	8240	5	U	5	F
Dichloroethane, 1,2-	SNL0093626	LWDS-05-BH14	45	23-MAR-94	8240	5	U	5	F
Dichloroethane, 1,2-	SNL0093516	LWDS-05-BH11	47.5	20-MAR-94	8240	5	U	5	F
Dichloroethane, 1,2-	SNL0093524	LWDS-05-BH11	50	20-MAR-94	8240	5	U	5	F
Dichloroethane, 1,2-	SNL0093433	LWDS-05-BH12	50	21-MAR-94	8240	5	U	5	F
Dichloroethane, 1,2-	SNL0093351	LWDS-05-BH13	50	22-MAR-94	8240	5	U	5	D
Dichloroethane, 1,2-	SNL0093343	LWDS-05-BH13	50	22-MAR-94	8240	5	U	5	F
Dichloroethane, 1,2-	SNL0093630	LWDS-05-BH14	50	23-MAR-94	8240	5	U	5	F
Dichloroethane, 1,2-	SNL0091268	LWDS-MW1	50	22-AUG-92	8240	5	U	5	D
Dichloroethane, 1,2-	SNL0091266	LWDS-MW1	50	22-AUG-92	8240	5	U	5	F
Dichloroethane, 1,2-	SNL0093532	LWDS-05-BH11	55	20-MAR-94	8240	5	U	5	F
Dichloroethane, 1,2-	SNL0093449	LWDS-05-BH12	55	21-MAR-94	8240	5	U	5	D
Dichloroethane, 1,2-	SNL0093441	LWDS-05-BH12	55	21-MAR-94	8240	5	U	5	F
Dichloroethane, 1,2-	SNL0093359	LWDS-05-BH13	55	22-MAR-94	8240	5	U	5	F
Dichloroethane, 1,2-	SNL0093634	LWDS-05-BH14	55	23-MAR-94	8240	5	U	5	F
Dichloroethane, 1,2-	SNL0093540	LWDS-05-BH11	60	20-MAR-94	8240	5	U	5	F
Dichloroethane, 1,2-	SNL0093642	LWDS-05-BH14	60	23-MAR-94	8240	5	U	5	D
Dichloroethane, 1,2-	SNL0093638	LWDS-05-BH14	60	23-MAR-94	8240	5	U	5	F
Dichloroethane, 1,2-	SNL0091270	LWDS-MW1	60	22-AUG-92	8240	5	U	5	F
Dichloroethane, 1,2-	SNL0093548	LWDS-05-BH11	65	20-MAR-94	8240	5	U	5	F
Dichloroethane, 1,2-	SNL0091277	LWDS-MW1	68	23-AUG-92	8240	5	U	5	F
Dichloroethane, 1,2-	SNL0093564	LWDS-05-BH11	70	20-MAR-94	8240	5	U	5	D
Dichloroethane, 1,2-	SNL0093556	LWDS-05-BH11	70	20-MAR-94	8240	5	U	5	F
Dichloroethane, 1,2-	SNL0091279	LWDS-MW1	80	23-AUG-92	8240	5	U	5	F
Dichloroethane, 1,2-	SNL0091283	LWDS-MW1	89	23-AUG-92	8240	5	U	5	D
Dichloroethane, 1,2-	SNL0091281	LWDS-MW1	89	23-AUG-92	8240	5	U	5	F
Dichloroethane, 1,2-	SNL0091285	LWDS-MW1	102	24-AUG-92	8240	5	U	5	F
Dichloroethane, 1,2-	SNL0091289	LWDS-MW1	110	24-AUG-92	8240	5	U	5	F
Dichloroethane, 1,2-	SNL0091287	LWDS-MW1	110	24-AUG-92	8240	5	U	5	F
Dichloroethane, 1,2-	SNL0091294	LWDS-MW1	120	25-AUG-92	8240	5	U	5	F
Dichloroethane, 1,2-	SNL0091296	LWDS-MW1	130	25-AUG-92	8240	5	U	5	F

Table A-5: Organics analyses of soil samples from ER Site 5.

Analyte	Sample Number	Sample Location	Sample Depth (Ft)	Sample Date	Analytical Method	Amount Detected (ug/kg)	Qualifier	Method Detection Limit	Sample Type
Dichloroethane, 1,2-	SNL0091582	LWDS-MW1	143	02-SEP-92	8240	5	U	5	F
Dichloroethane, 1,2-	SNL0091584	LWDS-MW1	150	02-SEP-92	8240	5	U	5	F
Dichloroethane, 1,2-	SNL0092980	LWDS-MW1	176	06-APR-93	8240	5	U	5	F
Dichloroethane, 1,2-	SNL0092990	LWDS-MW1	202	08-APR-93	8240	5	U	5	F
Dichloroethane, 1,2-	SNL0093004	LWDS-MW1	226	13-APR-93	8240	5	U	5	F
Dichloroethane, 1,2-	SNL0093014	LWDS-MW1	250	14-APR-93	8240	5	U	5	F
Dichloroethane, 1,2-	SNL0093026	LWDS-MW1	274	15-APR-93	8240	5	U	5	F
Dichloroethane, 1,2-	SNL0093046	LWDS-MW1	315	17-APR-93	8240	5	U	5	F
Dichloroethane, 1,2-	SNL0093036	LWDS-MW1	346	19-APR-93	8240	5	U	5	D
Dichloroethane, 1,2-	SNL0093058	LWDS-MW1	346	19-APR-93	8240	5	U	5	F
Dichloroethane, 1,2-	SNL0093070	LWDS-MW1	390	21-APR-93	8240	5	U	5	F
Dichloroethane, 1,2-	SNL0093093	LWDS-MW1	444	27-APR-93	8240	5	U	5	F
Dichloroethene, 1,1-	SNL0093572	LWDS-05-BH11	0	20-MAR-94	8240	5	U	5	TB
Dichloroethene, 1,1-	SNL0093466	LWDS-05-BH12	0	21-MAR-94	8240	5	U	5	TB
Dichloroethene, 1,1-	SNL0093717	LWDS-05-BH13	0	29-MAR-94	8240	5	U	5	F
Dichloroethene, 1,1-	SNL0093375	LWDS-05-BH13	0	22-MAR-94	8240	5	U	5	TB
Dichloroethene, 1,1-	SNL0093655	LWDS-05-BH14	0	23-MAR-94	8240	5	U	5	TB
Dichloroethene, 1,1-	SNL0093115	LWDS-MW1	0	30-APR-93	8240	5	U	5	F
Dichloroethene, 1,1-	SNL0093083	LWDS-MW1	0	21-APR-93	8240	5	U	5	F
Dichloroethene, 1,1-	SNL0091258	LWDS-MW1	12	22-AUG-92	8240	5	U	5	F
Dichloroethene, 1,1-	SNL0091260	LWDS-MW1	21	22-AUG-92	8240	5	U	5	F
Dichloroethene, 1,1-	SNL0093467	LWDS-05-BH11	25	20-MAR-94	8240	5	U	5	F
Dichloroethene, 1,1-	SNL0093377	LWDS-05-BH12	25	21-MAR-94	8240	5	U	5	F
Dichloroethene, 1,1-	SNL0093287	LWDS-05-BH13	25	22-MAR-94	8240	5	U	5	F
Dichloroethene, 1,1-	SNL0093673	LWDS-05-BH14	25	23-MAR-94	8240	5	U	5	F
Dichloroethene, 1,1-	SNL0093475	LWDS-05-BH11	30	20-MAR-94	8240	5	U	5	F
Dichloroethene, 1,1-	SNL0093385	LWDS-05-BH12	30	21-MAR-94	8240	5	U	5	F
Dichloroethene, 1,1-	SNL0093295	LWDS-05-BH13	30	22-MAR-94	8240	5	U	5	F
Dichloroethene, 1,1-	SNL0093677	LWDS-05-BH14	30	23-MAR-94	8240	5	U	5	F
Dichloroethene, 1,1-	SNL0091262	LWDS-MW1	30	22-AUG-92	8240	5	U	5	F
Dichloroethene, 1,1-	SNL0093483	LWDS-05-BH11	32.5	20-MAR-94	8240	5	U	5	F
Dichloroethene, 1,1-	SNL0093393	LWDS-05-BH12	32.5	21-MAR-94	8240	5	U	5	F
Dichloroethene, 1,1-	SNL0093303	LWDS-05-BH13	32.5	22-MAR-94	8240	5	U	5	F
Dichloroethene, 1,1-	SNL0093681	LWDS-05-BH14	32.5	23-MAR-94	8240	5	U	5	F
Dichloroethene, 1,1-	SNL0093484	LWDS-05-BH11	35	20-MAR-94	8240	5	U	5	F
Dichloroethene, 1,1-	SNL0093401	LWDS-05-BH12	35	21-MAR-94	8240	5	U	5	F
Dichloroethene, 1,1-	SNL0093311	LWDS-05-BH13	35	22-MAR-94	8240	5	U	5	F
Dichloroethene, 1,1-	SNL0093685	LWDS-05-BH14	35	23-MAR-94	8240	5	U	5	F
Dichloroethene, 1,1-	SNL0093582	LWDS-05-BH11	37.5	20-MAR-94	8240	5	U	5	F
Dichloroethene, 1,1-	SNL0093409	LWDS-05-BH12	37.5	21-MAR-94	8240	5	U	5	F
Dichloroethene, 1,1-	SNL0093319	LWDS-05-BH13	37.5	22-MAR-94	8240	5	U	5	F
Dichloroethene, 1,1-	SNL0093689	LWDS-05-BH14	37.5	23-MAR-94	8240	5	U	5	F
Dichloroethene, 1,1-	SNL0091264	LWDS-MW1	39	22-AUG-92	8240	5	U	5	F
Dichloroethene, 1,1-	SNL0093492	LWDS-05-BH11	40	20-MAR-94	8240	5	U	5	F
Dichloroethene, 1,1-	SNL0093417	LWDS-05-BH12	40	21-MAR-94	8240	5	U	5	F
Dichloroethene, 1,1-	SNL0093327	LWDS-05-BH13	40	22-MAR-94	8240	5	U	5	F
Dichloroethene, 1,1-	SNL0093693	LWDS-05-BH14	40	23-MAR-94	8240	5	U	5	F
Dichloroethene, 1,1-	SNL0093500	LWDS-05-BH11	42.5	20-MAR-94	8240	5	U	5	F
Dichloroethene, 1,1-	SNL0093508	LWDS-05-BH11	45	20-MAR-94	8240	5	U	5	F
Dichloroethene, 1,1-	SNL0093425	LWDS-05-BH12	45	21-MAR-94	8240	5	U	5	F
Dichloroethene, 1,1-	SNL0093335	LWDS-05-BH13	45	22-MAR-94	8240	5	U	5	F
Dichloroethene, 1,1-	SNL0093626	LWDS-05-BH14	45	23-MAR-94	8240	5	U	5	F
Dichloroethene, 1,1-	SNL0093516	LWDS-05-BH11	47.5	20-MAR-94	8240	5	U	5	F
Dichloroethene, 1,1-	SNL0093524	LWDS-05-BH11	50	20-MAR-94	8240	5	U	5	F
Dichloroethene, 1,1-	SNL0093433	LWDS-05-BH12	50	21-MAR-94	8240	5	U	5	F
Dichloroethene, 1,1-	SNL0093351	LWDS-05-BH13	50	22-MAR-94	8240	5	U	5	D
Dichloroethene, 1,1-	SNL0093343	LWDS-05-BH13	50	22-MAR-94	8240	5	U	5	F
Dichloroethene, 1,1-	SNL0093630	LWDS-05-BH14	50	23-MAR-94	8240	5	U	5	F
Dichloroethene, 1,1-	SNL0091268	LWDS-MW1	50	22-AUG-92	8240	5	U	5	D
Dichloroethene, 1,1-	SNL0091266	LWDS-MW1	50	22-AUG-92	8240	5	U	5	F
Dichloroethene, 1,1-	SNL0093532	LWDS-05-BH11	55	20-MAR-94	8240	5	U	5	F
Dichloroethene, 1,1-	SNL0093441	LWDS-05-BH12	55	21-MAR-94	8240	5	U	5	F
Dichloroethene, 1,1-	SNL0093449	LWDS-05-BH12	55	21-MAR-94	8240	5	U	5	D
Dichloroethene, 1,1-	SNL0093359	LWDS-05-BH13	55	22-MAR-94	8240	5	U	5	F
Dichloroethene, 1,1-	SNL0093634	LWDS-05-BH14	55	23-MAR-94	8240	5	U	5	F
Dichloroethene, 1,1-	SNL0093540	LWDS-05-BH11	60	20-MAR-94	8240	5	U	5	F
Dichloroethene, 1,1-	SNL0093642	LWDS-05-BH14	60	23-MAR-94	8240	5	U	5	D

Table A-5: Organics analyses of soil samples from ER Site 5.

Analyte	Sample Number	Sample Location	Sample Depth (Ft)	Sample Date	Analytical Method	Amount Detected (ug/kg)	Qualifier	Method Detection Limit	Sample Type
Dichloroethene, 1,1-	SNL0093638	LWDS-05-BH14	60	23-MAR-94	8240	5	U	5	F
Dichloroethene, 1,1-	SNL0091270	LWDS-MW1	60	22-AUG-92	8240	5	U	5	F
Dichloroethene, 1,1-	SNL0093548	LWDS-05-BH11	65	20-MAR-94	8240	5	U	5	F
Dichloroethene, 1,1-	SNL0091277	LWDS-MW1	68	23-AUG-92	8240	5	U	5	F
Dichloroethene, 1,1-	SNL0093564	LWDS-05-BH11	70	20-MAR-94	8240	5	U	5	D
Dichloroethene, 1,1-	SNL0093556	LWDS-05-BH11	70	20-MAR-94	8240	5	U	5	F
Dichloroethene, 1,1-	SNL0091279	LWDS-MW1	80	23-AUG-92	8240	5	U	5	F
Dichloroethene, 1,1-	SNL0091283	LWDS-MW1	89	23-AUG-92	8240	5	U	5	D
Dichloroethene, 1,1-	SNL0091281	LWDS-MW1	89	23-AUG-92	8240	5	U	5	F
Dichloroethene, 1,1-	SNL0091285	LWDS-MW1	102	24-AUG-92	8240	5	U	5	F
Dichloroethene, 1,1-	SNL0091287	LWDS-MW1	110	24-AUG-92	8240	5	U	5	F
Dichloroethene, 1,1-	SNL0091289	LWDS-MW1	110	24-AUG-92	8240	5	U	5	F
Dichloroethene, 1,1-	SNL0091294	LWDS-MW1	120	25-AUG-92	8240	5	U	5	F
Dichloroethene, 1,1-	SNL0091296	LWDS-MW1	130	25-AUG-92	8240	5	U	5	F
Dichloroethene, 1,1-	SNL0091582	LWDS-MW1	143	02-SEP-92	8240	5	U	5	F
Dichloroethene, 1,1-	SNL0091584	LWDS-MW1	150	02-SEP-92	8240	5	U	5	F
Dichloroethene, 1,1-	SNL0092980	LWDS-MW1	176	06-APR-93	8240	5	U	5	F
Dichloroethene, 1,1-	SNL0092990	LWDS-MW1	202	08-APR-93	8240	5	U	5	F
Dichloroethene, 1,1-	SNL0093004	LWDS-MW1	226	13-APR-93	8240	5	U	5	F
Dichloroethene, 1,1-	SNL0093014	LWDS-MW1	250	14-APR-93	8240	5	U	5	F
Dichloroethene, 1,1-	SNL0093026	LWDS-MW1	274	15-APR-93	8240	5	U	5	F
Dichloroethene, 1,1-	SNL0093046	LWDS-MW1	315	17-APR-93	8240	5	U	5	F
Dichloroethene, 1,1-	SNL0093058	LWDS-MW1	346	19-APR-93	8240	5	U	5	F
Dichloroethene, 1,1-	SNL0093036	LWDS-MW1	346	19-APR-93	8240	5	U	5	D
Dichloroethene, 1,1-	SNL0093070	LWDS-MW1	390	21-APR-93	8240	5	U	5	F
Dichloroethene, 1,1-	SNL0093093	LWDS-MW1	444	27-APR-93	8240	5	U	5	F
Dichloroethene, 1,2-	SNL0093572	LWDS-05-BH11	0	20-MAR-94	8240	5	U	5	TB
Dichloroethene, 1,2-	SNL0093466	LWDS-05-BH12	0	21-MAR-94	8240	5	U	5	TB
Dichloroethene, 1,2-	SNL0093375	LWDS-05-BH13	0	22-MAR-94	8240	5	U	5	TB
Dichloroethene, 1,2-	SNL0093717	LWDS-05-BH13	0	29-MAR-94	8240	5	U	5	F
Dichloroethene, 1,2-	SNL0093655	LWDS-05-BH14	0	23-MAR-94	8240	5	U	5	TB
Dichloroethene, 1,2-	SNL0093115	LWDS-MW1	0	30-APR-93	8240	5	U	5	F
Dichloroethene, 1,2-	SNL0093083	LWDS-MW1	0	21-APR-93	8240	5	U	5	F
Dichloroethene, 1,2-	SNL0091258	LWDS-MW1	12	22-AUG-92	8240	5	U	5	F
Dichloroethene, 1,2-	SNL0091260	LWDS-MW1	21	22-AUG-92	8240	5	U	5	F
Dichloroethene, 1,2-	SNL0093467	LWDS-05-BH11	25	20-MAR-94	8240	5	U	5	F
Dichloroethene, 1,2-	SNL0093377	LWDS-05-BH12	25	21-MAR-94	8240	5	U	5	F
Dichloroethene, 1,2-	SNL0093287	LWDS-05-BH13	25	22-MAR-94	8240	5	U	5	F
Dichloroethene, 1,2-	SNL0093673	LWDS-05-BH14	25	23-MAR-94	8240	5	U	5	F
Dichloroethene, 1,2-	SNL0093475	LWDS-05-BH11	30	20-MAR-94	8240	5	U	5	F
Dichloroethene, 1,2-	SNL0093385	LWDS-05-BH12	30	21-MAR-94	8240	5	U	5	F
Dichloroethene, 1,2-	SNL0093295	LWDS-05-BH13	30	22-MAR-94	8240	5	U	5	F
Dichloroethene, 1,2-	SNL0093677	LWDS-05-BH14	30	23-MAR-94	8240	5	U	5	F
Dichloroethene, 1,2-	SNL0091262	LWDS-MW1	30	22-AUG-92	8240	5	U	5	F
Dichloroethene, 1,2-	SNL0093483	LWDS-05-BH11	32.5	20-MAR-94	8240	5	U	5	F
Dichloroethene, 1,2-	SNL0093393	LWDS-05-BH12	32.5	21-MAR-94	8240	5	U	5	F
Dichloroethene, 1,2-	SNL0093303	LWDS-05-BH13	32.5	22-MAR-94	8240	5	U	5	F
Dichloroethene, 1,2-	SNL0093681	LWDS-05-BH14	32.5	23-MAR-94	8240	5	U	5	F
Dichloroethene, 1,2-	SNL0093484	LWDS-05-BH11	35	20-MAR-94	8240	5	U	5	F
Dichloroethene, 1,2-	SNL0093401	LWDS-05-BH12	35	21-MAR-94	8240	5	U	5	F
Dichloroethene, 1,2-	SNL0093311	LWDS-05-BH13	35	22-MAR-94	8240	5	U	5	F
Dichloroethene, 1,2-	SNL0093685	LWDS-05-BH14	35	23-MAR-94	8240	5	U	5	F
Dichloroethene, 1,2-	SNL0093582	LWDS-05-BH11	37.5	20-MAR-94	8240	5	U	5	F
Dichloroethene, 1,2-	SNL0093409	LWDS-05-BH12	37.5	21-MAR-94	8240	5	U	5	F
Dichloroethene, 1,2-	SNL0093319	LWDS-05-BH13	37.5	22-MAR-94	8240	5	U	5	F
Dichloroethene, 1,2-	SNL0093689	LWDS-05-BH14	37.5	23-MAR-94	8240	5	U	5	F
Dichloroethene, 1,2-	SNL0091264	LWDS-MW1	39	22-AUG-92	8240	5	U	5	F
Dichloroethene, 1,2-	SNL0093492	LWDS-05-BH11	40	20-MAR-94	8240	5	U	5	F
Dichloroethene, 1,2-	SNL0093417	LWDS-05-BH12	40	21-MAR-94	8240	5	U	5	F
Dichloroethene, 1,2-	SNL0093327	LWDS-05-BH13	40	22-MAR-94	8240	5	U	5	F
Dichloroethene, 1,2-	SNL0093693	LWDS-05-BH14	40	23-MAR-94	8240	5	U	5	F
Dichloroethene, 1,2-	SNL0093500	LWDS-05-BH11	42.5	20-MAR-94	8240	5	U	5	F
Dichloroethene, 1,2-	SNL0093508	LWDS-05-BH11	45	20-MAR-94	8240	5	U	5	F
Dichloroethene, 1,2-	SNL0093425	LWDS-05-BH12	45	21-MAR-94	8240	5	U	5	F
Dichloroethene, 1,2-	SNL0093335	LWDS-05-BH13	45	22-MAR-94	8240	5	U	5	F
Dichloroethene, 1,2-	SNL0093626	LWDS-05-BH14	45	23-MAR-94	8240	5	U	5	F
Dichloroethene, 1,2-	SNL0093516	LWDS-05-BH11	47.5	20-MAR-94	8240	5	U	5	F

Table A-5: Organics analyses of soil samples from ER Site 5.

Analyte	Sample Number	Sample Location	Sample Depth (Ft)	Sample Date	Analytical Method	Amount Detected (ug/kg)	Qualifier	Method Detection Limit	Sample Type
Dichloroethene, 1,2-	SNL0093524	LWDS-05-BH11	50	20-MAR-94	8240	5	U	5	F
Dichloroethene, 1,2-	SNL0093433	LWDS-05-BH12	50	21-MAR-94	8240	5	U	5	F
Dichloroethene, 1,2-	SNL0093343	LWDS-05-BH13	50	22-MAR-94	8240	5	U	5	F
Dichloroethene, 1,2-	SNL0093351	LWDS-05-BH13	50	22-MAR-94	8240	5	U	5	D
Dichloroethene, 1,2-	SNL0093630	LWDS-05-BH14	50	23-MAR-94	8240	5	U	5	F
Dichloroethene, 1,2-	SNL0091268	LWDS-MW1	50	22-AUG-92	8240	5	U	5	D
Dichloroethene, 1,2-	SNL0091266	LWDS-MW1	50	22-AUG-92	8240	5	U	5	F
Dichloroethene, 1,2-	SNL0093532	LWDS-05-BH11	55	20-MAR-94	8240	5	U	5	F
Dichloroethene, 1,2-	SNL0093449	LWDS-05-BH12	55	21-MAR-94	8240	5	U	5	D
Dichloroethene, 1,2-	SNL0093441	LWDS-05-BH12	55	21-MAR-94	8240	5	U	5	F
Dichloroethene, 1,2-	SNL0093359	LWDS-05-BH13	55	22-MAR-94	8240	5	U	5	F
Dichloroethene, 1,2-	SNL0093634	LWDS-05-BH14	55	23-MAR-94	8240	5	U	5	F
Dichloroethene, 1,2-	SNL0093540	LWDS-05-BH11	60	20-MAR-94	8240	5	U	5	F
Dichloroethene, 1,2-	SNL0093642	LWDS-05-BH14	60	23-MAR-94	8240	5	U	5	D
Dichloroethene, 1,2-	SNL0093638	LWDS-05-BH14	60	23-MAR-94	8240	5	U	5	F
Dichloroethene, 1,2-	SNL0091270	LWDS-MW1	60	22-AUG-92	8240	5	U	5	F
Dichloroethene, 1,2-	SNL0093548	LWDS-05-BH11	65	20-MAR-94	8240	5	U	5	F
Dichloroethene, 1,2-	SNL0091277	LWDS-MW1	68	23-AUG-92	8240	5	U	5	F
Dichloroethene, 1,2-	SNL0093564	LWDS-05-BH11	70	20-MAR-94	8240	5	U	5	D
Dichloroethene, 1,2-	SNL0093556	LWDS-05-BH11	70	20-MAR-94	8240	5	U	5	F
Dichloroethene, 1,2-	SNL0091279	LWDS-MW1	80	23-AUG-92	8240	5	U	5	F
Dichloroethene, 1,2-	SNL0091283	LWDS-MW1	89	23-AUG-92	8240	5	U	5	D
Dichloroethene, 1,2-	SNL0091281	LWDS-MW1	89	23-AUG-92	8240	5	U	5	F
Dichloroethene, 1,2-	SNL0091285	LWDS-MW1	102	24-AUG-92	8240	5	U	5	F
Dichloroethene, 1,2-	SNL0091289	LWDS-MW1	110	24-AUG-92	8240	5	U	5	F
Dichloroethene, 1,2-	SNL0091287	LWDS-MW1	110	24-AUG-92	8240	5	U	5	F
Dichloroethene, 1,2-	SNL0091294	LWDS-MW1	120	25-AUG-92	8240	5	U	5	F
Dichloroethene, 1,2-	SNL0091296	LWDS-MW1	130	25-AUG-92	8240	5	U	5	F
Dichloroethene, 1,2-	SNL0091582	LWDS-MW1	143	02-SEP-92	8240	5	U	5	F
Dichloroethene, 1,2-	SNL0091584	LWDS-MW1	150	02-SEP-92	8240	5	U	5	F
Dichloroethene, 1,2-	SNL0092980	LWDS-MW1	176	06-APR-93	8240	5	U	5	F
Dichloroethene, 1,2-	SNL0092990	LWDS-MW1	202	08-APR-93	8240	5	U	5	F
Dichloroethene, 1,2-	SNL0093004	LWDS-MW1	226	13-APR-93	8240	5	U	5	F
Dichloroethene, 1,2-	SNL0093014	LWDS-MW1	250	14-APR-93	8240	5	U	5	F
Dichloroethene, 1,2-	SNL0093026	LWDS-MW1	274	15-APR-93	8240	5	U	5	F
Dichloroethene, 1,2-	SNL0093046	LWDS-MW1	315	17-APR-93	8240	5	U	5	F
Dichloroethene, 1,2-	SNL0093058	LWDS-MW1	346	19-APR-93	8240	5	U	5	F
Dichloroethene, 1,2-	SNL0093036	LWDS-MW1	346	19-APR-93	8240	5	U	5	D
Dichloroethene, 1,2-	SNL0093070	LWDS-MW1	390	21-APR-93	8240	5	U	5	F
Dichloroethene, 1,2-	SNL0093093	LWDS-MW1	444	27-APR-93	8240	5	U	5	F
loromethane-methylene chl	SNL0093572	LWDS-05-BH11	0	20-MAR-94	8240	1.7	J	5	TB
loromethane-methylene chl	SNL0093466	LWDS-05-BH12	0	21-MAR-94	8240	2.9	BJ	5	TB
loromethane-methylene chl	SNL0093375	LWDS-05-BH13	0	22-MAR-94	8240	3	BJ	5	TB
loromethane-methylene chl	SNL0093717	LWDS-05-BH13	0	29-MAR-94	8240	4.8	BJ	5	F
loromethane-methylene chl	SNL0093655	LWDS-05-BH14	0	23-MAR-94	8240	3.5	BJ	5	TB
loromethane-methylene chl	SNL0093115	LWDS-MW1	0	30-APR-93	8240	1.4	J	5	F
loromethane-methylene chl	SNL0093083	LWDS-MW1	0	21-APR-93	8240	5	U	5	F
loromethane-methylene chl	SNL0091258	LWDS-MW1	12	22-AUG-92	8240	7.3	B	5	F
loromethane-methylene chl	SNL0091260	LWDS-MW1	21	22-AUG-92	8240	7.4	B	5	F
loromethane-methylene chl	SNL0093467	LWDS-05-BH11	25	20-MAR-94	8240	3.5	J	5	F
loromethane-methylene chl	SNL0093377	LWDS-05-BH12	25	21-MAR-94	8240	2.4	J	5	F
loromethane-methylene chl	SNL0093287	LWDS-05-BH13	25	22-MAR-94	8240	2.6	BJ	5	F
loromethane-methylene chl	SNL0093673	LWDS-05-BH14	25	23-MAR-94	8240	3.2	BJ	5	F
loromethane-methylene chl	SNL0093475	LWDS-05-BH11	30	20-MAR-94	8240	2.3	J	5	F
loromethane-methylene chl	SNL0093385	LWDS-05-BH12	30	21-MAR-94	8240	2.3	J	5	F
loromethane-methylene chl	SNL0093295	LWDS-05-BH13	30	22-MAR-94	8240	2.5	BJ	5	F
loromethane-methylene chl	SNL0093677	LWDS-05-BH14	30	23-MAR-94	8240	3.4	BJ	5	F
loromethane-methylene chl	SNL0091262	LWDS-MW1	30	22-AUG-92	8240	5.8	B	5	F
loromethane-methylene chl	SNL0093483	LWDS-05-BH11	32.5	20-MAR-94	8240	3	J	5	F
loromethane-methylene chl	SNL0093393	LWDS-05-BH12	32.5	21-MAR-94	8240	5	U	5	F
loromethane-methylene chl	SNL0093303	LWDS-05-BH13	32.5	22-MAR-94	8240	2.3	BJ	5	F
loromethane-methylene chl	SNL0093681	LWDS-05-BH14	32.5	23-MAR-94	8240	3.3	BJ	5	F
loromethane-methylene chl	SNL0093484	LWDS-05-BH11	35	20-MAR-94	8240	3.9	J	5	F
loromethane-methylene chl	SNL0093401	LWDS-05-BH12	35	21-MAR-94	8240	2.8	BJ	5	F
loromethane-methylene chl	SNL0093311	LWDS-05-BH13	35	22-MAR-94	8240	3.3	BJ	5	F
loromethane-methylene chl	SNL0093685	LWDS-05-BH14	35	23-MAR-94	8240	3.4	BJ	5	F
loromethane-methylene chl	SNL0093582	LWDS-05-BH11	37.5	20-MAR-94	8240	1.6	J	5	F

Table A-5: Organics analyses of soil samples from ER Site 5.

Analyte	Sample Number	Sample Location	Sample Depth (Ft)	Sample Date	Analytical Method	Amount Detected (ug/kg)	Qualifier	Method Detection Limit	Sample Type
loromethane-methylene chl	SNL0093409	LWDS-05-BH12	37.5	21-MAR-94	8240	2.2	BJ	5	F
loromethane-methylene chl	SNL0093319	LWDS-05-BH13	37.5	22-MAR-94	8240	2.8	BJ	5	F
loromethane-methylene chl	SNL0093689	LWDS-05-BH14	37.5	23-MAR-94	8240	3.2	BJ	5	F
loromethane-methylene chl	SNL0091264	LWDS-MW1	39	22-AUG-92	8240	21	B	5	F
loromethane-methylene chl	SNL0093492	LWDS-05-BH11	40	20-MAR-94	8240	2	J	5	F
loromethane-methylene chl	SNL0093417	LWDS-05-BH12	40	21-MAR-94	8240	2.7	BJ	5	F
loromethane-methylene chl	SNL0093327	LWDS-05-BH13	40	22-MAR-94	8240	8.4	B	5	F
loromethane-methylene chl	SNL0093693	LWDS-05-BH14	40	23-MAR-94	8240	3.1	BJ	5	F
loromethane-methylene chl	SNL0093500	LWDS-05-BH11	42.5	20-MAR-94	8240	2	J	5	F
loromethane-methylene chl	SNL0093508	LWDS-05-BH11	45	20-MAR-94	8240	1.7	J	5	F
loromethane-methylene chl	SNL0093425	LWDS-05-BH12	45	21-MAR-94	8240	2.6	BJ	5	F
loromethane-methylene chl	SNL0093335	LWDS-05-BH13	45	22-MAR-94	8240	9.4	B	5	F
loromethane-methylene chl	SNL0093626	LWDS-05-BH14	45	23-MAR-94	8240	3.2	BJ	5	F
loromethane-methylene chl	SNL0093516	LWDS-05-BH11	47.5	20-MAR-94	8240	2.8	J	5	F
loromethane-methylene chl	SNL0093524	LWDS-05-BH11	50	20-MAR-94	8240	2.2	J	5	F
loromethane-methylene chl	SNL0093433	LWDS-05-BH12	50	21-MAR-94	8240	1.8	BJ	5	F
loromethane-methylene chl	SNL0093351	LWDS-05-BH13	50	22-MAR-94	8240	3.3	BJ	5	D
loromethane-methylene chl	SNL0093343	LWDS-05-BH13	50	22-MAR-94	8240	2.5	J	5	F
loromethane-methylene chl	SNL0093630	LWDS-05-BH14	50	23-MAR-94	8240	3.4	BJ	5	F
loromethane-methylene chl	SNL0091268	LWDS-MW1	50	22-AUG-92	8240	25	B	5	D
loromethane-methylene chl	SNL0091266	LWDS-MW1	50	22-AUG-92	8240	21	B	5	F
loromethane-methylene chl	SNL0093532	LWDS-05-BH11	55	20-MAR-94	8240	2.3	J	5	F
loromethane-methylene chl	SNL0093449	LWDS-05-BH12	55	21-MAR-94	8240	2	BJ	5	D
loromethane-methylene chl	SNL0093441	LWDS-05-BH12	55	21-MAR-94	8240	2.8	BJ	5	F
loromethane-methylene chl	SNL0093359	LWDS-05-BH13	55	22-MAR-94	8240	9.6	B	5	F
loromethane-methylene chl	SNL0093634	LWDS-05-BH14	55	23-MAR-94	8240	3.6	BJ	5	F
loromethane-methylene chl	SNL0093540	LWDS-05-BH11	60	20-MAR-94	8240	1.5	J	5	F
loromethane-methylene chl	SNL0093642	LWDS-05-BH14	60	23-MAR-94	8240	3.9	BJ	5	D
loromethane-methylene chl	SNL0093638	LWDS-05-BH14	60	23-MAR-94	8240	3.5	BJ	5	F
loromethane-methylene chl	SNL0091270	LWDS-MW1	60	22-AUG-92	8240	18	B	5	F
loromethane-methylene chl	SNL0093548	LWDS-05-BH11	65	20-MAR-94	8240	1.9	J	5	F
loromethane-methylene chl	SNL0091277	LWDS-MW1	68	23-AUG-92	8240	5	U	5	F
loromethane-methylene chl	SNL0093564	LWDS-05-BH11	70	20-MAR-94	8240	2	J	5	D
loromethane-methylene chl	SNL0093556	LWDS-05-BH11	70	20-MAR-94	8240	1.8	J	5	F
loromethane-methylene chl	SNL0091279	LWDS-MW1	80	23-AUG-92	8240	5	U	5	F
loromethane-methylene chl	SNL0091283	LWDS-MW1	89	23-AUG-92	8240	5.4	B	5	D
loromethane-methylene chl	SNL0091281	LWDS-MW1	89	23-AUG-92	8240	5	U	5	F
loromethane-methylene chl	SNL0091285	LWDS-MW1	102	24-AUG-92	8240	14	B	5	F
loromethane-methylene chl	SNL0091287	LWDS-MW1	110	24-AUG-92	8240	18	B	5	F
loromethane-methylene chl	SNL0091289	LWDS-MW1	110	24-AUG-92	8240	5.5	B	5	F
loromethane-methylene chl	SNL0091294	LWDS-MW1	120	25-AUG-92	8240	5	U	5	F
loromethane-methylene chl	SNL0091296	LWDS-MW1	130	25-AUG-92	8240	8.6		5	F
loromethane-methylene chl	SNL0091582	LWDS-MW1	143	02-SEP-92	8240	39	B	5	F
loromethane-methylene chl	SNL0091584	LWDS-MW1	150	02-SEP-92	8240	34	B	5	F
loromethane-methylene chl	SNL0092980	LWDS-MW1	176	06-APR-93	8240	3.1	BJ	5	F
loromethane-methylene chl	SNL0092990	LWDS-MW1	202	08-APR-93	8240	5	U	5	F
loromethane-methylene chl	SNL0093004	LWDS-MW1	226	13-APR-93	8240	1.1	BJ	5	F
loromethane-methylene chl	SNL0093014	LWDS-MW1	250	14-APR-93	8240	1.2	BJ	5	F
loromethane-methylene chl	SNL0093026	LWDS-MW1	274	15-APR-93	8240	5	U	5	F
loromethane-methylene chl	SNL0093046	LWDS-MW1	315	17-APR-93	8240	1.1	J	5	F
loromethane-methylene chl	SNL0093058	LWDS-MW1	346	19-APR-93	8240	5	U	5	F
loromethane-methylene chl	SNL0093036	LWDS-MW1	346	19-APR-93	8240	1.3	J	5	D
loromethane-methylene chl	SNL0093070	LWDS-MW1	390	21-APR-93	8240	5	U	5	F
loromethane-methylene chl	SNL0093093	LWDS-MW1	444	27-APR-93	8240	2.4	BJ	5	F
Dichloropropane, 1,2-	SNL0093572	LWDS-05-BH11	0	20-MAR-94	8240	5	U	5	TB
Dichloropropane, 1,2-	SNL0093466	LWDS-05-BH12	0	21-MAR-94	8240	5	U	5	TB
Dichloropropane, 1,2-	SNL0093375	LWDS-05-BH13	0	22-MAR-94	8240	5	U	5	TB
Dichloropropane, 1,2-	SNL0093717	LWDS-05-BH13	0	29-MAR-94	8240	5	U	5	F
Dichloropropane, 1,2-	SNL0093655	LWDS-05-BH14	0	23-MAR-94	8240	5	U	5	TB
Dichloropropane, 1,2-	SNL0093115	LWDS-MW1	0	30-APR-93	8240	5	U	5	F
Dichloropropane, 1,2-	SNL0093083	LWDS-MW1	0	21-APR-93	8240	5	U	5	F
Dichloropropane, 1,2-	SNL0091258	LWDS-MW1	12	22-AUG-92	8240	5	U	5	F
Dichloropropane, 1,2-	SNL0091260	LWDS-MW1	21	22-AUG-92	8240	5	U	5	F
Dichloropropane, 1,2-	SNL0093467	LWDS-05-BH11	25	20-MAR-94	8240	5	U	5	F
Dichloropropane, 1,2-	SNL0093377	LWDS-05-BH12	25	21-MAR-94	8240	5	U	5	F
Dichloropropane, 1,2-	SNL0093287	LWDS-05-BH13	25	22-MAR-94	8240	5	U	5	F
Dichloropropane, 1,2-	SNL0093673	LWDS-05-BH14	25	23-MAR-94	8240	5	U	5	F

Table A-5: Organics analyses of soil samples from ER Site 5.

Analyte	Sample Number	Sample Location	Sample Depth (Ft)	Sample Date	Analytical Method	Amount Detected (ug/kg)	Qualifier	Method Detection Limit	Sample Type
Dichloropropane, 1,2-	SNL0093475	LWDS-05-BH11	30	20-MAR-94	8240	5	U	5	F
Dichloropropane, 1,2-	SNL0093385	LWDS-05-BH12	30	21-MAR-94	8240	5	U	5	F
Dichloropropane, 1,2-	SNL0093295	LWDS-05-BH13	30	22-MAR-94	8240	5	U	5	F
Dichloropropane, 1,2-	SNL0093677	LWDS-05-BH14	30	23-MAR-94	8240	5	U	5	F
Dichloropropane, 1,2-	SNL0091262	LWDS-MW1	30	22-AUG-92	8240	5	U	5	F
Dichloropropane, 1,2-	SNL0093483	LWDS-05-BH11	32.5	20-MAR-94	8240	5	U	5	F
Dichloropropane, 1,2-	SNL0093393	LWDS-05-BH12	32.5	21-MAR-94	8240	5	U	5	F
Dichloropropane, 1,2-	SNL0093303	LWDS-05-BH13	32.5	22-MAR-94	8240	5	U	5	F
Dichloropropane, 1,2-	SNL0093681	LWDS-05-BH14	32.5	23-MAR-94	8240	5	U	5	F
Dichloropropane, 1,2-	SNL0093484	LWDS-05-BH11	35	20-MAR-94	8240	5	U	5	F
Dichloropropane, 1,2-	SNL0093401	LWDS-05-BH12	35	21-MAR-94	8240	5	U	5	F
Dichloropropane, 1,2-	SNL0093311	LWDS-05-BH13	35	22-MAR-94	8240	5	U	5	F
Dichloropropane, 1,2-	SNL0093685	LWDS-05-BH14	35	23-MAR-94	8240	5	U	5	F
Dichloropropane, 1,2-	SNL0093582	LWDS-05-BH11	37.5	20-MAR-94	8240	5	U	5	F
Dichloropropane, 1,2-	SNL0093409	LWDS-05-BH12	37.5	21-MAR-94	8240	5	U	5	F
Dichloropropane, 1,2-	SNL0093319	LWDS-05-BH13	37.5	22-MAR-94	8240	5	U	5	F
Dichloropropane, 1,2-	SNL0093689	LWDS-05-BH14	37.5	23-MAR-94	8240	5	U	5	F
Dichloropropane, 1,2-	SNL0091264	LWDS-MW1	39	22-AUG-92	8240	5	U	5	F
Dichloropropane, 1,2-	SNL0093492	LWDS-05-BH11	40	20-MAR-94	8240	5	U	5	F
Dichloropropane, 1,2-	SNL0093417	LWDS-05-BH12	40	21-MAR-94	8240	5	U	5	F
Dichloropropane, 1,2-	SNL0093327	LWDS-05-BH13	40	22-MAR-94	8240	5	U	5	F
Dichloropropane, 1,2-	SNL0093693	LWDS-05-BH14	40	23-MAR-94	8240	5	U	5	F
Dichloropropane, 1,2-	SNL0093500	LWDS-05-BH11	42.5	20-MAR-94	8240	5	U	5	F
Dichloropropane, 1,2-	SNL0093508	LWDS-05-BH11	45	20-MAR-94	8240	5	U	5	F
Dichloropropane, 1,2-	SNL0093425	LWDS-05-BH12	45	21-MAR-94	8240	5	U	5	F
Dichloropropane, 1,2-	SNL0093335	LWDS-05-BH13	45	22-MAR-94	8240	5	U	5	F
Dichloropropane, 1,2-	SNL0093626	LWDS-05-BH14	45	23-MAR-94	8240	5	U	5	F
Dichloropropane, 1,2-	SNL0093516	LWDS-05-BH11	47.5	20-MAR-94	8240	5	U	5	F
Dichloropropane, 1,2-	SNL0093524	LWDS-05-BH11	50	20-MAR-94	8240	5	U	5	F
Dichloropropane, 1,2-	SNL0093433	LWDS-05-BH12	50	21-MAR-94	8240	5	U	5	F
Dichloropropane, 1,2-	SNL0093351	LWDS-05-BH13	50	22-MAR-94	8240	5	U	5	D
Dichloropropane, 1,2-	SNL0093343	LWDS-05-BH13	50	22-MAR-94	8240	5	U	5	F
Dichloropropane, 1,2-	SNL0093630	LWDS-05-BH14	50	23-MAR-94	8240	5	U	5	F
Dichloropropane, 1,2-	SNL0091268	LWDS-MW1	50	22-AUG-92	8240	5	U	5	D
Dichloropropane, 1,2-	SNL0091266	LWDS-MW1	50	22-AUG-92	8240	5	U	5	F
Dichloropropane, 1,2-	SNL0093532	LWDS-05-BH11	55	20-MAR-94	8240	5	U	5	F
Dichloropropane, 1,2-	SNL0093449	LWDS-05-BH12	55	21-MAR-94	8240	5	U	5	D
Dichloropropane, 1,2-	SNL0093441	LWDS-05-BH12	55	21-MAR-94	8240	5	U	5	F
Dichloropropane, 1,2-	SNL0093359	LWDS-05-BH13	55	22-MAR-94	8240	5	U	5	F
Dichloropropane, 1,2-	SNL0093634	LWDS-05-BH14	55	23-MAR-94	8240	5	U	5	F
Dichloropropane, 1,2-	SNL0093540	LWDS-05-BH11	60	20-MAR-94	8240	5	U	5	F
Dichloropropane, 1,2-	SNL0093642	LWDS-05-BH14	60	23-MAR-94	8240	5	U	5	D
Dichloropropane, 1,2-	SNL0093638	LWDS-05-BH14	60	23-MAR-94	8240	5	U	5	F
Dichloropropane, 1,2-	SNL0091270	LWDS-MW1	60	22-AUG-92	8240	5	U	5	F
Dichloropropane, 1,2-	SNL0093548	LWDS-05-BH11	65	20-MAR-94	8240	5	U	5	F
Dichloropropane, 1,2-	SNL0091277	LWDS-MW1	68	23-AUG-92	8240	5	U	5	F
Dichloropropane, 1,2-	SNL0093564	LWDS-05-BH11	70	20-MAR-94	8240	5	U	5	D
Dichloropropane, 1,2-	SNL0093556	LWDS-05-BH11	70	20-MAR-94	8240	5	U	5	F
Dichloropropane, 1,2-	SNL0091279	LWDS-MW1	80	23-AUG-92	8240	5	U	5	F
Dichloropropane, 1,2-	SNL0091283	LWDS-MW1	89	23-AUG-92	8240	5	U	5	D
Dichloropropane, 1,2-	SNL0091281	LWDS-MW1	89	23-AUG-92	8240	5	U	5	F
Dichloropropane, 1,2-	SNL0091285	LWDS-MW1	102	24-AUG-92	8240	5	U	5	F
Dichloropropane, 1,2-	SNL0091289	LWDS-MW1	110	24-AUG-92	8240	5	U	5	F
Dichloropropane, 1,2-	SNL0091287	LWDS-MW1	110	24-AUG-92	8240	5	U	5	F
Dichloropropane, 1,2-	SNL0091294	LWDS-MW1	120	25-AUG-92	8240	5	U	5	F
Dichloropropane, 1,2-	SNL0091296	LWDS-MW1	130	25-AUG-92	8240	5	U	5	F
Dichloropropane, 1,2-	SNL0091582	LWDS-MW1	143	02-SEP-92	8240	5	U	5	F
Dichloropropane, 1,2-	SNL0091584	LWDS-MW1	150	02-SEP-92	8240	5	U	5	F
Dichloropropane, 1,2-	SNL0092980	LWDS-MW1	176	06-APR-93	8240	5	U	5	F
Dichloropropane, 1,2-	SNL0092990	LWDS-MW1	202	08-APR-93	8240	5	U	5	F
Dichloropropane, 1,2-	SNL0093004	LWDS-MW1	226	13-APR-93	8240	5	U	5	F
Dichloropropane, 1,2-	SNL0093014	LWDS-MW1	250	14-APR-93	8240	5	U	5	F
Dichloropropane, 1,2-	SNL0093026	LWDS-MW1	274	15-APR-93	8240	5	U	5	F
Dichloropropane, 1,2-	SNL0093046	LWDS-MW1	315	17-APR-93	8240	5	U	5	F
Dichloropropane, 1,2-	SNL0093058	LWDS-MW1	346	19-APR-93	8240	5	U	5	F
Dichloropropane, 1,2-	SNL0093036	LWDS-MW1	346	19-APR-93	8240	5	U	5	D
Dichloropropane, 1,2-	SNL0093070	LWDS-MW1	390	21-APR-93	8240	5	U	5	F

Table A-5: Organics analyses of soil samples from ER Site 5.

Analyte	Sample Number	Sample Location	Sample Depth (Ft)	Sample Date	Analytical Method	Amount Detected (ug/kg)	Qualifier	Method Detection Limit	Sample Type
Dichloropropane, 1,2-	SNL0093093	LWDS-MW1	444	27-APR-93	8240	5	U	5	F
Dichloropropene, cis-1,3-	SNL0093572	LWDS-05-BH11	0	20-MAR-94	8240	5	U	5	TB
Dichloropropene, cis-1,3-	SNL0093466	LWDS-05-BH12	0	21-MAR-94	8240	5	U	5	TB
Dichloropropene, cis-1,3-	SNL0093375	LWDS-05-BH13	0	22-MAR-94	8240	5	U	5	TB
Dichloropropene, cis-1,3-	SNL0093717	LWDS-05-BH13	0	29-MAR-94	8240	5	U	5	F
Dichloropropene, cis-1,3-	SNL0093655	LWDS-05-BH14	0	23-MAR-94	8240	5	U	5	TB
Dichloropropene, cis-1,3-	SNL0093115	LWDS-MW1	0	30-APR-93	8240	5	U	5	F
Dichloropropene, cis-1,3-	SNL0093083	LWDS-MW1	0	21-APR-93	8240	5	U	5	F
Dichloropropene, cis-1,3-	SNL0091258	LWDS-MW1	12	22-AUG-92	8240	5	U	5	F
Dichloropropene, cis-1,3-	SNL0091260	LWDS-MW1	21	22-AUG-92	8240	5	U	5	F
Dichloropropene, cis-1,3-	SNL0093467	LWDS-05-BH11	25	20-MAR-94	8240	5	U	5	F
Dichloropropene, cis-1,3-	SNL0093377	LWDS-05-BH12	25	21-MAR-94	8240	5	U	5	F
Dichloropropene, cis-1,3-	SNL0093287	LWDS-05-BH13	25	22-MAR-94	8240	5	U	5	F
Dichloropropene, cis-1,3-	SNL0093673	LWDS-05-BH14	25	23-MAR-94	8240	5	U	5	F
Dichloropropene, cis-1,3-	SNL0093475	LWDS-05-BH11	30	20-MAR-94	8240	5	U	5	F
Dichloropropene, cis-1,3-	SNL0093385	LWDS-05-BH12	30	21-MAR-94	8240	5	U	5	F
Dichloropropene, cis-1,3-	SNL0093295	LWDS-05-BH13	30	22-MAR-94	8240	5	U	5	F
Dichloropropene, cis-1,3-	SNL0093677	LWDS-05-BH14	30	23-MAR-94	8240	5	U	5	F
Dichloropropene, cis-1,3-	SNL0091262	LWDS-MW1	30	22-AUG-92	8240	5	U	5	F
Dichloropropene, cis-1,3-	SNL0093483	LWDS-05-BH11	32.5	20-MAR-94	8240	5	U	5	F
Dichloropropene, cis-1,3-	SNL0093393	LWDS-05-BH12	32.5	21-MAR-94	8240	5	U	5	F
Dichloropropene, cis-1,3-	SNL0093303	LWDS-05-BH13	32.5	22-MAR-94	8240	5	U	5	F
Dichloropropene, cis-1,3-	SNL0093681	LWDS-05-BH14	32.5	23-MAR-94	8240	5	U	5	F
Dichloropropene, cis-1,3-	SNL0093484	LWDS-05-BH11	35	20-MAR-94	8240	5	U	5	F
Dichloropropene, cis-1,3-	SNL0093401	LWDS-05-BH12	35	21-MAR-94	8240	5	U	5	F
Dichloropropene, cis-1,3-	SNL0093311	LWDS-05-BH13	35	22-MAR-94	8240	5	U	5	F
Dichloropropene, cis-1,3-	SNL0093685	LWDS-05-BH14	35	23-MAR-94	8240	5	U	5	F
Dichloropropene, cis-1,3-	SNL0093582	LWDS-05-BH11	37.5	20-MAR-94	8240	5	U	5	F
Dichloropropene, cis-1,3-	SNL0093409	LWDS-05-BH12	37.5	21-MAR-94	8240	5	U	5	F
Dichloropropene, cis-1,3-	SNL0093319	LWDS-05-BH13	37.5	22-MAR-94	8240	5	U	5	F
Dichloropropene, cis-1,3-	SNL0093689	LWDS-05-BH14	37.5	23-MAR-94	8240	5	U	5	F
Dichloropropene, cis-1,3-	SNL0091264	LWDS-MW1	39	22-AUG-92	8240	5	U	5	F
Dichloropropene, cis-1,3-	SNL0093492	LWDS-05-BH11	40	20-MAR-94	8240	5	U	5	F
Dichloropropene, cis-1,3-	SNL0093417	LWDS-05-BH12	40	21-MAR-94	8240	5	U	5	F
Dichloropropene, cis-1,3-	SNL0093327	LWDS-05-BH13	40	22-MAR-94	8240	5	U	5	F
Dichloropropene, cis-1,3-	SNL0093693	LWDS-05-BH14	40	23-MAR-94	8240	5	U	5	F
Dichloropropene, cis-1,3-	SNL0093500	LWDS-05-BH11	42.5	20-MAR-94	8240	5	U	5	F
Dichloropropene, cis-1,3-	SNL0093508	LWDS-05-BH11	45	20-MAR-94	8240	5	U	5	F
Dichloropropene, cis-1,3-	SNL0093425	LWDS-05-BH12	45	21-MAR-94	8240	5	U	5	F
Dichloropropene, cis-1,3-	SNL0093335	LWDS-05-BH13	45	22-MAR-94	8240	5	U	5	F
Dichloropropene, cis-1,3-	SNL0093626	LWDS-05-BH14	45	23-MAR-94	8240	5	U	5	F
Dichloropropene, cis-1,3-	SNL0093516	LWDS-05-BH11	47.5	20-MAR-94	8240	5	U	5	F
Dichloropropene, cis-1,3-	SNL0093524	LWDS-05-BH11	50	20-MAR-94	8240	5	U	5	F
Dichloropropene, cis-1,3-	SNL0093433	LWDS-05-BH12	50	21-MAR-94	8240	5	U	5	F
Dichloropropene, cis-1,3-	SNL0093351	LWDS-05-BH13	50	22-MAR-94	8240	5	U	5	D
Dichloropropene, cis-1,3-	SNL0093343	LWDS-05-BH13	50	22-MAR-94	8240	5	U	5	F
Dichloropropene, cis-1,3-	SNL0093630	LWDS-05-BH14	50	23-MAR-94	8240	5	U	5	F
Dichloropropene, cis-1,3-	SNL0091268	LWDS-MW1	50	22-AUG-92	8240	5	U	5	D
Dichloropropene, cis-1,3-	SNL0091266	LWDS-MW1	50	22-AUG-92	8240	5	U	5	F
Dichloropropene, cis-1,3-	SNL0093532	LWDS-05-BH11	55	20-MAR-94	8240	5	U	5	F
Dichloropropene, cis-1,3-	SNL0093449	LWDS-05-BH12	55	21-MAR-94	8240	5	U	5	D
Dichloropropene, cis-1,3-	SNL0093441	LWDS-05-BH12	55	21-MAR-94	8240	5	U	5	F
Dichloropropene, cis-1,3-	SNL0093359	LWDS-05-BH13	55	22-MAR-94	8240	5	U	5	F
Dichloropropene, cis-1,3-	SNL0093634	LWDS-05-BH14	55	23-MAR-94	8240	5	U	5	F
Dichloropropene, cis-1,3-	SNL0093540	LWDS-05-BH11	60	20-MAR-94	8240	5	U	5	F
Dichloropropene, cis-1,3-	SNL0093642	LWDS-05-BH14	60	23-MAR-94	8240	5	U	5	D
Dichloropropene, cis-1,3-	SNL0093638	LWDS-05-BH14	60	23-MAR-94	8240	5	U	5	F
Dichloropropene, cis-1,3-	SNL0091270	LWDS-MW1	60	22-AUG-92	8240	5	U	5	F
Dichloropropene, cis-1,3-	SNL0093548	LWDS-05-BH11	65	20-MAR-94	8240	5	U	5	F
Dichloropropene, cis-1,3-	SNL0091277	LWDS-MW1	68	23-AUG-92	8240	5	U	5	F
Dichloropropene, cis-1,3-	SNL0093564	LWDS-05-BH11	70	20-MAR-94	8240	5	U	5	D
Dichloropropene, cis-1,3-	SNL0093556	LWDS-05-BH11	70	20-MAR-94	8240	5	U	5	F
Dichloropropene, cis-1,3-	SNL0091279	LWDS-MW1	80	23-AUG-92	8240	5	U	5	F
Dichloropropene, cis-1,3-	SNL0091283	LWDS-MW1	89	23-AUG-92	8240	5	U	5	D
Dichloropropene, cis-1,3-	SNL0091281	LWDS-MW1	89	23-AUG-92	8240	5	U	5	F
Dichloropropene, cis-1,3-	SNL0091285	LWDS-MW1	102	24-AUG-92	8240	5	U	5	F
Dichloropropene, cis-1,3-	SNL0091289	LWDS-MW1	110	24-AUG-92	8240	5	U	5	F

Table A-5: Organics analyses of soil samples from ER Site 5.

Analyte	Sample Number	Sample Location	Sample Depth (Ft)	Sample Date	Analytical Method	Amount Detected (ug/kg)	Qualifier	Method Detection Limit	Sample Type
Dichloropropene, cis-1,3-	SNL0091287	LWDS-MW1	110	24-AUG-92	8240	5	U	5	F
Dichloropropene, cis-1,3-	SNL0091294	LWDS-MW1	120	25-AUG-92	8240	5	U	5	F
Dichloropropene, cis-1,3-	SNL0091296	LWDS-MW1	130	25-AUG-92	8240	5	U	5	F
Dichloropropene, cis-1,3-	SNL0091582	LWDS-MW1	143	02-SEP-92	8240	5	U	5	F
Dichloropropene, cis-1,3-	SNL0091584	LWDS-MW1	150	02-SEP-92	8240	5	U	5	F
Dichloropropene, cis-1,3-	SNL0092980	LWDS-MW1	176	06-APR-93	8240	5	U	5	F
Dichloropropene, cis-1,3-	SNL0092990	LWDS-MW1	202	08-APR-93	8240	5	U	5	F
Dichloropropene, cis-1,3-	SNL0093004	LWDS-MW1	226	13-APR-93	8240	5	U	5	F
Dichloropropene, cis-1,3-	SNL0093014	LWDS-MW1	250	14-APR-93	8240	5	U	5	F
Dichloropropene, cis-1,3-	SNL0093026	LWDS-MW1	274	15-APR-93	8240	5	U	5	F
Dichloropropene, cis-1,3-	SNL0093046	LWDS-MW1	315	17-APR-93	8240	5	U	5	F
Dichloropropene, cis-1,3-	SNL0093058	LWDS-MW1	346	19-APR-93	8240	5	U	5	F
Dichloropropene, cis-1,3-	SNL0093036	LWDS-MW1	346	19-APR-93	8240	5	U	5	D
Dichloropropene, cis-1,3-	SNL0093070	LWDS-MW1	390	21-APR-93	8240	5	U	5	F
Dichloropropene, cis-1,3-	SNL0093093	LWDS-MW1	444	27-APR-93	8240	5	U	5	F
Dichloropropene, trans-1,3-	SNL0093572	LWDS-05-BH11	0	20-MAR-94	8240	5	U	5	TB
Dichloropropene, trans-1,3-	SNL0093466	LWDS-05-BH12	0	21-MAR-94	8240	5	U	5	TB
Dichloropropene, trans-1,3-	SNL0093717	LWDS-05-BH13	0	29-MAR-94	8240	5	U	5	F
Dichloropropene, trans-1,3-	SNL0093375	LWDS-05-BH13	0	22-MAR-94	8240	5	U	5	TB
Dichloropropene, trans-1,3-	SNL0093655	LWDS-05-BH14	0	23-MAR-94	8240	5	U	5	TB
Dichloropropene, trans-1,3-	SNL0093115	LWDS-MW1	0	30-APR-93	8240	5	U	5	F
Dichloropropene, trans-1,3-	SNL0093083	LWDS-MW1	0	21-APR-93	8240	5	U	5	F
Dichloropropene, trans-1,3-	SNL0091258	LWDS-MW1	12	22-AUG-92	8240	5	U	5	F
Dichloropropene, trans-1,3-	SNL0091260	LWDS-MW1	21	22-AUG-92	8240	5	U	5	F
Dichloropropene, trans-1,3-	SNL0093467	LWDS-05-BH11	25	20-MAR-94	8240	5	U	5	F
Dichloropropene, trans-1,3-	SNL0093377	LWDS-05-BH12	25	21-MAR-94	8240	5	U	5	F
Dichloropropene, trans-1,3-	SNL0093287	LWDS-05-BH13	25	22-MAR-94	8240	5	U	5	F
Dichloropropene, trans-1,3-	SNL0093673	LWDS-05-BH14	25	23-MAR-94	8240	5	U	5	F
Dichloropropene, trans-1,3-	SNL0093475	LWDS-05-BH11	30	20-MAR-94	8240	5	U	5	F
Dichloropropene, trans-1,3-	SNL0093385	LWDS-05-BH12	30	21-MAR-94	8240	5	U	5	F
Dichloropropene, trans-1,3-	SNL0093295	LWDS-05-BH13	30	22-MAR-94	8240	5	U	5	F
Dichloropropene, trans-1,3-	SNL0093677	LWDS-05-BH14	30	23-MAR-94	8240	5	U	5	F
Dichloropropene, trans-1,3-	SNL0091262	LWDS-MW1	30	22-AUG-92	8240	5	U	5	F
Dichloropropene, trans-1,3-	SNL0093483	LWDS-05-BH11	32.5	20-MAR-94	8240	5	U	5	F
Dichloropropene, trans-1,3-	SNL0093393	LWDS-05-BH12	32.5	21-MAR-94	8240	5	U	5	F
Dichloropropene, trans-1,3-	SNL0093303	LWDS-05-BH13	32.5	22-MAR-94	8240	5	U	5	F
Dichloropropene, trans-1,3-	SNL0093681	LWDS-05-BH14	32.5	23-MAR-94	8240	5	U	5	F
Dichloropropene, trans-1,3-	SNL0093484	LWDS-05-BH11	35	20-MAR-94	8240	5	U	5	F
Dichloropropene, trans-1,3-	SNL0093401	LWDS-05-BH12	35	21-MAR-94	8240	5	U	5	F
Dichloropropene, trans-1,3-	SNL0093311	LWDS-05-BH13	35	22-MAR-94	8240	5	U	5	F
Dichloropropene, trans-1,3-	SNL0093685	LWDS-05-BH14	35	23-MAR-94	8240	5	U	5	F
Dichloropropene, trans-1,3-	SNL0093582	LWDS-05-BH11	37.5	20-MAR-94	8240	5	U	5	F
Dichloropropene, trans-1,3-	SNL0093409	LWDS-05-BH12	37.5	21-MAR-94	8240	5	U	5	F
Dichloropropene, trans-1,3-	SNL0093319	LWDS-05-BH13	37.5	22-MAR-94	8240	5	U	5	F
Dichloropropene, trans-1,3-	SNL0093689	LWDS-05-BH14	37.5	23-MAR-94	8240	5	U	5	F
Dichloropropene, trans-1,3-	SNL0091264	LWDS-MW1	39	22-AUG-92	8240	5	U	5	F
Dichloropropene, trans-1,3-	SNL0093492	LWDS-05-BH11	40	20-MAR-94	8240	5	U	5	F
Dichloropropene, trans-1,3-	SNL0093417	LWDS-05-BH12	40	21-MAR-94	8240	5	U	5	F
Dichloropropene, trans-1,3-	SNL0093327	LWDS-05-BH13	40	22-MAR-94	8240	5	U	5	F
Dichloropropene, trans-1,3-	SNL0093693	LWDS-05-BH14	40	23-MAR-94	8240	5	U	5	F
Dichloropropene, trans-1,3-	SNL0093500	LWDS-05-BH11	42.5	20-MAR-94	8240	5	U	5	F
Dichloropropene, trans-1,3-	SNL0093508	LWDS-05-BH11	45	20-MAR-94	8240	5	U	5	F
Dichloropropene, trans-1,3-	SNL0093425	LWDS-05-BH12	45	21-MAR-94	8240	5	U	5	F
Dichloropropene, trans-1,3-	SNL0093335	LWDS-05-BH13	45	22-MAR-94	8240	5	U	5	F
Dichloropropene, trans-1,3-	SNL0093626	LWDS-05-BH14	45	23-MAR-94	8240	5	U	5	F
Dichloropropene, trans-1,3-	SNL0093516	LWDS-05-BH11	47.5	20-MAR-94	8240	5	U	5	F
Dichloropropene, trans-1,3-	SNL0093524	LWDS-05-BH11	50	20-MAR-94	8240	5	U	5	F
Dichloropropene, trans-1,3-	SNL0093433	LWDS-05-BH12	50	21-MAR-94	8240	5	U	5	F
Dichloropropene, trans-1,3-	SNL0093351	LWDS-05-BH13	50	22-MAR-94	8240	5	U	5	D
Dichloropropene, trans-1,3-	SNL0093343	LWDS-05-BH13	50	22-MAR-94	8240	5	U	5	F
Dichloropropene, trans-1,3-	SNL0093630	LWDS-05-BH14	50	23-MAR-94	8240	5	U	5	F
Dichloropropene, trans-1,3-	SNL0091268	LWDS-MW1	50	22-AUG-92	8240	5	U	5	D
Dichloropropene, trans-1,3-	SNL0091266	LWDS-MW1	50	22-AUG-92	8240	5	U	5	F
Dichloropropene, trans-1,3-	SNL0093532	LWDS-05-BH11	55	20-MAR-94	8240	5	U	5	F
Dichloropropene, trans-1,3-	SNL0093449	LWDS-05-BH12	55	21-MAR-94	8240	5	U	5	D
Dichloropropene, trans-1,3-	SNL0093441	LWDS-05-BH12	55	21-MAR-94	8240	5	U	5	F
Dichloropropene, trans-1,3-	SNL0093359	LWDS-05-BH13	55	22-MAR-94	8240	5	U	5	F

Table A-5: Organics analyses of soil samples from ER Site 5.

Analyte	Sample Number	Sample Location	Sample Depth (Ft)	Sample Date	Analytical Method	Amount Detected (ug/kg)	Qualifier	Method Detection Limit	Sample Type
Dichloropropene, trans-1,3-	SNL0093634	LWDS-05-BH14	55	23-MAR-94	8240	5	U	5	F
Dichloropropene, trans-1,3-	SNL0093540	LWDS-05-BH11	60	20-MAR-94	8240	5	U	5	F
Dichloropropene, trans-1,3-	SNL0093642	LWDS-05-BH14	60	23-MAR-94	8240	5	U	5	D
Dichloropropene, trans-1,3-	SNL0093638	LWDS-05-BH14	60	23-MAR-94	8240	5	U	5	F
Dichloropropene, trans-1,3-	SNL0091270	LWDS-MW1	60	22-AUG-92	8240	5	U	5	F
Dichloropropene, trans-1,3-	SNL0093548	LWDS-05-BH11	65	20-MAR-94	8240	5	U	5	F
Dichloropropene, trans-1,3-	SNL0091277	LWDS-MW1	68	23-AUG-92	8240	5	U	5	F
Dichloropropene, trans-1,3-	SNL0093564	LWDS-05-BH11	70	20-MAR-94	8240	5	U	5	D
Dichloropropene, trans-1,3-	SNL0093556	LWDS-05-BH11	70	20-MAR-94	8240	5	U	5	F
Dichloropropene, trans-1,3-	SNL0091279	LWDS-MW1	80	23-AUG-92	8240	5	U	5	F
Dichloropropene, trans-1,3-	SNL0091283	LWDS-MW1	89	23-AUG-92	8240	5	U	5	D
Dichloropropene, trans-1,3-	SNL0091281	LWDS-MW1	89	23-AUG-92	8240	5	U	5	F
Dichloropropene, trans-1,3-	SNL0091285	LWDS-MW1	102	24-AUG-92	8240	5	U	5	F
Dichloropropene, trans-1,3-	SNL0091287	LWDS-MW1	110	24-AUG-92	8240	5	U	5	F
Dichloropropene, trans-1,3-	SNL0091289	LWDS-MW1	110	24-AUG-92	8240	5	U	5	F
Dichloropropene, trans-1,3-	SNL0091294	LWDS-MW1	120	25-AUG-92	8240	5	U	5	F
Dichloropropene, trans-1,3-	SNL0091296	LWDS-MW1	130	25-AUG-92	8240	5	U	5	F
Dichloropropene, trans-1,3-	SNL0091582	LWDS-MW1	143	02-SEP-92	8240	5	U	5	F
Dichloropropene, trans-1,3-	SNL0091584	LWDS-MW1	150	02-SEP-92	8240	5	U	5	F
Dichloropropene, trans-1,3-	SNL0092980	LWDS-MW1	176	06-APR-93	8240	5	U	5	F
Dichloropropene, trans-1,3-	SNL0092990	LWDS-MW1	202	08-APR-93	8240	5	U	5	F
Dichloropropene, trans-1,3-	SNL0093004	LWDS-MW1	226	13-APR-93	8240	5	U	5	F
Dichloropropene, trans-1,3-	SNL0093014	LWDS-MW1	250	14-APR-93	8240	5	U	5	F
Dichloropropene, trans-1,3-	SNL0093026	LWDS-MW1	274	15-APR-93	8240	5	U	5	F
Dichloropropene, trans-1,3-	SNL0093046	LWDS-MW1	315	17-APR-93	8240	5	U	5	F
Dichloropropene, trans-1,3-	SNL0093058	LWDS-MW1	346	19-APR-93	8240	5	U	5	F
Dichloropropene, trans-1,3-	SNL0093036	LWDS-MW1	346	19-APR-93	8240	5	U	5	D
Dichloropropene, trans-1,3-	SNL0093070	LWDS-MW1	390	21-APR-93	8240	5	U	5	F
Dichloropropene, trans-1,3-	SNL0093093	LWDS-MW1	444	27-APR-93	8240	5	U	5	F
Dichlorphenol, 2,4-	SNL0093720	LWDS-05-BH13	0	29-MAR-94	8270	330	U	330	F
Dichlorphenol, 2,4-	SNL0093123	LWDS-MW1	0	30-APR-93	8270	330	U	330	F
Dichlorphenol, 2,4-	SNL0093091	LWDS-MW1	0	21-APR-93	8270	330	U	330	F
Dichlorphenol, 2,4-	SNL0091259	LWDS-MW1	12	22-AUG-92	8270	330	U	330	F
Dichlorphenol, 2,4-	SNL0091261	LWDS-MW1	21	22-AUG-92	8270	330	U	330	F
Dichlorphenol, 2,4-	SNL0093474	LWDS-05-BH11	25	20-MAR-94	8270	330	U	330	F
Dichlorphenol, 2,4-	SNL0093384	LWDS-05-BH12	25	21-MAR-94	8270	330	U	330	F
Dichlorphenol, 2,4-	SNL0093294	LWDS-05-BH13	25	22-MAR-94	8270	330	U	330	F
Dichlorphenol, 2,4-	SNL0093676	LWDS-05-BH14	25	23-MAR-94	8270	330	U	330	F
Dichlorphenol, 2,4-	SNL0093482	LWDS-05-BH11	30	20-MAR-94	8270	330	U	330	F
Dichlorphenol, 2,4-	SNL0093392	LWDS-05-BH12	30	21-MAR-94	8270	330	U	330	F
Dichlorphenol, 2,4-	SNL0093302	LWDS-05-BH13	30	22-MAR-94	8270	330	U	330	F
Dichlorphenol, 2,4-	SNL0093680	LWDS-05-BH14	30	23-MAR-94	8270	330	U	330	F
Dichlorphenol, 2,4-	SNL0091263	LWDS-MW1	30	22-AUG-92	8270	330	U	330	F
Dichlorphenol, 2,4-	SNL0093400	LWDS-05-BH12	32.5	21-MAR-94	8270	330	U	330	F
Dichlorphenol, 2,4-	SNL0093310	LWDS-05-BH13	32.5	22-MAR-94	8270	330	U	330	F
Dichlorphenol, 2,4-	SNL0093684	LWDS-05-BH14	32.5	23-MAR-94	8270	330	U	330	F
Dichlorphenol, 2,4-	SNL0093491	LWDS-05-BH11	35	20-MAR-94	8270	330	U	330	F
Dichlorphenol, 2,4-	SNL0093408	LWDS-05-BH12	35	21-MAR-94	8270	330	U	330	F
Dichlorphenol, 2,4-	SNL0093318	LWDS-05-BH13	35	22-MAR-94	8270	330	U	330	F
Dichlorphenol, 2,4-	SNL0093688	LWDS-05-BH14	35	23-MAR-94	8270	330	U	330	F
Dichlorphenol, 2,4-	SNL0093589	LWDS-05-BH11	37.5	20-MAR-94	8270	330	U	330	F
Dichlorphenol, 2,4-	SNL0093416	LWDS-05-BH12	37.5	21-MAR-94	8270	330	U	330	F
Dichlorphenol, 2,4-	SNL0093326	LWDS-05-BH13	37.5	22-MAR-94	8270	330	U	330	F
Dichlorphenol, 2,4-	SNL0093692	LWDS-05-BH14	37.5	23-MAR-94	8270	330	U	330	F
Dichlorphenol, 2,4-	SNL0091265	LWDS-MW1	39	22-AUG-92	8270	330	U	330	F
Dichlorphenol, 2,4-	SNL0093499	LWDS-05-BH11	40	20-MAR-94	8270	330	U	330	F
Dichlorphenol, 2,4-	SNL0093424	LWDS-05-BH12	40	21-MAR-94	8270	330	U	330	F
Dichlorphenol, 2,4-	SNL0093334	LWDS-05-BH13	40	22-MAR-94	8270	330	U	330	F
Dichlorphenol, 2,4-	SNL0093625	LWDS-05-BH14	40	23-MAR-94	8270	330	U	330	F
Dichlorphenol, 2,4-	SNL0093507	LWDS-05-BH11	42.5	20-MAR-94	8270	330	U	330	F
Dichlorphenol, 2,4-	SNL0093515	LWDS-05-BH11	45	20-MAR-94	8270	330	U	330	F
Dichlorphenol, 2,4-	SNL0093432	LWDS-05-BH12	45	21-MAR-94	8270	330	U	330	F
Dichlorphenol, 2,4-	SNL0093342	LWDS-05-BH13	45	22-MAR-94	8270	330	U	330	F
Dichlorphenol, 2,4-	SNL0093629	LWDS-05-BH14	45	23-MAR-94	8270	330	U	330	F
Dichlorphenol, 2,4-	SNL0093523	LWDS-05-BH11	47.5	20-MAR-94	8270	330	U	330	F
Dichlorphenol, 2,4-	SNL0093531	LWDS-05-BH11	50	20-MAR-94	8270	330	U	330	F
Dichlorphenol, 2,4-	SNL0093440	LWDS-05-BH12	50	21-MAR-94	8270	330	U	330	F

Table A-5: Organics analyses of soil samples from ER Site 5.

Analyte	Sample Number	Sample Location	Sample Depth (Ft)	Sample Date	Analytical Method	Amount Detected (ug/kg)	Qualifier	Method Detection Limit	Sample Type
Dichlorphenol, 2,4-	SNL0093350	LWDS-05-BH13	50	22-MAR-94	8270	330	U	330	F
Dichlorphenol, 2,4-	SNL0093358	LWDS-05-BH13	50	22-MAR-94	8270	330	U	330	F
Dichlorphenol, 2,4-	SNL0093633	LWDS-05-BH14	50	23-MAR-94	8270	330	U	330	F
Dichlorphenol, 2,4-	SNL0091269	LWDS-MW1	50	22-AUG-92	8270	330	U	330	D
Dichlorphenol, 2,4-	SNL0091267	LWDS-MW1	50	22-AUG-92	8270	330	U	330	F
Dichlorphenol, 2,4-	SNL0093539	LWDS-05-BH11	55	20-MAR-94	8270	330	U	330	F
Dichlorphenol, 2,4-	SNL0093456	LWDS-05-BH12	55	21-MAR-94	8270	330	U	330	D
Dichlorphenol, 2,4-	SNL0093448	LWDS-05-BH12	55	21-MAR-94	8270	330	U	330	F
Dichlorphenol, 2,4-	SNL0093366	LWDS-05-BH13	55	22-MAR-94	8270	330	U	330	F
Dichlorphenol, 2,4-	SNL0093637	LWDS-05-BH14	55	23-MAR-94	8270	330	U	330	F
Dichlorphenol, 2,4-	SNL0093547	LWDS-05-BH11	60	20-MAR-94	8270	330	U	330	F
Dichlorphenol, 2,4-	SNL0093641	LWDS-05-BH14	60	23-MAR-94	8270	330	U	330	F
Dichlorphenol, 2,4-	SNL0093645	LWDS-05-BH14	60	23-MAR-94	8270	330	U	330	D
Dichlorphenol, 2,4-	SNL0091271	LWDS-MW1	60	22-AUG-92	8270	330	U	330	F
Dichlorphenol, 2,4-	SNL0093555	LWDS-05-BH11	65	20-MAR-94	8270	330	U	330	F
Dichlorphenol, 2,4-	SNL0091278	LWDS-MW1	68	23-AUG-92	8270	330	U	330	F
Dichlorphenol, 2,4-	SNL0093571	LWDS-05-BH11	70	20-MAR-94	8270	330	U	330	D
Dichlorphenol, 2,4-	SNL0093563	LWDS-05-BH11	70	20-MAR-94	8270	330	U	330	F
Dichlorphenol, 2,4-	SNL0091280	LWDS-MW1	80	23-AUG-92	8270	330	U	330	F
Dichlorphenol, 2,4-	SNL0091284	LWDS-MW1	89	23-AUG-92	8270	330	U	330	D
Dichlorphenol, 2,4-	SNL0091282	LWDS-MW1	89	23-AUG-92	8270	330	U	330	F
Dichlorphenol, 2,4-	SNL0091286	LWDS-MW1	102	24-AUG-92	8270	330	U	330	F
Dichlorphenol, 2,4-	SNL0091288	LWDS-MW1	110	24-AUG-92	8270	330	U	330	F
Dichlorphenol, 2,4-	SNL0091290	LWDS-MW1	110	24-AUG-92	8270	330	U	330	F
Dichlorphenol, 2,4-	SNL0091295	LWDS-MW1	120	25-AUG-92	8270	330	U	330	F
Dichlorphenol, 2,4-	SNL0091297	LWDS-MW1	130	25-AUG-92	8270	330	U	330	F
Dichlorphenol, 2,4-	SNL0091583	LWDS-MW1	143	02-SEP-92	8270	330	U	330	F
Dichlorphenol, 2,4-	SNL0091585	LWDS-MW1	150	02-SEP-92	8270	330	U	330	F
Dichlorphenol, 2,4-	SNL0092988	LWDS-MW1	176	06-APR-93	8270	330	U	330	F
Dichlorphenol, 2,4-	SNL0092998	LWDS-MW1	202	08-APR-93	8270	330	U	330	F
Dichlorphenol, 2,4-	SNL0093012	LWDS-MW1	226	13-APR-93	8270	330	U	330	F
Dichlorphenol, 2,4-	SNL0093022	LWDS-MW1	250	14-APR-93	8270	330	U	330	F
Dichlorphenol, 2,4-	SNL0093034	LWDS-MW1	274	15-APR-93	8270	330	U	330	F
Dichlorphenol, 2,4-	SNL0093054	LWDS-MW1	315	17-APR-93	8270	330	U	330	F
Dichlorphenol, 2,4-	SNL0093044	LWDS-MW1	346	19-APR-93	8270	330	U	330	D
Dichlorphenol, 2,4-	SNL0093066	LWDS-MW1	346	19-APR-93	8270	330	U	330	F
Dichlorphenol, 2,4-	SNL0093078	LWDS-MW1	390	21-APR-93	8270	330	U	330	F
Dichlorphenol, 2,4-	SNL0093101	LWDS-MW1	444	27-APR-93	8270	330	U	330	F
Diethylphthalate	SNL0093720	LWDS-05-BH13	0	29-MAR-94	8270	330	U	330	F
Diethylphthalate	SNL0093123	LWDS-MW1	0	30-APR-93	8270	330	U	330	F
Diethylphthalate	SNL0093091	LWDS-MW1	0	21-APR-93	8270	330	U	330	F
Diethylphthalate	SNL0091259	LWDS-MW1	12	22-AUG-92	8270	330	U	330	F
Diethylphthalate	SNL0091261	LWDS-MW1	21	22-AUG-92	8270	330	U	330	F
Diethylphthalate	SNL0093474	LWDS-05-BH11	25	20-MAR-94	8270	330	U	330	F
Diethylphthalate	SNL0093384	LWDS-05-BH12	25	21-MAR-94	8270	330	U	330	F
Diethylphthalate	SNL0093294	LWDS-05-BH13	25	22-MAR-94	8270	330	U	330	F
Diethylphthalate	SNL0093676	LWDS-05-BH14	25	23-MAR-94	8270	330	U	330	F
Diethylphthalate	SNL0093482	LWDS-05-BH11	30	20-MAR-94	8270	330	U	330	F
Diethylphthalate	SNL0093392	LWDS-05-BH12	30	21-MAR-94	8270	330	U	330	F
Diethylphthalate	SNL0093302	LWDS-05-BH13	30	22-MAR-94	8270	330	U	330	F
Diethylphthalate	SNL0093680	LWDS-05-BH14	30	23-MAR-94	8270	330	U	330	F
Diethylphthalate	SNL0091263	LWDS-MW1	30	22-AUG-92	8270	330	U	330	F
Diethylphthalate	SNL0093400	LWDS-05-BH12	32.5	21-MAR-94	8270	330	U	330	F
Diethylphthalate	SNL0093310	LWDS-05-BH13	32.5	22-MAR-94	8270	330	U	330	F
Diethylphthalate	SNL0093684	LWDS-05-BH14	32.5	23-MAR-94	8270	330	U	330	F
Diethylphthalate	SNL0093491	LWDS-05-BH11	35	20-MAR-94	8270	330	U	330	F
Diethylphthalate	SNL0093408	LWDS-05-BH12	35	21-MAR-94	8270	330	U	330	F
Diethylphthalate	SNL0093318	LWDS-05-BH13	35	22-MAR-94	8270	330	U	330	F
Diethylphthalate	SNL0093688	LWDS-05-BH14	35	23-MAR-94	8270	330	U	330	F
Diethylphthalate	SNL0093589	LWDS-05-BH11	37.5	20-MAR-94	8270	330	U	330	F
Diethylphthalate	SNL0093416	LWDS-05-BH12	37.5	21-MAR-94	8270	330	U	330	F
Diethylphthalate	SNL0093326	LWDS-05-BH13	37.5	22-MAR-94	8270	330	U	330	F
Diethylphthalate	SNL0093692	LWDS-05-BH14	37.5	23-MAR-94	8270	330	U	330	F
Diethylphthalate	SNL0091265	LWDS-MW1	39	22-AUG-92	8270	330	U	330	F
Diethylphthalate	SNL0093499	LWDS-05-BH11	40	20-MAR-94	8270	330	U	330	F
Diethylphthalate	SNL0093424	LWDS-05-BH12	40	21-MAR-94	8270	330	U	330	F
Diethylphthalate	SNL0093334	LWDS-05-BH13	40	22-MAR-94	8270	330	U	330	F

Table A-5: Organics analyses of soil samples from ER Site 5.

Analyte	Sample Number	Sample Location	Sample Depth (Ft)	Sample Date	Analytical Method	Amount Detected (ug/kg)	Qualifier	Method Detection Limit	Sample Type
Diethylphthalate	SNL0093625	LWDS-05-BH14	40	23-MAR-94	8270	330	U	330	F
Diethylphthalate	SNL0093507	LWDS-05-BH11	42.5	20-MAR-94	8270	330	U	330	F
Diethylphthalate	SNL0093515	LWDS-05-BH11	45	20-MAR-94	8270	330	U	330	F
Diethylphthalate	SNL0093432	LWDS-05-BH12	45	21-MAR-94	8270	330	U	330	F
Diethylphthalate	SNL0093342	LWDS-05-BH13	45	22-MAR-94	8270	330	U	330	F
Diethylphthalate	SNL0093629	LWDS-05-BH14	45	23-MAR-94	8270	330	U	330	F
Diethylphthalate	SNL0093523	LWDS-05-BH11	47.5	20-MAR-94	8270	330	U	330	F
Diethylphthalate	SNL0093531	LWDS-05-BH11	50	20-MAR-94	8270	330	U	330	F
Diethylphthalate	SNL0093440	LWDS-05-BH12	50	21-MAR-94	8270	330	U	330	F
Diethylphthalate	SNL0093358	LWDS-05-BH13	50	22-MAR-94	8270	330	U	330	F
Diethylphthalate	SNL0093350	LWDS-05-BH13	50	22-MAR-94	8270	330	U	330	F
Diethylphthalate	SNL0093633	LWDS-05-BH14	50	23-MAR-94	8270	330	U	330	F
Diethylphthalate	SNL0091267	LWDS-MW1	50	22-AUG-92	8270	330	U	330	F
Diethylphthalate	SNL0091269	LWDS-MW1	50	22-AUG-92	8270	330	U	330	D
Diethylphthalate	SNL0093539	LWDS-05-BH11	55	20-MAR-94	8270	330	U	330	F
Diethylphthalate	SNL0093456	LWDS-05-BH12	55	21-MAR-94	8270	330	U	330	D
Diethylphthalate	SNL0093448	LWDS-05-BH12	55	21-MAR-94	8270	330	U	330	F
Diethylphthalate	SNL0093366	LWDS-05-BH13	55	22-MAR-94	8270	330	U	330	F
Diethylphthalate	SNL0093637	LWDS-05-BH14	55	23-MAR-94	8270	330	U	330	F
Diethylphthalate	SNL0093547	LWDS-05-BH11	60	20-MAR-94	8270	330	U	330	F
Diethylphthalate	SNL0093645	LWDS-05-BH14	60	23-MAR-94	8270	330	U	330	D
Diethylphthalate	SNL0093641	LWDS-05-BH14	60	23-MAR-94	8270	330	U	330	F
Diethylphthalate	SNL0091271	LWDS-MW1	60	22-AUG-92	8270	330	U	330	F
Diethylphthalate	SNL0093555	LWDS-05-BH11	65	20-MAR-94	8270	330	U	330	F
Diethylphthalate	SNL0091278	LWDS-MW1	68	23-AUG-92	8270	330	U	330	F
Diethylphthalate	SNL0093563	LWDS-05-BH11	70	20-MAR-94	8270	330	U	330	F
Diethylphthalate	SNL0093571	LWDS-05-BH11	70	20-MAR-94	8270	330	U	330	D
Diethylphthalate	SNL0091280	LWDS-MW1	80	23-AUG-92	8270	330	U	330	F
Diethylphthalate	SNL0091284	LWDS-MW1	89	23-AUG-92	8270	330	U	330	D
Diethylphthalate	SNL0091282	LWDS-MW1	89	23-AUG-92	8270	330	U	330	F
Diethylphthalate	SNL0091286	LWDS-MW1	102	24-AUG-92	8270	330	U	330	F
Diethylphthalate	SNL0091290	LWDS-MW1	110	24-AUG-92	8270	330	U	330	F
Diethylphthalate	SNL0091288	LWDS-MW1	110	24-AUG-92	8270	330	U	330	F
Diethylphthalate	SNL0091295	LWDS-MW1	120	25-AUG-92	8270	330	U	330	F
Diethylphthalate	SNL0091297	LWDS-MW1	130	25-AUG-92	8270	330	U	330	F
Diethylphthalate	SNL0091583	LWDS-MW1	143	02-SEP-92	8270	330	U	330	F
Diethylphthalate	SNL0091585	LWDS-MW1	150	02-SEP-92	8270	330	U	330	F
Diethylphthalate	SNL0092988	LWDS-MW1	176	06-APR-93	8270	330	U	330	F
Diethylphthalate	SNL0092998	LWDS-MW1	202	08-APR-93	8270	330	U	330	F
Diethylphthalate	SNL0093012	LWDS-MW1	226	13-APR-93	8270	330	U	330	F
Diethylphthalate	SNL0093022	LWDS-MW1	250	14-APR-93	8270	330	U	330	F
Diethylphthalate	SNL0093034	LWDS-MW1	274	15-APR-93	8270	330	U	330	F
Diethylphthalate	SNL0093054	LWDS-MW1	315	17-APR-93	8270	330	U	330	F
Diethylphthalate	SNL0093044	LWDS-MW1	346	19-APR-93	8270	330	U	330	D
Diethylphthalate	SNL0093066	LWDS-MW1	346	19-APR-93	8270	330	U	330	F
Diethylphthalate	SNL0093078	LWDS-MW1	390	21-APR-93	8270	330	U	330	F
Diethylphthalate	SNL0093101	LWDS-MW1	444	27-APR-93	8270	330	U	330	F
Dimethylphenol, 2,4-	SNL0093720	LWDS-05-BH13	0	29-MAR-94	8270	330	U	330	F
Dimethylphenol, 2,4-	SNL0093123	LWDS-MW1	0	30-APR-93	8270	330	U	330	F
Dimethylphenol, 2,4-	SNL0093091	LWDS-MW1	0	21-APR-93	8270	330	U	330	F
Dimethylphenol, 2,4-	SNL0091259	LWDS-MW1	12	22-AUG-92	8270	330	U	330	F
Dimethylphenol, 2,4-	SNL0091261	LWDS-MW1	21	22-AUG-92	8270	330	U	330	F
Dimethylphenol, 2,4-	SNL0093474	LWDS-05-BH11	25	20-MAR-94	8270	330	U	330	F
Dimethylphenol, 2,4-	SNL0093384	LWDS-05-BH12	25	21-MAR-94	8270	330	U	330	F
Dimethylphenol, 2,4-	SNL0093294	LWDS-05-BH13	25	22-MAR-94	8270	330	U	330	F
Dimethylphenol, 2,4-	SNL0093676	LWDS-05-BH14	25	23-MAR-94	8270	330	U	330	F
Dimethylphenol, 2,4-	SNL0093482	LWDS-05-BH11	30	20-MAR-94	8270	330	U	330	F
Dimethylphenol, 2,4-	SNL0093392	LWDS-05-BH12	30	21-MAR-94	8270	330	U	330	F
Dimethylphenol, 2,4-	SNL0093302	LWDS-05-BH13	30	22-MAR-94	8270	330	U	330	F
Dimethylphenol, 2,4-	SNL0093680	LWDS-05-BH14	30	23-MAR-94	8270	330	U	330	F
Dimethylphenol, 2,4-	SNL0091263	LWDS-MW1	30	22-AUG-92	8270	330	U	330	F
Dimethylphenol, 2,4-	SNL0093400	LWDS-05-BH12	32.5	21-MAR-94	8270	330	U	330	F
Dimethylphenol, 2,4-	SNL0093310	LWDS-05-BH13	32.5	22-MAR-94	8270	330	U	330	F
Dimethylphenol, 2,4-	SNL0093684	LWDS-05-BH14	32.5	23-MAR-94	8270	330	U	330	F
Dimethylphenol, 2,4-	SNL0093491	LWDS-05-BH11	35	20-MAR-94	8270	330	U	330	F
Dimethylphenol, 2,4-	SNL0093408	LWDS-05-BH12	35	21-MAR-94	8270	330	U	330	F
Dimethylphenol, 2,4-	SNL0093318	LWDS-05-BH13	35	22-MAR-94	8270	330	U	330	F

Table A-5: Organics analyses of soil samples from ER Site 5.

Analyte	Sample Number	Sample Location	Sample Depth (Ft)	Sample Date	Analytical Method	Amount Detected (ug/kg)	Qualifier	Method Detection Limit	Sample Type
Dimethylphenol, 2,4-	SNL0093688	LWDS-05-BH14	35	23-MAR-94	8270	330	U	330	F
Dimethylphenol, 2,4-	SNL0093589	LWDS-05-BH11	37.5	20-MAR-94	8270	330	U	330	F
Dimethylphenol, 2,4-	SNL0093416	LWDS-05-BH12	37.5	21-MAR-94	8270	330	U	330	F
Dimethylphenol, 2,4-	SNL0093326	LWDS-05-BH13	37.5	22-MAR-94	8270	330	U	330	F
Dimethylphenol, 2,4-	SNL0093692	LWDS-05-BH14	37.5	23-MAR-94	8270	330	U	330	F
Dimethylphenol, 2,4-	SNL0091265	LWDS-MW1	39	22-AUG-92	8270	330	U	330	F
Dimethylphenol, 2,4-	SNL0093499	LWDS-05-BH11	40	20-MAR-94	8270	330	U	330	F
Dimethylphenol, 2,4-	SNL0093424	LWDS-05-BH12	40	21-MAR-94	8270	330	U	330	F
Dimethylphenol, 2,4-	SNL0093334	LWDS-05-BH13	40	22-MAR-94	8270	330	U	330	F
Dimethylphenol, 2,4-	SNL0093625	LWDS-05-BH14	40	23-MAR-94	8270	330	U	330	F
Dimethylphenol, 2,4-	SNL0093507	LWDS-05-BH11	42.5	20-MAR-94	8270	330	U	330	F
Dimethylphenol, 2,4-	SNL0093515	LWDS-05-BH11	45	20-MAR-94	8270	330	U	330	F
Dimethylphenol, 2,4-	SNL0093432	LWDS-05-BH12	45	21-MAR-94	8270	330	U	330	F
Dimethylphenol, 2,4-	SNL0093342	LWDS-05-BH13	45	22-MAR-94	8270	330	U	330	F
Dimethylphenol, 2,4-	SNL0093629	LWDS-05-BH14	45	23-MAR-94	8270	330	U	330	F
Dimethylphenol, 2,4-	SNL0093523	LWDS-05-BH11	47.5	20-MAR-94	8270	330	U	330	F
Dimethylphenol, 2,4-	SNL0093531	LWDS-05-BH11	50	20-MAR-94	8270	330	U	330	F
Dimethylphenol, 2,4-	SNL0093440	LWDS-05-BH12	50	21-MAR-94	8270	330	U	330	F
Dimethylphenol, 2,4-	SNL0093350	LWDS-05-BH13	50	22-MAR-94	8270	330	U	330	F
Dimethylphenol, 2,4-	SNL0093358	LWDS-05-BH13	50	22-MAR-94	8270	330	U	330	F
Dimethylphenol, 2,4-	SNL0093633	LWDS-05-BH14	50	23-MAR-94	8270	330	U	330	F
Dimethylphenol, 2,4-	SNL0091269	LWDS-MW1	50	22-AUG-92	8270	330	U	330	D
Dimethylphenol, 2,4-	SNL0091267	LWDS-MW1	50	22-AUG-92	8270	330	U	330	F
Dimethylphenol, 2,4-	SNL0093539	LWDS-05-BH11	55	20-MAR-94	8270	330	U	330	F
Dimethylphenol, 2,4-	SNL0093456	LWDS-05-BH12	55	21-MAR-94	8270	330	U	330	D
Dimethylphenol, 2,4-	SNL0093448	LWDS-05-BH12	55	21-MAR-94	8270	330	U	330	F
Dimethylphenol, 2,4-	SNL0093366	LWDS-05-BH13	55	22-MAR-94	8270	330	U	330	F
Dimethylphenol, 2,4-	SNL0093637	LWDS-05-BH14	55	23-MAR-94	8270	330	U	330	F
Dimethylphenol, 2,4-	SNL0093547	LWDS-05-BH11	60	20-MAR-94	8270	330	U	330	F
Dimethylphenol, 2,4-	SNL0093645	LWDS-05-BH14	60	23-MAR-94	8270	330	U	330	D
Dimethylphenol, 2,4-	SNL0093641	LWDS-05-BH14	60	23-MAR-94	8270	330	U	330	F
Dimethylphenol, 2,4-	SNL0091271	LWDS-MW1	60	22-AUG-92	8270	330	U	330	F
Dimethylphenol, 2,4-	SNL0093555	LWDS-05-BH11	65	20-MAR-94	8270	330	U	330	F
Dimethylphenol, 2,4-	SNL0091278	LWDS-MW1	68	23-AUG-92	8270	330	U	330	F
Dimethylphenol, 2,4-	SNL0093563	LWDS-05-BH11	70	20-MAR-94	8270	330	U	330	F
Dimethylphenol, 2,4-	SNL0093571	LWDS-05-BH11	70	20-MAR-94	8270	330	U	330	D
Dimethylphenol, 2,4-	SNL0091280	LWDS-MW1	80	23-AUG-92	8270	330	U	330	F
Dimethylphenol, 2,4-	SNL0091284	LWDS-MW1	89	23-AUG-92	8270	330	U	330	D
Dimethylphenol, 2,4-	SNL0091282	LWDS-MW1	89	23-AUG-92	8270	330	U	330	F
Dimethylphenol, 2,4-	SNL0091286	LWDS-MW1	102	24-AUG-92	8270	330	U	330	F
Dimethylphenol, 2,4-	SNL0091290	LWDS-MW1	110	24-AUG-92	8270	330	U	330	F
Dimethylphenol, 2,4-	SNL0091288	LWDS-MW1	110	24-AUG-92	8270	330	U	330	F
Dimethylphenol, 2,4-	SNL0091295	LWDS-MW1	120	25-AUG-92	8270	330	U	330	F
Dimethylphenol, 2,4-	SNL0091297	LWDS-MW1	130	25-AUG-92	8270	330	U	330	F
Dimethylphenol, 2,4-	SNL0091583	LWDS-MW1	143	02-SEP-92	8270	330	U	330	F
Dimethylphenol, 2,4-	SNL0091585	LWDS-MW1	150	02-SEP-92	8270	330	U	330	F
Dimethylphenol, 2,4-	SNL0092988	LWDS-MW1	176	06-APR-93	8270	330	U	330	F
Dimethylphenol, 2,4-	SNL0092998	LWDS-MW1	202	08-APR-93	8270	330	U	330	F
Dimethylphenol, 2,4-	SNL0093012	LWDS-MW1	226	13-APR-93	8270	330	U	330	F
Dimethylphenol, 2,4-	SNL0093022	LWDS-MW1	250	14-APR-93	8270	330	U	330	F
Dimethylphenol, 2,4-	SNL0093034	LWDS-MW1	274	15-APR-93	8270	330	U	330	F
Dimethylphenol, 2,4-	SNL0093054	LWDS-MW1	315	17-APR-93	8270	330	U	330	F
Dimethylphenol, 2,4-	SNL0093044	LWDS-MW1	346	19-APR-93	8270	330	U	330	D
Dimethylphenol, 2,4-	SNL0093066	LWDS-MW1	346	19-APR-93	8270	330	U	330	F
Dimethylphenol, 2,4-	SNL0093078	LWDS-MW1	390	21-APR-93	8270	330	U	330	F
Dimethylphenol, 2,4-	SNL0093101	LWDS-MW1	444	27-APR-93	8270	330	U	330	F
Dimethylphthalate	SNL0093720	LWDS-05-BH13	0	29-MAR-94	8270	330	U	330	F
Dimethylphthalate	SNL0093123	LWDS-MW1	0	30-APR-93	8270	330	U	330	F
Dimethylphthalate	SNL0093091	LWDS-MW1	0	21-APR-93	8270	330	U	330	F
Dimethylphthalate	SNL0091259	LWDS-MW1	12	22-AUG-92	8270	330	U	330	F
Dimethylphthalate	SNL0091261	LWDS-MW1	21	22-AUG-92	8270	330	U	330	F
Dimethylphthalate	SNL0093474	LWDS-05-BH11	25	20-MAR-94	8270	330	U	330	F
Dimethylphthalate	SNL0093384	LWDS-05-BH12	25	21-MAR-94	8270	330	U	330	F
Dimethylphthalate	SNL0093294	LWDS-05-BH13	25	22-MAR-94	8270	330	U	330	F
Dimethylphthalate	SNL0093676	LWDS-05-BH14	25	23-MAR-94	8270	330	U	330	F
Dimethylphthalate	SNL0093482	LWDS-05-BH11	30	20-MAR-94	8270	330	U	330	F
Dimethylphthalate	SNL0093392	LWDS-05-BH12	30	21-MAR-94	8270	330	U	330	F

Table A-5: Organics analyses of soil samples from ER Site 5.

Analyte	Sample Number	Sample Location	Sample Depth (Ft)	Sample Date	Analytical Method	Amount Detected (ug/kg)	Qualifier	Method Detection Limit	Sample Type
Dimethylphthalate	SNL0093302	LWDS-05-BH13	30	22-MAR-94	8270	330	U	330	F
Dimethylphthalate	SNL0093680	LWDS-05-BH14	30	23-MAR-94	8270	330	U	330	F
Dimethylphthalate	SNL0091263	LWDS-MW1	30	22-AUG-92	8270	330	U	330	F
Dimethylphthalate	SNL0093400	LWDS-05-BH12	32.5	21-MAR-94	8270	330	U	330	F
Dimethylphthalate	SNL0093310	LWDS-05-BH13	32.5	22-MAR-94	8270	330	U	330	F
Dimethylphthalate	SNL0093684	LWDS-05-BH14	32.5	23-MAR-94	8270	330	U	330	F
Dimethylphthalate	SNL0093491	LWDS-05-BH11	35	20-MAR-94	8270	330	U	330	F
Dimethylphthalate	SNL0093408	LWDS-05-BH12	35	21-MAR-94	8270	330	U	330	F
Dimethylphthalate	SNL0093318	LWDS-05-BH13	35	22-MAR-94	8270	330	U	330	F
Dimethylphthalate	SNL0093688	LWDS-05-BH14	35	23-MAR-94	8270	330	U	330	F
Dimethylphthalate	SNL0093589	LWDS-05-BH11	37.5	20-MAR-94	8270	330	U	330	F
Dimethylphthalate	SNL0093416	LWDS-05-BH12	37.5	21-MAR-94	8270	330	U	330	F
Dimethylphthalate	SNL0093326	LWDS-05-BH13	37.5	22-MAR-94	8270	330	U	330	F
Dimethylphthalate	SNL0093692	LWDS-05-BH14	37.5	23-MAR-94	8270	330	U	330	F
Dimethylphthalate	SNL0091265	LWDS-MW1	39	22-AUG-92	8270	330	U	330	F
Dimethylphthalate	SNL0093499	LWDS-05-BH11	40	20-MAR-94	8270	330	U	330	F
Dimethylphthalate	SNL0093424	LWDS-05-BH12	40	21-MAR-94	8270	330	U	330	F
Dimethylphthalate	SNL0093334	LWDS-05-BH13	40	22-MAR-94	8270	330	U	330	F
Dimethylphthalate	SNL0093625	LWDS-05-BH14	40	23-MAR-94	8270	330	U	330	F
Dimethylphthalate	SNL0093507	LWDS-05-BH11	42.5	20-MAR-94	8270	330	U	330	F
Dimethylphthalate	SNL0093515	LWDS-05-BH11	45	20-MAR-94	8270	330	U	330	F
Dimethylphthalate	SNL0093432	LWDS-05-BH12	45	21-MAR-94	8270	330	U	330	F
Dimethylphthalate	SNL0093342	LWDS-05-BH13	45	22-MAR-94	8270	330	U	330	F
Dimethylphthalate	SNL0093629	LWDS-05-BH14	45	23-MAR-94	8270	330	U	330	F
Dimethylphthalate	SNL0093523	LWDS-05-BH11	47.5	20-MAR-94	8270	330	U	330	F
Dimethylphthalate	SNL0093531	LWDS-05-BH11	50	20-MAR-94	8270	330	U	330	F
Dimethylphthalate	SNL0093440	LWDS-05-BH12	50	21-MAR-94	8270	330	U	330	F
Dimethylphthalate	SNL0093350	LWDS-05-BH13	50	22-MAR-94	8270	330	U	330	F
Dimethylphthalate	SNL0093358	LWDS-05-BH13	50	22-MAR-94	8270	330	U	330	F
Dimethylphthalate	SNL0093633	LWDS-05-BH14	50	23-MAR-94	8270	330	U	330	F
Dimethylphthalate	SNL0091269	LWDS-MW1	50	22-AUG-92	8270	330	U	330	D
Dimethylphthalate	SNL0091267	LWDS-MW1	50	22-AUG-92	8270	330	U	330	F
Dimethylphthalate	SNL0093539	LWDS-05-BH11	55	20-MAR-94	8270	330	U	330	F
Dimethylphthalate	SNL0093456	LWDS-05-BH12	55	21-MAR-94	8270	330	U	330	D
Dimethylphthalate	SNL0093448	LWDS-05-BH12	55	21-MAR-94	8270	330	U	330	F
Dimethylphthalate	SNL0093366	LWDS-05-BH13	55	22-MAR-94	8270	330	U	330	F
Dimethylphthalate	SNL0093637	LWDS-05-BH14	55	23-MAR-94	8270	330	U	330	F
Dimethylphthalate	SNL0093547	LWDS-05-BH11	60	20-MAR-94	8270	330	U	330	F
Dimethylphthalate	SNL0093645	LWDS-05-BH14	60	23-MAR-94	8270	330	U	330	D
Dimethylphthalate	SNL0093641	LWDS-05-BH14	60	23-MAR-94	8270	330	U	330	F
Dimethylphthalate	SNL0091271	LWDS-MW1	60	22-AUG-92	8270	330	U	330	F
Dimethylphthalate	SNL0093555	LWDS-05-BH11	65	20-MAR-94	8270	330	U	330	F
Dimethylphthalate	SNL0091278	LWDS-MW1	68	23-AUG-92	8270	330	U	330	F
Dimethylphthalate	SNL0093571	LWDS-05-BH11	70	20-MAR-94	8270	330	U	330	D
Dimethylphthalate	SNL0093563	LWDS-05-BH11	70	20-MAR-94	8270	330	U	330	F
Dimethylphthalate	SNL0091280	LWDS-MW1	80	23-AUG-92	8270	330	U	330	F
Dimethylphthalate	SNL0091284	LWDS-MW1	89	23-AUG-92	8270	330	U	330	D
Dimethylphthalate	SNL0091282	LWDS-MW1	89	23-AUG-92	8270	330	U	330	F
Dimethylphthalate	SNL0091286	LWDS-MW1	102	24-AUG-92	8270	330	U	330	F
Dimethylphthalate	SNL0091290	LWDS-MW1	110	24-AUG-92	8270	330	U	330	F
Dimethylphthalate	SNL0091288	LWDS-MW1	110	24-AUG-92	8270	330	U	330	F
Dimethylphthalate	SNL0091295	LWDS-MW1	120	25-AUG-92	8270	330	U	330	F
Dimethylphthalate	SNL0091297	LWDS-MW1	130	25-AUG-92	8270	330	U	330	F
Dimethylphthalate	SNL0091583	LWDS-MW1	143	02-SEP-92	8270	330	U	330	F
Dimethylphthalate	SNL0091585	LWDS-MW1	150	02-SEP-92	8270	330	U	330	F
Dimethylphthalate	SNL0092988	LWDS-MW1	176	06-APR-93	8270	330	U	330	F
Dimethylphthalate	SNL0092998	LWDS-MW1	202	08-APR-93	8270	330	U	330	F
Dimethylphthalate	SNL0093012	LWDS-MW1	226	13-APR-93	8270	330	U	330	F
Dimethylphthalate	SNL0093022	LWDS-MW1	250	14-APR-93	8270	330	U	330	F
Dimethylphthalate	SNL0093034	LWDS-MW1	274	15-APR-93	8270	330	U	330	F
Dimethylphthalate	SNL0093054	LWDS-MW1	315	17-APR-93	8270	330	U	330	F
Dimethylphthalate	SNL0093044	LWDS-MW1	346	19-APR-93	8270	330	U	330	D
Dimethylphthalate	SNL0093066	LWDS-MW1	346	19-APR-93	8270	330	U	330	F
Dimethylphthalate	SNL0093078	LWDS-MW1	390	21-APR-93	8270	330	U	330	F
Dimethylphthalate	SNL0093101	LWDS-MW1	444	27-APR-93	8270	330	U	330	F
Dinitro-o-cresol, 4,6-	SNL0093720	LWDS-05-BH13	0	29-MAR-94	8270	1600	U	1600	F
Dinitro-o-cresol, 4,6-	SNL0093091	LWDS-MW1	0	21-APR-93	8270	1600	U	1600	F

Table A-5: Organics analyses of soil samples from ER Site 5.

Analyte	Sample Number	Sample Location	Sample Depth (Ft)	Sample Date	Analytical Method	Amount Detected (ug/kg)	Qualifier	Method Detection Limit	Sample Type
Dinitro-o-cresol, 4,6-	SNL0093123	LWDS-MW1	0	30-APR-93	8270	1600	U	1600	F
Dinitro-o-cresol, 4,6-	SNL0091259	LWDS-MW1	12	22-AUG-92	8270	1600	U	1600	F
Dinitro-o-cresol, 4,6-	SNL0091261	LWDS-MW1	21	22-AUG-92	8270	1600	U	1600	F
Dinitro-o-cresol, 4,6-	SNL0093474	LWDS-05-BH11	25	20-MAR-94	8270	1600	U	1600	F
Dinitro-o-cresol, 4,6-	SNL0093384	LWDS-05-BH12	25	21-MAR-94	8270	1600	U	1600	F
Dinitro-o-cresol, 4,6-	SNL0093294	LWDS-05-BH13	25	22-MAR-94	8270	1600	U	1600	F
Dinitro-o-cresol, 4,6-	SNL0093676	LWDS-05-BH14	25	23-MAR-94	8270	1600	U	1600	F
Dinitro-o-cresol, 4,6-	SNL0093482	LWDS-05-BH11	30	20-MAR-94	8270	1600	U	1600	F
Dinitro-o-cresol, 4,6-	SNL0093392	LWDS-05-BH12	30	21-MAR-94	8270	1600	U	1600	F
Dinitro-o-cresol, 4,6-	SNL0093302	LWDS-05-BH13	30	22-MAR-94	8270	1600	U	1600	F
Dinitro-o-cresol, 4,6-	SNL0093680	LWDS-05-BH14	30	23-MAR-94	8270	1600	U	1600	F
Dinitro-o-cresol, 4,6-	SNL0091263	LWDS-MW1	30	22-AUG-92	8270	1600	U	1600	F
Dinitro-o-cresol, 4,6-	SNL0093400	LWDS-05-BH12	32.5	21-MAR-94	8270	1600	U	1600	F
Dinitro-o-cresol, 4,6-	SNL0093310	LWDS-05-BH13	32.5	22-MAR-94	8270	1600	U	1600	F
Dinitro-o-cresol, 4,6-	SNL0093684	LWDS-05-BH14	32.5	23-MAR-94	8270	1600	U	1600	F
Dinitro-o-cresol, 4,6-	SNL0093491	LWDS-05-BH11	35	20-MAR-94	8270	1600	U	1600	F
Dinitro-o-cresol, 4,6-	SNL0093408	LWDS-05-BH12	35	21-MAR-94	8270	1600	U	1600	F
Dinitro-o-cresol, 4,6-	SNL0093318	LWDS-05-BH13	35	22-MAR-94	8270	1600	U	1600	F
Dinitro-o-cresol, 4,6-	SNL0093688	LWDS-05-BH14	35	23-MAR-94	8270	1600	U	1600	F
Dinitro-o-cresol, 4,6-	SNL0093589	LWDS-05-BH11	37.5	20-MAR-94	8270	1600	U	1600	F
Dinitro-o-cresol, 4,6-	SNL0093416	LWDS-05-BH12	37.5	21-MAR-94	8270	1600	U	1600	F
Dinitro-o-cresol, 4,6-	SNL0093326	LWDS-05-BH13	37.5	22-MAR-94	8270	1600	U	1600	F
Dinitro-o-cresol, 4,6-	SNL0093692	LWDS-05-BH14	37.5	23-MAR-94	8270	1600	U	1600	F
Dinitro-o-cresol, 4,6-	SNL0091265	LWDS-MW1	39	22-AUG-92	8270	1600	U	1600	F
Dinitro-o-cresol, 4,6-	SNL0093499	LWDS-05-BH11	40	20-MAR-94	8270	1600	U	1600	F
Dinitro-o-cresol, 4,6-	SNL0093424	LWDS-05-BH12	40	21-MAR-94	8270	1600	U	1600	F
Dinitro-o-cresol, 4,6-	SNL0093334	LWDS-05-BH13	40	22-MAR-94	8270	1600	U	1600	F
Dinitro-o-cresol, 4,6-	SNL0093625	LWDS-05-BH14	40	23-MAR-94	8270	1600	U	1600	F
Dinitro-o-cresol, 4,6-	SNL0093507	LWDS-05-BH11	42.5	20-MAR-94	8270	1600	U	1600	F
Dinitro-o-cresol, 4,6-	SNL0093515	LWDS-05-BH11	45	20-MAR-94	8270	1600	U	1600	F
Dinitro-o-cresol, 4,6-	SNL0093432	LWDS-05-BH12	45	21-MAR-94	8270	1600	U	1600	F
Dinitro-o-cresol, 4,6-	SNL0093342	LWDS-05-BH13	45	22-MAR-94	8270	1600	U	1600	F
Dinitro-o-cresol, 4,6-	SNL0093629	LWDS-05-BH14	45	23-MAR-94	8270	1600	U	1600	F
Dinitro-o-cresol, 4,6-	SNL0093523	LWDS-05-BH11	47.5	20-MAR-94	8270	1600	U	1600	F
Dinitro-o-cresol, 4,6-	SNL0093531	LWDS-05-BH11	50	20-MAR-94	8270	1600	U	1600	F
Dinitro-o-cresol, 4,6-	SNL0093440	LWDS-05-BH12	50	21-MAR-94	8270	1600	U	1600	F
Dinitro-o-cresol, 4,6-	SNL0093358	LWDS-05-BH13	50	22-MAR-94	8270	1600	U	1600	F
Dinitro-o-cresol, 4,6-	SNL0093350	LWDS-05-BH13	50	22-MAR-94	8270	1600	U	1600	F
Dinitro-o-cresol, 4,6-	SNL0093633	LWDS-05-BH14	50	23-MAR-94	8270	1600	U	1600	F
Dinitro-o-cresol, 4,6-	SNL0091269	LWDS-MW1	50	22-AUG-92	8270	1600	U	1600	D
Dinitro-o-cresol, 4,6-	SNL0091267	LWDS-MW1	50	22-AUG-92	8270	1600	U	1600	F
Dinitro-o-cresol, 4,6-	SNL0093539	LWDS-05-BH11	55	20-MAR-94	8270	1600	U	1600	F
Dinitro-o-cresol, 4,6-	SNL0093448	LWDS-05-BH12	55	21-MAR-94	8270	1600	U	1600	F
Dinitro-o-cresol, 4,6-	SNL0093456	LWDS-05-BH12	55	21-MAR-94	8270	1600	U	1600	D
Dinitro-o-cresol, 4,6-	SNL0093366	LWDS-05-BH13	55	22-MAR-94	8270	1600	U	1600	F
Dinitro-o-cresol, 4,6-	SNL0093637	LWDS-05-BH14	55	23-MAR-94	8270	1600	U	1600	F
Dinitro-o-cresol, 4,6-	SNL0093547	LWDS-05-BH11	60	20-MAR-94	8270	1600	U	1600	F
Dinitro-o-cresol, 4,6-	SNL0093645	LWDS-05-BH14	60	23-MAR-94	8270	1600	U	1600	D
Dinitro-o-cresol, 4,6-	SNL0093641	LWDS-05-BH14	60	23-MAR-94	8270	1600	U	1600	F
Dinitro-o-cresol, 4,6-	SNL0091271	LWDS-MW1	60	22-AUG-92	8270	1600	U	1600	F
Dinitro-o-cresol, 4,6-	SNL0093555	LWDS-05-BH11	65	20-MAR-94	8270	1600	U	1600	F
Dinitro-o-cresol, 4,6-	SNL0091278	LWDS-MW1	68	23-AUG-92	8270	1600	U	1600	F
Dinitro-o-cresol, 4,6-	SNL0093571	LWDS-05-BH11	70	20-MAR-94	8270	1600	U	1600	D
Dinitro-o-cresol, 4,6-	SNL0093563	LWDS-05-BH11.	70	20-MAR-94	8270	1600	U	1600	F
Dinitro-o-cresol, 4,6-	SNL0091280	LWDS-MW1	80	23-AUG-92	8270	1600	U	1600	F
Dinitro-o-cresol, 4,6-	SNL0091284	LWDS-MW1	89	23-AUG-92	8270	1600	U	1600	D
Dinitro-o-cresol, 4,6-	SNL0091282	LWDS-MW1	89	23-AUG-92	8270	1600	U	1600	F
Dinitro-o-cresol, 4,6-	SNL0091286	LWDS-MW1	102	24-AUG-92	8270	1600	U	1600	F
Dinitro-o-cresol, 4,6-	SNL0091290	LWDS-MW1	110	24-AUG-92	8270	1600	U	1600	F
Dinitro-o-cresol, 4,6-	SNL0091288	LWDS-MW1	110	24-AUG-92	8270	1600	U	1600	F
Dinitro-o-cresol, 4,6-	SNL0091295	LWDS-MW1	120	25-AUG-92	8270	1600	U	1600	F
Dinitro-o-cresol, 4,6-	SNL0091297	LWDS-MW1	130	25-AUG-92	8270	1600	U	1600	F
Dinitro-o-cresol, 4,6-	SNL0091583	LWDS-MW1	143	02-SEP-92	8270	1600	U	1600	F
Dinitro-o-cresol, 4,6-	SNL0091585	LWDS-MW1	150	02-SEP-92	8270	1600	U	1600	F
Dinitro-o-cresol, 4,6-	SNL0092988	LWDS-MW1	176	06-APR-93	8270	1600	U	1600	F
Dinitro-o-cresol, 4,6-	SNL0092998	LWDS-MW1	202	08-APR-93	8270	1600	U	1600	F
Dinitro-o-cresol, 4,6-	SNL0093012	LWDS-MW1	226	13-APR-93	8270	1600	U	1600	F

Table A-5: Organics analyses of soil samples from ER Site 5.

Analyte	Sample Number	Sample Location	Sample Depth (Ft)	Sample Date	Analytical Method	Amount Detected (ug/kg)	Qualifier	Method Detection Limit	Sample Type
Dinitro-o-cresol, 4,6-	SNL0093022	LWDS-MW1	250	14-APR-93	8270	1600	U	1600	F
Dinitro-o-cresol, 4,6-	SNL0093034	LWDS-MW1	274	15-APR-93	8270	1600	U	1600	F
Dinitro-o-cresol, 4,6-	SNL0093054	LWDS-MW1	315	17-APR-93	8270	1600	U	1600	F
Dinitro-o-cresol, 4,6-	SNL0093044	LWDS-MW1	346	19-APR-93	8270	1600	U	1600	D
Dinitro-o-cresol, 4,6-	SNL0093066	LWDS-MW1	346	19-APR-93	8270	1600	U	1600	F
Dinitro-o-cresol, 4,6-	SNL0093078	LWDS-MW1	390	21-APR-93	8270	1600	U	1600	F
Dinitro-o-cresol, 4,6-	SNL0093101	LWDS-MW1	444	27-APR-93	8270	1600	U	1600	F
Dinitrophenol, 2,4-	SNL0093720	LWDS-05-BH13	0	29-MAR-94	8270	1600	U	1600	F
Dinitrophenol, 2,4-	SNL0093123	LWDS-MW1	0	30-APR-93	8270	1600	U	1600	F
Dinitrophenol, 2,4-	SNL0093091	LWDS-MW1	0	21-APR-93	8270	1600	U	1600	F
Dinitrophenol, 2,4-	SNL0091259	LWDS-MW1	12	22-AUG-92	8270	1600	U	1600	F
Dinitrophenol, 2,4-	SNL0091261	LWDS-MW1	21	22-AUG-92	8270	1600	U	1600	F
Dinitrophenol, 2,4-	SNL0093474	LWDS-05-BH11	25	20-MAR-94	8270	1600	U	1600	F
Dinitrophenol, 2,4-	SNL0093384	LWDS-05-BH12	25	21-MAR-94	8270	1600	U	1600	F
Dinitrophenol, 2,4-	SNL0093294	LWDS-05-BH13	25	22-MAR-94	8270	1600	U	1600	F
Dinitrophenol, 2,4-	SNL0093676	LWDS-05-BH14	25	23-MAR-94	8270	1600	U	1600	F
Dinitrophenol, 2,4-	SNL0093482	LWDS-05-BH11	30	20-MAR-94	8270	1600	U	1600	F
Dinitrophenol, 2,4-	SNL0093392	LWDS-05-BH12	30	21-MAR-94	8270	1600	U	1600	F
Dinitrophenol, 2,4-	SNL0093302	LWDS-05-BH13	30	22-MAR-94	8270	1600	U	1600	F
Dinitrophenol, 2,4-	SNL0093680	LWDS-05-BH14	30	23-MAR-94	8270	1600	U	1600	F
Dinitrophenol, 2,4-	SNL0091263	LWDS-MW1	30	22-AUG-92	8270	1600	U	1600	F
Dinitrophenol, 2,4-	SNL0093400	LWDS-05-BH12	32.5	21-MAR-94	8270	1600	U	1600	F
Dinitrophenol, 2,4-	SNL0093310	LWDS-05-BH13	32.5	22-MAR-94	8270	1600	U	1600	F
Dinitrophenol, 2,4-	SNL0093684	LWDS-05-BH14	32.5	23-MAR-94	8270	1600	U	1600	F
Dinitrophenol, 2,4-	SNL0093491	LWDS-05-BH11	35	20-MAR-94	8270	1600	U	1600	F
Dinitrophenol, 2,4-	SNL0093408	LWDS-05-BH12	35	21-MAR-94	8270	1600	U	1600	F
Dinitrophenol, 2,4-	SNL0093318	LWDS-05-BH13	35	22-MAR-94	8270	1600	U	1600	F
Dinitrophenol, 2,4-	SNL0093688	LWDS-05-BH14	35	23-MAR-94	8270	1600	U	1600	F
Dinitrophenol, 2,4-	SNL0093589	LWDS-05-BH11	37.5	20-MAR-94	8270	1600	U	1600	F
Dinitrophenol, 2,4-	SNL0093416	LWDS-05-BH12	37.5	21-MAR-94	8270	1600	U	1600	F
Dinitrophenol, 2,4-	SNL0093326	LWDS-05-BH13	37.5	22-MAR-94	8270	1600	U	1600	F
Dinitrophenol, 2,4-	SNL0093692	LWDS-05-BH14	37.5	23-MAR-94	8270	1600	U	1600	F
Dinitrophenol, 2,4-	SNL0091265	LWDS-MW1	39	22-AUG-92	8270	1600	U	1600	F
Dinitrophenol, 2,4-	SNL0093499	LWDS-05-BH11	40	20-MAR-94	8270	1600	U	1600	F
Dinitrophenol, 2,4-	SNL0093424	LWDS-05-BH12	40	21-MAR-94	8270	1600	U	1600	F
Dinitrophenol, 2,4-	SNL0093334	LWDS-05-BH13	40	22-MAR-94	8270	1600	U	1600	F
Dinitrophenol, 2,4-	SNL0093625	LWDS-05-BH14	40	23-MAR-94	8270	1600	U	1600	F
Dinitrophenol, 2,4-	SNL0093507	LWDS-05-BH11	42.5	20-MAR-94	8270	1600	U	1600	F
Dinitrophenol, 2,4-	SNL0093515	LWDS-05-BH11	45	20-MAR-94	8270	1600	U	1600	F
Dinitrophenol, 2,4-	SNL0093432	LWDS-05-BH12	45	21-MAR-94	8270	1600	U	1600	F
Dinitrophenol, 2,4-	SNL0093342	LWDS-05-BH13	45	22-MAR-94	8270	1600	U	1600	F
Dinitrophenol, 2,4-	SNL0093629	LWDS-05-BH14	45	23-MAR-94	8270	1600	U	1600	F
Dinitrophenol, 2,4-	SNL0093523	LWDS-05-BH11	47.5	20-MAR-94	8270	1600	U	1600	F
Dinitrophenol, 2,4-	SNL0093531	LWDS-05-BH11	50	20-MAR-94	8270	1600	U	1600	F
Dinitrophenol, 2,4-	SNL0093440	LWDS-05-BH12	50	21-MAR-94	8270	1600	U	1600	F
Dinitrophenol, 2,4-	SNL0093358	LWDS-05-BH13	50	22-MAR-94	8270	1600	U	1600	F
Dinitrophenol, 2,4-	SNL0093350	LWDS-05-BH13	50	22-MAR-94	8270	1600	U	1600	F
Dinitrophenol, 2,4-	SNL0093633	LWDS-05-BH14	50	23-MAR-94	8270	1600	U	1600	F
Dinitrophenol, 2,4-	SNL0091269	LWDS-MW1	50	22-AUG-92	8270	1600	U	1600	D
Dinitrophenol, 2,4-	SNL0091267	LWDS-MW1	50	22-AUG-92	8270	1600	U	1600	F
Dinitrophenol, 2,4-	SNL0093539	LWDS-05-BH11	55	20-MAR-94	8270	1600	U	1600	F
Dinitrophenol, 2,4-	SNL0093456	LWDS-05-BH12	55	21-MAR-94	8270	1600	U	1600	D
Dinitrophenol, 2,4-	SNL0093448	LWDS-05-BH12	55	21-MAR-94	8270	1600	U	1600	F
Dinitrophenol, 2,4-	SNL0093366	LWDS-05-BH13	55	22-MAR-94	8270	1600	U	1600	F
Dinitrophenol, 2,4-	SNL0093637	LWDS-05-BH14	55	23-MAR-94	8270	1600	U	1600	F
Dinitrophenol, 2,4-	SNL0093547	LWDS-05-BH11	60	20-MAR-94	8270	1600	U	1600	F
Dinitrophenol, 2,4-	SNL0093645	LWDS-05-BH14	60	23-MAR-94	8270	1600	U	1600	D
Dinitrophenol, 2,4-	SNL0093641	LWDS-05-BH14	60	23-MAR-94	8270	1600	U	1600	F
Dinitrophenol, 2,4-	SNL0091271	LWDS-MW1	60	22-AUG-92	8270	1600	U	1600	F
Dinitrophenol, 2,4-	SNL0093555	LWDS-05-BH11	65	20-MAR-94	8270	1600	U	1600	F
Dinitrophenol, 2,4-	SNL0091278	LWDS-MW1	68	23-AUG-92	8270	1600	U	1600	F
Dinitrophenol, 2,4-	SNL0093571	LWDS-05-BH11	70	20-MAR-94	8270	1600	U	1600	D
Dinitrophenol, 2,4-	SNL0093563	LWDS-05-BH11	70	20-MAR-94	8270	1600	U	1600	F
Dinitrophenol, 2,4-	SNL0091280	LWDS-MW1	80	23-AUG-92	8270	1600	U	1600	F
Dinitrophenol, 2,4-	SNL0091284	LWDS-MW1	89	23-AUG-92	8270	1600	U	1600	D
Dinitrophenol, 2,4-	SNL0091282	LWDS-MW1	89	23-AUG-92	8270	1600	U	1600	F
Dinitrophenol, 2,4-	SNL0091286	LWDS-MW1	102	24-AUG-92	8270	1600	U	1600	F

Table A-5: Organics analyses of soil samples from ER Site 5.

Analyte	Sample Number	Sample Location	Sample Depth (Ft)	Sample Date	Analytical Method	Amount Detected (ug/kg)	Qualifier	Method Detection Limit	Sample Type
Dinitrophenol, 2,4-	SNL0091290	LWDS-MW1	110	24-AUG-92	8270	1600	U	1600	F
Dinitrophenol, 2,4-	SNL0091288	LWDS-MW1	110	24-AUG-92	8270	1600	U	1600	F
Dinitrophenol, 2,4-	SNL0091295	LWDS-MW1	120	25-AUG-92	8270	1600	U	1600	F
Dinitrophenol, 2,4-	SNL0091297	LWDS-MW1	130	25-AUG-92	8270	1600	U	1600	F
Dinitrophenol, 2,4-	SNL0091583	LWDS-MW1	143	02-SEP-92	8270	1600	U	1600	F
Dinitrophenol, 2,4-	SNL0091585	LWDS-MW1	150	02-SEP-92	8270	1600	U	1600	F
Dinitrophenol, 2,4-	SNL0092988	LWDS-MW1	176	06-APR-93	8270	1600	U	1600	F
Dinitrophenol, 2,4-	SNL0092998	LWDS-MW1	202	08-APR-93	8270	1600	U	1600	F
Dinitrophenol, 2,4-	SNL0093012	LWDS-MW1	226	13-APR-93	8270	1600	U	1600	F
Dinitrophenol, 2,4-	SNL0093022	LWDS-MW1	250	14-APR-93	8270	1600	U	1600	F
Dinitrophenol, 2,4-	SNL0093034	LWDS-MW1	274	15-APR-93	8270	1600	U	1600	F
Dinitrophenol, 2,4-	SNL0093054	LWDS-MW1	315	17-APR-93	8270	1600	U	1600	F
Dinitrophenol, 2,4-	SNL0093044	LWDS-MW1	346	19-APR-93	8270	1600	U	1600	D
Dinitrophenol, 2,4-	SNL0093066	LWDS-MW1	346	19-APR-93	8270	1600	U	1600	F
Dinitrophenol, 2,4-	SNL0093078	LWDS-MW1	390	21-APR-93	8270	1600	U	1600	F
Dinitrophenol, 2,4-	SNL0093101	LWDS-MW1	444	27-APR-93	8270	1600	U	1600	F
Dinitrotoluene, 2,6-	SNL0093720	LWDS-05-BH13	0	29-MAR-94	8270	330	U	330	F
Dinitrotoluene, 2,6-	SNL0093091	LWDS-MW1	0	21-APR-93	8270	330	U	330	F
Dinitrotoluene, 2,6-	SNL0093123	LWDS-MW1	0	30-APR-93	8270	330	U	330	F
Dinitrotoluene, 2,6-	SNL0091259	LWDS-MW1	12	22-AUG-92	8270	330	U	330	F
Dinitrotoluene, 2,6-	SNL0091261	LWDS-MW1	21	22-AUG-92	8270	330	U	330	F
Dinitrotoluene, 2,6-	SNL0093474	LWDS-05-BH11	25	20-MAR-94	8270	330	U	330	F
Dinitrotoluene, 2,6-	SNL0093384	LWDS-05-BH12	25	21-MAR-94	8270	330	U	330	F
Dinitrotoluene, 2,6-	SNL0093294	LWDS-05-BH13	25	22-MAR-94	8270	330	U	330	F
Dinitrotoluene, 2,6-	SNL0093676	LWDS-05-BH14	25	23-MAR-94	8270	330	U	330	F
Dinitrotoluene, 2,6-	SNL0093482	LWDS-05-BH11	30	20-MAR-94	8270	330	U	330	F
Dinitrotoluene, 2,6-	SNL0093392	LWDS-05-BH12	30	21-MAR-94	8270	330	U	330	F
Dinitrotoluene, 2,6-	SNL0093302	LWDS-05-BH13	30	22-MAR-94	8270	330	U	330	F
Dinitrotoluene, 2,6-	SNL0093680	LWDS-05-BH14	30	23-MAR-94	8270	330	U	330	F
Dinitrotoluene, 2,6-	SNL0091263	LWDS-MW1	30	22-AUG-92	8270	330	U	330	F
Dinitrotoluene, 2,6-	SNL0093400	LWDS-05-BH12	32.5	21-MAR-94	8270	330	U	330	F
Dinitrotoluene, 2,6-	SNL0093310	LWDS-05-BH13	32.5	22-MAR-94	8270	330	U	330	F
Dinitrotoluene, 2,6-	SNL0093684	LWDS-05-BH14	32.5	23-MAR-94	8270	330	U	330	F
Dinitrotoluene, 2,6-	SNL0093491	LWDS-05-BH11	35	20-MAR-94	8270	330	U	330	F
Dinitrotoluene, 2,6-	SNL0093408	LWDS-05-BH12	35	21-MAR-94	8270	330	U	330	F
Dinitrotoluene, 2,6-	SNL0093318	LWDS-05-BH13	35	22-MAR-94	8270	330	U	330	F
Dinitrotoluene, 2,6-	SNL0093688	LWDS-05-BH14	35	23-MAR-94	8270	330	U	330	F
Dinitrotoluene, 2,6-	SNL0093589	LWDS-05-BH11	37.5	20-MAR-94	8270	330	U	330	F
Dinitrotoluene, 2,6-	SNL0093416	LWDS-05-BH12	37.5	21-MAR-94	8270	330	U	330	F
Dinitrotoluene, 2,6-	SNL0093326	LWDS-05-BH13	37.5	22-MAR-94	8270	330	U	330	F
Dinitrotoluene, 2,6-	SNL0093692	LWDS-05-BH14	37.5	23-MAR-94	8270	330	U	330	F
Dinitrotoluene, 2,6-	SNL0091265	LWDS-MW1	39	22-AUG-92	8270	330	U	330	F
Dinitrotoluene, 2,6-	SNL0093499	LWDS-05-BH11	40	20-MAR-94	8270	330	U	330	F
Dinitrotoluene, 2,6-	SNL0093424	LWDS-05-BH12	40	21-MAR-94	8270	330	U	330	F
Dinitrotoluene, 2,6-	SNL0093334	LWDS-05-BH13	40	22-MAR-94	8270	330	U	330	F
Dinitrotoluene, 2,6-	SNL0093625	LWDS-05-BH14	40	23-MAR-94	8270	330	U	330	F
Dinitrotoluene, 2,6-	SNL0093507	LWDS-05-BH11	42.5	20-MAR-94	8270	330	U	330	F
Dinitrotoluene, 2,6-	SNL0093515	LWDS-05-BH11	45	20-MAR-94	8270	330	U	330	F
Dinitrotoluene, 2,6-	SNL0093432	LWDS-05-BH12	45	21-MAR-94	8270	330	U	330	F
Dinitrotoluene, 2,6-	SNL0093342	LWDS-05-BH13	45	22-MAR-94	8270	330	U	330	F
Dinitrotoluene, 2,6-	SNL0093629	LWDS-05-BH14	45	23-MAR-94	8270	330	U	330	F
Dinitrotoluene, 2,6-	SNL0093523	LWDS-05-BH11	47.5	20-MAR-94	8270	330	U	330	F
Dinitrotoluene, 2,6-	SNL0093531	LWDS-05-BH11	50	20-MAR-94	8270	330	U	330	F
Dinitrotoluene, 2,6-	SNL0093440	LWDS-05-BH12	50	21-MAR-94	8270	330	U	330	F
Dinitrotoluene, 2,6-	SNL0093350	LWDS-05-BH13	50	22-MAR-94	8270	330	U	330	F
Dinitrotoluene, 2,6-	SNL0093358	LWDS-05-BH13	50	22-MAR-94	8270	330	U	330	F
Dinitrotoluene, 2,6-	SNL0093633	LWDS-05-BH14	50	23-MAR-94	8270	330	U	330	F
Dinitrotoluene, 2,6-	SNL0091267	LWDS-MW1	50	22-AUG-92	8270	330	U	330	F
Dinitrotoluene, 2,6-	SNL0091269	LWDS-MW1	50	22-AUG-92	8270	330	U	330	D
Dinitrotoluene, 2,6-	SNL0093539	LWDS-05-BH11	55	20-MAR-94	8270	330	U	330	F
Dinitrotoluene, 2,6-	SNL0093456	LWDS-05-BH12	55	21-MAR-94	8270	330	U	330	D
Dinitrotoluene, 2,6-	SNL0093448	LWDS-05-BH12	55	21-MAR-94	8270	330	U	330	F
Dinitrotoluene, 2,6-	SNL0093366	LWDS-05-BH13	55	22-MAR-94	8270	330	U	330	F
Dinitrotoluene, 2,6-	SNL0093637	LWDS-05-BH14	55	23-MAR-94	8270	330	U	330	F
Dinitrotoluene, 2,6-	SNL0093547	LWDS-05-BH11	60	20-MAR-94	8270	330	U	330	F
Dinitrotoluene, 2,6-	SNL0093645	LWDS-05-BH14	60	23-MAR-94	8270	330	U	330	D
Dinitrotoluene, 2,6-	SNL0093641	LWDS-05-BH14	60	23-MAR-94	8270	330	U	330	F

Table A-5: Organics analyses of soil samples from ER Site 5.

Analyte	Sample Number	Sample Location	Sample Depth (Ft)	Sample Date	Analytical Method	Amount Detected (ug/kg)	Qualifier	Method Detection Limit	Sample Type
Dinitrotoluene, 2,6-	SNL0091271	LWDS-MW1	60	22-AUG-92	8270	330	U	330	F
Dinitrotoluene, 2,6-	SNL0093555	LWDS-05-BH11	65	20-MAR-94	8270	330	U	330	F
Dinitrotoluene, 2,6-	SNL0091278	LWDS-MW1	68	23-AUG-92	8270	330	U	330	F
Dinitrotoluene, 2,6-	SNL0093571	LWDS-05-BH11	70	20-MAR-94	8270	330	U	330	D
Dinitrotoluene, 2,6-	SNL0093563	LWDS-05-BH11	70	20-MAR-94	8270	330	U	330	F
Dinitrotoluene, 2,6-	SNL0091280	LWDS-MW1	80	23-AUG-92	8270	330	U	330	F
Dinitrotoluene, 2,6-	SNL0091284	LWDS-MW1	89	23-AUG-92	8270	330	U	330	D
Dinitrotoluene, 2,6-	SNL0091282	LWDS-MW1	89	23-AUG-92	8270	330	U	330	F
Dinitrotoluene, 2,6-	SNL0091286	LWDS-MW1	102	24-AUG-92	8270	330	U	330	F
Dinitrotoluene, 2,6-	SNL0091290	LWDS-MW1	110	24-AUG-92	8270	330	U	330	F
Dinitrotoluene, 2,6-	SNL0091288	LWDS-MW1	110	24-AUG-92	8270	330	U	330	F
Dinitrotoluene, 2,6-	SNL0091295	LWDS-MW1	120	25-AUG-92	8270	330	U	330	F
Dinitrotoluene, 2,6-	SNL0091297	LWDS-MW1	130	25-AUG-92	8270	330	U	330	F
Dinitrotoluene, 2,6-	SNL0091583	LWDS-MW1	143	02-SEP-92	8270	330	U	330	F
Dinitrotoluene, 2,6-	SNL0091585	LWDS-MW1	150	02-SEP-92	8270	330	U	330	F
Dinitrotoluene, 2,6-	SNL0092988	LWDS-MW1	176	06-APR-93	8270	330	U	330	F
Dinitrotoluene, 2,6-	SNL0092998	LWDS-MW1	202	08-APR-93	8270	330	U	330	F
Dinitrotoluene, 2,6-	SNL0093012	LWDS-MW1	226	13-APR-93	8270	330	U	330	F
Dinitrotoluene, 2,6-	SNL0093022	LWDS-MW1	250	14-APR-93	8270	330	U	330	F
Dinitrotoluene, 2,6-	SNL0093034	LWDS-MW1	274	15-APR-93	8270	330	U	330	F
Dinitrotoluene, 2,6-	SNL0093054	LWDS-MW1	315	17-APR-93	8270	330	U	330	F
Dinitrotoluene, 2,6-	SNL0093044	LWDS-MW1	346	19-APR-93	8270	330	U	330	D
Dinitrotoluene, 2,6-	SNL0093066	LWDS-MW1	346	19-APR-93	8270	330	U	330	F
Dinitrotoluene, 2,6-	SNL0093078	LWDS-MW1	390	21-APR-93	8270	330	U	330	F
Dinitrotoluene, 2,6-	SNL0093101	LWDS-MW1	444	27-APR-93	8270	330	U	330	F
Ethyl benzene	SNL0093572	LWDS-05-BH11	0	20-MAR-94	8240	5	U	5	TB
Ethyl benzene	SNL0093466	LWDS-05-BH12	0	21-MAR-94	8240	5	U	5	TB
Ethyl benzene	SNL0093375	LWDS-05-BH13	0	22-MAR-94	8240	5	U	5	TB
Ethyl benzene	SNL0093717	LWDS-05-BH13	0	29-MAR-94	8240	5	U	5	F
Ethyl benzene	SNL0093655	LWDS-05-BH14	0	23-MAR-94	8240	5	U	5	TB
Ethyl benzene	SNL0093115	LWDS-MW1	0	30-APR-93	8240	5	U	5	F
Ethyl benzene	SNL0093083	LWDS-MW1	0	21-APR-93	8240	5	U	5	F
Ethyl benzene	SNL0091258	LWDS-MW1	12	22-AUG-92	8240	5	U	5	F
Ethyl benzene	SNL0091260	LWDS-MW1	21	22-AUG-92	8240	5	U	5	F
Ethyl benzene	SNL0093467	LWDS-05-BH11	25	20-MAR-94	8240	5	U	5	F
Ethyl benzene	SNL0093377	LWDS-05-BH12	25	21-MAR-94	8240	5	U	5	F
Ethyl benzene	SNL0093287	LWDS-05-BH13	25	22-MAR-94	8240	5	U	5	F
Ethyl benzene	SNL0093673	LWDS-05-BH14	25	23-MAR-94	8240	5	U	5	F
Ethyl benzene	SNL0093475	LWDS-05-BH11	30	20-MAR-94	8240	5	U	5	F
Ethyl benzene	SNL0093385	LWDS-05-BH12	30	21-MAR-94	8240	5	U	5	F
Ethyl benzene	SNL0093295	LWDS-05-BH13	30	22-MAR-94	8240	5	U	5	F
Ethyl benzene	SNL0093677	LWDS-05-BH14	30	23-MAR-94	8240	5	U	5	F
Ethyl benzene	SNL0091262	LWDS-MW1	30	22-AUG-92	8240	5	U	5	F
Ethyl benzene	SNL0093483	LWDS-05-BH11	32.5	20-MAR-94	8240	5	U	5	F
Ethyl benzene	SNL0093393	LWDS-05-BH12	32.5	21-MAR-94	8240	5	U	5	F
Ethyl benzene	SNL0093303	LWDS-05-BH13	32.5	22-MAR-94	8240	5	U	5	F
Ethyl benzene	SNL0093681	LWDS-05-BH14	32.5	23-MAR-94	8240	5	U	5	F
Ethyl benzene	SNL0093484	LWDS-05-BH11	35	20-MAR-94	8240	5	U	5	F
Ethyl benzene	SNL0093401	LWDS-05-BH12	35	21-MAR-94	8240	5	U	5	F
Ethyl benzene	SNL0093311	LWDS-05-BH13	35	22-MAR-94	8240	5	U	5	F
Ethyl benzene	SNL0093685	LWDS-05-BH14	35	23-MAR-94	8240	5	U	5	F
Ethyl benzene	SNL0093582	LWDS-05-BH11	37.5	20-MAR-94	8240	5	U	5	F
Ethyl benzene	SNL0093409	LWDS-05-BH12	37.5	21-MAR-94	8240	5	U	5	F
Ethyl benzene	SNL0093319	LWDS-05-BH13	37.5	22-MAR-94	8240	5	U	5	F
Ethyl benzene	SNL0093689	LWDS-05-BH14	37.5	23-MAR-94	8240	5	U	5	F
Ethyl benzene	SNL0091264	LWDS-MW1	39	22-AUG-92	8240	5	U	5	F
Ethyl benzene	SNL0093492	LWDS-05-BH11	40	20-MAR-94	8240	5	U	5	F
Ethyl benzene	SNL0093417	LWDS-05-BH12	40	21-MAR-94	8240	5	U	5	F
Ethyl benzene	SNL0093327	LWDS-05-BH13	40	22-MAR-94	8240	5	U	5	F
Ethyl benzene	SNL0093693	LWDS-05-BH14	40	23-MAR-94	8240	5	U	5	F
Ethyl benzene	SNL0093500	LWDS-05-BH11	42.5	20-MAR-94	8240	5	U	5	F
Ethyl benzene	SNL0093508	LWDS-05-BH11	45	20-MAR-94	8240	5	U	5	F
Ethyl benzene	SNL0093425	LWDS-05-BH12	45	21-MAR-94	8240	5	U	5	F
Ethyl benzene	SNL0093335	LWDS-05-BH13	45	22-MAR-94	8240	5	U	5	F
Ethyl benzene	SNL0093626	LWDS-05-BH14	45	23-MAR-94	8240	5	U	5	F
Ethyl benzene	SNL0093516	LWDS-05-BH11	47.5	20-MAR-94	8240	5	U	5	F
Ethyl benzene	SNL0093524	LWDS-05-BH11	50	20-MAR-94	8240	5	U	5	F

Table A-5: Organics analyses of soil samples from ER Site 5.

Analyte	Sample Number	Sample Location	Sample Depth (Ft)	Sample Date	Analytical Method	Amount Detected (ug/kg)	Qualifier	Method Detection Limit	Sample Type
Ethyl benzene	SNL0093433	LWDS-05-BH12	50	21-MAR-94	8240	5	U	5	F
Ethyl benzene	SNL0093343	LWDS-05-BH13	50	22-MAR-94	8240	5	U	5	F
Ethyl benzene	SNL0093351	LWDS-05-BH13	50	22-MAR-94	8240	5	U	5	D
Ethyl benzene	SNL0093630	LWDS-05-BH14	50	23-MAR-94	8240	5	U	5	F
Ethyl benzene	SNL0091268	LWDS-MW1	50	22-AUG-92	8240	5	U	5	D
Ethyl benzene	SNL0091266	LWDS-MW1	50	22-AUG-92	8240	5	U	5	F
Ethyl benzene	SNL0093532	LWDS-05-BH11	55	20-MAR-94	8240	5	U	5	F
Ethyl benzene	SNL0093441	LWDS-05-BH12	55	21-MAR-94	8240	5	U	5	F
Ethyl benzene	SNL0093449	LWDS-05-BH12	55	21-MAR-94	8240	5	U	5	D
Ethyl benzene	SNL0093359	LWDS-05-BH13	55	22-MAR-94	8240	5	U	5	F
Ethyl benzene	SNL0093634	LWDS-05-BH14	55	23-MAR-94	8240	5	U	5	F
Ethyl benzene	SNL0093540	LWDS-05-BH11	60	20-MAR-94	8240	5	U	5	F
Ethyl benzene	SNL0093642	LWDS-05-BH14	60	23-MAR-94	8240	5	U	5	D
Ethyl benzene	SNL0093638	LWDS-05-BH14	60	23-MAR-94	8240	5	U	5	F
Ethyl benzene	SNL0091270	LWDS-MW1	60	22-AUG-92	8240	5	U	5	F
Ethyl benzene	SNL0093548	LWDS-05-BH11	65	20-MAR-94	8240	5	U	5	F
Ethyl benzene	SNL0091277	LWDS-MW1	68	23-AUG-92	8240	5	U	5	F
Ethyl benzene	SNL0093564	LWDS-05-BH11	70	20-MAR-94	8240	5	U	5	D
Ethyl benzene	SNL0093556	LWDS-05-BH11	70	20-MAR-94	8240	5	U	5	F
Ethyl benzene	SNL0091279	LWDS-MW1	80	23-AUG-92	8240	5	U	5	F
Ethyl benzene	SNL0091283	LWDS-MW1	89	23-AUG-92	8240	5	U	5	D
Ethyl benzene	SNL0091281	LWDS-MW1	89	23-AUG-92	8240	5	U	5	F
Ethyl benzene	SNL0091285	LWDS-MW1	102	24-AUG-92	8240	5	U	5	F
Ethyl benzene	SNL0091287	LWDS-MW1	110	24-AUG-92	8240	5	U	5	F
Ethyl benzene	SNL0091289	LWDS-MW1	110	24-AUG-92	8240	5	U	5	F
Ethyl benzene	SNL0091294	LWDS-MW1	120	25-AUG-92	8240	5	U	5	F
Ethyl benzene	SNL0091296	LWDS-MW1	130	25-AUG-92	8240	5	U	5	F
Ethyl benzene	SNL0091582	LWDS-MW1	143	02-SEP-92	8240	5	U	5	F
Ethyl benzene	SNL0091584	LWDS-MW1	150	02-SEP-92	8240	5	U	5	F
Ethyl benzene	SNL0092980	LWDS-MW1	176	06-APR-93	8240	5	U	5	F
Ethyl benzene	SNL0092990	LWDS-MW1	202	08-APR-93	8240	5	U	5	F
Ethyl benzene	SNL0093004	LWDS-MW1	226	13-APR-93	8240	5	U	5	F
Ethyl benzene	SNL0093014	LWDS-MW1	250	14-APR-93	8240	5	U	5	F
Ethyl benzene	SNL0093026	LWDS-MW1	274	15-APR-93	8240	5	U	5	F
Ethyl benzene	SNL0093046	LWDS-MW1	315	17-APR-93	8240	5	U	5	F
Ethyl benzene	SNL0093036	LWDS-MW1	346	19-APR-93	8240	5	U	5	D
Ethyl benzene	SNL0093058	LWDS-MW1	346	19-APR-93	8240	5	U	5	F
Ethyl benzene	SNL0093070	LWDS-MW1	390	21-APR-93	8240	5	U	5	F
Ethyl benzene	SNL0093093	LWDS-MW1	444	27-APR-93	8240	5	U	5	F
Ethylhexyl)phthalate, bis(2-	SNL0093720	LWDS-05-BH13	0	29-MAR-94	8270	160	J	330	F
Ethylhexyl)phthalate, bis(2-	SNL0093123	LWDS-MW1	0	30-APR-93	8270	330	U	330	F
Ethylhexyl)phthalate, bis(2-	SNL0093091	LWDS-MW1	0	21-APR-93	8270	250	J	330	F
Ethylhexyl)phthalate, bis(2-	SNL0091259	LWDS-MW1	12	22-AUG-92	8270	330	U	330	F
Ethylhexyl)phthalate, bis(2-	SNL0091261	LWDS-MW1	21	22-AUG-92	8270	330	U	330	F
Ethylhexyl)phthalate, bis(2-	SNL0093474	LWDS-05-BH11	25	20-MAR-94	8270	330	U	330	F
Ethylhexyl)phthalate, bis(2-	SNL0093384	LWDS-05-BH12	25	21-MAR-94	8270	34	J	330	F
Ethylhexyl)phthalate, bis(2-	SNL0093294	LWDS-05-BH13	25	22-MAR-94	8270	110	J	330	F
Ethylhexyl)phthalate, bis(2-	SNL0093676	LWDS-05-BH14	25	23-MAR-94	8270	330	U	330	F
Ethylhexyl)phthalate, bis(2-	SNL0093482	LWDS-05-BH11	30	20-MAR-94	8270	49	J	330	F
Ethylhexyl)phthalate, bis(2-	SNL0093392	LWDS-05-BH12	30	21-MAR-94	8270	70	J	330	F
Ethylhexyl)phthalate, bis(2-	SNL0093302	LWDS-05-BH13	30	22-MAR-94	8270	44	J	330	F
Ethylhexyl)phthalate, bis(2-	SNL0093680	LWDS-05-BH14	30	23-MAR-94	8270	330	U	330	F
Ethylhexyl)phthalate, bis(2-	SNL0091263	LWDS-MW1	30	22-AUG-92	8270	510		330	F
Ethylhexyl)phthalate, bis(2-	SNL0093400	LWDS-05-BH12	32.5	21-MAR-94	8270	330	U	330	F
Ethylhexyl)phthalate, bis(2-	SNL0093310	LWDS-05-BH13	32.5	22-MAR-94	8270	340		330	F
Ethylhexyl)phthalate, bis(2-	SNL0093684	LWDS-05-BH14	32.5	23-MAR-94	8270	52	J	330	F
Ethylhexyl)phthalate, bis(2-	SNL0093491	LWDS-05-BH11	35	20-MAR-94	8270	57	J	330	F
Ethylhexyl)phthalate, bis(2-	SNL0093408	LWDS-05-BH12	35	21-MAR-94	8270	1300		330	F
Ethylhexyl)phthalate, bis(2-	SNL0093318	LWDS-05-BH13	35	22-MAR-94	8270	1100		330	F
Ethylhexyl)phthalate, bis(2-	SNL0093688	LWDS-05-BH14	35	23-MAR-94	8270	100	J	330	F
Ethylhexyl)phthalate, bis(2-	SNL0093589	LWDS-05-BH11	37.5	20-MAR-94	8270	330	U	330	F
Ethylhexyl)phthalate, bis(2-	SNL0093416	LWDS-05-BH12	37.5	21-MAR-94	8270	1600		330	F
Ethylhexyl)phthalate, bis(2-	SNL0093326	LWDS-05-BH13	37.5	22-MAR-94	8270	330	U	330	F
Ethylhexyl)phthalate, bis(2-	SNL0093692	LWDS-05-BH14	37.5	23-MAR-94	8270	1000		330	F
Ethylhexyl)phthalate, bis(2-	SNL0091265	LWDS-MW1	39	22-AUG-92	8270	330	U	330	F
Ethylhexyl)phthalate, bis(2-	SNL0093499	LWDS-05-BH11	40	20-MAR-94	8270	46	J	330	F
Ethylhexyl)phthalate, bis(2-	SNL0093424	LWDS-05-BH12	40	21-MAR-94	8270	1000		330	F

Table A-5: Organics analyses of soil samples from ER Site 5.

Analyte	Sample Number	Sample Location	Sample Depth (Ft)	Sample Date	Analytical Method	Amount Detected (ug/kg)	Qualifier	Method Detection Limit	Sample Type
Ethylhexyl)phthalate, bis(2-	SNL0093334	LWDS-05-BH13	40	22-MAR-94	8270	850		330	F
Ethylhexyl)phthalate, bis(2-	SNL0093625	LWDS-05-BH14	40	23-MAR-94	8270	330	U	330	F
Ethylhexyl)phthalate, bis(2-	SNL0093507	LWDS-05-BH11	42.5	20-MAR-94	8270	330	U	330	F
Ethylhexyl)phthalate, bis(2-	SNL0093515	LWDS-05-BH11	45	20-MAR-94	8270	330	U	330	F
Ethylhexyl)phthalate, bis(2-	SNL0093432	LWDS-05-BH12	45	21-MAR-94	8270	120	J	330	F
Ethylhexyl)phthalate, bis(2-	SNL0093342	LWDS-05-BH13	45	22-MAR-94	8270	680		330	F
Ethylhexyl)phthalate, bis(2-	SNL0093629	LWDS-05-BH14	45	23-MAR-94	8270	90	J	330	F
Ethylhexyl)phthalate, bis(2-	SNL0093523	LWDS-05-BH11	47.5	20-MAR-94	8270	330	U	330	F
Ethylhexyl)phthalate, bis(2-	SNL0093531	LWDS-05-BH11	50	20-MAR-94	8270	330	U	330	F
Ethylhexyl)phthalate, bis(2-	SNL0093440	LWDS-05-BH12	50	21-MAR-94	8270	46	J	330	F
Ethylhexyl)phthalate, bis(2-	SNL0093350	LWDS-05-BH13	50	22-MAR-94	8270	1100		330	F
Ethylhexyl)phthalate, bis(2-	SNL0093358	LWDS-05-BH13	50	22-MAR-94	8270	1600		330	F
Ethylhexyl)phthalate, bis(2-	SNL0093633	LWDS-05-BH14	50	23-MAR-94	8270	330	U	330	F
Ethylhexyl)phthalate, bis(2-	SNL0091269	LWDS-MW1	50	22-AUG-92	8270	330	U	330	D
Ethylhexyl)phthalate, bis(2-	SNL0091267	LWDS-MW1	50	22-AUG-92	8270	330	U	330	F
Ethylhexyl)phthalate, bis(2-	SNL0093539	LWDS-05-BH11	55	20-MAR-94	8270	330	U	330	F
Ethylhexyl)phthalate, bis(2-	SNL0093456	LWDS-05-BH12	55	21-MAR-94	8270	420		330	D
Ethylhexyl)phthalate, bis(2-	SNL0093448	LWDS-05-BH12	55	21-MAR-94	8270	220	J	330	F
Ethylhexyl)phthalate, bis(2-	SNL0093366	LWDS-05-BH13	55	22-MAR-94	8270	500		330	F
Ethylhexyl)phthalate, bis(2-	SNL0093637	LWDS-05-BH14	55	23-MAR-94	8270	330	U	330	F
Ethylhexyl)phthalate, bis(2-	SNL0093547	LWDS-05-BH11	60	20-MAR-94	8270	330	U	330	F
Ethylhexyl)phthalate, bis(2-	SNL0093645	LWDS-05-BH14	60	23-MAR-94	8270	260	J	330	D
Ethylhexyl)phthalate, bis(2-	SNL0093641	LWDS-05-BH14	60	23-MAR-94	8270	330	U	330	F
Ethylhexyl)phthalate, bis(2-	SNL0091271	LWDS-MW1	60	22-AUG-92	8270	330	U	330	F
Ethylhexyl)phthalate, bis(2-	SNL0093555	LWDS-05-BH11	65	20-MAR-94	8270	330	U	330	F
Ethylhexyl)phthalate, bis(2-	SNL0091278	LWDS-MW1	68	23-AUG-92	8270	330	U	330	F
Ethylhexyl)phthalate, bis(2-	SNL0093571	LWDS-05-BH11	70	20-MAR-94	8270	330	U	330	D
Ethylhexyl)phthalate, bis(2-	SNL0093563	LWDS-05-BH11	70	20-MAR-94	8270	330	U	330	F
Ethylhexyl)phthalate, bis(2-	SNL0091280	LWDS-MW1	80	23-AUG-92	8270	330	U	330	F
Ethylhexyl)phthalate, bis(2-	SNL0091284	LWDS-MW1	89	23-AUG-92	8270	330	U	330	D
Ethylhexyl)phthalate, bis(2-	SNL0091282	LWDS-MW1	89	23-AUG-92	8270	330	U	330	F
Ethylhexyl)phthalate, bis(2-	SNL0091286	LWDS-MW1	102	24-AUG-92	8270	330	U	330	F
Ethylhexyl)phthalate, bis(2-	SNL0091288	LWDS-MW1	110	24-AUG-92	8270	330	U	330	F
Ethylhexyl)phthalate, bis(2-	SNL0091290	LWDS-MW1	110	24-AUG-92	8270	330	U	330	F
Ethylhexyl)phthalate, bis(2-	SNL0091295	LWDS-MW1	120	25-AUG-92	8270	330	U	330	F
Ethylhexyl)phthalate, bis(2-	SNL0091297	LWDS-MW1	130	25-AUG-92	8270	330	U	330	F
Ethylhexyl)phthalate, bis(2-	SNL0091583	LWDS-MW1	143	02-SEP-92	8270	3000		330	F
Ethylhexyl)phthalate, bis(2-	SNL0091585	LWDS-MW1	150	02-SEP-92	8270	330	U	330	F
Ethylhexyl)phthalate, bis(2-	SNL0092988	LWDS-MW1	176	06-APR-93	8270	200	J	330	F
Ethylhexyl)phthalate, bis(2-	SNL0092998	LWDS-MW1	202	08-APR-93	8270	500		330	F
Ethylhexyl)phthalate, bis(2-	SNL0093012	LWDS-MW1	226	13-APR-93	8270	560		330	F
Ethylhexyl)phthalate, bis(2-	SNL0093022	LWDS-MW1	250	14-APR-93	8270	86	J	330	F
Ethylhexyl)phthalate, bis(2-	SNL0093034	LWDS-MW1	274	15-APR-93	8270	750		330	F
Ethylhexyl)phthalate, bis(2-	SNL0093054	LWDS-MW1	315	17-APR-93	8270	520		330	F
Ethylhexyl)phthalate, bis(2-	SNL0093066	LWDS-MW1	346	19-APR-93	8270	36	J	330	F
Ethylhexyl)phthalate, bis(2-	SNL0093044	LWDS-MW1	346	19-APR-93	8270	93	J	330	D
Ethylhexyl)phthalate, bis(2-	SNL0093078	LWDS-MW1	390	21-APR-93	8270	61	J	330	F
Ethylhexyl)phthalate, bis(2-	SNL0093101	LWDS-MW1	444	27-APR-93	8270	700		330	F
Fluoranthene	SNL0093720	LWDS-05-BH13	0	29-MAR-94	8270	37	J	330	F
Fluoranthene	SNL0093123	LWDS-MW1	0	30-APR-93	8270	330	U	330	F
Fluoranthene	SNL0093091	LWDS-MW1	0	21-APR-93	8270	330	U	330	F
Fluoranthene	SNL0091259	LWDS-MW1	12	22-AUG-92	8270	330	U	330	F
Fluoranthene	SNL0091261	LWDS-MW1	21	22-AUG-92	8270	330	U	330	F
Fluoranthene	SNL0093474	LWDS-05-BH11	25	20-MAR-94	8270	330	U	330	F
Fluoranthene	SNL0093384	LWDS-05-BH12	25	21-MAR-94	8270	330	U	330	F
Fluoranthene	SNL0093294	LWDS-05-BH13	25	22-MAR-94	8270	330	U	330	F
Fluoranthene	SNL0093676	LWDS-05-BH14	25	23-MAR-94	8270	330	U	330	F
Fluoranthene	SNL0093482	LWDS-05-BH11	30	20-MAR-94	8270	330	U	330	F
Fluoranthene	SNL0093392	LWDS-05-BH12	30	21-MAR-94	8270	330	U	330	F
Fluoranthene	SNL0093302	LWDS-05-BH13	30	22-MAR-94	8270	330	U	330	F
Fluoranthene	SNL0093680	LWDS-05-BH14	30	23-MAR-94	8270	330	U	330	F
Fluoranthene	SNL0091263	LWDS-MW1	30	22-AUG-92	8270	330	U	330	F
Fluoranthene	SNL0093400	LWDS-05-BH12	32.5	21-MAR-94	8270	330	U	330	F
Fluoranthene	SNL0093310	LWDS-05-BH13	32.5	22-MAR-94	8270	330	U	330	F
Fluoranthene	SNL0093684	LWDS-05-BH14	32.5	23-MAR-94	8270	330	U	330	F
Fluoranthene	SNL0093491	LWDS-05-BH11	35	20-MAR-94	8270	330	U	330	F
Fluoranthene	SNL0093408	LWDS-05-BH12	35	21-MAR-94	8270	330	U	330	F

Table A-5: Organics analyses of soil samples from ER Site 5.

Analyte	Sample Number	Sample Location	Sample Depth (Ft)	Sample Date	Analytical Method	Amount Detected (ug/kg)	Qualifier	Method Detection Limit	Sample Type
Fluoranthene	SNL0093318	LWDS-05-BH13	35	22-MAR-94	8270	330	U	330	F
Fluoranthene	SNL0093688	LWDS-05-BH14	35	23-MAR-94	8270	330	U	330	F
Fluoranthene	SNL0093589	LWDS-05-BH11	37.5	20-MAR-94	8270	330	U	330	F
Fluoranthene	SNL0093416	LWDS-05-BH12	37.5	21-MAR-94	8270	330	U	330	F
Fluoranthene	SNL0093326	LWDS-05-BH13	37.5	22-MAR-94	8270	330	U	330	F
Fluoranthene	SNL0093692	LWDS-05-BH14	37.5	23-MAR-94	8270	330	U	330	F
Fluoranthene	SNL0091265	LWDS-MW1	39	22-AUG-92	8270	330	U	330	F
Fluoranthene	SNL0093499	LWDS-05-BH11	40	20-MAR-94	8270	330	U	330	F
Fluoranthene	SNL0093424	LWDS-05-BH12	40	21-MAR-94	8270	330	U	330	F
Fluoranthene	SNL0093334	LWDS-05-BH13	40	22-MAR-94	8270	330	U	330	F
Fluoranthene	SNL0093625	LWDS-05-BH14	40	23-MAR-94	8270	330	U	330	F
Fluoranthene	SNL0093507	LWDS-05-BH11	42.5	20-MAR-94	8270	330	U	330	F
Fluoranthene	SNL0093515	LWDS-05-BH11	45	20-MAR-94	8270	330	U	330	F
Fluoranthene	SNL0093432	LWDS-05-BH12	45	21-MAR-94	8270	330	U	330	F
Fluoranthene	SNL0093342	LWDS-05-BH13	45	22-MAR-94	8270	330	U	330	F
Fluoranthene	SNL0093629	LWDS-05-BH14	45	23-MAR-94	8270	330	U	330	F
Fluoranthene	SNL0093523	LWDS-05-BH11	47.5	20-MAR-94	8270	330	U	330	F
Fluoranthene	SNL0093531	LWDS-05-BH11	50	20-MAR-94	8270	330	U	330	F
Fluoranthene	SNL0093440	LWDS-05-BH12	50	21-MAR-94	8270	330	U	330	F
Fluoranthene	SNL0093350	LWDS-05-BH13	50	22-MAR-94	8270	330	U	330	F
Fluoranthene	SNL0093358	LWDS-05-BH13	50	22-MAR-94	8270	330	U	330	F
Fluoranthene	SNL0093633	LWDS-05-BH14	50	23-MAR-94	8270	330	U	330	F
Fluoranthene	SNL0091269	LWDS-MW1	50	22-AUG-92	8270	330	U	330	D
Fluoranthene	SNL0091267	LWDS-MW1	50	22-AUG-92	8270	330	U	330	F
Fluoranthene	SNL0093539	LWDS-05-BH11	55	20-MAR-94	8270	330	U	330	F
Fluoranthene	SNL0093456	LWDS-05-BH12	55	21-MAR-94	8270	330	U	330	D
Fluoranthene	SNL0093448	LWDS-05-BH12	55	21-MAR-94	8270	330	U	330	F
Fluoranthene	SNL0093366	LWDS-05-BH13	55	22-MAR-94	8270	330	U	330	F
Fluoranthene	SNL0093637	LWDS-05-BH14	55	23-MAR-94	8270	330	U	330	F
Fluoranthene	SNL0093547	LWDS-05-BH11	60	20-MAR-94	8270	330	U	330	F
Fluoranthene	SNL0093641	LWDS-05-BH14	60	23-MAR-94	8270	330	U	330	F
Fluoranthene	SNL0093645	LWDS-05-BH14	60	23-MAR-94	8270	330	U	330	D
Fluoranthene	SNL0091271	LWDS-MW1	60	22-AUG-92	8270	330	U	330	F
Fluoranthene	SNL0093555	LWDS-05-BH11	65	20-MAR-94	8270	330	U	330	F
Fluoranthene	SNL0091278	LWDS-MW1	68	23-AUG-92	8270	330	U	330	F
Fluoranthene	SNL0093571	LWDS-05-BH11	70	20-MAR-94	8270	330	U	330	D
Fluoranthene	SNL0093563	LWDS-05-BH11	70	20-MAR-94	8270	330	U	330	F
Fluoranthene	SNL0091280	LWDS-MW1	80	23-AUG-92	8270	330	U	330	F
Fluoranthene	SNL0091284	LWDS-MW1	89	23-AUG-92	8270	330	U	330	D
Fluoranthene	SNL0091282	LWDS-MW1	89	23-AUG-92	8270	330	U	330	F
Fluoranthene	SNL0091286	LWDS-MW1	102	24-AUG-92	8270	330	U	330	F
Fluoranthene	SNL0091288	LWDS-MW1	110	24-AUG-92	8270	330	U	330	F
Fluoranthene	SNL0091290	LWDS-MW1	110	24-AUG-92	8270	330	U	330	F
Fluoranthene	SNL0091295	LWDS-MW1	120	25-AUG-92	8270	330	U	330	F
Fluoranthene	SNL0091297	LWDS-MW1	130	25-AUG-92	8270	330	U	330	F
Fluoranthene	SNL0091583	LWDS-MW1	143	02-SEP-92	8270	330	U	330	F
Fluoranthene	SNL0091585	LWDS-MW1	150	02-SEP-92	8270	330	U	330	F
Fluoranthene	SNL0092988	LWDS-MW1	176	06-APR-93	8270	330	U	330	F
Fluoranthene	SNL0092998	LWDS-MW1	202	08-APR-93	8270	330	U	330	F
Fluoranthene	SNL0093012	LWDS-MW1	226	13-APR-93	8270	330	U	330	F
Fluoranthene	SNL0093022	LWDS-MW1	250	14-APR-93	8270	330	U	330	F
Fluoranthene	SNL0093034	LWDS-MW1	274	15-APR-93	8270	330	U	330	F
Fluoranthene	SNL0093054	LWDS-MW1	315	17-APR-93	8270	330	U	330	F
Fluoranthene	SNL0093066	LWDS-MW1	346	19-APR-93	8270	330	U	330	F
Fluoranthene	SNL0093044	LWDS-MW1	346	19-APR-93	8270	330	U	330	D
Fluoranthene	SNL0093078	LWDS-MW1	390	21-APR-93	8270	330	U	330	F
Fluoranthene	SNL0093101	LWDS-MW1	444	27-APR-93	8270	330	U	330	F
Fluorene	SNL0093720	LWDS-05-BH13	0	29-MAR-94	8270	330	U	330	F
Fluorene	SNL0093123	LWDS-MW1	0	30-APR-93	8270	330	U	330	F
Fluorene	SNL0093091	LWDS-MW1	0	21-APR-93	8270	330	U	330	F
Fluorene	SNL0091259	LWDS-MW1	12	22-AUG-92	8270	330	U	330	F
Fluorene	SNL0091261	LWDS-MW1	21	22-AUG-92	8270	330	U	330	F
Fluorene	SNL0093474	LWDS-05-BH11	25	20-MAR-94	8270	330	U	330	F
Fluorene	SNL0093384	LWDS-05-BH12	25	21-MAR-94	8270	330	U	330	F
Fluorene	SNL0093294	LWDS-05-BH13	25	22-MAR-94	8270	330	U	330	F
Fluorene	SNL0093676	LWDS-05-BH14	25	23-MAR-94	8270	330	U	330	F
Fluorene	SNL0093482	LWDS-05-BH11	30	20-MAR-94	8270	330	U	330	F

Table A-5: Organics analyses of soil samples from ER Site 5.

Analyte	Sample Number	Sample Location	Sample Depth (Ft)	Sample Date	Analytical Method	Amount Detected (ug/kg)	Qualifier	Method Detection Limit	Sample Type
Fluorene	SNL0093392	LWDS-05-BH12	30	21-MAR-94	8270	330	U	330	F
Fluorene	SNL0093302	LWDS-05-BH13	30	22-MAR-94	8270	330	U	330	F
Fluorene	SNL0093680	LWDS-05-BH14	30	23-MAR-94	8270	330	U	330	F
Fluorene	SNL0091263	LWDS-MW1	30	22-AUG-92	8270	330	U	330	F
Fluorene	SNL0093400	LWDS-05-BH12	32.5	21-MAR-94	8270	330	U	330	F
Fluorene	SNL0093310	LWDS-05-BH13	32.5	22-MAR-94	8270	330	U	330	F
Fluorene	SNL0093684	LWDS-05-BH14	32.5	23-MAR-94	8270	330	U	330	F
Fluorene	SNL0093491	LWDS-05-BH11	35	20-MAR-94	8270	330	U	330	F
Fluorene	SNL0093408	LWDS-05-BH12	35	21-MAR-94	8270	330	U	330	F
Fluorene	SNL0093318	LWDS-05-BH13	35	22-MAR-94	8270	330	U	330	F
Fluorene	SNL0093688	LWDS-05-BH14	35	23-MAR-94	8270	330	U	330	F
Fluorene	SNL0093589	LWDS-05-BH11	37.5	20-MAR-94	8270	330	U	330	F
Fluorene	SNL0093416	LWDS-05-BH12	37.5	21-MAR-94	8270	330	U	330	F
Fluorene	SNL0093326	LWDS-05-BH13	37.5	22-MAR-94	8270	330	U	330	F
Fluorene	SNL0093692	LWDS-05-BH14	37.5	23-MAR-94	8270	330	U	330	F
Fluorene	SNL0091265	LWDS-MW1	39	22-AUG-92	8270	330	U	330	F
Fluorene	SNL0093499	LWDS-05-BH11	40	20-MAR-94	8270	330	U	330	F
Fluorene	SNL0093424	LWDS-05-BH12	40	21-MAR-94	8270	330	U	330	F
Fluorene	SNL0093334	LWDS-05-BH13	40	22-MAR-94	8270	330	U	330	F
Fluorene	SNL0093625	LWDS-05-BH14	40	23-MAR-94	8270	330	U	330	F
Fluorene	SNL0093507	LWDS-05-BH11	42.5	20-MAR-94	8270	330	U	330	F
Fluorene	SNL0093515	LWDS-05-BH11	45	20-MAR-94	8270	330	U	330	F
Fluorene	SNL0093432	LWDS-05-BH12	45	21-MAR-94	8270	330	U	330	F
Fluorene	SNL0093342	LWDS-05-BH13	45	22-MAR-94	8270	330	U	330	F
Fluorene	SNL0093629	LWDS-05-BH14	45	23-MAR-94	8270	330	U	330	F
Fluorene	SNL0093523	LWDS-05-BH11	47.5	20-MAR-94	8270	330	U	330	F
Fluorene	SNL0093531	LWDS-05-BH11	50	20-MAR-94	8270	330	U	330	F
Fluorene	SNL0093440	LWDS-05-BH12	50	21-MAR-94	8270	330	U	330	F
Fluorene	SNL0093350	LWDS-05-BH13	50	22-MAR-94	8270	330	U	330	F
Fluorene	SNL0093358	LWDS-05-BH13	50	22-MAR-94	8270	330	U	330	F
Fluorene	SNL0093633	LWDS-05-BH14	50	23-MAR-94	8270	330	U	330	F
Fluorene	SNL0091269	LWDS-MW1	50	22-AUG-92	8270	330	U	330	D
Fluorene	SNL0091267	LWDS-MW1	50	22-AUG-92	8270	330	U	330	F
Fluorene	SNL0093539	LWDS-05-BH11	55	20-MAR-94	8270	330	U	330	F
Fluorene	SNL0093456	LWDS-05-BH12	55	21-MAR-94	8270	330	U	330	D
Fluorene	SNL0093448	LWDS-05-BH12	55	21-MAR-94	8270	330	U	330	F
Fluorene	SNL0093366	LWDS-05-BH13	55	22-MAR-94	8270	330	U	330	F
Fluorene	SNL0093637	LWDS-05-BH14	55	23-MAR-94	8270	330	U	330	F
Fluorene	SNL0093547	LWDS-05-BH11	60	20-MAR-94	8270	330	U	330	F
Fluorene	SNL0093645	LWDS-05-BH14	60	23-MAR-94	8270	330	U	330	D
Fluorene	SNL0093641	LWDS-05-BH14	60	23-MAR-94	8270	330	U	330	F
Fluorene	SNL0091271	LWDS-MW1	60	22-AUG-92	8270	330	U	330	F
Fluorene	SNL0093555	LWDS-05-BH11	65	20-MAR-94	8270	330	U	330	F
Fluorene	SNL0091278	LWDS-MW1	68	23-AUG-92	8270	330	U	330	F
Fluorene	SNL0093571	LWDS-05-BH11	70	20-MAR-94	8270	330	U	330	D
Fluorene	SNL0093563	LWDS-05-BH11	70	20-MAR-94	8270	330	U	330	F
Fluorene	SNL0091280	LWDS-MW1	80	23-AUG-92	8270	330	U	330	F
Fluorene	SNL0091284	LWDS-MW1	89	23-AUG-92	8270	330	U	330	D
Fluorene	SNL0091282	LWDS-MW1	89	23-AUG-92	8270	330	U	330	F
Fluorene	SNL0091286	LWDS-MW1	102	24-AUG-92	8270	330	U	330	F
Fluorene	SNL0091290	LWDS-MW1	110	24-AUG-92	8270	330	U	330	F
Fluorene	SNL0091288	LWDS-MW1	110	24-AUG-92	8270	330	U	330	F
Fluorene	SNL0091295	LWDS-MW1	120	25-AUG-92	8270	330	U	330	F
Fluorene	SNL0091297	LWDS-MW1	130	25-AUG-92	8270	330	U	330	F
Fluorene	SNL0091583	LWDS-MW1	143	02-SEP-92	8270	330	U	330	F
Fluorene	SNL0091585	LWDS-MW1	150	02-SEP-92	8270	330	U	330	F
Fluorene	SNL0092988	LWDS-MW1	176	06-APR-93	8270	330	U	330	F
Fluorene	SNL0092998	LWDS-MW1	202	08-APR-93	8270	330	U	330	F
Fluorene	SNL0093012	LWDS-MW1	226	13-APR-93	8270	330	U	330	F
Fluorene	SNL0093022	LWDS-MW1	250	14-APR-93	8270	330	U	330	F
Fluorene	SNL0093034	LWDS-MW1	274	15-APR-93	8270	330	U	330	F
Fluorene	SNL0093054	LWDS-MW1	315	17-APR-93	8270	330	U	330	F
Fluorene	SNL0093044	LWDS-MW1	346	19-APR-93	8270	330	U	330	D
Fluorene	SNL0093066	LWDS-MW1	346	19-APR-93	8270	330	U	330	F
Fluorene	SNL0093078	LWDS-MW1	390	21-APR-93	8270	330	U	330	F
Fluorene	SNL0093101	LWDS-MW1	444	27-APR-93	8270	330	U	330	F
Hexachlorobenzene	SNL0093720	LWDS-05-BH13	0	29-MAR-94	8270	330	U	330	F

Table A-5: Organics analyses of soil samples from ER Site 5.

Analyte	Sample Number	Sample Location	Sample Depth (Ft)	Sample Date	Analytical Method	Amount Detected (ug/kg)	Qualifier	Method Detection Limit	Sample Type
Hexachlorobenzene	SNL0093091	LWDS-MW1	0	21-APR-93	8270	330	U	330	F
Hexachlorobenzene	SNL0093123	LWDS-MW1	0	30-APR-93	8270	330	U	330	F
Hexachlorobenzene	SNL0091259	LWDS-MW1	12	22-AUG-92	8270	330	U	330	F
Hexachlorobenzene	SNL0091261	LWDS-MW1	21	22-AUG-92	8270	330	U	330	F
Hexachlorobenzene	SNL0093474	LWDS-05-BH11	25	20-MAR-94	8270	330	U	330	F
Hexachlorobenzene	SNL0093384	LWDS-05-BH12	25	21-MAR-94	8270	330	U	330	F
Hexachlorobenzene	SNL0093294	LWDS-05-BH13	25	22-MAR-94	8270	330	U	330	F
Hexachlorobenzene	SNL0093676	LWDS-05-BH14	25	23-MAR-94	8270	330	U	330	F
Hexachlorobenzene	SNL0093482	LWDS-05-BH11	30	20-MAR-94	8270	330	U	330	F
Hexachlorobenzene	SNL0093392	LWDS-05-BH12	30	21-MAR-94	8270	330	U	330	F
Hexachlorobenzene	SNL0093302	LWDS-05-BH13	30	22-MAR-94	8270	330	U	330	F
Hexachlorobenzene	SNL0093680	LWDS-05-BH14	30	23-MAR-94	8270	330	U	330	F
Hexachlorobenzene	SNL0091263	LWDS-MW1	30	22-AUG-92	8270	330	U	330	F
Hexachlorobenzene	SNL0093400	LWDS-05-BH12	32.5	21-MAR-94	8270	330	U	330	F
Hexachlorobenzene	SNL0093310	LWDS-05-BH13	32.5	22-MAR-94	8270	330	U	330	F
Hexachlorobenzene	SNL0093684	LWDS-05-BH14	32.5	23-MAR-94	8270	330	U	330	F
Hexachlorobenzene	SNL0093491	LWDS-05-BH11	35	20-MAR-94	8270	330	U	330	F
Hexachlorobenzene	SNL0093408	LWDS-05-BH12	35	21-MAR-94	8270	330	U	330	F
Hexachlorobenzene	SNL0093318	LWDS-05-BH13	35	22-MAR-94	8270	330	U	330	F
Hexachlorobenzene	SNL0093688	LWDS-05-BH14	35	23-MAR-94	8270	330	U	330	F
Hexachlorobenzene	SNL0093589	LWDS-05-BH11	37.5	20-MAR-94	8270	330	U	330	F
Hexachlorobenzene	SNL0093416	LWDS-05-BH12	37.5	21-MAR-94	8270	330	U	330	F
Hexachlorobenzene	SNL0093326	LWDS-05-BH13	37.5	22-MAR-94	8270	330	U	330	F
Hexachlorobenzene	SNL0093692	LWDS-05-BH14	37.5	23-MAR-94	8270	330	U	330	F
Hexachlorobenzene	SNL0091265	LWDS-MW1	39	22-AUG-92	8270	330	U	330	F
Hexachlorobenzene	SNL0093499	LWDS-05-BH11	40	20-MAR-94	8270	330	U	330	F
Hexachlorobenzene	SNL0093424	LWDS-05-BH12	40	21-MAR-94	8270	330	U	330	F
Hexachlorobenzene	SNL0093334	LWDS-05-BH13	40	22-MAR-94	8270	330	U	330	F
Hexachlorobenzene	SNL0093625	LWDS-05-BH14	40	23-MAR-94	8270	330	U	330	F
Hexachlorobenzene	SNL0093507	LWDS-05-BH11	42.5	20-MAR-94	8270	330	U	330	F
Hexachlorobenzene	SNL0093515	LWDS-05-BH11	45	20-MAR-94	8270	330	U	330	F
Hexachlorobenzene	SNL0093432	LWDS-05-BH12	45	21-MAR-94	8270	330	U	330	F
Hexachlorobenzene	SNL0093342	LWDS-05-BH13	45	22-MAR-94	8270	330	U	330	F
Hexachlorobenzene	SNL0093629	LWDS-05-BH14	45	23-MAR-94	8270	330	U	330	F
Hexachlorobenzene	SNL0093523	LWDS-05-BH11	47.5	20-MAR-94	8270	330	U	330	F
Hexachlorobenzene	SNL0093531	LWDS-05-BH11	50	20-MAR-94	8270	330	U	330	F
Hexachlorobenzene	SNL0093440	LWDS-05-BH12	50	21-MAR-94	8270	330	U	330	F
Hexachlorobenzene	SNL0093350	LWDS-05-BH13	50	22-MAR-94	8270	330	U	330	F
Hexachlorobenzene	SNL0093358	LWDS-05-BH13	50	22-MAR-94	8270	330	U	330	F
Hexachlorobenzene	SNL0093633	LWDS-05-BH14	50	23-MAR-94	8270	330	U	330	F
Hexachlorobenzene	SNL0091269	LWDS-MW1	50	22-AUG-92	8270	330	U	330	D
Hexachlorobenzene	SNL0091267	LWDS-MW1	50	22-AUG-92	8270	330	U	330	F
Hexachlorobenzene	SNL0093539	LWDS-05-BH11	55	20-MAR-94	8270	330	U	330	F
Hexachlorobenzene	SNL0093456	LWDS-05-BH12	55	21-MAR-94	8270	330	U	330	D
Hexachlorobenzene	SNL0093448	LWDS-05-BH12	55	21-MAR-94	8270	330	U	330	F
Hexachlorobenzene	SNL0093366	LWDS-05-BH13	55	22-MAR-94	8270	330	U	330	F
Hexachlorobenzene	SNL0093637	LWDS-05-BH14	55	23-MAR-94	8270	330	U	330	F
Hexachlorobenzene	SNL0093547	LWDS-05-BH11	60	20-MAR-94	8270	330	U	330	F
Hexachlorobenzene	SNL0093645	LWDS-05-BH14	60	23-MAR-94	8270	330	U	330	D
Hexachlorobenzene	SNL0093641	LWDS-05-BH14	60	23-MAR-94	8270	330	U	330	F
Hexachlorobenzene	SNL0091271	LWDS-MW1	60	22-AUG-92	8270	330	U	330	F
Hexachlorobenzene	SNL0093555	LWDS-05-BH11	65	20-MAR-94	8270	330	U	330	F
Hexachlorobenzene	SNL0091278	LWDS-MW1	68	23-AUG-92	8270	330	U	330	F
Hexachlorobenzene	SNL0093571	LWDS-05-BH11	70	20-MAR-94	8270	330	U	330	D
Hexachlorobenzene	SNL0093563	LWDS-05-BH11	70	20-MAR-94	8270	330	U	330	F
Hexachlorobenzene	SNL0091280	LWDS-MW1	80	23-AUG-92	8270	330	U	330	F
Hexachlorobenzene	SNL0091284	LWDS-MW1	89	23-AUG-92	8270	330	U	330	D
Hexachlorobenzene	SNL0091282	LWDS-MW1	89	23-AUG-92	8270	330	U	330	F
Hexachlorobenzene	SNL0091286	LWDS-MW1	102	24-AUG-92	8270	330	U	330	F
Hexachlorobenzene	SNL0091288	LWDS-MW1	110	24-AUG-92	8270	330	U	330	F
Hexachlorobenzene	SNL0091290	LWDS-MW1	110	24-AUG-92	8270	330	U	330	F
Hexachlorobenzene	SNL0091295	LWDS-MW1	120	25-AUG-92	8270	330	U	330	F
Hexachlorobenzene	SNL0091297	LWDS-MW1	130	25-AUG-92	8270	330	U	330	F
Hexachlorobenzene	SNL0091583	LWDS-MW1	143	02-SEP-92	8270	330	U	330	F
Hexachlorobenzene	SNL0091585	LWDS-MW1	150	02-SEP-92	8270	330	U	330	F
Hexachlorobenzene	SNL0092988	LWDS-MW1	176	06-APR-93	8270	330	U	330	F
Hexachlorobenzene	SNL0092998	LWDS-MW1	202	08-APR-93	8270	330	U	330	F

Table A-5: Organics analyses of soil samples from ER Site 5.

Analyte	Sample Number	Sample Location	Sample Depth (Ft)	Sample Date	Analytical Method	Amount Detected (ug/kg)	Qualifier	Method Detection Limit	Sample Type
Hexachlorobenzene	SNL0093012	LWDS-MW1	226	13-APR-93	8270	330	U	330	F
Hexachlorobenzene	SNL0093022	LWDS-MW1	250	14-APR-93	8270	330	U	330	F
Hexachlorobenzene	SNL0093034	LWDS-MW1	274	15-APR-93	8270	330	U	330	F
Hexachlorobenzene	SNL0093054	LWDS-MW1	315	17-APR-93	8270	330	U	330	F
Hexachlorobenzene	SNL0093066	LWDS-MW1	346	19-APR-93	8270	330	U	330	F
Hexachlorobenzene	SNL0093044	LWDS-MW1	346	19-APR-93	8270	330	U	330	D
Hexachlorobenzene	SNL0093078	LWDS-MW1	390	21-APR-93	8270	330	U	330	F
Hexachlorobenzene	SNL0093101	LWDS-MW1	444	27-APR-93	8270	330	U	330	F
Hexachlorobutadiene	SNL0093720	LWDS-05-BH13	0	29-MAR-94	8270	330	U	330	F
Hexachlorobutadiene	SNL0093091	LWDS-MW1	0	21-APR-93	8270	330	U	330	F
Hexachlorobutadiene	SNL0093123	LWDS-MW1	0	30-APR-93	8270	330	U	330	F
Hexachlorobutadiene	SNL0091259	LWDS-MW1	12	22-AUG-92	8270	330	U	330	F
Hexachlorobutadiene	SNL0091261	LWDS-MW1	21	22-AUG-92	8270	330	U	330	F
Hexachlorobutadiene	SNL0093474	LWDS-05-BH11	25	20-MAR-94	8270	330	U	330	F
Hexachlorobutadiene	SNL0093384	LWDS-05-BH12	25	21-MAR-94	8270	330	U	330	F
Hexachlorobutadiene	SNL0093294	LWDS-05-BH13	25	22-MAR-94	8270	330	U	330	F
Hexachlorobutadiene	SNL0093676	LWDS-05-BH14	25	23-MAR-94	8270	330	U	330	F
Hexachlorobutadiene	SNL0093482	LWDS-05-BH11	30	20-MAR-94	8270	330	U	330	F
Hexachlorobutadiene	SNL0093392	LWDS-05-BH12	30	21-MAR-94	8270	330	U	330	F
Hexachlorobutadiene	SNL0093302	LWDS-05-BH13	30	22-MAR-94	8270	330	U	330	F
Hexachlorobutadiene	SNL0093680	LWDS-05-BH14	30	23-MAR-94	8270	330	U	330	F
Hexachlorobutadiene	SNL0091263	LWDS-MW1	30	22-AUG-92	8270	330	U	330	F
Hexachlorobutadiene	SNL0093400	LWDS-05-BH12	32.5	21-MAR-94	8270	330	U	330	F
Hexachlorobutadiene	SNL0093310	LWDS-05-BH13	32.5	22-MAR-94	8270	330	U	330	F
Hexachlorobutadiene	SNL0093684	LWDS-05-BH14	32.5	23-MAR-94	8270	330	U	330	F
Hexachlorobutadiene	SNL0093491	LWDS-05-BH11	35	20-MAR-94	8270	330	U	330	F
Hexachlorobutadiene	SNL0093408	LWDS-05-BH12	35	21-MAR-94	8270	330	U	330	F
Hexachlorobutadiene	SNL0093318	LWDS-05-BH13	35	22-MAR-94	8270	330	U	330	F
Hexachlorobutadiene	SNL0093688	LWDS-05-BH14	35	23-MAR-94	8270	330	U	330	F
Hexachlorobutadiene	SNL0093589	LWDS-05-BH11	37.5	20-MAR-94	8270	330	U	330	F
Hexachlorobutadiene	SNL0093416	LWDS-05-BH12	37.5	21-MAR-94	8270	330	U	330	F
Hexachlorobutadiene	SNL0093326	LWDS-05-BH13	37.5	22-MAR-94	8270	330	U	330	F
Hexachlorobutadiene	SNL0093692	LWDS-05-BH14	37.5	23-MAR-94	8270	330	U	330	F
Hexachlorobutadiene	SNL0091265	LWDS-MW1	39	22-AUG-92	8270	330	U	330	F
Hexachlorobutadiene	SNL0093499	LWDS-05-BH11	40	20-MAR-94	8270	330	U	330	F
Hexachlorobutadiene	SNL0093424	LWDS-05-BH12	40	21-MAR-94	8270	330	U	330	F
Hexachlorobutadiene	SNL0093334	LWDS-05-BH13	40	22-MAR-94	8270	330	U	330	F
Hexachlorobutadiene	SNL0093625	LWDS-05-BH14	40	23-MAR-94	8270	330	U	330	F
Hexachlorobutadiene	SNL0093507	LWDS-05-BH11	42.5	20-MAR-94	8270	330	U	330	F
Hexachlorobutadiene	SNL0093515	LWDS-05-BH11	45	20-MAR-94	8270	330	U	330	F
Hexachlorobutadiene	SNL0093432	LWDS-05-BH12	45	21-MAR-94	8270	330	U	330	F
Hexachlorobutadiene	SNL0093342	LWDS-05-BH13	45	22-MAR-94	8270	330	U	330	F
Hexachlorobutadiene	SNL0093629	LWDS-05-BH14	45	23-MAR-94	8270	330	U	330	F
Hexachlorobutadiene	SNL0093523	LWDS-05-BH11	47.5	20-MAR-94	8270	330	U	330	F
Hexachlorobutadiene	SNL0093531	LWDS-05-BH11	50	20-MAR-94	8270	330	U	330	F
Hexachlorobutadiene	SNL0093440	LWDS-05-BH12	50	21-MAR-94	8270	330	U	330	F
Hexachlorobutadiene	SNL0093350	LWDS-05-BH13	50	22-MAR-94	8270	330	U	330	F
Hexachlorobutadiene	SNL0093358	LWDS-05-BH13	50	22-MAR-94	8270	330	U	330	F
Hexachlorobutadiene	SNL0093633	LWDS-05-BH14	50	23-MAR-94	8270	330	U	330	F
Hexachlorobutadiene	SNL0091269	LWDS-MW1	50	22-AUG-92	8270	330	U	330	D
Hexachlorobutadiene	SNL0091267	LWDS-MW1	50	22-AUG-92	8270	330	U	330	F
Hexachlorobutadiene	SNL0093539	LWDS-05-BH11	55	20-MAR-94	8270	330	U	330	F
Hexachlorobutadiene	SNL0093448	LWDS-05-BH12	55	21-MAR-94	8270	330	U	330	F
Hexachlorobutadiene	SNL0093456	LWDS-05-BH12	55	21-MAR-94	8270	330	U	330	D
Hexachlorobutadiene	SNL0093366	LWDS-05-BH13	55	22-MAR-94	8270	330	U	330	F
Hexachlorobutadiene	SNL0093637	LWDS-05-BH14	55	23-MAR-94	8270	330	U	330	F
Hexachlorobutadiene	SNL0093547	LWDS-05-BH11	60	20-MAR-94	8270	330	U	330	F
Hexachlorobutadiene	SNL0093645	LWDS-05-BH14	60	23-MAR-94	8270	330	U	330	D
Hexachlorobutadiene	SNL0093641	LWDS-05-BH14	60	23-MAR-94	8270	330	U	330	F
Hexachlorobutadiene	SNL0091271	LWDS-MW1	60	22-AUG-92	8270	330	U	330	F
Hexachlorobutadiene	SNL0093555	LWDS-05-BH11	65	20-MAR-94	8270	330	U	330	F
Hexachlorobutadiene	SNL0091278	LWDS-MW1	68	23-AUG-92	8270	330	U	330	F
Hexachlorobutadiene	SNL0093571	LWDS-05-BH11	70	20-MAR-94	8270	330	U	330	D
Hexachlorobutadiene	SNL0093563	LWDS-05-BH11	70	20-MAR-94	8270	330	U	330	F
Hexachlorobutadiene	SNL0091280	LWDS-MW1	80	23-AUG-92	8270	330	U	330	F
Hexachlorobutadiene	SNL0091284	LWDS-MW1	89	23-AUG-92	8270	330	U	330	D
Hexachlorobutadiene	SNL0091282	LWDS-MW1	89	23-AUG-92	8270	330	U	330	F

Table A-5: Organics analyses of soil samples from ER Site 5.

Analyte	Sample Number	Sample Location	Sample Depth (Ft)	Sample Date	Analytical Method	Amount Detected (ug/kg)	Qualifier	Method Detection Limit	Sample Type
Hexachlorobutadiene	SNL0091286	LWDS-MW1	102	24-AUG-92	8270	330	U	330	F
Hexachlorobutadiene	SNL0091288	LWDS-MW1	110	24-AUG-92	8270	330	U	330	F
Hexachlorobutadiene	SNL0091290	LWDS-MW1	110	24-AUG-92	8270	330	U	330	F
Hexachlorobutadiene	SNL0091295	LWDS-MW1	120	25-AUG-92	8270	330	U	330	F
Hexachlorobutadiene	SNL0091297	LWDS-MW1	130	25-AUG-92	8270	330	U	330	F
Hexachlorobutadiene	SNL0091583	LWDS-MW1	143	02-SEP-92	8270	330	U	330	F
Hexachlorobutadiene	SNL0091585	LWDS-MW1	150	02-SEP-92	8270	330	U	330	F
Hexachlorobutadiene	SNL0092988	LWDS-MW1	176	06-APR-93	8270	330	U	330	F
Hexachlorobutadiene	SNL0092998	LWDS-MW1	202	08-APR-93	8270	330	U	330	F
Hexachlorobutadiene	SNL0093012	LWDS-MW1	226	13-APR-93	8270	330	U	330	F
Hexachlorobutadiene	SNL0093022	LWDS-MW1	250	14-APR-93	8270	330	U	330	F
Hexachlorobutadiene	SNL0093034	LWDS-MW1	274	15-APR-93	8270	330	U	330	F
Hexachlorobutadiene	SNL0093054	LWDS-MW1	315	17-APR-93	8270	330	U	330	F
Hexachlorobutadiene	SNL0093044	LWDS-MW1	346	19-APR-93	8270	330	U	330	D
Hexachlorobutadiene	SNL0093066	LWDS-MW1	346	19-APR-93	8270	330	U	330	F
Hexachlorobutadiene	SNL0093078	LWDS-MW1	390	21-APR-93	8270	330	U	330	F
Hexachlorobutadiene	SNL0093101	LWDS-MW1	444	27-APR-93	8270	330	U	330	F
Hexachlorocyclopentadiene	SNL0093720	LWDS-05-BH13	0	29-MAR-94	8270	330	U	330	F
Hexachlorocyclopentadiene	SNL0093123	LWDS-MW1	0	30-APR-93	8270	330	U	330	F
Hexachlorocyclopentadiene	SNL0093091	LWDS-MW1	0	21-APR-93	8270	330	U	330	F
Hexachlorocyclopentadiene	SNL0091259	LWDS-MW1	12	22-AUG-92	8270	330	U	330	F
Hexachlorocyclopentadiene	SNL0091261	LWDS-MW1	21	22-AUG-92	8270	330	U	330	F
Hexachlorocyclopentadiene	SNL0093474	LWDS-05-BH11	25	20-MAR-94	8270	330	U	330	F
Hexachlorocyclopentadiene	SNL0093384	LWDS-05-BH12	25	21-MAR-94	8270	330	U	330	F
Hexachlorocyclopentadiene	SNL0093294	LWDS-05-BH13	25	22-MAR-94	8270	330	U	330	F
Hexachlorocyclopentadiene	SNL0093676	LWDS-05-BH14	25	23-MAR-94	8270	330	U	330	F
Hexachlorocyclopentadiene	SNL0093482	LWDS-05-BH11	30	20-MAR-94	8270	330	U	330	F
Hexachlorocyclopentadiene	SNL0093392	LWDS-05-BH12	30	21-MAR-94	8270	330	U	330	F
Hexachlorocyclopentadiene	SNL0093302	LWDS-05-BH13	30	22-MAR-94	8270	330	U	330	F
Hexachlorocyclopentadiene	SNL0093680	LWDS-05-BH14	30	23-MAR-94	8270	330	U	330	F
Hexachlorocyclopentadiene	SNL0091263	LWDS-MW1	30	22-AUG-92	8270	330	U	330	F
Hexachlorocyclopentadiene	SNL0093400	LWDS-05-BH12	32.5	21-MAR-94	8270	330	U	330	F
Hexachlorocyclopentadiene	SNL0093310	LWDS-05-BH13	32.5	22-MAR-94	8270	330	U	330	F
Hexachlorocyclopentadiene	SNL0093684	LWDS-05-BH14	32.5	23-MAR-94	8270	330	U	330	F
Hexachlorocyclopentadiene	SNL0093491	LWDS-05-BH11	35	20-MAR-94	8270	330	U	330	F
Hexachlorocyclopentadiene	SNL0093408	LWDS-05-BH12	35	21-MAR-94	8270	330	U	330	F
Hexachlorocyclopentadiene	SNL0093318	LWDS-05-BH13	35	22-MAR-94	8270	330	U	330	F
Hexachlorocyclopentadiene	SNL0093688	LWDS-05-BH14	35	23-MAR-94	8270	330	U	330	F
Hexachlorocyclopentadiene	SNL0093589	LWDS-05-BH11	37.5	20-MAR-94	8270	330	U	330	F
Hexachlorocyclopentadiene	SNL0093416	LWDS-05-BH12	37.5	21-MAR-94	8270	330	U	330	F
Hexachlorocyclopentadiene	SNL0093326	LWDS-05-BH13	37.5	22-MAR-94	8270	330	U	330	F
Hexachlorocyclopentadiene	SNL0093692	LWDS-05-BH14	37.5	23-MAR-94	8270	330	U	330	F
Hexachlorocyclopentadiene	SNL0091265	LWDS-MW1	39	22-AUG-92	8270	330	U	330	F
Hexachlorocyclopentadiene	SNL0093499	LWDS-05-BH11	40	20-MAR-94	8270	330	U	330	F
Hexachlorocyclopentadiene	SNL0093424	LWDS-05-BH12	40	21-MAR-94	8270	330	U	330	F
Hexachlorocyclopentadiene	SNL0093334	LWDS-05-BH13	40	22-MAR-94	8270	330	U	330	F
Hexachlorocyclopentadiene	SNL0093625	LWDS-05-BH14	40	23-MAR-94	8270	330	U	330	F
Hexachlorocyclopentadiene	SNL0093507	LWDS-05-BH11	42.5	20-MAR-94	8270	330	U	330	F
Hexachlorocyclopentadiene	SNL0093515	LWDS-05-BH11	45	20-MAR-94	8270	330	U	330	F
Hexachlorocyclopentadiene	SNL0093432	LWDS-05-BH12	45	21-MAR-94	8270	330	U	330	F
Hexachlorocyclopentadiene	SNL0093342	LWDS-05-BH13	45	22-MAR-94	8270	330	U	330	F
Hexachlorocyclopentadiene	SNL0093629	LWDS-05-BH14	45	23-MAR-94	8270	330	U	330	F
Hexachlorocyclopentadiene	SNL0093523	LWDS-05-BH11	47.5	20-MAR-94	8270	330	U	330	F
Hexachlorocyclopentadiene	SNL0093531	LWDS-05-BH11	50	20-MAR-94	8270	330	U	330	F
Hexachlorocyclopentadiene	SNL0093440	LWDS-05-BH12	50	21-MAR-94	8270	330	U	330	F
Hexachlorocyclopentadiene	SNL0093350	LWDS-05-BH13	50	22-MAR-94	8270	330	U	330	F
Hexachlorocyclopentadiene	SNL0093358	LWDS-05-BH13	50	22-MAR-94	8270	330	U	330	F
Hexachlorocyclopentadiene	SNL0093633	LWDS-05-BH14	50	23-MAR-94	8270	330	U	330	F
Hexachlorocyclopentadiene	SNL0091269	LWDS-MW1	50	22-AUG-92	8270	330	U	330	D
Hexachlorocyclopentadiene	SNL0091267	LWDS-MW1	50	22-AUG-92	8270	330	U	330	F
Hexachlorocyclopentadiene	SNL0093539	LWDS-05-BH11	55	20-MAR-94	8270	330	U	330	F
Hexachlorocyclopentadiene	SNL0093456	LWDS-05-BH12	55	21-MAR-94	8270	330	U	330	D
Hexachlorocyclopentadiene	SNL0093448	LWDS-05-BH12	55	21-MAR-94	8270	330	U	330	F
Hexachlorocyclopentadiene	SNL0093366	LWDS-05-BH13	55	22-MAR-94	8270	330	U	330	F
Hexachlorocyclopentadiene	SNL0093637	LWDS-05-BH14	55	23-MAR-94	8270	330	U	330	F
Hexachlorocyclopentadiene	SNL0093547	LWDS-05-BH11	60	20-MAR-94	8270	330	U	330	F
Hexachlorocyclopentadiene	SNL0093645	LWDS-05-BH14	60	23-MAR-94	8270	330	U	330	D

Table A-5: Organics analyses of soil samples from ER Site 5.

Analyte	Sample Number	Sample Location	Sample Depth (Ft)	Sample Date	Analytical Method	Amount Detected (ug/kg)	Qualifier	Method Detection Limit	Sample Type
Hexachlorocyclopentadiene	SNL0093641	LWDS-05-BH14	60	23-MAR-94	8270	330	U	330	F
Hexachlorocyclopentadiene	SNL0091271	LWDS-MW1	60	22-AUG-92	8270	330	U	330	F
Hexachlorocyclopentadiene	SNL0093555	LWDS-05-BH11	65	20-MAR-94	8270	330	U	330	F
Hexachlorocyclopentadiene	SNL0091278	LWDS-MW1	68	23-AUG-92	8270	330	U	330	F
Hexachlorocyclopentadiene	SNL0093571	LWDS-05-BH11	70	20-MAR-94	8270	330	U	330	D
Hexachlorocyclopentadiene	SNL0093563	LWDS-05-BH11	70	20-MAR-94	8270	330	U	330	F
Hexachlorocyclopentadiene	SNL0091280	LWDS-MW1	80	23-AUG-92	8270	330	U	330	F
Hexachlorocyclopentadiene	SNL0091284	LWDS-MW1	89	23-AUG-92	8270	330	U	330	D
Hexachlorocyclopentadiene	SNL0091282	LWDS-MW1	89	23-AUG-92	8270	330	U	330	F
Hexachlorocyclopentadiene	SNL0091286	LWDS-MW1	102	24-AUG-92	8270	330	U	330	F
Hexachlorocyclopentadiene	SNL0091288	LWDS-MW1	110	24-AUG-92	8270	330	U	330	F
Hexachlorocyclopentadiene	SNL0091290	LWDS-MW1	110	24-AUG-92	8270	330	U	330	F
Hexachlorocyclopentadiene	SNL0091295	LWDS-MW1	120	25-AUG-92	8270	330	U	330	F
Hexachlorocyclopentadiene	SNL0091297	LWDS-MW1	130	25-AUG-92	8270	330	U	330	F
Hexachlorocyclopentadiene	SNL0091583	LWDS-MW1	143	02-SEP-92	8270	330	U	330	F
Hexachlorocyclopentadiene	SNL0091585	LWDS-MW1	150	02-SEP-92	8270	330	U	330	F
Hexachlorocyclopentadiene	SNL0092988	LWDS-MW1	176	06-APR-93	8270	330	U	330	F
Hexachlorocyclopentadiene	SNL0092998	LWDS-MW1	202	08-APR-93	8270	330	U	330	F
Hexachlorocyclopentadiene	SNL0093012	LWDS-MW1	226	13-APR-93	8270	330	U	330	F
Hexachlorocyclopentadiene	SNL0093022	LWDS-MW1	250	14-APR-93	8270	330	U	330	F
Hexachlorocyclopentadiene	SNL0093034	LWDS-MW1	274	15-APR-93	8270	330	U	330	F
Hexachlorocyclopentadiene	SNL0093054	LWDS-MW1	315	17-APR-93	8270	330	U	330	F
Hexachlorocyclopentadiene	SNL0093066	LWDS-MW1	346	19-APR-93	8270	330	U	330	F
Hexachlorocyclopentadiene	SNL0093044	LWDS-MW1	346	19-APR-93	8270	330	U	330	D
Hexachlorocyclopentadiene	SNL0093078	LWDS-MW1	390	21-APR-93	8270	330	U	330	F
Hexachlorocyclopentadiene	SNL0093101	LWDS-MW1	444	27-APR-93	8270	330	U	330	F
Hexachloroethane	SNL0093720	LWDS-05-BH13	0	29-MAR-94	8270	330	U	330	F
Hexachloroethane	SNL0093123	LWDS-MW1	0	30-APR-93	8270	330	U	330	F
Hexachloroethane	SNL0093091	LWDS-MW1	0	21-APR-93	8270	330	U	330	F
Hexachloroethane	SNL0091259	LWDS-MW1	12	22-AUG-92	8270	330	U	330	F
Hexachloroethane	SNL0091261	LWDS-MW1	21	22-AUG-92	8270	330	U	330	F
Hexachloroethane	SNL0093474	LWDS-05-BH11	25	20-MAR-94	8270	330	U	330	F
Hexachloroethane	SNL0093384	LWDS-05-BH12	25	21-MAR-94	8270	330	U	330	F
Hexachloroethane	SNL0093294	LWDS-05-BH13	25	22-MAR-94	8270	330	U	330	F
Hexachloroethane	SNL0093676	LWDS-05-BH14	25	23-MAR-94	8270	330	U	330	F
Hexachloroethane	SNL0093482	LWDS-05-BH11	30	20-MAR-94	8270	330	U	330	F
Hexachloroethane	SNL0093392	LWDS-05-BH12	30	21-MAR-94	8270	330	U	330	F
Hexachloroethane	SNL0093302	LWDS-05-BH13	30	22-MAR-94	8270	330	U	330	F
Hexachloroethane	SNL0093680	LWDS-05-BH14	30	23-MAR-94	8270	330	U	330	F
Hexachloroethane	SNL0091263	LWDS-MW1	30	22-AUG-92	8270	330	U	330	F
Hexachloroethane	SNL0093400	LWDS-05-BH12	32.5	21-MAR-94	8270	330	U	330	F
Hexachloroethane	SNL0093310	LWDS-05-BH13	32.5	22-MAR-94	8270	330	U	330	F
Hexachloroethane	SNL0093684	LWDS-05-BH14	32.5	23-MAR-94	8270	330	U	330	F
Hexachloroethane	SNL0093491	LWDS-05-BH11	35	20-MAR-94	8270	330	U	330	F
Hexachloroethane	SNL0093408	LWDS-05-BH12	35	21-MAR-94	8270	330	U	330	F
Hexachloroethane	SNL0093318	LWDS-05-BH13	35	22-MAR-94	8270	330	U	330	F
Hexachloroethane	SNL0093688	LWDS-05-BH14	35	23-MAR-94	8270	330	U	330	F
Hexachloroethane	SNL0093589	LWDS-05-BH11	37.5	20-MAR-94	8270	330	U	330	F
Hexachloroethane	SNL0093416	LWDS-05-BH12	37.5	21-MAR-94	8270	330	U	330	F
Hexachloroethane	SNL0093326	LWDS-05-BH13	37.5	22-MAR-94	8270	330	U	330	F
Hexachloroethane	SNL0093692	LWDS-05-BH14	37.5	23-MAR-94	8270	330	U	330	F
Hexachloroethane	SNL0091265	LWDS-MW1	39	22-AUG-92	8270	330	U	330	F
Hexachloroethane	SNL0093499	LWDS-05-BH11	40	20-MAR-94	8270	330	U	330	F
Hexachloroethane	SNL0093424	LWDS-05-BH12	40	21-MAR-94	8270	330	U	330	F
Hexachloroethane	SNL0093334	LWDS-05-BH13	40	22-MAR-94	8270	330	U	330	F
Hexachloroethane	SNL0093625	LWDS-05-BH14	40	23-MAR-94	8270	330	U	330	F
Hexachloroethane	SNL0093507	LWDS-05-BH11	42.5	20-MAR-94	8270	330	U	330	F
Hexachloroethane	SNL0093515	LWDS-05-BH11	45	20-MAR-94	8270	330	U	330	F
Hexachloroethane	SNL0093432	LWDS-05-BH12	45	21-MAR-94	8270	330	U	330	F
Hexachloroethane	SNL0093342	LWDS-05-BH13	45	22-MAR-94	8270	330	U	330	F
Hexachloroethane	SNL0093629	LWDS-05-BH14	45	23-MAR-94	8270	330	U	330	F
Hexachloroethane	SNL0093523	LWDS-05-BH11	47.5	20-MAR-94	8270	330	U	330	F
Hexachloroethane	SNL0093531	LWDS-05-BH11	50	20-MAR-94	8270	330	U	330	F
Hexachloroethane	SNL0093440	LWDS-05-BH12	50	21-MAR-94	8270	330	U	330	F
Hexachloroethane	SNL0093358	LWDS-05-BH13	50	22-MAR-94	8270	330	U	330	F
Hexachloroethane	SNL0093350	LWDS-05-BH13	50	22-MAR-94	8270	330	U	330	F
Hexachloroethane	SNL0093633	LWDS-05-BH14	50	23-MAR-94	8270	330	U	330	F

Table A-5: Organics analyses of soil samples from ER Site 5.

Analyte	Sample Number	Sample Location	Sample Depth (Ft)	Sample Date	Analytical Method	Amount Detected (ug/kg)	Qualifier	Method Detection Limit	Sample Type
Hexachloroethane	SNL0091269	LWDS-MW1	50	22-AUG-92	8270	330	U	330	D
Hexachloroethane	SNL0091267	LWDS-MW1	50	22-AUG-92	8270	330	U	330	F
Hexachloroethane	SNL0093539	LWDS-05-BH11	55	20-MAR-94	8270	330	U	330	F
Hexachloroethane	SNL0093456	LWDS-05-BH12	55	21-MAR-94	8270	330	U	330	D
Hexachloroethane	SNL0093448	LWDS-05-BH12	55	21-MAR-94	8270	330	U	330	F
Hexachloroethane	SNL0093366	LWDS-05-BH13	55	22-MAR-94	8270	330	U	330	F
Hexachloroethane	SNL0093637	LWDS-05-BH14	55	23-MAR-94	8270	330	U	330	F
Hexachloroethane	SNL0093547	LWDS-05-BH11	60	20-MAR-94	8270	330	U	330	F
Hexachloroethane	SNL0093645	LWDS-05-BH14	60	23-MAR-94	8270	330	U	330	D
Hexachloroethane	SNL0093641	LWDS-05-BH14	60	23-MAR-94	8270	330	U	330	F
Hexachloroethane	SNL0091271	LWDS-MW1	60	22-AUG-92	8270	330	U	330	F
Hexachloroethane	SNL0093555	LWDS-05-BH11	65	20-MAR-94	8270	330	U	330	F
Hexachloroethane	SNL0091278	LWDS-MW1	68	23-AUG-92	8270	330	U	330	F
Hexachloroethane	SNL0093571	LWDS-05-BH11	70	20-MAR-94	8270	330	U	330	D
Hexachloroethane	SNL0093563	LWDS-05-BH11	70	20-MAR-94	8270	330	U	330	F
Hexachloroethane	SNL0091280	LWDS-MW1	80	23-AUG-92	8270	330	U	330	F
Hexachloroethane	SNL0091284	LWDS-MW1	89	23-AUG-92	8270	330	U	330	D
Hexachloroethane	SNL0091282	LWDS-MW1	89	23-AUG-92	8270	330	U	330	F
Hexachloroethane	SNL0091286	LWDS-MW1	102	24-AUG-92	8270	330	U	330	F
Hexachloroethane	SNL0091288	LWDS-MW1	110	24-AUG-92	8270	330	U	330	F
Hexachloroethane	SNL0091290	LWDS-MW1	110	24-AUG-92	8270	330	U	330	F
Hexachloroethane	SNL0091295	LWDS-MW1	120	25-AUG-92	8270	330	U	330	F
Hexachloroethane	SNL0091297	LWDS-MW1	130	25-AUG-92	8270	330	U	330	F
Hexachloroethane	SNL0091583	LWDS-MW1	143	02-SEP-92	8270	330	U	330	F
Hexachloroethane	SNL0091585	LWDS-MW1	150	02-SEP-92	8270	330	U	330	F
Hexachloroethane	SNL0092988	LWDS-MW1	176	06-APR-93	8270	330	U	330	F
Hexachloroethane	SNL0092998	LWDS-MW1	202	08-APR-93	8270	330	U	330	F
Hexachloroethane	SNL0093012	LWDS-MW1	226	13-APR-93	8270	330	U	330	F
Hexachloroethane	SNL0093022	LWDS-MW1	250	14-APR-93	8270	330	U	330	F
Hexachloroethane	SNL0093034	LWDS-MW1	274	15-APR-93	8270	330	U	330	F
Hexachloroethane	SNL0093054	LWDS-MW1	315	17-APR-93	8270	330	U	330	F
Hexachloroethane	SNL0093044	LWDS-MW1	346	19-APR-93	8270	330	U	330	D
Hexachloroethane	SNL0093066	LWDS-MW1	346	19-APR-93	8270	330	U	330	F
Hexachloroethane	SNL0093078	LWDS-MW1	390	21-APR-93	8270	330	U	330	F
Hexachloroethane	SNL0093101	LWDS-MW1	444	27-APR-93	8270	330	U	330	F
Hexanone, 2-	SNL0093572	LWDS-05-BH11	0	20-MAR-94	8240	10	U	10	TB
Hexanone, 2-	SNL0093466	LWDS-05-BH12	0	21-MAR-94	8240	10	U	10	TB
Hexanone, 2-	SNL0093375	LWDS-05-BH13	0	22-MAR-94	8240	10	U	10	TB
Hexanone, 2-	SNL0093717	LWDS-05-BH13	0	29-MAR-94	8240	10	U	10	F
Hexanone, 2-	SNL0093655	LWDS-05-BH14	0	23-MAR-94	8240	10	U	10	TB
Hexanone, 2-	SNL0093115	LWDS-MW1	0	30-APR-93	8240	10	U	10	F
Hexanone, 2-	SNL0093083	LWDS-MW1	0	21-APR-93	8240	10	U	10	F
Hexanone, 2-	SNL0091258	LWDS-MW1	12	22-AUG-92	8240	10	U	10	F
Hexanone, 2-	SNL0091260	LWDS-MW1	21	22-AUG-92	8240	10	U	10	F
Hexanone, 2-	SNL0093467	LWDS-05-BH11	25	20-MAR-94	8240	10	U	10	F
Hexanone, 2-	SNL0093377	LWDS-05-BH12	25	21-MAR-94	8240	10	U	10	F
Hexanone, 2-	SNL0093287	LWDS-05-BH13	25	22-MAR-94	8240	10	U	10	F
Hexanone, 2-	SNL0093673	LWDS-05-BH14	25	23-MAR-94	8240	10	U	10	F
Hexanone, 2-	SNL0093475	LWDS-05-BH11	30	20-MAR-94	8240	10	U	10	F
Hexanone, 2-	SNL0093385	LWDS-05-BH12	30	21-MAR-94	8240	10	U	10	F
Hexanone, 2-	SNL0093295	LWDS-05-BH13	30	22-MAR-94	8240	10	U	10	F
Hexanone, 2-	SNL0093677	LWDS-05-BH14	30	23-MAR-94	8240	10	U	10	F
Hexanone, 2-	SNL0091262	LWDS-MW1	30	22-AUG-92	8240	10	U	10	F
Hexanone, 2-	SNL0093483	LWDS-05-BH11	32.5	20-MAR-94	8240	10	U	10	F
Hexanone, 2-	SNL0093393	LWDS-05-BH12	32.5	21-MAR-94	8240	10	U	10	F
Hexanone, 2-	SNL0093303	LWDS-05-BH13	32.5	22-MAR-94	8240	10	U	10	F
Hexanone, 2-	SNL0093681	LWDS-05-BH14	32.5	23-MAR-94	8240	10	U	10	F
Hexanone, 2-	SNL0093484	LWDS-05-BH11	35	20-MAR-94	8240	10	U	10	F
Hexanone, 2-	SNL0093401	LWDS-05-BH12	35	21-MAR-94	8240	10	U	10	F
Hexanone, 2-	SNL0093311	LWDS-05-BH13	35	22-MAR-94	8240	10	U	10	F
Hexanone, 2-	SNL0093685	LWDS-05-BH14	35	23-MAR-94	8240	10	U	10	F
Hexanone, 2-	SNL0093582	LWDS-05-BH11	37.5	20-MAR-94	8240	10	U	10	F
Hexanone, 2-	SNL0093409	LWDS-05-BH12	37.5	21-MAR-94	8240	10	U	10	F
Hexanone, 2-	SNL0093319	LWDS-05-BH13	37.5	22-MAR-94	8240	10	U	10	F
Hexanone, 2-	SNL0093689	LWDS-05-BH14	37.5	23-MAR-94	8240	10	U	10	F
Hexanone, 2-	SNL0091264	LWDS-MW1	39	22-AUG-92	8240	10	U	10	F
Hexanone, 2-	SNL0093492	LWDS-05-BH11	40	20-MAR-94	8240	10	U	10	F

Table A-5: Organics analyses of soil samples from ER Site 5.

Analyte	Sample Number	Sample Location	Sample Depth (Ft)	Sample Date	Analytical Method	Amount Detected (ug/kg)	Qualifier	Method Detection Limit	Sample Type
Hexanone, 2-	SNL0093417	LWDS-05-BH12	40	21-MAR-94	8240	10	U	10	F
Hexanone, 2-	SNL0093327	LWDS-05-BH13	40	22-MAR-94	8240	10	U	10	F
Hexanone, 2-	SNL0093693	LWDS-05-BH14	40	23-MAR-94	8240	10	U	10	F
Hexanone, 2-	SNL0093500	LWDS-05-BH11	42.5	20-MAR-94	8240	10	U	10	F
Hexanone, 2-	SNL0093508	LWDS-05-BH11	45	20-MAR-94	8240	10	U	10	F
Hexanone, 2-	SNL0093425	LWDS-05-BH12	45	21-MAR-94	8240	10	U	10	F
Hexanone, 2-	SNL0093335	LWDS-05-BH13	45	22-MAR-94	8240	10	U	10	F
Hexanone, 2-	SNL0093626	LWDS-05-BH14	45	23-MAR-94	8240	10	U	10	F
Hexanone, 2-	SNL0093516	LWDS-05-BH11	47.5	20-MAR-94	8240	10	U	10	F
Hexanone, 2-	SNL0093524	LWDS-05-BH11	50	20-MAR-94	8240	10	U	10	F
Hexanone, 2-	SNL0093433	LWDS-05-BH12	50	21-MAR-94	8240	10	U	10	F
Hexanone, 2-	SNL0093351	LWDS-05-BH13	50	22-MAR-94	8240	10	U	10	D
Hexanone, 2-	SNL0093343	LWDS-05-BH13	50	22-MAR-94	8240	10	U	10	F
Hexanone, 2-	SNL0093630	LWDS-05-BH14	50	23-MAR-94	8240	10	U	10	F
Hexanone, 2-	SNL0091268	LWDS-MW1	50	22-AUG-92	8240	10	U	10	D
Hexanone, 2-	SNL0091266	LWDS-MW1	50	22-AUG-92	8240	10	U	10	F
Hexanone, 2-	SNL0093532	LWDS-05-BH11	55	20-MAR-94	8240	10	U	10	F
Hexanone, 2-	SNL0093449	LWDS-05-BH12	55	21-MAR-94	8240	10	U	10	D
Hexanone, 2-	SNL0093441	LWDS-05-BH12	55	21-MAR-94	8240	10	U	10	F
Hexanone, 2-	SNL0093359	LWDS-05-BH13	55	22-MAR-94	8240	10	U	10	F
Hexanone, 2-	SNL0093634	LWDS-05-BH14	55	23-MAR-94	8240	10	U	10	F
Hexanone, 2-	SNL0093540	LWDS-05-BH11	60	20-MAR-94	8240	10	U	10	F
Hexanone, 2-	SNL0093642	LWDS-05-BH14	60	23-MAR-94	8240	10	U	10	D
Hexanone, 2-	SNL0093638	LWDS-05-BH14	60	23-MAR-94	8240	10	U	10	F
Hexanone, 2-	SNL0091270	LWDS-MW1	60	22-AUG-92	8240	10	U	10	F
Hexanone, 2-	SNL0093548	LWDS-05-BH11	65	20-MAR-94	8240	10	U	10	F
Hexanone, 2-	SNL0091277	LWDS-MW1	68	23-AUG-92	8240	10	U	10	F
Hexanone, 2-	SNL0093564	LWDS-05-BH11	70	20-MAR-94	8240	10	U	10	D
Hexanone, 2-	SNL0093556	LWDS-05-BH11	70	20-MAR-94	8240	10	U	10	F
Hexanone, 2-	SNL0091279	LWDS-MW1	80	23-AUG-92	8240	10	U	10	F
Hexanone, 2-	SNL0091283	LWDS-MW1	89	23-AUG-92	8240	10	U	10	D
Hexanone, 2-	SNL0091281	LWDS-MW1	89	23-AUG-92	8240	10	U	10	F
Hexanone, 2-	SNL0091285	LWDS-MW1	102	24-AUG-92	8240	10	U	10	F
Hexanone, 2-	SNL0091287	LWDS-MW1	110	24-AUG-92	8240	10	U	10	F
Hexanone, 2-	SNL0091289	LWDS-MW1	110	24-AUG-92	8240	10	U	10	F
Hexanone, 2-	SNL0091294	LWDS-MW1	120	25-AUG-92	8240	10	U	10	F
Hexanone, 2-	SNL0091296	LWDS-MW1	130	25-AUG-92	8240	10	U	10	F
Hexanone, 2-	SNL0091582	LWDS-MW1	143	02-SEP-92	8240	10	U	10	F
Hexanone, 2-	SNL0091584	LWDS-MW1	150	02-SEP-92	8240	10	U	10	F
Hexanone, 2-	SNL0092980	LWDS-MW1	176	06-APR-93	8240	10	U	10	F
Hexanone, 2-	SNL0092990	LWDS-MW1	202	08-APR-93	8240	10	U	10	F
Hexanone, 2-	SNL0093004	LWDS-MW1	226	13-APR-93	8240	10	U	10	F
Hexanone, 2-	SNL0093014	LWDS-MW1	250	14-APR-93	8240	10	U	10	F
Hexanone, 2-	SNL0093026	LWDS-MW1	274	15-APR-93	8240	10	U	10	F
Hexanone, 2-	SNL0093046	LWDS-MW1	315	17-APR-93	8240	10	U	10	F
Hexanone, 2-	SNL0093058	LWDS-MW1	346	19-APR-93	8240	10	U	10	F
Hexanone, 2-	SNL0093036	LWDS-MW1	346	19-APR-93	8240	10	U	10	D
Hexanone, 2-	SNL0093070	LWDS-MW1	390	21-APR-93	8240	10	U	10	F
Hexanone, 2-	SNL0093093	LWDS-MW1	444	27-APR-93	8240	10	U	10	F
Indeno(1,2,3-c,d)pyrene	SNL0093720	LWDS-05-BH13	0	29-MAR-94	8270	330	U	330	F
Indeno(1,2,3-c,d)pyrene	SNL0093123	LWDS-MW1	0	30-APR-93	8270	330	U	330	F
Indeno(1,2,3-c,d)pyrene	SNL0093091	LWDS-MW1	0	21-APR-93	8270	330	U	330	F
Indeno(1,2,3-c,d)pyrene	SNL0091259	LWDS-MW1	12	22-AUG-92	8270	330	U	330	F
Indeno(1,2,3-c,d)pyrene	SNL0091261	LWDS-MW1	21	22-AUG-92	8270	330	U	330	F
Indeno(1,2,3-c,d)pyrene	SNL0093474	LWDS-05-BH11	25	20-MAR-94	8270	330	U	330	F
Indeno(1,2,3-c,d)pyrene	SNL0093384	LWDS-05-BH12	25	21-MAR-94	8270	330	U	330	F
Indeno(1,2,3-c,d)pyrene	SNL0093294	LWDS-05-BH13	25	22-MAR-94	8270	330	U	330	F
Indeno(1,2,3-c,d)pyrene	SNL0093676	LWDS-05-BH14	25	23-MAR-94	8270	330	U	330	F
Indeno(1,2,3-c,d)pyrene	SNL0093482	LWDS-05-BH11	30	20-MAR-94	8270	330	U	330	F
Indeno(1,2,3-c,d)pyrene	SNL0093392	LWDS-05-BH12	30	21-MAR-94	8270	330	U	330	F
Indeno(1,2,3-c,d)pyrene	SNL0093302	LWDS-05-BH13	30	22-MAR-94	8270	330	U	330	F
Indeno(1,2,3-c,d)pyrene	SNL0093680	LWDS-05-BH14	30	23-MAR-94	8270	330	U	330	F
Indeno(1,2,3-c,d)pyrene	SNL0091263	LWDS-MW1	30	22-AUG-92	8270	330	U	330	F
Indeno(1,2,3-c,d)pyrene	SNL0093400	LWDS-05-BH12	32.5	21-MAR-94	8270	330	U	330	F
Indeno(1,2,3-c,d)pyrene	SNL0093310	LWDS-05-BH13	32.5	22-MAR-94	8270	330	U	330	F
Indeno(1,2,3-c,d)pyrene	SNL0093684	LWDS-05-BH14	32.5	23-MAR-94	8270	330	U	330	F
Indeno(1,2,3-c,d)pyrene	SNL0093491	LWDS-05-BH11	35	20-MAR-94	8270	330	U	330	F

Table A-5: Organics analyses of soil samples from ER Site 5.

Analyte	Sample Number	Sample Location	Sample Depth (Ft)	Sample Date	Analytical Method	Amount Detected (ug/kg)	Qualifier	Method Detection Limit	Sample Type
Indeno(1,2,3-c,d)pyrene	SNL0093408	LWDS-05-BH12	35	21-MAR-94	8270	330	U	330	F
Indeno(1,2,3-c,d)pyrene	SNL0093318	LWDS-05-BH13	35	22-MAR-94	8270	330	U	330	F
Indeno(1,2,3-c,d)pyrene	SNL0093688	LWDS-05-BH14	35	23-MAR-94	8270	330	U	330	F
Indeno(1,2,3-c,d)pyrene	SNL0093589	LWDS-05-BH11	37.5	20-MAR-94	8270	330	U	330	F
Indeno(1,2,3-c,d)pyrene	SNL0093416	LWDS-05-BH12	37.5	21-MAR-94	8270	330	U	330	F
Indeno(1,2,3-c,d)pyrene	SNL0093326	LWDS-05-BH13	37.5	22-MAR-94	8270	330	U	330	F
Indeno(1,2,3-c,d)pyrene	SNL0093692	LWDS-05-BH14	37.5	23-MAR-94	8270	330	U	330	F
Indeno(1,2,3-c,d)pyrene	SNL0091265	LWDS-MW1	39	22-AUG-92	8270	330	U	330	F
Indeno(1,2,3-c,d)pyrene	SNL0093499	LWDS-05-BH11	40	20-MAR-94	8270	330	U	330	F
Indeno(1,2,3-c,d)pyrene	SNL0093424	LWDS-05-BH12	40	21-MAR-94	8270	330	U	330	F
Indeno(1,2,3-c,d)pyrene	SNL0093334	LWDS-05-BH13	40	22-MAR-94	8270	330	U	330	F
Indeno(1,2,3-c,d)pyrene	SNL0093625	LWDS-05-BH14	40	23-MAR-94	8270	330	U	330	F
Indeno(1,2,3-c,d)pyrene	SNL0093507	LWDS-05-BH11	42.5	20-MAR-94	8270	330	U	330	F
Indeno(1,2,3-c,d)pyrene	SNL0093515	LWDS-05-BH11	45	20-MAR-94	8270	330	U	330	F
Indeno(1,2,3-c,d)pyrene	SNL0093432	LWDS-05-BH12	45	21-MAR-94	8270	330	U	330	F
Indeno(1,2,3-c,d)pyrene	SNL0093342	LWDS-05-BH13	45	22-MAR-94	8270	330	U	330	F
Indeno(1,2,3-c,d)pyrene	SNL0093629	LWDS-05-BH14	45	23-MAR-94	8270	330	U	330	F
Indeno(1,2,3-c,d)pyrene	SNL0093523	LWDS-05-BH11	47.5	20-MAR-94	8270	330	U	330	F
Indeno(1,2,3-c,d)pyrene	SNL0093531	LWDS-05-BH11	50	20-MAR-94	8270	330	U	330	F
Indeno(1,2,3-c,d)pyrene	SNL0093440	LWDS-05-BH12	50	21-MAR-94	8270	330	U	330	F
Indeno(1,2,3-c,d)pyrene	SNL0093350	LWDS-05-BH13	50	22-MAR-94	8270	330	U	330	F
Indeno(1,2,3-c,d)pyrene	SNL0093358	LWDS-05-BH13	50	22-MAR-94	8270	330	U	330	F
Indeno(1,2,3-c,d)pyrene	SNL0093633	LWDS-05-BH14	50	23-MAR-94	8270	330	U	330	F
Indeno(1,2,3-c,d)pyrene	SNL0091269	LWDS-MW1	50	22-AUG-92	8270	330	U	330	D
Indeno(1,2,3-c,d)pyrene	SNL0091267	LWDS-MW1	50	22-AUG-92	8270	330	U	330	F
Indeno(1,2,3-c,d)pyrene	SNL0093539	LWDS-05-BH11	55	20-MAR-94	8270	330	U	330	F
Indeno(1,2,3-c,d)pyrene	SNL0093456	LWDS-05-BH12	55	21-MAR-94	8270	330	U	330	D
Indeno(1,2,3-c,d)pyrene	SNL0093448	LWDS-05-BH12	55	21-MAR-94	8270	330	U	330	F
Indeno(1,2,3-c,d)pyrene	SNL0093366	LWDS-05-BH13	55	22-MAR-94	8270	330	U	330	F
Indeno(1,2,3-c,d)pyrene	SNL0093637	LWDS-05-BH14	55	23-MAR-94	8270	330	U	330	F
Indeno(1,2,3-c,d)pyrene	SNL0093547	LWDS-05-BH11	60	20-MAR-94	8270	330	U	330	F
Indeno(1,2,3-c,d)pyrene	SNL0093641	LWDS-05-BH14	60	23-MAR-94	8270	330	U	330	F
Indeno(1,2,3-c,d)pyrene	SNL0093645	LWDS-05-BH14	60	23-MAR-94	8270	330	U	330	D
Indeno(1,2,3-c,d)pyrene	SNL0091271	LWDS-MW1	60	22-AUG-92	8270	330	U	330	F
Indeno(1,2,3-c,d)pyrene	SNL0093555	LWDS-05-BH11	65	20-MAR-94	8270	330	U	330	F
Indeno(1,2,3-c,d)pyrene	SNL0091278	LWDS-MW1	68	23-AUG-92	8270	330	U	330	F
Indeno(1,2,3-c,d)pyrene	SNL0093571	LWDS-05-BH11	70	20-MAR-94	8270	330	U	330	D
Indeno(1,2,3-c,d)pyrene	SNL0093563	LWDS-05-BH11	70	20-MAR-94	8270	330	U	330	F
Indeno(1,2,3-c,d)pyrene	SNL0091280	LWDS-MW1	80	23-AUG-92	8270	330	U	330	F
Indeno(1,2,3-c,d)pyrene	SNL0091284	LWDS-MW1	89	23-AUG-92	8270	330	U	330	D
Indeno(1,2,3-c,d)pyrene	SNL0091282	LWDS-MW1	89	23-AUG-92	8270	330	U	330	F
Indeno(1,2,3-c,d)pyrene	SNL0091286	LWDS-MW1	102	24-AUG-92	8270	330	U	330	F
Indeno(1,2,3-c,d)pyrene	SNL0091290	LWDS-MW1	110	24-AUG-92	8270	330	U	330	F
Indeno(1,2,3-c,d)pyrene	SNL0091288	LWDS-MW1	110	24-AUG-92	8270	330	U	330	F
Indeno(1,2,3-c,d)pyrene	SNL0091295	LWDS-MW1	120	25-AUG-92	8270	330	U	330	F
Indeno(1,2,3-c,d)pyrene	SNL0091297	LWDS-MW1	130	25-AUG-92	8270	330	U	330	F
Indeno(1,2,3-c,d)pyrene	SNL0091583	LWDS-MW1	143	02-SEP-92	8270	330	U	330	F
Indeno(1,2,3-c,d)pyrene	SNL0091585	LWDS-MW1	150	02-SEP-92	8270	330	U	330	F
Indeno(1,2,3-c,d)pyrene	SNL0092988	LWDS-MW1	176	06-APR-93	8270	330	U	330	F
Indeno(1,2,3-c,d)pyrene	SNL0092998	LWDS-MW1	202	08-APR-93	8270	330	U	330	F
Indeno(1,2,3-c,d)pyrene	SNL0093012	LWDS-MW1	226	13-APR-93	8270	330	U	330	F
Indeno(1,2,3-c,d)pyrene	SNL0093022	LWDS-MW1	250	14-APR-93	8270	330	U	330	F
Indeno(1,2,3-c,d)pyrene	SNL0093034	LWDS-MW1	274	15-APR-93	8270	330	U	330	F
Indeno(1,2,3-c,d)pyrene	SNL0093054	LWDS-MW1	315	17-APR-93	8270	330	U	330	F
Indeno(1,2,3-c,d)pyrene	SNL0093066	LWDS-MW1	346	19-APR-93	8270	330	U	330	F
Indeno(1,2,3-c,d)pyrene	SNL0093044	LWDS-MW1	346	19-APR-93	8270	330	U	330	D
Indeno(1,2,3-c,d)pyrene	SNL0093078	LWDS-MW1	390	21-APR-93	8270	330	U	330	F
Indeno(1,2,3-c,d)pyrene	SNL0093101	LWDS-MW1	444	27-APR-93	8270	330	U	330	F
Isophorone	SNL0093720	LWDS-05-BH13	0	29-MAR-94	8270	330	U	330	F
Isophorone	SNL0093123	LWDS-MW1	0	30-APR-93	8270	330	U	330	F
Isophorone	SNL0093091	LWDS-MW1	0	21-APR-93	8270	330	U	330	F
Isophorone	SNL0091259	LWDS-MW1	12	22-AUG-92	8270	330	U	330	F
Isophorone	SNL0091261	LWDS-MW1	21	22-AUG-92	8270	330	U	330	F
Isophorone	SNL0093474	LWDS-05-BH11	25	20-MAR-94	8270	330	U	330	F
Isophorone	SNL0093384	LWDS-05-BH12	25	21-MAR-94	8270	330	U	330	F
Isophorone	SNL0093294	LWDS-05-BH13	25	22-MAR-94	8270	330	U	330	F
Isophorone	SNL0093676	LWDS-05-BH14	25	23-MAR-94	8270	330	U	330	F

Table A-5: Organics analyses of soil samples from ER Site 5.

Analyte	Sample Number	Sample Location	Sample Depth (Ft)	Sample Date	Analytical Method	Amount Detected (ug/kg)	Qualifier	Method Detection Limit	Sample Type
Isophorone	SNL0093482	LWDS-05-BH11	30	20-MAR-94	8270	330	U	330	F
Isophorone	SNL0093392	LWDS-05-BH12	30	21-MAR-94	8270	330	U	330	F
Isophorone	SNL0093302	LWDS-05-BH13	30	22-MAR-94	8270	330	U	330	F
Isophorone	SNL0093680	LWDS-05-BH14	30	23-MAR-94	8270	330	U	330	F
Isophorone	SNL0091263	LWDS-MW1	30	22-AUG-92	8270	330	U	330	F
Isophorone	SNL0093400	LWDS-05-BH12	32.5	21-MAR-94	8270	330	U	330	F
Isophorone	SNL0093310	LWDS-05-BH13	32.5	22-MAR-94	8270	330	U	330	F
Isophorone	SNL0093684	LWDS-05-BH14	32.5	23-MAR-94	8270	330	U	330	F
Isophorone	SNL0093491	LWDS-05-BH11	35	20-MAR-94	8270	330	U	330	F
Isophorone	SNL0093408	LWDS-05-BH12	35	21-MAR-94	8270	330	U	330	F
Isophorone	SNL0093318	LWDS-05-BH13	35	22-MAR-94	8270	330	U	330	F
Isophorone	SNL0093688	LWDS-05-BH14	35	23-MAR-94	8270	330	U	330	F
Isophorone	SNL0093589	LWDS-05-BH11	37.5	20-MAR-94	8270	330	U	330	F
Isophorone	SNL0093416	LWDS-05-BH12	37.5	21-MAR-94	8270	330	U	330	F
Isophorone	SNL0093326	LWDS-05-BH13	37.5	22-MAR-94	8270	330	U	330	F
Isophorone	SNL0093692	LWDS-05-BH14	37.5	23-MAR-94	8270	330	U	330	F
Isophorone	SNL0091265	LWDS-MW1	39	22-AUG-92	8270	330	U	330	F
Isophorone	SNL0093499	LWDS-05-BH11	40	20-MAR-94	8270	330	U	330	F
Isophorone	SNL0093424	LWDS-05-BH12	40	21-MAR-94	8270	330	U	330	F
Isophorone	SNL0093334	LWDS-05-BH13	40	22-MAR-94	8270	330	U	330	F
Isophorone	SNL0093625	LWDS-05-BH14	40	23-MAR-94	8270	330	U	330	F
Isophorone	SNL0093507	LWDS-05-BH11	42.5	20-MAR-94	8270	330	U	330	F
Isophorone	SNL0093515	LWDS-05-BH11	45	20-MAR-94	8270	330	U	330	F
Isophorone	SNL0093432	LWDS-05-BH12	45	21-MAR-94	8270	330	U	330	F
Isophorone	SNL0093342	LWDS-05-BH13	45	22-MAR-94	8270	330	U	330	F
Isophorone	SNL0093629	LWDS-05-BH14	45	23-MAR-94	8270	330	U	330	F
Isophorone	SNL0093523	LWDS-05-BH11	47.5	20-MAR-94	8270	330	U	330	F
Isophorone	SNL0093531	LWDS-05-BH11	50	20-MAR-94	8270	330	U	330	F
Isophorone	SNL0093440	LWDS-05-BH12	50	21-MAR-94	8270	330	U	330	F
Isophorone	SNL0093350	LWDS-05-BH13	50	22-MAR-94	8270	330	U	330	F
Isophorone	SNL0093358	LWDS-05-BH13	50	22-MAR-94	8270	330	U	330	F
Isophorone	SNL0093633	LWDS-05-BH14	50	23-MAR-94	8270	330	U	330	F
Isophorone	SNL0091267	LWDS-MW1	50	22-AUG-92	8270	330	U	330	F
Isophorone	SNL0091269	LWDS-MW1	50	22-AUG-92	8270	330	U	330	D
Isophorone	SNL0093539	LWDS-05-BH11	55	20-MAR-94	8270	330	U	330	F
Isophorone	SNL0093448	LWDS-05-BH12	55	21-MAR-94	8270	330	U	330	F
Isophorone	SNL0093456	LWDS-05-BH12	55	21-MAR-94	8270	330	U	330	D
Isophorone	SNL0093366	LWDS-05-BH13	55	22-MAR-94	8270	330	U	330	F
Isophorone	SNL0093637	LWDS-05-BH14	55	23-MAR-94	8270	330	U	330	F
Isophorone	SNL0093547	LWDS-05-BH11	60	20-MAR-94	8270	330	U	330	F
Isophorone	SNL0093645	LWDS-05-BH14	60	23-MAR-94	8270	330	U	330	D
Isophorone	SNL0093641	LWDS-05-BH14	60	23-MAR-94	8270	330	U	330	F
Isophorone	SNL0091271	LWDS-MW1	60	22-AUG-92	8270	330	U	330	F
Isophorone	SNL0093555	LWDS-05-BH11	65	20-MAR-94	8270	330	U	330	F
Isophorone	SNL0091278	LWDS-MW1	68	23-AUG-92	8270	330	U	330	F
Isophorone	SNL0093571	LWDS-05-BH11	70	20-MAR-94	8270	330	U	330	D
Isophorone	SNL0093563	LWDS-05-BH11	70	20-MAR-94	8270	330	U	330	F
Isophorone	SNL0091280	LWDS-MW1	80	23-AUG-92	8270	330	U	330	F
Isophorone	SNL0091282	LWDS-MW1	89	23-AUG-92	8270	330	U	330	F
Isophorone	SNL0091284	LWDS-MW1	89	23-AUG-92	8270	330	U	330	D
Isophorone	SNL0091286	LWDS-MW1	102	24-AUG-92	8270	330	U	330	F
Isophorone	SNL0091288	LWDS-MW1	110	24-AUG-92	8270	330	U	330	F
Isophorone	SNL0091290	LWDS-MW1	110	24-AUG-92	8270	330	U	330	F
Isophorone	SNL0091295	LWDS-MW1	120	25-AUG-92	8270	330	U	330	F
Isophorone	SNL0091297	LWDS-MW1	130	25-AUG-92	8270	330	U	330	F
Isophorone	SNL0091583	LWDS-MW1	143	02-SEP-92	8270	330	U	330	F
Isophorone	SNL0091585	LWDS-MW1	150	02-SEP-92	8270	330	U	330	F
Isophorone	SNL0092988	LWDS-MW1	176	06-APR-93	8270	330	U	330	F
Isophorone	SNL0092998	LWDS-MW1	202	08-APR-93	8270	330	U	330	F
Isophorone	SNL0093012	LWDS-MW1	226	13-APR-93	8270	330	U	330	F
Isophorone	SNL0093022	LWDS-MW1	250	14-APR-93	8270	330	U	330	F
Isophorone	SNL0093034	LWDS-MW1	274	15-APR-93	8270	330	U	330	F
Isophorone	SNL0093054	LWDS-MW1	315	17-APR-93	8270	330	U	330	F
Isophorone	SNL0093066	LWDS-MW1	346	19-APR-93	8270	330	U	330	F
Isophorone	SNL0093044	LWDS-MW1	346	19-APR-93	8270	330	U	330	D
Isophorone	SNL0093078	LWDS-MW1	390	21-APR-93	8270	330	U	330	F
Isophorone	SNL0093101	LWDS-MW1	444	27-APR-93	8270	330	U	330	F

Table A-5: Organics analyses of soil samples from ER Site 5.

Analyte	Sample Number	Sample Location	Sample Depth (Ft)	Sample Date	Analytical Method	Amount Detected (ug/kg)	Qualifier	Method Detection Limit	Sample Type
Methylnaphthalene, 2-	SNL0093720	LWDS-05-BH13	0	29-MAR-94	8270	330	U	330	F
Methylnaphthalene, 2-	SNL0093123	LWDS-MW1	0	30-APR-93	8270	330	U	330	F
Methylnaphthalene, 2-	SNL0093091	LWDS-MW1	0	21-APR-93	8270	330	U	330	F
Methylnaphthalene, 2-	SNL0091259	LWDS-MW1	12	22-AUG-92	8270	330	U	330	F
Methylnaphthalene, 2-	SNL0091261	LWDS-MW1	21	22-AUG-92	8270	330	U	330	F
Methylnaphthalene, 2-	SNL0093474	LWDS-05-BH11	25	20-MAR-94	8270	330	U	330	F
Methylnaphthalene, 2-	SNL0093384	LWDS-05-BH12	25	21-MAR-94	8270	330	U	330	F
Methylnaphthalene, 2-	SNL0093294	LWDS-05-BH13	25	22-MAR-94	8270	330	U	330	F
Methylnaphthalene, 2-	SNL0093676	LWDS-05-BH14	25	23-MAR-94	8270	330	U	330	F
Methylnaphthalene, 2-	SNL0093482	LWDS-05-BH11	30	20-MAR-94	8270	330	U	330	F
Methylnaphthalene, 2-	SNL0093392	LWDS-05-BH12	30	21-MAR-94	8270	330	U	330	F
Methylnaphthalene, 2-	SNL0093302	LWDS-05-BH13	30	22-MAR-94	8270	330	U	330	F
Methylnaphthalene, 2-	SNL0093680	LWDS-05-BH14	30	23-MAR-94	8270	330	U	330	F
Methylnaphthalene, 2-	SNL0091263	LWDS-MW1	30	22-AUG-92	8270	330	U	330	F
Methylnaphthalene, 2-	SNL0093400	LWDS-05-BH12	32.5	21-MAR-94	8270	330	U	330	F
Methylnaphthalene, 2-	SNL0093310	LWDS-05-BH13	32.5	22-MAR-94	8270	330	U	330	F
Methylnaphthalene, 2-	SNL0093684	LWDS-05-BH14	32.5	23-MAR-94	8270	330	U	330	F
Methylnaphthalene, 2-	SNL0093491	LWDS-05-BH11	35	20-MAR-94	8270	330	U	330	F
Methylnaphthalene, 2-	SNL0093408	LWDS-05-BH12	35	21-MAR-94	8270	330	U	330	F
Methylnaphthalene, 2-	SNL0093318	LWDS-05-BH13	35	22-MAR-94	8270	330	U	330	F
Methylnaphthalene, 2-	SNL0093688	LWDS-05-BH14	35	23-MAR-94	8270	330	U	330	F
Methylnaphthalene, 2-	SNL0093589	LWDS-05-BH11	37.5	20-MAR-94	8270	330	U	330	F
Methylnaphthalene, 2-	SNL0093416	LWDS-05-BH12	37.5	21-MAR-94	8270	330	U	330	F
Methylnaphthalene, 2-	SNL0093326	LWDS-05-BH13	37.5	22-MAR-94	8270	330	U	330	F
Methylnaphthalene, 2-	SNL0093692	LWDS-05-BH14	37.5	23-MAR-94	8270	330	U	330	F
Methylnaphthalene, 2-	SNL0091265	LWDS-MW1	39	22-AUG-92	8270	330	U	330	F
Methylnaphthalene, 2-	SNL0093499	LWDS-05-BH11	40	20-MAR-94	8270	330	U	330	F
Methylnaphthalene, 2-	SNL0093424	LWDS-05-BH12	40	21-MAR-94	8270	330	U	330	F
Methylnaphthalene, 2-	SNL0093334	LWDS-05-BH13	40	22-MAR-94	8270	330	U	330	F
Methylnaphthalene, 2-	SNL0093625	LWDS-05-BH14	40	23-MAR-94	8270	330	U	330	F
Methylnaphthalene, 2-	SNL0093507	LWDS-05-BH11	42.5	20-MAR-94	8270	330	U	330	F
Methylnaphthalene, 2-	SNL0093515	LWDS-05-BH11	45	20-MAR-94	8270	330	U	330	F
Methylnaphthalene, 2-	SNL0093432	LWDS-05-BH12	45	21-MAR-94	8270	330	U	330	F
Methylnaphthalene, 2-	SNL0093342	LWDS-05-BH13	45	22-MAR-94	8270	330	U	330	F
Methylnaphthalene, 2-	SNL0093629	LWDS-05-BH14	45	23-MAR-94	8270	330	U	330	F
Methylnaphthalene, 2-	SNL0093523	LWDS-05-BH11	47.5	20-MAR-94	8270	330	U	330	F
Methylnaphthalene, 2-	SNL0093531	LWDS-05-BH11	50	20-MAR-94	8270	330	U	330	F
Methylnaphthalene, 2-	SNL0093440	LWDS-05-BH12	50	21-MAR-94	8270	330	U	330	F
Methylnaphthalene, 2-	SNL0093350	LWDS-05-BH13	50	22-MAR-94	8270	330	U	330	F
Methylnaphthalene, 2-	SNL0093358	LWDS-05-BH13	50	22-MAR-94	8270	330	U	330	F
Methylnaphthalene, 2-	SNL0093633	LWDS-05-BH14	50	23-MAR-94	8270	330	U	330	F
Methylnaphthalene, 2-	SNL0091269	LWDS-MW1	50	22-AUG-92	8270	330	U	330	D
Methylnaphthalene, 2-	SNL0091267	LWDS-MW1	50	22-AUG-92	8270	330	U	330	F
Methylnaphthalene, 2-	SNL0093539	LWDS-05-BH11	55	20-MAR-94	8270	330	U	330	F
Methylnaphthalene, 2-	SNL0093456	LWDS-05-BH12	55	21-MAR-94	8270	330	U	330	D
Methylnaphthalene, 2-	SNL0093448	LWDS-05-BH12	55	21-MAR-94	8270	330	U	330	F
Methylnaphthalene, 2-	SNL0093366	LWDS-05-BH13	55	22-MAR-94	8270	330	U	330	F
Methylnaphthalene, 2-	SNL0093637	LWDS-05-BH14	55	23-MAR-94	8270	330	U	330	F
Methylnaphthalene, 2-	SNL0093547	LWDS-05-BH11	60	20-MAR-94	8270	330	U	330	F
Methylnaphthalene, 2-	SNL0093645	LWDS-05-BH14	60	23-MAR-94	8270	330	U	330	D
Methylnaphthalene, 2-	SNL0093641	LWDS-05-BH14	60	23-MAR-94	8270	330	U	330	F
Methylnaphthalene, 2-	SNL0091271	LWDS-MW1	60	22-AUG-92	8270	330	U	330	F
Methylnaphthalene, 2-	SNL0093555	LWDS-05-BH11	65	20-MAR-94	8270	330	U	330	F
Methylnaphthalene, 2-	SNL0091278	LWDS-MW1	68	23-AUG-92	8270	330	U	330	F
Methylnaphthalene, 2-	SNL0093563	LWDS-05-BH11	70	20-MAR-94	8270	330	U	330	F
Methylnaphthalene, 2-	SNL0093571	LWDS-05-BH11	70	20-MAR-94	8270	330	U	330	D
Methylnaphthalene, 2-	SNL0091280	LWDS-MW1	80	23-AUG-92	8270	330	U	330	F
Methylnaphthalene, 2-	SNL0091284	LWDS-MW1	89	23-AUG-92	8270	330	U	330	D
Methylnaphthalene, 2-	SNL0091282	LWDS-MW1	89	23-AUG-92	8270	330	U	330	F
Methylnaphthalene, 2-	SNL0091286	LWDS-MW1	102	24-AUG-92	8270	330	U	330	F
Methylnaphthalene, 2-	SNL0091290	LWDS-MW1	110	24-AUG-92	8270	330	U	330	F
Methylnaphthalene, 2-	SNL0091288	LWDS-MW1	110	24-AUG-92	8270	330	U	330	F
Methylnaphthalene, 2-	SNL0091295	LWDS-MW1	120	25-AUG-92	8270	330	U	330	F
Methylnaphthalene, 2-	SNL0091297	LWDS-MW1	130	25-AUG-92	8270	330	U	330	F
Methylnaphthalene, 2-	SNL0091583	LWDS-MW1	143	02-SEP-92	8270	330	U	330	F
Methylnaphthalene, 2-	SNL0091585	LWDS-MW1	150	02-SEP-92	8270	330	U	330	F
Methylnaphthalene, 2-	SNL0092988	LWDS-MW1	176	06-APR-93	8270	330	U	330	F

Table A-5: Organics analyses of soil samples from ER Site 5.

Analyte	Sample Number	Sample Location	Sample Depth (Ft)	Sample Date	Analytical Method	Amount Detected (ug/kg)	Qualifier	Method Detection Limit	Sample Type
Methylnaphthalene, 2-	SNL0092998	LWDS-MW1	202	08-APR-93	8270	330	U	330	F
Methylnaphthalene, 2-	SNL0093012	LWDS-MW1	226	13-APR-93	8270	330	U	330	F
Methylnaphthalene, 2-	SNL0093022	LWDS-MW1	250	14-APR-93	8270	330	U	330	F
Methylnaphthalene, 2-	SNL0093034	LWDS-MW1	274	15-APR-93	8270	330	U	330	F
Methylnaphthalene, 2-	SNL0093054	LWDS-MW1	315	17-APR-93	8270	330	U	330	F
Methylnaphthalene, 2-	SNL0093044	LWDS-MW1	346	19-APR-93	8270	330	U	330	D
Methylnaphthalene, 2-	SNL0093066	LWDS-MW1	346	19-APR-93	8270	330	U	330	F
Methylnaphthalene, 2-	SNL0093078	LWDS-MW1	390	21-APR-93	8270	330	U	330	F
Methylnaphthalene, 2-	SNL0093101	LWDS-MW1	444	27-APR-93	8270	330	U	330	F
Methylphenol, 2-	SNL0093720	LWDS-05-BH13	0	29-MAR-94	8270	330	U	330	F
Methylphenol, 2-	SNL0093123	LWDS-MW1	0	30-APR-93	8270	330	U	330	F
Methylphenol, 2-	SNL0093091	LWDS-MW1	0	21-APR-93	8270	330	U	330	F
Methylphenol, 2-	SNL0091259	LWDS-MW1	12	22-AUG-92	8270	330	U	330	F
Methylphenol, 2-	SNL0091261	LWDS-MW1	21	22-AUG-92	8270	330	U	330	F
Methylphenol, 2-	SNL0093474	LWDS-05-BH11	25	20-MAR-94	8270	330	U	330	F
Methylphenol, 2-	SNL0093384	LWDS-05-BH12	25	21-MAR-94	8270	330	U	330	F
Methylphenol, 2-	SNL0093294	LWDS-05-BH13	25	22-MAR-94	8270	330	U	330	F
Methylphenol, 2-	SNL0093676	LWDS-05-BH14	25	23-MAR-94	8270	330	U	330	F
Methylphenol, 2-	SNL0093482	LWDS-05-BH11	30	20-MAR-94	8270	330	U	330	F
Methylphenol, 2-	SNL0093392	LWDS-05-BH12	30	21-MAR-94	8270	330	U	330	F
Methylphenol, 2-	SNL0093302	LWDS-05-BH13	30	22-MAR-94	8270	330	U	330	F
Methylphenol, 2-	SNL0093680	LWDS-05-BH14	30	23-MAR-94	8270	330	U	330	F
Methylphenol, 2-	SNL0091263	LWDS-MW1	30	22-AUG-92	8270	330	U	330	F
Methylphenol, 2-	SNL0093400	LWDS-05-BH12	32.5	21-MAR-94	8270	330	U	330	F
Methylphenol, 2-	SNL0093310	LWDS-05-BH13	32.5	22-MAR-94	8270	330	U	330	F
Methylphenol, 2-	SNL0093684	LWDS-05-BH14	32.5	23-MAR-94	8270	330	U	330	F
Methylphenol, 2-	SNL0093491	LWDS-05-BH11	35	20-MAR-94	8270	330	U	330	F
Methylphenol, 2-	SNL0093408	LWDS-05-BH12	35	21-MAR-94	8270	330	U	330	F
Methylphenol, 2-	SNL0093318	LWDS-05-BH13	35	22-MAR-94	8270	330	U	330	F
Methylphenol, 2-	SNL0093688	LWDS-05-BH14	35	23-MAR-94	8270	330	U	330	F
Methylphenol, 2-	SNL0093589	LWDS-05-BH11	37.5	20-MAR-94	8270	330	U	330	F
Methylphenol, 2-	SNL0093416	LWDS-05-BH12	37.5	21-MAR-94	8270	330	U	330	F
Methylphenol, 2-	SNL0093326	LWDS-05-BH13	37.5	22-MAR-94	8270	330	U	330	F
Methylphenol, 2-	SNL0093692	LWDS-05-BH14	37.5	23-MAR-94	8270	330	U	330	F
Methylphenol, 2-	SNL0091265	LWDS-MW1	39	22-AUG-92	8270	330	U	330	F
Methylphenol, 2-	SNL0093499	LWDS-05-BH11	40	20-MAR-94	8270	330	U	330	F
Methylphenol, 2-	SNL0093424	LWDS-05-BH12	40	21-MAR-94	8270	330	U	330	F
Methylphenol, 2-	SNL0093334	LWDS-05-BH13	40	22-MAR-94	8270	330	U	330	F
Methylphenol, 2-	SNL0093625	LWDS-05-BH14	40	23-MAR-94	8270	330	U	330	F
Methylphenol, 2-	SNL0093507	LWDS-05-BH11	42.5	20-MAR-94	8270	330	U	330	F
Methylphenol, 2-	SNL0093515	LWDS-05-BH11	45	20-MAR-94	8270	330	U	330	F
Methylphenol, 2-	SNL0093432	LWDS-05-BH12	45	21-MAR-94	8270	330	U	330	F
Methylphenol, 2-	SNL0093342	LWDS-05-BH13	45	22-MAR-94	8270	330	U	330	F
Methylphenol, 2-	SNL0093629	LWDS-05-BH14	45	23-MAR-94	8270	330	U	330	F
Methylphenol, 2-	SNL0093523	LWDS-05-BH11	47.5	20-MAR-94	8270	330	U	330	F
Methylphenol, 2-	SNL0093531	LWDS-05-BH11	50	20-MAR-94	8270	330	U	330	F
Methylphenol, 2-	SNL0093440	LWDS-05-BH12	50	21-MAR-94	8270	330	U	330	F
Methylphenol, 2-	SNL0093350	LWDS-05-BH13	50	22-MAR-94	8270	330	U	330	F
Methylphenol, 2-	SNL0093358	LWDS-05-BH13	50	22-MAR-94	8270	330	U	330	F
Methylphenol, 2-	SNL0093633	LWDS-05-BH14	50	23-MAR-94	8270	330	U	330	F
Methylphenol, 2-	SNL0091269	LWDS-MW1	50	22-AUG-92	8270	330	U	330	D
Methylphenol, 2-	SNL0091267	LWDS-MW1	50	22-AUG-92	8270	330	U	330	F
Methylphenol, 2-	SNL0093539	LWDS-05-BH11	55	20-MAR-94	8270	330	U	330	F
Methylphenol, 2-	SNL0093456	LWDS-05-BH12	55	21-MAR-94	8270	330	U	330	D
Methylphenol, 2-	SNL0093448	LWDS-05-BH12	55	21-MAR-94	8270	330	U	330	F
Methylphenol, 2-	SNL0093366	LWDS-05-BH13	55	22-MAR-94	8270	330	U	330	F
Methylphenol, 2-	SNL0093637	LWDS-05-BH14	55	23-MAR-94	8270	330	U	330	F
Methylphenol, 2-	SNL0093547	LWDS-05-BH11	60	20-MAR-94	8270	330	U	330	F
Methylphenol, 2-	SNL0093641	LWDS-05-BH14	60	23-MAR-94	8270	330	U	330	F
Methylphenol, 2-	SNL0093645	LWDS-05-BH14	60	23-MAR-94	8270	330	U	330	D
Methylphenol, 2-	SNL0091271	LWDS-MW1	60	22-AUG-92	8270	330	U	330	F
Methylphenol, 2-	SNL0093555	LWDS-05-BH11	65	20-MAR-94	8270	330	U	330	F
Methylphenol, 2-	SNL0091278	LWDS-MW1	68	23-AUG-92	8270	330	U	330	F
Methylphenol, 2-	SNL0093571	LWDS-05-BH11	70	20-MAR-94	8270	330	U	330	D
Methylphenol, 2-	SNL0093563	LWDS-05-BH11	70	20-MAR-94	8270	330	U	330	F
Methylphenol, 2-	SNL0091280	LWDS-MW1	80	23-AUG-92	8270	330	U	330	F
Methylphenol, 2-	SNL0091284	LWDS-MW1	89	23-AUG-92	8270	330	U	330	D

Table A-5: Organics analyses of soil samples from ER Site 5.

Analyte	Sample Number	Sample Location	Sample Depth (Ft)	Sample Date	Analytical Method	Amount Detected (ug/kg)	Qualifier	Method Detection Limit	Sample Type
Methylphenol, 2-	SNL0091282	LWDS-MW1	89	23-AUG-92	8270	330	U	330	F
Methylphenol, 2-	SNL0091286	LWDS-MW1	102	24-AUG-92	8270	330	U	330	F
Methylphenol, 2-	SNL0091290	LWDS-MW1	110	24-AUG-92	8270	330	U	330	F
Methylphenol, 2-	SNL0091288	LWDS-MW1	110	24-AUG-92	8270	330	U	330	F
Methylphenol, 2-	SNL0091295	LWDS-MW1	120	25-AUG-92	8270	330	U	330	F
Methylphenol, 2-	SNL0091297	LWDS-MW1	130	25-AUG-92	8270	330	U	330	F
Methylphenol, 2-	SNL0091583	LWDS-MW1	143	02-SEP-92	8270	330	U	330	F
Methylphenol, 2-	SNL0091585	LWDS-MW1	150	02-SEP-92	8270	330	U	330	F
Methylphenol, 2-	SNL0092988	LWDS-MW1	176	06-APR-93	8270	330	U	330	F
Methylphenol, 2-	SNL0092998	LWDS-MW1	202	08-APR-93	8270	330	U	330	F
Methylphenol, 2-	SNL0093012	LWDS-MW1	226	13-APR-93	8270	330	U	330	F
Methylphenol, 2-	SNL0093022	LWDS-MW1	250	14-APR-93	8270	330	U	330	F
Methylphenol, 2-	SNL0093034	LWDS-MW1	274	15-APR-93	8270	330	U	330	F
Methylphenol, 2-	SNL0093054	LWDS-MW1	315	17-APR-93	8270	330	U	330	F
Methylphenol, 2-	SNL0093066	LWDS-MW1	346	19-APR-93	8270	330	U	330	F
Methylphenol, 2-	SNL0093044	LWDS-MW1	346	19-APR-93	8270	330	U	330	D
Methylphenol, 2-	SNL0093078	LWDS-MW1	390	21-APR-93	8270	330	U	330	F
Methylphenol, 2-	SNL0093101	LWDS-MW1	444	27-APR-93	8270	330	U	330	F
Methylphenol, 4-	SNL0093720	LWDS-05-BH13	0	29-MAR-94	8270	330	U	330	F
Methylphenol, 4-	SNL0093123	LWDS-MW1	0	30-APR-93	8270	330	U	330	F
Methylphenol, 4-	SNL0093091	LWDS-MW1	0	21-APR-93	8270	330	U	330	F
Methylphenol, 4-	SNL0091259	LWDS-MW1	12	22-AUG-92	8270	330	U	330	F
Methylphenol, 4-	SNL0091261	LWDS-MW1	21	22-AUG-92	8270	330	U	330	F
Methylphenol, 4-	SNL0093474	LWDS-05-BH11	25	20-MAR-94	8270	330	U	330	F
Methylphenol, 4-	SNL0093384	LWDS-05-BH12	25	21-MAR-94	8270	330	U	330	F
Methylphenol, 4-	SNL0093294	LWDS-05-BH13	25	22-MAR-94	8270	330	U	330	F
Methylphenol, 4-	SNL0093676	LWDS-05-BH14	25	23-MAR-94	8270	330	U	330	F
Methylphenol, 4-	SNL0093482	LWDS-05-BH11	30	20-MAR-94	8270	330	U	330	F
Methylphenol, 4-	SNL0093392	LWDS-05-BH12	30	21-MAR-94	8270	330	U	330	F
Methylphenol, 4-	SNL0093302	LWDS-05-BH13	30	22-MAR-94	8270	330	U	330	F
Methylphenol, 4-	SNL0093680	LWDS-05-BH14	30	23-MAR-94	8270	330	U	330	F
Methylphenol, 4-	SNL0091263	LWDS-MW1	30	22-AUG-92	8270	330	U	330	F
Methylphenol, 4-	SNL0093400	LWDS-05-BH12	32.5	21-MAR-94	8270	330	U	330	F
Methylphenol, 4-	SNL0093310	LWDS-05-BH13	32.5	22-MAR-94	8270	330	U	330	F
Methylphenol, 4-	SNL0093684	LWDS-05-BH14	32.5	23-MAR-94	8270	330	U	330	F
Methylphenol, 4-	SNL0093491	LWDS-05-BH11	35	20-MAR-94	8270	330	U	330	F
Methylphenol, 4-	SNL0093408	LWDS-05-BH12	35	21-MAR-94	8270	330	U	330	F
Methylphenol, 4-	SNL0093318	LWDS-05-BH13	35	22-MAR-94	8270	330	U	330	F
Methylphenol, 4-	SNL0093688	LWDS-05-BH14	35	23-MAR-94	8270	330	U	330	F
Methylphenol, 4-	SNL0093589	LWDS-05-BH11	37.5	20-MAR-94	8270	330	U	330	F
Methylphenol, 4-	SNL0093416	LWDS-05-BH12	37.5	21-MAR-94	8270	330	U	330	F
Methylphenol, 4-	SNL0093326	LWDS-05-BH13	37.5	22-MAR-94	8270	330	U	330	F
Methylphenol, 4-	SNL0093692	LWDS-05-BH14	37.5	23-MAR-94	8270	330	U	330	F
Methylphenol, 4-	SNL0091265	LWDS-MW1	39	22-AUG-92	8270	330	U	330	F
Methylphenol, 4-	SNL0093499	LWDS-05-BH11	40	20-MAR-94	8270	330	U	330	F
Methylphenol, 4-	SNL0093424	LWDS-05-BH12	40	21-MAR-94	8270	330	U	330	F
Methylphenol, 4-	SNL0093334	LWDS-05-BH13	40	22-MAR-94	8270	330	U	330	F
Methylphenol, 4-	SNL0093625	LWDS-05-BH14	40	23-MAR-94	8270	330	U	330	F
Methylphenol, 4-	SNL0093507	LWDS-05-BH11	42.5	20-MAR-94	8270	330	U	330	F
Methylphenol, 4-	SNL0093515	LWDS-05-BH11	45	20-MAR-94	8270	330	U	330	F
Methylphenol, 4-	SNL0093432	LWDS-05-BH12	45	21-MAR-94	8270	330	U	330	F
Methylphenol, 4-	SNL0093342	LWDS-05-BH13	45	22-MAR-94	8270	330	U	330	F
Methylphenol, 4-	SNL0093629	LWDS-05-BH14	45	23-MAR-94	8270	330	U	330	F
Methylphenol, 4-	SNL0093523	LWDS-05-BH11	47.5	20-MAR-94	8270	330	U	330	F
Methylphenol, 4-	SNL0093531	LWDS-05-BH11	50	20-MAR-94	8270	330	U	330	F
Methylphenol, 4-	SNL0093440	LWDS-05-BH12	50	21-MAR-94	8270	330	U	330	F
Methylphenol, 4-	SNL0093350	LWDS-05-BH13	50	22-MAR-94	8270	330	U	330	F
Methylphenol, 4-	SNL0093358	LWDS-05-BH13	50	22-MAR-94	8270	330	U	330	F
Methylphenol, 4-	SNL0093633	LWDS-05-BH14	50	23-MAR-94	8270	330	U	330	F
Methylphenol, 4-	SNL0091269	LWDS-MW1	50	22-AUG-92	8270	330	U	330	D
Methylphenol, 4-	SNL0091267	LWDS-MW1	50	22-AUG-92	8270	330	U	330	F
Methylphenol, 4-	SNL0093539	LWDS-05-BH11	55	20-MAR-94	8270	330	U	330	F
Methylphenol, 4-	SNL0093456	LWDS-05-BH12	55	21-MAR-94	8270	330	U	330	D
Methylphenol, 4-	SNL0093448	LWDS-05-BH12	55	21-MAR-94	8270	330	U	330	F
Methylphenol, 4-	SNL0093366	LWDS-05-BH13	55	22-MAR-94	8270	330	U	330	F
Methylphenol, 4-	SNL0093637	LWDS-05-BH14	55	23-MAR-94	8270	330	U	330	F
Methylphenol, 4-	SNL0093547	LWDS-05-BH11	60	20-MAR-94	8270	330	U	330	F

Table A-5: Organics analyses of soil samples from ER Site 5.

Analyte	Sample Number	Sample Location	Sample Depth (Ft)	Sample Date	Analytical Method	Amount Detected (ug/kg)	Qualifier	Method Detection Limit	Sample Type
Methylphenol, 4-	SNL0093645	LWDS-05-BH14	60	23-MAR-94	8270	330	U	330	D
Methylphenol, 4-	SNL0093641	LWDS-05-BH14	60	23-MAR-94	8270	330	U	330	F
Methylphenol, 4-	SNL0091271	LWDS-MW1	60	22-AUG-92	8270	330	U	330	F
Methylphenol, 4-	SNL0093555	LWDS-05-BH11	65	20-MAR-94	8270	330	U	330	F
Methylphenol, 4-	SNL0091278	LWDS-MW1	68	23-AUG-92	8270	330	U	330	F
Methylphenol, 4-	SNL0093571	LWDS-05-BH11	70	20-MAR-94	8270	330	U	330	D
Methylphenol, 4-	SNL0093563	LWDS-05-BH11	70	20-MAR-94	8270	330	U	330	F
Methylphenol, 4-	SNL0091280	LWDS-MW1	80	23-AUG-92	8270	330	U	330	F
Methylphenol, 4-	SNL0091284	LWDS-MW1	89	23-AUG-92	8270	330	U	330	D
Methylphenol, 4-	SNL0091282	LWDS-MW1	89	23-AUG-92	8270	330	U	330	F
Methylphenol, 4-	SNL0091286	LWDS-MW1	102	24-AUG-92	8270	330	U	330	F
Methylphenol, 4-	SNL0091288	LWDS-MW1	110	24-AUG-92	8270	330	U	330	F
Methylphenol, 4-	SNL0091290	LWDS-MW1	110	24-AUG-92	8270	330	U	330	F
Methylphenol, 4-	SNL0091295	LWDS-MW1	120	25-AUG-92	8270	330	U	330	F
Methylphenol, 4-	SNL0091297	LWDS-MW1	130	25-AUG-92	8270	330	U	330	F
Methylphenol, 4-	SNL0091583	LWDS-MW1	143	02-SEP-92	8270	330	U	330	F
Methylphenol, 4-	SNL0091585	LWDS-MW1	150	02-SEP-92	8270	330	U	330	F
Methylphenol, 4-	SNL0092988	LWDS-MW1	176	06-APR-93	8270	330	U	330	F
Methylphenol, 4-	SNL0092998	LWDS-MW1	202	08-APR-93	8270	330	U	330	F
Methylphenol, 4-	SNL0093012	LWDS-MW1	226	13-APR-93	8270	330	U	330	F
Methylphenol, 4-	SNL0093022	LWDS-MW1	250	14-APR-93	8270	330	U	330	F
Methylphenol, 4-	SNL0093034	LWDS-MW1	274	15-APR-93	8270	330	U	330	F
Methylphenol, 4-	SNL0093054	LWDS-MW1	315	17-APR-93	8270	330	U	330	F
Methylphenol, 4-	SNL0093066	LWDS-MW1	346	19-APR-93	8270	330	U	330	F
Methylphenol, 4-	SNL0093044	LWDS-MW1	346	19-APR-93	8270	330	U	330	D
Methylphenol, 4-	SNL0093078	LWDS-MW1	390	21-APR-93	8270	330	U	330	F
Methylphenol, 4-	SNL0093101	LWDS-MW1	444	27-APR-93	8270	330	U	330	F
Naphthalene	SNL0093720	LWDS-05-BH13	0	29-MAR-94	8270	330	U	330	F
Naphthalene	SNL0093091	LWDS-MW1	0	21-APR-93	8270	330	U	330	F
Naphthalene	SNL0093123	LWDS-MW1	0	30-APR-93	8270	330	U	330	F
Naphthalene	SNL0091259	LWDS-MW1	12	22-AUG-92	8270	330	U	330	F
Naphthalene	SNL0091261	LWDS-MW1	21	22-AUG-92	8270	330	U	330	F
Naphthalene	SNL0093474	LWDS-05-BH11	25	20-MAR-94	8270	330	U	330	F
Naphthalene	SNL0093384	LWDS-05-BH12	25	21-MAR-94	8270	330	U	330	F
Naphthalene	SNL0093294	LWDS-05-BH13	25	22-MAR-94	8270	330	U	330	F
Naphthalene	SNL0093676	LWDS-05-BH14	25	23-MAR-94	8270	330	U	330	F
Naphthalene	SNL0093482	LWDS-05-BH11	30	20-MAR-94	8270	330	U	330	F
Naphthalene	SNL0093392	LWDS-05-BH12	30	21-MAR-94	8270	330	U	330	F
Naphthalene	SNL0093302	LWDS-05-BH13	30	22-MAR-94	8270	330	U	330	F
Naphthalene	SNL0093680	LWDS-05-BH14	30	23-MAR-94	8270	330	U	330	F
Naphthalene	SNL0091263	LWDS-MW1	30	22-AUG-92	8270	330	U	330	F
Naphthalene	SNL0093400	LWDS-05-BH12	32.5	21-MAR-94	8270	330	U	330	F
Naphthalene	SNL0093310	LWDS-05-BH13	32.5	22-MAR-94	8270	330	U	330	F
Naphthalene	SNL0093684	LWDS-05-BH14	32.5	23-MAR-94	8270	330	U	330	F
Naphthalene	SNL0093491	LWDS-05-BH11	35	20-MAR-94	8270	330	U	330	F
Naphthalene	SNL0093408	LWDS-05-BH12	35	21-MAR-94	8270	330	U	330	F
Naphthalene	SNL0093318	LWDS-05-BH13	35	22-MAR-94	8270	330	U	330	F
Naphthalene	SNL0093688	LWDS-05-BH14	35	23-MAR-94	8270	330	U	330	F
Naphthalene	SNL0093589	LWDS-05-BH11	37.5	20-MAR-94	8270	330	U	330	F
Naphthalene	SNL0093416	LWDS-05-BH12	37.5	21-MAR-94	8270	330	U	330	F
Naphthalene	SNL0093326	LWDS-05-BH13	37.5	22-MAR-94	8270	330	U	330	F
Naphthalene	SNL0093692	LWDS-05-BH14	37.5	23-MAR-94	8270	330	U	330	F
Naphthalene	SNL0091265	LWDS-MW1	39	22-AUG-92	8270	330	U	330	F
Naphthalene	SNL0093499	LWDS-05-BH11	40	20-MAR-94	8270	330	U	330	F
Naphthalene	SNL0093424	LWDS-05-BH12	40	21-MAR-94	8270	330	U	330	F
Naphthalene	SNL0093334	LWDS-05-BH13	40	22-MAR-94	8270	330	U	330	F
Naphthalene	SNL0093625	LWDS-05-BH14	40	23-MAR-94	8270	330	U	330	F
Naphthalene	SNL0093507	LWDS-05-BH11	42.5	20-MAR-94	8270	330	U	330	F
Naphthalene	SNL0093515	LWDS-05-BH11	45	20-MAR-94	8270	330	U	330	F
Naphthalene	SNL0093432	LWDS-05-BH12	45	21-MAR-94	8270	330	U	330	F
Naphthalene	SNL0093342	LWDS-05-BH13	45	22-MAR-94	8270	330	U	330	F
Naphthalene	SNL0093629	LWDS-05-BH14	45	23-MAR-94	8270	330	U	330	F
Naphthalene	SNL0093523	LWDS-05-BH11	47.5	20-MAR-94	8270	330	U	330	F
Naphthalene	SNL0093531	LWDS-05-BH11	50	20-MAR-94	8270	330	U	330	F
Naphthalene	SNL0093440	LWDS-05-BH12	50	21-MAR-94	8270	330	U	330	F
Naphthalene	SNL0093350	LWDS-05-BH13	50	22-MAR-94	8270	330	U	330	F
Naphthalene	SNL0093358	LWDS-05-BH13	50	22-MAR-94	8270	330	U	330	F

Table A-5: Organics analyses of soil samples from ER Site 5.

Analyte	Sample Number	Sample Location	Sample Depth (Ft)	Sample Date	Analytical Method	Amount Detected (ug/kg)	Qualifier	Method Detection Limit	Sample Type
Naphthalene	SNL0093633	LWDS-05-BH14	50	23-MAR-94	8270	330	U	330	F
Naphthalene	SNL0091269	LWDS-MW1	50	22-AUG-92	8270	330	U	330	D
Naphthalene	SNL0091267	LWDS-MW1	50	22-AUG-92	8270	330	U	330	F
Naphthalene	SNL0093539	LWDS-05-BH11	55	20-MAR-94	8270	330	U	330	F
Naphthalene	SNL0093456	LWDS-05-BH12	55	21-MAR-94	8270	330	U	330	D
Naphthalene	SNL0093448	LWDS-05-BH12	55	21-MAR-94	8270	330	U	330	F
Naphthalene	SNL0093366	LWDS-05-BH13	55	22-MAR-94	8270	330	U	330	F
Naphthalene	SNL0093637	LWDS-05-BH14	55	23-MAR-94	8270	330	U	330	F
Naphthalene	SNL0093547	LWDS-05-BH11	60	20-MAR-94	8270	330	U	330	F
Naphthalene	SNL0093645	LWDS-05-BH14	60	23-MAR-94	8270	330	U	330	D
Naphthalene	SNL0093641	LWDS-05-BH14	60	23-MAR-94	8270	330	U	330	F
Naphthalene	SNL0091271	LWDS-MW1	60	22-AUG-92	8270	330	U	330	F
Naphthalene	SNL0093555	LWDS-05-BH11	65	20-MAR-94	8270	330	U	330	F
Naphthalene	SNL0091278	LWDS-MW1	68	23-AUG-92	8270	330	U	330	F
Naphthalene	SNL0093563	LWDS-05-BH11	70	20-MAR-94	8270	330	U	330	F
Naphthalene	SNL0093571	LWDS-05-BH11	70	20-MAR-94	8270	330	U	330	D
Naphthalene	SNL0091280	LWDS-MW1	80	23-AUG-92	8270	330	U	330	F
Naphthalene	SNL0091284	LWDS-MW1	89	23-AUG-92	8270	330	U	330	D
Naphthalene	SNL0091282	LWDS-MW1	89	23-AUG-92	8270	330	U	330	F
Naphthalene	SNL0091286	LWDS-MW1	102	24-AUG-92	8270	330	U	330	F
Naphthalene	SNL0091290	LWDS-MW1	110	24-AUG-92	8270	330	U	330	F
Naphthalene	SNL0091288	LWDS-MW1	110	24-AUG-92	8270	330	U	330	F
Naphthalene	SNL0091295	LWDS-MW1	120	25-AUG-92	8270	330	U	330	F
Naphthalene	SNL0091297	LWDS-MW1	130	25-AUG-92	8270	330	U	330	F
Naphthalene	SNL0091583	LWDS-MW1	143	02-SEP-92	8270	330	U	330	F
Naphthalene	SNL0091585	LWDS-MW1	150	02-SEP-92	8270	330	U	330	F
Naphthalene	SNL0092988	LWDS-MW1	176	06-APR-93	8270	330	U	330	F
Naphthalene	SNL0092998	LWDS-MW1	202	08-APR-93	8270	330	U	330	F
Naphthalene	SNL0093012	LWDS-MW1	226	13-APR-93	8270	330	U	330	F
Naphthalene	SNL0093022	LWDS-MW1	250	14-APR-93	8270	330	U	330	F
Naphthalene	SNL0093034	LWDS-MW1	274	15-APR-93	8270	330	U	330	F
Naphthalene	SNL0093054	LWDS-MW1	315	17-APR-93	8270	330	U	330	F
Naphthalene	SNL0093066	LWDS-MW1	346	19-APR-93	8270	330	U	330	F
Naphthalene	SNL0093044	LWDS-MW1	346	19-APR-93	8270	330	U	330	D
Naphthalene	SNL0093078	LWDS-MW1	390	21-APR-93	8270	330	U	330	F
Naphthalene	SNL0093101	LWDS-MW1	444	27-APR-93	8270	330	U	330	F
Nitro-benzene	SNL0093720	LWDS-05-BH13	0	29-MAR-94	8270	330	U	330	F
Nitro-benzene	SNL0093123	LWDS-MW1	0	30-APR-93	8270	330	U	330	F
Nitro-benzene	SNL0093091	LWDS-MW1	0	21-APR-93	8270	330	U	330	F
Nitro-benzene	SNL0091259	LWDS-MW1	12	22-AUG-92	8270	330	U	330	F
Nitro-benzene	SNL0091261	LWDS-MW1	21	22-AUG-92	8270	330	U	330	F
Nitro-benzene	SNL0093474	LWDS-05-BH11	25	20-MAR-94	8270	330	U	330	F
Nitro-benzene	SNL0093384	LWDS-05-BH12	25	21-MAR-94	8270	330	U	330	F
Nitro-benzene	SNL0093294	LWDS-05-BH13	25	22-MAR-94	8270	330	U	330	F
Nitro-benzene	SNL0093676	LWDS-05-BH14	25	23-MAR-94	8270	330	U	330	F
Nitro-benzene	SNL0093482	LWDS-05-BH11	30	20-MAR-94	8270	330	U	330	F
Nitro-benzene	SNL0093392	LWDS-05-BH12	30	21-MAR-94	8270	330	U	330	F
Nitro-benzene	SNL0093302	LWDS-05-BH13	30	22-MAR-94	8270	330	U	330	F
Nitro-benzene	SNL0093680	LWDS-05-BH14	30	23-MAR-94	8270	330	U	330	F
Nitro-benzene	SNL0091263	LWDS-MW1	30	22-AUG-92	8270	330	U	330	F
Nitro-benzene	SNL0093400	LWDS-05-BH12	32.5	21-MAR-94	8270	330	U	330	F
Nitro-benzene	SNL0093310	LWDS-05-BH13	32.5	22-MAR-94	8270	330	U	330	F
Nitro-benzene	SNL0093684	LWDS-05-BH14	32.5	23-MAR-94	8270	330	U	330	F
Nitro-benzene	SNL0093491	LWDS-05-BH11	35	20-MAR-94	8270	330	U	330	F
Nitro-benzene	SNL0093408	LWDS-05-BH12	35	21-MAR-94	8270	330	U	330	F
Nitro-benzene	SNL0093318	LWDS-05-BH13	35	22-MAR-94	8270	330	U	330	F
Nitro-benzene	SNL0093688	LWDS-05-BH14	35	23-MAR-94	8270	330	U	330	F
Nitro-benzene	SNL0093589	LWDS-05-BH11	37.5	20-MAR-94	8270	330	U	330	F
Nitro-benzene	SNL0093416	LWDS-05-BH12	37.5	21-MAR-94	8270	330	U	330	F
Nitro-benzene	SNL0093326	LWDS-05-BH13	37.5	22-MAR-94	8270	330	U	330	F
Nitro-benzene	SNL0093692	LWDS-05-BH14	37.5	23-MAR-94	8270	330	U	330	F
Nitro-benzene	SNL0091265	LWDS-MW1	39	22-AUG-92	8270	330	U	330	F
Nitro-benzene	SNL0093499	LWDS-05-BH11	40	20-MAR-94	8270	330	U	330	F
Nitro-benzene	SNL0093424	LWDS-05-BH12	40	21-MAR-94	8270	330	U	330	F
Nitro-benzene	SNL0093334	LWDS-05-BH13	40	22-MAR-94	8270	330	U	330	F
Nitro-benzene	SNL0093625	LWDS-05-BH14	40	23-MAR-94	8270	330	U	330	F
Nitro-benzene	SNL0093507	LWDS-05-BH11	42.5	20-MAR-94	8270	330	U	330	F

Table A-5: Organics analyses of soil samples from ER Site 5.

Analyte	Sample Number	Sample Location	Sample Depth (Ft)	Sample Date	Analytical Method	Amount Detected (ug/kg)	Qualifier	Method Detection Limit	Sample Type
Nitro-benzene	SNL0093515	LWDS-05-BH11	45	20-MAR-94	8270	330	U	330	F
Nitro-benzene	SNL0093432	LWDS-05-BH12	45	21-MAR-94	8270	330	U	330	F
Nitro-benzene	SNL0093342	LWDS-05-BH13	45	22-MAR-94	8270	330	U	330	F
Nitro-benzene	SNL0093629	LWDS-05-BH14	45	23-MAR-94	8270	330	U	330	F
Nitro-benzene	SNL0093523	LWDS-05-BH11	47.5	20-MAR-94	8270	330	U	330	F
Nitro-benzene	SNL0093531	LWDS-05-BH11	50	20-MAR-94	8270	330	U	330	F
Nitro-benzene	SNL0093440	LWDS-05-BH12	50	21-MAR-94	8270	330	U	330	F
Nitro-benzene	SNL0093350	LWDS-05-BH13	50	22-MAR-94	8270	330	U	330	F
Nitro-benzene	SNL0093358	LWDS-05-BH13	50	22-MAR-94	8270	330	U	330	F
Nitro-benzene	SNL0093633	LWDS-05-BH14	50	23-MAR-94	8270	330	U	330	F
Nitro-benzene	SNL0091269	LWDS-MW1	50	22-AUG-92	8270	330	U	330	D
Nitro-benzene	SNL0091267	LWDS-MW1	50	22-AUG-92	8270	330	U	330	F
Nitro-benzene	SNL0093539	LWDS-05-BH11	55	20-MAR-94	8270	330	U	330	F
Nitro-benzene	SNL0093456	LWDS-05-BH12	55	21-MAR-94	8270	330	U	330	D
Nitro-benzene	SNL0093448	LWDS-05-BH12	55	21-MAR-94	8270	330	U	330	F
Nitro-benzene	SNL0093366	LWDS-05-BH13	55	22-MAR-94	8270	330	U	330	F
Nitro-benzene	SNL0093637	LWDS-05-BH14	55	23-MAR-94	8270	330	U	330	F
Nitro-benzene	SNL0093547	LWDS-05-BH11	60	20-MAR-94	8270	330	U	330	F
Nitro-benzene	SNL0093645	LWDS-05-BH14	60	23-MAR-94	8270	330	U	330	D
Nitro-benzene	SNL0093641	LWDS-05-BH14	60	23-MAR-94	8270	330	U	330	F
Nitro-benzene	SNL0091271	LWDS-MW1	60	22-AUG-92	8270	330	U	330	F
Nitro-benzene	SNL0093555	LWDS-05-BH11	65	20-MAR-94	8270	330	U	330	F
Nitro-benzene	SNL0091278	LWDS-MW1	68	23-AUG-92	8270	330	U	330	F
Nitro-benzene	SNL0093571	LWDS-05-BH11	70	20-MAR-94	8270	330	U	330	D
Nitro-benzene	SNL0093563	LWDS-05-BH11	70	20-MAR-94	8270	330	U	330	F
Nitro-benzene	SNL0091280	LWDS-MW1	80	23-AUG-92	8270	330	U	330	F
Nitro-benzene	SNL0091284	LWDS-MW1	89	23-AUG-92	8270	330	U	330	D
Nitro-benzene	SNL0091282	LWDS-MW1	89	23-AUG-92	8270	330	U	330	F
Nitro-benzene	SNL0091286	LWDS-MW1	102	24-AUG-92	8270	330	U	330	F
Nitro-benzene	SNL0091288	LWDS-MW1	110	24-AUG-92	8270	330	U	330	F
Nitro-benzene	SNL0091290	LWDS-MW1	110	24-AUG-92	8270	330	U	330	F
Nitro-benzene	SNL0091295	LWDS-MW1	120	25-AUG-92	8270	330	U	330	F
Nitro-benzene	SNL0091297	LWDS-MW1	130	25-AUG-92	8270	330	U	330	F
Nitro-benzene	SNL0091583	LWDS-MW1	143	02-SEP-92	8270	330	U	330	F
Nitro-benzene	SNL0091585	LWDS-MW1	150	02-SEP-92	8270	330	U	330	F
Nitro-benzene	SNL0092988	LWDS-MW1	176	06-APR-93	8270	330	U	330	F
Nitro-benzene	SNL0092998	LWDS-MW1	202	08-APR-93	8270	330	U	330	F
Nitro-benzene	SNL0093012	LWDS-MW1	226	13-APR-93	8270	330	U	330	F
Nitro-benzene	SNL0093022	LWDS-MW1	250	14-APR-93	8270	330	U	330	F
Nitro-benzene	SNL0093034	LWDS-MW1	274	15-APR-93	8270	330	U	330	F
Nitro-benzene	SNL0093054	LWDS-MW1	315	17-APR-93	8270	330	U	330	F
Nitro-benzene	SNL0093066	LWDS-MW1	346	19-APR-93	8270	330	U	330	F
Nitro-benzene	SNL0093044	LWDS-MW1	346	19-APR-93	8270	330	U	330	D
Nitro-benzene	SNL0093078	LWDS-MW1	390	21-APR-93	8270	330	U	330	F
Nitro-benzene	SNL0093101	LWDS-MW1	444	27-APR-93	8270	330	U	330	F
Nitroaniline, 2-	SNL0093720	LWDS-05-BH13	0	29-MAR-94	8270	1600	U	1600	F
Nitroaniline, 2-	SNL0093123	LWDS-MW1	0	30-APR-93	8270	1600	U	1600	F
Nitroaniline, 2-	SNL0093091	LWDS-MW1	0	21-APR-93	8270	1600	U	1600	F
Nitroaniline, 2-	SNL0091259	LWDS-MW1	12	22-AUG-92	8270	1600	U	1600	F
Nitroaniline, 2-	SNL0091261	LWDS-MW1	21	22-AUG-92	8270	1600	U	1600	F
Nitroaniline, 2-	SNL0093474	LWDS-05-BH11	25	20-MAR-94	8270	1600	U	1600	F
Nitroaniline, 2-	SNL0093384	LWDS-05-BH12	25	21-MAR-94	8270	1600	U	1600	F
Nitroaniline, 2-	SNL0093294	LWDS-05-BH13	25	22-MAR-94	8270	1600	U	1600	F
Nitroaniline, 2-	SNL0093676	LWDS-05-BH14	25	23-MAR-94	8270	1600	U	1600	F
Nitroaniline, 2-	SNL0093482	LWDS-05-BH11	30	20-MAR-94	8270	1600	U	1600	F
Nitroaniline, 2-	SNL0093392	LWDS-05-BH12	30	21-MAR-94	8270	1600	U	1600	F
Nitroaniline, 2-	SNL0093302	LWDS-05-BH13	30	22-MAR-94	8270	1600	U	1600	F
Nitroaniline, 2-	SNL0093680	LWDS-05-BH14	30	23-MAR-94	8270	1600	U	1600	F
Nitroaniline, 2-	SNL0091263	LWDS-MW1	30	22-AUG-92	8270	1600	U	1600	F
Nitroaniline, 2-	SNL0093400	LWDS-05-BH12	32.5	21-MAR-94	8270	1600	U	1600	F
Nitroaniline, 2-	SNL0093310	LWDS-05-BH13	32.5	22-MAR-94	8270	1600	U	1600	F
Nitroaniline, 2-	SNL0093684	LWDS-05-BH14	32.5	23-MAR-94	8270	1600	U	1600	F
Nitroaniline, 2-	SNL0093491	LWDS-05-BH11	35	20-MAR-94	8270	1600	U	1600	F
Nitroaniline, 2-	SNL0093408	LWDS-05-BH12	35	21-MAR-94	8270	1600	U	1600	F
Nitroaniline, 2-	SNL0093318	LWDS-05-BH13	35	22-MAR-94	8270	1600	U	1600	F
Nitroaniline, 2-	SNL0093688	LWDS-05-BH14	35	23-MAR-94	8270	1600	U	1600	F
Nitroaniline, 2-	SNL0093589	LWDS-05-BH11	37.5	20-MAR-94	8270	1600	U	1600	F

Table A-5: Organics analyses of soil samples from ER Site 5.

Analyte	Sample Number	Sample Location	Sample Depth (Ft)	Sample Date	Analytical Method	Amount Detected (ug/kg)	Qualifier	Method Detection Limit	Sample Type
Nitroaniline, 2-	SNL0093416	LWDS-05-BH12	37.5	21-MAR-94	8270	1600	U	1600	F
Nitroaniline, 2-	SNL0093326	LWDS-05-BH13	37.5	22-MAR-94	8270	1600	U	1600	F
Nitroaniline, 2-	SNL0093692	LWDS-05-BH14	37.5	23-MAR-94	8270	1600	U	1600	F
Nitroaniline, 2-	SNL0091265	LWDS-MW1	39	22-AUG-92	8270	1600	U	1600	F
Nitroaniline, 2-	SNL0093499	LWDS-05-BH11	40	20-MAR-94	8270	1600	U	1600	F
Nitroaniline, 2-	SNL0093424	LWDS-05-BH12	40	21-MAR-94	8270	1600	U	1600	F
Nitroaniline, 2-	SNL0093334	LWDS-05-BH13	40	22-MAR-94	8270	1600	U	1600	F
Nitroaniline, 2-	SNL0093625	LWDS-05-BH14	40	23-MAR-94	8270	1600	U	1600	F
Nitroaniline, 2-	SNL0093507	LWDS-05-BH11	42.5	20-MAR-94	8270	1600	U	1600	F
Nitroaniline, 2-	SNL0093515	LWDS-05-BH11	45	20-MAR-94	8270	1600	U	1600	F
Nitroaniline, 2-	SNL0093432	LWDS-05-BH12	45	21-MAR-94	8270	1600	U	1600	F
Nitroaniline, 2-	SNL0093342	LWDS-05-BH13	45	22-MAR-94	8270	1600	U	1600	F
Nitroaniline, 2-	SNL0093629	LWDS-05-BH14	45	23-MAR-94	8270	1600	U	1600	F
Nitroaniline, 2-	SNL0093523	LWDS-05-BH11	47.5	20-MAR-94	8270	1600	U	1600	F
Nitroaniline, 2-	SNL0093531	LWDS-05-BH11	50	20-MAR-94	8270	1600	U	1600	F
Nitroaniline, 2-	SNL0093440	LWDS-05-BH12	50	21-MAR-94	8270	1600	U	1600	F
Nitroaniline, 2-	SNL0093350	LWDS-05-BH13	50	22-MAR-94	8270	1600	U	1600	F
Nitroaniline, 2-	SNL0093358	LWDS-05-BH13	50	22-MAR-94	8270	1600	U	1600	F
Nitroaniline, 2-	SNL0093633	LWDS-05-BH14	50	23-MAR-94	8270	1600	U	1600	F
Nitroaniline, 2-	SNL0091269	LWDS-MW1	50	22-AUG-92	8270	1600	U	1600	D
Nitroaniline, 2-	SNL0091267	LWDS-MW1	50	22-AUG-92	8270	1600	U	1600	F
Nitroaniline, 2-	SNL0093539	LWDS-05-BH11	55	20-MAR-94	8270	1600	U	1600	F
Nitroaniline, 2-	SNL0093456	LWDS-05-BH12	55	21-MAR-94	8270	1600	U	1600	D
Nitroaniline, 2-	SNL0093448	LWDS-05-BH12	55	21-MAR-94	8270	1600	U	1600	F
Nitroaniline, 2-	SNL0093366	LWDS-05-BH13	55	22-MAR-94	8270	1600	U	1600	F
Nitroaniline, 2-	SNL0093637	LWDS-05-BH14	55	23-MAR-94	8270	1600	U	1600	F
Nitroaniline, 2-	SNL0093547	LWDS-05-BH11	60	20-MAR-94	8270	1600	U	1600	F
Nitroaniline, 2-	SNL0093645	LWDS-05-BH14	60	23-MAR-94	8270	1600	U	1600	D
Nitroaniline, 2-	SNL0093641	LWDS-05-BH14	60	23-MAR-94	8270	1600	U	1600	F
Nitroaniline, 2-	SNL0091271	LWDS-MW1	60	22-AUG-92	8270	1600	U	1600	F
Nitroaniline, 2-	SNL0093555	LWDS-05-BH11	65	20-MAR-94	8270	1600	U	1600	F
Nitroaniline, 2-	SNL0091278	LWDS-MW1	68	23-AUG-92	8270	1600	U	1600	F
Nitroaniline, 2-	SNL0093571	LWDS-05-BH11	70	20-MAR-94	8270	1600	U	1600	D
Nitroaniline, 2-	SNL0093563	LWDS-05-BH11	70	20-MAR-94	8270	1600	U	1600	F
Nitroaniline, 2-	SNL0091280	LWDS-MW1	80	23-AUG-92	8270	1600	U	1600	F
Nitroaniline, 2-	SNL0091284	LWDS-MW1	89	23-AUG-92	8270	1600	U	1600	D
Nitroaniline, 2-	SNL0091282	LWDS-MW1	89	23-AUG-92	8270	1600	U	1600	F
Nitroaniline, 2-	SNL0091286	LWDS-MW1	102	24-AUG-92	8270	1600	U	1600	F
Nitroaniline, 2-	SNL0091288	LWDS-MW1	110	24-AUG-92	8270	1600	U	1600	F
Nitroaniline, 2-	SNL0091290	LWDS-MW1	110	24-AUG-92	8270	1600	U	1600	F
Nitroaniline, 2-	SNL0091295	LWDS-MW1	120	25-AUG-92	8270	1600	U	1600	F
Nitroaniline, 2-	SNL0091297	LWDS-MW1	130	25-AUG-92	8270	1600	U	1600	F
Nitroaniline, 2-	SNL0091583	LWDS-MW1	143	02-SEP-92	8270	1600	U	1600	F
Nitroaniline, 2-	SNL0091585	LWDS-MW1	150	02-SEP-92	8270	1600	U	1600	F
Nitroaniline, 2-	SNL0092988	LWDS-MW1	176	06-APR-93	8270	1600	U	1600	F
Nitroaniline, 2-	SNL0092998	LWDS-MW1	202	08-APR-93	8270	1600	U	1600	F
Nitroaniline, 2-	SNL0093012	LWDS-MW1	226	13-APR-93	8270	1600	U	1600	F
Nitroaniline, 2-	SNL0093022	LWDS-MW1	250	14-APR-93	8270	1600	U	1600	F
Nitroaniline, 2-	SNL0093034	LWDS-MW1	274	15-APR-93	8270	1600	U	1600	F
Nitroaniline, 2-	SNL0093054	LWDS-MW1	315	17-APR-93	8270	1600	U	1600	F
Nitroaniline, 2-	SNL0093066	LWDS-MW1	346	19-APR-93	8270	1600	U	1600	F
Nitroaniline, 2-	SNL0093044	LWDS-MW1	346	19-APR-93	8270	1600	U	1600	D
Nitroaniline, 2-	SNL0093078	LWDS-MW1	390	21-APR-93	8270	1600	U	1600	F
Nitroaniline, 2-	SNL0093101	LWDS-MW1	444	27-APR-93	8270	1600	U	1600	F
Nitroaniline, 3-	SNL0093720	LWDS-05-BH13	0	29-MAR-94	8270	1600	U	1600	F
Nitroaniline, 3-	SNL0093123	LWDS-MW1	0	30-APR-93	8270	1600	U	1600	F
Nitroaniline, 3-	SNL0093091	LWDS-MW1	0	21-APR-93	8270	1600	U	1600	F
Nitroaniline, 3-	SNL0091259	LWDS-MW1	12	22-AUG-92	8270	1600	U	1600	F
Nitroaniline, 3-	SNL0091261	LWDS-MW1	21	22-AUG-92	8270	1600	U	1600	F
Nitroaniline, 3-	SNL0093474	LWDS-05-BH11	25	20-MAR-94	8270	1600	U	1600	F
Nitroaniline, 3-	SNL0093384	LWDS-05-BH12	25	21-MAR-94	8270	1600	U	1600	F
Nitroaniline, 3-	SNL0093294	LWDS-05-BH13	25	22-MAR-94	8270	1600	U	1600	F
Nitroaniline, 3-	SNL0093676	LWDS-05-BH14	25	23-MAR-94	8270	1600	U	1600	F
Nitroaniline, 3-	SNL0093482	LWDS-05-BH11	30	20-MAR-94	8270	1600	U	1600	F
Nitroaniline, 3-	SNL0093392	LWDS-05-BH12	30	21-MAR-94	8270	1600	U	1600	F
Nitroaniline, 3-	SNL0093302	LWDS-05-BH13	30	22-MAR-94	8270	1600	U	1600	F
Nitroaniline, 3-	SNL0093680	LWDS-05-BH14	30	23-MAR-94	8270	1600	U	1600	F

Table A-5: Organics analyses of soil samples from ER Site 5.

Analyte	Sample Number	Sample Location	Sample Depth (Ft)	Sample Date	Analytical Method	Amount Detected (ug/kg)	Qualifier	Method Detection Limit	Sample Type
Nitroaniline, 3-	SNL0091263	LWDS-MW1	30	22-AUG-92	8270	1600	U	1600	F
Nitroaniline, 3-	SNL0093400	LWDS-05-BH12	32.5	21-MAR-94	8270	1600	U	1600	F
Nitroaniline, 3-	SNL0093310	LWDS-05-BH13	32.5	22-MAR-94	8270	1600	U	1600	F
Nitroaniline, 3-	SNL0093684	LWDS-05-BH14	32.5	23-MAR-94	8270	1600	U	1600	F
Nitroaniline, 3-	SNL0093491	LWDS-05-BH11	35	20-MAR-94	8270	1600	U	1600	F
Nitroaniline, 3-	SNL0093408	LWDS-05-BH12	35	21-MAR-94	8270	1600	U	1600	F
Nitroaniline, 3-	SNL0093318	LWDS-05-BH13	35	22-MAR-94	8270	1600	U	1600	F
Nitroaniline, 3-	SNL0093688	LWDS-05-BH14	35	23-MAR-94	8270	1600	U	1600	F
Nitroaniline, 3-	SNL0093589	LWDS-05-BH11	37.5	20-MAR-94	8270	1600	U	1600	F
Nitroaniline, 3-	SNL0093416	LWDS-05-BH12	37.5	21-MAR-94	8270	1600	U	1600	F
Nitroaniline, 3-	SNL0093326	LWDS-05-BH13	37.5	22-MAR-94	8270	1600	U	1600	F
Nitroaniline, 3-	SNL0093692	LWDS-05-BH14	37.5	23-MAR-94	8270	1600	U	1600	F
Nitroaniline, 3-	SNL0091265	LWDS-MW1	39	22-AUG-92	8270	1600	U	1600	F
Nitroaniline, 3-	SNL0093499	LWDS-05-BH11	40	20-MAR-94	8270	1600	U	1600	F
Nitroaniline, 3-	SNL0093424	LWDS-05-BH12	40	21-MAR-94	8270	1600	U	1600	F
Nitroaniline, 3-	SNL0093334	LWDS-05-BH13	40	22-MAR-94	8270	1600	U	1600	F
Nitroaniline, 3-	SNL0093625	LWDS-05-BH14	40	23-MAR-94	8270	1600	U	1600	F
Nitroaniline, 3-	SNL0093507	LWDS-05-BH11	42.5	20-MAR-94	8270	1600	U	1600	F
Nitroaniline, 3-	SNL0093515	LWDS-05-BH11	45	20-MAR-94	8270	1600	U	1600	F
Nitroaniline, 3-	SNL0093432	LWDS-05-BH12	45	21-MAR-94	8270	1600	U	1600	F
Nitroaniline, 3-	SNL0093342	LWDS-05-BH13	45	22-MAR-94	8270	1600	U	1600	F
Nitroaniline, 3-	SNL0093629	LWDS-05-BH14	45	23-MAR-94	8270	1600	U	1600	F
Nitroaniline, 3-	SNL0093523	LWDS-05-BH11	47.5	20-MAR-94	8270	1600	U	1600	F
Nitroaniline, 3-	SNL0093531	LWDS-05-BH11	50	20-MAR-94	8270	1600	U	1600	F
Nitroaniline, 3-	SNL0093440	LWDS-05-BH12	50	21-MAR-94	8270	1600	U	1600	F
Nitroaniline, 3-	SNL0093350	LWDS-05-BH13	50	22-MAR-94	8270	1600	U	1600	F
Nitroaniline, 3-	SNL0093358	LWDS-05-BH13	50	22-MAR-94	8270	1600	U	1600	F
Nitroaniline, 3-	SNL0093633	LWDS-05-BH14	50	23-MAR-94	8270	1600	U	1600	F
Nitroaniline, 3-	SNL0091269	LWDS-MW1	50	22-AUG-92	8270	1600	U	1600	D
Nitroaniline, 3-	SNL0091267	LWDS-MW1	50	22-AUG-92	8270	1600	U	1600	F
Nitroaniline, 3-	SNL0093539	LWDS-05-BH11	55	20-MAR-94	8270	1600	U	1600	F
Nitroaniline, 3-	SNL0093456	LWDS-05-BH12	55	21-MAR-94	8270	1600	U	1600	D
Nitroaniline, 3-	SNL0093448	LWDS-05-BH12	55	21-MAR-94	8270	1600	U	1600	F
Nitroaniline, 3-	SNL0093366	LWDS-05-BH13	55	22-MAR-94	8270	1600	U	1600	F
Nitroaniline, 3-	SNL0093637	LWDS-05-BH14	55	23-MAR-94	8270	1600	U	1600	F
Nitroaniline, 3-	SNL0093547	LWDS-05-BH11	60	20-MAR-94	8270	1600	U	1600	F
Nitroaniline, 3-	SNL0093645	LWDS-05-BH14	60	23-MAR-94	8270	1600	U	1600	D
Nitroaniline, 3-	SNL0093641	LWDS-05-BH14	60	23-MAR-94	8270	1600	U	1600	F
Nitroaniline, 3-	SNL0091271	LWDS-MW1	60	22-AUG-92	8270	1600	U	1600	F
Nitroaniline, 3-	SNL0093555	LWDS-05-BH11	65	20-MAR-94	8270	1600	U	1600	F
Nitroaniline, 3-	SNL0091278	LWDS-MW1	68	23-AUG-92	8270	1600	U	1600	F
Nitroaniline, 3-	SNL0093571	LWDS-05-BH11	70	20-MAR-94	8270	1600	U	1600	D
Nitroaniline, 3-	SNL0093563	LWDS-05-BH11	70	20-MAR-94	8270	1600	U	1600	F
Nitroaniline, 3-	SNL0091280	LWDS-MW1	80	23-AUG-92	8270	1600	U	1600	F
Nitroaniline, 3-	SNL0091284	LWDS-MW1	89	23-AUG-92	8270	1600	U	1600	D
Nitroaniline, 3-	SNL0091282	LWDS-MW1	89	23-AUG-92	8270	1600	U	1600	F
Nitroaniline, 3-	SNL0091286	LWDS-MW1	102	24-AUG-92	8270	1600	U	1600	F
Nitroaniline, 3-	SNL0091288	LWDS-MW1	110	24-AUG-92	8270	1600	U	1600	F
Nitroaniline, 3-	SNL0091290	LWDS-MW1	110	24-AUG-92	8270	1600	U	1600	F
Nitroaniline, 3-	SNL0091295	LWDS-MW1	120	25-AUG-92	8270	1600	U	1600	F
Nitroaniline, 3-	SNL0091297	LWDS-MW1	130	25-AUG-92	8270	1600	U	1600	F
Nitroaniline, 3-	SNL0091583	LWDS-MW1	143	02-SEP-92	8270	1600	U	1600	F
Nitroaniline, 3-	SNL0091585	LWDS-MW1	150	02-SEP-92	8270	1600	U	1600	F
Nitroaniline, 3-	SNL0092988	LWDS-MW1	176	06-APR-93	8270	1600	U	1600	F
Nitroaniline, 3-	SNL0092998	LWDS-MW1	202	08-APR-93	8270	1600	U	1600	F
Nitroaniline, 3-	SNL0093012	LWDS-MW1	226	13-APR-93	8270	1600	U	1600	F
Nitroaniline, 3-	SNL0093022	LWDS-MW1	250	14-APR-93	8270	1600	U	1600	F
Nitroaniline, 3-	SNL0093034	LWDS-MW1	274	15-APR-93	8270	1600	U	1600	F
Nitroaniline, 3-	SNL0093054	LWDS-MW1	315	17-APR-93	8270	1600	U	1600	F
Nitroaniline, 3-	SNL0093066	LWDS-MW1	346	19-APR-93	8270	1600	U	1600	F
Nitroaniline, 3-	SNL0093044	LWDS-MW1	346	19-APR-93	8270	1600	U	1600	D
Nitroaniline, 3-	SNL0093078	LWDS-MW1	390	21-APR-93	8270	1600	U	1600	F
Nitroaniline, 3-	SNL0093101	LWDS-MW1	444	27-APR-93	8270	1600	U	1600	F
Nitroaniline, 4-	SNL0093720	LWDS-05-BH13	0	29-MAR-94	8270	1600	U	1600	F
Nitroaniline, 4-	SNL0093123	LWDS-MW1	0	30-APR-93	8270	1600	U	1600	F
Nitroaniline, 4-	SNL0093091	LWDS-MW1	0	21-APR-93	8270	1600	U	1600	F
Nitroaniline, 4-	SNL0091259	LWDS-MW1	12	22-AUG-92	8270	1600	U	1600	F

Table A-5: Organics analyses of soil samples from ER Site 5.

Analyte	Sample Number	Sample Location	Sample Depth (Ft)	Sample Date	Analytical Method	Amount Detected (ug/kg)	Qualifier	Method Detection Limit	Sample Type
Nitroaniline, 4-	SNL0091261	LWDS-MW1	21	22-AUG-92	8270	1600	U	1600	F
Nitroaniline, 4-	SNL0093474	LWDS-05-BH11	25	20-MAR-94	8270	1600	U	1600	F
Nitroaniline, 4-	SNL0093384	LWDS-05-BH12	25	21-MAR-94	8270	1600	U	1600	F
Nitroaniline, 4-	SNL0093294	LWDS-05-BH13	25	22-MAR-94	8270	1600	U	1600	F
Nitroaniline, 4-	SNL0093676	LWDS-05-BH14	25	23-MAR-94	8270	1600	U	1600	F
Nitroaniline, 4-	SNL0093482	LWDS-05-BH11	30	20-MAR-94	8270	1600	U	1600	F
Nitroaniline, 4-	SNL0093392	LWDS-05-BH12	30	21-MAR-94	8270	1600	U	1600	F
Nitroaniline, 4-	SNL0093302	LWDS-05-BH13	30	22-MAR-94	8270	1600	U	1600	F
Nitroaniline, 4-	SNL0093680	LWDS-05-BH14	30	23-MAR-94	8270	1600	U	1600	F
Nitroaniline, 4-	SNL0091263	LWDS-MW1	30	22-AUG-92	8270	1600	U	1600	F
Nitroaniline, 4-	SNL0093400	LWDS-05-BH12	32.5	21-MAR-94	8270	1600	U	1600	F
Nitroaniline, 4-	SNL0093310	LWDS-05-BH13	32.5	22-MAR-94	8270	1600	U	1600	F
Nitroaniline, 4-	SNL0093684	LWDS-05-BH14	32.5	23-MAR-94	8270	1600	U	1600	F
Nitroaniline, 4-	SNL0093491	LWDS-05-BH11	35	20-MAR-94	8270	1600	U	1600	F
Nitroaniline, 4-	SNL0093408	LWDS-05-BH12	35	21-MAR-94	8270	1600	U	1600	F
Nitroaniline, 4-	SNL0093318	LWDS-05-BH13	35	22-MAR-94	8270	1600	U	1600	F
Nitroaniline, 4-	SNL0093688	LWDS-05-BH14	35	23-MAR-94	8270	1600	U	1600	F
Nitroaniline, 4-	SNL0093589	LWDS-05-BH11	37.5	20-MAR-94	8270	1600	U	1600	F
Nitroaniline, 4-	SNL0093416	LWDS-05-BH12	37.5	21-MAR-94	8270	1600	U	1600	F
Nitroaniline, 4-	SNL0093326	LWDS-05-BH13	37.5	22-MAR-94	8270	1600	U	1600	F
Nitroaniline, 4-	SNL0093692	LWDS-05-BH14	37.5	23-MAR-94	8270	1600	U	1600	F
Nitroaniline, 4-	SNL0091265	LWDS-MW1	39	22-AUG-92	8270	1600	U	1600	F
Nitroaniline, 4-	SNL0093499	LWDS-05-BH11	40	20-MAR-94	8270	1600	U	1600	F
Nitroaniline, 4-	SNL0093424	LWDS-05-BH12	40	21-MAR-94	8270	1600	U	1600	F
Nitroaniline, 4-	SNL0093334	LWDS-05-BH13	40	22-MAR-94	8270	1600	U	1600	F
Nitroaniline, 4-	SNL0093625	LWDS-05-BH14	40	23-MAR-94	8270	1600	U	1600	F
Nitroaniline, 4-	SNL0093507	LWDS-05-BH11	42.5	20-MAR-94	8270	1600	U	1600	F
Nitroaniline, 4-	SNL0093515	LWDS-05-BH11	45	20-MAR-94	8270	1600	U	1600	F
Nitroaniline, 4-	SNL0093432	LWDS-05-BH12	45	21-MAR-94	8270	1600	U	1600	F
Nitroaniline, 4-	SNL0093342	LWDS-05-BH13	45	22-MAR-94	8270	1600	U	1600	F
Nitroaniline, 4-	SNL0093629	LWDS-05-BH14	45	23-MAR-94	8270	1600	U	1600	F
Nitroaniline, 4-	SNL0093523	LWDS-05-BH11	47.5	20-MAR-94	8270	1600	U	1600	F
Nitroaniline, 4-	SNL0093531	LWDS-05-BH11	50	20-MAR-94	8270	1600	U	1600	F
Nitroaniline, 4-	SNL0093440	LWDS-05-BH12	50	21-MAR-94	8270	1600	U	1600	F
Nitroaniline, 4-	SNL0093350	LWDS-05-BH13	50	22-MAR-94	8270	1600	U	1600	F
Nitroaniline, 4-	SNL0093358	LWDS-05-BH13	50	22-MAR-94	8270	1600	U	1600	F
Nitroaniline, 4-	SNL0093633	LWDS-05-BH14	50	23-MAR-94	8270	1600	U	1600	F
Nitroaniline, 4-	SNL0091269	LWDS-MW1	50	22-AUG-92	8270	1600	U	1600	D
Nitroaniline, 4-	SNL0091267	LWDS-MW1	50	22-AUG-92	8270	1600	U	1600	F
Nitroaniline, 4-	SNL0093539	LWDS-05-BH11	55	20-MAR-94	8270	1600	U	1600	F
Nitroaniline, 4-	SNL0093456	LWDS-05-BH12	55	21-MAR-94	8270	1600	U	1600	D
Nitroaniline, 4-	SNL0093448	LWDS-05-BH12	55	21-MAR-94	8270	1600	U	1600	F
Nitroaniline, 4-	SNL0093366	LWDS-05-BH13	55	22-MAR-94	8270	1600	U	1600	F
Nitroaniline, 4-	SNL0093637	LWDS-05-BH14	55	23-MAR-94	8270	1600	U	1600	F
Nitroaniline, 4-	SNL0093547	LWDS-05-BH11	60	20-MAR-94	8270	1600	U	1600	F
Nitroaniline, 4-	SNL0093645	LWDS-05-BH14	60	23-MAR-94	8270	1600	U	1600	D
Nitroaniline, 4-	SNL0093641	LWDS-05-BH14	60	23-MAR-94	8270	1600	U	1600	F
Nitroaniline, 4-	SNL0091271	LWDS-MW1	60	22-AUG-92	8270	1600	U	1600	F
Nitroaniline, 4-	SNL0093555	LWDS-05-BH11	65	20-MAR-94	8270	1600	U	1600	F
Nitroaniline, 4-	SNL0091278	LWDS-MW1	68	23-AUG-92	8270	1600	U	1600	F
Nitroaniline, 4-	SNL0093571	LWDS-05-BH11	70	20-MAR-94	8270	1600	U	1600	D
Nitroaniline, 4-	SNL0093563	LWDS-05-BH11	70	20-MAR-94	8270	1600	U	1600	F
Nitroaniline, 4-	SNL0091280	LWDS-MW1	80	23-AUG-92	8270	1600	U	1600	F
Nitroaniline, 4-	SNL0091282	LWDS-MW1	89	23-AUG-92	8270	1600	U	1600	F
Nitroaniline, 4-	SNL0091284	LWDS-MW1	89	23-AUG-92	8270	1600	U	1600	D
Nitroaniline, 4-	SNL0091286	LWDS-MW1	102	24-AUG-92	8270	1600	U	1600	F
Nitroaniline, 4-	SNL0091288	LWDS-MW1	110	24-AUG-92	8270	1600	U	1600	F
Nitroaniline, 4-	SNL0091290	LWDS-MW1	110	24-AUG-92	8270	1600	U	1600	F
Nitroaniline, 4-	SNL0091295	LWDS-MW1	120	25-AUG-92	8270	1600	U	1600	F
Nitroaniline, 4-	SNL0091297	LWDS-MW1	130	25-AUG-92	8270	1600	U	1600	F
Nitroaniline, 4-	SNL0091583	LWDS-MW1	143	02-SEP-92	8270	1600	U	1600	F
Nitroaniline, 4-	SNL0091585	LWDS-MW1	150	02-SEP-92	8270	1600	U	1600	F
Nitroaniline, 4-	SNL0092988	LWDS-MW1	176	06-APR-93	8270	1600	U	1600	F
Nitroaniline, 4-	SNL0092998	LWDS-MW1	202	08-APR-93	8270	1600	U	1600	F
Nitroaniline, 4-	SNL0093012	LWDS-MW1	226	13-APR-93	8270	1600	U	1600	F
Nitroaniline, 4-	SNL0093022	LWDS-MW1	250	14-APR-93	8270	1600	U	1600	F
Nitroaniline, 4-	SNL0093034	LWDS-MW1	274	15-APR-93	8270	1600	U	1600	F

Table A-5: Organics analyses of soil samples from ER Site 5.

Analyte	Sample Number	Sample Location	Sample Depth (Ft)	Sample Date	Analytical Method	Amount Detected (ug/kg)	Qualifier	Method Detection Limit	Sample Type
Nitroaniline, 4-	SNL0093054	LWDS-MW1	315	17-APR-93	8270	1600	U	1600	F
Nitroaniline, 4-	SNL0093044	LWDS-MW1	346	19-APR-93	8270	1600	U	1600	D
Nitroaniline, 4-	SNL0093066	LWDS-MW1	346	19-APR-93	8270	1600	U	1600	F
Nitroaniline, 4-	SNL0093078	LWDS-MW1	390	21-APR-93	8270	1600	U	1600	F
Nitroaniline, 4-	SNL0093101	LWDS-MW1	444	27-APR-93	8270	1600	U	1600	F
Nitrophenol, 2-	SNL0093720	LWDS-05-BH13	0	29-MAR-94	8270	330	U	330	F
Nitrophenol, 2-	SNL0093123	LWDS-MW1	0	30-APR-93	8270	330	U	330	F
Nitrophenol, 2-	SNL0093091	LWDS-MW1	0	21-APR-93	8270	330	U	330	F
Nitrophenol, 2-	SNL0091259	LWDS-MW1	12	22-AUG-92	8270	330	U	330	F
Nitrophenol, 2-	SNL0091261	LWDS-MW1	21	22-AUG-92	8270	330	U	330	F
Nitrophenol, 2-	SNL0093474	LWDS-05-BH11	25	20-MAR-94	8270	330	U	330	F
Nitrophenol, 2-	SNL0093384	LWDS-05-BH12	25	21-MAR-94	8270	330	U	330	F
Nitrophenol, 2-	SNL0093294	LWDS-05-BH13	25	22-MAR-94	8270	330	U	330	F
Nitrophenol, 2-	SNL0093676	LWDS-05-BH14	25	23-MAR-94	8270	330	U	330	F
Nitrophenol, 2-	SNL0093482	LWDS-05-BH11	30	20-MAR-94	8270	330	U	330	F
Nitrophenol, 2-	SNL0093392	LWDS-05-BH12	30	21-MAR-94	8270	330	U	330	F
Nitrophenol, 2-	SNL0093302	LWDS-05-BH13	30	22-MAR-94	8270	330	U	330	F
Nitrophenol, 2-	SNL0093680	LWDS-05-BH14	30	23-MAR-94	8270	330	U	330	F
Nitrophenol, 2-	SNL0091263	LWDS-MW1	30	22-AUG-92	8270	330	U	330	F
Nitrophenol, 2-	SNL0093400	LWDS-05-BH12	32.5	21-MAR-94	8270	330	U	330	F
Nitrophenol, 2-	SNL0093310	LWDS-05-BH13	32.5	22-MAR-94	8270	330	U	330	F
Nitrophenol, 2-	SNL0093684	LWDS-05-BH14	32.5	23-MAR-94	8270	330	U	330	F
Nitrophenol, 2-	SNL0093491	LWDS-05-BH11	35	20-MAR-94	8270	330	U	330	F
Nitrophenol, 2-	SNL0093408	LWDS-05-BH12	35	21-MAR-94	8270	330	U	330	F
Nitrophenol, 2-	SNL0093318	LWDS-05-BH13	35	22-MAR-94	8270	330	U	330	F
Nitrophenol, 2-	SNL0093688	LWDS-05-BH14	35	23-MAR-94	8270	330	U	330	F
Nitrophenol, 2-	SNL0093589	LWDS-05-BH11	37.5	20-MAR-94	8270	330	U	330	F
Nitrophenol, 2-	SNL0093416	LWDS-05-BH12	37.5	21-MAR-94	8270	330	U	330	F
Nitrophenol, 2-	SNL0093326	LWDS-05-BH13	37.5	22-MAR-94	8270	330	U	330	F
Nitrophenol, 2-	SNL0093692	LWDS-05-BH14	37.5	23-MAR-94	8270	330	U	330	F
Nitrophenol, 2-	SNL0091265	LWDS-MW1	39	22-AUG-92	8270	330	U	330	F
Nitrophenol, 2-	SNL0093499	LWDS-05-BH11	40	20-MAR-94	8270	330	U	330	F
Nitrophenol, 2-	SNL0093424	LWDS-05-BH12	40	21-MAR-94	8270	330	U	330	F
Nitrophenol, 2-	SNL0093334	LWDS-05-BH13	40	22-MAR-94	8270	330	U	330	F
Nitrophenol, 2-	SNL0093625	LWDS-05-BH14	40	23-MAR-94	8270	330	U	330	F
Nitrophenol, 2-	SNL0093507	LWDS-05-BH11	42.5	20-MAR-94	8270	330	U	330	F
Nitrophenol, 2-	SNL0093515	LWDS-05-BH11	45	20-MAR-94	8270	330	U	330	F
Nitrophenol, 2-	SNL0093432	LWDS-05-BH12	45	21-MAR-94	8270	330	U	330	F
Nitrophenol, 2-	SNL0093342	LWDS-05-BH13	45	22-MAR-94	8270	330	U	330	F
Nitrophenol, 2-	SNL0093629	LWDS-05-BH14	45	23-MAR-94	8270	330	U	330	F
Nitrophenol, 2-	SNL0093523	LWDS-05-BH11	47.5	20-MAR-94	8270	330	U	330	F
Nitrophenol, 2-	SNL0093531	LWDS-05-BH11	50	20-MAR-94	8270	330	U	330	F
Nitrophenol, 2-	SNL0093440	LWDS-05-BH12	50	21-MAR-94	8270	330	U	330	F
Nitrophenol, 2-	SNL0093350	LWDS-05-BH13	50	22-MAR-94	8270	330	U	330	F
Nitrophenol, 2-	SNL0093358	LWDS-05-BH13	50	22-MAR-94	8270	330	U	330	F
Nitrophenol, 2-	SNL0093633	LWDS-05-BH14	50	23-MAR-94	8270	330	U	330	F
Nitrophenol, 2-	SNL0091269	LWDS-MW1	50	22-AUG-92	8270	330	U	330	D
Nitrophenol, 2-	SNL0091267	LWDS-MW1	50	22-AUG-92	8270	330	U	330	F
Nitrophenol, 2-	SNL0093539	LWDS-05-BH11	55	20-MAR-94	8270	330	U	330	F
Nitrophenol, 2-	SNL0093456	LWDS-05-BH12	55	21-MAR-94	8270	330	U	330	D
Nitrophenol, 2-	SNL0093448	LWDS-05-BH12	55	21-MAR-94	8270	330	U	330	F
Nitrophenol, 2-	SNL0093366	LWDS-05-BH13	55	22-MAR-94	8270	330	U	330	F
Nitrophenol, 2-	SNL0093637	LWDS-05-BH14	55	23-MAR-94	8270	330	U	330	F
Nitrophenol, 2-	SNL0093547	LWDS-05-BH11	60	20-MAR-94	8270	330	U	330	F
Nitrophenol, 2-	SNL0093641	LWDS-05-BH14	60	23-MAR-94	8270	330	U	330	F
Nitrophenol, 2-	SNL0093645	LWDS-05-BH14	60	23-MAR-94	8270	330	U	330	D
Nitrophenol, 2-	SNL0091271	LWDS-MW1	60	22-AUG-92	8270	330	U	330	F
Nitrophenol, 2-	SNL0093555	LWDS-05-BH11	65	20-MAR-94	8270	330	U	330	F
Nitrophenol, 2-	SNL0091278	LWDS-MW1	68	23-AUG-92	8270	330	U	330	F
Nitrophenol, 2-	SNL0093571	LWDS-05-BH11	70	20-MAR-94	8270	330	U	330	D
Nitrophenol, 2-	SNL0093563	LWDS-05-BH11	70	20-MAR-94	8270	330	U	330	F
Nitrophenol, 2-	SNL0091280	LWDS-MW1	80	23-AUG-92	8270	330	U	330	F
Nitrophenol, 2-	SNL0091284	LWDS-MW1	89	23-AUG-92	8270	330	U	330	D
Nitrophenol, 2-	SNL0091282	LWDS-MW1	89	23-AUG-92	8270	330	U	330	F
Nitrophenol, 2-	SNL0091286	LWDS-MW1	102	24-AUG-92	8270	330	U	330	F
Nitrophenol, 2-	SNL0091290	LWDS-MW1	110	24-AUG-92	8270	330	U	330	F
Nitrophenol, 2-	SNL0091288	LWDS-MW1	110	24-AUG-92	8270	330	U	330	F

Table A-5: Organics analyses of soil samples from ER Site 5.

Analyte	Sample Number	Sample Location	Sample Depth (Ft)	Sample Date	Analytical Method	Amount Detected (ug/kg)	Qualifier	Method Detection Limit	Sample Type
Nitrophenol, 2-	SNL0091295	LWDS-MW1	120	25-AUG-92	8270	330	U	330	F
Nitrophenol, 2-	SNL0091297	LWDS-MW1	130	25-AUG-92	8270	330	U	330	F
Nitrophenol, 2-	SNL0091583	LWDS-MW1	143	02-SEP-92	8270	330	U	330	F
Nitrophenol, 2-	SNL0091585	LWDS-MW1	150	02-SEP-92	8270	330	U	330	F
Nitrophenol, 2-	SNL0092988	LWDS-MW1	176	06-APR-93	8270	330	U	330	F
Nitrophenol, 2-	SNL0092998	LWDS-MW1	202	08-APR-93	8270	330	U	330	F
Nitrophenol, 2-	SNL0093012	LWDS-MW1	226	13-APR-93	8270	330	U	330	F
Nitrophenol, 2-	SNL0093022	LWDS-MW1	250	14-APR-93	8270	330	U	330	F
Nitrophenol, 2-	SNL0093034	LWDS-MW1	274	15-APR-93	8270	330	U	330	F
Nitrophenol, 2-	SNL0093054	LWDS-MW1	315	17-APR-93	8270	330	U	330	F
Nitrophenol, 2-	SNL0093066	LWDS-MW1	346	19-APR-93	8270	330	U	330	F
Nitrophenol, 2-	SNL0093044	LWDS-MW1	346	19-APR-93	8270	330	U	330	D
Nitrophenol, 2-	SNL0093078	LWDS-MW1	390	21-APR-93	8270	330	U	330	F
Nitrophenol, 2-	SNL0093101	LWDS-MW1	444	27-APR-93	8270	330	U	330	F
Nitrophenol, 4-	SNL0093720	LWDS-05-BH13	0	29-MAR-94	8270	1600	U	1600	F
Nitrophenol, 4-	SNL0093123	LWDS-MW1	0	30-APR-93	8270	1600	U	1600	F
Nitrophenol, 4-	SNL0093091	LWDS-MW1	0	21-APR-93	8270	83	J	1600	F
Nitrophenol, 4-	SNL0091259	LWDS-MW1	12	22-AUG-92	8270	1600	U	1600	F
Nitrophenol, 4-	SNL0091261	LWDS-MW1	21	22-AUG-92	8270	1600	U	1600	F
Nitrophenol, 4-	SNL0093474	LWDS-05-BH11	25	20-MAR-94	8270	1600	U	1600	F
Nitrophenol, 4-	SNL0093384	LWDS-05-BH12	25	21-MAR-94	8270	1600	U	1600	F
Nitrophenol, 4-	SNL0093294	LWDS-05-BH13	25	22-MAR-94	8270	1600	U	1600	F
Nitrophenol, 4-	SNL0093676	LWDS-05-BH14	25	23-MAR-94	8270	1600	U	1600	F
Nitrophenol, 4-	SNL0093482	LWDS-05-BH11	30	20-MAR-94	8270	1600	U	1600	F
Nitrophenol, 4-	SNL0093392	LWDS-05-BH12	30	21-MAR-94	8270	1600	U	1600	F
Nitrophenol, 4-	SNL0093302	LWDS-05-BH13	30	22-MAR-94	8270	1600	U	1600	F
Nitrophenol, 4-	SNL0093680	LWDS-05-BH14	30	23-MAR-94	8270	1600	U	1600	F
Nitrophenol, 4-	SNL0091263	LWDS-MW1	30	22-AUG-92	8270	1600	U	1600	F
Nitrophenol, 4-	SNL0093400	LWDS-05-BH12	32.5	21-MAR-94	8270	1600	U	1600	F
Nitrophenol, 4-	SNL0093310	LWDS-05-BH13	32.5	22-MAR-94	8270	1600	U	1600	F
Nitrophenol, 4-	SNL0093684	LWDS-05-BH14	32.5	23-MAR-94	8270	1600	U	1600	F
Nitrophenol, 4-	SNL0093491	LWDS-05-BH11	35	20-MAR-94	8270	1600	U	1600	F
Nitrophenol, 4-	SNL0093408	LWDS-05-BH12	35	21-MAR-94	8270	1600	U	1600	F
Nitrophenol, 4-	SNL0093318	LWDS-05-BH13	35	22-MAR-94	8270	1600	U	1600	F
Nitrophenol, 4-	SNL0093688	LWDS-05-BH14	35	23-MAR-94	8270	1600	U	1600	F
Nitrophenol, 4-	SNL0093589	LWDS-05-BH11	37.5	20-MAR-94	8270	1600	U	1600	F
Nitrophenol, 4-	SNL0093416	LWDS-05-BH12	37.5	21-MAR-94	8270	1600	U	1600	F
Nitrophenol, 4-	SNL0093326	LWDS-05-BH13	37.5	22-MAR-94	8270	1600	U	1600	F
Nitrophenol, 4-	SNL0093692	LWDS-05-BH14	37.5	23-MAR-94	8270	1600	U	1600	F
Nitrophenol, 4-	SNL0091265	LWDS-MW1	39	22-AUG-92	8270	1600	U	1600	F
Nitrophenol, 4-	SNL0093499	LWDS-05-BH11	40	20-MAR-94	8270	1600	U	1600	F
Nitrophenol, 4-	SNL0093424	LWDS-05-BH12	40	21-MAR-94	8270	1600	U	1600	F
Nitrophenol, 4-	SNL0093334	LWDS-05-BH13	40	22-MAR-94	8270	1600	U	1600	F
Nitrophenol, 4-	SNL0093625	LWDS-05-BH14	40	23-MAR-94	8270	1600	U	1600	F
Nitrophenol, 4-	SNL0093507	LWDS-05-BH11	42.5	20-MAR-94	8270	1600	U	1600	F
Nitrophenol, 4-	SNL0093515	LWDS-05-BH11	45	20-MAR-94	8270	1600	U	1600	F
Nitrophenol, 4-	SNL0093432	LWDS-05-BH12	45	21-MAR-94	8270	1600	U	1600	F
Nitrophenol, 4-	SNL0093342	LWDS-05-BH13	45	22-MAR-94	8270	1600	U	1600	F
Nitrophenol, 4-	SNL0093629	LWDS-05-BH14	45	23-MAR-94	8270	1600	U	1600	F
Nitrophenol, 4-	SNL0093523	LWDS-05-BH11	47.5	20-MAR-94	8270	1600	U	1600	F
Nitrophenol, 4-	SNL0093531	LWDS-05-BH11	50	20-MAR-94	8270	1600	U	1600	F
Nitrophenol, 4-	SNL0093440	LWDS-05-BH12	50	21-MAR-94	8270	1600	U	1600	F
Nitrophenol, 4-	SNL0093350	LWDS-05-BH13	50	22-MAR-94	8270	1600	U	1600	F
Nitrophenol, 4-	SNL0093358	LWDS-05-BH13	50	22-MAR-94	8270	1600	U	1600	F
Nitrophenol, 4-	SNL0093633	LWDS-05-BH14	50	23-MAR-94	8270	1600	U	1600	F
Nitrophenol, 4-	SNL0091269	LWDS-MW1	50	22-AUG-92	8270	1600	U	1600	D
Nitrophenol, 4-	SNL0091267	LWDS-MW1	50	22-AUG-92	8270	1600	U	1600	F
Nitrophenol, 4-	SNL0093539	LWDS-05-BH11	55	20-MAR-94	8270	1600	U	1600	F
Nitrophenol, 4-	SNL0093456	LWDS-05-BH12	55	21-MAR-94	8270	1600	U	1600	D
Nitrophenol, 4-	SNL0093448	LWDS-05-BH12	55	21-MAR-94	8270	1600	U	1600	F
Nitrophenol, 4-	SNL0093366	LWDS-05-BH13	55	22-MAR-94	8270	1600	U	1600	F
Nitrophenol, 4-	SNL0093637	LWDS-05-BH14	55	23-MAR-94	8270	1600	U	1600	F
Nitrophenol, 4-	SNL0093547	LWDS-05-BH11	60	20-MAR-94	8270	1600	U	1600	F
Nitrophenol, 4-	SNL0093645	LWDS-05-BH14	60	23-MAR-94	8270	1600	U	1600	D
Nitrophenol, 4-	SNL0093641	LWDS-05-BH14	60	23-MAR-94	8270	1600	U	1600	F
Nitrophenol, 4-	SNL0091271	LWDS-MW1	60	22-AUG-92	8270	1600	U	1600	F
Nitrophenol, 4-	SNL0093555	LWDS-05-BH11	65	20-MAR-94	8270	1600	U	1600	F

Table A-5: Organics analyses of soil samples from ER Site 5.

Analyte	Sample Number	Sample Location	Sample Depth (Ft)	Sample Date	Analytical Method	Amount Detected (ug/kg)	Qualifier	Method Detection Limit	Sample Type
Nitrophenol, 4-	SNL0091278	LWDS-MW1	68	23-AUG-92	8270	1600	U	1600	F
Nitrophenol, 4-	SNL0093571	LWDS-05-BH11	70	20-MAR-94	8270	1600	U	1600	D
Nitrophenol, 4-	SNL0093563	LWDS-05-BH11	70	20-MAR-94	8270	1600	U	1600	F
Nitrophenol, 4-	SNL0091280	LWDS-MW1	80	23-AUG-92	8270	1600	U	1600	F
Nitrophenol, 4-	SNL0091284	LWDS-MW1	89	23-AUG-92	8270	1600	U	1600	D
Nitrophenol, 4-	SNL0091282	LWDS-MW1	89	23-AUG-92	8270	1600	U	1600	F
Nitrophenol, 4-	SNL0091286	LWDS-MW1	102	24-AUG-92	8270	1600	U	1600	F
Nitrophenol, 4-	SNL0091288	LWDS-MW1	110	24-AUG-92	8270	1600	U	1600	F
Nitrophenol, 4-	SNL0091290	LWDS-MW1	110	24-AUG-92	8270	1600	U	1600	F
Nitrophenol, 4-	SNL0091295	LWDS-MW1	120	25-AUG-92	8270	1600	U	1600	F
Nitrophenol, 4-	SNL0091297	LWDS-MW1	130	25-AUG-92	8270	1600	U	1600	F
Nitrophenol, 4-	SNL0091583	LWDS-MW1	143	02-SEP-92	8270	1600	U	1600	F
Nitrophenol, 4-	SNL0091585	LWDS-MW1	150	02-SEP-92	8270	1600	U	1600	F
Nitrophenol, 4-	SNL0092988	LWDS-MW1	176	06-APR-93	8270	1600	U	1600	F
Nitrophenol, 4-	SNL0092998	LWDS-MW1	202	08-APR-93	8270	1600	U	1600	F
Nitrophenol, 4-	SNL0093012	LWDS-MW1	226	13-APR-93	8270	1600	U	1600	F
Nitrophenol, 4-	SNL0093022	LWDS-MW1	250	14-APR-93	8270	1600	U	1600	F
Nitrophenol, 4-	SNL0093034	LWDS-MW1	274	15-APR-93	8270	1600	U	1600	F
Nitrophenol, 4-	SNL0093054	LWDS-MW1	315	17-APR-93	8270	1600	U	1600	F
Nitrophenol, 4-	SNL0093044	LWDS-MW1	346	19-APR-93	8270	1600	U	1600	D
Nitrophenol, 4-	SNL0093066	LWDS-MW1	346	19-APR-93	8270	1600	U	1600	F
Nitrophenol, 4-	SNL0093078	LWDS-MW1	390	21-APR-93	8270	1600	U	1600	F
Nitrophenol, 4-	SNL0093101	LWDS-MW1	444	27-APR-93	8270	1600	U	1600	F
Nitrosodiphenylamine, n-	SNL0093720	LWDS-05-BH13	0	29-MAR-94	8270	330	U	330	F
Nitrosodiphenylamine, n-	SNL0093123	LWDS-MW1	0	30-APR-93	8270	330	U	330	F
Nitrosodiphenylamine, n-	SNL0093091	LWDS-MW1	0	21-APR-93	8270	330	U	330	F
Nitrosodiphenylamine, n-	SNL0091259	LWDS-MW1	12	22-AUG-92	8270	330	U	330	F
Nitrosodiphenylamine, n-	SNL0091261	LWDS-MW1	21	22-AUG-92	8270	330	U	330	F
Nitrosodiphenylamine, n-	SNL0093474	LWDS-05-BH11	25	20-MAR-94	8270	330	U	330	F
Nitrosodiphenylamine, n-	SNL0093384	LWDS-05-BH12	25	21-MAR-94	8270	330	U	330	F
Nitrosodiphenylamine, n-	SNL0093294	LWDS-05-BH13	25	22-MAR-94	8270	330	U	330	F
Nitrosodiphenylamine, n-	SNL0093676	LWDS-05-BH14	25	23-MAR-94	8270	330	U	330	F
Nitrosodiphenylamine, n-	SNL0093482	LWDS-05-BH11	30	20-MAR-94	8270	330	U	330	F
Nitrosodiphenylamine, n-	SNL0093392	LWDS-05-BH12	30	21-MAR-94	8270	330	U	330	F
Nitrosodiphenylamine, n-	SNL0093302	LWDS-05-BH13	30	22-MAR-94	8270	330	U	330	F
Nitrosodiphenylamine, n-	SNL0093680	LWDS-05-BH14	30	23-MAR-94	8270	330	U	330	F
Nitrosodiphenylamine, n-	SNL0091263	LWDS-MW1	30	22-AUG-92	8270	330	U	330	F
Nitrosodiphenylamine, n-	SNL0093400	LWDS-05-BH12	32.5	21-MAR-94	8270	330	U	330	F
Nitrosodiphenylamine, n-	SNL0093310	LWDS-05-BH13	32.5	22-MAR-94	8270	330	U	330	F
Nitrosodiphenylamine, n-	SNL0093684	LWDS-05-BH14	32.5	23-MAR-94	8270	330	U	330	F
Nitrosodiphenylamine, n-	SNL0093491	LWDS-05-BH11	35	20-MAR-94	8270	330	U	330	F
Nitrosodiphenylamine, n-	SNL0093408	LWDS-05-BH12	35	21-MAR-94	8270	330	U	330	F
Nitrosodiphenylamine, n-	SNL0093318	LWDS-05-BH13	35	22-MAR-94	8270	330	U	330	F
Nitrosodiphenylamine, n-	SNL0093688	LWDS-05-BH14	35	23-MAR-94	8270	330	U	330	F
Nitrosodiphenylamine, n-	SNL0093589	LWDS-05-BH11	37.5	20-MAR-94	8270	330	U	330	F
Nitrosodiphenylamine, n-	SNL0093416	LWDS-05-BH12	37.5	21-MAR-94	8270	330	U	330	F
Nitrosodiphenylamine, n-	SNL0093326	LWDS-05-BH13	37.5	22-MAR-94	8270	330	U	330	F
Nitrosodiphenylamine, n-	SNL0093692	LWDS-05-BH14	37.5	23-MAR-94	8270	330	U	330	F
Nitrosodiphenylamine, n-	SNL0091265	LWDS-MW1	39	22-AUG-92	8270	330	U	330	F
Nitrosodiphenylamine, n-	SNL0093499	LWDS-05-BH11	40	20-MAR-94	8270	330	U	330	F
Nitrosodiphenylamine, n-	SNL0093424	LWDS-05-BH12	40	21-MAR-94	8270	330	U	330	F
Nitrosodiphenylamine, n-	SNL0093334	LWDS-05-BH13	40	22-MAR-94	8270	330	U	330	F
Nitrosodiphenylamine, n-	SNL0093625	LWDS-05-BH14	40	23-MAR-94	8270	330	U	330	F
Nitrosodiphenylamine, n-	SNL0093507	LWDS-05-BH11	42.5	20-MAR-94	8270	330	U	330	F
Nitrosodiphenylamine, n-	SNL0093515	LWDS-05-BH11	45	20-MAR-94	8270	330	U	330	F
Nitrosodiphenylamine, n-	SNL0093432	LWDS-05-BH12	45	21-MAR-94	8270	330	U	330	F
Nitrosodiphenylamine, n-	SNL0093342	LWDS-05-BH13	45	22-MAR-94	8270	330	U	330	F
Nitrosodiphenylamine, n-	SNL0093629	LWDS-05-BH14	45	23-MAR-94	8270	330	U	330	F
Nitrosodiphenylamine, n-	SNL0093523	LWDS-05-BH11	47.5	20-MAR-94	8270	330	U	330	F
Nitrosodiphenylamine, n-	SNL0093531	LWDS-05-BH11	50	20-MAR-94	8270	330	U	330	F
Nitrosodiphenylamine, n-	SNL0093440	LWDS-05-BH12	50	21-MAR-94	8270	330	U	330	F
Nitrosodiphenylamine, n-	SNL0093350	LWDS-05-BH13	50	22-MAR-94	8270	330	U	330	F
Nitrosodiphenylamine, n-	SNL0093358	LWDS-05-BH13	50	22-MAR-94	8270	330	U	330	F
Nitrosodiphenylamine, n-	SNL0093633	LWDS-05-BH14	50	23-MAR-94	8270	330	U	330	F
Nitrosodiphenylamine, n-	SNL0091269	LWDS-MW1	50	22-AUG-92	8270	330	U	330	D
Nitrosodiphenylamine, n-	SNL0091267	LWDS-MW1	50	22-AUG-92	8270	330	U	330	F
Nitrosodiphenylamine, n-	SNL0093539	LWDS-05-BH11	55	20-MAR-94	8270	330	U	330	F

Table A-5: Organics analyses of soil samples from ER Site 5.

Analyte	Sample Number	Sample Location	Sample Depth (Ft)	Sample Date	Analytical Method	Amount Detected (ug/kg)	Qualifier	Method Detection Limit	Sample Type
Nitrosodiphenylamine, n-	SNL0093456	LWDS-05-BH12	55	21-MAR-94	8270	330	U	330	D
Nitrosodiphenylamine, n-	SNL0093448	LWDS-05-BH12	55	21-MAR-94	8270	330	U	330	F
Nitrosodiphenylamine, n-	SNL0093366	LWDS-05-BH13	55	22-MAR-94	8270	330	U	330	F
Nitrosodiphenylamine, n-	SNL0093637	LWDS-05-BH14	55	23-MAR-94	8270	330	U	330	F
Nitrosodiphenylamine, n-	SNL0093547	LWDS-05-BH11	60	20-MAR-94	8270	330	U	330	F
Nitrosodiphenylamine, n-	SNL0093645	LWDS-05-BH14	60	23-MAR-94	8270	330	U	330	D
Nitrosodiphenylamine, n-	SNL0093641	LWDS-05-BH14	60	23-MAR-94	8270	330	U	330	F
Nitrosodiphenylamine, n-	SNL0091271	LWDS-MW1	60	22-AUG-92	8270	330	U	330	F
Nitrosodiphenylamine, n-	SNL0093555	LWDS-05-BH11	65	20-MAR-94	8270	330	U	330	F
Nitrosodiphenylamine, n-	SNL0091278	LWDS-MW1	68	23-AUG-92	8270	330	U	330	F
Nitrosodiphenylamine, n-	SNL0093563	LWDS-05-BH11	70	20-MAR-94	8270	330	U	330	F
Nitrosodiphenylamine, n-	SNL0093571	LWDS-05-BH11	70	20-MAR-94	8270	330	U	330	D
Nitrosodiphenylamine, n-	SNL0091280	LWDS-MW1	80	23-AUG-92	8270	330	U	330	F
Nitrosodiphenylamine, n-	SNL0091284	LWDS-MW1	89	23-AUG-92	8270	330	U	330	D
Nitrosodiphenylamine, n-	SNL0091282	LWDS-MW1	89	23-AUG-92	8270	330	U	330	F
Nitrosodiphenylamine, n-	SNL0091286	LWDS-MW1	102	24-AUG-92	8270	330	U	330	F
Nitrosodiphenylamine, n-	SNL0091288	LWDS-MW1	110	24-AUG-92	8270	330	U	330	F
Nitrosodiphenylamine, n-	SNL0091290	LWDS-MW1	110	24-AUG-92	8270	330	U	330	F
Nitrosodiphenylamine, n-	SNL0091295	LWDS-MW1	120	25-AUG-92	8270	330	U	330	F
Nitrosodiphenylamine, n-	SNL0091297	LWDS-MW1	130	25-AUG-92	8270	330	U	330	F
Nitrosodiphenylamine, n-	SNL0091583	LWDS-MW1	143	02-SEP-92	8270	330	U	330	F
Nitrosodiphenylamine, n-	SNL0091585	LWDS-MW1	150	02-SEP-92	8270	330	U	330	F
Nitrosodiphenylamine, n-	SNL0092988	LWDS-MW1	176	06-APR-93	8270	330	U	330	F
Nitrosodiphenylamine, n-	SNL0092998	LWDS-MW1	202	08-APR-93	8270	330	U	330	F
Nitrosodiphenylamine, n-	SNL0093012	LWDS-MW1	226	13-APR-93	8270	330	U	330	F
Nitrosodiphenylamine, n-	SNL0093022	LWDS-MW1	250	14-APR-93	8270	330	U	330	F
Nitrosodiphenylamine, n-	SNL0093034	LWDS-MW1	274	15-APR-93	8270	330	U	330	F
Nitrosodiphenylamine, n-	SNL0093054	LWDS-MW1	315	17-APR-93	8270	330	U	330	F
Nitrosodiphenylamine, n-	SNL0093044	LWDS-MW1	346	19-APR-93	8270	330	U	330	D
Nitrosodiphenylamine, n-	SNL0093066	LWDS-MW1	346	19-APR-93	8270	330	U	330	F
Nitrosodiphenylamine, n-	SNL0093078	LWDS-MW1	390	21-APR-93	8270	330	U	330	F
Nitrosodiphenylamine, n-	SNL0093101	LWDS-MW1	444	27-APR-93	8270	330	U	330	F
Nitrosodipropylamine, n-	SNL0093720	LWDS-05-BH13	0	29-MAR-94	8270	330	U	330	F
Nitrosodipropylamine, n-	SNL0093123	LWDS-MW1	0	30-APR-93	8270	330	U	330	F
Nitrosodipropylamine, n-	SNL0093091	LWDS-MW1	0	21-APR-93	8270	330	U	330	F
Nitrosodipropylamine, n-	SNL0091259	LWDS-MW1	12	22-AUG-92	8270	330	U	330	F
Nitrosodipropylamine, n-	SNL0091261	LWDS-MW1	21	22-AUG-92	8270	330	U	330	F
Nitrosodipropylamine, n-	SNL0093474	LWDS-05-BH11	25	20-MAR-94	8270	330	U	330	F
Nitrosodipropylamine, n-	SNL0093384	LWDS-05-BH12	25	21-MAR-94	8270	330	U	330	F
Nitrosodipropylamine, n-	SNL0093294	LWDS-05-BH13	25	22-MAR-94	8270	330	U	330	F
Nitrosodipropylamine, n-	SNL0093676	LWDS-05-BH14	25	23-MAR-94	8270	330	U	330	F
Nitrosodipropylamine, n-	SNL0093482	LWDS-05-BH11	30	20-MAR-94	8270	330	U	330	F
Nitrosodipropylamine, n-	SNL0093392	LWDS-05-BH12	30	21-MAR-94	8270	330	U	330	F
Nitrosodipropylamine, n-	SNL0093302	LWDS-05-BH13	30	22-MAR-94	8270	330	U	330	F
Nitrosodipropylamine, n-	SNL0093680	LWDS-05-BH14	30	23-MAR-94	8270	330	U	330	F
Nitrosodipropylamine, n-	SNL0091263	LWDS-MW1	30	22-AUG-92	8270	330	U	330	F
Nitrosodipropylamine, n-	SNL0093400	LWDS-05-BH12	32.5	21-MAR-94	8270	330	U	330	F
Nitrosodipropylamine, n-	SNL0093310	LWDS-05-BH13	32.5	22-MAR-94	8270	330	U	330	F
Nitrosodipropylamine, n-	SNL0093684	LWDS-05-BH14	32.5	23-MAR-94	8270	330	U	330	F
Nitrosodipropylamine, n-	SNL0093491	LWDS-05-BH11	35	20-MAR-94	8270	330	U	330	F
Nitrosodipropylamine, n-	SNL0093408	LWDS-05-BH12	35	21-MAR-94	8270	330	U	330	F
Nitrosodipropylamine, n-	SNL0093318	LWDS-05-BH13	35	22-MAR-94	8270	330	U	330	F
Nitrosodipropylamine, n-	SNL0093688	LWDS-05-BH14	35	23-MAR-94	8270	330	U	330	F
Nitrosodipropylamine, n-	SNL0093589	LWDS-05-BH11	37.5	20-MAR-94	8270	330	U	330	F
Nitrosodipropylamine, n-	SNL0093416	LWDS-05-BH12	37.5	21-MAR-94	8270	330	U	330	F
Nitrosodipropylamine, n-	SNL0093326	LWDS-05-BH13	37.5	22-MAR-94	8270	330	U	330	F
Nitrosodipropylamine, n-	SNL0093692	LWDS-05-BH14	37.5	23-MAR-94	8270	330	U	330	F
Nitrosodipropylamine, n-	SNL0091265	LWDS-MW1	39	22-AUG-92	8270	330	U	330	F
Nitrosodipropylamine, n-	SNL0093499	LWDS-05-BH11	40	20-MAR-94	8270	330	U	330	F
Nitrosodipropylamine, n-	SNL0093424	LWDS-05-BH12	40	21-MAR-94	8270	330	U	330	F
Nitrosodipropylamine, n-	SNL0093334	LWDS-05-BH13	40	22-MAR-94	8270	330	U	330	F
Nitrosodipropylamine, n-	SNL0093625	LWDS-05-BH14	40	23-MAR-94	8270	330	U	330	F
Nitrosodipropylamine, n-	SNL0093507	LWDS-05-BH11	42.5	20-MAR-94	8270	330	U	330	F
Nitrosodipropylamine, n-	SNL0093515	LWDS-05-BH11	45	20-MAR-94	8270	330	U	330	F
Nitrosodipropylamine, n-	SNL0093432	LWDS-05-BH12	45	21-MAR-94	8270	330	U	330	F
Nitrosodipropylamine, n-	SNL0093342	LWDS-05-BH13	45	22-MAR-94	8270	330	U	330	F
Nitrosodipropylamine, n-	SNL0093629	LWDS-05-BH14	45	23-MAR-94	8270	330	U	330	F

Table A-5: Organics analyses of soil samples from ER Site 5.

Analyte	Sample Number	Sample Location	Sample Depth (Ft)	Sample Date	Analytical Method	Amount Detected (ug/kg)	Qualifier	Method Detection Limit	Sample Type
Nitrosodipropylamine, n-	SNL0093523	LWDS-05-BH11	47.5	20-MAR-94	8270	330	U	330	F
Nitrosodipropylamine, n-	SNL0093531	LWDS-05-BH11	50	20-MAR-94	8270	330	U	330	F
Nitrosodipropylamine, n-	SNL0093440	LWDS-05-BH12	50	21-MAR-94	8270	330	U	330	F
Nitrosodipropylamine, n-	SNL0093358	LWDS-05-BH13	50	22-MAR-94	8270	330	U	330	F
Nitrosodipropylamine, n-	SNL0093350	LWDS-05-BH13	50	22-MAR-94	8270	330	U	330	F
Nitrosodipropylamine, n-	SNL0093633	LWDS-05-BH14	50	23-MAR-94	8270	330	U	330	F
Nitrosodipropylamine, n-	SNL0091269	LWDS-MW1	50	22-AUG-92	8270	330	U	330	D
Nitrosodipropylamine, n-	SNL0091267	LWDS-MW1	50	22-AUG-92	8270	330	U	330	F
Nitrosodipropylamine, n-	SNL0093539	LWDS-05-BH11	55	20-MAR-94	8270	330	U	330	F
Nitrosodipropylamine, n-	SNL0093456	LWDS-05-BH12	55	21-MAR-94	8270	330	U	330	D
Nitrosodipropylamine, n-	SNL0093448	LWDS-05-BH12	55	21-MAR-94	8270	330	U	330	F
Nitrosodipropylamine, n-	SNL0093366	LWDS-05-BH13	55	22-MAR-94	8270	330	U	330	F
Nitrosodipropylamine, n-	SNL0093637	LWDS-05-BH14	55	23-MAR-94	8270	330	U	330	F
Nitrosodipropylamine, n-	SNL0093547	LWDS-05-BH11	60	20-MAR-94	8270	330	U	330	F
Nitrosodipropylamine, n-	SNL0093645	LWDS-05-BH14	60	23-MAR-94	8270	330	U	330	D
Nitrosodipropylamine, n-	SNL0093641	LWDS-05-BH14	60	23-MAR-94	8270	330	U	330	F
Nitrosodipropylamine, n-	SNL0091271	LWDS-MW1	60	22-AUG-92	8270	330	U	330	F
Nitrosodipropylamine, n-	SNL0093555	LWDS-05-BH11	65	20-MAR-94	8270	330	U	330	F
Nitrosodipropylamine, n-	SNL0091278	LWDS-MW1	68	23-AUG-92	8270	330	U	330	F
Nitrosodipropylamine, n-	SNL0093571	LWDS-05-BH11	70	20-MAR-94	8270	330	U	330	D
Nitrosodipropylamine, n-	SNL0093563	LWDS-05-BH11	70	20-MAR-94	8270	330	U	330	F
Nitrosodipropylamine, n-	SNL0091280	LWDS-MW1	80	23-AUG-92	8270	330	U	330	F
Nitrosodipropylamine, n-	SNL0091284	LWDS-MW1	89	23-AUG-92	8270	330	U	330	D
Nitrosodipropylamine, n-	SNL0091282	LWDS-MW1	89	23-AUG-92	8270	330	U	330	F
Nitrosodipropylamine, n-	SNL0091286	LWDS-MW1	102	24-AUG-92	8270	330	U	330	F
Nitrosodipropylamine, n-	SNL0091288	LWDS-MW1	110	24-AUG-92	8270	330	U	330	F
Nitrosodipropylamine, n-	SNL0091290	LWDS-MW1	110	24-AUG-92	8270	330	U	330	F
Nitrosodipropylamine, n-	SNL0091295	LWDS-MW1	120	25-AUG-92	8270	330	U	330	F
Nitrosodipropylamine, n-	SNL0091297	LWDS-MW1	130	25-AUG-92	8270	330	U	330	F
Nitrosodipropylamine, n-	SNL0091583	LWDS-MW1	143	02-SEP-92	8270	330	U	330	F
Nitrosodipropylamine, n-	SNL0091585	LWDS-MW1	150	02-SEP-92	8270	330	U	330	F
Nitrosodipropylamine, n-	SNL0092988	LWDS-MW1	176	06-APR-93	8270	330	U	330	F
Nitrosodipropylamine, n-	SNL0092998	LWDS-MW1	202	08-APR-93	8270	330	U	330	F
Nitrosodipropylamine, n-	SNL0093012	LWDS-MW1	226	13-APR-93	8270	330	U	330	F
Nitrosodipropylamine, n-	SNL0093022	LWDS-MW1	250	14-APR-93	8270	330	U	330	F
Nitrosodipropylamine, n-	SNL0093034	LWDS-MW1	274	15-APR-93	8270	330	U	330	F
Nitrosodipropylamine, n-	SNL0093054	LWDS-MW1	315	17-APR-93	8270	330	U	330	F
Nitrosodipropylamine, n-	SNL0093066	LWDS-MW1	346	19-APR-93	8270	330	U	330	F
Nitrosodipropylamine, n-	SNL0093044	LWDS-MW1	346	19-APR-93	8270	330	U	330	D
Nitrosodipropylamine, n-	SNL0093078	LWDS-MW1	390	21-APR-93	8270	330	U	330	F
Nitrosodipropylamine, n-	SNL0093101	LWDS-MW1	444	27-APR-93	8270	330	U	330	F
Pentachlorophenol	SNL0093720	LWDS-05-BH13	0	29-MAR-94	8270	1600	U	1600	F
Pentachlorophenol	SNL0093123	LWDS-MW1	0	30-APR-93	8270	1600	U	1600	F
Pentachlorophenol	SNL0093091	LWDS-MW1	0	21-APR-93	8270	1600	U	1600	F
Pentachlorophenol	SNL0091259	LWDS-MW1	12	22-AUG-92	8270	1600	U	1600	F
Pentachlorophenol	SNL0091261	LWDS-MW1	21	22-AUG-92	8270	1600	U	1600	F
Pentachlorophenol	SNL0093474	LWDS-05-BH11	25	20-MAR-94	8270	1600	U	1600	F
Pentachlorophenol	SNL0093384	LWDS-05-BH12	25	21-MAR-94	8270	1600	U	1600	F
Pentachlorophenol	SNL0093294	LWDS-05-BH13	25	22-MAR-94	8270	1600	U	1600	F
Pentachlorophenol	SNL0093676	LWDS-05-BH14	25	23-MAR-94	8270	1600	U	1600	F
Pentachlorophenol	SNL0093482	LWDS-05-BH11	30	20-MAR-94	8270	1600	U	1600	F
Pentachlorophenol	SNL0093392	LWDS-05-BH12	30	21-MAR-94	8270	1600	U	1600	F
Pentachlorophenol	SNL0093302	LWDS-05-BH13	30	22-MAR-94	8270	1600	U	1600	F
Pentachlorophenol	SNL0093680	LWDS-05-BH14	30	23-MAR-94	8270	1600	U	1600	F
Pentachlorophenol	SNL0091263	LWDS-MW1	30	22-AUG-92	8270	1600	U	1600	F
Pentachlorophenol	SNL0093400	LWDS-05-BH12	32.5	21-MAR-94	8270	1600	U	1600	F
Pentachlorophenol	SNL0093310	LWDS-05-BH13	32.5	22-MAR-94	8270	1600	U	1600	F
Pentachlorophenol	SNL0093684	LWDS-05-BH14	32.5	23-MAR-94	8270	1600	U	1600	F
Pentachlorophenol	SNL0093491	LWDS-05-BH11	35	20-MAR-94	8270	1600	U	1600	F
Pentachlorophenol	SNL0093408	LWDS-05-BH12	35	21-MAR-94	8270	1600	U	1600	F
Pentachlorophenol	SNL0093318	LWDS-05-BH13	35	22-MAR-94	8270	1600	U	1600	F
Pentachlorophenol	SNL0093688	LWDS-05-BH14	35	23-MAR-94	8270	1600	U	1600	F
Pentachlorophenol	SNL0093589	LWDS-05-BH11	37.5	20-MAR-94	8270	1600	U	1600	F
Pentachlorophenol	SNL0093416	LWDS-05-BH12	37.5	21-MAR-94	8270	1600	U	1600	F
Pentachlorophenol	SNL0093326	LWDS-05-BH13	37.5	22-MAR-94	8270	1600	U	1600	F
Pentachlorophenol	SNL0093692	LWDS-05-BH14	37.5	23-MAR-94	8270	1600	U	1600	F
Pentachlorophenol	SNL0091265	LWDS-MW1	39	22-AUG-92	8270	1600	U	1600	F

Table A-5: Organics analyses of soil samples from ER Site 5.

Analyte	Sample Number	Sample Location	Sample Depth (Ft)	Sample Date	Analytical Method	Amount Detected (ug/kg)	Qualifier	Method Detection Limit	Sample Type
Pentachlorophenol	SNL0093499	LWDS-05-BH11	40	20-MAR-94	8270	1600	U	1600	F
Pentachlorophenol	SNL0093424	LWDS-05-BH12	40	21-MAR-94	8270	1600	U	1600	F
Pentachlorophenol	SNL0093334	LWDS-05-BH13	40	22-MAR-94	8270	1600	U	1600	F
Pentachlorophenol	SNL0093625	LWDS-05-BH14	40	23-MAR-94	8270	1600	U	1600	F
Pentachlorophenol	SNL0093507	LWDS-05-BH11	42.5	20-MAR-94	8270	1600	U	1600	F
Pentachlorophenol	SNL0093515	LWDS-05-BH11	45	20-MAR-94	8270	1600	U	1600	F
Pentachlorophenol	SNL0093432	LWDS-05-BH12	45	21-MAR-94	8270	1600	U	1600	F
Pentachlorophenol	SNL0093342	LWDS-05-BH13	45	22-MAR-94	8270	1600	U	1600	F
Pentachlorophenol	SNL0093629	LWDS-05-BH14	45	23-MAR-94	8270	1600	U	1600	F
Pentachlorophenol	SNL0093523	LWDS-05-BH11	47.5	20-MAR-94	8270	1600	U	1600	F
Pentachlorophenol	SNL0093531	LWDS-05-BH11	50	20-MAR-94	8270	1600	U	1600	F
Pentachlorophenol	SNL0093440	LWDS-05-BH12	50	21-MAR-94	8270	1600	U	1600	F
Pentachlorophenol	SNL0093350	LWDS-05-BH13	50	22-MAR-94	8270	1600	U	1600	F
Pentachlorophenol	SNL0093358	LWDS-05-BH13	50	22-MAR-94	8270	1600	U	1600	F
Pentachlorophenol	SNL0093633	LWDS-05-BH14	50	23-MAR-94	8270	1600	U	1600	F
Pentachlorophenol	SNL0091269	LWDS-MW1	50	22-AUG-92	8270	1600	U	1600	D
Pentachlorophenol	SNL0091267	LWDS-MW1	50	22-AUG-92	8270	1600	U	1600	F
Pentachlorophenol	SNL0093539	LWDS-05-BH11	55	20-MAR-94	8270	1600	U	1600	F
Pentachlorophenol	SNL0093448	LWDS-05-BH12	55	21-MAR-94	8270	1600	U	1600	F
Pentachlorophenol	SNL0093456	LWDS-05-BH12	55	21-MAR-94	8270	1600	U	1600	D
Pentachlorophenol	SNL0093366	LWDS-05-BH13	55	22-MAR-94	8270	1600	U	1600	F
Pentachlorophenol	SNL0093637	LWDS-05-BH14	55	23-MAR-94	8270	1600	U	1600	F
Pentachlorophenol	SNL0093547	LWDS-05-BH11	60	20-MAR-94	8270	1600	U	1600	F
Pentachlorophenol	SNL0093645	LWDS-05-BH14	60	23-MAR-94	8270	1600	U	1600	D
Pentachlorophenol	SNL0093641	LWDS-05-BH14	60	23-MAR-94	8270	1600	U	1600	F
Pentachlorophenol	SNL0091271	LWDS-MW1	60	22-AUG-92	8270	1600	U	1600	F
Pentachlorophenol	SNL0093555	LWDS-05-BH11	65	20-MAR-94	8270	1600	U	1600	F
Pentachlorophenol	SNL0091278	LWDS-MW1	68	23-AUG-92	8270	1600	U	1600	F
Pentachlorophenol	SNL0093571	LWDS-05-BH11	70	20-MAR-94	8270	1600	U	1600	D
Pentachlorophenol	SNL0093563	LWDS-05-BH11	70	20-MAR-94	8270	1600	U	1600	F
Pentachlorophenol	SNL0091280	LWDS-MW1	80	23-AUG-92	8270	1600	U	1600	F
Pentachlorophenol	SNL0091284	LWDS-MW1	89	23-AUG-92	8270	1600	U	1600	D
Pentachlorophenol	SNL0091282	LWDS-MW1	89	23-AUG-92	8270	1600	U	1600	F
Pentachlorophenol	SNL0091286	LWDS-MW1	102	24-AUG-92	8270	1600	U	1600	F
Pentachlorophenol	SNL0091290	LWDS-MW1	110	24-AUG-92	8270	1600	U	1600	F
Pentachlorophenol	SNL0091288	LWDS-MW1	110	24-AUG-92	8270	1600	U	1600	F
Pentachlorophenol	SNL0091295	LWDS-MW1	120	25-AUG-92	8270	1600	U	1600	F
Pentachlorophenol	SNL0091297	LWDS-MW1	130	25-AUG-92	8270	1600	U	1600	F
Pentachlorophenol	SNL0091583	LWDS-MW1	143	02-SEP-92	8270	1600	U	1600	F
Pentachlorophenol	SNL0091585	LWDS-MW1	150	02-SEP-92	8270	1600	U	1600	F
Pentachlorophenol	SNL0092988	LWDS-MW1	176	06-APR-93	8270	1600	U	1600	F
Pentachlorophenol	SNL0092998	LWDS-MW1	202	08-APR-93	8270	1600	U	1600	F
Pentachlorophenol	SNL0093012	LWDS-MW1	226	13-APR-93	8270	1600	U	1600	F
Pentachlorophenol	SNL0093022	LWDS-MW1	250	14-APR-93	8270	1600	U	1600	F
Pentachlorophenol	SNL0093034	LWDS-MW1	274	15-APR-93	8270	1600	U	1600	F
Pentachlorophenol	SNL0093054	LWDS-MW1	315	17-APR-93	8270	1600	U	1600	F
Pentachlorophenol	SNL0093066	LWDS-MW1	346	19-APR-93	8270	1600	U	1600	F
Pentachlorophenol	SNL0093044	LWDS-MW1	346	19-APR-93	8270	1600	U	1600	D
Pentachlorophenol	SNL0093078	LWDS-MW1	390	21-APR-93	8270	1600	U	1600	F
Pentachlorophenol	SNL0093101	LWDS-MW1	444	27-APR-93	8270	1600	U	1600	F
Pentanone, 4-methyl-, 2-	SNL0093572	LWDS-05-BH11	0	20-MAR-94	8240	10	U	10	TB
Pentanone, 4-methyl-, 2-	SNL0093466	LWDS-05-BH12	0	21-MAR-94	8240	10	U	10	TB
Pentanone, 4-methyl-, 2-	SNL0093717	LWDS-05-BH13	0	29-MAR-94	8240	10	U	10	F
Pentanone, 4-methyl-, 2-	SNL0093375	LWDS-05-BH13	0	22-MAR-94	8240	10	U	10	TB
Pentanone, 4-methyl-, 2-	SNL0093655	LWDS-05-BH14	0	23-MAR-94	8240	10	U	10	TB
Pentanone, 4-methyl-, 2-	SNL0093115	LWDS-MW1	0	30-APR-93	8240	10	U	10	F
Pentanone, 4-methyl-, 2-	SNL0093083	LWDS-MW1	0	21-APR-93	8240	10	U	10	F
Pentanone, 4-methyl-, 2-	SNL0091258	LWDS-MW1	12	22-AUG-92	8240	10	U	10	F
Pentanone, 4-methyl-, 2-	SNL0091260	LWDS-MW1	21	22-AUG-92	8240	10	U	10	F
Pentanone, 4-methyl-, 2-	SNL0093467	LWDS-05-BH11	25	20-MAR-94	8240	10	U	10	F
Pentanone, 4-methyl-, 2-	SNL0093377	LWDS-05-BH12	25	21-MAR-94	8240	10	U	10	F
Pentanone, 4-methyl-, 2-	SNL0093287	LWDS-05-BH13	25	22-MAR-94	8240	10	U	10	F
Pentanone, 4-methyl-, 2-	SNL0093673	LWDS-05-BH14	25	23-MAR-94	8240	10	U	10	F
Pentanone, 4-methyl-, 2-	SNL0093475	LWDS-05-BH11	30	20-MAR-94	8240	10	U	10	F
Pentanone, 4-methyl-, 2-	SNL0093385	LWDS-05-BH12	30	21-MAR-94	8240	10	U	10	F
Pentanone, 4-methyl-, 2-	SNL0093295	LWDS-05-BH13	30	22-MAR-94	8240	10	U	10	F
Pentanone, 4-methyl-, 2-	SNL0093677	LWDS-05-BH14	30	23-MAR-94	8240	10	U	10	F

Table A-5: Organics analyses of soil samples from ER Site 5.

Analyte	Sample Number	Sample Location	Sample Depth (Ft)	Sample Date	Analytical Method	Amount Detected (ug/kg)	Qualifier	Method Detection Limit	Sample Type
Pentanone, 4-methyl-, 2-	SNL0091262	LWDS-MW1	30	22-AUG-92	8240	10	U	10	F
Pentanone, 4-methyl-, 2-	SNL0093483	LWDS-05-BH11	32.5	20-MAR-94	8240	10	U	10	F
Pentanone, 4-methyl-, 2-	SNL0093393	LWDS-05-BH12	32.5	21-MAR-94	8240	10	U	10	F
Pentanone, 4-methyl-, 2-	SNL0093303	LWDS-05-BH13	32.5	22-MAR-94	8240	10	U	10	F
Pentanone, 4-methyl-, 2-	SNL0093681	LWDS-05-BH14	32.5	23-MAR-94	8240	10	U	10	F
Pentanone, 4-methyl-, 2-	SNL0093484	LWDS-05-BH11	35	20-MAR-94	8240	10	U	10	F
Pentanone, 4-methyl-, 2-	SNL0093401	LWDS-05-BH12	35	21-MAR-94	8240	10	U	10	F
Pentanone, 4-methyl-, 2-	SNL0093311	LWDS-05-BH13	35	22-MAR-94	8240	10	U	10	F
Pentanone, 4-methyl-, 2-	SNL0093685	LWDS-05-BH14	35	23-MAR-94	8240	10	U	10	F
Pentanone, 4-methyl-, 2-	SNL0093582	LWDS-05-BH11	37.5	20-MAR-94	8240	10	U	10	F
Pentanone, 4-methyl-, 2-	SNL0093409	LWDS-05-BH12	37.5	21-MAR-94	8240	10	U	10	F
Pentanone, 4-methyl-, 2-	SNL0093319	LWDS-05-BH13	37.5	22-MAR-94	8240	10	U	10	F
Pentanone, 4-methyl-, 2-	SNL0093689	LWDS-05-BH14	37.5	23-MAR-94	8240	10	U	10	F
Pentanone, 4-methyl-, 2-	SNL0091264	LWDS-MW1	39	22-AUG-92	8240	10	U	10	F
Pentanone, 4-methyl-, 2-	SNL0093492	LWDS-05-BH11	40	20-MAR-94	8240	10	U	10	F
Pentanone, 4-methyl-, 2-	SNL0093417	LWDS-05-BH12	40	21-MAR-94	8240	10	U	10	F
Pentanone, 4-methyl-, 2-	SNL0093327	LWDS-05-BH13	40	22-MAR-94	8240	10	U	10	F
Pentanone, 4-methyl-, 2-	SNL0093693	LWDS-05-BH14	40	23-MAR-94	8240	10	U	10	F
Pentanone, 4-methyl-, 2-	SNL0093500	LWDS-05-BH11	42.5	20-MAR-94	8240	10	U	10	F
Pentanone, 4-methyl-, 2-	SNL0093508	LWDS-05-BH11	45	20-MAR-94	8240	10	U	10	F
Pentanone, 4-methyl-, 2-	SNL0093425	LWDS-05-BH12	45	21-MAR-94	8240	10	U	10	F
Pentanone, 4-methyl-, 2-	SNL0093335	LWDS-05-BH13	45	22-MAR-94	8240	10	U	10	F
Pentanone, 4-methyl-, 2-	SNL0093626	LWDS-05-BH14	45	23-MAR-94	8240	10	U	10	F
Pentanone, 4-methyl-, 2-	SNL0093516	LWDS-05-BH11	47.5	20-MAR-94	8240	10	U	10	F
Pentanone, 4-methyl-, 2-	SNL0093524	LWDS-05-BH11	50	20-MAR-94	8240	10	U	10	F
Pentanone, 4-methyl-, 2-	SNL0093433	LWDS-05-BH12	50	21-MAR-94	8240	10	U	10	F
Pentanone, 4-methyl-, 2-	SNL0093351	LWDS-05-BH13	50	22-MAR-94	8240	10	U	10	D
Pentanone, 4-methyl-, 2-	SNL0093343	LWDS-05-BH13	50	22-MAR-94	8240	10	U	10	F
Pentanone, 4-methyl-, 2-	SNL0093630	LWDS-05-BH14	50	23-MAR-94	8240	10	U	10	F
Pentanone, 4-methyl-, 2-	SNL0091268	LWDS-MW1	50	22-AUG-92	8240	10	U	10	D
Pentanone, 4-methyl-, 2-	SNL0091266	LWDS-MW1	50	22-AUG-92	8240	10	U	10	F
Pentanone, 4-methyl-, 2-	SNL0093532	LWDS-05-BH11	55	20-MAR-94	8240	10	U	10	F
Pentanone, 4-methyl-, 2-	SNL0093441	LWDS-05-BH12	55	21-MAR-94	8240	10	U	10	F
Pentanone, 4-methyl-, 2-	SNL0093449	LWDS-05-BH12	55	21-MAR-94	8240	10	U	10	D
Pentanone, 4-methyl-, 2-	SNL0093359	LWDS-05-BH13	55	22-MAR-94	8240	10	U	10	F
Pentanone, 4-methyl-, 2-	SNL0093634	LWDS-05-BH14	55	23-MAR-94	8240	10	U	10	F
Pentanone, 4-methyl-, 2-	SNL0093540	LWDS-05-BH11	60	20-MAR-94	8240	10	U	10	F
Pentanone, 4-methyl-, 2-	SNL0093642	LWDS-05-BH14	60	23-MAR-94	8240	10	U	10	D
Pentanone, 4-methyl-, 2-	SNL0093638	LWDS-05-BH14	60	23-MAR-94	8240	10	U	10	F
Pentanone, 4-methyl-, 2-	SNL0091270	LWDS-MW1	60	22-AUG-92	8240	10	U	10	F
Pentanone, 4-methyl-, 2-	SNL0093548	LWDS-05-BH11	65	20-MAR-94	8240	10	U	10	F
Pentanone, 4-methyl-, 2-	SNL0091277	LWDS-MW1	68	23-AUG-92	8240	10	U	10	F
Pentanone, 4-methyl-, 2-	SNL0093564	LWDS-05-BH11	70	20-MAR-94	8240	10	U	10	D
Pentanone, 4-methyl-, 2-	SNL0093556	LWDS-05-BH11	70	20-MAR-94	8240	10	U	10	F
Pentanone, 4-methyl-, 2-	SNL0091279	LWDS-MW1	80	23-AUG-92	8240	10	U	10	F
Pentanone, 4-methyl-, 2-	SNL0091283	LWDS-MW1	89	23-AUG-92	8240	10	U	10	D
Pentanone, 4-methyl-, 2-	SNL0091281	LWDS-MW1	89	23-AUG-92	8240	10	U	10	F
Pentanone, 4-methyl-, 2-	SNL0091285	LWDS-MW1	102	24-AUG-92	8240	10	U	10	F
Pentanone, 4-methyl-, 2-	SNL0091289	LWDS-MW1	110	24-AUG-92	8240	10	U	10	F
Pentanone, 4-methyl-, 2-	SNL0091287	LWDS-MW1	110	24-AUG-92	8240	10	U	10	F
Pentanone, 4-methyl-, 2-	SNL0091294	LWDS-MW1	120	25-AUG-92	8240	10	U	10	F
Pentanone, 4-methyl-, 2-	SNL0091296	LWDS-MW1	130	25-AUG-92	8240	10	U	10	F
Pentanone, 4-methyl-, 2-	SNL0091582	LWDS-MW1	143	02-SEP-92	8240	10	U	10	F
Pentanone, 4-methyl-, 2-	SNL0091584	LWDS-MW1	150	02-SEP-92	8240	10	U	10	F
Pentanone, 4-methyl-, 2-	SNL0092980	LWDS-MW1	176	06-APR-93	8240	10	U	10	F
Pentanone, 4-methyl-, 2-	SNL0092990	LWDS-MW1	202	08-APR-93	8240	10	U	10	F
Pentanone, 4-methyl-, 2-	SNL0093004	LWDS-MW1	226	13-APR-93	8240	10	U	10	F
Pentanone, 4-methyl-, 2-	SNL0093014	LWDS-MW1	250	14-APR-93	8240	10	U	10	F
Pentanone, 4-methyl-, 2-	SNL0093026	LWDS-MW1	274	15-APR-93	8240	10	U	10	F
Pentanone, 4-methyl-, 2-	SNL0093046	LWDS-MW1	315	17-APR-93	8240	10	U	10	F
Pentanone, 4-methyl-, 2-	SNL0093036	LWDS-MW1	346	19-APR-93	8240	10	U	10	D
Pentanone, 4-methyl-, 2-	SNL0093058	LWDS-MW1	346	19-APR-93	8240	10	U	10	F
Pentanone, 4-methyl-, 2-	SNL0093070	LWDS-MW1	390	21-APR-93	8240	10	U	10	F
Pentanone, 4-methyl-, 2-	SNL0093093	LWDS-MW1	444	27-APR-93	8240	10	U	10	F
Phenanthrene	SNL0093720	LWDS-05-BH13	0	29-MAR-94	8270	34	J	330	F
Phenanthrene	SNL0093123	LWDS-MW1	0	30-APR-93	8270	330	U	330	F
Phenanthrene	SNL0093091	LWDS-MW1	0	21-APR-93	8270	330	U	330	F

Table A-5: Organics analyses of soil samples from ER Site 5.

Analyte	Sample Number	Sample Location	Sample Depth (Ft)	Sample Date	Analytical Method	Amount Detected (ug/kg)	Qualifier	Method Detection Limit	Sample Type
Phenanthrene	SNL0091259	LWDS-MW1	12	22-AUG-92	8270	330	U	330	F
Phenanthrene	SNL0091261	LWDS-MW1	21	22-AUG-92	8270	330	U	330	F
Phenanthrene	SNL0093474	LWDS-05-BH11	25	20-MAR-94	8270	330	U	330	F
Phenanthrene	SNL0093384	LWDS-05-BH12	25	21-MAR-94	8270	330	U	330	F
Phenanthrene	SNL0093294	LWDS-05-BH13	25	22-MAR-94	8270	330	U	330	F
Phenanthrene	SNL0093676	LWDS-05-BH14	25	23-MAR-94	8270	330	U	330	F
Phenanthrene	SNL0093482	LWDS-05-BH11	30	20-MAR-94	8270	330	U	330	F
Phenanthrene	SNL0093392	LWDS-05-BH12	30	21-MAR-94	8270	330	U	330	F
Phenanthrene	SNL0093302	LWDS-05-BH13	30	22-MAR-94	8270	330	U	330	F
Phenanthrene	SNL0093680	LWDS-05-BH14	30	23-MAR-94	8270	330	U	330	F
Phenanthrene	SNL0091263	LWDS-MW1	30	22-AUG-92	8270	330	U	330	F
Phenanthrene	SNL0093400	LWDS-05-BH12	32.5	21-MAR-94	8270	330	U	330	F
Phenanthrene	SNL0093310	LWDS-05-BH13	32.5	22-MAR-94	8270	330	U	330	F
Phenanthrene	SNL0093684	LWDS-05-BH14	32.5	23-MAR-94	8270	330	U	330	F
Phenanthrene	SNL0093491	LWDS-05-BH11	35	20-MAR-94	8270	330	U	330	F
Phenanthrene	SNL0093408	LWDS-05-BH12	35	21-MAR-94	8270	330	U	330	F
Phenanthrene	SNL0093318	LWDS-05-BH13	35	22-MAR-94	8270	330	U	330	F
Phenanthrene	SNL0093688	LWDS-05-BH14	35	23-MAR-94	8270	330	U	330	F
Phenanthrene	SNL0093589	LWDS-05-BH11	37.5	20-MAR-94	8270	330	U	330	F
Phenanthrene	SNL0093416	LWDS-05-BH12	37.5	21-MAR-94	8270	330	U	330	F
Phenanthrene	SNL0093326	LWDS-05-BH13	37.5	22-MAR-94	8270	330	U	330	F
Phenanthrene	SNL0093692	LWDS-05-BH14	37.5	23-MAR-94	8270	330	U	330	F
Phenanthrene	SNL0091265	LWDS-MW1	39	22-AUG-92	8270	330	U	330	F
Phenanthrene	SNL0093499	LWDS-05-BH11	40	20-MAR-94	8270	330	U	330	F
Phenanthrene	SNL0093424	LWDS-05-BH12	40	21-MAR-94	8270	330	U	330	F
Phenanthrene	SNL0093334	LWDS-05-BH13	40	22-MAR-94	8270	330	U	330	F
Phenanthrene	SNL0093625	LWDS-05-BH14	40	23-MAR-94	8270	330	U	330	F
Phenanthrene	SNL0093507	LWDS-05-BH11	42.5	20-MAR-94	8270	330	U	330	F
Phenanthrene	SNL0093515	LWDS-05-BH11	45	20-MAR-94	8270	330	U	330	F
Phenanthrene	SNL0093432	LWDS-05-BH12	45	21-MAR-94	8270	330	U	330	F
Phenanthrene	SNL0093342	LWDS-05-BH13	45	22-MAR-94	8270	330	U	330	F
Phenanthrene	SNL0093629	LWDS-05-BH14	45	23-MAR-94	8270	330	U	330	F
Phenanthrene	SNL0093523	LWDS-05-BH11	47.5	20-MAR-94	8270	330	U	330	F
Phenanthrene	SNL0093531	LWDS-05-BH11	50	20-MAR-94	8270	330	U	330	F
Phenanthrene	SNL0093440	LWDS-05-BH12	50	21-MAR-94	8270	330	U	330	F
Phenanthrene	SNL0093350	LWDS-05-BH13	50	22-MAR-94	8270	330	U	330	F
Phenanthrene	SNL0093358	LWDS-05-BH13	50	22-MAR-94	8270	330	U	330	F
Phenanthrene	SNL0093633	LWDS-05-BH14	50	23-MAR-94	8270	330	U	330	F
Phenanthrene	SNL0091269	LWDS-MW1	50	22-AUG-92	8270	330	U	330	D
Phenanthrene	SNL0091267	LWDS-MW1	50	22-AUG-92	8270	330	U	330	F
Phenanthrene	SNL0093539	LWDS-05-BH11	55	20-MAR-94	8270	330	U	330	F
Phenanthrene	SNL0093456	LWDS-05-BH12	55	21-MAR-94	8270	330	U	330	D
Phenanthrene	SNL0093448	LWDS-05-BH12	55	21-MAR-94	8270	330	U	330	F
Phenanthrene	SNL0093366	LWDS-05-BH13	55	22-MAR-94	8270	330	U	330	F
Phenanthrene	SNL0093637	LWDS-05-BH14	55	23-MAR-94	8270	330	U	330	F
Phenanthrene	SNL0093547	LWDS-05-BH11	60	20-MAR-94	8270	330	U	330	F
Phenanthrene	SNL0093641	LWDS-05-BH14	60	23-MAR-94	8270	330	U	330	F
Phenanthrene	SNL0093645	LWDS-05-BH14	60	23-MAR-94	8270	330	U	330	D
Phenanthrene	SNL0091271	LWDS-MW1	60	22-AUG-92	8270	330	U	330	F
Phenanthrene	SNL0093555	LWDS-05-BH11	65	20-MAR-94	8270	330	U	330	F
Phenanthrene	SNL0091278	LWDS-MW1	68	23-AUG-92	8270	330	U	330	F
Phenanthrene	SNL0093571	LWDS-05-BH11	70	20-MAR-94	8270	330	U	330	D
Phenanthrene	SNL0093563	LWDS-05-BH11	70	20-MAR-94	8270	330	U	330	F
Phenanthrene	SNL0091280	LWDS-MW1	80	23-AUG-92	8270	330	U	330	F
Phenanthrene	SNL0091284	LWDS-MW1	89	23-AUG-92	8270	330	U	330	D
Phenanthrene	SNL0091282	LWDS-MW1	89	23-AUG-92	8270	330	U	330	F
Phenanthrene	SNL0091286	LWDS-MW1	102	24-AUG-92	8270	330	U	330	F
Phenanthrene	SNL0091290	LWDS-MW1	110	24-AUG-92	8270	330	U	330	F
Phenanthrene	SNL0091288	LWDS-MW1	110	24-AUG-92	8270	330	U	330	F
Phenanthrene	SNL0091295	LWDS-MW1	120	25-AUG-92	8270	330	U	330	F
Phenanthrene	SNL0091297	LWDS-MW1	130	25-AUG-92	8270	330	U	330	F
Phenanthrene	SNL0091583	LWDS-MW1	143	02-SEP-92	8270	330	U	330	F
Phenanthrene	SNL0091585	LWDS-MW1	150	02-SEP-92	8270	330	U	330	F
Phenanthrene	SNL0092988	LWDS-MW1	176	06-APR-93	8270	330	U	330	F
Phenanthrene	SNL0092998	LWDS-MW1	202	08-APR-93	8270	330	U	330	F
Phenanthrene	SNL0093012	LWDS-MW1	226	13-APR-93	8270	330	U	330	F
Phenanthrene	SNL0093022	LWDS-MW1	250	14-APR-93	8270	330	U	330	F

Table A-5: Organics analyses of soil samples from ER Site 5.

Analyte	Sample Number	Sample Location	Sample Depth (Ft)	Sample Date	Analytical Method	Amount Detected (ug/kg)	Qualifier	Method Detection Limit	Sample Type
Phenanthrene	SNL0093034	LWDS-MW1	274	15-APR-93	8270	330	U	330	F
Phenanthrene	SNL0093054	LWDS-MW1	315	17-APR-93	8270	330	U	330	F
Phenanthrene	SNL0093066	LWDS-MW1	346	19-APR-93	8270	330	U	330	F
Phenanthrene	SNL0093044	LWDS-MW1	346	19-APR-93	8270	330	U	330	D
Phenanthrene	SNL0093078	LWDS-MW1	390	21-APR-93	8270	330	U	330	F
Phenanthrene	SNL0093101	LWDS-MW1	444	27-APR-93	8270	330	U	330	F
Phenol	SNL0093720	LWDS-05-BH13	0	29-MAR-94	8270	330	U	330	F
Phenol	SNL0093123	LWDS-MW1	0	30-APR-93	8270	330	U	330	F
Phenol	SNL0093091	LWDS-MW1	0	21-APR-93	8270	330	U	330	F
Phenol	SNL0091259	LWDS-MW1	12	22-AUG-92	8270	330	U	330	F
Phenol	SNL0091261	LWDS-MW1	21	22-AUG-92	8270	330	U	330	F
Phenol	SNL0093474	LWDS-05-BH11	25	20-MAR-94	8270	330	U	330	F
Phenol	SNL0093384	LWDS-05-BH12	25	21-MAR-94	8270	330	U	330	F
Phenol	SNL0093294	LWDS-05-BH13	25	22-MAR-94	8270	330	U	330	F
Phenol	SNL0093676	LWDS-05-BH14	25	23-MAR-94	8270	330	U	330	F
Phenol	SNL0093482	LWDS-05-BH11	30	20-MAR-94	8270	330	U	330	F
Phenol	SNL0093392	LWDS-05-BH12	30	21-MAR-94	8270	330	U	330	F
Phenol	SNL0093302	LWDS-05-BH13	30	22-MAR-94	8270	330	U	330	F
Phenol	SNL0093680	LWDS-05-BH14	30	23-MAR-94	8270	330	U	330	F
Phenol	SNL0091263	LWDS-MW1	30	22-AUG-92	8270	330	U	330	F
Phenol	SNL0093400	LWDS-05-BH12	32.5	21-MAR-94	8270	330	U	330	F
Phenol	SNL0093310	LWDS-05-BH13	32.5	22-MAR-94	8270	330	U	330	F
Phenol	SNL0093684	LWDS-05-BH14	32.5	23-MAR-94	8270	330	U	330	F
Phenol	SNL0093491	LWDS-05-BH11	35	20-MAR-94	8270	330	U	330	F
Phenol	SNL0093408	LWDS-05-BH12	35	21-MAR-94	8270	330	U	330	F
Phenol	SNL0093318	LWDS-05-BH13	35	22-MAR-94	8270	330	U	330	F
Phenol	SNL0093688	LWDS-05-BH14	35	23-MAR-94	8270	330	U	330	F
Phenol	SNL0093589	LWDS-05-BH11	37.5	20-MAR-94	8270	330	U	330	F
Phenol	SNL0093416	LWDS-05-BH12	37.5	21-MAR-94	8270	330	U	330	F
Phenol	SNL0093326	LWDS-05-BH13	37.5	22-MAR-94	8270	330	U	330	F
Phenol	SNL0093692	LWDS-05-BH14	37.5	23-MAR-94	8270	330	U	330	F
Phenol	SNL0091265	LWDS-MW1	39	22-AUG-92	8270	330	U	330	F
Phenol	SNL0093499	LWDS-05-BH11	40	20-MAR-94	8270	330	U	330	F
Phenol	SNL0093424	LWDS-05-BH12	40	21-MAR-94	8270	330	U	330	F
Phenol	SNL0093334	LWDS-05-BH13	40	22-MAR-94	8270	330	U	330	F
Phenol	SNL0093625	LWDS-05-BH14	40	23-MAR-94	8270	330	U	330	F
Phenol	SNL0093507	LWDS-05-BH11	42.5	20-MAR-94	8270	330	U	330	F
Phenol	SNL0093515	LWDS-05-BH11	45	20-MAR-94	8270	330	U	330	F
Phenol	SNL0093432	LWDS-05-BH12	45	21-MAR-94	8270	330	U	330	F
Phenol	SNL0093342	LWDS-05-BH13	45	22-MAR-94	8270	330	U	330	F
Phenol	SNL0093629	LWDS-05-BH14	45	23-MAR-94	8270	330	U	330	F
Phenol	SNL0093523	LWDS-05-BH11	47.5	20-MAR-94	8270	330	U	330	F
Phenol	SNL0093531	LWDS-05-BH11	50	20-MAR-94	8270	330	U	330	F
Phenol	SNL0093440	LWDS-05-BH12	50	21-MAR-94	8270	330	U	330	F
Phenol	SNL0093358	LWDS-05-BH13	50	22-MAR-94	8270	330	U	330	F
Phenol	SNL0093350	LWDS-05-BH13	50	22-MAR-94	8270	330	U	330	F
Phenol	SNL0093633	LWDS-05-BH14	50	23-MAR-94	8270	330	U	330	F
Phenol	SNL0091269	LWDS-MW1	50	22-AUG-92	8270	330	U	330	D
Phenol	SNL0091267	LWDS-MW1	50	22-AUG-92	8270	330	U	330	F
Phenol	SNL0093539	LWDS-05-BH11	55	20-MAR-94	8270	330	U	330	F
Phenol	SNL0093456	LWDS-05-BH12	55	21-MAR-94	8270	330	U	330	D
Phenol	SNL0093448	LWDS-05-BH12	55	21-MAR-94	8270	330	U	330	F
Phenol	SNL0093366	LWDS-05-BH13	55	22-MAR-94	8270	330	U	330	F
Phenol	SNL0093637	LWDS-05-BH14	55	23-MAR-94	8270	330	U	330	F
Phenol	SNL0093547	LWDS-05-BH11	60	20-MAR-94	8270	330	U	330	F
Phenol	SNL0093645	LWDS-05-BH14	60	23-MAR-94	8270	330	U	330	D
Phenol	SNL0093641	LWDS-05-BH14	60	23-MAR-94	8270	330	U	330	F
Phenol	SNL0091271	LWDS-MW1	60	22-AUG-92	8270	330	U	330	F
Phenol	SNL0093555	LWDS-05-BH11	65	20-MAR-94	8270	330	U	330	F
Phenol	SNL0091278	LWDS-MW1	68	23-AUG-92	8270	330	U	330	F
Phenol	SNL0093571	LWDS-05-BH11	70	20-MAR-94	8270	330	U	330	D
Phenol	SNL0093563	LWDS-05-BH11	70	20-MAR-94	8270	330	U	330	F
Phenol	SNL0091280	LWDS-MW1	80	23-AUG-92	8270	330	U	330	F
Phenol	SNL0091284	LWDS-MW1	89	23-AUG-92	8270	330	U	330	D
Phenol	SNL0091282	LWDS-MW1	89	23-AUG-92	8270	330	U	330	F
Phenol	SNL0091286	LWDS-MW1	102	24-AUG-92	8270	330	U	330	F
Phenol	SNL0091290	LWDS-MW1	110	24-AUG-92	8270	330	U	330	F

Table A-5: Organics analyses of soil samples from ER Site 5.

Analyte	Sample Number	Sample Location	Sample Depth (Ft)	Sample Date	Analytical Method	Amount Detected (ug/kg)	Qualifier	Method Detection Limit	Sample Type
Phenol	SNL0091288	LWDS-MW1	110	24-AUG-92	8270	330	U	330	F
Phenol	SNL0091295	LWDS-MW1	120	25-AUG-92	8270	330	U	330	F
Phenol	SNL0091297	LWDS-MW1	130	25-AUG-92	8270	330	U	330	F
Phenol	SNL0091583	LWDS-MW1	143	02-SEP-92	8270	330	U	330	F
Phenol	SNL0091585	LWDS-MW1	150	02-SEP-92	8270	330	U	330	F
Phenol	SNL0092988	LWDS-MW1	176	06-APR-93	8270	330	U	330	F
Phenol	SNL0092998	LWDS-MW1	202	08-APR-93	8270	330	U	330	F
Phenol	SNL0093012	LWDS-MW1	226	13-APR-93	8270	330	U	330	F
Phenol	SNL0093022	LWDS-MW1	250	14-APR-93	8270	330	U	330	F
Phenol	SNL0093034	LWDS-MW1	274	15-APR-93	8270	330	U	330	F
Phenol	SNL0093054	LWDS-MW1	315	17-APR-93	8270	330	U	330	F
Phenol	SNL0093066	LWDS-MW1	346	19-APR-93	8270	330	U	330	F
Phenol	SNL0093044	LWDS-MW1	346	19-APR-93	8270	330	U	330	D
Phenol	SNL0093078	LWDS-MW1	390	21-APR-93	8270	330	U	330	F
Phenol	SNL0093101	LWDS-MW1	444	27-APR-93	8270	330	U	330	F
Pyrene	SNL0093720	LWDS-05-BH13	0	29-MAR-94	8270	330	U	330	F
Pyrene	SNL0093123	LWDS-MW1	0	30-APR-93	8270	330	U	330	F
Pyrene	SNL0093091	LWDS-MW1	0	21-APR-93	8270	330	U	330	F
Pyrene	SNL0091259	LWDS-MW1	12	22-AUG-92	8270	330	U	330	F
Pyrene	SNL0091261	LWDS-MW1	21	22-AUG-92	8270	330	U	330	F
Pyrene	SNL0093474	LWDS-05-BH11	25	20-MAR-94	8270	330	U	330	F
Pyrene	SNL0093384	LWDS-05-BH12	25	21-MAR-94	8270	330	U	330	F
Pyrene	SNL0093294	LWDS-05-BH13	25	22-MAR-94	8270	330	U	330	F
Pyrene	SNL0093676	LWDS-05-BH14	25	23-MAR-94	8270	330	U	330	F
Pyrene	SNL0093482	LWDS-05-BH11	30	20-MAR-94	8270	330	U	330	F
Pyrene	SNL0093392	LWDS-05-BH12	30	21-MAR-94	8270	330	U	330	F
Pyrene	SNL0093302	LWDS-05-BH13	30	22-MAR-94	8270	330	U	330	F
Pyrene	SNL0093680	LWDS-05-BH14	30	23-MAR-94	8270	330	U	330	F
Pyrene	SNL0091263	LWDS-MW1	30	22-AUG-92	8270	330	U	330	F
Pyrene	SNL0093400	LWDS-05-BH12	32.5	21-MAR-94	8270	330	U	330	F
Pyrene	SNL0093310	LWDS-05-BH13	32.5	22-MAR-94	8270	330	U	330	F
Pyrene	SNL0093684	LWDS-05-BH14	32.5	23-MAR-94	8270	330	U	330	F
Pyrene	SNL0093491	LWDS-05-BH11	35	20-MAR-94	8270	330	U	330	F
Pyrene	SNL0093408	LWDS-05-BH12	35	21-MAR-94	8270	330	U	330	F
Pyrene	SNL0093318	LWDS-05-BH13	35	22-MAR-94	8270	330	U	330	F
Pyrene	SNL0093688	LWDS-05-BH14	35	23-MAR-94	8270	330	U	330	F
Pyrene	SNL0093589	LWDS-05-BH11	37.5	20-MAR-94	8270	330	U	330	F
Pyrene	SNL0093416	LWDS-05-BH12	37.5	21-MAR-94	8270	330	U	330	F
Pyrene	SNL0093326	LWDS-05-BH13	37.5	22-MAR-94	8270	330	U	330	F
Pyrene	SNL0093692	LWDS-05-BH14	37.5	23-MAR-94	8270	330	U	330	F
Pyrene	SNL0091265	LWDS-MW1	39	22-AUG-92	8270	330	U	330	F
Pyrene	SNL0093499	LWDS-05-BH11	40	20-MAR-94	8270	330	U	330	F
Pyrene	SNL0093424	LWDS-05-BH12	40	21-MAR-94	8270	330	U	330	F
Pyrene	SNL0093334	LWDS-05-BH13	40	22-MAR-94	8270	330	U	330	F
Pyrene	SNL0093625	LWDS-05-BH14	40	23-MAR-94	8270	330	U	330	F
Pyrene	SNL0093507	LWDS-05-BH11	42.5	20-MAR-94	8270	330	U	330	F
Pyrene	SNL0093515	LWDS-05-BH11	45	20-MAR-94	8270	330	U	330	F
Pyrene	SNL0093432	LWDS-05-BH12	45	21-MAR-94	8270	330	U	330	F
Pyrene	SNL0093342	LWDS-05-BH13	45	22-MAR-94	8270	330	U	330	F
Pyrene	SNL0093629	LWDS-05-BH14	45	23-MAR-94	8270	330	U	330	F
Pyrene	SNL0093523	LWDS-05-BH11	47.5	20-MAR-94	8270	330	U	330	F
Pyrene	SNL0093531	LWDS-05-BH11	50	20-MAR-94	8270	330	U	330	F
Pyrene	SNL0093440	LWDS-05-BH12	50	21-MAR-94	8270	330	U	330	F
Pyrene	SNL0093350	LWDS-05-BH13	50	22-MAR-94	8270	330	U	330	F
Pyrene	SNL0093358	LWDS-05-BH13	50	22-MAR-94	8270	330	U	330	F
Pyrene	SNL0093633	LWDS-05-BH14	50	23-MAR-94	8270	330	U	330	F
Pyrene	SNL0091269	LWDS-MW1	50	22-AUG-92	8270	330	U	330	D
Pyrene	SNL0091267	LWDS-MW1	50	22-AUG-92	8270	330	U	330	F
Pyrene	SNL0093539	LWDS-05-BH11	55	20-MAR-94	8270	330	U	330	F
Pyrene	SNL0093456	LWDS-05-BH12	55	21-MAR-94	8270	330	U	330	D
Pyrene	SNL0093448	LWDS-05-BH12	55	21-MAR-94	8270	330	U	330	F
Pyrene	SNL0093366	LWDS-05-BH13	55	22-MAR-94	8270	330	U	330	F
Pyrene	SNL0093637	LWDS-05-BH14	55	23-MAR-94	8270	330	U	330	F
Pyrene	SNL0093547	LWDS-05-BH11	60	20-MAR-94	8270	330	U	330	F
Pyrene	SNL0093641	LWDS-05-BH14	60	23-MAR-94	8270	330	U	330	F
Pyrene	SNL0093645	LWDS-05-BH14	60	23-MAR-94	8270	330	U	330	D
Pyrene	SNL0091271	LWDS-MW1	60	22-AUG-92	8270	330	U	330	F

Table A-5: Organics analyses of soil samples from ER Site 5.

Analyte	Sample Number	Sample Location	Sample Depth (Ft)	Sample Date	Analytical Method	Amount Detected (ug/kg)	Qualifier	Method Detection Limit	Sample Type
Pyrene	SNL0093555	LWDS-05-BH11	65	20-MAR-94	8270	330	U	330	F
Pyrene	SNL0091278	LWDS-MW1	68	23-AUG-92	8270	330	U	330	F
Pyrene	SNL0093571	LWDS-05-BH11	70	20-MAR-94	8270	330	U	330	D
Pyrene	SNL0093563	LWDS-05-BH11	70	20-MAR-94	8270	330	U	330	F
Pyrene	SNL0091280	LWDS-MW1	80	23-AUG-92	8270	330	U	330	F
Pyrene	SNL0091284	LWDS-MW1	89	23-AUG-92	8270	330	U	330	D
Pyrene	SNL0091282	LWDS-MW1	89	23-AUG-92	8270	330	U	330	F
Pyrene	SNL0091286	LWDS-MW1	102	24-AUG-92	8270	330	U	330	F
Pyrene	SNL0091290	LWDS-MW1	110	24-AUG-92	8270	330	U	330	F
Pyrene	SNL0091288	LWDS-MW1	110	24-AUG-92	8270	330	U	330	F
Pyrene	SNL0091295	LWDS-MW1	120	25-AUG-92	8270	330	U	330	F
Pyrene	SNL0091297	LWDS-MW1	130	25-AUG-92	8270	330	U	330	F
Pyrene	SNL0091583	LWDS-MW1	143	02-SEP-92	8270	330	U	330	F
Pyrene	SNL0091585	LWDS-MW1	150	02-SEP-92	8270	330	U	330	F
Pyrene	SNL0092988	LWDS-MW1	176	06-APR-93	8270	330	U	330	F
Pyrene	SNL0092998	LWDS-MW1	202	08-APR-93	8270	330	U	330	F
Pyrene	SNL0093012	LWDS-MW1	226	13-APR-93	8270	330	U	330	F
Pyrene	SNL0093022	LWDS-MW1	250	14-APR-93	8270	330	U	330	F
Pyrene	SNL0093034	LWDS-MW1	274	15-APR-93	8270	330	U	330	F
Pyrene	SNL0093054	LWDS-MW1	315	17-APR-93	8270	330	U	330	F
Pyrene	SNL0093066	LWDS-MW1	346	19-APR-93	8270	330	U	330	F
Pyrene	SNL0093044	LWDS-MW1	346	19-APR-93	8270	330	U	330	D
Pyrene	SNL0093078	LWDS-MW1	390	21-APR-93	8270	330	U	330	F
Pyrene	SNL0093101	LWDS-MW1	444	27-APR-93	8270	330	U	330	F
Styrene	SNL0093572	LWDS-05-BH11	0	20-MAR-94	8240	5	U	5	TB
Styrene	SNL0093466	LWDS-05-BH12	0	21-MAR-94	8240	5	U	5	TB
Styrene	SNL0093717	LWDS-05-BH13	0	29-MAR-94	8240	5	U	5	F
Styrene	SNL0093375	LWDS-05-BH13	0	22-MAR-94	8240	5	U	5	TB
Styrene	SNL0093655	LWDS-05-BH14	0	23-MAR-94	8240	5	U	5	TB
Styrene	SNL0093083	LWDS-MW1	0	21-APR-93	8240	5	U	5	F
Styrene	SNL0093115	LWDS-MW1	0	30-APR-93	8240	5	U	5	F
Styrene	SNL0091258	LWDS-MW1	12	22-AUG-92	8240	5	U	5	F
Styrene	SNL0091260	LWDS-MW1	21	22-AUG-92	8240	5	U	5	F
Styrene	SNL0093467	LWDS-05-BH11	25	20-MAR-94	8240	5	U	5	F
Styrene	SNL0093377	LWDS-05-BH12	25	21-MAR-94	8240	5	U	5	F
Styrene	SNL0093287	LWDS-05-BH13	25	22-MAR-94	8240	5	U	5	F
Styrene	SNL0093673	LWDS-05-BH14	25	23-MAR-94	8240	5	U	5	F
Styrene	SNL0093475	LWDS-05-BH11	30	20-MAR-94	8240	5	U	5	F
Styrene	SNL0093385	LWDS-05-BH12	30	21-MAR-94	8240	5	U	5	F
Styrene	SNL0093295	LWDS-05-BH13	30	22-MAR-94	8240	5	U	5	F
Styrene	SNL0093677	LWDS-05-BH14	30	23-MAR-94	8240	5	U	5	F
Styrene	SNL0091262	LWDS-MW1	30	22-AUG-92	8240	5	U	5	F
Styrene	SNL0093483	LWDS-05-BH11	32.5	20-MAR-94	8240	5	U	5	F
Styrene	SNL0093393	LWDS-05-BH12	32.5	21-MAR-94	8240	5	U	5	F
Styrene	SNL0093303	LWDS-05-BH13	32.5	22-MAR-94	8240	5	U	5	F
Styrene	SNL0093681	LWDS-05-BH14	32.5	23-MAR-94	8240	5	U	5	F
Styrene	SNL0093484	LWDS-05-BH11	35	20-MAR-94	8240	5	U	5	F
Styrene	SNL0093401	LWDS-05-BH12	35	21-MAR-94	8240	5	U	5	F
Styrene	SNL0093311	LWDS-05-BH13	35	22-MAR-94	8240	5	U	5	F
Styrene	SNL0093685	LWDS-05-BH14	35	23-MAR-94	8240	5	U	5	F
Styrene	SNL0093582	LWDS-05-BH11	37.5	20-MAR-94	8240	5	U	5	F
Styrene	SNL0093409	LWDS-05-BH12	37.5	21-MAR-94	8240	5	U	5	F
Styrene	SNL0093319	LWDS-05-BH13	37.5	22-MAR-94	8240	5	U	5	F
Styrene	SNL0093689	LWDS-05-BH14	37.5	23-MAR-94	8240	5	U	5	F
Styrene	SNL0091264	LWDS-MW1	39	22-AUG-92	8240	5	U	5	F
Styrene	SNL0093492	LWDS-05-BH11	40	20-MAR-94	8240	5	U	5	F
Styrene	SNL0093417	LWDS-05-BH12	40	21-MAR-94	8240	5	U	5	F
Styrene	SNL0093327	LWDS-05-BH13	40	22-MAR-94	8240	5	U	5	F
Styrene	SNL0093693	LWDS-05-BH14	40	23-MAR-94	8240	5	U	5	F
Styrene	SNL0093500	LWDS-05-BH11	42.5	20-MAR-94	8240	5	U	5	F
Styrene	SNL0093508	LWDS-05-BH11	45	20-MAR-94	8240	5	U	5	F
Styrene	SNL0093425	LWDS-05-BH12	45	21-MAR-94	8240	5	U	5	F
Styrene	SNL0093335	LWDS-05-BH13	45	22-MAR-94	8240	5	U	5	F
Styrene	SNL0093626	LWDS-05-BH14	45	23-MAR-94	8240	5	U	5	F
Styrene	SNL0093516	LWDS-05-BH11	47.5	20-MAR-94	8240	5	U	5	F
Styrene	SNL0093524	LWDS-05-BH11	50	20-MAR-94	8240	5	U	5	F
Styrene	SNL0093433	LWDS-05-BH12	50	21-MAR-94	8240	5	U	5	F

Table A-5: Organics analyses of soil samples from ER Site 5.

Analyte	Sample Number	Sample Location	Sample Depth (Ft)	Sample Date	Analytical Method	Amount Detected (ug/kg)	Qualifier	Method Detection Limit	Sample Type
Styrene	SNL0093351	LWDS-05-BH13	50	22-MAR-94	8240	5	U	5	D
Styrene	SNL0093343	LWDS-05-BH13	50	22-MAR-94	8240	5	U	5	F
Styrene	SNL0093630	LWDS-05-BH14	50	23-MAR-94	8240	5	U	5	F
Styrene	SNL0091268	LWDS-MW1	50	22-AUG-92	8240	5	U	5	D
Styrene	SNL0091266	LWDS-MW1	50	22-AUG-92	8240	5	U	5	F
Styrene	SNL0093532	LWDS-05-BH11	55	20-MAR-94	8240	5	U	5	F
Styrene	SNL0093449	LWDS-05-BH12	55	21-MAR-94	8240	5	U	5	D
Styrene	SNL0093441	LWDS-05-BH12	55	21-MAR-94	8240	5	U	5	F
Styrene	SNL0093359	LWDS-05-BH13	55	22-MAR-94	8240	5	U	5	F
Styrene	SNL0093634	LWDS-05-BH14	55	23-MAR-94	8240	5	U	5	F
Styrene	SNL0093540	LWDS-05-BH11	60	20-MAR-94	8240	5	U	5	F
Styrene	SNL0093638	LWDS-05-BH14	60	23-MAR-94	8240	5	U	5	F
Styrene	SNL0093642	LWDS-05-BH14	60	23-MAR-94	8240	5	U	5	D
Styrene	SNL0091270	LWDS-MW1	60	22-AUG-92	8240	5	U	5	F
Styrene	SNL0093548	LWDS-05-BH11	65	20-MAR-94	8240	5	U	5	F
Styrene	SNL0091277	LWDS-MW1	68	23-AUG-92	8240	5	U	5	F
Styrene	SNL0093564	LWDS-05-BH11	70	20-MAR-94	8240	5	U	5	D
Styrene	SNL0093556	LWDS-05-BH11	70	20-MAR-94	8240	5	U	5	F
Styrene	SNL0091279	LWDS-MW1	80	23-AUG-92	8240	5	U	5	F
Styrene	SNL0091283	LWDS-MW1	89	23-AUG-92	8240	5	U	5	D
Styrene	SNL0091281	LWDS-MW1	89	23-AUG-92	8240	5	U	5	F
Styrene	SNL0091285	LWDS-MW1	102	24-AUG-92	8240	5	U	5	F
Styrene	SNL0091289	LWDS-MW1	110	24-AUG-92	8240	5	U	5	F
Styrene	SNL0091287	LWDS-MW1	110	24-AUG-92	8240	5	U	5	F
Styrene	SNL0091294	LWDS-MW1	120	25-AUG-92	8240	5	U	5	F
Styrene	SNL0091296	LWDS-MW1	130	25-AUG-92	8240	5	U	5	F
Styrene	SNL0091582	LWDS-MW1	143	02-SEP-92	8240	5	U	5	F
Styrene	SNL0091584	LWDS-MW1	150	02-SEP-92	8240	5	U	5	F
Styrene	SNL0092980	LWDS-MW1	176	06-APR-93	8240	5	U	5	F
Styrene	SNL0092990	LWDS-MW1	202	08-APR-93	8240	5	U	5	F
Styrene	SNL0093004	LWDS-MW1	226	13-APR-93	8240	5	U	5	F
Styrene	SNL0093014	LWDS-MW1	250	14-APR-93	8240	5	U	5	F
Styrene	SNL0093026	LWDS-MW1	274	15-APR-93	8240	5	U	5	F
Styrene	SNL0093046	LWDS-MW1	315	17-APR-93	8240	5	U	5	F
Styrene	SNL0093058	LWDS-MW1	346	19-APR-93	8240	5	U	5	F
Styrene	SNL0093036	LWDS-MW1	346	19-APR-93	8240	5	U	5	D
Styrene	SNL0093070	LWDS-MW1	390	21-APR-93	8240	5	U	5	F
Styrene	SNL0093093	LWDS-MW1	444	27-APR-93	8240	5	U	5	F
Tetrachloroethane, 1,1,2,2-	SNL0093572	LWDS-05-BH11	0	20-MAR-94	8240	5	U	5	TB
Tetrachloroethane, 1,1,2,2-	SNL0093466	LWDS-05-BH12	0	21-MAR-94	8240	5	U	5	TB
Tetrachloroethane, 1,1,2,2-	SNL0093717	LWDS-05-BH13	0	29-MAR-94	8240	5	U	5	F
Tetrachloroethane, 1,1,2,2-	SNL0093375	LWDS-05-BH13	0	22-MAR-94	8240	5	U	5	TB
Tetrachloroethane, 1,1,2,2-	SNL0093655	LWDS-05-BH14	0	23-MAR-94	8240	5	U	5	TB
Tetrachloroethane, 1,1,2,2-	SNL0093083	LWDS-MW1	0	21-APR-93	8240	5	U	5	F
Tetrachloroethane, 1,1,2,2-	SNL0093115	LWDS-MW1	0	30-APR-93	8240	5	U	5	F
Tetrachloroethane, 1,1,2,2-	SNL0091258	LWDS-MW1	12	22-AUG-92	8240	5	U	5	F
Tetrachloroethane, 1,1,2,2-	SNL0091260	LWDS-MW1	21	22-AUG-92	8240	5	U	5	F
Tetrachloroethane, 1,1,2,2-	SNL0093467	LWDS-05-BH11	25	20-MAR-94	8240	5	U	5	F
Tetrachloroethane, 1,1,2,2-	SNL0093377	LWDS-05-BH12	25	21-MAR-94	8240	5	U	5	F
Tetrachloroethane, 1,1,2,2-	SNL0093287	LWDS-05-BH13	25	22-MAR-94	8240	5	U	5	F
Tetrachloroethane, 1,1,2,2-	SNL0093673	LWDS-05-BH14	25	23-MAR-94	8240	5	U	5	F
Tetrachloroethane, 1,1,2,2-	SNL0093475	LWDS-05-BH11	30	20-MAR-94	8240	5	U	5	F
Tetrachloroethane, 1,1,2,2-	SNL0093385	LWDS-05-BH12	30	21-MAR-94	8240	5	U	5	F
Tetrachloroethane, 1,1,2,2-	SNL0093295	LWDS-05-BH13	30	22-MAR-94	8240	5	U	5	F
Tetrachloroethane, 1,1,2,2-	SNL0093677	LWDS-05-BH14	30	23-MAR-94	8240	5	U	5	F
Tetrachloroethane, 1,1,2,2-	SNL0091262	LWDS-MW1	30	22-AUG-92	8240	5	U	5	F
Tetrachloroethane, 1,1,2,2-	SNL0093483	LWDS-05-BH11	32.5	20-MAR-94	8240	5	U	5	F
Tetrachloroethane, 1,1,2,2-	SNL0093393	LWDS-05-BH12	32.5	21-MAR-94	8240	5	U	5	F
Tetrachloroethane, 1,1,2,2-	SNL0093303	LWDS-05-BH13	32.5	22-MAR-94	8240	5	U	5	F
Tetrachloroethane, 1,1,2,2-	SNL0093681	LWDS-05-BH14	32.5	23-MAR-94	8240	5	U	5	F
Tetrachloroethane, 1,1,2,2-	SNL0093484	LWDS-05-BH11	35	20-MAR-94	8240	5	U	5	F
Tetrachloroethane, 1,1,2,2-	SNL0093401	LWDS-05-BH12	35	21-MAR-94	8240	5	U	5	F
Tetrachloroethane, 1,1,2,2-	SNL0093311	LWDS-05-BH13	35	22-MAR-94	8240	5	U	5	F
Tetrachloroethane, 1,1,2,2-	SNL0093685	LWDS-05-BH14	35	23-MAR-94	8240	5	U	5	F
Tetrachloroethane, 1,1,2,2-	SNL0093582	LWDS-05-BH11	37.5	20-MAR-94	8240	5	U	5	F
Tetrachloroethane, 1,1,2,2-	SNL0093409	LWDS-05-BH12	37.5	21-MAR-94	8240	5	U	5	F
Tetrachloroethane, 1,1,2,2-	SNL0093319	LWDS-05-BH13	37.5	22-MAR-94	8240	5	U	5	F

Table A-5: Organics analyses of soil samples from ER Site 5.

Analyte	Sample Number	Sample Location	Sample Depth (Ft)	Sample Date	Analytical Method	Amount Detected (ug/kg)	Qualifier	Method Detection Limit	Sample Type
Tetrachloroethane, 1,1,2,2-	SNL0093689	LWDS-05-BH14	37.5	23-MAR-94	8240	5	U	5	F
Tetrachloroethane, 1,1,2,2-	SNL0091264	LWDS-MW1	39	22-AUG-92	8240	5	U	5	F
Tetrachloroethane, 1,1,2,2-	SNL0093492	LWDS-05-BH11	40	20-MAR-94	8240	5	U	5	F
Tetrachloroethane, 1,1,2,2-	SNL0093417	LWDS-05-BH12	40	21-MAR-94	8240	5	U	5	F
Tetrachloroethane, 1,1,2,2-	SNL0093327	LWDS-05-BH13	40	22-MAR-94	8240	5	U	5	F
Tetrachloroethane, 1,1,2,2-	SNL0093693	LWDS-05-BH14	40	23-MAR-94	8240	5	U	5	F
Tetrachloroethane, 1,1,2,2-	SNL0093500	LWDS-05-BH11	42.5	20-MAR-94	8240	5	U	5	F
Tetrachloroethane, 1,1,2,2-	SNL0093508	LWDS-05-BH11	45	20-MAR-94	8240	5	U	5	F
Tetrachloroethane, 1,1,2,2-	SNL0093425	LWDS-05-BH12	45	21-MAR-94	8240	5	U	5	F
Tetrachloroethane, 1,1,2,2-	SNL0093335	LWDS-05-BH13	45	22-MAR-94	8240	5	U	5	F
Tetrachloroethane, 1,1,2,2-	SNL0093626	LWDS-05-BH14	45	23-MAR-94	8240	5	U	5	F
Tetrachloroethane, 1,1,2,2-	SNL0093516	LWDS-05-BH11	47.5	20-MAR-94	8240	5	U	5	F
Tetrachloroethane, 1,1,2,2-	SNL0093524	LWDS-05-BH11	50	20-MAR-94	8240	5	U	5	F
Tetrachloroethane, 1,1,2,2-	SNL0093433	LWDS-05-BH12	50	21-MAR-94	8240	5	U	5	F
Tetrachloroethane, 1,1,2,2-	SNL0093351	LWDS-05-BH13	50	22-MAR-94	8240	5	U	5	D
Tetrachloroethane, 1,1,2,2-	SNL0093343	LWDS-05-BH13	50	22-MAR-94	8240	5	U	5	F
Tetrachloroethane, 1,1,2,2-	SNL0093630	LWDS-05-BH14	50	23-MAR-94	8240	5	U	5	F
Tetrachloroethane, 1,1,2,2-	SNL0091268	LWDS-MW1	50	22-AUG-92	8240	5	U	5	D
Tetrachloroethane, 1,1,2,2-	SNL0091266	LWDS-MW1	50	22-AUG-92	8240	5	U	5	F
Tetrachloroethane, 1,1,2,2-	SNL0093532	LWDS-05-BH11	55	20-MAR-94	8240	5	U	5	F
Tetrachloroethane, 1,1,2,2-	SNL0093441	LWDS-05-BH12	55	21-MAR-94	8240	5	U	5	F
Tetrachloroethane, 1,1,2,2-	SNL0093449	LWDS-05-BH12	55	21-MAR-94	8240	5	U	5	D
Tetrachloroethane, 1,1,2,2-	SNL0093359	LWDS-05-BH13	55	22-MAR-94	8240	5	U	5	F
Tetrachloroethane, 1,1,2,2-	SNL0093634	LWDS-05-BH14	55	23-MAR-94	8240	5	U	5	F
Tetrachloroethane, 1,1,2,2-	SNL0093540	LWDS-05-BH11	60	20-MAR-94	8240	5	U	5	F
Tetrachloroethane, 1,1,2,2-	SNL0093638	LWDS-05-BH14	60	23-MAR-94	8240	5	U	5	F
Tetrachloroethane, 1,1,2,2-	SNL0093642	LWDS-05-BH14	60	23-MAR-94	8240	5	U	5	D
Tetrachloroethane, 1,1,2,2-	SNL0091270	LWDS-MW1	60	22-AUG-92	8240	5	U	5	F
Tetrachloroethane, 1,1,2,2-	SNL0093548	LWDS-05-BH11	65	20-MAR-94	8240	5	U	5	F
Tetrachloroethane, 1,1,2,2-	SNL0091277	LWDS-MW1	68	23-AUG-92	8240	5	U	5	F
Tetrachloroethane, 1,1,2,2-	SNL0093564	LWDS-05-BH11	70	20-MAR-94	8240	5	U	5	D
Tetrachloroethane, 1,1,2,2-	SNL0093556	LWDS-05-BH11	70	20-MAR-94	8240	5	U	5	F
Tetrachloroethane, 1,1,2,2-	SNL0091279	LWDS-MW1	80	23-AUG-92	8240	5	U	5	F
Tetrachloroethane, 1,1,2,2-	SNL0091283	LWDS-MW1	89	23-AUG-92	8240	5	U	5	D
Tetrachloroethane, 1,1,2,2-	SNL0091281	LWDS-MW1	89	23-AUG-92	8240	5	U	5	F
Tetrachloroethane, 1,1,2,2-	SNL0091285	LWDS-MW1	102	24-AUG-92	8240	5	U	5	F
Tetrachloroethane, 1,1,2,2-	SNL0091289	LWDS-MW1	110	24-AUG-92	8240	5	U	5	F
Tetrachloroethane, 1,1,2,2-	SNL0091287	LWDS-MW1	110	24-AUG-92	8240	5	U	5	F
Tetrachloroethane, 1,1,2,2-	SNL0091294	LWDS-MW1	120	25-AUG-92	8240	5	U	5	F
Tetrachloroethane, 1,1,2,2-	SNL0091296	LWDS-MW1	130	25-AUG-92	8240	5	U	5	F
Tetrachloroethane, 1,1,2,2-	SNL0091582	LWDS-MW1	143	02-SEP-92	8240	5	U	5	F
Tetrachloroethane, 1,1,2,2-	SNL0091584	LWDS-MW1	150	02-SEP-92	8240	5	U	5	F
Tetrachloroethane, 1,1,2,2-	SNL0092980	LWDS-MW1	176	06-APR-93	8240	5	U	5	F
Tetrachloroethane, 1,1,2,2-	SNL0092990	LWDS-MW1	202	08-APR-93	8240	5	U	5	F
Tetrachloroethane, 1,1,2,2-	SNL0093004	LWDS-MW1	226	13-APR-93	8240	5	U	5	F
Tetrachloroethane, 1,1,2,2-	SNL0093014	LWDS-MW1	250	14-APR-93	8240	5	U	5	F
Tetrachloroethane, 1,1,2,2-	SNL0093026	LWDS-MW1	274	15-APR-93	8240	5	U	5	F
Tetrachloroethane, 1,1,2,2-	SNL0093046	LWDS-MW1	315	17-APR-93	8240	5	U	5	F
Tetrachloroethane, 1,1,2,2-	SNL0093058	LWDS-MW1	346	19-APR-93	8240	5	U	5	F
Tetrachloroethane, 1,1,2,2-	SNL0093036	LWDS-MW1	346	19-APR-93	8240	5	U	5	D
Tetrachloroethane, 1,1,2,2-	SNL0093070	LWDS-MW1	390	21-APR-93	8240	5	U	5	F
Tetrachloroethane, 1,1,2,2-	SNL0093093	LWDS-MW1	444	27-APR-93	8240	5	U	5	F
Tetrachloroethene	SNL0093572	LWDS-05-BH11	0	20-MAR-94	8240	5	U	5	TB
Tetrachloroethene	SNL0093466	LWDS-05-BH12	0	21-MAR-94	8240	5	U	5	TB
Tetrachloroethene	SNL0093717	LWDS-05-BH13	0	29-MAR-94	8240	5	U	5	F
Tetrachloroethene	SNL0093375	LWDS-05-BH13	0	22-MAR-94	8240	5	U	5	TB
Tetrachloroethene	SNL0093655	LWDS-05-BH14	0	23-MAR-94	8240	5	U	5	TB
Tetrachloroethene	SNL0093115	LWDS-MW1	0	30-APR-93	8240	5	U	5	F
Tetrachloroethene	SNL0093083	LWDS-MW1	0	21-APR-93	8240	5	U	5	F
Tetrachloroethene	SNL0091258	LWDS-MW1	12	22-AUG-92	8240	5	U	5	F
Tetrachloroethene	SNL0091260	LWDS-MW1	21	22-AUG-92	8240	5	U	5	F
Tetrachloroethene	SNL0093467	LWDS-05-BH11	25	20-MAR-94	8240	5	U	5	F
Tetrachloroethene	SNL0093377	LWDS-05-BH12	25	21-MAR-94	8240	5	U	5	F
Tetrachloroethene	SNL0093287	LWDS-05-BH13	25	22-MAR-94	8240	5	U	5	F
Tetrachloroethene	SNL0093673	LWDS-05-BH14	25	23-MAR-94	8240	5	U	5	F
Tetrachloroethene	SNL0093475	LWDS-05-BH11	30	20-MAR-94	8240	5	U	5	F
Tetrachloroethene	SNL0093385	LWDS-05-BH12	30	21-MAR-94	8240	5	U	5	F

Table A-5: Organics analyses of soil samples from ER Site 5.

Analyte	Sample Number	Sample Location	Sample Depth (Ft)	Sample Date	Analytical Method	Amount Detected (ug/kg)	Qualifier	Method Detection Limit	Sample Type
Tetrachloroethene	SNL0093295	LWDS-05-BH13	30	22-MAR-94	8240	5	U	5	F
Tetrachloroethene	SNL0093677	LWDS-05-BH14	30	23-MAR-94	8240	5	U	5	F
Tetrachloroethene	SNL0091262	LWDS-MW1	30	22-AUG-92	8240	5	U	5	F
Tetrachloroethene	SNL0093483	LWDS-05-BH11	32.5	20-MAR-94	8240	5	U	5	F
Tetrachloroethene	SNL0093393	LWDS-05-BH12	32.5	21-MAR-94	8240	5	U	5	F
Tetrachloroethene	SNL0093303	LWDS-05-BH13	32.5	22-MAR-94	8240	5	U	5	F
Tetrachloroethene	SNL0093681	LWDS-05-BH14	32.5	23-MAR-94	8240	5	U	5	F
Tetrachloroethene	SNL0093484	LWDS-05-BH11	35	20-MAR-94	8240	5	U	5	F
Tetrachloroethene	SNL0093401	LWDS-05-BH12	35	21-MAR-94	8240	5	U	5	F
Tetrachloroethene	SNL0093311	LWDS-05-BH13	35	22-MAR-94	8240	5	U	5	F
Tetrachloroethene	SNL0093685	LWDS-05-BH14	35	23-MAR-94	8240	5	U	5	F
Tetrachloroethene	SNL0093582	LWDS-05-BH11	37.5	20-MAR-94	8240	5	U	5	F
Tetrachloroethene	SNL0093409	LWDS-05-BH12	37.5	21-MAR-94	8240	5	U	5	F
Tetrachloroethene	SNL0093319	LWDS-05-BH13	37.5	22-MAR-94	8240	5	U	5	F
Tetrachloroethene	SNL0093689	LWDS-05-BH14	37.5	23-MAR-94	8240	5	U	5	F
Tetrachloroethene	SNL0091264	LWDS-MW1	39	22-AUG-92	8240	5	U	5	F
Tetrachloroethene	SNL0093492	LWDS-05-BH11	40	20-MAR-94	8240	5	U	5	F
Tetrachloroethene	SNL0093417	LWDS-05-BH12	40	21-MAR-94	8240	5	U	5	F
Tetrachloroethene	SNL0093327	LWDS-05-BH13	40	22-MAR-94	8240	5	U	5	F
Tetrachloroethene	SNL0093693	LWDS-05-BH14	40	23-MAR-94	8240	5	U	5	F
Tetrachloroethene	SNL0093500	LWDS-05-BH11	42.5	20-MAR-94	8240	5	U	5	F
Tetrachloroethene	SNL0093508	LWDS-05-BH11	45	20-MAR-94	8240	5	U	5	F
Tetrachloroethene	SNL0093425	LWDS-05-BH12	45	21-MAR-94	8240	5	U	5	F
Tetrachloroethene	SNL0093335	LWDS-05-BH13	45	22-MAR-94	8240	5	U	5	F
Tetrachloroethene	SNL0093626	LWDS-05-BH14	45	23-MAR-94	8240	5	U	5	F
Tetrachloroethene	SNL0093516	LWDS-05-BH11	47.5	20-MAR-94	8240	5	U	5	F
Tetrachloroethene	SNL0093524	LWDS-05-BH11	50	20-MAR-94	8240	5	U	5	F
Tetrachloroethene	SNL0093433	LWDS-05-BH12	50	21-MAR-94	8240	5	U	5	F
Tetrachloroethene	SNL0093351	LWDS-05-BH13	50	22-MAR-94	8240	5	U	5	D
Tetrachloroethene	SNL0093343	LWDS-05-BH13	50	22-MAR-94	8240	5	U	5	F
Tetrachloroethene	SNL0093630	LWDS-05-BH14	50	23-MAR-94	8240	5	U	5	F
Tetrachloroethene	SNL0091268	LWDS-MW1	50	22-AUG-92	8240	5	U	5	D
Tetrachloroethene	SNL0091266	LWDS-MW1	50	22-AUG-92	8240	5	U	5	F
Tetrachloroethene	SNL0093532	LWDS-05-BH11	55	20-MAR-94	8240	5	U	5	F
Tetrachloroethene	SNL0093449	LWDS-05-BH12	55	21-MAR-94	8240	5	U	5	D
Tetrachloroethene	SNL0093441	LWDS-05-BH12	55	21-MAR-94	8240	5	U	5	F
Tetrachloroethene	SNL0093359	LWDS-05-BH13	55	22-MAR-94	8240	5	U	5	F
Tetrachloroethene	SNL0093634	LWDS-05-BH14	55	23-MAR-94	8240	5	U	5	F
Tetrachloroethene	SNL0093540	LWDS-05-BH11	60	20-MAR-94	8240	5	U	5	F
Tetrachloroethene	SNL0093642	LWDS-05-BH14	60	23-MAR-94	8240	5	U	5	D
Tetrachloroethene	SNL0093638	LWDS-05-BH14	60	23-MAR-94	8240	5	U	5	F
Tetrachloroethene	SNL0091270	LWDS-MW1	60	22-AUG-92	8240	6.2		5	F
Tetrachloroethene	SNL0093548	LWDS-05-BH11	65	20-MAR-94	8240	5	U	5	F
Tetrachloroethene	SNL0091277	LWDS-MW1	68	23-AUG-92	8240	5	U	5	F
Tetrachloroethene	SNL0093556	LWDS-05-BH11	70	20-MAR-94	8240	5	U	5	F
Tetrachloroethene	SNL0093564	LWDS-05-BH11	70	20-MAR-94	8240	5	U	5	D
Tetrachloroethene	SNL0091279	LWDS-MW1	80	23-AUG-92	8240	5	U	5	F
Tetrachloroethene	SNL0091283	LWDS-MW1	89	23-AUG-92	8240	5	U	5	D
Tetrachloroethene	SNL0091281	LWDS-MW1	89	23-AUG-92	8240	5	U	5	F
Tetrachloroethene	SNL0091285	LWDS-MW1	102	24-AUG-92	8240	5	U	5	F
Tetrachloroethene	SNL0091287	LWDS-MW1	110	24-AUG-92	8240	5	U	5	F
Tetrachloroethene	SNL0091289	LWDS-MW1	110	24-AUG-92	8240	5	U	5	F
Tetrachloroethene	SNL0091294	LWDS-MW1	120	25-AUG-92	8240	5	U	5	F
Tetrachloroethene	SNL0091296	LWDS-MW1	130	25-AUG-92	8240	5	U	5	F
Tetrachloroethene	SNL0091582	LWDS-MW1	143	02-SEP-92	8240	5	U	5	F
Tetrachloroethene	SNL0091584	LWDS-MW1	150	02-SEP-92	8240	5	U	5	F
Tetrachloroethene	SNL0092980	LWDS-MW1	176	06-APR-93	8240	5	U	5	F
Tetrachloroethene	SNL0092990	LWDS-MW1	202	08-APR-93	8240	5	U	5	F
Tetrachloroethene	SNL0093004	LWDS-MW1	226	13-APR-93	8240	5	U	5	F
Tetrachloroethene	SNL0093014	LWDS-MW1	250	14-APR-93	8240	5	U	5	F
Tetrachloroethene	SNL0093026	LWDS-MW1	274	15-APR-93	8240	5	U	5	F
Tetrachloroethene	SNL0093046	LWDS-MW1	315	17-APR-93	8240	5	U	5	F
Tetrachloroethene	SNL0093058	LWDS-MW1	346	19-APR-93	8240	5	U	5	F
Tetrachloroethene	SNL0093036	LWDS-MW1	346	19-APR-93	8240	5	U	5	D
Tetrachloroethene	SNL0093070	LWDS-MW1	390	21-APR-93	8240	5	U	5	F
Tetrachloroethene	SNL0093093	LWDS-MW1	444	27-APR-93	8240	5	U	5	F
Toluene	SNL0093572	LWDS-05-BH11	0	20-MAR-94	8240	1.9	J	5	TB

Table A-5: Organics analyses of soil samples from ER Site 5.

Analyte	Sample Number	Sample Location	Sample Depth (Ft)	Sample Date	Analytical Method	Amount Detected (ug/kg)	Qualifier	Method Detection Limit	Sample Type
Toluene	SNL0093466	LWDS-05-BH12	0	21-MAR-94	8240	5	U	5	TB
Toluene	SNL0093717	LWDS-05-BH13	0	29-MAR-94	8240	5	U	5	F
Toluene	SNL0093375	LWDS-05-BH13	0	22-MAR-94	8240	5	U	5	TB
Toluene	SNL0093655	LWDS-05-BH14	0	23-MAR-94	8240	1.9	J	5	TB
Toluene	SNL0093115	LWDS-MW1	0	30-APR-93	8240	5	U	5	F
Toluene	SNL0093083	LWDS-MW1	0	21-APR-93	8240	2.3	J	5	F
Toluene	SNL0091258	LWDS-MW1	12	22-AUG-92	8240	5	U	5	F
Toluene	SNL0091260	LWDS-MW1	21	22-AUG-92	8240	5	U	5	F
Toluene	SNL0093467	LWDS-05-BH11	25	20-MAR-94	8240	5	U	5	F
Toluene	SNL0093377	LWDS-05-BH12	25	21-MAR-94	8240	5	U	5	F
Toluene	SNL0093287	LWDS-05-BH13	25	22-MAR-94	8240	5	U	5	F
Toluene	SNL0093673	LWDS-05-BH14	25	23-MAR-94	8240	5	U	5	F
Toluene	SNL0093475	LWDS-05-BH11	30	20-MAR-94	8240	3.4	J	5	F
Toluene	SNL0093385	LWDS-05-BH12	30	21-MAR-94	8240	5	U	5	F
Toluene	SNL0093295	LWDS-05-BH13	30	22-MAR-94	8240	5	U	5	F
Toluene	SNL0093677	LWDS-05-BH14	30	23-MAR-94	8240	5	U	5	F
Toluene	SNL0091262	LWDS-MW1	30	22-AUG-92	8240	5	U	5	F
Toluene	SNL0093483	LWDS-05-BH11	32.5	20-MAR-94	8240	5	U	5	F
Toluene	SNL0093393	LWDS-05-BH12	32.5	21-MAR-94	8240	5	U	5	F
Toluene	SNL0093303	LWDS-05-BH13	32.5	22-MAR-94	8240	5	U	5	F
Toluene	SNL0093681	LWDS-05-BH14	32.5	23-MAR-94	8240	5	U	5	F
Toluene	SNL0093484	LWDS-05-BH11	35	20-MAR-94	8240	5	U	5	F
Toluene	SNL0093401	LWDS-05-BH12	35	21-MAR-94	8240	5	U	5	F
Toluene	SNL0093311	LWDS-05-BH13	35	22-MAR-94	8240	1.2	J	5	F
Toluene	SNL0093685	LWDS-05-BH14	35	23-MAR-94	8240	5	U	5	F
Toluene	SNL0093582	LWDS-05-BH11	37.5	20-MAR-94	8240	2	J	5	F
Toluene	SNL0093409	LWDS-05-BH12	37.5	21-MAR-94	8240	5	U	5	F
Toluene	SNL0093319	LWDS-05-BH13	37.5	22-MAR-94	8240	5	U	5	F
Toluene	SNL0093689	LWDS-05-BH14	37.5	23-MAR-94	8240	5	U	5	F
Toluene	SNL0091264	LWDS-MW1	39	22-AUG-92	8240	5	U	5	F
Toluene	SNL0093492	LWDS-05-BH11	40	20-MAR-94	8240	5	U	5	F
Toluene	SNL0093417	LWDS-05-BH12	40	21-MAR-94	8240	5	U	5	F
Toluene	SNL0093327	LWDS-05-BH13	40	22-MAR-94	8240	5	U	5	F
Toluene	SNL0093693	LWDS-05-BH14	40	23-MAR-94	8240	3.9	J	5	F
Toluene	SNL0093500	LWDS-05-BH11	42.5	20-MAR-94	8240	5	U	5	F
Toluene	SNL0093508	LWDS-05-BH11	45	20-MAR-94	8240	5	U	5	F
Toluene	SNL0093425	LWDS-05-BH12	45	21-MAR-94	8240	3.2	J	5	F
Toluene	SNL0093335	LWDS-05-BH13	45	22-MAR-94	8240	5	U	5	F
Toluene	SNL0093626	LWDS-05-BH14	45	23-MAR-94	8240	1.6	J	5	F
Toluene	SNL0093516	LWDS-05-BH11	47.5	20-MAR-94	8240	1.8	J	5	F
Toluene	SNL0093524	LWDS-05-BH11	50	20-MAR-94	8240	5	U	5	F
Toluene	SNL0093433	LWDS-05-BH12	50	21-MAR-94	8240	5	U	5	F
Toluene	SNL0093351	LWDS-05-BH13	50	22-MAR-94	8240	5	U	5	D
Toluene	SNL0093343	LWDS-05-BH13	50	22-MAR-94	8240	5	U	5	F
Toluene	SNL0093630	LWDS-05-BH14	50	23-MAR-94	8240	2.7	J	5	F
Toluene	SNL0091268	LWDS-MW1	50	22-AUG-92	8240	5	U	5	D
Toluene	SNL0091266	LWDS-MW1	50	22-AUG-92	8240	5	U	5	F
Toluene	SNL0093532	LWDS-05-BH11	55	20-MAR-94	8240	23		5	F
Toluene	SNL0093449	LWDS-05-BH12	55	21-MAR-94	8240	1.9	J	5	D
Toluene	SNL0093441	LWDS-05-BH12	55	21-MAR-94	8240	1.2	J	5	F
Toluene	SNL0093359	LWDS-05-BH13	55	22-MAR-94	8240	5	U	5	F
Toluene	SNL0093634	LWDS-05-BH14	55	23-MAR-94	8240	5.4		5	F
Toluene	SNL0093540	LWDS-05-BH11	60	20-MAR-94	8240	5.7		5	F
Toluene	SNL0093642	LWDS-05-BH14	60	23-MAR-94	8240	1.6	J	5	D
Toluene	SNL0093638	LWDS-05-BH14	60	23-MAR-94	8240	1.8	J	5	F
Toluene	SNL0091270	LWDS-MW1	60	22-AUG-92	8240	5	U	5	F
Toluene	SNL0093548	LWDS-05-BH11	65	20-MAR-94	8240	51		5	F
Toluene	SNL0091277	LWDS-MW1	68	23-AUG-92	8240	5	U	5	F
Toluene	SNL0093564	LWDS-05-BH11	70	20-MAR-94	8240	5	U	5	D
Toluene	SNL0093556	LWDS-05-BH11	70	20-MAR-94	8240	5	U	5	F
Toluene	SNL0091279	LWDS-MW1	80	23-AUG-92	8240	5	U	5	F
Toluene	SNL0091283	LWDS-MW1	89	23-AUG-92	8240	5	U	5	D
Toluene	SNL0091281	LWDS-MW1	89	23-AUG-92	8240	5	U	5	F
Toluene	SNL0091285	LWDS-MW1	102	24-AUG-92	8240	5	U	5	F
Toluene	SNL0091289	LWDS-MW1	110	24-AUG-92	8240	5	U	5	F
Toluene	SNL0091287	LWDS-MW1	110	24-AUG-92	8240	5	U	5	F
Toluene	SNL0091294	LWDS-MW1	120	25-AUG-92	8240	5	U	5	F

Table A-5: Organics analyses of soil samples from ER Site 5.

Analyte	Sample Number	Sample Location	Sample Depth (Ft)	Sample Date	Analytical Method	Amount Detected (ug/kg)	Qualifier	Method Detection Limit	Sample Type
Toluene	SNL0091296	LWDS-MW1	130	25-AUG-92	8240	5	U	5	F
Toluene	SNL0091582	LWDS-MW1	143	02-SEP-92	8240	5	U	5	F
Toluene	SNL0091584	LWDS-MW1	150	02-SEP-92	8240	5	U	5	F
Toluene	SNL0092980	LWDS-MW1	176	06-APR-93	8240	5	U	5	F
Toluene	SNL0092990	LWDS-MW1	202	08-APR-93	8240	5	U	5	F
Toluene	SNL0093004	LWDS-MW1	226	13-APR-93	8240	5	U	5	F
Toluene	SNL0093014	LWDS-MW1	250	14-APR-93	8240	5	U	5	F
Toluene	SNL0093026	LWDS-MW1	274	15-APR-93	8240	5	U	5	F
Toluene	SNL0093046	LWDS-MW1	315	17-APR-93	8240	5	U	5	F
Toluene	SNL0093058	LWDS-MW1	346	19-APR-93	8240	8		5	F
Toluene	SNL0093036	LWDS-MW1	346	19-APR-93	8240	5	U	5	D
Toluene	SNL0093070	LWDS-MW1	390	21-APR-93	8240	2.5	J	5	F
Toluene	SNL0093093	LWDS-MW1	444	27-APR-93	8240	5	U	5	F
Trichlorobenzene, 1,2,4-	SNL0093720	LWDS-05-BH13	0	29-MAR-94	8270	330	U	330	F
Trichlorobenzene, 1,2,4-	SNL0093123	LWDS-MW1	0	30-APR-93	8270	330	U	330	F
Trichlorobenzene, 1,2,4-	SNL0093091	LWDS-MW1	0	21-APR-93	8270	330	U	330	F
Trichlorobenzene, 1,2,4-	SNL0091259	LWDS-MW1	12	22-AUG-92	8270	330	U	330	F
Trichlorobenzene, 1,2,4-	SNL0091261	LWDS-MW1	21	22-AUG-92	8270	330	U	330	F
Trichlorobenzene, 1,2,4-	SNL0093474	LWDS-05-BH11	25	20-MAR-94	8270	330	U	330	F
Trichlorobenzene, 1,2,4-	SNL0093384	LWDS-05-BH12	25	21-MAR-94	8270	330	U	330	F
Trichlorobenzene, 1,2,4-	SNL0093294	LWDS-05-BH13	25	22-MAR-94	8270	330	U	330	F
Trichlorobenzene, 1,2,4-	SNL0093676	LWDS-05-BH14	25	23-MAR-94	8270	330	U	330	F
Trichlorobenzene, 1,2,4-	SNL0093482	LWDS-05-BH11	30	20-MAR-94	8270	330	U	330	F
Trichlorobenzene, 1,2,4-	SNL0093392	LWDS-05-BH12	30	21-MAR-94	8270	330	U	330	F
Trichlorobenzene, 1,2,4-	SNL0093302	LWDS-05-BH13	30	22-MAR-94	8270	330	U	330	F
Trichlorobenzene, 1,2,4-	SNL0093680	LWDS-05-BH14	30	23-MAR-94	8270	330	U	330	F
Trichlorobenzene, 1,2,4-	SNL0091263	LWDS-MW1	30	22-AUG-92	8270	330	U	330	F
Trichlorobenzene, 1,2,4-	SNL0093400	LWDS-05-BH12	32.5	21-MAR-94	8270	330	U	330	F
Trichlorobenzene, 1,2,4-	SNL0093310	LWDS-05-BH13	32.5	22-MAR-94	8270	330	U	330	F
Trichlorobenzene, 1,2,4-	SNL0093684	LWDS-05-BH14	32.5	23-MAR-94	8270	330	U	330	F
Trichlorobenzene, 1,2,4-	SNL0093491	LWDS-05-BH11	35	20-MAR-94	8270	330	U	330	F
Trichlorobenzene, 1,2,4-	SNL0093408	LWDS-05-BH12	35	21-MAR-94	8270	330	U	330	F
Trichlorobenzene, 1,2,4-	SNL0093318	LWDS-05-BH13	35	22-MAR-94	8270	330	U	330	F
Trichlorobenzene, 1,2,4-	SNL0093688	LWDS-05-BH14	35	23-MAR-94	8270	330	U	330	F
Trichlorobenzene, 1,2,4-	SNL0093589	LWDS-05-BH11	37.5	20-MAR-94	8270	330	U	330	F
Trichlorobenzene, 1,2,4-	SNL0093416	LWDS-05-BH12	37.5	21-MAR-94	8270	330	U	330	F
Trichlorobenzene, 1,2,4-	SNL0093326	LWDS-05-BH13	37.5	22-MAR-94	8270	330	U	330	F
Trichlorobenzene, 1,2,4-	SNL0093692	LWDS-05-BH14	37.5	23-MAR-94	8270	330	U	330	F
Trichlorobenzene, 1,2,4-	SNL0091265	LWDS-MW1	39	22-AUG-92	8270	330	U	330	F
Trichlorobenzene, 1,2,4-	SNL0093499	LWDS-05-BH11	40	20-MAR-94	8270	330	U	330	F
Trichlorobenzene, 1,2,4-	SNL0093424	LWDS-05-BH12	40	21-MAR-94	8270	330	U	330	F
Trichlorobenzene, 1,2,4-	SNL0093334	LWDS-05-BH13	40	22-MAR-94	8270	330	U	330	F
Trichlorobenzene, 1,2,4-	SNL0093625	LWDS-05-BH14	40	23-MAR-94	8270	330	U	330	F
Trichlorobenzene, 1,2,4-	SNL0093507	LWDS-05-BH11	42.5	20-MAR-94	8270	330	U	330	F
Trichlorobenzene, 1,2,4-	SNL0093515	LWDS-05-BH11	45	20-MAR-94	8270	330	U	330	F
Trichlorobenzene, 1,2,4-	SNL0093432	LWDS-05-BH12	45	21-MAR-94	8270	330	U	330	F
Trichlorobenzene, 1,2,4-	SNL0093342	LWDS-05-BH13	45	22-MAR-94	8270	330	U	330	F
Trichlorobenzene, 1,2,4-	SNL0093629	LWDS-05-BH14	45	23-MAR-94	8270	330	U	330	F
Trichlorobenzene, 1,2,4-	SNL0093523	LWDS-05-BH11	47.5	20-MAR-94	8270	330	U	330	F
Trichlorobenzene, 1,2,4-	SNL0093531	LWDS-05-BH11	50	20-MAR-94	8270	330	U	330	F
Trichlorobenzene, 1,2,4-	SNL0093440	LWDS-05-BH12	50	21-MAR-94	8270	330	U	330	F
Trichlorobenzene, 1,2,4-	SNL0093350	LWDS-05-BH13	50	22-MAR-94	8270	330	U	330	F
Trichlorobenzene, 1,2,4-	SNL0093358	LWDS-05-BH13	50	22-MAR-94	8270	330	U	330	F
Trichlorobenzene, 1,2,4-	SNL0093633	LWDS-05-BH14	50	23-MAR-94	8270	330	U	330	F
Trichlorobenzene, 1,2,4-	SNL0091269	LWDS-MW1	50	22-AUG-92	8270	330	U	330	D
Trichlorobenzene, 1,2,4-	SNL0091267	LWDS-MW1	50	22-AUG-92	8270	330	U	330	F
Trichlorobenzene, 1,2,4-	SNL0093539	LWDS-05-BH11	55	20-MAR-94	8270	330	U	330	F
Trichlorobenzene, 1,2,4-	SNL0093456	LWDS-05-BH12	55	21-MAR-94	8270	330	U	330	D
Trichlorobenzene, 1,2,4-	SNL0093448	LWDS-05-BH12	55	21-MAR-94	8270	330	U	330	F
Trichlorobenzene, 1,2,4-	SNL0093366	LWDS-05-BH13	55	22-MAR-94	8270	330	U	330	F
Trichlorobenzene, 1,2,4-	SNL0093637	LWDS-05-BH14	55	23-MAR-94	8270	330	U	330	F
Trichlorobenzene, 1,2,4-	SNL0093547	LWDS-05-BH11	60	20-MAR-94	8270	330	U	330	F
Trichlorobenzene, 1,2,4-	SNL0093645	LWDS-05-BH14	60	23-MAR-94	8270	330	U	330	D
Trichlorobenzene, 1,2,4-	SNL0093641	LWDS-05-BH14	60	23-MAR-94	8270	330	U	330	F
Trichlorobenzene, 1,2,4-	SNL0091271	LWDS-MW1	60	22-AUG-92	8270	330	U	330	F
Trichlorobenzene, 1,2,4-	SNL0093555	LWDS-05-BH11	65	20-MAR-94	8270	330	U	330	F
Trichlorobenzene, 1,2,4-	SNL0091278	LWDS-MW1	68	23-AUG-92	8270	330	U	330	F

Table A-5: Organics analyses of soil samples from ER Site 5.

Analyte	Sample Number	Sample Location	Sample Depth (Ft)	Sample Date	Analytical Method	Amount Detected (ug/kg)	Qualifier	Method Detection Limit	Sample Type
Trichlorobenzene, 1,2,4-	SNL0093571	LWDS-05-BH11	70	20-MAR-94	8270	330	U	330	D
Trichlorobenzene, 1,2,4-	SNL0093563	LWDS-05-BH11	70	20-MAR-94	8270	330	U	330	F
Trichlorobenzene, 1,2,4-	SNL0091280	LWDS-MW1	80	23-AUG-92	8270	330	U	330	F
Trichlorobenzene, 1,2,4-	SNL0091284	LWDS-MW1	89	23-AUG-92	8270	330	U	330	D
Trichlorobenzene, 1,2,4-	SNL0091282	LWDS-MW1	89	23-AUG-92	8270	330	U	330	F
Trichlorobenzene, 1,2,4-	SNL0091286	LWDS-MW1	102	24-AUG-92	8270	330	U	330	F
Trichlorobenzene, 1,2,4-	SNL0091290	LWDS-MW1	110	24-AUG-92	8270	330	U	330	F
Trichlorobenzene, 1,2,4-	SNL0091288	LWDS-MW1	110	24-AUG-92	8270	330	U	330	F
Trichlorobenzene, 1,2,4-	SNL0091295	LWDS-MW1	120	25-AUG-92	8270	330	U	330	F
Trichlorobenzene, 1,2,4-	SNL0091297	LWDS-MW1	130	25-AUG-92	8270	330	U	330	F
Trichlorobenzene, 1,2,4-	SNL0091583	LWDS-MW1	143	02-SEP-92	8270	330	U	330	F
Trichlorobenzene, 1,2,4-	SNL0091585	LWDS-MW1	150	02-SEP-92	8270	330	U	330	F
Trichlorobenzene, 1,2,4-	SNL0092988	LWDS-MW1	176	06-APR-93	8270	330	U	330	F
Trichlorobenzene, 1,2,4-	SNL0092998	LWDS-MW1	202	08-APR-93	8270	330	U	330	F
Trichlorobenzene, 1,2,4-	SNL0093012	LWDS-MW1	226	13-APR-93	8270	330	U	330	F
Trichlorobenzene, 1,2,4-	SNL0093022	LWDS-MW1	250	14-APR-93	8270	330	U	330	F
Trichlorobenzene, 1,2,4-	SNL0093034	LWDS-MW1	274	15-APR-93	8270	330	U	330	F
Trichlorobenzene, 1,2,4-	SNL0093054	LWDS-MW1	315	17-APR-93	8270	330	U	330	F
Trichlorobenzene, 1,2,4-	SNL0093066	LWDS-MW1	346	19-APR-93	8270	330	U	330	F
Trichlorobenzene, 1,2,4-	SNL0093044	LWDS-MW1	346	19-APR-93	8270	330	U	330	D
Trichlorobenzene, 1,2,4-	SNL0093078	LWDS-MW1	390	21-APR-93	8270	330	U	330	F
Trichlorobenzene, 1,2,4-	SNL0093101	LWDS-MW1	444	27-APR-93	8270	330	U	330	F
Trichloroethane, 1,1,1-	SNL0093572	LWDS-05-BH11	0	20-MAR-94	8240	5	U	5	TB
Trichloroethane, 1,1,1-	SNL0093466	LWDS-05-BH12	0	21-MAR-94	8240	5	U	5	TB
Trichloroethane, 1,1,1-	SNL0093717	LWDS-05-BH13	0	29-MAR-94	8240	5	U	5	F
Trichloroethane, 1,1,1-	SNL0093375	LWDS-05-BH13	0	22-MAR-94	8240	5	U	5	TB
Trichloroethane, 1,1,1-	SNL0093655	LWDS-05-BH14	0	23-MAR-94	8240	5	U	5	TB
Trichloroethane, 1,1,1-	SNL0093115	LWDS-MW1	0	30-APR-93	8240	5	U	5	F
Trichloroethane, 1,1,1-	SNL0093083	LWDS-MW1	0	21-APR-93	8240	5	U	5	F
Trichloroethane, 1,1,1-	SNL0091258	LWDS-MW1	12	22-AUG-92	8240	5	U	5	F
Trichloroethane, 1,1,1-	SNL0091260	LWDS-MW1	21	22-AUG-92	8240	5	U	5	F
Trichloroethane, 1,1,1-	SNL0093467	LWDS-05-BH11	25	20-MAR-94	8240	5	U	5	F
Trichloroethane, 1,1,1-	SNL0093377	LWDS-05-BH12	25	21-MAR-94	8240	5	U	5	F
Trichloroethane, 1,1,1-	SNL0093287	LWDS-05-BH13	25	22-MAR-94	8240	5	U	5	F
Trichloroethane, 1,1,1-	SNL0093673	LWDS-05-BH14	25	23-MAR-94	8240	5	U	5	F
Trichloroethane, 1,1,1-	SNL0093475	LWDS-05-BH11	30	20-MAR-94	8240	5	U	5	F
Trichloroethane, 1,1,1-	SNL0093385	LWDS-05-BH12	30	21-MAR-94	8240	5	U	5	F
Trichloroethane, 1,1,1-	SNL0093295	LWDS-05-BH13	30	22-MAR-94	8240	5	U	5	F
Trichloroethane, 1,1,1-	SNL0093677	LWDS-05-BH14	30	23-MAR-94	8240	5	U	5	F
Trichloroethane, 1,1,1-	SNL0091262	LWDS-MW1	30	22-AUG-92	8240	5	U	5	F
Trichloroethane, 1,1,1-	SNL0093483	LWDS-05-BH11	32.5	20-MAR-94	8240	5	U	5	F
Trichloroethane, 1,1,1-	SNL0093393	LWDS-05-BH12	32.5	21-MAR-94	8240	5	U	5	F
Trichloroethane, 1,1,1-	SNL0093303	LWDS-05-BH13	32.5	22-MAR-94	8240	5	U	5	F
Trichloroethane, 1,1,1-	SNL0093681	LWDS-05-BH14	32.5	23-MAR-94	8240	5	U	5	F
Trichloroethane, 1,1,1-	SNL0093484	LWDS-05-BH11	35	20-MAR-94	8240	5	U	5	F
Trichloroethane, 1,1,1-	SNL0093401	LWDS-05-BH12	35	21-MAR-94	8240	5	U	5	F
Trichloroethane, 1,1,1-	SNL0093311	LWDS-05-BH13	35	22-MAR-94	8240	5	U	5	F
Trichloroethane, 1,1,1-	SNL0093685	LWDS-05-BH14	35	23-MAR-94	8240	5	U	5	F
Trichloroethane, 1,1,1-	SNL0093582	LWDS-05-BH11	37.5	20-MAR-94	8240	5	U	5	F
Trichloroethane, 1,1,1-	SNL0093409	LWDS-05-BH12	37.5	21-MAR-94	8240	5	U	5	F
Trichloroethane, 1,1,1-	SNL0093319	LWDS-05-BH13	37.5	22-MAR-94	8240	5	U	5	F
Trichloroethane, 1,1,1-	SNL0093689	LWDS-05-BH14	37.5	23-MAR-94	8240	5	U	5	F
Trichloroethane, 1,1,1-	SNL0091264	LWDS-MW1	39	22-AUG-92	8240	5	U	5	F
Trichloroethane, 1,1,1-	SNL0093492	LWDS-05-BH11	40	20-MAR-94	8240	5	U	5	F
Trichloroethane, 1,1,1-	SNL0093417	LWDS-05-BH12	40	21-MAR-94	8240	5	U	5	F
Trichloroethane, 1,1,1-	SNL0093327	LWDS-05-BH13	40	22-MAR-94	8240	5	U	5	F
Trichloroethane, 1,1,1-	SNL0093693	LWDS-05-BH14	40	23-MAR-94	8240	5	U	5	F
Trichloroethane, 1,1,1-	SNL0093500	LWDS-05-BH11	42.5	20-MAR-94	8240	5	U	5	F
Trichloroethane, 1,1,1-	SNL0093508	LWDS-05-BH11	45	20-MAR-94	8240	5	U	5	F
Trichloroethane, 1,1,1-	SNL0093425	LWDS-05-BH12	45	21-MAR-94	8240	5	U	5	F
Trichloroethane, 1,1,1-	SNL0093335	LWDS-05-BH13	45	22-MAR-94	8240	5	U	5	F
Trichloroethane, 1,1,1-	SNL0093626	LWDS-05-BH14	45	23-MAR-94	8240	5	U	5	F
Trichloroethane, 1,1,1-	SNL0093516	LWDS-05-BH11	47.5	20-MAR-94	8240	5	U	5	F
Trichloroethane, 1,1,1-	SNL0093524	LWDS-05-BH11	50	20-MAR-94	8240	5	U	5	F
Trichloroethane, 1,1,1-	SNL0093433	LWDS-05-BH12	50	21-MAR-94	8240	5	U	5	F
Trichloroethane, 1,1,1-	SNL0093351	LWDS-05-BH13	50	22-MAR-94	8240	5	U	5	D
Trichloroethane, 1,1,1-	SNL0093343	LWDS-05-BH13	50	22-MAR-94	8240	5	U	5	F

Table A-5: Organics analyses of soil samples from ER Site 5.

Analyte	Sample Number	Sample Location	Sample Depth (Ft)	Sample Date	Analytical Method	Amount Detected (ug/kg)	Qualifier	Method Detection Limit	Sample Type
Trichloroethane, 1,1,1-	SNL0093630	LWDS-05-BH14	50	23-MAR-94	8240	5	U	5	F
Trichloroethane, 1,1,1-	SNL0091268	LWDS-MW1	50	22-AUG-92	8240	5	U	5	D
Trichloroethane, 1,1,1-	SNL0091266	LWDS-MW1	50	22-AUG-92	8240	5	U	5	F
Trichloroethane, 1,1,1-	SNL0093532	LWDS-05-BH11	55	20-MAR-94	8240	5	U	5	F
Trichloroethane, 1,1,1-	SNL0093449	LWDS-05-BH12	55	21-MAR-94	8240	5	U	5	D
Trichloroethane, 1,1,1-	SNL0093441	LWDS-05-BH12	55	21-MAR-94	8240	5	U	5	F
Trichloroethane, 1,1,1-	SNL0093359	LWDS-05-BH13	55	22-MAR-94	8240	5	U	5	F
Trichloroethane, 1,1,1-	SNL0093634	LWDS-05-BH14	55	23-MAR-94	8240	5	U	5	F
Trichloroethane, 1,1,1-	SNL0093540	LWDS-05-BH11	60	20-MAR-94	8240	5	U	5	F
Trichloroethane, 1,1,1-	SNL0093642	LWDS-05-BH14	60	23-MAR-94	8240	5	U	5	D
Trichloroethane, 1,1,1-	SNL0093638	LWDS-05-BH14	60	23-MAR-94	8240	5	U	5	F
Trichloroethane, 1,1,1-	SNL0091270	LWDS-MW1	60	22-AUG-92	8240	5	U	5	F
Trichloroethane, 1,1,1-	SNL0093548	LWDS-05-BH11	65	20-MAR-94	8240	5	U	5	F
Trichloroethane, 1,1,1-	SNL0091277	LWDS-MW1	68	23-AUG-92	8240	5	U	5	F
Trichloroethane, 1,1,1-	SNL0093564	LWDS-05-BH11	70	20-MAR-94	8240	5	U	5	D
Trichloroethane, 1,1,1-	SNL0093556	LWDS-05-BH11	70	20-MAR-94	8240	5	U	5	F
Trichloroethane, 1,1,1-	SNL0091279	LWDS-MW1	80	23-AUG-92	8240	5	U	5	F
Trichloroethane, 1,1,1-	SNL0091283	LWDS-MW1	89	23-AUG-92	8240	5	U	5	D
Trichloroethane, 1,1,1-	SNL0091281	LWDS-MW1	89	23-AUG-92	8240	5	U	5	F
Trichloroethane, 1,1,1-	SNL0091285	LWDS-MW1	102	24-AUG-92	8240	5	U	5	F
Trichloroethane, 1,1,1-	SNL0091289	LWDS-MW1	110	24-AUG-92	8240	5	U	5	F
Trichloroethane, 1,1,1-	SNL0091287	LWDS-MW1	110	24-AUG-92	8240	5	U	5	F
Trichloroethane, 1,1,1-	SNL0091294	LWDS-MW1	120	25-AUG-92	8240	5	U	5	F
Trichloroethane, 1,1,1-	SNL0091296	LWDS-MW1	130	25-AUG-92	8240	5	U	5	F
Trichloroethane, 1,1,1-	SNL0091582	LWDS-MW1	143	02-SEP-92	8240	5	U	5	F
Trichloroethane, 1,1,1-	SNL0091584	LWDS-MW1	150	02-SEP-92	8240	5	U	5	F
Trichloroethane, 1,1,1-	SNL0092980	LWDS-MW1	176	06-APR-93	8240	5	U	5	F
Trichloroethane, 1,1,1-	SNL0092990	LWDS-MW1	202	08-APR-93	8240	5	U	5	F
Trichloroethane, 1,1,1-	SNL0093004	LWDS-MW1	226	13-APR-93	8240	5	U	5	F
Trichloroethane, 1,1,1-	SNL0093014	LWDS-MW1	250	14-APR-93	8240	5	U	5	F
Trichloroethane, 1,1,1-	SNL0093026	LWDS-MW1	274	15-APR-93	8240	5	U	5	F
Trichloroethane, 1,1,1-	SNL0093046	LWDS-MW1	315	17-APR-93	8240	5	U	5	F
Trichloroethane, 1,1,1-	SNL0093058	LWDS-MW1	346	19-APR-93	8240	5	U	5	F
Trichloroethane, 1,1,1-	SNL0093036	LWDS-MW1	346	19-APR-93	8240	5	U	5	D
Trichloroethane, 1,1,1-	SNL0093070	LWDS-MW1	390	21-APR-93	8240	5	U	5	F
Trichloroethane, 1,1,1-	SNL0093093	LWDS-MW1	444	27-APR-93	8240	5	U	5	F
Trichloroethane, 1,1,2-	SNL0093572	LWDS-05-BH11	0	20-MAR-94	8240	5	U	5	TB
Trichloroethane, 1,1,2-	SNL0093466	LWDS-05-BH12	0	21-MAR-94	8240	5	U	5	TB
Trichloroethane, 1,1,2-	SNL0093717	LWDS-05-BH13	0	29-MAR-94	8240	5	U	5	F
Trichloroethane, 1,1,2-	SNL0093375	LWDS-05-BH13	0	22-MAR-94	8240	5	U	5	TB
Trichloroethane, 1,1,2-	SNL0093655	LWDS-05-BH14	0	23-MAR-94	8240	5	U	5	TB
Trichloroethane, 1,1,2-	SNL0093115	LWDS-MW1	0	30-APR-93	8240	5	U	5	F
Trichloroethane, 1,1,2-	SNL0093083	LWDS-MW1	0	21-APR-93	8240	5	U	5	F
Trichloroethane, 1,1,2-	SNL0091258	LWDS-MW1	12	22-AUG-92	8240	5	U	5	F
Trichloroethane, 1,1,2-	SNL0091260	LWDS-MW1	21	22-AUG-92	8240	5	U	5	F
Trichloroethane, 1,1,2-	SNL0093467	LWDS-05-BH11	25	20-MAR-94	8240	5	U	5	F
Trichloroethane, 1,1,2-	SNL0093377	LWDS-05-BH12	25	21-MAR-94	8240	5	U	5	F
Trichloroethane, 1,1,2-	SNL0093287	LWDS-05-BH13	25	22-MAR-94	8240	5	U	5	F
Trichloroethane, 1,1,2-	SNL0093673	LWDS-05-BH14	25	23-MAR-94	8240	5	U	5	F
Trichloroethane, 1,1,2-	SNL0093475	LWDS-05-BH11	30	20-MAR-94	8240	5	U	5	F
Trichloroethane, 1,1,2-	SNL0093385	LWDS-05-BH12	30	21-MAR-94	8240	5	U	5	F
Trichloroethane, 1,1,2-	SNL0093295	LWDS-05-BH13	30	22-MAR-94	8240	5	U	5	F
Trichloroethane, 1,1,2-	SNL0093677	LWDS-05-BH14	30	23-MAR-94	8240	5	U	5	F
Trichloroethane, 1,1,2-	SNL0091262	LWDS-MW1	30	22-AUG-92	8240	5	U	5	F
Trichloroethane, 1,1,2-	SNL0093483	LWDS-05-BH11	32.5	20-MAR-94	8240	5	U	5	F
Trichloroethane, 1,1,2-	SNL0093393	LWDS-05-BH12	32.5	21-MAR-94	8240	5	U	5	F
Trichloroethane, 1,1,2-	SNL0093303	LWDS-05-BH13	32.5	22-MAR-94	8240	5	U	5	F
Trichloroethane, 1,1,2-	SNL0093681	LWDS-05-BH14	32.5	23-MAR-94	8240	5	U	5	F
Trichloroethane, 1,1,2-	SNL0093484	LWDS-05-BH11	35	20-MAR-94	8240	5	U	5	F
Trichloroethane, 1,1,2-	SNL0093401	LWDS-05-BH12	35	21-MAR-94	8240	5	U	5	F
Trichloroethane, 1,1,2-	SNL0093311	LWDS-05-BH13	35	22-MAR-94	8240	5	U	5	F
Trichloroethane, 1,1,2-	SNL0093685	LWDS-05-BH14	35	23-MAR-94	8240	5	U	5	F
Trichloroethane, 1,1,2-	SNL0093582	LWDS-05-BH11	37.5	20-MAR-94	8240	5	U	5	F
Trichloroethane, 1,1,2-	SNL0093409	LWDS-05-BH12	37.5	21-MAR-94	8240	5	U	5	F
Trichloroethane, 1,1,2-	SNL0093319	LWDS-05-BH13	37.5	22-MAR-94	8240	5	U	5	F
Trichloroethane, 1,1,2-	SNL0093689	LWDS-05-BH14	37.5	23-MAR-94	8240	5	U	5	F
Trichloroethane, 1,1,2-	SNL0091264	LWDS-MW1	39	22-AUG-92	8240	5	U	5	F

Table A-5: Organics analyses of soil samples from ER Site 5.

Analyte	Sample Number	Sample Location	Sample Depth (Ft)	Sample Date	Analytical Method	Amount Detected (ug/kg)	Qualifier	Method Detection Limit	Sample Type
Trichloroethane, 1,1,2-	SNL0093492	LWDS-05-BH11	40	20-MAR-94	8240	5	U	5	F
Trichloroethane, 1,1,2-	SNL0093417	LWDS-05-BH12	40	21-MAR-94	8240	5	U	5	F
Trichloroethane, 1,1,2-	SNL0093327	LWDS-05-BH13	40	22-MAR-94	8240	5	U	5	F
Trichloroethane, 1,1,2-	SNL0093693	LWDS-05-BH14	40	23-MAR-94	8240	5	U	5	F
Trichloroethane, 1,1,2-	SNL0093500	LWDS-05-BH11	42.5	20-MAR-94	8240	5	U	5	F
Trichloroethane, 1,1,2-	SNL0093508	LWDS-05-BH11	45	20-MAR-94	8240	5	U	5	F
Trichloroethane, 1,1,2-	SNL0093425	LWDS-05-BH12	45	21-MAR-94	8240	5	U	5	F
Trichloroethane, 1,1,2-	SNL0093335	LWDS-05-BH13	45	22-MAR-94	8240	5	U	5	F
Trichloroethane, 1,1,2-	SNL0093626	LWDS-05-BH14	45	23-MAR-94	8240	5	U	5	F
Trichloroethane, 1,1,2-	SNL0093516	LWDS-05-BH11	47.5	20-MAR-94	8240	5	U	5	F
Trichloroethane, 1,1,2-	SNL0093524	LWDS-05-BH11	50	20-MAR-94	8240	5	U	5	F
Trichloroethane, 1,1,2-	SNL0093433	LWDS-05-BH12	50	21-MAR-94	8240	5	U	5	F
Trichloroethane, 1,1,2-	SNL0093351	LWDS-05-BH13	50	22-MAR-94	8240	5	U	5	D
Trichloroethane, 1,1,2-	SNL0093343	LWDS-05-BH13	50	22-MAR-94	8240	5	U	5	F
Trichloroethane, 1,1,2-	SNL0093630	LWDS-05-BH14	50	23-MAR-94	8240	5	U	5	F
Trichloroethane, 1,1,2-	SNL0091268	LWDS-MW1	50	22-AUG-92	8240	5	U	5	D
Trichloroethane, 1,1,2-	SNL0091266	LWDS-MW1	50	22-AUG-92	8240	5	U	5	F
Trichloroethane, 1,1,2-	SNL0093532	LWDS-05-BH11	55	20-MAR-94	8240	5	U	5	F
Trichloroethane, 1,1,2-	SNL0093449	LWDS-05-BH12	55	21-MAR-94	8240	5	U	5	D
Trichloroethane, 1,1,2-	SNL0093441	LWDS-05-BH12	55	21-MAR-94	8240	5	U	5	F
Trichloroethane, 1,1,2-	SNL0093359	LWDS-05-BH13	55	22-MAR-94	8240	5	U	5	F
Trichloroethane, 1,1,2-	SNL0093634	LWDS-05-BH14	55	23-MAR-94	8240	5	U	5	F
Trichloroethane, 1,1,2-	SNL0093540	LWDS-05-BH11	60	20-MAR-94	8240	5	U	5	F
Trichloroethane, 1,1,2-	SNL0093642	LWDS-05-BH14	60	23-MAR-94	8240	5	U	5	D
Trichloroethane, 1,1,2-	SNL0093638	LWDS-05-BH14	60	23-MAR-94	8240	5	U	5	F
Trichloroethane, 1,1,2-	SNL0091270	LWDS-MW1	60	22-AUG-92	8240	5	U	5	F
Trichloroethane, 1,1,2-	SNL0093548	LWDS-05-BH11	65	20-MAR-94	8240	5	U	5	F
Trichloroethane, 1,1,2-	SNL0091277	LWDS-MW1	68	23-AUG-92	8240	5	U	5	F
Trichloroethane, 1,1,2-	SNL0093564	LWDS-05-BH11	70	20-MAR-94	8240	5	U	5	D
Trichloroethane, 1,1,2-	SNL0093556	LWDS-05-BH11	70	20-MAR-94	8240	5	U	5	F
Trichloroethane, 1,1,2-	SNL0091279	LWDS-MW1	80	23-AUG-92	8240	5	U	5	F
Trichloroethane, 1,1,2-	SNL0091283	LWDS-MW1	89	23-AUG-92	8240	5	U	5	D
Trichloroethane, 1,1,2-	SNL0091281	LWDS-MW1	89	23-AUG-92	8240	5	U	5	F
Trichloroethane, 1,1,2-	SNL0091285	LWDS-MW1	102	24-AUG-92	8240	5	U	5	F
Trichloroethane, 1,1,2-	SNL0091289	LWDS-MW1	110	24-AUG-92	8240	5	U	5	F
Trichloroethane, 1,1,2-	SNL0091287	LWDS-MW1	110	24-AUG-92	8240	5	U	5	F
Trichloroethane, 1,1,2-	SNL0091294	LWDS-MW1	120	25-AUG-92	8240	5	U	5	F
Trichloroethane, 1,1,2-	SNL0091296	LWDS-MW1	130	25-AUG-92	8240	5	U	5	F
Trichloroethane, 1,1,2-	SNL0091582	LWDS-MW1	143	02-SEP-92	8240	5	U	5	F
Trichloroethane, 1,1,2-	SNL0091584	LWDS-MW1	150	02-SEP-92	8240	5	U	5	F
Trichloroethane, 1,1,2-	SNL0092980	LWDS-MW1	176	06-APR-93	8240	5	U	5	F
Trichloroethane, 1,1,2-	SNL0092990	LWDS-MW1	202	08-APR-93	8240	5	U	5	F
Trichloroethane, 1,1,2-	SNL0093004	LWDS-MW1	226	13-APR-93	8240	5	U	5	F
Trichloroethane, 1,1,2-	SNL0093014	LWDS-MW1	250	14-APR-93	8240	5	U	5	F
Trichloroethane, 1,1,2-	SNL0093026	LWDS-MW1	274	15-APR-93	8240	5	U	5	F
Trichloroethane, 1,1,2-	SNL0093046	LWDS-MW1	315	17-APR-93	8240	5	U	5	F
Trichloroethane, 1,1,2-	SNL0093058	LWDS-MW1	346	19-APR-93	8240	5	U	5	F
Trichloroethane, 1,1,2-	SNL0093036	LWDS-MW1	346	19-APR-93	8240	5	U	5	D
Trichloroethane, 1,1,2-	SNL0093070	LWDS-MW1	390	21-APR-93	8240	5	U	5	F
Trichloroethane, 1,1,2-	SNL0093093	LWDS-MW1	444	27-APR-93	8240	5	U	5	F
Trichloroethene	SNL0093572	LWDS-05-BH11	0	20-MAR-94	8240	5	U	5	TB
Trichloroethene	SNL0093466	LWDS-05-BH12	0	21-MAR-94	8240	5	U	5	TB
Trichloroethene	SNL0093717	LWDS-05-BH13	0	29-MAR-94	8240	5	U	5	F
Trichloroethene	SNL0093375	LWDS-05-BH13	0	22-MAR-94	8240	5	U	5	TB
Trichloroethene	SNL0093655	LWDS-05-BH14	0	23-MAR-94	8240	5	U	5	TB
Trichloroethene	SNL0093115	LWDS-MW1	0	30-APR-93	8240	5	U	5	F
Trichloroethene	SNL0093083	LWDS-MW1	0	21-APR-93	8240	5	U	5	F
Trichloroethene	SNL0091258	LWDS-MW1	12	22-AUG-92	8240	5	U	5	F
Trichloroethene	SNL0091260	LWDS-MW1	21	22-AUG-92	8240	5	U	5	F
Trichloroethene	SNL0093467	LWDS-05-BH11	25	20-MAR-94	8240	5	U	5	F
Trichloroethene	SNL0093377	LWDS-05-BH12	25	21-MAR-94	8240	5	U	5	F
Trichloroethene	SNL0093287	LWDS-05-BH13	25	22-MAR-94	8240	5	U	5	F
Trichloroethene	SNL0093673	LWDS-05-BH14	25	23-MAR-94	8240	5	U	5	F
Trichloroethene	SNL0093475	LWDS-05-BH11	30	20-MAR-94	8240	5	U	5	F
Trichloroethene	SNL0093385	LWDS-05-BH12	30	21-MAR-94	8240	5	U	5	F
Trichloroethene	SNL0093295	LWDS-05-BH13	30	22-MAR-94	8240	5	U	5	F
Trichloroethene	SNL0093677	LWDS-05-BH14	30	23-MAR-94	8240	5	U	5	F

Table A-5: Organics analyses of soil samples from ER Site 5.

Analyte	Sample Number	Sample Location	Sample Depth (Ft)	Sample Date	Analytical Method	Amount Detected (ug/kg)	Qualifier	Method Detection Limit	Sample Type
Trichloroethene	SNL0091262	LWDS-MW1	30	22-AUG-92	8240	5	U	5	F
Trichloroethene	SNL0093483	LWDS-05-BH11	32.5	20-MAR-94	8240	5	U	5	F
Trichloroethene	SNL0093393	LWDS-05-BH12	32.5	21-MAR-94	8240	5	U	5	F
Trichloroethene	SNL0093303	LWDS-05-BH13	32.5	22-MAR-94	8240	5	U	5	F
Trichloroethene	SNL0093681	LWDS-05-BH14	32.5	23-MAR-94	8240	5	U	5	F
Trichloroethene	SNL0093484	LWDS-05-BH11	35	20-MAR-94	8240	5	U	5	F
Trichloroethene	SNL0093401	LWDS-05-BH12	35	21-MAR-94	8240	5	U	5	F
Trichloroethene	SNL0093311	LWDS-05-BH13	35	22-MAR-94	8240	5	U	5	F
Trichloroethene	SNL0093685	LWDS-05-BH14	35	23-MAR-94	8240	5	U	5	F
Trichloroethene	SNL0093582	LWDS-05-BH11	37.5	20-MAR-94	8240	5	U	5	F
Trichloroethene	SNL0093409	LWDS-05-BH12	37.5	21-MAR-94	8240	5	U	5	F
Trichloroethene	SNL0093319	LWDS-05-BH13	37.5	22-MAR-94	8240	5	U	5	F
Trichloroethene	SNL0093689	LWDS-05-BH14	37.5	23-MAR-94	8240	5	U	5	F
Trichloroethene	SNL0091264	LWDS-MW1	39	22-AUG-92	8240	5	U	5	F
Trichloroethene	SNL0093492	LWDS-05-BH11	40	20-MAR-94	8240	3.8	J	5	F
Trichloroethene	SNL0093417	LWDS-05-BH12	40	21-MAR-94	8240	5	U	5	F
Trichloroethene	SNL0093327	LWDS-05-BH13	40	22-MAR-94	8240	5	U	5	F
Trichloroethene	SNL0093693	LWDS-05-BH14	40	23-MAR-94	8240	5	U	5	F
Trichloroethene	SNL0093500	LWDS-05-BH11	42.5	20-MAR-94	8240	5	U	5	F
Trichloroethene	SNL0093508	LWDS-05-BH11	45	20-MAR-94	8240	5	U	5	F
Trichloroethene	SNL0093425	LWDS-05-BH12	45	21-MAR-94	8240	5	U	5	F
Trichloroethene	SNL0093335	LWDS-05-BH13	45	22-MAR-94	8240	5	U	5	F
Trichloroethene	SNL0093626	LWDS-05-BH14	45	23-MAR-94	8240	5	U	5	F
Trichloroethene	SNL0093516	LWDS-05-BH11	47.5	20-MAR-94	8240	5	U	5	F
Trichloroethene	SNL0093524	LWDS-05-BH11	50	20-MAR-94	8240	5	U	5	F
Trichloroethene	SNL0093433	LWDS-05-BH12	50	21-MAR-94	8240	5	U	5	F
Trichloroethene	SNL0093351	LWDS-05-BH13	50	22-MAR-94	8240	5	U	5	D
Trichloroethene	SNL0093343	LWDS-05-BH13	50	22-MAR-94	8240	5	U	5	F
Trichloroethene	SNL0093630	LWDS-05-BH14	50	23-MAR-94	8240	5	U	5	F
Trichloroethene	SNL0091268	LWDS-MW1	50	22-AUG-92	8240	5	U	5	D
Trichloroethene	SNL0091266	LWDS-MW1	50	22-AUG-92	8240	5	U	5	F
Trichloroethene	SNL0093532	LWDS-05-BH11	55	20-MAR-94	8240	5	U	5	F
Trichloroethene	SNL0093449	LWDS-05-BH12	55	21-MAR-94	8240	5	U	5	D
Trichloroethene	SNL0093441	LWDS-05-BH12	55	21-MAR-94	8240	5	U	5	F
Trichloroethene	SNL0093359	LWDS-05-BH13	55	22-MAR-94	8240	5	U	5	F
Trichloroethene	SNL0093634	LWDS-05-BH14	55	23-MAR-94	8240	5	U	5	F
Trichloroethene	SNL0093540	LWDS-05-BH11	60	20-MAR-94	8240	5	U	5	F
Trichloroethene	SNL0093642	LWDS-05-BH14	60	23-MAR-94	8240	5	U	5	D
Trichloroethene	SNL0093638	LWDS-05-BH14	60	23-MAR-94	8240	5	U	5	F
Trichloroethene	SNL0091270	LWDS-MW1	60	22-AUG-92	8240	5	U	5	F
Trichloroethene	SNL0093548	LWDS-05-BH11	65	20-MAR-94	8240	5	U	5	F
Trichloroethene	SNL0091277	LWDS-MW1	68	23-AUG-92	8240	5	U	5	F
Trichloroethene	SNL0093564	LWDS-05-BH11	70	20-MAR-94	8240	5	U	5	D
Trichloroethene	SNL0093556	LWDS-05-BH11	70	20-MAR-94	8240	5	U	5	F
Trichloroethene	SNL0091279	LWDS-MW1	80	23-AUG-92	8240	5	U	5	F
Trichloroethene	SNL0091283	LWDS-MW1	89	23-AUG-92	8240	5	U	5	D
Trichloroethene	SNL0091281	LWDS-MW1	89	23-AUG-92	8240	5	U	5	F
Trichloroethene	SNL0091285	LWDS-MW1	102	24-AUG-92	8240	5	U	5	F
Trichloroethene	SNL0091289	LWDS-MW1	110	24-AUG-92	8240	5	U	5	F
Trichloroethene	SNL0091287	LWDS-MW1	110	24-AUG-92	8240	5	U	5	F
Trichloroethene	SNL0091294	LWDS-MW1	120	25-AUG-92	8240	5	U	5	F
Trichloroethene	SNL0091296	LWDS-MW1	130	25-AUG-92	8240	5	U	5	F
Trichloroethene	SNL0091582	LWDS-MW1	143	02-SEP-92	8240	5	U	5	F
Trichloroethene	SNL0091584	LWDS-MW1	150	02-SEP-92	8240	5	U	5	F
Trichloroethene	SNL0092980	LWDS-MW1	176	06-APR-93	8240	5	U	5	F
Trichloroethene	SNL0092990	LWDS-MW1	202	08-APR-93	8240	5	U	5	F
Trichloroethene	SNL0093004	LWDS-MW1	226	13-APR-93	8240	5	U	5	F
Trichloroethene	SNL0093014	LWDS-MW1	250	14-APR-93	8240	5	U	5	F
Trichloroethene	SNL0093026	LWDS-MW1	274	15-APR-93	8240	5	U	5	F
Trichloroethene	SNL0093046	LWDS-MW1	315	17-APR-93	8240	5	U	5	F
Trichloroethene	SNL0093058	LWDS-MW1	346	19-APR-93	8240	5	U	5	F
Trichloroethene	SNL0093036	LWDS-MW1	346	19-APR-93	8240	5	U	5	D
Trichloroethene	SNL0093070	LWDS-MW1	390	21-APR-93	8240	5	U	5	F
Trichloroethene	SNL0093093	LWDS-MW1	444	27-APR-93	8240	5	U	5	F
Trichlorophenol, 2,4,5-	SNL0093720	LWDS-05-BH13	0	29-MAR-94	8270	1600	U	1600	F
Trichlorophenol, 2,4,5-	SNL0093123	LWDS-MW1	0	30-APR-93	8270	1600	U	1600	F
Trichlorophenol, 2,4,5-	SNL0093091	LWDS-MW1	0	21-APR-93	8270	1600	U	1600	F

Table A-5: Organics analyses of soil samples from ER Site 5.

Analyte	Sample Number	Sample Location	Sample Depth (Ft)	Sample Date	Analytical Method	Amount Detected (ug/kg)	Qualifier	Method Detection Limit	Sample Type
Trichlorophenol, 2,4,5-	SNL0091259	LWDS-MW1	12	22-AUG-92	8270	1600	U	1600	F
Trichlorophenol, 2,4,5-	SNL0091261	LWDS-MW1	21	22-AUG-92	8270	1600	U	1600	F
Trichlorophenol, 2,4,5-	SNL0093474	LWDS-05-BH11	25	20-MAR-94	8270	1600	U	1600	F
Trichlorophenol, 2,4,5-	SNL0093384	LWDS-05-BH12	25	21-MAR-94	8270	1600	U	1600	F
Trichlorophenol, 2,4,5-	SNL0093294	LWDS-05-BH13	25	22-MAR-94	8270	1600	U	1600	F
Trichlorophenol, 2,4,5-	SNL0093676	LWDS-05-BH14	25	23-MAR-94	8270	1600	U	1600	F
Trichlorophenol, 2,4,5-	SNL0093482	LWDS-05-BH11	30	20-MAR-94	8270	1600	U	1600	F
Trichlorophenol, 2,4,5-	SNL0093392	LWDS-05-BH12	30	21-MAR-94	8270	1600	U	1600	F
Trichlorophenol, 2,4,5-	SNL0093302	LWDS-05-BH13	30	22-MAR-94	8270	1600	U	1600	F
Trichlorophenol, 2,4,5-	SNL0093680	LWDS-05-BH14	30	23-MAR-94	8270	1600	U	1600	F
Trichlorophenol, 2,4,5-	SNL0091263	LWDS-MW1	30	22-AUG-92	8270	1600	U	1600	F
Trichlorophenol, 2,4,5-	SNL0093400	LWDS-05-BH12	32.5	21-MAR-94	8270	1600	U	1600	F
Trichlorophenol, 2,4,5-	SNL0093310	LWDS-05-BH13	32.5	22-MAR-94	8270	1600	U	1600	F
Trichlorophenol, 2,4,5-	SNL0093684	LWDS-05-BH14	32.5	23-MAR-94	8270	1600	U	1600	F
Trichlorophenol, 2,4,5-	SNL0093491	LWDS-05-BH11	35	20-MAR-94	8270	1600	U	1600	F
Trichlorophenol, 2,4,5-	SNL0093408	LWDS-05-BH12	35	21-MAR-94	8270	1600	U	1600	F
Trichlorophenol, 2,4,5-	SNL0093318	LWDS-05-BH13	35	22-MAR-94	8270	1600	U	1600	F
Trichlorophenol, 2,4,5-	SNL0093688	LWDS-05-BH14	35	23-MAR-94	8270	1600	U	1600	F
Trichlorophenol, 2,4,5-	SNL0093589	LWDS-05-BH11	37.5	20-MAR-94	8270	1600	U	1600	F
Trichlorophenol, 2,4,5-	SNL0093416	LWDS-05-BH12	37.5	21-MAR-94	8270	1600	U	1600	F
Trichlorophenol, 2,4,5-	SNL0093326	LWDS-05-BH13	37.5	22-MAR-94	8270	1600	U	1600	F
Trichlorophenol, 2,4,5-	SNL0093692	LWDS-05-BH14	37.5	23-MAR-94	8270	1600	U	1600	F
Trichlorophenol, 2,4,5-	SNL0091265	LWDS-MW1	39	22-AUG-92	8270	1600	U	1600	F
Trichlorophenol, 2,4,5-	SNL0093499	LWDS-05-BH11	40	20-MAR-94	8270	1600	U	1600	F
Trichlorophenol, 2,4,5-	SNL0093424	LWDS-05-BH12	40	21-MAR-94	8270	1600	U	1600	F
Trichlorophenol, 2,4,5-	SNL0093334	LWDS-05-BH13	40	22-MAR-94	8270	1600	U	1600	F
Trichlorophenol, 2,4,5-	SNL0093625	LWDS-05-BH14	40	23-MAR-94	8270	1600	U	1600	F
Trichlorophenol, 2,4,5-	SNL0093507	LWDS-05-BH11	42.5	20-MAR-94	8270	1600	U	1600	F
Trichlorophenol, 2,4,5-	SNL0093515	LWDS-05-BH11	45	20-MAR-94	8270	1600	U	1600	F
Trichlorophenol, 2,4,5-	SNL0093432	LWDS-05-BH12	45	21-MAR-94	8270	1600	U	1600	F
Trichlorophenol, 2,4,5-	SNL0093342	LWDS-05-BH13	45	22-MAR-94	8270	1600	U	1600	F
Trichlorophenol, 2,4,5-	SNL0093629	LWDS-05-BH14	45	23-MAR-94	8270	1600	U	1600	F
Trichlorophenol, 2,4,5-	SNL0093523	LWDS-05-BH11	47.5	20-MAR-94	8270	1600	U	1600	F
Trichlorophenol, 2,4,5-	SNL0093531	LWDS-05-BH11	50	20-MAR-94	8270	1600	U	1600	F
Trichlorophenol, 2,4,5-	SNL0093440	LWDS-05-BH12	50	21-MAR-94	8270	1600	U	1600	F
Trichlorophenol, 2,4,5-	SNL0093350	LWDS-05-BH13	50	22-MAR-94	8270	1600	U	1600	F
Trichlorophenol, 2,4,5-	SNL0093358	LWDS-05-BH13	50	22-MAR-94	8270	1600	U	1600	F
Trichlorophenol, 2,4,5-	SNL0093633	LWDS-05-BH14	50	23-MAR-94	8270	1600	U	1600	F
Trichlorophenol, 2,4,5-	SNL0091269	LWDS-MW1	50	22-AUG-92	8270	1600	U	1600	D
Trichlorophenol, 2,4,5-	SNL0091267	LWDS-MW1	50	22-AUG-92	8270	1600	U	1600	F
Trichlorophenol, 2,4,5-	SNL0093539	LWDS-05-BH11	55	20-MAR-94	8270	1600	U	1600	F
Trichlorophenol, 2,4,5-	SNL0093456	LWDS-05-BH12	55	21-MAR-94	8270	1600	U	1600	D
Trichlorophenol, 2,4,5-	SNL0093448	LWDS-05-BH12	55	21-MAR-94	8270	1600	U	1600	F
Trichlorophenol, 2,4,5-	SNL0093366	LWDS-05-BH13	55	22-MAR-94	8270	1600	U	1600	F
Trichlorophenol, 2,4,5-	SNL0093637	LWDS-05-BH14	55	23-MAR-94	8270	1600	U	1600	F
Trichlorophenol, 2,4,5-	SNL0093547	LWDS-05-BH11	60	20-MAR-94	8270	1600	U	1600	F
Trichlorophenol, 2,4,5-	SNL0093645	LWDS-05-BH14	60	23-MAR-94	8270	1600	U	1600	D
Trichlorophenol, 2,4,5-	SNL0093641	LWDS-05-BH14	60	23-MAR-94	8270	1600	U	1600	F
Trichlorophenol, 2,4,5-	SNL0091271	LWDS-MW1	60	22-AUG-92	8270	1600	U	1600	F
Trichlorophenol, 2,4,5-	SNL0093555	LWDS-05-BH11	65	20-MAR-94	8270	1600	U	1600	F
Trichlorophenol, 2,4,5-	SNL0091278	LWDS-MW1	68	23-AUG-92	8270	1600	U	1600	F
Trichlorophenol, 2,4,5-	SNL0093571	LWDS-05-BH11	70	20-MAR-94	8270	1600	U	1600	D
Trichlorophenol, 2,4,5-	SNL0093563	LWDS-05-BH11	70	20-MAR-94	8270	1600	U	1600	F
Trichlorophenol, 2,4,5-	SNL0091280	LWDS-MW1	80	23-AUG-92	8270	1600	U	1600	F
Trichlorophenol, 2,4,5-	SNL0091284	LWDS-MW1	89	23-AUG-92	8270	1600	U	1600	D
Trichlorophenol, 2,4,5-	SNL0091282	LWDS-MW1	89	23-AUG-92	8270	1600	U	1600	F
Trichlorophenol, 2,4,5-	SNL0091286	LWDS-MW1	102	24-AUG-92	8270	1600	U	1600	F
Trichlorophenol, 2,4,5-	SNL0091288	LWDS-MW1	110	24-AUG-92	8270	1600	U	1600	F
Trichlorophenol, 2,4,5-	SNL0091290	LWDS-MW1	110	24-AUG-92	8270	1600	U	1600	F
Trichlorophenol, 2,4,5-	SNL0091295	LWDS-MW1	120	25-AUG-92	8270	1600	U	1600	F
Trichlorophenol, 2,4,5-	SNL0091297	LWDS-MW1	130	25-AUG-92	8270	1600	U	1600	F
Trichlorophenol, 2,4,5-	SNL0091583	LWDS-MW1	143	02-SEP-92	8270	1600	U	1600	F
Trichlorophenol, 2,4,5-	SNL0091585	LWDS-MW1	150	02-SEP-92	8270	1600	U	1600	F
Trichlorophenol, 2,4,5-	SNL0092988	LWDS-MW1	176	06-APR-93	8270	1600	U	1600	F
Trichlorophenol, 2,4,5-	SNL0092998	LWDS-MW1	202	08-APR-93	8270	1600	U	1600	F
Trichlorophenol, 2,4,5-	SNL0093012	LWDS-MW1	226	13-APR-93	8270	1600	U	1600	F
Trichlorophenol, 2,4,5-	SNL0093022	LWDS-MW1	250	14-APR-93	8270	1600	U	1600	F

Table A-5: Organics analyses of soil samples from ER Site 5.

Analyte	Sample Number	Sample Location	Sample Depth (Ft)	Sample Date	Analytical Method	Amount Detected (ug/kg)	Qualifier	Method Detection Limit	Sample Type
Trichlorophenol, 2,4,5-	SNL0093034	LWDS-MW1	274	15-APR-93	8270	1600	U	1600	F
Trichlorophenol, 2,4,5-	SNL0093054	LWDS-MW1	315	17-APR-93	8270	1600	U	1600	F
Trichlorophenol, 2,4,5-	SNL0093066	LWDS-MW1	346	19-APR-93	8270	1600	U	1600	F
Trichlorophenol, 2,4,5-	SNL0093044	LWDS-MW1	346	19-APR-93	8270	1600	U	1600	D
Trichlorophenol, 2,4,5-	SNL0093078	LWDS-MW1	390	21-APR-93	8270	1600	U	1600	F
Trichlorophenol, 2,4,5-	SNL0093101	LWDS-MW1	444	27-APR-93	8270	1600	U	1600	F
Trichlorophenol, 2,4,6-	SNL0093720	LWDS-05-BH13	0	29-MAR-94	8270	330	U	330	F
Trichlorophenol, 2,4,6-	SNL0093123	LWDS-MW1	0	30-APR-93	8270	330	U	330	F
Trichlorophenol, 2,4,6-	SNL0093091	LWDS-MW1	0	21-APR-93	8270	330	U	330	F
Trichlorophenol, 2,4,6-	SNL0091259	LWDS-MW1	12	22-AUG-92	8270	330	U	330	F
Trichlorophenol, 2,4,6-	SNL0091261	LWDS-MW1	21	22-AUG-92	8270	330	U	330	F
Trichlorophenol, 2,4,6-	SNL0093474	LWDS-05-BH11	25	20-MAR-94	8270	330	U	330	F
Trichlorophenol, 2,4,6-	SNL0093384	LWDS-05-BH12	25	21-MAR-94	8270	330	U	330	F
Trichlorophenol, 2,4,6-	SNL0093294	LWDS-05-BH13	25	22-MAR-94	8270	330	U	330	F
Trichlorophenol, 2,4,6-	SNL0093676	LWDS-05-BH14	25	23-MAR-94	8270	330	U	330	F
Trichlorophenol, 2,4,6-	SNL0093482	LWDS-05-BH11	30	20-MAR-94	8270	330	U	330	F
Trichlorophenol, 2,4,6-	SNL0093392	LWDS-05-BH12	30	21-MAR-94	8270	330	U	330	F
Trichlorophenol, 2,4,6-	SNL0093302	LWDS-05-BH13	30	22-MAR-94	8270	330	U	330	F
Trichlorophenol, 2,4,6-	SNL0093680	LWDS-05-BH14	30	23-MAR-94	8270	330	U	330	F
Trichlorophenol, 2,4,6-	SNL0091263	LWDS-MW1	30	22-AUG-92	8270	330	U	330	F
Trichlorophenol, 2,4,6-	SNL0093400	LWDS-05-BH12	32.5	21-MAR-94	8270	330	U	330	F
Trichlorophenol, 2,4,6-	SNL0093310	LWDS-05-BH13	32.5	22-MAR-94	8270	330	U	330	F
Trichlorophenol, 2,4,6-	SNL0093684	LWDS-05-BH14	32.5	23-MAR-94	8270	330	U	330	F
Trichlorophenol, 2,4,6-	SNL0093491	LWDS-05-BH11	35	20-MAR-94	8270	330	U	330	F
Trichlorophenol, 2,4,6-	SNL0093408	LWDS-05-BH12	35	21-MAR-94	8270	330	U	330	F
Trichlorophenol, 2,4,6-	SNL0093318	LWDS-05-BH13	35	22-MAR-94	8270	330	U	330	F
Trichlorophenol, 2,4,6-	SNL0093688	LWDS-05-BH14	35	23-MAR-94	8270	330	U	330	F
Trichlorophenol, 2,4,6-	SNL0093589	LWDS-05-BH11	37.5	20-MAR-94	8270	330	U	330	F
Trichlorophenol, 2,4,6-	SNL0093416	LWDS-05-BH12	37.5	21-MAR-94	8270	330	U	330	F
Trichlorophenol, 2,4,6-	SNL0093326	LWDS-05-BH13	37.5	22-MAR-94	8270	330	U	330	F
Trichlorophenol, 2,4,6-	SNL0093692	LWDS-05-BH14	37.5	23-MAR-94	8270	330	U	330	F
Trichlorophenol, 2,4,6-	SNL0091265	LWDS-MW1	39	22-AUG-92	8270	330	U	330	F
Trichlorophenol, 2,4,6-	SNL0093499	LWDS-05-BH11	40	20-MAR-94	8270	330	U	330	F
Trichlorophenol, 2,4,6-	SNL0093424	LWDS-05-BH12	40	21-MAR-94	8270	330	U	330	F
Trichlorophenol, 2,4,6-	SNL0093334	LWDS-05-BH13	40	22-MAR-94	8270	330	U	330	F
Trichlorophenol, 2,4,6-	SNL0093625	LWDS-05-BH14	40	23-MAR-94	8270	330	U	330	F
Trichlorophenol, 2,4,6-	SNL0093507	LWDS-05-BH11	42.5	20-MAR-94	8270	330	U	330	F
Trichlorophenol, 2,4,6-	SNL0093515	LWDS-05-BH11	45	20-MAR-94	8270	330	U	330	F
Trichlorophenol, 2,4,6-	SNL0093432	LWDS-05-BH12	45	21-MAR-94	8270	330	U	330	F
Trichlorophenol, 2,4,6-	SNL0093342	LWDS-05-BH13	45	22-MAR-94	8270	330	U	330	F
Trichlorophenol, 2,4,6-	SNL0093629	LWDS-05-BH14	45	23-MAR-94	8270	330	U	330	F
Trichlorophenol, 2,4,6-	SNL0093523	LWDS-05-BH11	47.5	20-MAR-94	8270	330	U	330	F
Trichlorophenol, 2,4,6-	SNL0093531	LWDS-05-BH11	50	20-MAR-94	8270	330	U	330	F
Trichlorophenol, 2,4,6-	SNL0093440	LWDS-05-BH12	50	21-MAR-94	8270	330	U	330	F
Trichlorophenol, 2,4,6-	SNL0093350	LWDS-05-BH13	50	22-MAR-94	8270	330	U	330	F
Trichlorophenol, 2,4,6-	SNL0093358	LWDS-05-BH13	50	22-MAR-94	8270	330	U	330	F
Trichlorophenol, 2,4,6-	SNL0093633	LWDS-05-BH14	50	23-MAR-94	8270	330	U	330	F
Trichlorophenol, 2,4,6-	SNL0091267	LWDS-MW1	50	22-AUG-92	8270	330	U	330	F
Trichlorophenol, 2,4,6-	SNL0091269	LWDS-MW1	50	22-AUG-92	8270	330	U	330	D
Trichlorophenol, 2,4,6-	SNL0093539	LWDS-05-BH11	55	20-MAR-94	8270	330	U	330	F
Trichlorophenol, 2,4,6-	SNL0093448	LWDS-05-BH12	55	21-MAR-94	8270	330	U	330	F
Trichlorophenol, 2,4,6-	SNL0093456	LWDS-05-BH12	55	21-MAR-94	8270	330	U	330	D
Trichlorophenol, 2,4,6-	SNL0093366	LWDS-05-BH13	55	22-MAR-94	8270	330	U	330	F
Trichlorophenol, 2,4,6-	SNL0093637	LWDS-05-BH14	55	23-MAR-94	8270	330	U	330	F
Trichlorophenol, 2,4,6-	SNL0093547	LWDS-05-BH11	60	20-MAR-94	8270	330	U	330	F
Trichlorophenol, 2,4,6-	SNL0093645	LWDS-05-BH14	60	23-MAR-94	8270	330	U	330	D
Trichlorophenol, 2,4,6-	SNL0093641	LWDS-05-BH14	60	23-MAR-94	8270	330	U	330	F
Trichlorophenol, 2,4,6-	SNL0091271	LWDS-MW1	60	22-AUG-92	8270	330	U	330	F
Trichlorophenol, 2,4,6-	SNL0093555	LWDS-05-BH11	65	20-MAR-94	8270	330	U	330	F
Trichlorophenol, 2,4,6-	SNL0091278	LWDS-MW1	68	23-AUG-92	8270	330	U	330	F
Trichlorophenol, 2,4,6-	SNL0093571	LWDS-05-BH11	70	20-MAR-94	8270	330	U	330	D
Trichlorophenol, 2,4,6-	SNL0093563	LWDS-05-BH11	70	20-MAR-94	8270	330	U	330	F
Trichlorophenol, 2,4,6-	SNL0091280	LWDS-MW1	80	23-AUG-92	8270	330	U	330	F
Trichlorophenol, 2,4,6-	SNL0091284	LWDS-MW1	89	23-AUG-92	8270	330	U	330	D
Trichlorophenol, 2,4,6-	SNL0091282	LWDS-MW1	89	23-AUG-92	8270	330	U	330	F
Trichlorophenol, 2,4,6-	SNL0091286	LWDS-MW1	102	24-AUG-92	8270	330	U	330	F
Trichlorophenol, 2,4,6-	SNL0091288	LWDS-MW1	110	24-AUG-92	8270	330	U	330	F

Table A-5: Organics analyses of soil samples from ER Site 5.

Analyte	Sample Number	Sample Location	Sample Depth (Ft)	Sample Date	Analytical Method	Amount Detected (ug/kg)	Qualifier	Method Detection Limit	Sample Type
Trichlorophenol, 2,4,6-	SNL0091290	LWDS-MW1	110	24-AUG-92	8270	330	U	330	F
Trichlorophenol, 2,4,6-	SNL0091295	LWDS-MW1	120	25-AUG-92	8270	330	U	330	F
Trichlorophenol, 2,4,6-	SNL0091297	LWDS-MW1	130	25-AUG-92	8270	330	U	330	F
Trichlorophenol, 2,4,6-	SNL0091583	LWDS-MW1	143	02-SEP-92	8270	330	U	330	F
Trichlorophenol, 2,4,6-	SNL0091585	LWDS-MW1	150	02-SEP-92	8270	330	U	330	F
Trichlorophenol, 2,4,6-	SNL0092988	LWDS-MW1	176	08-APR-93	8270	330	U	330	F
Trichlorophenol, 2,4,6-	SNL0092998	LWDS-MW1	202	08-APR-93	8270	330	U	330	F
Trichlorophenol, 2,4,6-	SNL0093012	LWDS-MW1	226	13-APR-93	8270	330	U	330	F
Trichlorophenol, 2,4,6-	SNL0093022	LWDS-MW1	250	14-APR-93	8270	330	U	330	F
Trichlorophenol, 2,4,6-	SNL0093034	LWDS-MW1	274	15-APR-93	8270	330	U	330	F
Trichlorophenol, 2,4,6-	SNL0093054	LWDS-MW1	315	17-APR-93	8270	330	U	330	F
Trichlorophenol, 2,4,6-	SNL0093066	LWDS-MW1	346	19-APR-93	8270	330	U	330	F
Trichlorophenol, 2,4,6-	SNL0093044	LWDS-MW1	346	19-APR-93	8270	330	U	330	D
Trichlorophenol, 2,4,6-	SNL0093078	LWDS-MW1	390	21-APR-93	8270	330	U	330	F
Trichlorophenol, 2,4,6-	SNL0093101	LWDS-MW1	444	27-APR-93	8270	330	U	330	F
Vinyl acetate	SNL0093572	LWDS-05-BH11	0	20-MAR-94	8240	10	U	10	TB
Vinyl acetate	SNL0093466	LWDS-05-BH12	0	21-MAR-94	8240	10	U	10	TB
Vinyl acetate	SNL0093717	LWDS-05-BH13	0	29-MAR-94	8240	10	U	10	F
Vinyl acetate	SNL0093375	LWDS-05-BH13	0	22-MAR-94	8240	10	U	10	TB
Vinyl acetate	SNL0093655	LWDS-05-BH14	0	23-MAR-94	8240	10	U	10	TB
Vinyl acetate	SNL0093083	LWDS-MW1	0	21-APR-93	8240	10	U	10	F
Vinyl acetate	SNL0093115	LWDS-MW1	0	30-APR-93	8240	10	U	10	F
Vinyl acetate	SNL0091258	LWDS-MW1	12	22-AUG-92	8240	10	U	10	F
Vinyl acetate	SNL0091260	LWDS-MW1	21	22-AUG-92	8240	10	U	10	F
Vinyl acetate	SNL0093467	LWDS-05-BH11	25	20-MAR-94	8240	10	U	10	F
Vinyl acetate	SNL0093377	LWDS-05-BH12	25	21-MAR-94	8240	10	U	10	F
Vinyl acetate	SNL0093287	LWDS-05-BH13	25	22-MAR-94	8240	10	U	10	F
Vinyl acetate	SNL0093673	LWDS-05-BH14	25	23-MAR-94	8240	10	U	10	F
Vinyl acetate	SNL0093475	LWDS-05-BH11	30	20-MAR-94	8240	10	U	10	F
Vinyl acetate	SNL0093385	LWDS-05-BH12	30	21-MAR-94	8240	10	U	10	F
Vinyl acetate	SNL0093295	LWDS-05-BH13	30	22-MAR-94	8240	10	U	10	F
Vinyl acetate	SNL0093677	LWDS-05-BH14	30	23-MAR-94	8240	10	U	10	F
Vinyl acetate	SNL0091262	LWDS-MW1	30	22-AUG-92	8240	10	U	10	F
Vinyl acetate	SNL0093483	LWDS-05-BH11	32.5	20-MAR-94	8240	10	U	10	F
Vinyl acetate	SNL0093393	LWDS-05-BH12	32.5	21-MAR-94	8240	10	U	10	F
Vinyl acetate	SNL0093303	LWDS-05-BH13	32.5	22-MAR-94	8240	10	U	10	F
Vinyl acetate	SNL0093681	LWDS-05-BH14	32.5	23-MAR-94	8240	10	U	10	F
Vinyl acetate	SNL0093484	LWDS-05-BH11	35	20-MAR-94	8240	10	U	10	F
Vinyl acetate	SNL0093401	LWDS-05-BH12	35	21-MAR-94	8240	10	U	10	F
Vinyl acetate	SNL0093311	LWDS-05-BH13	35	22-MAR-94	8240	10	U	10	F
Vinyl acetate	SNL0093685	LWDS-05-BH14	35	23-MAR-94	8240	10	U	10	F
Vinyl acetate	SNL0093582	LWDS-05-BH11	37.5	20-MAR-94	8240	10	U	10	F
Vinyl acetate	SNL0093409	LWDS-05-BH12	37.5	21-MAR-94	8240	10	U	10	F
Vinyl acetate	SNL0093319	LWDS-05-BH13	37.5	22-MAR-94	8240	10	U	10	F
Vinyl acetate	SNL0093689	LWDS-05-BH14	37.5	23-MAR-94	8240	10	U	10	F
Vinyl acetate	SNL0091264	LWDS-MW1	39	22-AUG-92	8240	10	U	10	F
Vinyl acetate	SNL0093492	LWDS-05-BH11	40	20-MAR-94	8240	10	U	10	F
Vinyl acetate	SNL0093417	LWDS-05-BH12	40	21-MAR-94	8240	10	U	10	F
Vinyl acetate	SNL0093327	LWDS-05-BH13	40	22-MAR-94	8240	10	U	10	F
Vinyl acetate	SNL0093693	LWDS-05-BH14	40	23-MAR-94	8240	10	U	10	F
Vinyl acetate	SNL0093500	LWDS-05-BH11	42.5	20-MAR-94	8240	10	U	10	F
Vinyl acetate	SNL0093508	LWDS-05-BH11	45	20-MAR-94	8240	10	U	10	F
Vinyl acetate	SNL0093425	LWDS-05-BH12	45	21-MAR-94	8240	10	U	10	F
Vinyl acetate	SNL0093335	LWDS-05-BH13	45	22-MAR-94	8240	10	U	10	F
Vinyl acetate	SNL0093626	LWDS-05-BH14	45	23-MAR-94	8240	10	U	10	F
Vinyl acetate	SNL0093516	LWDS-05-BH11	47.5	20-MAR-94	8240	10	U	10	F
Vinyl acetate	SNL0093524	LWDS-05-BH11	50	20-MAR-94	8240	10	U	10	F
Vinyl acetate	SNL0093433	LWDS-05-BH12	50	21-MAR-94	8240	10	U	10	F
Vinyl acetate	SNL0093351	LWDS-05-BH13	50	22-MAR-94	8240	10	U	10	D
Vinyl acetate	SNL0093343	LWDS-05-BH13	50	22-MAR-94	8240	10	U	10	F
Vinyl acetate	SNL0093630	LWDS-05-BH14	50	23-MAR-94	8240	10	U	10	F
Vinyl acetate	SNL0091268	LWDS-MW1	50	22-AUG-92	8240	10	U	10	D
Vinyl acetate	SNL0091266	LWDS-MW1	50	22-AUG-92	8240	10	U	10	F
Vinyl acetate	SNL0093532	LWDS-05-BH11	55	20-MAR-94	8240	10	U	10	F
Vinyl acetate	SNL0093449	LWDS-05-BH12	55	21-MAR-94	8240	10	U	10	D
Vinyl acetate	SNL0093441	LWDS-05-BH12	55	21-MAR-94	8240	10	U	10	F
Vinyl acetate	SNL0093359	LWDS-05-BH13	55	22-MAR-94	8240	10	U	10	F

Table A-5: Organics analyses of soil samples from ER Site 5.

Analyte	Sample Number	Sample Location	Sample Depth (Ft)	Sample Date	Analytical Method	Amount Detected (ug/kg)	Qualifier	Method Detection Limit	Sample Type
Vinyl acetate	SNL0093634	LWDS-05-BH14	55	23-MAR-94	8240	10	U	10	F
Vinyl acetate	SNL0093540	LWDS-05-BH11	60	20-MAR-94	8240	10	U	10	F
Vinyl acetate	SNL0093638	LWDS-05-BH14	60	23-MAR-94	8240	10	U	10	F
Vinyl acetate	SNL0093642	LWDS-05-BH14	60	23-MAR-94	8240	10	U	10	D
Vinyl acetate	SNL0091270	LWDS-MW1	60	22-AUG-92	8240	10	U	10	F
Vinyl acetate	SNL0093548	LWDS-05-BH11	65	20-MAR-94	8240	10	U	10	F
Vinyl acetate	SNL0091277	LWDS-MW1	68	23-AUG-92	8240	10	U	10	F
Vinyl acetate	SNL0093564	LWDS-05-BH11	70	20-MAR-94	8240	10	U	10	D
Vinyl acetate	SNL0093556	LWDS-05-BH11	70	20-MAR-94	8240	10	U	10	F
Vinyl acetate	SNL0091279	LWDS-MW1	80	23-AUG-92	8240	10	U	10	F
Vinyl acetate	SNL0091283	LWDS-MW1	89	23-AUG-92	8240	10	U	10	D
Vinyl acetate	SNL0091281	LWDS-MW1	89	23-AUG-92	8240	10	U	10	F
Vinyl acetate	SNL0091285	LWDS-MW1	102	24-AUG-92	8240	10	U	10	F
Vinyl acetate	SNL0091289	LWDS-MW1	110	24-AUG-92	8240	10	U	10	F
Vinyl acetate	SNL0091287	LWDS-MW1	110	24-AUG-92	8240	10	U	10	F
Vinyl acetate	SNL0091294	LWDS-MW1	120	25-AUG-92	8240	10	U	10	F
Vinyl acetate	SNL0091296	LWDS-MW1	130	25-AUG-92	8240	10	U	10	F
Vinyl acetate	SNL0091582	LWDS-MW1	143	02-SEP-92	8240	10	U	10	F
Vinyl acetate	SNL0091584	LWDS-MW1	150	02-SEP-92	8240	10	U	10	F
Vinyl acetate	SNL0092980	LWDS-MW1	176	06-APR-93	8240	10	U	10	F
Vinyl acetate	SNL0092990	LWDS-MW1	202	08-APR-93	8240	10	U	10	F
Vinyl acetate	SNL0093004	LWDS-MW1	226	13-APR-93	8240	10	U	10	F
Vinyl acetate	SNL0093014	LWDS-MW1	250	14-APR-93	8240	10	U	10	F
Vinyl acetate	SNL0093026	LWDS-MW1	274	15-APR-93	8240	10	U	10	F
Vinyl acetate	SNL0093046	LWDS-MW1	315	17-APR-93	8240	10	U	10	F
Vinyl acetate	SNL0093058	LWDS-MW1	346	19-APR-93	8240	10	U	10	F
Vinyl acetate	SNL0093036	LWDS-MW1	346	19-APR-93	8240	10	U	10	D
Vinyl acetate	SNL0093070	LWDS-MW1	390	21-APR-93	8240	10	U	10	F
Vinyl acetate	SNL0093093	LWDS-MW1	444	27-APR-93	8240	10	U	10	F
Vinyl chloride	SNL0093572	LWDS-05-BH11	0	20-MAR-94	8240	10	U	10	TB
Vinyl chloride	SNL0093466	LWDS-05-BH12	0	21-MAR-94	8240	10	U	10	TB
Vinyl chloride	SNL0093717	LWDS-05-BH13	0	29-MAR-94	8240	10	U	10	F
Vinyl chloride	SNL0093375	LWDS-05-BH13	0	22-MAR-94	8240	10	U	10	TB
Vinyl chloride	SNL0093655	LWDS-05-BH14	0	23-MAR-94	8240	10	U	10	TB
Vinyl chloride	SNL0093115	LWDS-MW1	0	30-APR-93	8240	10	U	10	F
Vinyl chloride	SNL0093083	LWDS-MW1	0	21-APR-93	8240	10	U	10	F
Vinyl chloride	SNL0091258	LWDS-MW1	12	22-AUG-92	8240	10	U	10	F
Vinyl chloride	SNL0091260	LWDS-MW1	21	22-AUG-92	8240	10	U	10	F
Vinyl chloride	SNL0093467	LWDS-05-BH11	25	20-MAR-94	8240	10	U	10	F
Vinyl chloride	SNL0093377	LWDS-05-BH12	25	21-MAR-94	8240	10	U	10	F
Vinyl chloride	SNL0093287	LWDS-05-BH13	25	22-MAR-94	8240	10	U	10	F
Vinyl chloride	SNL0093673	LWDS-05-BH14	25	23-MAR-94	8240	10	U	10	F
Vinyl chloride	SNL0093475	LWDS-05-BH11	30	20-MAR-94	8240	10	U	10	F
Vinyl chloride	SNL0093385	LWDS-05-BH12	30	21-MAR-94	8240	10	U	10	F
Vinyl chloride	SNL0093295	LWDS-05-BH13	30	22-MAR-94	8240	10	U	10	F
Vinyl chloride	SNL0093677	LWDS-05-BH14	30	23-MAR-94	8240	10	U	10	F
Vinyl chloride	SNL0091262	LWDS-MW1	30	22-AUG-92	8240	10	U	10	F
Vinyl chloride	SNL0093483	LWDS-05-BH11	32.5	20-MAR-94	8240	10	U	10	F
Vinyl chloride	SNL0093393	LWDS-05-BH12	32.5	21-MAR-94	8240	10	U	10	F
Vinyl chloride	SNL0093303	LWDS-05-BH13	32.5	22-MAR-94	8240	10	U	10	F
Vinyl chloride	SNL0093681	LWDS-05-BH14	32.5	23-MAR-94	8240	10	U	10	F
Vinyl chloride	SNL0093484	LWDS-05-BH11	35	20-MAR-94	8240	10	U	10	F
Vinyl chloride	SNL0093401	LWDS-05-BH12	35	21-MAR-94	8240	10	U	10	F
Vinyl chloride	SNL0093311	LWDS-05-BH13	35	22-MAR-94	8240	10	U	10	F
Vinyl chloride	SNL0093685	LWDS-05-BH14	35	23-MAR-94	8240	10	U	10	F
Vinyl chloride	SNL0093582	LWDS-05-BH11	37.5	20-MAR-94	8240	10	U	10	F
Vinyl chloride	SNL0093409	LWDS-05-BH12	37.5	21-MAR-94	8240	10	U	10	F
Vinyl chloride	SNL0093319	LWDS-05-BH13	37.5	22-MAR-94	8240	10	U	10	F
Vinyl chloride	SNL0093689	LWDS-05-BH14	37.5	23-MAR-94	8240	10	U	10	F
Vinyl chloride	SNL0091264	LWDS-MW1	39	22-AUG-92	8240	10	U	10	F
Vinyl chloride	SNL0093492	LWDS-05-BH11	40	20-MAR-94	8240	10	U	10	F
Vinyl chloride	SNL0093417	LWDS-05-BH12	40	21-MAR-94	8240	10	U	10	F
Vinyl chloride	SNL0093327	LWDS-05-BH13	40	22-MAR-94	8240	10	U	10	F
Vinyl chloride	SNL0093693	LWDS-05-BH14	40	23-MAR-94	8240	10	U	10	F
Vinyl chloride	SNL0093500	LWDS-05-BH11	42.5	20-MAR-94	8240	10	U	10	F
Vinyl chloride	SNL0093508	LWDS-05-BH11	45	20-MAR-94	8240	10	U	10	F
Vinyl chloride	SNL0093425	LWDS-05-BH12	45	21-MAR-94	8240	10	U	10	F

Table A-5: Organics analyses of soil samples from ER Site 5.

Analyte	Sample Number	Sample Location	Sample Depth (Ft)	Sample Date	Analytical Method	Amount Detected (ug/kg)	Qualifier	Method Detection Limit	Sample Type
Vinyl chloride	SNL0093335	LWDS-05-BH13	45	22-MAR-94	8240	10	U	10	F
Vinyl chloride	SNL0093626	LWDS-05-BH14	45	23-MAR-94	8240	10	U	10	F
Vinyl chloride	SNL0093516	LWDS-05-BH11	47.5	20-MAR-94	8240	10	U	10	F
Vinyl chloride	SNL0093524	LWDS-05-BH11	50	20-MAR-94	8240	10	U	10	F
Vinyl chloride	SNL0093433	LWDS-05-BH12	50	21-MAR-94	8240	10	U	10	F
Vinyl chloride	SNL0093351	LWDS-05-BH13	50	22-MAR-94	8240	10	U	10	D
Vinyl chloride	SNL0093343	LWDS-05-BH13	50	22-MAR-94	8240	10	U	10	F
Vinyl chloride	SNL0093630	LWDS-05-BH14	50	23-MAR-94	8240	10	U	10	F
Vinyl chloride	SNL0091268	LWDS-MW1	50	22-AUG-92	8240	10	U	10	D
Vinyl chloride	SNL0091266	LWDS-MW1	50	22-AUG-92	8240	10	U	10	F
Vinyl chloride	SNL0093532	LWDS-05-BH11	55	20-MAR-94	8240	10	U	10	F
Vinyl chloride	SNL0093449	LWDS-05-BH12	55	21-MAR-94	8240	10	U	10	D
Vinyl chloride	SNL0093441	LWDS-05-BH12	55	21-MAR-94	8240	10	U	10	F
Vinyl chloride	SNL0093359	LWDS-05-BH13	55	22-MAR-94	8240	10	U	10	F
Vinyl chloride	SNL0093634	LWDS-05-BH14	55	23-MAR-94	8240	10	U	10	F
Vinyl chloride	SNL0093540	LWDS-05-BH11	60	20-MAR-94	8240	10	U	10	F
Vinyl chloride	SNL0093642	LWDS-05-BH14	60	23-MAR-94	8240	10	U	10	D
Vinyl chloride	SNL0093638	LWDS-05-BH14	60	23-MAR-94	8240	10	U	10	F
Vinyl chloride	SNL0091270	LWDS-MW1	60	22-AUG-92	8240	10	U	10	F
Vinyl chloride	SNL0093548	LWDS-05-BH11	65	20-MAR-94	8240	10	U	10	F
Vinyl chloride	SNL0091277	LWDS-MW1	68	23-AUG-92	8240	10	U	10	F
Vinyl chloride	SNL0093564	LWDS-05-BH11	70	20-MAR-94	8240	10	U	10	D
Vinyl chloride	SNL0093556	LWDS-05-BH11	70	20-MAR-94	8240	10	U	10	F
Vinyl chloride	SNL0091279	LWDS-MW1	80	23-AUG-92	8240	10	U	10	F
Vinyl chloride	SNL0091283	LWDS-MW1	89	23-AUG-92	8240	10	U	10	D
Vinyl chloride	SNL0091281	LWDS-MW1	89	23-AUG-92	8240	10	U	10	F
Vinyl chloride	SNL0091285	LWDS-MW1	102	24-AUG-92	8240	10	U	10	F
Vinyl chloride	SNL0091287	LWDS-MW1	110	24-AUG-92	8240	10	U	10	F
Vinyl chloride	SNL0091289	LWDS-MW1	110	24-AUG-92	8240	10	U	10	F
Vinyl chloride	SNL0091294	LWDS-MW1	120	25-AUG-92	8240	10	U	10	F
Vinyl chloride	SNL0091296	LWDS-MW1	130	25-AUG-92	8240	10	U	10	F
Vinyl chloride	SNL0091582	LWDS-MW1	143	02-SEP-92	8240	10	U	10	F
Vinyl chloride	SNL0091584	LWDS-MW1	150	02-SEP-92	8240	10	U	10	F
Vinyl chloride	SNL0092980	LWDS-MW1	176	06-APR-93	8240	10	U	10	F
Vinyl chloride	SNL0092990	LWDS-MW1	202	08-APR-93	8240	10	U	10	F
Vinyl chloride	SNL0093004	LWDS-MW1	226	13-APR-93	8240	10	U	10	F
Vinyl chloride	SNL0093014	LWDS-MW1	250	14-APR-93	8240	10	U	10	F
Vinyl chloride	SNL0093026	LWDS-MW1	274	15-APR-93	8240	10	U	10	F
Vinyl chloride	SNL0093046	LWDS-MW1	315	17-APR-93	8240	10	U	10	F
Vinyl chloride	SNL0093058	LWDS-MW1	346	19-APR-93	8240	10	U	10	F
Vinyl chloride	SNL0093036	LWDS-MW1	346	19-APR-93	8240	10	U	10	D
Vinyl chloride	SNL0093070	LWDS-MW1	390	21-APR-93	8240	10	U	10	F
Vinyl chloride	SNL0093093	LWDS-MW1	444	27-APR-93	8240	10	U	10	F
Xylenes, total	SNL0093572	LWDS-05-BH11	0	20-MAR-94	8240	5	U	5	TB
Xylenes, total	SNL0093466	LWDS-05-BH12	0	21-MAR-94	8240	5	U	5	TB
Xylenes, total	SNL0093717	LWDS-05-BH13	0	29-MAR-94	8240	5	U	5	F
Xylenes, total	SNL0093375	LWDS-05-BH13	0	22-MAR-94	8240	5	U	5	TB
Xylenes, total	SNL0093655	LWDS-05-BH14	0	23-MAR-94	8240	5	U	5	TB
Xylenes, total	SNL0093115	LWDS-MW1	0	30-APR-93	8240	5	U	5	F
Xylenes, total	SNL0093083	LWDS-MW1	0	21-APR-93	8240	5	U	5	F
Xylenes, total	SNL0091258	LWDS-MW1	12	22-AUG-92	8240	5	U	5	F
Xylenes, total	SNL0091260	LWDS-MW1	21	22-AUG-92	8240	5	U	5	F
Xylenes, total	SNL0093467	LWDS-05-BH11	25	20-MAR-94	8240	5	U	5	F
Xylenes, total	SNL0093377	LWDS-05-BH12	25	21-MAR-94	8240	5	U	5	F
Xylenes, total	SNL0093287	LWDS-05-BH13	25	22-MAR-94	8240	5	U	5	F
Xylenes, total	SNL0093673	LWDS-05-BH14	25	23-MAR-94	8240	5	U	5	F
Xylenes, total	SNL0093475	LWDS-05-BH11	30	20-MAR-94	8240	5	U	5	F
Xylenes, total	SNL0093385	LWDS-05-BH12	30	21-MAR-94	8240	5	U	5	F
Xylenes, total	SNL0093295	LWDS-05-BH13	30	22-MAR-94	8240	5	U	5	F
Xylenes, total	SNL0093677	LWDS-05-BH14	30	23-MAR-94	8240	5	U	5	F
Xylenes, total	SNL0091262	LWDS-MW1	30	22-AUG-92	8240	5	U	5	F
Xylenes, total	SNL0093483	LWDS-05-BH11	32.5	20-MAR-94	8240	5	U	5	F
Xylenes, total	SNL0093393	LWDS-05-BH12	32.5	21-MAR-94	8240	5	U	5	F
Xylenes, total	SNL0093303	LWDS-05-BH13	32.5	22-MAR-94	8240	5	U	5	F
Xylenes, total	SNL0093681	LWDS-05-BH14	32.5	23-MAR-94	8240	5	U	5	F
Xylenes, total	SNL0093484	LWDS-05-BH11	35	20-MAR-94	8240	5	U	5	F
Xylenes, total	SNL0093401	LWDS-05-BH12	35	21-MAR-94	8240	5	U	5	F

Table A-5: Organics analyses of soil samples from ER Site 5.

Analyte	Sample Number	Sample Location	Sample Depth (Ft)	Sample Date	Analytical Method	Amount Detected (ug/kg)	Qualifier	Method Detection Limit	Sample Type
Xylenes, total	SNL0093311	LWDS-05-BH13	35	22-MAR-94	8240	5	U	5	F
Xylenes, total	SNL0093685	LWDS-05-BH14	35	23-MAR-94	8240	5	U	5	F
Xylenes, total	SNL0093582	LWDS-05-BH11	37.5	20-MAR-94	8240	5	U	5	F
Xylenes, total	SNL0093409	LWDS-05-BH12	37.5	21-MAR-94	8240	5	U	5	F
Xylenes, total	SNL0093319	LWDS-05-BH13	37.5	22-MAR-94	8240	5	U	5	F
Xylenes, total	SNL0093689	LWDS-05-BH14	37.5	23-MAR-94	8240	5	U	5	F
Xylenes, total	SNL0091264	LWDS-MW1	39	22-AUG-92	8240	5	U	5	F
Xylenes, total	SNL0093492	LWDS-05-BH11	40	20-MAR-94	8240	5	U	5	F
Xylenes, total	SNL0093417	LWDS-05-BH12	40	21-MAR-94	8240	5	U	5	F
Xylenes, total	SNL0093327	LWDS-05-BH13	40	22-MAR-94	8240	5	U	5	F
Xylenes, total	SNL0093693	LWDS-05-BH14	40	23-MAR-94	8240	5	U	5	F
Xylenes, total	SNL0093500	LWDS-05-BH11	42.5	20-MAR-94	8240	5	U	5	F
Xylenes, total	SNL0093508	LWDS-05-BH11	45	20-MAR-94	8240	5	U	5	F
Xylenes, total	SNL0093425	LWDS-05-BH12	45	21-MAR-94	8240	5	U	5	F
Xylenes, total	SNL0093335	LWDS-05-BH13	45	22-MAR-94	8240	5	U	5	F
Xylenes, total	SNL0093626	LWDS-05-BH14	45	23-MAR-94	8240	5	U	5	F
Xylenes, total	SNL0093516	LWDS-05-BH11	47.5	20-MAR-94	8240	5	U	5	F
Xylenes, total	SNL0093524	LWDS-05-BH11	50	20-MAR-94	8240	5	U	5	F
Xylenes, total	SNL0093433	LWDS-05-BH12	50	21-MAR-94	8240	5	U	5	F
Xylenes, total	SNL0093351	LWDS-05-BH13	50	22-MAR-94	8240	5	U	5	D
Xylenes, total	SNL0093343	LWDS-05-BH13	50	22-MAR-94	8240	5	U	5	F
Xylenes, total	SNL0093630	LWDS-05-BH14	50	23-MAR-94	8240	5	U	5	F
Xylenes, total	SNL0091268	LWDS-MW1	50	22-AUG-92	8240	5	U	5	D
Xylenes, total	SNL0091266	LWDS-MW1	50	22-AUG-92	8240	5	U	5	F
Xylenes, total	SNL0093532	LWDS-05-BH11	55	20-MAR-94	8240	5	U	5	F
Xylenes, total	SNL0093449	LWDS-05-BH12	55	21-MAR-94	8240	5	U	5	D
Xylenes, total	SNL0093441	LWDS-05-BH12	55	21-MAR-94	8240	5	U	5	F
Xylenes, total	SNL0093359	LWDS-05-BH13	55	22-MAR-94	8240	5	U	5	F
Xylenes, total	SNL0093634	LWDS-05-BH14	55	23-MAR-94	8240	5	U	5	F
Xylenes, total	SNL0093540	LWDS-05-BH11	60	20-MAR-94	8240	5	U	5	F
Xylenes, total	SNL0093642	LWDS-05-BH14	60	23-MAR-94	8240	5	U	5	D
Xylenes, total	SNL0093638	LWDS-05-BH14	60	23-MAR-94	8240	5	U	5	F
Xylenes, total	SNL0091270	LWDS-MW1	60	22-AUG-92	8240	5	U	5	F
Xylenes, total	SNL0093548	LWDS-05-BH11	65	20-MAR-94	8240	5	U	5	F
Xylenes, total	SNL0091277	LWDS-MW1	68	23-AUG-92	8240	5	U	5	F
Xylenes, total	SNL0093564	LWDS-05-BH11	70	20-MAR-94	8240	5	U	5	D
Xylenes, total	SNL0093556	LWDS-05-BH11	70	20-MAR-94	8240	5	U	5	F
Xylenes, total	SNL0091279	LWDS-MW1	80	23-AUG-92	8240	5	U	5	F
Xylenes, total	SNL0091283	LWDS-MW1	89	23-AUG-92	8240	5	U	5	D
Xylenes, total	SNL0091281	LWDS-MW1	89	23-AUG-92	8240	5	U	5	F
Xylenes, total	SNL0091285	LWDS-MW1	102	24-AUG-92	8240	5	U	5	F
Xylenes, total	SNL0091289	LWDS-MW1	110	24-AUG-92	8240	5	U	5	F
Xylenes, total	SNL0091287	LWDS-MW1	110	24-AUG-92	8240	5	U	5	F
Xylenes, total	SNL0091294	LWDS-MW1	120	25-AUG-92	8240	5	U	5	F
Xylenes, total	SNL0091296	LWDS-MW1	130	25-AUG-92	8240	5	U	5	F
Xylenes, total	SNL0091582	LWDS-MW1	143	02-SEP-92	8240	5	U	5	F
Xylenes, total	SNL0091584	LWDS-MW1	150	02-SEP-92	8240	5	U	5	F
Xylenes, total	SNL0092980	LWDS-MW1	176	06-APR-93	8240	5	U	5	F
Xylenes, total	SNL0092990	LWDS-MW1	202	08-APR-93	8240	5	U	5	F
Xylenes, total	SNL0093004	LWDS-MW1	226	13-APR-93	8240	5	U	5	F
Xylenes, total	SNL0093014	LWDS-MW1	250	14-APR-93	8240	5	U	5	F
Xylenes, total	SNL0093026	LWDS-MW1	274	15-APR-93	8240	5	U	5	F
Xylenes, total	SNL0093046	LWDS-MW1	315	17-APR-93	8240	5	U	5	F
Xylenes, total	SNL0093058	LWDS-MW1	346	19-APR-93	8240	5	U	5	F
Xylenes, total	SNL0093036	LWDS-MW1	346	19-APR-93	8240	5	U	5	D
Xylenes, total	SNL0093070	LWDS-MW1	390	21-APR-93	8240	5	U	5	F
Xylenes, total	SNL0093093	LWDS-MW1	444	27-APR-93	8240	5	U	5	F

Table A-6: Radionuclide analyses of soil samples from ER Site 5.

Analyte	Sample Number	Sample Location	Sample Depth (Ft)	Sample Date	Analytical Method	Activity (pCi/g)	Qualifier	Method Detection Limit	NMED Approved Background (pCi/g)	Sample Type
Tritium	SNL0092190	LWDS-MW1	102	24-AUG-92	EPA H-01	-0.1		100000000	NA	F
Actinium-228	SNL0092191	LWDS-MW1	102	24-AUG-92	GAMMA	0.5		100000000	NA	F
Americium-241	SNL0092191	LWDS-MW1	102	24-AUG-92	GAMMA	0.102	<	0.102	NA	F
Antimony-125	SNL0092191	LWDS-MW1	102	24-AUG-92	GAMMA	0.17	<	0.17	NA	F
Barium-133	SNL0092191	LWDS-MW1	102	24-AUG-92	GAMMA	0.0486	<	0.0486	NA	F
Beryllium-7	SNL0092191	LWDS-MW1	102	24-AUG-92	GAMMA	0.413	<	0.413	NA	F
Bismuth-212	SNL0092191	LWDS-MW1	102	24-AUG-92	GAMMA	1.19	<	1.19	NA	F
Bismuth-214	SNL0092191	LWDS-MW1	102	24-AUG-92	GAMMA	0.6		100000000	NA	F
Cerium-144	SNL0092191	LWDS-MW1	102	24-AUG-92	GAMMA	0.62	<	0.62	NA	F
Cesium-134	SNL0092191	LWDS-MW1	102	24-AUG-92	GAMMA	0.0525	<	0.0525	NA	F
Cesium-137	SNL0092191	LWDS-MW1	102	24-AUG-92	GAMMA	0.0549	<	0.0549	0.079	F
Chromium-51	SNL0092191	LWDS-MW1	102	24-AUG-92	GAMMA	0.41	<	0.41	NA	F
Cobalt-57	SNL0092191	LWDS-MW1	102	24-AUG-92	GAMMA	0.0265	<	0.0265	NA	F
Cobalt-58	SNL0092191	LWDS-MW1	102	24-AUG-92	GAMMA	0.0363	<	0.0363	NA	F
Cobalt-60	SNL0092191	LWDS-MW1	102	24-AUG-92	GAMMA	0.0968	<	0.0968	NA	F
Lead-210	SNL0092191	LWDS-MW1	102	24-AUG-92	GAMMA	2.8	<	2.8	NA	F
Lead-212	SNL0092191	LWDS-MW1	102	24-AUG-92	GAMMA	0.5		100000000	NA	F
Lead-214	SNL0092191	LWDS-MW1	102	24-AUG-92	GAMMA	0.4		100000000	NA	F
Manganese-54	SNL0092191	LWDS-MW1	102	24-AUG-92	GAMMA	0.0695	<	0.0695	NA	F
Manganese-56	SNL0092191	LWDS-MW1	102	24-AUG-92	GAMMA	0.214	<	0.214	NA	F
Potassium-40	SNL0092191	LWDS-MW1	102	24-AUG-92	GAMMA	17		100000000	NA	F
Radium-226	SNL0092191	LWDS-MW1	102	24-AUG-92	GAMMA	1.68	<	1.68	1.76	F
Ruthenium-106	SNL0092191	LWDS-MW1	102	24-AUG-92	GAMMA	0.536	<	0.536	NA	F
Sodium-22	SNL0092191	LWDS-MW1	102	24-AUG-92	GAMMA	0.0469	<	0.0469	NA	F
Sodium-24	SNL0092191	LWDS-MW1	102	24-AUG-92	GAMMA	0.0331	<	0.0331	NA	F
Thallium-208	SNL0092191	LWDS-MW1	102	24-AUG-92	GAMMA	0.2		100000000	NA	F
Thorium-234	SNL0092191	LWDS-MW1	102	24-AUG-92	GAMMA	1.17	<	1.17	1.4	F
Uranium-235	SNL0092191	LWDS-MW1	102	24-AUG-92	GAMMA	0.105	<	0.105	0.16	F
Xenon-133,-133M	SNL0092191	LWDS-MW1	102	24-AUG-92	GAMMA	0.328	<	0.328	NA	F
Zinc-65	SNL0092191	LWDS-MW1	102	24-AUG-92	GAMMA	0.0851	<	0.0851	NA	F
Zirconium-95	SNL0092191	LWDS-MW1	102	24-AUG-92	GAMMA	0.126	<	0.126	NA	F
Tritium	SNL0092198	LWDS-MW1	110	24-AUG-92	EPA H-01	-0.1		100000000	NA	F
Actinium-228	SNL0092199	LWDS-MW1	110	24-AUG-92	GAMMA	1.2		100000000	NA	F
Americium-241	SNL0092199	LWDS-MW1	110	24-AUG-92	GAMMA	0.225	<	0.225	NA	F
Antimony-125	SNL0092199	LWDS-MW1	110	24-AUG-92	GAMMA	0.195	<	0.195	NA	F
Barium-133	SNL0092199	LWDS-MW1	110	24-AUG-92	GAMMA	0.0902	<	0.0902	NA	F
Beryllium-7	SNL0092199	LWDS-MW1	110	24-AUG-92	GAMMA	0.442	<	0.442	NA	F
Bismuth-212	SNL0092199	LWDS-MW1	110	24-AUG-92	GAMMA	1.58	<	1.58	NA	F
Bismuth-214	SNL0092199	LWDS-MW1	110	24-AUG-92	GAMMA	0.7		100000000	NA	F
Cerium-144	SNL0092199	LWDS-MW1	110	24-AUG-92	GAMMA	0.733	<	0.733	NA	F
Cesium-134	SNL0092199	LWDS-MW1	110	24-AUG-92	GAMMA	0.0382	<	0.0382	NA	F
Cesium-137	SNL0092199	LWDS-MW1	110	24-AUG-92	GAMMA	0.101	<	0.101	0.079	F
Chromium-51	SNL0092199	LWDS-MW1	110	24-AUG-92	GAMMA	0.658	<	0.658	NA	F
Cobalt-57	SNL0092199	LWDS-MW1	110	24-AUG-92	GAMMA	0.0759	<	0.0759	NA	F
Cobalt-58	SNL0092199	LWDS-MW1	110	24-AUG-92	GAMMA	0.0771	<	0.0771	NA	F
Cobalt-60	SNL0092199	LWDS-MW1	110	24-AUG-92	GAMMA	0.115	<	0.115	NA	F
Lead-210	SNL0092199	LWDS-MW1	110	24-AUG-92	GAMMA	3.27	<	3.27	NA	F
Lead-212	SNL0092199	LWDS-MW1	110	24-AUG-92	GAMMA	0.7		100000000	NA	F
Lead-214	SNL0092199	LWDS-MW1	110	24-AUG-92	GAMMA	0.7		100000000	NA	F
Manganese-54	SNL0092199	LWDS-MW1	110	24-AUG-92	GAMMA	0.0952	<	0.0952	NA	F
Manganese-56	SNL0092199	LWDS-MW1	110	24-AUG-92	GAMMA	0.354	<	0.354	NA	F
Potassium-40	SNL0092199	LWDS-MW1	110	24-AUG-92	GAMMA	18		100000000	NA	F
Radium-226	SNL0092199	LWDS-MW1	110	24-AUG-92	GAMMA	2.13	<	2.13	1.76	F
Ruthenium-106	SNL0092199	LWDS-MW1	110	24-AUG-92	GAMMA	0.8	<	0.8	NA	F
Sodium-22	SNL0092199	LWDS-MW1	110	24-AUG-92	GAMMA	0.0918	<	0.0918	NA	F
Sodium-24	SNL0092199	LWDS-MW1	110	24-AUG-92	GAMMA	0.0788	<	0.0788	NA	F
Thallium-208	SNL0092199	LWDS-MW1	110	24-AUG-92	GAMMA	0.3		100000000	NA	F
Thorium-234	SNL0092199	LWDS-MW1	110	24-AUG-92	GAMMA	1.62	<	1.62	1.4	F
Uranium-235	SNL0092199	LWDS-MW1	110	24-AUG-92	GAMMA	0.134	<	0.134	0.16	F
Xenon-133,-133M	SNL0092199	LWDS-MW1	110	24-AUG-92	GAMMA	0.624	<	0.624	NA	F
Zinc-65	SNL0092199	LWDS-MW1	110	24-AUG-92	GAMMA	0.284	<	0.284	NA	F
Zirconium-95	SNL0092199	LWDS-MW1	110	24-AUG-92	GAMMA	0.0955	<	0.0955	NA	F
Tritium	SNL0092206	LWDS-MW1	110	24-AUG-92	EPA H-01	0		100000000	NA	F
Actinium-228	SNL0092207	LWDS-MW1	110	24-AUG-92	GAMMA	0.7		100000000	NA	F
Americium-241	SNL0092207	LWDS-MW1	110	24-AUG-92	GAMMA	0.229	<	0.229	NA	F
Antimony-125	SNL0092207	LWDS-MW1	110	24-AUG-92	GAMMA	0.151	<	0.151	NA	F
Barium-133	SNL0092207	LWDS-MW1	110	24-AUG-92	GAMMA	0.0742	<	0.0742	NA	F
Beryllium-7	SNL0092207	LWDS-MW1	110	24-AUG-92	GAMMA	0.597	<	0.597	NA	F
Bismuth-212	SNL0092207	LWDS-MW1	110	24-AUG-92	GAMMA	0.982	<	0.982	NA	F
Bismuth-214	SNL0092207	LWDS-MW1	110	24-AUG-92	GAMMA	0.6		100000000	NA	F

Table A-6: Radionuclide analyses of soil samples from ER Site 5.

Analyte	Sample Number	Sample Location	Sample Depth (Ft)	Sample Date	Analytical Method	Activity (pCi/g)	Qualifier	Method Detection Limit	NMED Approved Background (pCi/g)	Sample Type
Cerium-144	SNL0092207	LWDS-MW1	110	24-AUG-92	GAMMA	0.717	<	0.717	NA	F
Cesium-134	SNL0092207	LWDS-MW1	110	24-AUG-92	GAMMA	0.0855	<	0.0855	NA	F
Cesium-137	SNL0092207	LWDS-MW1	110	24-AUG-92	GAMMA	0.0904	<	0.0904	0.079	F
Chromium-51	SNL0092207	LWDS-MW1	110	24-AUG-92	GAMMA	0.648	<	0.648	NA	F
Cobalt-57	SNL0092207	LWDS-MW1	110	24-AUG-92	GAMMA	0.0464	<	0.0464	NA	F
Cobalt-58	SNL0092207	LWDS-MW1	110	24-AUG-92	GAMMA	0.0686	<	0.0686	NA	F
Cobalt-60	SNL0092207	LWDS-MW1	110	24-AUG-92	GAMMA	0.0434	<	0.0434	NA	F
Lead-210	SNL0092207	LWDS-MW1	110	24-AUG-92	GAMMA	3.75	<	3.75	NA	F
Lead-212	SNL0092207	LWDS-MW1	110	24-AUG-92	GAMMA	0.7		100000000	NA	F
Lead-214	SNL0092207	LWDS-MW1	110	24-AUG-92	GAMMA	0.7		100000000	NA	F
Manganese-54	SNL0092207	LWDS-MW1	110	24-AUG-92	GAMMA	0.0736	<	0.0736	NA	F
Manganese-56	SNL0092207	LWDS-MW1	110	24-AUG-92	GAMMA	0.236	<	0.236	NA	F
Potassium-40	SNL0092207	LWDS-MW1	110	24-AUG-92	GAMMA	19		100000000	NA	F
Radium-226	SNL0092207	LWDS-MW1	110	24-AUG-92	GAMMA	2.11	<	2.11	1.76	F
Ruthenium-106	SNL0092207	LWDS-MW1	110	24-AUG-92	GAMMA	0.732	<	0.732	NA	F
Sodium-22	SNL0092207	LWDS-MW1	110	24-AUG-92	GAMMA	0.0453	<	0.0453	NA	F
Sodium-24	SNL0092207	LWDS-MW1	110	24-AUG-92	GAMMA	0.0497	<	0.0497	NA	F
Thallium-208	SNL0092207	LWDS-MW1	110	24-AUG-92	GAMMA	0.3		100000000	NA	F
Thorium-234	SNL0092207	LWDS-MW1	110	24-AUG-92	GAMMA	1.88	<	1.88	1.4	F
Uranium-235	SNL0092207	LWDS-MW1	110	24-AUG-92	GAMMA	0.128	<	0.128	0.16	F
Xenon-133,-133M	SNL0092207	LWDS-MW1	110	24-AUG-92	GAMMA	0.596	<	0.596	NA	F
Zinc-65	SNL0092207	LWDS-MW1	110	24-AUG-92	GAMMA	0.326	<	0.326	NA	F
Zirconium-95	SNL0092207	LWDS-MW1	110	24-AUG-92	GAMMA	0.181	<	0.181	NA	F
Tritium	SNL0092230	LWDS-MW1	68	23-AUG-92	EPA H-01	0		100000000	NA	F
Actinium-228	SNL0092231	LWDS-MW1	68	23-AUG-92	GAMMA	0.7		100000000	NA	F
Americium-241	SNL0092231	LWDS-MW1	68	23-AUG-92	GAMMA	0.124	<	0.124	NA	F
Antimony-125	SNL0092231	LWDS-MW1	68	23-AUG-92	GAMMA	0.0851	<	0.0851	NA	F
Barium-133	SNL0092231	LWDS-MW1	68	23-AUG-92	GAMMA	0.0805	<	0.0805	NA	F
Beryllium-7	SNL0092231	LWDS-MW1	68	23-AUG-92	GAMMA	0.447	<	0.447	NA	F
Bismuth-212	SNL0092231	LWDS-MW1	68	23-AUG-92	GAMMA	1.07	<	1.07	NA	F
Bismuth-214	SNL0092231	LWDS-MW1	68	23-AUG-92	GAMMA	0.6		100000000	NA	F
Cerium-144	SNL0092231	LWDS-MW1	68	23-AUG-92	GAMMA	0.618	<	0.618	NA	F
Cesium-134	SNL0092231	LWDS-MW1	68	23-AUG-92	GAMMA	0.0243	<	0.0243	NA	F
Cesium-137	SNL0092231	LWDS-MW1	68	23-AUG-92	GAMMA	0.0543	<	0.0543	0.079	F
Chromium-51	SNL0092231	LWDS-MW1	68	23-AUG-92	GAMMA	0.582	<	0.582	NA	F
Cobalt-57	SNL0092231	LWDS-MW1	68	23-AUG-92	GAMMA	0.0565	<	0.0565	NA	F
Cobalt-58	SNL0092231	LWDS-MW1	68	23-AUG-92	GAMMA	0.0501	<	0.0501	NA	F
Cobalt-60	SNL0092231	LWDS-MW1	68	23-AUG-92	GAMMA	0.0805	<	0.0805	NA	F
Lead-210	SNL0092231	LWDS-MW1	68	23-AUG-92	GAMMA	2.34	<	2.34	NA	F
Lead-212	SNL0092231	LWDS-MW1	68	23-AUG-92	GAMMA	0.4		100000000	NA	F
Lead-214	SNL0092231	LWDS-MW1	68	23-AUG-92	GAMMA	0.5		100000000	NA	F
Manganese-54	SNL0092231	LWDS-MW1	68	23-AUG-92	GAMMA	0.0739	<	0.0739	NA	F
Manganese-56	SNL0092231	LWDS-MW1	68	23-AUG-92	GAMMA	0.239	<	0.239	NA	F
Potassium-40	SNL0092231	LWDS-MW1	68	23-AUG-92	GAMMA	16		100000000	NA	F
Radium-226	SNL0092231	LWDS-MW1	68	23-AUG-92	GAMMA	1.54	<	1.54	1.76	F
Ruthenium-106	SNL0092231	LWDS-MW1	68	23-AUG-92	GAMMA	0.501	<	0.501	NA	F
Sodium-22	SNL0092231	LWDS-MW1	68	23-AUG-92	GAMMA	0.0431	<	0.0431	NA	F
Sodium-24	SNL0092231	LWDS-MW1	68	23-AUG-92	GAMMA	0.065	<	0.065	NA	F
Thallium-208	SNL0092231	LWDS-MW1	68	23-AUG-92	GAMMA	0.2		100000000	NA	F
Thorium-234	SNL0092231	LWDS-MW1	68	23-AUG-92	GAMMA	14.1	<	14.1	1.4	F
Uranium-235	SNL0092231	LWDS-MW1	68	23-AUG-92	GAMMA	0.0935	<	0.0935	0.16	F
Xenon-133,-133M	SNL0092231	LWDS-MW1	68	23-AUG-92	GAMMA	0.386	<	0.386	NA	F
Zinc-65	SNL0092231	LWDS-MW1	68	23-AUG-92	GAMMA	0.215	<	0.215	NA	F
Zirconium-95	SNL0092231	LWDS-MW1	68	23-AUG-92	GAMMA	0.0466	<	0.0466	NA	F
Tritium	SNL0092239	LWDS-MW1	80	23-AUG-92	EPA H-01	0		100000000	NA	F
Actinium-228	SNL0092240	LWDS-MW1	80	23-AUG-92	GAMMA	1		100000000	NA	F
Americium-241	SNL0092240	LWDS-MW1	80	23-AUG-92	GAMMA	0.165	<	0.165	NA	F
Antimony-125	SNL0092240	LWDS-MW1	80	23-AUG-92	GAMMA	0.208	<	0.208	NA	F
Barium-133	SNL0092240	LWDS-MW1	80	23-AUG-92	GAMMA	0.0592	<	0.0592	NA	F
Beryllium-7	SNL0092240	LWDS-MW1	80	23-AUG-92	GAMMA	0.525	<	0.525	NA	F
Bismuth-212	SNL0092240	LWDS-MW1	80	23-AUG-92	GAMMA	1.28	<	1.28	NA	F
Bismuth-214	SNL0092240	LWDS-MW1	80	23-AUG-92	GAMMA	0.7		100000000	NA	F
Cerium-144	SNL0092240	LWDS-MW1	80	23-AUG-92	GAMMA	0.589	<	0.589	NA	F
Cesium-134	SNL0092240	LWDS-MW1	80	23-AUG-92	GAMMA	0.052	<	0.052	NA	F
Cesium-137	SNL0092240	LWDS-MW1	80	23-AUG-92	GAMMA	0.0897	<	0.0897	0.079	F
Chromium-51	SNL0092240	LWDS-MW1	80	23-AUG-92	GAMMA	0.282	<	0.282	NA	F
Cobalt-57	SNL0092240	LWDS-MW1	80	23-AUG-92	GAMMA	0.068	<	0.068	NA	F
Cobalt-58	SNL0092240	LWDS-MW1	80	23-AUG-92	GAMMA	0.0636	<	0.0636	NA	F
Cobalt-60	SNL0092240	LWDS-MW1	80	23-AUG-92	GAMMA	0.0781	<	0.0781	NA	F
Lead-210	SNL0092240	LWDS-MW1	80	23-AUG-92	GAMMA	3.13	<	3.13	NA	F

Table A-6: Radionuclide analyses of soil samples from ER Site 5.

Analyte	Sample Number	Sample Location	Sample Depth (Ft)	Sample Date	Analytical Method	Activity (pCi/g)	Qualifier	Method Detection Limit	NMED Approved Background (pCi/g)	Sample Type
Lead-212	SNL0092240	LWDS-MW1	80	23-AUG-92	GAMMA	0.6		100000000	NA	F
Lead-214	SNL0092240	LWDS-MW1	80	23-AUG-92	GAMMA	0.5		100000000	NA	F
Manganese-54	SNL0092240	LWDS-MW1	80	23-AUG-92	GAMMA	0.0934	<	0.0934	NA	F
Manganese-56	SNL0092240	LWDS-MW1	80	23-AUG-92	GAMMA	0.296	<	0.296	NA	F
Potassium-40	SNL0092240	LWDS-MW1	80	23-AUG-92	GAMMA	16		100000000	NA	F
Radium-226	SNL0092240	LWDS-MW1	80	23-AUG-92	GAMMA	1.86	<	1.86	1.76	F
Ruthenium-106	SNL0092240	LWDS-MW1	80	23-AUG-92	GAMMA	0.472	<	0.472	NA	F
Sodium-22	SNL0092240	LWDS-MW1	80	23-AUG-92	GAMMA	0.0704	<	0.0704	NA	F
Sodium-24	SNL0092240	LWDS-MW1	80	23-AUG-92	GAMMA	0.0375	<	0.0375	NA	F
Thallium-208	SNL0092240	LWDS-MW1	80	23-AUG-92	GAMMA	0.2		100000000	NA	F
Thorium-234	SNL0092240	LWDS-MW1	80	23-AUG-92	GAMMA	1.44	<	1.44	1.4	F
Uranium-235	SNL0092240	LWDS-MW1	80	23-AUG-92	GAMMA	0.116	<	0.116	0.16	F
Xenon-133,-133M	SNL0092240	LWDS-MW1	80	23-AUG-92	GAMMA	0.675	<	0.675	NA	F
Zinc-65	SNL0092240	LWDS-MW1	80	23-AUG-92	GAMMA	0.251	<	0.251	NA	F
Zirconium-95	SNL0092240	LWDS-MW1	80	23-AUG-92	GAMMA	0.143	<	0.143	NA	F
Tritium	SNL0092248	LWDS-MW1	89	23-AUG-92	EPA H-01	-0.1		100000000	NA	F
Actinium-228	SNL0092249	LWDS-MW1	89	23-AUG-92	GAMMA	0.442	<	0.442	NA	F
Americium-241	SNL0092249	LWDS-MW1	89	23-AUG-92	GAMMA	0.114	<	0.114	NA	F
Antimony-125	SNL0092249	LWDS-MW1	89	23-AUG-92	GAMMA	0.201	<	0.201	NA	F
Barium-133	SNL0092249	LWDS-MW1	89	23-AUG-92	GAMMA	0.106	<	0.106	NA	F
Beryllium-7	SNL0092249	LWDS-MW1	89	23-AUG-92	GAMMA	0.589	<	0.589	NA	F
Bismuth-212	SNL0092249	LWDS-MW1	89	23-AUG-92	GAMMA	1.21	<	1.21	NA	F
Bismuth-214	SNL0092249	LWDS-MW1	89	23-AUG-92	GAMMA	0.8		100000000	NA	F
Cerium-144	SNL0092249	LWDS-MW1	89	23-AUG-92	GAMMA	0.568	<	0.568	NA	F
Cesium-134	SNL0092249	LWDS-MW1	89	23-AUG-92	GAMMA	0.0685	<	0.0685	NA	F
Cesium-137	SNL0092249	LWDS-MW1	89	23-AUG-92	GAMMA	0.0353	<	0.0353	0.079	F
Chromium-51	SNL0092249	LWDS-MW1	89	23-AUG-92	GAMMA	0.415	<	0.415	NA	F
Cobalt-57	SNL0092249	LWDS-MW1	89	23-AUG-92	GAMMA	0.0405	<	0.0405	NA	F
Cobalt-58	SNL0092249	LWDS-MW1	89	23-AUG-92	GAMMA	0.0746	<	0.0746	NA	F
Cobalt-60	SNL0092249	LWDS-MW1	89	23-AUG-92	GAMMA	0.113	<	0.113	NA	F
Lead-210	SNL0092249	LWDS-MW1	89	23-AUG-92	GAMMA	4		100000000	NA	F
Lead-212	SNL0092249	LWDS-MW1	89	23-AUG-92	GAMMA	0.4		100000000	NA	F
Lead-214	SNL0092249	LWDS-MW1	89	23-AUG-92	GAMMA	0.7		100000000	NA	F
Manganese-54	SNL0092249	LWDS-MW1	89	23-AUG-92	GAMMA	0.0681	<	0.0681	NA	F
Manganese-56	SNL0092249	LWDS-MW1	89	23-AUG-92	GAMMA	0.228	<	0.228	NA	F
Potassium-40	SNL0092249	LWDS-MW1	89	23-AUG-92	GAMMA	12		100000000	NA	F
Radium-226	SNL0092249	LWDS-MW1	89	23-AUG-92	GAMMA	1.98	<	1.98	1.76	F
Ruthenium-106	SNL0092249	LWDS-MW1	89	23-AUG-92	GAMMA	0.603	<	0.603	NA	F
Sodium-22	SNL0092249	LWDS-MW1	89	23-AUG-92	GAMMA	0.043	<	0.043	NA	F
Sodium-24	SNL0092249	LWDS-MW1	89	23-AUG-92	GAMMA	0.0513	<	0.0513	NA	F
Thallium-208	SNL0092249	LWDS-MW1	89	23-AUG-92	GAMMA	0.2		100000000	NA	F
Thorium-234	SNL0092249	LWDS-MW1	89	23-AUG-92	GAMMA	1.63	<	1.63	1.4	F
Uranium-235	SNL0092249	LWDS-MW1	89	23-AUG-92	GAMMA	0.124	<	0.124	0.16	F
Xenon-133,-133M	SNL0092249	LWDS-MW1	89	23-AUG-92	GAMMA	0.508	<	0.508	NA	F
Zinc-65	SNL0092249	LWDS-MW1	89	23-AUG-92	GAMMA	0.259	<	0.259	NA	F
Zirconium-95	SNL0092249	LWDS-MW1	89	23-AUG-92	GAMMA	0.165	<	0.165	NA	F
Tritium	SNL0092257	LWDS-MW1	89	23-AUG-92	EPA H-01	0		100000000	NA	D
Actinium-228	SNL0092258	LWDS-MW1	89	23-AUG-92	GAMMA	0.8		100000000	NA	D
Americium-241	SNL0092258	LWDS-MW1	89	23-AUG-92	GAMMA	0.119	<	0.119	NA	D
Antimony-125	SNL0092258	LWDS-MW1	89	23-AUG-92	GAMMA	0.222	<	0.222	NA	D
Barium-133	SNL0092258	LWDS-MW1	89	23-AUG-92	GAMMA	0.0725	<	0.0725	NA	D
Beryllium-7	SNL0092258	LWDS-MW1	89	23-AUG-92	GAMMA	0.534	<	0.534	NA	D
Bismuth-212	SNL0092258	LWDS-MW1	89	23-AUG-92	GAMMA	1.05	<	1.05	NA	D
Bismuth-214	SNL0092258	LWDS-MW1	89	23-AUG-92	GAMMA	0.6		100000000	NA	D
Cerium-144	SNL0092258	LWDS-MW1	89	23-AUG-92	GAMMA	0.649	<	0.649	NA	D
Cesium-134	SNL0092258	LWDS-MW1	89	23-AUG-92	GAMMA	0.0658	<	0.0658	NA	D
Cesium-137	SNL0092258	LWDS-MW1	89	23-AUG-92	GAMMA	0.0815	<	0.0815	0.079	D
Chromium-51	SNL0092258	LWDS-MW1	89	23-AUG-92	GAMMA	0.524	<	0.524	NA	D
Cobalt-57	SNL0092258	LWDS-MW1	89	23-AUG-92	GAMMA	0.054	<	0.054	NA	D
Cobalt-58	SNL0092258	LWDS-MW1	89	23-AUG-92	GAMMA	0.0619	<	0.0619	NA	D
Cobalt-60	SNL0092258	LWDS-MW1	89	23-AUG-92	GAMMA	0.11	<	0.11	NA	D
Lead-210	SNL0092258	LWDS-MW1	89	23-AUG-92	GAMMA	3.34	<	3.34	NA	D
Lead-212	SNL0092258	LWDS-MW1	89	23-AUG-92	GAMMA	0.5		100000000	NA	D
Lead-214	SNL0092258	LWDS-MW1	89	23-AUG-92	GAMMA	0.6		100000000	NA	D
Manganese-54	SNL0092258	LWDS-MW1	89	23-AUG-92	GAMMA	0.0324	<	0.0324	NA	D
Manganese-56	SNL0092258	LWDS-MW1	89	23-AUG-92	GAMMA	0.329	<	0.329	NA	D
Potassium-40	SNL0092258	LWDS-MW1	89	23-AUG-92	GAMMA	13		100000000	NA	D
Radium-226	SNL0092258	LWDS-MW1	89	23-AUG-92	GAMMA	1.82	<	1.82	1.76	D
Ruthenium-106	SNL0092258	LWDS-MW1	89	23-AUG-92	GAMMA	0.547	<	0.547	NA	D
Sodium-22	SNL0092258	LWDS-MW1	89	23-AUG-92	GAMMA	0.0582	<	0.0582	NA	D

Table A-6: Radionuclide analyses of soil samples from ER Site 5.

Analyte	Sample Number	Sample Location	Sample Depth (Ft)	Sample Date	Analytical Method	Activity (pCi/g)	Qualifier	Method Detection Limit	NMED Approved Background (pCi/g)	Sample Type
Sodium-24	SNL0092258	LWDS-MW1	89	23-AUG-92	GAMMA	0.0356	<	0.0356	NA	D
Thallium-208	SNL0092258	LWDS-MW1	89	23-AUG-92	GAMMA	0.2		100000000	NA	D
Thorium-234	SNL0092258	LWDS-MW1	89	23-AUG-92	GAMMA	1.52	<	1.52	1.4	D
Uranium-235	SNL0092258	LWDS-MW1	89	23-AUG-92	GAMMA	0.114	<	0.114	0.16	D
Xenon-133,-133M	SNL0092258	LWDS-MW1	89	23-AUG-92	GAMMA	0.471	<	0.471	NA	D
Zinc-65	SNL0092258	LWDS-MW1	89	23-AUG-92	GAMMA	0.277	<	0.277	NA	D
Zirconium-95	SNL0092258	LWDS-MW1	89	23-AUG-92	GAMMA	0.118	<	0.118	NA	D
Tritium	SNL0092266	LWDS-MW1	12	22-AUG-92	EPA H-01	-0.1		100000000	NA	F
Actinium-228	SNL0092267	LWDS-MW1	12	22-AUG-92	GAMMA	0.8		100000000	NA	F
Americium-241	SNL0092267	LWDS-MW1	12	22-AUG-92	GAMMA	0.156	<	0.156	NA	F
Antimony-125	SNL0092267	LWDS-MW1	12	22-AUG-92	GAMMA	0.143	<	0.143	NA	F
Barium-133	SNL0092267	LWDS-MW1	12	22-AUG-92	GAMMA	0.0772	<	0.0772	NA	F
Beryllium-7	SNL0092267	LWDS-MW1	12	22-AUG-92	GAMMA	0.321	<	0.321	NA	F
Bismuth-212	SNL0092267	LWDS-MW1	12	22-AUG-92	GAMMA	1.32	<	1.32	NA	F
Bismuth-214	SNL0092267	LWDS-MW1	12	22-AUG-92	GAMMA	0.6		100000000	NA	F
Cerium-144	SNL0092267	LWDS-MW1	12	22-AUG-92	GAMMA	0.714	<	0.714	NA	F
Cesium-134	SNL0092267	LWDS-MW1	12	22-AUG-92	GAMMA	0.0539	<	0.0539	NA	F
Cesium-137	SNL0092267	LWDS-MW1	12	22-AUG-92	GAMMA	0.075	<	0.075	0.079	F
Chromium-51	SNL0092267	LWDS-MW1	12	22-AUG-92	GAMMA	0.591	<	0.591	NA	F
Cobalt-57	SNL0092267	LWDS-MW1	12	22-AUG-92	GAMMA	0.0623	<	0.0623	NA	F
Cobalt-58	SNL0092267	LWDS-MW1	12	22-AUG-92	GAMMA	0.0604	<	0.0604	NA	F
Cobalt-60	SNL0092267	LWDS-MW1	12	22-AUG-92	GAMMA	0.104	<	0.104	NA	F
Lead-210	SNL0092267	LWDS-MW1	12	22-AUG-92	GAMMA	3.42	<	3.42	NA	F
Lead-212	SNL0092267	LWDS-MW1	12	22-AUG-92	GAMMA	0.5		100000000	NA	F
Lead-214	SNL0092267	LWDS-MW1	12	22-AUG-92	GAMMA	0.7		100000000	NA	F
Manganese-54	SNL0092267	LWDS-MW1	12	22-AUG-92	GAMMA	0.0893	<	0.0893	NA	F
Manganese-56	SNL0092267	LWDS-MW1	12	22-AUG-92	GAMMA	0.237	<	0.237	NA	F
Potassium-40	SNL0092267	LWDS-MW1	12	22-AUG-92	GAMMA	15		100000000	NA	F
Radium-226	SNL0092267	LWDS-MW1	12	22-AUG-92	GAMMA	1.99	<	1.99	1.76	F
Ruthenium-106	SNL0092267	LWDS-MW1	12	22-AUG-92	GAMMA	0.478	<	0.478	NA	F
Sodium-22	SNL0092267	LWDS-MW1	12	22-AUG-92	GAMMA	0.0672	<	0.0672	NA	F
Sodium-24	SNL0092267	LWDS-MW1	12	22-AUG-92	GAMMA	0.0746	<	0.0746	NA	F
Thallium-208	SNL0092267	LWDS-MW1	12	22-AUG-92	GAMMA	0.2		100000000	NA	F
Thorium-234	SNL0092267	LWDS-MW1	12	22-AUG-92	GAMMA	1.74	<	1.74	1.4	F
Uranium-235	SNL0092267	LWDS-MW1	12	22-AUG-92	GAMMA	0.121	<	0.121	0.16	F
Xenon-133,-133M	SNL0092267	LWDS-MW1	12	22-AUG-92	GAMMA	0.4	<	0.4	NA	F
Zinc-65	SNL0092267	LWDS-MW1	12	22-AUG-92	GAMMA	0.291	<	0.291	NA	F
Zirconium-95	SNL0092267	LWDS-MW1	12	22-AUG-92	GAMMA	0.135	<	0.135	NA	F
Tritium	SNL0092275	LWDS-MW1	21	22-AUG-92	EPA H-01	0		100000000	NA	F
Actinium-228	SNL0092276	LWDS-MW1	21	22-AUG-92	GAMMA	0.9		100000000	NA	F
Americium-241	SNL0092276	LWDS-MW1	21	22-AUG-92	GAMMA	0.168	<	0.168	NA	F
Antimony-125	SNL0092276	LWDS-MW1	21	22-AUG-92	GAMMA	0.227	<	0.227	NA	F
Barium-133	SNL0092276	LWDS-MW1	21	22-AUG-92	GAMMA	0.119	<	0.119	NA	F
Beryllium-7	SNL0092276	LWDS-MW1	21	22-AUG-92	GAMMA	0.742	<	0.742	NA	F
Bismuth-212	SNL0092276	LWDS-MW1	21	22-AUG-92	GAMMA	1.4	<	1.4	NA	F
Bismuth-214	SNL0092276	LWDS-MW1	21	22-AUG-92	GAMMA	0.7		100000000	NA	F
Cerium-144	SNL0092276	LWDS-MW1	21	22-AUG-92	GAMMA	0.697	<	0.697	NA	F
Cesium-134	SNL0092276	LWDS-MW1	21	22-AUG-92	GAMMA	0.0534	<	0.0534	NA	F
Cesium-137	SNL0092276	LWDS-MW1	21	22-AUG-92	GAMMA	0.0909	<	0.0909	0.079	F
Chromium-51	SNL0092276	LWDS-MW1	21	22-AUG-92	GAMMA	0.427	<	0.427	NA	F
Cobalt-57	SNL0092276	LWDS-MW1	21	22-AUG-92	GAMMA	0.0651	<	0.0651	NA	F
Cobalt-58	SNL0092276	LWDS-MW1	21	22-AUG-92	GAMMA	0.083	<	0.083	NA	F
Cobalt-60	SNL0092276	LWDS-MW1	21	22-AUG-92	GAMMA	0.109	<	0.109	NA	F
Lead-210	SNL0092276	LWDS-MW1	21	22-AUG-92	GAMMA	3.02	<	3.02	NA	F
Lead-212	SNL0092276	LWDS-MW1	21	22-AUG-92	GAMMA	0.6		100000000	NA	F
Lead-214	SNL0092276	LWDS-MW1	21	22-AUG-92	GAMMA	0.6		100000000	NA	F
Manganese-54	SNL0092276	LWDS-MW1	21	22-AUG-92	GAMMA	0.0987	<	0.0987	NA	F
Manganese-56	SNL0092276	LWDS-MW1	21	22-AUG-92	GAMMA	0.295	<	0.295	NA	F
Potassium-40	SNL0092276	LWDS-MW1	21	22-AUG-92	GAMMA	16		100000000	NA	F
Radium-226	SNL0092276	LWDS-MW1	21	22-AUG-92	GAMMA	2.25	<	2.25	1.76	F
Ruthenium-106	SNL0092276	LWDS-MW1	21	22-AUG-92	GAMMA	0.592	<	0.592	NA	F
Sodium-22	SNL0092276	LWDS-MW1	21	22-AUG-92	GAMMA	0.0396	<	0.0396	NA	F
Sodium-24	SNL0092276	LWDS-MW1	21	22-AUG-92	GAMMA	0.0264	<	0.0264	NA	F
Thallium-208	SNL0092276	LWDS-MW1	21	22-AUG-92	GAMMA	0.2		100000000	NA	F
Thorium-234	SNL0092276	LWDS-MW1	21	22-AUG-92	GAMMA	1.43	<	1.43	1.4	F
Uranium-235	SNL0092276	LWDS-MW1	21	22-AUG-92	GAMMA	0.14	<	0.14	0.16	F
Xenon-133,-133M	SNL0092276	LWDS-MW1	21	22-AUG-92	GAMMA	0.619	<	0.619	NA	F
Zinc-65	SNL0092276	LWDS-MW1	21	22-AUG-92	GAMMA	0.284	<	0.284	NA	F
Zirconium-95	SNL0092276	LWDS-MW1	21	22-AUG-92	GAMMA	0.159	<	0.159	NA	F
Tritium	SNL0092284	LWDS-MW1	30	22-AUG-92	EPA H-01	-0.1		100000000	NA	F

Table A-6: Radionuclide analyses of soil samples from ER Site 5.

Analyte	Sample Number	Sample Location	Sample Depth (Ft)	Sample Date	Analytical Method	Activity (pCi/g)	Qualifier	Method Detection Limit	NMED Approved Background (pCi/g)	Sample Type
Actinium-228	SNL0092285	LWDS-MW1	30	22-AUG-92	GAMMA	0.364	<	0.364	NA	F
Americium-241	SNL0092285	LWDS-MW1	30	22-AUG-92	GAMMA	0.106	<	0.106	NA	F
Antimony-125	SNL0092285	LWDS-MW1	30	22-AUG-92	GAMMA	0.179	<	0.179	NA	F
Barium-133	SNL0092285	LWDS-MW1	30	22-AUG-92	GAMMA	0.0828	<	0.0828	NA	F
Beryllium-7	SNL0092285	LWDS-MW1	30	22-AUG-92	GAMMA	0.537	<	0.537	NA	F
Bismuth-212	SNL0092285	LWDS-MW1	30	22-AUG-92	GAMMA	1.2	<	1.2	NA	F
Bismuth-214	SNL0092285	LWDS-MW1	30	22-AUG-92	GAMMA	0.6		100000000	NA	F
Cerium-144	SNL0092285	LWDS-MW1	30	22-AUG-92	GAMMA	0.583	<	0.583	NA	F
Cesium-134	SNL0092285	LWDS-MW1	30	22-AUG-92	GAMMA	0.0417	<	0.0417	NA	F
Cesium-137	SNL0092285	LWDS-MW1	30	22-AUG-92	GAMMA	0.0461	<	0.0461	0.079	F
Chromium-51	SNL0092285	LWDS-MW1	30	22-AUG-92	GAMMA	0.612	<	0.612	NA	F
Cobalt-57	SNL0092285	LWDS-MW1	30	22-AUG-92	GAMMA	0.0549	<	0.0549	NA	F
Cobalt-58	SNL0092285	LWDS-MW1	30	22-AUG-92	GAMMA	0.0486	<	0.0486	NA	F
Cobalt-60	SNL0092285	LWDS-MW1	30	22-AUG-92	GAMMA	0.0615	<	0.0615	NA	F
Lead-210	SNL0092285	LWDS-MW1	30	22-AUG-92	GAMMA	2.9	<	2.9	NA	F
Lead-212	SNL0092285	LWDS-MW1	30	22-AUG-92	GAMMA	0.173	<	0.173	NA	F
Lead-214	SNL0092285	LWDS-MW1	30	22-AUG-92	GAMMA	0.6		100000000	NA	F
Manganese-54	SNL0092285	LWDS-MW1	30	22-AUG-92	GAMMA	0.0683	<	0.0683	NA	F
Manganese-56	SNL0092285	LWDS-MW1	30	22-AUG-92	GAMMA	0.252	<	0.252	NA	F
Potassium-40	SNL0092285	LWDS-MW1	30	22-AUG-92	GAMMA	13		100000000	NA	F
Radium-226	SNL0092285	LWDS-MW1	30	22-AUG-92	GAMMA	1.77	<	1.77	1.76	F
Ruthenium-106	SNL0092285	LWDS-MW1	30	22-AUG-92	GAMMA	0.479	<	0.479	NA	F
Sodium-22	SNL0092285	LWDS-MW1	30	22-AUG-92	GAMMA	0.0581	<	0.0581	NA	F
Sodium-24	SNL0092285	LWDS-MW1	30	22-AUG-92	GAMMA	0.0352	<	0.0352	NA	F
Thallium-208	SNL0092285	LWDS-MW1	30	22-AUG-92	GAMMA	0.0951	<	0.0951	NA	F
Thorium-234	SNL0092285	LWDS-MW1	30	22-AUG-92	GAMMA	1.17	<	1.17	1.4	F
Uranium-235	SNL0092285	LWDS-MW1	30	22-AUG-92	GAMMA	0.11	<	0.11	0.16	F
Xenon-133,-133M	SNL0092285	LWDS-MW1	30	22-AUG-92	GAMMA	0.512	<	0.512	NA	F
Zinc-65	SNL0092285	LWDS-MW1	30	22-AUG-92	GAMMA	0.237	<	0.237	NA	F
Zirconium-95	SNL0092285	LWDS-MW1	30	22-AUG-92	GAMMA	0.14	<	0.14	NA	F
Tritium	SNL0092293	LWDS-MW1	39	22-AUG-92	EPA H-01	-0.1		100000000	NA	F
Actinium-228	SNL0092294	LWDS-MW1	39	22-AUG-92	GAMMA	0.8		100000000	NA	F
Americium-241	SNL0092294	LWDS-MW1	39	22-AUG-92	GAMMA	0.186	<	0.186	NA	F
Antimony-125	SNL0092294	LWDS-MW1	39	22-AUG-92	GAMMA	0.2	<	0.2	NA	F
Barium-133	SNL0092294	LWDS-MW1	39	22-AUG-92	GAMMA	0.0657	<	0.0657	NA	F
Beryllium-7	SNL0092294	LWDS-MW1	39	22-AUG-92	GAMMA	0.578	<	0.578	NA	F
Bismuth-212	SNL0092294	LWDS-MW1	39	22-AUG-92	GAMMA	1.38	<	1.38	NA	F
Bismuth-214	SNL0092294	LWDS-MW1	39	22-AUG-92	GAMMA	0.7		100000000	NA	F
Cerium-144	SNL0092294	LWDS-MW1	39	22-AUG-92	GAMMA	0.605	<	0.605	NA	F
Cesium-134	SNL0092294	LWDS-MW1	39	22-AUG-92	GAMMA	0.0713	<	0.0713	NA	F
Cesium-137	SNL0092294	LWDS-MW1	39	22-AUG-92	GAMMA	0.042	<	0.042	0.079	F
Chromium-51	SNL0092294	LWDS-MW1	39	22-AUG-92	GAMMA	0.396	<	0.396	NA	F
Cobalt-57	SNL0092294	LWDS-MW1	39	22-AUG-92	GAMMA	0.0692	<	0.0692	NA	F
Cobalt-58	SNL0092294	LWDS-MW1	39	22-AUG-92	GAMMA	0.0764	<	0.0764	NA	F
Cobalt-60	SNL0092294	LWDS-MW1	39	22-AUG-92	GAMMA	0.115	<	0.115	NA	F
Lead-210	SNL0092294	LWDS-MW1	39	22-AUG-92	GAMMA	3.34	<	3.34	NA	F
Lead-212	SNL0092294	LWDS-MW1	39	22-AUG-92	GAMMA	0.6		100000000	NA	F
Lead-214	SNL0092294	LWDS-MW1	39	22-AUG-92	GAMMA	0.6		100000000	NA	F
Manganese-54	SNL0092294	LWDS-MW1	39	22-AUG-92	GAMMA	0.0422	<	0.0422	NA	F
Manganese-56	SNL0092294	LWDS-MW1	39	22-AUG-92	GAMMA	0.199	<	0.199	NA	F
Potassium-40	SNL0092294	LWDS-MW1	39	22-AUG-92	GAMMA	17		100000000	NA	F
Radium-226	SNL0092294	LWDS-MW1	39	22-AUG-92	GAMMA	1.97	<	1.97	1.76	F
Ruthenium-106	SNL0092294	LWDS-MW1	39	22-AUG-92	GAMMA	0.318	<	0.318	NA	F
Sodium-22	SNL0092294	LWDS-MW1	39	22-AUG-92	GAMMA	0.0353	<	0.0353	NA	F
Sodium-24	SNL0092294	LWDS-MW1	39	22-AUG-92	GAMMA	0.0461	<	0.0461	NA	F
Thallium-208	SNL0092294	LWDS-MW1	39	22-AUG-92	GAMMA	0.2		100000000	NA	F
Thorium-234	SNL0092294	LWDS-MW1	39	22-AUG-92	GAMMA	1.39	<	1.39	1.4	F
Uranium-235	SNL0092294	LWDS-MW1	39	22-AUG-92	GAMMA	0.123	<	0.123	0.16	F
Xenon-133,-133M	SNL0092294	LWDS-MW1	39	22-AUG-92	GAMMA	0.733	<	0.733	NA	F
Zinc-65	SNL0092294	LWDS-MW1	39	22-AUG-92	GAMMA	0.254	<	0.254	NA	F
Zirconium-95	SNL0092294	LWDS-MW1	39	22-AUG-92	GAMMA	0.118	<	0.118	NA	F
Tritium	SNL0092302	LWDS-MW1	50	22-AUG-92	EPA H-01	0.1		100000000	NA	F
Actinium-228	SNL0092303	LWDS-MW1	50	22-AUG-92	GAMMA	0.7		100000000	NA	F
Americium-241	SNL0092303	LWDS-MW1	50	22-AUG-92	GAMMA	0.227	<	0.227	NA	F
Antimony-125	SNL0092303	LWDS-MW1	50	22-AUG-92	GAMMA	0.236	<	0.236	NA	F
Barium-133	SNL0092303	LWDS-MW1	50	22-AUG-92	GAMMA	0.112	<	0.112	NA	F
Beryllium-7	SNL0092303	LWDS-MW1	50	22-AUG-92	GAMMA	0.58	<	0.58	NA	F
Bismuth-212	SNL0092303	LWDS-MW1	50	22-AUG-92	GAMMA	1.48	<	1.48	NA	F
Bismuth-214	SNL0092303	LWDS-MW1	50	22-AUG-92	GAMMA	0.5		100000000	NA	F
Cerium-144	SNL0092303	LWDS-MW1	50	22-AUG-92	GAMMA	0.646	<	0.646	NA	F

Table A-6: Radionuclide analyses of soil samples from ER Site 5.

Analyte	Sample Number	Sample Location	Sample Depth (Ft)	Sample Date	Analytical Method	Activity (pCi/g)	Qualifier	Method Detection Limit	NMED Approved Background (pCi/g)	Sample Type
Cesium-134	SNL0092303	LWDS-MW1	50	22-AUG-92	GAMMA	0.0591	<	0.0591	NA	F
Cesium-137	SNL0092303	LWDS-MW1	50	22-AUG-92	GAMMA	0.0762	<	0.0762	0.079	F
Chromium-51	SNL0092303	LWDS-MW1	50	22-AUG-92	GAMMA	0.609	<	0.609	NA	F
Cobalt-57	SNL0092303	LWDS-MW1	50	22-AUG-92	GAMMA	0.0635	<	0.0635	NA	F
Cobalt-58	SNL0092303	LWDS-MW1	50	22-AUG-92	GAMMA	0.0657	<	0.0657	NA	F
Cobalt-60	SNL0092303	LWDS-MW1	50	22-AUG-92	GAMMA	0.1	<	0.1	NA	F
Lead-210	SNL0092303	LWDS-MW1	50	22-AUG-92	GAMMA	3.78	<	3.78	NA	F
Lead-212	SNL0092303	LWDS-MW1	50	22-AUG-92	GAMMA	0.6		100000000	NA	F
Lead-214	SNL0092303	LWDS-MW1	50	22-AUG-92	GAMMA	0.5		100000000	NA	F
Manganese-54	SNL0092303	LWDS-MW1	50	22-AUG-92	GAMMA	0.0864	<	0.0864	NA	F
Manganese-56	SNL0092303	LWDS-MW1	50	22-AUG-92	GAMMA	0.28	<	0.28	NA	F
Potassium-40	SNL0092303	LWDS-MW1	50	22-AUG-92	GAMMA	16		100000000	NA	F
Radium-226	SNL0092303	LWDS-MW1	50	22-AUG-92	GAMMA	1.99	<	1.99	1.76	F
Ruthenium-106	SNL0092303	LWDS-MW1	50	22-AUG-92	GAMMA	0.929	<	0.929	NA	F
Sodium-22	SNL0092303	LWDS-MW1	50	22-AUG-92	GAMMA	0.0879	<	0.0879	NA	F
Sodium-24	SNL0092303	LWDS-MW1	50	22-AUG-92	GAMMA	0.093	<	0.093	NA	F
Thallium-208	SNL0092303	LWDS-MW1	50	22-AUG-92	GAMMA	0.2		100000000	NA	F
Thorium-234	SNL0092303	LWDS-MW1	50	22-AUG-92	GAMMA	1.59	<	1.59	1.4	F
Uranium-235	SNL0092303	LWDS-MW1	50	22-AUG-92	GAMMA	0.122	<	0.122	0.16	F
Xenon-133,-133M	SNL0092303	LWDS-MW1	50	22-AUG-92	GAMMA	0.58	<	0.58	NA	F
Zinc-65	SNL0092303	LWDS-MW1	50	22-AUG-92	GAMMA	0.263	<	0.263	NA	F
Zirconium-95	SNL0092303	LWDS-MW1	50	22-AUG-92	GAMMA	0.167	<	0.167	NA	F
Tritium	SNL0092311	LWDS-MW1	50	22-AUG-92	EPA H-01	0		100000000	NA	D
Actinium-228	SNL0092312	LWDS-MW1	50	22-AUG-92	GAMMA	0.6		100000000	NA	D
Americium-241	SNL0092312	LWDS-MW1	50	22-AUG-92	GAMMA	0.205	<	0.205	NA	D
Antimony-125	SNL0092312	LWDS-MW1	50	22-AUG-92	GAMMA	0.194	<	0.194	NA	D
Barium-133	SNL0092312	LWDS-MW1	50	22-AUG-92	GAMMA	0.103	<	0.103	NA	D
Beryllium-7	SNL0092312	LWDS-MW1	50	22-AUG-92	GAMMA	0.459	<	0.459	NA	D
Bismuth-212	SNL0092312	LWDS-MW1	50	22-AUG-92	GAMMA	1.37	<	1.37	NA	D
Bismuth-214	SNL0092312	LWDS-MW1	50	22-AUG-92	GAMMA	0.6		100000000	NA	D
Cerium-144	SNL0092312	LWDS-MW1	50	22-AUG-92	GAMMA	0.712	<	0.712	NA	D
Cesium-134	SNL0092312	LWDS-MW1	50	22-AUG-92	GAMMA	0.0651	<	0.0651	NA	D
Cesium-137	SNL0092312	LWDS-MW1	50	22-AUG-92	GAMMA	0.0883	<	0.0883	0.079	D
Chromium-51	SNL0092312	LWDS-MW1	50	22-AUG-92	GAMMA	0.581	<	0.581	NA	D
Cobalt-57	SNL0092312	LWDS-MW1	50	22-AUG-92	GAMMA	0.0724	<	0.0724	NA	D
Cobalt-58	SNL0092312	LWDS-MW1	50	22-AUG-92	GAMMA	0.0581	<	0.0581	NA	D
Cobalt-60	SNL0092312	LWDS-MW1	50	22-AUG-92	GAMMA	0.0947	<	0.0947	NA	D
Lead-210	SNL0092312	LWDS-MW1	50	22-AUG-92	GAMMA	3.46	<	3.46	NA	D
Lead-212	SNL0092312	LWDS-MW1	50	22-AUG-92	GAMMA	0.5		100000000	NA	D
Lead-214	SNL0092312	LWDS-MW1	50	22-AUG-92	GAMMA	0.6		100000000	NA	D
Manganese-54	SNL0092312	LWDS-MW1	50	22-AUG-92	GAMMA	0.098	<	0.098	NA	D
Manganese-56	SNL0092312	LWDS-MW1	50	22-AUG-92	GAMMA	0.24	<	0.24	NA	D
Potassium-40	SNL0092312	LWDS-MW1	50	22-AUG-92	GAMMA	16		100000000	NA	D
Radium-226	SNL0092312	LWDS-MW1	50	22-AUG-92	GAMMA	2.17	<	2.17	1.76	D
Ruthenium-106	SNL0092312	LWDS-MW1	50	22-AUG-92	GAMMA	0.733	<	0.733	NA	D
Sodium-22	SNL0092312	LWDS-MW1	50	22-AUG-92	GAMMA	0.0575	<	0.0575	NA	D
Sodium-24	SNL0092312	LWDS-MW1	50	22-AUG-92	GAMMA	0.0782	<	0.0782	NA	D
Thallium-208	SNL0092312	LWDS-MW1	50	22-AUG-92	GAMMA	0.2		100000000	NA	D
Thorium-234	SNL0092312	LWDS-MW1	50	22-AUG-92	GAMMA	1.76	<	1.76	1.4	D
Uranium-235	SNL0092312	LWDS-MW1	50	22-AUG-92	GAMMA	0.136	<	0.136	0.16	D
Xenon-133,-133M	SNL0092312	LWDS-MW1	50	22-AUG-92	GAMMA	0.736	<	0.736	NA	D
Zinc-65	SNL0092312	LWDS-MW1	50	22-AUG-92	GAMMA	0.0897	<	0.0897	NA	D
Zirconium-95	SNL0092312	LWDS-MW1	50	22-AUG-92	GAMMA	0.143	<	0.143	NA	D
Tritium	SNL0092320	LWDS-MW1	60	22-AUG-92	EPA H-01	-0.1		100000000	NA	F
Actinium-228	SNL0092321	LWDS-MW1	60	22-AUG-92	GAMMA	0.6		100000000	NA	F
Americium-241	SNL0092321	LWDS-MW1	60	22-AUG-92	GAMMA	0.192	<	0.192	NA	F
Antimony-125	SNL0092321	LWDS-MW1	60	22-AUG-92	GAMMA	0.139	<	0.139	NA	F
Barium-133	SNL0092321	LWDS-MW1	60	22-AUG-92	GAMMA	0.0877	<	0.0877	NA	F
Beryllium-7	SNL0092321	LWDS-MW1	60	22-AUG-92	GAMMA	0.447	<	0.447	NA	F
Bismuth-212	SNL0092321	LWDS-MW1	60	22-AUG-92	GAMMA	1.11	<	1.11	NA	F
Bismuth-214	SNL0092321	LWDS-MW1	60	22-AUG-92	GAMMA	0.5		100000000	NA	F
Cerium-144	SNL0092321	LWDS-MW1	60	22-AUG-92	GAMMA	0.557	<	0.557	NA	F
Cesium-134	SNL0092321	LWDS-MW1	60	22-AUG-92	GAMMA	0.0603	<	0.0603	NA	F
Cesium-137	SNL0092321	LWDS-MW1	60	22-AUG-92	GAMMA	0.0628	<	0.0628	0.079	F
Chromium-51	SNL0092321	LWDS-MW1	60	22-AUG-92	GAMMA	0.609	<	0.609	NA	F
Cobalt-57	SNL0092321	LWDS-MW1	60	22-AUG-92	GAMMA	0.0387	<	0.0387	NA	F
Cobalt-58	SNL0092321	LWDS-MW1	60	22-AUG-92	GAMMA	0.0309	<	0.0309	NA	F
Cobalt-60	SNL0092321	LWDS-MW1	60	22-AUG-92	GAMMA	0.0874	<	0.0874	NA	F
Lead-210	SNL0092321	LWDS-MW1	60	22-AUG-92	GAMMA	2.71	<	2.71	NA	F
Lead-212	SNL0092321	LWDS-MW1	60	22-AUG-92	GAMMA	0.6		100000000	NA	F

Table A-6: Radionuclide analyses of soil samples from ER Site 5.

Analyte	Sample Number	Sample Location	Sample Depth (Ft)	Sample Date	Analytical Method	Activity (pCi/g)	Qualifier	Method Detection Limit	NMED Approved Background (pCi/g)	Sample Type
Lead-214	SNL0092321	LWDS-MW1	60	22-AUG-92	GAMMA	0.6		100000000	NA	F
Manganese-54	SNL0092321	LWDS-MW1	60	22-AUG-92	GAMMA	0.0506	<	0.0506	NA	F
Manganese-56	SNL0092321	LWDS-MW1	60	22-AUG-92	GAMMA	0.274	<	0.274	NA	F
Potassium-40	SNL0092321	LWDS-MW1	60	22-AUG-92	GAMMA	17		100000000	NA	F
Radium-226	SNL0092321	LWDS-MW1	60	22-AUG-92	GAMMA	1.67	<	1.67	1.76	F
Ruthenium-106	SNL0092321	LWDS-MW1	60	22-AUG-92	GAMMA	0.533	<	0.533	NA	F
Sodium-22	SNL0092321	LWDS-MW1	60	22-AUG-92	GAMMA	0.0546	<	0.0546	NA	F
Sodium-24	SNL0092321	LWDS-MW1	60	22-AUG-92	GAMMA	0.0504	<	0.0504	NA	F
Thallium-208	SNL0092321	LWDS-MW1	60	22-AUG-92	GAMMA	0.2		100000000	NA	F
Thorium-234	SNL0092321	LWDS-MW1	60	22-AUG-92	GAMMA	1.32	<	1.32	1.4	F
Uranium-235	SNL0092321	LWDS-MW1	60	22-AUG-92	GAMMA	0.104	<	0.104	0.16	F
Xenon-133,-133M	SNL0092321	LWDS-MW1	60	22-AUG-92	GAMMA	0.477	<	0.477	NA	F
Zinc-65	SNL0092321	LWDS-MW1	60	22-AUG-92	GAMMA	0.214	<	0.214	NA	F
Zirconium-95	SNL0092321	LWDS-MW1	60	22-AUG-92	GAMMA	0.136	<	0.136	NA	F
Tritium	SNL0092337	LWDS-MW1	120	25-AUG-92	EPA H-01	-0.1		100000000	NA	F
Actinium-228	SNL0092338	LWDS-MW1	120	25-AUG-92	GAMMA	0.7		100000000	NA	F
Americium-241	SNL0092338	LWDS-MW1	120	25-AUG-92	GAMMA	0.141	<	0.141	NA	F
Antimony-125	SNL0092338	LWDS-MW1	120	25-AUG-92	GAMMA	0.163	<	0.163	NA	F
Barium-133	SNL0092338	LWDS-MW1	120	25-AUG-92	GAMMA	0.0761	<	0.0761	NA	F
Beryllium-7	SNL0092338	LWDS-MW1	120	25-AUG-92	GAMMA	0.526	<	0.526	NA	F
Bismuth-212	SNL0092338	LWDS-MW1	120	25-AUG-92	GAMMA	1.12	<	1.12	NA	F
Bismuth-214	SNL0092338	LWDS-MW1	120	25-AUG-92	GAMMA	0.4		100000000	NA	F
Cerium-144	SNL0092338	LWDS-MW1	120	25-AUG-92	GAMMA	0.465	<	0.465	NA	F
Cesium-134	SNL0092338	LWDS-MW1	120	25-AUG-92	GAMMA	0.0349	<	0.0349	NA	F
Cesium-137	SNL0092338	LWDS-MW1	120	25-AUG-92	GAMMA	0.0448	<	0.0448	0.079	F
Chromium-51	SNL0092338	LWDS-MW1	120	25-AUG-92	GAMMA	0.51	<	0.51	NA	F
Cobalt-57	SNL0092338	LWDS-MW1	120	25-AUG-92	GAMMA	0.0493	<	0.0493	NA	F
Cobalt-58	SNL0092338	LWDS-MW1	120	25-AUG-92	GAMMA	0.0477	<	0.0477	NA	F
Cobalt-60	SNL0092338	LWDS-MW1	120	25-AUG-92	GAMMA	0.106	<	0.106	NA	F
Lead-210	SNL0092338	LWDS-MW1	120	25-AUG-92	GAMMA	2.59	<	2.59	NA	F
Lead-212	SNL0092338	LWDS-MW1	120	25-AUG-92	GAMMA	0.4		100000000	NA	F
Lead-214	SNL0092338	LWDS-MW1	120	25-AUG-92	GAMMA	0.5		100000000	NA	F
Manganese-54	SNL0092338	LWDS-MW1	120	25-AUG-92	GAMMA	0.0522	<	0.0522	NA	F
Manganese-56	SNL0092338	LWDS-MW1	120	25-AUG-92	GAMMA	0.173	<	0.173	NA	F
Potassium-40	SNL0092338	LWDS-MW1	120	25-AUG-92	GAMMA	18		100000000	NA	F
Radium-226	SNL0092338	LWDS-MW1	120	25-AUG-92	GAMMA	1.66	<	1.66	1.76	F
Ruthenium-106	SNL0092338	LWDS-MW1	120	25-AUG-92	GAMMA	0.611	<	0.611	NA	F
Sodium-22	SNL0092338	LWDS-MW1	120	25-AUG-92	GAMMA	0.0278	<	0.0278	NA	F
Sodium-24	SNL0092338	LWDS-MW1	120	25-AUG-92	GAMMA	0.0731	<	0.0731	NA	F
Thallium-208	SNL0092338	LWDS-MW1	120	25-AUG-92	GAMMA	0.2		100000000	NA	F
Thorium-234	SNL0092338	LWDS-MW1	120	25-AUG-92	GAMMA	1.3	<	1.3	1.4	F
Uranium-235	SNL0092338	LWDS-MW1	120	25-AUG-92	GAMMA	0.103	<	0.103	0.16	F
Xenon-133,-133M	SNL0092338	LWDS-MW1	120	25-AUG-92	GAMMA	0.439	<	0.439	NA	F
Zinc-65	SNL0092338	LWDS-MW1	120	25-AUG-92	GAMMA	0.204	<	0.204	NA	F
Zirconium-95	SNL0092338	LWDS-MW1	120	25-AUG-92	GAMMA	0.126	<	0.126	NA	F
Tritium	SNL0092346	LWDS-MW1	130	25-AUG-92	EPA H-01	0.1		100000000	NA	F
Actinium-228	SNL0092347	LWDS-MW1	130	25-AUG-92	GAMMA	1.1		100000000	NA	F
Americium-241	SNL0092347	LWDS-MW1	130	25-AUG-92	GAMMA	0.178	<	0.178	NA	F
Antimony-125	SNL0092347	LWDS-MW1	130	25-AUG-92	GAMMA	0.11	<	0.11	NA	F
Barium-133	SNL0092347	LWDS-MW1	130	25-AUG-92	GAMMA	0.092	<	0.092	NA	F
Beryllium-7	SNL0092347	LWDS-MW1	130	25-AUG-92	GAMMA	0.689	<	0.689	NA	F
Bismuth-212	SNL0092347	LWDS-MW1	130	25-AUG-92	GAMMA	1.48	<	1.48	NA	F
Bismuth-214	SNL0092347	LWDS-MW1	130	25-AUG-92	GAMMA	0.7		100000000	NA	F
Cerium-144	SNL0092347	LWDS-MW1	130	25-AUG-92	GAMMA	0.764	<	0.764	NA	F
Cesium-134	SNL0092347	LWDS-MW1	130	25-AUG-92	GAMMA	0.0606	<	0.0606	NA	F
Cesium-137	SNL0092347	LWDS-MW1	130	25-AUG-92	GAMMA	0.0985	<	0.0985	0.079	F
Chromium-51	SNL0092347	LWDS-MW1	130	25-AUG-92	GAMMA	0.454	<	0.454	NA	F
Cobalt-57	SNL0092347	LWDS-MW1	130	25-AUG-92	GAMMA	0.0748	<	0.0748	NA	F
Cobalt-58	SNL0092347	LWDS-MW1	130	25-AUG-92	GAMMA	0.0388	<	0.0388	NA	F
Cobalt-60	SNL0092347	LWDS-MW1	130	25-AUG-92	GAMMA	0.0582	<	0.0582	NA	F
Lead-210	SNL0092347	LWDS-MW1	130	25-AUG-92	GAMMA	3.51	<	3.51	NA	F
Lead-212	SNL0092347	LWDS-MW1	130	25-AUG-92	GAMMA	0.8		100000000	NA	F
Lead-214	SNL0092347	LWDS-MW1	130	25-AUG-92	GAMMA	0.7		100000000	NA	F
Manganese-54	SNL0092347	LWDS-MW1	130	25-AUG-92	GAMMA	0.0732	<	0.0732	NA	F
Manganese-56	SNL0092347	LWDS-MW1	130	25-AUG-92	GAMMA	0.23	<	0.23	NA	F
Potassium-40	SNL0092347	LWDS-MW1	130	25-AUG-92	GAMMA	15		100000000	NA	F
Radium-226	SNL0092347	LWDS-MW1	130	25-AUG-92	GAMMA	2.17	<	2.17	1.76	F
Ruthenium-106	SNL0092347	LWDS-MW1	130	25-AUG-92	GAMMA	0.834	<	0.834	NA	F
Sodium-22	SNL0092347	LWDS-MW1	130	25-AUG-92	GAMMA	0.101	<	0.101	NA	F
Sodium-24	SNL0092347	LWDS-MW1	130	25-AUG-92	GAMMA	0.0617	<	0.0617	NA	F

Table A-6: Radionuclide analyses of soil samples from ER Site 5.

Analyte	Sample Number	Sample Location	Sample Depth (Ft)	Sample Date	Analytical Method	Activity (pCi/g)	Qualifier	Method Detection Limit	NMED Approved Background (pCi/g)	Sample Type
Thallium-208	SNL0092347	LWDS-MW1	130	25-AUG-92	GAMMA	0.3		100000000	NA	F
Thorium-234	SNL0092347	LWDS-MW1	130	25-AUG-92	GAMMA	1.89	<	1.89	1.4	F
Uranium-235	SNL0092347	LWDS-MW1	130	25-AUG-92	GAMMA	0.136	<	0.136	0.16	F
Xenon-133,-133M	SNL0092347	LWDS-MW1	130	25-AUG-92	GAMMA	0.622	<	0.622	NA	F
Zinc-65	SNL0092347	LWDS-MW1	130	25-AUG-92	GAMMA	0.264	<	0.264	NA	F
Zirconium-95	SNL0092347	LWDS-MW1	130	25-AUG-92	GAMMA	0.141	<	0.141	NA	F
Tritium	SNL0092362	LWDS-MW1	143	02-SEP-92	EPA H-01	0		100000000	NA	F
Actinium-228	SNL0092363	LWDS-MW1	143	02-SEP-92	GAMMA	0.6		100000000	NA	F
Americium-241	SNL0092363	LWDS-MW1	143	02-SEP-92	GAMMA	0.179	<	0.179	NA	F
Antimony-125	SNL0092363	LWDS-MW1	143	02-SEP-92	GAMMA	0.171	<	0.171	NA	F
Barium-133	SNL0092363	LWDS-MW1	143	02-SEP-92	GAMMA	0.0844	<	0.0844	NA	F
Beryllium-7	SNL0092363	LWDS-MW1	143	02-SEP-92	GAMMA	0.559	<	0.559	NA	F
Bismuth-212	SNL0092363	LWDS-MW1	143	02-SEP-92	GAMMA	1.05	<	1.05	NA	F
Bismuth-214	SNL0092363	LWDS-MW1	143	02-SEP-92	GAMMA	0.5		100000000	NA	F
Cerium-144	SNL0092363	LWDS-MW1	143	02-SEP-92	GAMMA	0.575	<	0.575	NA	F
Cesium-134	SNL0092363	LWDS-MW1	143	02-SEP-92	GAMMA	0.468	<	0.468	NA	F
Cesium-137	SNL0092363	LWDS-MW1	143	02-SEP-92	GAMMA	0.0542	<	0.0542	0.079	F
Chromium-51	SNL0092363	LWDS-MW1	143	02-SEP-92	GAMMA	0.0489	<	0.0489	NA	F
Cobalt-57	SNL0092363	LWDS-MW1	143	02-SEP-92	GAMMA	0.0547	<	0.0547	NA	F
Cobalt-58	SNL0092363	LWDS-MW1	143	02-SEP-92	GAMMA	0.0621	<	0.0621	NA	F
Cobalt-60	SNL0092363	LWDS-MW1	143	02-SEP-92	GAMMA	0.0327	<	0.0327	NA	F
Lead-210	SNL0092363	LWDS-MW1	143	02-SEP-92	GAMMA	2.51	<	2.51	NA	F
Lead-212	SNL0092363	LWDS-MW1	143	02-SEP-92	GAMMA	0.5		100000000	NA	F
Lead-214	SNL0092363	LWDS-MW1	143	02-SEP-92	GAMMA	0.4		100000000	NA	F
Manganese-54	SNL0092363	LWDS-MW1	143	02-SEP-92	GAMMA	0.0689	<	0.0689	NA	F
Manganese-56	SNL0092363	LWDS-MW1	143	02-SEP-92	GAMMA	0.121	<	0.121	NA	F
Potassium-40	SNL0092363	LWDS-MW1	143	02-SEP-92	GAMMA	17		100000000	NA	F
Radium-226	SNL0092363	LWDS-MW1	143	02-SEP-92	GAMMA	1.6	<	1.6	1.76	F
Ruthenium-106	SNL0092363	LWDS-MW1	143	02-SEP-92	GAMMA	0.507	<	0.507	NA	F
Sodium-22	SNL0092363	LWDS-MW1	143	02-SEP-92	GAMMA	0.0434	<	0.0434	NA	F
Sodium-24	SNL0092363	LWDS-MW1	143	02-SEP-92	GAMMA	0.0478	<	0.0478	NA	F
Thallium-208	SNL0092363	LWDS-MW1	143	02-SEP-92	GAMMA	0.2		100000000	NA	F
Thorium-234	SNL0092363	LWDS-MW1	143	02-SEP-92	GAMMA	1.52	<	1.52	1.4	F
Uranium-235	SNL0092363	LWDS-MW1	143	02-SEP-92	GAMMA	1	<	1	0.16	F
Xenon-133,-133M	SNL0092363	LWDS-MW1	143	02-SEP-92	GAMMA	0.587	<	0.587	NA	F
Zinc-65	SNL0092363	LWDS-MW1	143	02-SEP-92	GAMMA	0.229	<	0.229	NA	F
Zirconium-95	SNL0092363	LWDS-MW1	143	02-SEP-92	GAMMA	0.144	<	0.144	NA	F
Tritium	SNL0092370	LWDS-MW1	150	02-SEP-92	EPA H-01	-0.1		100000000	NA	F
Actinium-228	SNL0092371	LWDS-MW1	150	02-SEP-92	GAMMA	0.6		100000000	NA	F
Americium-241	SNL0092371	LWDS-MW1	150	02-SEP-92	GAMMA	0.0905	<	0.0905	NA	F
Antimony-125	SNL0092371	LWDS-MW1	150	02-SEP-92	GAMMA	0.226	<	0.226	NA	F
Barium-133	SNL0092371	LWDS-MW1	150	02-SEP-92	GAMMA	0.0755	<	0.0755	NA	F
Beryllium-7	SNL0092371	LWDS-MW1	150	02-SEP-92	GAMMA	0.345	<	0.345	NA	F
Bismuth-212	SNL0092371	LWDS-MW1	150	02-SEP-92	GAMMA	1.08	<	1.08	NA	F
Bismuth-214	SNL0092371	LWDS-MW1	150	02-SEP-92	GAMMA	0.5		100000000	NA	F
Cerium-144	SNL0092371	LWDS-MW1	150	02-SEP-92	GAMMA	0.588	<	0.588	NA	F
Cesium-134	SNL0092371	LWDS-MW1	150	02-SEP-92	GAMMA	0.86	<	0.86	NA	F
Cesium-137	SNL0092371	LWDS-MW1	150	02-SEP-92	GAMMA	0.0589	<	0.0589	0.079	F
Chromium-51	SNL0092371	LWDS-MW1	150	02-SEP-92	GAMMA	0.0671	<	0.0671	NA	F
Cobalt-57	SNL0092371	LWDS-MW1	150	02-SEP-92	GAMMA	0.0353	<	0.0353	NA	F
Cobalt-58	SNL0092371	LWDS-MW1	150	02-SEP-92	GAMMA	0.0572	<	0.0572	NA	F
Cobalt-60	SNL0092371	LWDS-MW1	150	02-SEP-92	GAMMA	0.0774	<	0.0774	NA	F
Lead-210	SNL0092371	LWDS-MW1	150	02-SEP-92	GAMMA	2.64	<	2.64	NA	F
Lead-212	SNL0092371	LWDS-MW1	150	02-SEP-92	GAMMA	0.5		100000000	NA	F
Lead-214	SNL0092371	LWDS-MW1	150	02-SEP-92	GAMMA	0.5		100000000	NA	F
Manganese-54	SNL0092371	LWDS-MW1	150	02-SEP-92	GAMMA	0.0551	<	0.0551	NA	F
Manganese-56	SNL0092371	LWDS-MW1	150	02-SEP-92	GAMMA	0.268	<	0.268	NA	F
Potassium-40	SNL0092371	LWDS-MW1	150	02-SEP-92	GAMMA	15		100000000	NA	F
Radium-226	SNL0092371	LWDS-MW1	150	02-SEP-92	GAMMA	1.76	<	1.76	1.76	F
Ruthenium-106	SNL0092371	LWDS-MW1	150	02-SEP-92	GAMMA	0.63	<	0.63	NA	F
Sodium-22	SNL0092371	LWDS-MW1	150	02-SEP-92	GAMMA	0.0849	<	0.0849	NA	F
Sodium-24	SNL0092371	LWDS-MW1	150	02-SEP-92	GAMMA	0.0374	<	0.0374	NA	F
Thallium-208	SNL0092371	LWDS-MW1	150	02-SEP-92	GAMMA	0.2		100000000	NA	F
Thorium-234	SNL0092371	LWDS-MW1	150	02-SEP-92	GAMMA	1.4	<	1.4	1.4	F
Uranium-235	SNL0092371	LWDS-MW1	150	02-SEP-92	GAMMA	0.107	<	0.107	0.16	F
Xenon-133,-133M	SNL0092371	LWDS-MW1	150	02-SEP-92	GAMMA	0.617	<	0.617	NA	F
Zinc-65	SNL0092371	LWDS-MW1	150	02-SEP-92	GAMMA	0.229	<	0.229	NA	F
Zirconium-95	SNL0092371	LWDS-MW1	150	02-SEP-92	GAMMA	0.108	<	0.108	NA	F
Actinium-228	SNL0093731	LWDS-MW1	176	06-APR-93	GAMMA	0.94		0.36	NA	F
Americium-241	SNL0093731	LWDS-MW1	176	06-APR-93	GAMMA	0.078	U	0.078	NA	F

Table A-6: Radionuclide analyses of soil samples from ER Site 5.

Analyte	Sample Number	Sample Location	Sample Depth (Ft)	Sample Date	Analytical Method	Activity (pCi/g)	Qualifier	Method Detection Limit	NMED Approved Background (pCi/g)	Sample Type
Cerium-144	SNL0093731	LWDS-MW1	176	06-APR-93	GAMMA	0.29	U	0.29	NA	F
Cesium-134	SNL0093731	LWDS-MW1	176	06-APR-93	GAMMA	0.049	U	0.049	NA	F
Cesium-137	SNL0093731	LWDS-MW1	176	06-APR-93	GAMMA	0.059	U	0.059	0.079	F
Chromium-51	SNL0093731	LWDS-MW1	176	06-APR-93	GAMMA	0.89	U	0.89	NA	F
Cobalt-60	SNL0093731	LWDS-MW1	176	06-APR-93	GAMMA	0.059	U	0.059	NA	F
Iron-59	SNL0093731	LWDS-MW1	176	06-APR-93	GAMMA	0.22	U	0.22	NA	F
Lead-212	SNL0093731	LWDS-MW1	176	06-APR-93	GAMMA	0.86		0.16	NA	F
Lead-214	SNL0093731	LWDS-MW1	176	06-APR-93	GAMMA	0.71		0.22	NA	F
Potassium-40	SNL0093731	LWDS-MW1	176	06-APR-93	GAMMA	13		0.58	NA	F
Radium-226	SNL0093731	LWDS-MW1	176	06-APR-93	GAMMA	0.54		0.2	1.76	F
Ruthenium-103	SNL0093731	LWDS-MW1	176	06-APR-93	GAMMA	0.11	U	0.11	NA	F
Ruthenium-106	SNL0093731	LWDS-MW1	176	06-APR-93	GAMMA	0.52	U	0.52	NA	F
Thorium-231	SNL0093731	LWDS-MW1	176	06-APR-93	GAMMA	0.4	U	0.4	NA	F
Thorium-232	SNL0093731	LWDS-MW1	176	06-APR-93	GAMMA	0.94		0.36	1.01	F
Thorium-234	SNL0093731	LWDS-MW1	176	06-APR-93	GAMMA	0.63	U	0.63	1.4	F
Zirconium-95	SNL0093731	LWDS-MW1	176	06-APR-93	GAMMA	0.14	U	0.14	NA	F
Uranium-235	SNL0093732	LWDS-MW1	176	06-APR-93	TU	0.12		0.16	0.16	F
Uranium-238	SNL0093732	LWDS-MW1	176	06-APR-93	TU	0.84	U	0.84	1.4	F
Actinium-228	SNL0093734	LWDS-MW1	202	08-APR-93	GAMMA	0.48		0.53	NA	F
Americium-241	SNL0093734	LWDS-MW1	202	08-APR-93	GAMMA	0.089	U	0.089	NA	F
Cerium-144	SNL0093734	LWDS-MW1	202	08-APR-93	GAMMA	0.35	U	0.35	NA	F
Cesium-134	SNL0093734	LWDS-MW1	202	08-APR-93	GAMMA	0.059	U	0.059	NA	F
Cesium-137	SNL0093734	LWDS-MW1	202	08-APR-93	GAMMA	0.066	U	0.066	0.079	F
Chromium-51	SNL0093734	LWDS-MW1	202	08-APR-93	GAMMA	1.1	U	1.1	NA	F
Cobalt-60	SNL0093734	LWDS-MW1	202	08-APR-93	GAMMA	0.075	U	0.075	NA	F
Iron-59	SNL0093734	LWDS-MW1	202	08-APR-93	GAMMA	0.24	U	0.24	NA	F
Lead-212	SNL0093734	LWDS-MW1	202	08-APR-93	GAMMA	0.92		0.18	NA	F
Lead-214	SNL0093734	LWDS-MW1	202	08-APR-93	GAMMA	0.64		0.25	NA	F
Potassium-40	SNL0093734	LWDS-MW1	202	08-APR-93	GAMMA	13		1.2	NA	F
Radium-226	SNL0093734	LWDS-MW1	202	08-APR-93	GAMMA	0.58		0.18	1.76	F
Ruthenium-103	SNL0093734	LWDS-MW1	202	08-APR-93	GAMMA	0.13	U	0.13	NA	F
Ruthenium-106	SNL0093734	LWDS-MW1	202	08-APR-93	GAMMA	0.62	U	0.62	NA	F
Thorium-231	SNL0093734	LWDS-MW1	202	08-APR-93	GAMMA	0.36		0.76	NA	F
Thorium-232	SNL0093734	LWDS-MW1	202	08-APR-93	GAMMA	0.48		0.53	1.01	F
Thorium-234	SNL0093734	LWDS-MW1	202	08-APR-93	GAMMA	1.3		1.3	1.4	F
Zirconium-95	SNL0093734	LWDS-MW1	202	08-APR-93	GAMMA	0.16	U	0.16	NA	F
Uranium-235	SNL0093735	LWDS-MW1	202	08-APR-93	TU	0.12		0.19	0.16	F
Uranium-238	SNL0093735	LWDS-MW1	202	08-APR-93	TU	1.5		1.6	1.4	F
Actinium-228	SNL0093737	LWDS-MW1	226	13-APR-93	GAMMA	0.75		0.49	NA	F
Americium-241	SNL0093737	LWDS-MW1	226	13-APR-93	GAMMA	0.1	U	0.1	NA	F
Cerium-144	SNL0093737	LWDS-MW1	226	13-APR-93	GAMMA	0.36	U	0.36	NA	F
Cesium-134	SNL0093737	LWDS-MW1	226	13-APR-93	GAMMA	0.06	U	0.06	NA	F
Cesium-137	SNL0093737	LWDS-MW1	226	13-APR-93	GAMMA	0.081	U	0.081	0.079	F
Chromium-51	SNL0093737	LWDS-MW1	226	13-APR-93	GAMMA	1.1	U	1.1	NA	F
Cobalt-60	SNL0093737	LWDS-MW1	226	13-APR-93	GAMMA	0.074	U	0.074	NA	F
Iron-59	SNL0093737	LWDS-MW1	226	13-APR-93	GAMMA	0.22	U	0.22	NA	F
Lead-212	SNL0093737	LWDS-MW1	226	13-APR-93	GAMMA	0.96		0.17	NA	F
Lead-214	SNL0093737	LWDS-MW1	226	13-APR-93	GAMMA	0.94		0.28	NA	F
Potassium-40	SNL0093737	LWDS-MW1	226	13-APR-93	GAMMA	14		1.2	NA	F
Radium-226	SNL0093737	LWDS-MW1	226	13-APR-93	GAMMA	0.8		0.3	1.76	F
Ruthenium-103	SNL0093737	LWDS-MW1	226	13-APR-93	GAMMA	0.11	U	0.11	NA	F
Ruthenium-106	SNL0093737	LWDS-MW1	226	13-APR-93	GAMMA	0.58	U	0.58	NA	F
Thorium-231	SNL0093737	LWDS-MW1	226	13-APR-93	GAMMA	0.52	U	0.52	NA	F
Thorium-232	SNL0093737	LWDS-MW1	226	13-APR-93	GAMMA	0.75		0.49	1.01	F
Thorium-234	SNL0093737	LWDS-MW1	226	13-APR-93	GAMMA	0.53		1.2	1.4	F
Zirconium-95	SNL0093737	LWDS-MW1	226	13-APR-93	GAMMA	0.17	U	0.17	NA	F
Uranium-235	SNL0093738	LWDS-MW1	226	13-APR-93	TU	0.061		0.15	0.16	F
Uranium-238	SNL0093738	LWDS-MW1	226	13-APR-93	TU	1.7		2	1.4	F
Actinium-228	SNL0093740	LWDS-MW1	250	14-APR-93	GAMMA	0.96		0.53	NA	F
Americium-241	SNL0093740	LWDS-MW1	250	14-APR-93	GAMMA	0.086	U	0.086	NA	F
Cerium-144	SNL0093740	LWDS-MW1	250	14-APR-93	GAMMA	0.33	U	0.33	NA	F
Cesium-134	SNL0093740	LWDS-MW1	250	14-APR-93	GAMMA	0.06	U	0.06	NA	F
Cesium-137	SNL0093740	LWDS-MW1	250	14-APR-93	GAMMA	0.075	U	0.075	0.079	F
Chromium-51	SNL0093740	LWDS-MW1	250	14-APR-93	GAMMA	0.96	U	0.96	NA	F
Cobalt-60	SNL0093740	LWDS-MW1	250	14-APR-93	GAMMA	0.064	U	0.064	NA	F
Iron-59	SNL0093740	LWDS-MW1	250	14-APR-93	GAMMA	0.25	U	0.25	NA	F
Lead-212	SNL0093740	LWDS-MW1	250	14-APR-93	GAMMA	0.92		0.12	NA	F
Lead-214	SNL0093740	LWDS-MW1	250	14-APR-93	GAMMA	0.64		0.22	NA	F
Potassium-40	SNL0093740	LWDS-MW1	250	14-APR-93	GAMMA	13		1	NA	F
Radium-226	SNL0093740	LWDS-MW1	250	14-APR-93	GAMMA	0.59		0.31	1.76	F

Table A-6: Radionuclide analyses of soil samples from ER Site 5.

Analyte	Sample Number	Sample Location	Sample Depth (Ft)	Sample Date	Analytical Method	Activity (pCi/g)	Qualifier	Method Detection Limit	NMED Approved Background (pCi/g)	Sample Type
Ruthenium-103	SNL0093740	LWDS-MW1	250	14-APR-93	GAMMA	0.11	U	0.11	NA	F
Ruthenium-106	SNL0093740	LWDS-MW1	250	14-APR-93	GAMMA	0.55	U	0.55	NA	F
Thorium-231	SNL0093740	LWDS-MW1	250	14-APR-93	GAMMA	0.47	U	0.47	NA	F
Thorium-232	SNL0093740	LWDS-MW1	250	14-APR-93	GAMMA	0.96		0.53	1.01	F
Thorium-234	SNL0093740	LWDS-MW1	250	14-APR-93	GAMMA	0.72	U	0.72	1.4	F
Zirconium-95	SNL0093740	LWDS-MW1	250	14-APR-93	GAMMA	0.16	U	0.16	NA	F
Uranium-235	SNL0093741	LWDS-MW1	250	14-APR-93	TU	0.004		0.12	0.16	F
Uranium-238	SNL0093741	LWDS-MW1	250	14-APR-93	TU	0.79		1.5	1.4	F
Actinium-228	SNL0093743	LWDS-MW1	274	15-APR-93	GAMMA	0.68		0.51	NA	F
Americium-241	SNL0093743	LWDS-MW1	274	15-APR-93	GAMMA	0.11	U	0.11	NA	F
Cerium-144	SNL0093743	LWDS-MW1	274	15-APR-93	GAMMA	0.36	U	0.36	NA	F
Cesium-134	SNL0093743	LWDS-MW1	274	15-APR-93	GAMMA	0.058	U	0.058	NA	F
Cesium-137	SNL0093743	LWDS-MW1	274	15-APR-93	GAMMA	0.063	U	0.063	0.079	F
Chromium-51	SNL0093743	LWDS-MW1	274	15-APR-93	GAMMA	0.93	U	0.93	NA	F
Cobalt-60	SNL0093743	LWDS-MW1	274	15-APR-93	GAMMA	0.071	U	0.071	NA	F
Iron-59	SNL0093743	LWDS-MW1	274	15-APR-93	GAMMA	0.22	U	0.22	NA	F
Lead-212	SNL0093743	LWDS-MW1	274	15-APR-93	GAMMA	0.92		0.16	NA	F
Lead-214	SNL0093743	LWDS-MW1	274	15-APR-93	GAMMA	0.56		0.23	NA	F
Potassium-40	SNL0093743	LWDS-MW1	274	15-APR-93	GAMMA	14		1.2	NA	F
Radium-226	SNL0093743	LWDS-MW1	274	15-APR-93	GAMMA	0.7		0.2	1.76	F
Ruthenium-103	SNL0093743	LWDS-MW1	274	15-APR-93	GAMMA	0.11	U	0.11	NA	F
Ruthenium-106	SNL0093743	LWDS-MW1	274	15-APR-93	GAMMA	0.58	U	0.58	NA	F
Thorium-231	SNL0093743	LWDS-MW1	274	15-APR-93	GAMMA	0.5	U	0.5	NA	F
Thorium-232	SNL0093743	LWDS-MW1	274	15-APR-93	GAMMA	0.68		0.51	1.01	F
Thorium-234	SNL0093743	LWDS-MW1	274	15-APR-93	GAMMA	0.71	U	0.71	1.4	F
Zirconium-95	SNL0093743	LWDS-MW1	274	15-APR-93	GAMMA	0.17	U	0.17	NA	F
Uranium-235	SNL0093744	LWDS-MW1	274	15-APR-93	TU	0.049		0.12	0.16	F
Uranium-238	SNL0093744	LWDS-MW1	274	15-APR-93	TU	1.1	U	1.1	1.4	F
Actinium-228	SNL0093746	LWDS-MW1	346	19-APR-93	GAMMA	0.76		0.45	NA	D
Americium-241	SNL0093746	LWDS-MW1	346	19-APR-93	GAMMA	0.078	U	0.078	NA	D
Cerium-144	SNL0093746	LWDS-MW1	346	19-APR-93	GAMMA	0.27	U	0.27	NA	D
Cesium-134	SNL0093746	LWDS-MW1	346	19-APR-93	GAMMA	0.056	U	0.056	NA	D
Cesium-137	SNL0093746	LWDS-MW1	346	19-APR-93	GAMMA	0.065	U	0.065	0.079	D
Chromium-51	SNL0093746	LWDS-MW1	346	19-APR-93	GAMMA	0.7	U	0.7	NA	D
Cobalt-60	SNL0093746	LWDS-MW1	346	19-APR-93	GAMMA	0.071	U	0.071	NA	D
Iron-59	SNL0093746	LWDS-MW1	346	19-APR-93	GAMMA	0.15	U	0.15	NA	D
Lead-212	SNL0093746	LWDS-MW1	346	19-APR-93	GAMMA	0.68		0.14	NA	D
Lead-214	SNL0093746	LWDS-MW1	346	19-APR-93	GAMMA	0.64		0.22	NA	D
Potassium-40	SNL0093746	LWDS-MW1	346	19-APR-93	GAMMA	14		0.83	NA	D
Radium-226	SNL0093746	LWDS-MW1	346	19-APR-93	GAMMA	0.56		0.2	1.76	D
Ruthenium-103	SNL0093746	LWDS-MW1	346	19-APR-93	GAMMA	0.076	U	0.076	NA	D
Ruthenium-106	SNL0093746	LWDS-MW1	346	19-APR-93	GAMMA	0.5	U	0.5	NA	D
Thorium-231	SNL0093746	LWDS-MW1	346	19-APR-93	GAMMA	0.39	U	0.39	NA	D
Thorium-232	SNL0093746	LWDS-MW1	346	19-APR-93	GAMMA	0.76		0.45	1.01	D
Thorium-234	SNL0093746	LWDS-MW1	346	19-APR-93	GAMMA	0.61	U	0.61	1.4	D
Zirconium-95	SNL0093746	LWDS-MW1	346	19-APR-93	GAMMA	0.12	U	0.12	NA	D
Uranium-235	SNL0093747	LWDS-MW1	346	19-APR-93	TU	0.093		0.099	0.16	D
Uranium-238	SNL0093747	LWDS-MW1	346	19-APR-93	TU	0.91		1.4	1.4	D
Actinium-228	SNL0093749	LWDS-MW1	315	17-APR-93	GAMMA	1		0.52	NA	F
Americium-241	SNL0093749	LWDS-MW1	315	17-APR-93	GAMMA	0.1	U	0.1	NA	F
Cerium-144	SNL0093749	LWDS-MW1	315	17-APR-93	GAMMA	0.36	U	0.36	NA	F
Cesium-134	SNL0093749	LWDS-MW1	315	17-APR-93	GAMMA	0.066	U	0.066	NA	F
Cesium-137	SNL0093749	LWDS-MW1	315	17-APR-93	GAMMA	0.078	U	0.078	0.079	F
Chromium-51	SNL0093749	LWDS-MW1	315	17-APR-93	GAMMA	0.99	U	0.99	NA	F
Cobalt-60	SNL0093749	LWDS-MW1	315	17-APR-93	GAMMA	0.09	U	0.09	NA	F
Iron-59	SNL0093749	LWDS-MW1	315	17-APR-93	GAMMA	0.22	U	0.22	NA	F
Lead-212	SNL0093749	LWDS-MW1	315	17-APR-93	GAMMA	0.83		0.18	NA	F
Lead-214	SNL0093749	LWDS-MW1	315	17-APR-93	GAMMA	0.84		0.31	NA	F
Potassium-40	SNL0093749	LWDS-MW1	315	17-APR-93	GAMMA	15		1.5	NA	F
Radium-226	SNL0093749	LWDS-MW1	315	17-APR-93	GAMMA	0.6		0.25	1.76	F
Ruthenium-103	SNL0093749	LWDS-MW1	315	17-APR-93	GAMMA	0.094	U	0.094	NA	F
Ruthenium-106	SNL0093749	LWDS-MW1	315	17-APR-93	GAMMA	0.65	U	0.65	NA	F
Thorium-231	SNL0093749	LWDS-MW1	315	17-APR-93	GAMMA	0.51	U	0.51	NA	F
Thorium-232	SNL0093749	LWDS-MW1	315	17-APR-93	GAMMA	1		0.52	1.01	F
Thorium-234	SNL0093749	LWDS-MW1	315	17-APR-93	GAMMA	0.79	U	0.79	1.4	F
Zirconium-95	SNL0093749	LWDS-MW1	315	17-APR-93	GAMMA	0.18	U	0.18	NA	F
Uranium-235	SNL0093750	LWDS-MW1	315	17-APR-93	TU	0.16		0.17	0.16	F
Uranium-238	SNL0093750	LWDS-MW1	315	17-APR-93	TU	1.1	U	1.1	1.4	F
Actinium-228	SNL0093752	LWDS-MW1	346	19-APR-93	GAMMA	0.62		0.45	NA	F
Americium-241	SNL0093752	LWDS-MW1	346	19-APR-93	GAMMA	0.079	U	0.079	NA	F

Table A-6: Radionuclide analyses of soil samples from ER Site 5.

Analyte	Sample Number	Sample Location	Sample Depth (Ft)	Sample Date	Analytical Method	Activity (pCi/g)	Qualifier	Method Detection Limit	NMED Approved Background (pCi/g)	Sample Type
Cerium-144	SNL0093752	LWDS-MW1	346	19-APR-93	GAMMA	0.29	U	0.29	NA	F
Cesium-134	SNL0093752	LWDS-MW1	346	19-APR-93	GAMMA	0.05	U	0.05	NA	F
Cesium-137	SNL0093752	LWDS-MW1	346	19-APR-93	GAMMA	0.063	U	0.063	0.079	F
Chromium-51	SNL0093752	LWDS-MW1	346	19-APR-93	GAMMA	0.65	U	0.65	NA	F
Cobalt-60	SNL0093752	LWDS-MW1	346	19-APR-93	GAMMA	0.06	U	0.06	NA	F
Iron-59	SNL0093752	LWDS-MW1	346	19-APR-93	GAMMA	0.16	U	0.16	NA	F
Lead-212	SNL0093752	LWDS-MW1	346	19-APR-93	GAMMA	0.56		0.18	NA	F
Lead-214	SNL0093752	LWDS-MW1	346	19-APR-93	GAMMA	0.71		0.24	NA	F
Potassium-40	SNL0093752	LWDS-MW1	346	19-APR-93	GAMMA	12		0.68	NA	F
Radium-226	SNL0093752	LWDS-MW1	346	19-APR-93	GAMMA	0.56		0.19	1.76	F
Ruthenium-103	SNL0093752	LWDS-MW1	346	19-APR-93	GAMMA	0.08	U	0.08	NA	F
Ruthenium-106	SNL0093752	LWDS-MW1	346	19-APR-93	GAMMA	0.46	U	0.46	NA	F
Thorium-231	SNL0093752	LWDS-MW1	346	19-APR-93	GAMMA	0.39	U	0.39	NA	F
Thorium-232	SNL0093752	LWDS-MW1	346	19-APR-93	GAMMA	0.62		0.45	1.01	F
Thorium-234	SNL0093752	LWDS-MW1	346	19-APR-93	GAMMA	0.42		1.1	1.4	F
Zirconium-95	SNL0093752	LWDS-MW1	346	19-APR-93	GAMMA	0.12	U	0.12	NA	F
Uranium-235	SNL0093753	LWDS-MW1	346	19-APR-93	TU	0.075		0.17	0.16	F
Uranium-238	SNL0093753	LWDS-MW1	346	19-APR-93	TU	0.79		1.6	1.4	F
Actinium-228	SNL0093755	LWDS-MW1	390	21-APR-93	GAMMA	0.7		0.45	NA	F
Americium-241	SNL0093755	LWDS-MW1	390	21-APR-93	GAMMA	0.087	U	0.087	NA	F
Cerium-144	SNL0093755	LWDS-MW1	390	21-APR-93	GAMMA	0.31	U	0.31	NA	F
Cesium-134	SNL0093755	LWDS-MW1	390	21-APR-93	GAMMA	0.052	U	0.052	NA	F
Cesium-137	SNL0093755	LWDS-MW1	390	21-APR-93	GAMMA	0.067	U	0.067	0.079	F
Chromium-51	SNL0093755	LWDS-MW1	390	21-APR-93	GAMMA	0.68	U	0.68	NA	F
Cobalt-60	SNL0093755	LWDS-MW1	390	21-APR-93	GAMMA	0.08	U	0.08	NA	F
Iron-59	SNL0093755	LWDS-MW1	390	21-APR-93	GAMMA	0.18	U	0.18	NA	F
Lead-212	SNL0093755	LWDS-MW1	390	21-APR-93	GAMMA	0.71		0.15	NA	F
Lead-214	SNL0093755	LWDS-MW1	390	21-APR-93	GAMMA	0.57		0.28	NA	F
Potassium-40	SNL0093755	LWDS-MW1	390	21-APR-93	GAMMA	13		0.72	NA	F
Radium-226	SNL0093755	LWDS-MW1	390	21-APR-93	GAMMA	0.77		0.23	1.76	F
Ruthenium-103	SNL0093755	LWDS-MW1	390	21-APR-93	GAMMA	0.08	U	0.08	NA	F
Ruthenium-106	SNL0093755	LWDS-MW1	390	21-APR-93	GAMMA	0.47	U	0.47	NA	F
Thorium-231	SNL0093755	LWDS-MW1	390	21-APR-93	GAMMA	0.45	U	0.45	NA	F
Thorium-232	SNL0093755	LWDS-MW1	390	21-APR-93	GAMMA	0.7		0.45	1.01	F
Thorium-234	SNL0093755	LWDS-MW1	390	21-APR-93	GAMMA	0.69	U	0.69	1.4	F
Zirconium-95	SNL0093755	LWDS-MW1	390	21-APR-93	GAMMA	0.14	U	0.14	NA	F
Uranium-235	SNL0093756	LWDS-MW1	390	21-APR-93	TU	0.13		0.16	0.16	F
Uranium-238	SNL0093756	LWDS-MW1	390	21-APR-93	TU	0.95	U	0.95	1.4	F
Actinium-228	SNL0093758	LWDS-MW1	0	21-APR-93	GAMMA	0.5		0.58	NA	F
Americium-241	SNL0093758	LWDS-MW1	0	21-APR-93	GAMMA	0.088	U	0.088	NA	F
Cerium-144	SNL0093758	LWDS-MW1	0	21-APR-93	GAMMA	0.29	U	0.29	NA	F
Cesium-134	SNL0093758	LWDS-MW1	0	21-APR-93	GAMMA	0.054	U	0.054	NA	F
Cesium-137	SNL0093758	LWDS-MW1	0	21-APR-93	GAMMA	0.069	U	0.069	0.664	F
Chromium-51	SNL0093758	LWDS-MW1	0	21-APR-93	GAMMA	0.71	U	0.71	NA	F
Cobalt-60	SNL0093758	LWDS-MW1	0	21-APR-93	GAMMA	0.069	U	0.069	NA	F
Iron-59	SNL0093758	LWDS-MW1	0	21-APR-93	GAMMA	0.19	U	0.19	NA	F
Lead-212	SNL0093758	LWDS-MW1	0	21-APR-93	GAMMA	0.79		0.16	NA	F
Lead-214	SNL0093758	LWDS-MW1	0	21-APR-93	GAMMA	0.61		0.22	NA	F
Potassium-40	SNL0093758	LWDS-MW1	0	21-APR-93	GAMMA	11		1.2	NA	F
Radium-226	SNL0093758	LWDS-MW1	0	21-APR-93	GAMMA	0.47		0.21	2.3	F
Ruthenium-103	SNL0093758	LWDS-MW1	0	21-APR-93	GAMMA	0.088	U	0.088	NA	F
Ruthenium-106	SNL0093758	LWDS-MW1	0	21-APR-93	GAMMA	0.53	U	0.53	NA	F
Thorium-231	SNL0093758	LWDS-MW1	0	21-APR-93	GAMMA	0.4	U	0.4	NA	F
Thorium-232	SNL0093758	LWDS-MW1	0	21-APR-93	GAMMA	0.5		0.58	1.01	F
Thorium-234	SNL0093758	LWDS-MW1	0	21-APR-93	GAMMA	0.77		1.2	1.4	F
Zirconium-95	SNL0093758	LWDS-MW1	0	21-APR-93	GAMMA	0.12	U	0.12	NA	F
Uranium-235	SNL0093759	LWDS-MW1	0	21-APR-93	TU	0.085		0.12	0.16	F
Uranium-238	SNL0093759	LWDS-MW1	0	21-APR-93	TU	1.1		1.3	1.4	F
Actinium-228	SNL0093761	LWDS-MW1	444	27-APR-93	GAMMA	0.97		0.19	NA	F
Americium-241	SNL0093761	LWDS-MW1	444	27-APR-93	GAMMA	0.055	U	0.055	NA	F
Cerium-144	SNL0093761	LWDS-MW1	444	27-APR-93	GAMMA	0.18	U	0.18	NA	F
Cesium-134	SNL0093761	LWDS-MW1	444	27-APR-93	GAMMA	0.026	U	0.026	NA	F
Cesium-137	SNL0093761	LWDS-MW1	444	27-APR-93	GAMMA	0.033	U	0.033	0.079	F
Chromium-51	SNL0093761	LWDS-MW1	444	27-APR-93	GAMMA	0.51	U	0.51	NA	F
Cobalt-60	SNL0093761	LWDS-MW1	444	27-APR-93	GAMMA	0.043	U	0.043	NA	F
Iron-59	SNL0093761	LWDS-MW1	444	27-APR-93	GAMMA	0.12	U	0.12	NA	F
Lead-212	SNL0093761	LWDS-MW1	444	27-APR-93	GAMMA	1.1		0.071	NA	F
Lead-214	SNL0093761	LWDS-MW1	444	27-APR-93	GAMMA	0.83		0.1	NA	F
Potassium-40	SNL0093761	LWDS-MW1	444	27-APR-93	GAMMA	18		0.42	NA	F
Radium-226	SNL0093761	LWDS-MW1	444	27-APR-93	GAMMA	0.72		0.087	1.76	F

Table A-6: Radionuclide analyses of soil samples from ER Site 5.

Analyte	Sample Number	Sample Location	Sample Depth (Ft)	Sample Date	Analytical Method	Activity (pCi/g)	Qualifier	Method Detection Limit	NMED Approved Background (pCi/g)	Sample Type
Ruthenium-103	SNL0093761	LWDS-MW1	444	27-APR-93	GAMMA	0.054	U	0.054	NA	F
Ruthenium-106	SNL0093761	LWDS-MW1	444	27-APR-93	GAMMA	0.3		0.37	NA	F
Thorium-231	SNL0093761	LWDS-MW1	444	27-APR-93	GAMMA	0.48		0.33	NA	F
Thorium-232	SNL0093761	LWDS-MW1	444	27-APR-93	GAMMA	0.97		0.19	1.01	F
Thorium-234	SNL0093761	LWDS-MW1	444	27-APR-93	GAMMA	1.8		0.66	1.4	F
Zirconium-95	SNL0093761	LWDS-MW1	444	27-APR-93	GAMMA	0.084	U	0.084	NA	F
Uranium-235	SNL0093762	LWDS-MW1	444	27-APR-93	TU	0.093		0.092	0.16	F
Uranium-238	SNL0093762	LWDS-MW1	444	27-APR-93	TU	0.86		0.86	1.4	F
Actinium-228	SNL0093764	LWDS-MW1	0	30-APR-93	GAMMA	1		0.19	NA	F
Americium-241	SNL0093764	LWDS-MW1	0	30-APR-93	GAMMA	0.055	U	0.055	NA	F
Cerium-144	SNL0093764	LWDS-MW1	0	30-APR-93	GAMMA	0.18	U	0.18	NA	F
Cesium-134	SNL0093764	LWDS-MW1	0	30-APR-93	GAMMA	0.029	U	0.029	NA	F
Cesium-137	SNL0093764	LWDS-MW1	0	30-APR-93	GAMMA	0.032	U	0.032	0.664	F
Chromium-51	SNL0093764	LWDS-MW1	0	30-APR-93	GAMMA	0.47	U	0.47	NA	F
Cobalt-60	SNL0093764	LWDS-MW1	0	30-APR-93	GAMMA	0.042	U	0.042	NA	F
Iron-59	SNL0093764	LWDS-MW1	0	30-APR-93	GAMMA	0.12	U	0.12	NA	F
Lead-212	SNL0093764	LWDS-MW1	0	30-APR-93	GAMMA	1		0.074	NA	F
Lead-214	SNL0093764	LWDS-MW1	0	30-APR-93	GAMMA	1		0.12	NA	F
Potassium-40	SNL0093764	LWDS-MW1	0	30-APR-93	GAMMA	16		0.6	NA	F
Radium-226	SNL0093764	LWDS-MW1	0	30-APR-93	GAMMA	0.75		0.11	2.3	F
Ruthenium-103	SNL0093764	LWDS-MW1	0	30-APR-93	GAMMA	0.05	U	0.05	NA	F
Ruthenium-106	SNL0093764	LWDS-MW1	0	30-APR-93	GAMMA	0.33	U	0.33	NA	F
Thorium-231	SNL0093764	LWDS-MW1	0	30-APR-93	GAMMA	0.25	U	0.25	NA	F
Thorium-232	SNL0093764	LWDS-MW1	0	30-APR-93	GAMMA	1		0.19	1.01	F
Thorium-234	SNL0093764	LWDS-MW1	0	30-APR-93	GAMMA	0.41	U	0.41	1.4	F
Zirconium-95	SNL0093764	LWDS-MW1	0	30-APR-93	GAMMA	0.083	U	0.083	NA	F
Uranium-235	SNL0093765	LWDS-MW1	0	30-APR-93	TU	0.087		0.066	0.16	F
Uranium-238	SNL0093765	LWDS-MW1	0	30-APR-93	TU	2.2		1.3	1.4	F
Actinium-228	SNL0093881	LWDS-05-BH13	25	22-MAR-94	GAMMA	0.54		0.32	NA	F
Bismuth-214	SNL0093881	LWDS-05-BH13	25	22-MAR-94	GAMMA	0.81		0.16	NA	F
Cesium-137	SNL0093881	LWDS-05-BH13	25	22-MAR-94	GAMMA	0.047	U	0.047	0.079	F
Cobalt-60	SNL0093881	LWDS-05-BH13	25	22-MAR-94	GAMMA	0.056	U	0.056	NA	F
Lead-212	SNL0093881	LWDS-05-BH13	25	22-MAR-94	GAMMA	0.78		0.11	NA	F
Lead-214	SNL0093881	LWDS-05-BH13	25	22-MAR-94	GAMMA	0.77		0.13	NA	F
Potassium-40	SNL0093881	LWDS-05-BH13	25	22-MAR-94	GAMMA	14		0.75	NA	F
Radium-226	SNL0093881	LWDS-05-BH13	25	22-MAR-94	GAMMA	0.79		0.15	1.76	F
Radium-228	SNL0093881	LWDS-05-BH13	25	22-MAR-94	GAMMA	0.54		0.32	0.93	F
Thallium-208	SNL0093881	LWDS-05-BH13	25	22-MAR-94	GAMMA	0.74		0.26	NA	F
Thorium-228	SNL0093881	LWDS-05-BH13	25	22-MAR-94	GAMMA	0.8		0.28	NA	F
Thorium-232	SNL0093881	LWDS-05-BH13	25	22-MAR-94	GAMMA	0.54		0.32	1.01	F
Actinium-228	SNL0093883	LWDS-05-BH13	30	22-MAR-94	GAMMA	0.36		0.28	NA	F
Cesium-137	SNL0093883	LWDS-05-BH13	30	22-MAR-94	GAMMA	0.038	U	0.038	0.079	F
Cobalt-60	SNL0093883	LWDS-05-BH13	30	22-MAR-94	GAMMA	0.045	U	0.045	NA	F
Lead-212	SNL0093883	LWDS-05-BH13	30	22-MAR-94	GAMMA	0.55		0.085	NA	F
Lead-214	SNL0093883	LWDS-05-BH13	30	22-MAR-94	GAMMA	0.57		0.11	NA	F
Potassium-40	SNL0093883	LWDS-05-BH13	30	22-MAR-94	GAMMA	12		0.69	NA	F
Radium-226	SNL0093883	LWDS-05-BH13	30	22-MAR-94	GAMMA	0.47		0.13	1.76	F
Radium-228	SNL0093883	LWDS-05-BH13	30	22-MAR-94	GAMMA	0.36		0.28	0.93	F
Thallium-208	SNL0093883	LWDS-05-BH13	30	22-MAR-94	GAMMA	0.55		0.25	NA	F
Thorium-228	SNL0093883	LWDS-05-BH13	30	22-MAR-94	GAMMA	0.6		0.27	NA	F
Thorium-232	SNL0093883	LWDS-05-BH13	30	22-MAR-94	GAMMA	0.36		0.28	1.01	F
Actinium-228	SNL0093885	LWDS-05-BH13	32.5	22-MAR-94	GAMMA	0.42		0.24	NA	F
Cesium-137	SNL0093885	LWDS-05-BH13	32.5	22-MAR-94	GAMMA	0.042	U	0.042	0.079	F
Cobalt-60	SNL0093885	LWDS-05-BH13	32.5	22-MAR-94	GAMMA	0.049	U	0.049	NA	F
Lead-212	SNL0093885	LWDS-05-BH13	32.5	22-MAR-94	GAMMA	0.5		0.084	NA	F
Lead-214	SNL0093885	LWDS-05-BH13	32.5	22-MAR-94	GAMMA	0.62		0.12	NA	F
Potassium-40	SNL0093885	LWDS-05-BH13	32.5	22-MAR-94	GAMMA	13		0.67	NA	F
Radium-226	SNL0093885	LWDS-05-BH13	32.5	22-MAR-94	GAMMA	0.54		0.11	1.76	F
Radium-228	SNL0093885	LWDS-05-BH13	32.5	22-MAR-94	GAMMA	0.42		0.24	0.93	F
Thallium-208	SNL0093885	LWDS-05-BH13	32.5	22-MAR-94	GAMMA	0.45		0.2	NA	F
Thorium-228	SNL0093885	LWDS-05-BH13	32.5	22-MAR-94	GAMMA	0.49		0.22	NA	F
Thorium-232	SNL0093885	LWDS-05-BH13	32.5	22-MAR-94	GAMMA	0.42		0.24	1.01	F
Actinium-228	SNL0093887	LWDS-05-BH13	35	22-MAR-94	GAMMA	0.5		0.27	NA	F
Cesium-137	SNL0093887	LWDS-05-BH13	35	22-MAR-94	GAMMA	0.044	U	0.044	0.079	F
Cobalt-60	SNL0093887	LWDS-05-BH13	35	22-MAR-94	GAMMA	0.042	U	0.042	NA	F
Lead-212	SNL0093887	LWDS-05-BH13	35	22-MAR-94	GAMMA	0.51		0.091	NA	F
Lead-214	SNL0093887	LWDS-05-BH13	35	22-MAR-94	GAMMA	0.57		0.15	NA	F
Potassium-40	SNL0093887	LWDS-05-BH13	35	22-MAR-94	GAMMA	12		0.59	NA	F
Radium-226	SNL0093887	LWDS-05-BH13	35	22-MAR-94	GAMMA	0.54		0.13	1.76	F
Radium-228	SNL0093887	LWDS-05-BH13	35	22-MAR-94	GAMMA	0.5		0.27	0.93	F

Table A-6: Radionuclide analyses of soil samples from ER Site 5.

Analyte	Sample Number	Sample Location	Sample Depth (Ft)	Sample Date	Analytical Method	Activity (pCi/g)	Qualifier	Method Detection Limit	NMED Approved Background (pCi/g)	Sample Type
Thallium-208	SNL0093887	LWDS-05-BH13	35	22-MAR-94	GAMMA	0.61		0.2	NA	F
Thorium-228	SNL0093887	LWDS-05-BH13	35	22-MAR-94	GAMMA	0.65		0.22	NA	F
Thorium-232	SNL0093887	LWDS-05-BH13	35	22-MAR-94	GAMMA	0.5		0.27	1.01	F
Actinium-228	SNL0093889	LWDS-05-BH13	37.5	22-MAR-94	GAMMA	0.34		0.26	NA	F
Bismuth-214	SNL0093889	LWDS-05-BH13	37.5	22-MAR-94	GAMMA	0.43		0.15	NA	F
Cesium-137	SNL0093889	LWDS-05-BH13	37.5	22-MAR-94	GAMMA	0.036	U	0.036	0.079	F
Cobalt-60	SNL0093889	LWDS-05-BH13	37.5	22-MAR-94	GAMMA	0.044	U	0.044	NA	F
Lead-212	SNL0093889	LWDS-05-BH13	37.5	22-MAR-94	GAMMA	0.41		0.065	NA	F
Lead-214	SNL0093889	LWDS-05-BH13	37.5	22-MAR-94	GAMMA	0.41		0.14	NA	F
Potassium-40	SNL0093889	LWDS-05-BH13	37.5	22-MAR-94	GAMMA	13		0.51	NA	F
Radium-226	SNL0093889	LWDS-05-BH13	37.5	22-MAR-94	GAMMA	0.42		0.14	1.76	F
Radium-228	SNL0093889	LWDS-05-BH13	37.5	22-MAR-94	GAMMA	0.34		0.26	0.93	F
Thallium-208	SNL0093889	LWDS-05-BH13	37.5	22-MAR-94	GAMMA	0.43		0.2	NA	F
Thorium-228	SNL0093889	LWDS-05-BH13	37.5	22-MAR-94	GAMMA	0.46		0.22	NA	F
Thorium-232	SNL0093889	LWDS-05-BH13	37.5	22-MAR-94	GAMMA	0.34		0.26	1.01	F
Actinium-228	SNL0093891	LWDS-05-BH13	40	22-MAR-94	GAMMA	0.42		0.35	NA	F
Cesium-137	SNL0093891	LWDS-05-BH13	40	22-MAR-94	GAMMA	0.04	U	0.04	0.079	F
Cobalt-60	SNL0093891	LWDS-05-BH13	40	22-MAR-94	GAMMA	0.054	U	0.054	NA	F
Lead-212	SNL0093891	LWDS-05-BH13	40	22-MAR-94	GAMMA	0.5		0.086	NA	F
Lead-214	SNL0093891	LWDS-05-BH13	40	22-MAR-94	GAMMA	0.6		0.14	NA	F
Potassium-40	SNL0093891	LWDS-05-BH13	40	22-MAR-94	GAMMA	14		0.75	NA	F
Radium-226	SNL0093891	LWDS-05-BH13	40	22-MAR-94	GAMMA	0.52		0.13	1.76	F
Radium-228	SNL0093891	LWDS-05-BH13	40	22-MAR-94	GAMMA	0.42		0.35	0.93	F
Thallium-208	SNL0093891	LWDS-05-BH13	40	22-MAR-94	GAMMA	0.48		0.21	NA	F
Thorium-228	SNL0093891	LWDS-05-BH13	40	22-MAR-94	GAMMA	0.51		0.22	NA	F
Thorium-232	SNL0093891	LWDS-05-BH13	40	22-MAR-94	GAMMA	0.42		0.35	1.01	F
Actinium-228	SNL0093893	LWDS-05-BH13	45	22-MAR-94	GAMMA	0.36		0.25	NA	F
Cesium-137	SNL0093893	LWDS-05-BH13	45	22-MAR-94	GAMMA	0.041	U	0.041	0.079	F
Cobalt-60	SNL0093893	LWDS-05-BH13	45	22-MAR-94	GAMMA	0.054	U	0.054	NA	F
Lead-212	SNL0093893	LWDS-05-BH13	45	22-MAR-94	GAMMA	0.47		0.094	NA	F
Lead-214	SNL0093893	LWDS-05-BH13	45	22-MAR-94	GAMMA	0.56		0.12	NA	F
Potassium-40	SNL0093893	LWDS-05-BH13	45	22-MAR-94	GAMMA	14		0.45	NA	F
Radium-226	SNL0093893	LWDS-05-BH13	45	22-MAR-94	GAMMA	0.48		0.098	1.76	F
Radium-228	SNL0093893	LWDS-05-BH13	45	22-MAR-94	GAMMA	0.36		0.25	0.93	F
Thallium-208	SNL0093893	LWDS-05-BH13	45	22-MAR-94	GAMMA	0.58		0.25	NA	F
Thorium-228	SNL0093893	LWDS-05-BH13	45	22-MAR-94	GAMMA	0.62		0.27	NA	F
Thorium-232	SNL0093893	LWDS-05-BH13	45	22-MAR-94	GAMMA	0.36		0.25	1.01	F
Actinium-228	SNL0093895	LWDS-05-BH13	50	22-MAR-94	GAMMA	0.54		0.29	NA	F
Cesium-137	SNL0093895	LWDS-05-BH13	50	22-MAR-94	GAMMA	0.037	U	0.037	0.079	F
Cobalt-60	SNL0093895	LWDS-05-BH13	50	22-MAR-94	GAMMA	0.043	U	0.043	NA	F
Lead-212	SNL0093895	LWDS-05-BH13	50	22-MAR-94	GAMMA	0.48		0.071	NA	F
Lead-214	SNL0093895	LWDS-05-BH13	50	22-MAR-94	GAMMA	0.36		0.12	NA	F
Potassium-40	SNL0093895	LWDS-05-BH13	50	22-MAR-94	GAMMA	14		0.63	NA	F
Radium-226	SNL0093895	LWDS-05-BH13	50	22-MAR-94	GAMMA	0.36		0.14	1.76	F
Radium-228	SNL0093895	LWDS-05-BH13	50	22-MAR-94	GAMMA	0.54		0.29	0.93	F
Thallium-208	SNL0093895	LWDS-05-BH13	50	22-MAR-94	GAMMA	0.51		0.14	NA	F
Thorium-228	SNL0093895	LWDS-05-BH13	50	22-MAR-94	GAMMA	0.55		0.15	NA	F
Thorium-232	SNL0093895	LWDS-05-BH13	50	22-MAR-94	GAMMA	0.54		0.29	1.01	F
Bismuth-212	SNL0093897	LWDS-05-BH13	50	22-MAR-94	GAMMA	0.87		0.63	NA	D
Cesium-137	SNL0093897	LWDS-05-BH13	50	22-MAR-94	GAMMA	0.036	U	0.036	0.079	D
Cobalt-60	SNL0093897	LWDS-05-BH13	50	22-MAR-94	GAMMA	0.046	U	0.046	NA	D
Lead-212	SNL0093897	LWDS-05-BH13	50	22-MAR-94	GAMMA	0.35		0.083	NA	D
Lead-214	SNL0093897	LWDS-05-BH13	50	22-MAR-94	GAMMA	0.43		0.11	NA	D
Potassium-40	SNL0093897	LWDS-05-BH13	50	22-MAR-94	GAMMA	14		0.46	NA	D
Radium-226	SNL0093897	LWDS-05-BH13	50	22-MAR-94	GAMMA	0.29		0.088	1.76	D
Radium-228	SNL0093897	LWDS-05-BH13	50	22-MAR-94	GAMMA	0.076		0.21	0.93	D
Thallium-208	SNL0093897	LWDS-05-BH13	50	22-MAR-94	GAMMA	0.39		0.2	NA	D
Thorium-228	SNL0093897	LWDS-05-BH13	50	22-MAR-94	GAMMA	0.42		0.22	NA	D
Actinium-228	SNL0093899	LWDS-05-BH13	55	22-MAR-94	GAMMA	0.67		0.36	NA	F
Cesium-137	SNL0093899	LWDS-05-BH13	55	22-MAR-94	GAMMA	0.046	U	0.046	0.079	F
Cobalt-60	SNL0093899	LWDS-05-BH13	55	22-MAR-94	GAMMA	0.054	U	0.054	NA	F
Lead-212	SNL0093899	LWDS-05-BH13	55	22-MAR-94	GAMMA	0.57		0.095	NA	F
Lead-214	SNL0093899	LWDS-05-BH13	55	22-MAR-94	GAMMA	0.62		0.14	NA	F
Potassium-40	SNL0093899	LWDS-05-BH13	55	22-MAR-94	GAMMA	13		0.65	NA	F
Radium-226	SNL0093899	LWDS-05-BH13	55	22-MAR-94	GAMMA	0.49		0.17	1.76	F
Radium-228	SNL0093899	LWDS-05-BH13	55	22-MAR-94	GAMMA	0.67	U	0.36	0.93	F
Thallium-208	SNL0093899	LWDS-05-BH13	55	22-MAR-94	GAMMA	0.56		0.22	NA	F
Thorium-228	SNL0093899	LWDS-05-BH13	55	22-MAR-94	GAMMA	0.61		0.24	NA	F
Thorium-232	SNL0093899	LWDS-05-BH13	55	22-MAR-94	GAMMA	0.67		0.36	1.01	F
Actinium-228	SNL0093903	LWDS-05-BH14	25	23-MAR-94	GAMMA	0.67		0.24	NA	F

Table A-6: Radionuclide analyses of soil samples from ER Site 5.

Analyte	Sample Number	Sample Location	Sample Depth (Ft)	Sample Date	Analytical Method	Activity (pCi/g)	Qualifier	Method Detection Limit	NMED Approved Background (pCi/g)	Sample Type
Bismuth-214	SNL0093903	LWDS-05-BH14	25	23-MAR-94	GAMMA	0.51		0.12	NA	F
Cesium-137	SNL0093903	LWDS-05-BH14	25	23-MAR-94	GAMMA	0.034	U	0.034	0.079	F
Cobalt-60	SNL0093903	LWDS-05-BH14	25	23-MAR-94	GAMMA	0.046	U	0.046	NA	F
Lead-212	SNL0093903	LWDS-05-BH14	25	23-MAR-94	GAMMA	0.45		0.08	NA	F
Lead-214	SNL0093903	LWDS-05-BH14	25	23-MAR-94	GAMMA	0.62		0.14	NA	F
Potassium-40	SNL0093903	LWDS-05-BH14	25	23-MAR-94	GAMMA	11		0.25	NA	F
Radium-226	SNL0093903	LWDS-05-BH14	25	23-MAR-94	GAMMA	0.49		0.12	1.76	F
Radium-228	SNL0093903	LWDS-05-BH14	25	23-MAR-94	GAMMA	0.67		0.24	0.93	F
Thallium-208	SNL0093903	LWDS-05-BH14	25	23-MAR-94	GAMMA	0.39		0.14	NA	F
Thorium-228	SNL0093903	LWDS-05-BH14	25	23-MAR-94	GAMMA	0.42		0.16	NA	F
Thorium-232	SNL0093903	LWDS-05-BH14	25	23-MAR-94	GAMMA	0.67		0.24	1.01	F
Actinium-228	SNL0093905	LWDS-05-BH14	30	23-MAR-94	GAMMA	0.45		0.3	NA	F
Bismuth-214	SNL0093905	LWDS-05-BH14	30	23-MAR-94	GAMMA	0.51		0.11	NA	F
Cesium-137	SNL0093905	LWDS-05-BH14	30	23-MAR-94	GAMMA	0.039	U	0.039	0.079	F
Cobalt-60	SNL0093905	LWDS-05-BH14	30	23-MAR-94	GAMMA	0.081	U	0.1	NA	F
Lead-212	SNL0093905	LWDS-05-BH14	30	23-MAR-94	GAMMA	0.42		0.084	NA	F
Lead-214	SNL0093905	LWDS-05-BH14	30	23-MAR-94	GAMMA	0.69		0.12	NA	F
Potassium-40	SNL0093905	LWDS-05-BH14	30	23-MAR-94	GAMMA	10		0.38	NA	F
Radium-226	SNL0093905	LWDS-05-BH14	30	23-MAR-94	GAMMA	0.49		0.11	1.76	F
Radium-228	SNL0093905	LWDS-05-BH14	30	23-MAR-94	GAMMA	0.45		0.3	0.93	F
Thallium-208	SNL0093905	LWDS-05-BH14	30	23-MAR-94	GAMMA	0.5		0.18	NA	F
Thorium-228	SNL0093905	LWDS-05-BH14	30	23-MAR-94	GAMMA	0.54		0.19	NA	F
Thorium-232	SNL0093905	LWDS-05-BH14	30	23-MAR-94	GAMMA	0.45		0.3	1.01	F
Actinium-228	SNL0093907	LWDS-05-BH14	32.5	23-MAR-94	GAMMA	0.42		0.23	NA	F
Bismuth-214	SNL0093907	LWDS-05-BH14	32.5	23-MAR-94	GAMMA	0.41		0.094	NA	F
Cesium-137	SNL0093907	LWDS-05-BH14	32.5	23-MAR-94	GAMMA	0.038	U	0.038	0.079	F
Cobalt-60	SNL0093907	LWDS-05-BH14	32.5	23-MAR-94	GAMMA	0.047	U	0.047	NA	F
Lead-212	SNL0093907	LWDS-05-BH14	32.5	23-MAR-94	GAMMA	0.39		0.08	NA	F
Lead-214	SNL0093907	LWDS-05-BH14	32.5	23-MAR-94	GAMMA	0.38		0.14	NA	F
Potassium-40	SNL0093907	LWDS-05-BH14	32.5	23-MAR-94	GAMMA	8.5		0.41	NA	F
Radium-226	SNL0093907	LWDS-05-BH14	32.5	23-MAR-94	GAMMA	0.4		0.091	1.76	F
Radium-228	SNL0093907	LWDS-05-BH14	32.5	23-MAR-94	GAMMA	0.42		0.23	0.93	F
Thallium-208	SNL0093907	LWDS-05-BH14	32.5	23-MAR-94	GAMMA	0.31		0.22	NA	F
Thorium-228	SNL0093907	LWDS-05-BH14	32.5	23-MAR-94	GAMMA	0.34		0.24	NA	F
Thorium-232	SNL0093907	LWDS-05-BH14	32.5	23-MAR-94	GAMMA	0.42		0.23	1.01	F
Actinium-228	SNL0093909	LWDS-05-BH14	35	23-MAR-94	GAMMA	0.64		0.35	NA	F
Bismuth-214	SNL0093909	LWDS-05-BH14	35	23-MAR-94	GAMMA	0.68		0.2	NA	F
Cesium-137	SNL0093909	LWDS-05-BH14	35	23-MAR-94	GAMMA	0.054	U	0.054	0.079	F
Cobalt-60	SNL0093909	LWDS-05-BH14	35	23-MAR-94	GAMMA	0.043	U	0.043	NA	F
Lead-212	SNL0093909	LWDS-05-BH14	35	23-MAR-94	GAMMA	0.55		0.1	NA	F
Lead-214	SNL0093909	LWDS-05-BH14	35	23-MAR-94	GAMMA	0.67		0.15	NA	F
Potassium-40	SNL0093909	LWDS-05-BH14	35	23-MAR-94	GAMMA	12		0.74	NA	F
Radium-226	SNL0093909	LWDS-05-BH14	35	23-MAR-94	GAMMA	0.66		0.19	1.76	F
Radium-228	SNL0093909	LWDS-05-BH14	35	23-MAR-94	GAMMA	0.64		0.35	0.93	F
Thallium-208	SNL0093909	LWDS-05-BH14	35	23-MAR-94	GAMMA	0.52		0.24	NA	F
Thorium-228	SNL0093909	LWDS-05-BH14	35	23-MAR-94	GAMMA	0.56		0.26	NA	F
Thorium-232	SNL0093909	LWDS-05-BH14	35	23-MAR-94	GAMMA	0.64		0.35	1.01	F
Actinium-228	SNL0093911	LWDS-05-BH14	37.5	23-MAR-94	GAMMA	0.65		0.25	NA	F
Bismuth-214	SNL0093911	LWDS-05-BH14	37.5	23-MAR-94	GAMMA	0.59		0.11	NA	F
Cesium-137	SNL0093911	LWDS-05-BH14	37.5	23-MAR-94	GAMMA	0.037	U	0.037	0.079	F
Cobalt-60	SNL0093911	LWDS-05-BH14	37.5	23-MAR-94	GAMMA	0.054	U	0.054	NA	F
Lead-212	SNL0093911	LWDS-05-BH14	37.5	23-MAR-94	GAMMA	0.53		0.097	NA	F
Lead-214	SNL0093911	LWDS-05-BH14	37.5	23-MAR-94	GAMMA	0.6		0.11	NA	F
Potassium-40	SNL0093911	LWDS-05-BH14	37.5	23-MAR-94	GAMMA	13		0.35	NA	F
Radium-226	SNL0093911	LWDS-05-BH14	37.5	23-MAR-94	GAMMA	0.57		0.11	1.76	F
Radium-228	SNL0093911	LWDS-05-BH14	37.5	23-MAR-94	GAMMA	0.65		0.25	0.93	F
Thallium-208	SNL0093911	LWDS-05-BH14	37.5	23-MAR-94	GAMMA	0.39		0.21	NA	F
Thorium-228	SNL0093911	LWDS-05-BH14	37.5	23-MAR-94	GAMMA	0.42		0.23	NA	F
Thorium-232	SNL0093911	LWDS-05-BH14	37.5	23-MAR-94	GAMMA	0.65		0.25	1.01	F
Actinium-228	SNL0093913	LWDS-05-BH14	40	23-MAR-94	GAMMA	0.38		0.21	NA	F
Bismuth-214	SNL0093913	LWDS-05-BH14	40	23-MAR-94	GAMMA	0.48		0.099	NA	F
Cesium-137	SNL0093913	LWDS-05-BH14	40	23-MAR-94	GAMMA	0.031	U	0.031	0.079	F
Cobalt-60	SNL0093913	LWDS-05-BH14	40	23-MAR-94	GAMMA	0.041	U	0.041	NA	F
Lead-212	SNL0093913	LWDS-05-BH14	40	23-MAR-94	GAMMA	0.33		0.073	NA	F
Lead-214	SNL0093913	LWDS-05-BH14	40	23-MAR-94	GAMMA	0.54		0.097	NA	F
Potassium-40	SNL0093913	LWDS-05-BH14	40	23-MAR-94	GAMMA	7.7		0.47	NA	F
Radium-226	SNL0093913	LWDS-05-BH14	40	23-MAR-94	GAMMA	0.46		0.096	1.76	F
Radium-228	SNL0093913	LWDS-05-BH14	40	23-MAR-94	GAMMA	0.38		0.21	0.93	F
Thallium-208	SNL0093913	LWDS-05-BH14	40	23-MAR-94	GAMMA	0.36		0.16	NA	F
Thorium-228	SNL0093913	LWDS-05-BH14	40	23-MAR-94	GAMMA	0.39		0.18	NA	F

Table A-6: Radionuclide analyses of soil samples from ER Site 5.

Analyte	Sample Number	Sample Location	Sample Depth (Ft)	Sample Date	Analytical Method	Activity (pCi/g)	Qualifier	Method Detection Limit	NMED Approved Background (pCi/g)	Sample Type
Thorium-232	SNL0093913	LWDS-05-BH14	40	23-MAR-94	GAMMA	0.38		0.21	1.01	F
Actinium-228	SNL0093915	LWDS-05-BH14	45	23-MAR-94	GAMMA	0.94		0.27	NA	F
Bismuth-214	SNL0093915	LWDS-05-BH14	45	23-MAR-94	GAMMA	0.44		0.17	NA	F
Cesium-137	SNL0093915	LWDS-05-BH14	45	23-MAR-94	GAMMA	0.046	U	0.046	0.079	F
Cobalt-60	SNL0093915	LWDS-05-BH14	45	23-MAR-94	GAMMA	0.062	U	0.062	NA	F
Lead-212	SNL0093915	LWDS-05-BH14	45	23-MAR-94	GAMMA	0.42		0.13	NA	F
Lead-214	SNL0093915	LWDS-05-BH14	45	23-MAR-94	GAMMA	0.55		0.16	NA	F
Potassium-40	SNL0093915	LWDS-05-BH14	45	23-MAR-94	GAMMA	14		0.56	NA	F
Radium-226	SNL0093915	LWDS-05-BH14	45	23-MAR-94	GAMMA	0.43		0.16	1.76	F
Radium-228	SNL0093915	LWDS-05-BH14	45	23-MAR-94	GAMMA	0.94		0.27	0.93	F
Thallium-208	SNL0093915	LWDS-05-BH14	45	23-MAR-94	GAMMA	0.5		0.25	NA	F
Thorium-228	SNL0093915	LWDS-05-BH14	45	23-MAR-94	GAMMA	0.54		0.27	NA	F
Thorium-232	SNL0093915	LWDS-05-BH14	45	23-MAR-94	GAMMA	0.94		0.27	1.01	F
Actinium-228	SNL0093917	LWDS-05-BH14	50	23-MAR-94	GAMMA	0.83		0.32	NA	F
Bismuth-214	SNL0093917	LWDS-05-BH14	50	23-MAR-94	GAMMA	0.6		0.12	NA	F
Cesium-137	SNL0093917	LWDS-05-BH14	50	23-MAR-94	GAMMA	0.049	U	0.049	0.079	F
Cobalt-60	SNL0093917	LWDS-05-BH14	50	23-MAR-94	GAMMA	0.051	U	0.051	NA	F
Lead-212	SNL0093917	LWDS-05-BH14	50	23-MAR-94	GAMMA	0.63		0.1	NA	F
Lead-214	SNL0093917	LWDS-05-BH14	50	23-MAR-94	GAMMA	0.69		0.16	NA	F
Potassium-40	SNL0093917	LWDS-05-BH14	50	23-MAR-94	GAMMA	13		0.63	NA	F
Radium-226	SNL0093917	LWDS-05-BH14	50	23-MAR-94	GAMMA	0.58		0.12	1.76	F
Radium-228	SNL0093917	LWDS-05-BH14	50	23-MAR-94	GAMMA	0.83		0.32	0.93	F
Thallium-208	SNL0093917	LWDS-05-BH14	50	23-MAR-94	GAMMA	0.6		0.24	NA	F
Thorium-228	SNL0093917	LWDS-05-BH14	50	23-MAR-94	GAMMA	0.65		0.25	NA	F
Thorium-232	SNL0093917	LWDS-05-BH14	50	23-MAR-94	GAMMA	0.83		0.32	1.01	F
Actinium-228	SNL0093919	LWDS-05-BH14	55	23-MAR-94	GAMMA	0.61		0.32	NA	F
Bismuth-214	SNL0093919	LWDS-05-BH14	55	23-MAR-94	GAMMA	0.47		0.15	NA	F
Cesium-137	SNL0093919	LWDS-05-BH14	55	23-MAR-94	GAMMA	0.04	U	0.11	0.079	F
Cobalt-60	SNL0093919	LWDS-05-BH14	55	23-MAR-94	GAMMA	0.052	U	0.052	NA	F
Lead-212	SNL0093919	LWDS-05-BH14	55	23-MAR-94	GAMMA	0.61		0.086	NA	F
Lead-214	SNL0093919	LWDS-05-BH14	55	23-MAR-94	GAMMA	0.49		0.14	NA	F
Potassium-40	SNL0093919	LWDS-05-BH14	55	23-MAR-94	GAMMA	17		0.44	NA	F
Radium-226	SNL0093919	LWDS-05-BH14	55	23-MAR-94	GAMMA	0.45		0.15	1.76	F
Radium-228	SNL0093919	LWDS-05-BH14	55	23-MAR-94	GAMMA	0.61		0.32	0.93	F
Thallium-208	SNL0093919	LWDS-05-BH14	55	23-MAR-94	GAMMA	0.59		0.2	NA	F
Thorium-228	SNL0093919	LWDS-05-BH14	55	23-MAR-94	GAMMA	0.64		0.22	NA	F
Thorium-232	SNL0093919	LWDS-05-BH14	55	23-MAR-94	GAMMA	0.61		0.32	1.01	F
Actinium-228	SNL0093921	LWDS-05-BH14	60	23-MAR-94	GAMMA	0.72		0.37	NA	F
Bismuth-212	SNL0093921	LWDS-05-BH14	60	23-MAR-94	GAMMA	0.99		0.94	NA	F
Bismuth-214	SNL0093921	LWDS-05-BH14	60	23-MAR-94	GAMMA	0.47		0.15	NA	F
Cesium-137	SNL0093921	LWDS-05-BH14	60	23-MAR-94	GAMMA	0.045	U	0.045	0.079	F
Cobalt-60	SNL0093921	LWDS-05-BH14	60	23-MAR-94	GAMMA	0.057	U	0.057	NA	F
Lead-212	SNL0093921	LWDS-05-BH14	60	23-MAR-94	GAMMA	0.62		0.094	NA	F
Lead-214	SNL0093921	LWDS-05-BH14	60	23-MAR-94	GAMMA	0.55		0.13	NA	F
Potassium-40	SNL0093921	LWDS-05-BH14	60	23-MAR-94	GAMMA	15		1.1	NA	F
Radium-226	SNL0093921	LWDS-05-BH14	60	23-MAR-94	GAMMA	0.46		0.15	1.76	F
Radium-228	SNL0093921	LWDS-05-BH14	60	23-MAR-94	GAMMA	0.72		0.37	0.93	F
Thallium-208	SNL0093921	LWDS-05-BH14	60	23-MAR-94	GAMMA	0.67		0.18	NA	F
Thorium-228	SNL0093921	LWDS-05-BH14	60	23-MAR-94	GAMMA	0.73		0.2	NA	F
Thorium-232	SNL0093921	LWDS-05-BH14	60	23-MAR-94	GAMMA	0.72		0.37	1.01	F
Actinium-228	SNL0093923	LWDS-05-BH14	60	23-MAR-94	GAMMA	0.33		0.22	NA	D
Cesium-137	SNL0093923	LWDS-05-BH14	60	23-MAR-94	GAMMA	0.033	U	0.033	0.079	D
Cobalt-60	SNL0093923	LWDS-05-BH14	60	23-MAR-94	GAMMA	0.041	U	0.041	NA	D
Lead-212	SNL0093923	LWDS-05-BH14	60	23-MAR-94	GAMMA	0.3		0.085	NA	D
Lead-214	SNL0093923	LWDS-05-BH14	60	23-MAR-94	GAMMA	0.4		0.1	NA	D
Potassium-40	SNL0093923	LWDS-05-BH14	60	23-MAR-94	GAMMA	8.2		0.56	NA	D
Radium-226	SNL0093923	LWDS-05-BH14	60	23-MAR-94	GAMMA	0.35		0.094	1.76	D
Radium-228	SNL0093923	LWDS-05-BH14	60	23-MAR-94	GAMMA	0.33		0.22	0.93	D
Thallium-208	SNL0093923	LWDS-05-BH14	60	23-MAR-94	GAMMA	0.28		0.14	NA	D
Thorium-228	SNL0093923	LWDS-05-BH14	60	23-MAR-94	GAMMA	0.3		0.16	NA	D
Thorium-232	SNL0093923	LWDS-05-BH14	60	23-MAR-94	GAMMA	0.33		0.22	1.01	D
Actinium-228	SNL0093945	LWDS-05-BH11	25	20-MAR-94	GAMMA	0.44		0.42	NA	F
Bismuth-212	SNL0093945	LWDS-05-BH11	25	20-MAR-94	GAMMA	1.3		1.2	NA	F
Cesium-137	SNL0093945	LWDS-05-BH11	25	20-MAR-94	GAMMA	0.059	U	0.059	0.079	F
Cobalt-60	SNL0093945	LWDS-05-BH11	25	20-MAR-94	GAMMA	0.064	U	0.064	NA	F
Lead-212	SNL0093945	LWDS-05-BH11	25	20-MAR-94	GAMMA	0.77		0.11	NA	F
Lead-214	SNL0093945	LWDS-05-BH11	25	20-MAR-94	GAMMA	0.81		0.2	NA	F
Potassium-40	SNL0093945	LWDS-05-BH11	25	20-MAR-94	GAMMA	13		0.97	NA	F
Radium-226	SNL0093945	LWDS-05-BH11	25	20-MAR-94	GAMMA	0.71		0.21	1.76	F
Radium-228	SNL0093945	LWDS-05-BH11	25	20-MAR-94	GAMMA	0.44		0.42	0.93	F

Table A-6: Radionuclide analyses of soil samples from ER Site 5.

Analyte	Sample Number	Sample Location	Sample Depth (Ft)	Sample Date	Analytical Method	Activity (pCi/g)	Qualifier	Method Detection Limit	NMED Approved Background (pCi/g)	Sample Type
Thallium-208	SNL0093945	LWDS-05-BH11	25	20-MAR-94	GAMMA	0.82		0.31	NA	F
Thorium-228	SNL0093945	LWDS-05-BH11	25	20-MAR-94	GAMMA	0.89		0.34	NA	F
Thorium-232	SNL0093945	LWDS-05-BH11	25	20-MAR-94	GAMMA	0.44		0.42	1.01	F
Actinium-228	SNL0093947	LWDS-05-BH11	30	20-MAR-94	GAMMA	0.44		0.28	NA	F
Bismuth-212	SNL0093947	LWDS-05-BH11	30	20-MAR-94	GAMMA	1		0.97	NA	F
Cesium-137	SNL0093947	LWDS-05-BH11	30	20-MAR-94	GAMMA	0.051	U	0.051	0.079	F
Cobalt-60	SNL0093947	LWDS-05-BH11	30	20-MAR-94	GAMMA	0.058	U	0.058	NA	F
Lead-212	SNL0093947	LWDS-05-BH11	30	20-MAR-94	GAMMA	0.66		0.1	NA	F
Lead-214	SNL0093947	LWDS-05-BH11	30	20-MAR-94	GAMMA	0.68		0.15	NA	F
Potassium-40	SNL0093947	LWDS-05-BH11	30	20-MAR-94	GAMMA	16		0.7	NA	F
Radium-226	SNL0093947	LWDS-05-BH11	30	20-MAR-94	GAMMA	0.63		0.11	1.76	F
Radium-228	SNL0093947	LWDS-05-BH11	30	20-MAR-94	GAMMA	0.44		0.28	0.93	F
Thallium-208	SNL0093947	LWDS-05-BH11	30	20-MAR-94	GAMMA	0.52		0.23	NA	F
Thorium-228	SNL0093947	LWDS-05-BH11	30	20-MAR-94	GAMMA	0.57		0.24	NA	F
Thorium-232	SNL0093947	LWDS-05-BH11	30	20-MAR-94	GAMMA	0.44		0.28	1.01	F
Actinium-228	SNL0093949	LWDS-05-BH11	35	20-MAR-94	GAMMA	0.62		0.47	NA	F
Cesium-137	SNL0093949	LWDS-05-BH11	35	20-MAR-94	GAMMA	0.06	U	0.06	0.079	F
Cobalt-60	SNL0093949	LWDS-05-BH11	35	20-MAR-94	GAMMA	0.066	U	0.066	NA	F
Lead-212	SNL0093949	LWDS-05-BH11	35	20-MAR-94	GAMMA	0.63		0.1	NA	F
Lead-214	SNL0093949	LWDS-05-BH11	35	20-MAR-94	GAMMA	0.64		0.18	NA	F
Potassium-40	SNL0093949	LWDS-05-BH11	35	20-MAR-94	GAMMA	11		1.1	NA	F
Radium-226	SNL0093949	LWDS-05-BH11	35	20-MAR-94	GAMMA	0.56		0.19	1.76	F
Radium-228	SNL0093949	LWDS-05-BH11	35	20-MAR-94	GAMMA	0.62		0.47	0.93	F
Thallium-208	SNL0093949	LWDS-05-BH11	35	20-MAR-94	GAMMA	0.73		0.28	NA	F
Thorium-228	SNL0093949	LWDS-05-BH11	35	20-MAR-94	GAMMA	0.79		0.3	NA	F
Thorium-232	SNL0093949	LWDS-05-BH11	35	20-MAR-94	GAMMA	0.62		0.47	1.01	F
Actinium-228	SNL0093951	LWDS-05-BH11	40	20-MAR-94	GAMMA	0.62		0.23	NA	F
Bismuth-214	SNL0093951	LWDS-05-BH11	40	20-MAR-94	GAMMA	0.54		0.14	NA	F
Cesium-137	SNL0093951	LWDS-05-BH11	40	20-MAR-94	GAMMA	0.038	U	0.038	0.079	F
Cobalt-60	SNL0093951	LWDS-05-BH11	40	20-MAR-94	GAMMA	0.054	U	0.054	NA	F
Lead-212	SNL0093951	LWDS-05-BH11	40	20-MAR-94	GAMMA	0.5		0.12	NA	F
Lead-214	SNL0093951	LWDS-05-BH11	40	20-MAR-94	GAMMA	0.5		0.14	NA	F
Potassium-40	SNL0093951	LWDS-05-BH11	40	20-MAR-94	GAMMA	11		0.45	NA	F
Radium-226	SNL0093951	LWDS-05-BH11	40	20-MAR-94	GAMMA	0.53		0.14	1.76	F
Radium-228	SNL0093951	LWDS-05-BH11	40	20-MAR-94	GAMMA	0.62		0.23	0.93	F
Thallium-208	SNL0093951	LWDS-05-BH11	40	20-MAR-94	GAMMA	0.54		0.2	NA	F
Thorium-228	SNL0093951	LWDS-05-BH11	40	20-MAR-94	GAMMA	0.59		0.21	NA	F
Thorium-232	SNL0093951	LWDS-05-BH11	40	20-MAR-94	GAMMA	0.62		0.23	1.01	F
Cesium-137	SNL0093953	LWDS-05-BH11	42.5	20-MAR-94	GAMMA	0.045	U	0.045	0.079	F
Cobalt-60	SNL0093953	LWDS-05-BH11	42.5	20-MAR-94	GAMMA	0.046	U	0.046	NA	F
Lead-212	SNL0093953	LWDS-05-BH11	42.5	20-MAR-94	GAMMA	0.41		0.083	NA	F
Lead-214	SNL0093953	LWDS-05-BH11	42.5	20-MAR-94	GAMMA	0.6		0.13	NA	F
Potassium-40	SNL0093953	LWDS-05-BH11	42.5	20-MAR-94	GAMMA	13		0.42	NA	F
Radium-226	SNL0093953	LWDS-05-BH11	42.5	20-MAR-94	GAMMA	0.47		0.13	1.76	F
Radium-228	SNL0093953	LWDS-05-BH11	42.5	20-MAR-94	GAMMA	0.42		0.25	0.93	F
Thallium-208	SNL0093953	LWDS-05-BH11	42.5	20-MAR-94	GAMMA	0.54		0.18	NA	F
Thorium-228	SNL0093953	LWDS-05-BH11	42.5	20-MAR-94	GAMMA	0.58		0.19	NA	F
Thorium-232	SNL0093953	LWDS-05-BH11	42.5	20-MAR-94	GAMMA	0.42		0.25	1.01	F
Thorium-234	SNL0093953	LWDS-05-BH11	42.5	20-MAR-94	GAMMA	0.83		0.83	1.4	F
Cesium-137	SNL0093955	LWDS-05-BH11	45	20-MAR-94	GAMMA	0.043	U	0.043	0.079	F
Cobalt-60	SNL0093955	LWDS-05-BH11	45	20-MAR-94	GAMMA	0.053	U	0.053	NA	F
Lead-212	SNL0093955	LWDS-05-BH11	45	20-MAR-94	GAMMA	0.35		0.11	NA	F
Lead-214	SNL0093955	LWDS-05-BH11	45	20-MAR-94	GAMMA	0.48		0.15	NA	F
Potassium-40	SNL0093955	LWDS-05-BH11	45	20-MAR-94	GAMMA	15		0.74	NA	F
Radium-224	SNL0093955	LWDS-05-BH11	45	20-MAR-94	GAMMA	4.1		1.3	NA	F
Radium-226	SNL0093955	LWDS-05-BH11	45	20-MAR-94	GAMMA	0.43		0.14	1.76	F
Radium-228	SNL0093955	LWDS-05-BH11	45	20-MAR-94	GAMMA	0.19	U	0.21	0.93	F
Thallium-208	SNL0093955	LWDS-05-BH11	45	20-MAR-94	GAMMA	0.64		0.23	NA	F
Thorium-228	SNL0093955	LWDS-05-BH11	45	20-MAR-94	GAMMA	0.7		0.24	NA	F
Actinium-228	SNL0093957	LWDS-05-BH11	47.5	20-MAR-94	GAMMA	0.51		0.3	NA	F
Bismuth-212	SNL0093957	LWDS-05-BH11	47.5	20-MAR-94	GAMMA	0.77		0.65	NA	F
Cesium-137	SNL0093957	LWDS-05-BH11	47.5	20-MAR-94	GAMMA	0.044	U	0.044	0.079	F
Cobalt-60	SNL0093957	LWDS-05-BH11	47.5	20-MAR-94	GAMMA	0.045	U	0.045	NA	F
Lead-212	SNL0093957	LWDS-05-BH11	47.5	20-MAR-94	GAMMA	0.57		0.094	NA	F
Lead-214	SNL0093957	LWDS-05-BH11	47.5	20-MAR-94	GAMMA	0.61		0.14	NA	F
Potassium-40	SNL0093957	LWDS-05-BH11	47.5	20-MAR-94	GAMMA	10		0.67	NA	F
Radium-226	SNL0093957	LWDS-05-BH11	47.5	20-MAR-94	GAMMA	0.55		0.13	1.76	F
Radium-228	SNL0093957	LWDS-05-BH11	47.5	20-MAR-94	GAMMA	0.51		0.3	0.93	F
Thallium-208	SNL0093957	LWDS-05-BH11	47.5	20-MAR-94	GAMMA	0.53		0.21	NA	F
Thorium-228	SNL0093957	LWDS-05-BH11	47.5	20-MAR-94	GAMMA	0.57		0.23	NA	F

Table A-6: Radionuclide analyses of soil samples from ER Site 5.

Analyte	Sample Number	Sample Location	Sample Depth (Ft)	Sample Date	Analytical Method	Activity (pCi/g)	Qualifier	Method Detection Limit	NMED Approved Background (pCi/g)	Sample Type
Thorium-232	SNL0093957	LWDS-05-BH11	47.5	20-MAR-94	GAMMA	0.51		0.3	1.01	F
Thorium-234	SNL0093957	LWDS-05-BH11	47.5	20-MAR-94	GAMMA	1.1		0.82	1.4	F
Actinium-228	SNL0093959	LWDS-05-BH12	25	21-MAR-94	GAMMA	0.49		0.26	NA	F
Bismuth-212	SNL0093959	LWDS-05-BH12	25	21-MAR-94	GAMMA	1.3		0.88	NA	F
Cesium-137	SNL0093959	LWDS-05-BH12	25	21-MAR-94	GAMMA	0.056	U	0.056	0.079	F
Cobalt-60	SNL0093959	LWDS-05-BH12	25	21-MAR-94	GAMMA	0.069	U	0.069	NA	F
Lead-212	SNL0093959	LWDS-05-BH12	25	21-MAR-94	GAMMA	0.66		0.11	NA	F
Lead-214	SNL0093959	LWDS-05-BH12	25	21-MAR-94	GAMMA	0.73		0.18	NA	F
Potassium-40	SNL0093959	LWDS-05-BH12	25	21-MAR-94	GAMMA	14		0.76	NA	F
Radium-226	SNL0093959	LWDS-05-BH12	25	21-MAR-94	GAMMA	0.76		0.18	1.76	F
Radium-228	SNL0093959	LWDS-05-BH12	25	21-MAR-94	GAMMA	0.49		0.26	0.93	F
Thallium-208	SNL0093959	LWDS-05-BH12	25	21-MAR-94	GAMMA	0.63		0.32	NA	F
Thorium-228	SNL0093959	LWDS-05-BH12	25	21-MAR-94	GAMMA	0.68		0.35	NA	F
Thorium-232	SNL0093959	LWDS-05-BH12	25	21-MAR-94	GAMMA	0.49		0.26	1.01	F
Actinium-228	SNL0093961	LWDS-05-BH12	30	21-MAR-94	GAMMA	1.1		0.33	NA	F
Bismuth-214	SNL0093961	LWDS-05-BH12	30	21-MAR-94	GAMMA	0.69		0.17	NA	F
Cesium-137	SNL0093961	LWDS-05-BH12	30	21-MAR-94	GAMMA	0.096	U	0.11	0.079	F
Cobalt-60	SNL0093961	LWDS-05-BH12	30	21-MAR-94	GAMMA	0.15		0.1	NA	F
Lead-212	SNL0093961	LWDS-05-BH12	30	21-MAR-94	GAMMA	0.76		0.11	NA	F
Lead-214	SNL0093961	LWDS-05-BH12	30	21-MAR-94	GAMMA	0.67		0.17	NA	F
Potassium-40	SNL0093961	LWDS-05-BH12	30	21-MAR-94	GAMMA	10		0.86	NA	F
Radium-226	SNL0093961	LWDS-05-BH12	30	21-MAR-94	GAMMA	0.67		0.16	1.76	F
Radium-228	SNL0093961	LWDS-05-BH12	30	21-MAR-94	GAMMA	1.1		0.33	0.93	F
Thallium-208	SNL0093961	LWDS-05-BH12	30	21-MAR-94	GAMMA	0.84		0.31	NA	F
Thorium-228	SNL0093961	LWDS-05-BH12	30	21-MAR-94	GAMMA	0.91		0.34	NA	F
Thorium-232	SNL0093961	LWDS-05-BH12	30	21-MAR-94	GAMMA	1.1		0.33	1.01	F
Actinium-228	SNL0093963	LWDS-05-BH12	32.5	21-MAR-94	GAMMA	0.81		0.42	NA	F
Cesium-137	SNL0093963	LWDS-05-BH12	32.5	21-MAR-94	GAMMA	0.055	U	0.055	0.079	F
Cobalt-60	SNL0093963	LWDS-05-BH12	32.5	21-MAR-94	GAMMA	0.065	U	0.065	NA	F
Lead-212	SNL0093963	LWDS-05-BH12	32.5	21-MAR-94	GAMMA	0.51		0.14	NA	F
Lead-214	SNL0093963	LWDS-05-BH12	32.5	21-MAR-94	GAMMA	0.57		0.15	NA	F
Potassium-40	SNL0093963	LWDS-05-BH12	32.5	21-MAR-94	GAMMA	13	B	0.66	NA	F
Radium-226	SNL0093963	LWDS-05-BH12	32.5	21-MAR-94	GAMMA	0.52		0.18	1.76	F
Radium-228	SNL0093963	LWDS-05-BH12	32.5	21-MAR-94	GAMMA	0.81		0.42	0.93	F
Thallium-208	SNL0093963	LWDS-05-BH12	32.5	21-MAR-94	GAMMA	0.49		0.34	NA	F
Thorium-228	SNL0093963	LWDS-05-BH12	32.5	21-MAR-94	GAMMA	0.53		0.36	NA	F
Thorium-232	SNL0093963	LWDS-05-BH12	32.5	21-MAR-94	GAMMA	0.81		0.42	1.01	F
Actinium-228	SNL0093965	LWDS-05-BH12	35	21-MAR-94	GAMMA	0.67		0.46	NA	F
Cesium-137	SNL0093965	LWDS-05-BH12	35	21-MAR-94	GAMMA	0.075		0.07	0.079	F
Cobalt-60	SNL0093965	LWDS-05-BH12	35	21-MAR-94	GAMMA	0.075	U	0.075	NA	F
Lead-212	SNL0093965	LWDS-05-BH12	35	21-MAR-94	GAMMA	0.67		0.11	NA	F
Lead-214	SNL0093965	LWDS-05-BH12	35	21-MAR-94	GAMMA	0.61		0.13	NA	F
Potassium-40	SNL0093965	LWDS-05-BH12	35	21-MAR-94	GAMMA	14		0.74	NA	F
Radium-226	SNL0093965	LWDS-05-BH12	35	21-MAR-94	GAMMA	0.68		0.16	1.76	F
Radium-228	SNL0093965	LWDS-05-BH12	35	21-MAR-94	GAMMA	0.67		0.46	0.93	F
Thallium-208	SNL0093965	LWDS-05-BH12	35	21-MAR-94	GAMMA	0.75		0.22	NA	F
Thorium-228	SNL0093965	LWDS-05-BH12	35	21-MAR-94	GAMMA	0.81		0.24	NA	F
Thorium-232	SNL0093965	LWDS-05-BH12	35	21-MAR-94	GAMMA	0.67		0.46	1.01	F
Actinium-228	SNL0093967	LWDS-05-BH12	37.5	21-MAR-94	GAMMA	0.65		0.34	NA	F
Cesium-137	SNL0093967	LWDS-05-BH12	37.5	21-MAR-94	GAMMA	0.14		0.091	0.079	F
Cobalt-60	SNL0093967	LWDS-05-BH12	37.5	21-MAR-94	GAMMA	0.071	U	0.071	NA	F
Lead-212	SNL0093967	LWDS-05-BH12	37.5	21-MAR-94	GAMMA	0.67		0.1	NA	F
Lead-214	SNL0093967	LWDS-05-BH12	37.5	21-MAR-94	GAMMA	0.71		0.16	NA	F
Potassium-40	SNL0093967	LWDS-05-BH12	37.5	21-MAR-94	GAMMA	12		0.88	NA	F
Radium-226	SNL0093967	LWDS-05-BH12	37.5	21-MAR-94	GAMMA	0.66		0.14	1.76	F
Radium-228	SNL0093967	LWDS-05-BH12	37.5	21-MAR-94	GAMMA	0.65		0.34	0.93	F
Thallium-208	SNL0093967	LWDS-05-BH12	37.5	21-MAR-94	GAMMA	0.65		0.25	NA	F
Thorium-228	SNL0093967	LWDS-05-BH12	37.5	21-MAR-94	GAMMA	0.7		0.27	NA	F
Thorium-232	SNL0093967	LWDS-05-BH12	37.5	21-MAR-94	GAMMA	0.65		0.34	1.01	F
Actinium-228	SNL0093969	LWDS-05-BH12	40	21-MAR-94	GAMMA	0.55		0.38	NA	F
Cesium-137	SNL0093969	LWDS-05-BH12	40	21-MAR-94	GAMMA	0.12		0.1	0.079	F
Cobalt-60	SNL0093969	LWDS-05-BH12	40	21-MAR-94	GAMMA	0.073	U	0.073	NA	F
Lead-212	SNL0093969	LWDS-05-BH12	40	21-MAR-94	GAMMA	0.57		0.12	NA	F
Lead-214	SNL0093969	LWDS-05-BH12	40	21-MAR-94	GAMMA	0.83		0.21	NA	F
Potassium-40	SNL0093969	LWDS-05-BH12	40	21-MAR-94	GAMMA	12		0.83	NA	F
Radium-226	SNL0093969	LWDS-05-BH12	40	21-MAR-94	GAMMA	0.77		0.14	1.76	F
Radium-228	SNL0093969	LWDS-05-BH12	40	21-MAR-94	GAMMA	0.55		0.38	0.93	F
Thallium-208	SNL0093969	LWDS-05-BH12	40	21-MAR-94	GAMMA	0.64		0.21	NA	F
Thorium-228	SNL0093969	LWDS-05-BH12	40	21-MAR-94	GAMMA	0.69		0.23	NA	F
Thorium-232	SNL0093969	LWDS-05-BH12	40	21-MAR-94	GAMMA	0.55		0.38	1.01	F

Table A-6: Radionuclide analyses of soil samples from ER Site 5.

Analyte	Sample Number	Sample Location	Sample Depth (Ft)	Sample Date	Analytical Method	Activity (pCi/g)	Qualifier	Method Detection Limit	NMED Approved Background (pCi/g)	Sample Type
Actinium-228	SNL0093971	LWDS-05-BH12	45	21-MAR-94	GAMMA	0.9		0.4	NA	F
Cesium-137	SNL0093971	LWDS-05-BH12	45	21-MAR-94	GAMMA	0.054	U	0.054	0.079	F
Cobalt-60	SNL0093971	LWDS-05-BH12	45	21-MAR-94	GAMMA	0.067	U	0.067	NA	F
Lead-212	SNL0093971	LWDS-05-BH12	45	21-MAR-94	GAMMA	0.77		0.15	NA	F
Lead-214	SNL0093971	LWDS-05-BH12	45	21-MAR-94	GAMMA	0.77		0.19	NA	F
Potassium-40	SNL0093971	LWDS-05-BH12	45	21-MAR-94	GAMMA	18	B	0.66	NA	F
Radium-224	SNL0093971	LWDS-05-BH12	45	21-MAR-94	GAMMA	9		1.8	NA	F
Radium-226	SNL0093971	LWDS-05-BH12	45	21-MAR-94	GAMMA	0.61		0.19	1.76	F
Radium-228	SNL0093971	LWDS-05-BH12	45	21-MAR-94	GAMMA	0.9		0.4	0.93	F
Thallium-208	SNL0093971	LWDS-05-BH12	45	21-MAR-94	GAMMA	0.8		0.23	NA	F
Thorium-228	SNL0093971	LWDS-05-BH12	45	21-MAR-94	GAMMA	0.86		0.25	NA	F
Thorium-232	SNL0093971	LWDS-05-BH12	45	21-MAR-94	GAMMA	0.9		0.4	1.01	F
Actinium-228	SNL0093973	LWDS-05-BH12	50	21-MAR-94	GAMMA	0.44		0.38	NA	F
Bismuth-214	SNL0093973	LWDS-05-BH12	50	21-MAR-94	GAMMA	0.47		0.12	NA	F
Cesium-137	SNL0093973	LWDS-05-BH12	50	21-MAR-94	GAMMA	0.037	U	0.037	0.079	F
Cobalt-60	SNL0093973	LWDS-05-BH12	50	21-MAR-94	GAMMA	0.053	U	0.053	NA	F
Lead-212	SNL0093973	LWDS-05-BH12	50	21-MAR-94	GAMMA	0.34		0.16	NA	F
Lead-214	SNL0093973	LWDS-05-BH12	50	21-MAR-94	GAMMA	0.53		0.11	NA	F
Potassium-40	SNL0093973	LWDS-05-BH12	50	21-MAR-94	GAMMA	16		0.31	NA	F
Radium-226	SNL0093973	LWDS-05-BH12	50	21-MAR-94	GAMMA	0.46		0.11	1.76	F
Radium-228	SNL0093973	LWDS-05-BH12	50	21-MAR-94	GAMMA	0.44		0.38	0.93	F
Thallium-208	SNL0093973	LWDS-05-BH12	50	21-MAR-94	GAMMA	0.53		0.19	NA	F
Thorium-228	SNL0093973	LWDS-05-BH12	50	21-MAR-94	GAMMA	0.58		0.21	NA	F
Thorium-232	SNL0093973	LWDS-05-BH12	50	21-MAR-94	GAMMA	0.44		0.38	1.01	F
Actinium-228	SNL0093974	LWDS-05-BH12	55	21-MAR-94	GAMMA	0.43		0.35	NA	F
Cesium-137	SNL0093974	LWDS-05-BH12	55	21-MAR-94	GAMMA	0.043	U	0.043	0.079	F
Cobalt-60	SNL0093974	LWDS-05-BH12	55	21-MAR-94	GAMMA	0.047	U	0.047	NA	F
Lead-212	SNL0093974	LWDS-05-BH12	55	21-MAR-94	GAMMA	0.4		0.088	NA	F
Lead-214	SNL0093974	LWDS-05-BH12	55	21-MAR-94	GAMMA	0.54		0.12	NA	F
Potassium-40	SNL0093974	LWDS-05-BH12	55	21-MAR-94	GAMMA	11		0.62	NA	F
Radium-226	SNL0093974	LWDS-05-BH12	55	21-MAR-94	GAMMA	0.45		0.079	1.76	F
Radium-228	SNL0093974	LWDS-05-BH12	55	21-MAR-94	GAMMA	0.43		0.35	0.93	F
Thallium-208	SNL0093974	LWDS-05-BH12	55	21-MAR-94	GAMMA	0.44		0.22	NA	F
Thorium-228	SNL0093974	LWDS-05-BH12	55	21-MAR-94	GAMMA	0.48		0.23	NA	F
Thorium-232	SNL0093974	LWDS-05-BH12	55	21-MAR-94	GAMMA	0.43		0.35	1.01	F
Actinium-228	SNL0093976	LWDS-05-BH12	55	21-MAR-94	GAMMA	0.45		0.22	NA	D
Cesium-137	SNL0093976	LWDS-05-BH12	55	21-MAR-94	GAMMA	0.038	U	0.038	0.079	D
Cobalt-60	SNL0093976	LWDS-05-BH12	55	21-MAR-94	GAMMA	0.044	U	0.044	NA	D
Lead-212	SNL0093976	LWDS-05-BH12	55	21-MAR-94	GAMMA	0.4		0.077	NA	D
Lead-214	SNL0093976	LWDS-05-BH12	55	21-MAR-94	GAMMA	0.42		0.12	NA	D
Potassium-40	SNL0093976	LWDS-05-BH12	55	21-MAR-94	GAMMA	12		0.66	NA	D
Radium-226	SNL0093976	LWDS-05-BH12	55	21-MAR-94	GAMMA	0.42		0.1	1.76	D
Radium-228	SNL0093976	LWDS-05-BH12	55	21-MAR-94	GAMMA	0.45		0.22	0.93	D
Thallium-208	SNL0093976	LWDS-05-BH12	55	21-MAR-94	GAMMA	0.2		0.16	NA	D
Thorium-228	SNL0093976	LWDS-05-BH12	55	21-MAR-94	GAMMA	0.22		0.18	NA	D
Thorium-232	SNL0093976	LWDS-05-BH12	55	21-MAR-94	GAMMA	0.45		0.22	1.01	D
Actinium-228	SNL0093980	LWDS-05-BH11	50	20-MAR-94	GAMMA	0.58		0.25	NA	F
Bismuth-214	SNL0093980	LWDS-05-BH11	50	20-MAR-94	GAMMA	0.52		0.12	NA	F
Cesium-137	SNL0093980	LWDS-05-BH11	50	20-MAR-94	GAMMA	0.049	U	0.049	0.079	F
Cobalt-60	SNL0093980	LWDS-05-BH11	50	20-MAR-94	GAMMA	0.048	U	0.048	NA	F
Lead-212	SNL0093980	LWDS-05-BH11	50	20-MAR-94	GAMMA	0.57		0.13	NA	F
Lead-214	SNL0093980	LWDS-05-BH11	50	20-MAR-94	GAMMA	0.6		0.15	NA	F
Potassium-40	SNL0093980	LWDS-05-BH11	50	20-MAR-94	GAMMA	13		0.61	NA	F
Radium-226	SNL0093980	LWDS-05-BH11	50	20-MAR-94	GAMMA	0.51		0.12	1.76	F
Radium-228	SNL0093980	LWDS-05-BH11	50	20-MAR-94	GAMMA	0.58		0.25	0.93	F
Thallium-208	SNL0093980	LWDS-05-BH11	50	20-MAR-94	GAMMA	0.5		0.23	NA	F
Thorium-228	SNL0093980	LWDS-05-BH11	50	20-MAR-94	GAMMA	0.54		0.25	NA	F
Thorium-232	SNL0093980	LWDS-05-BH11	50	20-MAR-94	GAMMA	0.58		0.25	1.01	F
Actinium-228	SNL0093982	LWDS-05-BH11	55	20-MAR-94	GAMMA	0.55		0.26	NA	F
Cesium-137	SNL0093982	LWDS-05-BH11	55	20-MAR-94	GAMMA	0.042	U	0.042	0.079	F
Cobalt-60	SNL0093982	LWDS-05-BH11	55	20-MAR-94	GAMMA	0.065	U	0.065	NA	F
Lead-212	SNL0093982	LWDS-05-BH11	55	20-MAR-94	GAMMA	0.42		0.14	NA	F
Lead-214	SNL0093982	LWDS-05-BH11	55	20-MAR-94	GAMMA	0.58		0.16	NA	F
Potassium-40	SNL0093982	LWDS-05-BH11	55	20-MAR-94	GAMMA	13		0.53	NA	F
Radium-226	SNL0093982	LWDS-05-BH11	55	20-MAR-94	GAMMA	0.59		0.12	1.76	F
Radium-228	SNL0093982	LWDS-05-BH11	55	20-MAR-94	GAMMA	0.55		0.26	0.93	F
Thallium-208	SNL0093982	LWDS-05-BH11	55	20-MAR-94	GAMMA	0.42		0.2	NA	F
Thorium-228	SNL0093982	LWDS-05-BH11	55	20-MAR-94	GAMMA	0.45		0.21	NA	F
Thorium-232	SNL0093982	LWDS-05-BH11	55	20-MAR-94	GAMMA	0.55		0.26	1.01	F
Actinium-228	SNL0093984	LWDS-05-BH11	60	20-MAR-94	GAMMA	0.39		0.31	NA	F

Table A-6: Radionuclide analyses of soil samples from ER Site 5.

Analyte	Sample Number	Sample Location	Sample Depth (Ft)	Sample Date	Analytical Method	Activity (pCi/g)	Qualifier	Method Detection Limit	NMED Approved Background (pCi/g)	Sample Type
Bismuth-214	SNL0093984	LWDS-05-BH11	60	20-MAR-94	GAMMA	0.47		0.14	NA	F
Cesium-137	SNL0093984	LWDS-05-BH11	60	20-MAR-94	GAMMA	0.042	U	0.042	0.079	F
Cobalt-60	SNL0093984	LWDS-05-BH11	60	20-MAR-94	GAMMA	0.052	U	0.052	NA	F
Lead-212	SNL0093984	LWDS-05-BH11	60	20-MAR-94	GAMMA	0.47		0.094	NA	F
Lead-214	SNL0093984	LWDS-05-BH11	60	20-MAR-94	GAMMA	0.53		0.13	NA	F
Potassium-40	SNL0093984	LWDS-05-BH11	60	20-MAR-94	GAMMA	13		0.4	NA	F
Radium-226	SNL0093984	LWDS-05-BH11	60	20-MAR-94	GAMMA	0.45		0.14	1.76	F
Radium-228	SNL0093984	LWDS-05-BH11	60	20-MAR-94	GAMMA	0.39		0.31	0.93	F
Thallium-208	SNL0093984	LWDS-05-BH11	60	20-MAR-94	GAMMA	0.41		0.21	NA	F
Thorium-228	SNL0093984	LWDS-05-BH11	60	20-MAR-94	GAMMA	0.44		0.23	NA	F
Thorium-232	SNL0093984	LWDS-05-BH11	60	20-MAR-94	GAMMA	0.39		0.31	1.01	F
Actinium-228	SNL0093986	LWDS-05-BH11	65	20-MAR-94	GAMMA	0.56		0.23	NA	F
Bismuth-212	SNL0093986	LWDS-05-BH11	65	20-MAR-94	GAMMA	0.97		0.68	NA	F
Bismuth-214	SNL0093986	LWDS-05-BH11	65	20-MAR-94	GAMMA	0.49		0.11	NA	F
Cesium-137	SNL0093986	LWDS-05-BH11	65	20-MAR-94	GAMMA	0.021	U	0.051	0.079	F
Cobalt-60	SNL0093986	LWDS-05-BH11	65	20-MAR-94	GAMMA	0.036	U	0.036	NA	F
Lead-212	SNL0093986	LWDS-05-BH11	65	20-MAR-94	GAMMA	0.43		0.078	NA	F
Lead-214	SNL0093986	LWDS-05-BH11	65	20-MAR-94	GAMMA	0.42		0.093	NA	F
Potassium-40	SNL0093986	LWDS-05-BH11	65	20-MAR-94	GAMMA	12		0.51	NA	F
Radium-226	SNL0093986	LWDS-05-BH11	65	20-MAR-94	GAMMA	0.47		0.11	1.76	F
Radium-228	SNL0093986	LWDS-05-BH11	65	20-MAR-94	GAMMA	0.56		0.23	0.93	F
Thallium-208	SNL0093986	LWDS-05-BH11	65	20-MAR-94	GAMMA	0.32		0.14	NA	F
Thorium-228	SNL0093986	LWDS-05-BH11	65	20-MAR-94	GAMMA	0.34		0.15	NA	F
Thorium-232	SNL0093986	LWDS-05-BH11	65	20-MAR-94	GAMMA	0.56		0.23	1.01	F
Actinium-228	SNL0093987	LWDS-05-BH11	70	20-MAR-94	GAMMA	0.67		0.34	NA	F
Bismuth-214	SNL0093987	LWDS-05-BH11	70	20-MAR-94	GAMMA	0.84		0.13	NA	F
Cesium-137	SNL0093987	LWDS-05-BH11	70	20-MAR-94	GAMMA	0.047	U	0.047	0.079	F
Cobalt-60	SNL0093987	LWDS-05-BH11	70	20-MAR-94	GAMMA	0.058	U	0.058	NA	F
Lead-212	SNL0093987	LWDS-05-BH11	70	20-MAR-94	GAMMA	0.61		0.12	NA	F
Lead-214	SNL0093987	LWDS-05-BH11	70	20-MAR-94	GAMMA	0.96		0.16	NA	F
Potassium-40	SNL0093987	LWDS-05-BH11	70	20-MAR-94	GAMMA	13		0.52	NA	F
Radium-226	SNL0093987	LWDS-05-BH11	70	20-MAR-94	GAMMA	0.82		0.13	1.76	F
Radium-228	SNL0093987	LWDS-05-BH11	70	20-MAR-94	GAMMA	0.67		0.34	0.93	F
Thallium-208	SNL0093987	LWDS-05-BH11	70	20-MAR-94	GAMMA	0.53		0.27	NA	F
Thorium-228	SNL0093987	LWDS-05-BH11	70	20-MAR-94	GAMMA	0.58		0.29	NA	F
Thorium-232	SNL0093987	LWDS-05-BH11	70	20-MAR-94	GAMMA	0.67		0.34	1.01	F
Actinium-228	SNL0093989	LWDS-05-BH11	70	20-MAR-94	GAMMA	0.62		0.29	NA	D
Bismuth-212	SNL0093989	LWDS-05-BH11	70	20-MAR-94	GAMMA	0.72		0.53	NA	D
Bismuth-214	SNL0093989	LWDS-05-BH11	70	20-MAR-94	GAMMA	0.44		0.13	NA	D
Cesium-137	SNL0093989	LWDS-05-BH11	70	20-MAR-94	GAMMA	0.046	U	0.046	0.079	D
Cobalt-60	SNL0093989	LWDS-05-BH11	70	20-MAR-94	GAMMA	0.049	U	0.049	NA	D
Lead-212	SNL0093989	LWDS-05-BH11	70	20-MAR-94	GAMMA	0.56		0.088	NA	D
Lead-214	SNL0093989	LWDS-05-BH11	70	20-MAR-94	GAMMA	0.48		0.15	NA	D
Potassium-40	SNL0093989	LWDS-05-BH11	70	20-MAR-94	GAMMA	14		0.5	NA	D
Radium-226	SNL0093989	LWDS-05-BH11	70	20-MAR-94	GAMMA	0.42		0.13	1.76	D
Radium-228	SNL0093989	LWDS-05-BH11	70	20-MAR-94	GAMMA	0.62		0.29	0.93	D
Thallium-208	SNL0093989	LWDS-05-BH11	70	20-MAR-94	GAMMA	0.52		0.19	NA	D
Thorium-228	SNL0093989	LWDS-05-BH11	70	20-MAR-94	GAMMA	0.56		0.21	NA	D
Thorium-232	SNL0093989	LWDS-05-BH11	70	20-MAR-94	GAMMA	0.62		0.29	1.01	D
Actinium-228	SNL0093991	LWDS-05-BH11	37.5	20-MAR-94	GAMMA	0.51		0.28	NA	F
Bismuth-214	SNL0093991	LWDS-05-BH11	37.5	20-MAR-94	GAMMA	0.53		0.13	NA	F
Cesium-137	SNL0093991	LWDS-05-BH11	37.5	20-MAR-94	GAMMA	0.038	U	0.038	0.079	F
Cobalt-60	SNL0093991	LWDS-05-BH11	37.5	20-MAR-94	GAMMA	0.051	U	0.051	NA	F
Lead-212	SNL0093991	LWDS-05-BH11	37.5	20-MAR-94	GAMMA	0.56		0.082	NA	F
Lead-214	SNL0093991	LWDS-05-BH11	37.5	20-MAR-94	GAMMA	0.57		0.15	NA	F
Potassium-40	SNL0093991	LWDS-05-BH11	37.5	20-MAR-94	GAMMA	15		0.33	NA	F
Radium-226	SNL0093991	LWDS-05-BH11	37.5	20-MAR-94	GAMMA	0.52		0.12	1.76	F
Radium-228	SNL0093991	LWDS-05-BH11	37.5	20-MAR-94	GAMMA	0.51		0.28	0.93	F
Thallium-208	SNL0093991	LWDS-05-BH11	37.5	20-MAR-94	GAMMA	0.51		0.15	NA	F
Thorium-228	SNL0093991	LWDS-05-BH11	37.5	20-MAR-94	GAMMA	0.55		0.17	NA	F
Thorium-232	SNL0093991	LWDS-05-BH11	37.5	20-MAR-94	GAMMA	0.51		0.28	1.01	F
Plutonium-238	SNL0093999	LWDS-05-BH13	0	29-MAR-94	7-79-081	-0.002	U	0.033	NA	F
Plutonium-239/240	SNL0093999	LWDS-05-BH13	0	29-MAR-94	7-79-081	0.002	U	0.022	NA	F
Actinium-228	SNL0094000	LWDS-05-BH13	0	29-MAR-94	901.1	0.52		0.32	NA	F
Cesium-137	SNL0094000	LWDS-05-BH13	0	29-MAR-94	901.1	0.044	U	0.044	0.664	F
Cobalt-60	SNL0094000	LWDS-05-BH13	0	29-MAR-94	901.1	0.048	U	0.048	NA	F
Lead-212	SNL0094000	LWDS-05-BH13	0	29-MAR-94	901.1	0.64		0.094	NA	F
Lead-214	SNL0094000	LWDS-05-BH13	0	29-MAR-94	901.1	0.62		0.12	NA	F
Potassium-40	SNL0094000	LWDS-05-BH13	0	29-MAR-94	901.1	14		0.6	NA	F
Radium-226	SNL0094000	LWDS-05-BH13	0	29-MAR-94	901.1	0.67		0.13	2.3	F

Table A-6: Radionuclide analyses of soil samples from ER Site 5.

Analyte	Sample Number	Sample Location	Sample Depth (Ft)	Sample Date	Analytical Method	Activity (pCi/g)	Qualifier	Method Detection Limit	NMED Approved Background (pCi/g)	Sample Type
Radium-228	SNL0094000	LWDS-05-BH13	0	29-MAR-94	901.1	0.52		0.32	1.01	F
Thallium-208	SNL0094000	LWDS-05-BH13	0	29-MAR-94	901.1	0.67		0.19	NA	F
Thorium-228	SNL0094000	LWDS-05-BH13	0	29-MAR-94	901.1	0.72		0.2	NA	F
Thorium-232	SNL0094000	LWDS-05-BH13	0	29-MAR-94	901.1	0.52		0.32	1.01	F
Strontium-90	SNL0094001	LWDS-05-BH13	0	29-MAR-94	905.0	-0.57	U	1.3	1.08	F
Uranium-233/234	SNL0094002	LWDS-05-BH13	0	29-MAR-94	HASL-300	0.74	B	0.009	NA	F
Uranium-235	SNL0094002	LWDS-05-BH13	0	29-MAR-94	HASL-300	0.031		0.009	0.16	F
Uranium-238	SNL0094002	LWDS-05-BH13	0	29-MAR-94	HASL-300	0.57	B	0.009	1.4	F
Thorium-230	SNL0094003	LWDS-05-BH13	0	29-MAR-94	LANL Vol	0.78		0.04	NA	F
Thorium-232	SNL0094003	LWDS-05-BH13	0	29-MAR-94	LANL Vol	0.73		0.083	1.01	F
Actinium-227	SNL0094224	LWDS-05-BH11-35	35	20-MAR-94	GAMMA	0.876	U	0.876	NA	F
Actinium-228	SNL0094224	LWDS-05-BH11-35	35	20-MAR-94	GAMMA	0.381		100000000	NA	F
Americium-241	SNL0094224	LWDS-05-BH11-35	35	20-MAR-94	GAMMA	0.11	U	0.11	NA	F
Antimony-124	SNL0094224	LWDS-05-BH11-35	35	20-MAR-94	GAMMA	0.0147	U	0.0147	NA	F
Antimony-125	SNL0094224	LWDS-05-BH11-35	35	20-MAR-94	GAMMA	0.0403	U	0.0403	NA	F
Antimony-126	SNL0094224	LWDS-05-BH11-35	35	20-MAR-94	GAMMA	0.0135	U	0.0135	NA	F
Barium-133	SNL0094224	LWDS-05-BH11-35	35	20-MAR-94	GAMMA	0.0155	U	0.0155	NA	F
Barium-140	SNL0094224	LWDS-05-BH11-35	35	20-MAR-94	GAMMA	0.0614	U	0.0614	NA	F
Beryllium-7	SNL0094224	LWDS-05-BH11-35	35	20-MAR-94	GAMMA	0.139	U	0.139	NA	F
Bismuth-207	SNL0094224	LWDS-05-BH11-35	35	20-MAR-94	GAMMA	0.0134		100000000	NA	F
Bismuth-212	SNL0094224	LWDS-05-BH11-35	35	20-MAR-94	GAMMA	0.442		100000000	NA	F
Bismuth-214	SNL0094224	LWDS-05-BH11-35	35	20-MAR-94	GAMMA	0.353		100000000	NA	F
Cadmium-109	SNL0094224	LWDS-05-BH11-35	35	20-MAR-94	GAMMA	0.561	U	0.561	NA	F
Cerium-139	SNL0094224	LWDS-05-BH11-35	35	20-MAR-94	GAMMA	0.014	U	0.014	NA	F
Cerium-144	SNL0094224	LWDS-05-BH11-35	35	20-MAR-94	GAMMA	0.106	U	0.106	NA	F
Cesium-134	SNL0094224	LWDS-05-BH11-35	35	20-MAR-94	GAMMA	0.0133	U	0.0133	NA	F
Cesium-137	SNL0094224	LWDS-05-BH11-35	35	20-MAR-94	GAMMA	0.0329		100000000	0.079	F
Chromium-51	SNL0094224	LWDS-05-BH11-35	35	20-MAR-94	GAMMA	0.095	U	0.095	NA	F
Cobalt-56	SNL0094224	LWDS-05-BH11-35	35	20-MAR-94	GAMMA	0.0194	U	0.0194	NA	F
Cobalt-57	SNL0094224	LWDS-05-BH11-35	35	20-MAR-94	GAMMA	0.0135	U	0.0135	NA	F
Cobalt-60	SNL0094224	LWDS-05-BH11-35	35	20-MAR-94	GAMMA	0.0571		100000000	NA	F
Copper-64	SNL0094224	LWDS-05-BH11-35	35	20-MAR-94	GAMMA	16.7	U	16.7	NA	F
Curium-243	SNL0094224	LWDS-05-BH11-35	35	20-MAR-94	GAMMA	0.0545	U	0.0545	NA	F
Europium-152	SNL0094224	LWDS-05-BH11-35	35	20-MAR-94	GAMMA	0.0412	U	0.0412	NA	F
Europium-154	SNL0094224	LWDS-05-BH11-35	35	20-MAR-94	GAMMA	0.0625	U	0.0625	NA	F
Europium-155	SNL0094224	LWDS-05-BH11-35	35	20-MAR-94	GAMMA	0.0654	U	0.0654	NA	F
Gadolinium-153	SNL0094224	LWDS-05-BH11-35	35	20-MAR-94	GAMMA	0.0423	U	0.0423	NA	F
Indium-115M	SNL0094224	LWDS-05-BH11-35	35	20-MAR-94	GAMMA	0.651	U	0.651	NA	F
Iodine-125	SNL0094224	LWDS-05-BH11-35	35	20-MAR-94	GAMMA	0	U	0	NA	F
Iodine-129	SNL0094224	LWDS-05-BH11-35	35	20-MAR-94	GAMMA	0	U	0	NA	F
Iodine-131	SNL0094224	LWDS-05-BH11-35	35	20-MAR-94	GAMMA	0.014	U	0.014	NA	F
Iridium-192	SNL0094224	LWDS-05-BH11-35	35	20-MAR-94	GAMMA	0.011	U	0.011	NA	F
Iron-59	SNL0094224	LWDS-05-BH11-35	35	20-MAR-94	GAMMA	0.0221	U	0.0221	NA	F
Lanthanum-140	SNL0094224	LWDS-05-BH11-35	35	20-MAR-94	GAMMA	0.0201	U	0.0201	NA	F
Lead-210	SNL0094224	LWDS-05-BH11-35	35	20-MAR-94	GAMMA	0	U	0	NA	F
Lead-212	SNL0094224	LWDS-05-BH11-35	35	20-MAR-94	GAMMA	0.393		100000000	NA	F
Lead-214	SNL0094224	LWDS-05-BH11-35	35	20-MAR-94	GAMMA	0.441		100000000	NA	F
Manganese-54	SNL0094224	LWDS-05-BH11-35	35	20-MAR-94	GAMMA	0.0134	U	0.0134	NA	F
Mercury-203	SNL0094224	LWDS-05-BH11-35	35	20-MAR-94	GAMMA	0.0145	U	0.0145	NA	F
Neptunium-237	SNL0094224	LWDS-05-BH11-35	35	20-MAR-94	GAMMA	0.144	U	0.144	NA	F
Niobium-95	SNL0094224	LWDS-05-BH11-35	35	20-MAR-94	GAMMA	0.0533	U	0.0533	NA	F
Potassium-40	SNL0094224	LWDS-05-BH11-35	35	20-MAR-94	GAMMA	9.72		100000000	NA	F
Protactinium-231	SNL0094224	LWDS-05-BH11-35	35	20-MAR-94	GAMMA	0.529	U	0.529	NA	F
Protactinium-233	SNL0094224	LWDS-05-BH11-35	35	20-MAR-94	GAMMA	0.0268	U	0.0268	NA	F
Radium-226	SNL0094224	LWDS-05-BH11-35	35	20-MAR-94	GAMMA	0.337		100000000	1.76	F
Radium-228	SNL0094224	LWDS-05-BH11-35	35	20-MAR-94	GAMMA	0.422		100000000	0.93	F
Ruthenium-103	SNL0094224	LWDS-05-BH11-35	35	20-MAR-94	GAMMA	0.0171	U	0.0171	NA	F
Ruthenium-106	SNL0094224	LWDS-05-BH11-35	35	20-MAR-94	GAMMA	0.131	U	0.131	NA	F
Scandium-46	SNL0094224	LWDS-05-BH11-35	35	20-MAR-94	GAMMA	0.0138	U	0.0138	NA	F
Silver-110	SNL0094224	LWDS-05-BH11-35	35	20-MAR-94	GAMMA	0.0148	U	0.0148	NA	F
Sodium-22	SNL0094224	LWDS-05-BH11-35	35	20-MAR-94	GAMMA	0.0183	U	0.0183	NA	F
Sodium-24	SNL0094224	LWDS-05-BH11-35	35	20-MAR-94	GAMMA	0.0336	U	0.0336	NA	F
Strontium-85	SNL0094224	LWDS-05-BH11-35	35	20-MAR-94	GAMMA	0.0171	U	0.0171	NA	F
Tantalum-182	SNL0094224	LWDS-05-BH11-35	35	20-MAR-94	GAMMA	0.115	U	0.115	NA	F
Thallium-201	SNL0094224	LWDS-05-BH11-35	35	20-MAR-94	GAMMA	0.133	U	0.133	NA	F
Thallium-208	SNL0094224	LWDS-05-BH11-35	35	20-MAR-94	GAMMA	0.129		100000000	NA	F
Thorium-227	SNL0094224	LWDS-05-BH11-35	35	20-MAR-94	GAMMA	0.0968	U	0.0968	NA	F
Thorium-228	SNL0094224	LWDS-05-BH11-35	35	20-MAR-94	GAMMA	0.391		100000000	NA	F
Thorium-229	SNL0094224	LWDS-05-BH11-35	35	20-MAR-94	GAMMA	0.0596	U	0.0596	NA	F
Thorium-231	SNL0094224	LWDS-05-BH11-35	35	20-MAR-94	GAMMA	0.246	U	0.246	NA	F

Table A-6: Radionuclide analyses of soil samples from ER Site 5.

Analyte	Sample Number	Sample Location	Sample Depth (Ft)	Sample Date	Analytical Method	Activity (pCi/g)	Qualifier	Method Detection Limit	NMED Approved Background (pCi/g)	Sample Type
Thorium-232	SNL0094224	LWDS-05-BH11-35	35	20-MAR-94	GAMMA	0.422		100000000	1.01	F
Thorium-234	SNL0094224	LWDS-05-BH11-35	35	20-MAR-94	GAMMA	0.328	U	0.328	1.4	F
Tin-113	SNL0094224	LWDS-05-BH11-35	35	20-MAR-94	GAMMA	0.0153	U	0.0153	NA	F
Uranium-234	SNL0094224	LWDS-05-BH11-35	35	20-MAR-94	GAMMA	4.81	U	4.81	1.6	F
Uranium-235	SNL0094224	LWDS-05-BH11-35	35	20-MAR-94	GAMMA	0.0289	U	0.0289	0.16	F
Uranium-238	SNL0094224	LWDS-05-BH11-35	35	20-MAR-94	GAMMA	0.334	U	0.334	1.4	F
Xenon-133,-133M	SNL0094224	LWDS-05-BH11-35	35	20-MAR-94	GAMMA	0.0562	U	0.0562	NA	F
Yttrium-88	SNL0094224	LWDS-05-BH11-35	35	20-MAR-94	GAMMA	0.0159	U	0.0159	NA	F
Zinc-65	SNL0094224	LWDS-05-BH11-35	35	20-MAR-94	GAMMA	0.0261	U	0.0261	NA	F
Zirconium-95	SNL0094224	LWDS-05-BH11-35	35	20-MAR-94	GAMMA	0.0226	U	0.0226	NA	F
Actinium-227	SNL0094225	LWDS-05-BH11-50	50	20-MAR-94	GAMMA	0.751	U	0.751	NA	F
Actinium-228	SNL0094225	LWDS-05-BH11-50	50	20-MAR-94	GAMMA	0.456		100000000	NA	F
Americium-241	SNL0094225	LWDS-05-BH11-50	50	20-MAR-94	GAMMA	0.113	U	0.113	NA	F
Antimony-124	SNL0094225	LWDS-05-BH11-50	50	20-MAR-94	GAMMA	0.015	U	0.015	NA	F
Antimony-125	SNL0094225	LWDS-05-BH11-50	50	20-MAR-94	GAMMA	0.0407	U	0.0407	NA	F
Antimony-126	SNL0094225	LWDS-05-BH11-50	50	20-MAR-94	GAMMA	0.0145	U	0.0145	NA	F
Barium-133	SNL0094225	LWDS-05-BH11-50	50	20-MAR-94	GAMMA	0.0157	U	0.0157	NA	F
Barium-140	SNL0094225	LWDS-05-BH11-50	50	20-MAR-94	GAMMA	0.0602	U	0.0602	NA	F
Beryllium-7	SNL0094225	LWDS-05-BH11-50	50	20-MAR-94	GAMMA	0.133	U	0.133	NA	F
Bismuth-207	SNL0094225	LWDS-05-BH11-50	50	20-MAR-94	GAMMA	0.0214	U	0.0214	NA	F
Bismuth-212	SNL0094225	LWDS-05-BH11-50	50	20-MAR-94	GAMMA	0.277		100000000	NA	F
Bismuth-214	SNL0094225	LWDS-05-BH11-50	50	20-MAR-94	GAMMA	0.385		100000000	NA	F
Cadmium-109	SNL0094225	LWDS-05-BH11-50	50	20-MAR-94	GAMMA	0.568	U	0.568	NA	F
Cerium-139	SNL0094225	LWDS-05-BH11-50	50	20-MAR-94	GAMMA	0.0135	U	0.0135	NA	F
Cerium-144	SNL0094225	LWDS-05-BH11-50	50	20-MAR-94	GAMMA	0.106	U	0.106	NA	F
Cesium-134	SNL0094225	LWDS-05-BH11-50	50	20-MAR-94	GAMMA	0.0131	U	0.0131	NA	F
Cesium-137	SNL0094225	LWDS-05-BH11-50	50	20-MAR-94	GAMMA	0.0151	U	0.0151	0.079	F
Chromium-51	SNL0094225	LWDS-05-BH11-50	50	20-MAR-94	GAMMA	0.106	U	0.106	NA	F
Cobalt-56	SNL0094225	LWDS-05-BH11-50	50	20-MAR-94	GAMMA	0.021	U	0.021	NA	F
Cobalt-57	SNL0094225	LWDS-05-BH11-50	50	20-MAR-94	GAMMA	0.0132	U	0.0132	NA	F
Cobalt-58	SNL0094225	LWDS-05-BH11-50	50	20-MAR-94	GAMMA	0.0129	U	0.0129	NA	F
Cobalt-60	SNL0094225	LWDS-05-BH11-50	50	20-MAR-94	GAMMA	0.0189	U	0.0189	NA	F
Copper-64	SNL0094225	LWDS-05-BH11-50	50	20-MAR-94	GAMMA	19.3	U	19.3	NA	F
Curium-243	SNL0094225	LWDS-05-BH11-50	50	20-MAR-94	GAMMA	0.055	U	0.055	NA	F
Europium-152	SNL0094225	LWDS-05-BH11-50	50	20-MAR-94	GAMMA	0.0397	U	0.0397	NA	F
Europium-154	SNL0094225	LWDS-05-BH11-50	50	20-MAR-94	GAMMA	0.0518	U	0.0518	NA	F
Europium-155	SNL0094225	LWDS-05-BH11-50	50	20-MAR-94	GAMMA	0.0655	U	0.0655	NA	F
Gadolinium-153	SNL0094225	LWDS-05-BH11-50	50	20-MAR-94	GAMMA	0.0409	U	0.0409	NA	F
Indium-115M	SNL0094225	LWDS-05-BH11-50	50	20-MAR-94	GAMMA	0.881	U	0.881	NA	F
Iodine-125	SNL0094225	LWDS-05-BH11-50	50	20-MAR-94	GAMMA	0	U	0	NA	F
Iodine-129	SNL0094225	LWDS-05-BH11-50	50	20-MAR-94	GAMMA	0	U	0	NA	F
Iodine-131	SNL0094225	LWDS-05-BH11-50	50	20-MAR-94	GAMMA	0.0133	U	0.0133	NA	F
Iridium-192	SNL0094225	LWDS-05-BH11-50	50	20-MAR-94	GAMMA	0.0124	U	0.0124	NA	F
Iron-59	SNL0094225	LWDS-05-BH11-50	50	20-MAR-94	GAMMA	0.0292	U	0.0292	NA	F
Lanthanum-140	SNL0094225	LWDS-05-BH11-50	50	20-MAR-94	GAMMA	0.0195	U	0.0195	NA	F
Lead-210	SNL0094225	LWDS-05-BH11-50	50	20-MAR-94	GAMMA	0	U	0	NA	F
Lead-212	SNL0094225	LWDS-05-BH11-50	50	20-MAR-94	GAMMA	0.448		100000000	NA	F
Lead-214	SNL0094225	LWDS-05-BH11-50	50	20-MAR-94	GAMMA	0.435		100000000	NA	F
Manganese-54	SNL0094225	LWDS-05-BH11-50	50	20-MAR-94	GAMMA	0.0171	U	0.0171	NA	F
Mercury-203	SNL0094225	LWDS-05-BH11-50	50	20-MAR-94	GAMMA	0.014	U	0.014	NA	F
Neptunium-237	SNL0094225	LWDS-05-BH11-50	50	20-MAR-94	GAMMA	0.15	U	0.15	NA	F
Niobium-95	SNL0094225	LWDS-05-BH11-50	50	20-MAR-94	GAMMA	0.0575	U	0.0575	NA	F
Potassium-40	SNL0094225	LWDS-05-BH11-50	50	20-MAR-94	GAMMA	13.1		100000000	NA	F
Protactinium-231	SNL0094225	LWDS-05-BH11-50	50	20-MAR-94	GAMMA	0.542	U	0.542	NA	F
Protactinium-233	SNL0094225	LWDS-05-BH11-50	50	20-MAR-94	GAMMA	0.0286	U	0.0286	NA	F
Radium-224	SNL0094225	LWDS-05-BH11-50	50	20-MAR-94	GAMMA	0.497		100000000	NA	F
Radium-226	SNL0094225	LWDS-05-BH11-50	50	20-MAR-94	GAMMA	0.369		100000000	1.76	F
Radium-228	SNL0094225	LWDS-05-BH11-50	50	20-MAR-94	GAMMA	0.505		100000000	0.93	F
Ruthenium-103	SNL0094225	LWDS-05-BH11-50	50	20-MAR-94	GAMMA	0.0168	U	0.0168	NA	F
Ruthenium-106	SNL0094225	LWDS-05-BH11-50	50	20-MAR-94	GAMMA	0.124	U	0.124	NA	F
Scandium-46	SNL0094225	LWDS-05-BH11-50	50	20-MAR-94	GAMMA	0.0133	U	0.0133	NA	F
Silver-110	SNL0094225	LWDS-05-BH11-50	50	20-MAR-94	GAMMA	0.013	U	0.013	NA	F
Sodium-22	SNL0094225	LWDS-05-BH11-50	50	20-MAR-94	GAMMA	0.0195	U	0.0195	NA	F
Sodium-24	SNL0094225	LWDS-05-BH11-50	50	20-MAR-94	GAMMA	0.0321	U	0.0321	NA	F
Strontium-85	SNL0094225	LWDS-05-BH11-50	50	20-MAR-94	GAMMA	0.017	U	0.017	NA	F
Tantalum-182	SNL0094225	LWDS-05-BH11-50	50	20-MAR-94	GAMMA	0.132	U	0.132	NA	F
Thallium-201	SNL0094225	LWDS-05-BH11-50	50	20-MAR-94	GAMMA	0.134	U	0.134	NA	F
Thallium-208	SNL0094225	LWDS-05-BH11-50	50	20-MAR-94	GAMMA	0.177		100000000	NA	F
Thorium-227	SNL0094225	LWDS-05-BH11-50	50	20-MAR-94	GAMMA	0.103	U	0.103	NA	F
Thorium-228	SNL0094225	LWDS-05-BH11-50	50	20-MAR-94	GAMMA	0.446		100000000	NA	F

Table A-6: Radionuclide analyses of soil samples from ER Site 5.

Analyte	Sample Number	Sample Location	Sample Depth (Ft)	Sample Date	Analytical Method	Activity (pCi/g)	Qualifier	Method Detection Limit	NMED Approved Background (pCi/g)	Sample Type
Thorium-229	SNL0094225	LWDS-05-BH11-50	50	20-MAR-94	GAMMA	0.0593	U	0.0593	NA	F
Thorium-231	SNL0094225	LWDS-05-BH11-50	50	20-MAR-94	GAMMA	0.259	U	0.259	NA	F
Thorium-232	SNL0094225	LWDS-05-BH11-50	50	20-MAR-94	GAMMA	0.505		100000000	1.01	F
Thorium-234	SNL0094225	LWDS-05-BH11-50	50	20-MAR-94	GAMMA	0.326	U	0.326	1.4	F
Tin-113	SNL0094225	LWDS-05-BH11-50	50	20-MAR-94	GAMMA	0.0151	U	0.0151	NA	F
Uranium-234	SNL0094225	LWDS-05-BH11-50	50	20-MAR-94	GAMMA	5.07	U	5.07	1.6	F
Uranium-235	SNL0094225	LWDS-05-BH11-50	50	20-MAR-94	GAMMA	0.0269	U	0.0269	0.16	F
Uranium-238	SNL0094225	LWDS-05-BH11-50	50	20-MAR-94	GAMMA	0.34	U	0.34	1.4	F
Xenon-133,-133M	SNL0094225	LWDS-05-BH11-50	50	20-MAR-94	GAMMA	0.0621	U	0.0621	NA	F
Yttrium-88	SNL0094225	LWDS-05-BH11-50	50	20-MAR-94	GAMMA	0.0167	U	0.0167	NA	F
Zinc-65	SNL0094225	LWDS-05-BH11-50	50	20-MAR-94	GAMMA	0.0373	U	0.0373	NA	F
Zirconium-95	SNL0094225	LWDS-05-BH11-50	50	20-MAR-94	GAMMA	0.0219	U	0.0219	NA	F

Table A-10. Metals analyses of soil samples from the LWDS background study.

Analyte	Sample Number	Sample Location	Sample Depth (Ft)	Sample Date	Analytical Method	Amount Detected (mg/kg)	Qualifier	Method Detection Limit	NMED Approved Background (mg/kg)	Sample Type
Aluminum	SNL0094128	LWDS-BH-EB	0	01-DEC-94	T-6010	0.09	J	0.1	NA	EB
Aluminum	SNL0093140	LWDS-DR-EX-1	0	25-JAN-94	6010	5690		10	NA	F
Antimony	SNL0094128	LWDS-BH-EB	0	01-DEC-94	T-6010	0.06	U	0.06	3.9	EB
Antimony	SNL0093140	LWDS-DR-EX-1	0	25-JAN-94	6010	6	U	6	3.9	F
Arsenic	SNL0094128	LWDS-BH-EB	0	01-DEC-94	T-6010	0.01	U	0.01	5.6	EB
Arsenic	SNL0093726	LWDS-BH-WC-1	0	29-MAR-94	6010	0.2	U	0.2	5.6	F
Arsenic	SNL0093722	LWDS-BH-WC-2	0	29-MAR-94	6010	0.2	U	0.2	5.6	F
Arsenic	SNL0093714	LWDS-BH-WC-3	0	29-MAR-94	6010	0.2	U	0.2	5.6	F
Arsenic	SNL0093141	LWDS-DR-EX-1	0	25-JAN-94	7060	5.6		2.5	5.6	F
Barium	SNL0094128	LWDS-BH-EB	0	01-DEC-94	T-6010	0.0025	BJ	0.01	130	EB
Barium	SNL0093726	LWDS-BH-WC-1	0	29-MAR-94	6010	1		0.02	130	F
Barium	SNL0093722	LWDS-BH-WC-2	0	29-MAR-94	6010	1.2		0.02	130	F
Barium	SNL0093714	LWDS-BH-WC-3	0	29-MAR-94	6010	0.93		0.02	130	F
Barium	SNL0093140	LWDS-DR-EX-1	0	25-JAN-94	6010	61.3		1	130	F
Beryllium	SNL0094128	LWDS-BH-EB	0	01-DEC-94	T-6010	0.002	U	0.002	0.65	EB
Beryllium	SNL0093140	LWDS-DR-EX-1	0	25-JAN-94	6010	0.49		0.2	0.65	F
Cadmium	SNL0094128	LWDS-BH-EB	0	01-DEC-94	T-6010	0.005	U	0.005	<1	EB
Cadmium	SNL0093726	LWDS-BH-WC-1	0	29-MAR-94	6010	0.01	U	0.01	<1	F
Cadmium	SNL0093722	LWDS-BH-WC-2	0	29-MAR-94	6010	0.21		0.01	<1	F
Cadmium	SNL0093714	LWDS-BH-WC-3	0	29-MAR-94	6010	0.052		0.01	<1	F
Cadmium	SNL0093140	LWDS-DR-EX-1	0	25-JAN-94	6010	0.5	U	0.5	<1	F
Calcium	SNL0094128	LWDS-BH-EB	0	01-DEC-94	T-6010	1.5		0.2	NA	EB
Calcium	SNL0093140	LWDS-DR-EX-1	0	25-JAN-94	6010	21800		20	NA	F
Chromium	SNL0094128	LWDS-BH-EB	0	01-DEC-94	T-6010	0.01	U	0.01	17.3	EB
Chromium	SNL0093726	LWDS-BH-WC-1	0	29-MAR-94	6010	0.02	U	0.02	17.3	F
Chromium	SNL0093722	LWDS-BH-WC-2	0	29-MAR-94	6010	0.02	U	0.02	17.3	F
Chromium	SNL0093714	LWDS-BH-WC-3	0	29-MAR-94	6010	0.02	U	0.02	17.3	F
Chromium	SNL0093140	LWDS-DR-EX-1	0	25-JAN-94	6010	5		1	17.3	F
Cobalt	SNL0094128	LWDS-BH-EB	0	01-DEC-94	T-6010	0.01	U	0.01	5.2	EB
Cobalt	SNL0093140	LWDS-DR-EX-1	0	25-JAN-94	6010	2.6		1	5.2	F
Copper	SNL0094128	LWDS-BH-EB	0	01-DEC-94	T-6010	0.019	J	0.02	15.4	EB
Copper	SNL0093140	LWDS-DR-EX-1	0	25-JAN-94	6010	5.6		2	15.4	F
Iron	SNL0094128	LWDS-BH-EB	0	01-DEC-94	T-6010	0.28		0.1	NA	EB
Iron	SNL0093140	LWDS-DR-EX-1	0	25-JAN-94	6010	6040		10	NA	F
Lead	SNL0094128	LWDS-BH-EB	0	01-DEC-94	T-6010	0.0039		0.003	21.4	EB
Lead	SNL0093726	LWDS-BH-WC-1	0	29-MAR-94	6010	0.1	U	0.1	21.4	F
Lead	SNL0093722	LWDS-BH-WC-2	0	29-MAR-94	6010	0.1	U	0.1	21.4	F
Lead	SNL0093714	LWDS-BH-WC-3	0	29-MAR-94	6010	0.1	U	0.1	21.4	F
Lead	SNL0093142	LWDS-DR-EX-1	0	25-JAN-94	7421	5.6		0.5	21.4	F
Magnesium	SNL0094128	LWDS-BH-EB	0	01-DEC-94	T-6010	0.13	J	0.2	NA	EB
Magnesium	SNL0093140	LWDS-DR-EX-1	0	25-JAN-94	6010	2090		20	NA	F
Manganese	SNL0094128	LWDS-BH-EB	0	01-DEC-94	T-6010	0.0069	J	0.01	NA	EB
Manganese	SNL0093140	LWDS-DR-EX-1	0	25-JAN-94	6010	103		1	NA	F
Mercury	SNL0094127	LWDS-BH-EB	0	01-DEC-94	7470	0.0002	U	0.0002	<0.25	EB
Mercury	SNL0093727	LWDS-BH-WC-1	0	29-MAR-94	7470	0.002	U	0.002	<0.25	F
Mercury	SNL0093723	LWDS-BH-WC-2	0	29-MAR-94	7470	0.002	U	0.002	<0.25	F
Mercury	SNL0093715	LWDS-BH-WC-3	0	29-MAR-94	7470	0.002	U	0.002	<0.25	F
Mercury	SNL0093143	LWDS-DR-EX-1	0	25-JAN-94	7471	0.1	U	0.1	<0.25	F
Nickel	SNL0094128	LWDS-BH-EB	0	01-DEC-94	T-6010	0.04	U	0.04	11.5	EB
Nickel	SNL0093140	LWDS-DR-EX-1	0	25-JAN-94	6010	5.2		4	11.5	F
Potassium	SNL0094128	LWDS-BH-EB	0	01-DEC-94	T-6010	5	U	5	NA	EB
Potassium	SNL0093140	LWDS-DR-EX-1	0	25-JAN-94	6010	1210		500	NA	F
Selenium	SNL0094128	LWDS-BH-EB	0	01-DEC-94	T-6010	0.005	U	0.005	<1	EB
Selenium	SNL0093726	LWDS-BH-WC-1	0	29-MAR-94	6010	0.0058		0.005	<1	F
Selenium	SNL0093722	LWDS-BH-WC-2	0	29-MAR-94	6010	0.005	U	0.005	<1	F
Selenium	SNL0093714	LWDS-BH-WC-3	0	29-MAR-94	6010	0.0095	J	0.01	<1	F
Selenium	SNL0093144	LWDS-DR-EX-1	0	25-JAN-94	7740	0.13	J	1	<1	F
Silver	SNL0094128	LWDS-BH-EB	0	01-DEC-94	T-6010	0.01	U	0.01	<1	EB
Silver	SNL0093726	LWDS-BH-WC-1	0	29-MAR-94	6010	0.02	U	0.02	<1	F
Silver	SNL0093722	LWDS-BH-WC-2	0	29-MAR-94	6010	0.02	U	0.02	<1	F
Silver	SNL0093714	LWDS-BH-WC-3	0	29-MAR-94	6010	0.02	U	0.02	<1	F
Silver	SNL0093140	LWDS-DR-EX-1	0	25-JAN-94	6010	1	U	1	<1	F
Sodium	SNL0094128	LWDS-BH-EB	0	01-DEC-94	T-6010	0.91	J	5	NA	EB
Sodium	SNL0093140	LWDS-DR-EX-1	0	25-JAN-94	6010	408	J	500	NA	F
Thallium	SNL0094128	LWDS-BH-EB	0	01-DEC-94	T-6010	0.01	U	0.01	<1.1	EB
Thallium	SNL0093145	LWDS-DR-EX-1	0	25-JAN-94	7841	0.5	U	0.5	<1.1	F
Vanadium	SNL0094128	LWDS-BH-EB	0	01-DEC-94	T-6010	0.01	U	0.01	20.4	EB
Vanadium	SNL0093140	LWDS-DR-EX-1	0	25-JAN-94	6010	10.2		1	20.4	F
Zinc	SNL0094128	LWDS-BH-EB	0	01-DEC-94	T-6010	0.031		0.02	62	EB
Zinc	SNL0093140	LWDS-DR-EX-1	0	25-JAN-94	6010	16.9		2	62	F

Table A-11. Organics analyses of soil samples from the LWDS background study.

Analyte	Sample Number	Sample Location	Sample Depth (Ft)	Sample Date	Analytical Method	Amount Detected (ug/kg)	Qualifier	Method Detection Limit	Sample Type
2,4-Dinitrotoluene	SNL0093728	LWDS-BH-WC-1	0	29-MAR-94	8270	330	U	330	F
2,4-Dinitrotoluene	SNL0093724	LWDS-BH-WC-2	0	29-MAR-94	8270	330	U	330	F
2,4-Dinitrotoluene	SNL0093716	LWDS-BH-WC-3	0	29-MAR-94	8270	330	U	330	F
2,4-Dinitrotoluene	SNL0093146	LWDS-DR-EX-1	0	25-JAN-94	8270	330	U	330	F
Acenaphthene	SNL0093728	LWDS-BH-WC-1	0	29-MAR-94	8270	330	U	330	F
Acenaphthene	SNL0093724	LWDS-BH-WC-2	0	29-MAR-94	8270	330	U	330	F
Acenaphthene	SNL0093716	LWDS-BH-WC-3	0	29-MAR-94	8270	330	U	330	F
Acenaphthene	SNL0093146	LWDS-DR-EX-1	0	25-JAN-94	8270	330	U	330	F
Acenaphthylene	SNL0093728	LWDS-BH-WC-1	0	29-MAR-94	8270	330	U	330	F
Acenaphthylene	SNL0093724	LWDS-BH-WC-2	0	29-MAR-94	8270	330	U	330	F
Acenaphthylene	SNL0093716	LWDS-BH-WC-3	0	29-MAR-94	8270	330	U	330	F
Acenaphthylene	SNL0093146	LWDS-DR-EX-1	0	25-JAN-94	8270	330	U	330	F
Acetone	SNL0094154	LWDS-BH-EB	0	01-DEC-94	8240	28		10	FB
Acetone	SNL0093729	LWDS-BH-WC-1	0	29-MAR-94	8240	10	U	10	TB
Acetone	SNL0093725	LWDS-BH-WC-1	0	29-MAR-94	8240	10	U	10	F
Acetone	SNL0093721	LWDS-BH-WC-2	0	29-MAR-94	8240	4.7	J	10	F
Acetone	SNL0093713	LWDS-BH-WC-3	0	29-MAR-94	8240	10	U	10	F
Acetone	SNL0093147	LWDS-DR-EX-1	0	25-JAN-94	8240	4700	BE	10	TB
Acetone	SNL0093139	LWDS-DR-EX-1	0	25-JAN-94	8240	10	U	10	F
Anthracene	SNL0093728	LWDS-BH-WC-1	0	29-MAR-94	8270	330	U	330	F
Anthracene	SNL0093724	LWDS-BH-WC-2	0	29-MAR-94	8270	330	U	330	F
Anthracene	SNL0093716	LWDS-BH-WC-3	0	29-MAR-94	8270	330	U	330	F
Anthracene	SNL0093146	LWDS-DR-EX-1	0	25-JAN-94	8270	330	U	330	F
Benzene	SNL0094154	LWDS-BH-EB	0	01-DEC-94	8240	5	U	5	FB
Benzene	SNL0093729	LWDS-BH-WC-1	0	29-MAR-94	8240	5	U	5	TB
Benzene	SNL0093725	LWDS-BH-WC-1	0	29-MAR-94	8240	5	U	5	F
Benzene	SNL0093721	LWDS-BH-WC-2	0	29-MAR-94	8240	5	U	5	F
Benzene	SNL0093713	LWDS-BH-WC-3	0	29-MAR-94	8240	1.3	J	5	F
Benzene	SNL0093147	LWDS-DR-EX-1	0	25-JAN-94	8240	4.8	J	5	TB
Benzene	SNL0093139	LWDS-DR-EX-1	0	25-JAN-94	8240	5	U	5	F
Benzo(a)anthracene	SNL0093728	LWDS-BH-WC-1	0	29-MAR-94	8270	36	J	330	F
Benzo(a)anthracene	SNL0093724	LWDS-BH-WC-2	0	29-MAR-94	8270	330	U	330	F
Benzo(a)anthracene	SNL0093716	LWDS-BH-WC-3	0	29-MAR-94	8270	330	U	330	F
Benzo(a)anthracene	SNL0093146	LWDS-DR-EX-1	0	25-JAN-94	8270	330	U	330	F
Benzo(a)pyrene	SNL0093728	LWDS-BH-WC-1	0	29-MAR-94	8270	34	J	330	F
Benzo(a)pyrene	SNL0093724	LWDS-BH-WC-2	0	29-MAR-94	8270	330	U	330	F
Benzo(a)pyrene	SNL0093716	LWDS-BH-WC-3	0	29-MAR-94	8270	330	U	330	F
Benzo(a)pyrene	SNL0093146	LWDS-DR-EX-1	0	25-JAN-94	8270	330	U	330	F
Benzo(b)fluoranthene	SNL0093728	LWDS-BH-WC-1	0	29-MAR-94	8270	54	J	330	F
Benzo(b)fluoranthene	SNL0093724	LWDS-BH-WC-2	0	29-MAR-94	8270	330	U	330	F
Benzo(b)fluoranthene	SNL0093716	LWDS-BH-WC-3	0	29-MAR-94	8270	330	U	330	F
Benzo(b)fluoranthene	SNL0093146	LWDS-DR-EX-1	0	25-JAN-94	8270	330	U	330	F
Benzo(ghi)perylene	SNL0093728	LWDS-BH-WC-1	0	29-MAR-94	8270	330	U	330	F
Benzo(ghi)perylene	SNL0093724	LWDS-BH-WC-2	0	29-MAR-94	8270	330	U	330	F
Benzo(ghi)perylene	SNL0093716	LWDS-BH-WC-3	0	29-MAR-94	8270	330	U	330	F
Benzo(ghi)perylene	SNL0093146	LWDS-DR-EX-1	0	25-JAN-94	8270	330	U	330	F
Benzo(k)fluoranthene	SNL0093728	LWDS-BH-WC-1	0	29-MAR-94	8270	330	U	330	F
Benzo(k)fluoranthene	SNL0093724	LWDS-BH-WC-2	0	29-MAR-94	8270	330	U	330	F
Benzo(k)fluoranthene	SNL0093716	LWDS-BH-WC-3	0	29-MAR-94	8270	330	U	330	F
Benzo(k)fluoranthene	SNL0093146	LWDS-DR-EX-1	0	25-JAN-94	8270	330	U	330	F
Benzoic acid	SNL0093728	LWDS-BH-WC-1	0	29-MAR-94	8270	1600	U	1600	F
Benzoic acid	SNL0093724	LWDS-BH-WC-2	0	29-MAR-94	8270	1600	U	1600	F
Benzoic acid	SNL0093716	LWDS-BH-WC-3	0	29-MAR-94	8270	1600	U	1600	F
Benzoic acid	SNL0093146	LWDS-DR-EX-1	0	25-JAN-94	8270	1600	U	1600	F
Benzyl alcohol	SNL0093728	LWDS-BH-WC-1	0	29-MAR-94	8270	330	U	330	F
Benzyl alcohol	SNL0093724	LWDS-BH-WC-2	0	29-MAR-94	8270	330	U	330	F
Benzyl alcohol	SNL0093716	LWDS-BH-WC-3	0	29-MAR-94	8270	330	U	330	F
Benzyl alcohol	SNL0093146	LWDS-DR-EX-1	0	25-JAN-94	8270	330	U	330	F
Bromodichloromethane	SNL0094154	LWDS-BH-EB	0	01-DEC-94	8240	5	U	5	FB
Bromodichloromethane	SNL0093729	LWDS-BH-WC-1	0	29-MAR-94	8240	5	U	5	TB
Bromodichloromethane	SNL0093725	LWDS-BH-WC-1	0	29-MAR-94	8240	5	U	5	F
Bromodichloromethane	SNL0093721	LWDS-BH-WC-2	0	29-MAR-94	8240	5	U	5	F
Bromodichloromethane	SNL0093713	LWDS-BH-WC-3	0	29-MAR-94	8240	5	U	5	F
Bromodichloromethane	SNL0093147	LWDS-DR-EX-1	0	25-JAN-94	8240	5	U	5	TB
Bromodichloromethane	SNL0093139	LWDS-DR-EX-1	0	25-JAN-94	8240	5	U	5	F
Bromoform	SNL0094154	LWDS-BH-EB	0	01-DEC-94	8240	5	U	5	FB
Bromoform	SNL0093729	LWDS-BH-WC-1	0	29-MAR-94	8240	5	U	5	TB
Bromoform	SNL0093725	LWDS-BH-WC-1	0	29-MAR-94	8240	5	U	5	F
Bromoform	SNL0093721	LWDS-BH-WC-2	0	29-MAR-94	8240	5	U	5	F
Bromoform	SNL0093713	LWDS-BH-WC-3	0	29-MAR-94	8240	5	U	5	F
Bromoform	SNL0093147	LWDS-DR-EX-1	0	25-JAN-94	8240	5	U	5	TB
Bromoform	SNL0093139	LWDS-DR-EX-1	0	25-JAN-94	8240	5	U	5	F
Bromomethane	SNL0094154	LWDS-BH-EB	0	01-DEC-94	8240	10	U	10	FB
Bromomethane	SNL0093725	LWDS-BH-WC-1	0	29-MAR-94	8240	10	U	10	F

Table A-11. Organics analyses of soil samples from the LWDS background study.

Analyte	Sample Number	Sample Location	Sample Depth (Ft)	Sample Date	Analytical Method	Amount Detected (ug/kg)	Qualifier	Method Detection Limit	Sample Type
Bromomethane	SNL0093729	LWDS-BH-WC-1	0	29-MAR-94	8240	10	U	10	TB
Bromomethane	SNL0093721	LWDS-BH-WC-2	0	29-MAR-94	8240	10	U	10	F
Bromomethane	SNL0093713	LWDS-BH-WC-3	0	29-MAR-94	8240	10	U	10	F
Bromomethane	SNL0093147	LWDS-DR-EX-1	0	25-JAN-94	8240	10	U	10	TB
Bromomethane	SNL0093139	LWDS-DR-EX-1	0	25-JAN-94	8240	10	U	10	F
Bromophenyl phenyl ether, 4-	SNL0093728	LWDS-BH-WC-1	0	29-MAR-94	8270	330	U	330	F
Bromophenyl phenyl ether, 4-	SNL0093724	LWDS-BH-WC-2	0	29-MAR-94	8270	330	U	330	F
Bromophenyl phenyl ether, 4-	SNL0093716	LWDS-BH-WC-3	0	29-MAR-94	8270	330	U	330	F
Bromophenyl phenyl ether, 4-	SNL0093146	LWDS-DR-EX-1	0	25-JAN-94	8270	330	U	330	F
Butanone, 2-	SNL0094154	LWDS-BH-EB	0	01-DEC-94	8240	28		10	FB
Butanone, 2-	SNL0093729	LWDS-BH-WC-1	0	29-MAR-94	8240	10	U	10	TB
Butanone, 2-	SNL0093725	LWDS-BH-WC-1	0	29-MAR-94	8240	10	U	10	F
Butanone, 2-	SNL0093721	LWDS-BH-WC-2	0	29-MAR-94	8240	10	U	10	F
Butanone, 2-	SNL0093713	LWDS-BH-WC-3	0	29-MAR-94	8240	10	U	10	F
Butanone, 2-	SNL0093147	LWDS-DR-EX-1	0	25-JAN-94	8240	1100	E	10	TB
Butanone, 2-	SNL0093139	LWDS-DR-EX-1	0	25-JAN-94	8240	10	U	10	F
Butylbenzyl phthalate	SNL0093728	LWDS-BH-WC-1	0	29-MAR-94	8270	330	U	330	F
Butylbenzyl phthalate	SNL0093724	LWDS-BH-WC-2	0	29-MAR-94	8270	330	U	330	F
Butylbenzyl phthalate	SNL0093716	LWDS-BH-WC-3	0	29-MAR-94	8270	210	J	330	F
Butylbenzyl phthalate	SNL0093146	LWDS-DR-EX-1	0	25-JAN-94	8270	330	U	330	F
Carbazole	SNL0093728	LWDS-BH-WC-1	0	29-MAR-94	8270	330	U	330	F
Carbazole	SNL0093724	LWDS-BH-WC-2	0	29-MAR-94	8270	330	U	330	F
Carbazole	SNL0093716	LWDS-BH-WC-3	0	29-MAR-94	8270	330	U	330	F
Carbon disulfide	SNL0094154	LWDS-BH-EB	0	01-DEC-94	8240	5	U	5	FB
Carbon disulfide	SNL0093729	LWDS-BH-WC-1	0	29-MAR-94	8240	5	U	5	TB
Carbon disulfide	SNL0093725	LWDS-BH-WC-1	0	29-MAR-94	8240	5	U	5	F
Carbon disulfide	SNL0093721	LWDS-BH-WC-2	0	29-MAR-94	8240	5	U	5	F
Carbon disulfide	SNL0093713	LWDS-BH-WC-3	0	29-MAR-94	8240	5	U	5	F
Carbon disulfide	SNL0093147	LWDS-DR-EX-1	0	25-JAN-94	8240	5	U	5	TB
Carbon disulfide	SNL0093139	LWDS-DR-EX-1	0	25-JAN-94	8240	5	U	5	F
Carbon tetrachloride	SNL0094154	LWDS-BH-EB	0	01-DEC-94	8240	5	U	5	FB
Carbon tetrachloride	SNL0093725	LWDS-BH-WC-1	0	29-MAR-94	8240	5	U	5	F
Carbon tetrachloride	SNL0093729	LWDS-BH-WC-1	0	29-MAR-94	8240	5	U	5	TB
Carbon tetrachloride	SNL0093721	LWDS-BH-WC-2	0	29-MAR-94	8240	5	U	5	F
Carbon tetrachloride	SNL0093713	LWDS-BH-WC-3	0	29-MAR-94	8240	5	U	5	F
Carbon tetrachloride	SNL0093147	LWDS-DR-EX-1	0	25-JAN-94	8240	5	U	5	TB
Carbon tetrachloride	SNL0093139	LWDS-DR-EX-1	0	25-JAN-94	8240	5	U	5	F
Chloro-3-methylphenol, 4-	SNL0093728	LWDS-BH-WC-1	0	29-MAR-94	8270	330	U	330	F
Chloro-3-methylphenol, 4-	SNL0093724	LWDS-BH-WC-2	0	29-MAR-94	8270	330	U	330	F
Chloro-3-methylphenol, 4-	SNL0093716	LWDS-BH-WC-3	0	29-MAR-94	8270	330	U	330	F
Chloro-3-methylphenol, 4-	SNL0093146	LWDS-DR-EX-1	0	25-JAN-94	8270	330	U	330	F
Chloroaniline, 4-	SNL0093728	LWDS-BH-WC-1	0	29-MAR-94	8270	330	U	330	F
Chloroaniline, 4-	SNL0093724	LWDS-BH-WC-2	0	29-MAR-94	8270	330	U	330	F
Chloroaniline, 4-	SNL0093716	LWDS-BH-WC-3	0	29-MAR-94	8270	330	U	330	F
Chloroaniline, 4-	SNL0093146	LWDS-DR-EX-1	0	25-JAN-94	8270	330	U	330	F
Chlorobenzene	SNL0094154	LWDS-BH-EB	0	01-DEC-94	8240	5	U	5	FB
Chlorobenzene	SNL0093729	LWDS-BH-WC-1	0	29-MAR-94	8240	5	U	5	TB
Chlorobenzene	SNL0093725	LWDS-BH-WC-1	0	29-MAR-94	8240	5	U	5	F
Chlorobenzene	SNL0093721	LWDS-BH-WC-2	0	29-MAR-94	8240	5	U	5	F
Chlorobenzene	SNL0093713	LWDS-BH-WC-3	0	29-MAR-94	8240	1.3	J	5	F
Chlorobenzene	SNL0093147	LWDS-DR-EX-1	0	25-JAN-94	8240	5	U	5	TB
Chlorobenzene	SNL0093139	LWDS-DR-EX-1	0	25-JAN-94	8240	5	U	5	F
Chloroethane	SNL0094154	LWDS-BH-EB	0	01-DEC-94	8240	10	U	10	FB
Chloroethane	SNL0093725	LWDS-BH-WC-1	0	29-MAR-94	8240	10	U	10	F
Chloroethane	SNL0093729	LWDS-BH-WC-1	0	29-MAR-94	8240	10	U	10	TB
Chloroethane	SNL0093721	LWDS-BH-WC-2	0	29-MAR-94	8240	10	U	10	F
Chloroethane	SNL0093713	LWDS-BH-WC-3	0	29-MAR-94	8240	10	U	10	F
Chloroethane	SNL0093147	LWDS-DR-EX-1	0	25-JAN-94	8240	10	U	10	TB
Chloroethane	SNL0093139	LWDS-DR-EX-1	0	25-JAN-94	8240	10	U	10	F
Chloroethoxy)methane, bis(2-	SNL0093728	LWDS-BH-WC-1	0	29-MAR-94	8270	330	U	330	F
Chloroethoxy)methane, bis(2-	SNL0093724	LWDS-BH-WC-2	0	29-MAR-94	8270	330	U	330	F
Chloroethoxy)methane, bis(2-	SNL0093716	LWDS-BH-WC-3	0	29-MAR-94	8270	330	U	330	F
Chloroethoxy)methane, bis(2-	SNL0093146	LWDS-DR-EX-1	0	25-JAN-94	8270	330	U	330	F
Chloroethyl)ether, bis(2-	SNL0093728	LWDS-BH-WC-1	0	29-MAR-94	8270	330	U	330	F
Chloroethyl)ether, bis(2-	SNL0093724	LWDS-BH-WC-2	0	29-MAR-94	8270	330	U	330	F
Chloroethyl)ether, bis(2-	SNL0093716	LWDS-BH-WC-3	0	29-MAR-94	8270	330	U	330	F
Chloroethyl)ether, bis(2-	SNL0093146	LWDS-DR-EX-1	0	25-JAN-94	8270	330	U	330	F
Chloroform	SNL0094154	LWDS-BH-EB	0	01-DEC-94	8240	5	U	5	FB
Chloroform	SNL0093729	LWDS-BH-WC-1	0	29-MAR-94	8240	5	U	5	TB
Chloroform	SNL0093725	LWDS-BH-WC-1	0	29-MAR-94	8240	5	U	5	F
Chloroform	SNL0093721	LWDS-BH-WC-2	0	29-MAR-94	8240	5	U	5	F
Chloroform	SNL0093713	LWDS-BH-WC-3	0	29-MAR-94	8240	5	U	5	F
Chloroform	SNL0093147	LWDS-DR-EX-1	0	25-JAN-94	8240	5	U	5	TB
Chloroform	SNL0093139	LWDS-DR-EX-1	0	25-JAN-94	8240	5	U	5	F

Table A-11. Organics analyses of soil samples from the LWDS background study.

Analyte	Sample Number	Sample Location	Sample Depth (Ft)	Sample Date	Analytical Method	Amount Detected (ug/kg)	Qualifier	Method Detection Limit	Sample Type
Chloromethane	SNL0094154	LWDS-BH-EB	0	01-DEC-94	8240	10	U	10	FB
Chloromethane	SNL0093729	LWDS-BH-WC-1	0	29-MAR-94	8240	10	U	10	TB
Chloromethane	SNL0093725	LWDS-BH-WC-1	0	29-MAR-94	8240	10	U	10	F
Chloromethane	SNL0093721	LWDS-BH-WC-2	0	29-MAR-94	8240	10	U	10	F
Chloromethane	SNL0093713	LWDS-BH-WC-3	0	29-MAR-94	8240	10	U	10	F
Chloromethane	SNL0093147	LWDS-DR-EX-1	0	25-JAN-94	8240	10	U	10	TB
Chloromethane	SNL0093139	LWDS-DR-EX-1	0	25-JAN-94	8240	10	U	10	F
Chloronaphthalene, 2-	SNL0093728	LWDS-BH-WC-1	0	29-MAR-94	8270	330	U	330	F
Chloronaphthalene, 2-	SNL0093724	LWDS-BH-WC-2	0	29-MAR-94	8270	330	U	330	F
Chloronaphthalene, 2-	SNL0093716	LWDS-BH-WC-3	0	29-MAR-94	8270	330	U	330	F
Chloronaphthalene, 2-	SNL0093146	LWDS-DR-EX-1	0	25-JAN-94	8270	330	U	330	F
Chlorophenol, 2-	SNL0093728	LWDS-BH-WC-1	0	29-MAR-94	8270	330	U	330	F
Chlorophenol, 2-	SNL0093724	LWDS-BH-WC-2	0	29-MAR-94	8270	330	U	330	F
Chlorophenol, 2-	SNL0093716	LWDS-BH-WC-3	0	29-MAR-94	8270	330	U	330	F
Chlorophenol, 2-	SNL0093146	LWDS-DR-EX-1	0	25-JAN-94	8270	330	U	330	F
Chlorophenyl phenyl ether, 4-	SNL0093728	LWDS-BH-WC-1	0	29-MAR-94	8270	330	U	330	F
Chlorophenyl phenyl ether, 4-	SNL0093724	LWDS-BH-WC-2	0	29-MAR-94	8270	330	U	330	F
Chlorophenyl phenyl ether, 4-	SNL0093716	LWDS-BH-WC-3	0	29-MAR-94	8270	330	U	330	F
Chlorophenyl phenyl ether, 4-	SNL0093146	LWDS-DR-EX-1	0	25-JAN-94	8270	330	U	330	F
Chloropropane), 2,2'-oxybis(1-	SNL0093728	LWDS-BH-WC-1	0	29-MAR-94	8270	330	U	330	F
Chloropropane), 2,2'-oxybis(1-	SNL0093724	LWDS-BH-WC-2	0	29-MAR-94	8270	330	U	330	F
Chloropropane), 2,2'-oxybis(1-	SNL0093716	LWDS-BH-WC-3	0	29-MAR-94	8270	330	U	330	F
Chloropropane), 2,2'-oxybis(1-	SNL0093146	LWDS-DR-EX-1	0	25-JAN-94	8270	330	U	330	F
Chrysene	SNL0093728	LWDS-BH-WC-1	0	29-MAR-94	8270	38	J	330	F
Chrysene	SNL0093724	LWDS-BH-WC-2	0	29-MAR-94	8270	330	U	330	F
Chrysene	SNL0093716	LWDS-BH-WC-3	0	29-MAR-94	8270	330	U	330	F
Chrysene	SNL0093146	LWDS-DR-EX-1	0	25-JAN-94	8270	330	U	330	F
Di-n-butyl phthalate	SNL0093728	LWDS-BH-WC-1	0	29-MAR-94	8270	330	U	330	F
Di-n-butyl phthalate	SNL0093724	LWDS-BH-WC-2	0	29-MAR-94	8270	330	U	330	F
Di-n-butyl phthalate	SNL0093716	LWDS-BH-WC-3	0	29-MAR-94	8270	83	J	330	F
Di-n-butyl phthalate	SNL0093146	LWDS-DR-EX-1	0	25-JAN-94	8270	330	U	330	F
Di-n-octyl phthalate	SNL0093728	LWDS-BH-WC-1	0	29-MAR-94	8270	330	U	330	F
Di-n-octyl phthalate	SNL0093724	LWDS-BH-WC-2	0	29-MAR-94	8270	330	U	330	F
Di-n-octyl phthalate	SNL0093716	LWDS-BH-WC-3	0	29-MAR-94	8270	330	U	330	F
Di-n-octyl phthalate	SNL0093146	LWDS-DR-EX-1	0	25-JAN-94	8270	330	U	330	F
Dibenz[a,h]anthracene	SNL0093728	LWDS-BH-WC-1	0	29-MAR-94	8270	330	U	330	F
Dibenz[a,h]anthracene	SNL0093724	LWDS-BH-WC-2	0	29-MAR-94	8270	330	U	330	F
Dibenz[a,h]anthracene	SNL0093716	LWDS-BH-WC-3	0	29-MAR-94	8270	330	U	330	F
Dibenz[a,h]anthracene	SNL0093146	LWDS-DR-EX-1	0	25-JAN-94	8270	330	U	330	F
Dibenzofuran	SNL0093728	LWDS-BH-WC-1	0	29-MAR-94	8270	330	U	330	F
Dibenzofuran	SNL0093724	LWDS-BH-WC-2	0	29-MAR-94	8270	330	U	330	F
Dibenzofuran	SNL0093716	LWDS-BH-WC-3	0	29-MAR-94	8270	330	U	330	F
Dibenzofuran	SNL0093146	LWDS-DR-EX-1	0	25-JAN-94	8270	330	U	330	F
Dibromochloromethane	SNL0094154	LWDS-BH-EB	0	01-DEC-94	8240	5	U	5	FB
Dibromochloromethane	SNL0093729	LWDS-BH-WC-1	0	29-MAR-94	8240	5	U	5	TB
Dibromochloromethane	SNL0093725	LWDS-BH-WC-1	0	29-MAR-94	8240	5	U	5	F
Dibromochloromethane	SNL0093721	LWDS-BH-WC-2	0	29-MAR-94	8240	5	U	5	F
Dibromochloromethane	SNL0093713	LWDS-BH-WC-3	0	29-MAR-94	8240	5	U	5	F
Dibromochloromethane	SNL0093147	LWDS-DR-EX-1	0	25-JAN-94	8240	5	U	5	TB
Dibromochloromethane	SNL0093139	LWDS-DR-EX-1	0	25-JAN-94	8240	5	U	5	F
Dichlorobenzene, 1,2-	SNL0093728	LWDS-BH-WC-1	0	29-MAR-94	8270	330	U	330	F
Dichlorobenzene, 1,2-	SNL0093724	LWDS-BH-WC-2	0	29-MAR-94	8270	330	U	330	F
Dichlorobenzene, 1,2-	SNL0093716	LWDS-BH-WC-3	0	29-MAR-94	8270	330	U	330	F
Dichlorobenzene, 1,2-	SNL0093146	LWDS-DR-EX-1	0	25-JAN-94	8270	330	U	330	F
Dichlorobenzene, 1,3-	SNL0093728	LWDS-BH-WC-1	0	29-MAR-94	8270	330	U	330	F
Dichlorobenzene, 1,3-	SNL0093724	LWDS-BH-WC-2	0	29-MAR-94	8270	330	U	330	F
Dichlorobenzene, 1,3-	SNL0093716	LWDS-BH-WC-3	0	29-MAR-94	8270	330	U	330	F
Dichlorobenzene, 1,3-	SNL0093146	LWDS-DR-EX-1	0	25-JAN-94	8270	330	U	330	F
Dichlorobenzene, 1,4-	SNL0093728	LWDS-BH-WC-1	0	29-MAR-94	8270	330	U	330	F
Dichlorobenzene, 1,4-	SNL0093724	LWDS-BH-WC-2	0	29-MAR-94	8270	330	U	330	F
Dichlorobenzene, 1,4-	SNL0093716	LWDS-BH-WC-3	0	29-MAR-94	8270	330	U	330	F
Dichlorobenzene, 1,4-	SNL0093146	LWDS-DR-EX-1	0	25-JAN-94	8270	330	U	330	F
Dichlorobenzidine, 3,3'-	SNL0093728	LWDS-BH-WC-1	0	29-MAR-94	8270	660	U	660	F
Dichlorobenzidine, 3,3'-	SNL0093724	LWDS-BH-WC-2	0	29-MAR-94	8270	660	U	660	F
Dichlorobenzidine, 3,3'-	SNL0093716	LWDS-BH-WC-3	0	29-MAR-94	8270	660	U	660	F
Dichlorobenzidine, 3,3'-	SNL0093146	LWDS-DR-EX-1	0	25-JAN-94	8270	660	U	660	F
Dichloroethane, 1,1-	SNL0094154	LWDS-BH-EB	0	01-DEC-94	8240	5	U	5	FB
Dichloroethane, 1,1-	SNL0093729	LWDS-BH-WC-1	0	29-MAR-94	8240	5	U	5	TB
Dichloroethane, 1,1-	SNL0093725	LWDS-BH-WC-1	0	29-MAR-94	8240	5	U	5	F
Dichloroethane, 1,1-	SNL0093721	LWDS-BH-WC-2	0	29-MAR-94	8240	5	U	5	F
Dichloroethane, 1,1-	SNL0093713	LWDS-BH-WC-3	0	29-MAR-94	8240	5	U	5	F
Dichloroethane, 1,1-	SNL0093139	LWDS-DR-EX-1	0	25-JAN-94	8240	5	U	5	F
Dichloroethane, 1,1-	SNL0093147	LWDS-DR-EX-1	0	25-JAN-94	8240	5	U	5	TB
Dichloroethane, 1,2-	SNL0094154	LWDS-BH-EB	0	01-DEC-94	8240	5	U	5	FB

Table A-11. Organics analyses of soil samples from the LWDS background study.

Analyte	Sample Number	Sample Location	Sample Depth (Ft)	Sample Date	Analytical Method	Amount Detected (ug/kg)	Qualifier	Method Detection Limit	Sample Type
Dichloroethane, 1,2-	SNL0093729	LWDS-BH-WC-1	0	29-MAR-94	8240	5	U	5	TB
Dichloroethane, 1,2-	SNL0093725	LWDS-BH-WC-1	0	29-MAR-94	8240	5	U	5	F
Dichloroethane, 1,2-	SNL0093721	LWDS-BH-WC-2	0	29-MAR-94	8240	5	U	5	F
Dichloroethane, 1,2-	SNL0093713	LWDS-BH-WC-3	0	29-MAR-94	8240	5	U	5	F
Dichloroethane, 1,2-	SNL0093147	LWDS-DR-EX-1	0	25-JAN-94	8240	5	U	5	TB
Dichloroethane, 1,2-	SNL0093139	LWDS-DR-EX-1	0	25-JAN-94	8240	5	U	5	F
Dichloroethene, 1,1-	SNL0094154	LWDS-BH-EB	0	01-DEC-94	8240	5	U	5	FB
Dichloroethene, 1,1-	SNL0093729	LWDS-BH-WC-1	0	29-MAR-94	8240	5	U	5	TB
Dichloroethene, 1,1-	SNL0093725	LWDS-BH-WC-1	0	29-MAR-94	8240	5	U	5	F
Dichloroethene, 1,1-	SNL0093721	LWDS-BH-WC-2	0	29-MAR-94	8240	5	U	5	F
Dichloroethene, 1,1-	SNL0093713	LWDS-BH-WC-3	0	29-MAR-94	8240	1.6	J	5	F
Dichloroethene, 1,1-	SNL0093139	LWDS-DR-EX-1	0	25-JAN-94	8240	5	U	5	F
Dichloroethene, 1,1-	SNL0093147	LWDS-DR-EX-1	0	25-JAN-94	8240	5	U	5	TB
Dichloroethene, 1,2-	SNL0094154	LWDS-BH-EB	0	01-DEC-94	8240	5	U	5	FB
Dichloroethene, 1,2-	SNL0093729	LWDS-BH-WC-1	0	29-MAR-94	8240	5	U	5	TB
Dichloroethene, 1,2-	SNL0093725	LWDS-BH-WC-1	0	29-MAR-94	8240	5	U	5	F
Dichloroethene, 1,2-	SNL0093721	LWDS-BH-WC-2	0	29-MAR-94	8240	5	U	5	F
Dichloroethene, 1,2-	SNL0093713	LWDS-BH-WC-3	0	29-MAR-94	8240	5	U	5	F
Dichloroethene, 1,2-	SNL0093147	LWDS-DR-EX-1	0	25-JAN-94	8240	5	U	5	TB
Dichloroethene, 1,2-	SNL0093139	LWDS-DR-EX-1	0	25-JAN-94	8240	5	U	5	F
Dichloromethane-methylene chloride	SNL0094154	LWDS-BH-EB	0	01-DEC-94	8240	8.4		5	FB
Dichloromethane-methylene chloride	SNL0093725	LWDS-BH-WC-1	0	29-MAR-94	8240	5	U	5	F
Dichloromethane-methylene chloride	SNL0093729	LWDS-BH-WC-1	0	29-MAR-94	8240	5	U	5	TB
Dichloromethane-methylene chloride	SNL0093721	LWDS-BH-WC-2	0	29-MAR-94	8240	1.2	J	5	F
Dichloromethane-methylene chloride	SNL0093713	LWDS-BH-WC-3	0	29-MAR-94	8240	3.5	BJ	5	F
Dichloromethane-methylene chloride	SNL0093139	LWDS-DR-EX-1	0	25-JAN-94	8240	3.9	BJ	5	F
Dichloromethane-methylene chloride	SNL0093147	LWDS-DR-EX-1	0	25-JAN-94	8240	43	B	5	TB
Dichloropropane, 1,2-	SNL0094154	LWDS-BH-EB	0	01-DEC-94	8240	5	U	5	FB
Dichloropropane, 1,2-	SNL0093729	LWDS-BH-WC-1	0	29-MAR-94	8240	5	U	5	TB
Dichloropropane, 1,2-	SNL0093725	LWDS-BH-WC-1	0	29-MAR-94	8240	5	U	5	F
Dichloropropane, 1,2-	SNL0093721	LWDS-BH-WC-2	0	29-MAR-94	8240	5	U	5	F
Dichloropropane, 1,2-	SNL0093713	LWDS-BH-WC-3	0	29-MAR-94	8240	5	U	5	F
Dichloropropane, 1,2-	SNL0093147	LWDS-DR-EX-1	0	25-JAN-94	8240	5	U	5	TB
Dichloropropane, 1,2-	SNL0093139	LWDS-DR-EX-1	0	25-JAN-94	8240	5	U	5	F
Dichloropropene, cis-1,3-	SNL0094154	LWDS-BH-EB	0	01-DEC-94	8240	5	U	5	FB
Dichloropropene, cis-1,3-	SNL0093729	LWDS-BH-WC-1	0	29-MAR-94	8240	5	U	5	TB
Dichloropropene, cis-1,3-	SNL0093725	LWDS-BH-WC-1	0	29-MAR-94	8240	5	U	5	F
Dichloropropene, cis-1,3-	SNL0093721	LWDS-BH-WC-2	0	29-MAR-94	8240	5	U	5	F
Dichloropropene, cis-1,3-	SNL0093713	LWDS-BH-WC-3	0	29-MAR-94	8240	5	U	5	F
Dichloropropene, cis-1,3-	SNL0093147	LWDS-DR-EX-1	0	25-JAN-94	8240	5	U	5	TB
Dichloropropene, cis-1,3-	SNL0093139	LWDS-DR-EX-1	0	25-JAN-94	8240	5	U	5	F
Dichloropropene, trans-1,3-	SNL0094154	LWDS-BH-EB	0	01-DEC-94	8240	5	U	5	FB
Dichloropropene, trans-1,3-	SNL0093729	LWDS-BH-WC-1	0	29-MAR-94	8240	5	U	5	TB
Dichloropropene, trans-1,3-	SNL0093725	LWDS-BH-WC-1	0	29-MAR-94	8240	5	U	5	F
Dichloropropene, trans-1,3-	SNL0093721	LWDS-BH-WC-2	0	29-MAR-94	8240	5	U	5	F
Dichloropropene, trans-1,3-	SNL0093713	LWDS-BH-WC-3	0	29-MAR-94	8240	5	U	5	F
Dichloropropene, trans-1,3-	SNL0093147	LWDS-DR-EX-1	0	25-JAN-94	8240	5	U	5	TB
Dichloropropene, trans-1,3-	SNL0093139	LWDS-DR-EX-1	0	25-JAN-94	8240	5	U	5	F
Dichlorphenol, 2,4-	SNL0093728	LWDS-BH-WC-1	0	29-MAR-94	8270	330	U	330	F
Dichlorphenol, 2,4-	SNL0093724	LWDS-BH-WC-2	0	29-MAR-94	8270	330	U	330	F
Dichlorphenol, 2,4-	SNL0093716	LWDS-BH-WC-3	0	29-MAR-94	8270	330	U	330	F
Dichlorphenol, 2,4-	SNL0093146	LWDS-DR-EX-1	0	25-JAN-94	8270	330	U	330	F
Diethylphthalate	SNL0093728	LWDS-BH-WC-1	0	29-MAR-94	8270	330	U	330	F
Diethylphthalate	SNL0093724	LWDS-BH-WC-2	0	29-MAR-94	8270	330	U	330	F
Diethylphthalate	SNL0093716	LWDS-BH-WC-3	0	29-MAR-94	8270	330	U	330	F
Diethylphthalate	SNL0093146	LWDS-DR-EX-1	0	25-JAN-94	8270	330	U	330	F
Dimethylphenol, 2,4-	SNL0093728	LWDS-BH-WC-1	0	29-MAR-94	8270	330	U	330	F
Dimethylphenol, 2,4-	SNL0093724	LWDS-BH-WC-2	0	29-MAR-94	8270	330	U	330	F
Dimethylphenol, 2,4-	SNL0093716	LWDS-BH-WC-3	0	29-MAR-94	8270	330	U	330	F
Dimethylphenol, 2,4-	SNL0093146	LWDS-DR-EX-1	0	25-JAN-94	8270	330	U	330	F
Dimethylphthalate	SNL0093728	LWDS-BH-WC-1	0	29-MAR-94	8270	330	U	330	F
Dimethylphthalate	SNL0093724	LWDS-BH-WC-2	0	29-MAR-94	8270	330	U	330	F
Dimethylphthalate	SNL0093716	LWDS-BH-WC-3	0	29-MAR-94	8270	330	U	330	F
Dimethylphthalate	SNL0093146	LWDS-DR-EX-1	0	25-JAN-94	8270	330	U	330	F
Dinitro-o-cresol, 4,6-	SNL0093728	LWDS-BH-WC-1	0	29-MAR-94	8270	1600	U	1600	F
Dinitro-o-cresol, 4,6-	SNL0093724	LWDS-BH-WC-2	0	29-MAR-94	8270	1600	U	1600	F
Dinitro-o-cresol, 4,6-	SNL0093716	LWDS-BH-WC-3	0	29-MAR-94	8270	1600	U	1600	F
Dinitro-o-cresol, 4,6-	SNL0093146	LWDS-DR-EX-1	0	25-JAN-94	8270	1600	U	1600	F
Dinitrophenol, 2,4-	SNL0093728	LWDS-BH-WC-1	0	29-MAR-94	8270	1600	U	1600	F
Dinitrophenol, 2,4-	SNL0093724	LWDS-BH-WC-2	0	29-MAR-94	8270	1600	U	1600	F
Dinitrophenol, 2,4-	SNL0093716	LWDS-BH-WC-3	0	29-MAR-94	8270	1600	U	1600	F
Dinitrophenol, 2,4-	SNL0093146	LWDS-DR-EX-1	0	25-JAN-94	8270	1600	U	1600	F
Dinitrotoluene, 2,6-	SNL0093728	LWDS-BH-WC-1	0	29-MAR-94	8270	330	U	330	F
Dinitrotoluene, 2,6-	SNL0093724	LWDS-BH-WC-2	0	29-MAR-94	8270	330	U	330	F

Table A-11. Organics analyses of soil samples from the LWDS background study.

Analyte	Sample Number	Sample Location	Sample Depth (Ft)	Sample Date	Analytical Method	Amount Detected (ug/kg)	Qualifier	Method Detection Limit	Sample Type
Dinitrotoluene, 2,6-	SNL0093716	LWDS-BH-WC-3	0	29-MAR-94	8270	330	U	330	F
Dinitrotoluene, 2,6-	SNL0093146	LWDS-DR-EX-1	0	25-JAN-94	8270	330	U	330	F
Ethyl benzene	SNL0094154	LWDS-BH-EB	0	01-DEC-94	8240	5	U	5	FB
Ethyl benzene	SNL0093729	LWDS-BH-WC-1	0	29-MAR-94	8240	5	U	5	TB
Ethyl benzene	SNL0093725	LWDS-BH-WC-1	0	29-MAR-94	8240	5	U	5	F
Ethyl benzene	SNL0093721	LWDS-BH-WC-2	0	29-MAR-94	8240	5	U	5	F
Ethyl benzene	SNL0093713	LWDS-BH-WC-3	0	29-MAR-94	8240	5	U	5	F
Ethyl benzene	SNL0093147	LWDS-DR-EX-1	0	25-JAN-94	8240	1.2	J	5	TB
Ethyl benzene	SNL0093139	LWDS-DR-EX-1	0	25-JAN-94	8240	5	U	5	F
Ethylhexyl)phthalate, bis(2-	SNL0093728	LWDS-BH-WC-1	0	29-MAR-94	8270	340		330	F
Ethylhexyl)phthalate, bis(2-	SNL0093724	LWDS-BH-WC-2	0	29-MAR-94	8270	100	J	330	F
Ethylhexyl)phthalate, bis(2-	SNL0093716	LWDS-BH-WC-3	0	29-MAR-94	8270	370		330	F
Ethylhexyl)phthalate, bis(2-	SNL0093146	LWDS-DR-EX-1	0	25-JAN-94	8270	330	U	330	F
Fluoranthene	SNL0093728	LWDS-BH-WC-1	0	29-MAR-94	8270	94	J	330	F
Fluoranthene	SNL0093724	LWDS-BH-WC-2	0	29-MAR-94	8270	330	U	330	F
Fluoranthene	SNL0093716	LWDS-BH-WC-3	0	29-MAR-94	8270	330	U	330	F
Fluoranthene	SNL0093146	LWDS-DR-EX-1	0	25-JAN-94	8270	330	U	330	F
Fluorene	SNL0093728	LWDS-BH-WC-1	0	29-MAR-94	8270	330	U	330	F
Fluorene	SNL0093724	LWDS-BH-WC-2	0	29-MAR-94	8270	330	U	330	F
Fluorene	SNL0093716	LWDS-BH-WC-3	0	29-MAR-94	8270	330	U	330	F
Fluorene	SNL0093146	LWDS-DR-EX-1	0	25-JAN-94	8270	330	U	330	F
Hexachlorobenzene	SNL0093728	LWDS-BH-WC-1	0	29-MAR-94	8270	330	U	330	F
Hexachlorobenzene	SNL0093724	LWDS-BH-WC-2	0	29-MAR-94	8270	330	U	330	F
Hexachlorobenzene	SNL0093716	LWDS-BH-WC-3	0	29-MAR-94	8270	330	U	330	F
Hexachlorobenzene	SNL0093146	LWDS-DR-EX-1	0	25-JAN-94	8270	330	U	330	F
Hexachlorobutadiene	SNL0093728	LWDS-BH-WC-1	0	29-MAR-94	8270	330	U	330	F
Hexachlorobutadiene	SNL0093724	LWDS-BH-WC-2	0	29-MAR-94	8270	330	U	330	F
Hexachlorobutadiene	SNL0093716	LWDS-BH-WC-3	0	29-MAR-94	8270	330	U	330	F
Hexachlorobutadiene	SNL0093146	LWDS-DR-EX-1	0	25-JAN-94	8270	330	U	330	F
Hexachlorocyclopentadiene	SNL0093728	LWDS-BH-WC-1	0	29-MAR-94	8270	330	U	330	F
Hexachlorocyclopentadiene	SNL0093724	LWDS-BH-WC-2	0	29-MAR-94	8270	330	U	330	F
Hexachlorocyclopentadiene	SNL0093716	LWDS-BH-WC-3	0	29-MAR-94	8270	330	U	330	F
Hexachlorocyclopentadiene	SNL0093146	LWDS-DR-EX-1	0	25-JAN-94	8270	330	U	330	F
Hexachloroethane	SNL0093728	LWDS-BH-WC-1	0	29-MAR-94	8270	330	U	330	F
Hexachloroethane	SNL0093724	LWDS-BH-WC-2	0	29-MAR-94	8270	330	U	330	F
Hexachloroethane	SNL0093716	LWDS-BH-WC-3	0	29-MAR-94	8270	330	U	330	F
Hexachloroethane	SNL0093146	LWDS-DR-EX-1	0	25-JAN-94	8270	330	U	330	F
Hexanone, 2-	SNL0094154	LWDS-BH-EB	0	01-DEC-94	8240	10	U	10	FB
Hexanone, 2-	SNL0093729	LWDS-BH-WC-1	0	29-MAR-94	8240	9.6	BJ	10	TB
Hexanone, 2-	SNL0093725	LWDS-BH-WC-1	0	29-MAR-94	8240	10	U	10	F
Hexanone, 2-	SNL0093721	LWDS-BH-WC-2	0	29-MAR-94	8240	10	U	10	F
Hexanone, 2-	SNL0093713	LWDS-BH-WC-3	0	29-MAR-94	8240	10	U	10	F
Hexanone, 2-	SNL0093147	LWDS-DR-EX-1	0	25-JAN-94	8240	72		10	TB
Hexanone, 2-	SNL0093139	LWDS-DR-EX-1	0	25-JAN-94	8240	10	U	10	F
Indeno(1,2,3-c,d)pyrene	SNL0093728	LWDS-BH-WC-1	0	29-MAR-94	8270	330	U	330	F
Indeno(1,2,3-c,d)pyrene	SNL0093724	LWDS-BH-WC-2	0	29-MAR-94	8270	330	U	330	F
Indeno(1,2,3-c,d)pyrene	SNL0093716	LWDS-BH-WC-3	0	29-MAR-94	8270	330	U	330	F
Indeno(1,2,3-c,d)pyrene	SNL0093146	LWDS-DR-EX-1	0	25-JAN-94	8270	330	U	330	F
Isophorone	SNL0093728	LWDS-BH-WC-1	0	29-MAR-94	8270	330	U	330	F
Isophorone	SNL0093724	LWDS-BH-WC-2	0	29-MAR-94	8270	330	U	330	F
Isophorone	SNL0093716	LWDS-BH-WC-3	0	29-MAR-94	8270	330	U	330	F
Isophorone	SNL0093146	LWDS-DR-EX-1	0	25-JAN-94	8270	330	U	330	F
Methylnaphthalene, 2-	SNL0093728	LWDS-BH-WC-1	0	29-MAR-94	8270	330	U	330	F
Methylnaphthalene, 2-	SNL0093724	LWDS-BH-WC-2	0	29-MAR-94	8270	330	U	330	F
Methylnaphthalene, 2-	SNL0093716	LWDS-BH-WC-3	0	29-MAR-94	8270	330	U	330	F
Methylnaphthalene, 2-	SNL0093146	LWDS-DR-EX-1	0	25-JAN-94	8270	330	U	330	F
Methylphenol, 2-	SNL0093728	LWDS-BH-WC-1	0	29-MAR-94	8270	330	U	330	F
Methylphenol, 2-	SNL0093724	LWDS-BH-WC-2	0	29-MAR-94	8270	330	U	330	F
Methylphenol, 2-	SNL0093716	LWDS-BH-WC-3	0	29-MAR-94	8270	330	U	330	F
Methylphenol, 2-	SNL0093146	LWDS-DR-EX-1	0	25-JAN-94	8270	330	U	330	F
Methylphenol, 4-	SNL0093728	LWDS-BH-WC-1	0	29-MAR-94	8270	330	U	330	F
Methylphenol, 4-	SNL0093724	LWDS-BH-WC-2	0	29-MAR-94	8270	330	U	330	F
Methylphenol, 4-	SNL0093716	LWDS-BH-WC-3	0	29-MAR-94	8270	330	U	330	F
Methylphenol, 4-	SNL0093146	LWDS-DR-EX-1	0	25-JAN-94	8270	330	U	330	F
Naphthalene	SNL0093728	LWDS-BH-WC-1	0	29-MAR-94	8270	330	U	330	F
Naphthalene	SNL0093724	LWDS-BH-WC-2	0	29-MAR-94	8270	330	U	330	F
Naphthalene	SNL0093716	LWDS-BH-WC-3	0	29-MAR-94	8270	330	U	330	F
Naphthalene	SNL0093146	LWDS-DR-EX-1	0	25-JAN-94	8270	330	U	330	F
Nitro-benzene	SNL0093728	LWDS-BH-WC-1	0	29-MAR-94	8270	330	U	330	F
Nitro-benzene	SNL0093724	LWDS-BH-WC-2	0	29-MAR-94	8270	330	U	330	F
Nitro-benzene	SNL0093716	LWDS-BH-WC-3	0	29-MAR-94	8270	330	U	330	F
Nitro-benzene	SNL0093146	LWDS-DR-EX-1	0	25-JAN-94	8270	330	U	330	F
Nitroaniline, 2-	SNL0093728	LWDS-BH-WC-1	0	29-MAR-94	8270	1600	U	1600	F
Nitroaniline, 2-	SNL0093724	LWDS-BH-WC-2	0	29-MAR-94	8270	1600	U	1600	F

Table A-11. Organics analyses of soil samples from the LWDS background study.

Analyte	Sample Number	Sample Location	Sample Depth (Ft)	Sample Date	Analytical Method	Amount Detected (ug/kg)	Qualifier	Method Detection Limit	Sample Type
Nitroaniline, 2-	SNL0093716	LWDS-BH-WC-3	0	29-MAR-94	8270	1600	U	1600	F
Nitroaniline, 2-	SNL0093146	LWDS-DR-EX-1	0	25-JAN-94	8270	1600	U	1600	F
Nitroaniline, 3-	SNL0093728	LWDS-BH-WC-1	0	29-MAR-94	8270	1600	U	1600	F
Nitroaniline, 3-	SNL0093724	LWDS-BH-WC-2	0	29-MAR-94	8270	1600	U	1600	F
Nitroaniline, 3-	SNL0093716	LWDS-BH-WC-3	0	29-MAR-94	8270	1600	U	1600	F
Nitroaniline, 3-	SNL0093146	LWDS-DR-EX-1	0	25-JAN-94	8270	1600	U	1600	F
Nitroaniline, 4-	SNL0093728	LWDS-BH-WC-1	0	29-MAR-94	8270	1600	U	1600	F
Nitroaniline, 4-	SNL0093724	LWDS-BH-WC-2	0	29-MAR-94	8270	1600	U	1600	F
Nitroaniline, 4-	SNL0093716	LWDS-BH-WC-3	0	29-MAR-94	8270	1600	U	1600	F
Nitroaniline, 4-	SNL0093146	LWDS-DR-EX-1	0	25-JAN-94	8270	1600	U	1600	F
Nitrophenol, 2-	SNL0093728	LWDS-BH-WC-1	0	29-MAR-94	8270	330	U	330	F
Nitrophenol, 2-	SNL0093724	LWDS-BH-WC-2	0	29-MAR-94	8270	330	U	330	F
Nitrophenol, 2-	SNL0093716	LWDS-BH-WC-3	0	29-MAR-94	8270	330	U	330	F
Nitrophenol, 2-	SNL0093146	LWDS-DR-EX-1	0	25-JAN-94	8270	330	U	330	F
Nitrophenol, 4-	SNL0093728	LWDS-BH-WC-1	0	29-MAR-94	8270	1600	U	1600	F
Nitrophenol, 4-	SNL0093724	LWDS-BH-WC-2	0	29-MAR-94	8270	1600	U	1600	F
Nitrophenol, 4-	SNL0093716	LWDS-BH-WC-3	0	29-MAR-94	8270	1600	U	1600	F
Nitrophenol, 4-	SNL0093146	LWDS-DR-EX-1	0	25-JAN-94	8270	1600	U	1600	F
Nitrosodiphenylamine, n-	SNL0093728	LWDS-BH-WC-1	0	29-MAR-94	8270	330	U	330	F
Nitrosodiphenylamine, n-	SNL0093724	LWDS-BH-WC-2	0	29-MAR-94	8270	330	U	330	F
Nitrosodiphenylamine, n-	SNL0093716	LWDS-BH-WC-3	0	29-MAR-94	8270	330	U	330	F
Nitrosodiphenylamine, n-	SNL0093146	LWDS-DR-EX-1	0	25-JAN-94	8270	330	U	330	F
Nitrosodipropylamine, n-	SNL0093728	LWDS-BH-WC-1	0	29-MAR-94	8270	330	U	330	F
Nitrosodipropylamine, n-	SNL0093724	LWDS-BH-WC-2	0	29-MAR-94	8270	330	U	330	F
Nitrosodipropylamine, n-	SNL0093716	LWDS-BH-WC-3	0	29-MAR-94	8270	330	U	330	F
Nitrosodipropylamine, n-	SNL0093146	LWDS-DR-EX-1	0	25-JAN-94	8270	330	U	330	F
Pentachlorophenol	SNL0093728	LWDS-BH-WC-1	0	29-MAR-94	8270	1600	U	1600	F
Pentachlorophenol	SNL0093724	LWDS-BH-WC-2	0	29-MAR-94	8270	1600	U	1600	F
Pentachlorophenol	SNL0093716	LWDS-BH-WC-3	0	29-MAR-94	8270	1600	U	1600	F
Pentachlorophenol	SNL0093146	LWDS-DR-EX-1	0	25-JAN-94	8270	1600	U	1600	F
Pentanone, 4-methyl-, 2-	SNL0094154	LWDS-BH-EB	0	01-DEC-94	8240	10	U	10	FB
Pentanone, 4-methyl-, 2-	SNL0093729	LWDS-BH-WC-1	0	29-MAR-94	8240	10	U	10	TB
Pentanone, 4-methyl-, 2-	SNL0093725	LWDS-BH-WC-1	0	29-MAR-94	8240	10	U	10	F
Pentanone, 4-methyl-, 2-	SNL0093721	LWDS-BH-WC-2	0	29-MAR-94	8240	10	U	10	F
Pentanone, 4-methyl-, 2-	SNL0093713	LWDS-BH-WC-3	0	29-MAR-94	8240	10	U	10	F
Pentanone, 4-methyl-, 2-	SNL0093147	LWDS-DR-EX-1	0	25-JAN-94	8240	14		10	TB
Pentanone, 4-methyl-, 2-	SNL0093139	LWDS-DR-EX-1	0	25-JAN-94	8240	10	U	10	F
Phenanthrene	SNL0093728	LWDS-BH-WC-1	0	29-MAR-94	8270	86	J	330	F
Phenanthrene	SNL0093724	LWDS-BH-WC-2	0	29-MAR-94	8270	330	U	330	F
Phenanthrene	SNL0093716	LWDS-BH-WC-3	0	29-MAR-94	8270	330	U	330	F
Phenanthrene	SNL0093146	LWDS-DR-EX-1	0	25-JAN-94	8270	330	U	330	F
Phenol	SNL0093728	LWDS-BH-WC-1	0	29-MAR-94	8270	330	U	330	F
Phenol	SNL0093724	LWDS-BH-WC-2	0	29-MAR-94	8270	330	U	330	F
Phenol	SNL0093716	LWDS-BH-WC-3	0	29-MAR-94	8270	330	U	330	F
Phenol	SNL0093146	LWDS-DR-EX-1	0	25-JAN-94	8270	330	U	330	F
Pyrene	SNL0093728	LWDS-BH-WC-1	0	29-MAR-94	8270	71	J	330	F
Pyrene	SNL0093724	LWDS-BH-WC-2	0	29-MAR-94	8270	330	U	330	F
Pyrene	SNL0093716	LWDS-BH-WC-3	0	29-MAR-94	8270	330	U	330	F
Pyrene	SNL0093146	LWDS-DR-EX-1	0	25-JAN-94	8270	330	U	330	F
Styrene	SNL0094154	LWDS-BH-EB	0	01-DEC-94	8240	5	U	5	FB
Styrene	SNL0093729	LWDS-BH-WC-1	0	29-MAR-94	8240	5	U	5	TB
Styrene	SNL0093725	LWDS-BH-WC-1	0	29-MAR-94	8240	5	U	5	F
Styrene	SNL0093721	LWDS-BH-WC-2	0	29-MAR-94	8240	5	U	5	F
Styrene	SNL0093713	LWDS-BH-WC-3	0	29-MAR-94	8240	5	U	5	F
Styrene	SNL0093147	LWDS-DR-EX-1	0	25-JAN-94	8240	5	U	5	TB
Styrene	SNL0093139	LWDS-DR-EX-1	0	25-JAN-94	8240	5	U	5	F
Tetrachloroethane, 1,1,2,2-	SNL0094154	LWDS-BH-EB	0	01-DEC-94	8240	5	U	5	FB
Tetrachloroethane, 1,1,2,2-	SNL0093729	LWDS-BH-WC-1	0	29-MAR-94	8240	2.2	BJ	5	TB
Tetrachloroethane, 1,1,2,2-	SNL0093725	LWDS-BH-WC-1	0	29-MAR-94	8240	5	U	5	F
Tetrachloroethane, 1,1,2,2-	SNL0093721	LWDS-BH-WC-2	0	29-MAR-94	8240	5	U	5	F
Tetrachloroethane, 1,1,2,2-	SNL0093713	LWDS-BH-WC-3	0	29-MAR-94	8240	5	U	5	F
Tetrachloroethane, 1,1,2,2-	SNL0093139	LWDS-DR-EX-1	0	25-JAN-94	8240	5	U	5	F
Tetrachloroethane, 1,1,2,2-	SNL0093147	LWDS-DR-EX-1	0	25-JAN-94	8240	5	U	5	TB
Tetrachloroethene	SNL0094154	LWDS-BH-EB	0	01-DEC-94	8240	5	U	5	FB
Tetrachloroethene	SNL0093725	LWDS-BH-WC-1	0	29-MAR-94	8240	5	U	5	F
Tetrachloroethene	SNL0093729	LWDS-BH-WC-1	0	29-MAR-94	8240	5	U	5	TB
Tetrachloroethene	SNL0093721	LWDS-BH-WC-2	0	29-MAR-94	8240	5	U	5	F
Tetrachloroethene	SNL0093713	LWDS-BH-WC-3	0	29-MAR-94	8240	5	U	5	F
Tetrachloroethene	SNL0093139	LWDS-DR-EX-1	0	25-JAN-94	8240	5	U	5	F
Tetrachloroethene	SNL0093147	LWDS-DR-EX-1	0	25-JAN-94	8240	5	U	5	TB
Toluene	SNL0094154	LWDS-BH-EB	0	01-DEC-94	8240	1.8	J	5	FB
Toluene	SNL0093729	LWDS-BH-WC-1	0	29-MAR-94	8240	5	U	5	TB
Toluene	SNL0093725	LWDS-BH-WC-1	0	29-MAR-94	8240	5	U	5	F
Toluene	SNL0093721	LWDS-BH-WC-2	0	29-MAR-94	8240	2.6	J	5	F

Table A-11. Organics analyses of soil samples from the LWDS background study.

Analyte	Sample Number	Sample Location	Sample Depth (Ft)	Sample Date	Analytical Method	Amount Detected (ug/kg)	Qualifier	Method Detection Limit	Sample Type
Toluene	SNL0093713	LWDS-BH-WC-3	0	29-MAR-94	8240	4.4	J	5	F
Toluene	SNL0093139	LWDS-DR-EX-1	0	25-JAN-94	8240	5	U	5	F
Toluene	SNL0093147	LWDS-DR-EX-1	0	25-JAN-94	8240	12		5	TB
Trichlorobenzene, 1,2,4-	SNL0093728	LWDS-BH-WC-1	0	29-MAR-94	8270	330	U	330	F
Trichlorobenzene, 1,2,4-	SNL0093724	LWDS-BH-WC-2	0	29-MAR-94	8270	330	U	330	F
Trichlorobenzene, 1,2,4-	SNL0093716	LWDS-BH-WC-3	0	29-MAR-94	8270	330	U	330	F
Trichlorobenzene, 1,2,4-	SNL0093146	LWDS-DR-EX-1	0	25-JAN-94	8270	330	U	330	F
Trichloroethane, 1,1,1-	SNL0094154	LWDS-BH-EB	0	01-DEC-94	8240	5	U	5	FB
Trichloroethane, 1,1,1-	SNL0093729	LWDS-BH-WC-1	0	29-MAR-94	8240	5	U	5	TB
Trichloroethane, 1,1,1-	SNL0093725	LWDS-BH-WC-1	0	29-MAR-94	8240	5	U	5	F
Trichloroethane, 1,1,1-	SNL0093721	LWDS-BH-WC-2	0	29-MAR-94	8240	5	U	5	F
Trichloroethane, 1,1,1-	SNL0093713	LWDS-BH-WC-3	0	29-MAR-94	8240	5	U	5	F
Trichloroethane, 1,1,1-	SNL0093147	LWDS-DR-EX-1	0	25-JAN-94	8240	5	U	5	TB
Trichloroethane, 1,1,1-	SNL0093139	LWDS-DR-EX-1	0	25-JAN-94	8240	5	U	5	F
Trichloroethane, 1,1,2-	SNL0094154	LWDS-BH-EB	0	01-DEC-94	8240	5	U	5	FB
Trichloroethane, 1,1,2-	SNL0093729	LWDS-BH-WC-1	0	29-MAR-94	8240	5	U	5	TB
Trichloroethane, 1,1,2-	SNL0093725	LWDS-BH-WC-1	0	29-MAR-94	8240	5	U	5	F
Trichloroethane, 1,1,2-	SNL0093721	LWDS-BH-WC-2	0	29-MAR-94	8240	5	U	5	F
Trichloroethane, 1,1,2-	SNL0093713	LWDS-BH-WC-3	0	29-MAR-94	8240	5	U	5	F
Trichloroethane, 1,1,2-	SNL0093147	LWDS-DR-EX-1	0	25-JAN-94	8240	5	U	5	TB
Trichloroethane, 1,1,2-	SNL0093139	LWDS-DR-EX-1	0	25-JAN-94	8240	5	U	5	F
Trichloroethene	SNL0094154	LWDS-BH-EB	0	01-DEC-94	8240	5	U	5	FB
Trichloroethene	SNL0093725	LWDS-BH-WC-1	0	29-MAR-94	8240	5	U	5	F
Trichloroethene	SNL0093729	LWDS-BH-WC-1	0	29-MAR-94	8240	5	U	5	TB
Trichloroethene	SNL0093721	LWDS-BH-WC-2	0	29-MAR-94	8240	5	U	5	F
Trichloroethene	SNL0093713	LWDS-BH-WC-3	0	29-MAR-94	8240	5	U	5	F
Trichloroethene	SNL0093147	LWDS-DR-EX-1	0	25-JAN-94	8240	5	U	5	TB
Trichloroethene	SNL0093139	LWDS-DR-EX-1	0	25-JAN-94	8240	5	U	5	F
Trichlorophenol, 2,4,5-	SNL0093728	LWDS-BH-WC-1	0	29-MAR-94	8270	1600	U	1600	F
Trichlorophenol, 2,4,5-	SNL0093724	LWDS-BH-WC-2	0	29-MAR-94	8270	1600	U	1600	F
Trichlorophenol, 2,4,5-	SNL0093716	LWDS-BH-WC-3	0	29-MAR-94	8270	1600	U	1600	F
Trichlorophenol, 2,4,5-	SNL0093146	LWDS-DR-EX-1	0	25-JAN-94	8270	1600	U	1600	F
Trichlorophenol, 2,4,6-	SNL0093728	LWDS-BH-WC-1	0	29-MAR-94	8270	330	U	330	F
Trichlorophenol, 2,4,6-	SNL0093724	LWDS-BH-WC-2	0	29-MAR-94	8270	330	U	330	F
Trichlorophenol, 2,4,6-	SNL0093716	LWDS-BH-WC-3	0	29-MAR-94	8270	330	U	330	F
Trichlorophenol, 2,4,6-	SNL0093146	LWDS-DR-EX-1	0	25-JAN-94	8270	330	U	330	F
Vinyl acetate	SNL0094154	LWDS-BH-EB	0	01-DEC-94	8240	10	U	10	FB
Vinyl acetate	SNL0093729	LWDS-BH-WC-1	0	29-MAR-94	8240	10	U	10	TB
Vinyl acetate	SNL0093725	LWDS-BH-WC-1	0	29-MAR-94	8240	10	U	10	F
Vinyl acetate	SNL0093721	LWDS-BH-WC-2	0	29-MAR-94	8240	10	U	10	F
Vinyl acetate	SNL0093713	LWDS-BH-WC-3	0	29-MAR-94	8240	10	U	10	F
Vinyl acetate	SNL0093147	LWDS-DR-EX-1	0	25-JAN-94	8240	10	U	10	TB
Vinyl acetate	SNL0093139	LWDS-DR-EX-1	0	25-JAN-94	8240	10	U	10	F
Vinyl chloride	SNL0094154	LWDS-BH-EB	0	01-DEC-94	8240	10	U	10	FB
Vinyl chloride	SNL0093729	LWDS-BH-WC-1	0	29-MAR-94	8240	10	U	10	TB
Vinyl chloride	SNL0093725	LWDS-BH-WC-1	0	29-MAR-94	8240	10	U	10	F
Vinyl chloride	SNL0093721	LWDS-BH-WC-2	0	29-MAR-94	8240	10	U	10	F
Vinyl chloride	SNL0093713	LWDS-BH-WC-3	0	29-MAR-94	8240	10	U	10	F
Vinyl chloride	SNL0093147	LWDS-DR-EX-1	0	25-JAN-94	8240	10	U	10	TB
Vinyl chloride	SNL0093139	LWDS-DR-EX-1	0	25-JAN-94	8240	10	U	10	F
Xylenes, total	SNL0094154	LWDS-BH-EB	0	01-DEC-94	8240	1.9	J	5	FB
Xylenes, total	SNL0093729	LWDS-BH-WC-1	0	29-MAR-94	8240	5	U	5	TB
Xylenes, total	SNL0093725	LWDS-BH-WC-1	0	29-MAR-94	8240	5	U	5	F
Xylenes, total	SNL0093721	LWDS-BH-WC-2	0	29-MAR-94	8240	5	U	5	F
Xylenes, total	SNL0093713	LWDS-BH-WC-3	0	29-MAR-94	8240	5	U	5	F
Xylenes, total	SNL0093147	LWDS-DR-EX-1	0	25-JAN-94	8240	17		5	TB
Xylenes, total	SNL0093139	LWDS-DR-EX-1	0	25-JAN-94	8240	5	U	5	F
2,4-Dinitrotoluene	SNL0094129	LWDS-BH-EB	0	01-DEC-94	8270	10	U	10	EB
Acenaphthene	SNL0094129	LWDS-BH-EB	0	01-DEC-94	8270	10	U	10	EB
Acenaphthylene	SNL0094129	LWDS-BH-EB	0	01-DEC-94	8270	10	U	10	EB
Acetone	SNL0094125	LWDS-BH-EB	0	01-DEC-94	8240	8.3	J	10	EB
Acetone	SNL0094167	LWDS-BH-TB	0	01-DEC-94	8240	6.3	J	10	TB
Anthracene	SNL0094129	LWDS-BH-EB	0	01-DEC-94	8270	10	U	10	EB
Aroclor 1016	SNL0094126	LWDS-BH-EB	0	01-DEC-94	8080	1	U	1	EB
Aroclor 1221	SNL0094126	LWDS-BH-EB	0	01-DEC-94	8080	1	U	1	EB
Aroclor 1232	SNL0094126	LWDS-BH-EB	0	01-DEC-94	8080	1	U	1	EB
Aroclor 1242	SNL0094126	LWDS-BH-EB	0	01-DEC-94	8080	1	U	1	EB
Aroclor 1248	SNL0094126	LWDS-BH-EB	0	01-DEC-94	8080	1	U	1	EB
Aroclor 1254	SNL0094126	LWDS-BH-EB	0	01-DEC-94	8080	1	U	1	EB
Aroclor 1260	SNL0094126	LWDS-BH-EB	0	01-DEC-94	8080	1	U	1	EB
Benzene	SNL0094125	LWDS-BH-EB	0	01-DEC-94	8240	5	U	5	EB
Benzene	SNL0094167	LWDS-BH-TB	0	01-DEC-94	8240	5	U	5	TB
Benzo(a)anthracene	SNL0094129	LWDS-BH-EB	0	01-DEC-94	8270	10	U	10	EB
Benzo(a)pyrene	SNL0094129	LWDS-BH-EB	0	01-DEC-94	8270	10	U	10	EB

Table A-11. Organics analyses of soil samples from the LWDS background study.

Analyte	Sample Number	Sample Location	Sample Depth (Ft)	Sample Date	Analytical Method	Amount Detected (ug/kg)	Qualifier	Method Detection Limit	Sample Type
Benzo(b)fluoranthene	SNL0094129	LWDS-BH-EB	0	01-DEC-94	8270	10	U	10	EB
Benzo(ghi)perylene	SNL0094129	LWDS-BH-EB	0	01-DEC-94	8270	10	U	10	EB
Benzo(k)fluoranthene	SNL0094129	LWDS-BH-EB	0	01-DEC-94	8270	10	U	10	EB
Benzoic acid	SNL0094129	LWDS-BH-EB	0	01-DEC-94	8270	50	U	50	EB
Benzyl alcohol	SNL0094129	LWDS-BH-EB	0	01-DEC-94	8270	10	U	10	EB
Bromodichloromethane	SNL0094125	LWDS-BH-EB	0	01-DEC-94	8240	5	U	5	EB
Bromodichloromethane	SNL0094167	LWDS-BH-TB	0	01-DEC-94	8240	5	U	5	TB
Bromoform	SNL0094125	LWDS-BH-EB	0	01-DEC-94	8240	5	U	5	EB
Bromoform	SNL0094167	LWDS-BH-TB	0	01-DEC-94	8240	5	U	5	TB
Bromomethane	SNL0094125	LWDS-BH-EB	0	01-DEC-94	8240	10	U	10	EB
Bromomethane	SNL0094167	LWDS-BH-TB	0	01-DEC-94	8240	10	U	10	TB
Bromophenyl phenyl ether, 4-	SNL0094129	LWDS-BH-EB	0	01-DEC-94	8270	10	U	10	EB
Butanone, 2-	SNL0094125	LWDS-BH-EB	0	01-DEC-94	8240	10	U	10	EB
Butanone, 2-	SNL0094167	LWDS-BH-TB	0	01-DEC-94	8240	10	U	10	TB
Butylbenzyl phthalate	SNL0094129	LWDS-BH-EB	0	01-DEC-94	8270	10	U	10	EB
Carbazole	SNL0094129	LWDS-BH-EB	0	01-DEC-94	8270	10	U	10	EB
Carbon disulfide	SNL0094125	LWDS-BH-EB	0	01-DEC-94	8240	5	U	5	EB
Carbon disulfide	SNL0094167	LWDS-BH-TB	0	01-DEC-94	8240	5	U	5	TB
Carbon tetrachloride	SNL0094125	LWDS-BH-EB	0	01-DEC-94	8240	5	U	5	EB
Carbon tetrachloride	SNL0094167	LWDS-BH-TB	0	01-DEC-94	8240	5	U	5	TB
Chloro-3-methylphenol, 4-	SNL0094129	LWDS-BH-EB	0	01-DEC-94	8270	10	U	10	EB
Chloroaniline, 4-	SNL0094129	LWDS-BH-EB	0	01-DEC-94	8270	10	U	10	EB
Chlorobenzene	SNL0094125	LWDS-BH-EB	0	01-DEC-94	8240	5	U	5	EB
Chlorobenzene	SNL0094167	LWDS-BH-TB	0	01-DEC-94	8240	5	U	5	TB
Chloroethane	SNL0094125	LWDS-BH-EB	0	01-DEC-94	8240	10	U	10	EB
Chloroethane	SNL0094167	LWDS-BH-TB	0	01-DEC-94	8240	10	U	10	TB
Chloroethoxy)methane, bis(2-	SNL0094129	LWDS-BH-EB	0	01-DEC-94	8270	10	U	10	EB
Chloroethyl)ether, bis(2-	SNL0094129	LWDS-BH-EB	0	01-DEC-94	8270	10	U	10	EB
Chloroform	SNL0094125	LWDS-BH-EB	0	01-DEC-94	8240	5	U	5	EB
Chloroform	SNL0094167	LWDS-BH-TB	0	01-DEC-94	8240	5	U	5	TB
Chloromethane	SNL0094125	LWDS-BH-EB	0	01-DEC-94	8240	10	U	10	EB
Chloromethane	SNL0094167	LWDS-BH-TB	0	01-DEC-94	8240	10	U	10	TB
Chloronaphthalene, 2-	SNL0094129	LWDS-BH-EB	0	01-DEC-94	8270	10	U	10	EB
Chlorophenol, 2-	SNL0094129	LWDS-BH-EB	0	01-DEC-94	8270	10	U	10	EB
Chlorophenyl phenyl ether, 4-	SNL0094129	LWDS-BH-EB	0	01-DEC-94	8270	10	U	10	EB
Chloropropane), 2,2'-oxybis(1-	SNL0094129	LWDS-BH-EB	0	01-DEC-94	8270	10	U	10	EB
Chrysene	SNL0094129	LWDS-BH-EB	0	01-DEC-94	8270	10	U	10	EB
Di-n-butyl phthalate	SNL0094129	LWDS-BH-EB	0	01-DEC-94	8270	10	U	10	EB
Di-n-octyl phthalate	SNL0094129	LWDS-BH-EB	0	01-DEC-94	8270	10	U	10	EB
Dibenz[a,h]anthracene	SNL0094129	LWDS-BH-EB	0	01-DEC-94	8270	10	U	10	EB
Dibenzofuran	SNL0094129	LWDS-BH-EB	0	01-DEC-94	8270	10	U	10	EB
Dibromochloromethane	SNL0094125	LWDS-BH-EB	0	01-DEC-94	8240	5	U	5	EB
Dibromochloromethane	SNL0094167	LWDS-BH-TB	0	01-DEC-94	8240	5	U	5	TB
Dichlorobenzene, 1,2-	SNL0094129	LWDS-BH-EB	0	01-DEC-94	8270	10	U	10	EB
Dichlorobenzene, 1,3-	SNL0094129	LWDS-BH-EB	0	01-DEC-94	8270	10	U	10	EB
Dichlorobenzene, 1,4-	SNL0094129	LWDS-BH-EB	0	01-DEC-94	8270	10	U	10	EB
Dichlorobenzidine, 3,3'-	SNL0094129	LWDS-BH-EB	0	01-DEC-94	8270	20	U	20	EB
Dichloroethane, 1,1-	SNL0094125	LWDS-BH-EB	0	01-DEC-94	8240	5	U	5	EB
Dichloroethane, 1,1-	SNL0094167	LWDS-BH-TB	0	01-DEC-94	8240	5	U	5	TB
Dichloroethane, 1,2-	SNL0094125	LWDS-BH-EB	0	01-DEC-94	8240	5	U	5	EB
Dichloroethane, 1,2-	SNL0094167	LWDS-BH-TB	0	01-DEC-94	8240	5	U	5	TB
Dichloroethene, 1,1-	SNL0094125	LWDS-BH-EB	0	01-DEC-94	8240	5	U	5	EB
Dichloroethene, 1,1-	SNL0094167	LWDS-BH-TB	0	01-DEC-94	8240	5	U	5	TB
Dichloroethene, 1,2-	SNL0094125	LWDS-BH-EB	0	01-DEC-94	8240	5	U	5	EB
Dichloroethene, 1,2-	SNL0094167	LWDS-BH-TB	0	01-DEC-94	8240	5	U	5	TB
Dichloromethane-methylene chloride	SNL0094125	LWDS-BH-EB	0	01-DEC-94	8240	2.7	BJ	5	EB
Dichloromethane-methylene chloride	SNL0094167	LWDS-BH-TB	0	01-DEC-94	8240	8	B	5	TB
Dichloropropane, 1,2-	SNL0094125	LWDS-BH-EB	0	01-DEC-94	8240	5	U	5	EB
Dichloropropane, 1,2-	SNL0094167	LWDS-BH-TB	0	01-DEC-94	8240	5	U	5	TB
Dichloropropene, cis-1,3-	SNL0094125	LWDS-BH-EB	0	01-DEC-94	8240	5	U	5	EB
Dichloropropene, cis-1,3-	SNL0094167	LWDS-BH-TB	0	01-DEC-94	8240	5	U	5	TB
Dichloropropene, trans-1,3-	SNL0094125	LWDS-BH-EB	0	01-DEC-94	8240	5	U	5	EB
Dichloropropene, trans-1,3-	SNL0094167	LWDS-BH-TB	0	01-DEC-94	8240	5	U	5	TB
Dichlorphenol, 2,4-	SNL0094129	LWDS-BH-EB	0	01-DEC-94	8270	10	U	10	EB
Diethylphthalate	SNL0094129	LWDS-BH-EB	0	01-DEC-94	8270	10	U	10	EB
Dimethylphenol, 2,4-	SNL0094129	LWDS-BH-EB	0	01-DEC-94	8270	10	U	10	EB
Dimethylphthalate	SNL0094129	LWDS-BH-EB	0	01-DEC-94	8270	10	U	10	EB
Dinitro-o-cresol, 4,6-	SNL0094129	LWDS-BH-EB	0	01-DEC-94	8270	50	U	50	EB
Dinitrophenol, 2,4-	SNL0094129	LWDS-BH-EB	0	01-DEC-94	8270	50	U	50	EB
Dinitrotoluene, 2,6-	SNL0094129	LWDS-BH-EB	0	01-DEC-94	8270	10	U	10	EB
Ethyl benzene	SNL0094125	LWDS-BH-EB	0	01-DEC-94	8240	5	U	5	EB
Ethyl benzene	SNL0094167	LWDS-BH-TB	0	01-DEC-94	8240	5	U	5	TB
Ethylhexyl)phthalate, bis(2-	SNL0094129	LWDS-BH-EB	0	01-DEC-94	8270	10	B	10	EB
Fluoranthene	SNL0094129	LWDS-BH-EB	0	01-DEC-94	8270	10	U	10	EB

Table A-11. Organics analyses of soil samples from the LWDS background study.

Analyte	Sample Number	Sample Location	Sample Depth (Ft)	Sample Date	Analytical Method	Amount Detected (ug/kg)	Qualifier	Method Detection Limit	Sample Type
Fluorene	SNL0094129	LWDS-BH-EB	0	01-DEC-94	8270	10	U	10	EB
Hexachlorobenzene	SNL0094129	LWDS-BH-EB	0	01-DEC-94	8270	10	U	10	EB
Hexachlorobutadiene	SNL0094129	LWDS-BH-EB	0	01-DEC-94	8270	10	U	10	EB
Hexachlorocyclopentadiene	SNL0094129	LWDS-BH-EB	0	01-DEC-94	8270	10	U	10	EB
Hexachloroethane	SNL0094129	LWDS-BH-EB	0	01-DEC-94	8270	10	U	10	EB
Hexanone, 2-	SNL0094125	LWDS-BH-EB	0	01-DEC-94	8240	10	U	10	EB
Hexanone, 2-	SNL0094167	LWDS-BH-TB	0	01-DEC-94	8240	10	U	10	TB
Indeno(1,2,3-c,d)pyrene	SNL0094129	LWDS-BH-EB	0	01-DEC-94	8270	10	U	10	EB
Isophorone	SNL0094129	LWDS-BH-EB	0	01-DEC-94	8270	10	U	10	EB
Methylnaphthalene, 2-	SNL0094129	LWDS-BH-EB	0	01-DEC-94	8270	10	U	10	EB
Methylphenol, 2-	SNL0094129	LWDS-BH-EB	0	01-DEC-94	8270	10	U	10	EB
Methylphenol, 4-	SNL0094129	LWDS-BH-EB	0	01-DEC-94	8270	10	U	10	EB
Naphthalene	SNL0094129	LWDS-BH-EB	0	01-DEC-94	8270	10	U	10	EB
Nitro-benzene	SNL0094129	LWDS-BH-EB	0	01-DEC-94	8270	10	U	10	EB
Nitroaniline, 2-	SNL0094129	LWDS-BH-EB	0	01-DEC-94	8270	50	U	50	EB
Nitroaniline, 3-	SNL0094129	LWDS-BH-EB	0	01-DEC-94	8270	50	U	50	EB
Nitroaniline, 4-	SNL0094129	LWDS-BH-EB	0	01-DEC-94	8270	50	U	50	EB
Nitrophenol, 2-	SNL0094129	LWDS-BH-EB	0	01-DEC-94	8270	10	U	10	EB
Nitrophenol, 4-	SNL0094129	LWDS-BH-EB	0	01-DEC-94	8270	50	U	50	EB
Nitrosodiphenylamine, n-	SNL0094129	LWDS-BH-EB	0	01-DEC-94	8270	10	U	10	EB
Nitrosodipropylamine, n-	SNL0094129	LWDS-BH-EB	0	01-DEC-94	8270	10	U	10	EB
Pentachlorophenol	SNL0094129	LWDS-BH-EB	0	01-DEC-94	8270	50	U	50	EB
Pentanone, 4-methyl-, 2-	SNL0094125	LWDS-BH-EB	0	01-DEC-94	8240	10	U	10	EB
Pentanone, 4-methyl-, 2-	SNL0094167	LWDS-BH-TB	0	01-DEC-94	8240	10	U	10	TB
Phenanthrene	SNL0094129	LWDS-BH-EB	0	01-DEC-94	8270	10	U	10	EB
Phenol	SNL0094129	LWDS-BH-EB	0	01-DEC-94	8270	10	U	10	EB
Pyrene	SNL0094129	LWDS-BH-EB	0	01-DEC-94	8270	10	U	10	EB
Styrene	SNL0094125	LWDS-BH-EB	0	01-DEC-94	8240	5	U	5	EB
Styrene	SNL0094167	LWDS-BH-TB	0	01-DEC-94	8240	5	U	5	TB
Tetrachloroethane, 1,1,2,2-	SNL0094125	LWDS-BH-EB	0	01-DEC-94	8240	5	U	5	EB
Tetrachloroethane, 1,1,2,2-	SNL0094167	LWDS-BH-TB	0	01-DEC-94	8240	5	U	5	TB
Tetrachloroethene	SNL0094125	LWDS-BH-EB	0	01-DEC-94	8240	5	U	5	EB
Tetrachloroethene	SNL0094167	LWDS-BH-TB	0	01-DEC-94	8240	5	U	5	TB
Toluene	SNL0094125	LWDS-BH-EB	0	01-DEC-94	8240	5	U	5	EB
Toluene	SNL0094167	LWDS-BH-TB	0	01-DEC-94	8240	5	U	5	TB
Trichlorobenzene, 1,2,4-	SNL0094129	LWDS-BH-EB	0	01-DEC-94	8270	10	U	10	EB
Trichloroethane, 1,1,1-	SNL0094125	LWDS-BH-EB	0	01-DEC-94	8240	5	U	5	EB
Trichloroethane, 1,1,1-	SNL0094167	LWDS-BH-TB	0	01-DEC-94	8240	5	U	5	TB
Trichloroethane, 1,1,2-	SNL0094125	LWDS-BH-EB	0	01-DEC-94	8240	5	U	5	EB
Trichloroethane, 1,1,2-	SNL0094167	LWDS-BH-TB	0	01-DEC-94	8240	5	U	5	TB
Trichloroethene	SNL0094125	LWDS-BH-EB	0	01-DEC-94	8240	5	U	5	EB
Trichloroethene	SNL0094167	LWDS-BH-TB	0	01-DEC-94	8240	5	U	5	TB
Trichlorophenol, 2,4,5-	SNL0094129	LWDS-BH-EB	0	01-DEC-94	8270	50	U	50	EB
Trichlorophenol, 2,4,6-	SNL0094129	LWDS-BH-EB	0	01-DEC-94	8270	10	U	10	EB
Vinyl acetate	SNL0094125	LWDS-BH-EB	0	01-DEC-94	8240	10	U	10	EB
Vinyl acetate	SNL0094167	LWDS-BH-TB	0	01-DEC-94	8240	10	U	10	TB
Vinyl chloride	SNL0094125	LWDS-BH-EB	0	01-DEC-94	8240	10	U	10	EB
Vinyl chloride	SNL0094167	LWDS-BH-TB	0	01-DEC-94	8240	10	U	10	TB
Xylenes, total	SNL0094125	LWDS-BH-EB	0	01-DEC-94	8240	5	U	5	EB
Xylenes, total	SNL0094167	LWDS-BH-TB	0	01-DEC-94	8240	5	U	5	TB

Table A-12. Radionuclide analyses of soil samples from the LWDS background study.

Analyte	Sample Number	Sample Location	Sample Depth (Ft)	Sample Date	Analytical Method	Activity (pCi/g)	Qualifier	Method Detection Limit	NMED Approved Background (pCi/g)	Sample Type
Actinium-228	SNL0093802	LWDS-DR-EX-1	0	25-JAN-94	GAMMA	0.87		0.21	NA	F
Bismuth-212	SNL0093802	LWDS-DR-EX-1	0	25-JAN-94	GAMMA	0.77		0.75	NA	F
Bismuth-214	SNL0093802	LWDS-DR-EX-1	0	25-JAN-94	GAMMA	0.68		0.15	NA	F
Cesium-137	SNL0093802	LWDS-DR-EX-1	0	25-JAN-94	GAMMA	0.049	B	0.072	0.664	F
Cobalt-60	SNL0093802	LWDS-DR-EX-1	0	25-JAN-94	GAMMA	0.042	U	0.042	NA	F
Lead-212	SNL0093802	LWDS-DR-EX-1	0	25-JAN-94	GAMMA	0.8		0.073	NA	F
Lead-214	SNL0093802	LWDS-DR-EX-1	0	25-JAN-94	GAMMA	0.77		0.13	NA	F
Potassium-40	SNL0093802	LWDS-DR-EX-1	0	25-JAN-94	GAMMA	15		0.57	NA	F
Radium-226	SNL0093802	LWDS-DR-EX-1	0	25-JAN-94	GAMMA	0.66		0.14	2.3	F
Radium-228	SNL0093802	LWDS-DR-EX-1	0	25-JAN-94	GAMMA	0.87		0.21	1.01	F
Thallium-208	SNL0093802	LWDS-DR-EX-1	0	25-JAN-94	GAMMA	0.75		0.17	NA	F
Thorium-228	SNL0093802	LWDS-DR-EX-1	0	25-JAN-94	GAMMA	0.81		0.18	NA	F
Thorium-232	SNL0093802	LWDS-DR-EX-1	0	25-JAN-94	GAMMA	0.87		0.21	1.01	F
Thorium-234	SNL0093802	LWDS-DR-EX-1	0	25-JAN-94	GAMMA	1.1		0.73	1.4	F
Tritium	SNL0093803	LWDS-DR-EX-1	0	25-JAN-94	EPA H-01	200	U	280	NA	F
Tritium	SNL0093992	LWDS-BH-WC-3	0	29-MAR-94	906.0	460		280	NA	F
Plutonium-238	SNL0093993	LWDS-BH-WC-3	0	29-MAR-94	7-79-081	-0.008	U	0.046	NA	F
Plutonium-239/240	SNL0093993	LWDS-BH-WC-3	0	29-MAR-94	7-79-081	-0.001	U	0.042	NA	F
Actinium-228	SNL0093994	LWDS-BH-WC-3	0	29-MAR-94	901.1	0.79		0.3	NA	F
Bismuth-214	SNL0093994	LWDS-BH-WC-3	0	29-MAR-94	901.1	0.59		0.16	NA	F
Cesium-137	SNL0093994	LWDS-BH-WC-3	0	29-MAR-94	901.1	0.034	U	0.079	0.664	F
Cobalt-60	SNL0093994	LWDS-BH-WC-3	0	29-MAR-94	901.1	0.053	U	0.053	NA	F
Lead-212	SNL0093994	LWDS-BH-WC-3	0	29-MAR-94	901.1	0.66		0.098	NA	F
Lead-214	SNL0093994	LWDS-BH-WC-3	0	29-MAR-94	901.1	0.62		0.18	NA	F
Potassium-40	SNL0093994	LWDS-BH-WC-3	0	29-MAR-94	901.1	14		0.81	NA	F
Radium-226	SNL0093994	LWDS-BH-WC-3	0	29-MAR-94	901.1	0.57		0.16	2.3	F
Radium-228	SNL0093994	LWDS-BH-WC-3	0	29-MAR-94	901.1	0.79		0.3	1.01	F
Thallium-208	SNL0093994	LWDS-BH-WC-3	0	29-MAR-94	901.1	0.73		0.2	NA	F
Thorium-228	SNL0093994	LWDS-BH-WC-3	0	29-MAR-94	901.1	0.78		0.21	NA	F
Thorium-232	SNL0093994	LWDS-BH-WC-3	0	29-MAR-94	901.1	0.79		0.3	1.01	F
Strontium-90	SNL0093995	LWDS-BH-WC-3	0	29-MAR-94	905.0	0.94		0.68	1.08	F
Uranium-233/234	SNL0093996	LWDS-BH-WC-3	0	29-MAR-94	HASL-300	0.68	B	0.024	NA	F
Uranium-235	SNL0093996	LWDS-BH-WC-3	0	29-MAR-94	HASL-300	0.027		0.02	0.16	F
Uranium-238	SNL0093996	LWDS-BH-WC-3	0	29-MAR-94	HASL-300	0.7	B	0.02	1.4	F
Thorium-230	SNL0093997	LWDS-BH-WC-3	0	29-MAR-94	LANL Vol	0.68		0.015	NA	F
Thorium-232	SNL0093997	LWDS-BH-WC-3	0	29-MAR-94	LANL Vol	0.53		0.05	1.01	F
Tritium	SNL0094004	LWDS-BH-WC-2	0	29-MAR-94	906.0	430		260	NA	F
Plutonium-238	SNL0094005	LWDS-BH-WC-2	0	29-MAR-94	7-79-081	-0.002	U	0.022	NA	F
Plutonium-239/240	SNL0094005	LWDS-BH-WC-2	0	29-MAR-94	7-79-081	0.008	U	0.011	NA	F
Actinium-228	SNL0094006	LWDS-BH-WC-2	0	29-MAR-94	901.1	0.82		0.35	NA	F
Bismuth-212	SNL0094006	LWDS-BH-WC-2	0	29-MAR-94	901.1	1.2		1	NA	F
Bismuth-214	SNL0094006	LWDS-BH-WC-2	0	29-MAR-94	901.1	0.71		0.16	NA	F
Cesium-137	SNL0094006	LWDS-BH-WC-2	0	29-MAR-94	901.1	0.14		0.084	0.664	F
Cobalt-60	SNL0094006	LWDS-BH-WC-2	0	29-MAR-94	901.1	0.21		0.16	NA	F
Lead-212	SNL0094006	LWDS-BH-WC-2	0	29-MAR-94	901.1	0.78		0.11	NA	F
Lead-214	SNL0094006	LWDS-BH-WC-2	0	29-MAR-94	901.1	0.75		0.18	NA	F
Potassium-40	SNL0094006	LWDS-BH-WC-2	0	29-MAR-94	901.1	15		0.81	NA	F
Radium-226	SNL0094006	LWDS-BH-WC-2	0	29-MAR-94	901.1	0.69		0.16	2.3	F
Radium-228	SNL0094006	LWDS-BH-WC-2	0	29-MAR-94	901.1	0.82		0.35	1.01	F
Thallium-208	SNL0094006	LWDS-BH-WC-2	0	29-MAR-94	901.1	0.82		0.22	NA	F
Thorium-228	SNL0094006	LWDS-BH-WC-2	0	29-MAR-94	901.1	0.89		0.24	NA	F
Thorium-232	SNL0094006	LWDS-BH-WC-2	0	29-MAR-94	901.1	0.82		0.35	1.01	F
Strontium-90	SNL0094007	LWDS-BH-WC-2	0	29-MAR-94	905.0	-0.64	U	1.3	1.08	F
Uranium-233/234	SNL0094008	LWDS-BH-WC-2	0	29-MAR-94	HASL-300	0.8	B	0.019	NA	F
Uranium-235	SNL0094008	LWDS-BH-WC-2	0	29-MAR-94	HASL-300	0.044		0.009	0.16	F
Uranium-238	SNL0094008	LWDS-BH-WC-2	0	29-MAR-94	HASL-300	0.68	B	0.009	1.4	F
Thorium-230	SNL0094009	LWDS-BH-WC-2	0	29-MAR-94	LANL Vol	0.66		0.039	NA	F
Thorium-232	SNL0094009	LWDS-BH-WC-2	0	29-MAR-94	LANL Vol	0.6		0.039	1.01	F
Tritium	SNL0094010	LWDS-BH-WC-4	0	29-MAR-94	906.0	320		250	NA	F
Plutonium-238	SNL0094011	LWDS-BH-WC-4	0	29-MAR-94	7-79-081	-0.003	U	0.025	NA	F
Plutonium-239/240	SNL0094011	LWDS-BH-WC-4	0	29-MAR-94	7-79-081	0	U	0.01	NA	F
Actinium-228	SNL0094012	LWDS-BH-WC-4	0	29-MAR-94	901.1	0.47		0.26	NA	F
Bismuth-214	SNL0094012	LWDS-BH-WC-4	0	29-MAR-94	901.1	0.5		0.1	NA	F
Cesium-137	SNL0094012	LWDS-BH-WC-4	0	29-MAR-94	901.1	0.045	U	0.045	0.664	F
Cobalt-60	SNL0094012	LWDS-BH-WC-4	0	29-MAR-94	901.1	0.049	U	0.049	NA	F
Lead-212	SNL0094012	LWDS-BH-WC-4	0	29-MAR-94	901.1	0.61		0.092	NA	F
Lead-214	SNL0094012	LWDS-BH-WC-4	0	29-MAR-94	901.1	0.57		0.15	NA	F

Table A-12. Radionuclide analyses of soil samples from the LWDS background study.

Analyte	Sample Number	Sample Location	Sample Depth (Ft)	Sample Date	Analytical Method	Activity (pCi/g)	Qualifier	Method Detection Limit	NMED Approved Background (pCi/g)	Sample Type
Potassium-40	SNL0094012	LWDS-BH-WC-4	0	29-MAR-94	901.1	14		0.59	NA	F
Radium-226	SNL0094012	LWDS-BH-WC-4	0	29-MAR-94	901.1	0.49		0.1	2.3	F
Radium-228	SNL0094012	LWDS-BH-WC-4	0	29-MAR-94	901.1	0.47		0.26	1.01	F
Thallium-208	SNL0094012	LWDS-BH-WC-4	0	29-MAR-94	901.1	0.61		0.17	NA	F
Thorium-228	SNL0094012	LWDS-BH-WC-4	0	29-MAR-94	901.1	0.65		0.18	NA	F
Thorium-232	SNL0094012	LWDS-BH-WC-4	0	29-MAR-94	901.1	0.47		0.26	1.01	F
Strontium-90	SNL0094013	LWDS-BH-WC-4	0	29-MAR-94	905.0	-0.39	U	0.69	1.08	F
Uranium-233/234	SNL0094014	LWDS-BH-WC-4	0	29-MAR-94	HASL-300	0.71	B	0.009	NA	F
Uranium-235	SNL0094014	LWDS-BH-WC-4	0	29-MAR-94	HASL-300	0.025		0.018	0.16	F
Uranium-238	SNL0094014	LWDS-BH-WC-4	0	29-MAR-94	HASL-300	0.67	B	0.022	1.4	F
Thorium-230	SNL0094015	LWDS-BH-WC-4	0	29-MAR-94	LANL Vol	0.59		0.01	NA	F
Thorium-232	SNL0094015	LWDS-BH-WC-4	0	29-MAR-94	LANL Vol	0.46		0.023	1.01	F
Tritium	SNL0094186	LWDS-BH-EB	0	01-DEC-94	906.0	230	U	360	NA	EB
Actinium-227	SNL0094189	LWDS-BH-EB	0	01-DEC-94	GAMMA	0.516	U	0.516	NA	EB
Actinium-228	SNL0094189	LWDS-BH-EB	0	01-DEC-94	GAMMA	0.0457	U	0.0457	NA	EB
Americium-241	SNL0094189	LWDS-BH-EB	0	01-DEC-94	GAMMA	0.07	U	0.07	NA	EB
Antimony-124	SNL0094189	LWDS-BH-EB	0	01-DEC-94	GAMMA	0.0119	U	0.0119	NA	EB
Antimony-125	SNL0094189	LWDS-BH-EB	0	01-DEC-94	GAMMA	0.0327	U	0.0327	NA	EB
Antimony-126	SNL0094189	LWDS-BH-EB	0	01-DEC-94	GAMMA	0.0102	U	0.0102	NA	EB
Barium-133	SNL0094189	LWDS-BH-EB	0	01-DEC-94	GAMMA	0.0142	U	0.0142	NA	EB
Barium-140	SNL0094189	LWDS-BH-EB	0	01-DEC-94	GAMMA	0.0388	U	0.0388	NA	EB
Beryllium-7	SNL0094189	LWDS-BH-EB	0	01-DEC-94	GAMMA	0.0845	U	0.0845	NA	EB
Bismuth-207	SNL0094189	LWDS-BH-EB	0	01-DEC-94	GAMMA	0.016	U	0.016	NA	EB
Bismuth-212	SNL0094189	LWDS-BH-EB	0	01-DEC-94	GAMMA	0.0896	U	0.0896	NA	EB
Bismuth-214	SNL0094189	LWDS-BH-EB	0	01-DEC-94	GAMMA	0.0306	U	0.0306	NA	EB
Cadmium-109	SNL0094189	LWDS-BH-EB	0	01-DEC-94	GAMMA	0.241	U	0.241	NA	EB
Cerium-139	SNL0094189	LWDS-BH-EB	0	01-DEC-94	GAMMA	0.00801	U	0.00801	NA	EB
Cerium-144	SNL0094189	LWDS-BH-EB	0	01-DEC-94	GAMMA	0.0666	U	0.0666	NA	EB
Cesium-134	SNL0094189	LWDS-BH-EB	0	01-DEC-94	GAMMA	0.0105	U	0.0105	NA	EB
Cesium-137	SNL0094189	LWDS-BH-EB	0	01-DEC-94	GAMMA	0.0113	U	0.0113	0.664	EB
Chromium-51	SNL0094189	LWDS-BH-EB	0	01-DEC-94	GAMMA	0.0945	U	0.0945	NA	EB
Cobalt-56	SNL0094189	LWDS-BH-EB	0	01-DEC-94	GAMMA	0.0209	U	0.0209	NA	EB
Cobalt-57	SNL0094189	LWDS-BH-EB	0	01-DEC-94	GAMMA	0.0089	U	0.0089	NA	EB
Cobalt-58	SNL0094189	LWDS-BH-EB	0	01-DEC-94	GAMMA	0.00811	U	0.00811	NA	EB
Cobalt-60	SNL0094189	LWDS-BH-EB	0	01-DEC-94	GAMMA	0.0122	U	0.0122	NA	EB
Copper-64	SNL0094189	LWDS-BH-EB	0	01-DEC-94	GAMMA	67.2	U	67.2	NA	EB
Europium-152	SNL0094189	LWDS-BH-EB	0	01-DEC-94	GAMMA	0.0269	U	0.0269	NA	EB
Europium-154	SNL0094189	LWDS-BH-EB	0	01-DEC-94	GAMMA	0.0415	U	0.0415	NA	EB
Europium-155	SNL0094189	LWDS-BH-EB	0	01-DEC-94	GAMMA	0.0435	U	0.0435	NA	EB
Gadolinium-153	SNL0094189	LWDS-BH-EB	0	01-DEC-94	GAMMA	0.0271	U	0.0271	NA	EB
Holmium-166	SNL0094189	LWDS-BH-EB	0	01-DEC-94	GAMMA	0.00915	U	0.00915	NA	EB
Iodine-125	SNL0094189	LWDS-BH-EB	0	01-DEC-94	GAMMA	0	U	1E+08	NA	EB
Iodine-129	SNL0094189	LWDS-BH-EB	0	01-DEC-94	GAMMA	0	U	1E+08	NA	EB
Iodine-131	SNL0094189	LWDS-BH-EB	0	01-DEC-94	GAMMA	0.0143	U	0.0143	NA	EB
Iridium-192	SNL0094189	LWDS-BH-EB	0	01-DEC-94	GAMMA	0.0105	U	0.0105	NA	EB
Iron-59	SNL0094189	LWDS-BH-EB	0	01-DEC-94	GAMMA	0.021	U	0.021	NA	EB
Lanthanum-140	SNL0094189	LWDS-BH-EB	0	01-DEC-94	GAMMA	0.0198	U	0.0198	NA	EB
Lead-210	SNL0094189	LWDS-BH-EB	0	01-DEC-94	GAMMA	0	U	1E+08	NA	EB
Lead-212	SNL0094189	LWDS-BH-EB	0	01-DEC-94	GAMMA	0.0219	U	0.0219	NA	EB
Lead-214	SNL0094189	LWDS-BH-EB	0	01-DEC-94	GAMMA	0.0299	U	0.0299	NA	EB
Manganese-54	SNL0094189	LWDS-BH-EB	0	01-DEC-94	GAMMA	0.0105	U	0.0105	NA	EB
Mercury-203	SNL0094189	LWDS-BH-EB	0	01-DEC-94	GAMMA	0.0104	U	0.0104	NA	EB
Neptunium-237	SNL0094189	LWDS-BH-EB	0	01-DEC-94	GAMMA	0.0661	U	0.0661	NA	EB
Niobium-95	SNL0094189	LWDS-BH-EB	0	01-DEC-94	GAMMA	0.0461	U	0.0461	NA	EB
Plutonium-239	SNL0094189	LWDS-BH-EB	0	01-DEC-94	GAMMA	116	U	116	NA	EB
Potassium-40	SNL0094189	LWDS-BH-EB	0	01-DEC-94	GAMMA	0.184	U	0.184	NA	EB
Protactinium-231	SNL0094189	LWDS-BH-EB	0	01-DEC-94	GAMMA	0.304	U	0.304	NA	EB
Protactinium-233	SNL0094189	LWDS-BH-EB	0	01-DEC-94	GAMMA	0.0207	U	0.0207	NA	EB
Radium-224	SNL0094189	LWDS-BH-EB	0	01-DEC-94	GAMMA	0.212	U	0.212	NA	EB
Radium-226	SNL0094189	LWDS-BH-EB	0	01-DEC-94	GAMMA	0.232	U	0.232	2.3	EB
Radium-228	SNL0094189	LWDS-BH-EB	0	01-DEC-94	GAMMA	0.0506	U	0.0506	1.01	EB
Ruthenium-103	SNL0094189	LWDS-BH-EB	0	01-DEC-94	GAMMA	0.0109	U	0.0109	NA	EB
Ruthenium-106	SNL0094189	LWDS-BH-EB	0	01-DEC-94	GAMMA	0.0976	U	0.0976	NA	EB
Scandium-46	SNL0094189	LWDS-BH-EB	0	01-DEC-94	GAMMA	0.00816	U	0.00816	NA	EB
Silver-110	SNL0094189	LWDS-BH-EB	0	01-DEC-94	GAMMA	0.00959	U	0.00959	NA	EB
Sodium-22	SNL0094189	LWDS-BH-EB	0	01-DEC-94	GAMMA	0.011	U	0.011	NA	EB
Sodium-24	SNL0094189	LWDS-BH-EB	0	01-DEC-94	GAMMA	0.132	U	0.132	NA	EB

Table A-12. Radionuclide analyses of soil samples from the LWDS background study.

Analyte	Sample Number	Sample Location	Sample Depth (Ft)	Sample Date	Analytical Method	Activity (pCi/g)	Qualifier	Method Detection Limit	NMED Approved Background (pCi/g)	Sample Type
Strontium-85	SNL0094189	LWDS-BH-EB	0	01-DEC-94	GAMMA	0.011	U	0.011	NA	EB
Tantalum-182	SNL0094189	LWDS-BH-EB	0	01-DEC-94	GAMMA	0.054	U	0.054	NA	EB
Tellurium-123M	SNL0094189	LWDS-BH-EB	0	01-DEC-94	GAMMA	0.0083	U	0.0083	NA	EB
Thallium-201	SNL0094189	LWDS-BH-EB	0	01-DEC-94	GAMMA	0.0992	U	0.0992	NA	EB
Thallium-208	SNL0094189	LWDS-BH-EB	0	01-DEC-94	GAMMA	0.0327	U	0.0327	NA	EB
Thorium-227	SNL0094189	LWDS-BH-EB	0	01-DEC-94	GAMMA	0.0656	U	0.0656	NA	EB
Thorium-228	SNL0094189	LWDS-BH-EB	0	01-DEC-94	GAMMA	0.0189		1E+08	NA	EB
Thorium-229	SNL0094189	LWDS-BH-EB	0	01-DEC-94	GAMMA	0.0348	U	0.0348	NA	EB
Thorium-231	SNL0094189	LWDS-BH-EB	0	01-DEC-94	GAMMA	0.122	U	0.122	NA	EB
Thorium-232	SNL0094189	LWDS-BH-EB	0	01-DEC-94	GAMMA	0.0506	U	0.0506	1.01	EB
Thorium-234	SNL0094189	LWDS-BH-EB	0	01-DEC-94	GAMMA	0.187	U	0.187	1.4	EB
Tin-113	SNL0094189	LWDS-BH-EB	0	01-DEC-94	GAMMA	0.0138	U	0.0138	NA	EB
Uranium-234	SNL0094189	LWDS-BH-EB	0	01-DEC-94	GAMMA	5.37	U	5.37	1.6	EB
Uranium-235	SNL0094189	LWDS-BH-EB	0	01-DEC-94	GAMMA	0.014	U	0.014	0.16	EB
Uranium-238	SNL0094189	LWDS-BH-EB	0	01-DEC-94	GAMMA	0.187	U	0.187	1.4	EB
Xenon-133,-133M	SNL0094189	LWDS-BH-EB	0	01-DEC-94	GAMMA	0.0341	U	0.0341	NA	EB
Yttrium-88	SNL0094189	LWDS-BH-EB	0	01-DEC-94	GAMMA	0.0109	U	0.0109	NA	EB
Zinc-65	SNL0094189	LWDS-BH-EB	0	01-DEC-94	GAMMA	0.018	U	0.018	NA	EB
Zirconium-95	SNL0094189	LWDS-BH-EB	0	01-DEC-94	GAMMA	0.0166	U	0.0166	NA	EB

Table A-13. Trip blank and equipment blank results for ER Sites 4, 5, and 52.

Analyte	Sample Number	Sample Location	Sample Depth (Ft)	Sample Date	Analytical Method	Amount Detected (mg/L)	Qualifier	Method Detection Limit	Sample Type
2,4-Dinitrotoluene	SNL0090028	LWDS-04-BH01	0	08-AUG-92	8270	10	U	10	EB
2,4-Dinitrotoluene	SNL0090031	LWDS-04-BH01	0	09-AUG-92	8270	10	U	10	EB
2,4-Dinitrotoluene	SNL0090054	LWDS-04-BH02	0	10-AUG-92	8270	10	U	10	EB
2,4-Dinitrotoluene	SNL0090596	LWDS-04-BH02	0	11-AUG-92	8270	10	U	10	EB
2,4-Dinitrotoluene	SNL0090623	LWDS-04-BH03	0	12-AUG-92	8270	10	U	10	EB
2,4-Dinitrotoluene	SNL0091158	LWDS-04-BH03	0	13-AUG-92	8270	10	U	10	EB
2,4-Dinitrotoluene	SNL0091172	LWDS-04-BH04	0	18-AUG-92	8270	10	U	10	EB
2,4-Dinitrotoluene	SNL0091173	LWDS-04-BH04	0	18-AUG-92	8270	11	U	11	EB
2,4-Dinitrotoluene	SNL0091192	LWDS-04-BH04	0	19-AUG-92	8270	10	U	10	EB
2,4-Dinitrotoluene	SNL0091255	LWDS-04-BH05	0	20-AUG-92	8270	10	U	10	EB
2,4-Dinitrotoluene	SNL0091273	LWDS-MW1	0	23-AUG-92	8270	10	U	10	EB
2,4-Dinitrotoluene	SNL0091275	LWDS-MW1	0	22-AUG-92	8270	10	U	10	EB
2,4-Dinitrotoluene	SNL0091292	LWDS-MW1	0	24-AUG-92	8270	10	U	10	EB
2,4-Dinitrotoluene	SNL0091299	LWDS-MW1	0	25-AUG-92	8270	10	U	10	EB
2,4-Dinitrotoluene	SNL0091934	LWDS-52-BH06	0	05-SEP-92	8270	10	U	10	EB
2,4-Dinitrotoluene	SNL0091945	LWDS-52-BH08	0	05-SEP-92	8270	10	U	10	EB
2,4-Dinitrotoluene	SNL0092792	LWDS-MW2	0	23-SEP-92	8270	10	U	10	EB
2,4-Dinitrotoluene	SNL0092872	LWDS-MW2	0	08-OCT-92	8270	10	U	10	EB
2,4-Dinitrotoluene	SNL0093106	LWDS-MW1	0	28-APR-93	8270	10	U	10	EB
2,4-Dinitrotoluene	SNL0093237	LWDS-04-BH09	0	18-MAR-94	8270	10	U	10	EB
2,4-Dinitrotoluene	SNL0093275	LWDS-04-BH10	0	19-MAR-94	8270	10	U	10	EB
2,4-Dinitrotoluene	SNL0093368	LWDS-05-BH13	0	22-MAR-94	8270	10	U	10	EB
2,4-Dinitrotoluene	SNL0093458	LWDS-05-BH12	0	21-MAR-94	8270	10	U	10	EB
2,4-Dinitrotoluene	SNL0093575	LWDS-05-BH11	0	20-MAR-94	8270	10	U	10	EB
2,4-Dinitrotoluene	SNL0093615	LWDS-52-BH16	0	24-MAR-94	8270	10	U	10	EB
2,4-Dinitrotoluene	SNL0093647	LWDS-05-BH14	0	23-MAR-94	8270	10	U	10	EB
2,4-Dinitrotoluene	SNL0093706	LWDS-52-BH15	0	23-MAR-94	8270	10	U	10	EB
2,4-Dinitrotoluene	SNL0094017	LWDS-MW2	0	11-MAR-94	8270	0.01	U	0.01	EB
2,4-Dinitrotoluene	SNL0094282	LWDS-MW1	0	06-JUN-94	8270	0.01	U	0.01	EB
2,4-Dinitrotoluene	SNL0094303	LWDS-MW1	0	31-AUG-94	8270	0.01	U	0.01	EB
2,4-Dinitrotoluene	SNL0094414	LWDS-MW2	0	07-DEC-94	8270	0.01	U	0.01	EB
2,4-Dinitrotoluene	SNL0099100	LWDS-MW2	0	24-JUN-93	8270	0.01	U	0.01	EB
Acenaphthene	SNL0090028	LWDS-04-BH01	0	08-AUG-92	8270	10	U	10	EB
Acenaphthene	SNL0090031	LWDS-04-BH01	0	09-AUG-92	8270	10	U	10	EB
Acenaphthene	SNL0090054	LWDS-04-BH02	0	10-AUG-92	8270	10	U	10	EB
Acenaphthene	SNL0090596	LWDS-04-BH02	0	11-AUG-92	8270	10	U	10	EB
Acenaphthene	SNL0090623	LWDS-04-BH03	0	12-AUG-92	8270	10	U	10	EB
Acenaphthene	SNL0091158	LWDS-04-BH03	0	13-AUG-92	8270	10	U	10	EB
Acenaphthene	SNL0091172	LWDS-04-BH04	0	18-AUG-92	8270	10	U	10	EB
Acenaphthene	SNL0091173	LWDS-04-BH04	0	18-AUG-92	8270	11	U	11	EB
Acenaphthene	SNL0091192	LWDS-04-BH04	0	19-AUG-92	8270	10	U	10	EB
Acenaphthene	SNL0091255	LWDS-04-BH05	0	20-AUG-92	8270	10	U	10	EB
Acenaphthene	SNL0091273	LWDS-MW1	0	23-AUG-92	8270	10	U	10	EB
Acenaphthene	SNL0091275	LWDS-MW1	0	22-AUG-92	8270	10	U	10	EB
Acenaphthene	SNL0091292	LWDS-MW1	0	24-AUG-92	8270	10	U	10	EB
Acenaphthene	SNL0091299	LWDS-MW1	0	25-AUG-92	8270	10	U	10	EB
Acenaphthene	SNL0091934	LWDS-52-BH06	0	05-SEP-92	8270	10	U	10	EB
Acenaphthene	SNL0091945	LWDS-52-BH08	0	05-SEP-92	8270	10	U	10	EB
Acenaphthene	SNL0092792	LWDS-MW2	0	23-SEP-92	8270	10	U	10	EB
Acenaphthene	SNL0092872	LWDS-MW2	0	08-OCT-92	8270	10	U	10	EB
Acenaphthene	SNL0093106	LWDS-MW1	0	28-APR-93	8270	10	U	10	EB
Acenaphthene	SNL0093237	LWDS-04-BH09	0	18-MAR-94	8270	10	U	10	EB
Acenaphthene	SNL0093275	LWDS-04-BH10	0	19-MAR-94	8270	10	U	10	EB
Acenaphthene	SNL0093368	LWDS-05-BH13	0	22-MAR-94	8270	10	U	10	EB
Acenaphthene	SNL0093458	LWDS-05-BH12	0	21-MAR-94	8270	10	U	10	EB
Acenaphthene	SNL0093575	LWDS-05-BH11	0	20-MAR-94	8270	10	U	10	EB
Acenaphthene	SNL0093615	LWDS-52-BH16	0	24-MAR-94	8270	10	U	10	EB
Acenaphthene	SNL0093647	LWDS-05-BH14	0	23-MAR-94	8270	10	U	10	EB
Acenaphthene	SNL0093706	LWDS-52-BH15	0	23-MAR-94	8270	10	U	10	EB
Acenaphthene	SNL0094017	LWDS-MW2	0	11-MAR-94	8270	0.01	U	0.01	EB
Acenaphthene	SNL0094282	LWDS-MW1	0	06-JUN-94	8270	0.01	U	0.01	EB
Acenaphthene	SNL0094303	LWDS-MW1	0	31-AUG-94	8270	0.01	U	0.01	EB
Acenaphthene	SNL0094414	LWDS-MW2	0	07-DEC-94	8270	0.01	U	0.01	EB
Acenaphthene	SNL0094620	LWDS MW-2	0	01-MAR-95	8270	0.01	U	0.01	EB
Acenaphthene	SNL0094749	LWDS-MW2	0	12-JUN-95	8270	0.01	U	0.01	EB
Acenaphthene	SNL0099100	LWDS-MW2	0	24-JUN-93	8270	0.01	U	0.01	EB
Acenaphthylene	SNL0090028	LWDS-04-BH01	0	08-AUG-92	8270	10	U	10	EB
Acenaphthylene	SNL0090031	LWDS-04-BH01	0	09-AUG-92	8270	10	U	10	EB

Table A-13. Trip blank and equipment blank results for ER Sites 4, 5, and 52.

Analyte	Sample Number	Sample Location	Sample Depth (Ft)	Sample Date	Analytical Method	Amount Detected (mg/L)	Qualifier	Method Detection Limit	Sample Type
Acenaphthylene	SNL0090054	LWDS-04-BH02	0	10-AUG-92	8270	10	U	10	EB
Acenaphthylene	SNL0090596	LWDS-04-BH02	0	11-AUG-92	8270	10	U	10	EB
Acenaphthylene	SNL0090623	LWDS-04-BH03	0	12-AUG-92	8270	10	U	10	EB
Acenaphthylene	SNL0091158	LWDS-04-BH03	0	13-AUG-92	8270	10	U	10	EB
Acenaphthylene	SNL0091172	LWDS-04-BH04	0	18-AUG-92	8270	10	U	10	EB
Acenaphthylene	SNL0091173	LWDS-04-BH04	0	18-AUG-92	8270	11	U	11	EB
Acenaphthylene	SNL0091192	LWDS-04-BH04	0	19-AUG-92	8270	10	U	10	EB
Acenaphthylene	SNL0091255	LWDS-04-BH05	0	20-AUG-92	8270	10	U	10	EB
Acenaphthylene	SNL0091273	LWDS-MW1	0	23-AUG-92	8270	10	U	10	EB
Acenaphthylene	SNL0091275	LWDS-MW1	0	22-AUG-92	8270	10	U	10	EB
Acenaphthylene	SNL0091292	LWDS-MW1	0	24-AUG-92	8270	10	U	10	EB
Acenaphthylene	SNL0091299	LWDS-MW1	0	25-AUG-92	8270	10	U	10	EB
Acenaphthylene	SNL0091934	LWDS-52-BH06	0	05-SEP-92	8270	10	U	10	EB
Acenaphthylene	SNL0091945	LWDS-52-BH08	0	05-SEP-92	8270	10	U	10	EB
Acenaphthylene	SNL0092792	LWDS-MW2	0	23-SEP-92	8270	10	U	10	EB
Acenaphthylene	SNL0092872	LWDS-MW2	0	08-OCT-92	8270	10	U	10	EB
Acenaphthylene	SNL0093106	LWDS-MW1	0	28-APR-93	8270	10	U	10	EB
Acenaphthylene	SNL0093237	LWDS-04-BH09	0	18-MAR-94	8270	10	U	10	EB
Acenaphthylene	SNL0093275	LWDS-04-BH10	0	19-MAR-94	8270	10	U	10	EB
Acenaphthylene	SNL0093368	LWDS-05-BH13	0	22-MAR-94	8270	10	U	10	EB
Acenaphthylene	SNL0093458	LWDS-05-BH12	0	21-MAR-94	8270	10	U	10	EB
Acenaphthylene	SNL0093575	LWDS-05-BH11	0	20-MAR-94	8270	10	U	10	EB
Acenaphthylene	SNL0093615	LWDS-52-BH16	0	24-MAR-94	8270	10	U	10	EB
Acenaphthylene	SNL0093647	LWDS-05-BH14	0	23-MAR-94	8270	10	U	10	EB
Acenaphthylene	SNL0093706	LWDS-52-BH15	0	23-MAR-94	8270	10	U	10	EB
Acenaphthylene	SNL0094017	LWDS-MW2	0	11-MAR-94	8270	0.01	U	0.01	EB
Acenaphthylene	SNL0094282	LWDS-MW1	0	06-JUN-94	8270	0.01	U	0.01	EB
Acenaphthylene	SNL0094303	LWDS-MW1	0	31-AUG-94	8270	0.01	U	0.01	EB
Acenaphthylene	SNL0094414	LWDS-MW2	0	07-DEC-94	8270	0.01	U	0.01	EB
Acenaphthylene	SNL0094620	LWDS MW-2	0	01-MAR-95	8270	0.01	U	0.01	EB
Acenaphthylene	SNL0094749	LWDS-MW2	0	12-JUN-95	8270	0.01	U	0.01	EB
Acenaphthylene	SNL0099100	LWDS-MW2	0	24-JUN-93	8270	0.01	U	0.01	EB
Acetone	SNL0090027	LWDS-04-BH01	0	08-AUG-92	8240	15		10	EB
Acetone	SNL0090029	LWDS-04-BH01	0	08-AUG-92	8240	10	U	10	TB
Acetone	SNL0090030	LWDS-04-BH01	0	09-AUG-92	8240	10	U	10	EB
Acetone	SNL0090032	LWDS-04-BH01	0	09-AUG-92	8240	10	U	10	TB
Acetone	SNL0090053	LWDS-04-BH02	0	10-AUG-92	8240	16	B	10	EB
Acetone	SNL0090055	LWDS-04-BH02	0	10-AUG-92	8240	10	U	10	TB
Acetone	SNL0090162	LWDS-SS	0	16-JUL-92	8240	10	U	10	TB
Acetone	SNL0090163	LWDS-SS	0	16-JUL-92	8240	10	U	10	TB
Acetone	SNL0090416	LWDS-SS	0	16-JUL-92	8240	10	U	10	TB
Acetone	SNL0090595	LWDS-04-BH02	0	11-AUG-92	8240	10	U	10	EB
Acetone	SNL0090597	LWDS-04-BH02	0	11-AUG-92	8240	10	U	10	TB
Acetone	SNL0090622	LWDS-04-BH03	0	12-AUG-92	8240	10	U	10	EB
Acetone	SNL0090624	LWDS-04-BH03	0	12-AUG-92	8240	10	U	10	TB
Acetone	SNL0090737	LWDS-SS	0	17-JUL-92	8240	10	U	10	TB
Acetone	SNL0090934	LWDS-SS	0	17-JUL-92	8240	10	U	10	TB
Acetone	SNL0091118	LWDS-SS	0	20-JUL-92	8240	10	U	10	TB
Acetone	SNL0091157	LWDS-04-BH03	0	13-AUG-92	8240	10	U	10	EB
Acetone	SNL0091171	LWDS-04-BH04	0	18-AUG-92	8240	10	U	10	EB
Acetone	SNL0091174	LWDS-04-BH04	0	18-AUG-92	8240	10	U	10	TB
Acetone	SNL0091191	LWDS-04-BH04	0	19-AUG-92	8240	10	U	10	EB
Acetone	SNL0091193	LWDS-04-BH04	0	19-AUG-92	8240	10	U	10	TB
Acetone	SNL0091242	LWDS-04-BH05	0	20-AUG-92	8240	10	U	10	TB
Acetone	SNL0091256	LWDS-04-BH05	0	20-AUG-92	8240	14		10	EB
Acetone	SNL0091257	LWDS-04-BH05	0	20-AUG-92	8240	10	U	10	TB
Acetone	SNL0091272	LWDS-MW1	0	23-AUG-92	8240	14		10	EB
Acetone	SNL0091274	LWDS-MW1	0	22-AUG-92	8240	11		10	EB
Acetone	SNL0091276	LWDS-MW1	0	22-AUG-92	8240	10	U	10	TB
Acetone	SNL0091291	LWDS-MW1	0	24-AUG-92	8240	10	U	10	EB
Acetone	SNL0091293	LWDS-MW1	0	24-AUG-92	8240	10	U	10	TB
Acetone	SNL0091298	LWDS-MW1	0	25-AUG-92	8240	10	U	10	EB
Acetone	SNL0091300	LWDS-MW1	0	25-AUG-92	8240	10	U	10	TB
Acetone	SNL0091933	LWDS-52-BH06	0	05-SEP-92	8240	16		10	EB
Acetone	SNL0091935	LWDS-52-BH06	0	05-SEP-92	8240	10	U	10	TB
Acetone	SNL0091944	LWDS-52-BH08	0	05-SEP-92	8240	13		10	EB
Acetone	SNL0092723	LWDS-MW2	0	18-SEP-92	8240	10	U	10	TB
Acetone	SNL0092746	LWDS-MW2	0	21-SEP-92	8240	10	U	10	TB

Table A-13. Trip blank and equipment blank results for ER Sites 4, 5, and 52.

Analyte	Sample Number	Sample Location	Sample Depth (Ft)	Sample Date	Analytical Method	Amount Detected (mg/L)	Qualifier	Method Detection Limit	Sample Type
Acetone	SNL0092791	LWDS-MW2	0	23-SEP-92	8240	10	U	10	EB
Acetone	SNL0092801	LWDS-MW2	0	23-SEP-92	8240	10	U	10	TB
Acetone	SNL0092835	LWDS-MW2	0	24-SEP-92	8240	10	U	10	TB
Acetone	SNL0092847	LWDS-MW2	0	01-OCT-92	8240	10	U	10	TB
Acetone	SNL0092859	LWDS-MW2	0	02-OCT-92	8240	10	U	10	TB
Acetone	SNL0092871	LWDS-MW2	0	08-OCT-92	8240	10	U	10	EB
Acetone	SNL0092881	LWDS-MW2	0	08-OCT-92	8240	10	U	10	TB
Acetone	SNL0092948	LWDS-MW2	0	17-OCT-92	8240	10	U	10	TB
Acetone	SNL0092970	LWDS-MW2	0	21-OCT-92	8240	10	U	10	TB
Acetone	SNL0092989	LWDS-MW1	0	06-APR-93	8240	10	U	10	TB
Acetone	SNL0093002	LWDS-MW1	0	08-APR-93	8240	12	B	10	TB
Acetone	SNL0093003	LWDS-MW1	0	13-APR-93	8240	10	U	10	TB
Acetone	SNL0093013	LWDS-MW1	0	14-APR-93	8240	9	BJ	10	TB
Acetone	SNL0093035	LWDS-MW1	0	15-APR-93	8240	4.3	J	10	TB
Acetone	SNL0093045	LWDS-MW1	0	17-APR-93	8240	3.9	BJ	10	TB
Acetone	SNL0093082	LWDS-MW1	0	21-APR-93	8240	10	U	10	TB
Acetone	SNL0093092	LWDS-MW1	0	27-APR-93	8240	7.8	J	10	TB
Acetone	SNL0093105	LWDS-MW1	0	28-APR-93	8240	8.8	BJ	10	EB
Acetone	SNL0093114	LWDS-MW1	0	28-APR-93	8240	4.5	BJ	10	TB
Acetone	SNL0093124	LWDS-MW1	0	30-APR-93	8240	10	U	10	TB
Acetone	SNL0093135	LWDS-MW1	0	03-MAY-93	8240	10	U	10	TB
Acetone	SNL0093236	LWDS-04-BH09	0	18-MAR-94	8240	7.8	J	10	EB
Acetone	SNL0093244	LWDS-04-BH09	0	18-MAR-94	8240	5.1	J	10	TB
Acetone	SNL0093245	LWDS-04-BH09	0	18-MAR-94	8240	12	B	10	TB
Acetone	SNL0093274	LWDS-04-BH10	0	19-MAR-94	8240	9	J	10	EB
Acetone	SNL0093285	LWDS-04-BH10	0	19-MAR-94	8240	13	B	10	TB
Acetone	SNL0093286	LWDS-04-BH10	0	19-MAR-94	8240	5.3	J	10	TB
Acetone	SNL0093367	LWDS-05-BH13	0	22-MAR-94	8240	10	U	10	EB
Acetone	SNL0093375	LWDS-05-BH13	0	22-MAR-94	8240	6.6	J	10	TB
Acetone	SNL0093376	LWDS-05-BH13	0	22-MAR-94	8240	10	U	10	TB
Acetone	SNL0093457	LWDS-05-BH12	0	21-MAR-94	8240	10	U	10	EB
Acetone	SNL0093465	LWDS-05-BH12	0	21-MAR-94	8240	10	U	10	TB
Acetone	SNL0093466	LWDS-05-BH12	0	21-MAR-94	8240	5.9	J	10	TB
Acetone	SNL0093572	LWDS-05-BH11	0	20-MAR-94	8240	6.8	J	10	TB
Acetone	SNL0093573	LWDS-05-BH11	0	20-MAR-94	8240	10	U	10	TB
Acetone	SNL0093574	LWDS-05-BH11	0	20-MAR-94	8240	10	U	10	EB
Acetone	SNL0093614	LWDS-52-BH16	0	24-MAR-94	8240	10	U	10	EB
Acetone	SNL0093622	LWDS-52-BH16	0	24-MAR-94	8240	6.8	BJ	10	TB
Acetone	SNL0093646	LWDS-05-BH14	0	23-MAR-94	8240	14		10	EB
Acetone	SNL0093654	LWDS-05-BH14	0	23-MAR-94	8240	10	U	10	TB
Acetone	SNL0093655	LWDS-05-BH14	0	23-MAR-94	8240	10	U	10	TB
Acetone	SNL0093705	LWDS-52-BH15	0	23-MAR-94	8240	37		10	EB
Acetone	SNL0094080	LWDS-MW1	0	10-MAR-94	8240	0.01	U	0.01	TB
Acetone	SNL0094280	LWDS-MW1	0	31-MAY-94	8260	0.013		0.005	TB
Acetone	SNL0094281	LWDS-MW1	0	06-JUN-94	8260	0.005	U	0.005	EB
Acetone	SNL0094298	LWDS-MW1	0	31-MAY-94	8260	0.005	U	0.005	TB
Acetone	SNL0094302	LWDS-MW1	0	31-AUG-94	8260	0.005	U	0.005	EB
Acetone	SNL0094317	LWDS-MW1	0	24-AUG-94	8260	0.005	U	0.005	TB
Acetone	SNL0094348	LWDS-MW1	0	24-AUG-94	8260	0.01	U	0.01	TB
Acetone	SNL0094411	LWDS-MW2	0	06-JUN-94	8260	0.005	U	0.005	TB
Acetone	SNL0094618	LWDS MW-2	0	27-FEB-95	8240	0.012		0.01	TB
Acetone	SNL0094619	LWDS MW-2	0	01-MAR-95	8240	0.01		0.01	EB
Acetone	SNL0094667	LWDS MW-1	0	02-MAR-95	8240	0.009	J	0.01	TB
Acetone	SNL0099096	LWDS-MW2	0	24-JUN-93	8240	0.01	U	0.01	EB
Acetone	SNL0099097	LWDS-MW2	0	24-JUN-93	8240	0.01	U	0.01	TB
Acetonitrile	SNL0099118	LWDS-MW1-DRUM	0	27-DEC-93	624	0.1	U	0.1	TB
Acrolein	SNL0099118	LWDS-MW1-DRUM	0	27-DEC-93	624	0.1	U	0.1	TB
Acrylonitrile	SNL0099118	LWDS-MW1-DRUM	0	27-DEC-93	624	0.1	U	0.1	TB
Actinium-227	SNL0094220	LWDS-04-BH09-EB	0	18-MAR-94	GAMMA	0.655	U	0.655	EB
Actinium-227	SNL0094223	LWDS-04-BH10-EB	0	19-MAR-94	GAMMA	0.64823	U	0.64823	EB
Actinium-227	SNL0094226	LWDS-05-BH11-EB	0	20-MAR-94	GAMMA	0.615	U	0.615	EB
Actinium-227	SNL0094227	LWDS-MW1	0	06-JUN-94	GAMMA	0.456	U	0.456	EB
Actinium-227	SNL0094243	LWDS-MW2	0	07-DEC-94	GAMMA	0.66	U	0.66	EB
Actinium-227	SNL0094247	LWDS-MW1	0	08-DEC-94	GAMMA	0.511	U	0.511	FB
Actinium-228	SNL0091301	LWDS-04-BH01	0	09-AUG-92	GAMMA	92.4	<	92.4	EB
Actinium-228	SNL0091518	LWDS-04-BH01	0	08-AUG-92	GAMMA	94.9	<	94.9	EB
Actinium-228	SNL0091526	LWDS-04-BH02	0	10-AUG-92	GAMMA	91.4	<	91.4	EB
Actinium-228	SNL0091574	LWDS-04-BH02	0	11-AUG-92	GAMMA	94.5	<	94.5	EB

Table A-13. Trip blank and equipment blank results for ER Sites 4, 5, and 52.

Analyte	Sample Number	Sample Location	Sample Depth (Ft)	Sample Date	Analytical Method	Amount Detected (mg/L)	Qualifier	Method Detection Limit	Sample Type
Actinium-228	SNL0091682	LWDS-04-BH03	0	12-AUG-92	GAMMA	82	<	82	EB
Actinium-228	SNL0091733	LWDS-04-BH03	0	13-AUG-92	GAMMA	82.2	<	82.2	EB
Actinium-228	SNL0091789	LWDS-04-BH04	0	18-AUG-92	GAMMA	93.6	<	93.6	EB
Actinium-228	SNL0091925	LWDS-04-BH04	0	19-AUG-92	GAMMA	97.2	<	97.2	EB
Actinium-228	SNL0092176	LWDS-04-BH05	0	20-AUG-92	GAMMA	120	<	120	EB
Actinium-228	SNL0092208	LWDS-MW1	0	24-AUG-92	GAMMA	98.1	<	98.1	EB
Actinium-228	SNL0092216	LWDS-MW1	0	22-AUG-92	GAMMA	92.1	<	92.1	EB
Actinium-228	SNL0092323	LWDS-MW1	0	23-AUG-92	GAMMA	44.8	<	44.8	EB
Actinium-228	SNL0092349	LWDS-MW1	0	25-AUG-92	GAMMA	46.4	<	46.4	EB
Actinium-228	SNL0092373	LWDS-52-BH06	0	05-SEP-92	GAMMA	44.1	<	44.1	EB
Actinium-228	SNL0092417	LWDS-52-BH08	0	05-SEP-92	GAMMA	50.3	<	50.3	EB
Actinium-228	SNL0092506	LWDS-52-BH07	0	07-SEP-92	GAMMA	51.8	<	51.8	EB
Actinium-228	SNL0092538	LWDS-MW2	0	07-SEP-92	GAMMA	61.8	<	61.8	EB
Actinium-228	SNL0092684	LWDS-52-BH07	0	06-SEP-92	GAMMA	51.1	<	51.1	EB
Actinium-228	SNL0092793	LWDS-MW2	0	23-SEP-92	GAMMA	48.9	<	48.9	EB
Actinium-228	SNL0092873	LWDS-MW2	0	08-OCT-92	GAMMA	47.2	<	47.2	EB
Actinium-228	SNL0093766	LWDS-MW1	0	27-APR-93	GAMMA	160	U	160	EB
Actinium-228	SNL0093779	LWDS-MW2	0	24-JUN-93	GAMMA	98	U	98	EB
Actinium-228	SNL0093788	LWDS-MW1	0	03-NOV-93	GAMMA	96	U	96	EB
Actinium-228	SNL0094220	LWDS-04-BH09-EB	0	18-MAR-94	GAMMA	0.0512	U	0.0512	EB
Actinium-228	SNL0094223	LWDS-04-BH10-EB	0	19-MAR-94	GAMMA	0.05358	U	0.05358	EB
Actinium-228	SNL0094226	LWDS-05-BH11-EB	0	20-MAR-94	GAMMA	0.0488	U	0.0488	EB
Actinium-228	SNL0094227	LWDS-MW1	0	06-JUN-94	GAMMA	0.0398	U	0.0398	EB
Actinium-228	SNL0094243	LWDS-MW2	0	07-DEC-94	GAMMA	0.0442	U	0.0442	EB
Actinium-228	SNL0094247	LWDS-MW1	0	08-DEC-94	GAMMA	0.0358	U	0.0358	FB
Actinium-228	SNL0094488	LWDS-MW2	0	12-JUN-95	901.1	52.1		52.1	EB
linity, bicarb as CACO3	SNL0099088	LWDS-MW2	0	24-JUN-93	2320B	10	U	10	EB
Alkalinity, total	SNL0094018	LWDS-MW2	0	11-MAR-94	2320B	10	U	10	EB
Alkalinity, total	SNL0094291	LWDS-MW1	0	06-JUN-94	2320B	10	U	10	EB
Alkalinity, total	SNL0094312	LWDS-MW1	0	31-AUG-94	2320B	10	U	10	EB
Alkalinity, total	SNL0094380	LWDS-MW1	0	08-DEC-94	2320B	230		10	EB
Alkalinity, total	SNL0094418	LWDS-MW2	0	07-DEC-94	2320B	10	U	10	EB
Alkalinity, total	SNL0094624	LWDS MW-2	0	01-MAR-95	2320B	10	U	10	EB
Alkalinity, total	SNL0094755	LWDS-MW2	0	12-JUN-95	2320B	10	U	10	EB
Alpha, gross	SNL0093778	LWDS-MW2	0	24-JUN-93	GA	0.44		0.54	EB
Alpha, gross	SNL0093787	LWDS-MW1	0	03-NOV-93	GA	6.6		3.3	EB
Alpha, gross	SNL0093807	LWDS-MW2	0	09-MAR-94	GA	0.02	U	0.77	EB
Alpha, gross	SNL0093819	LWDS-MW2	0	09-MAR-94	GA	-0.23	U	0.62	FB
Alpha, gross	SNL0094236	LWDS-MW1	0	06-JUN-94	900.0	-0.1	U	0.66	EB
Alpha, gross	SNL0094248	LWDS-MW2	0	07-DEC-94	900.0	0.48	U	0.96	EB
Alpha, gross	SNL0094260	LWDS-MW1	0	08-DEC-94	900.0	0.3	U	1.1	FB
Alpha, gross	SNL0094487	LWDS-MW2	0	12-JUN-95	900.0	-0.07		0.35	EB
Alpha, gross	SNL0094501	LWDS MW-1	0	02-MAR-95	900.0	0.21	U	0.87	FB
Alpha, gross	SNL0094504	LWDS MW-2	0	01-MAR-95	900.0	0.31	U	0.93	EB
Aluminum	SNL0091302	LWDS-04-BH01	0	09-AUG-92	6010	4.8		0.1	EB
Aluminum	SNL0091519	LWDS-04-BH01	0	08-AUG-92	6010	0.44		0.1	EB
Aluminum	SNL0091528	LWDS-04-BH02	0	10-AUG-92	6010	1.5		0.1	EB
Aluminum	SNL0091576	LWDS-04-BH02	0	11-AUG-92	6010	0.1	U	0.1	EB
Aluminum	SNL0091684	LWDS-04-BH03	0	12-AUG-92	6010	0.1	U	0.1	EB
Aluminum	SNL0091735	LWDS-04-BH03	0	13-AUG-92	6010	0.1	U	0.1	EB
Aluminum	SNL0091791	LWDS-04-BH04	0	18-AUG-92	6010	0.1	U	0.1	EB
Aluminum	SNL0091927	LWDS-04-BH04	0	19-AUG-92	6010	0.1	U	0.1	EB
Aluminum	SNL0092178	LWDS-04-BH05	0	20-AUG-92	6010	0.65		0.1	EB
Aluminum	SNL0092210	LWDS-MW1	0	24-AUG-92	6010	0.1	U	0.1	EB
Aluminum	SNL0092218	LWDS-MW1	0	22-AUG-92	6010	0.11		0.1	EB
Aluminum	SNL0092325	LWDS-MW1	0	23-AUG-92	6010	0.11		0.1	EB
Aluminum	SNL0092351	LWDS-MW1	0	25-AUG-92	6010	1.7		0.1	EB
Aluminum	SNL0092374	LWDS-52-BH06	0	05-SEP-92	6010	0.1	U	0.1	EB
Aluminum	SNL0092418	LWDS-52-BH08	0	05-SEP-92	6010	0.11		0.1	EB
Aluminum	SNL0092507	LWDS-52-BH07	0	07-SEP-92	6010	0.1	U	0.1	EB
Aluminum	SNL0092532	LWDS-MW2	0	07-SEP-92	6010	0.1	U	0.1	EB
Aluminum	SNL0092685	LWDS-52-BH07	0	06-SEP-92	6010	0.33		0.1	EB
Aluminum	SNL0092795	LWDS-MW2	0	23-SEP-92	6010	30.4		0.1	EB
Aluminum	SNL0092875	LWDS-MW2	0	08-OCT-92	6010	0.1	U	0.1	EB
Aluminum	SNL0093107	LWDS-MW1	0	28-APR-93	6010	0.41		0.1	EB
Aluminum	SNL0093238	LWDS-04-BH09	0	18-MAR-94	6010	0.1	U	0.1	EB
Aluminum	SNL0093276	LWDS-04-BH10	0	19-MAR-94	6010	0.1	U	0.1	EB
Aluminum	SNL0093369	LWDS-05-BH13	0	22-MAR-94	6010	0.1	U	0.1	EB

Table A-13. Trip blank and equipment blank results for ER Sites 4, 5, and 52.

Analyte	Sample Number	Sample Location	Sample Depth (Ft)	Sample Date	Analytical Method	Amount Detected (mg/L)	Qualifier	Method Detection Limit	Sample Type
Aluminum	SNL0093459	LWDS-05-BH12	0	21-MAR-94	6010	0.1	U	0.1	EB
Aluminum	SNL0093576	LWDS-05-BH11	0	20-MAR-94	6010	0.1	U	0.1	EB
Aluminum	SNL0093616	LWDS-52-BH16	0	24-MAR-94	6010	0.1	U	0.1	EB
Aluminum	SNL0093648	LWDS-05-BH14	0	23-MAR-94	6010	0.1	U	0.1	EB
Aluminum	SNL0093707	LWDS-52-BH15	0	23-MAR-94	6010	0.1	U	0.1	EB
Aluminum	SNL0094026	LWDS-MW2	0	09-MAR-94	6010	0.2	U	0.2	EB
Aluminum	SNL0094283	LWDS-MW1	0	06-JUN-94	6010	0.2	U	0.2	EB
Aluminum	SNL0094304	LWDS-MW1	0	31-AUG-94	6010	0.2	U	0.2	EB
Aluminum	SNL0094415	LWDS-MW2	0	07-DEC-94	6010	0.2	U	0.2	EB
Aluminum	SNL0094621	LWDS MW-2	0	01-MAR-95	6010	0.2	U	0.2	EB
Aluminum	SNL0094750	LWDS-MW2	0	12-JUN-95	6010	0.2	U	0.2	EB
Aluminum	SNL0099067	LWDS-MW2	0	24-JUN-93	6010	0.2	U	0.2	EB
Americium-241	SNL0091301	LWDS-04-BH01	0	09-AUG-92	GAMMA	30.2	<	30.2	EB
Americium-241	SNL0091518	LWDS-04-BH01	0	08-AUG-92	GAMMA	33.8	<	33.8	EB
Americium-241	SNL0091526	LWDS-04-BH02	0	10-AUG-92	GAMMA	26.7	<	26.7	EB
Americium-241	SNL0091574	LWDS-04-BH02	0	11-AUG-92	GAMMA	34.1	<	34.1	EB
Americium-241	SNL0091682	LWDS-04-BH03	0	12-AUG-92	GAMMA	17.3	<	17.3	EB
Americium-241	SNL0091733	LWDS-04-BH03	0	13-AUG-92	GAMMA	19	<	19	EB
Americium-241	SNL0091789	LWDS-04-BH04	0	18-AUG-92	GAMMA	26.9	<	26.9	EB
Americium-241	SNL0091925	LWDS-04-BH04	0	19-AUG-92	GAMMA	23.7	<	23.7	EB
Americium-241	SNL0092176	LWDS-04-BH05	0	20-AUG-92	GAMMA	16.9	<	16.9	EB
Americium-241	SNL0092208	LWDS-MW1	0	24-AUG-92	GAMMA	27	<	27	EB
Americium-241	SNL0092216	LWDS-MW1	0	22-AUG-92	GAMMA	25	<	25	EB
Americium-241	SNL0092323	LWDS-MW1	0	23-AUG-92	GAMMA	13.1	<	13.1	EB
Americium-241	SNL0092349	LWDS-MW1	0	25-AUG-92	GAMMA	18.7	<	18.7	EB
Americium-241	SNL0092373	LWDS-52-BH06	0	05-SEP-92	GAMMA	12.5	<	12.5	EB
Americium-241	SNL0092417	LWDS-52-BH08	0	05-SEP-92	GAMMA	13.9	<	13.9	EB
Americium-241	SNL0092506	LWDS-52-BH07	0	07-SEP-92	GAMMA	10.3	<	10.3	EB
Americium-241	SNL0092538	LWDS-MW2	0	07-SEP-92	GAMMA	17.2	<	17.2	EB
Americium-241	SNL0092684	LWDS-52-BH07	0	06-SEP-92	GAMMA	14.2	<	14.2	EB
Americium-241	SNL0092793	LWDS-MW2	0	23-SEP-92	GAMMA	18.1	<	18.1	EB
Americium-241	SNL0092873	LWDS-MW2	0	08-OCT-92	GAMMA	18.8	<	18.8	EB
Americium-241	SNL0093766	LWDS-MW1	0	27-APR-93	GAMMA	130	U	130	EB
Americium-241	SNL0093779	LWDS-MW2	0	24-JUN-93	GAMMA	38	U	38	EB
Americium-241	SNL0093788	LWDS-MW1	0	03-NOV-93	GAMMA	36	U	36	EB
Americium-241	SNL0094220	LWDS-04-BH09-EB	0	18-MAR-94	GAMMA	0.0671	U	0.0671	EB
Americium-241	SNL0094223	LWDS-04-BH10-EB	0	19-MAR-94	GAMMA	0.0739	U	0.0739	EB
Americium-241	SNL0094226	LWDS-05-BH11-EB	0	20-MAR-94	GAMMA	0.0753	U	0.0753	EB
Americium-241	SNL0094227	LWDS-MW1	0	06-JUN-94	GAMMA	0.0505	U	0.0505	EB
Americium-241	SNL0094243	LWDS-MW2	0	07-DEC-94	GAMMA	0.0351	U	0.0351	EB
Americium-241	SNL0094247	LWDS-MW1	0	08-DEC-94	GAMMA	0.0656	U	0.0656	FB
Americium-241	SNL0094488	LWDS-MW2	0	12-JUN-95	901.1	16.2		16.2	EB
Anthracene	SNL0090028	LWDS-04-BH01	0	08-AUG-92	8270	10	U	10	EB
Anthracene	SNL0090031	LWDS-04-BH01	0	09-AUG-92	8270	10	U	10	EB
Anthracene	SNL0090054	LWDS-04-BH02	0	10-AUG-92	8270	10	U	10	EB
Anthracene	SNL0090596	LWDS-04-BH02	0	11-AUG-92	8270	10	U	10	EB
Anthracene	SNL0090623	LWDS-04-BH03	0	12-AUG-92	8270	10	U	10	EB
Anthracene	SNL0091158	LWDS-04-BH03	0	13-AUG-92	8270	10	U	10	EB
Anthracene	SNL0091172	LWDS-04-BH04	0	18-AUG-92	8270	10	U	10	EB
Anthracene	SNL0091173	LWDS-04-BH04	0	18-AUG-92	8270	11	U	11	EB
Anthracene	SNL0091192	LWDS-04-BH04	0	19-AUG-92	8270	10	U	10	EB
Anthracene	SNL0091255	LWDS-04-BH05	0	20-AUG-92	8270	10	U	10	EB
Anthracene	SNL0091273	LWDS-MW1	0	23-AUG-92	8270	10	U	10	EB
Anthracene	SNL0091275	LWDS-MW1	0	22-AUG-92	8270	10	U	10	EB
Anthracene	SNL0091292	LWDS-MW1	0	24-AUG-92	8270	10	U	10	EB
Anthracene	SNL0091299	LWDS-MW1	0	25-AUG-92	8270	10	U	10	EB
Anthracene	SNL0091934	LWDS-52-BH06	0	05-SEP-92	8270	10	U	10	EB
Anthracene	SNL0091945	LWDS-52-BH08	0	05-SEP-92	8270	10	U	10	EB
Anthracene	SNL0092792	LWDS-MW2	0	23-SEP-92	8270	10	U	10	EB
Anthracene	SNL0092872	LWDS-MW2	0	08-OCT-92	8270	10	U	10	EB
Anthracene	SNL0093106	LWDS-MW1	0	28-APR-93	8270	10	U	10	EB
Anthracene	SNL0093237	LWDS-04-BH09	0	18-MAR-94	8270	10	U	10	EB
Anthracene	SNL0093275	LWDS-04-BH10	0	19-MAR-94	8270	10	U	10	EB
Anthracene	SNL0093368	LWDS-05-BH13	0	22-MAR-94	8270	10	U	10	EB
Anthracene	SNL0093458	LWDS-05-BH12	0	21-MAR-94	8270	10	U	10	EB
Anthracene	SNL0093575	LWDS-05-BH11	0	20-MAR-94	8270	10	U	10	EB
Anthracene	SNL0093615	LWDS-52-BH16	0	24-MAR-94	8270	10	U	10	EB
Anthracene	SNL0093647	LWDS-05-BH14	0	23-MAR-94	8270	10	U	10	EB

Table A-13. Trip blank and equipment blank results for ER Sites 4, 5, and 52.

Analyte	Sample Number	Sample Location	Sample Depth (Ft)	Sample Date	Analytical Method	Amount Detected (mg/L)	Qualifier	Method Detection Limit	Sample Type
Anthracene	SNL0093706	LWDS-52-BH15	0	23-MAR-94	8270	10	U	10	EB
Anthracene	SNL0094017	LWDS-MW2	0	11-MAR-94	8270	0.01	U	0.01	EB
Anthracene	SNL0094282	LWDS-MW1	0	06-JUN-94	8270	0.01	U	0.01	EB
Anthracene	SNL0094303	LWDS-MW1	0	31-AUG-94	8270	0.01	U	0.01	EB
Anthracene	SNL0094414	LWDS-MW2	0	07-DEC-94	8270	0.01	U	0.01	EB
Anthracene	SNL0094620	LWDS MW-2	0	01-MAR-95	8270	0.01	U	0.01	EB
Anthracene	SNL0094749	LWDS-MW2	0	12-JUN-95	8270	0.01	U	0.01	EB
Anthracene	SNL0099100	LWDS-MW2	0	24-JUN-93	8270	0.01	U	0.01	EB
Antimony	SNL0091302	LWDS-04-BH01	0	09-AUG-92	6010	0.06	U	0.06	EB
Antimony	SNL0091519	LWDS-04-BH01	0	08-AUG-92	6010	0.06	U	0.06	EB
Antimony	SNL0091528	LWDS-04-BH02	0	10-AUG-92	6010	0.06	U	0.06	EB
Antimony	SNL0091576	LWDS-04-BH02	0	11-AUG-92	6010	0.06	U	0.06	EB
Antimony	SNL0091684	LWDS-04-BH03	0	12-AUG-92	6010	0.06	U	0.06	EB
Antimony	SNL0091735	LWDS-04-BH03	0	13-AUG-92	6010	0.06	U	0.06	EB
Antimony	SNL0091791	LWDS-04-BH04	0	18-AUG-92	6010	0.06	U	0.06	EB
Antimony	SNL0091927	LWDS-04-BH04	0	19-AUG-92	6010	0.06	U	0.06	EB
Antimony	SNL0092178	LWDS-04-BH05	0	20-AUG-92	6010	0.06	U	0.06	EB
Antimony	SNL0092210	LWDS-MW1	0	24-AUG-92	6010	0.06	U	0.06	EB
Antimony	SNL0092218	LWDS-MW1	0	22-AUG-92	6010	0.06	U	0.06	EB
Antimony	SNL0092325	LWDS-MW1	0	23-AUG-92	6010	0.06	U	0.06	EB
Antimony	SNL0092351	LWDS-MW1	0	25-AUG-92	6010	0.06	U	0.06	EB
Antimony	SNL0092374	LWDS-52-BH06	0	05-SEP-92	6010	0.06	U	0.06	EB
Antimony	SNL0092418	LWDS-52-BH08	0	05-SEP-92	6010	0.06	U	0.06	EB
Antimony	SNL0092507	LWDS-52-BH07	0	07-SEP-92	6010	0.06	U	0.06	EB
Antimony	SNL0092532	LWDS-MW2	0	07-SEP-92	6010	0.06	U	0.06	EB
Antimony	SNL0092685	LWDS-52-BH07	0	06-SEP-92	6010	0.06	U	0.06	EB
Antimony	SNL0092795	LWDS-MW2	0	23-SEP-92	6010	0.06	U	0.06	EB
Antimony	SNL0092875	LWDS-MW2	0	08-OCT-92	6010	0.06	U	0.06	EB
Antimony	SNL0093107	LWDS-MW1	0	28-APR-93	6010	0.06	U	0.06	EB
Antimony	SNL0093238	LWDS-04-BH09	0	18-MAR-94	6010	0.06	U	0.06	EB
Antimony	SNL0093276	LWDS-04-BH10	0	19-MAR-94	6010	0.06	U	0.06	EB
Antimony	SNL0093369	LWDS-05-BH13	0	22-MAR-94	6010	0.06	U	0.06	EB
Antimony	SNL0093459	LWDS-05-BH12	0	21-MAR-94	6010	0.06	U	0.06	EB
Antimony	SNL0093576	LWDS-05-BH11	0	20-MAR-94	6010	0.06	U	0.06	EB
Antimony	SNL0093616	LWDS-52-BH16	0	24-MAR-94	6010	0.06	U	0.06	EB
Antimony	SNL0093648	LWDS-05-BH14	0	23-MAR-94	6010	0.06	U	0.06	EB
Antimony	SNL0093707	LWDS-52-BH15	0	23-MAR-94	6010	0.06	U	0.06	EB
Antimony	SNL0094026	LWDS-MW2	0	09-MAR-94	6010	0.06	U	0.06	EB
Antimony	SNL0094283	LWDS-MW1	0	06-JUN-94	6010	0.2	U	0.2	EB
Antimony	SNL0094304	LWDS-MW1	0	31-AUG-94	6010	0.06	U	0.06	EB
Antimony	SNL0094415	LWDS-MW2	0	07-DEC-94	6010	0.06	U	0.06	EB
Antimony	SNL0094621	LWDS MW-2	0	01-MAR-95	6010	0.06	U	0.06	EB
Antimony	SNL0094750	LWDS-MW2	0	12-JUN-95	6010	0.06	U	0.06	EB
Antimony	SNL0099067	LWDS-MW2	0	24-JUN-93	6010	0.06	U	0.06	EB
Antimony-124	SNL0094220	LWDS-04-BH09-EB	0	18-MAR-94	GAMMA	0.0134	U	0.0134	EB
Antimony-124	SNL0094223	LWDS-04-BH10-EB	0	19-MAR-94	GAMMA	0.01534	U	0.01534	EB
Antimony-124	SNL0094226	LWDS-05-BH11-EB	0	20-MAR-94	GAMMA	0.0125	U	0.0125	EB
Antimony-124	SNL0094227	LWDS-MW1	0	06-JUN-94	GAMMA	0.0104	U	0.0104	EB
Antimony-124	SNL0094243	LWDS-MW2	0	07-DEC-94	GAMMA	0.0114	U	0.0114	EB
Antimony-124	SNL0094247	LWDS-MW1	0	08-DEC-94	GAMMA	0.0119	U	0.0119	FB
Antimony-125	SNL0091301	LWDS-04-BH01	0	09-AUG-92	GAMMA	57.2	<	57.2	EB
Antimony-125	SNL0091518	LWDS-04-BH01	0	08-AUG-92	GAMMA	63.9	<	63.9	EB
Antimony-125	SNL0091526	LWDS-04-BH02	0	10-AUG-92	GAMMA	52.6	<	52.6	EB
Antimony-125	SNL0091574	LWDS-04-BH02	0	11-AUG-92	GAMMA	46	<	46	EB
Antimony-125	SNL0091682	LWDS-04-BH03	0	12-AUG-92	GAMMA	28.8	<	28.8	EB
Antimony-125	SNL0091733	LWDS-04-BH03	0	13-AUG-92	GAMMA	54.9	<	54.9	EB
Antimony-125	SNL0091789	LWDS-04-BH04	0	18-AUG-92	GAMMA	25.1	<	25.1	EB
Antimony-125	SNL0091925	LWDS-04-BH04	0	19-AUG-92	GAMMA	50.3	<	50.3	EB
Antimony-125	SNL0092176	LWDS-04-BH05	0	20-AUG-92	GAMMA	60.4	<	60.4	EB
Antimony-125	SNL0092208	LWDS-MW1	0	24-AUG-92	GAMMA	46.5	<	46.5	EB
Antimony-125	SNL0092216	LWDS-MW1	0	22-AUG-92	GAMMA	54.8	<	54.8	EB
Antimony-125	SNL0092323	LWDS-MW1	0	23-AUG-92	GAMMA	30.6	<	30.6	EB
Antimony-125	SNL0092349	LWDS-MW1	0	25-AUG-92	GAMMA	27.3	<	27.3	EB
Antimony-125	SNL0092373	LWDS-52-BH06	0	05-SEP-92	GAMMA	29.6	<	29.6	EB
Antimony-125	SNL0092417	LWDS-52-BH08	0	05-SEP-92	GAMMA	24.3	<	24.3	EB
Antimony-125	SNL0092506	LWDS-52-BH07	0	07-SEP-92	GAMMA	31.1	<	31.1	EB
Antimony-125	SNL0092538	LWDS-MW2	0	07-SEP-92	GAMMA	39.7	<	39.7	EB
Antimony-125	SNL0092684	LWDS-52-BH07	0	06-SEP-92	GAMMA	35.5	<	35.5	EB

Table A-13. Trip blank and equipment blank results for ER Sites 4, 5, and 52.

Analyte	Sample Number	Sample Location	Sample Depth (Ft)	Sample Date	Analytical Method	Amount Detected (mg/L)	Qualifier	Method Detection Limit	Sample Type
Antimony-125	SNL0092793	LWDS-MW2	0	23-SEP-92	GAMMA	20.1	<	20.1	EB
Antimony-125	SNL0092873	LWDS-MW2	0	08-OCT-92	GAMMA	20.1	<	20.1	EB
Antimony-125	SNL0094220	LWDS-04-BH09-EB	0	18-MAR-94	GAMMA	0.0341	U	0.0341	EB
Antimony-125	SNL0094223	LWDS-04-BH10-EB	0	19-MAR-94	GAMMA	0.03885	U	0.03885	EB
Antimony-125	SNL0094226	LWDS-05-BH11-EB	0	20-MAR-94	GAMMA	0.0362	U	0.0362	EB
Antimony-125	SNL0094227	LWDS-MW1	0	06-JUN-94	GAMMA	0.027	U	0.027	EB
Antimony-125	SNL0094243	LWDS-MW2	0	07-DEC-94	GAMMA	0.0264	U	0.0264	EB
Antimony-125	SNL0094247	LWDS-MW1	0	08-DEC-94	GAMMA	0.0285	U	0.0285	FB
Antimony-126	SNL0094220	LWDS-04-BH09-EB	0	18-MAR-94	GAMMA	0.00971	U	0.00971	EB
Antimony-126	SNL0094223	LWDS-04-BH10-EB	0	19-MAR-94	GAMMA	0.01692	U	0.01692	EB
Antimony-126	SNL0094226	LWDS-05-BH11-EB	0	20-MAR-94	GAMMA	0.0114	U	0.0114	EB
Antimony-126	SNL0094227	LWDS-MW1	0	06-JUN-94	GAMMA	0.00922	U	0.00922	EB
Antimony-126	SNL0094243	LWDS-MW2	0	07-DEC-94	GAMMA	0.0105	U	0.0105	EB
Antimony-126	SNL0094247	LWDS-MW1	0	08-DEC-94	GAMMA	0.0125	U	0.0125	FB
Arsenic	SNL0091303	LWDS-04-BH01	0	09-AUG-92	7060	0.005	U	0.005	EB
Arsenic	SNL0091520	LWDS-04-BH01	0	08-AUG-92	7060	0.005	U	0.005	EB
Arsenic	SNL0091529	LWDS-04-BH02	0	10-AUG-92	7060	0.005	U	0.005	EB
Arsenic	SNL0091577	LWDS-04-BH02	0	11-AUG-92	7060	0.005	U	0.005	EB
Arsenic	SNL0091685	LWDS-04-BH03	0	12-AUG-92	7060	0.005	U	0.005	EB
Arsenic	SNL0091736	LWDS-04-BH03	0	13-AUG-92	7060	0.005	U	0.005	EB
Arsenic	SNL0091792	LWDS-04-BH04	0	18-AUG-92	7060	0.005	U	0.005	EB
Arsenic	SNL0091928	LWDS-04-BH04	0	19-AUG-92	7060	0.08	U	0.08	EB
Arsenic	SNL0092179	LWDS-04-BH05	0	20-AUG-92	7060	0.005	U	0.005	EB
Arsenic	SNL0092211	LWDS-MW1	0	24-AUG-92	7060	0.005	U	0.005	EB
Arsenic	SNL0092219	LWDS-MW1	0	22-AUG-92	7060	0.005	U	0.005	EB
Arsenic	SNL0092326	LWDS-MW1	0	23-AUG-92	7060	0.005	U	0.005	EB
Arsenic	SNL0092352	LWDS-MW1	0	25-AUG-92	7060	0.005	U	0.005	EB
Arsenic	SNL0092375	LWDS-52-BH06	0	05-SEP-92	7060	0.005	U	0.005	EB
Arsenic	SNL0092419	LWDS-52-BH08	0	05-SEP-92	7060	0.005	U	0.005	EB
Arsenic	SNL0092508	LWDS-52-BH07	0	07-SEP-92	7060	0.005	U	0.005	EB
Arsenic	SNL0092533	LWDS-MW2	0	07-SEP-92	7060	0.005	U	0.005	EB
Arsenic	SNL0092686	LWDS-52-BH07	0	06-SEP-92	7060	0.005	U	0.005	EB
Arsenic	SNL0092796	LWDS-MW2	0	23-SEP-92	7060	0.01	U	0.01	EB
Arsenic	SNL0092876	LWDS-MW2	0	08-OCT-92	7060	0.005	U	0.005	EB
Arsenic	SNL0093108	LWDS-MW1	0	28-APR-93	7060	0.005	U	0.005	EB
Arsenic	SNL0093239	LWDS-04-BH09	0	18-MAR-94	7060	0.001	J	0.005	EB
Arsenic	SNL0093277	LWDS-04-BH10	0	19-MAR-94	7060	0.005	U	0.005	EB
Arsenic	SNL0093460	LWDS-05-BH12	0	21-MAR-94	7060	0.005	U	0.005	EB
Arsenic	SNL0093577	LWDS-05-BH11	0	20-MAR-94	7060	0.005	U	0.005	EB
Arsenic	SNL0093617	LWDS-52-BH16	0	24-MAR-94	7060	0.005	U	0.005	EB
Arsenic	SNL0093649	LWDS-05-BH14	0	23-MAR-94	7060	0.005	U	0.005	EB
Arsenic	SNL0093708	LWDS-52-BH15	0	23-MAR-94	7060	0.005	U	0.005	EB
Arsenic	SNL0094027	LWDS-MW2	0	09-MAR-94	7061	0.002	U	0.002	EB
Arsenic	SNL0094284	LWDS-MW1	0	06-JUN-94	7061	0.002	U	0.002	EB
Arsenic	SNL0094305	LWDS-MW1	0	31-AUG-94	7060	0.025	U	0.025	EB
Arsenic	SNL0094416	LWDS-MW2	0	07-DEC-94	6020	0.01	U	0.01	EB
Arsenic	SNL0094622	LWDS MW-2	0	01-MAR-95	6020	0.01	U	0.01	EB
Arsenic	SNL0094751	LWDS-MW2	0	12-JUN-95	6020	0.01	U	0.01	EB
Arsenic	SNL0099068	LWDS-MW2	0	24-JUN-93	7061	0.002	U	0.002	EB
Barium	SNL0091302	LWDS-04-BH01	0	09-AUG-92	6010	0.079		0.01	EB
Barium	SNL0091519	LWDS-04-BH01	0	08-AUG-92	6010	0.01	U	0.01	EB
Barium	SNL0091528	LWDS-04-BH02	0	10-AUG-92	6010	0.024		0.01	EB
Barium	SNL0091576	LWDS-04-BH02	0	11-AUG-92	6010	0.01	U	0.01	EB
Barium	SNL0091684	LWDS-04-BH03	0	12-AUG-92	6010	0.01	U	0.01	EB
Barium	SNL0091735	LWDS-04-BH03	0	13-AUG-92	6010	0.01	U	0.01	EB
Barium	SNL0091791	LWDS-04-BH04	0	18-AUG-92	6010	0.01	U	0.01	EB
Barium	SNL0091927	LWDS-04-BH04	0	19-AUG-92	6010	0.01	U	0.01	EB
Barium	SNL0092178	LWDS-04-BH05	0	20-AUG-92	6010	0.01	U	0.01	EB
Barium	SNL0092210	LWDS-MW1	0	24-AUG-92	6010	0.01	U	0.01	EB
Barium	SNL0092218	LWDS-MW1	0	22-AUG-92	6010	0.01	U	0.01	EB
Barium	SNL0092325	LWDS-MW1	0	23-AUG-92	6010	0.01	U	0.01	EB
Barium	SNL0092351	LWDS-MW1	0	25-AUG-92	6010	0.024		0.01	EB
Barium	SNL0092374	LWDS-52-BH06	0	05-SEP-92	6010	0.01	U	0.01	EB
Barium	SNL0092418	LWDS-52-BH08	0	05-SEP-92	6010	0.01	U	0.01	EB
Barium	SNL0092507	LWDS-52-BH07	0	07-SEP-92	6010	0.01	U	0.01	EB
Barium	SNL0092532	LWDS-MW2	0	07-SEP-92	6010	0.01	U	0.01	EB
Barium	SNL0092685	LWDS-52-BH07	0	06-SEP-92	6010	0.01	U	0.01	EB
Barium	SNL0092795	LWDS-MW2	0	23-SEP-92	6010	0.97		0.01	EB

Table A-13. Trip blank and equipment blank results for ER Sites 4, 5, and 52.

Analyte	Sample Number	Sample Location	Sample Depth (Ft)	Sample Date	Analytical Method	Amount Detected (mg/L)	Qualifier	Method Detection Limit	Sample Type
Barium	SNL0092875	LWDS-MW2	0	08-OCT-92	6010	0.01	U	0.01	EB
Barium	SNL0093107	LWDS-MW1	0	28-APR-93	6010	0.0046	J	0.01	EB
Barium	SNL0093238	LWDS-04-BH09	0	18-MAR-94	6010	0.01	U	0.01	EB
Barium	SNL0093276	LWDS-04-BH10	0	19-MAR-94	6010	0.01	U	0.01	EB
Barium	SNL0093369	LWDS-05-BH13	0	22-MAR-94	6010	0.01	U	0.01	EB
Barium	SNL0093459	LWDS-05-BH12	0	21-MAR-94	6010	0.01	U	0.01	EB
Barium	SNL0093576	LWDS-05-BH11	0	20-MAR-94	6010	0.01	U	0.01	EB
Barium	SNL0093616	LWDS-52-BH16	0	24-MAR-94	6010	0.01	U	0.01	EB
Barium	SNL0093648	LWDS-05-BH14	0	23-MAR-94	6010	0.01	U	0.01	EB
Barium	SNL0093707	LWDS-52-BH15	0	23-MAR-94	6010	0.01	U	0.01	EB
Barium	SNL0094026	LWDS-MW2	0	09-MAR-94	6010	0.02	U	0.02	EB
Barium	SNL0094283	LWDS-MW1	0	06-JUN-94	6010	0.02	U	0.02	EB
Barium	SNL0094304	LWDS-MW1	0	31-AUG-94	6010	0.2	U	0.2	EB
Barium	SNL0094415	LWDS-MW2	0	07-DEC-94	6010	0.2	U	0.2	EB
Barium	SNL0094621	LWDS MW-2	0	01-MAR-95	6010	0.2	U	0.2	EB
Barium	SNL0094750	LWDS-MW2	0	12-JUN-95	6010	0.2	U	0.2	EB
Barium	SNL0099067	LWDS-MW2	0	24-JUN-93	6010	0.02	U	0.02	EB
Barium-133	SNL0091301	LWDS-04-BH01	0	09-AUG-92	GAMMA	14.8	<	14.8	EB
Barium-133	SNL0091518	LWDS-04-BH01	0	08-AUG-92	GAMMA	17.1	<	17.1	EB
Barium-133	SNL0091526	LWDS-04-BH02	0	10-AUG-92	GAMMA	27.4	<	27.4	EB
Barium-133	SNL0091574	LWDS-04-BH02	0	11-AUG-92	GAMMA	27.8	<	27.8	EB
Barium-133	SNL0091682	LWDS-04-BH03	0	12-AUG-92	GAMMA	15	<	15	EB
Barium-133	SNL0091733	LWDS-04-BH03	0	13-AUG-92	GAMMA	25.9	<	25.9	EB
Barium-133	SNL0091789	LWDS-04-BH04	0	18-AUG-92	GAMMA	15.6	<	15.6	EB
Barium-133	SNL0091925	LWDS-04-BH04	0	19-AUG-92	GAMMA	32	<	32	EB
Barium-133	SNL0092176	LWDS-04-BH05	0	20-AUG-92	GAMMA	32.2	<	32.2	EB
Barium-133	SNL0092208	LWDS-MW1	0	24-AUG-92	GAMMA	24.5	<	24.5	EB
Barium-133	SNL0092216	LWDS-MW1	0	22-AUG-92	GAMMA	29.4	<	29.4	EB
Barium-133	SNL0092323	LWDS-MW1	0	23-AUG-92	GAMMA	11.9	<	11.9	EB
Barium-133	SNL0092349	LWDS-MW1	0	25-AUG-92	GAMMA	11.6	<	11.6	EB
Barium-133	SNL0092373	LWDS-52-BH06	0	05-SEP-92	GAMMA	11	<	11	EB
Barium-133	SNL0092417	LWDS-52-BH08	0	05-SEP-92	GAMMA	12.5	<	12.5	EB
Barium-133	SNL0092506	LWDS-52-BH07	0	07-SEP-92	GAMMA	15.9	<	15.9	EB
Barium-133	SNL0092538	LWDS-MW2	0	07-SEP-92	GAMMA	13.1	<	13.1	EB
Barium-133	SNL0092684	LWDS-52-BH07	0	06-SEP-92	GAMMA	7.72	<	7.72	EB
Barium-133	SNL0092793	LWDS-MW2	0	23-SEP-92	GAMMA	14.6	<	14.6	EB
Barium-133	SNL0092873	LWDS-MW2	0	08-OCT-92	GAMMA	12.9	<	12.9	EB
Barium-133	SNL0094220	LWDS-04-BH09-EB	0	18-MAR-94	GAMMA	0.0152	U	0.0152	EB
Barium-133	SNL0094223	LWDS-04-BH10-EB	0	19-MAR-94	GAMMA	0.01776	U	0.01776	EB
Barium-133	SNL0094226	LWDS-05-BH11-EB	0	20-MAR-94	GAMMA	0.0134	U	0.0134	EB
Barium-133	SNL0094227	LWDS-MW1	0	06-JUN-94	GAMMA	0.0134	U	0.0134	EB
Barium-133	SNL0094243	LWDS-MW2	0	07-DEC-94	GAMMA	0.0136	U	0.0136	EB
Barium-133	SNL0094247	LWDS-MW1	0	08-DEC-94	GAMMA	0.0143	U	0.0143	FB
Barium-140	SNL0094220	LWDS-04-BH09-EB	0	18-MAR-94	GAMMA	0.0448	U	0.0448	EB
Barium-140	SNL0094223	LWDS-04-BH10-EB	0	19-MAR-94	GAMMA	0.05232	U	0.05232	EB
Barium-140	SNL0094226	LWDS-05-BH11-EB	0	20-MAR-94	GAMMA	0.0453	U	0.0453	EB
Barium-140	SNL0094227	LWDS-MW1	0	06-JUN-94	GAMMA	0.0367	U	0.0367	EB
Barium-140	SNL0094243	LWDS-MW2	0	07-DEC-94	GAMMA	0.0334	U	0.0334	EB
Barium-140	SNL0094247	LWDS-MW1	0	08-DEC-94	GAMMA	0.0502	U	0.0502	FB
Benzene	SNL0090027	LWDS-04-BH01	0	08-AUG-92	8240	5	U	5	EB
Benzene	SNL0090029	LWDS-04-BH01	0	08-AUG-92	8240	5	U	5	TB
Benzene	SNL0090030	LWDS-04-BH01	0	09-AUG-92	8240	5	U	5	EB
Benzene	SNL0090032	LWDS-04-BH01	0	09-AUG-92	8240	5	U	5	TB
Benzene	SNL0090053	LWDS-04-BH02	0	10-AUG-92	8240	5	U	5	EB
Benzene	SNL0090055	LWDS-04-BH02	0	10-AUG-92	8240	5	U	5	TB
Benzene	SNL0090162	LWDS-SS	0	16-JUL-92	8240	5	U	5	TB
Benzene	SNL0090163	LWDS-SS	0	16-JUL-92	8240	5	U	5	TB
Benzene	SNL0090416	LWDS-SS	0	16-JUL-92	8240	5	U	5	TB
Benzene	SNL0090595	LWDS-04-BH02	0	11-AUG-92	8240	5	U	5	EB
Benzene	SNL0090597	LWDS-04-BH02	0	11-AUG-92	8240	5	U	5	TB
Benzene	SNL0090622	LWDS-04-BH03	0	12-AUG-92	8240	5	U	5	EB
Benzene	SNL0090624	LWDS-04-BH03	0	12-AUG-92	8240	5	U	5	TB
Benzene	SNL0090737	LWDS-SS	0	17-JUL-92	8240	5	U	5	TB
Benzene	SNL0090934	LWDS-SS	0	17-JUL-92	8240	5	U	5	TB
Benzene	SNL0091118	LWDS-SS	0	20-JUL-92	8240	5	U	5	TB
Benzene	SNL0091157	LWDS-04-BH03	0	13-AUG-92	8240	5	U	5	EB
Benzene	SNL0091171	LWDS-04-BH04	0	18-AUG-92	8240	5	U	5	EB
Benzene	SNL0091174	LWDS-04-BH04	0	18-AUG-92	8240	5	U	5	TB

Table A-13. Trip blank and equipment blank results for ER Sites 4, 5, and 52.

Analyte	Sample Number	Sample Location	Sample Depth (Ft)	Sample Date	Analytical Method	Amount Detected (mg/L)	Qualifier	Method Detection Limit	Sample Type
Benzene	SNL0091191	LWDS-04-BH04	0	19-AUG-92	8240	5	U	5	EB
Benzene	SNL0091193	LWDS-04-BH04	0	19-AUG-92	8240	5	U	5	TB
Benzene	SNL0091242	LWDS-04-BH05	0	20-AUG-92	8240	5	U	5	TB
Benzene	SNL0091256	LWDS-04-BH05	0	20-AUG-92	8240	5	U	5	EB
Benzene	SNL0091257	LWDS-04-BH05	0	20-AUG-92	8240	5	U	5	TB
Benzene	SNL0091272	LWDS-MW1	0	23-AUG-92	8240	5	U	5	EB
Benzene	SNL0091274	LWDS-MW1	0	22-AUG-92	8240	5	U	5	EB
Benzene	SNL0091276	LWDS-MW1	0	22-AUG-92	8240	5	U	5	TB
Benzene	SNL0091291	LWDS-MW1	0	24-AUG-92	8240	5	U	5	EB
Benzene	SNL0091293	LWDS-MW1	0	24-AUG-92	8240	5	U	5	TB
Benzene	SNL0091298	LWDS-MW1	0	25-AUG-92	8240	5	U	5	EB
Benzene	SNL0091300	LWDS-MW1	0	25-AUG-92	8240	5	U	5	TB
Benzene	SNL0091933	LWDS-52-BH06	0	05-SEP-92	8240	5	U	5	EB
Benzene	SNL0091935	LWDS-52-BH06	0	05-SEP-92	8240	5	U	5	TB
Benzene	SNL0091944	LWDS-52-BH08	0	05-SEP-92	8240	5	U	5	EB
Benzene	SNL0092723	LWDS-MW2	0	18-SEP-92	8240	5	U	5	TB
Benzene	SNL0092746	LWDS-MW2	0	21-SEP-92	8240	5	U	5	TB
Benzene	SNL0092791	LWDS-MW2	0	23-SEP-92	8240	5	U	5	EB
Benzene	SNL0092801	LWDS-MW2	0	23-SEP-92	8240	5	U	5	TB
Benzene	SNL0092835	LWDS-MW2	0	24-SEP-92	8240	5	U	5	TB
Benzene	SNL0092847	LWDS-MW2	0	01-OCT-92	8240	5	U	5	TB
Benzene	SNL0092859	LWDS-MW2	0	02-OCT-92	8240	5	U	5	TB
Benzene	SNL0092871	LWDS-MW2	0	08-OCT-92	8240	5	U	5	EB
Benzene	SNL0092881	LWDS-MW2	0	08-OCT-92	8240	5	U	5	TB
Benzene	SNL0092948	LWDS-MW2	0	17-OCT-92	8240	5	U	5	TB
Benzene	SNL0092970	LWDS-MW2	0	21-OCT-92	8240	5	U	5	TB
Benzene	SNL0092989	LWDS-MW1	0	06-APR-93	8240	5	U	5	TB
Benzene	SNL0093002	LWDS-MW1	0	08-APR-93	8240	5	U	5	TB
Benzene	SNL0093003	LWDS-MW1	0	13-APR-93	8240	5	U	5	TB
Benzene	SNL0093013	LWDS-MW1	0	14-APR-93	8240	5	U	5	TB
Benzene	SNL0093035	LWDS-MW1	0	15-APR-93	8240	5	U	5	TB
Benzene	SNL0093045	LWDS-MW1	0	17-APR-93	8240	5	U	5	TB
Benzene	SNL0093082	LWDS-MW1	0	21-APR-93	8240	5	U	5	TB
Benzene	SNL0093092	LWDS-MW1	0	27-APR-93	8240	5	U	5	TB
Benzene	SNL0093105	LWDS-MW1	0	28-APR-93	8240	5	U	5	EB
Benzene	SNL0093114	LWDS-MW1	0	28-APR-93	8240	5	U	5	TB
Benzene	SNL0093124	LWDS-MW1	0	30-APR-93	8240	5	U	5	TB
Benzene	SNL0093135	LWDS-MW1	0	03-MAY-93	8240	5	U	5	TB
Benzene	SNL0093236	LWDS-04-BH09	0	18-MAR-94	8240	5	U	5	EB
Benzene	SNL0093244	LWDS-04-BH09	0	18-MAR-94	8240	5	U	5	TB
Benzene	SNL0093245	LWDS-04-BH09	0	18-MAR-94	8240	5	U	5	TB
Benzene	SNL0093274	LWDS-04-BH10	0	19-MAR-94	8240	5	U	5	EB
Benzene	SNL0093285	LWDS-04-BH10	0	19-MAR-94	8240	5	U	5	TB
Benzene	SNL0093286	LWDS-04-BH10	0	19-MAR-94	8240	5	U	5	TB
Benzene	SNL0093367	LWDS-05-BH13	0	22-MAR-94	8240	5	U	5	EB
Benzene	SNL0093375	LWDS-05-BH13	0	22-MAR-94	8240	5	U	5	TB
Benzene	SNL0093376	LWDS-05-BH13	0	22-MAR-94	8240	5	U	5	TB
Benzene	SNL0093457	LWDS-05-BH12	0	21-MAR-94	8240	5	U	5	EB
Benzene	SNL0093465	LWDS-05-BH12	0	21-MAR-94	8240	5	U	5	TB
Benzene	SNL0093466	LWDS-05-BH12	0	21-MAR-94	8240	5	U	5	TB
Benzene	SNL0093572	LWDS-05-BH11	0	20-MAR-94	8240	5	U	5	TB
Benzene	SNL0093573	LWDS-05-BH11	0	20-MAR-94	8240	5	U	5	TB
Benzene	SNL0093574	LWDS-05-BH11	0	20-MAR-94	8240	5	U	5	EB
Benzene	SNL0093614	LWDS-52-BH16	0	24-MAR-94	8240	5	U	5	EB
Benzene	SNL0093622	LWDS-52-BH16	0	24-MAR-94	8240	5	U	5	TB
Benzene	SNL0093646	LWDS-05-BH14	0	23-MAR-94	8240	5	U	5	EB
Benzene	SNL0093654	LWDS-05-BH14	0	23-MAR-94	8240	5	U	5	TB
Benzene	SNL0093655	LWDS-05-BH14	0	23-MAR-94	8240	5	U	5	TB
Benzene	SNL0093705	LWDS-52-BH15	0	23-MAR-94	8240	5	U	5	EB
Benzene	SNL0094080	LWDS-MW1	0	10-MAR-94	8240	0.005	U	0.005	TB
Benzene	SNL0094280	LWDS-MW1	0	31-MAY-94	8260	0.001	U	0.001	TB
Benzene	SNL0094281	LWDS-MW1	0	06-JUN-94	8260	0.001	U	0.001	EB
Benzene	SNL0094298	LWDS-MW1	0	31-MAY-94	8260	0.001	U	0.001	TB
Benzene	SNL0094302	LWDS-MW1	0	31-AUG-94	8260	0.001	U	0.001	EB
Benzene	SNL0094317	LWDS-MW1	0	24-AUG-94	8260	0.001	U	0.001	TB
Benzene	SNL0094348	LWDS-MW1	0	24-AUG-94	8260	0.005	U	0.005	TB
Benzene	SNL0094411	LWDS-MW2	0	06-JUN-94	8260	0.001	U	0.001	TB
Benzene	SNL0094466	LWDS-MW1	0	18-MAR-96	8020	0.5	U	0.5	TB

Table A-13. Trip blank and equipment blank results for ER Sites 4, 5, and 52.

Analyte	Sample Number	Sample Location	Sample Depth (Ft)	Sample Date	Analytical Method	Amount Detected (mg/L)	Qualifier	Method Detection Limit	Sample Type
Benzene	SNL0094543	LWDS-MW2	0	14-DEC-95	8260	1	U	1	TB
Benzene	SNL0094618	LWDS MW-2	0	27-FEB-95	8240	0.005	U	0.005	TB
Benzene	SNL0094619	LWDS MW-2	0	01-MAR-95	8240	0.005	U	0.005	EB
Benzene	SNL0094667	LWDS MW-1	0	02-MAR-95	8240	0.005	U	0.005	TB
Benzene	SNL0099096	LWDS-MW2	0	24-JUN-93	8240	0.005	U	0.005	EB
Benzene	SNL0099097	LWDS-MW2	0	24-JUN-93	8240	0.005	U	0.005	TB
Benzene	SNL0099118	LWDS-MW1-DRUM	0	27-DEC-93	624	0.005	U	0.005	TB
Benzene	031518-001	LWDS-MW1-TB		12-MAR-96	PA-SW846-80	0.065	U	0.065	TB
Benzidine	SNL0094017	LWDS-MW2	0	11-MAR-94	8270	0.08	U	0.08	EB
Benzidine	SNL0094282	LWDS-MW1	0	06-JUN-94	8270	0.08	U	0.08	EB
Benzidine	SNL0094303	LWDS-MW1	0	31-AUG-94	8270	0.08	U	0.08	EB
Benzidine	SNL0094414	LWDS-MW2	0	07-DEC-94	8270	0.08	U	0.08	EB
Benzidine	SNL0094620	LWDS MW-2	0	01-MAR-95	8270	0.08	U	0.08	EB
Benzidine	SNL0094749	LWDS-MW2	0	12-JUN-95	8270	0.08	U	0.08	EB
Benzidine	SNL0099100	LWDS-MW2	0	24-JUN-93	8270	0.08	U	0.08	EB
Benzo(a)anthracene	SNL0090028	LWDS-04-BH01	0	08-AUG-92	8270	10	U	10	EB
Benzo(a)anthracene	SNL0090031	LWDS-04-BH01	0	09-AUG-92	8270	10	U	10	EB
Benzo(a)anthracene	SNL0090054	LWDS-04-BH02	0	10-AUG-92	8270	10	U	10	EB
Benzo(a)anthracene	SNL0090596	LWDS-04-BH02	0	11-AUG-92	8270	10	U	10	EB
Benzo(a)anthracene	SNL0090623	LWDS-04-BH03	0	12-AUG-92	8270	10	U	10	EB
Benzo(a)anthracene	SNL0091158	LWDS-04-BH03	0	13-AUG-92	8270	10	U	10	EB
Benzo(a)anthracene	SNL0091172	LWDS-04-BH04	0	18-AUG-92	8270	10	U	10	EB
Benzo(a)anthracene	SNL0091173	LWDS-04-BH04	0	18-AUG-92	8270	11	U	11	EB
Benzo(a)anthracene	SNL0091192	LWDS-04-BH04	0	19-AUG-92	8270	10	U	10	EB
Benzo(a)anthracene	SNL0091255	LWDS-04-BH05	0	20-AUG-92	8270	10	U	10	EB
Benzo(a)anthracene	SNL0091273	LWDS-MW1	0	23-AUG-92	8270	10	U	10	EB
Benzo(a)anthracene	SNL0091275	LWDS-MW1	0	22-AUG-92	8270	10	U	10	EB
Benzo(a)anthracene	SNL0091292	LWDS-MW1	0	24-AUG-92	8270	10	U	10	EB
Benzo(a)anthracene	SNL0091299	LWDS-MW1	0	25-AUG-92	8270	10	U	10	EB
Benzo(a)anthracene	SNL0091934	LWDS-52-BH06	0	05-SEP-92	8270	10	U	10	EB
Benzo(a)anthracene	SNL0091945	LWDS-52-BH08	0	05-SEP-92	8270	10	U	10	EB
Benzo(a)anthracene	SNL0092792	LWDS-MW2	0	23-SEP-92	8270	10	U	10	EB
Benzo(a)anthracene	SNL0092872	LWDS-MW2	0	08-OCT-92	8270	10	U	10	EB
Benzo(a)anthracene	SNL0093106	LWDS-MW1	0	28-APR-93	8270	10	U	10	EB
Benzo(a)anthracene	SNL0093237	LWDS-04-BH09	0	18-MAR-94	8270	10	U	10	EB
Benzo(a)anthracene	SNL0093275	LWDS-04-BH10	0	19-MAR-94	8270	10	U	10	EB
Benzo(a)anthracene	SNL0093368	LWDS-05-BH13	0	22-MAR-94	8270	10	U	10	EB
Benzo(a)anthracene	SNL0093458	LWDS-05-BH12	0	21-MAR-94	8270	10	U	10	EB
Benzo(a)anthracene	SNL0093575	LWDS-05-BH11	0	20-MAR-94	8270	10	U	10	EB
Benzo(a)anthracene	SNL0093615	LWDS-52-BH16	0	24-MAR-94	8270	10	U	10	EB
Benzo(a)anthracene	SNL0093647	LWDS-05-BH14	0	23-MAR-94	8270	10	U	10	EB
Benzo(a)anthracene	SNL0093706	LWDS-52-BH15	0	23-MAR-94	8270	10	U	10	EB
Benzo(a)anthracene	SNL0094017	LWDS-MW2	0	11-MAR-94	8270	0.01	U	0.01	EB
Benzo(a)anthracene	SNL0094282	LWDS-MW1	0	06-JUN-94	8270	0.01	U	0.01	EB
Benzo(a)anthracene	SNL0094303	LWDS-MW1	0	31-AUG-94	8270	0.01	U	0.01	EB
Benzo(a)anthracene	SNL0094414	LWDS-MW2	0	07-DEC-94	8270	0.01	U	0.01	EB
Benzo(a)anthracene	SNL0094620	LWDS MW-2	0	01-MAR-95	8270	0.01	U	0.01	EB
Benzo(a)anthracene	SNL0094749	LWDS-MW2	0	12-JUN-95	8270	0.01	U	0.01	EB
Benzo(a)anthracene	SNL0099100	LWDS-MW2	0	24-JUN-93	8270	0.01	U	0.01	EB
Benzo(a)pyrene	SNL0090028	LWDS-04-BH01	0	08-AUG-92	8270	10	U	10	EB
Benzo(a)pyrene	SNL0090031	LWDS-04-BH01	0	09-AUG-92	8270	10	U	10	EB
Benzo(a)pyrene	SNL0090054	LWDS-04-BH02	0	10-AUG-92	8270	10	U	10	EB
Benzo(a)pyrene	SNL0090596	LWDS-04-BH02	0	11-AUG-92	8270	10	U	10	EB
Benzo(a)pyrene	SNL0090623	LWDS-04-BH03	0	12-AUG-92	8270	10	U	10	EB
Benzo(a)pyrene	SNL0091158	LWDS-04-BH03	0	13-AUG-92	8270	10	U	10	EB
Benzo(a)pyrene	SNL0091172	LWDS-04-BH04	0	18-AUG-92	8270	10	U	10	EB
Benzo(a)pyrene	SNL0091173	LWDS-04-BH04	0	18-AUG-92	8270	11	U	11	EB
Benzo(a)pyrene	SNL0091192	LWDS-04-BH04	0	19-AUG-92	8270	10	U	10	EB
Benzo(a)pyrene	SNL0091255	LWDS-04-BH05	0	20-AUG-92	8270	10	U	10	EB
Benzo(a)pyrene	SNL0091273	LWDS-MW1	0	23-AUG-92	8270	10	U	10	EB
Benzo(a)pyrene	SNL0091275	LWDS-MW1	0	22-AUG-92	8270	10	U	10	EB
Benzo(a)pyrene	SNL0091292	LWDS-MW1	0	24-AUG-92	8270	10	U	10	EB
Benzo(a)pyrene	SNL0091299	LWDS-MW1	0	25-AUG-92	8270	10	U	10	EB
Benzo(a)pyrene	SNL0091934	LWDS-52-BH06	0	05-SEP-92	8270	10	U	10	EB
Benzo(a)pyrene	SNL0091945	LWDS-52-BH08	0	05-SEP-92	8270	10	U	10	EB
Benzo(a)pyrene	SNL0092792	LWDS-MW2	0	23-SEP-92	8270	10	U	10	EB
Benzo(a)pyrene	SNL0092872	LWDS-MW2	0	08-OCT-92	8270	10	U	10	EB
Benzo(a)pyrene	SNL0093106	LWDS-MW1	0	28-APR-93	8270	10	U	10	EB

Table A-13. Trip blank and equipment blank results for ER Sites 4, 5, and 52.

Analyte	Sample Number	Sample Location	Sample Depth (Ft)	Sample Date	Analytical Method	Amount Detected (mg/L)	Qualifier	Method Detection Limit	Sample Type
Benzo(a)pyrene	SNL0093237	LWDS-04-BH09	0	18-MAR-94	8270	10	U	10	EB
Benzo(a)pyrene	SNL0093275	LWDS-04-BH10	0	19-MAR-94	8270	10	U	10	EB
Benzo(a)pyrene	SNL0093368	LWDS-05-BH13	0	22-MAR-94	8270	10	U	10	EB
Benzo(a)pyrene	SNL0093458	LWDS-05-BH12	0	21-MAR-94	8270	10	U	10	EB
Benzo(a)pyrene	SNL0093575	LWDS-05-BH11	0	20-MAR-94	8270	10	U	10	EB
Benzo(a)pyrene	SNL0093615	LWDS-52-BH16	0	24-MAR-94	8270	10	U	10	EB
Benzo(a)pyrene	SNL0093647	LWDS-05-BH14	0	23-MAR-94	8270	10	U	10	EB
Benzo(a)pyrene	SNL0093706	LWDS-52-BH15	0	23-MAR-94	8270	10	U	10	EB
Benzo(a)pyrene	SNL0094017	LWDS-MW2	0	11-MAR-94	8270	0.01	U	0.01	EB
Benzo(a)pyrene	SNL0094282	LWDS-MW1	0	06-JUN-94	8270	0.01	U	0.01	EB
Benzo(a)pyrene	SNL0094303	LWDS-MW1	0	31-AUG-94	8270	0.01	U	0.01	EB
Benzo(a)pyrene	SNL0094414	LWDS-MW2	0	07-DEC-94	8270	0.01	U	0.01	EB
Benzo(a)pyrene	SNL0094620	LWDS MW-2	0	01-MAR-95	8270	0.01	U	0.01	EB
Benzo(a)pyrene	SNL0094749	LWDS-MW2	0	12-JUN-95	8270	0.01	U	0.01	EB
Benzo(a)pyrene	SNL0099100	LWDS-MW2	0	24-JUN-93	8270	0.01	U	0.01	EB
Benzo(b)fluoranthene	SNL0090028	LWDS-04-BH01	0	08-AUG-92	8270	10	U	10	EB
Benzo(b)fluoranthene	SNL0090031	LWDS-04-BH01	0	09-AUG-92	8270	10	U	10	EB
Benzo(b)fluoranthene	SNL0090054	LWDS-04-BH02	0	10-AUG-92	8270	10	U	10	EB
Benzo(b)fluoranthene	SNL0090596	LWDS-04-BH02	0	11-AUG-92	8270	10	U	10	EB
Benzo(b)fluoranthene	SNL0090623	LWDS-04-BH03	0	12-AUG-92	8270	10	U	10	EB
Benzo(b)fluoranthene	SNL0091158	LWDS-04-BH03	0	13-AUG-92	8270	10	U	10	EB
Benzo(b)fluoranthene	SNL0091172	LWDS-04-BH04	0	18-AUG-92	8270	10	U	10	EB
Benzo(b)fluoranthene	SNL0091173	LWDS-04-BH04	0	18-AUG-92	8270	11	U	11	EB
Benzo(b)fluoranthene	SNL0091192	LWDS-04-BH04	0	19-AUG-92	8270	10	U	10	EB
Benzo(b)fluoranthene	SNL0091255	LWDS-04-BH05	0	20-AUG-92	8270	10	U	10	EB
Benzo(b)fluoranthene	SNL0091273	LWDS-MW1	0	23-AUG-92	8270	10	U	10	EB
Benzo(b)fluoranthene	SNL0091275	LWDS-MW1	0	22-AUG-92	8270	10	U	10	EB
Benzo(b)fluoranthene	SNL0091292	LWDS-MW1	0	24-AUG-92	8270	10	U	10	EB
Benzo(b)fluoranthene	SNL0091299	LWDS-MW1	0	25-AUG-92	8270	10	U	10	EB
Benzo(b)fluoranthene	SNL0091934	LWDS-52-BH06	0	05-SEP-92	8270	10	U	10	EB
Benzo(b)fluoranthene	SNL0091945	LWDS-52-BH08	0	05-SEP-92	8270	10	U	10	EB
Benzo(b)fluoranthene	SNL0092792	LWDS-MW2	0	23-SEP-92	8270	10	U	10	EB
Benzo(b)fluoranthene	SNL0092872	LWDS-MW2	0	08-OCT-92	8270	10	U	10	EB
Benzo(b)fluoranthene	SNL0093106	LWDS-MW1	0	28-APR-93	8270	10	U	10	EB
Benzo(b)fluoranthene	SNL0093237	LWDS-04-BH09	0	18-MAR-94	8270	10	U	10	EB
Benzo(b)fluoranthene	SNL0093275	LWDS-04-BH10	0	19-MAR-94	8270	10	U	10	EB
Benzo(b)fluoranthene	SNL0093368	LWDS-05-BH13	0	22-MAR-94	8270	10	U	10	EB
Benzo(b)fluoranthene	SNL0093458	LWDS-05-BH12	0	21-MAR-94	8270	10	U	10	EB
Benzo(b)fluoranthene	SNL0093575	LWDS-05-BH11	0	20-MAR-94	8270	10	U	10	EB
Benzo(b)fluoranthene	SNL0093615	LWDS-52-BH16	0	24-MAR-94	8270	10	U	10	EB
Benzo(b)fluoranthene	SNL0093647	LWDS-05-BH14	0	23-MAR-94	8270	10	U	10	EB
Benzo(b)fluoranthene	SNL0093706	LWDS-52-BH15	0	23-MAR-94	8270	10	U	10	EB
Benzo(b)fluoranthene	SNL0094017	LWDS-MW2	0	11-MAR-94	8270	0.01	U	0.01	EB
Benzo(b)fluoranthene	SNL0094282	LWDS-MW1	0	06-JUN-94	8270	0.01	U	0.01	EB
Benzo(b)fluoranthene	SNL0094303	LWDS-MW1	0	31-AUG-94	8270	0.01	U	0.01	EB
Benzo(b)fluoranthene	SNL0094414	LWDS-MW2	0	07-DEC-94	8270	0.01	U	0.01	EB
Benzo(b)fluoranthene	SNL0094620	LWDS MW-2	0	01-MAR-95	8270	0.01	U	0.01	EB
Benzo(b)fluoranthene	SNL0094749	LWDS-MW2	0	12-JUN-95	8270	0.01	U	0.01	EB
Benzo(b)fluoranthene	SNL0099100	LWDS-MW2	0	24-JUN-93	8270	0.01	U	0.01	EB
Benzo(ghi)perylene	SNL0090028	LWDS-04-BH01	0	08-AUG-92	8270	10	U	10	EB
Benzo(ghi)perylene	SNL0090031	LWDS-04-BH01	0	09-AUG-92	8270	10	U	10	EB
Benzo(ghi)perylene	SNL0090054	LWDS-04-BH02	0	10-AUG-92	8270	10	U	10	EB
Benzo(ghi)perylene	SNL0090596	LWDS-04-BH02	0	11-AUG-92	8270	10	U	10	EB
Benzo(ghi)perylene	SNL0090623	LWDS-04-BH03	0	12-AUG-92	8270	10	U	10	EB
Benzo(ghi)perylene	SNL0091158	LWDS-04-BH03	0	13-AUG-92	8270	10	U	10	EB
Benzo(ghi)perylene	SNL0091172	LWDS-04-BH04	0	18-AUG-92	8270	10	U	10	EB
Benzo(ghi)perylene	SNL0091173	LWDS-04-BH04	0	18-AUG-92	8270	11	U	11	EB
Benzo(ghi)perylene	SNL0091192	LWDS-04-BH04	0	19-AUG-92	8270	10	U	10	EB
Benzo(ghi)perylene	SNL0091255	LWDS-04-BH05	0	20-AUG-92	8270	10	U	10	EB
Benzo(ghi)perylene	SNL0091273	LWDS-MW1	0	23-AUG-92	8270	10	U	10	EB
Benzo(ghi)perylene	SNL0091275	LWDS-MW1	0	22-AUG-92	8270	10	U	10	EB
Benzo(ghi)perylene	SNL0091292	LWDS-MW1	0	24-AUG-92	8270	10	U	10	EB
Benzo(ghi)perylene	SNL0091299	LWDS-MW1	0	25-AUG-92	8270	10	U	10	EB
Benzo(ghi)perylene	SNL0091934	LWDS-52-BH06	0	05-SEP-92	8270	10	U	10	EB
Benzo(ghi)perylene	SNL0091945	LWDS-52-BH08	0	05-SEP-92	8270	10	U	10	EB
Benzo(ghi)perylene	SNL0092792	LWDS-MW2	0	23-SEP-92	8270	10	U	10	EB
Benzo(ghi)perylene	SNL0092872	LWDS-MW2	0	08-OCT-92	8270	10	U	10	EB
Benzo(ghi)perylene	SNL0093106	LWDS-MW1	0	28-APR-93	8270	10	U	10	EB

Table A-13. Trip blank and equipment blank results for ER Sites 4, 5, and 52.

Analyte	Sample Number	Sample Location	Sample Depth (Ft)	Sample Date	Analytical Method	Amount Detected (mg/L)	Qualifier	Method Detection Limit	Sample Type
Benzo(ghi)perylene	SNL0093237	LWDS-04-BH09	0	18-MAR-94	8270	10	U	10	EB
Benzo(ghi)perylene	SNL0093275	LWDS-04-BH10	0	19-MAR-94	8270	10	U	10	EB
Benzo(ghi)perylene	SNL0093368	LWDS-05-BH13	0	22-MAR-94	8270	10	U	10	EB
Benzo(ghi)perylene	SNL0093458	LWDS-05-BH12	0	21-MAR-94	8270	10	U	10	EB
Benzo(ghi)perylene	SNL0093575	LWDS-05-BH11	0	20-MAR-94	8270	10	U	10	EB
Benzo(ghi)perylene	SNL0093615	LWDS-52-BH16	0	24-MAR-94	8270	10	U	10	EB
Benzo(ghi)perylene	SNL0093647	LWDS-05-BH14	0	23-MAR-94	8270	10	U	10	EB
Benzo(ghi)perylene	SNL0093706	LWDS-52-BH15	0	23-MAR-94	8270	10	U	10	EB
Benzo(ghi)perylene	SNL0094017	LWDS-MW2	0	11-MAR-94	8270	0.01	U	0.01	EB
Benzo(ghi)perylene	SNL0094282	LWDS-MW1	0	06-JUN-94	8270	0.01	U	0.01	EB
Benzo(ghi)perylene	SNL0094303	LWDS-MW1	0	31-AUG-94	8270	0.01	U	0.01	EB
Benzo(ghi)perylene	SNL0094414	LWDS-MW2	0	07-DEC-94	8270	0.01	U	0.01	EB
Benzo(ghi)perylene	SNL0094620	LWDS MW-2	0	01-MAR-95	8270	0.01	U	0.01	EB
Benzo(ghi)perylene	SNL0094749	LWDS-MW2	0	12-JUN-95	8270	0.01	U	0.01	EB
Benzo(ghi)perylene	SNL0099100	LWDS-MW2	0	24-JUN-93	8270	0.01	U	0.01	EB
Benzo(k)fluoranthene	SNL0090028	LWDS-04-BH01	0	08-AUG-92	8270	10	U	10	EB
Benzo(k)fluoranthene	SNL0090031	LWDS-04-BH01	0	09-AUG-92	8270	10	U	10	EB
Benzo(k)fluoranthene	SNL0090054	LWDS-04-BH02	0	10-AUG-92	8270	10	U	10	EB
Benzo(k)fluoranthene	SNL0090596	LWDS-04-BH02	0	11-AUG-92	8270	10	U	10	EB
Benzo(k)fluoranthene	SNL0090623	LWDS-04-BH03	0	12-AUG-92	8270	10	U	10	EB
Benzo(k)fluoranthene	SNL0091158	LWDS-04-BH03	0	13-AUG-92	8270	10	U	10	EB
Benzo(k)fluoranthene	SNL0091172	LWDS-04-BH04	0	18-AUG-92	8270	10	U	10	EB
Benzo(k)fluoranthene	SNL0091173	LWDS-04-BH04	0	18-AUG-92	8270	11	U	11	EB
Benzo(k)fluoranthene	SNL0091192	LWDS-04-BH04	0	19-AUG-92	8270	10	U	10	EB
Benzo(k)fluoranthene	SNL0091255	LWDS-04-BH05	0	20-AUG-92	8270	10	U	10	EB
Benzo(k)fluoranthene	SNL0091273	LWDS-MW1	0	23-AUG-92	8270	10	U	10	EB
Benzo(k)fluoranthene	SNL0091275	LWDS-MW1	0	22-AUG-92	8270	10	U	10	EB
Benzo(k)fluoranthene	SNL0091292	LWDS-MW1	0	24-AUG-92	8270	10	U	10	EB
Benzo(k)fluoranthene	SNL0091299	LWDS-MW1	0	25-AUG-92	8270	10	U	10	EB
Benzo(k)fluoranthene	SNL0091934	LWDS-52-BH06	0	05-SEP-92	8270	10	U	10	EB
Benzo(k)fluoranthene	SNL0091945	LWDS-52-BH08	0	05-SEP-92	8270	10	U	10	EB
Benzo(k)fluoranthene	SNL0092792	LWDS-MW2	0	23-SEP-92	8270	10	U	10	EB
Benzo(k)fluoranthene	SNL0092872	LWDS-MW2	0	08-OCT-92	8270	10	U	10	EB
Benzo(k)fluoranthene	SNL0093106	LWDS-MW1	0	28-APR-93	8270	10	U	10	EB
Benzo(k)fluoranthene	SNL0093237	LWDS-04-BH09	0	18-MAR-94	8270	10	U	10	EB
Benzo(k)fluoranthene	SNL0093275	LWDS-04-BH10	0	19-MAR-94	8270	10	U	10	EB
Benzo(k)fluoranthene	SNL0093368	LWDS-05-BH13	0	22-MAR-94	8270	10	U	10	EB
Benzo(k)fluoranthene	SNL0093458	LWDS-05-BH12	0	21-MAR-94	8270	10	U	10	EB
Benzo(k)fluoranthene	SNL0093575	LWDS-05-BH11	0	20-MAR-94	8270	10	U	10	EB
Benzo(k)fluoranthene	SNL0093615	LWDS-52-BH16	0	24-MAR-94	8270	10	U	10	EB
Benzo(k)fluoranthene	SNL0093647	LWDS-05-BH14	0	23-MAR-94	8270	10	U	10	EB
Benzo(k)fluoranthene	SNL0093706	LWDS-52-BH15	0	23-MAR-94	8270	10	U	10	EB
Benzo(k)fluoranthene	SNL0094017	LWDS-MW2	0	11-MAR-94	8270	0.01	U	0.01	EB
Benzo(k)fluoranthene	SNL0094282	LWDS-MW1	0	06-JUN-94	8270	0.01	U	0.01	EB
Benzo(k)fluoranthene	SNL0094303	LWDS-MW1	0	31-AUG-94	8270	0.01	U	0.01	EB
Benzo(k)fluoranthene	SNL0094414	LWDS-MW2	0	07-DEC-94	8270	0.01	U	0.01	EB
Benzo(k)fluoranthene	SNL0094620	LWDS MW-2	0	01-MAR-95	8270	0.01	U	0.01	EB
Benzo(k)fluoranthene	SNL0094749	LWDS-MW2	0	12-JUN-95	8270	0.01	U	0.01	EB
Benzo(k)fluoranthene	SNL0099100	LWDS-MW2	0	24-JUN-93	8270	0.01	U	0.01	EB
Benzoic acid	SNL0090028	LWDS-04-BH01	0	08-AUG-92	8270	50	U	50	EB
Benzoic acid	SNL0090031	LWDS-04-BH01	0	09-AUG-92	8270	50	U	50	EB
Benzoic acid	SNL0090054	LWDS-04-BH02	0	10-AUG-92	8270	50	U	50	EB
Benzoic acid	SNL0090596	LWDS-04-BH02	0	11-AUG-92	8270	52	U	52	EB
Benzoic acid	SNL0090623	LWDS-04-BH03	0	12-AUG-92	8270	50	U	50	EB
Benzoic acid	SNL0091158	LWDS-04-BH03	0	13-AUG-92	8270	50	U	50	EB
Benzoic acid	SNL0091172	LWDS-04-BH04	0	18-AUG-92	8270	50	U	50	EB
Benzoic acid	SNL0091173	LWDS-04-BH04	0	18-AUG-92	8270	53	U	53	EB
Benzoic acid	SNL0091192	LWDS-04-BH04	0	19-AUG-92	8270	52	U	52	EB
Benzoic acid	SNL0091255	LWDS-04-BH05	0	20-AUG-92	8270	52	U	52	EB
Benzoic acid	SNL0091273	LWDS-MW1	0	23-AUG-92	8270	50	U	50	EB
Benzoic acid	SNL0091275	LWDS-MW1	0	22-AUG-92	8270	50	U	50	EB
Benzoic acid	SNL0091292	LWDS-MW1	0	24-AUG-92	8270	50	U	50	EB
Benzoic acid	SNL0091299	LWDS-MW1	0	25-AUG-92	8270	50	U	50	EB
Benzoic acid	SNL0091934	LWDS-52-BH06	0	05-SEP-92	8270	50	U	50	EB
Benzoic acid	SNL0091945	LWDS-52-BH08	0	05-SEP-92	8270	50	U	50	EB
Benzoic acid	SNL0092792	LWDS-MW2	0	23-SEP-92	8270	50	U	50	EB
Benzoic acid	SNL0092872	LWDS-MW2	0	08-OCT-92	8270	50	U	50	EB
Benzoic acid	SNL0093106	LWDS-MW1	0	28-APR-93	8270	50	U	50	EB

Table A-13. Trip blank and equipment blank results for ER Sites 4, 5, and 52.

Analyte	Sample Number	Sample Location	Sample Depth (Ft)	Sample Date	Analytical Method	Amount Detected (mg/L)	Qualifier	Method Detection Limit	Sample Type
Bromodichloromethane	SNL0091272	LWDS-MW1	0	23-AUG-92	8240	5	U	5	EB
Bromodichloromethane	SNL0091274	LWDS-MW1	0	22-AUG-92	8240	5	U	5	EB
Bromodichloromethane	SNL0091276	LWDS-MW1	0	22-AUG-92	8240	5	U	5	TB
Bromodichloromethane	SNL0091291	LWDS-MW1	0	24-AUG-92	8240	5	U	5	EB
Bromodichloromethane	SNL0091293	LWDS-MW1	0	24-AUG-92	8240	5	U	5	TB
Bromodichloromethane	SNL0091298	LWDS-MW1	0	25-AUG-92	8240	5	U	5	EB
Bromodichloromethane	SNL0091300	LWDS-MW1	0	25-AUG-92	8240	5	U	5	TB
Bromodichloromethane	SNL0091933	LWDS-52-BH06	0	05-SEP-92	8240	5	U	5	EB
Bromodichloromethane	SNL0091935	LWDS-52-BH06	0	05-SEP-92	8240	5	U	5	TB
Bromodichloromethane	SNL0091944	LWDS-52-BH08	0	05-SEP-92	8240	5	U	5	EB
Bromodichloromethane	SNL0092723	LWDS-MW2	0	18-SEP-92	8240	5	U	5	TB
Bromodichloromethane	SNL0092746	LWDS-MW2	0	21-SEP-92	8240	5	U	5	TB
Bromodichloromethane	SNL0092791	LWDS-MW2	0	23-SEP-92	8240	5	U	5	EB
Bromodichloromethane	SNL0092801	LWDS-MW2	0	23-SEP-92	8240	5	U	5	TB
Bromodichloromethane	SNL0092835	LWDS-MW2	0	24-SEP-92	8240	5	U	5	TB
Bromodichloromethane	SNL0092847	LWDS-MW2	0	01-OCT-92	8240	5	U	5	TB
Bromodichloromethane	SNL0092859	LWDS-MW2	0	02-OCT-92	8240	5	U	5	TB
Bromodichloromethane	SNL0092871	LWDS-MW2	0	08-OCT-92	8240	5	U	5	EB
Bromodichloromethane	SNL0092881	LWDS-MW2	0	08-OCT-92	8240	5	U	5	TB
Bromodichloromethane	SNL0092948	LWDS-MW2	0	17-OCT-92	8240	5	U	5	TB
Bromodichloromethane	SNL0092970	LWDS-MW2	0	21-OCT-92	8240	5	U	5	TB
Bromodichloromethane	SNL0092989	LWDS-MW1	0	06-APR-93	8240	5	U	5	TB
Bromodichloromethane	SNL0093002	LWDS-MW1	0	08-APR-93	8240	5	U	5	TB
Bromodichloromethane	SNL0093003	LWDS-MW1	0	13-APR-93	8240	5	U	5	TB
Bromodichloromethane	SNL0093013	LWDS-MW1	0	14-APR-93	8240	5	U	5	TB
Bromodichloromethane	SNL0093035	LWDS-MW1	0	15-APR-93	8240	5	U	5	TB
Bromodichloromethane	SNL0093045	LWDS-MW1	0	17-APR-93	8240	5	U	5	TB
Bromodichloromethane	SNL0093082	LWDS-MW1	0	21-APR-93	8240	5	U	5	TB
Bromodichloromethane	SNL0093092	LWDS-MW1	0	27-APR-93	8240	5	U	5	TB
Bromodichloromethane	SNL0093105	LWDS-MW1	0	28-APR-93	8240	5	U	5	EB
Bromodichloromethane	SNL0093114	LWDS-MW1	0	28-APR-93	8240	5	U	5	TB
Bromodichloromethane	SNL0093124	LWDS-MW1	0	30-APR-93	8240	5	U	5	TB
Bromodichloromethane	SNL0093135	LWDS-MW1	0	03-MAY-93	8240	5	U	5	TB
Bromodichloromethane	SNL0093236	LWDS-04-BH09	0	18-MAR-94	8240	5	U	5	EB
Bromodichloromethane	SNL0093244	LWDS-04-BH09	0	18-MAR-94	8240	5	U	5	TB
Bromodichloromethane	SNL0093245	LWDS-04-BH09	0	18-MAR-94	8240	5	U	5	TB
Bromodichloromethane	SNL0093274	LWDS-04-BH10	0	19-MAR-94	8240	5	U	5	EB
Bromodichloromethane	SNL0093285	LWDS-04-BH10	0	19-MAR-94	8240	5	U	5	TB
Bromodichloromethane	SNL0093286	LWDS-04-BH10	0	19-MAR-94	8240	5	U	5	TB
Bromodichloromethane	SNL0093367	LWDS-05-BH13	0	22-MAR-94	8240	5	U	5	EB
Bromodichloromethane	SNL0093375	LWDS-05-BH13	0	22-MAR-94	8240	5	U	5	TB
Bromodichloromethane	SNL0093376	LWDS-05-BH13	0	22-MAR-94	8240	5	U	5	TB
Bromodichloromethane	SNL0093457	LWDS-05-BH12	0	21-MAR-94	8240	5	U	5	EB
Bromodichloromethane	SNL0093465	LWDS-05-BH12	0	21-MAR-94	8240	5	U	5	TB
Bromodichloromethane	SNL0093466	LWDS-05-BH12	0	21-MAR-94	8240	5	U	5	TB
Bromodichloromethane	SNL0093572	LWDS-05-BH11	0	20-MAR-94	8240	5	U	5	TB
Bromodichloromethane	SNL0093573	LWDS-05-BH11	0	20-MAR-94	8240	5	U	5	TB
Bromodichloromethane	SNL0093574	LWDS-05-BH11	0	20-MAR-94	8240	5	U	5	EB
Bromodichloromethane	SNL0093614	LWDS-52-BH16	0	24-MAR-94	8240	5	U	5	EB
Bromodichloromethane	SNL0093622	LWDS-52-BH16	0	24-MAR-94	8240	5	U	5	TB
Bromodichloromethane	SNL0093646	LWDS-05-BH14	0	23-MAR-94	8240	5	U	5	EB
Bromodichloromethane	SNL0093654	LWDS-05-BH14	0	23-MAR-94	8240	5	U	5	TB
Bromodichloromethane	SNL0093655	LWDS-05-BH14	0	23-MAR-94	8240	5	U	5	TB
Bromodichloromethane	SNL0093705	LWDS-52-BH15	0	23-MAR-94	8240	5	U	5	EB
Bromodichloromethane	SNL0094080	LWDS-MW1	0	10-MAR-94	8240	0.005	U	0.005	TB
Bromodichloromethane	SNL0094280	LWDS-MW1	0	31-MAY-94	8260	0.001	U	0.001	TB
Bromodichloromethane	SNL0094281	LWDS-MW1	0	06-JUN-94	8260	0.001	U	0.001	EB
Bromodichloromethane	SNL0094298	LWDS-MW1	0	31-MAY-94	8260	0.001	U	0.001	TB
Bromodichloromethane	SNL0094302	LWDS-MW1	0	31-AUG-94	8260	0.001	U	0.001	EB
Bromodichloromethane	SNL0094317	LWDS-MW1	0	24-AUG-94	8260	0.001	U	0.001	TB
Bromodichloromethane	SNL0094348	LWDS-MW1	0	24-AUG-94	8260	0.005	U	0.005	TB
Bromodichloromethane	SNL0094376	LWDS-MW1	0	07-OCT-94	8010	0.001	U	0.001	EB
Bromodichloromethane	SNL0094377	LWDS-MW1	0	07-OCT-94	8010	0.001	U	0.001	EB
Bromodichloromethane	SNL0094378	LWDS-MW1	0	07-OCT-94	8010	0.001	U	0.001	EB
Bromodichloromethane	SNL0094379	LWDS-MW1	0	07-OCT-94	8010	0.001	U	0.001	TB
Bromodichloromethane	SNL0094386	LWDS-MW1	0	30-NOV-94	8010	0.001	U	0.001	TB
Bromodichloromethane	SNL0094411	LWDS-MW2	0	06-JUN-94	8260	0.001	U	0.001	TB
Bromodichloromethane	SNL0094412	LWDS-MW2	0	30-NOV-94	8010	0.001	U	0.001	TB

Table A-13. Trip blank and equipment blank results for ER Sites 4, 5, and 52.

Analyte	Sample Number	Sample Location	Sample Depth (Ft)	Sample Date	Analytical Method	Amount Detected (mg/L)	Qualifier	Method Detection Limit	Sample Type
Benzoic acid	SNL0093237	LWDS-04-BH09	0	18-MAR-94	8270	50	U	50	EB
Benzoic acid	SNL0093275	LWDS-04-BH10	0	19-MAR-94	8270	50	U	50	EB
Benzoic acid	SNL0093368	LWDS-05-BH13	0	22-MAR-94	8270	50	U	50	EB
Benzoic acid	SNL0093458	LWDS-05-BH12	0	21-MAR-94	8270	50	U	50	EB
Benzoic acid	SNL0093575	LWDS-05-BH11	0	20-MAR-94	8270	50	U	50	EB
Benzoic acid	SNL0093615	LWDS-52-BH16	0	24-MAR-94	8270	50	U	50	EB
Benzoic acid	SNL0093647	LWDS-05-BH14	0	23-MAR-94	8270	50	U	50	EB
Benzoic acid	SNL0093706	LWDS-52-BH15	0	23-MAR-94	8270	50	U	50	EB
Benzoic acid	SNL0094282	LWDS-MW1	0	06-JUN-94	8270	0.05	U	0.05	EB
Benzoic acid	SNL0094303	LWDS-MW1	0	31-AUG-94	8270	0.05	U	0.05	EB
Benzoic acid	SNL0094414	LWDS-MW2	0	07-DEC-94	8270	0.05	U	0.05	EB
Benzoic acid	SNL0094620	LWDS MW-2	0	01-MAR-95	8270	0.05	U	0.05	EB
Benzoic acid	SNL0094749	LWDS-MW2	0	12-JUN-95	8270	0.05	U	0.05	EB
Benzoic acid	SNL0099100	LWDS-MW2	0	24-JUN-93	8270	0.05	U	0.05	EB
Benzyl alcohol	SNL0090028	LWDS-04-BH01	0	08-AUG-92	8270	10	U	10	EB
Benzyl alcohol	SNL0090031	LWDS-04-BH01	0	09-AUG-92	8270	10	U	10	EB
Benzyl alcohol	SNL0090054	LWDS-04-BH02	0	10-AUG-92	8270	10	U	10	EB
Benzyl alcohol	SNL0090596	LWDS-04-BH02	0	11-AUG-92	8270	10	U	10	EB
Benzyl alcohol	SNL0090623	LWDS-04-BH03	0	12-AUG-92	8270	10	U	10	EB
Benzyl alcohol	SNL0091158	LWDS-04-BH03	0	13-AUG-92	8270	10	U	10	EB
Benzyl alcohol	SNL0091172	LWDS-04-BH04	0	18-AUG-92	8270	10	U	10	EB
Benzyl alcohol	SNL0091173	LWDS-04-BH04	0	18-AUG-92	8270	11	U	11	EB
Benzyl alcohol	SNL0091192	LWDS-04-BH04	0	19-AUG-92	8270	10	U	10	EB
Benzyl alcohol	SNL0091255	LWDS-04-BH05	0	20-AUG-92	8270	10	U	10	EB
Benzyl alcohol	SNL0091273	LWDS-MW1	0	23-AUG-92	8270	10	U	10	EB
Benzyl alcohol	SNL0091275	LWDS-MW1	0	22-AUG-92	8270	10	U	10	EB
Benzyl alcohol	SNL0091292	LWDS-MW1	0	24-AUG-92	8270	10	U	10	EB
Benzyl alcohol	SNL0091299	LWDS-MW1	0	25-AUG-92	8270	10	U	10	EB
Benzyl alcohol	SNL0091934	LWDS-52-BH06	0	05-SEP-92	8270	10	U	10	EB
Benzyl alcohol	SNL0091945	LWDS-52-BH08	0	05-SEP-92	8270	10	U	10	EB
Benzyl alcohol	SNL0092792	LWDS-MW2	0	23-SEP-92	8270	10	U	10	EB
Benzyl alcohol	SNL0092872	LWDS-MW2	0	08-OCT-92	8270	10	U	10	EB
Benzyl alcohol	SNL0093106	LWDS-MW1	0	28-APR-93	8270	10	U	10	EB
Benzyl alcohol	SNL0093237	LWDS-04-BH09	0	18-MAR-94	8270	10	U	10	EB
Benzyl alcohol	SNL0093275	LWDS-04-BH10	0	19-MAR-94	8270	10	U	10	EB
Benzyl alcohol	SNL0093368	LWDS-05-BH13	0	22-MAR-94	8270	10	U	10	EB
Benzyl alcohol	SNL0093458	LWDS-05-BH12	0	21-MAR-94	8270	10	U	10	EB
Benzyl alcohol	SNL0093575	LWDS-05-BH11	0	20-MAR-94	8270	10	U	10	EB
Benzyl alcohol	SNL0093615	LWDS-52-BH16	0	24-MAR-94	8270	10	U	10	EB
Benzyl alcohol	SNL0093647	LWDS-05-BH14	0	23-MAR-94	8270	10	U	10	EB
Benzyl alcohol	SNL0093706	LWDS-52-BH15	0	23-MAR-94	8270	10	U	10	EB
Benzyl alcohol	SNL0094282	LWDS-MW1	0	06-JUN-94	8270	0.01	U	0.01	EB
Benzyl alcohol	SNL0094303	LWDS-MW1	0	31-AUG-94	8270	0.01	U	0.01	EB
Benzyl alcohol	SNL0094414	LWDS-MW2	0	07-DEC-94	8270	0.01	U	0.01	EB
Benzyl alcohol	SNL0094620	LWDS MW-2	0	01-MAR-95	8270	0.01	U	0.01	EB
Benzyl alcohol	SNL0094749	LWDS-MW2	0	12-JUN-95	8270	0.01	U	0.01	EB
Benzyl alcohol	SNL0099100	LWDS-MW2	0	24-JUN-93	8270	0.01	U	0.01	EB
Beryllium	SNL0091302	LWDS-04-BH01	0	09-AUG-92	6010	0.002	U	0.002	EB
Beryllium	SNL0091519	LWDS-04-BH01	0	08-AUG-92	6010	0.002	U	0.002	EB
Beryllium	SNL0091528	LWDS-04-BH02	0	10-AUG-92	6010	0.002	U	0.002	EB
Beryllium	SNL0091576	LWDS-04-BH02	0	11-AUG-92	6010	0.002	U	0.002	EB
Beryllium	SNL0091684	LWDS-04-BH03	0	12-AUG-92	6010	0.002	U	0.002	EB
Beryllium	SNL0091735	LWDS-04-BH03	0	13-AUG-92	6010	0.002	U	0.002	EB
Beryllium	SNL0091791	LWDS-04-BH04	0	18-AUG-92	6010	0.002	U	0.002	EB
Beryllium	SNL0091927	LWDS-04-BH04	0	19-AUG-92	6010	0.002	U	0.002	EB
Beryllium	SNL0092178	LWDS-04-BH05	0	20-AUG-92	6010	0.002	U	0.002	EB
Beryllium	SNL0092210	LWDS-MW1	0	24-AUG-92	6010	0.002	U	0.002	EB
Beryllium	SNL0092218	LWDS-MW1	0	22-AUG-92	6010	0.002	U	0.002	EB
Beryllium	SNL0092325	LWDS-MW1	0	23-AUG-92	6010	0.002	U	0.002	EB
Beryllium	SNL0092351	LWDS-MW1	0	25-AUG-92	6010	0.002	U	0.002	EB
Beryllium	SNL0092374	LWDS-52-BH06	0	05-SEP-92	6010	0.002	U	0.002	EB
Beryllium	SNL0092418	LWDS-52-BH08	0	05-SEP-92	6010	0.002	U	0.002	EB
Beryllium	SNL0092507	LWDS-52-BH07	0	07-SEP-92	6010	0.002	U	0.002	EB
Beryllium	SNL0092532	LWDS-MW2	0	07-SEP-92	6010	0.002	U	0.002	EB
Beryllium	SNL0092685	LWDS-52-BH07	0	06-SEP-92	6010	0.002	U	0.002	EB
Beryllium	SNL0092795	LWDS-MW2	0	23-SEP-92	6010	0.0022		0.002	EB
Beryllium	SNL0092875	LWDS-MW2	0	08-OCT-92	6010	0.002	U	0.002	EB
Beryllium	SNL0093107	LWDS-MW1	0	28-APR-93	6010	0.002	U	0.002	EB

Table A-13. Trip blank and equipment blank results for ER Sites 4, 5, and 52.

Analyte	Sample Number	Sample Location	Sample Depth (Ft)	Sample Date	Analytical Method	Amount Detected (mg/L)	Qualifier	Method Detection Limit	Sample Type
Beryllium	SNL0093238	LWDS-04-BH09	0	18-MAR-94	6010	0.002	U	0.002	EB
Beryllium	SNL0093276	LWDS-04-BH10	0	19-MAR-94	6010	0.002	U	0.002	EB
Beryllium	SNL0093369	LWDS-05-BH13	0	22-MAR-94	6010	0.002	U	0.002	EB
Beryllium	SNL0093459	LWDS-05-BH12	0	21-MAR-94	6010	0.002	U	0.002	EB
Beryllium	SNL0093576	LWDS-05-BH11	0	20-MAR-94	6010	0.002	U	0.002	EB
Beryllium	SNL0093616	LWDS-52-BH16	0	24-MAR-94	6010	0.002	U	0.002	EB
Beryllium	SNL0093648	LWDS-05-BH14	0	23-MAR-94	6010	0.002	U	0.002	EB
Beryllium	SNL0093707	LWDS-52-BH15	0	23-MAR-94	6010	0.002		0.002	EB
Beryllium	SNL0094026	LWDS-MW2	0	09-MAR-94	6010	0.005	U	0.005	EB
Beryllium	SNL0094283	LWDS-MW1	0	06-JUN-94	6010	0.005	U	0.005	EB
Beryllium	SNL0094304	LWDS-MW1	0	31-AUG-94	6010	0.005	U	0.005	EB
Beryllium	SNL0094415	LWDS-MW2	0	07-DEC-94	6010	0.005	U	0.005	EB
Beryllium	SNL0094621	LWDS MW-2	0	01-MAR-95	6010	0.005	U	0.005	EB
Beryllium	SNL0094750	LWDS-MW2	0	12-JUN-95	6010	0.005	U	0.005	EB
Beryllium	SNL0099067	LWDS-MW2	0	24-JUN-93	6010	0.005	U	0.005	EB
Beryllium-7	SNL0091301	LWDS-04-BH01	0	09-AUG-92	GAMMA	185	<	185	EB
Beryllium-7	SNL0091518	LWDS-04-BH01	0	08-AUG-92	GAMMA	106	<	106	EB
Beryllium-7	SNL0091526	LWDS-04-BH02	0	10-AUG-92	GAMMA	151	<	151	EB
Beryllium-7	SNL0091574	LWDS-04-BH02	0	11-AUG-92	GAMMA	194	<	194	EB
Beryllium-7	SNL0091682	LWDS-04-BH03	0	12-AUG-92	GAMMA	212	<	212	EB
Beryllium-7	SNL0091733	LWDS-04-BH03	0	13-AUG-92	GAMMA	157	<	157	EB
Beryllium-7	SNL0091789	LWDS-04-BH04	0	18-AUG-92	GAMMA	186	<	186	EB
Beryllium-7	SNL0091925	LWDS-04-BH04	0	19-AUG-92	GAMMA	139	<	139	EB
Beryllium-7	SNL0092176	LWDS-04-BH05	0	20-AUG-92	GAMMA	133	<	133	EB
Beryllium-7	SNL0092208	LWDS-MW1	0	24-AUG-92	GAMMA	70.6	<	70.6	EB
Beryllium-7	SNL0092216	LWDS-MW1	0	22-AUG-92	GAMMA	115	<	115	EB
Beryllium-7	SNL0092323	LWDS-MW1	0	23-AUG-92	GAMMA	58.3	<	58.3	EB
Beryllium-7	SNL0092349	LWDS-MW1	0	25-AUG-92	GAMMA	55.9	<	55.9	EB
Beryllium-7	SNL0092373	LWDS-52-BH06	0	05-SEP-92	GAMMA	55.9	<	55.9	EB
Beryllium-7	SNL0092417	LWDS-52-BH08	0	05-SEP-92	GAMMA	58.8	<	58.8	EB
Beryllium-7	SNL0092506	LWDS-52-BH07	0	07-SEP-92	GAMMA	67.6	<	67.6	EB
Beryllium-7	SNL0092538	LWDS-MW2	0	07-SEP-92	GAMMA	79.2	<	79.2	EB
Beryllium-7	SNL0092684	LWDS-52-BH07	0	06-SEP-92	GAMMA	92.9	<	92.9	EB
Beryllium-7	SNL0092793	LWDS-MW2	0	23-SEP-92	GAMMA	76	<	76	EB
Beryllium-7	SNL0092873	LWDS-MW2	0	08-OCT-92	GAMMA	47.7	<	47.7	EB
Beryllium-7	SNL0094220	LWDS-04-BH09-EB	0	18-MAR-94	GAMMA	0.0976	U	0.0976	EB
Beryllium-7	SNL0094223	LWDS-04-BH10-EB	0	19-MAR-94	GAMMA	0.11201	U	0.11201	EB
Beryllium-7	SNL0094226	LWDS-05-BH11-EB	0	20-MAR-94	GAMMA	0.0973	U	0.0973	EB
Beryllium-7	SNL0094227	LWDS-MW1	0	06-JUN-94	GAMMA	0.0778	U	0.0778	EB
Beryllium-7	SNL0094243	LWDS-MW2	0	07-DEC-94	GAMMA	0.0746	U	0.0746	EB
Beryllium-7	SNL0094247	LWDS-MW1	0	08-DEC-94	GAMMA	0.0859	U	0.0859	FB
Beta, gross	SNL0093780	LWDS-MW2	0	24-JUN-93	GB	-0.62		2.1	EB
Beta, gross	SNL0093789	LWDS-MW1	0	03-NOV-93	GB	7		2.5	EB
Beta, gross	SNL0093809	LWDS-MW2	0	09-MAR-94	GB	-0.72	U	2.2	EB
Beta, gross	SNL0093821	LWDS-MW2	0	09-MAR-94	GB	-0.39	U	2	FB
Beta, gross	SNL0094236	LWDS-MW1	0	06-JUN-94	900.0	-0.53	U	2.3	EB
Beta, gross	SNL0094248	LWDS-MW2	0	07-DEC-94	900.0	0.76	U	2.2	EB
Beta, gross	SNL0094260	LWDS-MW1	0	08-DEC-94	900.0	1.3	U	2	FB
Beta, gross	SNL0094487	LWDS-MW2	0	12-JUN-95	900.0	-0.52		0.79	EB
Beta, gross	SNL0094501	LWDS MW-1	0	02-MAR-95	900.0	0.82	U	2.1	FB
Beta, gross	SNL0094504	LWDS MW-2	0	01-MAR-95	900.0	-0.78	U	2.2	EB
Bismuth-207	SNL0094220	LWDS-04-BH09-EB	0	18-MAR-94	GAMMA	0.0195	U	0.0195	EB
Bismuth-207	SNL0094223	LWDS-04-BH10-EB	0	19-MAR-94	GAMMA	0.01995	U	0.01995	EB
Bismuth-207	SNL0094226	LWDS-05-BH11-EB	0	20-MAR-94	GAMMA	0.0205	U	0.0205	EB
Bismuth-207	SNL0094227	LWDS-MW1	0	06-JUN-94	GAMMA	0.0136	U	0.0136	EB
Bismuth-207	SNL0094243	LWDS-MW2	0	07-DEC-94	GAMMA	0.00791	U	0.00791	EB
Bismuth-207	SNL0094247	LWDS-MW1	0	08-DEC-94	GAMMA	0.0164	U	0.0164	FB
Bismuth-212	SNL0091301	LWDS-04-BH01	0	09-AUG-92	GAMMA	311	<	311	EB
Bismuth-212	SNL0091518	LWDS-04-BH01	0	08-AUG-92	GAMMA	345	<	345	EB
Bismuth-212	SNL0091526	LWDS-04-BH02	0	10-AUG-92	GAMMA	243	<	243	EB
Bismuth-212	SNL0091574	LWDS-04-BH02	0	11-AUG-92	GAMMA	288	<	288	EB
Bismuth-212	SNL0091682	LWDS-04-BH03	0	12-AUG-92	GAMMA	209	<	209	EB
Bismuth-212	SNL0091733	LWDS-04-BH03	0	13-AUG-92	GAMMA	299	<	299	EB
Bismuth-212	SNL0091789	LWDS-04-BH04	0	18-AUG-92	GAMMA	285	<	285	EB
Bismuth-212	SNL0091925	LWDS-04-BH04	0	19-AUG-92	GAMMA	359	<	359	EB
Bismuth-212	SNL0092176	LWDS-04-BH05	0	20-AUG-92	GAMMA	303	<	303	EB
Bismuth-212	SNL0092208	LWDS-MW1	0	24-AUG-92	GAMMA	322	<	322	EB
Bismuth-212	SNL0092216	LWDS-MW1	0	22-AUG-92	GAMMA	330	<	330	EB

Table A-13. Trip blank and equipment blank results for ER Sites 4, 5, and 52.

Analyte	Sample Number	Sample Location	Sample Depth (Ft)	Sample Date	Analytical Method	Amount Detected (mg/L)	Qualifier	Method Detection Limit	Sample Type
Bismuth-212	SNL0092323	LWDS-MW1	0	23-AUG-92	GAMMA	126	<	126	EB
Bismuth-212	SNL0092349	LWDS-MW1	0	25-AUG-92	GAMMA	176	<	176	EB
Bismuth-212	SNL0092373	LWDS-52-BH06	0	05-SEP-92	GAMMA	171	<	171	EB
Bismuth-212	SNL0092417	LWDS-52-BH08	0	05-SEP-92	GAMMA	178	<	178	EB
Bismuth-212	SNL0092506	LWDS-52-BH07	0	07-SEP-92	GAMMA	183	<	183	EB
Bismuth-212	SNL0092538	LWDS-MW2	0	07-SEP-92	GAMMA	133	<	133	EB
Bismuth-212	SNL0092684	LWDS-52-BH07	0	06-SEP-92	GAMMA	138	<	138	EB
Bismuth-212	SNL0092793	LWDS-MW2	0	23-SEP-92	GAMMA	128	<	128	EB
Bismuth-212	SNL0092873	LWDS-MW2	0	08-OCT-92	GAMMA	147	<	147	EB
Bismuth-212	SNL0094220	LWDS-04-BH09-EB	0	18-MAR-94	GAMMA	0.0936	U	0.0936	EB
Bismuth-212	SNL0094223	LWDS-04-BH10-EB	0	19-MAR-94	GAMMA	0.10887	U	0.10887	EB
Bismuth-212	SNL0094226	LWDS-05-BH11-EB	0	20-MAR-94	GAMMA	0.0968	U	0.0968	EB
Bismuth-212	SNL0094227	LWDS-MW1	0	06-JUN-94	GAMMA	0.0778	U	0.0778	EB
Bismuth-212	SNL0094243	LWDS-MW2	0	07-DEC-94	GAMMA	0.0819	U	0.0819	EB
Bismuth-212	SNL0094247	LWDS-MW1	0	08-DEC-94	GAMMA	0.0783	U	0.0783	FB
Bismuth-214	SNL0091301	LWDS-04-BH01	0	09-AUG-92	GAMMA	54	<	54	EB
Bismuth-214	SNL0091518	LWDS-04-BH01	0	08-AUG-92	GAMMA	53.7	<	53.7	EB
Bismuth-214	SNL0091526	LWDS-04-BH02	0	10-AUG-92	GAMMA	57.8	<	57.8	EB
Bismuth-214	SNL0091574	LWDS-04-BH02	0	11-AUG-92	GAMMA	50.2	<	50.2	EB
Bismuth-214	SNL0091682	LWDS-04-BH03	0	12-AUG-92	GAMMA	46.7	<	46.7	EB
Bismuth-214	SNL0091733	LWDS-04-BH03	0	13-AUG-92	GAMMA	52.4	<	52.4	EB
Bismuth-214	SNL0091789	LWDS-04-BH04	0	18-AUG-92	GAMMA	55.2	<	55.2	EB
Bismuth-214	SNL0091925	LWDS-04-BH04	0	19-AUG-92	GAMMA	50.3	<	50.3	EB
Bismuth-214	SNL0092176	LWDS-04-BH05	0	20-AUG-92	GAMMA	48.6	<	48.6	EB
Bismuth-214	SNL0092208	LWDS-MW1	0	24-AUG-92	GAMMA	54	<	54	EB
Bismuth-214	SNL0092216	LWDS-MW1	0	22-AUG-92	GAMMA	59.2	<	59.2	EB
Bismuth-214	SNL0092323	LWDS-MW1	0	23-AUG-92	GAMMA	25.5	<	25.5	EB
Bismuth-214	SNL0092349	LWDS-MW1	0	25-AUG-92	GAMMA	29.3	<	29.3	EB
Bismuth-214	SNL0092373	LWDS-52-BH06	0	05-SEP-92	GAMMA	27	<	27	EB
Bismuth-214	SNL0092417	LWDS-52-BH08	0	05-SEP-92	GAMMA	26.3	<	26.3	EB
Bismuth-214	SNL0092506	LWDS-52-BH07	0	07-SEP-92	GAMMA	20.5	<	20.5	EB
Bismuth-214	SNL0092538	LWDS-MW2	0	07-SEP-92	GAMMA	31	<	31	EB
Bismuth-214	SNL0092684	LWDS-52-BH07	0	06-SEP-92	GAMMA	23.2	<	23.2	EB
Bismuth-214	SNL0092793	LWDS-MW2	0	23-SEP-92	GAMMA	20.4	<	20.4	EB
Bismuth-214	SNL0092873	LWDS-MW2	0	08-OCT-92	GAMMA	29.1	<	29.1	EB
Bismuth-214	SNL0094220	LWDS-04-BH09-EB	0	18-MAR-94	GAMMA	0.0375	U	0.0375	EB
Bismuth-214	SNL0094223	LWDS-04-BH10-EB	0	19-MAR-94	GAMMA	0.24911		100000000	EB
Bismuth-214	SNL0094226	LWDS-05-BH11-EB	0	20-MAR-94	GAMMA	0.0371	U	0.0371	EB
Bismuth-214	SNL0094227	LWDS-MW1	0	06-JUN-94	GAMMA	0.0259	U	0.0259	EB
Bismuth-214	SNL0094243	LWDS-MW2	0	07-DEC-94	GAMMA	0.0313	U	0.0313	EB
Bismuth-214	SNL0094247	LWDS-MW1	0	08-DEC-94	GAMMA	0.0315	U	0.0315	FB
Bromide	SNL0094019	LWDS-MW2	0	11-MAR-94	300.0	0.05	U	0.05	EB
Bromide	SNL0094292	LWDS-MW1	0	06-JUN-94	300.0	0.05	U	0.05	EB
Bromide	SNL0094313	LWDS-MW1	0	31-AUG-94	300.0	0.1	U	0.1	EB
Bromodichloromethane	SNL0090027	LWDS-04-BH01	0	08-AUG-92	8240	5	U	5	EB
Bromodichloromethane	SNL0090029	LWDS-04-BH01	0	08-AUG-92	8240	5	U	5	TB
Bromodichloromethane	SNL0090030	LWDS-04-BH01	0	09-AUG-92	8240	5	U	5	EB
Bromodichloromethane	SNL0090032	LWDS-04-BH01	0	09-AUG-92	8240	5	U	5	TB
Bromodichloromethane	SNL0090053	LWDS-04-BH02	0	10-AUG-92	8240	5	U	5	EB
Bromodichloromethane	SNL0090055	LWDS-04-BH02	0	10-AUG-92	8240	5	U	5	TB
Bromodichloromethane	SNL0090162	LWDS-SS	0	16-JUL-92	8240	5	U	5	TB
Bromodichloromethane	SNL0090163	LWDS-SS	0	16-JUL-92	8240	5	U	5	TB
Bromodichloromethane	SNL0090416	LWDS-SS	0	16-JUL-92	8240	5	U	5	TB
Bromodichloromethane	SNL0090595	LWDS-04-BH02	0	11-AUG-92	8240	5	U	5	EB
Bromodichloromethane	SNL0090597	LWDS-04-BH02	0	11-AUG-92	8240	5	U	5	TB
Bromodichloromethane	SNL0090622	LWDS-04-BH03	0	12-AUG-92	8240	5	U	5	EB
Bromodichloromethane	SNL0090624	LWDS-04-BH03	0	12-AUG-92	8240	5	U	5	TB
Bromodichloromethane	SNL0090737	LWDS-SS	0	17-JUL-92	8240	5	U	5	TB
Bromodichloromethane	SNL0090934	LWDS-SS	0	17-JUL-92	8240	5	U	5	TB
Bromodichloromethane	SNL0091118	LWDS-SS	0	20-JUL-92	8240	5	U	5	TB
Bromodichloromethane	SNL0091157	LWDS-04-BH03	0	13-AUG-92	8240	5	U	5	EB
Bromodichloromethane	SNL0091171	LWDS-04-BH04	0	18-AUG-92	8240	5	U	5	EB
Bromodichloromethane	SNL0091174	LWDS-04-BH04	0	18-AUG-92	8240	5	U	5	TB
Bromodichloromethane	SNL0091191	LWDS-04-BH04	0	19-AUG-92	8240	5	U	5	EB
Bromodichloromethane	SNL0091193	LWDS-04-BH04	0	19-AUG-92	8240	5	U	5	TB
Bromodichloromethane	SNL0091242	LWDS-04-BH05	0	20-AUG-92	8240	5	U	5	TB
Bromodichloromethane	SNL0091256	LWDS-04-BH05	0	20-AUG-92	8240	5	U	5	EB
Bromodichloromethane	SNL0091257	LWDS-04-BH05	0	20-AUG-92	8240	5	U	5	TB

Table A-13. Trip blank and equipment blank results for ER Sites 4, 5, and 52.

Analyte	Sample Number	Sample Location	Sample Depth (Ft)	Sample Date	Analytical Method	Amount Detected (mg/L)	Qualifier	Method Detection Limit	Sample Type
Bromodichloromethane	SNL0091272	LWDS-MW1	0	23-AUG-92	8240	5	U	5	EB
Bromodichloromethane	SNL0091274	LWDS-MW1	0	22-AUG-92	8240	5	U	5	EB
Bromodichloromethane	SNL0091276	LWDS-MW1	0	22-AUG-92	8240	5	U	5	TB
Bromodichloromethane	SNL0091291	LWDS-MW1	0	24-AUG-92	8240	5	U	5	EB
Bromodichloromethane	SNL0091293	LWDS-MW1	0	24-AUG-92	8240	5	U	5	TB
Bromodichloromethane	SNL0091298	LWDS-MW1	0	25-AUG-92	8240	5	U	5	EB
Bromodichloromethane	SNL0091300	LWDS-MW1	0	25-AUG-92	8240	5	U	5	TB
Bromodichloromethane	SNL0091933	LWDS-52-BH06	0	05-SEP-92	8240	5	U	5	EB
Bromodichloromethane	SNL0091935	LWDS-52-BH06	0	05-SEP-92	8240	5	U	5	TB
Bromodichloromethane	SNL0091944	LWDS-52-BH08	0	05-SEP-92	8240	5	U	5	EB
Bromodichloromethane	SNL0092723	LWDS-MW2	0	18-SEP-92	8240	5	U	5	TB
Bromodichloromethane	SNL0092746	LWDS-MW2	0	21-SEP-92	8240	5	U	5	TB
Bromodichloromethane	SNL0092791	LWDS-MW2	0	23-SEP-92	8240	5	U	5	EB
Bromodichloromethane	SNL0092801	LWDS-MW2	0	23-SEP-92	8240	5	U	5	TB
Bromodichloromethane	SNL0092835	LWDS-MW2	0	24-SEP-92	8240	5	U	5	TB
Bromodichloromethane	SNL0092847	LWDS-MW2	0	01-OCT-92	8240	5	U	5	TB
Bromodichloromethane	SNL0092859	LWDS-MW2	0	02-OCT-92	8240	5	U	5	TB
Bromodichloromethane	SNL0092871	LWDS-MW2	0	08-OCT-92	8240	5	U	5	EB
Bromodichloromethane	SNL0092881	LWDS-MW2	0	08-OCT-92	8240	5	U	5	TB
Bromodichloromethane	SNL0092948	LWDS-MW2	0	17-OCT-92	8240	5	U	5	TB
Bromodichloromethane	SNL0092970	LWDS-MW2	0	21-OCT-92	8240	5	U	5	TB
Bromodichloromethane	SNL0092989	LWDS-MW1	0	06-APR-93	8240	5	U	5	TB
Bromodichloromethane	SNL0093002	LWDS-MW1	0	08-APR-93	8240	5	U	5	TB
Bromodichloromethane	SNL0093003	LWDS-MW1	0	13-APR-93	8240	5	U	5	TB
Bromodichloromethane	SNL0093013	LWDS-MW1	0	14-APR-93	8240	5	U	5	TB
Bromodichloromethane	SNL0093035	LWDS-MW1	0	15-APR-93	8240	5	U	5	TB
Bromodichloromethane	SNL0093045	LWDS-MW1	0	17-APR-93	8240	5	U	5	TB
Bromodichloromethane	SNL0093082	LWDS-MW1	0	21-APR-93	8240	5	U	5	TB
Bromodichloromethane	SNL0093092	LWDS-MW1	0	27-APR-93	8240	5	U	5	TB
Bromodichloromethane	SNL0093105	LWDS-MW1	0	28-APR-93	8240	5	U	5	EB
Bromodichloromethane	SNL0093114	LWDS-MW1	0	28-APR-93	8240	5	U	5	TB
Bromodichloromethane	SNL0093124	LWDS-MW1	0	30-APR-93	8240	5	U	5	TB
Bromodichloromethane	SNL0093135	LWDS-MW1	0	03-MAY-93	8240	5	U	5	TB
Bromodichloromethane	SNL0093236	LWDS-04-BH09	0	18-MAR-94	8240	5	U	5	EB
Bromodichloromethane	SNL0093244	LWDS-04-BH09	0	18-MAR-94	8240	5	U	5	TB
Bromodichloromethane	SNL0093245	LWDS-04-BH09	0	18-MAR-94	8240	5	U	5	TB
Bromodichloromethane	SNL0093274	LWDS-04-BH10	0	19-MAR-94	8240	5	U	5	EB
Bromodichloromethane	SNL0093285	LWDS-04-BH10	0	19-MAR-94	8240	5	U	5	TB
Bromodichloromethane	SNL0093286	LWDS-04-BH10	0	19-MAR-94	8240	5	U	5	TB
Bromodichloromethane	SNL0093367	LWDS-05-BH13	0	22-MAR-94	8240	5	U	5	EB
Bromodichloromethane	SNL0093375	LWDS-05-BH13	0	22-MAR-94	8240	5	U	5	TB
Bromodichloromethane	SNL0093376	LWDS-05-BH13	0	22-MAR-94	8240	5	U	5	TB
Bromodichloromethane	SNL0093457	LWDS-05-BH12	0	21-MAR-94	8240	5	U	5	EB
Bromodichloromethane	SNL0093465	LWDS-05-BH12	0	21-MAR-94	8240	5	U	5	TB
Bromodichloromethane	SNL0093466	LWDS-05-BH12	0	21-MAR-94	8240	5	U	5	TB
Bromodichloromethane	SNL0093572	LWDS-05-BH11	0	20-MAR-94	8240	5	U	5	TB
Bromodichloromethane	SNL0093573	LWDS-05-BH11	0	20-MAR-94	8240	5	U	5	TB
Bromodichloromethane	SNL0093574	LWDS-05-BH11	0	20-MAR-94	8240	5	U	5	EB
Bromodichloromethane	SNL0093614	LWDS-52-BH16	0	24-MAR-94	8240	5	U	5	EB
Bromodichloromethane	SNL0093622	LWDS-52-BH16	0	24-MAR-94	8240	5	U	5	TB
Bromodichloromethane	SNL0093646	LWDS-05-BH14	0	23-MAR-94	8240	5	U	5	EB
Bromodichloromethane	SNL0093654	LWDS-05-BH14	0	23-MAR-94	8240	5	U	5	TB
Bromodichloromethane	SNL0093655	LWDS-05-BH14	0	23-MAR-94	8240	5	U	5	TB
Bromodichloromethane	SNL0093705	LWDS-52-BH15	0	23-MAR-94	8240	5	U	5	EB
Bromodichloromethane	SNL0094080	LWDS-MW1	0	10-MAR-94	8240	0.005	U	0.005	TB
Bromodichloromethane	SNL0094280	LWDS-MW1	0	31-MAY-94	8260	0.001	U	0.001	TB
Bromodichloromethane	SNL0094281	LWDS-MW1	0	06-JUN-94	8260	0.001	U	0.001	EB
Bromodichloromethane	SNL0094298	LWDS-MW1	0	31-MAY-94	8260	0.001	U	0.001	TB
Bromodichloromethane	SNL0094302	LWDS-MW1	0	31-AUG-94	8260	0.001	U	0.001	EB
Bromodichloromethane	SNL0094317	LWDS-MW1	0	24-AUG-94	8260	0.001	U	0.001	TB
Bromodichloromethane	SNL0094348	LWDS-MW1	0	24-AUG-94	8260	0.005	U	0.005	TB
Bromodichloromethane	SNL0094376	LWDS-MW1	0	07-OCT-94	8010	0.001	U	0.001	EB
Bromodichloromethane	SNL0094377	LWDS-MW1	0	07-OCT-94	8010	0.001	U	0.001	EB
Bromodichloromethane	SNL0094378	LWDS-MW1	0	07-OCT-94	8010	0.001	U	0.001	EB
Bromodichloromethane	SNL0094379	LWDS-MW1	0	07-OCT-94	8010	0.001	U	0.001	TB
Bromodichloromethane	SNL0094386	LWDS-MW1	0	30-NOV-94	8010	0.001	U	0.001	TB
Bromodichloromethane	SNL0094411	LWDS-MW2	0	06-JUN-94	8260	0.001	U	0.001	TB
Bromodichloromethane	SNL0094412	LWDS-MW2	0	30-NOV-94	8010	0.001	U	0.001	TB

Table A-13. Trip blank and equipment blank results for ER Sites 4, 5, and 52.

Analyte	Sample Number	Sample Location	Sample Depth (Ft)	Sample Date	Analytical Method	Amount Detected (mg/L)	Qualifier	Method Detection Limit	Sample Type
Bromodichloromethane	SNL0094413	LWDS-MW2	0	07-DEC-94	8010	0.001	U	0.001	EB
Bromodichloromethane	SNL0094465	LWDS-MW1	0	18-MAR-96	8010	0.13	J	1	TB
Bromodichloromethane	SNL0094521	LWDS-MW2	0	21-SEP-95	8260	1	U	1	TB
Bromodichloromethane	SNL0094530	LWDS-MW1	0	25-SEP-95	8260	1	U	1	TB
Bromodichloromethane	SNL0094531	LWDS-MW1	0	25-SEP-95	8260	1	U	1	FB
Bromodichloromethane	SNL0094543	LWDS-MW2	0	14-DEC-95	8260	1	U	1	TB
Bromodichloromethane	SNL0094618	LWDS MW-2	0	27-FEB-95	8240	0.005	U	0.005	TB
Bromodichloromethane	SNL0094619	LWDS MW-2	0	01-MAR-95	8240	0.005	U	0.005	EB
Bromodichloromethane	SNL0094667	LWDS MW-1	0	02-MAR-95	8240	0.005	U	0.005	TB
Bromodichloromethane	SNL0094705	LWDS-MW2	0	12-JUN-95	8010	0.001	U	0.001	TB
Bromodichloromethane	SNL0094748	LWDS-MW2	0	12-JUN-95	8010	0.001	U	0.001	EB
Bromodichloromethane	SNL0094760	LWDS-MW1	0	14-JUN-95	8010	0.001	U	0.001	TB
Bromodichloromethane	SNL0099096	LWDS-MW2	0	24-JUN-93	8240	0.005	U	0.005	EB
Bromodichloromethane	SNL0099097	LWDS-MW2	0	24-JUN-93	8240	0.005	U	0.005	TB
Bromodichloromethane	SNL0099118	LWDS-MW1-DRUM	0	27-DEC-93	624	0.005	U	0.005	TB
Bromodichloromethane	031518-001	LWDS-MW1-TB		12-MAR-96	PA-SW846-80	0.11	U	0.11	TB
Bromoform	SNL0090027	LWDS-04-BH01	0	08-AUG-92	8240	5	U	5	EB
Bromoform	SNL0090029	LWDS-04-BH01	0	08-AUG-92	8240	5	U	5	TB
Bromoform	SNL0090030	LWDS-04-BH01	0	09-AUG-92	8240	5	U	5	EB
Bromoform	SNL0090032	LWDS-04-BH01	0	09-AUG-92	8240	5	U	5	TB
Bromoform	SNL0090053	LWDS-04-BH02	0	10-AUG-92	8240	5	U	5	EB
Bromoform	SNL0090055	LWDS-04-BH02	0	10-AUG-92	8240	5	U	5	TB
Bromoform	SNL0090162	LWDS-SS	0	16-JUL-92	8240	5	U	5	TB
Bromoform	SNL0090163	LWDS-SS	0	16-JUL-92	8240	5	U	5	TB
Bromoform	SNL0090416	LWDS-SS	0	16-JUL-92	8240	5	U	5	TB
Bromoform	SNL0090595	LWDS-04-BH02	0	11-AUG-92	8240	5	U	5	EB
Bromoform	SNL0090597	LWDS-04-BH02	0	11-AUG-92	8240	5	U	5	TB
Bromoform	SNL0090622	LWDS-04-BH03	0	12-AUG-92	8240	5	U	5	EB
Bromoform	SNL0090624	LWDS-04-BH03	0	12-AUG-92	8240	5	U	5	TB
Bromoform	SNL0090737	LWDS-SS	0	17-JUL-92	8240	5	U	5	TB
Bromoform	SNL0090934	LWDS-SS	0	17-JUL-92	8240	5	U	5	TB
Bromoform	SNL0091118	LWDS-SS	0	20-JUL-92	8240	5	U	5	TB
Bromoform	SNL0091157	LWDS-04-BH03	0	13-AUG-92	8240	5	U	5	EB
Bromoform	SNL0091171	LWDS-04-BH04	0	18-AUG-92	8240	5	U	5	EB
Bromoform	SNL0091174	LWDS-04-BH04	0	18-AUG-92	8240	5	U	5	TB
Bromoform	SNL0091191	LWDS-04-BH04	0	19-AUG-92	8240	5	U	5	EB
Bromoform	SNL0091193	LWDS-04-BH04	0	19-AUG-92	8240	5	U	5	TB
Bromoform	SNL0091242	LWDS-04-BH05	0	20-AUG-92	8240	5	U	5	TB
Bromoform	SNL0091256	LWDS-04-BH05	0	20-AUG-92	8240	5	U	5	EB
Bromoform	SNL0091257	LWDS-04-BH05	0	20-AUG-92	8240	5	U	5	TB
Bromoform	SNL0091272	LWDS-MW1	0	23-AUG-92	8240	5	U	5	EB
Bromoform	SNL0091274	LWDS-MW1	0	22-AUG-92	8240	5	U	5	EB
Bromoform	SNL0091276	LWDS-MW1	0	22-AUG-92	8240	5	U	5	TB
Bromoform	SNL0091291	LWDS-MW1	0	24-AUG-92	8240	5	U	5	EB
Bromoform	SNL0091293	LWDS-MW1	0	24-AUG-92	8240	5	U	5	TB
Bromoform	SNL0091298	LWDS-MW1	0	25-AUG-92	8240	5	U	5	EB
Bromoform	SNL0091300	LWDS-MW1	0	25-AUG-92	8240	5	U	5	TB
Bromoform	SNL0091933	LWDS-52-BH06	0	05-SEP-92	8240	5	U	5	EB
Bromoform	SNL0091935	LWDS-52-BH06	0	05-SEP-92	8240	5	U	5	TB
Bromoform	SNL0091944	LWDS-52-BH08	0	05-SEP-92	8240	5	U	5	EB
Bromoform	SNL0092723	LWDS-MW2	0	18-SEP-92	8240	5	U	5	TB
Bromoform	SNL0092746	LWDS-MW2	0	21-SEP-92	8240	5	U	5	TB
Bromoform	SNL0092791	LWDS-MW2	0	23-SEP-92	8240	5	U	5	EB
Bromoform	SNL0092801	LWDS-MW2	0	23-SEP-92	8240	5	U	5	TB
Bromoform	SNL0092835	LWDS-MW2	0	24-SEP-92	8240	5	U	5	TB
Bromoform	SNL0092847	LWDS-MW2	0	01-OCT-92	8240	5	U	5	TB
Bromoform	SNL0092859	LWDS-MW2	0	02-OCT-92	8240	5	U	5	TB
Bromoform	SNL0092871	LWDS-MW2	0	08-OCT-92	8240	5	U	5	EB
Bromoform	SNL0092881	LWDS-MW2	0	08-OCT-92	8240	5	U	5	TB
Bromoform	SNL0092948	LWDS-MW2	0	17-OCT-92	8240	5	U	5	TB
Bromoform	SNL0092970	LWDS-MW2	0	21-OCT-92	8240	5	U	5	TB
Bromoform	SNL0092989	LWDS-MW1	0	06-APR-93	8240	5	U	5	TB
Bromoform	SNL0093002	LWDS-MW1	0	08-APR-93	8240	5	U	5	TB
Bromoform	SNL0093003	LWDS-MW1	0	13-APR-93	8240	5	U	5	TB
Bromoform	SNL0093013	LWDS-MW1	0	14-APR-93	8240	5	U	5	TB
Bromoform	SNL0093035	LWDS-MW1	0	15-APR-93	8240	5	U	5	TB
Bromoform	SNL0093045	LWDS-MW1	0	17-APR-93	8240	5	U	5	TB
Bromoform	SNL0093082	LWDS-MW1	0	21-APR-93	8240	5	U	5	TB

Table A-13. Trip blank and equipment blank results for ER Sites 4, 5, and 52.

Analyte	Sample Number	Sample Location	Sample Depth (Ft)	Sample Date	Analytical Method	Amount Detected (mg/L)	Qualifier	Method Detection Limit	Sample Type
Bromoform	SNL0093092	LWDS-MW1	0	27-APR-93	8240	5	U	5	TB
Bromoform	SNL0093105	LWDS-MW1	0	28-APR-93	8240	5	U	5	EB
Bromoform	SNL0093114	LWDS-MW1	0	28-APR-93	8240	5	U	5	TB
Bromoform	SNL0093124	LWDS-MW1	0	30-APR-93	8240	5	U	5	TB
Bromoform	SNL0093135	LWDS-MW1	0	03-MAY-93	8240	5	U	5	TB
Bromoform	SNL0093236	LWDS-04-BH09	0	18-MAR-94	8240	5	U	5	EB
Bromoform	SNL0093244	LWDS-04-BH09	0	18-MAR-94	8240	5	U	5	TB
Bromoform	SNL0093245	LWDS-04-BH09	0	18-MAR-94	8240	5	U	5	TB
Bromoform	SNL0093274	LWDS-04-BH10	0	19-MAR-94	8240	5	U	5	EB
Bromoform	SNL0093285	LWDS-04-BH10	0	19-MAR-94	8240	5	U	5	TB
Bromoform	SNL0093286	LWDS-04-BH10	0	19-MAR-94	8240	5	U	5	TB
Bromoform	SNL0093367	LWDS-05-BH13	0	22-MAR-94	8240	5	U	5	EB
Bromoform	SNL0093375	LWDS-05-BH13	0	22-MAR-94	8240	5	U	5	TB
Bromoform	SNL0093376	LWDS-05-BH13	0	22-MAR-94	8240	5	U	5	TB
Bromoform	SNL0093457	LWDS-05-BH12	0	21-MAR-94	8240	5	U	5	EB
Bromoform	SNL0093465	LWDS-05-BH12	0	21-MAR-94	8240	5	U	5	TB
Bromoform	SNL0093466	LWDS-05-BH12	0	21-MAR-94	8240	5	U	5	TB
Bromoform	SNL0093572	LWDS-05-BH11	0	20-MAR-94	8240	5	U	5	TB
Bromoform	SNL0093573	LWDS-05-BH11	0	20-MAR-94	8240	5	U	5	TB
Bromoform	SNL0093574	LWDS-05-BH11	0	20-MAR-94	8240	5	U	5	EB
Bromoform	SNL0093614	LWDS-52-BH16	0	24-MAR-94	8240	5	U	5	EB
Bromoform	SNL0093622	LWDS-52-BH16	0	24-MAR-94	8240	5	U	5	TB
Bromoform	SNL0093646	LWDS-05-BH14	0	23-MAR-94	8240	5	U	5	EB
Bromoform	SNL0093654	LWDS-05-BH14	0	23-MAR-94	8240	5	U	5	TB
Bromoform	SNL0093655	LWDS-05-BH14	0	23-MAR-94	8240	5	U	5	TB
Bromoform	SNL0093705	LWDS-52-BH15	0	23-MAR-94	8240	5	U	5	EB
Bromoform	SNL0094080	LWDS-MW1	0	10-MAR-94	8240	0.005	U	0.005	TB
Bromoform	SNL0094280	LWDS-MW1	0	31-MAY-94	8260	0.002	U	0.002	TB
Bromoform	SNL0094281	LWDS-MW1	0	06-JUN-94	8260	0.002	U	0.002	EB
Bromoform	SNL0094298	LWDS-MW1	0	31-MAY-94	8260	0.002	U	0.002	TB
Bromoform	SNL0094302	LWDS-MW1	0	31-AUG-94	8260	0.002	U	0.002	EB
Bromoform	SNL0094317	LWDS-MW1	0	24-AUG-94	8260	0.002	U	0.002	TB
Bromoform	SNL0094348	LWDS-MW1	0	24-AUG-94	8260	0.005	U	0.005	TB
Bromoform	SNL0094376	LWDS-MW1	0	07-OCT-94	8010	0.001	U	0.001	EB
Bromoform	SNL0094377	LWDS-MW1	0	07-OCT-94	8010	0.001	U	0.001	EB
Bromoform	SNL0094378	LWDS-MW1	0	07-OCT-94	8010	0.001	U	0.001	EB
Bromoform	SNL0094379	LWDS-MW1	0	07-OCT-94	8010	0.001	U	0.001	TB
Bromoform	SNL0094386	LWDS-MW1	0	30-NOV-94	8010	0.001	U	0.001	TB
Bromoform	SNL0094411	LWDS-MW2	0	06-JUN-94	8260	0.002	U	0.002	TB
Bromoform	SNL0094412	LWDS-MW2	0	30-NOV-94	8010	0.001	U	0.001	TB
Bromoform	SNL0094413	LWDS-MW2	0	07-DEC-94	8010	0.001	U	0.001	EB
Bromoform	SNL0094465	LWDS-MW1	0	18-MAR-96	8010	5	U	5	TB
Bromoform	SNL0094521	LWDS-MW2	0	21-SEP-95	8260	1	U	1	TB
Bromoform	SNL0094530	LWDS-MW1	0	25-SEP-95	8260	1	U	1	TB
Bromoform	SNL0094531	LWDS-MW1	0	25-SEP-95	8260	1	U	1	FB
Bromoform	SNL0094543	LWDS-MW2	0	14-DEC-95	8260	1	U	1	TB
Bromoform	SNL0094618	LWDS MW-2	0	27-FEB-95	8240	0.005	U	0.005	TB
Bromoform	SNL0094619	LWDS MW-2	0	01-MAR-95	8240	0.005	U	0.005	EB
Bromoform	SNL0094667	LWDS MW-1	0	02-MAR-95	8240	0.005	U	0.005	TB
Bromoform	SNL0094705	LWDS-MW2	0	12-JUN-95	8010	0.001	U	0.001	TB
Bromoform	SNL0094748	LWDS-MW2	0	12-JUN-95	8010	0.001	U	0.001	EB
Bromoform	SNL0094760	LWDS-MW1	0	14-JUN-95	8010	0.001	U	0.001	TB
Bromoform	SNL0099096	LWDS-MW2	0	24-JUN-93	8240	0.005	U	0.005	EB
Bromoform	SNL0099097	LWDS-MW2	0	24-JUN-93	8240	0.005	U	0.005	TB
Bromoform	SNL0099118	LWDS-MW1-DRUM	0	27-DEC-93	624	0.005	U	0.005	TB
Bromoform	031518-001	LWDS-MW1-TB		12-MAR-96	PA-SW846-80	0.08	U	0.08	TB
Bromomethane	SNL0090027	LWDS-04-BH01	0	08-AUG-92	8240	10	U	10	EB
Bromomethane	SNL0090029	LWDS-04-BH01	0	08-AUG-92	8240	10	U	10	TB
Bromomethane	SNL0090030	LWDS-04-BH01	0	09-AUG-92	8240	10	U	10	EB
Bromomethane	SNL0090032	LWDS-04-BH01	0	09-AUG-92	8240	10	U	10	TB
Bromomethane	SNL0090053	LWDS-04-BH02	0	10-AUG-92	8240	10	U	10	EB
Bromomethane	SNL0090055	LWDS-04-BH02	0	10-AUG-92	8240	10	U	10	TB
Bromomethane	SNL0090162	LWDS-SS	0	16-JUL-92	8240	10	U	10	TB
Bromomethane	SNL0090163	LWDS-SS	0	16-JUL-92	8240	10	U	10	TB
Bromomethane	SNL0090416	LWDS-SS	0	16-JUL-92	8240	10	U	10	TB
Bromomethane	SNL0090595	LWDS-04-BH02	0	11-AUG-92	8240	10	U	10	EB
Bromomethane	SNL0090597	LWDS-04-BH02	0	11-AUG-92	8240	10	U	10	TB
Bromomethane	SNL0090622	LWDS-04-BH03	0	12-AUG-92	8240	10	U	10	EB

Table A-13. Trip blank and equipment blank results for ER Sites 4, 5, and 52.

Analyte	Sample Number	Sample Location	Sample Depth (Ft)	Sample Date	Analytical Method	Amount Detected (mg/L)	Qualifier	Method Detection Limit	Sample Type
Bromomethane	SNL0090624	LWDS-04-BH03	0	12-AUG-92	8240	10	U	10	TB
Bromomethane	SNL0090737	LWDS-SS	0	17-JUL-92	8240	10	U	10	TB
Bromomethane	SNL0090934	LWDS-SS	0	17-JUL-92	8240	10	U	10	TB
Bromomethane	SNL0091118	LWDS-SS	0	20-JUL-92	8240	10	U	10	TB
Bromomethane	SNL0091157	LWDS-04-BH03	0	13-AUG-92	8240	10	U	10	EB
Bromomethane	SNL0091171	LWDS-04-BH04	0	18-AUG-92	8240	10	U	10	EB
Bromomethane	SNL0091174	LWDS-04-BH04	0	18-AUG-92	8240	10	U	10	TB
Bromomethane	SNL0091191	LWDS-04-BH04	0	19-AUG-92	8240	10	U	10	EB
Bromomethane	SNL0091193	LWDS-04-BH04	0	19-AUG-92	8240	10	U	10	TB
Bromomethane	SNL0091242	LWDS-04-BH05	0	20-AUG-92	8240	10	U	10	TB
Bromomethane	SNL0091256	LWDS-04-BH05	0	20-AUG-92	8240	10	U	10	EB
Bromomethane	SNL0091257	LWDS-04-BH05	0	20-AUG-92	8240	10	U	10	TB
Bromomethane	SNL0091272	LWDS-MW1	0	23-AUG-92	8240	10	U	10	EB
Bromomethane	SNL0091274	LWDS-MW1	0	22-AUG-92	8240	10	U	10	EB
Bromomethane	SNL0091276	LWDS-MW1	0	22-AUG-92	8240	10	U	10	TB
Bromomethane	SNL0091291	LWDS-MW1	0	24-AUG-92	8240	10	U	10	EB
Bromomethane	SNL0091293	LWDS-MW1	0	24-AUG-92	8240	10	U	10	TB
Bromomethane	SNL0091298	LWDS-MW1	0	25-AUG-92	8240	10	U	10	EB
Bromomethane	SNL0091300	LWDS-MW1	0	25-AUG-92	8240	10	U	10	TB
Bromomethane	SNL0091933	LWDS-52-BH06	0	05-SEP-92	8240	10	U	10	EB
Bromomethane	SNL0091935	LWDS-52-BH06	0	05-SEP-92	8240	10	U	10	TB
Bromomethane	SNL0091944	LWDS-52-BH08	0	05-SEP-92	8240	10	U	10	EB
Bromomethane	SNL0092723	LWDS-MW2	0	18-SEP-92	8240	10	U	10	TB
Bromomethane	SNL0092746	LWDS-MW2	0	21-SEP-92	8240	10	U	10	TB
Bromomethane	SNL0092791	LWDS-MW2	0	23-SEP-92	8240	10	U	10	EB
Bromomethane	SNL0092801	LWDS-MW2	0	23-SEP-92	8240	10	U	10	TB
Bromomethane	SNL0092835	LWDS-MW2	0	24-SEP-92	8240	10	U	10	TB
Bromomethane	SNL0092847	LWDS-MW2	0	01-OCT-92	8240	10	U	10	TB
Bromomethane	SNL0092859	LWDS-MW2	0	02-OCT-92	8240	10	U	10	TB
Bromomethane	SNL0092871	LWDS-MW2	0	08-OCT-92	8240	10	U	10	EB
Bromomethane	SNL0092881	LWDS-MW2	0	08-OCT-92	8240	10	U	10	TB
Bromomethane	SNL0092948	LWDS-MW2	0	17-OCT-92	8240	10	U	10	TB
Bromomethane	SNL0092970	LWDS-MW2	0	21-OCT-92	8240	10	U	10	TB
Bromomethane	SNL0092989	LWDS-MW1	0	06-APR-93	8240	10	U	10	TB
Bromomethane	SNL0093002	LWDS-MW1	0	08-APR-93	8240	10	U	10	TB
Bromomethane	SNL0093003	LWDS-MW1	0	13-APR-93	8240	10	U	10	TB
Bromomethane	SNL0093013	LWDS-MW1	0	14-APR-93	8240	10	U	10	TB
Bromomethane	SNL0093035	LWDS-MW1	0	15-APR-93	8240	10	U	10	TB
Bromomethane	SNL0093045	LWDS-MW1	0	17-APR-93	8240	10	U	10	TB
Bromomethane	SNL0093082	LWDS-MW1	0	21-APR-93	8240	10	U	10	TB
Bromomethane	SNL0093092	LWDS-MW1	0	27-APR-93	8240	10	U	10	TB
Bromomethane	SNL0093105	LWDS-MW1	0	28-APR-93	8240	10	U	10	EB
Bromomethane	SNL0093114	LWDS-MW1	0	28-APR-93	8240	10	U	10	TB
Bromomethane	SNL0093124	LWDS-MW1	0	30-APR-93	8240	10	U	10	TB
Bromomethane	SNL0093135	LWDS-MW1	0	03-MAY-93	8240	10	U	10	TB
Bromomethane	SNL0093236	LWDS-04-BH09	0	18-MAR-94	8240	10	U	10	EB
Bromomethane	SNL0093244	LWDS-04-BH09	0	18-MAR-94	8240	10	U	10	TB
Bromomethane	SNL0093245	LWDS-04-BH09	0	18-MAR-94	8240	10	U	10	TB
Bromomethane	SNL0093274	LWDS-04-BH10	0	19-MAR-94	8240	10	U	10	EB
Bromomethane	SNL0093285	LWDS-04-BH10	0	19-MAR-94	8240	10	U	10	TB
Bromomethane	SNL0093286	LWDS-04-BH10	0	19-MAR-94	8240	10	U	10	TB
Bromomethane	SNL0093367	LWDS-05-BH13	0	22-MAR-94	8240	10	U	10	EB
Bromomethane	SNL0093375	LWDS-05-BH13	0	22-MAR-94	8240	10	U	10	TB
Bromomethane	SNL0093376	LWDS-05-BH13	0	22-MAR-94	8240	10	U	10	TB
Bromomethane	SNL0093457	LWDS-05-BH12	0	21-MAR-94	8240	10	U	10	EB
Bromomethane	SNL0093465	LWDS-05-BH12	0	21-MAR-94	8240	10	U	10	TB
Bromomethane	SNL0093466	LWDS-05-BH12	0	21-MAR-94	8240	10	U	10	TB
Bromomethane	SNL0093572	LWDS-05-BH11	0	20-MAR-94	8240	10	U	10	TB
Bromomethane	SNL0093573	LWDS-05-BH11	0	20-MAR-94	8240	10	U	10	TB
Bromomethane	SNL0093574	LWDS-05-BH11	0	20-MAR-94	8240	10	U	10	EB
Bromomethane	SNL0093614	LWDS-52-BH16	0	24-MAR-94	8240	10	U	10	EB
Bromomethane	SNL0093622	LWDS-52-BH16	0	24-MAR-94	8240	10	U	10	TB
Bromomethane	SNL0093646	LWDS-05-BH14	0	23-MAR-94	8240	10	U	10	EB
Bromomethane	SNL0093654	LWDS-05-BH14	0	23-MAR-94	8240	10	U	10	TB
Bromomethane	SNL0093655	LWDS-05-BH14	0	23-MAR-94	8240	10	U	10	TB
Bromomethane	SNL0093705	LWDS-52-BH15	0	23-MAR-94	8240	10	U	10	EB
Bromomethane	SNL0094080	LWDS-MW1	0	10-MAR-94	8240	0.01	U	0.01	TB
Bromomethane	SNL0094280	LWDS-MW1	0	31-MAY-94	8260	0.001	U	0.001	TB

Table A-13. Trip blank and equipment blank results for ER Sites 4, 5, and 52.

Analyte	Sample Number	Sample Location	Sample Depth (Ft)	Sample Date	Analytical Method	Amount Detected (mg/L)	Qualifier	Method Detection Limit	Sample Type
Bromomethane	SNL0094281	LWDS-MW1	0	06-JUN-94	8260	0.001	U	0.001	EB
Bromomethane	SNL0094298	LWDS-MW1	0	31-MAY-94	8260	0.001	U	0.001	TB
Bromomethane	SNL0094302	LWDS-MW1	0	31-AUG-94	8260	0.001	U	0.001	EB
Bromomethane	SNL0094317	LWDS-MW1	0	24-AUG-94	8260	0.001	U	0.001	TB
Bromomethane	SNL0094348	LWDS-MW1	0	24-AUG-94	8260	0.01	U	0.01	TB
Bromomethane	SNL0094376	LWDS-MW1	0	07-OCT-94	8010	0.001	U	0.001	EB
Bromomethane	SNL0094377	LWDS-MW1	0	07-OCT-94	8010	0.001	U	0.001	EB
Bromomethane	SNL0094378	LWDS-MW1	0	07-OCT-94	8010	0.001	U	0.001	EB
Bromomethane	SNL0094379	LWDS-MW1	0	07-OCT-94	8010	0.001	U	0.001	TB
Bromomethane	SNL0094386	LWDS-MW1	0	30-NOV-94	8010	0.001	U	0.001	TB
Bromomethane	SNL0094411	LWDS-MW2	0	06-JUN-94	8260	0.001	U	0.001	TB
Bromomethane	SNL0094412	LWDS-MW2	0	30-NOV-94	8010	0.001	U	0.001	TB
Bromomethane	SNL0094413	LWDS-MW2	0	07-DEC-94	8010	0.001	U	0.001	EB
Bromomethane	SNL0094465	LWDS-MW1	0	18-MAR-96	8010	5	U	5	TB
Bromomethane	SNL0094521	LWDS-MW2	0	21-SEP-95	8260	1	U	1	TB
Bromomethane	SNL0094530	LWDS-MW1	0	25-SEP-95	8260	1	U	1	TB
Bromomethane	SNL0094531	LWDS-MW1	0	25-SEP-95	8260	1	U	1	FB
Bromomethane	SNL0094543	LWDS-MW2	0	14-DEC-95	8260	1	U	1	TB
Bromomethane	SNL0094618	LWDS MW-2	0	27-FEB-95	8240	0.01	U	0.01	TB
Bromomethane	SNL0094619	LWDS MW-2	0	01-MAR-95	8240	0.01	U	0.01	EB
Bromomethane	SNL0094667	LWDS MW-1	0	02-MAR-95	8240	0.01	U	0.01	TB
Bromomethane	SNL0094705	LWDS-MW2	0	12-JUN-95	8010	0.001	U	0.001	TB
Bromomethane	SNL0094748	LWDS-MW2	0	12-JUN-95	8010	0.001	U	0.001	EB
Bromomethane	SNL0094760	LWDS-MW1	0	14-JUN-95	8010	0.001	U	0.001	TB
Bromomethane	SNL0099096	LWDS-MW2	0	24-JUN-93	8240	0.01	U	0.01	EB
Bromomethane	SNL0099097	LWDS-MW2	0	24-JUN-93	8240	0.01	U	0.01	TB
Bromomethane	SNL0099118	LWDS-MW1-DRUM	0	27-DEC-93	624	0.01	U	0.01	TB
Bromomethane	031518-001	LWDS-MW1-TB		12-MAR-96	PA-SW846-80	0.13	U	0.13	TB
bmophenyl phenyl ether,	SNL0090028	LWDS-04-BH01	0	08-AUG-92	8270	10	U	10	EB
bmophenyl phenyl ether,	SNL0090031	LWDS-04-BH01	0	09-AUG-92	8270	10	U	10	EB
bmophenyl phenyl ether,	SNL0090054	LWDS-04-BH02	0	10-AUG-92	8270	10	U	10	EB
bmophenyl phenyl ether,	SNL0090596	LWDS-04-BH02	0	11-AUG-92	8270	10	U	10	EB
bmophenyl phenyl ether,	SNL0090623	LWDS-04-BH03	0	12-AUG-92	8270	10	U	10	EB
bmophenyl phenyl ether,	SNL0091158	LWDS-04-BH03	0	13-AUG-92	8270	10	U	10	EB
bmophenyl phenyl ether,	SNL0091172	LWDS-04-BH04	0	18-AUG-92	8270	10	U	10	EB
bmophenyl phenyl ether,	SNL0091173	LWDS-04-BH04	0	18-AUG-92	8270	11	U	11	EB
bmophenyl phenyl ether,	SNL0091192	LWDS-04-BH04	0	19-AUG-92	8270	10	U	10	EB
bmophenyl phenyl ether,	SNL0091255	LWDS-04-BH05	0	20-AUG-92	8270	10	U	10	EB
bmophenyl phenyl ether,	SNL0091273	LWDS-MW1	0	23-AUG-92	8270	10	U	10	EB
bmophenyl phenyl ether,	SNL0091275	LWDS-MW1	0	22-AUG-92	8270	10	U	10	EB
bmophenyl phenyl ether,	SNL0091292	LWDS-MW1	0	24-AUG-92	8270	10	U	10	EB
bmophenyl phenyl ether,	SNL0091299	LWDS-MW1	0	25-AUG-92	8270	10	U	10	EB
bmophenyl phenyl ether,	SNL0091934	LWDS-52-BH06	0	05-SEP-92	8270	10	U	10	EB
bmophenyl phenyl ether,	SNL0091945	LWDS-52-BH08	0	05-SEP-92	8270	10	U	10	EB
bmophenyl phenyl ether,	SNL0092792	LWDS-MW2	0	23-SEP-92	8270	10	U	10	EB
bmophenyl phenyl ether,	SNL0092872	LWDS-MW2	0	08-OCT-92	8270	10	U	10	EB
bmophenyl phenyl ether,	SNL0093106	LWDS-MW1	0	28-APR-93	8270	10	U	10	EB
bmophenyl phenyl ether,	SNL0093237	LWDS-04-BH09	0	18-MAR-94	8270	10	U	10	EB
bmophenyl phenyl ether,	SNL0093275	LWDS-04-BH10	0	19-MAR-94	8270	10	U	10	EB
bmophenyl phenyl ether,	SNL0093368	LWDS-05-BH13	0	22-MAR-94	8270	10	U	10	EB
bmophenyl phenyl ether,	SNL0093458	LWDS-05-BH12	0	21-MAR-94	8270	10	U	10	EB
bmophenyl phenyl ether,	SNL0093575	LWDS-05-BH11	0	20-MAR-94	8270	10	U	10	EB
bmophenyl phenyl ether,	SNL0093615	LWDS-52-BH16	0	24-MAR-94	8270	10	U	10	EB
bmophenyl phenyl ether,	SNL0093647	LWDS-05-BH14	0	23-MAR-94	8270	10	U	10	EB
bmophenyl phenyl ether,	SNL0093706	LWDS-52-BH15	0	23-MAR-94	8270	10	U	10	EB
bmophenyl phenyl ether,	SNL0094017	LWDS-MW2	0	11-MAR-94	8270	0.01	U	0.01	EB
bmophenyl phenyl ether,	SNL0094282	LWDS-MW1	0	06-JUN-94	8270	0.01	U	0.01	EB
bmophenyl phenyl ether,	SNL0094303	LWDS-MW1	0	31-AUG-94	8270	0.01	U	0.01	EB
bmophenyl phenyl ether,	SNL0094414	LWDS-MW2	0	07-DEC-94	8270	0.01	U	0.01	EB
bmophenyl phenyl ether,	SNL0094620	LWDS MW-2	0	01-MAR-95	8270	0.01	U	0.01	EB
bmophenyl phenyl ether,	SNL0094749	LWDS-MW2	0	12-JUN-95	8270	0.01	U	0.01	EB
bmophenyl phenyl ether,	SNL0099100	LWDS-MW2	0	24-JUN-93	8270	0.01	U	0.01	EB
Butanone, 2-	SNL0090027	LWDS-04-BH01	0	08-AUG-92	8240	10	U	10	EB
Butanone, 2-	SNL0090029	LWDS-04-BH01	0	08-AUG-92	8240	10	U	10	TB
Butanone, 2-	SNL0090030	LWDS-04-BH01	0	09-AUG-92	8240	10	U	10	EB
Butanone, 2-	SNL0090032	LWDS-04-BH01	0	09-AUG-92	8240	10	U	10	TB
Butanone, 2-	SNL0090053	LWDS-04-BH02	0	10-AUG-92	8240	10	U	10	EB
Butanone, 2-	SNL0090055	LWDS-04-BH02	0	10-AUG-92	8240	10	U	10	TB

Table A-13. Trip blank and equipment blank results for ER Sites 4, 5, and 52.

Analyte	Sample Number	Sample Location	Sample Depth (Ft)	Sample Date	Analytical Method	Amount Detected (mg/L)	Qualifier	Method Detection Limit	Sample Type
Butanone, 2-	SNL0090162	LWDS-SS	0	16-JUL-92	8240	10	U	10	TB
Butanone, 2-	SNL0090163	LWDS-SS	0	16-JUL-92	8240	10	U	10	TB
Butanone, 2-	SNL0090416	LWDS-SS	0	16-JUL-92	8240	10	U	10	TB
Butanone, 2-	SNL0090595	LWDS-04-BH02	0	11-AUG-92	8240	10	U	10	EB
Butanone, 2-	SNL0090597	LWDS-04-BH02	0	11-AUG-92	8240	10	U	10	TB
Butanone, 2-	SNL0090622	LWDS-04-BH03	0	12-AUG-92	8240	10	U	10	EB
Butanone, 2-	SNL0090624	LWDS-04-BH03	0	12-AUG-92	8240	10	U	10	TB
Butanone, 2-	SNL0090737	LWDS-SS	0	17-JUL-92	8240	10	U	10	TB
Butanone, 2-	SNL0090934	LWDS-SS	0	17-JUL-92	8240	10	U	10	TB
Butanone, 2-	SNL0091118	LWDS-SS	0	20-JUL-92	8240	10	U	10	TB
Butanone, 2-	SNL0091157	LWDS-04-BH03	0	13-AUG-92	8240	10	U	10	EB
Butanone, 2-	SNL0091171	LWDS-04-BH04	0	18-AUG-92	8240	10	U	10	EB
Butanone, 2-	SNL0091174	LWDS-04-BH04	0	18-AUG-92	8240	10	U	10	TB
Butanone, 2-	SNL0091191	LWDS-04-BH04	0	19-AUG-92	8240	10	U	10	EB
Butanone, 2-	SNL0091193	LWDS-04-BH04	0	19-AUG-92	8240	10	U	10	TB
Butanone, 2-	SNL0091242	LWDS-04-BH05	0	20-AUG-92	8240	10	U	10	TB
Butanone, 2-	SNL0091256	LWDS-04-BH05	0	20-AUG-92	8240	10	U	10	EB
Butanone, 2-	SNL0091257	LWDS-04-BH05	0	20-AUG-92	8240	10	U	10	TB
Butanone, 2-	SNL0091272	LWDS-MW1	0	23-AUG-92	8240	10	U	10	EB
Butanone, 2-	SNL0091274	LWDS-MW1	0	22-AUG-92	8240	10	U	10	EB
Butanone, 2-	SNL0091276	LWDS-MW1	0	22-AUG-92	8240	10	U	10	TB
Butanone, 2-	SNL0091291	LWDS-MW1	0	24-AUG-92	8240	10	U	10	EB
Butanone, 2-	SNL0091293	LWDS-MW1	0	24-AUG-92	8240	10	U	10	TB
Butanone, 2-	SNL0091298	LWDS-MW1	0	25-AUG-92	8240	10	U	10	EB
Butanone, 2-	SNL0091300	LWDS-MW1	0	25-AUG-92	8240	10	U	10	TB
Butanone, 2-	SNL0091933	LWDS-52-BH06	0	05-SEP-92	8240	10	U	10	EB
Butanone, 2-	SNL0091935	LWDS-52-BH06	0	05-SEP-92	8240	10	U	10	TB
Butanone, 2-	SNL0091944	LWDS-52-BH08	0	05-SEP-92	8240	10	U	10	EB
Butanone, 2-	SNL0092723	LWDS-MW2	0	18-SEP-92	8240	10	U	10	TB
Butanone, 2-	SNL0092746	LWDS-MW2	0	21-SEP-92	8240	10	U	10	TB
Butanone, 2-	SNL0092791	LWDS-MW2	0	23-SEP-92	8240	10	U	10	EB
Butanone, 2-	SNL0092801	LWDS-MW2	0	23-SEP-92	8240	10	U	10	TB
Butanone, 2-	SNL0092835	LWDS-MW2	0	24-SEP-92	8240	10	U	10	TB
Butanone, 2-	SNL0092847	LWDS-MW2	0	01-OCT-92	8240	10	U	10	TB
Butanone, 2-	SNL0092859	LWDS-MW2	0	02-OCT-92	8240	10	U	10	TB
Butanone, 2-	SNL0092871	LWDS-MW2	0	08-OCT-92	8240	10	U	10	EB
Butanone, 2-	SNL0092881	LWDS-MW2	0	08-OCT-92	8240	10	U	10	TB
Butanone, 2-	SNL0092948	LWDS-MW2	0	17-OCT-92	8240	10	U	10	TB
Butanone, 2-	SNL0092970	LWDS-MW2	0	21-OCT-92	8240	10	U	10	TB
Butanone, 2-	SNL0092989	LWDS-MW1	0	06-APR-93	8240	10	U	10	TB
Butanone, 2-	SNL0093002	LWDS-MW1	0	08-APR-93	8240	10	U	10	TB
Butanone, 2-	SNL0093003	LWDS-MW1	0	13-APR-93	8240	10	U	10	TB
Butanone, 2-	SNL0093013	LWDS-MW1	0	14-APR-93	8240	10	U	10	TB
Butanone, 2-	SNL0093035	LWDS-MW1	0	15-APR-93	8240	10	U	10	TB
Butanone, 2-	SNL0093045	LWDS-MW1	0	17-APR-93	8240	10	U	10	TB
Butanone, 2-	SNL0093082	LWDS-MW1	0	21-APR-93	8240	10	U	10	TB
Butanone, 2-	SNL0093092	LWDS-MW1	0	27-APR-93	8240	10	U	10	TB
Butanone, 2-	SNL0093105	LWDS-MW1	0	28-APR-93	8240	10	U	10	EB
Butanone, 2-	SNL0093114	LWDS-MW1	0	28-APR-93	8240	10	U	10	TB
Butanone, 2-	SNL0093124	LWDS-MW1	0	30-APR-93	8240	10	U	10	TB
Butanone, 2-	SNL0093135	LWDS-MW1	0	03-MAY-93	8240	10	U	10	TB
Butanone, 2-	SNL0093236	LWDS-04-BH09	0	18-MAR-94	8240	10	U	10	EB
Butanone, 2-	SNL0093244	LWDS-04-BH09	0	18-MAR-94	8240	10	U	10	TB
Butanone, 2-	SNL0093245	LWDS-04-BH09	0	18-MAR-94	8240	10	U	10	TB
Butanone, 2-	SNL0093274	LWDS-04-BH10	0	19-MAR-94	8240	10	U	10	EB
Butanone, 2-	SNL0093285	LWDS-04-BH10	0	19-MAR-94	8240	10	U	10	TB
Butanone, 2-	SNL0093286	LWDS-04-BH10	0	19-MAR-94	8240	10	U	10	TB
Butanone, 2-	SNL0093367	LWDS-05-BH13	0	22-MAR-94	8240	10	U	10	EB
Butanone, 2-	SNL0093375	LWDS-05-BH13	0	22-MAR-94	8240	10	U	10	TB
Butanone, 2-	SNL0093376	LWDS-05-BH13	0	22-MAR-94	8240	10	U	10	TB
Butanone, 2-	SNL0093457	LWDS-05-BH12	0	21-MAR-94	8240	10	U	10	EB
Butanone, 2-	SNL0093465	LWDS-05-BH12	0	21-MAR-94	8240	10	U	10	TB
Butanone, 2-	SNL0093466	LWDS-05-BH12	0	21-MAR-94	8240	10	U	10	TB
Butanone, 2-	SNL0093572	LWDS-05-BH11	0	20-MAR-94	8240	10	U	10	TB
Butanone, 2-	SNL0093573	LWDS-05-BH11	0	20-MAR-94	8240	10	U	10	TB
Butanone, 2-	SNL0093574	LWDS-05-BH11	0	20-MAR-94	8240	10	U	10	EB
Butanone, 2-	SNL0093614	LWDS-52-BH16	0	24-MAR-94	8240	10	U	10	EB
Butanone, 2-	SNL0093622	LWDS-52-BH16	0	24-MAR-94	8240	10	U	10	TB

Table A-13. Trip blank and equipment blank results for ER Sites 4, 5, and 52.

Analyte	Sample Number	Sample Location	Sample Depth (Ft)	Sample Date	Analytical Method	Amount Detected (mg/L)	Qualifier	Method Detection Limit	Sample Type
Butanone, 2-	SNL0093646	LWDS-05-BH14	0	23-MAR-94	8240	10	U	10	EB
Butanone, 2-	SNL0093654	LWDS-05-BH14	0	23-MAR-94	8240	10	U	10	TB
Butanone, 2-	SNL0093655	LWDS-05-BH14	0	23-MAR-94	8240	10	U	10	TB
Butanone, 2-	SNL0093705	LWDS-52-BH15	0	23-MAR-94	8240	4.8	J	10	EB
Butanone, 2-	SNL0094080	LWDS-MW1	0	10-MAR-94	8240	0.01	U	0.01	TB
Butanone, 2-	SNL0094280	LWDS-MW1	0	31-MAY-94	8260	0.005	U	0.005	TB
Butanone, 2-	SNL0094281	LWDS-MW1	0	06-JUN-94	8260	0.005	U	0.005	EB
Butanone, 2-	SNL0094298	LWDS-MW1	0	31-MAY-94	8260	0.005	U	0.005	TB
Butanone, 2-	SNL0094302	LWDS-MW1	0	31-AUG-94	8260	0.005	B	0.005	EB
Butanone, 2-	SNL0094317	LWDS-MW1	0	24-AUG-94	8260	0.004	BJ	0.005	TB
Butanone, 2-	SNL0094348	LWDS-MW1	0	24-AUG-94	8260	0.005	B	0.01	TB
Butanone, 2-	SNL0094411	LWDS-MW2	0	06-JUN-94	8260	0.005	U	0.005	TB
Butanone, 2-	SNL0094618	LWDS MW-2	0	27-FEB-95	8240	0.01	U	0.01	TB
Butanone, 2-	SNL0094619	LWDS MW-2	0	01-MAR-95	8240	0.01	U	0.01	EB
Butanone, 2-	SNL0094667	LWDS MW-1	0	02-MAR-95	8240	0.01	U	0.01	TB
Butanone, 2-	SNL0099096	LWDS-MW2	0	24-JUN-93	8240	0.01	U	0.01	EB
Butanone, 2-	SNL0099097	LWDS-MW2	0	24-JUN-93	8240	0.002	J	0.01	TB
Butylbenzyl phthalate	SNL0090028	LWDS-04-BH01	0	08-AUG-92	8270	10	U	10	EB
Butylbenzyl phthalate	SNL0090031	LWDS-04-BH01	0	09-AUG-92	8270	10	U	10	EB
Butylbenzyl phthalate	SNL0090054	LWDS-04-BH02	0	10-AUG-92	8270	10	U	10	EB
Butylbenzyl phthalate	SNL0090596	LWDS-04-BH02	0	11-AUG-92	8270	10	U	10	EB
Butylbenzyl phthalate	SNL0090623	LWDS-04-BH03	0	12-AUG-92	8270	10	U	10	EB
Butylbenzyl phthalate	SNL0091158	LWDS-04-BH03	0	13-AUG-92	8270	10	U	10	EB
Butylbenzyl phthalate	SNL0091172	LWDS-04-BH04	0	18-AUG-92	8270	10	U	10	EB
Butylbenzyl phthalate	SNL0091173	LWDS-04-BH04	0	18-AUG-92	8270	11	U	11	EB
Butylbenzyl phthalate	SNL0091192	LWDS-04-BH04	0	19-AUG-92	8270	10	U	10	EB
Butylbenzyl phthalate	SNL0091255	LWDS-04-BH05	0	20-AUG-92	8270	10	U	10	EB
Butylbenzyl phthalate	SNL0091273	LWDS-MW1	0	23-AUG-92	8270	10	U	10	EB
Butylbenzyl phthalate	SNL0091275	LWDS-MW1	0	22-AUG-92	8270	10	U	10	EB
Butylbenzyl phthalate	SNL0091292	LWDS-MW1	0	24-AUG-92	8270	10	U	10	EB
Butylbenzyl phthalate	SNL0091299	LWDS-MW1	0	25-AUG-92	8270	10	U	10	EB
Butylbenzyl phthalate	SNL0091934	LWDS-52-BH06	0	05-SEP-92	8270	10	U	10	EB
Butylbenzyl phthalate	SNL0091945	LWDS-52-BH08	0	05-SEP-92	8270	10	U	10	EB
Butylbenzyl phthalate	SNL0092792	LWDS-MW2	0	23-SEP-92	8270	10	U	10	EB
Butylbenzyl phthalate	SNL0092872	LWDS-MW2	0	08-OCT-92	8270	10	U	10	EB
Butylbenzyl phthalate	SNL0093106	LWDS-MW1	0	28-APR-93	8270	10	U	10	EB
Butylbenzyl phthalate	SNL0093237	LWDS-04-BH09	0	18-MAR-94	8270	10	U	10	EB
Butylbenzyl phthalate	SNL0093275	LWDS-04-BH10	0	19-MAR-94	8270	10	U	10	EB
Butylbenzyl phthalate	SNL0093368	LWDS-05-BH13	0	22-MAR-94	8270	10	U	10	EB
Butylbenzyl phthalate	SNL0093458	LWDS-05-BH12	0	21-MAR-94	8270	10	U	10	EB
Butylbenzyl phthalate	SNL0093575	LWDS-05-BH11	0	20-MAR-94	8270	10	U	10	EB
Butylbenzyl phthalate	SNL0093615	LWDS-52-BH16	0	24-MAR-94	8270	10	U	10	EB
Butylbenzyl phthalate	SNL0093647	LWDS-05-BH14	0	23-MAR-94	8270	10	U	10	EB
Butylbenzyl phthalate	SNL0093706	LWDS-52-BH15	0	23-MAR-94	8270	10	U	10	EB
Butylbenzyl phthalate	SNL0094017	LWDS-MW2	0	11-MAR-94	8270	0.01	U	0.01	EB
Butylbenzyl phthalate	SNL0094282	LWDS-MW1	0	06-JUN-94	8270	0.01	U	0.01	EB
Butylbenzyl phthalate	SNL0094303	LWDS-MW1	0	31-AUG-94	8270	0.01	U	0.01	EB
Butylbenzyl phthalate	SNL0094414	LWDS-MW2	0	07-DEC-94	8270	0.01	U	0.01	EB
Butylbenzyl phthalate	SNL0094620	LWDS MW-2	0	01-MAR-95	8270	0.01	U	0.01	EB
Butylbenzyl phthalate	SNL0094749	LWDS-MW2	0	12-JUN-95	8270	0.01	U	0.01	EB
Butylbenzyl phthalate	SNL0099100	LWDS-MW2	0	24-JUN-93	8270	0.01	U	0.01	EB
Cadmium	SNL0091302	LWDS-04-BH01	0	09-AUG-92	6010	0.005	U	0.005	EB
Cadmium	SNL0091519	LWDS-04-BH01	0	08-AUG-92	6010	0.005	U	0.005	EB
Cadmium	SNL0091528	LWDS-04-BH02	0	10-AUG-92	6010	0.005	U	0.005	EB
Cadmium	SNL0091576	LWDS-04-BH02	0	11-AUG-92	6010	0.005	U	0.005	EB
Cadmium	SNL0091684	LWDS-04-BH03	0	12-AUG-92	6010	0.005	U	0.005	EB
Cadmium	SNL0091735	LWDS-04-BH03	0	13-AUG-92	6010	0.005	U	0.005	EB
Cadmium	SNL0091791	LWDS-04-BH04	0	18-AUG-92	6010	0.005	U	0.005	EB
Cadmium	SNL0091927	LWDS-04-BH04	0	19-AUG-92	6010	0.005	U	0.005	EB
Cadmium	SNL0092178	LWDS-04-BH05	0	20-AUG-92	6010	0.005	U	0.005	EB
Cadmium	SNL0092210	LWDS-MW1	0	24-AUG-92	6010	0.005	U	0.005	EB
Cadmium	SNL0092218	LWDS-MW1	0	22-AUG-92	6010	0.005	U	0.005	EB
Cadmium	SNL0092325	LWDS-MW1	0	23-AUG-92	6010	0.005	U	0.005	EB
Cadmium	SNL0092351	LWDS-MW1	0	25-AUG-92	6010	0.005	U	0.005	EB
Cadmium	SNL0092374	LWDS-52-BH06	0	05-SEP-92	6010	0.005	U	0.005	EB
Cadmium	SNL0092418	LWDS-52-BH08	0	05-SEP-92	6010	0.005	U	0.005	EB
Cadmium	SNL0092507	LWDS-52-BH07	0	07-SEP-92	6010	0.005	U	0.005	EB
Cadmium	SNL0092532	LWDS-MW2	0	07-SEP-92	6010	0.005	U	0.005	EB

Table A-13. Trip blank and equipment blank results for ER Sites 4, 5, and 52.

Analyte	Sample Number	Sample Location	Sample Depth (Ft)	Sample Date	Analytical Method	Amount Detected (mg/L)	Qualifier	Method Detection Limit	Sample Type
Cadmium	SNL0092685	LWDS-52-BH07	0	06-SEP-92	6010	0.005	U	0.005	EB
Cadmium	SNL0092795	LWDS-MW2	0	23-SEP-92	6010	0.005	U	0.005	EB
Cadmium	SNL0092875	LWDS-MW2	0	08-OCT-92	6010	0.005	U	0.005	EB
Cadmium	SNL0093107	LWDS-MW1	0	28-APR-93	6010	0.005	U	0.005	EB
Cadmium	SNL0093238	LWDS-04-BH09	0	18-MAR-94	6010	0.005	U	0.005	EB
Cadmium	SNL0093276	LWDS-04-BH10	0	19-MAR-94	6010	0.005	U	0.005	EB
Cadmium	SNL0093369	LWDS-05-BH13	0	22-MAR-94	6010	0.005	U	0.005	EB
Cadmium	SNL0093459	LWDS-05-BH12	0	21-MAR-94	6010	0.005	U	0.005	EB
Cadmium	SNL0093576	LWDS-05-BH11	0	20-MAR-94	6010	0.005	U	0.005	EB
Cadmium	SNL0093616	LWDS-52-BH16	0	24-MAR-94	6010	0.005	U	0.005	EB
Cadmium	SNL0093648	LWDS-05-BH14	0	23-MAR-94	6010	0.005	U	0.005	EB
Cadmium	SNL0093707	LWDS-52-BH15	0	23-MAR-94	6010	0.005	U	0.005	EB
Cadmium	SNL0094026	LWDS-MW2	0	09-MAR-94	6010	0.005	U	0.005	EB
Cadmium	SNL0094283	LWDS-MW1	0	06-JUN-94	6010	0.005	U	0.005	EB
Cadmium	SNL0094304	LWDS-MW1	0	31-AUG-94	6010	0.005	U	0.005	EB
Cadmium	SNL0094415	LWDS-MW2	0	07-DEC-94	6010	0.005	U	0.005	EB
Cadmium	SNL0094621	LWDS MW-2	0	01-MAR-95	6010	0.005	U	0.005	EB
Cadmium	SNL0094750	LWDS-MW2	0	12-JUN-95	6010	0.005	U	0.005	EB
Cadmium	SNL0099067	LWDS-MW2	0	24-JUN-93	6010	0.005	U	0.005	EB
Cadmium-109	SNL0094220	LWDS-04-BH09-EB	0	18-MAR-94	GAMMA	0.535	U	0.535	EB
Cadmium-109	SNL0094223	LWDS-04-BH10-EB	0	19-MAR-94	GAMMA	0.50415	U	0.50415	EB
Cadmium-109	SNL0094226	LWDS-05-BH11-EB	0	20-MAR-94	GAMMA	0.534		100000000	EB
Cadmium-109	SNL0094227	LWDS-MW1	0	06-JUN-94	GAMMA	0.314	U	0.314	EB
Cadmium-109	SNL0094243	LWDS-MW2	0	07-DEC-94	GAMMA	0.199	U	0.199	EB
Cadmium-109	SNL0094247	LWDS-MW1	0	08-DEC-94	GAMMA	0.27	U	0.27	FB
Calcium	SNL0091302	LWDS-04-BH01	0	09-AUG-92	6010	19.6		0.2	EB
Calcium	SNL0091519	LWDS-04-BH01	0	08-AUG-92	6010	2.4	B	0.2	EB
Calcium	SNL0091528	LWDS-04-BH02	0	10-AUG-92	6010	6.7	B	0.2	EB
Calcium	SNL0091576	LWDS-04-BH02	0	11-AUG-92	6010	0.69		0.2	EB
Calcium	SNL0091684	LWDS-04-BH03	0	12-AUG-92	6010	0.56	B	0.2	EB
Calcium	SNL0091735	LWDS-04-BH03	0	13-AUG-92	6010	0.71		0.2	EB
Calcium	SNL0091791	LWDS-04-BH04	0	18-AUG-92	6010	0.52		0.2	EB
Calcium	SNL0091927	LWDS-04-BH04	0	19-AUG-92	6010	0.58		0.2	EB
Calcium	SNL0092178	LWDS-04-BH05	0	20-AUG-92	6010	3.2		0.2	EB
Calcium	SNL0092210	LWDS-MW1	0	24-AUG-92	6010	1.4		0.2	EB
Calcium	SNL0092218	LWDS-MW1	0	22-AUG-92	6010	1.3		0.2	EB
Calcium	SNL0092325	LWDS-MW1	0	23-AUG-92	6010	2.2		0.2	EB
Calcium	SNL0092351	LWDS-MW1	0	25-AUG-92	6010	6.6		0.2	EB
Calcium	SNL0092374	LWDS-52-BH06	0	05-SEP-92	6010	0.94	B	0.2	EB
Calcium	SNL0092418	LWDS-52-BH08	0	05-SEP-92	6010	1.6	B	0.2	EB
Calcium	SNL0092507	LWDS-52-BH07	0	07-SEP-92	6010	0.63		0.2	EB
Calcium	SNL0092532	LWDS-MW2	0	07-SEP-92	6010	1.1		0.2	EB
Calcium	SNL0092685	LWDS-52-BH07	0	06-SEP-92	6010	2.4		0.2	EB
Calcium	SNL0092795	LWDS-MW2	0	23-SEP-92	6010	215		0.2	EB
Calcium	SNL0092875	LWDS-MW2	0	08-OCT-92	6010	0.2	U	0.2	EB
Calcium	SNL0093107	LWDS-MW1	0	28-APR-93	6010	1.8		0.2	EB
Calcium	SNL0093238	LWDS-04-BH09	0	18-MAR-94	6010	0.32		0.2	EB
Calcium	SNL0093276	LWDS-04-BH10	0	19-MAR-94	6010	0.22		0.2	EB
Calcium	SNL0093369	LWDS-05-BH13	0	22-MAR-94	6010	0.42		0.2	EB
Calcium	SNL0093459	LWDS-05-BH12	0	21-MAR-94	6010	0.23		0.2	EB
Calcium	SNL0093576	LWDS-05-BH11	0	20-MAR-94	6010	0.3		0.2	EB
Calcium	SNL0093616	LWDS-52-BH16	0	24-MAR-94	6010	0.15	J	0.2	EB
Calcium	SNL0093648	LWDS-05-BH14	0	23-MAR-94	6010	0.39		0.2	EB
Calcium	SNL0093707	LWDS-52-BH15	0	23-MAR-94	6010	0.44		0.2	EB
Calcium	SNL0094023	LWDS-MW2	0	09-MAR-94	6010	0.2	U	0.2	EB
Calcium	SNL0094026	LWDS-MW2	0	09-MAR-94	6010	0.32		0.2	EB
Calcium	SNL0094283	LWDS-MW1	0	06-JUN-94	6010	0.2	U	0.2	EB
Calcium	SNL0094289	LWDS-MW1	0	06-JUN-94	6010	0.2	U	0.2	EB
Calcium	SNL0094304	LWDS-MW1	0	31-AUG-94	6010	5	U	5	EB
Calcium	SNL0094310	LWDS-MW1	0	31-AUG-94	6010	0.35		0.2	EB
Calcium	SNL0094415	LWDS-MW2	0	07-DEC-94	6010	5	U	5	EB
Calcium	SNL0094423	LWDS-MW2	0	07-DEC-94	6010	0.2	U	0.2	EB
Calcium	SNL0094621	LWDS MW-2	0	01-MAR-95	6010	5	U	5	EB
Calcium	SNL0094628	LWDS MW-2	0	01-MAR-95	6010	0.2	U	0.2	EB
Calcium	SNL0094750	LWDS-MW2	0	12-JUN-95	6010	5	U	5	EB
Calcium	SNL0094759	LWDS-MW2	0	12-JUN-95	6010	5	U	5	EB
Calcium	SNL0099067	LWDS-MW2	0	24-JUN-93	6010	0.2	U	0.2	EB
Carbazole	SNL0093237	LWDS-04-BH09	0	18-MAR-94	8270	10	U	10	EB

Table A-13. Trip blank and equipment blank results for ER Sites 4, 5, and 52.

Analyte	Sample Number	Sample Location	Sample Depth (Ft)	Sample Date	Analytical Method	Amount Detected (mg/L)	Qualifier	Method Detection Limit	Sample Type
Carbazole	SNL0093275	LWDS-04-BH10	0	19-MAR-94	8270	10	U	10	EB
Carbazole	SNL0093368	LWDS-05-BH13	0	22-MAR-94	8270	10	U	10	EB
Carbazole	SNL0093458	LWDS-05-BH12	0	21-MAR-94	8270	10	U	10	EB
Carbazole	SNL0093575	LWDS-05-BH11	0	20-MAR-94	8270	10	U	10	EB
Carbazole	SNL0093615	LWDS-52-BH16	0	24-MAR-94	8270	10	U	10	EB
Carbazole	SNL0093647	LWDS-05-BH14	0	23-MAR-94	8270	10	U	10	EB
Carbazole	SNL0093706	LWDS-52-BH15	0	23-MAR-94	8270	10	U	10	EB
Carbon disulfide	SNL0090027	LWDS-04-BH01	0	08-AUG-92	8240	5	U	5	EB
Carbon disulfide	SNL0090029	LWDS-04-BH01	0	08-AUG-92	8240	5	U	5	TB
Carbon disulfide	SNL0090030	LWDS-04-BH01	0	09-AUG-92	8240	5	U	5	EB
Carbon disulfide	SNL0090032	LWDS-04-BH01	0	09-AUG-92	8240	5	U	5	TB
Carbon disulfide	SNL0090053	LWDS-04-BH02	0	10-AUG-92	8240	5	U	5	EB
Carbon disulfide	SNL0090055	LWDS-04-BH02	0	10-AUG-92	8240	5	U	5	TB
Carbon disulfide	SNL0090162	LWDS-SS	0	16-JUL-92	8240	5	U	5	TB
Carbon disulfide	SNL0090163	LWDS-SS	0	16-JUL-92	8240	5	U	5	TB
Carbon disulfide	SNL0090416	LWDS-SS	0	16-JUL-92	8240	5	U	5	TB
Carbon disulfide	SNL0090595	LWDS-04-BH02	0	11-AUG-92	8240	5	U	5	EB
Carbon disulfide	SNL0090597	LWDS-04-BH02	0	11-AUG-92	8240	5	U	5	TB
Carbon disulfide	SNL0090622	LWDS-04-BH03	0	12-AUG-92	8240	5	U	5	EB
Carbon disulfide	SNL0090624	LWDS-04-BH03	0	12-AUG-92	8240	5	U	5	TB
Carbon disulfide	SNL0090737	LWDS-SS	0	17-JUL-92	8240	5	U	5	TB
Carbon disulfide	SNL0090934	LWDS-SS	0	17-JUL-92	8240	5	U	5	TB
Carbon disulfide	SNL0091118	LWDS-SS	0	20-JUL-92	8240	5	U	5	TB
Carbon disulfide	SNL0091157	LWDS-04-BH03	0	13-AUG-92	8240	5	U	5	EB
Carbon disulfide	SNL0091171	LWDS-04-BH04	0	18-AUG-92	8240	5	U	5	EB
Carbon disulfide	SNL0091174	LWDS-04-BH04	0	18-AUG-92	8240	5	U	5	TB
Carbon disulfide	SNL0091191	LWDS-04-BH04	0	19-AUG-92	8240	5	U	5	EB
Carbon disulfide	SNL0091193	LWDS-04-BH04	0	19-AUG-92	8240	5	U	5	TB
Carbon disulfide	SNL0091242	LWDS-04-BH05	0	20-AUG-92	8240	5	U	5	TB
Carbon disulfide	SNL0091256	LWDS-04-BH05	0	20-AUG-92	8240	5	U	5	EB
Carbon disulfide	SNL0091257	LWDS-04-BH05	0	20-AUG-92	8240	5	U	5	TB
Carbon disulfide	SNL0091272	LWDS-MW1	0	23-AUG-92	8240	10		5	EB
Carbon disulfide	SNL0091274	LWDS-MW1	0	22-AUG-92	8240	5	U	5	EB
Carbon disulfide	SNL0091276	LWDS-MW1	0	22-AUG-92	8240	5	U	5	TB
Carbon disulfide	SNL0091291	LWDS-MW1	0	24-AUG-92	8240	5	U	5	EB
Carbon disulfide	SNL0091293	LWDS-MW1	0	24-AUG-92	8240	5	U	5	TB
Carbon disulfide	SNL0091298	LWDS-MW1	0	25-AUG-92	8240	5	U	5	EB
Carbon disulfide	SNL0091300	LWDS-MW1	0	25-AUG-92	8240	5	U	5	TB
Carbon disulfide	SNL0091933	LWDS-52-BH06	0	05-SEP-92	8240	5	U	5	EB
Carbon disulfide	SNL0091935	LWDS-52-BH06	0	05-SEP-92	8240	5	U	5	TB
Carbon disulfide	SNL0091944	LWDS-52-BH08	0	05-SEP-92	8240	5	U	5	EB
Carbon disulfide	SNL0092723	LWDS-MW2	0	18-SEP-92	8240	5	U	5	TB
Carbon disulfide	SNL0092746	LWDS-MW2	0	21-SEP-92	8240	5	U	5	TB
Carbon disulfide	SNL0092791	LWDS-MW2	0	23-SEP-92	8240	5	U	5	EB
Carbon disulfide	SNL0092801	LWDS-MW2	0	23-SEP-92	8240	5	U	5	TB
Carbon disulfide	SNL0092835	LWDS-MW2	0	24-SEP-92	8240	5	U	5	TB
Carbon disulfide	SNL0092847	LWDS-MW2	0	01-OCT-92	8240	5	U	5	TB
Carbon disulfide	SNL0092859	LWDS-MW2	0	02-OCT-92	8240	5	U	5	TB
Carbon disulfide	SNL0092871	LWDS-MW2	0	08-OCT-92	8240	5	U	5	EB
Carbon disulfide	SNL0092881	LWDS-MW2	0	08-OCT-92	8240	5	U	5	TB
Carbon disulfide	SNL0092948	LWDS-MW2	0	17-OCT-92	8240	5	U	5	TB
Carbon disulfide	SNL0092970	LWDS-MW2	0	21-OCT-92	8240	5	U	5	TB
Carbon disulfide	SNL0092989	LWDS-MW1	0	06-APR-93	8240	5	U	5	TB
Carbon disulfide	SNL0093002	LWDS-MW1	0	08-APR-93	8240	5	U	5	TB
Carbon disulfide	SNL0093003	LWDS-MW1	0	13-APR-93	8240	5	U	5	TB
Carbon disulfide	SNL0093013	LWDS-MW1	0	14-APR-93	8240	5	U	5	TB
Carbon disulfide	SNL0093035	LWDS-MW1	0	15-APR-93	8240	5	U	5	TB
Carbon disulfide	SNL0093045	LWDS-MW1	0	17-APR-93	8240	5	U	5	TB
Carbon disulfide	SNL0093082	LWDS-MW1	0	21-APR-93	8240	5	U	5	TB
Carbon disulfide	SNL0093092	LWDS-MW1	0	27-APR-93	8240	5	U	5	TB
Carbon disulfide	SNL0093105	LWDS-MW1	0	28-APR-93	8240	5	U	5	EB
Carbon disulfide	SNL0093114	LWDS-MW1	0	28-APR-93	8240	5	U	5	TB
Carbon disulfide	SNL0093124	LWDS-MW1	0	30-APR-93	8240	5	U	5	TB
Carbon disulfide	SNL0093135	LWDS-MW1	0	03-MAY-93	8240	5	U	5	TB
Carbon disulfide	SNL0093236	LWDS-04-BH09	0	18-MAR-94	8240	5	U	5	EB
Carbon disulfide	SNL0093244	LWDS-04-BH09	0	18-MAR-94	8240	5	U	5	TB
Carbon disulfide	SNL0093245	LWDS-04-BH09	0	18-MAR-94	8240	5	U	5	TB
Carbon disulfide	SNL0093274	LWDS-04-BH10	0	19-MAR-94	8240	5	U	5	EB

Table A-13. Trip blank and equipment blank results for ER Sites 4, 5, and 52.

Analyte	Sample Number	Sample Location	Sample Depth (Ft)	Sample Date	Analytical Method	Amount Detected (mg/L)	Qualifier	Method Detection Limit	Sample Type
Carbon disulfide	SNL0093285	LWDS-04-BH10	0	19-MAR-94	8240	5	U	5	TB
Carbon disulfide	SNL0093286	LWDS-04-BH10	0	19-MAR-94	8240	5	U	5	TB
Carbon disulfide	SNL0093367	LWDS-05-BH13	0	22-MAR-94	8240	5	U	5	EB
Carbon disulfide	SNL0093375	LWDS-05-BH13	0	22-MAR-94	8240	5	U	5	TB
Carbon disulfide	SNL0093376	LWDS-05-BH13	0	22-MAR-94	8240	5	U	5	TB
Carbon disulfide	SNL0093457	LWDS-05-BH12	0	21-MAR-94	8240	5	U	5	EB
Carbon disulfide	SNL0093465	LWDS-05-BH12	0	21-MAR-94	8240	5	U	5	TB
Carbon disulfide	SNL0093466	LWDS-05-BH12	0	21-MAR-94	8240	5	U	5	TB
Carbon disulfide	SNL0093572	LWDS-05-BH11	0	20-MAR-94	8240	1.5	J	5	TB
Carbon disulfide	SNL0093573	LWDS-05-BH11	0	20-MAR-94	8240	5	U	5	TB
Carbon disulfide	SNL0093574	LWDS-05-BH11	0	20-MAR-94	8240	5	U	5	EB
Carbon disulfide	SNL0093614	LWDS-52-BH16	0	24-MAR-94	8240	5	U	5	EB
Carbon disulfide	SNL0093622	LWDS-52-BH16	0	24-MAR-94	8240	5	U	5	TB
Carbon disulfide	SNL0093646	LWDS-05-BH14	0	23-MAR-94	8240	5	U	5	EB
Carbon disulfide	SNL0093654	LWDS-05-BH14	0	23-MAR-94	8240	5	U	5	TB
Carbon disulfide	SNL0093655	LWDS-05-BH14	0	23-MAR-94	8240	5	U	5	TB
Carbon disulfide	SNL0093705	LWDS-52-BH15	0	23-MAR-94	8240	5	U	5	EB
Carbon disulfide	SNL0094080	LWDS-MW1	0	10-MAR-94	8240	0.005	U	0.005	TB
Carbon disulfide	SNL0094280	LWDS-MW1	0	31-MAY-94	8260	0.002	J	0.001	TB
Carbon disulfide	SNL0094281	LWDS-MW1	0	06-JUN-94	8260	0.001	U	0.001	EB
Carbon disulfide	SNL0094298	LWDS-MW1	0	31-MAY-94	8260	0.001	U	0.001	TB
Carbon disulfide	SNL0094302	LWDS-MW1	0	31-AUG-94	8260	0.001	U	0.001	EB
Carbon disulfide	SNL0094317	LWDS-MW1	0	24-AUG-94	8260	0.001	U	0.001	TB
Carbon disulfide	SNL0094348	LWDS-MW1	0	24-AUG-94	8260	0.005	U	0.005	TB
Carbon disulfide	SNL0094411	LWDS-MW2	0	06-JUN-94	8260	0.001	U	0.001	TB
Carbon disulfide	SNL0094618	LWDS MW-2	0	27-FEB-95	8240	0.005	U	0.005	TB
Carbon disulfide	SNL0094619	LWDS MW-2	0	01-MAR-95	8240	0.005	U	0.005	EB
Carbon disulfide	SNL0094667	LWDS MW-1	0	02-MAR-95	8240	0.005	U	0.005	TB
Carbon disulfide	SNL0099096	LWDS-MW2	0	24-JUN-93	8240	0.005	U	0.005	EB
Carbon disulfide	SNL0099097	LWDS-MW2	0	24-JUN-93	8240	0.005	U	0.005	TB
Carbon tetrachloride	SNL0090027	LWDS-04-BH01	0	08-AUG-92	8240	5	U	5	EB
Carbon tetrachloride	SNL0090029	LWDS-04-BH01	0	08-AUG-92	8240	5	U	5	TB
Carbon tetrachloride	SNL0090030	LWDS-04-BH01	0	09-AUG-92	8240	5	U	5	EB
Carbon tetrachloride	SNL0090032	LWDS-04-BH01	0	09-AUG-92	8240	5	U	5	TB
Carbon tetrachloride	SNL0090053	LWDS-04-BH02	0	10-AUG-92	8240	5	U	5	EB
Carbon tetrachloride	SNL0090055	LWDS-04-BH02	0	10-AUG-92	8240	5	U	5	TB
Carbon tetrachloride	SNL0090162	LWDS-SS	0	16-JUL-92	8240	5	U	5	TB
Carbon tetrachloride	SNL0090163	LWDS-SS	0	16-JUL-92	8240	5	U	5	TB
Carbon tetrachloride	SNL0090416	LWDS-SS	0	16-JUL-92	8240	5	U	5	TB
Carbon tetrachloride	SNL0090595	LWDS-04-BH02	0	11-AUG-92	8240	5	U	5	EB
Carbon tetrachloride	SNL0090597	LWDS-04-BH02	0	11-AUG-92	8240	5	U	5	TB
Carbon tetrachloride	SNL0090622	LWDS-04-BH03	0	12-AUG-92	8240	5	U	5	EB
Carbon tetrachloride	SNL0090624	LWDS-04-BH03	0	12-AUG-92	8240	5	U	5	TB
Carbon tetrachloride	SNL0090737	LWDS-SS	0	17-JUL-92	8240	5	U	5	TB
Carbon tetrachloride	SNL0090934	LWDS-SS	0	17-JUL-92	8240	5	U	5	TB
Carbon tetrachloride	SNL0091118	LWDS-SS	0	20-JUL-92	8240	5	U	5	TB
Carbon tetrachloride	SNL0091157	LWDS-04-BH03	0	13-AUG-92	8240	5	U	5	EB
Carbon tetrachloride	SNL0091171	LWDS-04-BH04	0	18-AUG-92	8240	5	U	5	EB
Carbon tetrachloride	SNL0091174	LWDS-04-BH04	0	18-AUG-92	8240	5	U	5	TB
Carbon tetrachloride	SNL0091191	LWDS-04-BH04	0	19-AUG-92	8240	5	U	5	EB
Carbon tetrachloride	SNL0091193	LWDS-04-BH04	0	19-AUG-92	8240	5	U	5	TB
Carbon tetrachloride	SNL0091242	LWDS-04-BH05	0	20-AUG-92	8240	5	U	5	TB
Carbon tetrachloride	SNL0091256	LWDS-04-BH05	0	20-AUG-92	8240	5	U	5	EB
Carbon tetrachloride	SNL0091257	LWDS-04-BH05	0	20-AUG-92	8240	5	U	5	TB
Carbon tetrachloride	SNL0091272	LWDS-MW1	0	23-AUG-92	8240	5	U	5	EB
Carbon tetrachloride	SNL0091274	LWDS-MW1	0	22-AUG-92	8240	5	U	5	EB
Carbon tetrachloride	SNL0091276	LWDS-MW1	0	22-AUG-92	8240	5	U	5	TB
Carbon tetrachloride	SNL0091291	LWDS-MW1	0	24-AUG-92	8240	5	U	5	EB
Carbon tetrachloride	SNL0091293	LWDS-MW1	0	24-AUG-92	8240	5	U	5	TB
Carbon tetrachloride	SNL0091298	LWDS-MW1	0	25-AUG-92	8240	5	U	5	EB
Carbon tetrachloride	SNL0091300	LWDS-MW1	0	25-AUG-92	8240	5	U	5	TB
Carbon tetrachloride	SNL0091933	LWDS-52-BH06	0	05-SEP-92	8240	5	U	5	EB
Carbon tetrachloride	SNL0091935	LWDS-52-BH06	0	05-SEP-92	8240	5	U	5	TB
Carbon tetrachloride	SNL0091944	LWDS-52-BH08	0	05-SEP-92	8240	5	U	5	EB
Carbon tetrachloride	SNL0092723	LWDS-MW2	0	18-SEP-92	8240	5	U	5	TB
Carbon tetrachloride	SNL0092746	LWDS-MW2	0	21-SEP-92	8240	5	U	5	TB
Carbon tetrachloride	SNL0092791	LWDS-MW2	0	23-SEP-92	8240	5	U	5	EB
Carbon tetrachloride	SNL0092801	LWDS-MW2	0	23-SEP-92	8240	5	U	5	TB

Table A-13. Trip blank and equipment blank results for ER Sites 4, 5, and 52.

Analyte	Sample Number	Sample Location	Sample Depth (Ft)	Sample Date	Analytical Method	Amount Detected (mg/L)	Qualifier	Method Detection Limit	Sample Type
Carbon tetrachloride	SNL0092835	LWDS-MW2	0	24-SEP-92	8240	5	U	5	TB
Carbon tetrachloride	SNL0092847	LWDS-MW2	0	01-OCT-92	8240	5	U	5	TB
Carbon tetrachloride	SNL0092859	LWDS-MW2	0	02-OCT-92	8240	5	U	5	TB
Carbon tetrachloride	SNL0092871	LWDS-MW2	0	08-OCT-92	8240	5	U	5	EB
Carbon tetrachloride	SNL0092881	LWDS-MW2	0	08-OCT-92	8240	5	U	5	TB
Carbon tetrachloride	SNL0092948	LWDS-MW2	0	17-OCT-92	8240	5	U	5	TB
Carbon tetrachloride	SNL0092970	LWDS-MW2	0	21-OCT-92	8240	5	U	5	TB
Carbon tetrachloride	SNL0092989	LWDS-MW1	0	06-APR-93	8240	5	U	5	TB
Carbon tetrachloride	SNL0093002	LWDS-MW1	0	08-APR-93	8240	5	U	5	TB
Carbon tetrachloride	SNL0093003	LWDS-MW1	0	13-APR-93	8240	5	U	5	TB
Carbon tetrachloride	SNL0093013	LWDS-MW1	0	14-APR-93	8240	5	U	5	TB
Carbon tetrachloride	SNL0093035	LWDS-MW1	0	15-APR-93	8240	5	U	5	TB
Carbon tetrachloride	SNL0093045	LWDS-MW1	0	17-APR-93	8240	5	U	5	TB
Carbon tetrachloride	SNL0093082	LWDS-MW1	0	21-APR-93	8240	5	U	5	TB
Carbon tetrachloride	SNL0093092	LWDS-MW1	0	27-APR-93	8240	5	U	5	TB
Carbon tetrachloride	SNL0093105	LWDS-MW1	0	28-APR-93	8240	5	U	5	EB
Carbon tetrachloride	SNL0093114	LWDS-MW1	0	28-APR-93	8240	5	U	5	TB
Carbon tetrachloride	SNL0093124	LWDS-MW1	0	30-APR-93	8240	5	U	5	TB
Carbon tetrachloride	SNL0093135	LWDS-MW1	0	03-MAY-93	8240	5	U	5	TB
Carbon tetrachloride	SNL0093236	LWDS-04-BH09	0	18-MAR-94	8240	5	U	5	EB
Carbon tetrachloride	SNL0093244	LWDS-04-BH09	0	18-MAR-94	8240	5	U	5	TB
Carbon tetrachloride	SNL0093245	LWDS-04-BH09	0	18-MAR-94	8240	5	U	5	TB
Carbon tetrachloride	SNL0093274	LWDS-04-BH10	0	19-MAR-94	8240	5	U	5	EB
Carbon tetrachloride	SNL0093285	LWDS-04-BH10	0	19-MAR-94	8240	5	U	5	TB
Carbon tetrachloride	SNL0093286	LWDS-04-BH10	0	19-MAR-94	8240	5	U	5	TB
Carbon tetrachloride	SNL0093367	LWDS-05-BH13	0	22-MAR-94	8240	5	U	5	EB
Carbon tetrachloride	SNL0093375	LWDS-05-BH13	0	22-MAR-94	8240	5	U	5	TB
Carbon tetrachloride	SNL0093376	LWDS-05-BH13	0	22-MAR-94	8240	5	U	5	TB
Carbon tetrachloride	SNL0093457	LWDS-05-BH12	0	21-MAR-94	8240	5	U	5	EB
Carbon tetrachloride	SNL0093465	LWDS-05-BH12	0	21-MAR-94	8240	5	U	5	TB
Carbon tetrachloride	SNL0093466	LWDS-05-BH12	0	21-MAR-94	8240	5	U	5	TB
Carbon tetrachloride	SNL0093572	LWDS-05-BH11	0	20-MAR-94	8240	5	U	5	TB
Carbon tetrachloride	SNL0093573	LWDS-05-BH11	0	20-MAR-94	8240	5	U	5	TB
Carbon tetrachloride	SNL0093574	LWDS-05-BH11	0	20-MAR-94	8240	5	U	5	EB
Carbon tetrachloride	SNL0093614	LWDS-52-BH16	0	24-MAR-94	8240	5	U	5	EB
Carbon tetrachloride	SNL0093622	LWDS-52-BH16	0	24-MAR-94	8240	5	U	5	TB
Carbon tetrachloride	SNL0093646	LWDS-05-BH14	0	23-MAR-94	8240	5	U	5	EB
Carbon tetrachloride	SNL0093654	LWDS-05-BH14	0	23-MAR-94	8240	5	U	5	TB
Carbon tetrachloride	SNL0093655	LWDS-05-BH14	0	23-MAR-94	8240	5	U	5	TB
Carbon tetrachloride	SNL0093705	LWDS-52-BH15	0	23-MAR-94	8240	5	U	5	EB
Carbon tetrachloride	SNL0094080	LWDS-MW1	0	10-MAR-94	8240	0.005	U	0.005	TB
Carbon tetrachloride	SNL0094280	LWDS-MW1	0	31-MAY-94	8260	0.001	U	0.001	TB
Carbon tetrachloride	SNL0094281	LWDS-MW1	0	06-JUN-94	8260	0.001	U	0.001	EB
Carbon tetrachloride	SNL0094298	LWDS-MW1	0	31-MAY-94	8260	0.001	U	0.001	TB
Carbon tetrachloride	SNL0094302	LWDS-MW1	0	31-AUG-94	8260	0.001	U	0.001	EB
Carbon tetrachloride	SNL0094317	LWDS-MW1	0	24-AUG-94	8260	0.001	U	0.001	TB
Carbon tetrachloride	SNL0094348	LWDS-MW1	0	24-AUG-94	8260	0.005	U	0.005	TB
Carbon tetrachloride	SNL0094376	LWDS-MW1	0	07-OCT-94	8010	0.001	U	0.001	EB
Carbon tetrachloride	SNL0094377	LWDS-MW1	0	07-OCT-94	8010	0.001	U	0.001	EB
Carbon tetrachloride	SNL0094378	LWDS-MW1	0	07-OCT-94	8010	0.001	U	0.001	EB
Carbon tetrachloride	SNL0094379	LWDS-MW1	0	07-OCT-94	8010	0.001	U	0.001	TB
Carbon tetrachloride	SNL0094386	LWDS-MW1	0	30-NOV-94	8010	0.001	U	0.001	TB
Carbon tetrachloride	SNL0094411	LWDS-MW2	0	06-JUN-94	8260	0.001	U	0.001	TB
Carbon tetrachloride	SNL0094412	LWDS-MW2	0	30-NOV-94	8010	0.001	U	0.001	TB
Carbon tetrachloride	SNL0094413	LWDS-MW2	0	07-DEC-94	8010	0.001	U	0.001	EB
Carbon tetrachloride	SNL0094465	LWDS-MW1	0	18-MAR-96	8010	0.5	U	0.5	TB
Carbon tetrachloride	SNL0094521	LWDS-MW2	0	21-SEP-95	8260	1	U	1	TB
Carbon tetrachloride	SNL0094530	LWDS-MW1	0	25-SEP-95	8260	1	U	1	TB
Carbon tetrachloride	SNL0094531	LWDS-MW1	0	25-SEP-95	8260	1	U	1	FB
Carbon tetrachloride	SNL0094543	LWDS-MW2	0	14-DEC-95	8260	1	U	1	TB
Carbon tetrachloride	SNL0094618	LWDS MW-2	0	27-FEB-95	8240	0.005	U	0.005	TB
Carbon tetrachloride	SNL0094619	LWDS MW-2	0	01-MAR-95	8240	0.005	U	0.005	EB
Carbon tetrachloride	SNL0094667	LWDS MW-1	0	02-MAR-95	8240	0.005	U	0.005	TB
Carbon tetrachloride	SNL0094705	LWDS-MW2	0	12-JUN-95	8010	0.001	U	0.001	TB
Carbon tetrachloride	SNL0094748	LWDS-MW2	0	12-JUN-95	8010	0.001	U	0.001	EB
Carbon tetrachloride	SNL0094760	LWDS-MW1	0	14-JUN-95	8010	0.001	U	0.001	TB
Carbon tetrachloride	SNL0099096	LWDS-MW2	0	24-JUN-93	8240	0.005	U	0.005	EB
Carbon tetrachloride	SNL0099097	LWDS-MW2	0	24-JUN-93	8240	0.005	U	0.005	TB

Table A-13. Trip blank and equipment blank results for ER Sites 4, 5, and 52.

Analyte	Sample Number	Sample Location	Sample Depth (Ft)	Sample Date	Analytical Method	Amount Detected (mg/L)	Qualifier	Method Detection Limit	Sample Type
Carbon tetrachloride	SNL0099118	LWDS-MW1-DRUM	0	27-DEC-93	624	0.005	U	0.005	TB
Carbon tetrachloride	031518-001	LWDS-MW1-TB		12-MAR-96	PA-SW846-80	0.12	U	0.12	TB
Carbon, total organic	SNL0094016	LWDS-MW2	0	11-MAR-94	9060	0.5	U	0.5	EB
Carbon, total organic	SNL0099093	LWDS-MW2	0	24-JUN-93	9060	0.5	U	0.5	EB
Cerium-139	SNL0094220	LWDS-04-BH09-EB	0	18-MAR-94	GAMMA	0.0108	U	0.0108	EB
Cerium-139	SNL0094223	LWDS-04-BH10-EB	0	19-MAR-94	GAMMA	0.01228	U	0.01228	EB
Cerium-139	SNL0094226	LWDS-05-BH11-EB	0	20-MAR-94	GAMMA	0.0114	U	0.0114	EB
Cerium-139	SNL0094227	LWDS-MW1	0	06-JUN-94	GAMMA	0.00946	U	0.00946	EB
Cerium-139	SNL0094243	LWDS-MW2	0	07-DEC-94	GAMMA	0.0101	U	0.0101	EB
Cerium-139	SNL0094247	LWDS-MW1	0	08-DEC-94	GAMMA	0.00818	U	0.00818	FB
Cerium-144	SNL0091301	LWDS-04-BH01	0	09-AUG-92	GAMMA	129	<	129	EB
Cerium-144	SNL0091518	LWDS-04-BH01	0	08-AUG-92	GAMMA	125	<	125	EB
Cerium-144	SNL0091526	LWDS-04-BH02	0	10-AUG-92	GAMMA	123	<	123	EB
Cerium-144	SNL0091574	LWDS-04-BH02	0	11-AUG-92	GAMMA	127	<	127	EB
Cerium-144	SNL0091682	LWDS-04-BH03	0	12-AUG-92	GAMMA	147	<	147	EB
Cerium-144	SNL0091733	LWDS-04-BH03	0	13-AUG-92	GAMMA	125	<	125	EB
Cerium-144	SNL0091789	LWDS-04-BH04	0	18-AUG-92	GAMMA	126	<	126	EB
Cerium-144	SNL0091925	LWDS-04-BH04	0	19-AUG-92	GAMMA	130	<	130	EB
Cerium-144	SNL0092176	LWDS-04-BH05	0	20-AUG-92	GAMMA	147	<	147	EB
Cerium-144	SNL0092208	LWDS-MW1	0	24-AUG-92	GAMMA	148	<	148	EB
Cerium-144	SNL0092216	LWDS-MW1	0	22-AUG-92	GAMMA	127	<	127	EB
Cerium-144	SNL0092323	LWDS-MW1	0	23-AUG-92	GAMMA	62.9	<	62.9	EB
Cerium-144	SNL0092349	LWDS-MW1	0	25-AUG-92	GAMMA	64	<	64	EB
Cerium-144	SNL0092373	LWDS-52-BH06	0	05-SEP-92	GAMMA	66.3	<	66.3	EB
Cerium-144	SNL0092417	LWDS-52-BH08	0	05-SEP-92	GAMMA	74.6	<	74.6	EB
Cerium-144	SNL0092506	LWDS-52-BH07	0	07-SEP-92	GAMMA	60.2	<	60.2	EB
Cerium-144	SNL0092538	LWDS-MW2	0	07-SEP-92	GAMMA	75.5	<	75.5	EB
Cerium-144	SNL0092684	LWDS-52-BH07	0	06-SEP-92	GAMMA	79.9	<	79.9	EB
Cerium-144	SNL0092793	LWDS-MW2	0	23-SEP-92	GAMMA	61.6	<	61.6	EB
Cerium-144	SNL0092873	LWDS-MW2	0	08-OCT-92	GAMMA	61.4	<	61.4	EB
Cerium-144	SNL0093766	LWDS-MW1	0	27-APR-93	GAMMA	170	U	170	EB
Cerium-144	SNL0093779	LWDS-MW2	0	24-JUN-93	GAMMA	100	U	100	EB
Cerium-144	SNL0093788	LWDS-MW1	0	03-NOV-93	GAMMA	100	U	100	EB
Cerium-144	SNL0094220	LWDS-04-BH09-EB	0	18-MAR-94	GAMMA	0.0797	U	0.0797	EB
Cerium-144	SNL0094223	LWDS-04-BH10-EB	0	19-MAR-94	GAMMA	0.08768	U	0.08768	EB
Cerium-144	SNL0094226	LWDS-05-BH11-EB	0	20-MAR-94	GAMMA	0.0847	U	0.0847	EB
Cerium-144	SNL0094227	LWDS-MW1	0	06-JUN-94	GAMMA	0.0648	U	0.0648	EB
Cerium-144	SNL0094243	LWDS-MW2	0	07-DEC-94	GAMMA	0.0646	U	0.0646	EB
Cerium-144	SNL0094247	LWDS-MW1	0	08-DEC-94	GAMMA	0.0639	U	0.0639	FB
Cerium-144	SNL0094488	LWDS-MW2	0	12-JUN-95	901.1	48.8		48.8	EB
Cesium-134	SNL0091301	LWDS-04-BH01	0	09-AUG-92	GAMMA	21.9	<	21.9	EB
Cesium-134	SNL0091518	LWDS-04-BH01	0	08-AUG-92	GAMMA	19.5	<	19.5	EB
Cesium-134	SNL0091526	LWDS-04-BH02	0	10-AUG-92	GAMMA	25.2	<	25.2	EB
Cesium-134	SNL0091574	LWDS-04-BH02	0	11-AUG-92	GAMMA	20.3	<	20.3	EB
Cesium-134	SNL0091682	LWDS-04-BH03	0	12-AUG-92	GAMMA	21.8	<	21.8	EB
Cesium-134	SNL0091733	LWDS-04-BH03	0	13-AUG-92	GAMMA	19	<	19	EB
Cesium-134	SNL0091789	LWDS-04-BH04	0	18-AUG-92	GAMMA	21.4	<	21.4	EB
Cesium-134	SNL0091925	LWDS-04-BH04	0	19-AUG-92	GAMMA	12.8	<	12.8	EB
Cesium-134	SNL0092176	LWDS-04-BH05	0	20-AUG-92	GAMMA	17.6	<	17.6	EB
Cesium-134	SNL0092208	LWDS-MW1	0	24-AUG-92	GAMMA	20.8	<	20.8	EB
Cesium-134	SNL0092216	LWDS-MW1	0	22-AUG-92	GAMMA	16.1	<	16.1	EB
Cesium-134	SNL0092323	LWDS-MW1	0	23-AUG-92	GAMMA	10.3	<	10.3	EB
Cesium-134	SNL0092349	LWDS-MW1	0	25-AUG-92	GAMMA	10.1	<	10.1	EB
Cesium-134	SNL0092373	LWDS-52-BH06	0	05-SEP-92	GAMMA	9.11	<	9.11	EB
Cesium-134	SNL0092417	LWDS-52-BH08	0	05-SEP-92	GAMMA	10.8	<	10.8	EB
Cesium-134	SNL0092506	LWDS-52-BH07	0	07-SEP-92	GAMMA	7.48	<	7.48	EB
Cesium-134	SNL0092538	LWDS-MW2	0	07-SEP-92	GAMMA	11.2	<	11.2	EB
Cesium-134	SNL0092684	LWDS-52-BH07	0	06-SEP-92	GAMMA	6.31	<	6.31	EB
Cesium-134	SNL0092793	LWDS-MW2	0	23-SEP-92	GAMMA	10.1	<	10.1	EB
Cesium-134	SNL0092873	LWDS-MW2	0	08-OCT-92	GAMMA	5.18	<	5.18	EB
Cesium-134	SNL0093766	LWDS-MW1	0	27-APR-93	GAMMA	23	U	23	EB
Cesium-134	SNL0093779	LWDS-MW2	0	24-JUN-93	GAMMA	18	U	18	EB
Cesium-134	SNL0093788	LWDS-MW1	0	03-NOV-93	GAMMA	20	U	20	EB
Cesium-134	SNL0094220	LWDS-04-BH09-EB	0	18-MAR-94	GAMMA	0.0111	U	0.0111	EB
Cesium-134	SNL0094223	LWDS-04-BH10-EB	0	19-MAR-94	GAMMA	0.01403	U	0.01403	EB
Cesium-134	SNL0094226	LWDS-05-BH11-EB	0	20-MAR-94	GAMMA	0.0123	U	0.0123	EB
Cesium-134	SNL0094227	LWDS-MW1	0	06-JUN-94	GAMMA	0.0097	U	0.0097	EB
Cesium-134	SNL0094243	LWDS-MW2	0	07-DEC-94	GAMMA	0.0109	U	0.0109	EB

Table A-13. Trip blank and equipment blank results for ER Sites 4, 5, and 52.

Analyte	Sample Number	Sample Location	Sample Depth (Ft)	Sample Date	Analytical Method	Amount Detected (mg/L)	Qualifier	Method Detection Limit	Sample Type
Cesium-134	SNL0094247	LWDS-MW1	0	08-DEC-94	GAMMA	0.0102	U	0.0102	FB
Cesium-134	SNL0094488	LWDS-MW2	0	12-JUN-95	901.1	10.2		10.2	EB
Cesium-137	SNL0091301	LWDS-04-BH01	0	09-AUG-92	GAMMA	18.3	<	18.3	EB
Cesium-137	SNL0091518	LWDS-04-BH01	0	08-AUG-92	GAMMA	23.7	<	23.7	EB
Cesium-137	SNL0091526	LWDS-04-BH02	0	10-AUG-92	GAMMA	20.3	<	20.3	EB
Cesium-137	SNL0091574	LWDS-04-BH02	0	11-AUG-92	GAMMA	20.5	<	20.5	EB
Cesium-137	SNL0091682	LWDS-04-BH03	0	12-AUG-92	GAMMA	23.1	<	23.1	EB
Cesium-137	SNL0091733	LWDS-04-BH03	0	13-AUG-92	GAMMA	23.3	<	23.3	EB
Cesium-137	SNL0091789	LWDS-04-BH04	0	18-AUG-92	GAMMA	19	<	19	EB
Cesium-137	SNL0091925	LWDS-04-BH04	0	19-AUG-92	GAMMA	10.2	<	10.2	EB
Cesium-137	SNL0092176	LWDS-04-BH05	0	20-AUG-92	GAMMA	17.8	<	17.8	EB
Cesium-137	SNL0092208	LWDS-MW1	0	24-AUG-92	GAMMA	24.4	<	24.4	EB
Cesium-137	SNL0092216	LWDS-MW1	0	22-AUG-92	GAMMA	25.9	<	25.9	EB
Cesium-137	SNL0092323	LWDS-MW1	0	23-AUG-92	GAMMA	11	<	11	EB
Cesium-137	SNL0092349	LWDS-MW1	0	25-AUG-92	GAMMA	9.46	<	9.46	EB
Cesium-137	SNL0092373	LWDS-52-BH06	0	05-SEP-92	GAMMA	9.39	<	9.39	EB
Cesium-137	SNL0092417	LWDS-52-BH08	0	05-SEP-92	GAMMA	8.82	<	8.82	EB
Cesium-137	SNL0092506	LWDS-52-BH07	0	07-SEP-92	GAMMA	5.62	<	5.62	EB
Cesium-137	SNL0092538	LWDS-MW2	0	07-SEP-92	GAMMA	10.7	<	10.7	EB
Cesium-137	SNL0092684	LWDS-52-BH07	0	06-SEP-92	GAMMA	6.91	<	6.91	EB
Cesium-137	SNL0092793	LWDS-MW2	0	23-SEP-92	GAMMA	10	<	10	EB
Cesium-137	SNL0092873	LWDS-MW2	0	08-OCT-92	GAMMA	10.1	<	10.1	EB
Cesium-137	SNL0093766	LWDS-MW1	0	27-APR-93	GAMMA	33	U	33	EB
Cesium-137	SNL0093779	LWDS-MW2	0	24-JUN-93	GAMMA	23	U	23	EB
Cesium-137	SNL0093788	LWDS-MW1	0	03-NOV-93	GAMMA	25	U	25	EB
Cesium-137	SNL0093841	LWDS-04-BH10	0	19-MAR-94	GAMMA	15	B	47	EB
Cesium-137	SNL0093865	LWDS-04-BH09	0	18-MAR-94	GAMMA	26	U	26	EB
Cesium-137	SNL0093879	LWDS-52-BH16	0	24-MAR-94	GAMMA	24	U	24	EB
Cesium-137	SNL0093901	LWDS-05-BH13	0	22-MAR-94	GAMMA	28	U	28	EB
Cesium-137	SNL0093939	LWDS-05-BH14	0	23-MAR-94	GAMMA	24	U	24	EB
Cesium-137	SNL0093941	LWDS-52-BH15	0	23-MAR-94	GAMMA	22	U	22	EB
Cesium-137	SNL0093943	LWDS-05-BH11	0	20-MAR-94	GAMMA	26	U	26	EB
Cesium-137	SNL0093978	LWDS-05-BH12	0	21-MAR-94	GAMMA	26	U	26	EB
Cesium-137	SNL0094220	LWDS-04-BH09-EB	0	18-MAR-94	GAMMA	0.0115	U	0.0115	EB
Cesium-137	SNL0094223	LWDS-04-BH10-EB	0	19-MAR-94	GAMMA	0.01191	U	0.01191	EB
Cesium-137	SNL0094226	LWDS-05-BH11-EB	0	20-MAR-94	GAMMA	0.0121	U	0.0121	EB
Cesium-137	SNL0094227	LWDS-MW1	0	06-JUN-94	GAMMA	0.0095	U	0.0095	EB
Cesium-137	SNL0094243	LWDS-MW2	0	07-DEC-94	GAMMA	0.0106	U	0.0106	EB
Cesium-137	SNL0094247	LWDS-MW1	0	08-DEC-94	GAMMA	0.0108	U	0.0108	FB
Cesium-137	SNL0094249	LWDS-MW2	0	07-DEC-94	GAMMA	23	U	23	EB
Cesium-137	SNL0094261	LWDS-MW1	0	08-DEC-94	GAMMA	25	U	25	FB
Cesium-137	SNL0094488	LWDS-MW2	0	12-JUN-95	901.1	12.2		12.2	EB
Cesium-137	SNL0094502	LWDS MW-1	0	02-MAR-95	GAMMA	23	U	23	FB
Cesium-137	SNL0094505	LWDS MW-2	0	01-MAR-95	GAMMA	25	U	25	EB
Chloride	SNL0094020	LWDS-MW2	0	11-MAR-94	325.2	2	U	2	EB
Chloride	SNL0094293	LWDS-MW1	0	06-JUN-94	325.2	2	U	2	EB
Chloride	SNL0094313	LWDS-MW1	0	31-AUG-94	300.0	1	U	1	EB
Chloride	SNL0094382	LWDS-MW1	0	08-DEC-94	325.2	72		2	EB
Chloride	SNL0094419	LWDS-MW2	0	07-DEC-94	325.2	2	U	2	EB
Chloride	SNL0094625	LWDS MW-2	0	01-MAR-95	325.2	2	U	2	EB
Chloride	SNL0094756	LWDS-MW2	0	12-JUN-95	325.2	2	U	2	EB
Chloride	SNL0099089	LWDS-MW2	0	24-JUN-93	325.2	2	U	2	EB
Chloro-3-methylphenol, 4	SNL0090028	LWDS-04-BH01	0	08-AUG-92	8270	10	U	10	EB
Chloro-3-methylphenol, 4	SNL0090031	LWDS-04-BH01	0	09-AUG-92	8270	10	U	10	EB
Chloro-3-methylphenol, 4	SNL0090054	LWDS-04-BH02	0	10-AUG-92	8270	10	U	10	EB
Chloro-3-methylphenol, 4	SNL0090596	LWDS-04-BH02	0	11-AUG-92	8270	10	U	10	EB
Chloro-3-methylphenol, 4	SNL0090623	LWDS-04-BH03	0	12-AUG-92	8270	10	U	10	EB
Chloro-3-methylphenol, 4	SNL0091158	LWDS-04-BH03	0	13-AUG-92	8270	10	U	10	EB
Chloro-3-methylphenol, 4	SNL0091172	LWDS-04-BH04	0	18-AUG-92	8270	10	U	10	EB
Chloro-3-methylphenol, 4	SNL0091173	LWDS-04-BH04	0	18-AUG-92	8270	11	U	11	EB
Chloro-3-methylphenol, 4	SNL0091192	LWDS-04-BH04	0	19-AUG-92	8270	10	U	10	EB
Chloro-3-methylphenol, 4	SNL0091255	LWDS-04-BH05	0	20-AUG-92	8270	10	U	10	EB
Chloro-3-methylphenol, 4	SNL0091273	LWDS-MW1	0	23-AUG-92	8270	10	U	10	EB
Chloro-3-methylphenol, 4	SNL0091275	LWDS-MW1	0	22-AUG-92	8270	10	U	10	EB
Chloro-3-methylphenol, 4	SNL0091292	LWDS-MW1	0	24-AUG-92	8270	10	U	10	EB
Chloro-3-methylphenol, 4	SNL0091299	LWDS-MW1	0	25-AUG-92	8270	10	U	10	EB
Chloro-3-methylphenol, 4	SNL0091934	LWDS-52-BH06	0	05-SEP-92	8270	10	U	10	EB
Chloro-3-methylphenol, 4	SNL0091945	LWDS-52-BH08	0	05-SEP-92	8270	10	U	10	EB

Table A-13. Trip blank and equipment blank results for ER Sites 4, 5, and 52.

Analyte	Sample Number	Sample Location	Sample Depth (Ft)	Sample Date	Analytical Method	Amount Detected (mg/L)	Qualifier	Method Detection Limit	Sample Type
Chloro-3-methylphenol, 4	SNL0092792	LWDS-MW2	0	23-SEP-92	8270	10	U	10	EB
Chloro-3-methylphenol, 4	SNL0092872	LWDS-MW2	0	08-OCT-92	8270	10	U	10	EB
Chloro-3-methylphenol, 4	SNL0093106	LWDS-MW1	0	28-APR-93	8270	10	U	10	EB
Chloro-3-methylphenol, 4	SNL0093237	LWDS-04-BH09	0	18-MAR-94	8270	10	U	10	EB
Chloro-3-methylphenol, 4	SNL0093275	LWDS-04-BH10	0	19-MAR-94	8270	10	U	10	EB
Chloro-3-methylphenol, 4	SNL0093368	LWDS-05-BH13	0	22-MAR-94	8270	10	U	10	EB
Chloro-3-methylphenol, 4	SNL0093458	LWDS-05-BH12	0	21-MAR-94	8270	10	U	10	EB
Chloro-3-methylphenol, 4	SNL0093575	LWDS-05-BH11	0	20-MAR-94	8270	10	U	10	EB
Chloro-3-methylphenol, 4	SNL0093615	LWDS-52-BH16	0	24-MAR-94	8270	10	U	10	EB
Chloro-3-methylphenol, 4	SNL0093647	LWDS-05-BH14	0	23-MAR-94	8270	10	U	10	EB
Chloro-3-methylphenol, 4	SNL0093706	LWDS-52-BH15	0	23-MAR-94	8270	10	U	10	EB
Chloro-3-methylphenol, 4	SNL0094017	LWDS-MW2	0	11-MAR-94	8270	0.01	U	0.01	EB
Chloro-3-methylphenol, 4	SNL0094282	LWDS-MW1	0	06-JUN-94	8270	0.01	U	0.01	EB
Chloro-3-methylphenol, 4	SNL0094303	LWDS-MW1	0	31-AUG-94	8270	0.01	U	0.01	EB
Chloro-3-methylphenol, 4	SNL0094414	LWDS-MW2	0	07-DEC-94	8270	0.01	U	0.01	EB
Chloro-3-methylphenol, 4	SNL0094620	LWDS MW-2	0	01-MAR-95	8270	0.01	U	0.01	EB
Chloro-3-methylphenol, 4	SNL0094749	LWDS-MW2	0	12-JUN-95	8270	0.01	U	0.01	EB
Chloro-3-methylphenol, 4	SNL0099100	LWDS-MW2	0	24-JUN-93	8270	0.01	U	0.01	EB
Chloroaniline, 4-	SNL0090028	LWDS-04-BH01	0	08-AUG-92	8270	10	U	10	EB
Chloroaniline, 4-	SNL0090031	LWDS-04-BH01	0	09-AUG-92	8270	10	U	10	EB
Chloroaniline, 4-	SNL0090054	LWDS-04-BH02	0	10-AUG-92	8270	10	U	10	EB
Chloroaniline, 4-	SNL0090596	LWDS-04-BH02	0	11-AUG-92	8270	10	U	10	EB
Chloroaniline, 4-	SNL0090623	LWDS-04-BH03	0	12-AUG-92	8270	10	U	10	EB
Chloroaniline, 4-	SNL0091158	LWDS-04-BH03	0	13-AUG-92	8270	10	U	10	EB
Chloroaniline, 4-	SNL0091172	LWDS-04-BH04	0	18-AUG-92	8270	10	U	10	EB
Chloroaniline, 4-	SNL0091173	LWDS-04-BH04	0	18-AUG-92	8270	11	U	11	EB
Chloroaniline, 4-	SNL0091192	LWDS-04-BH04	0	19-AUG-92	8270	10	U	10	EB
Chloroaniline, 4-	SNL0091255	LWDS-04-BH05	0	20-AUG-92	8270	10	U	10	EB
Chloroaniline, 4-	SNL0091273	LWDS-MW1	0	23-AUG-92	8270	10	U	10	EB
Chloroaniline, 4-	SNL0091275	LWDS-MW1	0	22-AUG-92	8270	10	U	10	EB
Chloroaniline, 4-	SNL0091292	LWDS-MW1	0	24-AUG-92	8270	10	U	10	EB
Chloroaniline, 4-	SNL0091299	LWDS-MW1	0	25-AUG-92	8270	10	U	10	EB
Chloroaniline, 4-	SNL0091934	LWDS-52-BH06	0	05-SEP-92	8270	10	U	10	EB
Chloroaniline, 4-	SNL0091945	LWDS-52-BH08	0	05-SEP-92	8270	10	U	10	EB
Chloroaniline, 4-	SNL0092792	LWDS-MW2	0	23-SEP-92	8270	10	U	10	EB
Chloroaniline, 4-	SNL0092872	LWDS-MW2	0	08-OCT-92	8270	10	U	10	EB
Chloroaniline, 4-	SNL0093106	LWDS-MW1	0	28-APR-93	8270	10	U	10	EB
Chloroaniline, 4-	SNL0093237	LWDS-04-BH09	0	18-MAR-94	8270	10	U	10	EB
Chloroaniline, 4-	SNL0093275	LWDS-04-BH10	0	19-MAR-94	8270	10	U	10	EB
Chloroaniline, 4-	SNL0093368	LWDS-05-BH13	0	22-MAR-94	8270	10	U	10	EB
Chloroaniline, 4-	SNL0093458	LWDS-05-BH12	0	21-MAR-94	8270	10	U	10	EB
Chloroaniline, 4-	SNL0093575	LWDS-05-BH11	0	20-MAR-94	8270	10	U	10	EB
Chloroaniline, 4-	SNL0093615	LWDS-52-BH16	0	24-MAR-94	8270	10	U	10	EB
Chloroaniline, 4-	SNL0093647	LWDS-05-BH14	0	23-MAR-94	8270	10	U	10	EB
Chloroaniline, 4-	SNL0093706	LWDS-52-BH15	0	23-MAR-94	8270	10	U	10	EB
Chloroaniline, 4-	SNL0094282	LWDS-MW1	0	06-JUN-94	8270	0.01	U	0.01	EB
Chloroaniline, 4-	SNL0094303	LWDS-MW1	0	31-AUG-94	8270	0.01	U	0.01	EB
Chloroaniline, 4-	SNL0094414	LWDS-MW2	0	07-DEC-94	8270	0.01	U	0.01	EB
Chloroaniline, 4-	SNL0099100	LWDS-MW2	0	24-JUN-93	8270	0.01	U	0.01	EB
Chlorobenzenamine, 4-	SNL0094620	LWDS MW-2	0	01-MAR-95	8270	0.01	U	0.01	EB
Chlorobenzenamine, 4-	SNL0094749	LWDS-MW2	0	12-JUN-95	8270	0.01	U	0.01	EB
Chlorobenzene	SNL0090027	LWDS-04-BH01	0	08-AUG-92	8240	5	U	5	EB
Chlorobenzene	SNL0090029	LWDS-04-BH01	0	08-AUG-92	8240	5	U	5	TB
Chlorobenzene	SNL0090030	LWDS-04-BH01	0	09-AUG-92	8240	5	U	5	EB
Chlorobenzene	SNL0090032	LWDS-04-BH01	0	09-AUG-92	8240	5	U	5	TB
Chlorobenzene	SNL0090053	LWDS-04-BH02	0	10-AUG-92	8240	5	U	5	EB
Chlorobenzene	SNL0090055	LWDS-04-BH02	0	10-AUG-92	8240	5	U	5	TB
Chlorobenzene	SNL0090162	LWDS-SS	0	16-JUL-92	8240	5	U	5	TB
Chlorobenzene	SNL0090163	LWDS-SS	0	16-JUL-92	8240	5	U	5	TB
Chlorobenzene	SNL0090416	LWDS-SS	0	16-JUL-92	8240	5	U	5	TB
Chlorobenzene	SNL0090595	LWDS-04-BH02	0	11-AUG-92	8240	5	U	5	EB
Chlorobenzene	SNL0090597	LWDS-04-BH02	0	11-AUG-92	8240	5	U	5	TB
Chlorobenzene	SNL0090622	LWDS-04-BH03	0	12-AUG-92	8240	5	U	5	EB
Chlorobenzene	SNL0090624	LWDS-04-BH03	0	12-AUG-92	8240	5	U	5	TB
Chlorobenzene	SNL0090737	LWDS-SS	0	17-JUL-92	8240	5	U	5	TB
Chlorobenzene	SNL0090934	LWDS-SS	0	17-JUL-92	8240	5	U	5	TB
Chlorobenzene	SNL0091118	LWDS-SS	0	20-JUL-92	8240	5	U	5	TB
Chlorobenzene	SNL0091157	LWDS-04-BH03	0	13-AUG-92	8240	5	U	5	EB

Table A-13. Trip blank and equipment blank results for ER Sites 4, 5, and 52.

Analyte	Sample Number	Sample Location	Sample Depth (Ft)	Sample Date	Analytical Method	Amount Detected (mg/L)	Qualifier	Method Detection Limit	Sample Type
Chlorobenzene	SNL0091171	LWDS-04-BH04	0	18-AUG-92	8240	5	U	5	EB
Chlorobenzene	SNL0091174	LWDS-04-BH04	0	18-AUG-92	8240	5	U	5	TB
Chlorobenzene	SNL0091191	LWDS-04-BH04	0	19-AUG-92	8240	5	U	5	EB
Chlorobenzene	SNL0091193	LWDS-04-BH04	0	19-AUG-92	8240	5	U	5	TB
Chlorobenzene	SNL0091242	LWDS-04-BH05	0	20-AUG-92	8240	5	U	5	TB
Chlorobenzene	SNL0091256	LWDS-04-BH05	0	20-AUG-92	8240	5	U	5	EB
Chlorobenzene	SNL0091257	LWDS-04-BH05	0	20-AUG-92	8240	5	U	5	TB
Chlorobenzene	SNL0091272	LWDS-MW1	0	23-AUG-92	8240	5	U	5	EB
Chlorobenzene	SNL0091274	LWDS-MW1	0	22-AUG-92	8240	5	U	5	EB
Chlorobenzene	SNL0091276	LWDS-MW1	0	22-AUG-92	8240	5	U	5	TB
Chlorobenzene	SNL0091291	LWDS-MW1	0	24-AUG-92	8240	5	U	5	EB
Chlorobenzene	SNL0091293	LWDS-MW1	0	24-AUG-92	8240	5	U	5	TB
Chlorobenzene	SNL0091298	LWDS-MW1	0	25-AUG-92	8240	5	U	5	EB
Chlorobenzene	SNL0091300	LWDS-MW1	0	25-AUG-92	8240	5	U	5	TB
Chlorobenzene	SNL0091933	LWDS-52-BH06	0	05-SEP-92	8240	5	U	5	EB
Chlorobenzene	SNL0091935	LWDS-52-BH06	0	05-SEP-92	8240	5	U	5	TB
Chlorobenzene	SNL0091944	LWDS-52-BH08	0	05-SEP-92	8240	5	U	5	EB
Chlorobenzene	SNL0092723	LWDS-MW2	0	18-SEP-92	8240	5	U	5	TB
Chlorobenzene	SNL0092746	LWDS-MW2	0	21-SEP-92	8240	5	U	5	TB
Chlorobenzene	SNL0092791	LWDS-MW2	0	23-SEP-92	8240	5	U	5	EB
Chlorobenzene	SNL0092801	LWDS-MW2	0	23-SEP-92	8240	5	U	5	TB
Chlorobenzene	SNL0092835	LWDS-MW2	0	24-SEP-92	8240	5	U	5	TB
Chlorobenzene	SNL0092847	LWDS-MW2	0	01-OCT-92	8240	5	U	5	TB
Chlorobenzene	SNL0092859	LWDS-MW2	0	02-OCT-92	8240	5	U	5	TB
Chlorobenzene	SNL0092871	LWDS-MW2	0	08-OCT-92	8240	5	U	5	EB
Chlorobenzene	SNL0092881	LWDS-MW2	0	08-OCT-92	8240	5	U	5	TB
Chlorobenzene	SNL0092948	LWDS-MW2	0	17-OCT-92	8240	5	U	5	TB
Chlorobenzene	SNL0092970	LWDS-MW2	0	21-OCT-92	8240	5	U	5	TB
Chlorobenzene	SNL0092989	LWDS-MW1	0	06-APR-93	8240	5	U	5	TB
Chlorobenzene	SNL0093002	LWDS-MW1	0	08-APR-93	8240	5	U	5	TB
Chlorobenzene	SNL0093003	LWDS-MW1	0	13-APR-93	8240	5	U	5	TB
Chlorobenzene	SNL0093013	LWDS-MW1	0	14-APR-93	8240	5	U	5	TB
Chlorobenzene	SNL0093035	LWDS-MW1	0	15-APR-93	8240	5	U	5	TB
Chlorobenzene	SNL0093045	LWDS-MW1	0	17-APR-93	8240	5	U	5	TB
Chlorobenzene	SNL0093082	LWDS-MW1	0	21-APR-93	8240	5	U	5	TB
Chlorobenzene	SNL0093092	LWDS-MW1	0	27-APR-93	8240	5	U	5	TB
Chlorobenzene	SNL0093105	LWDS-MW1	0	28-APR-93	8240	5	U	5	EB
Chlorobenzene	SNL0093114	LWDS-MW1	0	28-APR-93	8240	5	U	5	TB
Chlorobenzene	SNL0093124	LWDS-MW1	0	30-APR-93	8240	5	U	5	TB
Chlorobenzene	SNL0093135	LWDS-MW1	0	03-MAY-93	8240	5	U	5	TB
Chlorobenzene	SNL0093236	LWDS-04-BH09	0	18-MAR-94	8240	5	U	5	EB
Chlorobenzene	SNL0093244	LWDS-04-BH09	0	18-MAR-94	8240	5	U	5	TB
Chlorobenzene	SNL0093245	LWDS-04-BH09	0	18-MAR-94	8240	5	U	5	TB
Chlorobenzene	SNL0093274	LWDS-04-BH10	0	19-MAR-94	8240	5	U	5	EB
Chlorobenzene	SNL0093285	LWDS-04-BH10	0	19-MAR-94	8240	5	U	5	TB
Chlorobenzene	SNL0093286	LWDS-04-BH10	0	19-MAR-94	8240	5	U	5	TB
Chlorobenzene	SNL0093367	LWDS-05-BH13	0	22-MAR-94	8240	5	U	5	EB
Chlorobenzene	SNL0093375	LWDS-05-BH13	0	22-MAR-94	8240	5	U	5	TB
Chlorobenzene	SNL0093376	LWDS-05-BH13	0	22-MAR-94	8240	5	U	5	TB
Chlorobenzene	SNL0093457	LWDS-05-BH12	0	21-MAR-94	8240	1.1	J	5	EB
Chlorobenzene	SNL0093465	LWDS-05-BH12	0	21-MAR-94	8240	5	U	5	TB
Chlorobenzene	SNL0093466	LWDS-05-BH12	0	21-MAR-94	8240	5	U	5	TB
Chlorobenzene	SNL0093572	LWDS-05-BH11	0	20-MAR-94	8240	5	U	5	TB
Chlorobenzene	SNL0093573	LWDS-05-BH11	0	20-MAR-94	8240	5	U	5	TB
Chlorobenzene	SNL0093574	LWDS-05-BH11	0	20-MAR-94	8240	5	U	5	EB
Chlorobenzene	SNL0093614	LWDS-52-BH16	0	24-MAR-94	8240	5	U	5	EB
Chlorobenzene	SNL0093622	LWDS-52-BH16	0	24-MAR-94	8240	5	U	5	TB
Chlorobenzene	SNL0093646	LWDS-05-BH14	0	23-MAR-94	8240	5	U	5	EB
Chlorobenzene	SNL0093654	LWDS-05-BH14	0	23-MAR-94	8240	5	U	5	TB
Chlorobenzene	SNL0093655	LWDS-05-BH14	0	23-MAR-94	8240	5	U	5	TB
Chlorobenzene	SNL0093705	LWDS-52-BH15	0	23-MAR-94	8240	5	U	5	EB
Chlorobenzene	SNL0094080	LWDS-MW1	0	10-MAR-94	8240	0.005	U	0.005	TB
Chlorobenzene	SNL0094280	LWDS-MW1	0	31-MAY-94	8260	0.001	U	0.001	TB
Chlorobenzene	SNL0094281	LWDS-MW1	0	06-JUN-94	8260	0.001	U	0.001	EB
Chlorobenzene	SNL0094298	LWDS-MW1	0	31-MAY-94	8260	0.001	U	0.001	TB
Chlorobenzene	SNL0094302	LWDS-MW1	0	31-AUG-94	8260	0.001	U	0.001	EB
Chlorobenzene	SNL0094317	LWDS-MW1	0	24-AUG-94	8260	0.001	U	0.001	TB
Chlorobenzene	SNL0094348	LWDS-MW1	0	24-AUG-94	8260	0.005	U	0.005	TB

Table A-13. Trip blank and equipment blank results for ER Sites 4, 5, and 52.

Analyte	Sample Number	Sample Location	Sample Depth (Ft)	Sample Date	Analytical Method	Amount Detected (mg/L)	Qualifier	Method Detection Limit	Sample Type
Chlorobenzene	SNL0094376	LWDS-MW1	0	07-OCT-94	8010	0.001	U	0.001	EB
Chlorobenzene	SNL0094377	LWDS-MW1	0	07-OCT-94	8010	0.001	U	0.001	EB
Chlorobenzene	SNL0094378	LWDS-MW1	0	07-OCT-94	8010	0.001	U	0.001	EB
Chlorobenzene	SNL0094379	LWDS-MW1	0	07-OCT-94	8010	0.001	U	0.001	TB
Chlorobenzene	SNL0094386	LWDS-MW1	0	30-NOV-94	8010	0.001	U	0.001	TB
Chlorobenzene	SNL0094411	LWDS-MW2	0	06-JUN-94	8260	0.001	U	0.001	TB
Chlorobenzene	SNL0094412	LWDS-MW2	0	30-NOV-94	8010	0.001	U	0.001	TB
Chlorobenzene	SNL0094413	LWDS-MW2	0	07-DEC-94	8010	0.001	U	0.001	EB
Chlorobenzene	SNL0094465	LWDS-MW1	0	18-MAR-96	8010	0.11	J	2	TB
Chlorobenzene	SNL0094466	LWDS-MW1	0	18-MAR-96	8020	0.5	U	0.5	TB
Chlorobenzene	SNL0094521	LWDS-MW2	0	21-SEP-95	8260	1	U	1	TB
Chlorobenzene	SNL0094530	LWDS-MW1	0	25-SEP-95	8260	1	U	1	TB
Chlorobenzene	SNL0094531	LWDS-MW1	0	25-SEP-95	8260	1	U	1	FB
Chlorobenzene	SNL0094543	LWDS-MW2	0	14-DEC-95	8260	1	U	1	TB
Chlorobenzene	SNL0094618	LWDS MW-2	0	27-FEB-95	8240	0.005	U	0.005	TB
Chlorobenzene	SNL0094619	LWDS MW-2	0	01-MAR-95	8240	0.005	U	0.005	EB
Chlorobenzene	SNL0094667	LWDS MW-1	0	02-MAR-95	8240	0.005	U	0.005	TB
Chlorobenzene	SNL0094705	LWDS-MW2	0	12-JUN-95	8010	0.001	U	0.001	TB
Chlorobenzene	SNL0094748	LWDS-MW2	0	12-JUN-95	8010	0.001	U	0.001	EB
Chlorobenzene	SNL0094760	LWDS-MW1	0	14-JUN-95	8010	0.001	U	0.001	TB
Chlorobenzene	SNL0099096	LWDS-MW2	0	24-JUN-93	8240	0.005	U	0.005	EB
Chlorobenzene	SNL0099097	LWDS-MW2	0	24-JUN-93	8240	0.005	U	0.005	TB
Chlorobenzene	SNL0099118	LWDS-MW1-DRUM	0	27-DEC-93	624	0.005	U	0.005	TB
Chlorobenzene	031518-001	LWDS-MW1-TB		12-MAR-96	PA-SW846-80	0.07	U	0.07	TB
Chlorobenzene	031518-001	LWDS-MW1-TB		12-MAR-96	PA-SW846-802	0.053	U	0.053	TB
Chloroethane	SNL0090027	LWDS-04-BH01	0	08-AUG-92	8240	10	U	10	EB
Chloroethane	SNL0090029	LWDS-04-BH01	0	08-AUG-92	8240	10	U	10	TB
Chloroethane	SNL0090030	LWDS-04-BH01	0	09-AUG-92	8240	10	U	10	EB
Chloroethane	SNL0090032	LWDS-04-BH01	0	09-AUG-92	8240	10	U	10	TB
Chloroethane	SNL0090053	LWDS-04-BH02	0	10-AUG-92	8240	10	U	10	EB
Chloroethane	SNL0090055	LWDS-04-BH02	0	10-AUG-92	8240	10	U	10	TB
Chloroethane	SNL0090162	LWDS-SS	0	16-JUL-92	8240	10	U	10	TB
Chloroethane	SNL0090163	LWDS-SS	0	16-JUL-92	8240	10	U	10	TB
Chloroethane	SNL0090416	LWDS-SS	0	16-JUL-92	8240	10	U	10	TB
Chloroethane	SNL0090595	LWDS-04-BH02	0	11-AUG-92	8240	10	U	10	EB
Chloroethane	SNL0090597	LWDS-04-BH02	0	11-AUG-92	8240	10	U	10	TB
Chloroethane	SNL0090622	LWDS-04-BH03	0	12-AUG-92	8240	10	U	10	EB
Chloroethane	SNL0090624	LWDS-04-BH03	0	12-AUG-92	8240	10	U	10	TB
Chloroethane	SNL0090737	LWDS-SS	0	17-JUL-92	8240	10	U	10	TB
Chloroethane	SNL0090934	LWDS-SS	0	17-JUL-92	8240	10	U	10	TB
Chloroethane	SNL0091118	LWDS-SS	0	20-JUL-92	8240	10	U	10	TB
Chloroethane	SNL0091157	LWDS-04-BH03	0	13-AUG-92	8240	10	U	10	EB
Chloroethane	SNL0091171	LWDS-04-BH04	0	18-AUG-92	8240	10	U	10	EB
Chloroethane	SNL0091174	LWDS-04-BH04	0	18-AUG-92	8240	10	U	10	TB
Chloroethane	SNL0091191	LWDS-04-BH04	0	19-AUG-92	8240	10	U	10	EB
Chloroethane	SNL0091193	LWDS-04-BH04	0	19-AUG-92	8240	10	U	10	TB
Chloroethane	SNL0091242	LWDS-04-BH05	0	20-AUG-92	8240	10	U	10	TB
Chloroethane	SNL0091256	LWDS-04-BH05	0	20-AUG-92	8240	10	U	10	EB
Chloroethane	SNL0091257	LWDS-04-BH05	0	20-AUG-92	8240	10	U	10	TB
Chloroethane	SNL0091272	LWDS-MW1	0	23-AUG-92	8240	10	U	10	EB
Chloroethane	SNL0091274	LWDS-MW1	0	22-AUG-92	8240	10	U	10	EB
Chloroethane	SNL0091276	LWDS-MW1	0	22-AUG-92	8240	10	U	10	TB
Chloroethane	SNL0091291	LWDS-MW1	0	24-AUG-92	8240	10	U	10	EB
Chloroethane	SNL0091293	LWDS-MW1	0	24-AUG-92	8240	10	U	10	TB
Chloroethane	SNL0091298	LWDS-MW1	0	25-AUG-92	8240	10	U	10	EB
Chloroethane	SNL0091300	LWDS-MW1	0	25-AUG-92	8240	10	U	10	TB
Chloroethane	SNL0091933	LWDS-52-BH06	0	05-SEP-92	8240	10	U	10	EB
Chloroethane	SNL0091935	LWDS-52-BH06	0	05-SEP-92	8240	10	U	10	TB
Chloroethane	SNL0091944	LWDS-52-BH08	0	05-SEP-92	8240	10	U	10	EB
Chloroethane	SNL0092723	LWDS-MW2	0	18-SEP-92	8240	10	U	10	TB
Chloroethane	SNL0092746	LWDS-MW2	0	21-SEP-92	8240	10	U	10	TB
Chloroethane	SNL0092791	LWDS-MW2	0	23-SEP-92	8240	10	U	10	EB
Chloroethane	SNL0092801	LWDS-MW2	0	23-SEP-92	8240	10	U	10	TB
Chloroethane	SNL0092835	LWDS-MW2	0	24-SEP-92	8240	10	U	10	TB
Chloroethane	SNL0092847	LWDS-MW2	0	01-OCT-92	8240	10	U	10	TB
Chloroethane	SNL0092859	LWDS-MW2	0	02-OCT-92	8240	10	U	10	TB
Chloroethane	SNL0092871	LWDS-MW2	0	08-OCT-92	8240	10	U	10	EB
Chloroethane	SNL0092881	LWDS-MW2	0	08-OCT-92	8240	10	U	10	TB

Table A-13. Trip blank and equipment blank results for ER Sites 4, 5, and 52.

Analyte	Sample Number	Sample Location	Sample Depth (Ft)	Sample Date	Analytical Method	Amount Detected (mg/L)	Qualifier	Method Detection Limit	Sample Type
Chloroethane	SNL0092948	LWDS-MW2	0	17-OCT-92	8240	10	U	10	TB
Chloroethane	SNL0092970	LWDS-MW2	0	21-OCT-92	8240	10	U	10	TB
Chloroethane	SNL0092989	LWDS-MW1	0	06-APR-93	8240	10	U	10	TB
Chloroethane	SNL0093002	LWDS-MW1	0	08-APR-93	8240	10	U	10	TB
Chloroethane	SNL0093003	LWDS-MW1	0	13-APR-93	8240	10	U	10	TB
Chloroethane	SNL0093013	LWDS-MW1	0	14-APR-93	8240	10	U	10	TB
Chloroethane	SNL0093035	LWDS-MW1	0	15-APR-93	8240	10	U	10	TB
Chloroethane	SNL0093045	LWDS-MW1	0	17-APR-93	8240	10	U	10	TB
Chloroethane	SNL0093082	LWDS-MW1	0	21-APR-93	8240	10	U	10	TB
Chloroethane	SNL0093092	LWDS-MW1	0	27-APR-93	8240	10	U	10	TB
Chloroethane	SNL0093105	LWDS-MW1	0	28-APR-93	8240	10	U	10	EB
Chloroethane	SNL0093114	LWDS-MW1	0	28-APR-93	8240	10	U	10	TB
Chloroethane	SNL0093124	LWDS-MW1	0	30-APR-93	8240	10	U	10	TB
Chloroethane	SNL0093135	LWDS-MW1	0	03-MAY-93	8240	10	U	10	TB
Chloroethane	SNL0093236	LWDS-04-BH09	0	18-MAR-94	8240	10	U	10	EB
Chloroethane	SNL0093244	LWDS-04-BH09	0	18-MAR-94	8240	10	U	10	TB
Chloroethane	SNL0093245	LWDS-04-BH09	0	18-MAR-94	8240	10	U	10	TB
Chloroethane	SNL0093274	LWDS-04-BH10	0	19-MAR-94	8240	10	U	10	EB
Chloroethane	SNL0093285	LWDS-04-BH10	0	19-MAR-94	8240	10	U	10	TB
Chloroethane	SNL0093286	LWDS-04-BH10	0	19-MAR-94	8240	10	U	10	TB
Chloroethane	SNL0093367	LWDS-05-BH13	0	22-MAR-94	8240	10	U	10	EB
Chloroethane	SNL0093375	LWDS-05-BH13	0	22-MAR-94	8240	10	U	10	TB
Chloroethane	SNL0093376	LWDS-05-BH13	0	22-MAR-94	8240	10	U	10	TB
Chloroethane	SNL0093457	LWDS-05-BH12	0	21-MAR-94	8240	10	U	10	EB
Chloroethane	SNL0093465	LWDS-05-BH12	0	21-MAR-94	8240	10	U	10	TB
Chloroethane	SNL0093466	LWDS-05-BH12	0	21-MAR-94	8240	10	U	10	TB
Chloroethane	SNL0093572	LWDS-05-BH11	0	20-MAR-94	8240	10	U	10	TB
Chloroethane	SNL0093573	LWDS-05-BH11	0	20-MAR-94	8240	10	U	10	TB
Chloroethane	SNL0093574	LWDS-05-BH11	0	20-MAR-94	8240	10	U	10	EB
Chloroethane	SNL0093614	LWDS-52-BH16	0	24-MAR-94	8240	10	U	10	EB
Chloroethane	SNL0093622	LWDS-52-BH16	0	24-MAR-94	8240	10	U	10	TB
Chloroethane	SNL0093646	LWDS-05-BH14	0	23-MAR-94	8240	10	U	10	EB
Chloroethane	SNL0093654	LWDS-05-BH14	0	23-MAR-94	8240	10	U	10	TB
Chloroethane	SNL0093655	LWDS-05-BH14	0	23-MAR-94	8240	10	U	10	TB
Chloroethane	SNL0093705	LWDS-52-BH15	0	23-MAR-94	8240	10	U	10	EB
Chloroethane	SNL0094080	LWDS-MW1	0	10-MAR-94	8240	0.01	U	0.01	TB
Chloroethane	SNL0094280	LWDS-MW1	0	31-MAY-94	8260	0.001	U	0.001	TB
Chloroethane	SNL0094281	LWDS-MW1	0	06-JUN-94	8260	0.001	U	0.001	EB
Chloroethane	SNL0094298	LWDS-MW1	0	31-MAY-94	8260	0.001	U	0.001	TB
Chloroethane	SNL0094302	LWDS-MW1	0	31-AUG-94	8260	0.001	U	0.001	EB
Chloroethane	SNL0094317	LWDS-MW1	0	24-AUG-94	8260	0.001	U	0.001	TB
Chloroethane	SNL0094348	LWDS-MW1	0	24-AUG-94	8260	0.01	U	0.01	TB
Chloroethane	SNL0094376	LWDS-MW1	0	07-OCT-94	8010	0.001	U	0.001	EB
Chloroethane	SNL0094377	LWDS-MW1	0	07-OCT-94	8010	0.001	U	0.001	EB
Chloroethane	SNL0094378	LWDS-MW1	0	07-OCT-94	8010	0.001	U	0.001	EB
Chloroethane	SNL0094379	LWDS-MW1	0	07-OCT-94	8010	0.001	U	0.001	TB
Chloroethane	SNL0094386	LWDS-MW1	0	30-NOV-94	8010	0.001	U	0.001	TB
Chloroethane	SNL0094411	LWDS-MW2	0	06-JUN-94	8260	0.001	U	0.001	TB
Chloroethane	SNL0094412	LWDS-MW2	0	30-NOV-94	8010	0.001	U	0.001	TB
Chloroethane	SNL0094413	LWDS-MW2	0	07-DEC-94	8010	0.001	U	0.001	EB
Chloroethane	SNL0094465	LWDS-MW1	0	18-MAR-96	8010	5	U	5	TB
Chloroethane	SNL0094521	LWDS-MW2	0	21-SEP-95	8260	1	U	1	TB
Chloroethane	SNL0094530	LWDS-MW1	0	25-SEP-95	8260	1	U	1	TB
Chloroethane	SNL0094531	LWDS-MW1	0	25-SEP-95	8260	1	U	1	FB
Chloroethane	SNL0094543	LWDS-MW2	0	14-DEC-95	8260	1	U	1	TB
Chloroethane	SNL0094618	LWDS MW-2	0	27-FEB-95	8240	0.01	U	0.01	TB
Chloroethane	SNL0094619	LWDS MW-2	0	01-MAR-95	8240	0.01	U	0.01	EB
Chloroethane	SNL0094667	LWDS MW-1	0	02-MAR-95	8240	0.01	U	0.01	TB
Chloroethane	SNL0094705	LWDS-MW2	0	12-JUN-95	8010	0.001	U	0.001	TB
Chloroethane	SNL0094748	LWDS-MW2	0	12-JUN-95	8010	0.001	U	0.001	EB
Chloroethane	SNL0094760	LWDS-MW1	0	14-JUN-95	8010	0.001	U	0.001	TB
Chloroethane	SNL0099096	LWDS-MW2	0	24-JUN-93	8240	0.01	U	0.01	EB
Chloroethane	SNL0099097	LWDS-MW2	0	24-JUN-93	8240	0.01	U	0.01	TB
Chloroethane	SNL0099118	LWDS-MW1-DRUM	0	27-DEC-93	624	0.01	U	0.01	TB
Chloroethane	031518-001	LWDS-MW1-TB		12-MAR-96	PA-SW846-80	0.09	U	0.09	TB
loroethoxy)methane, bis	SNL0090028	LWDS-04-BH01	0	08-AUG-92	8270	10	U	10	EB
loroethoxy)methane, bis	SNL0090031	LWDS-04-BH01	0	09-AUG-92	8270	10	U	10	EB
loroethoxy)methane, bis	SNL0090054	LWDS-04-BH02	0	10-AUG-92	8270	10	U	10	EB

Table A-13. Trip blank and equipment blank results for ER Sites 4, 5, and 52.

Analyte	Sample Number	Sample Location	Sample Depth (Ft)	Sample Date	Analytical Method	Amount Detected (mg/L)	Qualifier	Method Detection Limit	Sample Type
loroethoxy)methane, bis	SNL0090596	LWDS-04-BH02	0	11-AUG-92	8270	10	U	10	EB
loroethoxy)methane, bis	SNL0090623	LWDS-04-BH03	0	12-AUG-92	8270	10	U	10	EB
loroethoxy)methane, bis	SNL0091158	LWDS-04-BH03	0	13-AUG-92	8270	10	U	10	EB
loroethoxy)methane, bis	SNL0091172	LWDS-04-BH04	0	18-AUG-92	8270	10	U	10	EB
loroethoxy)methane, bis	SNL0091173	LWDS-04-BH04	0	18-AUG-92	8270	11	U	11	EB
loroethoxy)methane, bis	SNL0091192	LWDS-04-BH04	0	19-AUG-92	8270	10	U	10	EB
loroethoxy)methane, bis	SNL0091255	LWDS-04-BH05	0	20-AUG-92	8270	10	U	10	EB
loroethoxy)methane, bis	SNL0091273	LWDS-MW1	0	23-AUG-92	8270	10	U	10	EB
loroethoxy)methane, bis	SNL0091275	LWDS-MW1	0	22-AUG-92	8270	10	U	10	EB
loroethoxy)methane, bis	SNL0091292	LWDS-MW1	0	24-AUG-92	8270	10	U	10	EB
loroethoxy)methane, bis	SNL0091299	LWDS-MW1	0	25-AUG-92	8270	10	U	10	EB
loroethoxy)methane, bis	SNL0091934	LWDS-52-BH06	0	05-SEP-92	8270	10	U	10	EB
loroethoxy)methane, bis	SNL0091945	LWDS-52-BH08	0	05-SEP-92	8270	10	U	10	EB
loroethoxy)methane, bis	SNL0092792	LWDS-MW2	0	23-SEP-92	8270	10	U	10	EB
loroethoxy)methane, bis	SNL0092872	LWDS-MW2	0	08-OCT-92	8270	10	U	10	EB
loroethoxy)methane, bis	SNL0093106	LWDS-MW1	0	28-APR-93	8270	10	U	10	EB
loroethoxy)methane, bis	SNL0093237	LWDS-04-BH09	0	18-MAR-94	8270	10	U	10	EB
loroethoxy)methane, bis	SNL0093275	LWDS-04-BH10	0	19-MAR-94	8270	10	U	10	EB
loroethoxy)methane, bis	SNL0093368	LWDS-05-BH13	0	22-MAR-94	8270	10	U	10	EB
loroethoxy)methane, bis	SNL0093458	LWDS-05-BH12	0	21-MAR-94	8270	10	U	10	EB
loroethoxy)methane, bis	SNL0093575	LWDS-05-BH11	0	20-MAR-94	8270	10	U	10	EB
loroethoxy)methane, bis	SNL0093615	LWDS-52-BH16	0	24-MAR-94	8270	10	U	10	EB
loroethoxy)methane, bis	SNL0093647	LWDS-05-BH14	0	23-MAR-94	8270	10	U	10	EB
loroethoxy)methane, bis	SNL0093706	LWDS-52-BH15	0	23-MAR-94	8270	10	U	10	EB
loroethoxy)methane, bis	SNL0094017	LWDS-MW2	0	11-MAR-94	8270	0.01	U	0.01	EB
loroethoxy)methane, bis	SNL0094282	LWDS-MW1	0	06-JUN-94	8270	0.01	U	0.01	EB
loroethoxy)methane, bis	SNL0094303	LWDS-MW1	0	31-AUG-94	8270	0.01	U	0.01	EB
loroethoxy)methane, bis	SNL0094414	LWDS-MW2	0	07-DEC-94	8270	0.01	U	0.01	EB
loroethoxy)methane, bis	SNL0094620	LWDS MW-2	0	01-MAR-95	8270	0.01	U	0.01	EB
loroethoxy)methane, bis	SNL0094749	LWDS-MW2	0	12-JUN-95	8270	0.01	U	0.01	EB
loroethoxy)methane, bis	SNL0099100	LWDS-MW2	0	24-JUN-93	8270	0.01	U	0.01	EB
Chloroethyl vinyl ether, 2	SNL0094080	LWDS-MW1	0	10-MAR-94	8240	0.01	U	0.01	TB
Chloroethyl vinyl ether, 2	SNL0094280	LWDS-MW1	0	31-MAY-94	8260	0.005	U	0.005	TB
Chloroethyl vinyl ether, 2	SNL0094281	LWDS-MW1	0	06-JUN-94	8260	0.005	U	0.005	EB
Chloroethyl vinyl ether, 2	SNL0094298	LWDS-MW1	0	31-MAY-94	8260	0.005	U	0.005	TB
Chloroethyl vinyl ether, 2	SNL0094302	LWDS-MW1	0	31-AUG-94	8260	0.01	U	0.01	EB
Chloroethyl vinyl ether, 2	SNL0094317	LWDS-MW1	0	24-AUG-94	8260	0.01	U	0.01	TB
Chloroethyl vinyl ether, 2	SNL0094348	LWDS-MW1	0	24-AUG-94	8260	0.01	U	0.01	TB
Chloroethyl vinyl ether, 2	SNL0094376	LWDS-MW1	0	07-OCT-94	8010	0.001	U	0.001	EB
Chloroethyl vinyl ether, 2	SNL0094377	LWDS-MW1	0	07-OCT-94	8010	0.001	U	0.001	EB
Chloroethyl vinyl ether, 2	SNL0094378	LWDS-MW1	0	07-OCT-94	8010	0.001	U	0.001	EB
Chloroethyl vinyl ether, 2	SNL0094379	LWDS-MW1	0	07-OCT-94	8010	0.001	U	0.001	TB
Chloroethyl vinyl ether, 2	SNL0094386	LWDS-MW1	0	30-NOV-94	8010	0.001	U	0.001	TB
Chloroethyl vinyl ether, 2	SNL0094411	LWDS-MW2	0	06-JUN-94	8260	0.005	U	0.005	TB
Chloroethyl vinyl ether, 2	SNL0094412	LWDS-MW2	0	30-NOV-94	8010	0.001	U	0.001	TB
Chloroethyl vinyl ether, 2	SNL0094413	LWDS-MW2	0	07-DEC-94	8010	0.001	U	0.001	EB
Chloroethyl vinyl ether, 2	SNL0094521	LWDS-MW2	0	21-SEP-95	8260	1	U	1	TB
Chloroethyl vinyl ether, 2	SNL0094530	LWDS-MW1	0	25-SEP-95	8260	1	U	1	TB
Chloroethyl vinyl ether, 2	SNL0094531	LWDS-MW1	0	25-SEP-95	8260	1	U	1	FB
Chloroethyl vinyl ether, 2	SNL0094543	LWDS-MW2	0	14-DEC-95	8260	1	U	1	TB
Chloroethyl vinyl ether, 2	SNL0094618	LWDS MW-2	0	27-FEB-95	8240	0.01	U	0.01	TB
Chloroethyl vinyl ether, 2	SNL0094619	LWDS MW-2	0	01-MAR-95	8240	0.01	U	0.01	EB
Chloroethyl vinyl ether, 2	SNL0094667	LWDS MW-1	0	02-MAR-95	8240	0.01	U	0.01	TB
Chloroethyl vinyl ether, 2	SNL0094705	LWDS-MW2	0	12-JUN-95	8010	0.001	U	0.001	TB
Chloroethyl vinyl ether, 2	SNL0094748	LWDS-MW2	0	12-JUN-95	8010	0.001	U	0.001	EB
Chloroethyl vinyl ether, 2	SNL0094760	LWDS-MW1	0	14-JUN-95	8010	0.001	U	0.001	TB
Chloroethyl vinyl ether, 2	SNL0099096	LWDS-MW2	0	24-JUN-93	8240	0.01	U	0.01	EB
Chloroethyl vinyl ether, 2	SNL0099097	LWDS-MW2	0	24-JUN-93	8240	0.01	U	0.01	TB
Chloroethyl vinyl ether, 2	SNL0099118	LWDS-MW1-DRUM	0	27-DEC-93	624	0.01	U	0.01	TB
Chloroethyl)ether, bis(2-	SNL0090028	LWDS-04-BH01	0	08-AUG-92	8270	10	U	10	EB
Chloroethyl)ether, bis(2-	SNL0090031	LWDS-04-BH01	0	09-AUG-92	8270	10	U	10	EB
Chloroethyl)ether, bis(2-	SNL0090054	LWDS-04-BH02	0	10-AUG-92	8270	10	U	10	EB
Chloroethyl)ether, bis(2-	SNL0090596	LWDS-04-BH02	0	11-AUG-92	8270	10	U	10	EB
Chloroethyl)ether, bis(2-	SNL0090623	LWDS-04-BH03	0	12-AUG-92	8270	10	U	10	EB
Chloroethyl)ether, bis(2-	SNL0091158	LWDS-04-BH03	0	13-AUG-92	8270	10	U	10	EB
Chloroethyl)ether, bis(2-	SNL0091172	LWDS-04-BH04	0	18-AUG-92	8270	10	U	10	EB
Chloroethyl)ether, bis(2-	SNL0091173	LWDS-04-BH04	0	18-AUG-92	8270	11	U	11	EB
Chloroethyl)ether, bis(2-	SNL0091192	LWDS-04-BH04	0	19-AUG-92	8270	10	U	10	EB

Table A-13. Trip blank and equipment blank results for ER Sites 4, 5, and 52.

Analyte	Sample Number	Sample Location	Sample Depth (Ft)	Sample Date	Analytical Method	Amount Detected (mg/L)	Qualifier	Method Detection Limit	Sample Type
Chloroethyl)ether, bis(2-	SNL0091255	LWDS-04-BH05	0	20-AUG-92	8270	10	U	10	EB
Chloroethyl)ether, bis(2-	SNL0091273	LWDS-MW1	0	23-AUG-92	8270	10	U	10	EB
Chloroethyl)ether, bis(2-	SNL0091275	LWDS-MW1	0	22-AUG-92	8270	10	U	10	EB
Chloroethyl)ether, bis(2-	SNL0091292	LWDS-MW1	0	24-AUG-92	8270	10	U	10	EB
Chloroethyl)ether, bis(2-	SNL0091299	LWDS-MW1	0	25-AUG-92	8270	10	U	10	EB
Chloroethyl)ether, bis(2-	SNL0091934	LWDS-52-BH06	0	05-SEP-92	8270	10	U	10	EB
Chloroethyl)ether, bis(2-	SNL0091945	LWDS-52-BH08	0	05-SEP-92	8270	10	U	10	EB
Chloroethyl)ether, bis(2-	SNL0092792	LWDS-MW2	0	23-SEP-92	8270	10	U	10	EB
Chloroethyl)ether, bis(2-	SNL0092872	LWDS-MW2	0	08-OCT-92	8270	10	U	10	EB
Chloroethyl)ether, bis(2-	SNL0093106	LWDS-MW1	0	28-APR-93	8270	10	U	10	EB
Chloroethyl)ether, bis(2-	SNL0093237	LWDS-04-BH09	0	18-MAR-94	8270	10	U	10	EB
Chloroethyl)ether, bis(2-	SNL0093275	LWDS-04-BH10	0	19-MAR-94	8270	10	U	10	EB
Chloroethyl)ether, bis(2-	SNL0093368	LWDS-05-BH13	0	22-MAR-94	8270	10	U	10	EB
Chloroethyl)ether, bis(2-	SNL0093458	LWDS-05-BH12	0	21-MAR-94	8270	10	U	10	EB
Chloroethyl)ether, bis(2-	SNL0093575	LWDS-05-BH11	0	20-MAR-94	8270	10	U	10	EB
Chloroethyl)ether, bis(2-	SNL0093615	LWDS-52-BH16	0	24-MAR-94	8270	10	U	10	EB
Chloroethyl)ether, bis(2-	SNL0093647	LWDS-05-BH14	0	23-MAR-94	8270	10	U	10	EB
Chloroethyl)ether, bis(2-	SNL0093706	LWDS-52-BH15	0	23-MAR-94	8270	10	U	10	EB
Chloroethyl)ether, bis(2-	SNL0094017	LWDS-MW2	0	11-MAR-94	8270	0.01	U	0.01	EB
Chloroethyl)ether, bis(2-	SNL0094282	LWDS-MW1	0	06-JUN-94	8270	0.01	U	0.01	EB
Chloroethyl)ether, bis(2-	SNL0094303	LWDS-MW1	0	31-AUG-94	8270	0.01	U	0.01	EB
Chloroethyl)ether, bis(2-	SNL0094414	LWDS-MW2	0	07-DEC-94	8270	0.01	U	0.01	EB
Chloroethyl)ether, bis(2-	SNL0094620	LWDS MW-2	0	01-MAR-95	8270	0.01	U	0.01	EB
Chloroethyl)ether, bis(2-	SNL0094749	LWDS-MW2	0	12-JUN-95	8270	0.01	U	0.01	EB
Chloroethyl)ether, bis(2-	SNL0099100	LWDS-MW2	0	24-JUN-93	8270	0.01	U	0.01	EB
Chloroform	SNL0090027	LWDS-04-BH01	0	08-AUG-92	8240	5	U	5	EB
Chloroform	SNL0090029	LWDS-04-BH01	0	08-AUG-92	8240	5	U	5	TB
Chloroform	SNL0090030	LWDS-04-BH01	0	09-AUG-92	8240	5	U	5	EB
Chloroform	SNL0090032	LWDS-04-BH01	0	09-AUG-92	8240	5	U	5	TB
Chloroform	SNL0090053	LWDS-04-BH02	0	10-AUG-92	8240	5	U	5	EB
Chloroform	SNL0090055	LWDS-04-BH02	0	10-AUG-92	8240	5	U	5	TB
Chloroform	SNL0090162	LWDS-SS	0	16-JUL-92	8240	5	U	5	TB
Chloroform	SNL0090163	LWDS-SS	0	16-JUL-92	8240	5	U	5	TB
Chloroform	SNL0090416	LWDS-SS	0	16-JUL-92	8240	5	U	5	TB
Chloroform	SNL0090595	LWDS-04-BH02	0	11-AUG-92	8240	5	U	5	EB
Chloroform	SNL0090597	LWDS-04-BH02	0	11-AUG-92	8240	5	U	5	TB
Chloroform	SNL0090622	LWDS-04-BH03	0	12-AUG-92	8240	5	U	5	EB
Chloroform	SNL0090624	LWDS-04-BH03	0	12-AUG-92	8240	5	U	5	TB
Chloroform	SNL0090737	LWDS-SS	0	17-JUL-92	8240	5	U	5	TB
Chloroform	SNL0090934	LWDS-SS	0	17-JUL-92	8240	5	U	5	TB
Chloroform	SNL0091118	LWDS-SS	0	20-JUL-92	8240	5	U	5	TB
Chloroform	SNL0091157	LWDS-04-BH03	0	13-AUG-92	8240	5	U	5	EB
Chloroform	SNL0091171	LWDS-04-BH04	0	18-AUG-92	8240	5	U	5	EB
Chloroform	SNL0091174	LWDS-04-BH04	0	18-AUG-92	8240	5	U	5	TB
Chloroform	SNL0091191	LWDS-04-BH04	0	19-AUG-92	8240	5	U	5	EB
Chloroform	SNL0091193	LWDS-04-BH04	0	19-AUG-92	8240	5	U	5	TB
Chloroform	SNL0091242	LWDS-04-BH05	0	20-AUG-92	8240	5	U	5	TB
Chloroform	SNL0091256	LWDS-04-BH05	0	20-AUG-92	8240	5	U	5	EB
Chloroform	SNL0091257	LWDS-04-BH05	0	20-AUG-92	8240	5	U	5	TB
Chloroform	SNL0091272	LWDS-MW1	0	23-AUG-92	8240	5	U	5	EB
Chloroform	SNL0091274	LWDS-MW1	0	22-AUG-92	8240	5	U	5	EB
Chloroform	SNL0091276	LWDS-MW1	0	22-AUG-92	8240	5	U	5	TB
Chloroform	SNL0091291	LWDS-MW1	0	24-AUG-92	8240	5	U	5	EB
Chloroform	SNL0091293	LWDS-MW1	0	24-AUG-92	8240	5	U	5	TB
Chloroform	SNL0091298	LWDS-MW1	0	25-AUG-92	8240	5	U	5	EB
Chloroform	SNL0091300	LWDS-MW1	0	25-AUG-92	8240	5	U	5	TB
Chloroform	SNL0091933	LWDS-52-BH06	0	05-SEP-92	8240	5	U	5	EB
Chloroform	SNL0091935	LWDS-52-BH06	0	05-SEP-92	8240	5	U	5	TB
Chloroform	SNL0091944	LWDS-52-BH08	0	05-SEP-92	8240	5	U	5	EB
Chloroform	SNL0092723	LWDS-MW2	0	18-SEP-92	8240	5	U	5	TB
Chloroform	SNL0092746	LWDS-MW2	0	21-SEP-92	8240	5	U	5	TB
Chloroform	SNL0092791	LWDS-MW2	0	23-SEP-92	8240	5	U	5	EB
Chloroform	SNL0092801	LWDS-MW2	0	23-SEP-92	8240	5	U	5	TB
Chloroform	SNL0092835	LWDS-MW2	0	24-SEP-92	8240	5	U	5	TB
Chloroform	SNL0092847	LWDS-MW2	0	01-OCT-92	8240	5	U	5	TB
Chloroform	SNL0092859	LWDS-MW2	0	02-OCT-92	8240	5	U	5	TB
Chloroform	SNL0092871	LWDS-MW2	0	08-OCT-92	8240	5	U	5	EB
Chloroform	SNL0092881	LWDS-MW2	0	08-OCT-92	8240	5	U	5	TB

Table A-13. Trip blank and equipment blank results for ER Sites 4, 5, and 52.

Analyte	Sample Number	Sample Location	Sample Depth (Ft)	Sample Date	Analytical Method	Amount Detected (mg/L)	Qualifier	Method Detection Limit	Sample Type
Chloroform	SNL0092948	LWDS-MW2	0	17-OCT-92	8240	5	U	5	TB
Chloroform	SNL0092970	LWDS-MW2	0	21-OCT-92	8240	5	U	5	TB
Chloroform	SNL0092989	LWDS-MW1	0	06-APR-93	8240	5	U	5	TB
Chloroform	SNL0093002	LWDS-MW1	0	08-APR-93	8240	5	U	5	TB
Chloroform	SNL0093003	LWDS-MW1	0	13-APR-93	8240	5	U	5	TB
Chloroform	SNL0093013	LWDS-MW1	0	14-APR-93	8240	5	U	5	TB
Chloroform	SNL0093035	LWDS-MW1	0	15-APR-93	8240	5	U	5	TB
Chloroform	SNL0093045	LWDS-MW1	0	17-APR-93	8240	5	U	5	TB
Chloroform	SNL0093082	LWDS-MW1	0	21-APR-93	8240	5	U	5	TB
Chloroform	SNL0093092	LWDS-MW1	0	27-APR-93	8240	5	U	5	TB
Chloroform	SNL0093105	LWDS-MW1	0	28-APR-93	8240	5	U	5	EB
Chloroform	SNL0093114	LWDS-MW1	0	28-APR-93	8240	5	U	5	TB
Chloroform	SNL0093124	LWDS-MW1	0	30-APR-93	8240	5	U	5	TB
Chloroform	SNL0093135	LWDS-MW1	0	03-MAY-93	8240	5	U	5	TB
Chloroform	SNL0093236	LWDS-04-BH09	0	18-MAR-94	8240	5	U	5	EB
Chloroform	SNL0093244	LWDS-04-BH09	0	18-MAR-94	8240	5	U	5	TB
Chloroform	SNL0093245	LWDS-04-BH09	0	18-MAR-94	8240	5	U	5	TB
Chloroform	SNL0093274	LWDS-04-BH10	0	19-MAR-94	8240	5	U	5	EB
Chloroform	SNL0093285	LWDS-04-BH10	0	19-MAR-94	8240	5	U	5	TB
Chloroform	SNL0093286	LWDS-04-BH10	0	19-MAR-94	8240	5	U	5	TB
Chloroform	SNL0093367	LWDS-05-BH13	0	22-MAR-94	8240	5	U	5	EB
Chloroform	SNL0093375	LWDS-05-BH13	0	22-MAR-94	8240	5	U	5	TB
Chloroform	SNL0093376	LWDS-05-BH13	0	22-MAR-94	8240	5	U	5	TB
Chloroform	SNL0093457	LWDS-05-BH12	0	21-MAR-94	8240	5	U	5	EB
Chloroform	SNL0093465	LWDS-05-BH12	0	21-MAR-94	8240	5	U	5	TB
Chloroform	SNL0093466	LWDS-05-BH12	0	21-MAR-94	8240	5	U	5	TB
Chloroform	SNL0093572	LWDS-05-BH11	0	20-MAR-94	8240	5	U	5	TB
Chloroform	SNL0093573	LWDS-05-BH11	0	20-MAR-94	8240	5	U	5	TB
Chloroform	SNL0093574	LWDS-05-BH11	0	20-MAR-94	8240	5	U	5	EB
Chloroform	SNL0093614	LWDS-52-BH16	0	24-MAR-94	8240	5	U	5	EB
Chloroform	SNL0093622	LWDS-52-BH16	0	24-MAR-94	8240	5	U	5	TB
Chloroform	SNL0093646	LWDS-05-BH14	0	23-MAR-94	8240	5	U	5	EB
Chloroform	SNL0093654	LWDS-05-BH14	0	23-MAR-94	8240	5	U	5	TB
Chloroform	SNL0093655	LWDS-05-BH14	0	23-MAR-94	8240	5	U	5	TB
Chloroform	SNL0093705	LWDS-52-BH15	0	23-MAR-94	8240	5	U	5	EB
Chloroform	SNL0094080	LWDS-MW1	0	10-MAR-94	8240	0.005	U	0.005	TB
Chloroform	SNL0094280	LWDS-MW1	0	31-MAY-94	8260	0.001	U	0.001	TB
Chloroform	SNL0094281	LWDS-MW1	0	06-JUN-94	8260	0.001	U	0.001	EB
Chloroform	SNL0094298	LWDS-MW1	0	31-MAY-94	8260	0.001	U	0.001	TB
Chloroform	SNL0094302	LWDS-MW1	0	31-AUG-94	8260	0.001	U	0.001	EB
Chloroform	SNL0094317	LWDS-MW1	0	24-AUG-94	8260	0.001	U	0.001	TB
Chloroform	SNL0094348	LWDS-MW1	0	24-AUG-94	8260	0.005	U	0.005	TB
Chloroform	SNL0094376	LWDS-MW1	0	07-OCT-94	8010	0.001	U	0.001	EB
Chloroform	SNL0094377	LWDS-MW1	0	07-OCT-94	8010	0.001	U	0.001	EB
Chloroform	SNL0094378	LWDS-MW1	0	07-OCT-94	8010	0.001	U	0.001	EB
Chloroform	SNL0094379	LWDS-MW1	0	07-OCT-94	8010	0.001	U	0.001	TB
Chloroform	SNL0094386	LWDS-MW1	0	30-NOV-94	8010	0.001	U	0.001	TB
Chloroform	SNL0094411	LWDS-MW2	0	06-JUN-94	8260	0.001	U	0.001	TB
Chloroform	SNL0094412	LWDS-MW2	0	30-NOV-94	8010	0.001	U	0.001	TB
Chloroform	SNL0094413	LWDS-MW2	0	07-DEC-94	8010	0.001	U	0.001	EB
Chloroform	SNL0094465	LWDS-MW1	0	18-MAR-96	8010	0.5	U	0.5	TB
Chloroform	SNL0094521	LWDS-MW2	0	21-SEP-95	8260	1	U	1	TB
Chloroform	SNL0094530	LWDS-MW1	0	25-SEP-95	8260	1	U	1	TB
Chloroform	SNL0094531	LWDS-MW1	0	25-SEP-95	8260	1	U	1	FB
Chloroform	SNL0094543	LWDS-MW2	0	14-DEC-95	8260	1	U	1	TB
Chloroform	SNL0094618	LWDS MW-2	0	27-FEB-95	8240	0.005	U	0.005	TB
Chloroform	SNL0094619	LWDS MW-2	0	01-MAR-95	8240	0.005	U	0.005	EB
Chloroform	SNL0094667	LWDS MW-1	0	02-MAR-95	8240	0.005	U	0.005	TB
Chloroform	SNL0094705	LWDS-MW2	0	12-JUN-95	8010	0.001	U	0.001	TB
Chloroform	SNL0094748	LWDS-MW2	0	12-JUN-95	8010	0.001	U	0.001	EB
Chloroform	SNL0094760	LWDS-MW1	0	14-JUN-95	8010	0.001	U	0.001	TB
Chloroform	SNL0099096	LWDS-MW2	0	24-JUN-93	8240	0.005	U	0.005	EB
Chloroform	SNL0099097	LWDS-MW2	0	24-JUN-93	8240	0.005	U	0.005	TB
Chloroform	SNL0099118	LWDS-MW1-DRUM	0	27-DEC-93	624	0.005	U	0.005	TB
Chloroform	031518-001	LWDS-MW1-TB		12-MAR-96	PA-SW846-80	0.11	U	0.11	TB
Chloromethane	SNL0090027	LWDS-04-BH01	0	08-AUG-92	8240	10	U	10	EB
Chloromethane	SNL0090029	LWDS-04-BH01	0	08-AUG-92	8240	10	U	10	TB
Chloromethane	SNL0090030	LWDS-04-BH01	0	09-AUG-92	8240	10	U	10	EB

Table A-13. Trip blank and equipment blank results for ER Sites 4, 5, and 52.

Analyte	Sample Number	Sample Location	Sample Depth (Ft)	Sample Date	Analytical Method	Amount Detected (mg/L)	Qualifier	Method Detection Limit	Sample Type
Chloromethane	SNL0090032	LWDS-04-BH01	0	09-AUG-92	8240	10	U	10	TB
Chloromethane	SNL0090053	LWDS-04-BH02	0	10-AUG-92	8240	10	U	10	EB
Chloromethane	SNL0090055	LWDS-04-BH02	0	10-AUG-92	8240	10	U	10	TB
Chloromethane	SNL0090162	LWDS-SS	0	16-JUL-92	8240	10	U	10	TB
Chloromethane	SNL0090163	LWDS-SS	0	16-JUL-92	8240	10	U	10	TB
Chloromethane	SNL0090416	LWDS-SS	0	16-JUL-92	8240	10	U	10	TB
Chloromethane	SNL0090595	LWDS-04-BH02	0	11-AUG-92	8240	10	U	10	EB
Chloromethane	SNL0090597	LWDS-04-BH02	0	11-AUG-92	8240	10	U	10	TB
Chloromethane	SNL0090622	LWDS-04-BH03	0	12-AUG-92	8240	10	U	10	EB
Chloromethane	SNL0090624	LWDS-04-BH03	0	12-AUG-92	8240	10	U	10	TB
Chloromethane	SNL0090737	LWDS-SS	0	17-JUL-92	8240	10	U	10	TB
Chloromethane	SNL0090934	LWDS-SS	0	17-JUL-92	8240	10	U	10	TB
Chloromethane	SNL0091118	LWDS-SS	0	20-JUL-92	8240	10	U	10	TB
Chloromethane	SNL0091157	LWDS-04-BH03	0	13-AUG-92	8240	10	U	10	EB
Chloromethane	SNL0091171	LWDS-04-BH04	0	18-AUG-92	8240	10	U	10	EB
Chloromethane	SNL0091174	LWDS-04-BH04	0	18-AUG-92	8240	10	U	10	TB
Chloromethane	SNL0091191	LWDS-04-BH04	0	19-AUG-92	8240	10	U	10	EB
Chloromethane	SNL0091193	LWDS-04-BH04	0	19-AUG-92	8240	10	U	10	TB
Chloromethane	SNL0091242	LWDS-04-BH05	0	20-AUG-92	8240	10	U	10	TB
Chloromethane	SNL0091256	LWDS-04-BH05	0	20-AUG-92	8240	10	U	10	EB
Chloromethane	SNL0091257	LWDS-04-BH05	0	20-AUG-92	8240	10	U	10	TB
Chloromethane	SNL0091272	LWDS-MW1	0	23-AUG-92	8240	10	U	10	EB
Chloromethane	SNL0091274	LWDS-MW1	0	22-AUG-92	8240	10	U	10	EB
Chloromethane	SNL0091276	LWDS-MW1	0	22-AUG-92	8240	10	U	10	TB
Chloromethane	SNL0091291	LWDS-MW1	0	24-AUG-92	8240	10	U	10	EB
Chloromethane	SNL0091293	LWDS-MW1	0	24-AUG-92	8240	10	U	10	TB
Chloromethane	SNL0091298	LWDS-MW1	0	25-AUG-92	8240	10	U	10	EB
Chloromethane	SNL0091300	LWDS-MW1	0	25-AUG-92	8240	10	U	10	TB
Chloromethane	SNL0091933	LWDS-52-BH06	0	05-SEP-92	8240	10	U	10	EB
Chloromethane	SNL0091935	LWDS-52-BH06	0	05-SEP-92	8240	10	U	10	TB
Chloromethane	SNL0091944	LWDS-52-BH08	0	05-SEP-92	8240	10	U	10	EB
Chloromethane	SNL0092723	LWDS-MW2	0	18-SEP-92	8240	10	U	10	TB
Chloromethane	SNL0092746	LWDS-MW2	0	21-SEP-92	8240	10	U	10	TB
Chloromethane	SNL0092791	LWDS-MW2	0	23-SEP-92	8240	10	U	10	EB
Chloromethane	SNL0092801	LWDS-MW2	0	23-SEP-92	8240	10	U	10	TB
Chloromethane	SNL0092835	LWDS-MW2	0	24-SEP-92	8240	10	U	10	TB
Chloromethane	SNL0092847	LWDS-MW2	0	01-OCT-92	8240	10	U	10	TB
Chloromethane	SNL0092859	LWDS-MW2	0	02-OCT-92	8240	10	U	10	TB
Chloromethane	SNL0092871	LWDS-MW2	0	08-OCT-92	8240	10	U	10	EB
Chloromethane	SNL0092881	LWDS-MW2	0	08-OCT-92	8240	10	U	10	TB
Chloromethane	SNL0092948	LWDS-MW2	0	17-OCT-92	8240	10	U	10	TB
Chloromethane	SNL0092970	LWDS-MW2	0	21-OCT-92	8240	10	U	10	TB
Chloromethane	SNL0092989	LWDS-MW1	0	06-APR-93	8240	10	U	10	TB
Chloromethane	SNL0093002	LWDS-MW1	0	08-APR-93	8240	10	U	10	TB
Chloromethane	SNL0093003	LWDS-MW1	0	13-APR-93	8240	10	U	10	TB
Chloromethane	SNL0093013	LWDS-MW1	0	14-APR-93	8240	10	U	10	TB
Chloromethane	SNL0093035	LWDS-MW1	0	15-APR-93	8240	10	U	10	TB
Chloromethane	SNL0093045	LWDS-MW1	0	17-APR-93	8240	10	U	10	TB
Chloromethane	SNL0093082	LWDS-MW1	0	21-APR-93	8240	10	U	10	TB
Chloromethane	SNL0093092	LWDS-MW1	0	27-APR-93	8240	10	U	10	TB
Chloromethane	SNL0093105	LWDS-MW1	0	28-APR-93	8240	10	U	10	EB
Chloromethane	SNL0093114	LWDS-MW1	0	28-APR-93	8240	10	U	10	TB
Chloromethane	SNL0093124	LWDS-MW1	0	30-APR-93	8240	10	U	10	TB
Chloromethane	SNL0093135	LWDS-MW1	0	03-MAY-93	8240	10	U	10	TB
Chloromethane	SNL0093236	LWDS-04-BH09	0	18-MAR-94	8240	10	U	10	EB
Chloromethane	SNL0093244	LWDS-04-BH09	0	18-MAR-94	8240	10	U	10	TB
Chloromethane	SNL0093245	LWDS-04-BH09	0	18-MAR-94	8240	10	U	10	TB
Chloromethane	SNL0093274	LWDS-04-BH10	0	19-MAR-94	8240	10	U	10	EB
Chloromethane	SNL0093285	LWDS-04-BH10	0	19-MAR-94	8240	10	U	10	TB
Chloromethane	SNL0093286	LWDS-04-BH10	0	19-MAR-94	8240	10	U	10	TB
Chloromethane	SNL0093367	LWDS-05-BH13	0	22-MAR-94	8240	10	U	10	EB
Chloromethane	SNL0093375	LWDS-05-BH13	0	22-MAR-94	8240	10	U	10	TB
Chloromethane	SNL0093376	LWDS-05-BH13	0	22-MAR-94	8240	10	U	10	TB
Chloromethane	SNL0093457	LWDS-05-BH12	0	21-MAR-94	8240	10	U	10	EB
Chloromethane	SNL0093465	LWDS-05-BH12	0	21-MAR-94	8240	10	U	10	TB
Chloromethane	SNL0093466	LWDS-05-BH12	0	21-MAR-94	8240	10	U	10	TB
Chloromethane	SNL0093572	LWDS-05-BH11	0	20-MAR-94	8240	10	U	10	TB
Chloromethane	SNL0093573	LWDS-05-BH11	0	20-MAR-94	8240	10	U	10	TB

Table A-13. Trip blank and equipment blank results for ER Sites 4, 5, and 52.

Analyte	Sample Number	Sample Location	Sample Depth (Ft)	Sample Date	Analytical Method	Amount Detected (mg/L)	Qualifier	Method Detection Limit	Sample Type
Chloromethane	SNL0093574	LWDS-05-BH11	0	20-MAR-94	8240	10	U	10	EB
Chloromethane	SNL0093614	LWDS-52-BH16	0	24-MAR-94	8240	10	U	10	EB
Chloromethane	SNL0093622	LWDS-52-BH16	0	24-MAR-94	8240	10	U	10	TB
Chloromethane	SNL0093646	LWDS-05-BH14	0	23-MAR-94	8240	10	U	10	EB
Chloromethane	SNL0093654	LWDS-05-BH14	0	23-MAR-94	8240	10	U	10	TB
Chloromethane	SNL0093655	LWDS-05-BH14	0	23-MAR-94	8240	10	U	10	TB
Chloromethane	SNL0093705	LWDS-52-BH15	0	23-MAR-94	8240	10	U	10	EB
Chloromethane	SNL0094080	LWDS-MW1	0	10-MAR-94	8240	0.01	U	0.01	TB
Chloromethane	SNL0094280	LWDS-MW1	0	31-MAY-94	8260	0.001	U	0.001	TB
Chloromethane	SNL0094281	LWDS-MW1	0	06-JUN-94	8260	0.001	U	0.001	EB
Chloromethane	SNL0094298	LWDS-MW1	0	31-MAY-94	8260	0.001	U	0.001	TB
Chloromethane	SNL0094302	LWDS-MW1	0	31-AUG-94	8260	0.001	U	0.001	EB
Chloromethane	SNL0094317	LWDS-MW1	0	24-AUG-94	8260	0.001	U	0.001	TB
Chloromethane	SNL0094348	LWDS-MW1	0	24-AUG-94	8260	0.01	U	0.01	TB
Chloromethane	SNL0094376	LWDS-MW1	0	07-OCT-94	8010	0.001	U	0.001	EB
Chloromethane	SNL0094377	LWDS-MW1	0	07-OCT-94	8010	0.001	U	0.001	EB
Chloromethane	SNL0094378	LWDS-MW1	0	07-OCT-94	8010	0.001	U	0.001	EB
Chloromethane	SNL0094379	LWDS-MW1	0	07-OCT-94	8010	0.001	U	0.001	TB
Chloromethane	SNL0094386	LWDS-MW1	0	30-NOV-94	8010	0.001	U	0.001	TB
Chloromethane	SNL0094411	LWDS-MW2	0	06-JUN-94	8260	0.001	U	0.001	TB
Chloromethane	SNL0094412	LWDS-MW2	0	30-NOV-94	8010	0.001	U	0.001	TB
Chloromethane	SNL0094413	LWDS-MW2	0	07-DEC-94	8010	0.001	U	0.001	EB
Chloromethane	SNL0094465	LWDS-MW1	0	18-MAR-96	8010	5	U	5	TB
Chloromethane	SNL0094521	LWDS-MW2	0	21-SEP-95	8260	1	U	1	TB
Chloromethane	SNL0094530	LWDS-MW1	0	25-SEP-95	8260	1	U	1	TB
Chloromethane	SNL0094531	LWDS-MW1	0	25-SEP-95	8260	1	U	1	FB
Chloromethane	SNL0094543	LWDS-MW2	0	14-DEC-95	8260	1	U	1	TB
Chloromethane	SNL0094618	LWDS MW-2	0	27-FEB-95	8240	0.01	U	0.01	TB
Chloromethane	SNL0094619	LWDS MW-2	0	01-MAR-95	8240	0.01	U	0.01	EB
Chloromethane	SNL0094667	LWDS MW-1	0	02-MAR-95	8240	0.01	U	0.01	TB
Chloromethane	SNL0094705	LWDS-MW2	0	12-JUN-95	8010	0.001	U	0.001	TB
Chloromethane	SNL0094748	LWDS-MW2	0	12-JUN-95	8010	0.001	U	0.001	EB
Chloromethane	SNL0094760	LWDS-MW1	0	14-JUN-95	8010	0.001	U	0.001	TB
Chloromethane	SNL0099096	LWDS-MW2	0	24-JUN-93	8240	0.01	U	0.01	EB
Chloromethane	SNL0099097	LWDS-MW2	0	24-JUN-93	8240	0.01	U	0.01	TB
Chloromethane	SNL0099118	LWDS-MW1-DRUM	0	27-DEC-93	624	0.01	U	0.01	TB
Chloromethane	031518-001	LWDS-MW1-TB		12-MAR-96	PA-SW846-80	0.24	U	0.24	TB
Chloronaphthalene, 2-	SNL0090028	LWDS-04-BH01	0	08-AUG-92	8270	10	U	10	EB
Chloronaphthalene, 2-	SNL0090031	LWDS-04-BH01	0	09-AUG-92	8270	10	U	10	EB
Chloronaphthalene, 2-	SNL0090054	LWDS-04-BH02	0	10-AUG-92	8270	10	U	10	EB
Chloronaphthalene, 2-	SNL0090596	LWDS-04-BH02	0	11-AUG-92	8270	10	U	10	EB
Chloronaphthalene, 2-	SNL0090623	LWDS-04-BH03	0	12-AUG-92	8270	10	U	10	EB
Chloronaphthalene, 2-	SNL0091158	LWDS-04-BH03	0	13-AUG-92	8270	10	U	10	EB
Chloronaphthalene, 2-	SNL0091172	LWDS-04-BH04	0	18-AUG-92	8270	10	U	10	EB
Chloronaphthalene, 2-	SNL0091173	LWDS-04-BH04	0	18-AUG-92	8270	11	U	11	EB
Chloronaphthalene, 2-	SNL0091192	LWDS-04-BH04	0	19-AUG-92	8270	10	U	10	EB
Chloronaphthalene, 2-	SNL0091255	LWDS-04-BH05	0	20-AUG-92	8270	10	U	10	EB
Chloronaphthalene, 2-	SNL0091273	LWDS-MW1	0	23-AUG-92	8270	10	U	10	EB
Chloronaphthalene, 2-	SNL0091275	LWDS-MW1	0	22-AUG-92	8270	10	U	10	EB
Chloronaphthalene, 2-	SNL0091292	LWDS-MW1	0	24-AUG-92	8270	10	U	10	EB
Chloronaphthalene, 2-	SNL0091299	LWDS-MW1	0	25-AUG-92	8270	10	U	10	EB
Chloronaphthalene, 2-	SNL0091934	LWDS-52-BH06	0	05-SEP-92	8270	10	U	10	EB
Chloronaphthalene, 2-	SNL0091945	LWDS-52-BH08	0	05-SEP-92	8270	10	U	10	EB
Chloronaphthalene, 2-	SNL0092792	LWDS-MW2	0	23-SEP-92	8270	10	U	10	EB
Chloronaphthalene, 2-	SNL0092872	LWDS-MW2	0	08-OCT-92	8270	10	U	10	EB
Chloronaphthalene, 2-	SNL0093106	LWDS-MW1	0	28-APR-93	8270	10	U	10	EB
Chloronaphthalene, 2-	SNL0093237	LWDS-04-BH09	0	18-MAR-94	8270	10	U	10	EB
Chloronaphthalene, 2-	SNL0093275	LWDS-04-BH10	0	19-MAR-94	8270	10	U	10	EB
Chloronaphthalene, 2-	SNL0093368	LWDS-05-BH13	0	22-MAR-94	8270	10	U	10	EB
Chloronaphthalene, 2-	SNL0093458	LWDS-05-BH12	0	21-MAR-94	8270	10	U	10	EB
Chloronaphthalene, 2-	SNL0093575	LWDS-05-BH11	0	20-MAR-94	8270	10	U	10	EB
Chloronaphthalene, 2-	SNL0093615	LWDS-52-BH16	0	24-MAR-94	8270	10	U	10	EB
Chloronaphthalene, 2-	SNL0093647	LWDS-05-BH14	0	23-MAR-94	8270	10	U	10	EB
Chloronaphthalene, 2-	SNL0093706	LWDS-52-BH15	0	23-MAR-94	8270	10	U	10	EB
Chloronaphthalene, 2-	SNL0094017	LWDS-MW2	0	11-MAR-94	8270	0.01	U	0.01	EB
Chloronaphthalene, 2-	SNL0094282	LWDS-MW1	0	06-JUN-94	8270	0.01	U	0.01	EB
Chloronaphthalene, 2-	SNL0094303	LWDS-MW1	0	31-AUG-94	8270	0.01	U	0.01	EB
Chloronaphthalene, 2-	SNL0094414	LWDS-MW2	0	07-DEC-94	8270	0.01	U	0.01	EB

Table A-13. Trip blank and equipment blank results for ER Sites 4, 5, and 52.

Analyte	Sample Number	Sample Location	Sample Depth (Ft)	Sample Date	Analytical Method	Amount Detected (mg/L)	Qualifier	Method Detection Limit	Sample Type
Chloronaphthalene, 2-	SNL0094620	LWDS MW-2	0	01-MAR-95	8270	0.01	U	0.01	EB
Chloronaphthalene, 2-	SNL0094749	LWDS-MW2	0	12-JUN-95	8270	0.01	U	0.01	EB
Chloronaphthalene, 2-	SNL0099100	LWDS-MW2	0	24-JUN-93	8270	0.01	U	0.01	EB
Chlorophenol, 2-	SNL0090028	LWDS-04-BH01	0	08-AUG-92	8270	10	U	10	EB
Chlorophenol, 2-	SNL0090031	LWDS-04-BH01	0	09-AUG-92	8270	10	U	10	EB
Chlorophenol, 2-	SNL0090054	LWDS-04-BH02	0	10-AUG-92	8270	10	U	10	EB
Chlorophenol, 2-	SNL0090596	LWDS-04-BH02	0	11-AUG-92	8270	10	U	10	EB
Chlorophenol, 2-	SNL0090623	LWDS-04-BH03	0	12-AUG-92	8270	10	U	10	EB
Chlorophenol, 2-	SNL0091158	LWDS-04-BH03	0	13-AUG-92	8270	10	U	10	EB
Chlorophenol, 2-	SNL0091172	LWDS-04-BH04	0	18-AUG-92	8270	10	U	10	EB
Chlorophenol, 2-	SNL0091173	LWDS-04-BH04	0	18-AUG-92	8270	11	U	11	EB
Chlorophenol, 2-	SNL0091192	LWDS-04-BH04	0	19-AUG-92	8270	10	U	10	EB
Chlorophenol, 2-	SNL0091255	LWDS-04-BH05	0	20-AUG-92	8270	10	U	10	EB
Chlorophenol, 2-	SNL0091273	LWDS-MW1	0	23-AUG-92	8270	10	U	10	EB
Chlorophenol, 2-	SNL0091275	LWDS-MW1	0	22-AUG-92	8270	10	U	10	EB
Chlorophenol, 2-	SNL0091292	LWDS-MW1	0	24-AUG-92	8270	10	U	10	EB
Chlorophenol, 2-	SNL0091299	LWDS-MW1	0	25-AUG-92	8270	10	U	10	EB
Chlorophenol, 2-	SNL0091934	LWDS-52-BH06	0	05-SEP-92	8270	10	U	10	EB
Chlorophenol, 2-	SNL0091945	LWDS-52-BH08	0	05-SEP-92	8270	10	U	10	EB
Chlorophenol, 2-	SNL0092792	LWDS-MW2	0	23-SEP-92	8270	10	U	10	EB
Chlorophenol, 2-	SNL0092872	LWDS-MW2	0	08-OCT-92	8270	10	U	10	EB
Chlorophenol, 2-	SNL0093106	LWDS-MW1	0	28-APR-93	8270	10	U	10	EB
Chlorophenol, 2-	SNL0093237	LWDS-04-BH09	0	18-MAR-94	8270	10	U	10	EB
Chlorophenol, 2-	SNL0093275	LWDS-04-BH10	0	19-MAR-94	8270	10	U	10	EB
Chlorophenol, 2-	SNL0093368	LWDS-05-BH13	0	22-MAR-94	8270	10	U	10	EB
Chlorophenol, 2-	SNL0093458	LWDS-05-BH12	0	21-MAR-94	8270	10	U	10	EB
Chlorophenol, 2-	SNL0093575	LWDS-05-BH11	0	20-MAR-94	8270	10	U	10	EB
Chlorophenol, 2-	SNL0093615	LWDS-52-BH16	0	24-MAR-94	8270	10	U	10	EB
Chlorophenol, 2-	SNL0093647	LWDS-05-BH14	0	23-MAR-94	8270	10	U	10	EB
Chlorophenol, 2-	SNL0093706	LWDS-52-BH15	0	23-MAR-94	8270	10	U	10	EB
Chlorophenol, 2-	SNL0094017	LWDS-MW2	0	11-MAR-94	8270	0.01	U	0.01	EB
Chlorophenol, 2-	SNL0094282	LWDS-MW1	0	06-JUN-94	8270	0.01	U	0.01	EB
Chlorophenol, 2-	SNL0094303	LWDS-MW1	0	31-AUG-94	8270	0.01	U	0.01	EB
Chlorophenol, 2-	SNL0094414	LWDS-MW2	0	07-DEC-94	8270	0.01	U	0.01	EB
Chlorophenol, 2-	SNL0094620	LWDS MW-2	0	01-MAR-95	8270	0.01	U	0.01	EB
Chlorophenol, 2-	SNL0094749	LWDS-MW2	0	12-JUN-95	8270	0.01	U	0.01	EB
Chlorophenol, 2-	SNL0099100	LWDS-MW2	0	24-JUN-93	8270	0.01	U	0.01	EB
lorophenyl phenyl ether,	SNL0090028	LWDS-04-BH01	0	08-AUG-92	8270	10	U	10	EB
lorophenyl phenyl ether,	SNL0090031	LWDS-04-BH01	0	09-AUG-92	8270	10	U	10	EB
lorophenyl phenyl ether,	SNL0090054	LWDS-04-BH02	0	10-AUG-92	8270	10	U	10	EB
lorophenyl phenyl ether,	SNL0090596	LWDS-04-BH02	0	11-AUG-92	8270	10	U	10	EB
lorophenyl phenyl ether,	SNL0090623	LWDS-04-BH03	0	12-AUG-92	8270	10	U	10	EB
lorophenyl phenyl ether,	SNL0091158	LWDS-04-BH03	0	13-AUG-92	8270	10	U	10	EB
lorophenyl phenyl ether,	SNL0091172	LWDS-04-BH04	0	18-AUG-92	8270	10	U	10	EB
lorophenyl phenyl ether,	SNL0091173	LWDS-04-BH04	0	18-AUG-92	8270	11	U	11	EB
lorophenyl phenyl ether,	SNL0091192	LWDS-04-BH04	0	19-AUG-92	8270	10	U	10	EB
lorophenyl phenyl ether,	SNL0091255	LWDS-04-BH05	0	20-AUG-92	8270	10	U	10	EB
lorophenyl phenyl ether,	SNL0091273	LWDS-MW1	0	23-AUG-92	8270	10	U	10	EB
lorophenyl phenyl ether,	SNL0091275	LWDS-MW1	0	22-AUG-92	8270	10	U	10	EB
lorophenyl phenyl ether,	SNL0091292	LWDS-MW1	0	24-AUG-92	8270	10	U	10	EB
lorophenyl phenyl ether,	SNL0091299	LWDS-MW1	0	25-AUG-92	8270	10	U	10	EB
lorophenyl phenyl ether,	SNL0091934	LWDS-52-BH06	0	05-SEP-92	8270	10	U	10	EB
lorophenyl phenyl ether,	SNL0091945	LWDS-52-BH08	0	05-SEP-92	8270	10	U	10	EB
lorophenyl phenyl ether,	SNL0092792	LWDS-MW2	0	23-SEP-92	8270	10	U	10	EB
lorophenyl phenyl ether,	SNL0092872	LWDS-MW2	0	08-OCT-92	8270	10	U	10	EB
lorophenyl phenyl ether,	SNL0093106	LWDS-MW1	0	28-APR-93	8270	10	U	10	EB
lorophenyl phenyl ether,	SNL0093237	LWDS-04-BH09	0	18-MAR-94	8270	10	U	10	EB
lorophenyl phenyl ether,	SNL0093275	LWDS-04-BH10	0	19-MAR-94	8270	10	U	10	EB
lorophenyl phenyl ether,	SNL0093368	LWDS-05-BH13	0	22-MAR-94	8270	10	U	10	EB
lorophenyl phenyl ether,	SNL0093458	LWDS-05-BH12	0	21-MAR-94	8270	10	U	10	EB
lorophenyl phenyl ether,	SNL0093575	LWDS-05-BH11	0	20-MAR-94	8270	10	U	10	EB
lorophenyl phenyl ether,	SNL0093615	LWDS-52-BH16	0	24-MAR-94	8270	10	U	10	EB
lorophenyl phenyl ether,	SNL0093647	LWDS-05-BH14	0	23-MAR-94	8270	10	U	10	EB
lorophenyl phenyl ether,	SNL0093706	LWDS-52-BH15	0	23-MAR-94	8270	10	U	10	EB
lorophenyl phenyl ether,	SNL0094017	LWDS-MW2	0	11-MAR-94	8270	0.01	U	0.01	EB
lorophenyl phenyl ether,	SNL0094282	LWDS-MW1	0	06-JUN-94	8270	0.01	U	0.01	EB
lorophenyl phenyl ether,	SNL0094303	LWDS-MW1	0	31-AUG-94	8270	0.01	U	0.01	EB
lorophenyl phenyl ether,	SNL0094414	LWDS-MW2	0	07-DEC-94	8270	0.01	U	0.01	EB

Table A-13. Trip blank and equipment blank results for ER Sites 4, 5, and 52.

Analyte	Sample Number	Sample Location	Sample Depth (Ft)	Sample Date	Analytical Method	Amount Detected (mg/L)	Qualifier	Method Detection Limit	Sample Type
lorophenyl phenyl ether,	SNL0094620	LWDS MW-2	0	01-MAR-95	8270	0.01	U	0.01	EB
lorophenyl phenyl ether,	SNL0094749	LWDS-MW2	0	12-JUN-95	8270	0.01	U	0.01	EB
lorophenyl phenyl ether,	SNL0099100	LWDS-MW2	0	24-JUN-93	8270	0.01	U	0.01	EB
loropropane), 2,2'-oxybis	SNL0090028	LWDS-04-BH01	0	08-AUG-92	8270	10	U	10	EB
loropropane), 2,2'-oxybis	SNL0090031	LWDS-04-BH01	0	09-AUG-92	8270	10	U	10	EB
loropropane), 2,2'-oxybis	SNL0090054	LWDS-04-BH02	0	10-AUG-92	8270	10	U	10	EB
loropropane), 2,2'-oxybis	SNL0090596	LWDS-04-BH02	0	11-AUG-92	8270	10	U	10	EB
loropropane), 2,2'-oxybis	SNL0090623	LWDS-04-BH03	0	12-AUG-92	8270	10	U	10	EB
loropropane), 2,2'-oxybis	SNL0091158	LWDS-04-BH03	0	13-AUG-92	8270	10	U	10	EB
loropropane), 2,2'-oxybis	SNL0091172	LWDS-04-BH04	0	18-AUG-92	8270	10	U	10	EB
loropropane), 2,2'-oxybis	SNL0091173	LWDS-04-BH04	0	18-AUG-92	8270	11	U	11	EB
loropropane), 2,2'-oxybis	SNL0091192	LWDS-04-BH04	0	19-AUG-92	8270	10	U	10	EB
loropropane), 2,2'-oxybis	SNL0091255	LWDS-04-BH05	0	20-AUG-92	8270	10	U	10	EB
loropropane), 2,2'-oxybis	SNL0091273	LWDS-MW1	0	23-AUG-92	8270	10	U	10	EB
loropropane), 2,2'-oxybis	SNL0091275	LWDS-MW1	0	22-AUG-92	8270	10	U	10	EB
loropropane), 2,2'-oxybis	SNL0091292	LWDS-MW1	0	24-AUG-92	8270	10	U	10	EB
loropropane), 2,2'-oxybis	SNL0091299	LWDS-MW1	0	25-AUG-92	8270	10	U	10	EB
loropropane), 2,2'-oxybis	SNL0091934	LWDS-52-BH06	0	05-SEP-92	8270	10	U	10	EB
loropropane), 2,2'-oxybis	SNL0091945	LWDS-52-BH08	0	05-SEP-92	8270	10	U	10	EB
loropropane), 2,2'-oxybis	SNL0092792	LWDS-MW2	0	23-SEP-92	8270	10	U	10	EB
loropropane), 2,2'-oxybis	SNL0092872	LWDS-MW2	0	08-OCT-92	8270	10	U	10	EB
loropropane), 2,2'-oxybis	SNL0093106	LWDS-MW1	0	28-APR-93	8270	10	U	10	EB
loropropane), 2,2'-oxybis	SNL0093237	LWDS-04-BH09	0	18-MAR-94	8270	10	U	10	EB
loropropane), 2,2'-oxybis	SNL0093275	LWDS-04-BH10	0	19-MAR-94	8270	10	U	10	EB
loropropane), 2,2'-oxybis	SNL0093368	LWDS-05-BH13	0	22-MAR-94	8270	10	U	10	EB
loropropane), 2,2'-oxybis	SNL0093458	LWDS-05-BH12	0	21-MAR-94	8270	10	U	10	EB
loropropane), 2,2'-oxybis	SNL0093575	LWDS-05-BH11	0	20-MAR-94	8270	10	U	10	EB
loropropane), 2,2'-oxybis	SNL0093615	LWDS-52-BH16	0	24-MAR-94	8270	10	U	10	EB
loropropane), 2,2'-oxybis	SNL0093647	LWDS-05-BH14	0	23-MAR-94	8270	10	U	10	EB
loropropane), 2,2'-oxybis	SNL0093706	LWDS-52-BH15	0	23-MAR-94	8270	10	U	10	EB
loropropane), 2,2'-oxybis	SNL0094017	LWDS-MW2	0	11-MAR-94	8270	0.01	U	0.01	EB
Chromium	SNL0091302	LWDS-04-BH01	0	09-AUG-92	6010	0.023		0.01	EB
Chromium	SNL0091519	LWDS-04-BH01	0	08-AUG-92	6010	0.01	U	0.01	EB
Chromium	SNL0091528	LWDS-04-BH02	0	10-AUG-92	6010	0.01	U	0.01	EB
Chromium	SNL0091576	LWDS-04-BH02	0	11-AUG-92	6010	0.01	U	0.01	EB
Chromium	SNL0091684	LWDS-04-BH03	0	12-AUG-92	6010	0.01	U	0.01	EB
Chromium	SNL0091735	LWDS-04-BH03	0	13-AUG-92	6010	0.01	U	0.01	EB
Chromium	SNL0091791	LWDS-04-BH04	0	18-AUG-92	6010	0.01	U	0.01	EB
Chromium	SNL0091927	LWDS-04-BH04	0	19-AUG-92	6010	0.01	U	0.01	EB
Chromium	SNL0092178	LWDS-04-BH05	0	20-AUG-92	6010	0.01	U	0.01	EB
Chromium	SNL0092210	LWDS-MW1	0	24-AUG-92	6010	0.01	U	0.01	EB
Chromium	SNL0092218	LWDS-MW1	0	22-AUG-92	6010	0.01	U	0.01	EB
Chromium	SNL0092325	LWDS-MW1	0	23-AUG-92	6010	0.01	U	0.01	EB
Chromium	SNL0092351	LWDS-MW1	0	25-AUG-92	6010	0.01	U	0.01	EB
Chromium	SNL0092374	LWDS-52-BH06	0	05-SEP-92	6010	0.01	U	0.01	EB
Chromium	SNL0092418	LWDS-52-BH08	0	05-SEP-92	6010	0.01	U	0.01	EB
Chromium	SNL0092507	LWDS-52-BH07	0	07-SEP-92	6010	0.01	U	0.01	EB
Chromium	SNL0092532	LWDS-MW2	0	07-SEP-92	6010	0.01	U	0.01	EB
Chromium	SNL0092685	LWDS-52-BH07	0	06-SEP-92	6010	0.01	U	0.01	EB
Chromium	SNL0092795	LWDS-MW2	0	23-SEP-92	6010	0.23		0.01	EB
Chromium	SNL0092875	LWDS-MW2	0	08-OCT-92	6010	0.01	U	0.01	EB
Chromium	SNL0093107	LWDS-MW1	0	28-APR-93	6010	0.01	U	0.01	EB
Chromium	SNL0093238	LWDS-04-BH09	0	18-MAR-94	6010	0.01	U	0.01	EB
Chromium	SNL0093276	LWDS-04-BH10	0	19-MAR-94	6010	0.0047	J	0.01	EB
Chromium	SNL0093369	LWDS-05-BH13	0	22-MAR-94	6010	0.01	U	0.01	EB
Chromium	SNL0093459	LWDS-05-BH12	0	21-MAR-94	6010	0.01	U	0.01	EB
Chromium	SNL0093576	LWDS-05-BH11	0	20-MAR-94	6010	0.01	U	0.01	EB
Chromium	SNL0093616	LWDS-52-BH16	0	24-MAR-94	6010	0.0046	J	0.01	EB
Chromium	SNL0093648	LWDS-05-BH14	0	23-MAR-94	6010	0.01	U	0.01	EB
Chromium	SNL0093707	LWDS-52-BH15	0	23-MAR-94	6010	0.0055	J	0.01	EB
Chromium	SNL0094026	LWDS-MW2	0	09-MAR-94	6010	0.01	U	0.01	EB
Chromium	SNL0094283	LWDS-MW1	0	06-JUN-94	6010	0.02	U	0.02	EB
Chromium	SNL0094304	LWDS-MW1	0	31-AUG-94	6010	0.02	U	0.02	EB
Chromium	SNL0094416	LWDS-MW2	0	07-DEC-94	6020	0.01	U	0.01	EB
Chromium	SNL0094622	LWDS MW-2	0	01-MAR-95	6020	0.01	U	0.01	EB
Chromium	SNL0094751	LWDS-MW2	0	12-JUN-95	6020	0.01	U	0.01	EB
Chromium	SNL0099067	LWDS-MW2	0	24-JUN-93	6010	0.01	U	0.01	EB
Chromium-51	SNL0091301	LWDS-04-BH01	0	09-AUG-92	GAMMA	185	<	185	EB

Table A-13. Trip blank and equipment blank results for ER Sites 4, 5, and 52.

Analyte	Sample Number	Sample Location	Sample Depth (Ft)	Sample Date	Analytical Method	Amount Detected (mg/L)	Qualifier	Method Detection Limit	Sample Type
Chromium-51	SNL0091518	LWDS-04-BH01	0	08-AUG-92	GAMMA	145	<	145	EB
Chromium-51	SNL0091526	LWDS-04-BH02	0	10-AUG-92	GAMMA	118	<	118	EB
Chromium-51	SNL0091574	LWDS-04-BH02	0	11-AUG-92	GAMMA	119	<	119	EB
Chromium-51	SNL0091682	LWDS-04-BH03	0	12-AUG-92	GAMMA	184	<	184	EB
Chromium-51	SNL0091733	LWDS-04-BH03	0	13-AUG-92	GAMMA	125	<	125	EB
Chromium-51	SNL0091789	LWDS-04-BH04	0	18-AUG-92	GAMMA	177	<	177	EB
Chromium-51	SNL0091925	LWDS-04-BH04	0	19-AUG-92	GAMMA	152	<	152	EB
Chromium-51	SNL0092176	LWDS-04-BH05	0	20-AUG-92	GAMMA	163	<	163	EB
Chromium-51	SNL0092208	LWDS-MW1	0	24-AUG-92	GAMMA	193	<	193	EB
Chromium-51	SNL0092216	LWDS-MW1	0	22-AUG-92	GAMMA	127	<	127	EB
Chromium-51	SNL0092323	LWDS-MW1	0	23-AUG-92	GAMMA	73.9	<	73.9	EB
Chromium-51	SNL0092349	LWDS-MW1	0	25-AUG-92	GAMMA	87	<	87	EB
Chromium-51	SNL0092373	LWDS-52-BH06	0	05-SEP-92	GAMMA	46.7	<	46.7	EB
Chromium-51	SNL0092417	LWDS-52-BH08	0	05-SEP-92	GAMMA	74.8	<	74.8	EB
Chromium-51	SNL0092506	LWDS-52-BH07	0	07-SEP-92	GAMMA	74.4	<	74.4	EB
Chromium-51	SNL0092538	LWDS-MW2	0	07-SEP-92	GAMMA	104	<	104	EB
Chromium-51	SNL0092684	LWDS-52-BH07	0	06-SEP-92	GAMMA	75.1	<	75.1	EB
Chromium-51	SNL0092793	LWDS-MW2	0	23-SEP-92	GAMMA	85.1	<	85.1	EB
Chromium-51	SNL0092873	LWDS-MW2	0	08-OCT-92	GAMMA	79	<	79	EB
Chromium-51	SNL0093766	LWDS-MW1	0	27-APR-93	GAMMA	300	U	300	EB
Chromium-51	SNL0093779	LWDS-MW2	0	24-JUN-93	GAMMA	350	U	350	EB
Chromium-51	SNL0093788	LWDS-MW1	0	03-NOV-93	GAMMA	200	U	200	EB
Chromium-51	SNL0094220	LWDS-04-BH09-EB	0	18-MAR-94	GAMMA	0.0838	U	0.0838	EB
Chromium-51	SNL0094223	LWDS-04-BH10-EB	0	19-MAR-94	GAMMA	0.10581	U	0.10581	EB
Chromium-51	SNL0094226	LWDS-05-BH11-EB	0	20-MAR-94	GAMMA	0.0917	U	0.0917	EB
Chromium-51	SNL0094227	LWDS-MW1	0	06-JUN-94	GAMMA	0.0939	U	0.0939	EB
Chromium-51	SNL0094243	LWDS-MW2	0	07-DEC-94	GAMMA	0.0823	U	0.0823	EB
Chromium-51	SNL0094247	LWDS-MW1	0	08-DEC-94	GAMMA	0.093	U	0.093	FB
Chromium-51	SNL0094488	LWDS-MW2	0	12-JUN-95	901.1	115		115	EB
Chromium VI	SNL0093109	LWDS-MW1	0	28-APR-93	7196	0.01	U	0.01	EB
Chrysene	SNL0090028	LWDS-04-BH01	0	08-AUG-92	8270	10	U	10	EB
Chrysene	SNL0090031	LWDS-04-BH01	0	09-AUG-92	8270	10	U	10	EB
Chrysene	SNL0090054	LWDS-04-BH02	0	10-AUG-92	8270	10	U	10	EB
Chrysene	SNL0090596	LWDS-04-BH02	0	11-AUG-92	8270	10	U	10	EB
Chrysene	SNL0090623	LWDS-04-BH03	0	12-AUG-92	8270	10	U	10	EB
Chrysene	SNL0091158	LWDS-04-BH03	0	13-AUG-92	8270	10	U	10	EB
Chrysene	SNL0091172	LWDS-04-BH04	0	18-AUG-92	8270	10	U	10	EB
Chrysene	SNL0091173	LWDS-04-BH04	0	18-AUG-92	8270	11	U	11	EB
Chrysene	SNL0091192	LWDS-04-BH04	0	19-AUG-92	8270	10	U	10	EB
Chrysene	SNL0091255	LWDS-04-BH05	0	20-AUG-92	8270	10	U	10	EB
Chrysene	SNL0091273	LWDS-MW1	0	23-AUG-92	8270	10	U	10	EB
Chrysene	SNL0091275	LWDS-MW1	0	22-AUG-92	8270	10	U	10	EB
Chrysene	SNL0091292	LWDS-MW1	0	24-AUG-92	8270	10	U	10	EB
Chrysene	SNL0091299	LWDS-MW1	0	25-AUG-92	8270	10	U	10	EB
Chrysene	SNL0091934	LWDS-52-BH06	0	05-SEP-92	8270	10	U	10	EB
Chrysene	SNL0091945	LWDS-52-BH08	0	05-SEP-92	8270	10	U	10	EB
Chrysene	SNL0092792	LWDS-MW2	0	23-SEP-92	8270	10	U	10	EB
Chrysene	SNL0092872	LWDS-MW2	0	08-OCT-92	8270	10	U	10	EB
Chrysene	SNL0093106	LWDS-MW1	0	28-APR-93	8270	10	U	10	EB
Chrysene	SNL0093237	LWDS-04-BH09	0	18-MAR-94	8270	10	U	10	EB
Chrysene	SNL0093275	LWDS-04-BH10	0	19-MAR-94	8270	10	U	10	EB
Chrysene	SNL0093368	LWDS-05-BH13	0	22-MAR-94	8270	10	U	10	EB
Chrysene	SNL0093458	LWDS-05-BH12	0	21-MAR-94	8270	10	U	10	EB
Chrysene	SNL0093575	LWDS-05-BH11	0	20-MAR-94	8270	10	U	10	EB
Chrysene	SNL0093615	LWDS-52-BH16	0	24-MAR-94	8270	10	U	10	EB
Chrysene	SNL0093647	LWDS-05-BH14	0	23-MAR-94	8270	10	U	10	EB
Chrysene	SNL0093706	LWDS-52-BH15	0	23-MAR-94	8270	10	U	10	EB
Chrysene	SNL0094017	LWDS-MW2	0	11-MAR-94	8270	0.01	U	0.01	EB
Chrysene	SNL0094282	LWDS-MW1	0	06-JUN-94	8270	0.01	U	0.01	EB
Chrysene	SNL0094303	LWDS-MW1	0	31-AUG-94	8270	0.01	U	0.01	EB
Chrysene	SNL0094414	LWDS-MW2	0	07-DEC-94	8270	0.01	U	0.01	EB
Chrysene	SNL0094620	LWDS MW-2	0	01-MAR-95	8270	0.01	U	0.01	EB
Chrysene	SNL0094749	LWDS-MW2	0	12-JUN-95	8270	0.01	U	0.01	EB
Chrysene	SNL0099100	LWDS-MW2	0	24-JUN-93	8270	0.01	U	0.01	EB
Cobalt	SNL0091302	LWDS-04-BH01	0	09-AUG-92	6010	0.01	U	0.01	EB
Cobalt	SNL0091519	LWDS-04-BH01	0	08-AUG-92	6010	0.01	U	0.01	EB
Cobalt	SNL0091528	LWDS-04-BH02	0	10-AUG-92	6010	0.01	U	0.01	EB
Cobalt	SNL0091576	LWDS-04-BH02	0	11-AUG-92	6010	0.01	U	0.01	EB

Table A-13. Trip blank and equipment blank results for ER Sites 4, 5, and 52.

Analyte	Sample Number	Sample Location	Sample Depth (Ft)	Sample Date	Analytical Method	Amount Detected (mg/L)	Qualifier	Method Detection Limit	Sample Type
Cobalt	SNL0091684	LWDS-04-BH03	0	12-AUG-92	6010	0.01	U	0.01	EB
Cobalt	SNL0091735	LWDS-04-BH03	0	13-AUG-92	6010	0.01	U	0.01	EB
Cobalt	SNL0091791	LWDS-04-BH04	0	18-AUG-92	6010	0.01	U	0.01	EB
Cobalt	SNL0091927	LWDS-04-BH04	0	19-AUG-92	6010	0.01	U	0.01	EB
Cobalt	SNL0092178	LWDS-04-BH05	0	20-AUG-92	6010	0.01	U	0.01	EB
Cobalt	SNL0092210	LWDS-MW1	0	24-AUG-92	6010	0.01	U	0.01	EB
Cobalt	SNL0092218	LWDS-MW1	0	22-AUG-92	6010	0.01	U	0.01	EB
Cobalt	SNL0092325	LWDS-MW1	0	23-AUG-92	6010	0.01	U	0.01	EB
Cobalt	SNL0092351	LWDS-MW1	0	25-AUG-92	6010	0.01	U	0.01	EB
Cobalt	SNL0092374	LWDS-52-BH06	0	05-SEP-92	6010	0.01	U	0.01	EB
Cobalt	SNL0092418	LWDS-52-BH08	0	05-SEP-92	6010	0.01	U	0.01	EB
Cobalt	SNL0092507	LWDS-52-BH07	0	07-SEP-92	6010	0.01	U	0.01	EB
Cobalt	SNL0092532	LWDS-MW2	0	07-SEP-92	6010	0.01	U	0.01	EB
Cobalt	SNL0092685	LWDS-52-BH07	0	06-SEP-92	6010	0.01	U	0.01	EB
Cobalt	SNL0092795	LWDS-MW2	0	23-SEP-92	6010	0.024		0.01	EB
Cobalt	SNL0092875	LWDS-MW2	0	08-OCT-92	6010	0.01	U	0.01	EB
Cobalt	SNL0093107	LWDS-MW1	0	28-APR-93	6010	0.01	U	0.01	EB
Cobalt	SNL0093238	LWDS-04-BH09	0	18-MAR-94	6010	0.01	U	0.01	EB
Cobalt	SNL0093276	LWDS-04-BH10	0	19-MAR-94	6010	0.0069	J	0.01	EB
Cobalt	SNL0093369	LWDS-05-BH13	0	22-MAR-94	6010	0.01	U	0.01	EB
Cobalt	SNL0093459	LWDS-05-BH12	0	21-MAR-94	6010	0.01	U	0.01	EB
Cobalt	SNL0093576	LWDS-05-BH11	0	20-MAR-94	6010	0.01	U	0.01	EB
Cobalt	SNL0093616	LWDS-52-BH16	0	24-MAR-94	6010	0.01	U	0.01	EB
Cobalt	SNL0093648	LWDS-05-BH14	0	23-MAR-94	6010	0.01	U	0.01	EB
Cobalt	SNL0093707	LWDS-52-BH15	0	23-MAR-94	6010	0.0076	J	0.01	EB
Cobalt	SNL0094026	LWDS-MW2	0	09-MAR-94	6010	0.02	U	0.02	EB
Cobalt	SNL0094283	LWDS-MW1	0	06-JUN-94	6010	0.02	U	0.02	EB
Cobalt	SNL0094304	LWDS-MW1	0	31-AUG-94	6010	0.05	U	0.05	EB
Cobalt	SNL0094415	LWDS-MW2	0	07-DEC-94	6010	0.05	U	0.05	EB
Cobalt	SNL0094621	LWDS MW-2	0	01-MAR-95	6010	0.05	U	0.05	EB
Cobalt	SNL0094750	LWDS-MW2	0	12-JUN-95	6010	0.05	U	0.05	EB
Cobalt	SNL0099067	LWDS-MW2	0	24-JUN-93	6010	0.02	U	0.02	EB
Cobalt-56	SNL0094220	LWDS-04-BH09-EB	0	18-MAR-94	GAMMA	0.0219	U	0.0219	EB
Cobalt-56	SNL0094223	LWDS-04-BH10-EB	0	19-MAR-94	GAMMA	0.02466	U	0.02466	EB
Cobalt-56	SNL0094226	LWDS-05-BH11-EB	0	20-MAR-94	GAMMA	0.0253	U	0.0253	EB
Cobalt-56	SNL0094227	LWDS-MW1	0	06-JUN-94	GAMMA	0.0186	U	0.0186	EB
Cobalt-56	SNL0094243	LWDS-MW2	0	07-DEC-94	GAMMA	0.0237	U	0.0237	EB
Cobalt-56	SNL0094247	LWDS-MW1	0	08-DEC-94	GAMMA	0.0229	U	0.0229	FB
Cobalt-57	SNL0091301	LWDS-04-BH01	0	09-AUG-92	GAMMA	16.7	<	16.7	EB
Cobalt-57	SNL0091518	LWDS-04-BH01	0	08-AUG-92	GAMMA	8.54	<	8.54	EB
Cobalt-57	SNL0091526	LWDS-04-BH02	0	10-AUG-92	GAMMA	15.3	<	15.3	EB
Cobalt-57	SNL0091574	LWDS-04-BH02	0	11-AUG-92	GAMMA	8.66	<	8.66	EB
Cobalt-57	SNL0091682	LWDS-04-BH03	0	12-AUG-92	GAMMA	18.8	<	18.8	EB
Cobalt-57	SNL0091733	LWDS-04-BH03	0	13-AUG-92	GAMMA	9.68	<	9.68	EB
Cobalt-57	SNL0091789	LWDS-04-BH04	0	18-AUG-92	GAMMA	19.2	<	19.2	EB
Cobalt-57	SNL0091925	LWDS-04-BH04	0	19-AUG-92	GAMMA	9.86	<	9.86	EB
Cobalt-57	SNL0092176	LWDS-04-BH05	0	20-AUG-92	GAMMA	13.7	<	13.7	EB
Cobalt-57	SNL0092208	LWDS-MW1	0	24-AUG-92	GAMMA	11	<	11	EB
Cobalt-57	SNL0092216	LWDS-MW1	0	22-AUG-92	GAMMA	11.4	<	11.4	EB
Cobalt-57	SNL0092323	LWDS-MW1	0	23-AUG-92	GAMMA	8.91	<	8.91	EB
Cobalt-57	SNL0092349	LWDS-MW1	0	25-AUG-92	GAMMA	8.17	<	8.17	EB
Cobalt-57	SNL0092373	LWDS-52-BH06	0	05-SEP-92	GAMMA	8.62	<	8.62	EB
Cobalt-57	SNL0092417	LWDS-52-BH08	0	05-SEP-92	GAMMA	8.49	<	8.49	EB
Cobalt-57	SNL0092506	LWDS-52-BH07	0	07-SEP-92	GAMMA	6.07	<	6.07	EB
Cobalt-57	SNL0092538	LWDS-MW2	0	07-SEP-92	GAMMA	8.54	<	8.54	EB
Cobalt-57	SNL0092684	LWDS-52-BH07	0	06-SEP-92	GAMMA	8.38	<	8.38	EB
Cobalt-57	SNL0092793	LWDS-MW2	0	23-SEP-92	GAMMA	8.25	<	8.25	EB
Cobalt-57	SNL0092873	LWDS-MW2	0	08-OCT-92	GAMMA	5.79	<	5.79	EB
Cobalt-57	SNL0094220	LWDS-04-BH09-EB	0	18-MAR-94	GAMMA	0.0103	U	0.0103	EB
Cobalt-57	SNL0094223	LWDS-04-BH10-EB	0	19-MAR-94	GAMMA	0.01204	U	0.01204	EB
Cobalt-57	SNL0094226	LWDS-05-BH11-EB	0	20-MAR-94	GAMMA	0.00981	U	0.00981	EB
Cobalt-57	SNL0094227	LWDS-MW1	0	06-JUN-94	GAMMA	0.00799	U	0.00799	EB
Cobalt-57	SNL0094243	LWDS-MW2	0	07-DEC-94	GAMMA	0.00738	U	0.00738	EB
Cobalt-57	SNL0094247	LWDS-MW1	0	08-DEC-94	GAMMA	0.00929	U	0.00929	FB
Cobalt-58	SNL0091301	LWDS-04-BH01	0	09-AUG-92	GAMMA	9.82	<	9.82	EB
Cobalt-58	SNL0091518	LWDS-04-BH01	0	08-AUG-92	GAMMA	20.7	<	20.7	EB
Cobalt-58	SNL0091526	LWDS-04-BH02	0	10-AUG-92	GAMMA	14.5	<	14.5	EB
Cobalt-58	SNL0091574	LWDS-04-BH02	0	11-AUG-92	GAMMA	16.9	<	16.9	EB

Table A-13. Trip blank and equipment blank results for ER Sites 4, 5, and 52.

Analyte	Sample Number	Sample Location	Sample Depth (Ft)	Sample Date	Analytical Method	Amount Detected (mg/L)	Qualifier	Method Detection Limit	Sample Type
Cobalt-58	SNL0091682	LWDS-04-BH03	0	12-AUG-92	GAMMA	12.7	<	12.7	EB
Cobalt-58	SNL0091733	LWDS-04-BH03	0	13-AUG-92	GAMMA	18.7	<	18.7	EB
Cobalt-58	SNL0091789	LWDS-04-BH04	0	18-AUG-92	GAMMA	9.28	<	9.28	EB
Cobalt-58	SNL0091925	LWDS-04-BH04	0	19-AUG-92	GAMMA	19.3	<	19.3	EB
Cobalt-58	SNL0092176	LWDS-04-BH05	0	20-AUG-92	GAMMA	11.5	<	11.5	EB
Cobalt-58	SNL0092208	LWDS-MW1	0	24-AUG-92	GAMMA	18.7	<	18.7	EB
Cobalt-58	SNL0092216	LWDS-MW1	0	22-AUG-92	GAMMA	14.6	<	14.6	EB
Cobalt-58	SNL0092323	LWDS-MW1	0	23-AUG-92	GAMMA	7.94	<	7.94	EB
Cobalt-58	SNL0092349	LWDS-MW1	0	25-AUG-92	GAMMA	4.28	<	4.28	EB
Cobalt-58	SNL0092373	LWDS-52-BH06	0	05-SEP-92	GAMMA	9.58	<	9.58	EB
Cobalt-58	SNL0092417	LWDS-52-BH08	0	05-SEP-92	GAMMA	4.53	<	4.53	EB
Cobalt-58	SNL0092506	LWDS-52-BH07	0	07-SEP-92	GAMMA	9.98	<	9.98	EB
Cobalt-58	SNL0092538	LWDS-MW2	0	07-SEP-92	GAMMA	10.4	<	10.4	EB
Cobalt-58	SNL0092684	LWDS-52-BH07	0	06-SEP-92	GAMMA	9.15	<	9.15	EB
Cobalt-58	SNL0092793	LWDS-MW2	0	23-SEP-92	GAMMA	7.95	<	7.95	EB
Cobalt-58	SNL0092873	LWDS-MW2	0	08-OCT-92	GAMMA	8.01	<	8.01	EB
Cobalt-58	SNL0094220	LWDS-04-BH09-EB	0	18-MAR-94	GAMMA	0.0102	U	0.0102	EB
Cobalt-58	SNL0094223	LWDS-04-BH10-EB	0	19-MAR-94	GAMMA	0.01263	U	0.01263	EB
Cobalt-58	SNL0094226	LWDS-05-BH11-EB	0	20-MAR-94	GAMMA	0.0115	U	0.0115	EB
Cobalt-58	SNL0094227	LWDS-MW1	0	06-JUN-94	GAMMA	0.00738	U	0.00738	EB
Cobalt-58	SNL0094243	LWDS-MW2	0	07-DEC-94	GAMMA	0.00926	U	0.00926	EB
Cobalt-58	SNL0094247	LWDS-MW1	0	08-DEC-94	GAMMA	0.0115	U	0.0115	FB
Cobalt-60	SNL0091301	LWDS-04-BH01	0	09-AUG-92	GAMMA	20	<	20	EB
Cobalt-60	SNL0091518	LWDS-04-BH01	0	08-AUG-92	GAMMA	22.5	<	22.5	EB
Cobalt-60	SNL0091526	LWDS-04-BH02	0	10-AUG-92	GAMMA	9.33	<	9.33	EB
Cobalt-60	SNL0091574	LWDS-04-BH02	0	11-AUG-92	GAMMA	19.7	<	19.7	EB
Cobalt-60	SNL0091682	LWDS-04-BH03	0	12-AUG-92	GAMMA	16	<	16	EB
Cobalt-60	SNL0091733	LWDS-04-BH03	0	13-AUG-92	GAMMA	12.6	<	12.6	EB
Cobalt-60	SNL0091789	LWDS-04-BH04	0	18-AUG-92	GAMMA	16.7	<	16.7	EB
Cobalt-60	SNL0091925	LWDS-04-BH04	0	19-AUG-92	GAMMA	26.5	<	26.5	EB
Cobalt-60	SNL0092176	LWDS-04-BH05	0	20-AUG-92	GAMMA	28.6	<	28.6	EB
Cobalt-60	SNL0092208	LWDS-MW1	0	24-AUG-92	GAMMA	21.8	<	21.8	EB
Cobalt-60	SNL0092216	LWDS-MW1	0	22-AUG-92	GAMMA	27.1	<	27.1	EB
Cobalt-60	SNL0092323	LWDS-MW1	0	23-AUG-92	GAMMA	11	<	11	EB
Cobalt-60	SNL0092349	LWDS-MW1	0	25-AUG-92	GAMMA	12.4	<	12.4	EB
Cobalt-60	SNL0092373	LWDS-52-BH06	0	05-SEP-92	GAMMA	4.53	<	4.53	EB
Cobalt-60	SNL0092417	LWDS-52-BH08	0	05-SEP-92	GAMMA	10.3	<	10.3	EB
Cobalt-60	SNL0092506	LWDS-52-BH07	0	07-SEP-92	GAMMA	3.95	<	3.95	EB
Cobalt-60	SNL0092538	LWDS-MW2	0	07-SEP-92	GAMMA	11.7	<	11.7	EB
Cobalt-60	SNL0092684	LWDS-52-BH07	0	06-SEP-92	GAMMA	4.97	<	4.97	EB
Cobalt-60	SNL0092793	LWDS-MW2	0	23-SEP-92	GAMMA	10.4	<	10.4	EB
Cobalt-60	SNL0092873	LWDS-MW2	0	08-OCT-92	GAMMA	9.83	<	9.83	EB
Cobalt-60	SNL0093766	LWDS-MW1	0	27-APR-93	GAMMA	28	U	28	EB
Cobalt-60	SNL0093779	LWDS-MW2	0	24-JUN-93	GAMMA	24	U	24	EB
Cobalt-60	SNL0093788	LWDS-MW1	0	03-NOV-93	GAMMA	23	U	23	EB
Cobalt-60	SNL0093841	LWDS-04-BH10	0	19-MAR-94	GAMMA	21	U	21	EB
Cobalt-60	SNL0093865	LWDS-04-BH09	0	18-MAR-94	GAMMA	25	U	25	EB
Cobalt-60	SNL0093879	LWDS-52-BH16	0	24-MAR-94	GAMMA	22	U	22	EB
Cobalt-60	SNL0093901	LWDS-05-BH13	0	22-MAR-94	GAMMA	23	U	23	EB
Cobalt-60	SNL0093939	LWDS-05-BH14	0	23-MAR-94	GAMMA	25	U	25	EB
Cobalt-60	SNL0093941	LWDS-52-BH15	0	23-MAR-94	GAMMA	27	U	27	EB
Cobalt-60	SNL0093943	LWDS-05-BH11	0	20-MAR-94	GAMMA	24	U	24	EB
Cobalt-60	SNL0093978	LWDS-05-BH12	0	21-MAR-94	GAMMA	25	U	25	EB
Cobalt-60	SNL0094220	LWDS-04-BH09-EB	0	18-MAR-94	GAMMA	0.0127	U	0.0127	EB
Cobalt-60	SNL0094223	LWDS-04-BH10-EB	0	19-MAR-94	GAMMA	0.01593	U	0.01593	EB
Cobalt-60	SNL0094226	LWDS-05-BH11-EB	0	20-MAR-94	GAMMA	0.0127	U	0.0127	EB
Cobalt-60	SNL0094227	LWDS-MW1	0	06-JUN-94	GAMMA	0.0113	U	0.0113	EB
Cobalt-60	SNL0094243	LWDS-MW2	0	07-DEC-94	GAMMA	0.0108	U	0.0108	EB
Cobalt-60	SNL0094247	LWDS-MW1	0	08-DEC-94	GAMMA	0.0128	U	0.0128	FB
Cobalt-60	SNL0094249	LWDS-MW2	0	07-DEC-94	GAMMA	24	U	24	EB
Cobalt-60	SNL0094261	LWDS-MW1	0	08-DEC-94	GAMMA	26	U	26	FB
Cobalt-60	SNL0094488	LWDS-MW2	0	12-JUN-95	901.1	12.9		12.9	EB
Cobalt-60	SNL0094502	LWDS MW-1	0	02-MAR-95	GAMMA	23	U	23	FB
Cobalt-60	SNL0094505	LWDS MW-2	0	01-MAR-95	GAMMA	21	U	21	EB
Copper	SNL0091302	LWDS-04-BH01	0	09-AUG-92	6010	0.02	U	0.02	EB
Copper	SNL0091519	LWDS-04-BH01	0	08-AUG-92	6010	0.02	U	0.02	EB
Copper	SNL0091528	LWDS-04-BH02	0	10-AUG-92	6010	0.02	U	0.02	EB
Copper	SNL0091576	LWDS-04-BH02	0	11-AUG-92	6010	0.02	U	0.02	EB

Table A-13. Trip blank and equipment blank results for ER Sites 4, 5, and 52.

Analyte	Sample Number	Sample Location	Sample Depth (Ft)	Sample Date	Analytical Method	Amount Detected (mg/L)	Qualifier	Method Detection Limit	Sample Type
Copper	SNL0091684	LWDS-04-BH03	0	12-AUG-92	6010	0.02	U	0.02	EB
Copper	SNL0091735	LWDS-04-BH03	0	13-AUG-92	6010	0.02	U	0.02	EB
Copper	SNL0091791	LWDS-04-BH04	0	18-AUG-92	6010	0.02	U	0.02	EB
Copper	SNL0091927	LWDS-04-BH04	0	19-AUG-92	6010	0.02	U	0.02	EB
Copper	SNL0092178	LWDS-04-BH05	0	20-AUG-92	6010	0.02	U	0.02	EB
Copper	SNL0092210	LWDS-MW1	0	24-AUG-92	6010	0.02	U	0.02	EB
Copper	SNL0092218	LWDS-MW1	0	22-AUG-92	6010	0.02	U	0.02	EB
Copper	SNL0092325	LWDS-MW1	0	23-AUG-92	6010	0.02	U	0.02	EB
Copper	SNL0092351	LWDS-MW1	0	25-AUG-92	6010	0.02	U	0.02	EB
Copper	SNL0092374	LWDS-52-BH06	0	05-SEP-92	6010	0.02	U	0.02	EB
Copper	SNL0092418	LWDS-52-BH08	0	05-SEP-92	6010	0.02	U	0.02	EB
Copper	SNL0092507	LWDS-52-BH07	0	07-SEP-92	6010	0.02	U	0.02	EB
Copper	SNL0092532	LWDS-MW2	0	07-SEP-92	6010	0.02	U	0.02	EB
Copper	SNL0092685	LWDS-52-BH07	0	06-SEP-92	6010	0.02	U	0.02	EB
Copper	SNL0092795	LWDS-MW2	0	23-SEP-92	6010	0.037		0.02	EB
Copper	SNL0092875	LWDS-MW2	0	08-OCT-92	6010	0.02	U	0.02	EB
Copper	SNL0093107	LWDS-MW1	0	28-APR-93	6010	0.0081	J	0.02	EB
Copper	SNL0093238	LWDS-04-BH09	0	18-MAR-94	6010	0.0053	J	0.02	EB
Copper	SNL0093276	LWDS-04-BH10	0	19-MAR-94	6010	0.0064	J	0.02	EB
Copper	SNL0093369	LWDS-05-BH13	0	22-MAR-94	6010	0.02	U	0.02	EB
Copper	SNL0093459	LWDS-05-BH12	0	21-MAR-94	6010	0.02	U	0.02	EB
Copper	SNL0093576	LWDS-05-BH11	0	20-MAR-94	6010	0.02	U	0.02	EB
Copper	SNL0093616	LWDS-52-BH16	0	24-MAR-94	6010	0.02	U	0.02	EB
Copper	SNL0093648	LWDS-05-BH14	0	23-MAR-94	6010	0.02	U	0.02	EB
Copper	SNL0093707	LWDS-52-BH15	0	23-MAR-94	6010	0.02	U	0.02	EB
Copper	SNL0094026	LWDS-MW2	0	09-MAR-94	6010	0.02	U	0.02	EB
Copper	SNL0094283	LWDS-MW1	0	06-JUN-94	6010	0.02	U	0.02	EB
Copper	SNL0094304	LWDS-MW1	0	31-AUG-94	6010	0.025	U	0.025	EB
Copper	SNL0094415	LWDS-MW2	0	07-DEC-94	6010	0.02	U	0.02	EB
Copper	SNL0094621	LWDS MW-2	0	01-MAR-95	6010	0.02	U	0.02	EB
Copper	SNL0094750	LWDS-MW2	0	12-JUN-95	6010	0.02	U	0.02	EB
Copper	SNL0099067	LWDS-MW2	0	24-JUN-93	6010	0.02	U	0.02	EB
Copper-64	SNL0094220	LWDS-04-BH09-EB	0	18-MAR-94	GAMMA	5.93	U	5.93	EB
Copper-64	SNL0094223	LWDS-04-BH10-EB	0	19-MAR-94	GAMMA	282.87	U	282.87	EB
Copper-64	SNL0094226	LWDS-05-BH11-EB	0	20-MAR-94	GAMMA	14.8	U	14.8	EB
Copper-64	SNL0094227	LWDS-MW1	0	06-JUN-94	GAMMA	104	U	104	EB
Copper-64	SNL0094243	LWDS-MW2	0	07-DEC-94	GAMMA	15.5	U	15.5	EB
Cresol, o-	SNL0094620	LWDS MW-2	0	01-MAR-95	8270	0.01	U	0.01	EB
Cresol, o-	SNL0094749	LWDS-MW2	0	12-JUN-95	8270	0.01	U	0.01	EB
Curium-243	SNL0094220	LWDS-04-BH09-EB	0	18-MAR-94	GAMMA	0.0412	U	0.0412	EB
Curium-243	SNL0094223	LWDS-04-BH10-EB	0	19-MAR-94	GAMMA	0.04125	U	0.04125	EB
Curium-243	SNL0094226	LWDS-05-BH11-EB	0	20-MAR-94	GAMMA	0.0382	U	0.0382	EB
Di-n-butyl phthalate	SNL0090028	LWDS-04-BH01	0	08-AUG-92	8270	10	U	10	EB
Di-n-butyl phthalate	SNL0090031	LWDS-04-BH01	0	09-AUG-92	8270	10	U	10	EB
Di-n-butyl phthalate	SNL0090054	LWDS-04-BH02	0	10-AUG-92	8270	10	U	10	EB
Di-n-butyl phthalate	SNL0090596	LWDS-04-BH02	0	11-AUG-92	8270	10	U	10	EB
Di-n-butyl phthalate	SNL0090623	LWDS-04-BH03	0	12-AUG-92	8270	10	U	10	EB
Di-n-butyl phthalate	SNL0091158	LWDS-04-BH03	0	13-AUG-92	8270	10	U	10	EB
Di-n-butyl phthalate	SNL0091172	LWDS-04-BH04	0	18-AUG-92	8270	10	U	10	EB
Di-n-butyl phthalate	SNL0091173	LWDS-04-BH04	0	18-AUG-92	8270	11	U	11	EB
Di-n-butyl phthalate	SNL0091192	LWDS-04-BH04	0	19-AUG-92	8270	10	U	10	EB
Di-n-butyl phthalate	SNL0091255	LWDS-04-BH05	0	20-AUG-92	8270	10	U	10	EB
Di-n-butyl phthalate	SNL0091273	LWDS-MW1	0	23-AUG-92	8270	10	U	10	EB
Di-n-butyl phthalate	SNL0091275	LWDS-MW1	0	22-AUG-92	8270	10	U	10	EB
Di-n-butyl phthalate	SNL0091292	LWDS-MW1	0	24-AUG-92	8270	10	U	10	EB
Di-n-butyl phthalate	SNL0091299	LWDS-MW1	0	25-AUG-92	8270	10	U	10	EB
Di-n-butyl phthalate	SNL0091934	LWDS-52-BH06	0	05-SEP-92	8270	10	U	10	EB
Di-n-butyl phthalate	SNL0091945	LWDS-52-BH08	0	05-SEP-92	8270	10	U	10	EB
Di-n-butyl phthalate	SNL0092792	LWDS-MW2	0	23-SEP-92	8270	10	U	10	EB
Di-n-butyl phthalate	SNL0092872	LWDS-MW2	0	08-OCT-92	8270	10	U	10	EB
Di-n-butyl phthalate	SNL0093106	LWDS-MW1	0	28-APR-93	8270	10	U	10	EB
Di-n-butyl phthalate	SNL0093237	LWDS-04-BH09	0	18-MAR-94	8270	10	U	10	EB
Di-n-butyl phthalate	SNL0093275	LWDS-04-BH10	0	19-MAR-94	8270	10	U	10	EB
Di-n-butyl phthalate	SNL0093368	LWDS-05-BH13	0	22-MAR-94	8270	10	U	10	EB
Di-n-butyl phthalate	SNL0093458	LWDS-05-BH12	0	21-MAR-94	8270	10	U	10	EB
Di-n-butyl phthalate	SNL0093575	LWDS-05-BH11	0	20-MAR-94	8270	10	U	10	EB
Di-n-butyl phthalate	SNL0093615	LWDS-52-BH16	0	24-MAR-94	8270	10	U	10	EB
Di-n-butyl phthalate	SNL0093647	LWDS-05-BH14	0	23-MAR-94	8270	10	U	10	EB

Table A-13. Trip blank and equipment blank results for ER Sites 4, 5, and 52.

Analyte	Sample Number	Sample Location	Sample Depth (Ft)	Sample Date	Analytical Method	Amount Detected (mg/L)	Qualifier	Method Detection Limit	Sample Type
Di-n-butyl phthalate	SNL0093706	LWDS-52-BH15	0	23-MAR-94	8270	10	U	10	EB
Di-n-butyl phthalate	SNL0094017	LWDS-MW2	0	11-MAR-94	8270	0.01	U	0.01	EB
Di-n-butyl phthalate	SNL0094282	LWDS-MW1	0	06-JUN-94	8270	0.01	U	0.01	EB
Di-n-butyl phthalate	SNL0094303	LWDS-MW1	0	31-AUG-94	8270	0.01	U	0.01	EB
Di-n-butyl phthalate	SNL0094414	LWDS-MW2	0	07-DEC-94	8270	0.001	BJ	0.01	EB
Di-n-butyl phthalate	SNL0094620	LWDS MW-2	0	01-MAR-95	8270	0.01	U	0.01	EB
Di-n-butyl phthalate	SNL0094749	LWDS-MW2	0	12-JUN-95	8270	0.01	U	0.01	EB
Di-n-butyl phthalate	SNL0099100	LWDS-MW2	0	24-JUN-93	8270	0.01	U	0.01	EB
Di-n-octyl phthalate	SNL0090028	LWDS-04-BH01	0	08-AUG-92	8270	10	U	10	EB
Di-n-octyl phthalate	SNL0090031	LWDS-04-BH01	0	09-AUG-92	8270	10	U	10	EB
Di-n-octyl phthalate	SNL0090054	LWDS-04-BH02	0	10-AUG-92	8270	10	U	10	EB
Di-n-octyl phthalate	SNL0090596	LWDS-04-BH02	0	11-AUG-92	8270	10	U	10	EB
Di-n-octyl phthalate	SNL0090623	LWDS-04-BH03	0	12-AUG-92	8270	10	U	10	EB
Di-n-octyl phthalate	SNL0091158	LWDS-04-BH03	0	13-AUG-92	8270	10	U	10	EB
Di-n-octyl phthalate	SNL0091172	LWDS-04-BH04	0	18-AUG-92	8270	10	U	10	EB
Di-n-octyl phthalate	SNL0091173	LWDS-04-BH04	0	18-AUG-92	8270	11	U	11	EB
Di-n-octyl phthalate	SNL0091192	LWDS-04-BH04	0	19-AUG-92	8270	10	U	10	EB
Di-n-octyl phthalate	SNL0091255	LWDS-04-BH05	0	20-AUG-92	8270	10	U	10	EB
Di-n-octyl phthalate	SNL0091273	LWDS-MW1	0	23-AUG-92	8270	10	U	10	EB
Di-n-octyl phthalate	SNL0091275	LWDS-MW1	0	22-AUG-92	8270	10	U	10	EB
Di-n-octyl phthalate	SNL0091292	LWDS-MW1	0	24-AUG-92	8270	10	U	10	EB
Di-n-octyl phthalate	SNL0091299	LWDS-MW1	0	25-AUG-92	8270	10	U	10	EB
Di-n-octyl phthalate	SNL0091934	LWDS-52-BH06	0	05-SEP-92	8270	10	U	10	EB
Di-n-octyl phthalate	SNL0091945	LWDS-52-BH08	0	05-SEP-92	8270	10	U	10	EB
Di-n-octyl phthalate	SNL0092792	LWDS-MW2	0	23-SEP-92	8270	10	U	10	EB
Di-n-octyl phthalate	SNL0092872	LWDS-MW2	0	08-OCT-92	8270	10	U	10	EB
Di-n-octyl phthalate	SNL0093106	LWDS-MW1	0	28-APR-93	8270	10	U	10	EB
Di-n-octyl phthalate	SNL0093237	LWDS-04-BH09	0	18-MAR-94	8270	10	U	10	EB
Di-n-octyl phthalate	SNL0093275	LWDS-04-BH10	0	19-MAR-94	8270	10	U	10	EB
Di-n-octyl phthalate	SNL0093368	LWDS-05-BH13	0	22-MAR-94	8270	10	U	10	EB
Di-n-octyl phthalate	SNL0093458	LWDS-05-BH12	0	21-MAR-94	8270	10	U	10	EB
Di-n-octyl phthalate	SNL0093575	LWDS-05-BH11	0	20-MAR-94	8270	10	U	10	EB
Di-n-octyl phthalate	SNL0093615	LWDS-52-BH16	0	24-MAR-94	8270	10	U	10	EB
Di-n-octyl phthalate	SNL0093647	LWDS-05-BH14	0	23-MAR-94	8270	10	U	10	EB
Di-n-octyl phthalate	SNL0093706	LWDS-52-BH15	0	23-MAR-94	8270	10	U	10	EB
Di-n-octyl phthalate	SNL0094017	LWDS-MW2	0	11-MAR-94	8270	0.01	U	0.01	EB
Di-n-octyl phthalate	SNL0094282	LWDS-MW1	0	06-JUN-94	8270	0.01	U	0.01	EB
Di-n-octyl phthalate	SNL0094303	LWDS-MW1	0	31-AUG-94	8270	0.01	U	0.01	EB
Di-n-octyl phthalate	SNL0094414	LWDS-MW2	0	07-DEC-94	8270	0.01	U	0.01	EB
Di-n-octyl phthalate	SNL0094620	LWDS MW-2	0	01-MAR-95	8270	0.01	U	0.01	EB
Di-n-octyl phthalate	SNL0094749	LWDS-MW2	0	12-JUN-95	8270	0.01	U	0.01	EB
Di-n-octyl phthalate	SNL0099100	LWDS-MW2	0	24-JUN-93	8270	0.01	U	0.01	EB
Dibenz[a,h]anthracene	SNL0090028	LWDS-04-BH01	0	08-AUG-92	8270	10	U	10	EB
Dibenz[a,h]anthracene	SNL0090031	LWDS-04-BH01	0	09-AUG-92	8270	10	U	10	EB
Dibenz[a,h]anthracene	SNL0090054	LWDS-04-BH02	0	10-AUG-92	8270	10	U	10	EB
Dibenz[a,h]anthracene	SNL0090596	LWDS-04-BH02	0	11-AUG-92	8270	10	U	10	EB
Dibenz[a,h]anthracene	SNL0090623	LWDS-04-BH03	0	12-AUG-92	8270	10	U	10	EB
Dibenz[a,h]anthracene	SNL0091158	LWDS-04-BH03	0	13-AUG-92	8270	10	U	10	EB
Dibenz[a,h]anthracene	SNL0091172	LWDS-04-BH04	0	18-AUG-92	8270	10	U	10	EB
Dibenz[a,h]anthracene	SNL0091173	LWDS-04-BH04	0	18-AUG-92	8270	11	U	11	EB
Dibenz[a,h]anthracene	SNL0091192	LWDS-04-BH04	0	19-AUG-92	8270	10	U	10	EB
Dibenz[a,h]anthracene	SNL0091255	LWDS-04-BH05	0	20-AUG-92	8270	10	U	10	EB
Dibenz[a,h]anthracene	SNL0091273	LWDS-MW1	0	23-AUG-92	8270	10	U	10	EB
Dibenz[a,h]anthracene	SNL0091275	LWDS-MW1	0	22-AUG-92	8270	10	U	10	EB
Dibenz[a,h]anthracene	SNL0091292	LWDS-MW1	0	24-AUG-92	8270	10	U	10	EB
Dibenz[a,h]anthracene	SNL0091299	LWDS-MW1	0	25-AUG-92	8270	10	U	10	EB
Dibenz[a,h]anthracene	SNL0091934	LWDS-52-BH06	0	05-SEP-92	8270	10	U	10	EB
Dibenz[a,h]anthracene	SNL0091945	LWDS-52-BH08	0	05-SEP-92	8270	10	U	10	EB
Dibenz[a,h]anthracene	SNL0092792	LWDS-MW2	0	23-SEP-92	8270	10	U	10	EB
Dibenz[a,h]anthracene	SNL0092872	LWDS-MW2	0	08-OCT-92	8270	10	U	10	EB
Dibenz[a,h]anthracene	SNL0093106	LWDS-MW1	0	28-APR-93	8270	10	U	10	EB
Dibenz[a,h]anthracene	SNL0093237	LWDS-04-BH09	0	18-MAR-94	8270	10	U	10	EB
Dibenz[a,h]anthracene	SNL0093275	LWDS-04-BH10	0	19-MAR-94	8270	10	U	10	EB
Dibenz[a,h]anthracene	SNL0093368	LWDS-05-BH13	0	22-MAR-94	8270	10	U	10	EB
Dibenz[a,h]anthracene	SNL0093458	LWDS-05-BH12	0	21-MAR-94	8270	10	U	10	EB
Dibenz[a,h]anthracene	SNL0093575	LWDS-05-BH11	0	20-MAR-94	8270	10	U	10	EB
Dibenz[a,h]anthracene	SNL0093615	LWDS-52-BH16	0	24-MAR-94	8270	10	U	10	EB
Dibenz[a,h]anthracene	SNL0093647	LWDS-05-BH14	0	23-MAR-94	8270	10	U	10	EB

Table A-13. Trip blank and equipment blank results for ER Sites 4, 5, and 52.

Analyte	Sample Number	Sample Location	Sample Depth (Ft)	Sample Date	Analytical Method	Amount Detected (mg/L)	Qualifier	Method Detection Limit	Sample Type
Dibenz[a,h]anthracene	SNL0093706	LWDS-52-BH15	0	23-MAR-94	8270	10	U	10	EB
Dibenz[a,h]anthracene	SNL0094017	LWDS-MW2	0	11-MAR-94	8270	0.01	U	0.01	EB
Dibenz[a,h]anthracene	SNL0094282	LWDS-MW1	0	06-JUN-94	8270	0.01	U	0.01	EB
Dibenz[a,h]anthracene	SNL0094303	LWDS-MW1	0	31-AUG-94	8270	0.01	U	0.01	EB
Dibenz[a,h]anthracene	SNL0094414	LWDS-MW2	0	07-DEC-94	8270	0.01	U	0.01	EB
Dibenz[a,h]anthracene	SNL0094620	LWDS MW-2	0	01-MAR-95	8270	0.01	U	0.01	EB
Dibenz[a,h]anthracene	SNL0094749	LWDS-MW2	0	12-JUN-95	8270	0.01	U	0.01	EB
Dibenz[a,h]anthracene	SNL0099100	LWDS-MW2	0	24-JUN-93	8270	0.01	U	0.01	EB
Dibenzofuran	SNL0090028	LWDS-04-BH01	0	08-AUG-92	8270	10	U	10	EB
Dibenzofuran	SNL0090031	LWDS-04-BH01	0	09-AUG-92	8270	10	U	10	EB
Dibenzofuran	SNL0090054	LWDS-04-BH02	0	10-AUG-92	8270	10	U	10	EB
Dibenzofuran	SNL0090596	LWDS-04-BH02	0	11-AUG-92	8270	10	U	10	EB
Dibenzofuran	SNL0090623	LWDS-04-BH03	0	12-AUG-92	8270	10	U	10	EB
Dibenzofuran	SNL0091158	LWDS-04-BH03	0	13-AUG-92	8270	10	U	10	EB
Dibenzofuran	SNL0091172	LWDS-04-BH04	0	18-AUG-92	8270	10	U	10	EB
Dibenzofuran	SNL0091173	LWDS-04-BH04	0	18-AUG-92	8270	11	U	11	EB
Dibenzofuran	SNL0091192	LWDS-04-BH04	0	19-AUG-92	8270	10	U	10	EB
Dibenzofuran	SNL0091255	LWDS-04-BH05	0	20-AUG-92	8270	10	U	10	EB
Dibenzofuran	SNL0091273	LWDS-MW1	0	23-AUG-92	8270	10	U	10	EB
Dibenzofuran	SNL0091275	LWDS-MW1	0	22-AUG-92	8270	10	U	10	EB
Dibenzofuran	SNL0091292	LWDS-MW1	0	24-AUG-92	8270	10	U	10	EB
Dibenzofuran	SNL0091299	LWDS-MW1	0	25-AUG-92	8270	10	U	10	EB
Dibenzofuran	SNL0091934	LWDS-52-BH06	0	05-SEP-92	8270	10	U	10	EB
Dibenzofuran	SNL0091945	LWDS-52-BH08	0	05-SEP-92	8270	10	U	10	EB
Dibenzofuran	SNL0092792	LWDS-MW2	0	23-SEP-92	8270	10	U	10	EB
Dibenzofuran	SNL0092872	LWDS-MW2	0	08-OCT-92	8270	10	U	10	EB
Dibenzofuran	SNL0093106	LWDS-MW1	0	28-APR-93	8270	10	U	10	EB
Dibenzofuran	SNL0093237	LWDS-04-BH09	0	18-MAR-94	8270	10	U	10	EB
Dibenzofuran	SNL0093275	LWDS-04-BH10	0	19-MAR-94	8270	10	U	10	EB
Dibenzofuran	SNL0093368	LWDS-05-BH13	0	22-MAR-94	8270	10	U	10	EB
Dibenzofuran	SNL0093458	LWDS-05-BH12	0	21-MAR-94	8270	10	U	10	EB
Dibenzofuran	SNL0093575	LWDS-05-BH11	0	20-MAR-94	8270	10	U	10	EB
Dibenzofuran	SNL0093615	LWDS-52-BH16	0	24-MAR-94	8270	10	U	10	EB
Dibenzofuran	SNL0093647	LWDS-05-BH14	0	23-MAR-94	8270	10	U	10	EB
Dibenzofuran	SNL0093706	LWDS-52-BH15	0	23-MAR-94	8270	10	U	10	EB
Dibenzofuran	SNL0094282	LWDS-MW1	0	06-JUN-94	8270	0.01	U	0.01	EB
Dibenzofuran	SNL0094303	LWDS-MW1	0	31-AUG-94	8270	0.01	U	0.01	EB
Dibenzofuran	SNL0094414	LWDS-MW2	0	07-DEC-94	8270	0.01	U	0.01	EB
Dibenzofuran	SNL0094620	LWDS MW-2	0	01-MAR-95	8270	0.01	U	0.01	EB
Dibenzofuran	SNL0094749	LWDS-MW2	0	12-JUN-95	8270	0.01	U	0.01	EB
Dibenzofuran	SNL0099100	LWDS-MW2	0	24-JUN-93	8270	0.01	U	0.01	EB
Dibromochloromethane	SNL0090027	LWDS-04-BH01	0	08-AUG-92	8240	5	U	5	EB
Dibromochloromethane	SNL0090029	LWDS-04-BH01	0	08-AUG-92	8240	5	U	5	TB
Dibromochloromethane	SNL0090030	LWDS-04-BH01	0	09-AUG-92	8240	5	U	5	EB
Dibromochloromethane	SNL0090032	LWDS-04-BH01	0	09-AUG-92	8240	5	U	5	TB
Dibromochloromethane	SNL0090053	LWDS-04-BH02	0	10-AUG-92	8240	5	U	5	EB
Dibromochloromethane	SNL0090055	LWDS-04-BH02	0	10-AUG-92	8240	5	U	5	TB
Dibromochloromethane	SNL0090162	LWDS-SS	0	16-JUL-92	8240	5	U	5	TB
Dibromochloromethane	SNL0090163	LWDS-SS	0	16-JUL-92	8240	5	U	5	TB
Dibromochloromethane	SNL0090416	LWDS-SS	0	16-JUL-92	8240	5	U	5	TB
Dibromochloromethane	SNL0090595	LWDS-04-BH02	0	11-AUG-92	8240	5	U	5	EB
Dibromochloromethane	SNL0090597	LWDS-04-BH02	0	11-AUG-92	8240	5	U	5	TB
Dibromochloromethane	SNL0090622	LWDS-04-BH03	0	12-AUG-92	8240	5	U	5	EB
Dibromochloromethane	SNL0090624	LWDS-04-BH03	0	12-AUG-92	8240	5	U	5	TB
Dibromochloromethane	SNL0090737	LWDS-SS	0	17-JUL-92	8240	5	U	5	TB
Dibromochloromethane	SNL0090934	LWDS-SS	0	17-JUL-92	8240	5	U	5	TB
Dibromochloromethane	SNL0091118	LWDS-SS	0	20-JUL-92	8240	5	U	5	TB
Dibromochloromethane	SNL0091157	LWDS-04-BH03	0	13-AUG-92	8240	5	U	5	EB
Dibromochloromethane	SNL0091171	LWDS-04-BH04	0	18-AUG-92	8240	5	U	5	EB
Dibromochloromethane	SNL0091174	LWDS-04-BH04	0	18-AUG-92	8240	5	U	5	TB
Dibromochloromethane	SNL0091191	LWDS-04-BH04	0	19-AUG-92	8240	5	U	5	EB
Dibromochloromethane	SNL0091193	LWDS-04-BH04	0	19-AUG-92	8240	5	U	5	TB
Dibromochloromethane	SNL0091242	LWDS-04-BH05	0	20-AUG-92	8240	5	U	5	TB
Dibromochloromethane	SNL0091256	LWDS-04-BH05	0	20-AUG-92	8240	5	U	5	EB
Dibromochloromethane	SNL0091257	LWDS-04-BH05	0	20-AUG-92	8240	5	U	5	TB
Dibromochloromethane	SNL0091272	LWDS-MW1	0	23-AUG-92	8240	5	U	5	EB
Dibromochloromethane	SNL0091274	LWDS-MW1	0	22-AUG-92	8240	5	U	5	EB
Dibromochloromethane	SNL0091276	LWDS-MW1	0	22-AUG-92	8240	5	U	5	TB

Table A-13. Trip blank and equipment blank results for ER Sites 4, 5, and 52.

Analyte	Sample Number	Sample Location	Sample Depth (Ft)	Sample Date	Analytical Method	Amount Detected (mg/L)	Qualifier	Method Detection Limit	Sample Type
Dibromochloromethane	SNL0091291	LWDS-MW1	0	24-AUG-92	8240	5	U	5	EB
Dibromochloromethane	SNL0091293	LWDS-MW1	0	24-AUG-92	8240	5	U	5	TB
Dibromochloromethane	SNL0091298	LWDS-MW1	0	25-AUG-92	8240	5	U	5	EB
Dibromochloromethane	SNL0091300	LWDS-MW1	0	25-AUG-92	8240	5	U	5	TB
Dibromochloromethane	SNL0091933	LWDS-52-BH06	0	05-SEP-92	8240	5	U	5	EB
Dibromochloromethane	SNL0091935	LWDS-52-BH06	0	05-SEP-92	8240	5	U	5	TB
Dibromochloromethane	SNL0091944	LWDS-52-BH08	0	05-SEP-92	8240	5	U	5	EB
Dibromochloromethane	SNL0092723	LWDS-MW2	0	18-SEP-92	8240	5	U	5	TB
Dibromochloromethane	SNL0092746	LWDS-MW2	0	21-SEP-92	8240	5	U	5	TB
Dibromochloromethane	SNL0092791	LWDS-MW2	0	23-SEP-92	8240	5	U	5	EB
Dibromochloromethane	SNL0092801	LWDS-MW2	0	23-SEP-92	8240	5	U	5	TB
Dibromochloromethane	SNL0092835	LWDS-MW2	0	24-SEP-92	8240	5	U	5	TB
Dibromochloromethane	SNL0092847	LWDS-MW2	0	01-OCT-92	8240	5	U	5	TB
Dibromochloromethane	SNL0092859	LWDS-MW2	0	02-OCT-92	8240	5	U	5	TB
Dibromochloromethane	SNL0092871	LWDS-MW2	0	08-OCT-92	8240	5	U	5	EB
Dibromochloromethane	SNL0092881	LWDS-MW2	0	08-OCT-92	8240	5	U	5	TB
Dibromochloromethane	SNL0092948	LWDS-MW2	0	17-OCT-92	8240	5	U	5	TB
Dibromochloromethane	SNL0092970	LWDS-MW2	0	21-OCT-92	8240	5	U	5	TB
Dibromochloromethane	SNL0092989	LWDS-MW1	0	06-APR-93	8240	5	U	5	TB
Dibromochloromethane	SNL0093002	LWDS-MW1	0	08-APR-93	8240	5	U	5	TB
Dibromochloromethane	SNL0093003	LWDS-MW1	0	13-APR-93	8240	5	U	5	TB
Dibromochloromethane	SNL0093013	LWDS-MW1	0	14-APR-93	8240	5	U	5	TB
Dibromochloromethane	SNL0093035	LWDS-MW1	0	15-APR-93	8240	5	U	5	TB
Dibromochloromethane	SNL0093045	LWDS-MW1	0	17-APR-93	8240	5	U	5	TB
Dibromochloromethane	SNL0093082	LWDS-MW1	0	21-APR-93	8240	5	U	5	TB
Dibromochloromethane	SNL0093092	LWDS-MW1	0	27-APR-93	8240	5	U	5	TB
Dibromochloromethane	SNL0093105	LWDS-MW1	0	28-APR-93	8240	5	U	5	EB
Dibromochloromethane	SNL0093114	LWDS-MW1	0	28-APR-93	8240	5	U	5	TB
Dibromochloromethane	SNL0093124	LWDS-MW1	0	30-APR-93	8240	5	U	5	TB
Dibromochloromethane	SNL0093135	LWDS-MW1	0	03-MAY-93	8240	5	U	5	TB
Dibromochloromethane	SNL0093236	LWDS-04-BH09	0	18-MAR-94	8240	5	U	5	EB
Dibromochloromethane	SNL0093244	LWDS-04-BH09	0	18-MAR-94	8240	5	U	5	TB
Dibromochloromethane	SNL0093245	LWDS-04-BH09	0	18-MAR-94	8240	5	U	5	TB
Dibromochloromethane	SNL0093274	LWDS-04-BH10	0	19-MAR-94	8240	5	U	5	EB
Dibromochloromethane	SNL0093285	LWDS-04-BH10	0	19-MAR-94	8240	5	U	5	TB
Dibromochloromethane	SNL0093286	LWDS-04-BH10	0	19-MAR-94	8240	5	U	5	TB
Dibromochloromethane	SNL0093367	LWDS-05-BH13	0	22-MAR-94	8240	5	U	5	EB
Dibromochloromethane	SNL0093375	LWDS-05-BH13	0	22-MAR-94	8240	5	U	5	TB
Dibromochloromethane	SNL0093376	LWDS-05-BH13	0	22-MAR-94	8240	5	U	5	TB
Dibromochloromethane	SNL0093457	LWDS-05-BH12	0	21-MAR-94	8240	5	U	5	EB
Dibromochloromethane	SNL0093465	LWDS-05-BH12	0	21-MAR-94	8240	5	U	5	TB
Dibromochloromethane	SNL0093466	LWDS-05-BH12	0	21-MAR-94	8240	5	U	5	TB
Dibromochloromethane	SNL0093572	LWDS-05-BH11	0	20-MAR-94	8240	5	U	5	TB
Dibromochloromethane	SNL0093573	LWDS-05-BH11	0	20-MAR-94	8240	5	U	5	TB
Dibromochloromethane	SNL0093574	LWDS-05-BH11	0	20-MAR-94	8240	5	U	5	EB
Dibromochloromethane	SNL0093614	LWDS-52-BH16	0	24-MAR-94	8240	5	U	5	EB
Dibromochloromethane	SNL0093622	LWDS-52-BH16	0	24-MAR-94	8240	5	U	5	TB
Dibromochloromethane	SNL0093646	LWDS-05-BH14	0	23-MAR-94	8240	5	U	5	EB
Dibromochloromethane	SNL0093654	LWDS-05-BH14	0	23-MAR-94	8240	5	U	5	TB
Dibromochloromethane	SNL0093655	LWDS-05-BH14	0	23-MAR-94	8240	5	U	5	TB
Dibromochloromethane	SNL0093705	LWDS-52-BH15	0	23-MAR-94	8240	5	U	5	EB
Dibromochloromethane	SNL0094080	LWDS-MW1	0	10-MAR-94	8240	0.005	U	0.005	TB
Dibromochloromethane	SNL0094280	LWDS-MW1	0	31-MAY-94	8260	0.001	U	0.001	TB
Dibromochloromethane	SNL0094281	LWDS-MW1	0	06-JUN-94	8260	0.001	U	0.001	EB
Dibromochloromethane	SNL0094298	LWDS-MW1	0	31-MAY-94	8260	0.001	U	0.001	TB
Dibromochloromethane	SNL0094302	LWDS-MW1	0	31-AUG-94	8260	0.001	U	0.001	EB
Dibromochloromethane	SNL0094317	LWDS-MW1	0	24-AUG-94	8260	0.001	U	0.001	TB
Dibromochloromethane	SNL0094348	LWDS-MW1	0	24-AUG-94	8260	0.005	U	0.005	TB
Dibromochloromethane	SNL0094376	LWDS-MW1	0	07-OCT-94	8010	0.001	U	0.001	EB
Dibromochloromethane	SNL0094377	LWDS-MW1	0	07-OCT-94	8010	0.001	U	0.001	EB
Dibromochloromethane	SNL0094378	LWDS-MW1	0	07-OCT-94	8010	0.001	U	0.001	EB
Dibromochloromethane	SNL0094379	LWDS-MW1	0	07-OCT-94	8010	0.001	U	0.001	TB
Dibromochloromethane	SNL0094386	LWDS-MW1	0	30-NOV-94	8010	0.001	U	0.001	TB
Dibromochloromethane	SNL0094411	LWDS-MW2	0	06-JUN-94	8260	0.001	U	0.001	TB
Dibromochloromethane	SNL0094412	LWDS-MW2	0	30-NOV-94	8010	0.001	U	0.001	TB
Dibromochloromethane	SNL0094413	LWDS-MW2	0	07-DEC-94	8010	0.001	U	0.001	EB
Dibromochloromethane	SNL0094465	LWDS-MW1	0	18-MAR-96	8010	1	U	1	TB
Dibromochloromethane	SNL0094521	LWDS-MW2	0	21-SEP-95	8260	1	U	1	TB

Table A-13. Trip blank and equipment blank results for ER Sites 4, 5, and 52.

Analyte	Sample Number	Sample Location	Sample Depth (Ft)	Sample Date	Analytical Method	Amount Detected (mg/L)	Qualifier	Method Detection Limit	Sample Type
Dibromochloromethane	SNL0094530	LWDS-MW1	0	25-SEP-95	8260	1	U	1	TB
Dibromochloromethane	SNL0094531	LWDS-MW1	0	25-SEP-95	8260	1	U	1	FB
Dibromochloromethane	SNL0094543	LWDS-MW2	0	14-DEC-95	8260	1	U	1	TB
Dibromochloromethane	SNL0094618	LWDS MW-2	0	27-FEB-95	8240	0.005	U	0.005	TB
Dibromochloromethane	SNL0094619	LWDS MW-2	0	01-MAR-95	8240	0.005	U	0.005	EB
Dibromochloromethane	SNL0094667	LWDS MW-1	0	02-MAR-95	8240	0.005	U	0.005	TB
Dibromochloromethane	SNL0094705	LWDS-MW2	0	12-JUN-95	8010	0.001	U	0.001	TB
Dibromochloromethane	SNL0094748	LWDS-MW2	0	12-JUN-95	8010	0.001	U	0.001	EB
Dibromochloromethane	SNL0094760	LWDS-MW1	0	14-JUN-95	8010	0.001	U	0.001	TB
Dibromochloromethane	SNL0099096	LWDS-MW2	0	24-JUN-93	8240	0.005	U	0.005	EB
Dibromochloromethane	SNL0099097	LWDS-MW2	0	24-JUN-93	8240	0.005	U	0.005	TB
Dibromochloromethane	SNL0099118	LWDS-MW1-DRUM	0	27-DEC-93	624	0.005	U	0.005	TB
Dibromochloromethane	031518-001	LWDS-MW1-TB		12-MAR-96	PA-SW846-80	0.07	U	0.07	TB
Dibromoethane, 1,2-	SNL0094465	LWDS-MW1	0	18-MAR-96	8010	2	U	2	TB
Dibromoethane, 1,2-	031518-001	LWDS-MW1-TB		12-MAR-96	PA-SW846-80	0.48	U	0.48	TB
Dichlorobenzene, 1,2-	SNL0090028	LWDS-04-BH01	0	08-AUG-92	8270	10	U	10	EB
Dichlorobenzene, 1,2-	SNL0090031	LWDS-04-BH01	0	09-AUG-92	8270	10	U	10	EB
Dichlorobenzene, 1,2-	SNL0090054	LWDS-04-BH02	0	10-AUG-92	8270	10	U	10	EB
Dichlorobenzene, 1,2-	SNL0090596	LWDS-04-BH02	0	11-AUG-92	8270	10	U	10	EB
Dichlorobenzene, 1,2-	SNL0090623	LWDS-04-BH03	0	12-AUG-92	8270	10	U	10	EB
Dichlorobenzene, 1,2-	SNL0091158	LWDS-04-BH03	0	13-AUG-92	8270	10	U	10	EB
Dichlorobenzene, 1,2-	SNL0091172	LWDS-04-BH04	0	18-AUG-92	8270	10	U	10	EB
Dichlorobenzene, 1,2-	SNL0091173	LWDS-04-BH04	0	18-AUG-92	8270	11	U	11	EB
Dichlorobenzene, 1,2-	SNL0091192	LWDS-04-BH04	0	19-AUG-92	8270	10	U	10	EB
Dichlorobenzene, 1,2-	SNL0091255	LWDS-04-BH05	0	20-AUG-92	8270	10	U	10	EB
Dichlorobenzene, 1,2-	SNL0091273	LWDS-MW1	0	23-AUG-92	8270	10	U	10	EB
Dichlorobenzene, 1,2-	SNL0091275	LWDS-MW1	0	22-AUG-92	8270	10	U	10	EB
Dichlorobenzene, 1,2-	SNL0091292	LWDS-MW1	0	24-AUG-92	8270	10	U	10	EB
Dichlorobenzene, 1,2-	SNL0091299	LWDS-MW1	0	25-AUG-92	8270	10	U	10	EB
Dichlorobenzene, 1,2-	SNL0091934	LWDS-52-BH06	0	05-SEP-92	8270	10	U	10	EB
Dichlorobenzene, 1,2-	SNL0091945	LWDS-52-BH08	0	05-SEP-92	8270	10	U	10	EB
Dichlorobenzene, 1,2-	SNL0092792	LWDS-MW2	0	23-SEP-92	8270	10	U	10	EB
Dichlorobenzene, 1,2-	SNL0092872	LWDS-MW2	0	08-OCT-92	8270	10	U	10	EB
Dichlorobenzene, 1,2-	SNL0093106	LWDS-MW1	0	28-APR-93	8270	10	U	10	EB
Dichlorobenzene, 1,2-	SNL0093237	LWDS-04-BH09	0	18-MAR-94	8270	10	U	10	EB
Dichlorobenzene, 1,2-	SNL0093275	LWDS-04-BH10	0	19-MAR-94	8270	10	U	10	EB
Dichlorobenzene, 1,2-	SNL0093368	LWDS-05-BH13	0	22-MAR-94	8270	10	U	10	EB
Dichlorobenzene, 1,2-	SNL0093458	LWDS-05-BH12	0	21-MAR-94	8270	10	U	10	EB
Dichlorobenzene, 1,2-	SNL0093575	LWDS-05-BH11	0	20-MAR-94	8270	10	U	10	EB
Dichlorobenzene, 1,2-	SNL0093615	LWDS-52-BH16	0	24-MAR-94	8270	10	U	10	EB
Dichlorobenzene, 1,2-	SNL0093647	LWDS-05-BH14	0	23-MAR-94	8270	10	U	10	EB
Dichlorobenzene, 1,2-	SNL0093706	LWDS-52-BH15	0	23-MAR-94	8270	10	U	10	EB
Dichlorobenzene, 1,2-	SNL0094017	LWDS-MW2	0	11-MAR-94	8270	0.01	U	0.01	EB
Dichlorobenzene, 1,2-	SNL0094282	LWDS-MW1	0	06-JUN-94	8270	0.01	U	0.01	EB
Dichlorobenzene, 1,2-	SNL0094303	LWDS-MW1	0	31-AUG-94	8270	0.01	U	0.01	EB
Dichlorobenzene, 1,2-	SNL0094376	LWDS-MW1	0	07-OCT-94	8010	0.001	U	0.001	EB
Dichlorobenzene, 1,2-	SNL0094377	LWDS-MW1	0	07-OCT-94	8010	0.001	U	0.001	EB
Dichlorobenzene, 1,2-	SNL0094378	LWDS-MW1	0	07-OCT-94	8010	0.001	U	0.001	EB
Dichlorobenzene, 1,2-	SNL0094379	LWDS-MW1	0	07-OCT-94	8010	0.001	U	0.001	TB
Dichlorobenzene, 1,2-	SNL0094386	LWDS-MW1	0	30-NOV-94	8010	0.001	U	0.001	TB
Dichlorobenzene, 1,2-	SNL0094412	LWDS-MW2	0	30-NOV-94	8010	0.001	U	0.001	TB
Dichlorobenzene, 1,2-	SNL0094413	LWDS-MW2	0	07-DEC-94	8010	0.001	U	0.001	EB
Dichlorobenzene, 1,2-	SNL0094414	LWDS-MW2	0	07-DEC-94	8270	0.01	U	0.01	EB
Dichlorobenzene, 1,2-	SNL0094466	LWDS-MW1	0	18-MAR-96	8020	0.5	U	0.5	TB
Dichlorobenzene, 1,2-	SNL0094521	LWDS-MW2	0	21-SEP-95	8260	1	U	1	TB
Dichlorobenzene, 1,2-	SNL0094530	LWDS-MW1	0	25-SEP-95	8260	1	U	1	TB
Dichlorobenzene, 1,2-	SNL0094531	LWDS-MW1	0	25-SEP-95	8260	1	U	1	FB
Dichlorobenzene, 1,2-	SNL0094543	LWDS-MW2	0	14-DEC-95	8260	1	U	1	TB
Dichlorobenzene, 1,2-	SNL0094620	LWDS MW-2	0	01-MAR-95	8270	0.01	U	0.01	EB
Dichlorobenzene, 1,2-	SNL0094705	LWDS-MW2	0	12-JUN-95	8010	0.001	U	0.001	TB
Dichlorobenzene, 1,2-	SNL0094748	LWDS-MW2	0	12-JUN-95	8010	0.001	U	0.001	EB
Dichlorobenzene, 1,2-	SNL0094749	LWDS-MW2	0	12-JUN-95	8270	0.01	U	0.01	EB
Dichlorobenzene, 1,2-	SNL0094760	LWDS-MW1	0	14-JUN-95	8010	0.001	U	0.001	TB
Dichlorobenzene, 1,2-	SNL0099100	LWDS-MW2	0	24-JUN-93	8270	0.01	U	0.01	EB
Dichlorobenzene, 1,2-	031518-001	LWDS-MW1-TB		12-MAR-96	PA-SW846-80	0.098	U	0.098	TB
Dichlorobenzene, 1,3-	SNL0090028	LWDS-04-BH01	0	08-AUG-92	8270	10	U	10	EB
Dichlorobenzene, 1,3-	SNL0090031	LWDS-04-BH01	0	09-AUG-92	8270	10	U	10	EB
Dichlorobenzene, 1,3-	SNL0090054	LWDS-04-BH02	0	10-AUG-92	8270	10	U	10	EB

Table A-13. Trip blank and equipment blank results for ER Sites 4, 5, and 52.

Analyte	Sample Number	Sample Location	Sample Depth (Ft)	Sample Date	Analytical Method	Amount Detected (mg/L)	Qualifier	Method Detection Limit	Sample Type
Dichlorobenzene, 1,3-	SNL0090596	LWDS-04-BH02	0	11-AUG-92	8270	10	U	10	EB
Dichlorobenzene, 1,3-	SNL0090623	LWDS-04-BH03	0	12-AUG-92	8270	10	U	10	EB
Dichlorobenzene, 1,3-	SNL0091158	LWDS-04-BH03	0	13-AUG-92	8270	10	U	10	EB
Dichlorobenzene, 1,3-	SNL0091172	LWDS-04-BH04	0	18-AUG-92	8270	10	U	10	EB
Dichlorobenzene, 1,3-	SNL0091173	LWDS-04-BH04	0	18-AUG-92	8270	11	U	11	EB
Dichlorobenzene, 1,3-	SNL0091192	LWDS-04-BH04	0	19-AUG-92	8270	10	U	10	EB
Dichlorobenzene, 1,3-	SNL0091255	LWDS-04-BH05	0	20-AUG-92	8270	10	U	10	EB
Dichlorobenzene, 1,3-	SNL0091273	LWDS-MW1	0	23-AUG-92	8270	10	U	10	EB
Dichlorobenzene, 1,3-	SNL0091275	LWDS-MW1	0	22-AUG-92	8270	10	U	10	EB
Dichlorobenzene, 1,3-	SNL0091292	LWDS-MW1	0	24-AUG-92	8270	10	U	10	EB
Dichlorobenzene, 1,3-	SNL0091299	LWDS-MW1	0	25-AUG-92	8270	10	U	10	EB
Dichlorobenzene, 1,3-	SNL0091934	LWDS-52-BH06	0	05-SEP-92	8270	10	U	10	EB
Dichlorobenzene, 1,3-	SNL0091945	LWDS-52-BH08	0	05-SEP-92	8270	10	U	10	EB
Dichlorobenzene, 1,3-	SNL0092792	LWDS-MW2	0	23-SEP-92	8270	10	U	10	EB
Dichlorobenzene, 1,3-	SNL0092872	LWDS-MW2	0	08-OCT-92	8270	10	U	10	EB
Dichlorobenzene, 1,3-	SNL0093106	LWDS-MW1	0	28-APR-93	8270	10	U	10	EB
Dichlorobenzene, 1,3-	SNL0093237	LWDS-04-BH09	0	18-MAR-94	8270	10	U	10	EB
Dichlorobenzene, 1,3-	SNL0093275	LWDS-04-BH10	0	19-MAR-94	8270	10	U	10	EB
Dichlorobenzene, 1,3-	SNL0093368	LWDS-05-BH13	0	22-MAR-94	8270	10	U	10	EB
Dichlorobenzene, 1,3-	SNL0093458	LWDS-05-BH12	0	21-MAR-94	8270	10	U	10	EB
Dichlorobenzene, 1,3-	SNL0093575	LWDS-05-BH11	0	20-MAR-94	8270	10	U	10	EB
Dichlorobenzene, 1,3-	SNL0093615	LWDS-52-BH16	0	24-MAR-94	8270	10	U	10	EB
Dichlorobenzene, 1,3-	SNL0093647	LWDS-05-BH14	0	23-MAR-94	8270	10	U	10	EB
Dichlorobenzene, 1,3-	SNL0093706	LWDS-52-BH15	0	23-MAR-94	8270	10	U	10	EB
Dichlorobenzene, 1,3-	SNL0094017	LWDS-MW2	0	11-MAR-94	8270	0.01	U	0.01	EB
Dichlorobenzene, 1,3-	SNL0094282	LWDS-MW1	0	06-JUN-94	8270	0.01	U	0.01	EB
Dichlorobenzene, 1,3-	SNL0094303	LWDS-MW1	0	31-AUG-94	8270	0.01	U	0.01	EB
Dichlorobenzene, 1,3-	SNL0094376	LWDS-MW1	0	07-OCT-94	8010	0.001	U	0.001	EB
Dichlorobenzene, 1,3-	SNL0094377	LWDS-MW1	0	07-OCT-94	8010	0.001	U	0.001	EB
Dichlorobenzene, 1,3-	SNL0094378	LWDS-MW1	0	07-OCT-94	8010	0.001	U	0.001	EB
Dichlorobenzene, 1,3-	SNL0094379	LWDS-MW1	0	07-OCT-94	8010	0.001	U	0.001	TB
Dichlorobenzene, 1,3-	SNL0094386	LWDS-MW1	0	30-NOV-94	8010	0.001	U	0.001	TB
Dichlorobenzene, 1,3-	SNL0094412	LWDS-MW2	0	30-NOV-94	8010	0.001	U	0.001	TB
Dichlorobenzene, 1,3-	SNL0094413	LWDS-MW2	0	07-DEC-94	8010	0.001	U	0.001	EB
Dichlorobenzene, 1,3-	SNL0094414	LWDS-MW2	0	07-DEC-94	8270	0.01	U	0.01	EB
Dichlorobenzene, 1,3-	SNL0094466	LWDS-MW1	0	18-MAR-96	8020	0.5	U	0.5	TB
Dichlorobenzene, 1,3-	SNL0094521	LWDS-MW2	0	21-SEP-95	8260	1	U	1	TB
Dichlorobenzene, 1,3-	SNL0094530	LWDS-MW1	0	25-SEP-95	8260	1	U	1	TB
Dichlorobenzene, 1,3-	SNL0094531	LWDS-MW1	0	25-SEP-95	8260	1	U	1	FB
Dichlorobenzene, 1,3-	SNL0094543	LWDS-MW2	0	14-DEC-95	8260	1	U	1	TB
Dichlorobenzene, 1,3-	SNL0094620	LWDS MW-2	0	01-MAR-95	8270	0.01	U	0.01	EB
Dichlorobenzene, 1,3-	SNL0094705	LWDS-MW2	0	12-JUN-95	8010	0.001	U	0.001	TB
Dichlorobenzene, 1,3-	SNL0094748	LWDS-MW2	0	12-JUN-95	8010	0.001	U	0.001	EB
Dichlorobenzene, 1,3-	SNL0094749	LWDS-MW2	0	12-JUN-95	8270	0.01	U	0.01	EB
Dichlorobenzene, 1,3-	SNL0094760	LWDS-MW1	0	14-JUN-95	8010	0.001	U	0.001	TB
Dichlorobenzene, 1,3-	SNL0099100	LWDS-MW2	0	24-JUN-93	8270	0.01	U	0.01	EB
Dichlorobenzene, 1,3-	031518-001	LWDS-MW1-TB		12-MAR-96	PA-SW846-80	0.16	U	0.16	TB
Dichlorobenzene, 1,4-	SNL0090028	LWDS-04-BH01	0	08-AUG-92	8270	10	U	10	EB
Dichlorobenzene, 1,4-	SNL0090031	LWDS-04-BH01	0	09-AUG-92	8270	10	U	10	EB
Dichlorobenzene, 1,4-	SNL0090054	LWDS-04-BH02	0	10-AUG-92	8270	10	U	10	EB
Dichlorobenzene, 1,4-	SNL0090596	LWDS-04-BH02	0	11-AUG-92	8270	10	U	10	EB
Dichlorobenzene, 1,4-	SNL0090623	LWDS-04-BH03	0	12-AUG-92	8270	10	U	10	EB
Dichlorobenzene, 1,4-	SNL0091158	LWDS-04-BH03	0	13-AUG-92	8270	10	U	10	EB
Dichlorobenzene, 1,4-	SNL0091172	LWDS-04-BH04	0	18-AUG-92	8270	10	U	10	EB
Dichlorobenzene, 1,4-	SNL0091173	LWDS-04-BH04	0	18-AUG-92	8270	11	U	11	EB
Dichlorobenzene, 1,4-	SNL0091192	LWDS-04-BH04	0	19-AUG-92	8270	10	U	10	EB
Dichlorobenzene, 1,4-	SNL0091255	LWDS-04-BH05	0	20-AUG-92	8270	10	U	10	EB
Dichlorobenzene, 1,4-	SNL0091273	LWDS-MW1	0	23-AUG-92	8270	10	U	10	EB
Dichlorobenzene, 1,4-	SNL0091275	LWDS-MW1	0	22-AUG-92	8270	10	U	10	EB
Dichlorobenzene, 1,4-	SNL0091292	LWDS-MW1	0	24-AUG-92	8270	10	U	10	EB
Dichlorobenzene, 1,4-	SNL0091299	LWDS-MW1	0	25-AUG-92	8270	10	U	10	EB
Dichlorobenzene, 1,4-	SNL0091934	LWDS-52-BH06	0	05-SEP-92	8270	10	U	10	EB
Dichlorobenzene, 1,4-	SNL0091945	LWDS-52-BH08	0	05-SEP-92	8270	10	U	10	EB
Dichlorobenzene, 1,4-	SNL0092792	LWDS-MW2	0	23-SEP-92	8270	10	U	10	EB
Dichlorobenzene, 1,4-	SNL0092872	LWDS-MW2	0	08-OCT-92	8270	10	U	10	EB
Dichlorobenzene, 1,4-	SNL0093106	LWDS-MW1	0	28-APR-93	8270	10	U	10	EB
Dichlorobenzene, 1,4-	SNL0093237	LWDS-04-BH09	0	18-MAR-94	8270	10	U	10	EB
Dichlorobenzene, 1,4-	SNL0093275	LWDS-04-BH10	0	19-MAR-94	8270	10	U	10	EB

Table A-13. Trip blank and equipment blank results for ER Sites 4, 5, and 52.

Analyte	Sample Number	Sample Location	Sample Depth (Ft)	Sample Date	Analytical Method	Amount Detected (mg/L)	Qualifier	Method Detection Limit	Sample Type
Dichlorobenzene, 1,4-	SNL0093368	LWDS-05-BH13	0	22-MAR-94	8270	10	U	10	EB
Dichlorobenzene, 1,4-	SNL0093458	LWDS-05-BH12	0	21-MAR-94	8270	10	U	10	EB
Dichlorobenzene, 1,4-	SNL0093575	LWDS-05-BH11	0	20-MAR-94	8270	10	U	10	EB
Dichlorobenzene, 1,4-	SNL0093615	LWDS-52-BH16	0	24-MAR-94	8270	10	U	10	EB
Dichlorobenzene, 1,4-	SNL0093647	LWDS-05-BH14	0	23-MAR-94	8270	10	U	10	EB
Dichlorobenzene, 1,4-	SNL0093706	LWDS-52-BH15	0	23-MAR-94	8270	10	U	10	EB
Dichlorobenzene, 1,4-	SNL0094017	LWDS-MW2	0	11-MAR-94	8270	0.01	U	0.01	EB
Dichlorobenzene, 1,4-	SNL0094282	LWDS-MW1	0	06-JUN-94	8270	0.01	U	0.01	EB
Dichlorobenzene, 1,4-	SNL0094303	LWDS-MW1	0	31-AUG-94	8270	0.01	U	0.01	EB
Dichlorobenzene, 1,4-	SNL0094376	LWDS-MW1	0	07-OCT-94	8010	0.001	U	0.001	EB
Dichlorobenzene, 1,4-	SNL0094377	LWDS-MW1	0	07-OCT-94	8010	0.001	U	0.001	EB
Dichlorobenzene, 1,4-	SNL0094378	LWDS-MW1	0	07-OCT-94	8010	0.001	U	0.001	EB
Dichlorobenzene, 1,4-	SNL0094379	LWDS-MW1	0	07-OCT-94	8010	0.001	U	0.001	TB
Dichlorobenzene, 1,4-	SNL0094386	LWDS-MW1	0	30-NOV-94	8010	0.001	U	0.001	TB
Dichlorobenzene, 1,4-	SNL0094412	LWDS-MW2	0	30-NOV-94	8010	0.001	U	0.001	TB
Dichlorobenzene, 1,4-	SNL0094413	LWDS-MW2	0	07-DEC-94	8010	0.001	U	0.001	EB
Dichlorobenzene, 1,4-	SNL0094414	LWDS-MW2	0	07-DEC-94	8270	0.01	U	0.01	EB
Dichlorobenzene, 1,4-	SNL0094466	LWDS-MW1	0	18-MAR-96	8020	0.5	U	0.5	TB
Dichlorobenzene, 1,4-	SNL0094521	LWDS-MW2	0	21-SEP-95	8260	1	U	1	TB
Dichlorobenzene, 1,4-	SNL0094530	LWDS-MW1	0	25-SEP-95	8260	1	U	1	TB
Dichlorobenzene, 1,4-	SNL0094531	LWDS-MW1	0	25-SEP-95	8260	1	U	1	FB
Dichlorobenzene, 1,4-	SNL0094543	LWDS-MW2	0	14-DEC-95	8260	1	U	1	TB
Dichlorobenzene, 1,4-	SNL0094620	LWDS MW-2	0	01-MAR-95	8270	0.01	U	0.01	EB
Dichlorobenzene, 1,4-	SNL0094705	LWDS-MW2	0	12-JUN-95	8010	0.001	U	0.001	TB
Dichlorobenzene, 1,4-	SNL0094748	LWDS-MW2	0	12-JUN-95	8010	0.001	U	0.001	EB
Dichlorobenzene, 1,4-	SNL0094749	LWDS-MW2	0	12-JUN-95	8270	0.01	U	0.01	EB
Dichlorobenzene, 1,4-	SNL0094760	LWDS-MW1	0	14-JUN-95	8010	0.001	U	0.001	TB
Dichlorobenzene, 1,4-	SNL0099100	LWDS-MW2	0	24-JUN-93	8270	0.01	U	0.01	EB
Dichlorobenzene, 1,4-	031518-001	LWDS-MW1-TB		12-MAR-96	PA-SW846-802	0.091	U	0.091	TB
Dichlorobenzidine, 3,3'-	SNL0090028	LWDS-04-BH01	0	08-AUG-92	8270	20	U	20	EB
Dichlorobenzidine, 3,3'-	SNL0090031	LWDS-04-BH01	0	09-AUG-92	8270	20	U	20	EB
Dichlorobenzidine, 3,3'-	SNL0090054	LWDS-04-BH02	0	10-AUG-92	8270	20	U	20	EB
Dichlorobenzidine, 3,3'-	SNL0090596	LWDS-04-BH02	0	11-AUG-92	8270	21	U	21	EB
Dichlorobenzidine, 3,3'-	SNL0090623	LWDS-04-BH03	0	12-AUG-92	8270	20	U	20	EB
Dichlorobenzidine, 3,3'-	SNL0091158	LWDS-04-BH03	0	13-AUG-92	8270	20	U	20	EB
Dichlorobenzidine, 3,3'-	SNL0091172	LWDS-04-BH04	0	18-AUG-92	8270	20	U	20	EB
Dichlorobenzidine, 3,3'-	SNL0091173	LWDS-04-BH04	0	18-AUG-92	8270	21	U	21	EB
Dichlorobenzidine, 3,3'-	SNL0091192	LWDS-04-BH04	0	19-AUG-92	8270	21	U	21	EB
Dichlorobenzidine, 3,3'-	SNL0091255	LWDS-04-BH05	0	20-AUG-92	8270	21	U	21	EB
Dichlorobenzidine, 3,3'-	SNL0091273	LWDS-MW1	0	23-AUG-92	8270	20	U	20	EB
Dichlorobenzidine, 3,3'-	SNL0091275	LWDS-MW1	0	22-AUG-92	8270	20	U	20	EB
Dichlorobenzidine, 3,3'-	SNL0091292	LWDS-MW1	0	24-AUG-92	8270	20	U	20	EB
Dichlorobenzidine, 3,3'-	SNL0091299	LWDS-MW1	0	25-AUG-92	8270	20	U	20	EB
Dichlorobenzidine, 3,3'-	SNL0091934	LWDS-52-BH06	0	05-SEP-92	8270	20	U	20	EB
Dichlorobenzidine, 3,3'-	SNL0091945	LWDS-52-BH08	0	05-SEP-92	8270	20	U	20	EB
Dichlorobenzidine, 3,3'-	SNL0092792	LWDS-MW2	0	23-SEP-92	8270	20	U	20	EB
Dichlorobenzidine, 3,3'-	SNL0092872	LWDS-MW2	0	08-OCT-92	8270	20	U	20	EB
Dichlorobenzidine, 3,3'-	SNL0093106	LWDS-MW1	0	28-APR-93	8270	20	U	20	EB
Dichlorobenzidine, 3,3'-	SNL0093237	LWDS-04-BH09	0	18-MAR-94	8270	20	U	20	EB
Dichlorobenzidine, 3,3'-	SNL0093275	LWDS-04-BH10	0	19-MAR-94	8270	20	U	20	EB
Dichlorobenzidine, 3,3'-	SNL0093368	LWDS-05-BH13	0	22-MAR-94	8270	20	U	20	EB
Dichlorobenzidine, 3,3'-	SNL0093458	LWDS-05-BH12	0	21-MAR-94	8270	20	U	20	EB
Dichlorobenzidine, 3,3'-	SNL0093575	LWDS-05-BH11	0	20-MAR-94	8270	20	U	20	EB
Dichlorobenzidine, 3,3'-	SNL0093615	LWDS-52-BH16	0	24-MAR-94	8270	20	U	20	EB
Dichlorobenzidine, 3,3'-	SNL0093647	LWDS-05-BH14	0	23-MAR-94	8270	20	U	20	EB
Dichlorobenzidine, 3,3'-	SNL0093706	LWDS-52-BH15	0	23-MAR-94	8270	20	U	20	EB
Dichlorobenzidine, 3,3'-	SNL0094017	LWDS-MW2	0	11-MAR-94	8270	0.02	U	0.02	EB
Dichlorobenzidine, 3,3'-	SNL0094282	LWDS-MW1	0	06-JUN-94	8270	0.02	U	0.02	EB
Dichlorobenzidine, 3,3'-	SNL0094303	LWDS-MW1	0	31-AUG-94	8270	0.02	U	0.02	EB
Dichlorobenzidine, 3,3'-	SNL0094414	LWDS-MW2	0	07-DEC-94	8270	0.02	U	0.02	EB
Dichlorobenzidine, 3,3'-	SNL0094620	LWDS MW-2	0	01-MAR-95	8270	0.02	U	0.02	EB
Dichlorobenzidine, 3,3'-	SNL0094749	LWDS-MW2	0	12-JUN-95	8270	0.02	U	0.02	EB
Dichlorobenzidine, 3,3'-	SNL0099100	LWDS-MW2	0	24-JUN-93	8270	0.02	U	0.02	EB
Dichlorodifluoromethane	SNL0094376	LWDS-MW1	0	07-OCT-94	8010	0.001	U	0.001	EB
Dichlorodifluoromethane	SNL0094377	LWDS-MW1	0	07-OCT-94	8010	0.001	U	0.001	EB
Dichlorodifluoromethane	SNL0094378	LWDS-MW1	0	07-OCT-94	8010	0.001	U	0.001	EB
Dichlorodifluoromethane	SNL0094379	LWDS-MW1	0	07-OCT-94	8010	0.001	U	0.001	TB
Dichlorodifluoromethane	SNL0094386	LWDS-MW1	0	30-NOV-94	8010	0.001	U	0.001	TB

Table A-13. Trip blank and equipment blank results for ER Sites 4, 5, and 52.

Analyte	Sample Number	Sample Location	Sample Depth (Ft)	Sample Date	Analytical Method	Amount Detected (mg/L)	Qualifier	Method Detection Limit	Sample Type
Dichlorodifluoromethane	SNL0094412	LWDS-MW2	0	30-NOV-94	8010	0.001	U	0.001	TB
Dichlorodifluoromethane	SNL0094413	LWDS-MW2	0	07-DEC-94	8010	0.001	U	0.001	EB
Dichlorodifluoromethane	SNL0094521	LWDS-MW2	0	21-SEP-95	8260	1	U	1	TB
Dichlorodifluoromethane	SNL0094530	LWDS-MW1	0	25-SEP-95	8260	1	U	1	TB
Dichlorodifluoromethane	SNL0094531	LWDS-MW1	0	25-SEP-95	8260	1	U	1	FB
Dichlorodifluoromethane	SNL0094543	LWDS-MW2	0	14-DEC-95	8260	1	U	1	TB
Dichlorodifluoromethane	SNL0094705	LWDS-MW2	0	12-JUN-95	8010	0.001	U	0.001	TB
Dichlorodifluoromethane	SNL0094748	LWDS-MW2	0	12-JUN-95	8010	0.001	U	0.001	EB
Dichlorodifluoromethane	SNL0094760	LWDS-MW1	0	14-JUN-95	8010	0.001	U	0.001	TB
Dichlorodifluoromethane	SNL0099118	LWDS-MW1-DRUM	0	27-DEC-93	624	0.01	U	0.01	TB
hlorodiisopropyl ether, 2	SNL0094282	LWDS-MW1	0	06-JUN-94	8270	0.01	U	0.01	EB
hlorodiisopropyl ether, 2	SNL0094303	LWDS-MW1	0	31-AUG-94	8270	0.01	U	0.01	EB
hlorodiisopropyl ether, 2	SNL0094414	LWDS-MW2	0	07-DEC-94	8270	0.01	U	0.01	EB
hlorodiisopropyl ether, 2	SNL0094620	LWDS MW-2	0	01-MAR-95	8270	0.01	U	0.01	EB
hlorodiisopropyl ether, 2	SNL0094749	LWDS-MW2	0	12-JUN-95	8270	0.01	U	0.01	EB
hlorodiisopropyl ether, 2	SNL0099100	LWDS-MW2	0	24-JUN-93	8270	0.01	U	0.01	EB
Dichloroethane, 1,1-	SNL0090027	LWDS-04-BH01	0	08-AUG-92	8240	5	U	5	EB
Dichloroethane, 1,1-	SNL0090029	LWDS-04-BH01	0	08-AUG-92	8240	5	U	5	TB
Dichloroethane, 1,1-	SNL0090030	LWDS-04-BH01	0	09-AUG-92	8240	5	U	5	EB
Dichloroethane, 1,1-	SNL0090032	LWDS-04-BH01	0	09-AUG-92	8240	5	U	5	TB
Dichloroethane, 1,1-	SNL0090053	LWDS-04-BH02	0	10-AUG-92	8240	5	U	5	EB
Dichloroethane, 1,1-	SNL0090055	LWDS-04-BH02	0	10-AUG-92	8240	5	U	5	TB
Dichloroethane, 1,1-	SNL0090162	LWDS-SS	0	16-JUL-92	8240	5	U	5	TB
Dichloroethane, 1,1-	SNL0090163	LWDS-SS	0	16-JUL-92	8240	5	U	5	TB
Dichloroethane, 1,1-	SNL0090416	LWDS-SS	0	16-JUL-92	8240	5	U	5	TB
Dichloroethane, 1,1-	SNL0090595	LWDS-04-BH02	0	11-AUG-92	8240	5	U	5	EB
Dichloroethane, 1,1-	SNL0090597	LWDS-04-BH02	0	11-AUG-92	8240	5	U	5	TB
Dichloroethane, 1,1-	SNL0090622	LWDS-04-BH03	0	12-AUG-92	8240	5	U	5	EB
Dichloroethane, 1,1-	SNL0090624	LWDS-04-BH03	0	12-AUG-92	8240	5	U	5	TB
Dichloroethane, 1,1-	SNL0090737	LWDS-SS	0	17-JUL-92	8240	5	U	5	TB
Dichloroethane, 1,1-	SNL0090934	LWDS-SS	0	17-JUL-92	8240	5	U	5	TB
Dichloroethane, 1,1-	SNL0091118	LWDS-SS	0	20-JUL-92	8240	5	U	5	TB
Dichloroethane, 1,1-	SNL0091157	LWDS-04-BH03	0	13-AUG-92	8240	5	U	5	EB
Dichloroethane, 1,1-	SNL0091171	LWDS-04-BH04	0	18-AUG-92	8240	5	U	5	EB
Dichloroethane, 1,1-	SNL0091174	LWDS-04-BH04	0	18-AUG-92	8240	5	U	5	TB
Dichloroethane, 1,1-	SNL0091191	LWDS-04-BH04	0	19-AUG-92	8240	5	U	5	EB
Dichloroethane, 1,1-	SNL0091193	LWDS-04-BH04	0	19-AUG-92	8240	5	U	5	TB
Dichloroethane, 1,1-	SNL0091242	LWDS-04-BH05	0	20-AUG-92	8240	5	U	5	TB
Dichloroethane, 1,1-	SNL0091256	LWDS-04-BH05	0	20-AUG-92	8240	5	U	5	EB
Dichloroethane, 1,1-	SNL0091257	LWDS-04-BH05	0	20-AUG-92	8240	5	U	5	TB
Dichloroethane, 1,1-	SNL0091272	LWDS-MW1	0	23-AUG-92	8240	5	U	5	EB
Dichloroethane, 1,1-	SNL0091274	LWDS-MW1	0	22-AUG-92	8240	5	U	5	EB
Dichloroethane, 1,1-	SNL0091276	LWDS-MW1	0	22-AUG-92	8240	5	U	5	TB
Dichloroethane, 1,1-	SNL0091291	LWDS-MW1	0	24-AUG-92	8240	5	U	5	EB
Dichloroethane, 1,1-	SNL0091293	LWDS-MW1	0	24-AUG-92	8240	5	U	5	TB
Dichloroethane, 1,1-	SNL0091298	LWDS-MW1	0	25-AUG-92	8240	5	U	5	EB
Dichloroethane, 1,1-	SNL0091300	LWDS-MW1	0	25-AUG-92	8240	5	U	5	TB
Dichloroethane, 1,1-	SNL0091933	LWDS-52-BH06	0	05-SEP-92	8240	5	U	5	EB
Dichloroethane, 1,1-	SNL0091935	LWDS-52-BH06	0	05-SEP-92	8240	5	U	5	TB
Dichloroethane, 1,1-	SNL0091944	LWDS-52-BH08	0	05-SEP-92	8240	5	U	5	EB
Dichloroethane, 1,1-	SNL0092723	LWDS-MW2	0	18-SEP-92	8240	5	U	5	TB
Dichloroethane, 1,1-	SNL0092746	LWDS-MW2	0	21-SEP-92	8240	5	U	5	TB
Dichloroethane, 1,1-	SNL0092791	LWDS-MW2	0	23-SEP-92	8240	5	U	5	EB
Dichloroethane, 1,1-	SNL0092801	LWDS-MW2	0	23-SEP-92	8240	5	U	5	TB
Dichloroethane, 1,1-	SNL0092835	LWDS-MW2	0	24-SEP-92	8240	5	U	5	TB
Dichloroethane, 1,1-	SNL0092847	LWDS-MW2	0	01-OCT-92	8240	5	U	5	TB
Dichloroethane, 1,1-	SNL0092859	LWDS-MW2	0	02-OCT-92	8240	5	U	5	TB
Dichloroethane, 1,1-	SNL0092871	LWDS-MW2	0	08-OCT-92	8240	5	U	5	EB
Dichloroethane, 1,1-	SNL0092881	LWDS-MW2	0	08-OCT-92	8240	5	U	5	TB
Dichloroethane, 1,1-	SNL0092948	LWDS-MW2	0	17-OCT-92	8240	5	U	5	TB
Dichloroethane, 1,1-	SNL0092970	LWDS-MW2	0	21-OCT-92	8240	5	U	5	TB
Dichloroethane, 1,1-	SNL0092989	LWDS-MW1	0	06-APR-93	8240	5	U	5	TB
Dichloroethane, 1,1-	SNL0093002	LWDS-MW1	0	08-APR-93	8240	5	U	5	TB
Dichloroethane, 1,1-	SNL0093003	LWDS-MW1	0	13-APR-93	8240	5	U	5	TB
Dichloroethane, 1,1-	SNL0093013	LWDS-MW1	0	14-APR-93	8240	5	U	5	TB
Dichloroethane, 1,1-	SNL0093035	LWDS-MW1	0	15-APR-93	8240	5	U	5	TB
Dichloroethane, 1,1-	SNL0093045	LWDS-MW1	0	17-APR-93	8240	5	U	5	TB
Dichloroethane, 1,1-	SNL0093082	LWDS-MW1	0	21-APR-93	8240	5	U	5	TB

Table A-13. Trip blank and equipment blank results for ER Sites 4, 5, and 52.

Analyte	Sample Number	Sample Location	Sample Depth (Ft)	Sample Date	Analytical Method	Amount Detected (mg/L)	Qualifier	Method Detection Limit	Sample Type
Dichloroethane, 1,1-	SNL0093092	LWDS-MW1	0	27-APR-93	8240	5	U	5	TB
Dichloroethane, 1,1-	SNL0093105	LWDS-MW1	0	28-APR-93	8240	5	U	5	EB
Dichloroethane, 1,1-	SNL0093114	LWDS-MW1	0	28-APR-93	8240	5	U	5	TB
Dichloroethane, 1,1-	SNL0093124	LWDS-MW1	0	30-APR-93	8240	5	U	5	TB
Dichloroethane, 1,1-	SNL0093135	LWDS-MW1	0	03-MAY-93	8240	5	U	5	TB
Dichloroethane, 1,1-	SNL0093236	LWDS-04-BH09	0	18-MAR-94	8240	5	U	5	EB
Dichloroethane, 1,1-	SNL0093244	LWDS-04-BH09	0	18-MAR-94	8240	5	U	5	TB
Dichloroethane, 1,1-	SNL0093245	LWDS-04-BH09	0	18-MAR-94	8240	5	U	5	TB
Dichloroethane, 1,1-	SNL0093274	LWDS-04-BH10	0	19-MAR-94	8240	5	U	5	EB
Dichloroethane, 1,1-	SNL0093285	LWDS-04-BH10	0	19-MAR-94	8240	5	U	5	TB
Dichloroethane, 1,1-	SNL0093286	LWDS-04-BH10	0	19-MAR-94	8240	5	U	5	TB
Dichloroethane, 1,1-	SNL0093367	LWDS-05-BH13	0	22-MAR-94	8240	5	U	5	EB
Dichloroethane, 1,1-	SNL0093375	LWDS-05-BH13	0	22-MAR-94	8240	5	U	5	TB
Dichloroethane, 1,1-	SNL0093376	LWDS-05-BH13	0	22-MAR-94	8240	5	U	5	TB
Dichloroethane, 1,1-	SNL0093457	LWDS-05-BH12	0	21-MAR-94	8240	5	U	5	EB
Dichloroethane, 1,1-	SNL0093465	LWDS-05-BH12	0	21-MAR-94	8240	5	U	5	TB
Dichloroethane, 1,1-	SNL0093466	LWDS-05-BH12	0	21-MAR-94	8240	5	U	5	TB
Dichloroethane, 1,1-	SNL0093572	LWDS-05-BH11	0	20-MAR-94	8240	5	U	5	TB
Dichloroethane, 1,1-	SNL0093573	LWDS-05-BH11	0	20-MAR-94	8240	5	U	5	TB
Dichloroethane, 1,1-	SNL0093574	LWDS-05-BH11	0	20-MAR-94	8240	5	U	5	EB
Dichloroethane, 1,1-	SNL0093614	LWDS-52-BH16	0	24-MAR-94	8240	5	U	5	EB
Dichloroethane, 1,1-	SNL0093622	LWDS-52-BH16	0	24-MAR-94	8240	5	U	5	TB
Dichloroethane, 1,1-	SNL0093646	LWDS-05-BH14	0	23-MAR-94	8240	5	U	5	EB
Dichloroethane, 1,1-	SNL0093654	LWDS-05-BH14	0	23-MAR-94	8240	5	U	5	TB
Dichloroethane, 1,1-	SNL0093655	LWDS-05-BH14	0	23-MAR-94	8240	5	U	5	TB
Dichloroethane, 1,1-	SNL0093705	LWDS-52-BH15	0	23-MAR-94	8240	5	U	5	EB
Dichloroethane, 1,1-	SNL0094080	LWDS-MW1	0	10-MAR-94	8240	0.005	U	0.005	TB
Dichloroethane, 1,1-	SNL0094280	LWDS-MW1	0	31-MAY-94	8260	0.001	U	0.001	TB
Dichloroethane, 1,1-	SNL0094281	LWDS-MW1	0	06-JUN-94	8260	0.001	U	0.001	EB
Dichloroethane, 1,1-	SNL0094298	LWDS-MW1	0	31-MAY-94	8260	0.001	U	0.001	TB
Dichloroethane, 1,1-	SNL0094302	LWDS-MW1	0	31-AUG-94	8260	0.001	U	0.001	EB
Dichloroethane, 1,1-	SNL0094317	LWDS-MW1	0	24-AUG-94	8260	0.001	U	0.001	TB
Dichloroethane, 1,1-	SNL0094348	LWDS-MW1	0	24-AUG-94	8260	0.005	U	0.005	TB
Dichloroethane, 1,1-	SNL0094376	LWDS-MW1	0	07-OCT-94	8010	0.001	U	0.001	EB
Dichloroethane, 1,1-	SNL0094377	LWDS-MW1	0	07-OCT-94	8010	0.001	U	0.001	EB
Dichloroethane, 1,1-	SNL0094378	LWDS-MW1	0	07-OCT-94	8010	0.001	U	0.001	EB
Dichloroethane, 1,1-	SNL0094379	LWDS-MW1	0	07-OCT-94	8010	0.001	U	0.001	TB
Dichloroethane, 1,1-	SNL0094386	LWDS-MW1	0	30-NOV-94	8010	0.001	U	0.001	TB
Dichloroethane, 1,1-	SNL0094411	LWDS-MW2	0	06-JUN-94	8260	0.001	U	0.001	TB
Dichloroethane, 1,1-	SNL0094412	LWDS-MW2	0	30-NOV-94	8010	0.001	U	0.001	TB
Dichloroethane, 1,1-	SNL0094413	LWDS-MW2	0	07-DEC-94	8010	0.001	U	0.001	EB
Dichloroethane, 1,1-	SNL0094465	LWDS-MW1	0	18-MAR-96	8010	0.5	U	0.5	TB
Dichloroethane, 1,1-	SNL0094521	LWDS-MW2	0	21-SEP-95	8260	1	U	1	TB
Dichloroethane, 1,1-	SNL0094530	LWDS-MW1	0	25-SEP-95	8260	1	U	1	TB
Dichloroethane, 1,1-	SNL0094531	LWDS-MW1	0	25-SEP-95	8260	1	U	1	FB
Dichloroethane, 1,1-	SNL0094543	LWDS-MW2	0	14-DEC-95	8260	1	U	1	TB
Dichloroethane, 1,1-	SNL0094618	LWDS MW-2	0	27-FEB-95	8240	0.005	U	0.005	TB
Dichloroethane, 1,1-	SNL0094619	LWDS MW-2	0	01-MAR-95	8240	0.005	U	0.005	EB
Dichloroethane, 1,1-	SNL0094667	LWDS MW-1	0	02-MAR-95	8240	0.005	U	0.005	TB
Dichloroethane, 1,1-	SNL0094705	LWDS-MW2	0	12-JUN-95	8010	0.001	U	0.001	TB
Dichloroethane, 1,1-	SNL0094748	LWDS-MW2	0	12-JUN-95	8010	0.001	U	0.001	EB
Dichloroethane, 1,1-	SNL0094760	LWDS-MW1	0	14-JUN-95	8010	0.001	U	0.001	TB
Dichloroethane, 1,1-	SNL0099096	LWDS-MW2	0	24-JUN-93	8240	0.005	U	0.005	EB
Dichloroethane, 1,1-	SNL0099097	LWDS-MW2	0	24-JUN-93	8240	0.005	U	0.005	TB
Dichloroethane, 1,1-	SNL0099118	LWDS-MW1-DRUM	0	27-DEC-93	624	0.005	U	0.005	TB
Dichloroethane, 1,1-	031518-001	LWDS-MW1-TB		12-MAR-96	PA-SW846-80	0.13	U	0.13	TB
Dichloroethane, 1,2-	SNL0090027	LWDS-04-BH01	0	08-AUG-92	8240	5	U	5	EB
Dichloroethane, 1,2-	SNL0090029	LWDS-04-BH01	0	08-AUG-92	8240	5	U	5	TB
Dichloroethane, 1,2-	SNL0090030	LWDS-04-BH01	0	09-AUG-92	8240	5	U	5	EB
Dichloroethane, 1,2-	SNL0090032	LWDS-04-BH01	0	09-AUG-92	8240	5	U	5	TB
Dichloroethane, 1,2-	SNL0090053	LWDS-04-BH02	0	10-AUG-92	8240	5	U	5	EB
Dichloroethane, 1,2-	SNL0090055	LWDS-04-BH02	0	10-AUG-92	8240	5	U	5	TB
Dichloroethane, 1,2-	SNL0090162	LWDS-SS	0	16-JUL-92	8240	5	U	5	TB
Dichloroethane, 1,2-	SNL0090163	LWDS-SS	0	16-JUL-92	8240	5	U	5	TB
Dichloroethane, 1,2-	SNL0090416	LWDS-SS	0	16-JUL-92	8240	5	U	5	TB
Dichloroethane, 1,2-	SNL0090595	LWDS-04-BH02	0	11-AUG-92	8240	5	U	5	EB
Dichloroethane, 1,2-	SNL0090597	LWDS-04-BH02	0	11-AUG-92	8240	5	U	5	TB
Dichloroethane, 1,2-	SNL0090622	LWDS-04-BH03	0	12-AUG-92	8240	5	U	5	EB

Table A-13. Trip blank and equipment blank results for ER Sites 4, 5, and 52.

Analyte	Sample Number	Sample Location	Sample Depth (Ft)	Sample Date	Analytical Method	Amount Detected (mg/L)	Qualifier	Method Detection Limit	Sample Type
Dichloroethane, 1,2-	SNL0090624	LWDS-04-BH03	0	12-AUG-92	8240	5	U	5	TB
Dichloroethane, 1,2-	SNL0090737	LWDS-SS	0	17-JUL-92	8240	5	U	5	TB
Dichloroethane, 1,2-	SNL0090934	LWDS-SS	0	17-JUL-92	8240	5	U	5	TB
Dichloroethane, 1,2-	SNL0091118	LWDS-SS	0	20-JUL-92	8240	5	U	5	TB
Dichloroethane, 1,2-	SNL0091157	LWDS-04-BH03	0	13-AUG-92	8240	5	U	5	EB
Dichloroethane, 1,2-	SNL0091171	LWDS-04-BH04	0	18-AUG-92	8240	5	U	5	EB
Dichloroethane, 1,2-	SNL0091174	LWDS-04-BH04	0	18-AUG-92	8240	5	U	5	TB
Dichloroethane, 1,2-	SNL0091191	LWDS-04-BH04	0	19-AUG-92	8240	5	U	5	EB
Dichloroethane, 1,2-	SNL0091193	LWDS-04-BH04	0	19-AUG-92	8240	5	U	5	TB
Dichloroethane, 1,2-	SNL0091242	LWDS-04-BH05	0	20-AUG-92	8240	5	U	5	TB
Dichloroethane, 1,2-	SNL0091256	LWDS-04-BH05	0	20-AUG-92	8240	5	U	5	EB
Dichloroethane, 1,2-	SNL0091257	LWDS-04-BH05	0	20-AUG-92	8240	5	U	5	TB
Dichloroethane, 1,2-	SNL0091272	LWDS-MW1	0	23-AUG-92	8240	5	U	5	EB
Dichloroethane, 1,2-	SNL0091274	LWDS-MW1	0	22-AUG-92	8240	5	U	5	EB
Dichloroethane, 1,2-	SNL0091276	LWDS-MW1	0	22-AUG-92	8240	5	U	5	TB
Dichloroethane, 1,2-	SNL0091291	LWDS-MW1	0	24-AUG-92	8240	5	U	5	EB
Dichloroethane, 1,2-	SNL0091293	LWDS-MW1	0	24-AUG-92	8240	5	U	5	TB
Dichloroethane, 1,2-	SNL0091298	LWDS-MW1	0	25-AUG-92	8240	5	U	5	EB
Dichloroethane, 1,2-	SNL0091300	LWDS-MW1	0	25-AUG-92	8240	5	U	5	TB
Dichloroethane, 1,2-	SNL0091933	LWDS-52-BH06	0	05-SEP-92	8240	5	U	5	EB
Dichloroethane, 1,2-	SNL0091935	LWDS-52-BH06	0	05-SEP-92	8240	5	U	5	TB
Dichloroethane, 1,2-	SNL0091944	LWDS-52-BH08	0	05-SEP-92	8240	5	U	5	EB
Dichloroethane, 1,2-	SNL0092723	LWDS-MW2	0	18-SEP-92	8240	5	U	5	TB
Dichloroethane, 1,2-	SNL0092746	LWDS-MW2	0	21-SEP-92	8240	5	U	5	TB
Dichloroethane, 1,2-	SNL0092791	LWDS-MW2	0	23-SEP-92	8240	5	U	5	EB
Dichloroethane, 1,2-	SNL0092801	LWDS-MW2	0	23-SEP-92	8240	5	U	5	TB
Dichloroethane, 1,2-	SNL0092835	LWDS-MW2	0	24-SEP-92	8240	5	U	5	TB
Dichloroethane, 1,2-	SNL0092847	LWDS-MW2	0	01-OCT-92	8240	5	U	5	TB
Dichloroethane, 1,2-	SNL0092859	LWDS-MW2	0	02-OCT-92	8240	5	U	5	TB
Dichloroethane, 1,2-	SNL0092871	LWDS-MW2	0	08-OCT-92	8240	5	U	5	EB
Dichloroethane, 1,2-	SNL0092881	LWDS-MW2	0	08-OCT-92	8240	5	U	5	TB
Dichloroethane, 1,2-	SNL0092948	LWDS-MW2	0	17-OCT-92	8240	5	U	5	TB
Dichloroethane, 1,2-	SNL0092970	LWDS-MW2	0	21-OCT-92	8240	5	U	5	TB
Dichloroethane, 1,2-	SNL0092989	LWDS-MW1	0	06-APR-93	8240	5	U	5	TB
Dichloroethane, 1,2-	SNL0093002	LWDS-MW1	0	08-APR-93	8240	5	U	5	TB
Dichloroethane, 1,2-	SNL0093003	LWDS-MW1	0	13-APR-93	8240	5	U	5	TB
Dichloroethane, 1,2-	SNL0093013	LWDS-MW1	0	14-APR-93	8240	5	U	5	TB
Dichloroethane, 1,2-	SNL0093035	LWDS-MW1	0	15-APR-93	8240	5	U	5	TB
Dichloroethane, 1,2-	SNL0093045	LWDS-MW1	0	17-APR-93	8240	5	U	5	TB
Dichloroethane, 1,2-	SNL0093082	LWDS-MW1	0	21-APR-93	8240	5	U	5	TB
Dichloroethane, 1,2-	SNL0093092	LWDS-MW1	0	27-APR-93	8240	5	U	5	TB
Dichloroethane, 1,2-	SNL0093105	LWDS-MW1	0	28-APR-93	8240	5	U	5	EB
Dichloroethane, 1,2-	SNL0093114	LWDS-MW1	0	28-APR-93	8240	5	U	5	TB
Dichloroethane, 1,2-	SNL0093124	LWDS-MW1	0	30-APR-93	8240	5	U	5	TB
Dichloroethane, 1,2-	SNL0093135	LWDS-MW1	0	03-MAY-93	8240	5	U	5	TB
Dichloroethane, 1,2-	SNL0093236	LWDS-04-BH09	0	18-MAR-94	8240	5	U	5	EB
Dichloroethane, 1,2-	SNL0093244	LWDS-04-BH09	0	18-MAR-94	8240	5	U	5	TB
Dichloroethane, 1,2-	SNL0093245	LWDS-04-BH09	0	18-MAR-94	8240	5	U	5	TB
Dichloroethane, 1,2-	SNL0093274	LWDS-04-BH10	0	19-MAR-94	8240	5	U	5	EB
Dichloroethane, 1,2-	SNL0093285	LWDS-04-BH10	0	19-MAR-94	8240	5	U	5	TB
Dichloroethane, 1,2-	SNL0093286	LWDS-04-BH10	0	19-MAR-94	8240	5	U	5	TB
Dichloroethane, 1,2-	SNL0093367	LWDS-05-BH13	0	22-MAR-94	8240	5	U	5	EB
Dichloroethane, 1,2-	SNL0093375	LWDS-05-BH13	0	22-MAR-94	8240	5	U	5	TB
Dichloroethane, 1,2-	SNL0093376	LWDS-05-BH13	0	22-MAR-94	8240	5	U	5	TB
Dichloroethane, 1,2-	SNL0093457	LWDS-05-BH12	0	21-MAR-94	8240	5	U	5	EB
Dichloroethane, 1,2-	SNL0093465	LWDS-05-BH12	0	21-MAR-94	8240	5	U	5	TB
Dichloroethane, 1,2-	SNL0093466	LWDS-05-BH12	0	21-MAR-94	8240	5	U	5	TB
Dichloroethane, 1,2-	SNL0093572	LWDS-05-BH11	0	20-MAR-94	8240	5	U	5	TB
Dichloroethane, 1,2-	SNL0093573	LWDS-05-BH11	0	20-MAR-94	8240	5	U	5	TB
Dichloroethane, 1,2-	SNL0093574	LWDS-05-BH11	0	20-MAR-94	8240	5	U	5	EB
Dichloroethane, 1,2-	SNL0093614	LWDS-52-BH16	0	24-MAR-94	8240	5	U	5	EB
Dichloroethane, 1,2-	SNL0093622	LWDS-52-BH16	0	24-MAR-94	8240	5	U	5	TB
Dichloroethane, 1,2-	SNL0093646	LWDS-05-BH14	0	23-MAR-94	8240	5	U	5	EB
Dichloroethane, 1,2-	SNL0093654	LWDS-05-BH14	0	23-MAR-94	8240	5	U	5	TB
Dichloroethane, 1,2-	SNL0093655	LWDS-05-BH14	0	23-MAR-94	8240	5	U	5	TB
Dichloroethane, 1,2-	SNL0093705	LWDS-52-BH15	0	23-MAR-94	8240	5	U	5	EB
Dichloroethane, 1,2-	SNL0094080	LWDS-MW1	0	10-MAR-94	8240	0.005	U	0.005	TB
Dichloroethane, 1,2-	SNL0094280	LWDS-MW1	0	31-MAY-94	8260	0.001	U	0.001	TB

Table A-13. Trip blank and equipment blank results for ER Sites 4, 5, and 52.

Analyte	Sample Number	Sample Location	Sample Depth (Ft)	Sample Date	Analytical Method	Amount Detected (mg/L)	Qualifier	Method Detection Limit	Sample Type
Dichloroethane, 1,2-	SNL0094281	LWDS-MW1	0	06-JUN-94	8260	0.001	U	0.001	EB
Dichloroethane, 1,2-	SNL0094298	LWDS-MW1	0	31-MAY-94	8260	0.001	U	0.001	TB
Dichloroethane, 1,2-	SNL0094302	LWDS-MW1	0	31-AUG-94	8260	0.001	U	0.001	EB
Dichloroethane, 1,2-	SNL0094317	LWDS-MW1	0	24-AUG-94	8260	0.001	U	0.001	TB
Dichloroethane, 1,2-	SNL0094348	LWDS-MW1	0	24-AUG-94	8260	0.005	U	0.005	TB
Dichloroethane, 1,2-	SNL0094376	LWDS-MW1	0	07-OCT-94	8010	0.001	U	0.001	EB
Dichloroethane, 1,2-	SNL0094377	LWDS-MW1	0	07-OCT-94	8010	0.001	U	0.001	EB
Dichloroethane, 1,2-	SNL0094378	LWDS-MW1	0	07-OCT-94	8010	0.001	U	0.001	EB
Dichloroethane, 1,2-	SNL0094379	LWDS-MW1	0	07-OCT-94	8010	0.001	U	0.001	TB
Dichloroethane, 1,2-	SNL0094386	LWDS-MW1	0	30-NOV-94	8010	0.001	U	0.001	TB
Dichloroethane, 1,2-	SNL0094411	LWDS-MW2	0	06-JUN-94	8260	0.001	U	0.001	TB
Dichloroethane, 1,2-	SNL0094412	LWDS-MW2	0	30-NOV-94	8010	0.001	U	0.001	TB
Dichloroethane, 1,2-	SNL0094413	LWDS-MW2	0	07-DEC-94	8010	0.001	U	0.001	EB
Dichloroethane, 1,2-	SNL0094465	LWDS-MW1	0	18-MAR-96	8010	1	U	1	TB
Dichloroethane, 1,2-	SNL0094521	LWDS-MW2	0	21-SEP-95	8260	1	U	1	TB
Dichloroethane, 1,2-	SNL0094530	LWDS-MW1	0	25-SEP-95	8260	1	U	1	TB
Dichloroethane, 1,2-	SNL0094531	LWDS-MW1	0	25-SEP-95	8260	1	U	1	FB
Dichloroethane, 1,2-	SNL0094543	LWDS-MW2	0	14-DEC-95	8260	1	U	1	TB
Dichloroethane, 1,2-	SNL0094618	LWDS MW-2	0	27-FEB-95	8240	0.005	U	0.005	TB
Dichloroethane, 1,2-	SNL0094619	LWDS MW-2	0	01-MAR-95	8240	0.005	U	0.005	EB
Dichloroethane, 1,2-	SNL0094667	LWDS MW-1	0	02-MAR-95	8240	0.005	U	0.005	TB
Dichloroethane, 1,2-	SNL0094705	LWDS-MW2	0	12-JUN-95	8010	0.001	U	0.001	TB
Dichloroethane, 1,2-	SNL0094748	LWDS-MW2	0	12-JUN-95	8010	0.001	U	0.001	EB
Dichloroethane, 1,2-	SNL0094760	LWDS-MW1	0	14-JUN-95	8010	0.001	U	0.001	TB
Dichloroethane, 1,2-	SNL0099096	LWDS-MW2	0	24-JUN-93	8240	0.005	U	0.005	EB
Dichloroethane, 1,2-	SNL0099097	LWDS-MW2	0	24-JUN-93	8240	0.005	U	0.005	TB
Dichloroethane, 1,2-	SNL0099118	LWDS-MW1-DRUM	0	27-DEC-93	624	0.005	U	0.005	TB
Dichloroethane, 1,2-	031518-001	LWDS-MW1-TB		12-MAR-96	PA-SW846-801	0.1	U	0.1	TB
Dichloroethene, 1,1-	SNL0090027	LWDS-04-BH01	0	08-AUG-92	8240	5	U	5	EB
Dichloroethene, 1,1-	SNL0090029	LWDS-04-BH01	0	08-AUG-92	8240	5	U	5	TB
Dichloroethene, 1,1-	SNL0090030	LWDS-04-BH01	0	09-AUG-92	8240	5	U	5	EB
Dichloroethene, 1,1-	SNL0090032	LWDS-04-BH01	0	09-AUG-92	8240	5	U	5	TB
Dichloroethene, 1,1-	SNL0090053	LWDS-04-BH02	0	10-AUG-92	8240	5	U	5	EB
Dichloroethene, 1,1-	SNL0090055	LWDS-04-BH02	0	10-AUG-92	8240	5	U	5	TB
Dichloroethene, 1,1-	SNL0090162	LWDS-SS	0	16-JUL-92	8240	5	U	5	TB
Dichloroethene, 1,1-	SNL0090163	LWDS-SS	0	16-JUL-92	8240	5	U	5	TB
Dichloroethene, 1,1-	SNL0090416	LWDS-SS	0	16-JUL-92	8240	5	U	5	TB
Dichloroethene, 1,1-	SNL0090595	LWDS-04-BH02	0	11-AUG-92	8240	5	U	5	EB
Dichloroethene, 1,1-	SNL0090597	LWDS-04-BH02	0	11-AUG-92	8240	5	U	5	TB
Dichloroethene, 1,1-	SNL0090622	LWDS-04-BH03	0	12-AUG-92	8240	5	U	5	EB
Dichloroethene, 1,1-	SNL0090624	LWDS-04-BH03	0	12-AUG-92	8240	5	U	5	TB
Dichloroethene, 1,1-	SNL0090737	LWDS-SS	0	17-JUL-92	8240	5	U	5	TB
Dichloroethene, 1,1-	SNL0090934	LWDS-SS	0	17-JUL-92	8240	5	U	5	TB
Dichloroethene, 1,1-	SNL0091118	LWDS-SS	0	20-JUL-92	8240	5	U	5	TB
Dichloroethene, 1,1-	SNL0091157	LWDS-04-BH03	0	13-AUG-92	8240	5	U	5	EB
Dichloroethene, 1,1-	SNL0091171	LWDS-04-BH04	0	18-AUG-92	8240	5	U	5	EB
Dichloroethene, 1,1-	SNL0091174	LWDS-04-BH04	0	18-AUG-92	8240	5	U	5	TB
Dichloroethene, 1,1-	SNL0091191	LWDS-04-BH04	0	19-AUG-92	8240	5	U	5	EB
Dichloroethene, 1,1-	SNL0091193	LWDS-04-BH04	0	19-AUG-92	8240	5	U	5	TB
Dichloroethene, 1,1-	SNL0091242	LWDS-04-BH05	0	20-AUG-92	8240	5	U	5	TB
Dichloroethene, 1,1-	SNL0091256	LWDS-04-BH05	0	20-AUG-92	8240	5	U	5	EB
Dichloroethene, 1,1-	SNL0091257	LWDS-04-BH05	0	20-AUG-92	8240	5	U	5	TB
Dichloroethene, 1,1-	SNL0091272	LWDS-MW1	0	23-AUG-92	8240	5	U	5	EB
Dichloroethene, 1,1-	SNL0091274	LWDS-MW1	0	22-AUG-92	8240	5	U	5	EB
Dichloroethene, 1,1-	SNL0091276	LWDS-MW1	0	22-AUG-92	8240	5	U	5	TB
Dichloroethene, 1,1-	SNL0091291	LWDS-MW1	0	24-AUG-92	8240	5	U	5	EB
Dichloroethene, 1,1-	SNL0091293	LWDS-MW1	0	24-AUG-92	8240	5	U	5	TB
Dichloroethene, 1,1-	SNL0091298	LWDS-MW1	0	25-AUG-92	8240	5	U	5	EB
Dichloroethene, 1,1-	SNL0091300	LWDS-MW1	0	25-AUG-92	8240	5	U	5	TB
Dichloroethene, 1,1-	SNL0091933	LWDS-52-BH06	0	05-SEP-92	8240	5	U	5	EB
Dichloroethene, 1,1-	SNL0091935	LWDS-52-BH06	0	05-SEP-92	8240	5	U	5	TB
Dichloroethene, 1,1-	SNL0091944	LWDS-52-BH08	0	05-SEP-92	8240	5	U	5	EB
Dichloroethene, 1,1-	SNL0092723	LWDS-MW2	0	18-SEP-92	8240	5	U	5	TB
Dichloroethene, 1,1-	SNL0092746	LWDS-MW2	0	21-SEP-92	8240	5	U	5	TB
Dichloroethene, 1,1-	SNL0092791	LWDS-MW2	0	23-SEP-92	8240	5	U	5	EB
Dichloroethene, 1,1-	SNL0092801	LWDS-MW2	0	23-SEP-92	8240	5	U	5	TB
Dichloroethene, 1,1-	SNL0092835	LWDS-MW2	0	24-SEP-92	8240	5	U	5	TB
Dichloroethene, 1,1-	SNL0092847	LWDS-MW2	0	01-OCT-92	8240	5	U	5	TB

Table A-13. Trip blank and equipment blank results for ER Sites 4, 5, and 52.

Analyte	Sample Number	Sample Location	Sample Depth (Ft)	Sample Date	Analytical Method	Amount Detected (mg/L)	Qualifier	Method Detection Limit	Sample Type
Dichloroethene, 1,1-	SNL0092859	LWDS-MW2	0	02-OCT-92	8240	5	U	5	TB
Dichloroethene, 1,1-	SNL0092871	LWDS-MW2	0	08-OCT-92	8240	5	U	5	EB
Dichloroethene, 1,1-	SNL0092881	LWDS-MW2	0	08-OCT-92	8240	5	U	5	TB
Dichloroethene, 1,1-	SNL0092948	LWDS-MW2	0	17-OCT-92	8240	5	U	5	TB
Dichloroethene, 1,1-	SNL0092970	LWDS-MW2	0	21-OCT-92	8240	5	U	5	TB
Dichloroethene, 1,1-	SNL0092989	LWDS-MW1	0	06-APR-93	8240	5	U	5	TB
Dichloroethene, 1,1-	SNL0093002	LWDS-MW1	0	08-APR-93	8240	5	U	5	TB
Dichloroethene, 1,1-	SNL0093003	LWDS-MW1	0	13-APR-93	8240	5	U	5	TB
Dichloroethene, 1,1-	SNL0093013	LWDS-MW1	0	14-APR-93	8240	5	U	5	TB
Dichloroethene, 1,1-	SNL0093035	LWDS-MW1	0	15-APR-93	8240	5	U	5	TB
Dichloroethene, 1,1-	SNL0093045	LWDS-MW1	0	17-APR-93	8240	5	U	5	TB
Dichloroethene, 1,1-	SNL0093082	LWDS-MW1	0	21-APR-93	8240	5	U	5	TB
Dichloroethene, 1,1-	SNL0093092	LWDS-MW1	0	27-APR-93	8240	5	U	5	TB
Dichloroethene, 1,1-	SNL0093105	LWDS-MW1	0	28-APR-93	8240	5	U	5	EB
Dichloroethene, 1,1-	SNL0093114	LWDS-MW1	0	28-APR-93	8240	5	U	5	TB
Dichloroethene, 1,1-	SNL0093124	LWDS-MW1	0	30-APR-93	8240	5	U	5	TB
Dichloroethene, 1,1-	SNL0093135	LWDS-MW1	0	03-MAY-93	8240	5	U	5	TB
Dichloroethene, 1,1-	SNL0093236	LWDS-04-BH09	0	18-MAR-94	8240	5	U	5	EB
Dichloroethene, 1,1-	SNL0093244	LWDS-04-BH09	0	18-MAR-94	8240	5	U	5	TB
Dichloroethene, 1,1-	SNL0093245	LWDS-04-BH09	0	18-MAR-94	8240	5	U	5	TB
Dichloroethene, 1,1-	SNL0093274	LWDS-04-BH10	0	19-MAR-94	8240	5	U	5	EB
Dichloroethene, 1,1-	SNL0093285	LWDS-04-BH10	0	19-MAR-94	8240	5	U	5	TB
Dichloroethene, 1,1-	SNL0093286	LWDS-04-BH10	0	19-MAR-94	8240	5	U	5	TB
Dichloroethene, 1,1-	SNL0093367	LWDS-05-BH13	0	22-MAR-94	8240	5	U	5	EB
Dichloroethene, 1,1-	SNL0093375	LWDS-05-BH13	0	22-MAR-94	8240	5	U	5	TB
Dichloroethene, 1,1-	SNL0093376	LWDS-05-BH13	0	22-MAR-94	8240	5	U	5	TB
Dichloroethene, 1,1-	SNL0093457	LWDS-05-BH12	0	21-MAR-94	8240	5	U	5	EB
Dichloroethene, 1,1-	SNL0093465	LWDS-05-BH12	0	21-MAR-94	8240	5	U	5	TB
Dichloroethene, 1,1-	SNL0093466	LWDS-05-BH12	0	21-MAR-94	8240	5	U	5	TB
Dichloroethene, 1,1-	SNL0093572	LWDS-05-BH11	0	20-MAR-94	8240	5	U	5	TB
Dichloroethene, 1,1-	SNL0093573	LWDS-05-BH11	0	20-MAR-94	8240	5	U	5	TB
Dichloroethene, 1,1-	SNL0093574	LWDS-05-BH11	0	20-MAR-94	8240	5	U	5	EB
Dichloroethene, 1,1-	SNL0093614	LWDS-52-BH16	0	24-MAR-94	8240	5	U	5	EB
Dichloroethene, 1,1-	SNL0093622	LWDS-52-BH16	0	24-MAR-94	8240	5	U	5	TB
Dichloroethene, 1,1-	SNL0093646	LWDS-05-BH14	0	23-MAR-94	8240	5	U	5	EB
Dichloroethene, 1,1-	SNL0093654	LWDS-05-BH14	0	23-MAR-94	8240	5	U	5	TB
Dichloroethene, 1,1-	SNL0093655	LWDS-05-BH14	0	23-MAR-94	8240	5	U	5	TB
Dichloroethene, 1,1-	SNL0093705	LWDS-52-BH15	0	23-MAR-94	8240	5	U	5	EB
Dichloroethene, 1,1-	SNL0094080	LWDS-MW1	0	10-MAR-94	8240	0.005	U	0.005	TB
Dichloroethene, 1,1-	SNL0094280	LWDS-MW1	0	31-MAY-94	8260	0.001	U	0.001	TB
Dichloroethene, 1,1-	SNL0094281	LWDS-MW1	0	06-JUN-94	8260	0.001	U	0.001	EB
Dichloroethene, 1,1-	SNL0094298	LWDS-MW1	0	31-MAY-94	8260	0.001	U	0.001	TB
Dichloroethene, 1,1-	SNL0094302	LWDS-MW1	0	31-AUG-94	8260	0.001	U	0.001	EB
Dichloroethene, 1,1-	SNL0094317	LWDS-MW1	0	24-AUG-94	8260	0.001	U	0.001	TB
Dichloroethene, 1,1-	SNL0094348	LWDS-MW1	0	24-AUG-94	8260	0.005	U	0.005	TB
Dichloroethene, 1,1-	SNL0094376	LWDS-MW1	0	07-OCT-94	8010	0.001	U	0.001	EB
Dichloroethene, 1,1-	SNL0094377	LWDS-MW1	0	07-OCT-94	8010	0.001	U	0.001	EB
Dichloroethene, 1,1-	SNL0094378	LWDS-MW1	0	07-OCT-94	8010	0.001	U	0.001	EB
Dichloroethene, 1,1-	SNL0094379	LWDS-MW1	0	07-OCT-94	8010	0.001	U	0.001	TB
Dichloroethene, 1,1-	SNL0094386	LWDS-MW1	0	30-NOV-94	8010	0.001	U	0.001	TB
Dichloroethene, 1,1-	SNL0094411	LWDS-MW2	0	06-JUN-94	8260	0.001	U	0.001	TB
Dichloroethene, 1,1-	SNL0094412	LWDS-MW2	0	30-NOV-94	8010	0.001	U	0.001	TB
Dichloroethene, 1,1-	SNL0094413	LWDS-MW2	0	07-DEC-94	8010	0.001	U	0.001	EB
Dichloroethene, 1,1-	SNL0094465	LWDS-MW1	0	18-MAR-96	8010	0.5	U	0.5	TB
Dichloroethene, 1,1-	SNL0094521	LWDS-MW2	0	21-SEP-95	8260	1	U	1	TB
Dichloroethene, 1,1-	SNL0094530	LWDS-MW1	0	25-SEP-95	8260	1	U	1	TB
Dichloroethene, 1,1-	SNL0094531	LWDS-MW1	0	25-SEP-95	8260	1	U	1	FB
Dichloroethene, 1,1-	SNL0094543	LWDS-MW2	0	14-DEC-95	8260	1	U	1	TB
Dichloroethene, 1,1-	SNL0094618	LWDS MW-2	0	27-FEB-95	8240	0.005	U	0.005	TB
Dichloroethene, 1,1-	SNL0094619	LWDS MW-2	0	01-MAR-95	8240	0.005	U	0.005	EB
Dichloroethene, 1,1-	SNL0094667	LWDS MW-1	0	02-MAR-95	8240	0.005	U	0.005	TB
Dichloroethene, 1,1-	SNL0094705	LWDS-MW2	0	12-JUN-95	8010	0.001	U	0.001	TB
Dichloroethene, 1,1-	SNL0094748	LWDS-MW2	0	12-JUN-95	8010	0.003		0.001	EB
Dichloroethene, 1,1-	SNL0094760	LWDS-MW1	0	14-JUN-95	8010	0.003		0.001	TB
Dichloroethene, 1,1-	SNL0099096	LWDS-MW2	0	24-JUN-93	8240	0.005	U	0.005	EB
Dichloroethene, 1,1-	SNL0099097	LWDS-MW2	0	24-JUN-93	8240	0.005	U	0.005	TB
Dichloroethene, 1,1-	SNL0099118	LWDS-MW1-DRUM	0	27-DEC-93	624	0.005	U	0.005	TB
Dichloroethene, 1,1-	031518-001	LWDS-MW1-TB		12-MAR-96	PA-SW846-80	0.21	U	0.21	TB

Table A-13. Trip blank and equipment blank results for ER Sites 4, 5, and 52.

Analyte	Sample Number	Sample Location	Sample Depth (Ft)	Sample Date	Analytical Method	Amount Detected (mg/L)	Qualifier	Method Detection Limit	Sample Type
Dichloroethene, 1,2-	SNL0090027	LWDS-04-BH01	0	08-AUG-92	8240	5	U	5	EB
Dichloroethene, 1,2-	SNL0090029	LWDS-04-BH01	0	08-AUG-92	8240	5	U	5	TB
Dichloroethene, 1,2-	SNL0090030	LWDS-04-BH01	0	09-AUG-92	8240	5	U	5	EB
Dichloroethene, 1,2-	SNL0090032	LWDS-04-BH01	0	09-AUG-92	8240	5	U	5	TB
Dichloroethene, 1,2-	SNL0090053	LWDS-04-BH02	0	10-AUG-92	8240	5	U	5	EB
Dichloroethene, 1,2-	SNL0090055	LWDS-04-BH02	0	10-AUG-92	8240	5	U	5	TB
Dichloroethene, 1,2-	SNL0090162	LWDS-SS	0	16-JUL-92	8240	5	U	5	TB
Dichloroethene, 1,2-	SNL0090163	LWDS-SS	0	16-JUL-92	8240	5	U	5	TB
Dichloroethene, 1,2-	SNL0090416	LWDS-SS	0	16-JUL-92	8240	5	U	5	TB
Dichloroethene, 1,2-	SNL0090595	LWDS-04-BH02	0	11-AUG-92	8240	5	U	5	EB
Dichloroethene, 1,2-	SNL0090597	LWDS-04-BH02	0	11-AUG-92	8240	5	U	5	TB
Dichloroethene, 1,2-	SNL0090622	LWDS-04-BH03	0	12-AUG-92	8240	5	U	5	EB
Dichloroethene, 1,2-	SNL0090624	LWDS-04-BH03	0	12-AUG-92	8240	5	U	5	TB
Dichloroethene, 1,2-	SNL0090737	LWDS-SS	0	17-JUL-92	8240	5	U	5	TB
Dichloroethene, 1,2-	SNL0090934	LWDS-SS	0	17-JUL-92	8240	5	U	5	TB
Dichloroethene, 1,2-	SNL0091118	LWDS-SS	0	20-JUL-92	8240	5	U	5	TB
Dichloroethene, 1,2-	SNL0091157	LWDS-04-BH03	0	13-AUG-92	8240	5	U	5	EB
Dichloroethene, 1,2-	SNL0091171	LWDS-04-BH04	0	18-AUG-92	8240	5	U	5	EB
Dichloroethene, 1,2-	SNL0091174	LWDS-04-BH04	0	18-AUG-92	8240	5	U	5	TB
Dichloroethene, 1,2-	SNL0091191	LWDS-04-BH04	0	19-AUG-92	8240	5	U	5	EB
Dichloroethene, 1,2-	SNL0091193	LWDS-04-BH04	0	19-AUG-92	8240	5	U	5	TB
Dichloroethene, 1,2-	SNL0091242	LWDS-04-BH05	0	20-AUG-92	8240	5	U	5	TB
Dichloroethene, 1,2-	SNL0091256	LWDS-04-BH05	0	20-AUG-92	8240	5	U	5	EB
Dichloroethene, 1,2-	SNL0091257	LWDS-04-BH05	0	20-AUG-92	8240	5	U	5	TB
Dichloroethene, 1,2-	SNL0091272	LWDS-MW1	0	23-AUG-92	8240	5	U	5	EB
Dichloroethene, 1,2-	SNL0091274	LWDS-MW1	0	22-AUG-92	8240	5	U	5	EB
Dichloroethene, 1,2-	SNL0091276	LWDS-MW1	0	22-AUG-92	8240	5	U	5	TB
Dichloroethene, 1,2-	SNL0091291	LWDS-MW1	0	24-AUG-92	8240	5	U	5	EB
Dichloroethene, 1,2-	SNL0091293	LWDS-MW1	0	24-AUG-92	8240	5	U	5	TB
Dichloroethene, 1,2-	SNL0091298	LWDS-MW1	0	25-AUG-92	8240	5	U	5	EB
Dichloroethene, 1,2-	SNL0091300	LWDS-MW1	0	25-AUG-92	8240	5	U	5	TB
Dichloroethene, 1,2-	SNL0091933	LWDS-52-BH06	0	05-SEP-92	8240	5	U	5	EB
Dichloroethene, 1,2-	SNL0091935	LWDS-52-BH06	0	05-SEP-92	8240	5	U	5	TB
Dichloroethene, 1,2-	SNL0091944	LWDS-52-BH08	0	05-SEP-92	8240	5	U	5	EB
Dichloroethene, 1,2-	SNL0092723	LWDS-MW2	0	18-SEP-92	8240	5	U	5	TB
Dichloroethene, 1,2-	SNL0092746	LWDS-MW2	0	21-SEP-92	8240	5	U	5	TB
Dichloroethene, 1,2-	SNL0092791	LWDS-MW2	0	23-SEP-92	8240	5	U	5	EB
Dichloroethene, 1,2-	SNL0092801	LWDS-MW2	0	23-SEP-92	8240	5	U	5	TB
Dichloroethene, 1,2-	SNL0092835	LWDS-MW2	0	24-SEP-92	8240	5	U	5	TB
Dichloroethene, 1,2-	SNL0092847	LWDS-MW2	0	01-OCT-92	8240	5	U	5	TB
Dichloroethene, 1,2-	SNL0092859	LWDS-MW2	0	02-OCT-92	8240	5	U	5	TB
Dichloroethene, 1,2-	SNL0092871	LWDS-MW2	0	08-OCT-92	8240	5	U	5	EB
Dichloroethene, 1,2-	SNL0092881	LWDS-MW2	0	08-OCT-92	8240	5	U	5	TB
Dichloroethene, 1,2-	SNL0092948	LWDS-MW2	0	17-OCT-92	8240	5	U	5	TB
Dichloroethene, 1,2-	SNL0092970	LWDS-MW2	0	21-OCT-92	8240	5	U	5	TB
Dichloroethene, 1,2-	SNL0092989	LWDS-MW1	0	06-APR-93	8240	5	U	5	TB
Dichloroethene, 1,2-	SNL0093002	LWDS-MW1	0	08-APR-93	8240	5	U	5	TB
Dichloroethene, 1,2-	SNL0093003	LWDS-MW1	0	13-APR-93	8240	5	U	5	TB
Dichloroethene, 1,2-	SNL0093013	LWDS-MW1	0	14-APR-93	8240	5	U	5	TB
Dichloroethene, 1,2-	SNL0093035	LWDS-MW1	0	15-APR-93	8240	5	U	5	TB
Dichloroethene, 1,2-	SNL0093045	LWDS-MW1	0	17-APR-93	8240	5	U	5	TB
Dichloroethene, 1,2-	SNL0093082	LWDS-MW1	0	21-APR-93	8240	5	U	5	TB
Dichloroethene, 1,2-	SNL0093092	LWDS-MW1	0	27-APR-93	8240	5	U	5	TB
Dichloroethene, 1,2-	SNL0093105	LWDS-MW1	0	28-APR-93	8240	5	U	5	EB
Dichloroethene, 1,2-	SNL0093114	LWDS-MW1	0	28-APR-93	8240	5	U	5	TB
Dichloroethene, 1,2-	SNL0093124	LWDS-MW1	0	30-APR-93	8240	5	U	5	TB
Dichloroethene, 1,2-	SNL0093135	LWDS-MW1	0	03-MAY-93	8240	5	U	5	TB
Dichloroethene, 1,2-	SNL0093236	LWDS-04-BH09	0	18-MAR-94	8240	5	U	5	EB
Dichloroethene, 1,2-	SNL0093244	LWDS-04-BH09	0	18-MAR-94	8240	5	U	5	TB
Dichloroethene, 1,2-	SNL0093245	LWDS-04-BH09	0	18-MAR-94	8240	5	U	5	TB
Dichloroethene, 1,2-	SNL0093274	LWDS-04-BH10	0	19-MAR-94	8240	5	U	5	EB
Dichloroethene, 1,2-	SNL0093285	LWDS-04-BH10	0	19-MAR-94	8240	5	U	5	TB
Dichloroethene, 1,2-	SNL0093286	LWDS-04-BH10	0	19-MAR-94	8240	5	U	5	TB
Dichloroethene, 1,2-	SNL0093367	LWDS-05-BH13	0	22-MAR-94	8240	5	U	5	EB
Dichloroethene, 1,2-	SNL0093375	LWDS-05-BH13	0	22-MAR-94	8240	5	U	5	TB
Dichloroethene, 1,2-	SNL0093376	LWDS-05-BH13	0	22-MAR-94	8240	5	U	5	TB
Dichloroethene, 1,2-	SNL0093457	LWDS-05-BH12	0	21-MAR-94	8240	5	U	5	EB
Dichloroethene, 1,2-	SNL0093465	LWDS-05-BH12	0	21-MAR-94	8240	5	U	5	TB

Table A-13. Trip blank and equipment blank results for ER Sites 4, 5, and 52.

Analyte	Sample Number	Sample Location	Sample Depth (Ft)	Sample Date	Analytical Method	Amount Detected (mg/L)	Qualifier	Method Detection Limit	Sample Type
Dichloroethene, 1,2-	SNL0093466	LWDS-05-BH12	0	21-MAR-94	8240	5	U	5	TB
Dichloroethene, 1,2-	SNL0093572	LWDS-05-BH11	0	20-MAR-94	8240	5	U	5	TB
Dichloroethene, 1,2-	SNL0093573	LWDS-05-BH11	0	20-MAR-94	8240	5	U	5	TB
Dichloroethene, 1,2-	SNL0093574	LWDS-05-BH11	0	20-MAR-94	8240	5	U	5	EB
Dichloroethene, 1,2-	SNL0093614	LWDS-52-BH16	0	24-MAR-94	8240	5	U	5	EB
Dichloroethene, 1,2-	SNL0093622	LWDS-52-BH16	0	24-MAR-94	8240	5	U	5	TB
Dichloroethene, 1,2-	SNL0093646	LWDS-05-BH14	0	23-MAR-94	8240	5	U	5	EB
Dichloroethene, 1,2-	SNL0093654	LWDS-05-BH14	0	23-MAR-94	8240	5	U	5	TB
Dichloroethene, 1,2-	SNL0093655	LWDS-05-BH14	0	23-MAR-94	8240	5	U	5	TB
Dichloroethene, 1,2-	SNL0093705	LWDS-52-BH15	0	23-MAR-94	8240	5	U	5	EB
Dichloroethene, 1,2-	SNL0094080	LWDS-MW1	0	10-MAR-94	8240	0.005	U	0.005	TB
Dichloroethene, 1,2-	SNL0094280	LWDS-MW1	0	31-MAY-94	8260	0.001	U	0.001	TB
Dichloroethene, 1,2-	SNL0094281	LWDS-MW1	0	06-JUN-94	8260	0.001	U	0.001	EB
Dichloroethene, 1,2-	SNL0094298	LWDS-MW1	0	31-MAY-94	8260	0.001	U	0.001	TB
Dichloroethene, 1,2-	SNL0094302	LWDS-MW1	0	31-AUG-94	8260	0.001	U	0.001	EB
Dichloroethene, 1,2-	SNL0094317	LWDS-MW1	0	24-AUG-94	8260	0.001	U	0.001	TB
Dichloroethene, 1,2-	SNL0094348	LWDS-MW1	0	24-AUG-94	8260	0.005	U	0.005	TB
Dichloroethene, 1,2-	SNL0094411	LWDS-MW2	0	06-JUN-94	8260	0.001	U	0.001	TB
Dichloroethene, 1,2-	SNL0094618	LWDS MW-2	0	27-FEB-95	8240	0.005	U	0.005	TB
Dichloroethene, 1,2-	SNL0094619	LWDS MW-2	0	01-MAR-95	8240	0.005	U	0.005	EB
Dichloroethene, 1,2-	SNL0094667	LWDS MW-1	0	02-MAR-95	8240	0.005	U	0.005	TB
Dichloroethene, 1,2-	SNL0099096	LWDS-MW2	0	24-JUN-93	8240	0.005	U	0.005	EB
Dichloroethene, 1,2-	SNL0099097	LWDS-MW2	0	24-JUN-93	8240	0.005	U	0.005	TB
Dichloroethene, 1,2-	SNL0099118	LWDS-MW1-DRUM	0	27-DEC-93	624	0.005	U	0.005	TB
Dichloroethene, cis-1,2-	SNL0094376	LWDS-MW1	0	07-OCT-94	8010	0.001	U	0.001	EB
Dichloroethene, cis-1,2-	SNL0094377	LWDS-MW1	0	07-OCT-94	8010	0.003		0.001	EB
Dichloroethene, cis-1,2-	SNL0094378	LWDS-MW1	0	07-OCT-94	8010	0.002		0.001	EB
Dichloroethene, cis-1,2-	SNL0094379	LWDS-MW1	0	07-OCT-94	8010	0.001	U	0.001	TB
Dichloroethene, cis-1,2-	SNL0094386	LWDS-MW1	0	30-NOV-94	8010	0.001	U	0.001	TB
Dichloroethene, cis-1,2-	SNL0094412	LWDS-MW2	0	30-NOV-94	8010	0.001	U	0.001	TB
Dichloroethene, cis-1,2-	SNL0094413	LWDS-MW2	0	07-DEC-94	8010	0.001	U	0.001	EB
Dichloroethene, cis-1,2-	SNL0094705	LWDS-MW2	0	12-JUN-95	8010	0.001	U	0.001	TB
Dichloroethene, cis-1,2-	SNL0094748	LWDS-MW2	0	12-JUN-95	8010	0.001	U	0.001	EB
Dichloroethene, cis-1,2-	SNL0094760	LWDS-MW1	0	14-JUN-95	8010	0.001	U	0.001	TB
Dichloroethene, trans-1,2	SNL0094376	LWDS-MW1	0	07-OCT-94	8010	0.001	U	0.001	EB
Dichloroethene, trans-1,2	SNL0094377	LWDS-MW1	0	07-OCT-94	8010	0.001	U	0.001	EB
Dichloroethene, trans-1,2	SNL0094378	LWDS-MW1	0	07-OCT-94	8010	0.001	U	0.001	EB
Dichloroethene, trans-1,2	SNL0094379	LWDS-MW1	0	07-OCT-94	8010	0.001	U	0.001	TB
Dichloroethene, trans-1,2	SNL0094386	LWDS-MW1	0	30-NOV-94	8010	0.001	U	0.001	TB
Dichloroethene, trans-1,2	SNL0094412	LWDS-MW2	0	30-NOV-94	8010	0.001	U	0.001	TB
Dichloroethene, trans-1,2	SNL0094413	LWDS-MW2	0	07-DEC-94	8010	0.001	U	0.001	EB
Dichloroethene, trans-1,2	SNL0094465	LWDS-MW1	0	18-MAR-96	8010	0.5	U	0.5	TB
Dichloroethene, trans-1,2	SNL0094521	LWDS-MW2	0	21-SEP-95	8260	1	U	1	TB
Dichloroethene, trans-1,2	SNL0094530	LWDS-MW1	0	25-SEP-95	8260	1	U	1	TB
Dichloroethene, trans-1,2	SNL0094531	LWDS-MW1	0	25-SEP-95	8260	1	U	1	FB
Dichloroethene, trans-1,2	SNL0094543	LWDS-MW2	0	14-DEC-95	8260	1	U	1	TB
Dichloroethene, trans-1,2	SNL0094705	LWDS-MW2	0	12-JUN-95	8010	0.001	U	0.001	TB
Dichloroethene, trans-1,2	SNL0094748	LWDS-MW2	0	12-JUN-95	8010	0.001	U	0.001	EB
Dichloroethene, trans-1,2	SNL0094760	LWDS-MW1	0	14-JUN-95	8010	0.001	U	0.001	TB
Dichloroethene, trans-1,2	031518-001	LWDS-MW1-TB		12-MAR-96	PA-SW846-80	0.12	U	0.12	TB
romethane-methylene cl	SNL0090027	LWDS-04-BH01	0	08-AUG-92	8240	5	U	5	EB
romethane-methylene cl	SNL0090029	LWDS-04-BH01	0	08-AUG-92	8240	5	U	5	TB
romethane-methylene cl	SNL0090030	LWDS-04-BH01	0	09-AUG-92	8240	5	U	5	EB
romethane-methylene cl	SNL0090032	LWDS-04-BH01	0	09-AUG-92	8240	5	U	5	TB
romethane-methylene cl	SNL0090053	LWDS-04-BH02	0	10-AUG-92	8240	5	U	5	EB
romethane-methylene cl	SNL0090055	LWDS-04-BH02	0	10-AUG-92	8240	5	U	5	TB
romethane-methylene cl	SNL0090162	LWDS-SS	0	16-JUL-92	8240	5	U	5	TB
romethane-methylene cl	SNL0090163	LWDS-SS	0	16-JUL-92	8240	5	U	5	TB
romethane-methylene cl	SNL0090416	LWDS-SS	0	16-JUL-92	8240	5	U	5	TB
romethane-methylene cl	SNL0090595	LWDS-04-BH02	0	11-AUG-92	8240	5	U	5	EB
romethane-methylene cl	SNL0090597	LWDS-04-BH02	0	11-AUG-92	8240	5	U	5	TB
romethane-methylene cl	SNL0090622	LWDS-04-BH03	0	12-AUG-92	8240	5	U	5	EB
romethane-methylene cl	SNL0090624	LWDS-04-BH03	0	12-AUG-92	8240	5	U	5	TB
romethane-methylene cl	SNL0090737	LWDS-SS	0	17-JUL-92	8240	5	U	5	TB
romethane-methylene cl	SNL0090934	LWDS-SS	0	17-JUL-92	8240	5	U	5	TB
romethane-methylene cl	SNL0091118	LWDS-SS	0	20-JUL-92	8240	5	U	5	TB
romethane-methylene cl	SNL0091157	LWDS-04-BH03	0	13-AUG-92	8240	5	U	5	EB
romethane-methylene cl	SNL0091171	LWDS-04-BH04	0	18-AUG-92	8240	5	U	5	EB

Table A-13. Trip blank and equipment blank results for ER Sites 4, 5, and 52.

Analyte	Sample Number	Sample Location	Sample Depth (Ft)	Sample Date	Analytical Method	Amount Detected (mg/L)	Qualifier	Method Detection Limit	Sample Type
romethane-methylene cl	SNL0091174	LWDS-04-BH04	0	18-AUG-92	8240	5	U	5	TB
romethane-methylene cl	SNL0091191	LWDS-04-BH04	0	19-AUG-92	8240	5	U	5	EB
romethane-methylene cl	SNL0091193	LWDS-04-BH04	0	19-AUG-92	8240	5	U	5	TB
romethane-methylene cl	SNL0091242	LWDS-04-BH05	0	20-AUG-92	8240	5	U	5	TB
romethane-methylene cl	SNL0091256	LWDS-04-BH05	0	20-AUG-92	8240	12	B	5	EB
romethane-methylene cl	SNL0091257	LWDS-04-BH05	0	20-AUG-92	8240	14	B	5	TB
romethane-methylene cl	SNL0091272	LWDS-MW1	0	23-AUG-92	8240	5	U	5	EB
romethane-methylene cl	SNL0091274	LWDS-MW1	0	22-AUG-92	8240	15	B	5	EB
romethane-methylene cl	SNL0091276	LWDS-MW1	0	22-AUG-92	8240	13	B	5	TB
romethane-methylene cl	SNL0091291	LWDS-MW1	0	24-AUG-92	8240	5	U	5	EB
romethane-methylene cl	SNL0091293	LWDS-MW1	0	24-AUG-92	8240	16	B	5	TB
romethane-methylene cl	SNL0091298	LWDS-MW1	0	25-AUG-92	8240	8	B	5	EB
romethane-methylene cl	SNL0091300	LWDS-MW1	0	25-AUG-92	8240	5	U	5	TB
romethane-methylene cl	SNL0091933	LWDS-52-BH06	0	05-SEP-92	8240	5	U	5	EB
romethane-methylene cl	SNL0091935	LWDS-52-BH06	0	05-SEP-92	8240	5	U	5	TB
romethane-methylene cl	SNL0091944	LWDS-52-BH08	0	05-SEP-92	8240	5	U	5	EB
romethane-methylene cl	SNL0092723	LWDS-MW2	0	18-SEP-92	8240	5	U	5	TB
romethane-methylene cl	SNL0092746	LWDS-MW2	0	21-SEP-92	8240	5	U	5	TB
romethane-methylene cl	SNL0092791	LWDS-MW2	0	23-SEP-92	8240	5	U	5	EB
romethane-methylene cl	SNL0092801	LWDS-MW2	0	23-SEP-92	8240	5	U	5	TB
romethane-methylene cl	SNL0092835	LWDS-MW2	0	24-SEP-92	8240	5	U	5	TB
romethane-methylene cl	SNL0092847	LWDS-MW2	0	01-OCT-92	8240	5	U	5	TB
romethane-methylene cl	SNL0092859	LWDS-MW2	0	02-OCT-92	8240	5	U	5	TB
romethane-methylene cl	SNL0092871	LWDS-MW2	0	08-OCT-92	8240	5	U	5	EB
romethane-methylene cl	SNL0092881	LWDS-MW2	0	08-OCT-92	8240	5	U	5	TB
romethane-methylene cl	SNL0092948	LWDS-MW2	0	17-OCT-92	8240	5	U	5	TB
romethane-methylene cl	SNL0092970	LWDS-MW2	0	21-OCT-92	8240	5	U	5	TB
romethane-methylene cl	SNL0092989	LWDS-MW1	0	06-APR-93	8240	7.8	BJ	5	TB
romethane-methylene cl	SNL0093002	LWDS-MW1	0	08-APR-93	8240	7.8		5	TB
romethane-methylene cl	SNL0093003	LWDS-MW1	0	13-APR-93	8240	7.6		5	TB
romethane-methylene cl	SNL0093013	LWDS-MW1	0	14-APR-93	8240	8.4	B	5	TB
romethane-methylene cl	SNL0093035	LWDS-MW1	0	15-APR-93	8240	7.9		5	TB
romethane-methylene cl	SNL0093045	LWDS-MW1	0	17-APR-93	8240	6.1	B	5	TB
romethane-methylene cl	SNL0093082	LWDS-MW1	0	21-APR-93	8240	7.7		5	TB
romethane-methylene cl	SNL0093092	LWDS-MW1	0	27-APR-93	8240	1.1	BJ	5	TB
romethane-methylene cl	SNL0093105	LWDS-MW1	0	28-APR-93	8240	5	U	5	EB
romethane-methylene cl	SNL0093114	LWDS-MW1	0	28-APR-93	8240	5	U	5	TB
romethane-methylene cl	SNL0093124	LWDS-MW1	0	30-APR-93	8240	8.5	B	5	TB
romethane-methylene cl	SNL0093135	LWDS-MW1	0	03-MAY-93	8240	7.4		5	TB
romethane-methylene cl	SNL0093236	LWDS-04-BH09	0	18-MAR-94	8240	1.6	J	5	EB
romethane-methylene cl	SNL0093244	LWDS-04-BH09	0	18-MAR-94	8240	2.9	J	5	TB
romethane-methylene cl	SNL0093245	LWDS-04-BH09	0	18-MAR-94	8240	8.4	B	5	TB
romethane-methylene cl	SNL0093274	LWDS-04-BH10	0	19-MAR-94	8240	1.7	J	5	EB
romethane-methylene cl	SNL0093285	LWDS-04-BH10	0	19-MAR-94	8240	7.6	B	5	TB
romethane-methylene cl	SNL0093286	LWDS-04-BH10	0	19-MAR-94	8240	3.1	J	5	TB
romethane-methylene cl	SNL0093367	LWDS-05-BH13	0	22-MAR-94	8240	3.2	BJ	5	EB
romethane-methylene cl	SNL0093375	LWDS-05-BH13	0	22-MAR-94	8240	3	BJ	5	TB
romethane-methylene cl	SNL0093376	LWDS-05-BH13	0	22-MAR-94	8240	6.3	B	5	TB
romethane-methylene cl	SNL0093457	LWDS-05-BH12	0	21-MAR-94	8240	2.2	BJ	5	EB
romethane-methylene cl	SNL0093465	LWDS-05-BH12	0	21-MAR-94	8240	6	B	5	TB
romethane-methylene cl	SNL0093466	LWDS-05-BH12	0	21-MAR-94	8240	2.9	BJ	5	TB
romethane-methylene cl	SNL0093572	LWDS-05-BH11	0	20-MAR-94	8240	1.7	J	5	TB
romethane-methylene cl	SNL0093573	LWDS-05-BH11	0	20-MAR-94	8240	6.5	B	5	TB
romethane-methylene cl	SNL0093574	LWDS-05-BH11	0	20-MAR-94	8240	2.6	BJ	5	EB
romethane-methylene cl	SNL0093614	LWDS-52-BH16	0	24-MAR-94	8240	5	U	5	EB
romethane-methylene cl	SNL0093622	LWDS-52-BH16	0	24-MAR-94	8240	2.1	BJ	5	TB
romethane-methylene cl	SNL0093646	LWDS-05-BH14	0	23-MAR-94	8240	5	U	5	EB
romethane-methylene cl	SNL0093654	LWDS-05-BH14	0	23-MAR-94	8240	2.9	BJ	5	TB
romethane-methylene cl	SNL0093655	LWDS-05-BH14	0	23-MAR-94	8240	3.5	BJ	5	TB
romethane-methylene cl	SNL0093705	LWDS-52-BH15	0	23-MAR-94	8240	5	U	5	EB
romethane-methylene cl	SNL0094080	LWDS-MW1	0	10-MAR-94	8240	0.003		0.005	TB
romethane-methylene cl	SNL0094280	LWDS-MW1	0	31-MAY-94	8260	0.002		0.002	TB
romethane-methylene cl	SNL0094281	LWDS-MW1	0	06-JUN-94	8260	0.002	U	0.002	EB
romethane-methylene cl	SNL0094298	LWDS-MW1	0	31-MAY-94	8260	0.002	U	0.002	TB
romethane-methylene cl	SNL0094302	LWDS-MW1	0	31-AUG-94	8260	0.002	U	0.002	EB
romethane-methylene cl	SNL0094317	LWDS-MW1	0	24-AUG-94	8260	0.002	U	0.002	TB
romethane-methylene cl	SNL0094348	LWDS-MW1	0	24-AUG-94	8260	0.005	U	0.005	TB
romethane-methylene cl	SNL0094376	LWDS-MW1	0	07-OCT-94	8010	0.001	U	0.001	EB

Table A-13. Trip blank and equipment blank results for ER Sites 4, 5, and 52.

Analyte	Sample Number	Sample Location	Sample Depth (Ft)	Sample Date	Analytical Method	Amount Detected (mg/L)	Qualifier	Method Detection Limit	Sample Type
romethane-methylene cl	SNL0094377	LWDS-MW1	0	07-OCT-94	8010	0.001	U	0.001	EB
romethane-methylene cl	SNL0094378	LWDS-MW1	0	07-OCT-94	8010	0.001	U	0.001	EB
romethane-methylene cl	SNL0094379	LWDS-MW1	0	07-OCT-94	8010	0.001	U	0.001	TB
romethane-methylene cl	SNL0094386	LWDS-MW1	0	30-NOV-94	8010	0.001		0.001	TB
romethane-methylene cl	SNL0094411	LWDS-MW2	0	06-JUN-94	8260	0.001	J	0.002	TB
romethane-methylene cl	SNL0094412	LWDS-MW2	0	30-NOV-94	8010	0.001		0.001	TB
romethane-methylene cl	SNL0094413	LWDS-MW2	0	07-DEC-94	8010	0.001	U	0.001	EB
romethane-methylene cl	SNL0099096	LWDS-MW2	0	24-JUN-93	8240	0.005	U	0.005	EB
romethane-methylene cl	SNL0099097	LWDS-MW2	0	24-JUN-93	8240	0.005	U	0.005	TB
romethane-methylene cl	SNL0099118	LWDS-MW1-DRUM	0	27-DEC-93	624	0.001	J	0.005	TB
Dichloropropane, 1,2-	SNL0090027	LWDS-04-BH01	0	08-AUG-92	8240	5	U	5	EB
Dichloropropane, 1,2-	SNL0090029	LWDS-04-BH01	0	08-AUG-92	8240	5	U	5	TB
Dichloropropane, 1,2-	SNL0090030	LWDS-04-BH01	0	09-AUG-92	8240	5	U	5	EB
Dichloropropane, 1,2-	SNL0090032	LWDS-04-BH01	0	09-AUG-92	8240	5	U	5	TB
Dichloropropane, 1,2-	SNL0090053	LWDS-04-BH02	0	10-AUG-92	8240	5	U	5	EB
Dichloropropane, 1,2-	SNL0090055	LWDS-04-BH02	0	10-AUG-92	8240	5	U	5	TB
Dichloropropane, 1,2-	SNL0090162	LWDS-SS	0	16-JUL-92	8240	5	U	5	TB
Dichloropropane, 1,2-	SNL0090163	LWDS-SS	0	16-JUL-92	8240	5	U	5	TB
Dichloropropane, 1,2-	SNL0090416	LWDS-SS	0	16-JUL-92	8240	5	U	5	TB
Dichloropropane, 1,2-	SNL0090595	LWDS-04-BH02	0	11-AUG-92	8240	5	U	5	EB
Dichloropropane, 1,2-	SNL0090597	LWDS-04-BH02	0	11-AUG-92	8240	5	U	5	TB
Dichloropropane, 1,2-	SNL0090622	LWDS-04-BH03	0	12-AUG-92	8240	5	U	5	EB
Dichloropropane, 1,2-	SNL0090624	LWDS-04-BH03	0	12-AUG-92	8240	5	U	5	TB
Dichloropropane, 1,2-	SNL0090737	LWDS-SS	0	17-JUL-92	8240	5	U	5	TB
Dichloropropane, 1,2-	SNL0090934	LWDS-SS	0	17-JUL-92	8240	5	U	5	TB
Dichloropropane, 1,2-	SNL0091118	LWDS-SS	0	20-JUL-92	8240	5	U	5	TB
Dichloropropane, 1,2-	SNL0091157	LWDS-04-BH03	0	13-AUG-92	8240	5	U	5	EB
Dichloropropane, 1,2-	SNL0091171	LWDS-04-BH04	0	18-AUG-92	8240	5	U	5	EB
Dichloropropane, 1,2-	SNL0091174	LWDS-04-BH04	0	18-AUG-92	8240	5	U	5	TB
Dichloropropane, 1,2-	SNL0091191	LWDS-04-BH04	0	19-AUG-92	8240	5	U	5	EB
Dichloropropane, 1,2-	SNL0091193	LWDS-04-BH04	0	19-AUG-92	8240	5	U	5	TB
Dichloropropane, 1,2-	SNL0091242	LWDS-04-BH05	0	20-AUG-92	8240	5	U	5	TB
Dichloropropane, 1,2-	SNL0091256	LWDS-04-BH05	0	20-AUG-92	8240	5	U	5	EB
Dichloropropane, 1,2-	SNL0091257	LWDS-04-BH05	0	20-AUG-92	8240	5	U	5	TB
Dichloropropane, 1,2-	SNL0091272	LWDS-MW1	0	23-AUG-92	8240	5	U	5	EB
Dichloropropane, 1,2-	SNL0091274	LWDS-MW1	0	22-AUG-92	8240	5	U	5	EB
Dichloropropane, 1,2-	SNL0091276	LWDS-MW1	0	22-AUG-92	8240	5	U	5	TB
Dichloropropane, 1,2-	SNL0091291	LWDS-MW1	0	24-AUG-92	8240	5	U	5	EB
Dichloropropane, 1,2-	SNL0091293	LWDS-MW1	0	24-AUG-92	8240	5	U	5	TB
Dichloropropane, 1,2-	SNL0091298	LWDS-MW1	0	25-AUG-92	8240	5	U	5	EB
Dichloropropane, 1,2-	SNL0091300	LWDS-MW1	0	25-AUG-92	8240	5	U	5	TB
Dichloropropane, 1,2-	SNL0091933	LWDS-52-BH06	0	05-SEP-92	8240	5	U	5	EB
Dichloropropane, 1,2-	SNL0091935	LWDS-52-BH06	0	05-SEP-92	8240	5	U	5	TB
Dichloropropane, 1,2-	SNL0091944	LWDS-52-BH08	0	05-SEP-92	8240	5	U	5	EB
Dichloropropane, 1,2-	SNL0092723	LWDS-MW2	0	18-SEP-92	8240	5	U	5	TB
Dichloropropane, 1,2-	SNL0092746	LWDS-MW2	0	21-SEP-92	8240	5	U	5	TB
Dichloropropane, 1,2-	SNL0092791	LWDS-MW2	0	23-SEP-92	8240	5	U	5	EB
Dichloropropane, 1,2-	SNL0092801	LWDS-MW2	0	23-SEP-92	8240	5	U	5	TB
Dichloropropane, 1,2-	SNL0092835	LWDS-MW2	0	24-SEP-92	8240	5	U	5	TB
Dichloropropane, 1,2-	SNL0092847	LWDS-MW2	0	01-OCT-92	8240	5	U	5	TB
Dichloropropane, 1,2-	SNL0092859	LWDS-MW2	0	02-OCT-92	8240	5	U	5	TB
Dichloropropane, 1,2-	SNL0092871	LWDS-MW2	0	08-OCT-92	8240	5	U	5	EB
Dichloropropane, 1,2-	SNL0092881	LWDS-MW2	0	08-OCT-92	8240	5	U	5	TB
Dichloropropane, 1,2-	SNL0092948	LWDS-MW2	0	17-OCT-92	8240	5	U	5	TB
Dichloropropane, 1,2-	SNL0092970	LWDS-MW2	0	21-OCT-92	8240	5	U	5	TB
Dichloropropane, 1,2-	SNL0092989	LWDS-MW1	0	06-APR-93	8240	5	U	5	TB
Dichloropropane, 1,2-	SNL0093002	LWDS-MW1	0	08-APR-93	8240	5	U	5	TB
Dichloropropane, 1,2-	SNL0093003	LWDS-MW1	0	13-APR-93	8240	5	U	5	TB
Dichloropropane, 1,2-	SNL0093013	LWDS-MW1	0	14-APR-93	8240	5	U	5	TB
Dichloropropane, 1,2-	SNL0093035	LWDS-MW1	0	15-APR-93	8240	5	U	5	TB
Dichloropropane, 1,2-	SNL0093045	LWDS-MW1	0	17-APR-93	8240	5	U	5	TB
Dichloropropane, 1,2-	SNL0093082	LWDS-MW1	0	21-APR-93	8240	5	U	5	TB
Dichloropropane, 1,2-	SNL0093092	LWDS-MW1	0	27-APR-93	8240	5	U	5	TB
Dichloropropane, 1,2-	SNL0093105	LWDS-MW1	0	28-APR-93	8240	5	U	5	EB
Dichloropropane, 1,2-	SNL0093114	LWDS-MW1	0	28-APR-93	8240	5	U	5	TB
Dichloropropane, 1,2-	SNL0093124	LWDS-MW1	0	30-APR-93	8240	5	U	5	TB
Dichloropropane, 1,2-	SNL0093135	LWDS-MW1	0	03-MAY-93	8240	5	U	5	TB
Dichloropropane, 1,2-	SNL0093236	LWDS-04-BH09	0	18-MAR-94	8240	5	U	5	EB

Table A-13. Trip blank and equipment blank results for ER Sites 4, 5, and 52.

Analyte	Sample Number	Sample Location	Sample Depth (Ft)	Sample Date	Analytical Method	Amount Detected (mg/L)	Qualifier	Method Detection Limit	Sample Type
Dichloropropane, 1,2-	SNL0093244	LWDS-04-BH09	0	18-MAR-94	8240	5	U	5	TB
Dichloropropane, 1,2-	SNL0093245	LWDS-04-BH09	0	18-MAR-94	8240	5	U	5	TB
Dichloropropane, 1,2-	SNL0093274	LWDS-04-BH10	0	19-MAR-94	8240	5	U	5	EB
Dichloropropane, 1,2-	SNL0093285	LWDS-04-BH10	0	19-MAR-94	8240	5	U	5	TB
Dichloropropane, 1,2-	SNL0093286	LWDS-04-BH10	0	19-MAR-94	8240	5	U	5	TB
Dichloropropane, 1,2-	SNL0093367	LWDS-05-BH13	0	22-MAR-94	8240	5	U	5	EB
Dichloropropane, 1,2-	SNL0093375	LWDS-05-BH13	0	22-MAR-94	8240	5	U	5	TB
Dichloropropane, 1,2-	SNL0093376	LWDS-05-BH13	0	22-MAR-94	8240	5	U	5	TB
Dichloropropane, 1,2-	SNL0093457	LWDS-05-BH12	0	21-MAR-94	8240	5	U	5	EB
Dichloropropane, 1,2-	SNL0093465	LWDS-05-BH12	0	21-MAR-94	8240	5	U	5	TB
Dichloropropane, 1,2-	SNL0093466	LWDS-05-BH12	0	21-MAR-94	8240	5	U	5	TB
Dichloropropane, 1,2-	SNL0093572	LWDS-05-BH11	0	20-MAR-94	8240	5	U	5	TB
Dichloropropane, 1,2-	SNL0093573	LWDS-05-BH11	0	20-MAR-94	8240	5	U	5	TB
Dichloropropane, 1,2-	SNL0093574	LWDS-05-BH11	0	20-MAR-94	8240	5	U	5	EB
Dichloropropane, 1,2-	SNL0093614	LWDS-52-BH16	0	24-MAR-94	8240	5	U	5	EB
Dichloropropane, 1,2-	SNL0093622	LWDS-52-BH16	0	24-MAR-94	8240	5	U	5	TB
Dichloropropane, 1,2-	SNL0093646	LWDS-05-BH14	0	23-MAR-94	8240	5	U	5	EB
Dichloropropane, 1,2-	SNL0093654	LWDS-05-BH14	0	23-MAR-94	8240	5	U	5	TB
Dichloropropane, 1,2-	SNL0093655	LWDS-05-BH14	0	23-MAR-94	8240	5	U	5	TB
Dichloropropane, 1,2-	SNL0093705	LWDS-52-BH15	0	23-MAR-94	8240	5	U	5	EB
Dichloropropane, 1,2-	SNL0094080	LWDS-MW1	0	10-MAR-94	8240	0.005	U	0.005	TB
Dichloropropane, 1,2-	SNL0094280	LWDS-MW1	0	31-MAY-94	8260	0.001	U	0.001	TB
Dichloropropane, 1,2-	SNL0094281	LWDS-MW1	0	06-JUN-94	8260	0.001	U	0.001	EB
Dichloropropane, 1,2-	SNL0094298	LWDS-MW1	0	31-MAY-94	8260	0.001	U	0.001	TB
Dichloropropane, 1,2-	SNL0094302	LWDS-MW1	0	31-AUG-94	8260	0.001	U	0.001	EB
Dichloropropane, 1,2-	SNL0094317	LWDS-MW1	0	24-AUG-94	8260	0.001	U	0.001	TB
Dichloropropane, 1,2-	SNL0094348	LWDS-MW1	0	24-AUG-94	8260	0.005	U	0.005	TB
Dichloropropane, 1,2-	SNL0094376	LWDS-MW1	0	07-OCT-94	8010	0.001	U	0.001	EB
Dichloropropane, 1,2-	SNL0094377	LWDS-MW1	0	07-OCT-94	8010	0.001	U	0.001	EB
Dichloropropane, 1,2-	SNL0094378	LWDS-MW1	0	07-OCT-94	8010	0.001	U	0.001	EB
Dichloropropane, 1,2-	SNL0094379	LWDS-MW1	0	07-OCT-94	8010	0.001	U	0.001	TB
Dichloropropane, 1,2-	SNL0094386	LWDS-MW1	0	30-NOV-94	8010	0.001	U	0.001	TB
Dichloropropane, 1,2-	SNL0094411	LWDS-MW2	0	06-JUN-94	8260	0.001	U	0.001	TB
Dichloropropane, 1,2-	SNL0094412	LWDS-MW2	0	30-NOV-94	8010	0.001	U	0.001	TB
Dichloropropane, 1,2-	SNL0094413	LWDS-MW2	0	07-DEC-94	8010	0.001	U	0.001	EB
Dichloropropane, 1,2-	SNL0094465	LWDS-MW1	0	18-MAR-96	8010	1	U	1	TB
Dichloropropane, 1,2-	SNL0094521	LWDS-MW2	0	21-SEP-95	8260	1	U	1	TB
Dichloropropane, 1,2-	SNL0094530	LWDS-MW1	0	25-SEP-95	8260	1	U	1	TB
Dichloropropane, 1,2-	SNL0094531	LWDS-MW1	0	25-SEP-95	8260	1	U	1	FB
Dichloropropane, 1,2-	SNL0094543	LWDS-MW2	0	14-DEC-95	8260	1	U	1	TB
Dichloropropane, 1,2-	SNL0094618	LWDS MW-2	0	27-FEB-95	8240	0.005	U	0.005	TB
Dichloropropane, 1,2-	SNL0094619	LWDS MW-2	0	01-MAR-95	8240	0.005	U	0.005	EB
Dichloropropane, 1,2-	SNL0094667	LWDS MW-1	0	02-MAR-95	8240	0.005	U	0.005	TB
Dichloropropane, 1,2-	SNL0094705	LWDS-MW2	0	12-JUN-95	8010	0.001	U	0.001	TB
Dichloropropane, 1,2-	SNL0094748	LWDS-MW2	0	12-JUN-95	8010	0.001	U	0.001	EB
Dichloropropane, 1,2-	SNL0094760	LWDS-MW1	0	14-JUN-95	8010	0.001	U	0.001	TB
Dichloropropane, 1,2-	SNL0099096	LWDS-MW2	0	24-JUN-93	8240	0.005	U	0.005	EB
Dichloropropane, 1,2-	SNL0099097	LWDS-MW2	0	24-JUN-93	8240	0.005	U	0.005	TB
Dichloropropane, 1,2-	SNL0099118	LWDS-MW1-DRUM	0	27-DEC-93	624	0.005	U	0.005	TB
Dichloropropane, 1,2-	031518-001	LWDS-MW1-TB		12-MAR-96	PA-SW846-80	0.11	U	0.11	TB
Dichloropropene, cis-1,3-	SNL0090027	LWDS-04-BH01	0	08-AUG-92	8240	5	U	5	EB
Dichloropropene, cis-1,3-	SNL0090029	LWDS-04-BH01	0	08-AUG-92	8240	5	U	5	TB
Dichloropropene, cis-1,3-	SNL0090030	LWDS-04-BH01	0	09-AUG-92	8240	5	U	5	EB
Dichloropropene, cis-1,3-	SNL0090032	LWDS-04-BH01	0	09-AUG-92	8240	5	U	5	TB
Dichloropropene, cis-1,3-	SNL0090053	LWDS-04-BH02	0	10-AUG-92	8240	5	U	5	EB
Dichloropropene, cis-1,3-	SNL0090055	LWDS-04-BH02	0	10-AUG-92	8240	5	U	5	TB
Dichloropropene, cis-1,3-	SNL0090162	LWDS-SS	0	16-JUL-92	8240	5	U	5	TB
Dichloropropene, cis-1,3-	SNL0090163	LWDS-SS	0	16-JUL-92	8240	5	U	5	TB
Dichloropropene, cis-1,3-	SNL0090416	LWDS-SS	0	16-JUL-92	8240	5	U	5	TB
Dichloropropene, cis-1,3-	SNL0090595	LWDS-04-BH02	0	11-AUG-92	8240	5	U	5	EB
Dichloropropene, cis-1,3-	SNL0090597	LWDS-04-BH02	0	11-AUG-92	8240	5	U	5	TB
Dichloropropene, cis-1,3-	SNL0090622	LWDS-04-BH03	0	12-AUG-92	8240	5	U	5	EB
Dichloropropene, cis-1,3-	SNL0090624	LWDS-04-BH03	0	12-AUG-92	8240	5	U	5	TB
Dichloropropene, cis-1,3-	SNL0090737	LWDS-SS	0	17-JUL-92	8240	5	U	5	TB
Dichloropropene, cis-1,3-	SNL0090934	LWDS-SS	0	17-JUL-92	8240	5	U	5	TB
Dichloropropene, cis-1,3-	SNL0091118	LWDS-SS	0	20-JUL-92	8240	5	U	5	TB
Dichloropropene, cis-1,3-	SNL0091157	LWDS-04-BH03	0	13-AUG-92	8240	5	U	5	EB
Dichloropropene, cis-1,3-	SNL0091171	LWDS-04-BH04	0	18-AUG-92	8240	5	U	5	EB

Table A-13. Trip blank and equipment blank results for ER Sites 4, 5, and 52.

Analyte	Sample Number	Sample Location	Sample Depth (Ft)	Sample Date	Analytical Method	Amount Detected (mg/L)	Qualifier	Method Detection Limit	Sample Type
Dichloropropene, cis-1,3-	SNL0091174	LWDS-04-BH04	0	18-AUG-92	8240	5	U	5	TB
Dichloropropene, cis-1,3-	SNL0091191	LWDS-04-BH04	0	19-AUG-92	8240	5	U	5	EB
Dichloropropene, cis-1,3-	SNL0091193	LWDS-04-BH04	0	19-AUG-92	8240	5	U	5	TB
Dichloropropene, cis-1,3-	SNL0091242	LWDS-04-BH05	0	20-AUG-92	8240	5	U	5	TB
Dichloropropene, cis-1,3-	SNL0091256	LWDS-04-BH05	0	20-AUG-92	8240	5	U	5	EB
Dichloropropene, cis-1,3-	SNL0091257	LWDS-04-BH05	0	20-AUG-92	8240	5	U	5	TB
Dichloropropene, cis-1,3-	SNL0091272	LWDS-MW1	0	23-AUG-92	8240	5	U	5	EB
Dichloropropene, cis-1,3-	SNL0091274	LWDS-MW1	0	22-AUG-92	8240	5	U	5	EB
Dichloropropene, cis-1,3-	SNL0091276	LWDS-MW1	0	22-AUG-92	8240	5	U	5	TB
Dichloropropene, cis-1,3-	SNL0091291	LWDS-MW1	0	24-AUG-92	8240	5	U	5	EB
Dichloropropene, cis-1,3-	SNL0091293	LWDS-MW1	0	24-AUG-92	8240	5	U	5	TB
Dichloropropene, cis-1,3-	SNL0091298	LWDS-MW1	0	25-AUG-92	8240	5	U	5	EB
Dichloropropene, cis-1,3-	SNL0091300	LWDS-MW1	0	25-AUG-92	8240	5	U	5	TB
Dichloropropene, cis-1,3-	SNL0091933	LWDS-52-BH06	0	05-SEP-92	8240	5	U	5	EB
Dichloropropene, cis-1,3-	SNL0091935	LWDS-52-BH06	0	05-SEP-92	8240	5	U	5	TB
Dichloropropene, cis-1,3-	SNL0091944	LWDS-52-BH08	0	05-SEP-92	8240	5	U	5	EB
Dichloropropene, cis-1,3-	SNL0092723	LWDS-MW2	0	18-SEP-92	8240	5	U	5	TB
Dichloropropene, cis-1,3-	SNL0092746	LWDS-MW2	0	21-SEP-92	8240	5	U	5	TB
Dichloropropene, cis-1,3-	SNL0092791	LWDS-MW2	0	23-SEP-92	8240	5	U	5	EB
Dichloropropene, cis-1,3-	SNL0092801	LWDS-MW2	0	23-SEP-92	8240	5	U	5	TB
Dichloropropene, cis-1,3-	SNL0092835	LWDS-MW2	0	24-SEP-92	8240	5	U	5	TB
Dichloropropene, cis-1,3-	SNL0092847	LWDS-MW2	0	01-OCT-92	8240	5	U	5	TB
Dichloropropene, cis-1,3-	SNL0092859	LWDS-MW2	0	02-OCT-92	8240	5	U	5	TB
Dichloropropene, cis-1,3-	SNL0092871	LWDS-MW2	0	08-OCT-92	8240	5	U	5	EB
Dichloropropene, cis-1,3-	SNL0092881	LWDS-MW2	0	08-OCT-92	8240	5	U	5	TB
Dichloropropene, cis-1,3-	SNL0092948	LWDS-MW2	0	17-OCT-92	8240	5	U	5	TB
Dichloropropene, cis-1,3-	SNL0092970	LWDS-MW2	0	21-OCT-92	8240	5	U	5	TB
Dichloropropene, cis-1,3-	SNL0092989	LWDS-MW1	0	06-APR-93	8240	5	U	5	TB
Dichloropropene, cis-1,3-	SNL0093002	LWDS-MW1	0	08-APR-93	8240	5	U	5	TB
Dichloropropene, cis-1,3-	SNL0093003	LWDS-MW1	0	13-APR-93	8240	5	U	5	TB
Dichloropropene, cis-1,3-	SNL0093013	LWDS-MW1	0	14-APR-93	8240	5	U	5	TB
Dichloropropene, cis-1,3-	SNL0093035	LWDS-MW1	0	15-APR-93	8240	5	U	5	TB
Dichloropropene, cis-1,3-	SNL0093045	LWDS-MW1	0	17-APR-93	8240	5	U	5	TB
Dichloropropene, cis-1,3-	SNL0093082	LWDS-MW1	0	21-APR-93	8240	5	U	5	TB
Dichloropropene, cis-1,3-	SNL0093092	LWDS-MW1	0	27-APR-93	8240	5	U	5	TB
Dichloropropene, cis-1,3-	SNL0093105	LWDS-MW1	0	28-APR-93	8240	5	U	5	EB
Dichloropropene, cis-1,3-	SNL0093114	LWDS-MW1	0	28-APR-93	8240	5	U	5	TB
Dichloropropene, cis-1,3-	SNL0093124	LWDS-MW1	0	30-APR-93	8240	5	U	5	TB
Dichloropropene, cis-1,3-	SNL0093135	LWDS-MW1	0	03-MAY-93	8240	5	U	5	TB
Dichloropropene, cis-1,3-	SNL0093236	LWDS-04-BH09	0	18-MAR-94	8240	5	U	5	EB
Dichloropropene, cis-1,3-	SNL0093244	LWDS-04-BH09	0	18-MAR-94	8240	5	U	5	TB
Dichloropropene, cis-1,3-	SNL0093245	LWDS-04-BH09	0	18-MAR-94	8240	5	U	5	TB
Dichloropropene, cis-1,3-	SNL0093274	LWDS-04-BH10	0	19-MAR-94	8240	5	U	5	EB
Dichloropropene, cis-1,3-	SNL0093285	LWDS-04-BH10	0	19-MAR-94	8240	5	U	5	TB
Dichloropropene, cis-1,3-	SNL0093286	LWDS-04-BH10	0	19-MAR-94	8240	5	U	5	TB
Dichloropropene, cis-1,3-	SNL0093367	LWDS-05-BH13	0	22-MAR-94	8240	5	U	5	EB
Dichloropropene, cis-1,3-	SNL0093375	LWDS-05-BH13	0	22-MAR-94	8240	5	U	5	TB
Dichloropropene, cis-1,3-	SNL0093376	LWDS-05-BH13	0	22-MAR-94	8240	5	U	5	TB
Dichloropropene, cis-1,3-	SNL0093457	LWDS-05-BH12	0	21-MAR-94	8240	5	U	5	EB
Dichloropropene, cis-1,3-	SNL0093465	LWDS-05-BH12	0	21-MAR-94	8240	5	U	5	TB
Dichloropropene, cis-1,3-	SNL0093466	LWDS-05-BH12	0	21-MAR-94	8240	5	U	5	TB
Dichloropropene, cis-1,3-	SNL0093572	LWDS-05-BH11	0	20-MAR-94	8240	5	U	5	TB
Dichloropropene, cis-1,3-	SNL0093573	LWDS-05-BH11	0	20-MAR-94	8240	5	U	5	TB
Dichloropropene, cis-1,3-	SNL0093574	LWDS-05-BH11	0	20-MAR-94	8240	5	U	5	EB
Dichloropropene, cis-1,3-	SNL0093614	LWDS-52-BH16	0	24-MAR-94	8240	5	U	5	EB
Dichloropropene, cis-1,3-	SNL0093622	LWDS-52-BH16	0	24-MAR-94	8240	5	U	5	TB
Dichloropropene, cis-1,3-	SNL0093646	LWDS-05-BH14	0	23-MAR-94	8240	5	U	5	EB
Dichloropropene, cis-1,3-	SNL0093654	LWDS-05-BH14	0	23-MAR-94	8240	5	U	5	TB
Dichloropropene, cis-1,3-	SNL0093655	LWDS-05-BH14	0	23-MAR-94	8240	5	U	5	TB
Dichloropropene, cis-1,3-	SNL0093705	LWDS-52-BH15	0	23-MAR-94	8240	5	U	5	EB
Dichloropropene, cis-1,3-	SNL0094080	LWDS-MW1	0	10-MAR-94	8240	0.005	U	0.005	TB
Dichloropropene, cis-1,3-	SNL0094280	LWDS-MW1	0	31-MAY-94	8260	0.002	U	0.002	TB
Dichloropropene, cis-1,3-	SNL0094281	LWDS-MW1	0	06-JUN-94	8260	0.002	U	0.002	EB
Dichloropropene, cis-1,3-	SNL0094298	LWDS-MW1	0	31-MAY-94	8260	0.002	U	0.002	TB
Dichloropropene, cis-1,3-	SNL0094302	LWDS-MW1	0	31-AUG-94	8260	0.002	U	0.002	EB
Dichloropropene, cis-1,3-	SNL0094317	LWDS-MW1	0	24-AUG-94	8260	0.002	U	0.002	TB
Dichloropropene, cis-1,3-	SNL0094348	LWDS-MW1	0	24-AUG-94	8260	0.005	U	0.005	TB
Dichloropropene, cis-1,3-	SNL0094376	LWDS-MW1	0	07-OCT-94	8010	0.001	U	0.001	EB

Table A-13. Trip blank and equipment blank results for ER Sites 4, 5, and 52.

Analyte	Sample Number	Sample Location	Sample Depth (Ft)	Sample Date	Analytical Method	Amount Detected (mg/L)	Qualifier	Method Detection Limit	Sample Type
Dichloropropene, cis-1,3-	SNL0094377	LWDS-MW1	0	07-OCT-94	8010	0.001	U	0.001	EB
Dichloropropene, cis-1,3-	SNL0094378	LWDS-MW1	0	07-OCT-94	8010	0.001	U	0.001	EB
Dichloropropene, cis-1,3-	SNL0094379	LWDS-MW1	0	07-OCT-94	8010	0.001	U	0.001	TB
Dichloropropene, cis-1,3-	SNL0094386	LWDS-MW1	0	30-NOV-94	8010	0.001	U	0.001	TB
Dichloropropene, cis-1,3-	SNL0094411	LWDS-MW2	0	06-JUN-94	8260	0.002	U	0.002	TB
Dichloropropene, cis-1,3-	SNL0094412	LWDS-MW2	0	30-NOV-94	8010	0.001	U	0.001	TB
Dichloropropene, cis-1,3-	SNL0094413	LWDS-MW2	0	07-DEC-94	8010	0.001	U	0.001	EB
Dichloropropene, cis-1,3-	SNL0094465	LWDS-MW1	0	18-MAR-96	8010	2	U	2	TB
Dichloropropene, cis-1,3-	SNL0094521	LWDS-MW2	0	21-SEP-95	8260	1	U	1	TB
Dichloropropene, cis-1,3-	SNL0094530	LWDS-MW1	0	25-SEP-95	8260	1	U	1	TB
Dichloropropene, cis-1,3-	SNL0094531	LWDS-MW1	0	25-SEP-95	8260	1	U	1	FB
Dichloropropene, cis-1,3-	SNL0094543	LWDS-MW2	0	14-DEC-95	8260	1	U	1	TB
Dichloropropene, cis-1,3-	SNL0094618	LWDS MW-2	0	27-FEB-95	8240	0.005	U	0.005	TB
Dichloropropene, cis-1,3-	SNL0094619	LWDS MW-2	0	01-MAR-95	8240	0.005	U	0.005	EB
Dichloropropene, cis-1,3-	SNL0094667	LWDS MW-1	0	02-MAR-95	8240	0.005	U	0.005	TB
Dichloropropene, cis-1,3-	SNL0094705	LWDS-MW2	0	12-JUN-95	8010	0.001	U	0.001	TB
Dichloropropene, cis-1,3-	SNL0094748	LWDS-MW2	0	12-JUN-95	8010	0.001	U	0.001	EB
Dichloropropene, cis-1,3-	SNL0094760	LWDS-MW1	0	14-JUN-95	8010	0.001	U	0.001	TB
Dichloropropene, cis-1,3-	SNL0099096	LWDS-MW2	0	24-JUN-93	8240	0.005	U	0.005	EB
Dichloropropene, cis-1,3-	SNL0099097	LWDS-MW2	0	24-JUN-93	8240	0.005	U	0.005	TB
Dichloropropene, cis-1,3-	SNL0099118	LWDS-MW1-DRUM	0	27-DEC-93	624	0.005	U	0.005	TB
Dichloropropene, cis-1,3-	031518-001	LWDS-MW1-TB		12-MAR-96	PA-SW846-80	0.06	U	0.06	TB
ichloropropene, trans-1,3	SNL0090027	LWDS-04-BH01	0	08-AUG-92	8240	5	U	5	EB
ichloropropene, trans-1,3	SNL0090029	LWDS-04-BH01	0	08-AUG-92	8240	5	U	5	TB
ichloropropene, trans-1,3	SNL0090030	LWDS-04-BH01	0	09-AUG-92	8240	5	U	5	EB
ichloropropene, trans-1,3	SNL0090032	LWDS-04-BH01	0	09-AUG-92	8240	5	U	5	TB
ichloropropene, trans-1,3	SNL0090053	LWDS-04-BH02	0	10-AUG-92	8240	5	U	5	EB
ichloropropene, trans-1,3	SNL0090055	LWDS-04-BH02	0	10-AUG-92	8240	5	U	5	TB
ichloropropene, trans-1,3	SNL0090162	LWDS-SS	0	16-JUL-92	8240	5	U	5	TB
ichloropropene, trans-1,3	SNL0090163	LWDS-SS	0	16-JUL-92	8240	5	U	5	TB
ichloropropene, trans-1,3	SNL0090416	LWDS-SS	0	16-JUL-92	8240	5	U	5	TB
ichloropropene, trans-1,3	SNL0090595	LWDS-04-BH02	0	11-AUG-92	8240	5	U	5	EB
ichloropropene, trans-1,3	SNL0090597	LWDS-04-BH02	0	11-AUG-92	8240	5	U	5	TB
ichloropropene, trans-1,3	SNL0090622	LWDS-04-BH03	0	12-AUG-92	8240	5	U	5	EB
ichloropropene, trans-1,3	SNL0090624	LWDS-04-BH03	0	12-AUG-92	8240	5	U	5	TB
ichloropropene, trans-1,3	SNL0090737	LWDS-SS	0	17-JUL-92	8240	5	U	5	TB
ichloropropene, trans-1,3	SNL0090934	LWDS-SS	0	17-JUL-92	8240	5	U	5	TB
ichloropropene, trans-1,3	SNL0091118	LWDS-SS	0	20-JUL-92	8240	5	U	5	TB
ichloropropene, trans-1,3	SNL0091157	LWDS-04-BH03	0	13-AUG-92	8240	5	U	5	EB
ichloropropene, trans-1,3	SNL0091171	LWDS-04-BH04	0	18-AUG-92	8240	5	U	5	EB
ichloropropene, trans-1,3	SNL0091174	LWDS-04-BH04	0	18-AUG-92	8240	5	U	5	TB
ichloropropene, trans-1,3	SNL0091191	LWDS-04-BH04	0	19-AUG-92	8240	5	U	5	EB
ichloropropene, trans-1,3	SNL0091193	LWDS-04-BH04	0	19-AUG-92	8240	5	U	5	TB
ichloropropene, trans-1,3	SNL0091242	LWDS-04-BH05	0	20-AUG-92	8240	5	U	5	TB
ichloropropene, trans-1,3	SNL0091256	LWDS-04-BH05	0	20-AUG-92	8240	5	U	5	EB
ichloropropene, trans-1,3	SNL0091257	LWDS-04-BH05	0	20-AUG-92	8240	5	U	5	TB
ichloropropene, trans-1,3	SNL0091272	LWDS-MW1	0	23-AUG-92	8240	5	U	5	EB
ichloropropene, trans-1,3	SNL0091274	LWDS-MW1	0	22-AUG-92	8240	5	U	5	EB
ichloropropene, trans-1,3	SNL0091276	LWDS-MW1	0	22-AUG-92	8240	5	U	5	TB
ichloropropene, trans-1,3	SNL0091291	LWDS-MW1	0	24-AUG-92	8240	5	U	5	EB
ichloropropene, trans-1,3	SNL0091293	LWDS-MW1	0	24-AUG-92	8240	5	U	5	TB
ichloropropene, trans-1,3	SNL0091298	LWDS-MW1	0	25-AUG-92	8240	5	U	5	EB
ichloropropene, trans-1,3	SNL0091300	LWDS-MW1	0	25-AUG-92	8240	5	U	5	TB
ichloropropene, trans-1,3	SNL0091933	LWDS-52-BH06	0	05-SEP-92	8240	5	U	5	EB
ichloropropene, trans-1,3	SNL0091935	LWDS-52-BH06	0	05-SEP-92	8240	5	U	5	TB
ichloropropene, trans-1,3	SNL0091944	LWDS-52-BH08	0	05-SEP-92	8240	5	U	5	EB
ichloropropene, trans-1,3	SNL0092723	LWDS-MW2	0	18-SEP-92	8240	5	U	5	TB
ichloropropene, trans-1,3	SNL0092746	LWDS-MW2	0	21-SEP-92	8240	5	U	5	TB
ichloropropene, trans-1,3	SNL0092791	LWDS-MW2	0	23-SEP-92	8240	5	U	5	EB
ichloropropene, trans-1,3	SNL0092801	LWDS-MW2	0	23-SEP-92	8240	5	U	5	TB
ichloropropene, trans-1,3	SNL0092835	LWDS-MW2	0	24-SEP-92	8240	5	U	5	TB
ichloropropene, trans-1,3	SNL0092847	LWDS-MW2	0	01-OCT-92	8240	5	U	5	TB
ichloropropene, trans-1,3	SNL0092859	LWDS-MW2	0	02-OCT-92	8240	5	U	5	TB
ichloropropene, trans-1,3	SNL0092871	LWDS-MW2	0	08-OCT-92	8240	5	U	5	EB
ichloropropene, trans-1,3	SNL0092881	LWDS-MW2	0	08-OCT-92	8240	5	U	5	TB
ichloropropene, trans-1,3	SNL0092948	LWDS-MW2	0	17-OCT-92	8240	5	U	5	TB
ichloropropene, trans-1,3	SNL0092970	LWDS-MW2	0	21-OCT-92	8240	5	U	5	TB
ichloropropene, trans-1,3	SNL0092989	LWDS-MW1	0	06-APR-93	8240	5	U	5	TB

Table A-13. Trip blank and equipment blank results for ER Sites 4, 5, and 52.

Analyte	Sample Number	Sample Location	Sample Depth (Ft)	Sample Date	Analytical Method	Amount Detected (mg/L)	Qualifier	Method Detection Limit	Sample Type
ichloropropene, trans-1,3	SNL0093002	LWDS-MW1	0	08-APR-93	8240	5	U	5	TB
ichloropropene, trans-1,3	SNL0093003	LWDS-MW1	0	13-APR-93	8240	5	U	5	TB
ichloropropene, trans-1,3	SNL0093013	LWDS-MW1	0	14-APR-93	8240	5	U	5	TB
ichloropropene, trans-1,3	SNL0093035	LWDS-MW1	0	15-APR-93	8240	5	U	5	TB
ichloropropene, trans-1,3	SNL0093045	LWDS-MW1	0	17-APR-93	8240	5	U	5	TB
ichloropropene, trans-1,3	SNL0093082	LWDS-MW1	0	21-APR-93	8240	5	U	5	TB
ichloropropene, trans-1,3	SNL0093092	LWDS-MW1	0	27-APR-93	8240	5	U	5	TB
ichloropropene, trans-1,3	SNL0093105	LWDS-MW1	0	28-APR-93	8240	5	U	5	EB
ichloropropene, trans-1,3	SNL0093114	LWDS-MW1	0	28-APR-93	8240	5	U	5	TB
ichloropropene, trans-1,3	SNL0093124	LWDS-MW1	0	30-APR-93	8240	5	U	5	TB
ichloropropene, trans-1,3	SNL0093135	LWDS-MW1	0	03-MAY-93	8240	5	U	5	TB
ichloropropene, trans-1,3	SNL0093236	LWDS-04-BH09	0	18-MAR-94	8240	5	U	5	EB
ichloropropene, trans-1,3	SNL0093244	LWDS-04-BH09	0	18-MAR-94	8240	5	U	5	TB
ichloropropene, trans-1,3	SNL0093245	LWDS-04-BH09	0	18-MAR-94	8240	5	U	5	TB
ichloropropene, trans-1,3	SNL0093274	LWDS-04-BH10	0	19-MAR-94	8240	5	U	5	EB
ichloropropene, trans-1,3	SNL0093285	LWDS-04-BH10	0	19-MAR-94	8240	5	U	5	TB
ichloropropene, trans-1,3	SNL0093286	LWDS-04-BH10	0	19-MAR-94	8240	5	U	5	TB
ichloropropene, trans-1,3	SNL0093367	LWDS-05-BH13	0	22-MAR-94	8240	5	U	5	EB
ichloropropene, trans-1,3	SNL0093375	LWDS-05-BH13	0	22-MAR-94	8240	5	U	5	TB
ichloropropene, trans-1,3	SNL0093376	LWDS-05-BH13	0	22-MAR-94	8240	5	U	5	TB
ichloropropene, trans-1,3	SNL0093457	LWDS-05-BH12	0	21-MAR-94	8240	5	U	5	EB
ichloropropene, trans-1,3	SNL0093465	LWDS-05-BH12	0	21-MAR-94	8240	5	U	5	TB
ichloropropene, trans-1,3	SNL0093466	LWDS-05-BH12	0	21-MAR-94	8240	5	U	5	TB
ichloropropene, trans-1,3	SNL0093572	LWDS-05-BH11	0	20-MAR-94	8240	5	U	5	TB
ichloropropene, trans-1,3	SNL0093573	LWDS-05-BH11	0	20-MAR-94	8240	5	U	5	TB
ichloropropene, trans-1,3	SNL0093574	LWDS-05-BH11	0	20-MAR-94	8240	5	U	5	EB
ichloropropene, trans-1,3	SNL0093614	LWDS-52-BH16	0	24-MAR-94	8240	5	U	5	EB
ichloropropene, trans-1,3	SNL0093622	LWDS-52-BH16	0	24-MAR-94	8240	5	U	5	TB
ichloropropene, trans-1,3	SNL0093646	LWDS-05-BH14	0	23-MAR-94	8240	5	U	5	EB
ichloropropene, trans-1,3	SNL0093654	LWDS-05-BH14	0	23-MAR-94	8240	5	U	5	TB
ichloropropene, trans-1,3	SNL0093655	LWDS-05-BH14	0	23-MAR-94	8240	5	U	5	TB
ichloropropene, trans-1,3	SNL0093705	LWDS-52-BH15	0	23-MAR-94	8240	5	U	5	EB
ichloropropene, trans-1,3	SNL0094080	LWDS-MW1	0	10-MAR-94	8240	0.005	U	0.005	TB
ichloropropene, trans-1,3	SNL0094280	LWDS-MW1	0	31-MAY-94	8260	0.005	U	0.005	TB
ichloropropene, trans-1,3	SNL0094281	LWDS-MW1	0	06-JUN-94	8260	0.005	U	0.005	EB
ichloropropene, trans-1,3	SNL0094298	LWDS-MW1	0	31-MAY-94	8260	0.005	U	0.005	TB
ichloropropene, trans-1,3	SNL0094302	LWDS-MW1	0	31-AUG-94	8260	0.005	U	0.005	EB
ichloropropene, trans-1,3	SNL0094317	LWDS-MW1	0	24-AUG-94	8260	0.005	U	0.005	TB
ichloropropene, trans-1,3	SNL0094348	LWDS-MW1	0	24-AUG-94	8260	0.005	U	0.005	TB
ichloropropene, trans-1,3	SNL0094376	LWDS-MW1	0	07-OCT-94	8010	0.001	U	0.001	EB
ichloropropene, trans-1,3	SNL0094377	LWDS-MW1	0	07-OCT-94	8010	0.001	U	0.001	EB
ichloropropene, trans-1,3	SNL0094378	LWDS-MW1	0	07-OCT-94	8010	0.001	U	0.001	EB
ichloropropene, trans-1,3	SNL0094379	LWDS-MW1	0	07-OCT-94	8010	0.001	U	0.001	TB
ichloropropene, trans-1,3	SNL0094386	LWDS-MW1	0	30-NOV-94	8010	0.001	U	0.001	TB
ichloropropene, trans-1,3	SNL0094411	LWDS-MW2	0	06-JUN-94	8260	0.005	U	0.005	TB
ichloropropene, trans-1,3	SNL0094412	LWDS-MW2	0	30-NOV-94	8010	0.001	U	0.001	TB
ichloropropene, trans-1,3	SNL0094413	LWDS-MW2	0	07-DEC-94	8010	0.001	U	0.001	EB
ichloropropene, trans-1,3	SNL0094465	LWDS-MW1	0	18-MAR-96	8010	1	U	1	TB
ichloropropene, trans-1,3	SNL0094521	LWDS-MW2	0	21-SEP-95	8260	1	U	1	TB
ichloropropene, trans-1,3	SNL0094530	LWDS-MW1	0	25-SEP-95	8260	1	U	1	TB
ichloropropene, trans-1,3	SNL0094531	LWDS-MW1	0	25-SEP-95	8260	1	U	1	FB
ichloropropene, trans-1,3	SNL0094543	LWDS-MW2	0	14-DEC-95	8260	1	U	1	TB
ichloropropene, trans-1,3	SNL0094618	LWDS MW-2	0	27-FEB-95	8240	0.005	U	0.005	TB
ichloropropene, trans-1,3	SNL0094619	LWDS MW-2	0	01-MAR-95	8240	0.005	U	0.005	EB
ichloropropene, trans-1,3	SNL0094667	LWDS MW-1	0	02-MAR-95	8240	0.005	U	0.005	TB
ichloropropene, trans-1,3	SNL0094705	LWDS-MW2	0	12-JUN-95	8010	0.001	U	0.001	TB
ichloropropene, trans-1,3	SNL0094748	LWDS-MW2	0	12-JUN-95	8010	0.001	U	0.001	EB
ichloropropene, trans-1,3	SNL0094760	LWDS-MW1	0	14-JUN-95	8010	0.001	U	0.001	TB
ichloropropene, trans-1,3	SNL0099096	LWDS-MW2	0	24-JUN-93	8240	0.005	U	0.005	EB
ichloropropene, trans-1,3	SNL0099097	LWDS-MW2	0	24-JUN-93	8240	0.005	U	0.005	TB
ichloropropene, trans-1,3	SNL0099118	LWDS-MW1-DRUM	0	27-DEC-93	624	0.005	U	0.005	TB
ichloropropene, trans-1,3	031518-001	LWDS-MW1-TB		12-MAR-96	PA-SW846-80	0.03	U	0.03	TB
Dichlorphenol, 2,4-	SNL0090028	LWDS-04-BH01	0	08-AUG-92	8270	10	U	10	EB
Dichlorphenol, 2,4-	SNL0090031	LWDS-04-BH01	0	09-AUG-92	8270	10	U	10	EB
Dichlorphenol, 2,4-	SNL0090054	LWDS-04-BH02	0	10-AUG-92	8270	10	U	10	EB
Dichlorphenol, 2,4-	SNL0090596	LWDS-04-BH02	0	11-AUG-92	8270	10	U	10	EB
Dichlorphenol, 2,4-	SNL0090623	LWDS-04-BH03	0	12-AUG-92	8270	10	U	10	EB
Dichlorphenol, 2,4-	SNL0091158	LWDS-04-BH03	0	13-AUG-92	8270	10	U	10	EB

Table A-13. Trip blank and equipment blank results for ER Sites 4, 5, and 52.

Analyte	Sample Number	Sample Location	Sample Depth (Ft)	Sample Date	Analytical Method	Amount Detected (mg/L)	Qualifier	Method Detection Limit	Sample Type
Dichlorphenol, 2,4-	SNL0091172	LWDS-04-BH04	0	18-AUG-92	8270	10	U	10	EB
Dichlorphenol, 2,4-	SNL0091173	LWDS-04-BH04	0	18-AUG-92	8270	11	U	11	EB
Dichlorphenol, 2,4-	SNL0091192	LWDS-04-BH04	0	19-AUG-92	8270	10	U	10	EB
Dichlorphenol, 2,4-	SNL0091255	LWDS-04-BH05	0	20-AUG-92	8270	10	U	10	EB
Dichlorphenol, 2,4-	SNL0091273	LWDS-MW1	0	23-AUG-92	8270	10	U	10	EB
Dichlorphenol, 2,4-	SNL0091275	LWDS-MW1	0	22-AUG-92	8270	10	U	10	EB
Dichlorphenol, 2,4-	SNL0091292	LWDS-MW1	0	24-AUG-92	8270	10	U	10	EB
Dichlorphenol, 2,4-	SNL0091299	LWDS-MW1	0	25-AUG-92	8270	10	U	10	EB
Dichlorphenol, 2,4-	SNL0091934	LWDS-52-BH06	0	05-SEP-92	8270	10	U	10	EB
Dichlorphenol, 2,4-	SNL0091945	LWDS-52-BH08	0	05-SEP-92	8270	10	U	10	EB
Dichlorphenol, 2,4-	SNL0092792	LWDS-MW2	0	23-SEP-92	8270	10	U	10	EB
Dichlorphenol, 2,4-	SNL0092872	LWDS-MW2	0	08-OCT-92	8270	10	U	10	EB
Dichlorphenol, 2,4-	SNL0093106	LWDS-MW1	0	28-APR-93	8270	10	U	10	EB
Dichlorphenol, 2,4-	SNL0093237	LWDS-04-BH09	0	18-MAR-94	8270	10	U	10	EB
Dichlorphenol, 2,4-	SNL0093275	LWDS-04-BH10	0	19-MAR-94	8270	10	U	10	EB
Dichlorphenol, 2,4-	SNL0093368	LWDS-05-BH13	0	22-MAR-94	8270	10	U	10	EB
Dichlorphenol, 2,4-	SNL0093458	LWDS-05-BH12	0	21-MAR-94	8270	10	U	10	EB
Dichlorphenol, 2,4-	SNL0093575	LWDS-05-BH11	0	20-MAR-94	8270	10	U	10	EB
Dichlorphenol, 2,4-	SNL0093615	LWDS-52-BH16	0	24-MAR-94	8270	10	U	10	EB
Dichlorphenol, 2,4-	SNL0093647	LWDS-05-BH14	0	23-MAR-94	8270	10	U	10	EB
Dichlorphenol, 2,4-	SNL0093706	LWDS-52-BH15	0	23-MAR-94	8270	10	U	10	EB
Dichlorphenol, 2,4-	SNL0094017	LWDS-MW2	0	11-MAR-94	8270	0.01	U	0.01	EB
Dichlorphenol, 2,4-	SNL0094282	LWDS-MW1	0	06-JUN-94	8270	0.01	U	0.01	EB
Dichlorphenol, 2,4-	SNL0094303	LWDS-MW1	0	31-AUG-94	8270	0.01	U	0.01	EB
Dichlorphenol, 2,4-	SNL0094414	LWDS-MW2	0	07-DEC-94	8270	0.01	U	0.01	EB
Dichlorphenol, 2,4-	SNL0094620	LWDS MW-2	0	01-MAR-95	8270	0.01	U	0.01	EB
Dichlorphenol, 2,4-	SNL0094749	LWDS-MW2	0	12-JUN-95	8270	0.01	U	0.01	EB
Dichlorphenol, 2,4-	SNL0099100	LWDS-MW2	0	24-JUN-93	8270	0.01	U	0.01	EB
Diethylphthalate	SNL0090028	LWDS-04-BH01	0	08-AUG-92	8270	10	U	10	EB
Diethylphthalate	SNL0090031	LWDS-04-BH01	0	09-AUG-92	8270	10	U	10	EB
Diethylphthalate	SNL0090054	LWDS-04-BH02	0	10-AUG-92	8270	10	U	10	EB
Diethylphthalate	SNL0090596	LWDS-04-BH02	0	11-AUG-92	8270	10	U	10	EB
Diethylphthalate	SNL0090623	LWDS-04-BH03	0	12-AUG-92	8270	10	U	10	EB
Diethylphthalate	SNL0091158	LWDS-04-BH03	0	13-AUG-92	8270	10	U	10	EB
Diethylphthalate	SNL0091172	LWDS-04-BH04	0	18-AUG-92	8270	10	U	10	EB
Diethylphthalate	SNL0091173	LWDS-04-BH04	0	18-AUG-92	8270	11	U	11	EB
Diethylphthalate	SNL0091192	LWDS-04-BH04	0	19-AUG-92	8270	10	U	10	EB
Diethylphthalate	SNL0091255	LWDS-04-BH05	0	20-AUG-92	8270	10	U	10	EB
Diethylphthalate	SNL0091273	LWDS-MW1	0	23-AUG-92	8270	10	U	10	EB
Diethylphthalate	SNL0091275	LWDS-MW1	0	22-AUG-92	8270	10	U	10	EB
Diethylphthalate	SNL0091292	LWDS-MW1	0	24-AUG-92	8270	10	U	10	EB
Diethylphthalate	SNL0091299	LWDS-MW1	0	25-AUG-92	8270	10	U	10	EB
Diethylphthalate	SNL0091934	LWDS-52-BH06	0	05-SEP-92	8270	10	U	10	EB
Diethylphthalate	SNL0091945	LWDS-52-BH08	0	05-SEP-92	8270	10	U	10	EB
Diethylphthalate	SNL0092792	LWDS-MW2	0	23-SEP-92	8270	10	U	10	EB
Diethylphthalate	SNL0092872	LWDS-MW2	0	08-OCT-92	8270	10	U	10	EB
Diethylphthalate	SNL0093106	LWDS-MW1	0	28-APR-93	8270	10	U	10	EB
Diethylphthalate	SNL0093237	LWDS-04-BH09	0	18-MAR-94	8270	1.9	J	10	EB
Diethylphthalate	SNL0093275	LWDS-04-BH10	0	19-MAR-94	8270	10	U	10	EB
Diethylphthalate	SNL0093368	LWDS-05-BH13	0	22-MAR-94	8270	10	U	10	EB
Diethylphthalate	SNL0093458	LWDS-05-BH12	0	21-MAR-94	8270	10	U	10	EB
Diethylphthalate	SNL0093575	LWDS-05-BH11	0	20-MAR-94	8270	10	U	10	EB
Diethylphthalate	SNL0093615	LWDS-52-BH16	0	24-MAR-94	8270	10	U	10	EB
Diethylphthalate	SNL0093647	LWDS-05-BH14	0	23-MAR-94	8270	10	U	10	EB
Diethylphthalate	SNL0093706	LWDS-52-BH15	0	23-MAR-94	8270	10	U	10	EB
Diethylphthalate	SNL0094017	LWDS-MW2	0	11-MAR-94	8270	0.01	U	0.01	EB
Diethylphthalate	SNL0094282	LWDS-MW1	0	06-JUN-94	8270	0.01	U	0.01	EB
Diethylphthalate	SNL0094303	LWDS-MW1	0	31-AUG-94	8270	0.01	U	0.01	EB
Diethylphthalate	SNL0094414	LWDS-MW2	0	07-DEC-94	8270	0.01	U	0.01	EB
Diethylphthalate	SNL0094620	LWDS MW-2	0	01-MAR-95	8270	0.01	U	0.01	EB
Diethylphthalate	SNL0094749	LWDS-MW2	0	12-JUN-95	8270	0.01	U	0.01	EB
Diethylphthalate	SNL0099100	LWDS-MW2	0	24-JUN-93	8270	0.01	U	0.01	EB
Dimethylphenol, 2,4-	SNL0090028	LWDS-04-BH01	0	08-AUG-92	8270	10	U	10	EB
Dimethylphenol, 2,4-	SNL0090031	LWDS-04-BH01	0	09-AUG-92	8270	10	U	10	EB
Dimethylphenol, 2,4-	SNL0090054	LWDS-04-BH02	0	10-AUG-92	8270	10	U	10	EB
Dimethylphenol, 2,4-	SNL0090596	LWDS-04-BH02	0	11-AUG-92	8270	10	U	10	EB
Dimethylphenol, 2,4-	SNL0090623	LWDS-04-BH03	0	12-AUG-92	8270	10	U	10	EB
Dimethylphenol, 2,4-	SNL0091158	LWDS-04-BH03	0	13-AUG-92	8270	10	U	10	EB

Table A-13. Trip blank and equipment blank results for ER Sites 4, 5, and 52.

Analyte	Sample Number	Sample Location	Sample Depth (Ft)	Sample Date	Analytical Method	Amount Detected (mg/L)	Qualifier	Method Detection Limit	Sample Type
Dimethylphenol, 2,4-	SNL0091172	LWDS-04-BH04	0	18-AUG-92	8270	10	U	10	EB
Dimethylphenol, 2,4-	SNL0091173	LWDS-04-BH04	0	18-AUG-92	8270	11	U	11	EB
Dimethylphenol, 2,4-	SNL0091192	LWDS-04-BH04	0	19-AUG-92	8270	10	U	10	EB
Dimethylphenol, 2,4-	SNL0091255	LWDS-04-BH05	0	20-AUG-92	8270	10	U	10	EB
Dimethylphenol, 2,4-	SNL0091273	LWDS-MW1	0	23-AUG-92	8270	10	U	10	EB
Dimethylphenol, 2,4-	SNL0091275	LWDS-MW1	0	22-AUG-92	8270	10	U	10	EB
Dimethylphenol, 2,4-	SNL0091292	LWDS-MW1	0	24-AUG-92	8270	10	U	10	EB
Dimethylphenol, 2,4-	SNL0091299	LWDS-MW1	0	25-AUG-92	8270	10	U	10	EB
Dimethylphenol, 2,4-	SNL0091934	LWDS-52-BH06	0	05-SEP-92	8270	10	U	10	EB
Dimethylphenol, 2,4-	SNL0091945	LWDS-52-BH08	0	05-SEP-92	8270	10	U	10	EB
Dimethylphenol, 2,4-	SNL0092792	LWDS-MW2	0	23-SEP-92	8270	10	U	10	EB
Dimethylphenol, 2,4-	SNL0092872	LWDS-MW2	0	08-OCT-92	8270	10	U	10	EB
Dimethylphenol, 2,4-	SNL0093106	LWDS-MW1	0	28-APR-93	8270	10	U	10	EB
Dimethylphenol, 2,4-	SNL0093237	LWDS-04-BH09	0	18-MAR-94	8270	10	U	10	EB
Dimethylphenol, 2,4-	SNL0093275	LWDS-04-BH10	0	19-MAR-94	8270	10	U	10	EB
Dimethylphenol, 2,4-	SNL0093368	LWDS-05-BH13	0	22-MAR-94	8270	10	U	10	EB
Dimethylphenol, 2,4-	SNL0093458	LWDS-05-BH12	0	21-MAR-94	8270	10	U	10	EB
Dimethylphenol, 2,4-	SNL0093575	LWDS-05-BH11	0	20-MAR-94	8270	10	U	10	EB
Dimethylphenol, 2,4-	SNL0093615	LWDS-52-BH16	0	24-MAR-94	8270	10	U	10	EB
Dimethylphenol, 2,4-	SNL0093647	LWDS-05-BH14	0	23-MAR-94	8270	10	U	10	EB
Dimethylphenol, 2,4-	SNL0093706	LWDS-52-BH15	0	23-MAR-94	8270	10	U	10	EB
Dimethylphenol, 2,4-	SNL0094017	LWDS-MW2	0	11-MAR-94	8270	0.01	U	0.01	EB
Dimethylphenol, 2,4-	SNL0094282	LWDS-MW1	0	06-JUN-94	8270	0.01	U	0.01	EB
Dimethylphenol, 2,4-	SNL0094303	LWDS-MW1	0	31-AUG-94	8270	0.01	U	0.01	EB
Dimethylphenol, 2,4-	SNL0094414	LWDS-MW2	0	07-DEC-94	8270	0.01	U	0.01	EB
Dimethylphenol, 2,4-	SNL0094620	LWDS MW-2	0	01-MAR-95	8270	0.01	U	0.01	EB
Dimethylphenol, 2,4-	SNL0094749	LWDS-MW2	0	12-JUN-95	8270	0.01	U	0.01	EB
Dimethylphenol, 2,4-	SNL0099100	LWDS-MW2	0	24-JUN-93	8270	0.01	U	0.01	EB
Dimethylphthalate	SNL0090028	LWDS-04-BH01	0	08-AUG-92	8270	10	U	10	EB
Dimethylphthalate	SNL0090031	LWDS-04-BH01	0	09-AUG-92	8270	10	U	10	EB
Dimethylphthalate	SNL0090054	LWDS-04-BH02	0	10-AUG-92	8270	10	U	10	EB
Dimethylphthalate	SNL0090596	LWDS-04-BH02	0	11-AUG-92	8270	10	U	10	EB
Dimethylphthalate	SNL0090623	LWDS-04-BH03	0	12-AUG-92	8270	10	U	10	EB
Dimethylphthalate	SNL0091158	LWDS-04-BH03	0	13-AUG-92	8270	10	U	10	EB
Dimethylphthalate	SNL0091172	LWDS-04-BH04	0	18-AUG-92	8270	10	U	10	EB
Dimethylphthalate	SNL0091173	LWDS-04-BH04	0	18-AUG-92	8270	11	U	11	EB
Dimethylphthalate	SNL0091192	LWDS-04-BH04	0	19-AUG-92	8270	10	U	10	EB
Dimethylphthalate	SNL0091255	LWDS-04-BH05	0	20-AUG-92	8270	10	U	10	EB
Dimethylphthalate	SNL0091273	LWDS-MW1	0	23-AUG-92	8270	10	U	10	EB
Dimethylphthalate	SNL0091275	LWDS-MW1	0	22-AUG-92	8270	10	U	10	EB
Dimethylphthalate	SNL0091292	LWDS-MW1	0	24-AUG-92	8270	10	U	10	EB
Dimethylphthalate	SNL0091299	LWDS-MW1	0	25-AUG-92	8270	10	U	10	EB
Dimethylphthalate	SNL0091934	LWDS-52-BH06	0	05-SEP-92	8270	10	U	10	EB
Dimethylphthalate	SNL0091945	LWDS-52-BH08	0	05-SEP-92	8270	10	U	10	EB
Dimethylphthalate	SNL0092792	LWDS-MW2	0	23-SEP-92	8270	10	U	10	EB
Dimethylphthalate	SNL0092872	LWDS-MW2	0	08-OCT-92	8270	10	U	10	EB
Dimethylphthalate	SNL0093106	LWDS-MW1	0	28-APR-93	8270	10	U	10	EB
Dimethylphthalate	SNL0093237	LWDS-04-BH09	0	18-MAR-94	8270	10	U	10	EB
Dimethylphthalate	SNL0093275	LWDS-04-BH10	0	19-MAR-94	8270	10	U	10	EB
Dimethylphthalate	SNL0093368	LWDS-05-BH13	0	22-MAR-94	8270	10	U	10	EB
Dimethylphthalate	SNL0093458	LWDS-05-BH12	0	21-MAR-94	8270	10	U	10	EB
Dimethylphthalate	SNL0093575	LWDS-05-BH11	0	20-MAR-94	8270	10	U	10	EB
Dimethylphthalate	SNL0093615	LWDS-52-BH16	0	24-MAR-94	8270	10	U	10	EB
Dimethylphthalate	SNL0093647	LWDS-05-BH14	0	23-MAR-94	8270	10	U	10	EB
Dimethylphthalate	SNL0093706	LWDS-52-BH15	0	23-MAR-94	8270	10	U	10	EB
Dimethylphthalate	SNL0094017	LWDS-MW2	0	11-MAR-94	8270	0.01	U	0.01	EB
Dimethylphthalate	SNL0094282	LWDS-MW1	0	06-JUN-94	8270	0.01	U	0.01	EB
Dimethylphthalate	SNL0094303	LWDS-MW1	0	31-AUG-94	8270	0.01	U	0.01	EB
Dimethylphthalate	SNL0094414	LWDS-MW2	0	07-DEC-94	8270	0.01	U	0.01	EB
Dimethylphthalate	SNL0094620	LWDS MW-2	0	01-MAR-95	8270	0.01	U	0.01	EB
Dimethylphthalate	SNL0094749	LWDS-MW2	0	12-JUN-95	8270	0.01	U	0.01	EB
Dimethylphthalate	SNL0099100	LWDS-MW2	0	24-JUN-93	8270	0.01	U	0.01	EB
Dinitro-o-cresol	SNL0094620	LWDS MW-2	0	01-MAR-95	8270	0.05	U	0.05	EB
Dinitro-o-cresol	SNL0094749	LWDS-MW2	0	12-JUN-95	8270	0.05	U	0.05	EB
Dinitro-o-cresol, 4,6-	SNL0090028	LWDS-04-BH01	0	08-AUG-92	8270	50	U	50	EB
Dinitro-o-cresol, 4,6-	SNL0090031	LWDS-04-BH01	0	09-AUG-92	8270	50	U	50	EB
Dinitro-o-cresol, 4,6-	SNL0090054	LWDS-04-BH02	0	10-AUG-92	8270	50	U	50	EB
Dinitro-o-cresol, 4,6-	SNL0090596	LWDS-04-BH02	0	11-AUG-92	8270	52	U	52	EB

Table A-13. Trip blank and equipment blank results for ER Sites 4, 5, and 52.

Analyte	Sample Number	Sample Location	Sample Depth (Ft)	Sample Date	Analytical Method	Amount Detected (mg/L)	Qualifier	Method Detection Limit	Sample Type
Dinitro-o-cresol, 4,6-	SNL0090623	LWDS-04-BH03	0	12-AUG-92	8270	50	U	50	EB
Dinitro-o-cresol, 4,6-	SNL0091158	LWDS-04-BH03	0	13-AUG-92	8270	50	U	50	EB
Dinitro-o-cresol, 4,6-	SNL0091172	LWDS-04-BH04	0	18-AUG-92	8270	50	U	50	EB
Dinitro-o-cresol, 4,6-	SNL0091173	LWDS-04-BH04	0	18-AUG-92	8270	53	U	53	EB
Dinitro-o-cresol, 4,6-	SNL0091192	LWDS-04-BH04	0	19-AUG-92	8270	52	U	52	EB
Dinitro-o-cresol, 4,6-	SNL0091255	LWDS-04-BH05	0	20-AUG-92	8270	52	U	52	EB
Dinitro-o-cresol, 4,6-	SNL0091273	LWDS-MW1	0	23-AUG-92	8270	50	U	50	EB
Dinitro-o-cresol, 4,6-	SNL0091275	LWDS-MW1	0	22-AUG-92	8270	50	U	50	EB
Dinitro-o-cresol, 4,6-	SNL0091292	LWDS-MW1	0	24-AUG-92	8270	50	U	50	EB
Dinitro-o-cresol, 4,6-	SNL0091299	LWDS-MW1	0	25-AUG-92	8270	50	U	50	EB
Dinitro-o-cresol, 4,6-	SNL0091934	LWDS-52-BH06	0	05-SEP-92	8270	50	U	50	EB
Dinitro-o-cresol, 4,6-	SNL0091945	LWDS-52-BH08	0	05-SEP-92	8270	50	U	50	EB
Dinitro-o-cresol, 4,6-	SNL0092792	LWDS-MW2	0	23-SEP-92	8270	50	U	50	EB
Dinitro-o-cresol, 4,6-	SNL0092872	LWDS-MW2	0	08-OCT-92	8270	50	U	50	EB
Dinitro-o-cresol, 4,6-	SNL0093106	LWDS-MW1	0	28-APR-93	8270	50	U	50	EB
Dinitro-o-cresol, 4,6-	SNL0093237	LWDS-04-BH09	0	18-MAR-94	8270	50	U	50	EB
Dinitro-o-cresol, 4,6-	SNL0093275	LWDS-04-BH10	0	19-MAR-94	8270	50	U	50	EB
Dinitro-o-cresol, 4,6-	SNL0093368	LWDS-05-BH13	0	22-MAR-94	8270	50	U	50	EB
Dinitro-o-cresol, 4,6-	SNL0093458	LWDS-05-BH12	0	21-MAR-94	8270	50	U	50	EB
Dinitro-o-cresol, 4,6-	SNL0093575	LWDS-05-BH11	0	20-MAR-94	8270	50	U	50	EB
Dinitro-o-cresol, 4,6-	SNL0093615	LWDS-52-BH16	0	24-MAR-94	8270	50	U	50	EB
Dinitro-o-cresol, 4,6-	SNL0093647	LWDS-05-BH14	0	23-MAR-94	8270	50	U	50	EB
Dinitro-o-cresol, 4,6-	SNL0093706	LWDS-52-BH15	0	23-MAR-94	8270	50	U	50	EB
Dinitro-o-cresol, 4,6-	SNL0094017	LWDS-MW2	0	11-MAR-94	8270	0.05	U	0.05	EB
Dinitro-o-cresol, 4,6-	SNL0094282	LWDS-MW1	0	06-JUN-94	8270	0.05	U	0.05	EB
Dinitro-o-cresol, 4,6-	SNL0094303	LWDS-MW1	0	31-AUG-94	8270	0.05	U	0.05	EB
Dinitro-o-cresol, 4,6-	SNL0094414	LWDS-MW2	0	07-DEC-94	8270	0.05	U	0.05	EB
Dinitro-o-cresol, 4,6-	SNL0099100	LWDS-MW2	0	24-JUN-93	8270	0.05	U	0.05	EB
Dinitrophenol, 2,4-	SNL0090028	LWDS-04-BH01	0	08-AUG-92	8270	50	U	50	EB
Dinitrophenol, 2,4-	SNL0090031	LWDS-04-BH01	0	09-AUG-92	8270	50	U	50	EB
Dinitrophenol, 2,4-	SNL0090054	LWDS-04-BH02	0	10-AUG-92	8270	50	U	50	EB
Dinitrophenol, 2,4-	SNL0090596	LWDS-04-BH02	0	11-AUG-92	8270	52	U	52	EB
Dinitrophenol, 2,4-	SNL0090623	LWDS-04-BH03	0	12-AUG-92	8270	50	U	50	EB
Dinitrophenol, 2,4-	SNL0091158	LWDS-04-BH03	0	13-AUG-92	8270	50	U	50	EB
Dinitrophenol, 2,4-	SNL0091172	LWDS-04-BH04	0	18-AUG-92	8270	50	U	50	EB
Dinitrophenol, 2,4-	SNL0091173	LWDS-04-BH04	0	18-AUG-92	8270	53	U	53	EB
Dinitrophenol, 2,4-	SNL0091192	LWDS-04-BH04	0	19-AUG-92	8270	52	U	52	EB
Dinitrophenol, 2,4-	SNL0091255	LWDS-04-BH05	0	20-AUG-92	8270	52	U	52	EB
Dinitrophenol, 2,4-	SNL0091273	LWDS-MW1	0	23-AUG-92	8270	50	U	50	EB
Dinitrophenol, 2,4-	SNL0091275	LWDS-MW1	0	22-AUG-92	8270	50	U	50	EB
Dinitrophenol, 2,4-	SNL0091292	LWDS-MW1	0	24-AUG-92	8270	50	U	50	EB
Dinitrophenol, 2,4-	SNL0091299	LWDS-MW1	0	25-AUG-92	8270	50	U	50	EB
Dinitrophenol, 2,4-	SNL0091934	LWDS-52-BH06	0	05-SEP-92	8270	50	U	50	EB
Dinitrophenol, 2,4-	SNL0091945	LWDS-52-BH08	0	05-SEP-92	8270	50	U	50	EB
Dinitrophenol, 2,4-	SNL0092792	LWDS-MW2	0	23-SEP-92	8270	50	U	50	EB
Dinitrophenol, 2,4-	SNL0092872	LWDS-MW2	0	08-OCT-92	8270	50	U	50	EB
Dinitrophenol, 2,4-	SNL0093106	LWDS-MW1	0	28-APR-93	8270	50	U	50	EB
Dinitrophenol, 2,4-	SNL0093237	LWDS-04-BH09	0	18-MAR-94	8270	50	U	50	EB
Dinitrophenol, 2,4-	SNL0093275	LWDS-04-BH10	0	19-MAR-94	8270	50	U	50	EB
Dinitrophenol, 2,4-	SNL0093368	LWDS-05-BH13	0	22-MAR-94	8270	50	U	50	EB
Dinitrophenol, 2,4-	SNL0093458	LWDS-05-BH12	0	21-MAR-94	8270	50	U	50	EB
Dinitrophenol, 2,4-	SNL0093575	LWDS-05-BH11	0	20-MAR-94	8270	50	U	50	EB
Dinitrophenol, 2,4-	SNL0093615	LWDS-52-BH16	0	24-MAR-94	8270	50	U	50	EB
Dinitrophenol, 2,4-	SNL0093647	LWDS-05-BH14	0	23-MAR-94	8270	50	U	50	EB
Dinitrophenol, 2,4-	SNL0093706	LWDS-52-BH15	0	23-MAR-94	8270	50	U	50	EB
Dinitrophenol, 2,4-	SNL0094017	LWDS-MW2	0	11-MAR-94	8270	0.05	U	0.05	EB
Dinitrophenol, 2,4-	SNL0094282	LWDS-MW1	0	06-JUN-94	8270	0.05	U	0.05	EB
Dinitrophenol, 2,4-	SNL0094303	LWDS-MW1	0	31-AUG-94	8270	0.05	U	0.05	EB
Dinitrophenol, 2,4-	SNL0094414	LWDS-MW2	0	07-DEC-94	8270	0.05	U	0.05	EB
Dinitrophenol, 2,4-	SNL0094620	LWDS MW-2	0	01-MAR-95	8270	0.05	U	0.05	EB
Dinitrophenol, 2,4-	SNL0094749	LWDS-MW2	0	12-JUN-95	8270	0.05	U	0.05	EB
Dinitrophenol, 2,4-	SNL0099100	LWDS-MW2	0	24-JUN-93	8270	0.05	U	0.05	EB
Dinitrotoluene, 2,4-	SNL0094620	LWDS MW-2	0	01-MAR-95	8270	0.01	U	0.01	EB
Dinitrotoluene, 2,4-	SNL0094749	LWDS-MW2	0	12-JUN-95	8270	0.01	U	0.01	EB
Dinitrotoluene, 2,6-	SNL0090028	LWDS-04-BH01	0	08-AUG-92	8270	10	U	10	EB
Dinitrotoluene, 2,6-	SNL0090031	LWDS-04-BH01	0	09-AUG-92	8270	10	U	10	EB
Dinitrotoluene, 2,6-	SNL0090054	LWDS-04-BH02	0	10-AUG-92	8270	10	U	10	EB
Dinitrotoluene, 2,6-	SNL0090596	LWDS-04-BH02	0	11-AUG-92	8270	10	U	10	EB

Table A-13. Trip blank and equipment blank results for ER Sites 4, 5, and 52.

Analyte	Sample Number	Sample Location	Sample Depth (Ft)	Sample Date	Analytical Method	Amount Detected (mg/L)	Qualifier	Method Detection Limit	Sample Type
Dinitrotoluene, 2,6-	SNL0090623	LWDS-04-BH03	0	12-AUG-92	8270	10	U	10	EB
Dinitrotoluene, 2,6-	SNL0091158	LWDS-04-BH03	0	13-AUG-92	8270	10	U	10	EB
Dinitrotoluene, 2,6-	SNL0091172	LWDS-04-BH04	0	18-AUG-92	8270	10	U	10	EB
Dinitrotoluene, 2,6-	SNL0091173	LWDS-04-BH04	0	18-AUG-92	8270	11	U	11	EB
Dinitrotoluene, 2,6-	SNL0091192	LWDS-04-BH04	0	19-AUG-92	8270	10	U	10	EB
Dinitrotoluene, 2,6-	SNL0091255	LWDS-04-BH05	0	20-AUG-92	8270	10	U	10	EB
Dinitrotoluene, 2,6-	SNL0091273	LWDS-MW1	0	23-AUG-92	8270	10	U	10	EB
Dinitrotoluene, 2,6-	SNL0091275	LWDS-MW1	0	22-AUG-92	8270	10	U	10	EB
Dinitrotoluene, 2,6-	SNL0091292	LWDS-MW1	0	24-AUG-92	8270	10	U	10	EB
Dinitrotoluene, 2,6-	SNL0091299	LWDS-MW1	0	25-AUG-92	8270	10	U	10	EB
Dinitrotoluene, 2,6-	SNL0091934	LWDS-52-BH06	0	05-SEP-92	8270	10	U	10	EB
Dinitrotoluene, 2,6-	SNL0091945	LWDS-52-BH08	0	05-SEP-92	8270	10	U	10	EB
Dinitrotoluene, 2,6-	SNL0092792	LWDS-MW2	0	23-SEP-92	8270	10	U	10	EB
Dinitrotoluene, 2,6-	SNL0092872	LWDS-MW2	0	08-OCT-92	8270	10	U	10	EB
Dinitrotoluene, 2,6-	SNL0093106	LWDS-MW1	0	28-APR-93	8270	10	U	10	EB
Dinitrotoluene, 2,6-	SNL0093237	LWDS-04-BH09	0	18-MAR-94	8270	10	U	10	EB
Dinitrotoluene, 2,6-	SNL0093275	LWDS-04-BH10	0	19-MAR-94	8270	10	U	10	EB
Dinitrotoluene, 2,6-	SNL0093368	LWDS-05-BH13	0	22-MAR-94	8270	10	U	10	EB
Dinitrotoluene, 2,6-	SNL0093458	LWDS-05-BH12	0	21-MAR-94	8270	10	U	10	EB
Dinitrotoluene, 2,6-	SNL0093575	LWDS-05-BH11	0	20-MAR-94	8270	10	U	10	EB
Dinitrotoluene, 2,6-	SNL0093615	LWDS-52-BH16	0	24-MAR-94	8270	10	U	10	EB
Dinitrotoluene, 2,6-	SNL0093647	LWDS-05-BH14	0	23-MAR-94	8270	10	U	10	EB
Dinitrotoluene, 2,6-	SNL0093706	LWDS-52-BH15	0	23-MAR-94	8270	10	U	10	EB
Dinitrotoluene, 2,6-	SNL0094017	LWDS-MW2	0	11-MAR-94	8270	0.01	U	0.01	EB
Dinitrotoluene, 2,6-	SNL0094282	LWDS-MW1	0	06-JUN-94	8270	0.01	U	0.01	EB
Dinitrotoluene, 2,6-	SNL0094303	LWDS-MW1	0	31-AUG-94	8270	0.01	U	0.01	EB
Dinitrotoluene, 2,6-	SNL0094414	LWDS-MW2	0	07-DEC-94	8270	0.01	U	0.01	EB
Dinitrotoluene, 2,6-	SNL0094620	LWDS MW-2	0	01-MAR-95	8270	0.01	U	0.01	EB
Dinitrotoluene, 2,6-	SNL0094749	LWDS-MW2	0	12-JUN-95	8270	0.01	U	0.01	EB
Dinitrotoluene, 2,6-	SNL0099100	LWDS-MW2	0	24-JUN-93	8270	0.01	U	0.01	EB
Diphenylhydrazine, 1,2-	SNL0094017	LWDS-MW2	0	11-MAR-94	8270	0.01	U	0.01	EB
Ethyl benzene	SNL0090027	LWDS-04-BH01	0	08-AUG-92	8240	5	U	5	EB
Ethyl benzene	SNL0090029	LWDS-04-BH01	0	08-AUG-92	8240	5	U	5	TB
Ethyl benzene	SNL0090030	LWDS-04-BH01	0	09-AUG-92	8240	5	U	5	EB
Ethyl benzene	SNL0090032	LWDS-04-BH01	0	09-AUG-92	8240	5	U	5	TB
Ethyl benzene	SNL0090053	LWDS-04-BH02	0	10-AUG-92	8240	5	U	5	EB
Ethyl benzene	SNL0090055	LWDS-04-BH02	0	10-AUG-92	8240	5	U	5	TB
Ethyl benzene	SNL0090162	LWDS-SS	0	16-JUL-92	8240	5	U	5	TB
Ethyl benzene	SNL0090163	LWDS-SS	0	16-JUL-92	8240	5	U	5	TB
Ethyl benzene	SNL0090416	LWDS-SS	0	16-JUL-92	8240	5	U	5	TB
Ethyl benzene	SNL0090595	LWDS-04-BH02	0	11-AUG-92	8240	5	U	5	EB
Ethyl benzene	SNL0090597	LWDS-04-BH02	0	11-AUG-92	8240	5	U	5	TB
Ethyl benzene	SNL0090622	LWDS-04-BH03	0	12-AUG-92	8240	5	U	5	EB
Ethyl benzene	SNL0090624	LWDS-04-BH03	0	12-AUG-92	8240	5	U	5	TB
Ethyl benzene	SNL0090737	LWDS-SS	0	17-JUL-92	8240	5	U	5	TB
Ethyl benzene	SNL0090934	LWDS-SS	0	17-JUL-92	8240	5	U	5	TB
Ethyl benzene	SNL0091118	LWDS-SS	0	20-JUL-92	8240	5	U	5	TB
Ethyl benzene	SNL0091157	LWDS-04-BH03	0	13-AUG-92	8240	5	U	5	EB
Ethyl benzene	SNL0091171	LWDS-04-BH04	0	18-AUG-92	8240	5	U	5	EB
Ethyl benzene	SNL0091174	LWDS-04-BH04	0	18-AUG-92	8240	5	U	5	TB
Ethyl benzene	SNL0091191	LWDS-04-BH04	0	19-AUG-92	8240	5	U	5	EB
Ethyl benzene	SNL0091193	LWDS-04-BH04	0	19-AUG-92	8240	5	U	5	TB
Ethyl benzene	SNL0091242	LWDS-04-BH05	0	20-AUG-92	8240	5	U	5	TB
Ethyl benzene	SNL0091256	LWDS-04-BH05	0	20-AUG-92	8240	5	U	5	EB
Ethyl benzene	SNL0091257	LWDS-04-BH05	0	20-AUG-92	8240	5	U	5	TB
Ethyl benzene	SNL0091272	LWDS-MW1	0	23-AUG-92	8240	5	U	5	EB
Ethyl benzene	SNL0091274	LWDS-MW1	0	22-AUG-92	8240	5	U	5	EB
Ethyl benzene	SNL0091276	LWDS-MW1	0	22-AUG-92	8240	5	U	5	TB
Ethyl benzene	SNL0091291	LWDS-MW1	0	24-AUG-92	8240	5	U	5	EB
Ethyl benzene	SNL0091293	LWDS-MW1	0	24-AUG-92	8240	5	U	5	TB
Ethyl benzene	SNL0091298	LWDS-MW1	0	25-AUG-92	8240	5	U	5	EB
Ethyl benzene	SNL0091300	LWDS-MW1	0	25-AUG-92	8240	5	U	5	TB
Ethyl benzene	SNL0091933	LWDS-52-BH06	0	05-SEP-92	8240	5	U	5	EB
Ethyl benzene	SNL0091935	LWDS-52-BH06	0	05-SEP-92	8240	5	U	5	TB
Ethyl benzene	SNL0091944	LWDS-52-BH08	0	05-SEP-92	8240	5	U	5	EB
Ethyl benzene	SNL0092723	LWDS-MW2	0	18-SEP-92	8240	5	U	5	TB
Ethyl benzene	SNL0092746	LWDS-MW2	0	21-SEP-92	8240	5	U	5	TB
Ethyl benzene	SNL0092791	LWDS-MW2	0	23-SEP-92	8240	5	U	5	EB

Table A-13. Trip blank and equipment blank results for ER Sites 4, 5, and 52.

Analyte	Sample Number	Sample Location	Sample Depth (Ft)	Sample Date	Analytical Method	Amount Detected (mg/L)	Qualifier	Method Detection Limit	Sample Type
Ethyl benzene	SNL0092801	LWDS-MW2	0	23-SEP-92	8240	5	U	5	TB
Ethyl benzene	SNL0092835	LWDS-MW2	0	24-SEP-92	8240	5	U	5	TB
Ethyl benzene	SNL0092847	LWDS-MW2	0	01-OCT-92	8240	5	U	5	TB
Ethyl benzene	SNL0092859	LWDS-MW2	0	02-OCT-92	8240	5	U	5	TB
Ethyl benzene	SNL0092871	LWDS-MW2	0	08-OCT-92	8240	5	U	5	EB
Ethyl benzene	SNL0092881	LWDS-MW2	0	08-OCT-92	8240	5	U	5	TB
Ethyl benzene	SNL0092948	LWDS-MW2	0	17-OCT-92	8240	5	U	5	TB
Ethyl benzene	SNL0092970	LWDS-MW2	0	21-OCT-92	8240	5	U	5	TB
Ethyl benzene	SNL0092989	LWDS-MW1	0	06-APR-93	8240	5	U	5	TB
Ethyl benzene	SNL0093002	LWDS-MW1	0	08-APR-93	8240	5	U	5	TB
Ethyl benzene	SNL0093003	LWDS-MW1	0	13-APR-93	8240	5	U	5	TB
Ethyl benzene	SNL0093013	LWDS-MW1	0	14-APR-93	8240	5	U	5	TB
Ethyl benzene	SNL0093035	LWDS-MW1	0	15-APR-93	8240	5	U	5	TB
Ethyl benzene	SNL0093045	LWDS-MW1	0	17-APR-93	8240	5	U	5	TB
Ethyl benzene	SNL0093082	LWDS-MW1	0	21-APR-93	8240	5	U	5	TB
Ethyl benzene	SNL0093092	LWDS-MW1	0	27-APR-93	8240	5	U	5	TB
Ethyl benzene	SNL0093105	LWDS-MW1	0	28-APR-93	8240	5	U	5	EB
Ethyl benzene	SNL0093114	LWDS-MW1	0	28-APR-93	8240	5	U	5	TB
Ethyl benzene	SNL0093124	LWDS-MW1	0	30-APR-93	8240	5	U	5	TB
Ethyl benzene	SNL0093135	LWDS-MW1	0	03-MAY-93	8240	5	U	5	TB
Ethyl benzene	SNL0093236	LWDS-04-BH09	0	18-MAR-94	8240	5	U	5	EB
Ethyl benzene	SNL0093244	LWDS-04-BH09	0	18-MAR-94	8240	5	U	5	TB
Ethyl benzene	SNL0093245	LWDS-04-BH09	0	18-MAR-94	8240	5	U	5	TB
Ethyl benzene	SNL0093274	LWDS-04-BH10	0	19-MAR-94	8240	5	U	5	EB
Ethyl benzene	SNL0093285	LWDS-04-BH10	0	19-MAR-94	8240	5	U	5	TB
Ethyl benzene	SNL0093286	LWDS-04-BH10	0	19-MAR-94	8240	5	U	5	TB
Ethyl benzene	SNL0093367	LWDS-05-BH13	0	22-MAR-94	8240	5	U	5	EB
Ethyl benzene	SNL0093375	LWDS-05-BH13	0	22-MAR-94	8240	5	U	5	TB
Ethyl benzene	SNL0093376	LWDS-05-BH13	0	22-MAR-94	8240	5	U	5	TB
Ethyl benzene	SNL0093457	LWDS-05-BH12	0	21-MAR-94	8240	5	U	5	EB
Ethyl benzene	SNL0093465	LWDS-05-BH12	0	21-MAR-94	8240	5	U	5	TB
Ethyl benzene	SNL0093466	LWDS-05-BH12	0	21-MAR-94	8240	5	U	5	TB
Ethyl benzene	SNL0093572	LWDS-05-BH11	0	20-MAR-94	8240	5	U	5	TB
Ethyl benzene	SNL0093573	LWDS-05-BH11	0	20-MAR-94	8240	5	U	5	TB
Ethyl benzene	SNL0093574	LWDS-05-BH11	0	20-MAR-94	8240	5	U	5	EB
Ethyl benzene	SNL0093614	LWDS-52-BH16	0	24-MAR-94	8240	5	U	5	EB
Ethyl benzene	SNL0093622	LWDS-52-BH16	0	24-MAR-94	8240	5	U	5	TB
Ethyl benzene	SNL0093646	LWDS-05-BH14	0	23-MAR-94	8240	5	U	5	EB
Ethyl benzene	SNL0093654	LWDS-05-BH14	0	23-MAR-94	8240	5	U	5	TB
Ethyl benzene	SNL0093655	LWDS-05-BH14	0	23-MAR-94	8240	5	U	5	TB
Ethyl benzene	SNL0093705	LWDS-52-BH15	0	23-MAR-94	8240	5	U	5	EB
Ethyl benzene	SNL0094080	LWDS-MW1	0	10-MAR-94	8240	0.005	U	0.005	TB
Ethyl benzene	SNL0094280	LWDS-MW1	0	31-MAY-94	8260	0.001	U	0.001	TB
Ethyl benzene	SNL0094281	LWDS-MW1	0	06-JUN-94	8260	0.001	U	0.001	EB
Ethyl benzene	SNL0094298	LWDS-MW1	0	31-MAY-94	8260	0.001	U	0.001	TB
Ethyl benzene	SNL0094302	LWDS-MW1	0	31-AUG-94	8260	0.001	U	0.001	EB
Ethyl benzene	SNL0094317	LWDS-MW1	0	24-AUG-94	8260	0.001	U	0.001	TB
Ethyl benzene	SNL0094348	LWDS-MW1	0	24-AUG-94	8260	0.005	U	0.005	TB
Ethyl benzene	SNL0094411	LWDS-MW2	0	06-JUN-94	8260	0.001	U	0.001	TB
Ethyl benzene	SNL0094466	LWDS-MW1	0	18-MAR-96	8020	0.5	U	0.5	TB
Ethyl benzene	SNL0094543	LWDS-MW2	0	14-DEC-95	8260	1	U	1	TB
Ethyl benzene	SNL0094618	LWDS MW-2	0	27-FEB-95	8240	0.005	U	0.005	TB
Ethyl benzene	SNL0094619	LWDS MW-2	0	01-MAR-95	8240	0.005	U	0.005	EB
Ethyl benzene	SNL0094667	LWDS MW-1	0	02-MAR-95	8240	0.005	U	0.005	TB
Ethyl benzene	SNL0099096	LWDS-MW2	0	24-JUN-93	8240	0.005	U	0.005	EB
Ethyl benzene	SNL0099097	LWDS-MW2	0	24-JUN-93	8240	0.005	U	0.005	TB
Ethyl benzene	SNL0099118	LWDS-MW1-DRUM	0	27-DEC-93	624	0.005	U	0.005	TB
Ethyl benzene	031518-001	LWDS-MW1-TB		12-MAR-96	PA-SW846-802	0.045	U	0.045	TB
thylhexyl)phthalate, bis(2	SNL0090028	LWDS-04-BH01	0	08-AUG-92	8270	10		10	EB
thylhexyl)phthalate, bis(2	SNL0090031	LWDS-04-BH01	0	09-AUG-92	8270	10	U	10	EB
thylhexyl)phthalate, bis(2	SNL0090054	LWDS-04-BH02	0	10-AUG-92	8270	10	U	10	EB
thylhexyl)phthalate, bis(2	SNL0090596	LWDS-04-BH02	0	11-AUG-92	8270	10	U	10	EB
thylhexyl)phthalate, bis(2	SNL0090623	LWDS-04-BH03	0	12-AUG-92	8270	10	U	10	EB
thylhexyl)phthalate, bis(2	SNL0091158	LWDS-04-BH03	0	13-AUG-92	8270	10	U	10	EB
thylhexyl)phthalate, bis(2	SNL0091172	LWDS-04-BH04	0	18-AUG-92	8270	30	B	10	EB
thylhexyl)phthalate, bis(2	SNL0091173	LWDS-04-BH04	0	18-AUG-92	8270	11	U	11	EB
thylhexyl)phthalate, bis(2	SNL0091192	LWDS-04-BH04	0	19-AUG-92	8270	10	U	10	EB
thylhexyl)phthalate, bis(2	SNL0091255	LWDS-04-BH05	0	20-AUG-92	8270	27	B	10	EB

Table A-13. Trip blank and equipment blank results for ER Sites 4, 5, and 52.

Analyte	Sample Number	Sample Location	Sample Depth (Ft)	Sample Date	Analytical Method	Amount Detected (mg/L)	Qualifier	Method Detection Limit	Sample Type
thylhexyl)phthalate, bis(2	SNL0091273	LWDS-MW1	0	23-AUG-92	8270	45	B	10	EB
thylhexyl)phthalate, bis(2	SNL0091275	LWDS-MW1	0	22-AUG-92	8270	10	U	10	EB
thylhexyl)phthalate, bis(2	SNL0091292	LWDS-MW1	0	24-AUG-92	8270	10	B	10	EB
thylhexyl)phthalate, bis(2	SNL0091299	LWDS-MW1	0	25-AUG-92	8270	52	B	10	EB
thylhexyl)phthalate, bis(2	SNL0091934	LWDS-52-BH06	0	05-SEP-92	8270	10	U	10	EB
thylhexyl)phthalate, bis(2	SNL0091945	LWDS-52-BH08	0	05-SEP-92	8270	53		10	EB
thylhexyl)phthalate, bis(2	SNL0092792	LWDS-MW2	0	23-SEP-92	8270	10	U	10	EB
thylhexyl)phthalate, bis(2	SNL0092872	LWDS-MW2	0	08-OCT-92	8270	10	U	10	EB
thylhexyl)phthalate, bis(2	SNL0093106	LWDS-MW1	0	28-APR-93	8270	1.4	BJ	10	EB
thylhexyl)phthalate, bis(2	SNL0093237	LWDS-04-BH09	0	18-MAR-94	8270	10	U	10	EB
thylhexyl)phthalate, bis(2	SNL0093275	LWDS-04-BH10	0	19-MAR-94	8270	10	U	10	EB
thylhexyl)phthalate, bis(2	SNL0093368	LWDS-05-BH13	0	22-MAR-94	8270	10	U	10	EB
thylhexyl)phthalate, bis(2	SNL0093458	LWDS-05-BH12	0	21-MAR-94	8270	10	U	10	EB
thylhexyl)phthalate, bis(2	SNL0093575	LWDS-05-BH11	0	20-MAR-94	8270	10	U	10	EB
thylhexyl)phthalate, bis(2	SNL0093615	LWDS-52-BH16	0	24-MAR-94	8270	2.2	BJ	10	EB
thylhexyl)phthalate, bis(2	SNL0093647	LWDS-05-BH14	0	23-MAR-94	8270	1.2	J	10	EB
thylhexyl)phthalate, bis(2	SNL0093706	LWDS-52-BH15	0	23-MAR-94	8270	9.8	BJ	10	EB
thylhexyl)phthalate, bis(2	SNL0094017	LWDS-MW2	0	11-MAR-94	8270	0.01	U	0.01	EB
thylhexyl)phthalate, bis(2	SNL0094282	LWDS-MW1	0	06-JUN-94	8270	0.01	U	0.01	EB
thylhexyl)phthalate, bis(2	SNL0094303	LWDS-MW1	0	31-AUG-94	8270	0.01	U	0.01	EB
thylhexyl)phthalate, bis(2	SNL0094414	LWDS-MW2	0	07-DEC-94	8270	0.01	U	0.01	EB
thylhexyl)phthalate, bis(2	SNL0094620	LWDS MW-2	0	01-MAR-95	8270	0.01	U	0.01	EB
thylhexyl)phthalate, bis(2	SNL0094749	LWDS-MW2	0	12-JUN-95	8270	0.01	U	0.01	EB
thylhexyl)phthalate, bis(2	SNL0099100	LWDS-MW2	0	24-JUN-93	8270	0.01	U	0.01	EB
Europium-152	SNL0094220	LWDS-04-BH09-EB	0	18-MAR-94	GAMMA	0.0311	U	0.0311	EB
Europium-152	SNL0094223	LWDS-04-BH10-EB	0	19-MAR-94	GAMMA	0.03562	U	0.03562	EB
Europium-152	SNL0094226	LWDS-05-BH11-EB	0	20-MAR-94	GAMMA	0.0304	U	0.0304	EB
Europium-152	SNL0094227	LWDS-MW1	0	06-JUN-94	GAMMA	0.0227	U	0.0227	EB
Europium-152	SNL0094243	LWDS-MW2	0	07-DEC-94	GAMMA	0.0227	U	0.0227	EB
Europium-152	SNL0094247	LWDS-MW1	0	08-DEC-94	GAMMA	0.0288	U	0.0288	FB
Europium-154	SNL0094220	LWDS-04-BH09-EB	0	18-MAR-94	GAMMA	0.0452	U	0.0452	EB
Europium-154	SNL0094223	LWDS-04-BH10-EB	0	19-MAR-94	GAMMA	0.06064	U	0.06064	EB
Europium-154	SNL0094226	LWDS-05-BH11-EB	0	20-MAR-94	GAMMA	0.0544	U	0.0544	EB
Europium-154	SNL0094227	LWDS-MW1	0	06-JUN-94	GAMMA	0.0451	U	0.0451	EB
Europium-154	SNL0094243	LWDS-MW2	0	07-DEC-94	GAMMA	0.0466	U	0.0466	EB
Europium-154	SNL0094247	LWDS-MW1	0	08-DEC-94	GAMMA	0.0434	U	0.0434	FB
Europium-155	SNL0094220	LWDS-04-BH09-EB	0	18-MAR-94	GAMMA	0.045	U	0.045	EB
Europium-155	SNL0094223	LWDS-04-BH10-EB	0	19-MAR-94	GAMMA	0.04614	U	0.04614	EB
Europium-155	SNL0094226	LWDS-05-BH11-EB	0	20-MAR-94	GAMMA	0.0472	U	0.0472	EB
Europium-155	SNL0094227	LWDS-MW1	0	06-JUN-94	GAMMA	0.0376	U	0.0376	EB
Europium-155	SNL0094243	LWDS-MW2	0	07-DEC-94	GAMMA	0.0335	U	0.0335	EB
Europium-155	SNL0094247	LWDS-MW1	0	08-DEC-94	GAMMA	0.0403	U	0.0403	FB
Fluoranthene	SNL0090028	LWDS-04-BH01	0	08-AUG-92	8270	10	U	10	EB
Fluoranthene	SNL0090031	LWDS-04-BH01	0	09-AUG-92	8270	10	U	10	EB
Fluoranthene	SNL0090054	LWDS-04-BH02	0	10-AUG-92	8270	10	U	10	EB
Fluoranthene	SNL0090596	LWDS-04-BH02	0	11-AUG-92	8270	10	U	10	EB
Fluoranthene	SNL0090623	LWDS-04-BH03	0	12-AUG-92	8270	10	U	10	EB
Fluoranthene	SNL0091158	LWDS-04-BH03	0	13-AUG-92	8270	10	U	10	EB
Fluoranthene	SNL0091172	LWDS-04-BH04	0	18-AUG-92	8270	10	U	10	EB
Fluoranthene	SNL0091173	LWDS-04-BH04	0	18-AUG-92	8270	11	U	11	EB
Fluoranthene	SNL0091192	LWDS-04-BH04	0	19-AUG-92	8270	10	U	10	EB
Fluoranthene	SNL0091255	LWDS-04-BH05	0	20-AUG-92	8270	10	U	10	EB
Fluoranthene	SNL0091273	LWDS-MW1	0	23-AUG-92	8270	10	U	10	EB
Fluoranthene	SNL0091275	LWDS-MW1	0	22-AUG-92	8270	10	U	10	EB
Fluoranthene	SNL0091292	LWDS-MW1	0	24-AUG-92	8270	10	U	10	EB
Fluoranthene	SNL0091299	LWDS-MW1	0	25-AUG-92	8270	10	U	10	EB
Fluoranthene	SNL0091934	LWDS-52-BH06	0	05-SEP-92	8270	10	U	10	EB
Fluoranthene	SNL0091945	LWDS-52-BH08	0	05-SEP-92	8270	10	U	10	EB
Fluoranthene	SNL0092792	LWDS-MW2	0	23-SEP-92	8270	10	U	10	EB
Fluoranthene	SNL0092872	LWDS-MW2	0	08-OCT-92	8270	10	U	10	EB
Fluoranthene	SNL0093106	LWDS-MW1	0	28-APR-93	8270	10	U	10	EB
Fluoranthene	SNL0093237	LWDS-04-BH09	0	18-MAR-94	8270	10	U	10	EB
Fluoranthene	SNL0093275	LWDS-04-BH10	0	19-MAR-94	8270	10	U	10	EB
Fluoranthene	SNL0093368	LWDS-05-BH13	0	22-MAR-94	8270	10	U	10	EB
Fluoranthene	SNL0093458	LWDS-05-BH12	0	21-MAR-94	8270	10	U	10	EB
Fluoranthene	SNL0093575	LWDS-05-BH11	0	20-MAR-94	8270	10	U	10	EB
Fluoranthene	SNL0093615	LWDS-52-BH16	0	24-MAR-94	8270	10	U	10	EB
Fluoranthene	SNL0093647	LWDS-05-BH14	0	23-MAR-94	8270	10	U	10	EB

Table A-13. Trip blank and equipment blank results for ER Sites 4, 5, and 52.

Analyte	Sample Number	Sample Location	Sample Depth (Ft)	Sample Date	Analytical Method	Amount Detected (mg/L)	Qualifier	Method Detection Limit	Sample Type
Fluoranthene	SNL0093706	LWDS-52-BH15	0	23-MAR-94	8270	10	U	10	EB
Fluoranthene	SNL0094017	LWDS-MW2	0	11-MAR-94	8270	0.01	U	0.01	EB
Fluoranthene	SNL0094282	LWDS-MW1	0	06-JUN-94	8270	0.01	U	0.01	EB
Fluoranthene	SNL0094303	LWDS-MW1	0	31-AUG-94	8270	0.01	U	0.01	EB
Fluoranthene	SNL0094414	LWDS-MW2	0	07-DEC-94	8270	0.01	U	0.01	EB
Fluoranthene	SNL0094620	LWDS MW-2	0	01-MAR-95	8270	0.01	U	0.01	EB
Fluoranthene	SNL0094749	LWDS-MW2	0	12-JUN-95	8270	0.01	U	0.01	EB
Fluoranthene	SNL0099100	LWDS-MW2	0	24-JUN-93	8270	0.01	U	0.01	EB
Fluorene	SNL0090028	LWDS-04-BH01	0	08-AUG-92	8270	10	U	10	EB
Fluorene	SNL0090031	LWDS-04-BH01	0	09-AUG-92	8270	10	U	10	EB
Fluorene	SNL0090054	LWDS-04-BH02	0	10-AUG-92	8270	10	U	10	EB
Fluorene	SNL0090596	LWDS-04-BH02	0	11-AUG-92	8270	10	U	10	EB
Fluorene	SNL0090623	LWDS-04-BH03	0	12-AUG-92	8270	10	U	10	EB
Fluorene	SNL0091158	LWDS-04-BH03	0	13-AUG-92	8270	10	U	10	EB
Fluorene	SNL0091172	LWDS-04-BH04	0	18-AUG-92	8270	10	U	10	EB
Fluorene	SNL0091173	LWDS-04-BH04	0	18-AUG-92	8270	11	U	11	EB
Fluorene	SNL0091192	LWDS-04-BH04	0	19-AUG-92	8270	10	U	10	EB
Fluorene	SNL0091255	LWDS-04-BH05	0	20-AUG-92	8270	10	U	10	EB
Fluorene	SNL0091273	LWDS-MW1	0	23-AUG-92	8270	10	U	10	EB
Fluorene	SNL0091275	LWDS-MW1	0	22-AUG-92	8270	10	U	10	EB
Fluorene	SNL0091292	LWDS-MW1	0	24-AUG-92	8270	10	U	10	EB
Fluorene	SNL0091299	LWDS-MW1	0	25-AUG-92	8270	10	U	10	EB
Fluorene	SNL0091934	LWDS-52-BH06	0	05-SEP-92	8270	10	U	10	EB
Fluorene	SNL0091945	LWDS-52-BH08	0	05-SEP-92	8270	10	U	10	EB
Fluorene	SNL0092792	LWDS-MW2	0	23-SEP-92	8270	10	U	10	EB
Fluorene	SNL0092872	LWDS-MW2	0	08-OCT-92	8270	10	U	10	EB
Fluorene	SNL0093106	LWDS-MW1	0	28-APR-93	8270	10	U	10	EB
Fluorene	SNL0093237	LWDS-04-BH09	0	18-MAR-94	8270	10	U	10	EB
Fluorene	SNL0093275	LWDS-04-BH10	0	19-MAR-94	8270	10	U	10	EB
Fluorene	SNL0093368	LWDS-05-BH13	0	22-MAR-94	8270	10	U	10	EB
Fluorene	SNL0093458	LWDS-05-BH12	0	21-MAR-94	8270	10	U	10	EB
Fluorene	SNL0093575	LWDS-05-BH11	0	20-MAR-94	8270	10	U	10	EB
Fluorene	SNL0093615	LWDS-52-BH16	0	24-MAR-94	8270	10	U	10	EB
Fluorene	SNL0093647	LWDS-05-BH14	0	23-MAR-94	8270	10	U	10	EB
Fluorene	SNL0093706	LWDS-52-BH15	0	23-MAR-94	8270	10	U	10	EB
Fluorene	SNL0094017	LWDS-MW2	0	11-MAR-94	8270	0.01	U	0.01	EB
Fluorene	SNL0094282	LWDS-MW1	0	06-JUN-94	8270	0.01	U	0.01	EB
Fluorene	SNL0094303	LWDS-MW1	0	31-AUG-94	8270	0.01	U	0.01	EB
Fluorene	SNL0094414	LWDS-MW2	0	07-DEC-94	8270	0.01	U	0.01	EB
Fluorene	SNL0094620	LWDS MW-2	0	01-MAR-95	8270	0.01	U	0.01	EB
Fluorene	SNL0094749	LWDS-MW2	0	12-JUN-95	8270	0.01	U	0.01	EB
Fluorene	SNL0099100	LWDS-MW2	0	24-JUN-93	8270	0.01	U	0.01	EB
Fluoride	SNL0094021	LWDS-MW2	0	11-MAR-94	340.2	0.1	U	0.1	EB
Fluoride	SNL0094294	LWDS-MW1	0	06-JUN-94	340.2	0.1	U	0.1	EB
Fluoride	SNL0094313	LWDS-MW1	0	31-AUG-94	300.0	0.1	U	0.1	EB
Fluoride	SNL0094383	LWDS-MW1	0	08-DEC-94	340.2	0.8		0.1	EB
Fluoride	SNL0094420	LWDS-MW2	0	07-DEC-94	340.2	0.1	U	0.1	EB
Fluoride	SNL0094626	LWDS MW-2	0	01-MAR-95	340.2	0.1	U	0.1	EB
Fluoride	SNL0094757	LWDS-MW2	0	12-JUN-95	340.2	0.1	U	0.1	EB
Gadolinium-153	SNL0094220	LWDS-04-BH09-EB	0	18-MAR-94	GAMMA	0.0308	U	0.0308	EB
Gadolinium-153	SNL0094223	LWDS-04-BH10-EB	0	19-MAR-94	GAMMA	0.02914	U	0.02914	EB
Gadolinium-153	SNL0094226	LWDS-05-BH11-EB	0	20-MAR-94	GAMMA	0.0316	U	0.0316	EB
Gadolinium-153	SNL0094227	LWDS-MW1	0	06-JUN-94	GAMMA	0.0241	U	0.0241	EB
Gadolinium-153	SNL0094243	LWDS-MW2	0	07-DEC-94	GAMMA	0.0209	U	0.0209	EB
Gadolinium-153	SNL0094247	LWDS-MW1	0	08-DEC-94	GAMMA	0.0268	U	0.0268	FB
Hexachlorobenzene	SNL0090028	LWDS-04-BH01	0	08-AUG-92	8270	10	U	10	EB
Hexachlorobenzene	SNL0090031	LWDS-04-BH01	0	09-AUG-92	8270	10	U	10	EB
Hexachlorobenzene	SNL0090054	LWDS-04-BH02	0	10-AUG-92	8270	10	U	10	EB
Hexachlorobenzene	SNL0090596	LWDS-04-BH02	0	11-AUG-92	8270	10	U	10	EB
Hexachlorobenzene	SNL0090623	LWDS-04-BH03	0	12-AUG-92	8270	10	U	10	EB
Hexachlorobenzene	SNL0091158	LWDS-04-BH03	0	13-AUG-92	8270	10	U	10	EB
Hexachlorobenzene	SNL0091172	LWDS-04-BH04	0	18-AUG-92	8270	10	U	10	EB
Hexachlorobenzene	SNL0091173	LWDS-04-BH04	0	18-AUG-92	8270	11	U	11	EB
Hexachlorobenzene	SNL0091192	LWDS-04-BH04	0	19-AUG-92	8270	10	U	10	EB
Hexachlorobenzene	SNL0091255	LWDS-04-BH05	0	20-AUG-92	8270	10	U	10	EB
Hexachlorobenzene	SNL0091273	LWDS-MW1	0	23-AUG-92	8270	10	U	10	EB
Hexachlorobenzene	SNL0091275	LWDS-MW1	0	22-AUG-92	8270	10	U	10	EB
Hexachlorobenzene	SNL0091292	LWDS-MW1	0	24-AUG-92	8270	10	U	10	EB

Table A-13. Trip blank and equipment blank results for ER Sites 4, 5, and 52.

Analyte	Sample Number	Sample Location	Sample Depth (Ft)	Sample Date	Analytical Method	Amount Detected (mg/L)	Qualifier	Method Detection Limit	Sample Type
Hexachlorobenzene	SNL0091299	LWDS-MW1	0	25-AUG-92	8270	10	U	10	EB
Hexachlorobenzene	SNL0091934	LWDS-52-BH06	0	05-SEP-92	8270	10	U	10	EB
Hexachlorobenzene	SNL0091945	LWDS-52-BH08	0	05-SEP-92	8270	10	U	10	EB
Hexachlorobenzene	SNL0092792	LWDS-MW2	0	23-SEP-92	8270	10	U	10	EB
Hexachlorobenzene	SNL0092872	LWDS-MW2	0	08-OCT-92	8270	10	U	10	EB
Hexachlorobenzene	SNL0093106	LWDS-MW1	0	28-APR-93	8270	10	U	10	EB
Hexachlorobenzene	SNL0093237	LWDS-04-BH09	0	18-MAR-94	8270	10	U	10	EB
Hexachlorobenzene	SNL0093275	LWDS-04-BH10	0	19-MAR-94	8270	10	U	10	EB
Hexachlorobenzene	SNL0093368	LWDS-05-BH13	0	22-MAR-94	8270	10	U	10	EB
Hexachlorobenzene	SNL0093458	LWDS-05-BH12	0	21-MAR-94	8270	10	U	10	EB
Hexachlorobenzene	SNL0093575	LWDS-05-BH11	0	20-MAR-94	8270	10	U	10	EB
Hexachlorobenzene	SNL0093615	LWDS-52-BH16	0	24-MAR-94	8270	10	U	10	EB
Hexachlorobenzene	SNL0093647	LWDS-05-BH14	0	23-MAR-94	8270	10	U	10	EB
Hexachlorobenzene	SNL0093706	LWDS-52-BH15	0	23-MAR-94	8270	10	U	10	EB
Hexachlorobenzene	SNL0094017	LWDS-MW2	0	11-MAR-94	8270	0.01	U	0.01	EB
Hexachlorobenzene	SNL0094282	LWDS-MW1	0	06-JUN-94	8270	0.01	U	0.01	EB
Hexachlorobenzene	SNL0094303	LWDS-MW1	0	31-AUG-94	8270	0.01	U	0.01	EB
Hexachlorobenzene	SNL0094414	LWDS-MW2	0	07-DEC-94	8270	0.01	U	0.01	EB
Hexachlorobenzene	SNL0094620	LWDS MW-2	0	01-MAR-95	8270	0.01	U	0.01	EB
Hexachlorobenzene	SNL0094749	LWDS-MW2	0	12-JUN-95	8270	0.01	U	0.01	EB
Hexachlorobenzene	SNL0099100	LWDS-MW2	0	24-JUN-93	8270	0.01	U	0.01	EB
Hexachlorobutadiene	SNL0090028	LWDS-04-BH01	0	08-AUG-92	8270	10	U	10	EB
Hexachlorobutadiene	SNL0090031	LWDS-04-BH01	0	09-AUG-92	8270	10	U	10	EB
Hexachlorobutadiene	SNL0090054	LWDS-04-BH02	0	10-AUG-92	8270	10	U	10	EB
Hexachlorobutadiene	SNL0090596	LWDS-04-BH02	0	11-AUG-92	8270	10	U	10	EB
Hexachlorobutadiene	SNL0090623	LWDS-04-BH03	0	12-AUG-92	8270	10	U	10	EB
Hexachlorobutadiene	SNL0091158	LWDS-04-BH03	0	13-AUG-92	8270	10	U	10	EB
Hexachlorobutadiene	SNL0091172	LWDS-04-BH04	0	18-AUG-92	8270	10	U	10	EB
Hexachlorobutadiene	SNL0091173	LWDS-04-BH04	0	18-AUG-92	8270	11	U	11	EB
Hexachlorobutadiene	SNL0091192	LWDS-04-BH04	0	19-AUG-92	8270	10	U	10	EB
Hexachlorobutadiene	SNL0091255	LWDS-04-BH05	0	20-AUG-92	8270	10	U	10	EB
Hexachlorobutadiene	SNL0091273	LWDS-MW1	0	23-AUG-92	8270	10	U	10	EB
Hexachlorobutadiene	SNL0091275	LWDS-MW1	0	22-AUG-92	8270	10	U	10	EB
Hexachlorobutadiene	SNL0091292	LWDS-MW1	0	24-AUG-92	8270	10	U	10	EB
Hexachlorobutadiene	SNL0091299	LWDS-MW1	0	25-AUG-92	8270	10	U	10	EB
Hexachlorobutadiene	SNL0091934	LWDS-52-BH06	0	05-SEP-92	8270	10	U	10	EB
Hexachlorobutadiene	SNL0091945	LWDS-52-BH08	0	05-SEP-92	8270	10	U	10	EB
Hexachlorobutadiene	SNL0092792	LWDS-MW2	0	23-SEP-92	8270	10	U	10	EB
Hexachlorobutadiene	SNL0092872	LWDS-MW2	0	08-OCT-92	8270	10	U	10	EB
Hexachlorobutadiene	SNL0093106	LWDS-MW1	0	28-APR-93	8270	10	U	10	EB
Hexachlorobutadiene	SNL0093237	LWDS-04-BH09	0	18-MAR-94	8270	10	U	10	EB
Hexachlorobutadiene	SNL0093275	LWDS-04-BH10	0	19-MAR-94	8270	10	U	10	EB
Hexachlorobutadiene	SNL0093368	LWDS-05-BH13	0	22-MAR-94	8270	10	U	10	EB
Hexachlorobutadiene	SNL0093458	LWDS-05-BH12	0	21-MAR-94	8270	10	U	10	EB
Hexachlorobutadiene	SNL0093575	LWDS-05-BH11	0	20-MAR-94	8270	10	U	10	EB
Hexachlorobutadiene	SNL0093615	LWDS-52-BH16	0	24-MAR-94	8270	10	U	10	EB
Hexachlorobutadiene	SNL0093647	LWDS-05-BH14	0	23-MAR-94	8270	10	U	10	EB
Hexachlorobutadiene	SNL0093706	LWDS-52-BH15	0	23-MAR-94	8270	10	U	10	EB
Hexachlorobutadiene	SNL0094017	LWDS-MW2	0	11-MAR-94	8270	0.01	U	0.01	EB
Hexachlorobutadiene	SNL0094282	LWDS-MW1	0	06-JUN-94	8270	0.01	U	0.01	EB
Hexachlorobutadiene	SNL0094303	LWDS-MW1	0	31-AUG-94	8270	0.01	U	0.01	EB
Hexachlorobutadiene	SNL0094414	LWDS-MW2	0	07-DEC-94	8270	0.01	U	0.01	EB
Hexachlorobutadiene	SNL0094620	LWDS MW-2	0	01-MAR-95	8270	0.01	U	0.01	EB
Hexachlorobutadiene	SNL0094749	LWDS-MW2	0	12-JUN-95	8270	0.01	U	0.01	EB
Hexachlorobutadiene	SNL0099100	LWDS-MW2	0	24-JUN-93	8270	0.01	U	0.01	EB
exachlorocyclopentadier	SNL0090028	LWDS-04-BH01	0	08-AUG-92	8270	10	U	10	EB
exachlorocyclopentadier	SNL0090031	LWDS-04-BH01	0	09-AUG-92	8270	10	U	10	EB
exachlorocyclopentadier	SNL0090054	LWDS-04-BH02	0	10-AUG-92	8270	10	U	10	EB
exachlorocyclopentadier	SNL0090596	LWDS-04-BH02	0	11-AUG-92	8270	10	U	10	EB
exachlorocyclopentadier	SNL0090623	LWDS-04-BH03	0	12-AUG-92	8270	10	U	10	EB
exachlorocyclopentadier	SNL0091158	LWDS-04-BH03	0	13-AUG-92	8270	10	U	10	EB
exachlorocyclopentadier	SNL0091172	LWDS-04-BH04	0	18-AUG-92	8270	10	U	10	EB
exachlorocyclopentadier	SNL0091173	LWDS-04-BH04	0	18-AUG-92	8270	11	U	11	EB
exachlorocyclopentadier	SNL0091192	LWDS-04-BH04	0	19-AUG-92	8270	10	U	10	EB
exachlorocyclopentadier	SNL0091255	LWDS-04-BH05	0	20-AUG-92	8270	10	U	10	EB
exachlorocyclopentadier	SNL0091273	LWDS-MW1	0	23-AUG-92	8270	10	U	10	EB
exachlorocyclopentadier	SNL0091275	LWDS-MW1	0	22-AUG-92	8270	10	U	10	EB
exachlorocyclopentadier	SNL0091292	LWDS-MW1	0	24-AUG-92	8270	10	U	10	EB

Table A-13. Trip blank and equipment blank results for ER Sites 4, 5, and 52.

Analyte	Sample Number	Sample Location	Sample Depth (Ft)	Sample Date	Analytical Method	Amount Detected (mg/L)	Qualifier	Method Detection Limit	Sample Type
exachlorocyclopentadier	SNL0091299	LWDS-MW1	0	25-AUG-92	8270	10	U	10	EB
exachlorocyclopentadier	SNL0091934	LWDS-52-BH06	0	05-SEP-92	8270	10	U	10	EB
exachlorocyclopentadier	SNL0091945	LWDS-52-BH08	0	05-SEP-92	8270	10	U	10	EB
exachlorocyclopentadier	SNL0092792	LWDS-MW2	0	23-SEP-92	8270	10	U	10	EB
exachlorocyclopentadier	SNL0092872	LWDS-MW2	0	08-OCT-92	8270	10	U	10	EB
exachlorocyclopentadier	SNL0093106	LWDS-MW1	0	28-APR-93	8270	10	U	10	EB
exachlorocyclopentadier	SNL0093237	LWDS-04-BH09	0	18-MAR-94	8270	10	U	10	EB
exachlorocyclopentadier	SNL0093275	LWDS-04-BH10	0	19-MAR-94	8270	10	U	10	EB
exachlorocyclopentadier	SNL0093368	LWDS-05-BH13	0	22-MAR-94	8270	10	U	10	EB
exachlorocyclopentadier	SNL0093458	LWDS-05-BH12	0	21-MAR-94	8270	10	U	10	EB
exachlorocyclopentadier	SNL0093575	LWDS-05-BH11	0	20-MAR-94	8270	10	U	10	EB
exachlorocyclopentadier	SNL0093615	LWDS-52-BH16	0	24-MAR-94	8270	10	U	10	EB
exachlorocyclopentadier	SNL0093647	LWDS-05-BH14	0	23-MAR-94	8270	10	U	10	EB
exachlorocyclopentadier	SNL0093706	LWDS-52-BH15	0	23-MAR-94	8270	10	U	10	EB
exachlorocyclopentadier	SNL0094017	LWDS-MW2	0	11-MAR-94	8270	0.01	U	0.01	EB
exachlorocyclopentadier	SNL0094282	LWDS-MW1	0	06-JUN-94	8270	0.01	U	0.01	EB
exachlorocyclopentadier	SNL0094303	LWDS-MW1	0	31-AUG-94	8270	0.01	U	0.01	EB
exachlorocyclopentadier	SNL0094414	LWDS-MW2	0	07-DEC-94	8270	0.01	U	0.01	EB
exachlorocyclopentadier	SNL0094620	LWDS MW-2	0	01-MAR-95	8270	0.01	U	0.01	EB
exachlorocyclopentadier	SNL0094749	LWDS-MW2	0	12-JUN-95	8270	0.01	U	0.01	EB
exachlorocyclopentadier	SNL0099100	LWDS-MW2	0	24-JUN-93	8270	0.01	U	0.01	EB
Hexachloroethane	SNL0090028	LWDS-04-BH01	0	08-AUG-92	8270	10	U	10	EB
Hexachloroethane	SNL0090031	LWDS-04-BH01	0	09-AUG-92	8270	10	U	10	EB
Hexachloroethane	SNL0090054	LWDS-04-BH02	0	10-AUG-92	8270	10	U	10	EB
Hexachloroethane	SNL0090596	LWDS-04-BH02	0	11-AUG-92	8270	10	U	10	EB
Hexachloroethane	SNL0090623	LWDS-04-BH03	0	12-AUG-92	8270	10	U	10	EB
Hexachloroethane	SNL0091158	LWDS-04-BH03	0	13-AUG-92	8270	10	U	10	EB
Hexachloroethane	SNL0091172	LWDS-04-BH04	0	18-AUG-92	8270	10	U	10	EB
Hexachloroethane	SNL0091173	LWDS-04-BH04	0	18-AUG-92	8270	11	U	11	EB
Hexachloroethane	SNL0091192	LWDS-04-BH04	0	19-AUG-92	8270	10	U	10	EB
Hexachloroethane	SNL0091255	LWDS-04-BH05	0	20-AUG-92	8270	10	U	10	EB
Hexachloroethane	SNL0091273	LWDS-MW1	0	23-AUG-92	8270	10	U	10	EB
Hexachloroethane	SNL0091275	LWDS-MW1	0	22-AUG-92	8270	10	U	10	EB
Hexachloroethane	SNL0091292	LWDS-MW1	0	24-AUG-92	8270	10	U	10	EB
Hexachloroethane	SNL0091299	LWDS-MW1	0	25-AUG-92	8270	10	U	10	EB
Hexachloroethane	SNL0091934	LWDS-52-BH06	0	05-SEP-92	8270	10	U	10	EB
Hexachloroethane	SNL0091945	LWDS-52-BH08	0	05-SEP-92	8270	10	U	10	EB
Hexachloroethane	SNL0092792	LWDS-MW2	0	23-SEP-92	8270	10	U	10	EB
Hexachloroethane	SNL0092872	LWDS-MW2	0	08-OCT-92	8270	10	U	10	EB
Hexachloroethane	SNL0093106	LWDS-MW1	0	28-APR-93	8270	10	U	10	EB
Hexachloroethane	SNL0093237	LWDS-04-BH09	0	18-MAR-94	8270	10	U	10	EB
Hexachloroethane	SNL0093275	LWDS-04-BH10	0	19-MAR-94	8270	10	U	10	EB
Hexachloroethane	SNL0093368	LWDS-05-BH13	0	22-MAR-94	8270	10	U	10	EB
Hexachloroethane	SNL0093458	LWDS-05-BH12	0	21-MAR-94	8270	10	U	10	EB
Hexachloroethane	SNL0093575	LWDS-05-BH11	0	20-MAR-94	8270	10	U	10	EB
Hexachloroethane	SNL0093615	LWDS-52-BH16	0	24-MAR-94	8270	10	U	10	EB
Hexachloroethane	SNL0093647	LWDS-05-BH14	0	23-MAR-94	8270	10	U	10	EB
Hexachloroethane	SNL0093706	LWDS-52-BH15	0	23-MAR-94	8270	10	U	10	EB
Hexachloroethane	SNL0094017	LWDS-MW2	0	11-MAR-94	8270	0.01	U	0.01	EB
Hexachloroethane	SNL0094282	LWDS-MW1	0	06-JUN-94	8270	0.01	U	0.01	EB
Hexachloroethane	SNL0094303	LWDS-MW1	0	31-AUG-94	8270	0.01	U	0.01	EB
Hexachloroethane	SNL0094414	LWDS-MW2	0	07-DEC-94	8270	0.01	U	0.01	EB
Hexachloroethane	SNL0094620	LWDS MW-2	0	01-MAR-95	8270	0.01	U	0.01	EB
Hexachloroethane	SNL0094749	LWDS-MW2	0	12-JUN-95	8270	0.01	U	0.01	EB
Hexachloroethane	SNL0099100	LWDS-MW2	0	24-JUN-93	8270	0.01	U	0.01	EB
Hexanone, 2-	SNL0090027	LWDS-04-BH01	0	08-AUG-92	8240	10	U	10	EB
Hexanone, 2-	SNL0090029	LWDS-04-BH01	0	08-AUG-92	8240	10	U	10	TB
Hexanone, 2-	SNL0090030	LWDS-04-BH01	0	09-AUG-92	8240	10	U	10	EB
Hexanone, 2-	SNL0090032	LWDS-04-BH01	0	09-AUG-92	8240	10	U	10	TB
Hexanone, 2-	SNL0090053	LWDS-04-BH02	0	10-AUG-92	8240	10	U	10	EB
Hexanone, 2-	SNL0090055	LWDS-04-BH02	0	10-AUG-92	8240	10	U	10	TB
Hexanone, 2-	SNL0090162	LWDS-SS	0	16-JUL-92	8240	10	U	10	TB
Hexanone, 2-	SNL0090163	LWDS-SS	0	16-JUL-92	8240	10	U	10	TB
Hexanone, 2-	SNL0090416	LWDS-SS	0	16-JUL-92	8240	10	U	10	TB
Hexanone, 2-	SNL0090595	LWDS-04-BH02	0	11-AUG-92	8240	10	U	10	EB
Hexanone, 2-	SNL0090597	LWDS-04-BH02	0	11-AUG-92	8240	10	U	10	TB
Hexanone, 2-	SNL0090622	LWDS-04-BH03	0	12-AUG-92	8240	10	U	10	EB
Hexanone, 2-	SNL0090624	LWDS-04-BH03	0	12-AUG-92	8240	10	U	10	TB

Table A-13. Trip blank and equipment blank results for ER Sites 4, 5, and 52.

Analyte	Sample Number	Sample Location	Sample Depth (Ft)	Sample Date	Analytical Method	Amount Detected (mg/L)	Qualifier	Method Detection Limit	Sample Type
Hexanone, 2-	SNL0090737	LWDS-SS	0	17-JUL-92	8240	10	U	10	TB
Hexanone, 2-	SNL0090934	LWDS-SS	0	17-JUL-92	8240	10	U	10	TB
Hexanone, 2-	SNL0091118	LWDS-SS	0	20-JUL-92	8240	10	U	10	TB
Hexanone, 2-	SNL0091157	LWDS-04-BH03	0	13-AUG-92	8240	10	U	10	EB
Hexanone, 2-	SNL0091171	LWDS-04-BH04	0	18-AUG-92	8240	10	U	10	EB
Hexanone, 2-	SNL0091174	LWDS-04-BH04	0	18-AUG-92	8240	10	U	10	TB
Hexanone, 2-	SNL0091191	LWDS-04-BH04	0	19-AUG-92	8240	10	U	10	EB
Hexanone, 2-	SNL0091193	LWDS-04-BH04	0	19-AUG-92	8240	10	U	10	TB
Hexanone, 2-	SNL0091242	LWDS-04-BH05	0	20-AUG-92	8240	10	U	10	TB
Hexanone, 2-	SNL0091256	LWDS-04-BH05	0	20-AUG-92	8240	10	U	10	EB
Hexanone, 2-	SNL0091257	LWDS-04-BH05	0	20-AUG-92	8240	10	U	10	TB
Hexanone, 2-	SNL0091272	LWDS-MW1	0	23-AUG-92	8240	10	U	10	EB
Hexanone, 2-	SNL0091274	LWDS-MW1	0	22-AUG-92	8240	10	U	10	EB
Hexanone, 2-	SNL0091276	LWDS-MW1	0	22-AUG-92	8240	10	U	10	TB
Hexanone, 2-	SNL0091291	LWDS-MW1	0	24-AUG-92	8240	10	U	10	EB
Hexanone, 2-	SNL0091293	LWDS-MW1	0	24-AUG-92	8240	10	U	10	TB
Hexanone, 2-	SNL0091298	LWDS-MW1	0	25-AUG-92	8240	10	U	10	EB
Hexanone, 2-	SNL0091300	LWDS-MW1	0	25-AUG-92	8240	10	U	10	TB
Hexanone, 2-	SNL0091933	LWDS-52-BH06	0	05-SEP-92	8240	10	U	10	EB
Hexanone, 2-	SNL0091935	LWDS-52-BH06	0	05-SEP-92	8240	10	U	10	TB
Hexanone, 2-	SNL0091944	LWDS-52-BH08	0	05-SEP-92	8240	10	U	10	EB
Hexanone, 2-	SNL0092723	LWDS-MW2	0	18-SEP-92	8240	10	U	10	TB
Hexanone, 2-	SNL0092746	LWDS-MW2	0	21-SEP-92	8240	10	U	10	TB
Hexanone, 2-	SNL0092791	LWDS-MW2	0	23-SEP-92	8240	10	U	10	EB
Hexanone, 2-	SNL0092801	LWDS-MW2	0	23-SEP-92	8240	10	U	10	TB
Hexanone, 2-	SNL0092835	LWDS-MW2	0	24-SEP-92	8240	10	U	10	TB
Hexanone, 2-	SNL0092847	LWDS-MW2	0	01-OCT-92	8240	10	U	10	TB
Hexanone, 2-	SNL0092859	LWDS-MW2	0	02-OCT-92	8240	10	U	10	TB
Hexanone, 2-	SNL0092871	LWDS-MW2	0	08-OCT-92	8240	10	U	10	EB
Hexanone, 2-	SNL0092881	LWDS-MW2	0	08-OCT-92	8240	10	U	10	TB
Hexanone, 2-	SNL0092948	LWDS-MW2	0	17-OCT-92	8240	10	U	10	TB
Hexanone, 2-	SNL0092970	LWDS-MW2	0	21-OCT-92	8240	10	U	10	TB
Hexanone, 2-	SNL0092989	LWDS-MW1	0	06-APR-93	8240	10	U	10	TB
Hexanone, 2-	SNL0093002	LWDS-MW1	0	08-APR-93	8240	10	U	10	TB
Hexanone, 2-	SNL0093003	LWDS-MW1	0	13-APR-93	8240	10	U	10	TB
Hexanone, 2-	SNL0093013	LWDS-MW1	0	14-APR-93	8240	10	U	10	TB
Hexanone, 2-	SNL0093035	LWDS-MW1	0	15-APR-93	8240	10	U	10	TB
Hexanone, 2-	SNL0093045	LWDS-MW1	0	17-APR-93	8240	10	U	10	TB
Hexanone, 2-	SNL0093082	LWDS-MW1	0	21-APR-93	8240	10	U	10	TB
Hexanone, 2-	SNL0093092	LWDS-MW1	0	27-APR-93	8240	10	U	10	TB
Hexanone, 2-	SNL0093105	LWDS-MW1	0	28-APR-93	8240	10	U	10	EB
Hexanone, 2-	SNL0093114	LWDS-MW1	0	28-APR-93	8240	10	U	10	TB
Hexanone, 2-	SNL0093124	LWDS-MW1	0	30-APR-93	8240	10	U	10	TB
Hexanone, 2-	SNL0093135	LWDS-MW1	0	03-MAY-93	8240	10	U	10	TB
Hexanone, 2-	SNL0093236	LWDS-04-BH09	0	18-MAR-94	8240	10	U	10	EB
Hexanone, 2-	SNL0093244	LWDS-04-BH09	0	18-MAR-94	8240	10	U	10	TB
Hexanone, 2-	SNL0093245	LWDS-04-BH09	0	18-MAR-94	8240	10	U	10	TB
Hexanone, 2-	SNL0093274	LWDS-04-BH10	0	19-MAR-94	8240	10	U	10	EB
Hexanone, 2-	SNL0093285	LWDS-04-BH10	0	19-MAR-94	8240	10	U	10	TB
Hexanone, 2-	SNL0093286	LWDS-04-BH10	0	19-MAR-94	8240	10	U	10	TB
Hexanone, 2-	SNL0093367	LWDS-05-BH13	0	22-MAR-94	8240	10	U	10	EB
Hexanone, 2-	SNL0093375	LWDS-05-BH13	0	22-MAR-94	8240	10	U	10	TB
Hexanone, 2-	SNL0093376	LWDS-05-BH13	0	22-MAR-94	8240	10	U	10	TB
Hexanone, 2-	SNL0093457	LWDS-05-BH12	0	21-MAR-94	8240	10	U	10	EB
Hexanone, 2-	SNL0093465	LWDS-05-BH12	0	21-MAR-94	8240	10	U	10	TB
Hexanone, 2-	SNL0093466	LWDS-05-BH12	0	21-MAR-94	8240	10	U	10	TB
Hexanone, 2-	SNL0093572	LWDS-05-BH11	0	20-MAR-94	8240	10	U	10	TB
Hexanone, 2-	SNL0093573	LWDS-05-BH11	0	20-MAR-94	8240	10	U	10	TB
Hexanone, 2-	SNL0093574	LWDS-05-BH11	0	20-MAR-94	8240	10	U	10	EB
Hexanone, 2-	SNL0093614	LWDS-52-BH16	0	24-MAR-94	8240	10	U	10	EB
Hexanone, 2-	SNL0093622	LWDS-52-BH16	0	24-MAR-94	8240	10	U	10	TB
Hexanone, 2-	SNL0093646	LWDS-05-BH14	0	23-MAR-94	8240	10	U	10	EB
Hexanone, 2-	SNL0093654	LWDS-05-BH14	0	23-MAR-94	8240	10	U	10	TB
Hexanone, 2-	SNL0093655	LWDS-05-BH14	0	23-MAR-94	8240	10	U	10	TB
Hexanone, 2-	SNL0093705	LWDS-52-BH15	0	23-MAR-94	8240	1.5	J	10	EB
Hexanone, 2-	SNL0094080	LWDS-MW1	0	10-MAR-94	8240	0.01	U	0.01	TB
Hexanone, 2-	SNL0094280	LWDS-MW1	0	31-MAY-94	8260	0.002	U	0.002	TB
Hexanone, 2-	SNL0094281	LWDS-MW1	0	06-JUN-94	8260	0.002	U	0.002	EB

Table A-13. Trip blank and equipment blank results for ER Sites 4, 5, and 52.

Analyte	Sample Number	Sample Location	Sample Depth (Ft)	Sample Date	Analytical Method	Amount Detected (mg/L)	Qualifier	Method Detection Limit	Sample Type
Hexanone, 2-	SNL0094298	LWDS-MW1	0	31-MAY-94	8260	0.002	U	0.002	TB
Hexanone, 2-	SNL0094302	LWDS-MW1	0	31-AUG-94	8260	0.002	U	0.002	EB
Hexanone, 2-	SNL0094317	LWDS-MW1	0	24-AUG-94	8260	0.002	U	0.002	TB
Hexanone, 2-	SNL0094348	LWDS-MW1	0	24-AUG-94	8260	0.01	U	0.01	TB
Hexanone, 2-	SNL0094411	LWDS-MW2	0	06-JUN-94	8260	0.002	U	0.002	TB
Hexanone, 2-	SNL0094618	LWDS MW-2	0	27-FEB-95	8240	0.01	U	0.01	TB
Hexanone, 2-	SNL0094619	LWDS MW-2	0	01-MAR-95	8240	0.01	U	0.01	EB
Hexanone, 2-	SNL0094667	LWDS MW-1	0	02-MAR-95	8240	0.01	U	0.01	TB
Hexanone, 2-	SNL0099096	LWDS-MW2	0	24-JUN-93	8240	0.01	U	0.01	EB
Hexanone, 2-	SNL0099097	LWDS-MW2	0	24-JUN-93	8240	0.01	U	0.01	TB
Holmium-166	SNL0094243	LWDS-MW2	0	07-DEC-94	GAMMA	0.0118	U	0.0118	EB
Holmium-166	SNL0094247	LWDS-MW1	0	08-DEC-94	GAMMA	0.00959	U	0.00959	FB
Indeno(1,2,3-c,d)pyrene	SNL0090028	LWDS-04-BH01	0	08-AUG-92	8270	10	U	10	EB
Indeno(1,2,3-c,d)pyrene	SNL0090031	LWDS-04-BH01	0	09-AUG-92	8270	10	U	10	EB
Indeno(1,2,3-c,d)pyrene	SNL0090054	LWDS-04-BH02	0	10-AUG-92	8270	10	U	10	EB
Indeno(1,2,3-c,d)pyrene	SNL0090596	LWDS-04-BH02	0	11-AUG-92	8270	10	U	10	EB
Indeno(1,2,3-c,d)pyrene	SNL0090623	LWDS-04-BH03	0	12-AUG-92	8270	10	U	10	EB
Indeno(1,2,3-c,d)pyrene	SNL0091158	LWDS-04-BH03	0	13-AUG-92	8270	10	U	10	EB
Indeno(1,2,3-c,d)pyrene	SNL0091172	LWDS-04-BH04	0	18-AUG-92	8270	10	U	10	EB
Indeno(1,2,3-c,d)pyrene	SNL0091173	LWDS-04-BH04	0	18-AUG-92	8270	11	U	11	EB
Indeno(1,2,3-c,d)pyrene	SNL0091192	LWDS-04-BH04	0	19-AUG-92	8270	10	U	10	EB
Indeno(1,2,3-c,d)pyrene	SNL0091255	LWDS-04-BH05	0	20-AUG-92	8270	10	U	10	EB
Indeno(1,2,3-c,d)pyrene	SNL0091273	LWDS-MW1	0	23-AUG-92	8270	10	U	10	EB
Indeno(1,2,3-c,d)pyrene	SNL0091275	LWDS-MW1	0	22-AUG-92	8270	10	U	10	EB
Indeno(1,2,3-c,d)pyrene	SNL0091292	LWDS-MW1	0	24-AUG-92	8270	10	U	10	EB
Indeno(1,2,3-c,d)pyrene	SNL0091299	LWDS-MW1	0	25-AUG-92	8270	10	U	10	EB
Indeno(1,2,3-c,d)pyrene	SNL0091934	LWDS-52-BH06	0	05-SEP-92	8270	10	U	10	EB
Indeno(1,2,3-c,d)pyrene	SNL0091945	LWDS-52-BH08	0	05-SEP-92	8270	10	U	10	EB
Indeno(1,2,3-c,d)pyrene	SNL0092792	LWDS-MW2	0	23-SEP-92	8270	10	U	10	EB
Indeno(1,2,3-c,d)pyrene	SNL0092872	LWDS-MW2	0	08-OCT-92	8270	10	U	10	EB
Indeno(1,2,3-c,d)pyrene	SNL0093106	LWDS-MW1	0	28-APR-93	8270	10	U	10	EB
Indeno(1,2,3-c,d)pyrene	SNL0093237	LWDS-04-BH09	0	18-MAR-94	8270	10	U	10	EB
Indeno(1,2,3-c,d)pyrene	SNL0093275	LWDS-04-BH10	0	19-MAR-94	8270	10	U	10	EB
Indeno(1,2,3-c,d)pyrene	SNL0093368	LWDS-05-BH13	0	22-MAR-94	8270	10	U	10	EB
Indeno(1,2,3-c,d)pyrene	SNL0093458	LWDS-05-BH12	0	21-MAR-94	8270	10	U	10	EB
Indeno(1,2,3-c,d)pyrene	SNL0093575	LWDS-05-BH11	0	20-MAR-94	8270	10	U	10	EB
Indeno(1,2,3-c,d)pyrene	SNL0093615	LWDS-52-BH16	0	24-MAR-94	8270	10	U	10	EB
Indeno(1,2,3-c,d)pyrene	SNL0093647	LWDS-05-BH14	0	23-MAR-94	8270	10	U	10	EB
Indeno(1,2,3-c,d)pyrene	SNL0093706	LWDS-52-BH15	0	23-MAR-94	8270	10	U	10	EB
Indeno(1,2,3-c,d)pyrene	SNL0094017	LWDS-MW2	0	11-MAR-94	8270	0.01	U	0.01	EB
Indeno(1,2,3-c,d)pyrene	SNL0094282	LWDS-MW1	0	06-JUN-94	8270	0.01	U	0.01	EB
Indeno(1,2,3-c,d)pyrene	SNL0094303	LWDS-MW1	0	31-AUG-94	8270	0.01	U	0.01	EB
Indeno(1,2,3-c,d)pyrene	SNL0094414	LWDS-MW2	0	07-DEC-94	8270	0.01	U	0.01	EB
Indeno(1,2,3-c,d)pyrene	SNL0094620	LWDS MW-2	0	01-MAR-95	8270	0.01	U	0.01	EB
Indeno(1,2,3-c,d)pyrene	SNL0094749	LWDS-MW2	0	12-JUN-95	8270	0.01	U	0.01	EB
Indeno(1,2,3-c,d)pyrene	SNL0099100	LWDS-MW2	0	24-JUN-93	8270	0.01	U	0.01	EB
Indium-115M	SNL0094220	LWDS-04-BH09-EB	0	18-MAR-94	GAMMA	0.0871	U	0.0871	EB
Indium-115M	SNL0094226	LWDS-05-BH11-EB	0	20-MAR-94	GAMMA	0.966	U	0.966	EB
Indium-115M	SNL0094243	LWDS-MW2	0	07-DEC-94	GAMMA	1.31	U	1.31	EB
Iodine-125	SNL0094220	LWDS-04-BH09-EB	0	18-MAR-94	GAMMA	0	U	0	EB
Iodine-125	SNL0094223	LWDS-04-BH10-EB	0	19-MAR-94	GAMMA	0	U	0	EB
Iodine-125	SNL0094226	LWDS-05-BH11-EB	0	20-MAR-94	GAMMA	0	U	0	EB
Iodine-125	SNL0094227	LWDS-MW1	0	06-JUN-94	GAMMA	0	U	0	EB
Iodine-125	SNL0094243	LWDS-MW2	0	07-DEC-94	GAMMA	0	U	0	EB
Iodine-125	SNL0094247	LWDS-MW1	0	08-DEC-94	GAMMA	0	U	100000000	FB
Iodine-129	SNL0094220	LWDS-04-BH09-EB	0	18-MAR-94	GAMMA	0	U	0	EB
Iodine-129	SNL0094223	LWDS-04-BH10-EB	0	19-MAR-94	GAMMA	0	U	0	EB
Iodine-129	SNL0094226	LWDS-05-BH11-EB	0	20-MAR-94	GAMMA	0	U	0	EB
Iodine-129	SNL0094227	LWDS-MW1	0	06-JUN-94	GAMMA	0	U	0	EB
Iodine-129	SNL0094243	LWDS-MW2	0	07-DEC-94	GAMMA	0	U	0	EB
Iodine-129	SNL0094247	LWDS-MW1	0	08-DEC-94	GAMMA	0	U	100000000	FB
Iodine-131	SNL0094220	LWDS-04-BH09-EB	0	18-MAR-94	GAMMA	0.0109	U	0.0109	EB
Iodine-131	SNL0094223	LWDS-04-BH10-EB	0	19-MAR-94	GAMMA	0.01649	U	0.01649	EB
Iodine-131	SNL0094226	LWDS-05-BH11-EB	0	20-MAR-94	GAMMA	0.0121	U	0.0121	EB
Iodine-131	SNL0094227	LWDS-MW1	0	06-JUN-94	GAMMA	0.0135	U	0.0135	EB
Iodine-131	SNL0094243	LWDS-MW2	0	07-DEC-94	GAMMA	0.0101	U	0.0101	EB
Iodine-131	SNL0094247	LWDS-MW1	0	08-DEC-94	GAMMA	0.0178	U	0.0178	FB
Iridium-192	SNL0094220	LWDS-04-BH09-EB	0	18-MAR-94	GAMMA	0.0114	U	0.0114	EB

Table A-13. Trip blank and equipment blank results for ER Sites 4, 5, and 52.

Analyte	Sample Number	Sample Location	Sample Depth (Ft)	Sample Date	Analytical Method	Amount Detected (mg/L)	Qualifier	Method Detection Limit	Sample Type
Iridium-192	SNL0094223	LWDS-04-BH10-EB	0	19-MAR-94	GAMMA	0.01057	U	0.01057	EB
Iridium-192	SNL0094226	LWDS-05-BH11-EB	0	20-MAR-94	GAMMA	0.0122	U	0.0122	EB
Iridium-192	SNL0094227	LWDS-MW1	0	06-JUN-94	GAMMA	0.0109	U	0.0109	EB
Iridium-192	SNL0094243	LWDS-MW2	0	07-DEC-94	GAMMA	0.01	U	0.01	EB
Iridium-192	SNL0094247	LWDS-MW1	0	08-DEC-94	GAMMA	0.0117	U	0.0117	FB
Iron	SNL0091302	LWDS-04-BH01	0	09-AUG-92	6010	7		0.1	EB
Iron	SNL0091519	LWDS-04-BH01	0	08-AUG-92	6010	0.59		0.1	EB
Iron	SNL0091528	LWDS-04-BH02	0	10-AUG-92	6010	2		0.1	EB
Iron	SNL0091576	LWDS-04-BH02	0	11-AUG-92	6010	0.1	U	0.1	EB
Iron	SNL0091684	LWDS-04-BH03	0	12-AUG-92	6010	0.1	U	0.1	EB
Iron	SNL0091735	LWDS-04-BH03	0	13-AUG-92	6010	0.1	U	0.1	EB
Iron	SNL0091791	LWDS-04-BH04	0	18-AUG-92	6010	0.1	U	0.1	EB
Iron	SNL0091927	LWDS-04-BH04	0	19-AUG-92	6010	0.1	U	0.1	EB
Iron	SNL0092178	LWDS-04-BH05	0	20-AUG-92	6010	1.1		0.1	EB
Iron	SNL0092210	LWDS-MW1	0	24-AUG-92	6010	0.1	U	0.1	EB
Iron	SNL0092218	LWDS-MW1	0	22-AUG-92	6010	0.23		0.1	EB
Iron	SNL0092325	LWDS-MW1	0	23-AUG-92	6010	0.23		0.1	EB
Iron	SNL0092351	LWDS-MW1	0	25-AUG-92	6010	1.8		0.1	EB
Iron	SNL0092374	LWDS-52-BH06	0	05-SEP-92	6010	0.11		0.1	EB
Iron	SNL0092418	LWDS-52-BH08	0	05-SEP-92	6010	0.27		0.1	EB
Iron	SNL0092507	LWDS-52-BH07	0	07-SEP-92	6010	0.1	U	0.1	EB
Iron	SNL0092532	LWDS-MW2	0	07-SEP-92	6010	0.17		0.1	EB
Iron	SNL0092685	LWDS-52-BH07	0	06-SEP-92	6010	0.43		0.1	EB
Iron	SNL0092795	LWDS-MW2	0	23-SEP-92	6010	50.3		0.1	EB
Iron	SNL0092875	LWDS-MW2	0	08-OCT-92	6010	0.1	U	0.1	EB
Iron	SNL0093107	LWDS-MW1	0	28-APR-93	6010	0.6		0.1	EB
Iron	SNL0093238	LWDS-04-BH09	0	18-MAR-94	6010	0.051	J	0.1	EB
Iron	SNL0093276	LWDS-04-BH10	0	19-MAR-94	6010	0.05	J	0.1	EB
Iron	SNL0093369	LWDS-05-BH13	0	22-MAR-94	6010	0.1	U	0.1	EB
Iron	SNL0093459	LWDS-05-BH12	0	21-MAR-94	6010	0.1	U	0.1	EB
Iron	SNL0093576	LWDS-05-BH11	0	20-MAR-94	6010	0.1	U	0.1	EB
Iron	SNL0093616	LWDS-52-BH16	0	24-MAR-94	6010	0.063	J	0.1	EB
Iron	SNL0093648	LWDS-05-BH14	0	23-MAR-94	6010	0.038	J	0.1	EB
Iron	SNL0093707	LWDS-52-BH15	0	23-MAR-94	6010	0.11		0.1	EB
Iron	SNL0094023	LWDS-MW2	0	09-MAR-94	6010	0.03		0.02	EB
Iron	SNL0094026	LWDS-MW2	0	09-MAR-94	6010	0.03		0.02	EB
Iron	SNL0094283	LWDS-MW1	0	06-JUN-94	6010	0.02	U	0.02	EB
Iron	SNL0094289	LWDS-MW1	0	06-JUN-94	6010	0.02	U	0.02	EB
Iron	SNL0094304	LWDS-MW1	0	31-AUG-94	6010	0.1	U	0.1	EB
Iron	SNL0094310	LWDS-MW1	0	31-AUG-94	6010	0.02	U	0.02	EB
Iron	SNL0094415	LWDS-MW2	0	07-DEC-94	6010	0.1	U	0.1	EB
Iron	SNL0094423	LWDS-MW2	0	07-DEC-94	6010	0.34		0.02	EB
Iron	SNL0094621	LWDS MW-2	0	01-MAR-95	6010	0.1	U	0.1	EB
Iron	SNL0094628	LWDS MW-2	0	01-MAR-95	6010	0.02	U	0.02	EB
Iron	SNL0094750	LWDS-MW2	0	12-JUN-95	6010	0.1	U	0.1	EB
Iron	SNL0094759	LWDS-MW2	0	12-JUN-95	6010	0.1	U	0.1	EB
Iron	SNL0099067	LWDS-MW2	0	24-JUN-93	6010	0.02		0.02	EB
Iron-59	SNL0093766	LWDS-MW1	0	27-APR-93	GAMMA	82	U	82	EB
Iron-59	SNL0093779	LWDS-MW2	0	24-JUN-93	GAMMA	67	U	67	EB
Iron-59	SNL0093788	LWDS-MW1	0	03-NOV-93	GAMMA	51	U	51	EB
Iron-59	SNL0094220	LWDS-04-BH09-EB	0	18-MAR-94	GAMMA	0.0192	U	0.0192	EB
Iron-59	SNL0094223	LWDS-04-BH10-EB	0	19-MAR-94	GAMMA	0.02365	U	0.02365	EB
Iron-59	SNL0094226	LWDS-05-BH11-EB	0	20-MAR-94	GAMMA	0.0235	U	0.0235	EB
Iron-59	SNL0094227	LWDS-MW1	0	06-JUN-94	GAMMA	0.0219	U	0.0219	EB
Iron-59	SNL0094243	LWDS-MW2	0	07-DEC-94	GAMMA	0.0217	U	0.0217	EB
Iron-59	SNL0094247	LWDS-MW1	0	08-DEC-94	GAMMA	0.0211	U	0.0211	FB
Iron-59	SNL0094488	LWDS-MW2	0	12-JUN-95	901.1	25		25	EB
Isophorone	SNL0090028	LWDS-04-BH01	0	08-AUG-92	8270	10	U	10	EB
Isophorone	SNL0090031	LWDS-04-BH01	0	09-AUG-92	8270	10	U	10	EB
Isophorone	SNL0090054	LWDS-04-BH02	0	10-AUG-92	8270	10	U	10	EB
Isophorone	SNL0090596	LWDS-04-BH02	0	11-AUG-92	8270	10	U	10	EB
Isophorone	SNL0090623	LWDS-04-BH03	0	12-AUG-92	8270	10	U	10	EB
Isophorone	SNL0091158	LWDS-04-BH03	0	13-AUG-92	8270	10	U	10	EB
Isophorone	SNL0091172	LWDS-04-BH04	0	18-AUG-92	8270	10	U	10	EB
Isophorone	SNL0091173	LWDS-04-BH04	0	18-AUG-92	8270	11	U	11	EB
Isophorone	SNL0091192	LWDS-04-BH04	0	19-AUG-92	8270	10	U	10	EB
Isophorone	SNL0091255	LWDS-04-BH05	0	20-AUG-92	8270	10	U	10	EB
Isophorone	SNL0091273	LWDS-MW1	0	23-AUG-92	8270	10	U	10	EB

Table A-13. Trip blank and equipment blank results for ER Sites 4, 5, and 52.

Analyte	Sample Number	Sample Location	Sample Depth (Ft)	Sample Date	Analytical Method	Amount Detected (mg/L)	Qualifier	Method Detection Limit	Sample Type
Isophorone	SNL0091275	LWDS-MW1	0	22-AUG-92	8270	10	U	10	EB
Isophorone	SNL0091292	LWDS-MW1	0	24-AUG-92	8270	10	U	10	EB
Isophorone	SNL0091299	LWDS-MW1	0	25-AUG-92	8270	10	U	10	EB
Isophorone	SNL0091934	LWDS-52-BH06	0	05-SEP-92	8270	10	U	10	EB
Isophorone	SNL0091945	LWDS-52-BH08	0	05-SEP-92	8270	10	U	10	EB
Isophorone	SNL0092792	LWDS-MW2	0	23-SEP-92	8270	10	U	10	EB
Isophorone	SNL0092872	LWDS-MW2	0	08-OCT-92	8270	10	U	10	EB
Isophorone	SNL0093106	LWDS-MW1	0	28-APR-93	8270	10	U	10	EB
Isophorone	SNL0093237	LWDS-04-BH09	0	18-MAR-94	8270	10	U	10	EB
Isophorone	SNL0093275	LWDS-04-BH10	0	19-MAR-94	8270	10	U	10	EB
Isophorone	SNL0093368	LWDS-05-BH13	0	22-MAR-94	8270	10	U	10	EB
Isophorone	SNL0093458	LWDS-05-BH12	0	21-MAR-94	8270	10	U	10	EB
Isophorone	SNL0093575	LWDS-05-BH11	0	20-MAR-94	8270	10	U	10	EB
Isophorone	SNL0093615	LWDS-52-BH16	0	24-MAR-94	8270	10	U	10	EB
Isophorone	SNL0093647	LWDS-05-BH14	0	23-MAR-94	8270	10	U	10	EB
Isophorone	SNL0093706	LWDS-52-BH15	0	23-MAR-94	8270	10	U	10	EB
Isophorone	SNL0094017	LWDS-MW2	0	11-MAR-94	8270	0.01	U	0.01	EB
Isophorone	SNL0094282	LWDS-MW1	0	06-JUN-94	8270	0.01	U	0.01	EB
Isophorone	SNL0094303	LWDS-MW1	0	31-AUG-94	8270	0.01	U	0.01	EB
Isophorone	SNL0094414	LWDS-MW2	0	07-DEC-94	8270	0.01	U	0.01	EB
Isophorone	SNL0094620	LWDS MW-2	0	01-MAR-95	8270	0.01	U	0.01	EB
Isophorone	SNL0094749	LWDS-MW2	0	12-JUN-95	8270	0.01	U	0.01	EB
Isophorone	SNL0099100	LWDS-MW2	0	24-JUN-93	8270	0.01	U	0.01	EB
Lanthanum-140	SNL0094220	LWDS-04-BH09-EB	0	18-MAR-94	GAMMA	0.014	U	0.014	EB
Lanthanum-140	SNL0094223	LWDS-04-BH10-EB	0	19-MAR-94	GAMMA	0.06743	U	0.06743	EB
Lanthanum-140	SNL0094226	LWDS-05-BH11-EB	0	20-MAR-94	GAMMA	0.0158	U	0.0158	EB
Lanthanum-140	SNL0094227	LWDS-MW1	0	06-JUN-94	GAMMA	0.02	U	0.02	EB
Lanthanum-140	SNL0094243	LWDS-MW2	0	07-DEC-94	GAMMA	0.0158	U	0.0158	EB
Lanthanum-140	SNL0094247	LWDS-MW1	0	08-DEC-94	GAMMA	0.211	U	0.211	FB
Lead	SNL0091304	LWDS-04-BH01	0	09-AUG-92	7421	0.005	U	0.005	EB
Lead	SNL0091521	LWDS-04-BH01	0	08-AUG-92	7421	0.01	U	0.01	EB
Lead	SNL0091530	LWDS-04-BH02	0	10-AUG-92	7421	0.005	U	0.005	EB
Lead	SNL0091578	LWDS-04-BH02	0	11-AUG-92	7421	0.005	U	0.005	EB
Lead	SNL0091686	LWDS-04-BH03	0	12-AUG-92	7421	0.005	U	0.005	EB
Lead	SNL0091737	LWDS-04-BH03	0	13-AUG-92	7421	0.005	U	0.005	EB
Lead	SNL0091793	LWDS-04-BH04	0	18-AUG-92	7421	0.005	U	0.005	EB
Lead	SNL0091929	LWDS-04-BH04	0	19-AUG-92	7421	0.0062		0.005	EB
Lead	SNL0092180	LWDS-04-BH05	0	20-AUG-92	7421	0.005	U	0.005	EB
Lead	SNL0092212	LWDS-MW1	0	24-AUG-92	7421	0.005	U	0.005	EB
Lead	SNL0092220	LWDS-MW1	0	22-AUG-92	7421	0.005	U	0.005	EB
Lead	SNL0092327	LWDS-MW1	0	23-AUG-92	7421	0.0058		0.005	EB
Lead	SNL0092353	LWDS-MW1	0	25-AUG-92	7421	0.01	U	0.01	EB
Lead	SNL0092376	LWDS-52-BH06	0	05-SEP-92	7421	0.005	U	0.005	EB
Lead	SNL0092420	LWDS-52-BH08	0	05-SEP-92	7421	0.005	U	0.005	EB
Lead	SNL0092509	LWDS-52-BH07	0	07-SEP-92	7421	0.005	U	0.005	EB
Lead	SNL0092534	LWDS-MW2	0	07-SEP-92	7421	0.005	U	0.005	EB
Lead	SNL0092687	LWDS-52-BH07	0	06-SEP-92	7421	0.005	U	0.005	EB
Lead	SNL0092797	LWDS-MW2	0	23-SEP-92	7421	0.03		0.005	EB
Lead	SNL0092877	LWDS-MW2	0	08-OCT-92	7421	0.005	U	0.005	EB
Lead	SNL0093110	LWDS-MW1	0	28-APR-93	7421	0.005	U	0.005	EB
Lead	SNL0093240	LWDS-04-BH09	0	18-MAR-94	7421	0.0015	J	0.005	EB
Lead	SNL0093278	LWDS-04-BH10	0	19-MAR-94	7421	0.005	U	0.005	EB
Lead	SNL0093461	LWDS-05-BH12	0	21-MAR-94	7421	0.005	U	0.005	EB
Lead	SNL0093578	LWDS-05-BH11	0	20-MAR-94	7421	0.0021	J	0.005	EB
Lead	SNL0093618	LWDS-52-BH16	0	24-MAR-94	7421	0.005	U	0.005	EB
Lead	SNL0093650	LWDS-05-BH14	0	23-MAR-94	7421	0.005	U	0.005	EB
Lead	SNL0093709	LWDS-52-BH15	0	23-MAR-94	7421	0.005	U	0.005	EB
Lead	SNL0094028	LWDS-MW2	0	09-MAR-94	7421	0.001	U	0.001	EB
Lead	SNL0094285	LWDS-MW1	0	06-JUN-94	7421	0.003	U	0.003	EB
Lead	SNL0094306	LWDS-MW1	0	31-AUG-94	7421	0.003	U	0.003	EB
Lead	SNL0094416	LWDS-MW2	0	07-DEC-94	6020	0.003	U	0.003	EB
Lead	SNL0094622	LWDS MW-2	0	01-MAR-95	6020	0.003	U	0.003	EB
Lead	SNL0094751	LWDS-MW2	0	12-JUN-95	6020	0.003	U	0.003	EB
Lead	SNL0099069	LWDS-MW2	0	24-JUN-93	7421	0.003	U	0.003	EB
Lead-210	SNL0091301	LWDS-04-BH01	0	09-AUG-92	GAMMA	339	<	339	EB
Lead-210	SNL0091518	LWDS-04-BH01	0	08-AUG-92	GAMMA	339	<	339	EB
Lead-210	SNL0091526	LWDS-04-BH02	0	10-AUG-92	GAMMA	342	<	342	EB
Lead-210	SNL0091574	LWDS-04-BH02	0	11-AUG-92	GAMMA	333	<	333	EB

Table A-13. Trip blank and equipment blank results for ER Sites 4, 5, and 52.

Analyte	Sample Number	Sample Location	Sample Depth (Ft)	Sample Date	Analytical Method	Amount Detected (mg/L)	Qualifier	Method Detection Limit	Sample Type
Lead-210	SNL0091682	LWDS-04-BH03	0	12-AUG-92	GAMMA	340	<	340	EB
Lead-210	SNL0091733	LWDS-04-BH03	0	13-AUG-92	GAMMA	308	<	308	EB
Lead-210	SNL0091789	LWDS-04-BH04	0	18-AUG-92	GAMMA	337	<	337	EB
Lead-210	SNL0091925	LWDS-04-BH04	0	19-AUG-92	GAMMA	354	<	354	EB
Lead-210	SNL0092176	LWDS-04-BH05	0	20-AUG-92	GAMMA	324	<	324	EB
Lead-210	SNL0092208	LWDS-MW1	0	24-AUG-92	GAMMA	316	<	316	EB
Lead-210	SNL0092216	LWDS-MW1	0	22-AUG-92	GAMMA	342	<	342	EB
Lead-210	SNL0092323	LWDS-MW1	0	23-AUG-92	GAMMA	172	<	172	EB
Lead-210	SNL0092349	LWDS-MW1	0	25-AUG-92	GAMMA	163	<	163	EB
Lead-210	SNL0092373	LWDS-52-BH06	0	05-SEP-92	GAMMA	164	<	164	EB
Lead-210	SNL0092417	LWDS-52-BH08	0	05-SEP-92	GAMMA	163	<	163	EB
Lead-210	SNL0092506	LWDS-52-BH07	0	07-SEP-92	GAMMA	169	<	169	EB
Lead-210	SNL0092538	LWDS-MW2	0	07-SEP-92	GAMMA	204	<	204	EB
Lead-210	SNL0092684	LWDS-52-BH07	0	06-SEP-92	GAMMA	170	<	170	EB
Lead-210	SNL0092793	LWDS-MW2	0	23-SEP-92	GAMMA	172	<	172	EB
Lead-210	SNL0092873	LWDS-MW2	0	08-OCT-92	GAMMA	159	<	159	EB
Lead-210	SNL0094220	LWDS-04-BH09-EB	0	18-MAR-94	GAMMA	0	U	0	EB
Lead-210	SNL0094223	LWDS-04-BH10-EB	0	19-MAR-94	GAMMA	0	U	0	EB
Lead-210	SNL0094226	LWDS-05-BH11-EB	0	20-MAR-94	GAMMA	0	U	0	EB
Lead-210	SNL0094227	LWDS-MW1	0	06-JUN-94	GAMMA	0	U	0	EB
Lead-210	SNL0094243	LWDS-MW2	0	07-DEC-94	GAMMA	0	U	0	EB
Lead-210	SNL0094247	LWDS-MW1	0	08-DEC-94	GAMMA	0	U	100000000	FB
Lead-212	SNL0091301	LWDS-04-BH01	0	09-AUG-92	GAMMA	39.1	<	39.1	EB
Lead-212	SNL0091518	LWDS-04-BH01	0	08-AUG-92	GAMMA	44.1	<	44.1	EB
Lead-212	SNL0091526	LWDS-04-BH02	0	10-AUG-92	GAMMA	41.2	<	41.2	EB
Lead-212	SNL0091574	LWDS-04-BH02	0	11-AUG-92	GAMMA	37	<	37	EB
Lead-212	SNL0091682	LWDS-04-BH03	0	12-AUG-92	GAMMA	38.2	<	38.2	EB
Lead-212	SNL0091733	LWDS-04-BH03	0	13-AUG-92	GAMMA	42.7	<	42.7	EB
Lead-212	SNL0091789	LWDS-04-BH04	0	18-AUG-92	GAMMA	48.7	<	48.7	EB
Lead-212	SNL0091925	LWDS-04-BH04	0	19-AUG-92	GAMMA	41.9	<	41.9	EB
Lead-212	SNL0092176	LWDS-04-BH05	0	20-AUG-92	GAMMA	47.4	<	47.4	EB
Lead-212	SNL0092208	LWDS-MW1	0	24-AUG-92	GAMMA	45.9	<	45.9	EB
Lead-212	SNL0092216	LWDS-MW1	0	22-AUG-92	GAMMA	41.7	<	41.7	EB
Lead-212	SNL0092323	LWDS-MW1	0	23-AUG-92	GAMMA	20.8	<	20.8	EB
Lead-212	SNL0092349	LWDS-MW1	0	25-AUG-92	GAMMA	17.5	<	17.5	EB
Lead-212	SNL0092373	LWDS-52-BH06	0	05-SEP-92	GAMMA	20.2	<	20.2	EB
Lead-212	SNL0092417	LWDS-52-BH08	0	05-SEP-92	GAMMA	22.8	<	22.8	EB
Lead-212	SNL0092506	LWDS-52-BH07	0	07-SEP-92	GAMMA	20.1	<	20.1	EB
Lead-212	SNL0092538	LWDS-MW2	0	07-SEP-92	GAMMA	28.9	<	28.9	EB
Lead-212	SNL0092684	LWDS-52-BH07	0	06-SEP-92	GAMMA	23.2	<	23.2	EB
Lead-212	SNL0092793	LWDS-MW2	0	23-SEP-92	GAMMA	40		100000000	EB
Lead-212	SNL0092873	LWDS-MW2	0	08-OCT-92	GAMMA	18.5	<	18.5	EB
Lead-212	SNL0093766	LWDS-MW1	0	27-APR-93	GAMMA	60	U	60	EB
Lead-212	SNL0093779	LWDS-MW2	0	24-JUN-93	GAMMA	33	U	33	EB
Lead-212	SNL0093788	LWDS-MW1	0	03-NOV-93	GAMMA	31	U	31	EB
Lead-212	SNL0094220	LWDS-04-BH09-EB	0	18-MAR-94	GAMMA	0.0291	U	0.0291	EB
Lead-212	SNL0094223	LWDS-04-BH10-EB	0	19-MAR-94	GAMMA	0.02748	U	0.02748	EB
Lead-212	SNL0094226	LWDS-05-BH11-EB	0	20-MAR-94	GAMMA	0.0229	U	0.0229	EB
Lead-212	SNL0094227	LWDS-MW1	0	06-JUN-94	GAMMA	0.0197	U	0.0197	EB
Lead-212	SNL0094243	LWDS-MW2	0	07-DEC-94	GAMMA	0.0219	U	0.0219	EB
Lead-212	SNL0094247	LWDS-MW1	0	08-DEC-94	GAMMA	0.0191	U	0.0191	FB
Lead-212	SNL0094488	LWDS-MW2	0	12-JUN-95	901.1	18.7		18.7	EB
Lead-214	SNL0091301	LWDS-04-BH01	0	09-AUG-92	GAMMA	46.2	<	46.2	EB
Lead-214	SNL0091518	LWDS-04-BH01	0	08-AUG-92	GAMMA	55.6	<	55.6	EB
Lead-214	SNL0091526	LWDS-04-BH02	0	10-AUG-92	GAMMA	55.4	<	55.4	EB
Lead-214	SNL0091574	LWDS-04-BH02	0	11-AUG-92	GAMMA	56.6	<	56.6	EB
Lead-214	SNL0091682	LWDS-04-BH03	0	12-AUG-92	GAMMA	52.7	<	52.7	EB
Lead-214	SNL0091733	LWDS-04-BH03	0	13-AUG-92	GAMMA	56.2	<	56.2	EB
Lead-214	SNL0091789	LWDS-04-BH04	0	18-AUG-92	GAMMA	48.1	<	48.1	EB
Lead-214	SNL0091925	LWDS-04-BH04	0	19-AUG-92	GAMMA	57.3	<	57.3	EB
Lead-214	SNL0092176	LWDS-04-BH05	0	20-AUG-92	GAMMA	53.1	<	53.1	EB
Lead-214	SNL0092208	LWDS-MW1	0	24-AUG-92	GAMMA	58.6	<	58.6	EB
Lead-214	SNL0092216	LWDS-MW1	0	22-AUG-92	GAMMA	62.2	<	62.2	EB
Lead-214	SNL0092323	LWDS-MW1	0	23-AUG-92	GAMMA	29.4	<	29.4	EB
Lead-214	SNL0092349	LWDS-MW1	0	25-AUG-92	GAMMA	20.7	<	20.7	EB
Lead-214	SNL0092373	LWDS-52-BH06	0	05-SEP-92	GAMMA	27.8	<	27.8	EB
Lead-214	SNL0092417	LWDS-52-BH08	0	05-SEP-92	GAMMA	24.3	<	24.3	EB
Lead-214	SNL0092506	LWDS-52-BH07	0	07-SEP-92	GAMMA	24.3	<	24.3	EB

Table A-13. Trip blank and equipment blank results for ER Sites 4, 5, and 52.

Analyte	Sample Number	Sample Location	Sample Depth (Ft)	Sample Date	Analytical Method	Amount Detected (mg/L)	Qualifier	Method Detection Limit	Sample Type
Lead-214	SNL0092538	LWDS-MW2	0	07-SEP-92	GAMMA	36.6	<	36.6	EB
Lead-214	SNL0092684	LWDS-52-BH07	0	06-SEP-92	GAMMA	24.9	<	24.9	EB
Lead-214	SNL0092793	LWDS-MW2	0	23-SEP-92	GAMMA	28.8	<	28.8	EB
Lead-214	SNL0092873	LWDS-MW2	0	08-OCT-92	GAMMA	28.3	<	28.3	EB
Lead-214	SNL0093766	LWDS-MW1	0	27-APR-93	GAMMA	55	U	55	EB
Lead-214	SNL0093779	LWDS-MW2	0	24-JUN-93	GAMMA	43	U	43	EB
Lead-214	SNL0093788	LWDS-MW1	0	03-NOV-93	GAMMA	47	U	47	EB
Lead-214	SNL0094220	LWDS-04-BH09-EB	0	18-MAR-94	GAMMA	0.0317	U	0.0317	EB
Lead-214	SNL0094223	LWDS-04-BH10-EB	0	19-MAR-94	GAMMA	0.19276		100000000	EB
Lead-214	SNL0094226	LWDS-05-BH11-EB	0	20-MAR-94	GAMMA	0.031	U	0.031	EB
Lead-214	SNL0094227	LWDS-MW1	0	06-JUN-94	GAMMA	0.0249	U	0.0249	EB
Lead-214	SNL0094243	LWDS-MW2	0	07-DEC-94	GAMMA	0.0262	U	0.0262	EB
Lead-214	SNL0094247	LWDS-MW1	0	08-DEC-94	GAMMA	0.0299	U	0.0299	FB
Lead-214	SNL0094488	LWDS-MW2	0	12-JUN-95	901.1	25		25	EB
Magnesium	SNL0091302	LWDS-04-BH01	0	09-AUG-92	6010	1.9		0.2	EB
Magnesium	SNL0091519	LWDS-04-BH01	0	08-AUG-92	6010	0.21		0.2	EB
Magnesium	SNL0091528	LWDS-04-BH02	0	10-AUG-92	6010	0.61		0.2	EB
Magnesium	SNL0091576	LWDS-04-BH02	0	11-AUG-92	6010	0.2	U	0.2	EB
Magnesium	SNL0091684	LWDS-04-BH03	0	12-AUG-92	6010	0.2	U	0.2	EB
Magnesium	SNL0091735	LWDS-04-BH03	0	13-AUG-92	6010	0.2	U	0.2	EB
Magnesium	SNL0091791	LWDS-04-BH04	0	18-AUG-92	6010	0.2	U	0.2	EB
Magnesium	SNL0091927	LWDS-04-BH04	0	19-AUG-92	6010	0.2	U	0.2	EB
Magnesium	SNL0092178	LWDS-04-BH05	0	20-AUG-92	6010	0.2	U	0.2	EB
Magnesium	SNL0092210	LWDS-MW1	0	24-AUG-92	6010	0.2	U	0.2	EB
Magnesium	SNL0092218	LWDS-MW1	0	22-AUG-92	6010	0.2	U	0.2	EB
Magnesium	SNL0092325	LWDS-MW1	0	23-AUG-92	6010	0.2	U	0.2	EB
Magnesium	SNL0092351	LWDS-MW1	0	25-AUG-92	6010	0.68		0.2	EB
Magnesium	SNL0092374	LWDS-52-BH06	0	05-SEP-92	6010	0.2	U	0.2	EB
Magnesium	SNL0092418	LWDS-52-BH08	0	05-SEP-92	6010	0.2	U	0.2	EB
Magnesium	SNL0092507	LWDS-52-BH07	0	07-SEP-92	6010	0.2	U	0.2	EB
Magnesium	SNL0092532	LWDS-MW2	0	07-SEP-92	6010	0.2	U	0.2	EB
Magnesium	SNL0092685	LWDS-52-BH07	0	06-SEP-92	6010	0.2	U	0.2	EB
Magnesium	SNL0092795	LWDS-MW2	0	23-SEP-92	6010	12.2		0.2	EB
Magnesium	SNL0092875	LWDS-MW2	0	08-OCT-92	6010	0.2	U	0.2	EB
Magnesium	SNL0093107	LWDS-MW1	0	28-APR-93	6010	0.2	U	0.2	EB
Magnesium	SNL0093238	LWDS-04-BH09	0	18-MAR-94	6010	0.2	U	0.2	EB
Magnesium	SNL0093276	LWDS-04-BH10	0	19-MAR-94	6010	0.2	U	0.2	EB
Magnesium	SNL0093369	LWDS-05-BH13	0	22-MAR-94	6010	0.2	U	0.2	EB
Magnesium	SNL0093459	LWDS-05-BH12	0	21-MAR-94	6010	0.2	U	0.2	EB
Magnesium	SNL0093576	LWDS-05-BH11	0	20-MAR-94	6010	0.2	U	0.2	EB
Magnesium	SNL0093616	LWDS-52-BH16	0	24-MAR-94	6010	0.2	U	0.2	EB
Magnesium	SNL0093648	LWDS-05-BH14	0	23-MAR-94	6010	0.2	U	0.2	EB
Magnesium	SNL0093707	LWDS-52-BH15	0	23-MAR-94	6010	0.095	J	0.2	EB
Magnesium	SNL0094023	LWDS-MW2	0	09-MAR-94	6010	0.2	U	0.2	EB
Magnesium	SNL0094026	LWDS-MW2	0	09-MAR-94	6010	0.2	U	0.2	EB
Magnesium	SNL0094283	LWDS-MW1	0	06-JUN-94	6010	0.2	U	0.2	EB
Magnesium	SNL0094289	LWDS-MW1	0	06-JUN-94	6010	0.2	U	0.2	EB
Magnesium	SNL0094304	LWDS-MW1	0	31-AUG-94	6010	5	U	5	EB
Magnesium	SNL0094310	LWDS-MW1	0	31-AUG-94	6010	0.2	U	0.2	EB
Magnesium	SNL0094415	LWDS-MW2	0	07-DEC-94	6010	5	U	5	EB
Magnesium	SNL0094423	LWDS-MW2	0	07-DEC-94	6010	0.2	U	0.2	EB
Magnesium	SNL0094621	LWDS MW-2	0	01-MAR-95	6010	5	U	5	EB
Magnesium	SNL0094628	LWDS MW-2	0	01-MAR-95	6010	0.2	U	0.2	EB
Magnesium	SNL0094750	LWDS-MW2	0	12-JUN-95	6010	5	U	5	EB
Magnesium	SNL0094759	LWDS-MW2	0	12-JUN-95	6010	5	U	5	EB
Magnesium	SNL0099067	LWDS-MW2	0	24-JUN-93	6010	0.2	U	0.2	EB
Manganese	SNL0091302	LWDS-04-BH01	0	09-AUG-92	6010	0.12		0.01	EB
Manganese	SNL0091519	LWDS-04-BH01	0	08-AUG-92	6010	0.011		0.01	EB
Manganese	SNL0091528	LWDS-04-BH02	0	10-AUG-92	6010	0.034		0.01	EB
Manganese	SNL0091576	LWDS-04-BH02	0	11-AUG-92	6010	0.01	U	0.01	EB
Manganese	SNL0091684	LWDS-04-BH03	0	12-AUG-92	6010	0.01	U	0.01	EB
Manganese	SNL0091735	LWDS-04-BH03	0	13-AUG-92	6010	0.01	U	0.01	EB
Manganese	SNL0091791	LWDS-04-BH04	0	18-AUG-92	6010	0.01	U	0.01	EB
Manganese	SNL0091927	LWDS-04-BH04	0	19-AUG-92	6010	0.01	U	0.01	EB
Manganese	SNL0092178	LWDS-04-BH05	0	20-AUG-92	6010	0.018		0.01	EB
Manganese	SNL0092210	LWDS-MW1	0	24-AUG-92	6010	0.01	U	0.01	EB
Manganese	SNL0092218	LWDS-MW1	0	22-AUG-92	6010	0.01	U	0.01	EB
Manganese	SNL0092325	LWDS-MW1	0	23-AUG-92	6010	0.01	U	0.01	EB

Table A-13. Trip blank and equipment blank results for ER Sites 4, 5, and 52.

Analyte	Sample Number	Sample Location	Sample Depth (Ft)	Sample Date	Analytical Method	Amount Detected (mg/L)	Qualifier	Method Detection Limit	Sample Type
Manganese	SNL0092351	LWDS-MW1	0	25-AUG-92	6010	0.034		0.01	EB
Manganese	SNL0092374	LWDS-52-BH06	0	05-SEP-92	6010	0.01	U	0.01	EB
Manganese	SNL0092418	LWDS-52-BH08	0	05-SEP-92	6010	0.01	U	0.01	EB
Manganese	SNL0092507	LWDS-52-BH07	0	07-SEP-92	6010	0.01	U	0.01	EB
Manganese	SNL0092532	LWDS-MW2	0	07-SEP-92	6010	0.01	U	0.01	EB
Manganese	SNL0092685	LWDS-52-BH07	0	06-SEP-92	6010	0.01		0.01	EB
Manganese	SNL0092795	LWDS-MW2	0	23-SEP-92	6010	1.5		0.01	EB
Manganese	SNL0092875	LWDS-MW2	0	08-OCT-92	6010	0.01	U	0.01	EB
Manganese	SNL0093107	LWDS-MW1	0	28-APR-93	6010	0.034		0.01	EB
Manganese	SNL0093238	LWDS-04-BH09	0	18-MAR-94	6010	0.0064	J	0.01	EB
Manganese	SNL0093276	LWDS-04-BH10	0	19-MAR-94	6010	0.0042	J	0.01	EB
Manganese	SNL0093369	LWDS-05-BH13	0	22-MAR-94	6010	0.01	U	0.01	EB
Manganese	SNL0093459	LWDS-05-BH12	0	21-MAR-94	6010	0.01	U	0.01	EB
Manganese	SNL0093576	LWDS-05-BH11	0	20-MAR-94	6010	0.01	U	0.01	EB
Manganese	SNL0093616	LWDS-52-BH16	0	24-MAR-94	6010	0.01	U	0.01	EB
Manganese	SNL0093648	LWDS-05-BH14	0	23-MAR-94	6010	0.0089	J	0.01	EB
Manganese	SNL0093707	LWDS-52-BH15	0	23-MAR-94	6010	0.0054	J	0.01	EB
Manganese	SNL0094026	LWDS-MW2	0	09-MAR-94	6010	0.005	U	0.005	EB
Manganese	SNL0094283	LWDS-MW1	0	06-JUN-94	6010	0.005	U	0.005	EB
Manganese	SNL0094304	LWDS-MW1	0	31-AUG-94	6010	0.015	U	0.015	EB
Manganese	SNL0094415	LWDS-MW2	0	07-DEC-94	6010	0.015	U	0.015	EB
Manganese	SNL0094621	LWDS MW-2	0	01-MAR-95	6010	0.015	U	0.015	EB
Manganese	SNL0094750	LWDS-MW2	0	12-JUN-95	6010	0.015	U	0.015	EB
Manganese	SNL0099067	LWDS-MW2	0	24-JUN-93	6010	0.005	U	0.005	EB
Manganese-54	SNL0091301	LWDS-04-BH01	0	09-AUG-92	GAMMA	22.4	<	22.4	EB
Manganese-54	SNL0091518	LWDS-04-BH01	0	08-AUG-92	GAMMA	14.1	<	14.1	EB
Manganese-54	SNL0091526	LWDS-04-BH02	0	10-AUG-92	GAMMA	22.6	<	22.6	EB
Manganese-54	SNL0091574	LWDS-04-BH02	0	11-AUG-92	GAMMA	12	<	12	EB
Manganese-54	SNL0091682	LWDS-04-BH03	0	12-AUG-92	GAMMA	20.3	<	20.3	EB
Manganese-54	SNL0091733	LWDS-04-BH03	0	13-AUG-92	GAMMA	21.2	<	21.2	EB
Manganese-54	SNL0091789	LWDS-04-BH04	0	18-AUG-92	GAMMA	17.8	<	17.8	EB
Manganese-54	SNL0091925	LWDS-04-BH04	0	19-AUG-92	GAMMA	18.6	<	18.6	EB
Manganese-54	SNL0092176	LWDS-04-BH05	0	20-AUG-92	GAMMA	19	<	19	EB
Manganese-54	SNL0092208	LWDS-MW1	0	24-AUG-92	GAMMA	23.9	<	23.9	EB
Manganese-54	SNL0092216	LWDS-MW1	0	22-AUG-92	GAMMA	20	<	20	EB
Manganese-54	SNL0092323	LWDS-MW1	0	23-AUG-92	GAMMA	12.6	<	12.6	EB
Manganese-54	SNL0092349	LWDS-MW1	0	25-AUG-92	GAMMA	7.3	<	7.3	EB
Manganese-54	SNL0092373	LWDS-52-BH06	0	05-SEP-92	GAMMA	10.6	<	10.6	EB
Manganese-54	SNL0092417	LWDS-52-BH08	0	05-SEP-92	GAMMA	9.16	<	9.16	EB
Manganese-54	SNL0092506	LWDS-52-BH07	0	07-SEP-92	GAMMA	6.28	<	6.28	EB
Manganese-54	SNL0092538	LWDS-MW2	0	07-SEP-92	GAMMA	6.12	<	6.12	EB
Manganese-54	SNL0092684	LWDS-52-BH07	0	06-SEP-92	GAMMA	9.41	<	9.41	EB
Manganese-54	SNL0092793	LWDS-MW2	0	23-SEP-92	GAMMA	9.61	<	9.61	EB
Manganese-54	SNL0092873	LWDS-MW2	0	08-OCT-92	GAMMA	7.82	<	7.82	EB
Manganese-54	SNL0094220	LWDS-04-BH09-EB	0	18-MAR-94	GAMMA	0.0116	U	0.0116	EB
Manganese-54	SNL0094223	LWDS-04-BH10-EB	0	19-MAR-94	GAMMA	0.01342	U	0.01342	EB
Manganese-54	SNL0094226	LWDS-05-BH11-EB	0	20-MAR-94	GAMMA	0.0136	U	0.0136	EB
Manganese-54	SNL0094227	LWDS-MW1	0	06-JUN-94	GAMMA	0.00875	U	0.00875	EB
Manganese-54	SNL0094243	LWDS-MW2	0	07-DEC-94	GAMMA	0.0118	U	0.0118	EB
Manganese-54	SNL0094247	LWDS-MW1	0	08-DEC-94	GAMMA	0.0106	U	0.0106	FB
Manganese-56	SNL0091301	LWDS-04-BH01	0	09-AUG-92	GAMMA	76.6	<	76.6	EB
Manganese-56	SNL0091518	LWDS-04-BH01	0	08-AUG-92	GAMMA	79.5	<	79.5	EB
Manganese-56	SNL0091526	LWDS-04-BH02	0	10-AUG-92	GAMMA	78.4	<	78.4	EB
Manganese-56	SNL0091574	LWDS-04-BH02	0	11-AUG-92	GAMMA	88	<	88	EB
Manganese-56	SNL0091682	LWDS-04-BH03	0	12-AUG-92	GAMMA	72.1	<	72.1	EB
Manganese-56	SNL0091733	LWDS-04-BH03	0	13-AUG-92	GAMMA	88.7	<	88.7	EB
Manganese-56	SNL0091789	LWDS-04-BH04	0	18-AUG-92	GAMMA	70.9	<	70.9	EB
Manganese-56	SNL0091925	LWDS-04-BH04	0	19-AUG-92	GAMMA	87.5	<	87.5	EB
Manganese-56	SNL0092176	LWDS-04-BH05	0	20-AUG-92	GAMMA	71.3	<	71.3	EB
Manganese-56	SNL0092208	LWDS-MW1	0	24-AUG-92	GAMMA	71.7	<	71.7	EB
Manganese-56	SNL0092216	LWDS-MW1	0	22-AUG-92	GAMMA	71.9	<	71.9	EB
Manganese-56	SNL0092323	LWDS-MW1	0	23-AUG-92	GAMMA	13.3	<	13.3	EB
Manganese-56	SNL0092349	LWDS-MW1	0	25-AUG-92	GAMMA	30.5	<	30.5	EB
Manganese-56	SNL0092373	LWDS-52-BH06	0	05-SEP-92	GAMMA	30.2	<	30.2	EB
Manganese-56	SNL0092417	LWDS-52-BH08	0	05-SEP-92	GAMMA	16.5	<	16.5	EB
Manganese-56	SNL0092506	LWDS-52-BH07	0	07-SEP-92	GAMMA	17.4	<	17.4	EB
Manganese-56	SNL0092538	LWDS-MW2	0	07-SEP-92	GAMMA	33.4	<	33.4	EB
Manganese-56	SNL0092684	LWDS-52-BH07	0	06-SEP-92	GAMMA	18.2	<	18.2	EB

Table A-13. Trip blank and equipment blank results for ER Sites 4, 5, and 52.

Analyte	Sample Number	Sample Location	Sample Depth (Ft)	Sample Date	Analytical Method	Amount Detected (mg/L)	Qualifier	Method Detection Limit	Sample Type
Manganese-56	SNL0092793	LWDS-MW2	0	23-SEP-92	GAMMA	38.2	<	38.2	EB
Manganese-56	SNL0092873	LWDS-MW2	0	08-OCT-92	GAMMA	25.9	<	25.9	EB
Manganese-56	SNL0094220	LWDS-04-BH09-EB	0	18-MAR-94	GAMMA	0.247	U	0.247	EB
Mercury	SNL0091305	LWDS-04-BH01	0	09-AUG-92	7470	0.0002	U	0.0002	EB
Mercury	SNL0091522	LWDS-04-BH01	0	08-AUG-92	7470	0.0002	U	0.0002	EB
Mercury	SNL0091531	LWDS-04-BH02	0	10-AUG-92	7470	0.0002	U	0.0002	EB
Mercury	SNL0091579	LWDS-04-BH02	0	11-AUG-92	7470	0.0002	U	0.0002	EB
Mercury	SNL0091687	LWDS-04-BH03	0	12-AUG-92	7470	0.0002	U	0.0002	EB
Mercury	SNL0091738	LWDS-04-BH03	0	13-AUG-92	7470	0.0002	U	0.0002	EB
Mercury	SNL0091794	LWDS-04-BH04	0	18-AUG-92	7470	0.0002	U	0.0002	EB
Mercury	SNL0091930	LWDS-04-BH04	0	19-AUG-92	7470	0.0002	U	0.0002	EB
Mercury	SNL0092181	LWDS-04-BH05	0	20-AUG-92	7470	0.0002	U	0.0002	EB
Mercury	SNL0092213	LWDS-MW1	0	24-AUG-92	7470	0.0002	U	0.0002	EB
Mercury	SNL0092221	LWDS-MW1	0	22-AUG-92	7470	0.0002	U	0.0002	EB
Mercury	SNL0092328	LWDS-MW1	0	23-AUG-92	7470	0.0002	U	0.0002	EB
Mercury	SNL0092354	LWDS-MW1	0	25-AUG-92	7470	0.0002	U	0.0002	EB
Mercury	SNL0092377	LWDS-52-BH06	0	05-SEP-92	7470	0.0002	U	0.0002	EB
Mercury	SNL0092421	LWDS-52-BH08	0	05-SEP-92	7470	0.0002	U	0.0002	EB
Mercury	SNL0092510	LWDS-52-BH07	0	07-SEP-92	7470	0.0002	U	0.0002	EB
Mercury	SNL0092535	LWDS-MW2	0	07-SEP-92	7470	0.0002	U	0.0002	EB
Mercury	SNL0092688	LWDS-52-BH07	0	06-SEP-92	7470	0.0002	U	0.0002	EB
Mercury	SNL0092798	LWDS-MW2	0	23-SEP-92	7470	0.0002	U	0.0002	EB
Mercury	SNL0092878	LWDS-MW2	0	08-OCT-92	7470	0.0002	U	0.0002	EB
Mercury	SNL0093111	LWDS-MW1	0	28-APR-93	7470	0.0002	U	0.0002	EB
Mercury	SNL0093241	LWDS-04-BH09	0	18-MAR-94	7470	0.00025		0.0002	EB
Mercury	SNL0093279	LWDS-04-BH10	0	19-MAR-94	7470	0.0002	U	0.0002	EB
Mercury	SNL0093462	LWDS-05-BH12	0	21-MAR-94	7470	0.0002	U	0.0002	EB
Mercury	SNL0093579	LWDS-05-BH11	0	20-MAR-94	7470	0.0002	U	0.0002	EB
Mercury	SNL0093619	LWDS-52-BH16	0	24-MAR-94	7470	0.0002	U	0.0002	EB
Mercury	SNL0093651	LWDS-05-BH14	0	23-MAR-94	7470	0.0002	U	0.0002	EB
Mercury	SNL0093710	LWDS-52-BH15	0	23-MAR-94	7470	0.0002	U	0.0002	EB
Mercury	SNL0094029	LWDS-MW2	0	09-MAR-94	7470	0.0002	U	0.0002	EB
Mercury	SNL0094286	LWDS-MW1	0	06-JUN-94	7470	0.0002	U	0.0002	EB
Mercury	SNL0094307	LWDS-MW1	0	31-AUG-94	7470	0.0002	U	0.0002	EB
Mercury	SNL0094417	LWDS-MW2	0	07-DEC-94	7470	0.0002	U	0.0002	EB
Mercury	SNL0094623	LWDS MW-2	0	01-MAR-95	7470	0.0002	U	0.0002	EB
Mercury	SNL0094752	LWDS-MW2	0	12-JUN-95	7470	0.0002	U	0.0002	EB
Mercury	SNL0099070	LWDS-MW2	0	24-JUN-93	7470	0.0002	U	0.0002	EB
Mercury-203	SNL0094220	LWDS-04-BH09-EB	0	18-MAR-94	GAMMA	0.0126	U	0.0126	EB
Mercury-203	SNL0094223	LWDS-04-BH10-EB	0	19-MAR-94	GAMMA	0.01337	U	0.01337	EB
Mercury-203	SNL0094226	LWDS-05-BH11-EB	0	20-MAR-94	GAMMA	0.0118	U	0.0118	EB
Mercury-203	SNL0094227	LWDS-MW1	0	06-JUN-94	GAMMA	0.0122	U	0.0122	EB
Mercury-203	SNL0094243	LWDS-MW2	0	07-DEC-94	GAMMA	0.0117	U	0.0117	EB
Mercury-203	SNL0094247	LWDS-MW1	0	08-DEC-94	GAMMA	0.011	U	0.011	FB
Methylene chloride	SNL0094465	LWDS-MW1	0	18-MAR-96	8010	5	U	5	TB
Methylene chloride	SNL0094521	LWDS-MW2	0	21-SEP-95	8260	11.7	B	1	TB
Methylene chloride	SNL0094530	LWDS-MW1	0	25-SEP-95	8260	11.7	B	1	TB
Methylene chloride	SNL0094531	LWDS-MW1	0	25-SEP-95	8260	1	UB	1	FB
Methylene chloride	SNL0094543	LWDS-MW2	0	14-DEC-95	8260	1	U	1	TB
Methylene chloride	SNL0094618	LWDS MW-2	0	27-FEB-95	8240	0.005	U	0.005	TB
Methylene chloride	SNL0094619	LWDS MW-2	0	01-MAR-95	8240	0.005	U	0.005	EB
Methylene chloride	SNL0094667	LWDS MW-1	0	02-MAR-95	8240	0.005	U	0.005	TB
Methylene chloride	SNL0094705	LWDS-MW2	0	12-JUN-95	8010	0.001	U	0.001	TB
Methylene chloride	SNL0094748	LWDS-MW2	0	12-JUN-95	8010	0.001	U	0.001	EB
Methylene chloride	SNL0094760	LWDS-MW1	0	14-JUN-95	8010	0.001	U	0.001	TB
Methylene chloride	031518-001	LWDS-MW1-TB		12-MAR-96	PA-SW846-80	2.3	U	2.3	TB
Methylnaphthalene, 2-	SNL0090028	LWDS-04-BH01	0	08-AUG-92	8270	10	U	10	EB
Methylnaphthalene, 2-	SNL0090031	LWDS-04-BH01	0	09-AUG-92	8270	10	U	10	EB
Methylnaphthalene, 2-	SNL0090054	LWDS-04-BH02	0	10-AUG-92	8270	10	U	10	EB
Methylnaphthalene, 2-	SNL0090596	LWDS-04-BH02	0	11-AUG-92	8270	10	U	10	EB
Methylnaphthalene, 2-	SNL0090623	LWDS-04-BH03	0	12-AUG-92	8270	10	U	10	EB
Methylnaphthalene, 2-	SNL0091158	LWDS-04-BH03	0	13-AUG-92	8270	10	U	10	EB
Methylnaphthalene, 2-	SNL0091172	LWDS-04-BH04	0	18-AUG-92	8270	10	U	10	EB
Methylnaphthalene, 2-	SNL0091173	LWDS-04-BH04	0	18-AUG-92	8270	11	U	11	EB
Methylnaphthalene, 2-	SNL0091192	LWDS-04-BH04	0	19-AUG-92	8270	10	U	10	EB
Methylnaphthalene, 2-	SNL0091255	LWDS-04-BH05	0	20-AUG-92	8270	10	U	10	EB
Methylnaphthalene, 2-	SNL0091273	LWDS-MW1	0	23-AUG-92	8270	10	U	10	EB
Methylnaphthalene, 2-	SNL0091275	LWDS-MW1	0	22-AUG-92	8270	10	U	10	EB

Table A-13. Trip blank and equipment blank results for ER Sites 4, 5, and 52.

Analyte	Sample Number	Sample Location	Sample Depth (Ft)	Sample Date	Analytical Method	Amount Detected (mg/L)	Qualifier	Method Detection Limit	Sample Type
Methylnaphthalene, 2-	SNL0091292	LWDS-MW1	0	24-AUG-92	8270	10	U	10	EB
Methylnaphthalene, 2-	SNL0091299	LWDS-MW1	0	25-AUG-92	8270	10	U	10	EB
Methylnaphthalene, 2-	SNL0091934	LWDS-52-BH06	0	05-SEP-92	8270	10	U	10	EB
Methylnaphthalene, 2-	SNL0091945	LWDS-52-BH08	0	05-SEP-92	8270	10	U	10	EB
Methylnaphthalene, 2-	SNL0092792	LWDS-MW2	0	23-SEP-92	8270	10	U	10	EB
Methylnaphthalene, 2-	SNL0092872	LWDS-MW2	0	08-OCT-92	8270	10	U	10	EB
Methylnaphthalene, 2-	SNL0093106	LWDS-MW1	0	28-APR-93	8270	10	U	10	EB
Methylnaphthalene, 2-	SNL0093237	LWDS-04-BH09	0	18-MAR-94	8270	10	U	10	EB
Methylnaphthalene, 2-	SNL0093275	LWDS-04-BH10	0	19-MAR-94	8270	10	U	10	EB
Methylnaphthalene, 2-	SNL0093368	LWDS-05-BH13	0	22-MAR-94	8270	10	U	10	EB
Methylnaphthalene, 2-	SNL0093458	LWDS-05-BH12	0	21-MAR-94	8270	10	U	10	EB
Methylnaphthalene, 2-	SNL0093575	LWDS-05-BH11	0	20-MAR-94	8270	10	U	10	EB
Methylnaphthalene, 2-	SNL0093615	LWDS-52-BH16	0	24-MAR-94	8270	10	U	10	EB
Methylnaphthalene, 2-	SNL0093647	LWDS-05-BH14	0	23-MAR-94	8270	10	U	10	EB
Methylnaphthalene, 2-	SNL0093706	LWDS-52-BH15	0	23-MAR-94	8270	10	U	10	EB
Methylnaphthalene, 2-	SNL0094282	LWDS-MW1	0	06-JUN-94	8270	0.01	U	0.01	EB
Methylnaphthalene, 2-	SNL0094303	LWDS-MW1	0	31-AUG-94	8270	0.01	U	0.01	EB
Methylnaphthalene, 2-	SNL0094414	LWDS-MW2	0	07-DEC-94	8270	0.01	U	0.01	EB
Methylnaphthalene, 2-	SNL0094620	LWDS MW-2	0	01-MAR-95	8270	0.01	U	0.01	EB
Methylnaphthalene, 2-	SNL0094749	LWDS-MW2	0	12-JUN-95	8270	0.01	U	0.01	EB
Methylnaphthalene, 2-	SNL0099100	LWDS-MW2	0	24-JUN-93	8270	0.01	U	0.01	EB
Methylphenol, 2-	SNL0090028	LWDS-04-BH01	0	08-AUG-92	8270	10	U	10	EB
Methylphenol, 2-	SNL0090031	LWDS-04-BH01	0	09-AUG-92	8270	10	U	10	EB
Methylphenol, 2-	SNL0090054	LWDS-04-BH02	0	10-AUG-92	8270	10	U	10	EB
Methylphenol, 2-	SNL0090596	LWDS-04-BH02	0	11-AUG-92	8270	10	U	10	EB
Methylphenol, 2-	SNL0090623	LWDS-04-BH03	0	12-AUG-92	8270	10	U	10	EB
Methylphenol, 2-	SNL0091158	LWDS-04-BH03	0	13-AUG-92	8270	10	U	10	EB
Methylphenol, 2-	SNL0091172	LWDS-04-BH04	0	18-AUG-92	8270	10	U	10	EB
Methylphenol, 2-	SNL0091173	LWDS-04-BH04	0	18-AUG-92	8270	11	U	11	EB
Methylphenol, 2-	SNL0091192	LWDS-04-BH04	0	19-AUG-92	8270	10	U	10	EB
Methylphenol, 2-	SNL0091255	LWDS-04-BH05	0	20-AUG-92	8270	10	U	10	EB
Methylphenol, 2-	SNL0091273	LWDS-MW1	0	23-AUG-92	8270	10	U	10	EB
Methylphenol, 2-	SNL0091275	LWDS-MW1	0	22-AUG-92	8270	10	U	10	EB
Methylphenol, 2-	SNL0091292	LWDS-MW1	0	24-AUG-92	8270	10	U	10	EB
Methylphenol, 2-	SNL0091299	LWDS-MW1	0	25-AUG-92	8270	10	U	10	EB
Methylphenol, 2-	SNL0091934	LWDS-52-BH06	0	05-SEP-92	8270	10	U	10	EB
Methylphenol, 2-	SNL0091945	LWDS-52-BH08	0	05-SEP-92	8270	10	U	10	EB
Methylphenol, 2-	SNL0092792	LWDS-MW2	0	23-SEP-92	8270	10	U	10	EB
Methylphenol, 2-	SNL0092872	LWDS-MW2	0	08-OCT-92	8270	10	U	10	EB
Methylphenol, 2-	SNL0093106	LWDS-MW1	0	28-APR-93	8270	10	U	10	EB
Methylphenol, 2-	SNL0093237	LWDS-04-BH09	0	18-MAR-94	8270	10	U	10	EB
Methylphenol, 2-	SNL0093275	LWDS-04-BH10	0	19-MAR-94	8270	10	U	10	EB
Methylphenol, 2-	SNL0093368	LWDS-05-BH13	0	22-MAR-94	8270	10	U	10	EB
Methylphenol, 2-	SNL0093458	LWDS-05-BH12	0	21-MAR-94	8270	10	U	10	EB
Methylphenol, 2-	SNL0093575	LWDS-05-BH11	0	20-MAR-94	8270	10	U	10	EB
Methylphenol, 2-	SNL0093615	LWDS-52-BH16	0	24-MAR-94	8270	10	U	10	EB
Methylphenol, 2-	SNL0093647	LWDS-05-BH14	0	23-MAR-94	8270	10	U	10	EB
Methylphenol, 2-	SNL0093706	LWDS-52-BH15	0	23-MAR-94	8270	10	U	10	EB
Methylphenol, 2-	SNL0094282	LWDS-MW1	0	06-JUN-94	8270	0.01	U	0.01	EB
Methylphenol, 2-	SNL0094303	LWDS-MW1	0	31-AUG-94	8270	0.01	U	0.01	EB
Methylphenol, 2-	SNL0094414	LWDS-MW2	0	07-DEC-94	8270	0.01	U	0.01	EB
Methylphenol, 2-	SNL0099100	LWDS-MW2	0	24-JUN-93	8270	0.01	U	0.01	EB
Methylphenol, 4-	SNL0090028	LWDS-04-BH01	0	08-AUG-92	8270	10	U	10	EB
Methylphenol, 4-	SNL0090031	LWDS-04-BH01	0	09-AUG-92	8270	10	U	10	EB
Methylphenol, 4-	SNL0090054	LWDS-04-BH02	0	10-AUG-92	8270	10	U	10	EB
Methylphenol, 4-	SNL0090596	LWDS-04-BH02	0	11-AUG-92	8270	10	U	10	EB
Methylphenol, 4-	SNL0090623	LWDS-04-BH03	0	12-AUG-92	8270	10	U	10	EB
Methylphenol, 4-	SNL0091158	LWDS-04-BH03	0	13-AUG-92	8270	10	U	10	EB
Methylphenol, 4-	SNL0091172	LWDS-04-BH04	0	18-AUG-92	8270	10	U	10	EB
Methylphenol, 4-	SNL0091173	LWDS-04-BH04	0	18-AUG-92	8270	11	U	11	EB
Methylphenol, 4-	SNL0091192	LWDS-04-BH04	0	19-AUG-92	8270	10	U	10	EB
Methylphenol, 4-	SNL0091255	LWDS-04-BH05	0	20-AUG-92	8270	10	U	10	EB
Methylphenol, 4-	SNL0091273	LWDS-MW1	0	23-AUG-92	8270	10	U	10	EB
Methylphenol, 4-	SNL0091275	LWDS-MW1	0	22-AUG-92	8270	10	U	10	EB
Methylphenol, 4-	SNL0091292	LWDS-MW1	0	24-AUG-92	8270	10	U	10	EB
Methylphenol, 4-	SNL0091299	LWDS-MW1	0	25-AUG-92	8270	10	U	10	EB
Methylphenol, 4-	SNL0091934	LWDS-52-BH06	0	05-SEP-92	8270	10	U	10	EB
Methylphenol, 4-	SNL0091945	LWDS-52-BH08	0	05-SEP-92	8270	10	U	10	EB

Table A-13. Trip blank and equipment blank results for ER Sites 4, 5, and 52.

Analyte	Sample Number	Sample Location	Sample Depth (Ft)	Sample Date	Analytical Method	Amount Detected (mg/L)	Qualifier	Method Detection Limit	Sample Type
Methylphenol, 4-	SNL0092792	LWDS-MW2	0	23-SEP-92	8270	10	U	10	EB
Methylphenol, 4-	SNL0092872	LWDS-MW2	0	08-OCT-92	8270	10	U	10	EB
Methylphenol, 4-	SNL0093106	LWDS-MW1	0	28-APR-93	8270	10	U	10	EB
Methylphenol, 4-	SNL0093237	LWDS-04-BH09	0	18-MAR-94	8270	10	U	10	EB
Methylphenol, 4-	SNL0093275	LWDS-04-BH10	0	19-MAR-94	8270	10	U	10	EB
Methylphenol, 4-	SNL0093368	LWDS-05-BH13	0	22-MAR-94	8270	10	U	10	EB
Methylphenol, 4-	SNL0093458	LWDS-05-BH12	0	21-MAR-94	8270	10	U	10	EB
Methylphenol, 4-	SNL0093575	LWDS-05-BH11	0	20-MAR-94	8270	10	U	10	EB
Methylphenol, 4-	SNL0093615	LWDS-52-BH16	0	24-MAR-94	8270	10	U	10	EB
Methylphenol, 4-	SNL0093647	LWDS-05-BH14	0	23-MAR-94	8270	10	U	10	EB
Methylphenol, 4-	SNL0093706	LWDS-52-BH15	0	23-MAR-94	8270	10	U	10	EB
Methylphenol, 4-	SNL0094282	LWDS-MW1	0	06-JUN-94	8270	0.01	U	0.01	EB
Methylphenol, 4-	SNL0094303	LWDS-MW1	0	31-AUG-94	8270	0.01	U	0.01	EB
Methylphenol, 4-	SNL0094414	LWDS-MW2	0	07-DEC-94	8270	0.01	U	0.01	EB
Methylphenol, 4-	SNL0094620	LWDS MW-2	0	01-MAR-95	8270	0.01	U	0.01	EB
Methylphenol, 4-	SNL0094749	LWDS-MW2	0	12-JUN-95	8270	0.01	U	0.01	EB
Methylphenol, 4-	SNL0099100	LWDS-MW2	0	24-JUN-93	8270	0.01	U	0.01	EB
Naphthalene	SNL0090028	LWDS-04-BH01	0	08-AUG-92	8270	10	U	10	EB
Naphthalene	SNL0090031	LWDS-04-BH01	0	09-AUG-92	8270	10	U	10	EB
Naphthalene	SNL0090054	LWDS-04-BH02	0	10-AUG-92	8270	10	U	10	EB
Naphthalene	SNL0090596	LWDS-04-BH02	0	11-AUG-92	8270	10	U	10	EB
Naphthalene	SNL0090623	LWDS-04-BH03	0	12-AUG-92	8270	10	U	10	EB
Naphthalene	SNL0091158	LWDS-04-BH03	0	13-AUG-92	8270	10	U	10	EB
Naphthalene	SNL0091172	LWDS-04-BH04	0	18-AUG-92	8270	10	U	10	EB
Naphthalene	SNL0091173	LWDS-04-BH04	0	18-AUG-92	8270	11	U	11	EB
Naphthalene	SNL0091192	LWDS-04-BH04	0	19-AUG-92	8270	10	U	10	EB
Naphthalene	SNL0091255	LWDS-04-BH05	0	20-AUG-92	8270	10	U	10	EB
Naphthalene	SNL0091273	LWDS-MW1	0	23-AUG-92	8270	10	U	10	EB
Naphthalene	SNL0091275	LWDS-MW1	0	22-AUG-92	8270	10	U	10	EB
Naphthalene	SNL0091292	LWDS-MW1	0	24-AUG-92	8270	10	U	10	EB
Naphthalene	SNL0091299	LWDS-MW1	0	25-AUG-92	8270	10	U	10	EB
Naphthalene	SNL0091934	LWDS-52-BH06	0	05-SEP-92	8270	10	U	10	EB
Naphthalene	SNL0091945	LWDS-52-BH08	0	05-SEP-92	8270	10	U	10	EB
Naphthalene	SNL0092792	LWDS-MW2	0	23-SEP-92	8270	10	U	10	EB
Naphthalene	SNL0092872	LWDS-MW2	0	08-OCT-92	8270	10	U	10	EB
Naphthalene	SNL0093106	LWDS-MW1	0	28-APR-93	8270	10	U	10	EB
Naphthalene	SNL0093237	LWDS-04-BH09	0	18-MAR-94	8270	10	U	10	EB
Naphthalene	SNL0093275	LWDS-04-BH10	0	19-MAR-94	8270	10	U	10	EB
Naphthalene	SNL0093368	LWDS-05-BH13	0	22-MAR-94	8270	10	U	10	EB
Naphthalene	SNL0093458	LWDS-05-BH12	0	21-MAR-94	8270	10	U	10	EB
Naphthalene	SNL0093575	LWDS-05-BH11	0	20-MAR-94	8270	10	U	10	EB
Naphthalene	SNL0093615	LWDS-52-BH16	0	24-MAR-94	8270	10	U	10	EB
Naphthalene	SNL0093647	LWDS-05-BH14	0	23-MAR-94	8270	10	U	10	EB
Naphthalene	SNL0093706	LWDS-52-BH15	0	23-MAR-94	8270	10	U	10	EB
Naphthalene	SNL0094017	LWDS-MW2	0	11-MAR-94	8270	0.01	U	0.01	EB
Naphthalene	SNL0094282	LWDS-MW1	0	06-JUN-94	8270	0.01	U	0.01	EB
Naphthalene	SNL0094303	LWDS-MW1	0	31-AUG-94	8270	0.01	U	0.01	EB
Naphthalene	SNL0094414	LWDS-MW2	0	07-DEC-94	8270	0.01	U	0.01	EB
Naphthalene	SNL0094620	LWDS MW-2	0	01-MAR-95	8270	0.01	U	0.01	EB
Naphthalene	SNL0094749	LWDS-MW2	0	12-JUN-95	8270	0.01	U	0.01	EB
Naphthalene	SNL0099100	LWDS-MW2	0	24-JUN-93	8270	0.01	U	0.01	EB
Neptunium-237	SNL0094220	LWDS-04-BH09-EB	0	18-MAR-94	GAMMA	0.134	U	0.134	EB
Neptunium-237	SNL0094223	LWDS-04-BH10-EB	0	19-MAR-94	GAMMA	0.12864	U	0.12864	EB
Neptunium-237	SNL0094226	LWDS-05-BH11-EB	0	20-MAR-94	GAMMA	0.115	U	0.115	EB
Neptunium-237	SNL0094227	LWDS-MW1	0	06-JUN-94	GAMMA	0.0774	U	0.0774	EB
Neptunium-237	SNL0094243	LWDS-MW2	0	07-DEC-94	GAMMA	0.0573	U	0.0573	EB
Neptunium-237	SNL0094247	LWDS-MW1	0	08-DEC-94	GAMMA	0.0616	U	0.0616	FB
Nickel	SNL0091302	LWDS-04-BH01	0	09-AUG-92	6010	0.04	U	0.04	EB
Nickel	SNL0091519	LWDS-04-BH01	0	08-AUG-92	6010	0.04	U	0.04	EB
Nickel	SNL0091528	LWDS-04-BH02	0	10-AUG-92	6010	0.04	U	0.04	EB
Nickel	SNL0091576	LWDS-04-BH02	0	11-AUG-92	6010	0.04	U	0.04	EB
Nickel	SNL0091684	LWDS-04-BH03	0	12-AUG-92	6010	0.04	U	0.04	EB
Nickel	SNL0091735	LWDS-04-BH03	0	13-AUG-92	6010	0.04	U	0.04	EB
Nickel	SNL0091791	LWDS-04-BH04	0	18-AUG-92	6010	0.04	U	0.04	EB
Nickel	SNL0091927	LWDS-04-BH04	0	19-AUG-92	6010	0.04	U	0.04	EB
Nickel	SNL0092178	LWDS-04-BH05	0	20-AUG-92	6010	0.04	U	0.04	EB
Nickel	SNL0092210	LWDS-MW1	0	24-AUG-92	6010	0.04	U	0.04	EB
Nickel	SNL0092218	LWDS-MW1	0	22-AUG-92	6010	0.04	U	0.04	EB

Table A-13. Trip blank and equipment blank results for ER Sites 4, 5, and 52.

Analyte	Sample Number	Sample Location	Sample Depth (Ft)	Sample Date	Analytical Method	Amount Detected (mg/L)	Qualifier	Method Detection Limit	Sample Type
Nickel	SNL0092325	LWDS-MW1	0	23-AUG-92	6010	0.04	U	0.04	EB
Nickel	SNL0092351	LWDS-MW1	0	25-AUG-92	6010	0.04	U	0.04	EB
Nickel	SNL0092374	LWDS-52-BH06	0	05-SEP-92	6010	0.04	U	0.04	EB
Nickel	SNL0092418	LWDS-52-BH08	0	05-SEP-92	6010	0.04	U	0.04	EB
Nickel	SNL0092507	LWDS-52-BH07	0	07-SEP-92	6010	0.04	U	0.04	EB
Nickel	SNL0092532	LWDS-MW2	0	07-SEP-92	6010	0.04	U	0.04	EB
Nickel	SNL0092685	LWDS-52-BH07	0	06-SEP-92	6010	0.04	U	0.04	EB
Nickel	SNL0092795	LWDS-MW2	0	23-SEP-92	6010	0.044		0.04	EB
Nickel	SNL0092875	LWDS-MW2	0	08-OCT-92	6010	0.04	U	0.04	EB
Nickel	SNL0093107	LWDS-MW1	0	28-APR-93	6010	0.0089	J	0.04	EB
Nickel	SNL0093238	LWDS-04-BH09	0	18-MAR-94	6010	0.04	U	0.04	EB
Nickel	SNL0093276	LWDS-04-BH10	0	19-MAR-94	6010	0.04	U	0.04	EB
Nickel	SNL0093369	LWDS-05-BH13	0	22-MAR-94	6010	0.04	U	0.04	EB
Nickel	SNL0093459	LWDS-05-BH12	0	21-MAR-94	6010	0.04	U	0.04	EB
Nickel	SNL0093576	LWDS-05-BH11	0	20-MAR-94	6010	0.04	U	0.04	EB
Nickel	SNL0093616	LWDS-52-BH16	0	24-MAR-94	6010	0.04	U	0.04	EB
Nickel	SNL0093648	LWDS-05-BH14	0	23-MAR-94	6010	0.04	U	0.04	EB
Nickel	SNL0093707	LWDS-52-BH15	0	23-MAR-94	6010	0.04	U	0.04	EB
Nickel	SNL0094026	LWDS-MW2	0	09-MAR-94	6010	0.02	U	0.02	EB
Nickel	SNL0094283	LWDS-MW1	0	06-JUN-94	6010	0.02	U	0.02	EB
Nickel	SNL0094304	LWDS-MW1	0	31-AUG-94	6010	0.04	U	0.04	EB
Nickel	SNL0094415	LWDS-MW2	0	07-DEC-94	6010	0.04	U	0.04	EB
Nickel	SNL0094621	LWDS MW-2	0	01-MAR-95	6010	0.04	U	0.04	EB
Nickel	SNL0094750	LWDS-MW2	0	12-JUN-95	6010	0.04	U	0.04	EB
Nickel	SNL0099067	LWDS-MW2	0	24-JUN-93	6010	0.02	U	0.02	EB
Niobium-95	SNL0094220	LWDS-04-BH09-EB	0	18-MAR-94	GAMMA	0.0428	U	0.0428	EB
Niobium-95	SNL0094223	LWDS-04-BH10-EB	0	19-MAR-94	GAMMA	0.08151	U	0.08151	EB
Niobium-95	SNL0094226	LWDS-05-BH11-EB	0	20-MAR-94	GAMMA	0.0474	U	0.0474	EB
Niobium-95	SNL0094227	LWDS-MW1	0	06-JUN-94	GAMMA	0.0448	U	0.0448	EB
Niobium-95	SNL0094243	LWDS-MW2	0	07-DEC-94	GAMMA	0.0423	U	0.0423	EB
Niobium-95	SNL0094247	LWDS-MW1	0	08-DEC-94	GAMMA	0.0991	U	0.0991	FB
Nitrate	SNL0099090	LWDS-MW2	0	24-JUN-93	353.2	0.05	U	0.05	EB
Nitrate/nitrite	SNL0094024	LWDS-MW2	0	11-MAR-94	353.2	0.05	U	0.05	EB
Nitrate/nitrite	SNL0094297	LWDS-MW1	0	06-JUN-94	353.2	0.05	U	0.05	EB
Nitrate/nitrite	SNL0094316	LWDS-MW1	0	31-AUG-94	353.2	0.05	U	0.05	EB
Nitrate/nitrite	SNL0094385	LWDS-MW1	0	08-DEC-94	353.2	9.8		1	EB
Nitrate/nitrite	SNL0094424	LWDS-MW2	0	07-DEC-94	353.2	0.05	U	0.05	EB
Nitrate/nitrite	SNL0094629	LWDS MW-2	0	01-MAR-95	353.2	0.05	U	0.05	EB
Nitrate/nitrite	SNL0094753	LWDS-MW2	0	12-JUN-95	353.2	0.05	U	0.05	EB
Nitrate/nitrite	SNL0099090	LWDS-MW2	0	24-JUN-93	353.2	0.05	U	0.05	EB
Nitrite	SNL0099090	LWDS-MW2	0	24-JUN-93	353.2	0.05	U	0.05	EB
Nitro-benzene	SNL0090028	LWDS-04-BH01	0	08-AUG-92	8270	10	U	10	EB
Nitro-benzene	SNL0090031	LWDS-04-BH01	0	09-AUG-92	8270	10	U	10	EB
Nitro-benzene	SNL0090054	LWDS-04-BH02	0	10-AUG-92	8270	10	U	10	EB
Nitro-benzene	SNL0090596	LWDS-04-BH02	0	11-AUG-92	8270	10	U	10	EB
Nitro-benzene	SNL0090623	LWDS-04-BH03	0	12-AUG-92	8270	10	U	10	EB
Nitro-benzene	SNL0091158	LWDS-04-BH03	0	13-AUG-92	8270	10	U	10	EB
Nitro-benzene	SNL0091172	LWDS-04-BH04	0	18-AUG-92	8270	10	U	10	EB
Nitro-benzene	SNL0091173	LWDS-04-BH04	0	18-AUG-92	8270	11	U	11	EB
Nitro-benzene	SNL0091192	LWDS-04-BH04	0	19-AUG-92	8270	10	U	10	EB
Nitro-benzene	SNL0091255	LWDS-04-BH05	0	20-AUG-92	8270	10	U	10	EB
Nitro-benzene	SNL0091273	LWDS-MW1	0	23-AUG-92	8270	10	U	10	EB
Nitro-benzene	SNL0091275	LWDS-MW1	0	22-AUG-92	8270	10	U	10	EB
Nitro-benzene	SNL0091292	LWDS-MW1	0	24-AUG-92	8270	10	U	10	EB
Nitro-benzene	SNL0091299	LWDS-MW1	0	25-AUG-92	8270	10	U	10	EB
Nitro-benzene	SNL0091934	LWDS-52-BH06	0	05-SEP-92	8270	10	U	10	EB
Nitro-benzene	SNL0091945	LWDS-52-BH08	0	05-SEP-92	8270	10	U	10	EB
Nitro-benzene	SNL0092792	LWDS-MW2	0	23-SEP-92	8270	10	U	10	EB
Nitro-benzene	SNL0092872	LWDS-MW2	0	08-OCT-92	8270	10	U	10	EB
Nitro-benzene	SNL0093106	LWDS-MW1	0	28-APR-93	8270	10	U	10	EB
Nitro-benzene	SNL0093237	LWDS-04-BH09	0	18-MAR-94	8270	10	U	10	EB
Nitro-benzene	SNL0093275	LWDS-04-BH10	0	19-MAR-94	8270	10	U	10	EB
Nitro-benzene	SNL0093368	LWDS-05-BH13	0	22-MAR-94	8270	10	U	10	EB
Nitro-benzene	SNL0093458	LWDS-05-BH12	0	21-MAR-94	8270	10	U	10	EB
Nitro-benzene	SNL0093575	LWDS-05-BH11	0	20-MAR-94	8270	10	U	10	EB
Nitro-benzene	SNL0093615	LWDS-52-BH16	0	24-MAR-94	8270	10	U	10	EB
Nitro-benzene	SNL0093647	LWDS-05-BH14	0	23-MAR-94	8270	10	U	10	EB
Nitro-benzene	SNL0093706	LWDS-52-BH15	0	23-MAR-94	8270	10	U	10	EB

Table A-13. Trip blank and equipment blank results for ER Sites 4, 5, and 52.

Analyte	Sample Number	Sample Location	Sample Depth (Ft)	Sample Date	Analytical Method	Amount Detected (mg/L)	Qualifier	Method Detection Limit	Sample Type
Nitro-benzene	SNL0094017	LWDS-MW2	0	11-MAR-94	8270	0.01	U	0.01	EB
Nitro-benzene	SNL0094282	LWDS-MW1	0	06-JUN-94	8270	0.01	U	0.01	EB
Nitro-benzene	SNL0094303	LWDS-MW1	0	31-AUG-94	8270	0.01	U	0.01	EB
Nitro-benzene	SNL0094414	LWDS-MW2	0	07-DEC-94	8270	0.01	U	0.01	EB
Nitro-benzene	SNL0094620	LWDS MW-2	0	01-MAR-95	8270	0.01	U	0.01	EB
Nitro-benzene	SNL0094749	LWDS-MW2	0	12-JUN-95	8270	0.01	U	0.01	EB
Nitro-benzene	SNL0099100	LWDS-MW2	0	24-JUN-93	8270	0.01	U	0.01	EB
Nitroaniline, 2-	SNL0090028	LWDS-04-BH01	0	08-AUG-92	8270	50	U	50	EB
Nitroaniline, 2-	SNL0090031	LWDS-04-BH01	0	09-AUG-92	8270	50	U	50	EB
Nitroaniline, 2-	SNL0090054	LWDS-04-BH02	0	10-AUG-92	8270	50	U	50	EB
Nitroaniline, 2-	SNL0090596	LWDS-04-BH02	0	11-AUG-92	8270	52	U	52	EB
Nitroaniline, 2-	SNL0090623	LWDS-04-BH03	0	12-AUG-92	8270	50	U	50	EB
Nitroaniline, 2-	SNL0091158	LWDS-04-BH03	0	13-AUG-92	8270	50	U	50	EB
Nitroaniline, 2-	SNL0091172	LWDS-04-BH04	0	18-AUG-92	8270	50	U	50	EB
Nitroaniline, 2-	SNL0091173	LWDS-04-BH04	0	18-AUG-92	8270	53	U	53	EB
Nitroaniline, 2-	SNL0091192	LWDS-04-BH04	0	19-AUG-92	8270	52	U	52	EB
Nitroaniline, 2-	SNL0091255	LWDS-04-BH05	0	20-AUG-92	8270	52	U	52	EB
Nitroaniline, 2-	SNL0091273	LWDS-MW1	0	23-AUG-92	8270	50	U	50	EB
Nitroaniline, 2-	SNL0091275	LWDS-MW1	0	22-AUG-92	8270	50	U	50	EB
Nitroaniline, 2-	SNL0091292	LWDS-MW1	0	24-AUG-92	8270	50	U	50	EB
Nitroaniline, 2-	SNL0091299	LWDS-MW1	0	25-AUG-92	8270	50	U	50	EB
Nitroaniline, 2-	SNL0091934	LWDS-52-BH06	0	05-SEP-92	8270	50	U	50	EB
Nitroaniline, 2-	SNL0091945	LWDS-52-BH08	0	05-SEP-92	8270	50	U	50	EB
Nitroaniline, 2-	SNL0092792	LWDS-MW2	0	23-SEP-92	8270	50	U	50	EB
Nitroaniline, 2-	SNL0092872	LWDS-MW2	0	08-OCT-92	8270	50	U	50	EB
Nitroaniline, 2-	SNL0093106	LWDS-MW1	0	28-APR-93	8270	50	U	50	EB
Nitroaniline, 2-	SNL0093237	LWDS-04-BH09	0	18-MAR-94	8270	50	U	50	EB
Nitroaniline, 2-	SNL0093275	LWDS-04-BH10	0	19-MAR-94	8270	50	U	50	EB
Nitroaniline, 2-	SNL0093368	LWDS-05-BH13	0	22-MAR-94	8270	50	U	50	EB
Nitroaniline, 2-	SNL0093458	LWDS-05-BH12	0	21-MAR-94	8270	50	U	50	EB
Nitroaniline, 2-	SNL0093575	LWDS-05-BH11	0	20-MAR-94	8270	50	U	50	EB
Nitroaniline, 2-	SNL0093615	LWDS-52-BH16	0	24-MAR-94	8270	50	U	50	EB
Nitroaniline, 2-	SNL0093647	LWDS-05-BH14	0	23-MAR-94	8270	50	U	50	EB
Nitroaniline, 2-	SNL0093706	LWDS-52-BH15	0	23-MAR-94	8270	50	U	50	EB
Nitroaniline, 2-	SNL0094282	LWDS-MW1	0	06-JUN-94	8270	0.05	U	0.05	EB
Nitroaniline, 2-	SNL0094303	LWDS-MW1	0	31-AUG-94	8270	0.05	U	0.05	EB
Nitroaniline, 2-	SNL0094414	LWDS-MW2	0	07-DEC-94	8270	0.05	U	0.05	EB
Nitroaniline, 2-	SNL0094620	LWDS MW-2	0	01-MAR-95	8270	0.05	U	0.05	EB
Nitroaniline, 2-	SNL0094749	LWDS-MW2	0	12-JUN-95	8270	0.05	U	0.05	EB
Nitroaniline, 2-	SNL0099100	LWDS-MW2	0	24-JUN-93	8270	0.05	U	0.05	EB
Nitroaniline, 3-	SNL0090028	LWDS-04-BH01	0	08-AUG-92	8270	50	U	50	EB
Nitroaniline, 3-	SNL0090031	LWDS-04-BH01	0	09-AUG-92	8270	50	U	50	EB
Nitroaniline, 3-	SNL0090054	LWDS-04-BH02	0	10-AUG-92	8270	50	U	50	EB
Nitroaniline, 3-	SNL0090596	LWDS-04-BH02	0	11-AUG-92	8270	52	U	52	EB
Nitroaniline, 3-	SNL0090623	LWDS-04-BH03	0	12-AUG-92	8270	50	U	50	EB
Nitroaniline, 3-	SNL0091158	LWDS-04-BH03	0	13-AUG-92	8270	50	U	50	EB
Nitroaniline, 3-	SNL0091172	LWDS-04-BH04	0	18-AUG-92	8270	50	U	50	EB
Nitroaniline, 3-	SNL0091173	LWDS-04-BH04	0	18-AUG-92	8270	53	U	53	EB
Nitroaniline, 3-	SNL0091192	LWDS-04-BH04	0	19-AUG-92	8270	52	U	52	EB
Nitroaniline, 3-	SNL0091255	LWDS-04-BH05	0	20-AUG-92	8270	52	U	52	EB
Nitroaniline, 3-	SNL0091273	LWDS-MW1	0	23-AUG-92	8270	50	U	50	EB
Nitroaniline, 3-	SNL0091275	LWDS-MW1	0	22-AUG-92	8270	50	U	50	EB
Nitroaniline, 3-	SNL0091292	LWDS-MW1	0	24-AUG-92	8270	50	U	50	EB
Nitroaniline, 3-	SNL0091299	LWDS-MW1	0	25-AUG-92	8270	50	U	50	EB
Nitroaniline, 3-	SNL0091934	LWDS-52-BH06	0	05-SEP-92	8270	50	U	50	EB
Nitroaniline, 3-	SNL0091945	LWDS-52-BH08	0	05-SEP-92	8270	50	U	50	EB
Nitroaniline, 3-	SNL0092792	LWDS-MW2	0	23-SEP-92	8270	50	U	50	EB
Nitroaniline, 3-	SNL0092872	LWDS-MW2	0	08-OCT-92	8270	50	U	50	EB
Nitroaniline, 3-	SNL0093106	LWDS-MW1	0	28-APR-93	8270	50	U	50	EB
Nitroaniline, 3-	SNL0093237	LWDS-04-BH09	0	18-MAR-94	8270	50	U	50	EB
Nitroaniline, 3-	SNL0093275	LWDS-04-BH10	0	19-MAR-94	8270	50	U	50	EB
Nitroaniline, 3-	SNL0093368	LWDS-05-BH13	0	22-MAR-94	8270	50	U	50	EB
Nitroaniline, 3-	SNL0093458	LWDS-05-BH12	0	21-MAR-94	8270	50	U	50	EB
Nitroaniline, 3-	SNL0093575	LWDS-05-BH11	0	20-MAR-94	8270	50	U	50	EB
Nitroaniline, 3-	SNL0093615	LWDS-52-BH16	0	24-MAR-94	8270	50	U	50	EB
Nitroaniline, 3-	SNL0093647	LWDS-05-BH14	0	23-MAR-94	8270	50	U	50	EB
Nitroaniline, 3-	SNL0093706	LWDS-52-BH15	0	23-MAR-94	8270	50	U	50	EB
Nitroaniline, 3-	SNL0094282	LWDS-MW1	0	06-JUN-94	8270	0.05	U	0.05	EB

Table A-13. Trip blank and equipment blank results for ER Sites 4, 5, and 52.

Analyte	Sample Number	Sample Location	Sample Depth (Ft)	Sample Date	Analytical Method	Amount Detected (mg/L)	Qualifier	Method Detection Limit	Sample Type
Nitroaniline, 3-	SNL0094303	LWDS-MW1	0	31-AUG-94	8270	0.05	U	0.05	EB
Nitroaniline, 3-	SNL0094414	LWDS-MW2	0	07-DEC-94	8270	0.05	U	0.05	EB
Nitroaniline, 3-	SNL0094620	LWDS MW-2	0	01-MAR-95	8270	0.05	U	0.05	EB
Nitroaniline, 3-	SNL0094749	LWDS-MW2	0	12-JUN-95	8270	0.05	U	0.05	EB
Nitroaniline, 3-	SNL0099100	LWDS-MW2	0	24-JUN-93	8270	0.05	U	0.05	EB
Nitroaniline, 4-	SNL0090028	LWDS-04-BH01	0	08-AUG-92	8270	50	U	50	EB
Nitroaniline, 4-	SNL0090031	LWDS-04-BH01	0	09-AUG-92	8270	50	U	50	EB
Nitroaniline, 4-	SNL0090054	LWDS-04-BH02	0	10-AUG-92	8270	50	U	50	EB
Nitroaniline, 4-	SNL0090596	LWDS-04-BH02	0	11-AUG-92	8270	52	U	52	EB
Nitroaniline, 4-	SNL0090623	LWDS-04-BH03	0	12-AUG-92	8270	50	U	50	EB
Nitroaniline, 4-	SNL0091158	LWDS-04-BH03	0	13-AUG-92	8270	50	U	50	EB
Nitroaniline, 4-	SNL0091172	LWDS-04-BH04	0	18-AUG-92	8270	50	U	50	EB
Nitroaniline, 4-	SNL0091173	LWDS-04-BH04	0	18-AUG-92	8270	53	U	53	EB
Nitroaniline, 4-	SNL0091192	LWDS-04-BH04	0	19-AUG-92	8270	52	U	52	EB
Nitroaniline, 4-	SNL0091255	LWDS-04-BH05	0	20-AUG-92	8270	52	U	52	EB
Nitroaniline, 4-	SNL0091273	LWDS-MW1	0	23-AUG-92	8270	50	U	50	EB
Nitroaniline, 4-	SNL0091275	LWDS-MW1	0	22-AUG-92	8270	50	U	50	EB
Nitroaniline, 4-	SNL0091292	LWDS-MW1	0	24-AUG-92	8270	50	U	50	EB
Nitroaniline, 4-	SNL0091299	LWDS-MW1	0	25-AUG-92	8270	50	U	50	EB
Nitroaniline, 4-	SNL0091934	LWDS-52-BH06	0	05-SEP-92	8270	50	U	50	EB
Nitroaniline, 4-	SNL0091945	LWDS-52-BH08	0	05-SEP-92	8270	50	U	50	EB
Nitroaniline, 4-	SNL0092792	LWDS-MW2	0	23-SEP-92	8270	50	U	50	EB
Nitroaniline, 4-	SNL0092872	LWDS-MW2	0	08-OCT-92	8270	50	U	50	EB
Nitroaniline, 4-	SNL0093106	LWDS-MW1	0	28-APR-93	8270	50	U	50	EB
Nitroaniline, 4-	SNL0093237	LWDS-04-BH09	0	18-MAR-94	8270	50	U	50	EB
Nitroaniline, 4-	SNL0093275	LWDS-04-BH10	0	19-MAR-94	8270	50	U	50	EB
Nitroaniline, 4-	SNL0093368	LWDS-05-BH13	0	22-MAR-94	8270	50	U	50	EB
Nitroaniline, 4-	SNL0093458	LWDS-05-BH12	0	21-MAR-94	8270	50	U	50	EB
Nitroaniline, 4-	SNL0093575	LWDS-05-BH11	0	20-MAR-94	8270	50	U	50	EB
Nitroaniline, 4-	SNL0093615	LWDS-52-BH16	0	24-MAR-94	8270	50	U	50	EB
Nitroaniline, 4-	SNL0093647	LWDS-05-BH14	0	23-MAR-94	8270	50	U	50	EB
Nitroaniline, 4-	SNL0093706	LWDS-52-BH15	0	23-MAR-94	8270	50	U	50	EB
Nitroaniline, 4-	SNL0094282	LWDS-MW1	0	06-JUN-94	8270	0.05	U	0.05	EB
Nitroaniline, 4-	SNL0094303	LWDS-MW1	0	31-AUG-94	8270	0.05	U	0.05	EB
Nitroaniline, 4-	SNL0094414	LWDS-MW2	0	07-DEC-94	8270	0.05	U	0.05	EB
Nitroaniline, 4-	SNL0094620	LWDS MW-2	0	01-MAR-95	8270	0.05	U	0.05	EB
Nitroaniline, 4-	SNL0094749	LWDS-MW2	0	12-JUN-95	8270	0.05	U	0.05	EB
Nitroaniline, 4-	SNL0099100	LWDS-MW2	0	24-JUN-93	8270	0.05	U	0.05	EB
Nitrophenol, 2-	SNL0090028	LWDS-04-BH01	0	08-AUG-92	8270	10	U	10	EB
Nitrophenol, 2-	SNL0090031	LWDS-04-BH01	0	09-AUG-92	8270	10	U	10	EB
Nitrophenol, 2-	SNL0090054	LWDS-04-BH02	0	10-AUG-92	8270	10	U	10	EB
Nitrophenol, 2-	SNL0090596	LWDS-04-BH02	0	11-AUG-92	8270	10	U	10	EB
Nitrophenol, 2-	SNL0090623	LWDS-04-BH03	0	12-AUG-92	8270	10	U	10	EB
Nitrophenol, 2-	SNL0091158	LWDS-04-BH03	0	13-AUG-92	8270	10	U	10	EB
Nitrophenol, 2-	SNL0091172	LWDS-04-BH04	0	18-AUG-92	8270	10	U	10	EB
Nitrophenol, 2-	SNL0091173	LWDS-04-BH04	0	18-AUG-92	8270	11	U	11	EB
Nitrophenol, 2-	SNL0091192	LWDS-04-BH04	0	19-AUG-92	8270	10	U	10	EB
Nitrophenol, 2-	SNL0091255	LWDS-04-BH05	0	20-AUG-92	8270	10	U	10	EB
Nitrophenol, 2-	SNL0091273	LWDS-MW1	0	23-AUG-92	8270	10	U	10	EB
Nitrophenol, 2-	SNL0091275	LWDS-MW1	0	22-AUG-92	8270	10	U	10	EB
Nitrophenol, 2-	SNL0091292	LWDS-MW1	0	24-AUG-92	8270	10	U	10	EB
Nitrophenol, 2-	SNL0091299	LWDS-MW1	0	25-AUG-92	8270	10	U	10	EB
Nitrophenol, 2-	SNL0091934	LWDS-52-BH06	0	05-SEP-92	8270	10	U	10	EB
Nitrophenol, 2-	SNL0091945	LWDS-52-BH08	0	05-SEP-92	8270	10	U	10	EB
Nitrophenol, 2-	SNL0092792	LWDS-MW2	0	23-SEP-92	8270	10	U	10	EB
Nitrophenol, 2-	SNL0092872	LWDS-MW2	0	08-OCT-92	8270	10	U	10	EB
Nitrophenol, 2-	SNL0093106	LWDS-MW1	0	28-APR-93	8270	10	U	10	EB
Nitrophenol, 2-	SNL0093237	LWDS-04-BH09	0	18-MAR-94	8270	10	U	10	EB
Nitrophenol, 2-	SNL0093275	LWDS-04-BH10	0	19-MAR-94	8270	10	U	10	EB
Nitrophenol, 2-	SNL0093368	LWDS-05-BH13	0	22-MAR-94	8270	10	U	10	EB
Nitrophenol, 2-	SNL0093458	LWDS-05-BH12	0	21-MAR-94	8270	10	U	10	EB
Nitrophenol, 2-	SNL0093575	LWDS-05-BH11	0	20-MAR-94	8270	10	U	10	EB
Nitrophenol, 2-	SNL0093615	LWDS-52-BH16	0	24-MAR-94	8270	10	U	10	EB
Nitrophenol, 2-	SNL0093647	LWDS-05-BH14	0	23-MAR-94	8270	10	U	10	EB
Nitrophenol, 2-	SNL0093706	LWDS-52-BH15	0	23-MAR-94	8270	10	U	10	EB
Nitrophenol, 2-	SNL0094017	LWDS-MW2	0	11-MAR-94	8270	0.01	U	0.01	EB
Nitrophenol, 2-	SNL0094282	LWDS-MW1	0	06-JUN-94	8270	0.01	U	0.01	EB
Nitrophenol, 2-	SNL0094303	LWDS-MW1	0	31-AUG-94	8270	0.01	U	0.01	EB

Table A-13. Trip blank and equipment blank results for ER Sites 4, 5, and 52.

Analyte	Sample Number	Sample Location	Sample Depth (Ft)	Sample Date	Analytical Method	Amount Detected (mg/L)	Qualifier	Method Detection Limit	Sample Type
Nitrophenol, 2-	SNL0094414	LWDS-MW2	0	07-DEC-94	8270	0.01	U	0.01	EB
Nitrophenol, 2-	SNL0094620	LWDS MW-2	0	01-MAR-95	8270	0.01	U	0.01	EB
Nitrophenol, 2-	SNL0094749	LWDS-MW2	0	12-JUN-95	8270	0.01	U	0.01	EB
Nitrophenol, 2-	SNL0099100	LWDS-MW2	0	24-JUN-93	8270	0.01	U	0.01	EB
Nitrophenol, 4-	SNL0090028	LWDS-04-BH01	0	08-AUG-92	8270	50	U	50	EB
Nitrophenol, 4-	SNL0090031	LWDS-04-BH01	0	09-AUG-92	8270	50	U	50	EB
Nitrophenol, 4-	SNL0090054	LWDS-04-BH02	0	10-AUG-92	8270	50	U	50	EB
Nitrophenol, 4-	SNL0090596	LWDS-04-BH02	0	11-AUG-92	8270	52	U	52	EB
Nitrophenol, 4-	SNL0090623	LWDS-04-BH03	0	12-AUG-92	8270	50	U	50	EB
Nitrophenol, 4-	SNL0091158	LWDS-04-BH03	0	13-AUG-92	8270	50	U	50	EB
Nitrophenol, 4-	SNL0091172	LWDS-04-BH04	0	18-AUG-92	8270	50	U	50	EB
Nitrophenol, 4-	SNL0091173	LWDS-04-BH04	0	18-AUG-92	8270	53	U	53	EB
Nitrophenol, 4-	SNL0091192	LWDS-04-BH04	0	19-AUG-92	8270	52	U	52	EB
Nitrophenol, 4-	SNL0091255	LWDS-04-BH05	0	20-AUG-92	8270	52	U	52	EB
Nitrophenol, 4-	SNL0091273	LWDS-MW1	0	23-AUG-92	8270	50	U	50	EB
Nitrophenol, 4-	SNL0091275	LWDS-MW1	0	22-AUG-92	8270	50	U	50	EB
Nitrophenol, 4-	SNL0091292	LWDS-MW1	0	24-AUG-92	8270	50	U	50	EB
Nitrophenol, 4-	SNL0091299	LWDS-MW1	0	25-AUG-92	8270	50	U	50	EB
Nitrophenol, 4-	SNL0091934	LWDS-52-BH06	0	05-SEP-92	8270	50	U	50	EB
Nitrophenol, 4-	SNL0091945	LWDS-52-BH08	0	05-SEP-92	8270	50	U	50	EB
Nitrophenol, 4-	SNL0092792	LWDS-MW2	0	23-SEP-92	8270	50	U	50	EB
Nitrophenol, 4-	SNL0092872	LWDS-MW2	0	08-OCT-92	8270	50	U	50	EB
Nitrophenol, 4-	SNL0093106	LWDS-MW1	0	28-APR-93	8270	50	U	50	EB
Nitrophenol, 4-	SNL0093237	LWDS-04-BH09	0	18-MAR-94	8270	50	U	50	EB
Nitrophenol, 4-	SNL0093275	LWDS-04-BH10	0	19-MAR-94	8270	50	U	50	EB
Nitrophenol, 4-	SNL0093368	LWDS-05-BH13	0	22-MAR-94	8270	50	U	50	EB
Nitrophenol, 4-	SNL0093458	LWDS-05-BH12	0	21-MAR-94	8270	50	U	50	EB
Nitrophenol, 4-	SNL0093575	LWDS-05-BH11	0	20-MAR-94	8270	50	U	50	EB
Nitrophenol, 4-	SNL0093615	LWDS-52-BH16	0	24-MAR-94	8270	50	U	50	EB
Nitrophenol, 4-	SNL0093647	LWDS-05-BH14	0	23-MAR-94	8270	50	U	50	EB
Nitrophenol, 4-	SNL0093706	LWDS-52-BH15	0	23-MAR-94	8270	50	U	50	EB
Nitrophenol, 4-	SNL0094017	LWDS-MW2	0	11-MAR-94	8270	0.05	U	0.05	EB
Nitrophenol, 4-	SNL0094282	LWDS-MW1	0	06-JUN-94	8270	0.05	U	0.05	EB
Nitrophenol, 4-	SNL0094303	LWDS-MW1	0	31-AUG-94	8270	0.05	U	0.05	EB
Nitrophenol, 4-	SNL0094414	LWDS-MW2	0	07-DEC-94	8270	0.05	U	0.05	EB
Nitrophenol, 4-	SNL0094620	LWDS MW-2	0	01-MAR-95	8270	0.05	U	0.05	EB
Nitrophenol, 4-	SNL0094749	LWDS-MW2	0	12-JUN-95	8270	0.05	U	0.05	EB
Nitrophenol, 4-	SNL0099100	LWDS-MW2	0	24-JUN-93	8270	0.05	U	0.05	EB
Nitrosodimethylamine, n-	SNL0094017	LWDS-MW2	0	11-MAR-94	8270	0.01	U	0.01	EB
Nitrosodiphenylamine, n-	SNL0090028	LWDS-04-BH01	0	08-AUG-92	8270	10	U	10	EB
Nitrosodiphenylamine, n-	SNL0090031	LWDS-04-BH01	0	09-AUG-92	8270	10	U	10	EB
Nitrosodiphenylamine, n-	SNL0090054	LWDS-04-BH02	0	10-AUG-92	8270	10	U	10	EB
Nitrosodiphenylamine, n-	SNL0090596	LWDS-04-BH02	0	11-AUG-92	8270	10	U	10	EB
Nitrosodiphenylamine, n-	SNL0090623	LWDS-04-BH03	0	12-AUG-92	8270	10	U	10	EB
Nitrosodiphenylamine, n-	SNL0091158	LWDS-04-BH03	0	13-AUG-92	8270	10	U	10	EB
Nitrosodiphenylamine, n-	SNL0091172	LWDS-04-BH04	0	18-AUG-92	8270	10	U	10	EB
Nitrosodiphenylamine, n-	SNL0091173	LWDS-04-BH04	0	18-AUG-92	8270	11	U	11	EB
Nitrosodiphenylamine, n-	SNL0091192	LWDS-04-BH04	0	19-AUG-92	8270	10	U	10	EB
Nitrosodiphenylamine, n-	SNL0091255	LWDS-04-BH05	0	20-AUG-92	8270	10	U	10	EB
Nitrosodiphenylamine, n-	SNL0091273	LWDS-MW1	0	23-AUG-92	8270	10	U	10	EB
Nitrosodiphenylamine, n-	SNL0091275	LWDS-MW1	0	22-AUG-92	8270	10	U	10	EB
Nitrosodiphenylamine, n-	SNL0091292	LWDS-MW1	0	24-AUG-92	8270	10	U	10	EB
Nitrosodiphenylamine, n-	SNL0091299	LWDS-MW1	0	25-AUG-92	8270	10	U	10	EB
Nitrosodiphenylamine, n-	SNL0091934	LWDS-52-BH06	0	05-SEP-92	8270	10	U	10	EB
Nitrosodiphenylamine, n-	SNL0091945	LWDS-52-BH08	0	05-SEP-92	8270	10	U	10	EB
Nitrosodiphenylamine, n-	SNL0092792	LWDS-MW2	0	23-SEP-92	8270	10	U	10	EB
Nitrosodiphenylamine, n-	SNL0092872	LWDS-MW2	0	08-OCT-92	8270	10	U	10	EB
Nitrosodiphenylamine, n-	SNL0093106	LWDS-MW1	0	28-APR-93	8270	10	U	10	EB
Nitrosodiphenylamine, n-	SNL0093237	LWDS-04-BH09	0	18-MAR-94	8270	10	U	10	EB
Nitrosodiphenylamine, n-	SNL0093275	LWDS-04-BH10	0	19-MAR-94	8270	10	U	10	EB
Nitrosodiphenylamine, n-	SNL0093368	LWDS-05-BH13	0	22-MAR-94	8270	10	U	10	EB
Nitrosodiphenylamine, n-	SNL0093458	LWDS-05-BH12	0	21-MAR-94	8270	10	U	10	EB
Nitrosodiphenylamine, n-	SNL0093575	LWDS-05-BH11	0	20-MAR-94	8270	10	U	10	EB
Nitrosodiphenylamine, n-	SNL0093615	LWDS-52-BH16	0	24-MAR-94	8270	10	U	10	EB
Nitrosodiphenylamine, n-	SNL0093647	LWDS-05-BH14	0	23-MAR-94	8270	10	U	10	EB
Nitrosodiphenylamine, n-	SNL0093706	LWDS-52-BH15	0	23-MAR-94	8270	10	U	10	EB
Nitrosodiphenylamine, n-	SNL0094017	LWDS-MW2	0	11-MAR-94	8270	0.01	U	0.01	EB
Nitrosodiphenylamine, n-	SNL0094282	LWDS-MW1	0	06-JUN-94	8270	0.01	U	0.01	EB

Table A-13. Trip blank and equipment blank results for ER Sites 4, 5, and 52.

Analyte	Sample Number	Sample Location	Sample Depth (Ft)	Sample Date	Analytical Method	Amount Detected (mg/L)	Qualifier	Method Detection Limit	Sample Type
Nitrosodiphenylamine, n-	SNL0094303	LWDS-MW1	0	31-AUG-94	8270	0.01	U	0.01	EB
Nitrosodiphenylamine, n-	SNL0094414	LWDS-MW2	0	07-DEC-94	8270	0.01	U	0.01	EB
Nitrosodiphenylamine, n-	SNL0094620	LWDS MW-2	0	01-MAR-95	8270	0.01	U	0.01	EB
Nitrosodiphenylamine, n-	SNL0094749	LWDS-MW2	0	12-JUN-95	8270	0.01	U	0.01	EB
Nitrosodiphenylamine, n-	SNL0099100	LWDS-MW2	0	24-JUN-93	8270	0.01	U	0.01	EB
Nitrosodipropylamine, n-	SNL0090028	LWDS-04-BH01	0	08-AUG-92	8270	10	U	10	EB
Nitrosodipropylamine, n-	SNL0090031	LWDS-04-BH01	0	09-AUG-92	8270	10	U	10	EB
Nitrosodipropylamine, n-	SNL0090054	LWDS-04-BH02	0	10-AUG-92	8270	10	U	10	EB
Nitrosodipropylamine, n-	SNL0090596	LWDS-04-BH02	0	11-AUG-92	8270	10	U	10	EB
Nitrosodipropylamine, n-	SNL0090623	LWDS-04-BH03	0	12-AUG-92	8270	10	U	10	EB
Nitrosodipropylamine, n-	SNL0091158	LWDS-04-BH03	0	13-AUG-92	8270	10	U	10	EB
Nitrosodipropylamine, n-	SNL0091172	LWDS-04-BH04	0	18-AUG-92	8270	10	U	10	EB
Nitrosodipropylamine, n-	SNL0091173	LWDS-04-BH04	0	18-AUG-92	8270	11	U	11	EB
Nitrosodipropylamine, n-	SNL0091192	LWDS-04-BH04	0	19-AUG-92	8270	10	U	10	EB
Nitrosodipropylamine, n-	SNL0091255	LWDS-04-BH05	0	20-AUG-92	8270	10	U	10	EB
Nitrosodipropylamine, n-	SNL0091273	LWDS-MW1	0	23-AUG-92	8270	10	U	10	EB
Nitrosodipropylamine, n-	SNL0091275	LWDS-MW1	0	22-AUG-92	8270	10	U	10	EB
Nitrosodipropylamine, n-	SNL0091292	LWDS-MW1	0	24-AUG-92	8270	10	U	10	EB
Nitrosodipropylamine, n-	SNL0091299	LWDS-MW1	0	25-AUG-92	8270	10	U	10	EB
Nitrosodipropylamine, n-	SNL0091934	LWDS-52-BH06	0	05-SEP-92	8270	10	U	10	EB
Nitrosodipropylamine, n-	SNL0091945	LWDS-52-BH08	0	05-SEP-92	8270	10	U	10	EB
Nitrosodipropylamine, n-	SNL0092792	LWDS-MW2	0	23-SEP-92	8270	10	U	10	EB
Nitrosodipropylamine, n-	SNL0092872	LWDS-MW2	0	08-OCT-92	8270	10	U	10	EB
Nitrosodipropylamine, n-	SNL0093106	LWDS-MW1	0	28-APR-93	8270	10	U	10	EB
Nitrosodipropylamine, n-	SNL0093237	LWDS-04-BH09	0	18-MAR-94	8270	10	U	10	EB
Nitrosodipropylamine, n-	SNL0093275	LWDS-04-BH10	0	19-MAR-94	8270	10	U	10	EB
Nitrosodipropylamine, n-	SNL0093368	LWDS-05-BH13	0	22-MAR-94	8270	10	U	10	EB
Nitrosodipropylamine, n-	SNL0093458	LWDS-05-BH12	0	21-MAR-94	8270	10	U	10	EB
Nitrosodipropylamine, n-	SNL0093575	LWDS-05-BH11	0	20-MAR-94	8270	10	U	10	EB
Nitrosodipropylamine, n-	SNL0093615	LWDS-52-BH16	0	24-MAR-94	8270	10	U	10	EB
Nitrosodipropylamine, n-	SNL0093647	LWDS-05-BH14	0	23-MAR-94	8270	10	U	10	EB
Nitrosodipropylamine, n-	SNL0093706	LWDS-52-BH15	0	23-MAR-94	8270	10	U	10	EB
Nitrosodipropylamine, n-	SNL0094017	LWDS-MW2	0	11-MAR-94	8270	0.01	U	0.01	EB
Nitrosodipropylamine, n-	SNL0094282	LWDS-MW1	0	06-JUN-94	8270	0.01	U	0.01	EB
Nitrosodipropylamine, n-	SNL0094303	LWDS-MW1	0	31-AUG-94	8270	0.01	U	0.01	EB
Nitrosodipropylamine, n-	SNL0094414	LWDS-MW2	0	07-DEC-94	8270	0.01	U	0.01	EB
Nitrosodipropylamine, n-	SNL0094620	LWDS MW-2	0	01-MAR-95	8270	0.01	U	0.01	EB
Nitrosodipropylamine, n-	SNL0094749	LWDS-MW2	0	12-JUN-95	8270	0.01	U	0.01	EB
Nitrosodipropylamine, n-	SNL0099100	LWDS-MW2	0	24-JUN-93	8270	0.01	U	0.01	EB
Pentachlorophenol	SNL0090028	LWDS-04-BH01	0	08-AUG-92	8270	50	U	50	EB
Pentachlorophenol	SNL0090031	LWDS-04-BH01	0	09-AUG-92	8270	50	U	50	EB
Pentachlorophenol	SNL0090054	LWDS-04-BH02	0	10-AUG-92	8270	50	U	50	EB
Pentachlorophenol	SNL0090596	LWDS-04-BH02	0	11-AUG-92	8270	52	U	52	EB
Pentachlorophenol	SNL0090623	LWDS-04-BH03	0	12-AUG-92	8270	50	U	50	EB
Pentachlorophenol	SNL0091158	LWDS-04-BH03	0	13-AUG-92	8270	50	U	50	EB
Pentachlorophenol	SNL0091172	LWDS-04-BH04	0	18-AUG-92	8270	50	U	50	EB
Pentachlorophenol	SNL0091173	LWDS-04-BH04	0	18-AUG-92	8270	53	U	53	EB
Pentachlorophenol	SNL0091192	LWDS-04-BH04	0	19-AUG-92	8270	52	U	52	EB
Pentachlorophenol	SNL0091255	LWDS-04-BH05	0	20-AUG-92	8270	52	U	52	EB
Pentachlorophenol	SNL0091273	LWDS-MW1	0	23-AUG-92	8270	50	U	50	EB
Pentachlorophenol	SNL0091275	LWDS-MW1	0	22-AUG-92	8270	50	U	50	EB
Pentachlorophenol	SNL0091292	LWDS-MW1	0	24-AUG-92	8270	50	U	50	EB
Pentachlorophenol	SNL0091299	LWDS-MW1	0	25-AUG-92	8270	50	U	50	EB
Pentachlorophenol	SNL0091934	LWDS-52-BH06	0	05-SEP-92	8270	50	U	50	EB
Pentachlorophenol	SNL0091945	LWDS-52-BH08	0	05-SEP-92	8270	50	U	50	EB
Pentachlorophenol	SNL0092792	LWDS-MW2	0	23-SEP-92	8270	50	U	50	EB
Pentachlorophenol	SNL0092872	LWDS-MW2	0	08-OCT-92	8270	50	U	50	EB
Pentachlorophenol	SNL0093106	LWDS-MW1	0	28-APR-93	8270	50	U	50	EB
Pentachlorophenol	SNL0093237	LWDS-04-BH09	0	18-MAR-94	8270	50	U	50	EB
Pentachlorophenol	SNL0093275	LWDS-04-BH10	0	19-MAR-94	8270	50	U	50	EB
Pentachlorophenol	SNL0093368	LWDS-05-BH13	0	22-MAR-94	8270	50	U	50	EB
Pentachlorophenol	SNL0093458	LWDS-05-BH12	0	21-MAR-94	8270	50	U	50	EB
Pentachlorophenol	SNL0093575	LWDS-05-BH11	0	20-MAR-94	8270	50	U	50	EB
Pentachlorophenol	SNL0093615	LWDS-52-BH16	0	24-MAR-94	8270	50	U	50	EB
Pentachlorophenol	SNL0093647	LWDS-05-BH14	0	23-MAR-94	8270	50	U	50	EB
Pentachlorophenol	SNL0093706	LWDS-52-BH15	0	23-MAR-94	8270	50	U	50	EB
Pentachlorophenol	SNL0094017	LWDS-MW2	0	11-MAR-94	8270	0.05	U	0.05	EB
Pentachlorophenol	SNL0094282	LWDS-MW1	0	06-JUN-94	8270	0.05	U	0.05	EB

Table A-13. Trip blank and equipment blank results for ER Sites 4, 5, and 52.

Analyte	Sample Number	Sample Location	Sample Depth (Ft)	Sample Date	Analytical Method	Amount Detected (mg/L)	Qualifier	Method Detection Limit	Sample Type
Pentachlorophenol	SNL0094303	LWDS-MW1	0	31-AUG-94	8270	0.05	U	0.05	EB
Pentachlorophenol	SNL0094414	LWDS-MW2	0	07-DEC-94	8270	0.05	U	0.05	EB
Pentachlorophenol	SNL0094620	LWDS MW-2	0	01-MAR-95	8270	0.05	U	0.05	EB
Pentachlorophenol	SNL0094749	LWDS-MW2	0	12-JUN-95	8270	0.05	U	0.05	EB
Pentachlorophenol	SNL0099100	LWDS-MW2	0	24-JUN-93	8270	0.05	U	0.05	EB
Pentanone, 4-methyl-, 2-	SNL0090027	LWDS-04-BH01	0	08-AUG-92	8240	10	U	10	EB
Pentanone, 4-methyl-, 2-	SNL0090029	LWDS-04-BH01	0	08-AUG-92	8240	10	U	10	TB
Pentanone, 4-methyl-, 2-	SNL0090030	LWDS-04-BH01	0	09-AUG-92	8240	10	U	10	EB
Pentanone, 4-methyl-, 2-	SNL0090032	LWDS-04-BH01	0	09-AUG-92	8240	10	U	10	TB
Pentanone, 4-methyl-, 2-	SNL0090053	LWDS-04-BH02	0	10-AUG-92	8240	10	U	10	EB
Pentanone, 4-methyl-, 2-	SNL0090055	LWDS-04-BH02	0	10-AUG-92	8240	10	U	10	TB
Pentanone, 4-methyl-, 2-	SNL0090162	LWDS-SS	0	16-JUL-92	8240	10	U	10	TB
Pentanone, 4-methyl-, 2-	SNL0090163	LWDS-SS	0	16-JUL-92	8240	10	U	10	TB
Pentanone, 4-methyl-, 2-	SNL0090416	LWDS-SS	0	16-JUL-92	8240	10	U	10	TB
Pentanone, 4-methyl-, 2-	SNL0090595	LWDS-04-BH02	0	11-AUG-92	8240	10	U	10	EB
Pentanone, 4-methyl-, 2-	SNL0090597	LWDS-04-BH02	0	11-AUG-92	8240	10	U	10	TB
Pentanone, 4-methyl-, 2-	SNL0090622	LWDS-04-BH03	0	12-AUG-92	8240	10	U	10	EB
Pentanone, 4-methyl-, 2-	SNL0090624	LWDS-04-BH03	0	12-AUG-92	8240	10	U	10	TB
Pentanone, 4-methyl-, 2-	SNL0090737	LWDS-SS	0	17-JUL-92	8240	10	U	10	TB
Pentanone, 4-methyl-, 2-	SNL0090934	LWDS-SS	0	17-JUL-92	8240	10	U	10	TB
Pentanone, 4-methyl-, 2-	SNL0091118	LWDS-SS	0	20-JUL-92	8240	10	U	10	TB
Pentanone, 4-methyl-, 2-	SNL0091157	LWDS-04-BH03	0	13-AUG-92	8240	10	U	10	EB
Pentanone, 4-methyl-, 2-	SNL0091171	LWDS-04-BH04	0	18-AUG-92	8240	10	U	10	EB
Pentanone, 4-methyl-, 2-	SNL0091174	LWDS-04-BH04	0	18-AUG-92	8240	10	U	10	TB
Pentanone, 4-methyl-, 2-	SNL0091191	LWDS-04-BH04	0	19-AUG-92	8240	10	U	10	EB
Pentanone, 4-methyl-, 2-	SNL0091193	LWDS-04-BH04	0	19-AUG-92	8240	10	U	10	TB
Pentanone, 4-methyl-, 2-	SNL0091242	LWDS-04-BH05	0	20-AUG-92	8240	10	U	10	TB
Pentanone, 4-methyl-, 2-	SNL0091256	LWDS-04-BH05	0	20-AUG-92	8240	10	U	10	EB
Pentanone, 4-methyl-, 2-	SNL0091257	LWDS-04-BH05	0	20-AUG-92	8240	10	U	10	TB
Pentanone, 4-methyl-, 2-	SNL0091272	LWDS-MW1	0	23-AUG-92	8240	10	U	10	EB
Pentanone, 4-methyl-, 2-	SNL0091274	LWDS-MW1	0	22-AUG-92	8240	10	U	10	EB
Pentanone, 4-methyl-, 2-	SNL0091276	LWDS-MW1	0	22-AUG-92	8240	10	U	10	TB
Pentanone, 4-methyl-, 2-	SNL0091291	LWDS-MW1	0	24-AUG-92	8240	10	U	10	EB
Pentanone, 4-methyl-, 2-	SNL0091293	LWDS-MW1	0	24-AUG-92	8240	10	U	10	TB
Pentanone, 4-methyl-, 2-	SNL0091298	LWDS-MW1	0	25-AUG-92	8240	10	U	10	EB
Pentanone, 4-methyl-, 2-	SNL0091300	LWDS-MW1	0	25-AUG-92	8240	10	U	10	TB
Pentanone, 4-methyl-, 2-	SNL0091933	LWDS-52-BH06	0	05-SEP-92	8240	10	U	10	EB
Pentanone, 4-methyl-, 2-	SNL0091935	LWDS-52-BH06	0	05-SEP-92	8240	10	U	10	TB
Pentanone, 4-methyl-, 2-	SNL0091944	LWDS-52-BH08	0	05-SEP-92	8240	10	U	10	EB
Pentanone, 4-methyl-, 2-	SNL0092723	LWDS-MW2	0	18-SEP-92	8240	10	U	10	TB
Pentanone, 4-methyl-, 2-	SNL0092746	LWDS-MW2	0	21-SEP-92	8240	10	U	10	TB
Pentanone, 4-methyl-, 2-	SNL0092791	LWDS-MW2	0	23-SEP-92	8240	10	U	10	EB
Pentanone, 4-methyl-, 2-	SNL0092801	LWDS-MW2	0	23-SEP-92	8240	10	U	10	TB
Pentanone, 4-methyl-, 2-	SNL0092835	LWDS-MW2	0	24-SEP-92	8240	10	U	10	TB
Pentanone, 4-methyl-, 2-	SNL0092847	LWDS-MW2	0	01-OCT-92	8240	10	U	10	TB
Pentanone, 4-methyl-, 2-	SNL0092859	LWDS-MW2	0	02-OCT-92	8240	10	U	10	TB
Pentanone, 4-methyl-, 2-	SNL0092871	LWDS-MW2	0	08-OCT-92	8240	10	U	10	EB
Pentanone, 4-methyl-, 2-	SNL0092881	LWDS-MW2	0	08-OCT-92	8240	10	U	10	TB
Pentanone, 4-methyl-, 2-	SNL0092948	LWDS-MW2	0	17-OCT-92	8240	10	U	10	TB
Pentanone, 4-methyl-, 2-	SNL0092970	LWDS-MW2	0	21-OCT-92	8240	10	U	10	TB
Pentanone, 4-methyl-, 2-	SNL0092989	LWDS-MW1	0	06-APR-93	8240	10	U	10	TB
Pentanone, 4-methyl-, 2-	SNL0093002	LWDS-MW1	0	08-APR-93	8240	10	U	10	TB
Pentanone, 4-methyl-, 2-	SNL0093003	LWDS-MW1	0	13-APR-93	8240	10	U	10	TB
Pentanone, 4-methyl-, 2-	SNL0093013	LWDS-MW1	0	14-APR-93	8240	10	U	10	TB
Pentanone, 4-methyl-, 2-	SNL0093035	LWDS-MW1	0	15-APR-93	8240	10	U	10	TB
Pentanone, 4-methyl-, 2-	SNL0093045	LWDS-MW1	0	17-APR-93	8240	10	U	10	TB
Pentanone, 4-methyl-, 2-	SNL0093082	LWDS-MW1	0	21-APR-93	8240	10	U	10	TB
Pentanone, 4-methyl-, 2-	SNL0093092	LWDS-MW1	0	27-APR-93	8240	10	U	10	TB
Pentanone, 4-methyl-, 2-	SNL0093105	LWDS-MW1	0	28-APR-93	8240	10	U	10	EB
Pentanone, 4-methyl-, 2-	SNL0093114	LWDS-MW1	0	28-APR-93	8240	10	U	10	TB
Pentanone, 4-methyl-, 2-	SNL0093124	LWDS-MW1	0	30-APR-93	8240	10	U	10	TB
Pentanone, 4-methyl-, 2-	SNL0093135	LWDS-MW1	0	03-MAY-93	8240	10	U	10	TB
Pentanone, 4-methyl-, 2-	SNL0093236	LWDS-04-BH09	0	18-MAR-94	8240	10	U	10	EB
Pentanone, 4-methyl-, 2-	SNL0093244	LWDS-04-BH09	0	18-MAR-94	8240	10	U	10	TB
Pentanone, 4-methyl-, 2-	SNL0093245	LWDS-04-BH09	0	18-MAR-94	8240	10	U	10	TB
Pentanone, 4-methyl-, 2-	SNL0093274	LWDS-04-BH10	0	19-MAR-94	8240	10	U	10	EB
Pentanone, 4-methyl-, 2-	SNL0093285	LWDS-04-BH10	0	19-MAR-94	8240	10	U	10	TB
Pentanone, 4-methyl-, 2-	SNL0093286	LWDS-04-BH10	0	19-MAR-94	8240	10	U	10	TB

Table A-13. Trip blank and equipment blank results for ER Sites 4, 5, and 52.

Analyte	Sample Number	Sample Location	Sample Depth (Ft)	Sample Date	Analytical Method	Amount Detected (mg/L)	Qualifier	Method Detection Limit	Sample Type
Pentanone, 4-methyl-, 2-	SNL0093367	LWDS-05-BH13	0	22-MAR-94	8240	10	U	10	EB
Pentanone, 4-methyl-, 2-	SNL0093375	LWDS-05-BH13	0	22-MAR-94	8240	10	U	10	TB
Pentanone, 4-methyl-, 2-	SNL0093376	LWDS-05-BH13	0	22-MAR-94	8240	10	U	10	TB
Pentanone, 4-methyl-, 2-	SNL0093457	LWDS-05-BH12	0	21-MAR-94	8240	10	U	10	EB
Pentanone, 4-methyl-, 2-	SNL0093465	LWDS-05-BH12	0	21-MAR-94	8240	10	U	10	TB
Pentanone, 4-methyl-, 2-	SNL0093466	LWDS-05-BH12	0	21-MAR-94	8240	10	U	10	TB
Pentanone, 4-methyl-, 2-	SNL0093572	LWDS-05-BH11	0	20-MAR-94	8240	10	U	10	TB
Pentanone, 4-methyl-, 2-	SNL0093573	LWDS-05-BH11	0	20-MAR-94	8240	10	U	10	TB
Pentanone, 4-methyl-, 2-	SNL0093574	LWDS-05-BH11	0	20-MAR-94	8240	10	U	10	EB
Pentanone, 4-methyl-, 2-	SNL0093614	LWDS-52-BH16	0	24-MAR-94	8240	10	U	10	EB
Pentanone, 4-methyl-, 2-	SNL0093622	LWDS-52-BH16	0	24-MAR-94	8240	10	U	10	TB
Pentanone, 4-methyl-, 2-	SNL0093646	LWDS-05-BH14	0	23-MAR-94	8240	10	U	10	EB
Pentanone, 4-methyl-, 2-	SNL0093654	LWDS-05-BH14	0	23-MAR-94	8240	10	U	10	TB
Pentanone, 4-methyl-, 2-	SNL0093655	LWDS-05-BH14	0	23-MAR-94	8240	10	U	10	TB
Pentanone, 4-methyl-, 2-	SNL0093705	LWDS-52-BH15	0	23-MAR-94	8240	10	U	10	EB
Pentanone, 4-methyl-, 2-	SNL0094080	LWDS-MW1	0	10-MAR-94	8240	0.005	U	0.005	TB
Pentanone, 4-methyl-, 2-	SNL0094280	LWDS-MW1	0	31-MAY-94	8260	0.002	U	0.002	TB
Pentanone, 4-methyl-, 2-	SNL0094281	LWDS-MW1	0	06-JUN-94	8260	0.002	U	0.002	EB
Pentanone, 4-methyl-, 2-	SNL0094298	LWDS-MW1	0	31-MAY-94	8260	0.002	U	0.002	TB
Pentanone, 4-methyl-, 2-	SNL0094302	LWDS-MW1	0	31-AUG-94	8260	0.002	U	0.002	EB
Pentanone, 4-methyl-, 2-	SNL0094317	LWDS-MW1	0	24-AUG-94	8260	0.002	U	0.002	TB
Pentanone, 4-methyl-, 2-	SNL0094348	LWDS-MW1	0	24-AUG-94	8260	0.01	U	0.01	TB
Pentanone, 4-methyl-, 2-	SNL0094411	LWDS-MW2	0	06-JUN-94	8260	0.002	U	0.002	TB
Pentanone, 4-methyl-, 2-	SNL0094618	LWDS MW-2	0	27-FEB-95	8240	0.01	U	0.01	TB
Pentanone, 4-methyl-, 2-	SNL0094619	LWDS MW-2	0	01-MAR-95	8240	0.01	U	0.01	EB
Pentanone, 4-methyl-, 2-	SNL0094667	LWDS MW-1	0	02-MAR-95	8240	0.01	U	0.01	TB
Pentanone, 4-methyl-, 2-	SNL0099096	LWDS-MW2	0	24-JUN-93	8240	0.01	U	0.01	EB
Pentanone, 4-methyl-, 2-	SNL0099097	LWDS-MW2	0	24-JUN-93	8240	0.01	U	0.01	TB
pH	SNL0094295	LWDS-MW1	0	06-JUN-94	9040	7.2		0.5	EB
pH	SNL0094314	LWDS-MW1	0	31-AUG-94	9040	6.8		0.5	EB
pH	SNL0094384	LWDS-MW1	0	08-DEC-94	9040	7.5		0.5	EB
pH	SNL0094422	LWDS-MW2	0	07-DEC-94	9040	6.6		0.5	EB
Phenanthrene	SNL0090028	LWDS-04-BH01	0	08-AUG-92	8270	10	U	10	EB
Phenanthrene	SNL0090031	LWDS-04-BH01	0	09-AUG-92	8270	10	U	10	EB
Phenanthrene	SNL0090054	LWDS-04-BH02	0	10-AUG-92	8270	10	U	10	EB
Phenanthrene	SNL0090596	LWDS-04-BH02	0	11-AUG-92	8270	10	U	10	EB
Phenanthrene	SNL0090623	LWDS-04-BH03	0	12-AUG-92	8270	10	U	10	EB
Phenanthrene	SNL0091158	LWDS-04-BH03	0	13-AUG-92	8270	10	U	10	EB
Phenanthrene	SNL0091172	LWDS-04-BH04	0	18-AUG-92	8270	10	U	10	EB
Phenanthrene	SNL0091173	LWDS-04-BH04	0	18-AUG-92	8270	11	U	11	EB
Phenanthrene	SNL0091192	LWDS-04-BH04	0	19-AUG-92	8270	10	U	10	EB
Phenanthrene	SNL0091255	LWDS-04-BH05	0	20-AUG-92	8270	10	U	10	EB
Phenanthrene	SNL0091273	LWDS-MW1	0	23-AUG-92	8270	10	U	10	EB
Phenanthrene	SNL0091275	LWDS-MW1	0	22-AUG-92	8270	10	U	10	EB
Phenanthrene	SNL0091292	LWDS-MW1	0	24-AUG-92	8270	10	U	10	EB
Phenanthrene	SNL0091299	LWDS-MW1	0	25-AUG-92	8270	10	U	10	EB
Phenanthrene	SNL0091934	LWDS-52-BH06	0	05-SEP-92	8270	10	U	10	EB
Phenanthrene	SNL0091945	LWDS-52-BH08	0	05-SEP-92	8270	10	U	10	EB
Phenanthrene	SNL0092792	LWDS-MW2	0	23-SEP-92	8270	10	U	10	EB
Phenanthrene	SNL0092872	LWDS-MW2	0	08-OCT-92	8270	10	U	10	EB
Phenanthrene	SNL0093106	LWDS-MW1	0	28-APR-93	8270	10	U	10	EB
Phenanthrene	SNL0093237	LWDS-04-BH09	0	18-MAR-94	8270	10	U	10	EB
Phenanthrene	SNL0093275	LWDS-04-BH10	0	19-MAR-94	8270	10	U	10	EB
Phenanthrene	SNL0093368	LWDS-05-BH13	0	22-MAR-94	8270	10	U	10	EB
Phenanthrene	SNL0093458	LWDS-05-BH12	0	21-MAR-94	8270	10	U	10	EB
Phenanthrene	SNL0093575	LWDS-05-BH11	0	20-MAR-94	8270	10	U	10	EB
Phenanthrene	SNL0093615	LWDS-52-BH16	0	24-MAR-94	8270	10	U	10	EB
Phenanthrene	SNL0093647	LWDS-05-BH14	0	23-MAR-94	8270	10	U	10	EB
Phenanthrene	SNL0093706	LWDS-52-BH15	0	23-MAR-94	8270	10	U	10	EB
Phenanthrene	SNL0094017	LWDS-MW2	0	11-MAR-94	8270	0.01	U	0.01	EB
Phenanthrene	SNL0094282	LWDS-MW1	0	06-JUN-94	8270	0.01	U	0.01	EB
Phenanthrene	SNL0094303	LWDS-MW1	0	31-AUG-94	8270	0.01	U	0.01	EB
Phenanthrene	SNL0094414	LWDS-MW2	0	07-DEC-94	8270	0.01	U	0.01	EB
Phenanthrene	SNL0094620	LWDS MW-2	0	01-MAR-95	8270	0.01	U	0.01	EB
Phenanthrene	SNL0094749	LWDS-MW2	0	12-JUN-95	8270	0.01	U	0.01	EB
Phenanthrene	SNL0099100	LWDS-MW2	0	24-JUN-93	8270	0.01	U	0.01	EB
Phenol	SNL0090028	LWDS-04-BH01	0	08-AUG-92	8270	10	U	10	EB
Phenol	SNL0090031	LWDS-04-BH01	0	09-AUG-92	8270	10	U	10	EB

Table A-13. Trip blank and equipment blank results for ER Sites 4, 5, and 52.

Analyte	Sample Number	Sample Location	Sample Depth (Ft)	Sample Date	Analytical Method	Amount Detected (mg/L)	Qualifier	Method Detection Limit	Sample Type
Phenol	SNL0090054	LWDS-04-BH02	0	10-AUG-92	8270	10	U	10	EB
Phenol	SNL0090596	LWDS-04-BH02	0	11-AUG-92	8270	10	U	10	EB
Phenol	SNL0090623	LWDS-04-BH03	0	12-AUG-92	8270	10	U	10	EB
Phenol	SNL0091158	LWDS-04-BH03	0	13-AUG-92	8270	10	U	10	EB
Phenol	SNL0091172	LWDS-04-BH04	0	18-AUG-92	8270	10	U	10	EB
Phenol	SNL0091173	LWDS-04-BH04	0	18-AUG-92	8270	11	U	11	EB
Phenol	SNL0091192	LWDS-04-BH04	0	19-AUG-92	8270	10	U	10	EB
Phenol	SNL0091255	LWDS-04-BH05	0	20-AUG-92	8270	10	U	10	EB
Phenol	SNL0091273	LWDS-MW1	0	23-AUG-92	8270	10	U	10	EB
Phenol	SNL0091275	LWDS-MW1	0	22-AUG-92	8270	10	U	10	EB
Phenol	SNL0091292	LWDS-MW1	0	24-AUG-92	8270	10	U	10	EB
Phenol	SNL0091299	LWDS-MW1	0	25-AUG-92	8270	10	U	10	EB
Phenol	SNL0091934	LWDS-52-BH06	0	05-SEP-92	8270	10	U	10	EB
Phenol	SNL0091945	LWDS-52-BH08	0	05-SEP-92	8270	10	U	10	EB
Phenol	SNL0092792	LWDS-MW2	0	23-SEP-92	8270	10	U	10	EB
Phenol	SNL0092872	LWDS-MW2	0	08-OCT-92	8270	10	U	10	EB
Phenol	SNL0093106	LWDS-MW1	0	28-APR-93	8270	10	U	10	EB
Phenol	SNL0093237	LWDS-04-BH09	0	18-MAR-94	8270	10	U	10	EB
Phenol	SNL0093275	LWDS-04-BH10	0	19-MAR-94	8270	10	U	10	EB
Phenol	SNL0093368	LWDS-05-BH13	0	22-MAR-94	8270	10	U	10	EB
Phenol	SNL0093458	LWDS-05-BH12	0	21-MAR-94	8270	10	U	10	EB
Phenol	SNL0093575	LWDS-05-BH11	0	20-MAR-94	8270	10	U	10	EB
Phenol	SNL0093615	LWDS-52-BH16	0	24-MAR-94	8270	10	U	10	EB
Phenol	SNL0093647	LWDS-05-BH14	0	23-MAR-94	8270	10	U	10	EB
Phenol	SNL0093706	LWDS-52-BH15	0	23-MAR-94	8270	10	U	10	EB
Phenol	SNL0094017	LWDS-MW2	0	11-MAR-94	8270	0.01	U	0.01	EB
Phenol	SNL0094282	LWDS-MW1	0	06-JUN-94	8270	0.01	U	0.01	EB
Phenol	SNL0094303	LWDS-MW1	0	31-AUG-94	8270	0.01	U	0.01	EB
Phenol	SNL0094414	LWDS-MW2	0	07-DEC-94	8270	0.01	U	0.01	EB
Phenol	SNL0094620	LWDS MW-2	0	01-MAR-95	8270	0.01	U	0.01	EB
Phenol	SNL0094749	LWDS-MW2	0	12-JUN-95	8270	0.01	U	0.01	EB
Phenol	SNL0099100	LWDS-MW2	0	24-JUN-93	8270	0.01	U	0.01	EB
Phosphorus, total as P	SNL0094025	LWDS-MW2	0	11-MAR-94	365.3	0.05	U	0.05	EB
Phosphorus, total as P	SNL0099091	LWDS-MW2	0	24-JUN-93	365.3	0.05	U	0.05	EB
Plutonium-239	SNL0094243	LWDS-MW2	0	07-DEC-94	GAMMA	103	U	103	EB
Plutonium-239	SNL0094247	LWDS-MW1	0	08-DEC-94	GAMMA	127	U	127	FB
Potassium	SNL0091302	LWDS-04-BH01	0	09-AUG-92	6010	5	U	5	EB
Potassium	SNL0091519	LWDS-04-BH01	0	08-AUG-92	6010	5	U	5	EB
Potassium	SNL0091528	LWDS-04-BH02	0	10-AUG-92	6010	5	U	5	EB
Potassium	SNL0091576	LWDS-04-BH02	0	11-AUG-92	6010	5	U	5	EB
Potassium	SNL0091684	LWDS-04-BH03	0	12-AUG-92	6010	5	U	5	EB
Potassium	SNL0091735	LWDS-04-BH03	0	13-AUG-92	6010	5	U	5	EB
Potassium	SNL0091791	LWDS-04-BH04	0	18-AUG-92	6010	5	U	5	EB
Potassium	SNL0091927	LWDS-04-BH04	0	19-AUG-92	6010	5	U	5	EB
Potassium	SNL0092178	LWDS-04-BH05	0	20-AUG-92	6010	5	U	5	EB
Potassium	SNL0092210	LWDS-MW1	0	24-AUG-92	6010	5	U	5	EB
Potassium	SNL0092218	LWDS-MW1	0	22-AUG-92	6010	5	U	5	EB
Potassium	SNL0092325	LWDS-MW1	0	23-AUG-92	6010	5	U	5	EB
Potassium	SNL0092351	LWDS-MW1	0	25-AUG-92	6010	5	U	5	EB
Potassium	SNL0092374	LWDS-52-BH06	0	05-SEP-92	6010	5	U	5	EB
Potassium	SNL0092418	LWDS-52-BH08	0	05-SEP-92	6010	5	U	5	EB
Potassium	SNL0092507	LWDS-52-BH07	0	07-SEP-92	6010	5	U	5	EB
Potassium	SNL0092532	LWDS-MW2	0	07-SEP-92	6010	5	U	5	EB
Potassium	SNL0092685	LWDS-52-BH07	0	06-SEP-92	6010	5	U	5	EB
Potassium	SNL0092795	LWDS-MW2	0	23-SEP-92	6010	7.4		5	EB
Potassium	SNL0092875	LWDS-MW2	0	08-OCT-92	6010	5	U	5	EB
Potassium	SNL0093107	LWDS-MW1	0	28-APR-93	6010	0.28	J	5	EB
Potassium	SNL0093238	LWDS-04-BH09	0	18-MAR-94	6010	5	U	5	EB
Potassium	SNL0093276	LWDS-04-BH10	0	19-MAR-94	6010	5	U	5	EB
Potassium	SNL0093369	LWDS-05-BH13	0	22-MAR-94	6010	5	U	5	EB
Potassium	SNL0093459	LWDS-05-BH12	0	21-MAR-94	6010	5	U	5	EB
Potassium	SNL0093576	LWDS-05-BH11	0	20-MAR-94	6010	5	U	5	EB
Potassium	SNL0093616	LWDS-52-BH16	0	24-MAR-94	6010	5	U	5	EB
Potassium	SNL0093648	LWDS-05-BH14	0	23-MAR-94	6010	0.16	J	5	EB
Potassium	SNL0093707	LWDS-52-BH15	0	23-MAR-94	6010	5	U	5	EB
Potassium	SNL0094023	LWDS-MW2	0	09-MAR-94	6010	0.2	U	0.2	EB
Potassium	SNL0094026	LWDS-MW2	0	09-MAR-94	6010	0.2	U	0.2	EB
Potassium	SNL0094283	LWDS-MW1	0	06-JUN-94	6010	0.2	U	0.2	EB

Table A-13. Trip blank and equipment blank results for ER Sites 4, 5, and 52.

Analyte	Sample Number	Sample Location	Sample Depth (Ft)	Sample Date	Analytical Method	Amount Detected (mg/L)	Qualifier	Method Detection Limit	Sample Type
Potassium	SNL0094289	LWDS-MW1	0	06-JUN-94	6010	0.2	U	0.2	EB
Potassium	SNL0094304	LWDS-MW1	0	31-AUG-94	6010	5	U	5	EB
Potassium	SNL0094310	LWDS-MW1	0	31-AUG-94	6010	0.2	U	0.2	EB
Potassium	SNL0094415	LWDS-MW2	0	07-DEC-94	6010	5	U	5	EB
Potassium	SNL0094423	LWDS-MW2	0	07-DEC-94	6010	0.2	U	0.2	EB
Potassium	SNL0094621	LWDS MW-2	0	01-MAR-95	6010	5	U	5	EB
Potassium	SNL0094628	LWDS MW-2	0	01-MAR-95	6010	0.2	U	0.2	EB
Potassium	SNL0094750	LWDS-MW2	0	12-JUN-95	6010	5	U	5	EB
Potassium	SNL0094759	LWDS-MW2	0	12-JUN-95	6010	5	U	5	EB
Potassium	SNL0099067	LWDS-MW2	0	24-JUN-93	6010	0.2	U	0.2	EB
Potassium-40	SNL0091301	LWDS-04-BH01	0	09-AUG-92	GAMMA	582	<	582	EB
Potassium-40	SNL0091518	LWDS-04-BH01	0	08-AUG-92	GAMMA	574	<	574	EB
Potassium-40	SNL0091526	LWDS-04-BH02	0	10-AUG-92	GAMMA	551	<	551	EB
Potassium-40	SNL0091574	LWDS-04-BH02	0	11-AUG-92	GAMMA	563	<	563	EB
Potassium-40	SNL0091682	LWDS-04-BH03	0	12-AUG-92	GAMMA	553	<	553	EB
Potassium-40	SNL0091733	LWDS-04-BH03	0	13-AUG-92	GAMMA	575	<	575	EB
Potassium-40	SNL0091789	LWDS-04-BH04	0	18-AUG-92	GAMMA	546	<	546	EB
Potassium-40	SNL0091925	LWDS-04-BH04	0	19-AUG-92	GAMMA	566	<	566	EB
Potassium-40	SNL0092176	LWDS-04-BH05	0	20-AUG-92	GAMMA	579	<	579	EB
Potassium-40	SNL0092208	LWDS-MW1	0	24-AUG-92	GAMMA	576	<	576	EB
Potassium-40	SNL0092216	LWDS-MW1	0	22-AUG-92	GAMMA	549	<	549	EB
Potassium-40	SNL0092323	LWDS-MW1	0	23-AUG-92	GAMMA	272	<	272	EB
Potassium-40	SNL0092349	LWDS-MW1	0	25-AUG-92	GAMMA	270	<	270	EB
Potassium-40	SNL0092373	LWDS-52-BH06	0	05-SEP-92	GAMMA	261	<	261	EB
Potassium-40	SNL0092417	LWDS-52-BH08	0	05-SEP-92	GAMMA	270	<	270	EB
Potassium-40	SNL0092506	LWDS-52-BH07	0	07-SEP-92	GAMMA	271	<	271	EB
Potassium-40	SNL0092538	LWDS-MW2	0	07-SEP-92	GAMMA	352	<	352	EB
Potassium-40	SNL0092684	LWDS-52-BH07	0	06-SEP-92	GAMMA	264	<	264	EB
Potassium-40	SNL0092793	LWDS-MW2	0	23-SEP-92	GAMMA	300		100000000	EB
Potassium-40	SNL0092873	LWDS-MW2	0	08-OCT-92	GAMMA	269	<	269	EB
Potassium-40	SNL0093766	LWDS-MW1	0	27-APR-93	GAMMA	820	U	820	EB
Potassium-40	SNL0093779	LWDS-MW2	0	24-JUN-93	GAMMA	540	U	540	EB
Potassium-40	SNL0093788	LWDS-MW1	0	03-NOV-93	GAMMA	550	U	550	EB
Potassium-40	SNL0093841	LWDS-04-BH10	0	19-MAR-94	GAMMA	140	B	440	EB
Potassium-40	SNL0093865	LWDS-04-BH09	0	18-MAR-94	GAMMA	600	U	600	EB
Potassium-40	SNL0093879	LWDS-52-BH16	0	24-MAR-94	GAMMA	620	U	620	EB
Potassium-40	SNL0093901	LWDS-05-BH13	0	22-MAR-94	GAMMA	650	U	650	EB
Potassium-40	SNL0093939	LWDS-05-BH14	0	23-MAR-94	GAMMA	660	U	660	EB
Potassium-40	SNL0093941	LWDS-52-BH15	0	23-MAR-94	GAMMA	200		660	EB
Potassium-40	SNL0093943	LWDS-05-BH11	0	20-MAR-94	GAMMA	180		370	EB
Potassium-40	SNL0093978	LWDS-05-BH12	0	21-MAR-94	GAMMA	650	U	650	EB
Potassium-40	SNL0094220	LWDS-04-BH09-EB	0	18-MAR-94	GAMMA	0.268		100000000	EB
Potassium-40	SNL0094223	LWDS-04-BH10-EB	0	19-MAR-94	GAMMA	0.37496		100000000	EB
Potassium-40	SNL0094226	LWDS-05-BH11-EB	0	20-MAR-94	GAMMA	0.32		100000000	EB
Potassium-40	SNL0094227	LWDS-MW1	0	06-JUN-94	GAMMA	0.252	U	0.252	EB
Potassium-40	SNL0094243	LWDS-MW2	0	07-DEC-94	GAMMA	0.183	U	0.183	EB
Potassium-40	SNL0094247	LWDS-MW1	0	08-DEC-94	GAMMA	0.164	U	0.164	FB
Potassium-40	SNL0094249	LWDS-MW2	0	07-DEC-94	GAMMA	530	U	530	EB
Potassium-40	SNL0094261	LWDS-MW1	0	08-DEC-94	GAMMA	690	U	690	FB
Potassium-40	SNL0094488	LWDS-MW2	0	12-JUN-95	901.1	149		149	EB
Potassium-40	SNL0094502	LWDS MW-1	0	02-MAR-95	GAMMA	630	U	630	FB
Potassium-40	SNL0094505	LWDS MW-2	0	01-MAR-95	GAMMA	130	U	650	EB
Protactinium-231	SNL0094220	LWDS-04-BH09-EB	0	18-MAR-94	GAMMA	0.427	U	0.427	EB
Protactinium-231	SNL0094223	LWDS-04-BH10-EB	0	19-MAR-94	GAMMA	0.47359	U	0.47359	EB
Protactinium-231	SNL0094226	LWDS-05-BH11-EB	0	20-MAR-94	GAMMA	0.438	U	0.438	EB
Protactinium-231	SNL0094227	LWDS-MW1	0	06-JUN-94	GAMMA	0.392	U	0.392	EB
Protactinium-231	SNL0094243	LWDS-MW2	0	07-DEC-94	GAMMA	0.367	U	0.367	EB
Protactinium-231	SNL0094247	LWDS-MW1	0	08-DEC-94	GAMMA	0.338	U	0.338	FB
Protactinium-233	SNL0094220	LWDS-04-BH09-EB	0	18-MAR-94	GAMMA	0.0224	U	0.0224	EB
Protactinium-233	SNL0094223	LWDS-04-BH10-EB	0	19-MAR-94	GAMMA	0.02615	U	0.02615	EB
Protactinium-233	SNL0094226	LWDS-05-BH11-EB	0	20-MAR-94	GAMMA	0.0252	U	0.0252	EB
Protactinium-233	SNL0094227	LWDS-MW1	0	06-JUN-94	GAMMA	0.0204	U	0.0204	EB
Protactinium-233	SNL0094243	LWDS-MW2	0	07-DEC-94	GAMMA	0.0212	U	0.0212	EB
Protactinium-233	SNL0094247	LWDS-MW1	0	08-DEC-94	GAMMA	0.0234	U	0.0234	FB
Pyrene	SNL0090028	LWDS-04-BH01	0	08-AUG-92	8270	10	U	10	EB
Pyrene	SNL0090031	LWDS-04-BH01	0	09-AUG-92	8270	10	U	10	EB
Pyrene	SNL0090054	LWDS-04-BH02	0	10-AUG-92	8270	10	U	10	EB
Pyrene	SNL0090596	LWDS-04-BH02	0	11-AUG-92	8270	10	U	10	EB

Table A-13. Trip blank and equipment blank results for ER Sites 4, 5, and 52.

Analyte	Sample Number	Sample Location	Sample Depth (Ft)	Sample Date	Analytical Method	Amount Detected (mg/L)	Qualifier	Method Detection Limit	Sample Type
Pyrene	SNL0090623	LWDS-04-BH03	0	12-AUG-92	8270	10	U	10	EB
Pyrene	SNL0091158	LWDS-04-BH03	0	13-AUG-92	8270	10	U	10	EB
Pyrene	SNL0091172	LWDS-04-BH04	0	18-AUG-92	8270	10	U	10	EB
Pyrene	SNL0091173	LWDS-04-BH04	0	18-AUG-92	8270	11	U	11	EB
Pyrene	SNL0091192	LWDS-04-BH04	0	19-AUG-92	8270	10	U	10	EB
Pyrene	SNL0091255	LWDS-04-BH05	0	20-AUG-92	8270	10	U	10	EB
Pyrene	SNL0091273	LWDS-MW1	0	23-AUG-92	8270	10	U	10	EB
Pyrene	SNL0091275	LWDS-MW1	0	22-AUG-92	8270	10	U	10	EB
Pyrene	SNL0091292	LWDS-MW1	0	24-AUG-92	8270	10	U	10	EB
Pyrene	SNL0091299	LWDS-MW1	0	25-AUG-92	8270	10	U	10	EB
Pyrene	SNL0091934	LWDS-52-BH06	0	05-SEP-92	8270	10	U	10	EB
Pyrene	SNL0091945	LWDS-52-BH08	0	05-SEP-92	8270	10	U	10	EB
Pyrene	SNL0092792	LWDS-MW2	0	23-SEP-92	8270	10	U	10	EB
Pyrene	SNL0092872	LWDS-MW2	0	08-OCT-92	8270	10	U	10	EB
Pyrene	SNL0093106	LWDS-MW1	0	28-APR-93	8270	10	U	10	EB
Pyrene	SNL0093237	LWDS-04-BH09	0	18-MAR-94	8270	10	U	10	EB
Pyrene	SNL0093275	LWDS-04-BH10	0	19-MAR-94	8270	10	U	10	EB
Pyrene	SNL0093368	LWDS-05-BH13	0	22-MAR-94	8270	10	U	10	EB
Pyrene	SNL0093458	LWDS-05-BH12	0	21-MAR-94	8270	10	U	10	EB
Pyrene	SNL0093575	LWDS-05-BH11	0	20-MAR-94	8270	10	U	10	EB
Pyrene	SNL0093615	LWDS-52-BH16	0	24-MAR-94	8270	10	U	10	EB
Pyrene	SNL0093647	LWDS-05-BH14	0	23-MAR-94	8270	10	U	10	EB
Pyrene	SNL0093706	LWDS-52-BH15	0	23-MAR-94	8270	10	U	10	EB
Pyrene	SNL0094017	LWDS-MW2	0	11-MAR-94	8270	0.01	U	0.01	EB
Pyrene	SNL0094282	LWDS-MW1	0	06-JUN-94	8270	0.01	U	0.01	EB
Pyrene	SNL0094303	LWDS-MW1	0	31-AUG-94	8270	0.01	U	0.01	EB
Pyrene	SNL0094414	LWDS-MW2	0	07-DEC-94	8270	0.01	U	0.01	EB
Pyrene	SNL0094620	LWDS MW-2	0	01-MAR-95	8270	0.01	U	0.01	EB
Pyrene	SNL0094749	LWDS-MW2	0	12-JUN-95	8270	0.01	U	0.01	EB
Pyrene	SNL0099100	LWDS-MW2	0	24-JUN-93	8270	0.01	U	0.01	EB
Radium-224	SNL0094220	LWDS-04-BH09-EB	0	18-MAR-94	GAMMA	0.274	U	0.274	EB
Radium-224	SNL0094223	LWDS-04-BH10-EB	0	19-MAR-94	GAMMA	0.07359		100000000	EB
Radium-224	SNL0094226	LWDS-05-BH11-EB	0	20-MAR-94	GAMMA	0.249	U	0.249	EB
Radium-224	SNL0094227	LWDS-MW1	0	06-JUN-94	GAMMA	0.217	U	0.217	EB
Radium-224	SNL0094243	LWDS-MW2	0	07-DEC-94	GAMMA	0.257	U	0.257	EB
Radium-224	SNL0094247	LWDS-MW1	0	08-DEC-94	GAMMA	0.196	U	0.196	FB
Radium-226	SNL0091301	LWDS-04-BH01	0	09-AUG-92	GAMMA	495	<	495	EB
Radium-226	SNL0091518	LWDS-04-BH01	0	08-AUG-92	GAMMA	485	<	485	EB
Radium-226	SNL0091526	LWDS-04-BH02	0	10-AUG-92	GAMMA	523	<	523	EB
Radium-226	SNL0091574	LWDS-04-BH02	0	11-AUG-92	GAMMA	518	<	518	EB
Radium-226	SNL0091682	LWDS-04-BH03	0	12-AUG-92	GAMMA	503	<	503	EB
Radium-226	SNL0091733	LWDS-04-BH03	0	13-AUG-92	GAMMA	552	<	552	EB
Radium-226	SNL0091789	LWDS-04-BH04	0	18-AUG-92	GAMMA	522	<	522	EB
Radium-226	SNL0091925	LWDS-04-BH04	0	19-AUG-92	GAMMA	463	<	463	EB
Radium-226	SNL0092176	LWDS-04-BH05	0	20-AUG-92	GAMMA	576	<	576	EB
Radium-226	SNL0092208	LWDS-MW1	0	24-AUG-92	GAMMA	466	<	466	EB
Radium-226	SNL0092216	LWDS-MW1	0	22-AUG-92	GAMMA	499	<	499	EB
Radium-226	SNL0092323	LWDS-MW1	0	23-AUG-92	GAMMA	253	<	253	EB
Radium-226	SNL0092349	LWDS-MW1	0	25-AUG-92	GAMMA	227	<	227	EB
Radium-226	SNL0092373	LWDS-52-BH06	0	05-SEP-92	GAMMA	251	<	251	EB
Radium-226	SNL0092417	LWDS-52-BH08	0	05-SEP-92	GAMMA	277	<	277	EB
Radium-226	SNL0092506	LWDS-52-BH07	0	07-SEP-92	GAMMA	250	<	250	EB
Radium-226	SNL0092538	LWDS-MW2	0	07-SEP-92	GAMMA	309	<	309	EB
Radium-226	SNL0092684	LWDS-52-BH07	0	06-SEP-92	GAMMA	226	<	226	EB
Radium-226	SNL0092793	LWDS-MW2	0	23-SEP-92	GAMMA	251	<	251	EB
Radium-226	SNL0092873	LWDS-MW2	0	08-OCT-92	GAMMA	244	<	244	EB
Radium-226	SNL0093766	LWDS-MW1	0	27-APR-93	GAMMA	56	U	56	EB
Radium-226	SNL0093779	LWDS-MW2	0	24-JUN-93	GAMMA	50	U	50	EB
Radium-226	SNL0093788	LWDS-MW1	0	03-NOV-93	GAMMA	45	U	45	EB
Radium-226	SNL0093841	LWDS-04-BH10	0	19-MAR-94	GAMMA	42	U	42	EB
Radium-226	SNL0093865	LWDS-04-BH09	0	18-MAR-94	GAMMA	40	U	40	EB
Radium-226	SNL0093879	LWDS-52-BH16	0	24-MAR-94	GAMMA	44	U	44	EB
Radium-226	SNL0093901	LWDS-05-BH13	0	22-MAR-94	GAMMA	42	U	42	EB
Radium-226	SNL0093939	LWDS-05-BH14	0	23-MAR-94	GAMMA	46	U	46	EB
Radium-226	SNL0093941	LWDS-52-BH15	0	23-MAR-94	GAMMA	42	U	42	EB
Radium-226	SNL0093943	LWDS-05-BH11	0	20-MAR-94	GAMMA	39	U	39	EB
Radium-226	SNL0093978	LWDS-05-BH12	0	21-MAR-94	GAMMA	46	U	46	EB
Radium-226	SNL0094220	LWDS-04-BH09-EB	0	18-MAR-94	GAMMA	0.0358	U	0.0358	EB

Table A-13. Trip blank and equipment blank results for ER Sites 4, 5, and 52.

Analyte	Sample Number	Sample Location	Sample Depth (Ft)	Sample Date	Analytical Method	Amount Detected (mg/L)	Qualifier	Method Detection Limit	Sample Type
Radium-226	SNL0094223	LWDS-04-BH10-EB	0	19-MAR-94	GAMMA	0.2383		100000000	EB
Radium-226	SNL0094226	LWDS-05-BH11-EB	0	20-MAR-94	GAMMA	0.0355	U	0.0355	EB
Radium-226	SNL0094227	LWDS-MW1	0	06-JUN-94	GAMMA	0.255	U	0.255	EB
Radium-226	SNL0094243	LWDS-MW2	0	07-DEC-94	GAMMA	0.284	U	0.284	EB
Radium-226	SNL0094247	LWDS-MW1	0	08-DEC-94	GAMMA	0.232	U	0.232	FB
Radium-226	SNL0094249	LWDS-MW2	0	07-DEC-94	GAMMA	47	U	47	EB
Radium-226	SNL0094261	LWDS-MW1	0	08-DEC-94	GAMMA	51	U	51	FB
Radium-226	SNL0094488	LWDS-MW2	0	12-JUN-95	901.1	28.8		28.8	EB
Radium-226	SNL0094502	LWDS MW-1	0	02-MAR-95	GAMMA	43	U	43	FB
Radium-226	SNL0094505	LWDS MW-2	0	01-MAR-95	GAMMA	40	U	40	EB
Radium-228	SNL0093841	LWDS-04-BH10	0	19-MAR-94	GAMMA	94	U	94	EB
Radium-228	SNL0093865	LWDS-04-BH09	0	18-MAR-94	GAMMA	93	U	93	EB
Radium-228	SNL0093879	LWDS-52-BH16	0	24-MAR-94	GAMMA	110	U	110	EB
Radium-228	SNL0093901	LWDS-05-BH13	0	22-MAR-94	GAMMA	100	U	100	EB
Radium-228	SNL0093939	LWDS-05-BH14	0	23-MAR-94	GAMMA	100	U	100	EB
Radium-228	SNL0093941	LWDS-52-BH15	0	23-MAR-94	GAMMA	110	U	110	EB
Radium-228	SNL0093943	LWDS-05-BH11	0	20-MAR-94	GAMMA	110	U	110	EB
Radium-228	SNL0093978	LWDS-05-BH12	0	21-MAR-94	GAMMA	88	U	88	EB
Radium-228	SNL0094220	LWDS-04-BH09-EB	0	18-MAR-94	GAMMA	0.0602	U	0.0602	EB
Radium-228	SNL0094223	LWDS-04-BH10-EB	0	19-MAR-94	GAMMA	0.05851	U	0.05851	EB
Radium-228	SNL0094226	LWDS-05-BH11-EB	0	20-MAR-94	GAMMA	0.0531	U	0.0531	EB
Radium-228	SNL0094227	LWDS-MW1	0	06-JUN-94	GAMMA	0.0441	U	0.0441	EB
Radium-228	SNL0094243	LWDS-MW2	0	07-DEC-94	GAMMA	0.049	U	0.049	EB
Radium-228	SNL0094247	LWDS-MW1	0	08-DEC-94	GAMMA	0.0396	U	0.0396	FB
Radium-228	SNL0094249	LWDS-MW2	0	07-DEC-94	GAMMA	90		170	EB
Radium-228	SNL0094261	LWDS-MW1	0	08-DEC-94	GAMMA	56		150	FB
Radium-228	SNL0094488	LWDS-MW2	0	12-JUN-95	901.1	52.1		52.1	EB
Radium-228	SNL0094502	LWDS MW-1	0	02-MAR-95	GAMMA	100	U	100	FB
Radium-228	SNL0094505	LWDS MW-2	0	01-MAR-95	GAMMA	94	U	94	EB
Ruthenium-103	SNL0093766	LWDS-MW1	0	27-APR-93	GAMMA	33	U	33	EB
Ruthenium-103	SNL0093779	LWDS-MW2	0	24-JUN-93	GAMMA	32	U	32	EB
Ruthenium-103	SNL0093788	LWDS-MW1	0	03-NOV-93	GAMMA	22	U	22	EB
Ruthenium-103	SNL0094220	LWDS-04-BH09-EB	0	18-MAR-94	GAMMA	0.0111	U	0.0111	EB
Ruthenium-103	SNL0094223	LWDS-04-BH10-EB	0	19-MAR-94	GAMMA	0.0144	U	0.0144	EB
Ruthenium-103	SNL0094226	LWDS-05-BH11-EB	0	20-MAR-94	GAMMA	0.0128	U	0.0128	EB
Ruthenium-103	SNL0094227	LWDS-MW1	0	06-JUN-94	GAMMA	0.0109	U	0.0109	EB
Ruthenium-103	SNL0094243	LWDS-MW2	0	07-DEC-94	GAMMA	0.00835	U	0.00835	EB
Ruthenium-103	SNL0094247	LWDS-MW1	0	08-DEC-94	GAMMA	0.0108	U	0.0108	FB
Ruthenium-103	SNL0094488	LWDS-MW2	0	12-JUN-95	901.1	13.2		13.2	EB
Ruthenium-106	SNL0091301	LWDS-04-BH01	0	09-AUG-92	GAMMA	133	<	133	EB
Ruthenium-106	SNL0091518	LWDS-04-BH01	0	08-AUG-92	GAMMA	112	<	112	EB
Ruthenium-106	SNL0091526	LWDS-04-BH02	0	10-AUG-92	GAMMA	200	<	200	EB
Ruthenium-106	SNL0091574	LWDS-04-BH02	0	11-AUG-92	GAMMA	183	<	183	EB
Ruthenium-106	SNL0091682	LWDS-04-BH03	0	12-AUG-92	GAMMA	172	<	172	EB
Ruthenium-106	SNL0091733	LWDS-04-BH03	0	13-AUG-92	GAMMA	202	<	202	EB
Ruthenium-106	SNL0091789	LWDS-04-BH04	0	18-AUG-92	GAMMA	200	<	200	EB
Ruthenium-106	SNL0091925	LWDS-04-BH04	0	19-AUG-92	GAMMA	139	<	139	EB
Ruthenium-106	SNL0092176	LWDS-04-BH05	0	20-AUG-92	GAMMA	129	<	129	EB
Ruthenium-106	SNL0092208	LWDS-MW1	0	24-AUG-92	GAMMA	159	<	159	EB
Ruthenium-106	SNL0092216	LWDS-MW1	0	22-AUG-92	GAMMA	142	<	142	EB
Ruthenium-106	SNL0092323	LWDS-MW1	0	23-AUG-92	GAMMA	105	<	105	EB
Ruthenium-106	SNL0092349	LWDS-MW1	0	25-AUG-92	GAMMA	83.6	<	83.6	EB
Ruthenium-106	SNL0092373	LWDS-52-BH06	0	05-SEP-92	GAMMA	102	<	102	EB
Ruthenium-106	SNL0092417	LWDS-52-BH08	0	05-SEP-92	GAMMA	96.3	<	96.3	EB
Ruthenium-106	SNL0092506	LWDS-52-BH07	0	07-SEP-92	GAMMA	49.9	<	49.9	EB
Ruthenium-106	SNL0092538	LWDS-MW2	0	07-SEP-92	GAMMA	128	<	128	EB
Ruthenium-106	SNL0092684	LWDS-52-BH07	0	06-SEP-92	GAMMA	99.7	<	99.7	EB
Ruthenium-106	SNL0092793	LWDS-MW2	0	23-SEP-92	GAMMA	96.8	<	96.8	EB
Ruthenium-106	SNL0092873	LWDS-MW2	0	08-OCT-92	GAMMA	85.1	<	85.1	EB
Ruthenium-106	SNL0093766	LWDS-MW1	0	27-APR-93	GAMMA	220	U	220	EB
Ruthenium-106	SNL0093779	LWDS-MW2	0	24-JUN-93	GAMMA	180	U	180	EB
Ruthenium-106	SNL0093788	LWDS-MW1	0	03-NOV-93	GAMMA	210	U	210	EB
Ruthenium-106	SNL0094220	LWDS-04-BH09-EB	0	18-MAR-94	GAMMA	0.109	U	0.109	EB
Ruthenium-106	SNL0094223	LWDS-04-BH10-EB	0	19-MAR-94	GAMMA	0.11562	U	0.11562	EB
Ruthenium-106	SNL0094226	LWDS-05-BH11-EB	0	20-MAR-94	GAMMA	0.128	U	0.128	EB
Ruthenium-106	SNL0094227	LWDS-MW1	0	06-JUN-94	GAMMA	0.0834	U	0.0834	EB
Ruthenium-106	SNL0094243	LWDS-MW2	0	07-DEC-94	GAMMA	0.0871	U	0.0871	EB
Ruthenium-106	SNL0094247	LWDS-MW1	0	08-DEC-94	GAMMA	0.0883	U	0.0883	FB

Table A-13. Trip blank and equipment blank results for ER Sites 4, 5, and 52.

Analyte	Sample Number	Sample Location	Sample Depth (Ft)	Sample Date	Analytical Method	Amount Detected (mg/L)	Qualifier	Method Detection Limit	Sample Type
Ruthenium-106	SNL0094488	LWDS-MW2	0	12-JUN-95	901.1	110		110	EB
Scandium-46	SNL0094220	LWDS-04-BH09-EB	0	18-MAR-94	GAMMA	0.0123	U	0.0123	EB
Scandium-46	SNL0094223	LWDS-04-BH10-EB	0	19-MAR-94	GAMMA	0.0131	U	0.0131	EB
Scandium-46	SNL0094226	LWDS-05-BH11-EB	0	20-MAR-94	GAMMA	0.00857	U	0.00857	EB
Scandium-46	SNL0094227	LWDS-MW1	0	06-JUN-94	GAMMA	0.00899	U	0.00899	EB
Scandium-46	SNL0094243	LWDS-MW2	0	07-DEC-94	GAMMA	0.0103	U	0.0103	EB
Scandium-46	SNL0094247	LWDS-MW1	0	08-DEC-94	GAMMA	0.00907	U	0.00907	FB
Selenium	SNL0091306	LWDS-04-BH01	0	09-AUG-92	7740	0.005	U	0.005	EB
Selenium	SNL0091523	LWDS-04-BH01	0	08-AUG-92	7740	0.005	U	0.005	EB
Selenium	SNL0091532	LWDS-04-BH02	0	10-AUG-92	7740	0.005	U	0.005	EB
Selenium	SNL0091580	LWDS-04-BH02	0	11-AUG-92	7740	0.005	U	0.005	EB
Selenium	SNL0091688	LWDS-04-BH03	0	12-AUG-92	7740	0.005	U	0.005	EB
Selenium	SNL0091739	LWDS-04-BH03	0	13-AUG-92	7740	0.005	U	0.005	EB
Selenium	SNL0091795	LWDS-04-BH04	0	18-AUG-92	7740	0.005	U	0.005	EB
Selenium	SNL0091931	LWDS-04-BH04	0	19-AUG-92	7740	0.005	U	0.005	EB
Selenium	SNL0092182	LWDS-04-BH05	0	20-AUG-92	7740	0.005	U	0.005	EB
Selenium	SNL0092214	LWDS-MW1	0	24-AUG-92	7740	0.005	U	0.005	EB
Selenium	SNL0092222	LWDS-MW1	0	22-AUG-92	7740	0.005	U	0.005	EB
Selenium	SNL0092329	LWDS-MW1	0	23-AUG-92	7740	0.01	U	0.01	EB
Selenium	SNL0092355	LWDS-MW1	0	25-AUG-92	7740	0.01	U	0.01	EB
Selenium	SNL0092378	LWDS-52-BH06	0	05-SEP-92	7740	0.005	U	0.005	EB
Selenium	SNL0092422	LWDS-52-BH08	0	05-SEP-92	7740	0.005	U	0.005	EB
Selenium	SNL0092511	LWDS-52-BH07	0	07-SEP-92	7740	0.005	U	0.005	EB
Selenium	SNL0092536	LWDS-MW2	0	07-SEP-92	7740	0.005	U	0.005	EB
Selenium	SNL0092689	LWDS-52-BH07	0	06-SEP-92	7740	0.005	U	0.005	EB
Selenium	SNL0092799	LWDS-MW2	0	23-SEP-92	7740	0.005	U	0.005	EB
Selenium	SNL0092879	LWDS-MW2	0	08-OCT-92	7740	0.005	U	0.005	EB
Selenium	SNL0093112	LWDS-MW1	0	28-APR-93	7740	0.005	U	0.005	EB
Selenium	SNL0093242	LWDS-04-BH09	0	18-MAR-94	7740	0.0013	J	0.005	EB
Selenium	SNL0093280	LWDS-04-BH10	0	19-MAR-94	7740	0.005	U	0.005	EB
Selenium	SNL0093463	LWDS-05-BH12	0	21-MAR-94	7740	0.005	U	0.005	EB
Selenium	SNL0093580	LWDS-05-BH11	0	20-MAR-94	7740	0.005	U	0.005	EB
Selenium	SNL0093620	LWDS-52-BH16	0	24-MAR-94	7740	0.005	U	0.005	EB
Selenium	SNL0093652	LWDS-05-BH14	0	23-MAR-94	7740	0.005	U	0.005	EB
Selenium	SNL0093711	LWDS-52-BH15	0	23-MAR-94	7740	0.005	U	0.005	EB
Selenium	SNL0094030	LWDS-MW2	0	09-MAR-94	7741	0.002	U	0.002	EB
Selenium	SNL0094287	LWDS-MW1	0	06-JUN-94	7741	0.002	U	0.002	EB
Selenium	SNL0094308	LWDS-MW1	0	31-AUG-94	7740	0.005	U	0.005	EB
Selenium	SNL0094416	LWDS-MW2	0	07-DEC-94	6020	0.005	U	0.005	EB
Selenium	SNL0094622	LWDS MW-2	0	01-MAR-95	6020	0.005	U	0.005	EB
Selenium	SNL0094751	LWDS-MW2	0	12-JUN-95	6020	0.005	U	0.005	EB
Selenium	SNL0099071	LWDS-MW2	0	24-JUN-93	7741	0.002	U	0.002	EB
Silver	SNL0091302	LWDS-04-BH01	0	09-AUG-92	6010	0.01	U	0.01	EB
Silver	SNL0091519	LWDS-04-BH01	0	08-AUG-92	6010	0.01	U	0.01	EB
Silver	SNL0091528	LWDS-04-BH02	0	10-AUG-92	6010	0.01	U	0.01	EB
Silver	SNL0091576	LWDS-04-BH02	0	11-AUG-92	6010	0.01	U	0.01	EB
Silver	SNL0091684	LWDS-04-BH03	0	12-AUG-92	6010	0.01	U	0.01	EB
Silver	SNL0091735	LWDS-04-BH03	0	13-AUG-92	6010	0.01	U	0.01	EB
Silver	SNL0091791	LWDS-04-BH04	0	18-AUG-92	6010	0.01	U	0.01	EB
Silver	SNL0091927	LWDS-04-BH04	0	19-AUG-92	6010	0.01	U	0.01	EB
Silver	SNL0092178	LWDS-04-BH05	0	20-AUG-92	6010	0.01	U	0.01	EB
Silver	SNL0092210	LWDS-MW1	0	24-AUG-92	6010	0.01	U	0.01	EB
Silver	SNL0092218	LWDS-MW1	0	22-AUG-92	6010	0.01	U	0.01	EB
Silver	SNL0092325	LWDS-MW1	0	23-AUG-92	6010	0.01	U	0.01	EB
Silver	SNL0092351	LWDS-MW1	0	25-AUG-92	6010	0.01	U	0.01	EB
Silver	SNL0092374	LWDS-52-BH06	0	05-SEP-92	6010	0.01	U	0.01	EB
Silver	SNL0092418	LWDS-52-BH08	0	05-SEP-92	6010	0.01	U	0.01	EB
Silver	SNL0092507	LWDS-52-BH07	0	07-SEP-92	6010	0.01	U	0.01	EB
Silver	SNL0092532	LWDS-MW2	0	07-SEP-92	6010	0.01	U	0.01	EB
Silver	SNL0092685	LWDS-52-BH07	0	06-SEP-92	6010	0.01	U	0.01	EB
Silver	SNL0092795	LWDS-MW2	0	23-SEP-92	6010	0.01	U	0.01	EB
Silver	SNL0092875	LWDS-MW2	0	08-OCT-92	6010	0.01	U	0.01	EB
Silver	SNL0093107	LWDS-MW1	0	28-APR-93	6010	0.01	U	0.01	EB
Silver	SNL0093238	LWDS-04-BH09	0	18-MAR-94	6010	0.01	U	0.01	EB
Silver	SNL0093276	LWDS-04-BH10	0	19-MAR-94	6010	0.01	U	0.01	EB
Silver	SNL0093369	LWDS-05-BH13	0	22-MAR-94	6010	0.01	U	0.01	EB
Silver	SNL0093459	LWDS-05-BH12	0	21-MAR-94	6010	0.01	U	0.01	EB
Silver	SNL0093576	LWDS-05-BH11	0	20-MAR-94	6010	0.01	U	0.01	EB

Table A-13. Trip blank and equipment blank results for ER Sites 4, 5, and 52.

Analyte	Sample Number	Sample Location	Sample Depth (Ft)	Sample Date	Analytical Method	Amount Detected (mg/L)	Qualifier	Method Detection Limit	Sample Type
Silver	SNL0093616	LWDS-52-BH16	0	24-MAR-94	6010	0.01	U	0.01	EB
Silver	SNL0093648	LWDS-05-BH14	0	23-MAR-94	6010	0.01	U	0.01	EB
Silver	SNL0093707	LWDS-52-BH15	0	23-MAR-94	6010	0.01	U	0.01	EB
Silver	SNL0094026	LWDS-MW2	0	09-MAR-94	6010	0.01	U	0.01	EB
Silver	SNL0094283	LWDS-MW1	0	06-JUN-94	6010	0.01	U	0.01	EB
Silver	SNL0094304	LWDS-MW1	0	31-AUG-94	6010	0.01	U	0.01	EB
Silver	SNL0094415	LWDS-MW2	0	07-DEC-94	6010	0.01	U	0.01	EB
Silver	SNL0094621	LWDS MW-2	0	01-MAR-95	6010	0.01	U	0.01	EB
Silver	SNL0094750	LWDS-MW2	0	12-JUN-95	6010	0.01	U	0.01	EB
Silver	SNL0099067	LWDS-MW2	0	24-JUN-93	6010	0.01	U	0.01	EB
Silver-110	SNL0094220	LWDS-04-BH09-EB	0	18-MAR-94	GAMMA	0.0111	U	0.0111	EB
Silver-110	SNL0094223	LWDS-04-BH10-EB	0	19-MAR-94	GAMMA	0.01185	U	0.01185	EB
Silver-110	SNL0094226	LWDS-05-BH11-EB	0	20-MAR-94	GAMMA	0.0111	U	0.0111	EB
Silver-110	SNL0094227	LWDS-MW1	0	06-JUN-94	GAMMA	0.00808	U	0.00808	EB
Silver-110	SNL0094243	LWDS-MW2	0	07-DEC-94	GAMMA	0.0106	U	0.0106	EB
Silver-110	SNL0094247	LWDS-MW1	0	08-DEC-94	GAMMA	0.01	U	0.01	FB
Sodium	SNL0091302	LWDS-04-BH01	0	09-AUG-92	6010	5	U	5	EB
Sodium	SNL0091519	LWDS-04-BH01	0	08-AUG-92	6010	5	U	5	EB
Sodium	SNL0091528	LWDS-04-BH02	0	10-AUG-92	6010	5	U	5	EB
Sodium	SNL0091576	LWDS-04-BH02	0	11-AUG-92	6010	5	U	5	EB
Sodium	SNL0091684	LWDS-04-BH03	0	12-AUG-92	6010	5	U	5	EB
Sodium	SNL0091735	LWDS-04-BH03	0	13-AUG-92	6010	5	U	5	EB
Sodium	SNL0091791	LWDS-04-BH04	0	18-AUG-92	6010	5	U	5	EB
Sodium	SNL0091927	LWDS-04-BH04	0	19-AUG-92	6010	5	U	5	EB
Sodium	SNL0092178	LWDS-04-BH05	0	20-AUG-92	6010	5	U	5	EB
Sodium	SNL0092210	LWDS-MW1	0	24-AUG-92	6010	5	U	5	EB
Sodium	SNL0092218	LWDS-MW1	0	22-AUG-92	6010	5	U	5	EB
Sodium	SNL0092325	LWDS-MW1	0	23-AUG-92	6010	5	U	5	EB
Sodium	SNL0092351	LWDS-MW1	0	25-AUG-92	6010	5	U	5	EB
Sodium	SNL0092374	LWDS-52-BH06	0	05-SEP-92	6010	5	U	5	EB
Sodium	SNL0092418	LWDS-52-BH08	0	05-SEP-92	6010	5	U	5	EB
Sodium	SNL0092507	LWDS-52-BH07	0	07-SEP-92	6010	5	U	5	EB
Sodium	SNL0092532	LWDS-MW2	0	07-SEP-92	6010	5	U	5	EB
Sodium	SNL0092685	LWDS-52-BH07	0	06-SEP-92	6010	5	U	5	EB
Sodium	SNL0092795	LWDS-MW2	0	23-SEP-92	6010	5	U	5	EB
Sodium	SNL0092875	LWDS-MW2	0	08-OCT-92	6010	5	U	5	EB
Sodium	SNL0093107	LWDS-MW1	0	28-APR-93	6010	5	U	5	EB
Sodium	SNL0093238	LWDS-04-BH09	0	18-MAR-94	6010	5	U	5	EB
Sodium	SNL0093276	LWDS-04-BH10	0	19-MAR-94	6010	5	U	5	EB
Sodium	SNL0093369	LWDS-05-BH13	0	22-MAR-94	6010	5	U	5	EB
Sodium	SNL0093459	LWDS-05-BH12	0	21-MAR-94	6010	5	U	5	EB
Sodium	SNL0093576	LWDS-05-BH11	0	20-MAR-94	6010	5	U	5	EB
Sodium	SNL0093616	LWDS-52-BH16	0	24-MAR-94	6010	5	U	5	EB
Sodium	SNL0093648	LWDS-05-BH14	0	23-MAR-94	6010	5	U	5	EB
Sodium	SNL0093707	LWDS-52-BH15	0	23-MAR-94	6010	5	U	5	EB
Sodium	SNL0094023	LWDS-MW2	0	09-MAR-94	6010	0.2	U	0.2	EB
Sodium	SNL0094026	LWDS-MW2	0	09-MAR-94	6010	0.41		0.2	EB
Sodium	SNL0094283	LWDS-MW1	0	06-JUN-94	6010	1.1		0.2	EB
Sodium	SNL0094289	LWDS-MW1	0	06-JUN-94	6010	0.91		0.2	EB
Sodium	SNL0094304	LWDS-MW1	0	31-AUG-94	6010	5	U	5	EB
Sodium	SNL0094310	LWDS-MW1	0	31-AUG-94	6010	0.99		0.2	EB
Sodium	SNL0094415	LWDS-MW2	0	07-DEC-94	6010	5	U	5	EB
Sodium	SNL0094423	LWDS-MW2	0	07-DEC-94	6010	1.1		0.2	EB
Sodium	SNL0094621	LWDS MW-2	0	01-MAR-95	6010	5	U	5	EB
Sodium	SNL0094628	LWDS MW-2	0	01-MAR-95	6010	0.2	U	0.2	EB
Sodium	SNL0094750	LWDS-MW2	0	12-JUN-95	6010	5	U	5	EB
Sodium	SNL0094759	LWDS-MW2	0	12-JUN-95	6010	5	U	5	EB
Sodium	SNL0099067	LWDS-MW2	0	24-JUN-93	6010	0.39		0.2	EB
Sodium-22	SNL0091301	LWDS-04-BH01	0	09-AUG-92	GAMMA	19.5	<	19.5	EB
Sodium-22	SNL0091518	LWDS-04-BH01	0	08-AUG-92	GAMMA	15.5	<	15.5	EB
Sodium-22	SNL0091526	LWDS-04-BH02	0	10-AUG-92	GAMMA	22.2	<	22.2	EB
Sodium-22	SNL0091574	LWDS-04-BH02	0	11-AUG-92	GAMMA	22.7	<	22.7	EB
Sodium-22	SNL0091682	LWDS-04-BH03	0	12-AUG-92	GAMMA	23	<	23	EB
Sodium-22	SNL0091733	LWDS-04-BH03	0	13-AUG-92	GAMMA	12.8	<	12.8	EB
Sodium-22	SNL0091789	LWDS-04-BH04	0	18-AUG-92	GAMMA	10.3	<	10.3	EB
Sodium-22	SNL0091925	LWDS-04-BH04	0	19-AUG-92	GAMMA	22.4	<	22.4	EB
Sodium-22	SNL0092176	LWDS-04-BH05	0	20-AUG-92	GAMMA	9.98	<	9.98	EB
Sodium-22	SNL0092208	LWDS-MW1	0	24-AUG-92	GAMMA	14.3	<	14.3	EB

Table A-13. Trip blank and equipment blank results for ER Sites 4, 5, and 52.

Analyte	Sample Number	Sample Location	Sample Depth (Ft)	Sample Date	Analytical Method	Amount Detected (mg/L)	Qualifier	Method Detection Limit	Sample Type
Sodium-22	SNL0092216	LWDS-MW1	0	22-AUG-92	GAMMA	16.8	<	16.8	EB
Sodium-22	SNL0092323	LWDS-MW1	0	23-AUG-92	GAMMA	10.3	<	10.3	EB
Sodium-22	SNL0092349	LWDS-MW1	0	25-AUG-92	GAMMA	7.02	<	7.02	EB
Sodium-22	SNL0092373	LWDS-52-BH06	0	05-SEP-92	GAMMA	12	<	12	EB
Sodium-22	SNL0092417	LWDS-52-BH08	0	05-SEP-92	GAMMA	6.76	<	6.76	EB
Sodium-22	SNL0092506	LWDS-52-BH07	0	07-SEP-92	GAMMA	6.35	<	6.35	EB
Sodium-22	SNL0092538	LWDS-MW2	0	07-SEP-92	GAMMA	11.5	<	11.5	EB
Sodium-22	SNL0092684	LWDS-52-BH07	0	06-SEP-92	GAMMA	8.86	<	8.86	EB
Sodium-22	SNL0092793	LWDS-MW2	0	23-SEP-92	GAMMA	4.41	<	4.41	EB
Sodium-22	SNL0092873	LWDS-MW2	0	08-OCT-92	GAMMA	3.91	<	3.91	EB
Sodium-22	SNL0094220	LWDS-04-BH09-EB	0	18-MAR-94	GAMMA	0.0107	U	0.0107	EB
Sodium-22	SNL0094223	LWDS-04-BH10-EB	0	19-MAR-94	GAMMA	0.01481	U	0.01481	EB
Sodium-22	SNL0094226	LWDS-05-BH11-EB	0	20-MAR-94	GAMMA	0.0144	U	0.0144	EB
Sodium-22	SNL0094227	LWDS-MW1	0	06-JUN-94	GAMMA	0.00922	U	0.00922	EB
Sodium-22	SNL0094243	LWDS-MW2	0	07-DEC-94	GAMMA	0.0108	U	0.0108	EB
Sodium-22	SNL0094247	LWDS-MW1	0	08-DEC-94	GAMMA	0.0118	U	0.0118	FB
Sodium-24	SNL0091301	LWDS-04-BH01	0	09-AUG-92	GAMMA	15.6	<	15.6	EB
Sodium-24	SNL0091518	LWDS-04-BH01	0	08-AUG-92	GAMMA	10.4	<	10.4	EB
Sodium-24	SNL0091526	LWDS-04-BH02	0	10-AUG-92	GAMMA	17.3	<	17.3	EB
Sodium-24	SNL0091574	LWDS-04-BH02	0	11-AUG-92	GAMMA	11.9	<	11.9	EB
Sodium-24	SNL0091682	LWDS-04-BH03	0	12-AUG-92	GAMMA	22	<	22	EB
Sodium-24	SNL0091733	LWDS-04-BH03	0	13-AUG-92	GAMMA	26	<	26	EB
Sodium-24	SNL0091789	LWDS-04-BH04	0	18-AUG-92	GAMMA	9.98	<	9.98	EB
Sodium-24	SNL0091925	LWDS-04-BH04	0	19-AUG-92	GAMMA	11.7	<	11.7	EB
Sodium-24	SNL0092176	LWDS-04-BH05	0	20-AUG-92	GAMMA	13	<	13	EB
Sodium-24	SNL0092208	LWDS-MW1	0	24-AUG-92	GAMMA	11.1	<	11.1	EB
Sodium-24	SNL0092216	LWDS-MW1	0	22-AUG-92	GAMMA	11.3	<	11.3	EB
Sodium-24	SNL0092323	LWDS-MW1	0	23-AUG-92	GAMMA	6.88	<	6.88	EB
Sodium-24	SNL0092349	LWDS-MW1	0	25-AUG-92	GAMMA	4.45	<	4.45	EB
Sodium-24	SNL0092373	LWDS-52-BH06	0	05-SEP-92	GAMMA	9.39	<	9.39	EB
Sodium-24	SNL0092417	LWDS-52-BH08	0	05-SEP-92	GAMMA	10.8	<	10.8	EB
Sodium-24	SNL0092506	LWDS-52-BH07	0	07-SEP-92	GAMMA	9.29	<	9.29	EB
Sodium-24	SNL0092538	LWDS-MW2	0	07-SEP-92	GAMMA	5.95	<	5.95	EB
Sodium-24	SNL0092684	LWDS-52-BH07	0	06-SEP-92	GAMMA	8.06	<	8.06	EB
Sodium-24	SNL0092793	LWDS-MW2	0	23-SEP-92	GAMMA	8.32	<	8.32	EB
Sodium-24	SNL0092873	LWDS-MW2	0	08-OCT-92	GAMMA	11.3	<	11.3	EB
Sodium-24	SNL0094220	LWDS-04-BH09-EB	0	18-MAR-94	GAMMA	0.0217	U	0.0217	EB
Sodium-24	SNL0094223	LWDS-04-BH10-EB	0	19-MAR-94	GAMMA	0.49262	U	0.49262	EB
Sodium-24	SNL0094226	LWDS-05-BH11-EB	0	20-MAR-94	GAMMA	0.0421	U	0.0421	EB
Sodium-24	SNL0094227	LWDS-MW1	0	06-JUN-94	GAMMA	0.154	U	0.154	EB
Sodium-24	SNL0094243	LWDS-MW2	0	07-DEC-94	GAMMA	0.0398	U	0.0398	EB
Solids, total dissolved	SNL0094290	LWDS-MW1	0	06-JUN-94	160.1	10		10	EB
Solids, total dissolved	SNL0094311	LWDS-MW1	0	31-AUG-94	160.1	10	U	10	EB
Solids, total dissolved	SNL0094754	LWDS-MW2	0	12-JUN-95	160.1	5	U	5	EB
Solids, total dissolved	SNL0099087	LWDS-MW2	0	24-JUN-93	160.1	70		10	EB
Strontium-85	SNL0094220	LWDS-04-BH09-EB	0	18-MAR-94	GAMMA	0.0132	U	0.0132	EB
Strontium-85	SNL0094223	LWDS-04-BH10-EB	0	19-MAR-94	GAMMA	0.01548	U	0.01548	EB
Strontium-85	SNL0094226	LWDS-05-BH11-EB	0	20-MAR-94	GAMMA	0.0132	U	0.0132	EB
Strontium-85	SNL0094227	LWDS-MW1	0	06-JUN-94	GAMMA	0.0126	U	0.0126	EB
Strontium-85	SNL0094243	LWDS-MW2	0	07-DEC-94	GAMMA	0.0109	U	0.0109	EB
Strontium-85	SNL0094247	LWDS-MW1	0	08-DEC-94	GAMMA	0.0117	U	0.0117	FB
Styrene	SNL0090027	LWDS-04-BH01	0	08-AUG-92	8240	5	U	5	EB
Styrene	SNL0090029	LWDS-04-BH01	0	08-AUG-92	8240	5	U	5	TB
Styrene	SNL0090030	LWDS-04-BH01	0	09-AUG-92	8240	5	U	5	EB
Styrene	SNL0090032	LWDS-04-BH01	0	09-AUG-92	8240	5	U	5	TB
Styrene	SNL0090053	LWDS-04-BH02	0	10-AUG-92	8240	5	U	5	EB
Styrene	SNL0090055	LWDS-04-BH02	0	10-AUG-92	8240	5	U	5	TB
Styrene	SNL0090162	LWDS-SS	0	16-JUL-92	8240	5	U	5	TB
Styrene	SNL0090163	LWDS-SS	0	16-JUL-92	8240	5	U	5	TB
Styrene	SNL0090416	LWDS-SS	0	16-JUL-92	8240	5	U	5	TB
Styrene	SNL0090595	LWDS-04-BH02	0	11-AUG-92	8240	5	U	5	EB
Styrene	SNL0090597	LWDS-04-BH02	0	11-AUG-92	8240	5	U	5	TB
Styrene	SNL0090622	LWDS-04-BH03	0	12-AUG-92	8240	5	U	5	EB
Styrene	SNL0090624	LWDS-04-BH03	0	12-AUG-92	8240	5	U	5	TB
Styrene	SNL0090737	LWDS-SS	0	17-JUL-92	8240	5	U	5	TB
Styrene	SNL0090934	LWDS-SS	0	17-JUL-92	8240	5	U	5	TB
Styrene	SNL0091118	LWDS-SS	0	20-JUL-92	8240	5	U	5	TB
Styrene	SNL0091157	LWDS-04-BH03	0	13-AUG-92	8240	5	U	5	EB

Table A-13. Trip blank and equipment blank results for ER Sites 4, 5, and 52.

Analyte	Sample Number	Sample Location	Sample Depth (Ft)	Sample Date	Analytical Method	Amount Detected (mg/L)	Qualifier	Method Detection Limit	Sample Type
Styrene	SNL0091171	LWDS-04-BH04	0	18-AUG-92	8240	5	U	5	EB
Styrene	SNL0091174	LWDS-04-BH04	0	18-AUG-92	8240	5	U	5	TB
Styrene	SNL0091191	LWDS-04-BH04	0	19-AUG-92	8240	5	U	5	EB
Styrene	SNL0091193	LWDS-04-BH04	0	19-AUG-92	8240	5	U	5	TB
Styrene	SNL0091242	LWDS-04-BH05	0	20-AUG-92	8240	5	U	5	TB
Styrene	SNL0091256	LWDS-04-BH05	0	20-AUG-92	8240	5	U	5	EB
Styrene	SNL0091257	LWDS-04-BH05	0	20-AUG-92	8240	5	U	5	TB
Styrene	SNL0091272	LWDS-MW1	0	23-AUG-92	8240	5	U	5	EB
Styrene	SNL0091274	LWDS-MW1	0	22-AUG-92	8240	5	U	5	EB
Styrene	SNL0091276	LWDS-MW1	0	22-AUG-92	8240	5	U	5	TB
Styrene	SNL0091291	LWDS-MW1	0	24-AUG-92	8240	5	U	5	EB
Styrene	SNL0091293	LWDS-MW1	0	24-AUG-92	8240	5	U	5	TB
Styrene	SNL0091298	LWDS-MW1	0	25-AUG-92	8240	5	U	5	EB
Styrene	SNL0091300	LWDS-MW1	0	25-AUG-92	8240	5	U	5	TB
Styrene	SNL0091933	LWDS-52-BH06	0	05-SEP-92	8240	5	U	5	EB
Styrene	SNL0091935	LWDS-52-BH06	0	05-SEP-92	8240	5	U	5	TB
Styrene	SNL0091944	LWDS-52-BH08	0	05-SEP-92	8240	5	U	5	EB
Styrene	SNL0092723	LWDS-MW2	0	18-SEP-92	8240	5	U	5	TB
Styrene	SNL0092746	LWDS-MW2	0	21-SEP-92	8240	5	U	5	TB
Styrene	SNL0092791	LWDS-MW2	0	23-SEP-92	8240	5	U	5	EB
Styrene	SNL0092801	LWDS-MW2	0	23-SEP-92	8240	5	U	5	TB
Styrene	SNL0092835	LWDS-MW2	0	24-SEP-92	8240	5	U	5	TB
Styrene	SNL0092847	LWDS-MW2	0	01-OCT-92	8240	5	U	5	TB
Styrene	SNL0092859	LWDS-MW2	0	02-OCT-92	8240	5	U	5	TB
Styrene	SNL0092871	LWDS-MW2	0	08-OCT-92	8240	5	U	5	EB
Styrene	SNL0092881	LWDS-MW2	0	08-OCT-92	8240	5	U	5	TB
Styrene	SNL0092948	LWDS-MW2	0	17-OCT-92	8240	5	U	5	TB
Styrene	SNL0092970	LWDS-MW2	0	21-OCT-92	8240	5	U	5	TB
Styrene	SNL0092989	LWDS-MW1	0	06-APR-93	8240	5	U	5	TB
Styrene	SNL0093002	LWDS-MW1	0	08-APR-93	8240	5	U	5	TB
Styrene	SNL0093003	LWDS-MW1	0	13-APR-93	8240	5	U	5	TB
Styrene	SNL0093013	LWDS-MW1	0	14-APR-93	8240	5	U	5	TB
Styrene	SNL0093035	LWDS-MW1	0	15-APR-93	8240	5	U	5	TB
Styrene	SNL0093045	LWDS-MW1	0	17-APR-93	8240	5	U	5	TB
Styrene	SNL0093082	LWDS-MW1	0	21-APR-93	8240	5	U	5	TB
Styrene	SNL0093092	LWDS-MW1	0	27-APR-93	8240	5	U	5	TB
Styrene	SNL0093105	LWDS-MW1	0	28-APR-93	8240	5	U	5	EB
Styrene	SNL0093114	LWDS-MW1	0	28-APR-93	8240	5	U	5	TB
Styrene	SNL0093124	LWDS-MW1	0	30-APR-93	8240	5	U	5	TB
Styrene	SNL0093135	LWDS-MW1	0	03-MAY-93	8240	5	U	5	TB
Styrene	SNL0093236	LWDS-04-BH09	0	18-MAR-94	8240	5	U	5	EB
Styrene	SNL0093244	LWDS-04-BH09	0	18-MAR-94	8240	5	U	5	TB
Styrene	SNL0093245	LWDS-04-BH09	0	18-MAR-94	8240	5	U	5	TB
Styrene	SNL0093274	LWDS-04-BH10	0	19-MAR-94	8240	5	U	5	EB
Styrene	SNL0093285	LWDS-04-BH10	0	19-MAR-94	8240	5	U	5	TB
Styrene	SNL0093286	LWDS-04-BH10	0	19-MAR-94	8240	5	U	5	TB
Styrene	SNL0093367	LWDS-05-BH13	0	22-MAR-94	8240	5	U	5	EB
Styrene	SNL0093375	LWDS-05-BH13	0	22-MAR-94	8240	5	U	5	TB
Styrene	SNL0093376	LWDS-05-BH13	0	22-MAR-94	8240	5	U	5	TB
Styrene	SNL0093457	LWDS-05-BH12	0	21-MAR-94	8240	5	U	5	EB
Styrene	SNL0093465	LWDS-05-BH12	0	21-MAR-94	8240	5	U	5	TB
Styrene	SNL0093466	LWDS-05-BH12	0	21-MAR-94	8240	5	U	5	TB
Styrene	SNL0093572	LWDS-05-BH11	0	20-MAR-94	8240	5	U	5	TB
Styrene	SNL0093573	LWDS-05-BH11	0	20-MAR-94	8240	5	U	5	TB
Styrene	SNL0093574	LWDS-05-BH11	0	20-MAR-94	8240	5	U	5	EB
Styrene	SNL0093614	LWDS-52-BH16	0	24-MAR-94	8240	5	U	5	EB
Styrene	SNL0093622	LWDS-52-BH16	0	24-MAR-94	8240	5	U	5	TB
Styrene	SNL0093646	LWDS-05-BH14	0	23-MAR-94	8240	5	U	5	EB
Styrene	SNL0093654	LWDS-05-BH14	0	23-MAR-94	8240	5	U	5	TB
Styrene	SNL0093655	LWDS-05-BH14	0	23-MAR-94	8240	5	U	5	TB
Styrene	SNL0093705	LWDS-52-BH15	0	23-MAR-94	8240	5	U	5	EB
Styrene	SNL0094080	LWDS-MW1	0	10-MAR-94	8240	0.005	U	0.005	TB
Styrene	SNL0094280	LWDS-MW1	0	31-MAY-94	8260	0.001	U	0.001	TB
Styrene	SNL0094281	LWDS-MW1	0	06-JUN-94	8260	0.001	U	0.001	EB
Styrene	SNL0094298	LWDS-MW1	0	31-MAY-94	8260	0.001	U	0.001	TB
Styrene	SNL0094302	LWDS-MW1	0	31-AUG-94	8260	0.001	U	0.001	EB
Styrene	SNL0094317	LWDS-MW1	0	24-AUG-94	8260	0.001	U	0.001	TB
Styrene	SNL0094348	LWDS-MW1	0	24-AUG-94	8260	0.005	U	0.005	TB

Table A-13. Trip blank and equipment blank results for ER Sites 4, 5, and 52.

Analyte	Sample Number	Sample Location	Sample Depth (Ft)	Sample Date	Analytical Method	Amount Detected (mg/L)	Qualifier	Method Detection Limit	Sample Type
Styrene	SNL0094411	LWDS-MW2	0	06-JUN-94	8260	0.001	U	0.001	TB
Styrene	SNL0094618	LWDS MW-2	0	27-FEB-95	8240	0.005	U	0.005	TB
Styrene	SNL0094619	LWDS MW-2	0	01-MAR-95	8240	0.005	U	0.005	EB
Styrene	SNL0094667	LWDS MW-1	0	02-MAR-95	8240	0.005	U	0.005	TB
Styrene	SNL0099096	LWDS-MW2	0	24-JUN-93	8240	0.005	U	0.005	EB
Styrene	SNL0099097	LWDS-MW2	0	24-JUN-93	8240	0.005	U	0.005	TB
Sulfate	SNL0094022	LWDS-MW2	0	11-MAR-94	9038	5	U	5	EB
Sulfate	SNL0094292	LWDS-MW1	0	06-JUN-94	300.0	0.5	U	0.5	EB
Sulfate	SNL0094313	LWDS-MW1	0	31-AUG-94	300.0	1	U	1	EB
Sulfate	SNL0094381	LWDS-MW1	0	08-DEC-94	300.0	43		10	EB
Sulfate	SNL0094421	LWDS-MW2	0	07-DEC-94	9038	5	U	5	EB
Sulfate	SNL0094627	LWDS MW-2	0	01-MAR-95	9038	5	U	5	EB
Sulfate	SNL0094758	LWDS-MW2	0	12-JUN-95	9038	10	U	10	EB
Sulfate	SNL0099092	LWDS-MW2	0	24-JUN-93	9038	5	U	5	EB
Tantalum-182	SNL0094220	LWDS-04-BH09-EB	0	18-MAR-94	GAMMA	0.0714	U	0.0714	EB
Tantalum-182	SNL0094223	LWDS-04-BH10-EB	0	19-MAR-94	GAMMA	0.08306	U	0.08306	EB
Tantalum-182	SNL0094226	LWDS-05-BH11-EB	0	20-MAR-94	GAMMA	0.0744	U	0.0744	EB
Tantalum-182	SNL0094227	LWDS-MW1	0	06-JUN-94	GAMMA	0.0643	U	0.0643	EB
Tantalum-182	SNL0094243	LWDS-MW2	0	07-DEC-94	GAMMA	0.0581	U	0.0581	EB
Tantalum-182	SNL0094247	LWDS-MW1	0	08-DEC-94	GAMMA	0.0522	U	0.0522	FB
Tellurium-123M	SNL0094243	LWDS-MW2	0	07-DEC-94	GAMMA	0.0108	U	0.0108	EB
Tellurium-123M	SNL0094247	LWDS-MW1	0	08-DEC-94	GAMMA	0.00865	U	0.00865	FB
hlorodibenzo-p-dioxin, 2	SNL0094017	LWDS-MW2	0	11-MAR-94	8270	0.01	U	0.01	EB
etrachloroethane, 1,1,2,2	SNL0090027	LWDS-04-BH01	0	08-AUG-92	8240	5	U	5	EB
etrachloroethane, 1,1,2,2	SNL0090029	LWDS-04-BH01	0	08-AUG-92	8240	5	U	5	TB
etrachloroethane, 1,1,2,2	SNL0090030	LWDS-04-BH01	0	09-AUG-92	8240	5	U	5	EB
etrachloroethane, 1,1,2,2	SNL0090032	LWDS-04-BH01	0	09-AUG-92	8240	5	U	5	TB
etrachloroethane, 1,1,2,2	SNL0090053	LWDS-04-BH02	0	10-AUG-92	8240	5	U	5	EB
etrachloroethane, 1,1,2,2	SNL0090055	LWDS-04-BH02	0	10-AUG-92	8240	5	U	5	TB
etrachloroethane, 1,1,2,2	SNL0090162	LWDS-SS	0	16-JUL-92	8240	5	U	5	TB
etrachloroethane, 1,1,2,2	SNL0090163	LWDS-SS	0	16-JUL-92	8240	5	U	5	TB
etrachloroethane, 1,1,2,2	SNL0090416	LWDS-SS	0	16-JUL-92	8240	5	U	5	TB
etrachloroethane, 1,1,2,2	SNL0090595	LWDS-04-BH02	0	11-AUG-92	8240	5	U	5	EB
etrachloroethane, 1,1,2,2	SNL0090597	LWDS-04-BH02	0	11-AUG-92	8240	5	U	5	TB
etrachloroethane, 1,1,2,2	SNL0090622	LWDS-04-BH03	0	12-AUG-92	8240	5	U	5	EB
etrachloroethane, 1,1,2,2	SNL0090624	LWDS-04-BH03	0	12-AUG-92	8240	5	U	5	TB
etrachloroethane, 1,1,2,2	SNL0090737	LWDS-SS	0	17-JUL-92	8240	5	U	5	TB
etrachloroethane, 1,1,2,2	SNL0090934	LWDS-SS	0	17-JUL-92	8240	5	U	5	TB
etrachloroethane, 1,1,2,2	SNL0091118	LWDS-SS	0	20-JUL-92	8240	5	U	5	TB
etrachloroethane, 1,1,2,2	SNL0091157	LWDS-04-BH03	0	13-AUG-92	8240	5	U	5	EB
etrachloroethane, 1,1,2,2	SNL0091171	LWDS-04-BH04	0	18-AUG-92	8240	5	U	5	EB
etrachloroethane, 1,1,2,2	SNL0091174	LWDS-04-BH04	0	18-AUG-92	8240	5	U	5	TB
etrachloroethane, 1,1,2,2	SNL0091191	LWDS-04-BH04	0	19-AUG-92	8240	5	U	5	EB
etrachloroethane, 1,1,2,2	SNL0091193	LWDS-04-BH04	0	19-AUG-92	8240	5	U	5	TB
etrachloroethane, 1,1,2,2	SNL0091242	LWDS-04-BH05	0	20-AUG-92	8240	5	U	5	TB
etrachloroethane, 1,1,2,2	SNL0091256	LWDS-04-BH05	0	20-AUG-92	8240	5	U	5	EB
etrachloroethane, 1,1,2,2	SNL0091257	LWDS-04-BH05	0	20-AUG-92	8240	5	U	5	TB
etrachloroethane, 1,1,2,2	SNL0091272	LWDS-MW1	0	23-AUG-92	8240	5	U	5	EB
etrachloroethane, 1,1,2,2	SNL0091274	LWDS-MW1	0	22-AUG-92	8240	5	U	5	EB
etrachloroethane, 1,1,2,2	SNL0091276	LWDS-MW1	0	22-AUG-92	8240	5	U	5	TB
etrachloroethane, 1,1,2,2	SNL0091291	LWDS-MW1	0	24-AUG-92	8240	5	U	5	EB
etrachloroethane, 1,1,2,2	SNL0091293	LWDS-MW1	0	24-AUG-92	8240	5	U	5	TB
etrachloroethane, 1,1,2,2	SNL0091298	LWDS-MW1	0	25-AUG-92	8240	5	U	5	EB
etrachloroethane, 1,1,2,2	SNL0091300	LWDS-MW1	0	25-AUG-92	8240	5	U	5	TB
etrachloroethane, 1,1,2,2	SNL0091933	LWDS-52-BH06	0	05-SEP-92	8240	5	U	5	EB
etrachloroethane, 1,1,2,2	SNL0091935	LWDS-52-BH06	0	05-SEP-92	8240	5	U	5	TB
etrachloroethane, 1,1,2,2	SNL0091944	LWDS-52-BH08	0	05-SEP-92	8240	5	U	5	EB
etrachloroethane, 1,1,2,2	SNL0092723	LWDS-MW2	0	18-SEP-92	8240	5	U	5	TB
etrachloroethane, 1,1,2,2	SNL0092746	LWDS-MW2	0	21-SEP-92	8240	5	U	5	TB
etrachloroethane, 1,1,2,2	SNL0092791	LWDS-MW2	0	23-SEP-92	8240	5	U	5	EB
etrachloroethane, 1,1,2,2	SNL0092801	LWDS-MW2	0	23-SEP-92	8240	5	U	5	TB
etrachloroethane, 1,1,2,2	SNL0092835	LWDS-MW2	0	24-SEP-92	8240	5	U	5	TB
etrachloroethane, 1,1,2,2	SNL0092847	LWDS-MW2	0	01-OCT-92	8240	5	U	5	TB
etrachloroethane, 1,1,2,2	SNL0092859	LWDS-MW2	0	02-OCT-92	8240	5	U	5	TB
etrachloroethane, 1,1,2,2	SNL0092871	LWDS-MW2	0	08-OCT-92	8240	5	U	5	EB
etrachloroethane, 1,1,2,2	SNL0092881	LWDS-MW2	0	08-OCT-92	8240	5	U	5	TB
etrachloroethane, 1,1,2,2	SNL0092948	LWDS-MW2	0	17-OCT-92	8240	5	U	5	TB
etrachloroethane, 1,1,2,2	SNL0092970	LWDS-MW2	0	21-OCT-92	8240	5	U	5	TB

Table A-13. Trip blank and equipment blank results for ER Sites 4, 5, and 52.

Analyte	Sample Number	Sample Location	Sample Depth (Ft)	Sample Date	Analytical Method	Amount Detected (mg/L)	Qualifier	Method Detection Limit	Sample Type
etrachloroethane, 1,1,2,2	SNL0092989	LWDS-MW1	0	06-APR-93	8240	5	U	5	TB
etrachloroethane, 1,1,2,2	SNL0093002	LWDS-MW1	0	08-APR-93	8240	5	U	5	TB
etrachloroethane, 1,1,2,2	SNL0093003	LWDS-MW1	0	13-APR-93	8240	5	U	5	TB
etrachloroethane, 1,1,2,2	SNL0093013	LWDS-MW1	0	14-APR-93	8240	5	U	5	TB
etrachloroethane, 1,1,2,2	SNL0093035	LWDS-MW1	0	15-APR-93	8240	5	U	5	TB
etrachloroethane, 1,1,2,2	SNL0093045	LWDS-MW1	0	17-APR-93	8240	5	U	5	TB
etrachloroethane, 1,1,2,2	SNL0093082	LWDS-MW1	0	21-APR-93	8240	5	U	5	TB
etrachloroethane, 1,1,2,2	SNL0093092	LWDS-MW1	0	27-APR-93	8240	5	U	5	TB
etrachloroethane, 1,1,2,2	SNL0093105	LWDS-MW1	0	28-APR-93	8240	5	U	5	EB
etrachloroethane, 1,1,2,2	SNL0093114	LWDS-MW1	0	28-APR-93	8240	5	U	5	TB
etrachloroethane, 1,1,2,2	SNL0093124	LWDS-MW1	0	30-APR-93	8240	5	U	5	TB
etrachloroethane, 1,1,2,2	SNL0093135	LWDS-MW1	0	03-MAY-93	8240	5	U	5	TB
etrachloroethane, 1,1,2,2	SNL0093236	LWDS-04-BH09	0	18-MAR-94	8240	5	U	5	EB
etrachloroethane, 1,1,2,2	SNL0093244	LWDS-04-BH09	0	18-MAR-94	8240	5	U	5	TB
etrachloroethane, 1,1,2,2	SNL0093245	LWDS-04-BH09	0	18-MAR-94	8240	5	U	5	TB
etrachloroethane, 1,1,2,2	SNL0093274	LWDS-04-BH10	0	19-MAR-94	8240	5	U	5	EB
etrachloroethane, 1,1,2,2	SNL0093285	LWDS-04-BH10	0	19-MAR-94	8240	5	U	5	TB
etrachloroethane, 1,1,2,2	SNL0093286	LWDS-04-BH10	0	19-MAR-94	8240	5	U	5	TB
etrachloroethane, 1,1,2,2	SNL0093367	LWDS-05-BH13	0	22-MAR-94	8240	5	U	5	EB
etrachloroethane, 1,1,2,2	SNL0093375	LWDS-05-BH13	0	22-MAR-94	8240	5	U	5	TB
etrachloroethane, 1,1,2,2	SNL0093376	LWDS-05-BH13	0	22-MAR-94	8240	5	U	5	TB
etrachloroethane, 1,1,2,2	SNL0093457	LWDS-05-BH12	0	21-MAR-94	8240	5	U	5	EB
etrachloroethane, 1,1,2,2	SNL0093465	LWDS-05-BH12	0	21-MAR-94	8240	5	U	5	TB
etrachloroethane, 1,1,2,2	SNL0093466	LWDS-05-BH12	0	21-MAR-94	8240	5	U	5	TB
etrachloroethane, 1,1,2,2	SNL0093572	LWDS-05-BH11	0	20-MAR-94	8240	5	U	5	TB
etrachloroethane, 1,1,2,2	SNL0093573	LWDS-05-BH11	0	20-MAR-94	8240	5	U	5	TB
etrachloroethane, 1,1,2,2	SNL0093574	LWDS-05-BH11	0	20-MAR-94	8240	5	U	5	EB
etrachloroethane, 1,1,2,2	SNL0093614	LWDS-52-BH16	0	24-MAR-94	8240	5	U	5	EB
etrachloroethane, 1,1,2,2	SNL0093622	LWDS-52-BH16	0	24-MAR-94	8240	5	U	5	TB
etrachloroethane, 1,1,2,2	SNL0093646	LWDS-05-BH14	0	23-MAR-94	8240	5	U	5	EB
etrachloroethane, 1,1,2,2	SNL0093654	LWDS-05-BH14	0	23-MAR-94	8240	5	U	5	TB
etrachloroethane, 1,1,2,2	SNL0093655	LWDS-05-BH14	0	23-MAR-94	8240	5	U	5	TB
etrachloroethane, 1,1,2,2	SNL0093705	LWDS-52-BH15	0	23-MAR-94	8240	5	U	5	EB
etrachloroethane, 1,1,2,2	SNL0094080	LWDS-MW1	0	10-MAR-94	8240	0.005	U	0.005	TB
etrachloroethane, 1,1,2,2	SNL0094280	LWDS-MW1	0	31-MAY-94	8260	0.001	U	0.001	TB
etrachloroethane, 1,1,2,2	SNL0094281	LWDS-MW1	0	06-JUN-94	8260	0.001	U	0.001	EB
etrachloroethane, 1,1,2,2	SNL0094298	LWDS-MW1	0	31-MAY-94	8260	0.001	U	0.001	TB
etrachloroethane, 1,1,2,2	SNL0094302	LWDS-MW1	0	31-AUG-94	8260	0.001	U	0.001	EB
etrachloroethane, 1,1,2,2	SNL0094317	LWDS-MW1	0	24-AUG-94	8260	0.001	U	0.001	TB
etrachloroethane, 1,1,2,2	SNL0094348	LWDS-MW1	0	24-AUG-94	8260	0.005	U	0.005	TB
etrachloroethane, 1,1,2,2	SNL0094376	LWDS-MW1	0	07-OCT-94	8010	0.001	U	0.001	EB
etrachloroethane, 1,1,2,2	SNL0094377	LWDS-MW1	0	07-OCT-94	8010	0.001	U	0.001	EB
etrachloroethane, 1,1,2,2	SNL0094378	LWDS-MW1	0	07-OCT-94	8010	0.001	U	0.001	EB
etrachloroethane, 1,1,2,2	SNL0094379	LWDS-MW1	0	07-OCT-94	8010	0.001	U	0.001	TB
etrachloroethane, 1,1,2,2	SNL0094386	LWDS-MW1	0	30-NOV-94	8010	0.001	U	0.001	TB
etrachloroethane, 1,1,2,2	SNL0094411	LWDS-MW2	0	06-JUN-94	8260	0.001	U	0.001	TB
etrachloroethane, 1,1,2,2	SNL0094412	LWDS-MW2	0	30-NOV-94	8010	0.001	U	0.001	TB
etrachloroethane, 1,1,2,2	SNL0094413	LWDS-MW2	0	07-DEC-94	8010	0.001	U	0.001	EB
etrachloroethane, 1,1,2,2	SNL0094465	LWDS-MW1	0	18-MAR-96	8010	1	U	1	TB
etrachloroethane, 1,1,2,2	SNL0094521	LWDS-MW2	0	21-SEP-95	8260	1	U	1	TB
etrachloroethane, 1,1,2,2	SNL0094530	LWDS-MW1	0	25-SEP-95	8260	1	U	1	TB
etrachloroethane, 1,1,2,2	SNL0094531	LWDS-MW1	0	25-SEP-95	8260	1	U	1	FB
etrachloroethane, 1,1,2,2	SNL0094543	LWDS-MW2	0	14-DEC-95	8260	1	U	1	TB
etrachloroethane, 1,1,2,2	SNL0094618	LWDS MW-2	0	27-FEB-95	8240	0.005	U	0.005	TB
etrachloroethane, 1,1,2,2	SNL0094619	LWDS MW-2	0	01-MAR-95	8240	0.005	U	0.005	EB
etrachloroethane, 1,1,2,2	SNL0094667	LWDS MW-1	0	02-MAR-95	8240	0.005	U	0.005	TB
etrachloroethane, 1,1,2,2	SNL0094705	LWDS-MW2	0	12-JUN-95	8010	0.001	U	0.001	TB
etrachloroethane, 1,1,2,2	SNL0094748	LWDS-MW2	0	12-JUN-95	8010	0.001	U	0.001	EB
etrachloroethane, 1,1,2,2	SNL0094760	LWDS-MW1	0	14-JUN-95	8010	0.001	U	0.001	TB
etrachloroethane, 1,1,2,2	SNL0099096	LWDS-MW2	0	24-JUN-93	8240	0.005	U	0.005	EB
etrachloroethane, 1,1,2,2	SNL0099097	LWDS-MW2	0	24-JUN-93	8240	0.005	U	0.005	TB
etrachloroethane, 1,1,2,2	SNL0099118	LWDS-MW1-DRUM	0	27-DEC-93	624	0.005	U	0.005	TB
etrachloroethane, 1,1,2,2	031518-001	LWDS-MW1-TB		12-MAR-96	PA-SW846-80	0.19	U	0.19	TB
Tetrachloroethene	SNL0090027	LWDS-04-BH01	0	08-AUG-92	8240	5	U	5	EB
Tetrachloroethene	SNL0090029	LWDS-04-BH01	0	08-AUG-92	8240	5	U	5	TB
Tetrachloroethene	SNL0090030	LWDS-04-BH01	0	09-AUG-92	8240	5	U	5	EB
Tetrachloroethene	SNL0090032	LWDS-04-BH01	0	09-AUG-92	8240	5	U	5	TB
Tetrachloroethene	SNL0090053	LWDS-04-BH02	0	10-AUG-92	8240	5	U	5	EB

Table A-13. Trip blank and equipment blank results for ER Sites 4, 5, and 52.

Analyte	Sample Number	Sample Location	Sample Depth (Ft)	Sample Date	Analytical Method	Amount Detected (mg/L)	Qualifier	Method Detection Limit	Sample Type
Tetrachloroethene	SNL0090055	LWDS-04-BH02	0	10-AUG-92	8240	5	U	5	TB
Tetrachloroethene	SNL0090162	LWDS-SS	0	16-JUL-92	8240	5	U	5	TB
Tetrachloroethene	SNL0090163	LWDS-SS	0	16-JUL-92	8240	5	U	5	TB
Tetrachloroethene	SNL0090416	LWDS-SS	0	16-JUL-92	8240	5	U	5	TB
Tetrachloroethene	SNL0090595	LWDS-04-BH02	0	11-AUG-92	8240	5	U	5	EB
Tetrachloroethene	SNL0090597	LWDS-04-BH02	0	11-AUG-92	8240	5	U	5	TB
Tetrachloroethene	SNL0090622	LWDS-04-BH03	0	12-AUG-92	8240	5	U	5	EB
Tetrachloroethene	SNL0090624	LWDS-04-BH03	0	12-AUG-92	8240	5	U	5	TB
Tetrachloroethene	SNL0090737	LWDS-SS	0	17-JUL-92	8240	5	U	5	TB
Tetrachloroethene	SNL0090934	LWDS-SS	0	17-JUL-92	8240	5	U	5	TB
Tetrachloroethene	SNL0091118	LWDS-SS	0	20-JUL-92	8240	5	U	5	TB
Tetrachloroethene	SNL0091157	LWDS-04-BH03	0	13-AUG-92	8240	5	U	5	EB
Tetrachloroethene	SNL0091171	LWDS-04-BH04	0	18-AUG-92	8240	5	U	5	EB
Tetrachloroethene	SNL0091174	LWDS-04-BH04	0	18-AUG-92	8240	5	U	5	TB
Tetrachloroethene	SNL0091191	LWDS-04-BH04	0	19-AUG-92	8240	5	U	5	EB
Tetrachloroethene	SNL0091193	LWDS-04-BH04	0	19-AUG-92	8240	5	U	5	TB
Tetrachloroethene	SNL0091242	LWDS-04-BH05	0	20-AUG-92	8240	5	U	5	TB
Tetrachloroethene	SNL0091256	LWDS-04-BH05	0	20-AUG-92	8240	5	U	5	EB
Tetrachloroethene	SNL0091257	LWDS-04-BH05	0	20-AUG-92	8240	5	U	5	TB
Tetrachloroethene	SNL0091272	LWDS-MW1	0	23-AUG-92	8240	5	U	5	EB
Tetrachloroethene	SNL0091274	LWDS-MW1	0	22-AUG-92	8240	5	U	5	EB
Tetrachloroethene	SNL0091276	LWDS-MW1	0	22-AUG-92	8240	5	U	5	TB
Tetrachloroethene	SNL0091291	LWDS-MW1	0	24-AUG-92	8240	5	U	5	EB
Tetrachloroethene	SNL0091293	LWDS-MW1	0	24-AUG-92	8240	5	U	5	TB
Tetrachloroethene	SNL0091298	LWDS-MW1	0	25-AUG-92	8240	5	U	5	EB
Tetrachloroethene	SNL0091300	LWDS-MW1	0	25-AUG-92	8240	5	U	5	TB
Tetrachloroethene	SNL0091933	LWDS-52-BH06	0	05-SEP-92	8240	5	U	5	EB
Tetrachloroethene	SNL0091935	LWDS-52-BH06	0	05-SEP-92	8240	5	U	5	TB
Tetrachloroethene	SNL0091944	LWDS-52-BH08	0	05-SEP-92	8240	5	U	5	EB
Tetrachloroethene	SNL0092723	LWDS-MW2	0	18-SEP-92	8240	5	U	5	TB
Tetrachloroethene	SNL0092746	LWDS-MW2	0	21-SEP-92	8240	5	U	5	TB
Tetrachloroethene	SNL0092791	LWDS-MW2	0	23-SEP-92	8240	5	U	5	EB
Tetrachloroethene	SNL0092801	LWDS-MW2	0	23-SEP-92	8240	5	U	5	TB
Tetrachloroethene	SNL0092835	LWDS-MW2	0	24-SEP-92	8240	5	U	5	TB
Tetrachloroethene	SNL0092847	LWDS-MW2	0	01-OCT-92	8240	5	U	5	TB
Tetrachloroethene	SNL0092859	LWDS-MW2	0	02-OCT-92	8240	5	U	5	TB
Tetrachloroethene	SNL0092871	LWDS-MW2	0	08-OCT-92	8240	5	U	5	EB
Tetrachloroethene	SNL0092881	LWDS-MW2	0	08-OCT-92	8240	5	U	5	TB
Tetrachloroethene	SNL0092948	LWDS-MW2	0	17-OCT-92	8240	5	U	5	TB
Tetrachloroethene	SNL0092970	LWDS-MW2	0	21-OCT-92	8240	5	U	5	TB
Tetrachloroethene	SNL0092989	LWDS-MW1	0	06-APR-93	8240	5	U	5	TB
Tetrachloroethene	SNL0093002	LWDS-MW1	0	08-APR-93	8240	5	U	5	TB
Tetrachloroethene	SNL0093003	LWDS-MW1	0	13-APR-93	8240	5	U	5	TB
Tetrachloroethene	SNL0093013	LWDS-MW1	0	14-APR-93	8240	5	U	5	TB
Tetrachloroethene	SNL0093035	LWDS-MW1	0	15-APR-93	8240	5	U	5	TB
Tetrachloroethene	SNL0093045	LWDS-MW1	0	17-APR-93	8240	5	U	5	TB
Tetrachloroethene	SNL0093082	LWDS-MW1	0	21-APR-93	8240	5	U	5	TB
Tetrachloroethene	SNL0093092	LWDS-MW1	0	27-APR-93	8240	5	U	5	TB
Tetrachloroethene	SNL0093105	LWDS-MW1	0	28-APR-93	8240	5	U	5	EB
Tetrachloroethene	SNL0093114	LWDS-MW1	0	28-APR-93	8240	5	U	5	TB
Tetrachloroethene	SNL0093124	LWDS-MW1	0	30-APR-93	8240	5	U	5	TB
Tetrachloroethene	SNL0093135	LWDS-MW1	0	03-MAY-93	8240	5	U	5	TB
Tetrachloroethene	SNL0093236	LWDS-04-BH09	0	18-MAR-94	8240	5	U	5	EB
Tetrachloroethene	SNL0093244	LWDS-04-BH09	0	18-MAR-94	8240	5	U	5	TB
Tetrachloroethene	SNL0093245	LWDS-04-BH09	0	18-MAR-94	8240	5	U	5	TB
Tetrachloroethene	SNL0093274	LWDS-04-BH10	0	19-MAR-94	8240	5	U	5	EB
Tetrachloroethene	SNL0093285	LWDS-04-BH10	0	19-MAR-94	8240	5	U	5	TB
Tetrachloroethene	SNL0093286	LWDS-04-BH10	0	19-MAR-94	8240	5	U	5	TB
Tetrachloroethene	SNL0093367	LWDS-05-BH13	0	22-MAR-94	8240	5	U	5	EB
Tetrachloroethene	SNL0093375	LWDS-05-BH13	0	22-MAR-94	8240	5	U	5	TB
Tetrachloroethene	SNL0093376	LWDS-05-BH13	0	22-MAR-94	8240	5	U	5	TB
Tetrachloroethene	SNL0093457	LWDS-05-BH12	0	21-MAR-94	8240	5	U	5	EB
Tetrachloroethene	SNL0093465	LWDS-05-BH12	0	21-MAR-94	8240	5	U	5	TB
Tetrachloroethene	SNL0093466	LWDS-05-BH12	0	21-MAR-94	8240	5	U	5	TB
Tetrachloroethene	SNL0093572	LWDS-05-BH11	0	20-MAR-94	8240	5	U	5	TB
Tetrachloroethene	SNL0093573	LWDS-05-BH11	0	20-MAR-94	8240	5	U	5	TB
Tetrachloroethene	SNL0093574	LWDS-05-BH11	0	20-MAR-94	8240	5	U	5	EB
Tetrachloroethene	SNL0093614	LWDS-52-BH16	0	24-MAR-94	8240	5	U	5	EB

Table A-13. Trip blank and equipment blank results for ER Sites 4, 5, and 52.

Analyte	Sample Number	Sample Location	Sample Depth (Ft)	Sample Date	Analytical Method	Amount Detected (mg/L)	Qualifier	Method Detection Limit	Sample Type
Tetrachloroethene	SNL0093622	LWDS-52-BH16	0	24-MAR-94	8240	5	U	5	TB
Tetrachloroethene	SNL0093646	LWDS-05-BH14	0	23-MAR-94	8240	5	U	5	EB
Tetrachloroethene	SNL0093654	LWDS-05-BH14	0	23-MAR-94	8240	5	U	5	TB
Tetrachloroethene	SNL0093655	LWDS-05-BH14	0	23-MAR-94	8240	5	U	5	TB
Tetrachloroethene	SNL0093705	LWDS-52-BH15	0	23-MAR-94	8240	5	U	5	EB
Tetrachloroethene	SNL0094080	LWDS-MW1	0	10-MAR-94	8240	0.005	U	0.005	TB
Tetrachloroethene	SNL0094280	LWDS-MW1	0	31-MAY-94	8260	0.001	U	0.001	TB
Tetrachloroethene	SNL0094281	LWDS-MW1	0	06-JUN-94	8260	0.001	U	0.001	EB
Tetrachloroethene	SNL0094298	LWDS-MW1	0	31-MAY-94	8260	0.001	U	0.001	TB
Tetrachloroethene	SNL0094302	LWDS-MW1	0	31-AUG-94	8260	0.001	U	0.001	EB
Tetrachloroethene	SNL0094317	LWDS-MW1	0	24-AUG-94	8260	0.001	U	0.001	TB
Tetrachloroethene	SNL0094348	LWDS-MW1	0	24-AUG-94	8260	0.005	U	0.005	TB
Tetrachloroethene	SNL0094376	LWDS-MW1	0	07-OCT-94	8010	0.001	U	0.001	EB
Tetrachloroethene	SNL0094377	LWDS-MW1	0	07-OCT-94	8010	0.001	U	0.001	EB
Tetrachloroethene	SNL0094378	LWDS-MW1	0	07-OCT-94	8010	0.001	U	0.001	EB
Tetrachloroethene	SNL0094379	LWDS-MW1	0	07-OCT-94	8010	0.001	U	0.001	TB
Tetrachloroethene	SNL0094386	LWDS-MW1	0	30-NOV-94	8010	0.001	U	0.001	TB
Tetrachloroethene	SNL0094411	LWDS-MW2	0	06-JUN-94	8260	0.001	U	0.001	TB
Tetrachloroethene	SNL0094412	LWDS-MW2	0	30-NOV-94	8010	0.001	U	0.001	TB
Tetrachloroethene	SNL0094413	LWDS-MW2	0	07-DEC-94	8010	0.001	U	0.001	EB
Tetrachloroethene	SNL0094465	LWDS-MW1	0	18-MAR-96	8010	0.5	U	0.5	TB
Tetrachloroethene	SNL0094521	LWDS-MW2	0	21-SEP-95	8260	1	U	1	TB
Tetrachloroethene	SNL0094530	LWDS-MW1	0	25-SEP-95	8260	1	U	1	TB
Tetrachloroethene	SNL0094531	LWDS-MW1	0	25-SEP-95	8260	1	U	1	FB
Tetrachloroethene	SNL0094543	LWDS-MW2	0	14-DEC-95	8260	1	U	1	TB
Tetrachloroethene	SNL0094618	LWDS MW-2	0	27-FEB-95	8240	0.005	U	0.005	TB
Tetrachloroethene	SNL0094619	LWDS MW-2	0	01-MAR-95	8240	0.005	U	0.005	EB
Tetrachloroethene	SNL0094667	LWDS MW-1	0	02-MAR-95	8240	0.005	U	0.005	TB
Tetrachloroethene	SNL0094705	LWDS-MW2	0	12-JUN-95	8010	0.001	U	0.001	TB
Tetrachloroethene	SNL0094748	LWDS-MW2	0	12-JUN-95	8010	0.001	U	0.001	EB
Tetrachloroethene	SNL0094760	LWDS-MW1	0	14-JUN-95	8010	0.001	U	0.001	TB
Tetrachloroethene	SNL0099096	LWDS-MW2	0	24-JUN-93	8240	0.005	U	0.005	EB
Tetrachloroethene	SNL0099097	LWDS-MW2	0	24-JUN-93	8240	0.005	U	0.005	TB
Tetrachloroethene	SNL0099118	LWDS-MW1-DRUM	0	27-DEC-93	624	0.005	U	0.005	TB
Tetrachloroethene	031518-001	LWDS-MW1-TB		12-MAR-96	PA-SW846-80	0.15	U	0.15	TB
Thallium	SNL0091307	LWDS-04-BH01	0	09-AUG-92	7841	0.005	U	0.005	EB
Thallium	SNL0091524	LWDS-04-BH01	0	08-AUG-92	7841	0.005	U	0.005	EB
Thallium	SNL0091533	LWDS-04-BH02	0	10-AUG-92	7841	0.005	U	0.005	EB
Thallium	SNL0091581	LWDS-04-BH02	0	11-AUG-92	7841	0.005	U	0.005	EB
Thallium	SNL0091689	LWDS-04-BH03	0	12-AUG-92	7841	0.005	U	0.005	EB
Thallium	SNL0091740	LWDS-04-BH03	0	13-AUG-92	7841	0.005	U	0.005	EB
Thallium	SNL0091796	LWDS-04-BH04	0	18-AUG-92	7841	0.005	U	0.005	EB
Thallium	SNL0091932	LWDS-04-BH04	0	19-AUG-92	7841	0.01	U	0.01	EB
Thallium	SNL0092183	LWDS-04-BH05	0	20-AUG-92	7841	0.005	U	0.005	EB
Thallium	SNL0092215	LWDS-MW1	0	24-AUG-92	7841	0.005	U	0.005	EB
Thallium	SNL0092223	LWDS-MW1	0	22-AUG-92	7841	0.005	U	0.005	EB
Thallium	SNL0092330	LWDS-MW1	0	23-AUG-92	7841	0.005	U	0.005	EB
Thallium	SNL0092356	LWDS-MW1	0	25-AUG-92	7841	0.005	U	0.005	EB
Thallium	SNL0092379	LWDS-52-BH06	0	05-SEP-92	7841	0.005	U	0.005	EB
Thallium	SNL0092423	LWDS-52-BH08	0	05-SEP-92	7841	0.005	U	0.005	EB
Thallium	SNL0092512	LWDS-52-BH07	0	07-SEP-92	7841	0.005	U	0.005	EB
Thallium	SNL0092537	LWDS-MW2	0	07-SEP-92	7841	0.005	U	0.005	EB
Thallium	SNL0092690	LWDS-52-BH07	0	06-SEP-92	7841	0.005	U	0.005	EB
Thallium	SNL0092800	LWDS-MW2	0	23-SEP-92	7841	0.01	U	0.01	EB
Thallium	SNL0092880	LWDS-MW2	0	08-OCT-92	7841	0.005	U	0.005	EB
Thallium	SNL0093113	LWDS-MW1	0	28-APR-93	7841	0.005	U	0.005	EB
Thallium	SNL0093243	LWDS-04-BH09	0	18-MAR-94	7841	0.005	U	0.005	EB
Thallium	SNL0093281	LWDS-04-BH10	0	19-MAR-94	7841	0.005	U	0.005	EB
Thallium	SNL0093464	LWDS-05-BH12	0	21-MAR-94	7841	0.005	U	0.005	EB
Thallium	SNL0093581	LWDS-05-BH11	0	20-MAR-94	7841	0.005	U	0.005	EB
Thallium	SNL0093621	LWDS-52-BH16	0	24-MAR-94	7841	0.005	U	0.005	EB
Thallium	SNL0093653	LWDS-05-BH14	0	23-MAR-94	7841	0.005	U	0.005	EB
Thallium	SNL0093712	LWDS-52-BH15	0	23-MAR-94	7841	0.005	U	0.005	EB
Thallium	SNL0094031	LWDS-MW2	0	09-MAR-94	7841	0.005	U	0.005	EB
Thallium	SNL0094288	LWDS-MW1	0	06-JUN-94	7841	0.01	U	0.01	EB
Thallium	SNL0094309	LWDS-MW1	0	31-AUG-94	7841	0.01	U	0.01	EB
Thallium	SNL0094416	LWDS-MW2	0	07-DEC-94	6020	0.01	U	0.01	EB
Thallium	SNL0094622	LWDS MW-2	0	01-MAR-95	6020	0.01	U	0.01	EB

Table A-13. Trip blank and equipment blank results for ER Sites 4, 5, and 52.

Analyte	Sample Number	Sample Location	Sample Depth (Ft)	Sample Date	Analytical Method	Amount Detected (mg/L)	Qualifier	Method Detection Limit	Sample Type
Thallium	SNL0094751	LWDS-MW2	0	12-JUN-95	6020	0.01	U	0.01	EB
Thallium	SNL0099072	LWDS-MW2	0	24-JUN-93	7841	0.005	U	0.005	EB
Thallium-201	SNL0094220	LWDS-04-BH09-EB	0	18-MAR-94	GAMMA	0.0959	U	0.0959	EB
Thallium-201	SNL0094223	LWDS-04-BH10-EB	0	19-MAR-94	GAMMA	0.20115	U	0.20115	EB
Thallium-201	SNL0094226	LWDS-05-BH11-EB	0	20-MAR-94	GAMMA	0.0973	U	0.0973	EB
Thallium-201	SNL0094227	LWDS-MW1	0	06-JUN-94	GAMMA	0.122	U	0.122	EB
Thallium-201	SNL0094243	LWDS-MW2	0	07-DEC-94	GAMMA	0.107	U	0.107	EB
Thallium-201	SNL0094247	LWDS-MW1	0	08-DEC-94	GAMMA	0.268	U	0.268	FB
Thallium-208	SNL0091301	LWDS-04-BH01	0	09-AUG-92	GAMMA	23.5	<	23.5	EB
Thallium-208	SNL0091518	LWDS-04-BH01	0	08-AUG-92	GAMMA	31.5	<	31.5	EB
Thallium-208	SNL0091526	LWDS-04-BH02	0	10-AUG-92	GAMMA	26.8	<	26.8	EB
Thallium-208	SNL0091574	LWDS-04-BH02	0	11-AUG-92	GAMMA	25.7	<	25.7	EB
Thallium-208	SNL0091682	LWDS-04-BH03	0	12-AUG-92	GAMMA	26.8	<	26.8	EB
Thallium-208	SNL0091733	LWDS-04-BH03	0	13-AUG-92	GAMMA	26.5	<	26.5	EB
Thallium-208	SNL0091789	LWDS-04-BH04	0	18-AUG-92	GAMMA	22.7	<	22.7	EB
Thallium-208	SNL0091925	LWDS-04-BH04	0	19-AUG-92	GAMMA	25.1	<	25.1	EB
Thallium-208	SNL0092176	LWDS-04-BH05	0	20-AUG-92	GAMMA	25.4	<	25.4	EB
Thallium-208	SNL0092208	LWDS-MW1	0	24-AUG-92	GAMMA	26.4	<	26.4	EB
Thallium-208	SNL0092216	LWDS-MW1	0	22-AUG-92	GAMMA	26.4	<	26.4	EB
Thallium-208	SNL0092323	LWDS-MW1	0	23-AUG-92	GAMMA	13.4	<	13.4	EB
Thallium-208	SNL0092349	LWDS-MW1	0	25-AUG-92	GAMMA	20		100000000	EB
Thallium-208	SNL0092373	LWDS-52-BH06	0	05-SEP-92	GAMMA	9.28	<	9.28	EB
Thallium-208	SNL0092417	LWDS-52-BH08	0	05-SEP-92	GAMMA	12	<	12	EB
Thallium-208	SNL0092506	LWDS-52-BH07	0	07-SEP-92	GAMMA	10.8	<	10.8	EB
Thallium-208	SNL0092538	LWDS-MW2	0	07-SEP-92	GAMMA	15.9	<	15.9	EB
Thallium-208	SNL0092684	LWDS-52-BH07	0	06-SEP-92	GAMMA	13.4	<	13.4	EB
Thallium-208	SNL0092793	LWDS-MW2	0	23-SEP-92	GAMMA	11.9	<	11.9	EB
Thallium-208	SNL0092873	LWDS-MW2	0	08-OCT-92	GAMMA	10.5	<	10.5	EB
Thallium-208	SNL0094220	LWDS-04-BH09-EB	0	18-MAR-94	GAMMA	0.0159	U	0.0159	EB
Thallium-208	SNL0094223	LWDS-04-BH10-EB	0	19-MAR-94	GAMMA	0.0166	U	0.0166	EB
Thallium-208	SNL0094226	LWDS-05-BH11-EB	0	20-MAR-94	GAMMA	0.0148	U	0.0148	EB
Thallium-208	SNL0094227	LWDS-MW1	0	06-JUN-94	GAMMA	0.0124	U	0.0124	EB
Thallium-208	SNL0094243	LWDS-MW2	0	07-DEC-94	GAMMA	0.0329	U	0.0329	EB
Thallium-208	SNL0094247	LWDS-MW1	0	08-DEC-94	GAMMA	0.0343	U	0.0343	FB
Thorium-227	SNL0094220	LWDS-04-BH09-EB	0	18-MAR-94	GAMMA	0.0809	U	0.0809	EB
Thorium-227	SNL0094223	LWDS-04-BH10-EB	0	19-MAR-94	GAMMA	0.096	U	0.096	EB
Thorium-227	SNL0094226	LWDS-05-BH11-EB	0	20-MAR-94	GAMMA	0.0814	U	0.0814	EB
Thorium-227	SNL0094227	LWDS-MW1	0	06-JUN-94	GAMMA	0.0607	U	0.0607	EB
Thorium-227	SNL0094243	LWDS-MW2	0	07-DEC-94	GAMMA	0.0726	U	0.0726	EB
Thorium-227	SNL0094247	LWDS-MW1	0	08-DEC-94	GAMMA	0.0638	U	0.0638	FB
Thorium-228	SNL0094220	LWDS-04-BH09-EB	0	18-MAR-94	GAMMA	0.029	U	0.029	EB
Thorium-228	SNL0094223	LWDS-04-BH10-EB	0	19-MAR-94	GAMMA	0.02736	U	0.02736	EB
Thorium-228	SNL0094226	LWDS-05-BH11-EB	0	20-MAR-94	GAMMA	0.0228	U	0.0228	EB
Thorium-228	SNL0094227	LWDS-MW1	0	06-JUN-94	GAMMA	0.0197	U	0.0197	EB
Thorium-228	SNL0094243	LWDS-MW2	0	07-DEC-94	GAMMA	0.0218	U	0.0218	EB
Thorium-228	SNL0094247	LWDS-MW1	0	08-DEC-94	GAMMA	0.019	U	0.019	FB
Thorium-229	SNL0094220	LWDS-04-BH09-EB	0	18-MAR-94	GAMMA	0.0395	U	0.0395	EB
Thorium-229	SNL0094223	LWDS-04-BH10-EB	0	19-MAR-94	GAMMA	0.04795	U	0.04795	EB
Thorium-229	SNL0094226	LWDS-05-BH11-EB	0	20-MAR-94	GAMMA	0.0442	U	0.0442	EB
Thorium-229	SNL0094227	LWDS-MW1	0	06-JUN-94	GAMMA	0.0331	U	0.0331	EB
Thorium-229	SNL0094243	LWDS-MW2	0	07-DEC-94	GAMMA	0.0392	U	0.0392	EB
Thorium-229	SNL0094247	LWDS-MW1	0	08-DEC-94	GAMMA	0.0324	U	0.0324	FB
Thorium-231	SNL0093766	LWDS-MW1	0	27-APR-93	GAMMA	380	U	380	EB
Thorium-231	SNL0093779	LWDS-MW2	0	24-JUN-93	GAMMA	120	U	120	EB
Thorium-231	SNL0093788	LWDS-MW1	0	03-NOV-93	GAMMA	120	U	120	EB
Thorium-231	SNL0094220	LWDS-04-BH09-EB	0	18-MAR-94	GAMMA	0.205	U	0.205	EB
Thorium-231	SNL0094223	LWDS-04-BH10-EB	0	19-MAR-94	GAMMA	0.18932	U	0.18932	EB
Thorium-231	SNL0094226	LWDS-05-BH11-EB	0	20-MAR-94	GAMMA	0.368		100000000	EB
Thorium-231	SNL0094227	LWDS-MW1	0	06-JUN-94	GAMMA	0.148	U	0.148	EB
Thorium-231	SNL0094243	LWDS-MW2	0	07-DEC-94	GAMMA	0.0959	U	0.0959	EB
Thorium-231	SNL0094247	LWDS-MW1	0	08-DEC-94	GAMMA	0.114	U	0.114	FB
Thorium-231	SNL0094488	LWDS-MW2	0	12-JUN-95	901.1	295		295	EB
Thorium-232	SNL0093766	LWDS-MW1	0	27-APR-93	GAMMA	160	U	160	EB
Thorium-232	SNL0093779	LWDS-MW2	0	24-JUN-93	GAMMA	98	U	98	EB
Thorium-232	SNL0093788	LWDS-MW1	0	03-NOV-93	GAMMA	96	U	96	EB
Thorium-232	SNL0094220	LWDS-04-BH09-EB	0	18-MAR-94	GAMMA	0.0602	U	0.0602	EB
Thorium-232	SNL0094223	LWDS-04-BH10-EB	0	19-MAR-94	GAMMA	0.05851	U	0.05851	EB
Thorium-232	SNL0094226	LWDS-05-BH11-EB	0	20-MAR-94	GAMMA	0.0531	U	0.0531	EB

Table A-13. Trip blank and equipment blank results for ER Sites 4, 5, and 52.

Analyte	Sample Number	Sample Location	Sample Depth (Ft)	Sample Date	Analytical Method	Amount Detected (mg/L)	Qualifier	Method Detection Limit	Sample Type
Thorium-232	SNL0094227	LWDS-MW1	0	06-JUN-94	GAMMA	0.0441	U	0.0441	EB
Thorium-232	SNL0094243	LWDS-MW2	0	07-DEC-94	GAMMA	0.049	U	0.049	EB
Thorium-232	SNL0094247	LWDS-MW1	0	08-DEC-94	GAMMA	0.0396	U	0.0396	FB
Thorium-232	SNL0094488	LWDS-MW2	0	12-JUN-95	901.1	52.1		52.1	EB
Thorium-234	SNL0091301	LWDS-04-BH01	0	09-AUG-92	GAMMA	337	<	337	EB
Thorium-234	SNL0091518	LWDS-04-BH01	0	08-AUG-92	GAMMA	307	<	307	EB
Thorium-234	SNL0091526	LWDS-04-BH02	0	10-AUG-92	GAMMA	287	<	287	EB
Thorium-234	SNL0091574	LWDS-04-BH02	0	11-AUG-92	GAMMA	317	<	317	EB
Thorium-234	SNL0091682	LWDS-04-BH03	0	12-AUG-92	GAMMA	311	<	311	EB
Thorium-234	SNL0091733	LWDS-04-BH03	0	13-AUG-92	GAMMA	309	<	309	EB
Thorium-234	SNL0091789	LWDS-04-BH04	0	18-AUG-92	GAMMA	308	<	308	EB
Thorium-234	SNL0091925	LWDS-04-BH04	0	19-AUG-92	GAMMA	348	<	348	EB
Thorium-234	SNL0092176	LWDS-04-BH05	0	20-AUG-92	GAMMA	340	<	340	EB
Thorium-234	SNL0092208	LWDS-MW1	0	24-AUG-92	GAMMA	311	<	311	EB
Thorium-234	SNL0092216	LWDS-MW1	0	22-AUG-92	GAMMA	334	<	334	EB
Thorium-234	SNL0092323	LWDS-MW1	0	23-AUG-92	GAMMA	147	<	147	EB
Thorium-234	SNL0092349	LWDS-MW1	0	25-AUG-92	GAMMA	152	<	152	EB
Thorium-234	SNL0092373	LWDS-52-BH06	0	05-SEP-92	GAMMA	168	<	168	EB
Thorium-234	SNL0092417	LWDS-52-BH08	0	05-SEP-92	GAMMA	147	<	147	EB
Thorium-234	SNL0092506	LWDS-52-BH07	0	07-SEP-92	GAMMA	156	<	156	EB
Thorium-234	SNL0092538	LWDS-MW2	0	07-SEP-92	GAMMA	186	<	186	EB
Thorium-234	SNL0092684	LWDS-52-BH07	0	06-SEP-92	GAMMA	164	<	164	EB
Thorium-234	SNL0092793	LWDS-MW2	0	23-SEP-92	GAMMA	149	<	149	EB
Thorium-234	SNL0092873	LWDS-MW2	0	08-OCT-92	GAMMA	162	<	162	EB
Thorium-234	SNL0093766	LWDS-MW1	0	27-APR-93	GAMMA	490	U	490	EB
Thorium-234	SNL0093779	LWDS-MW2	0	24-JUN-93	GAMMA	170	U	170	EB
Thorium-234	SNL0093788	LWDS-MW1	0	03-NOV-93	GAMMA	210	U	210	EB
Thorium-234	SNL0094220	LWDS-04-BH09-EB	0	18-MAR-94	GAMMA	0.202	U	0.202	EB
Thorium-234	SNL0094223	LWDS-04-BH10-EB	0	19-MAR-94	GAMMA	0.22284	U	0.22284	EB
Thorium-234	SNL0094226	LWDS-05-BH11-EB	0	20-MAR-94	GAMMA	0.198	U	0.198	EB
Thorium-234	SNL0094227	LWDS-MW1	0	06-JUN-94	GAMMA	0.255	U	0.255	EB
Thorium-234	SNL0094243	LWDS-MW2	0	07-DEC-94	GAMMA	0.132	U	0.132	EB
Thorium-234	SNL0094247	LWDS-MW1	0	08-DEC-94	GAMMA	0.185	U	0.185	FB
Thorium-234	SNL0094488	LWDS-MW2	0	12-JUN-95	901.1	145		145	EB
Tin-113	SNL0094220	LWDS-04-BH09-EB	0	18-MAR-94	GAMMA	0.0152	U	0.0152	EB
Tin-113	SNL0094223	LWDS-04-BH10-EB	0	19-MAR-94	GAMMA	0.01537	U	0.01537	EB
Tin-113	SNL0094226	LWDS-05-BH11-EB	0	20-MAR-94	GAMMA	0.0149	U	0.0149	EB
Tin-113	SNL0094227	LWDS-MW1	0	06-JUN-94	GAMMA	0.0139	U	0.0139	EB
Tin-113	SNL0094243	LWDS-MW2	0	07-DEC-94	GAMMA	0.0107	U	0.0107	EB
Tin-113	SNL0094247	LWDS-MW1	0	08-DEC-94	GAMMA	0.0128	U	0.0128	FB
Toluene	SNL0090027	LWDS-04-BH01	0	08-AUG-92	8240	5	U	5	EB
Toluene	SNL0090029	LWDS-04-BH01	0	08-AUG-92	8240	5	U	5	TB
Toluene	SNL0090030	LWDS-04-BH01	0	09-AUG-92	8240	5	U	5	EB
Toluene	SNL0090032	LWDS-04-BH01	0	09-AUG-92	8240	5	U	5	TB
Toluene	SNL0090053	LWDS-04-BH02	0	10-AUG-92	8240	5	U	5	EB
Toluene	SNL0090055	LWDS-04-BH02	0	10-AUG-92	8240	5	U	5	TB
Toluene	SNL0090162	LWDS-SS	0	16-JUL-92	8240	5	U	5	TB
Toluene	SNL0090163	LWDS-SS	0	16-JUL-92	8240	5	U	5	TB
Toluene	SNL0090416	LWDS-SS	0	16-JUL-92	8240	5	U	5	TB
Toluene	SNL0090595	LWDS-04-BH02	0	11-AUG-92	8240	5	U	5	EB
Toluene	SNL0090597	LWDS-04-BH02	0	11-AUG-92	8240	5	U	5	TB
Toluene	SNL0090622	LWDS-04-BH03	0	12-AUG-92	8240	5	U	5	EB
Toluene	SNL0090624	LWDS-04-BH03	0	12-AUG-92	8240	5	U	5	TB
Toluene	SNL0090737	LWDS-SS	0	17-JUL-92	8240	5	U	5	TB
Toluene	SNL0090934	LWDS-SS	0	17-JUL-92	8240	5	U	5	TB
Toluene	SNL0091118	LWDS-SS	0	20-JUL-92	8240	5	U	5	TB
Toluene	SNL0091157	LWDS-04-BH03	0	13-AUG-92	8240	5	U	5	EB
Toluene	SNL0091171	LWDS-04-BH04	0	18-AUG-92	8240	5	U	5	EB
Toluene	SNL0091174	LWDS-04-BH04	0	18-AUG-92	8240	5	U	5	TB
Toluene	SNL0091191	LWDS-04-BH04	0	19-AUG-92	8240	5	U	5	EB
Toluene	SNL0091193	LWDS-04-BH04	0	19-AUG-92	8240	5	U	5	TB
Toluene	SNL0091242	LWDS-04-BH05	0	20-AUG-92	8240	5	U	5	TB
Toluene	SNL0091256	LWDS-04-BH05	0	20-AUG-92	8240	5	U	5	EB
Toluene	SNL0091257	LWDS-04-BH05	0	20-AUG-92	8240	5	U	5	TB
Toluene	SNL0091272	LWDS-MW1	0	23-AUG-92	8240	5	U	5	EB
Toluene	SNL0091274	LWDS-MW1	0	22-AUG-92	8240	5	U	5	EB
Toluene	SNL0091276	LWDS-MW1	0	22-AUG-92	8240	5	U	5	TB
Toluene	SNL0091291	LWDS-MW1	0	24-AUG-92	8240	5	U	5	EB

Table A-13. Trip blank and equipment blank results for ER Sites 4, 5, and 52.

Analyte	Sample Number	Sample Location	Sample Depth (Ft)	Sample Date	Analytical Method	Amount Detected (mg/L)	Qualifier	Method Detection Limit	Sample Type
Toluene	SNL0091293	LWDS-MW1	0	24-AUG-92	8240	5	U	5	TB
Toluene	SNL0091298	LWDS-MW1	0	25-AUG-92	8240	5	U	5	EB
Toluene	SNL0091300	LWDS-MW1	0	25-AUG-92	8240	5	U	5	TB
Toluene	SNL0091933	LWDS-52-BH06	0	05-SEP-92	8240	5	U	5	EB
Toluene	SNL0091935	LWDS-52-BH06	0	05-SEP-92	8240	5	U	5	TB
Toluene	SNL0091944	LWDS-52-BH08	0	05-SEP-92	8240	5	U	5	EB
Toluene	SNL0092723	LWDS-MW2	0	18-SEP-92	8240	5	U	5	TB
Toluene	SNL0092746	LWDS-MW2	0	21-SEP-92	8240	5	U	5	TB
Toluene	SNL0092791	LWDS-MW2	0	23-SEP-92	8240	5	U	5	EB
Toluene	SNL0092801	LWDS-MW2	0	23-SEP-92	8240	5	U	5	TB
Toluene	SNL0092835	LWDS-MW2	0	24-SEP-92	8240	5	U	5	TB
Toluene	SNL0092847	LWDS-MW2	0	01-OCT-92	8240	5	U	5	TB
Toluene	SNL0092859	LWDS-MW2	0	02-OCT-92	8240	5	U	5	TB
Toluene	SNL0092871	LWDS-MW2	0	08-OCT-92	8240	5	U	5	EB
Toluene	SNL0092881	LWDS-MW2	0	08-OCT-92	8240	5	U	5	TB
Toluene	SNL0092948	LWDS-MW2	0	17-OCT-92	8240	5	U	5	TB
Toluene	SNL0092970	LWDS-MW2	0	21-OCT-92	8240	5	U	5	TB
Toluene	SNL0092989	LWDS-MW1	0	06-APR-93	8240	5	U	5	TB
Toluene	SNL0093002	LWDS-MW1	0	08-APR-93	8240	5	U	5	TB
Toluene	SNL0093003	LWDS-MW1	0	13-APR-93	8240	5	U	5	TB
Toluene	SNL0093013	LWDS-MW1	0	14-APR-93	8240	5	U	5	TB
Toluene	SNL0093035	LWDS-MW1	0	15-APR-93	8240	5	U	5	TB
Toluene	SNL0093045	LWDS-MW1	0	17-APR-93	8240	5	U	5	TB
Toluene	SNL0093082	LWDS-MW1	0	21-APR-93	8240	5	U	5	TB
Toluene	SNL0093092	LWDS-MW1	0	27-APR-93	8240	5	U	5	TB
Toluene	SNL0093105	LWDS-MW1	0	28-APR-93	8240	5	U	5	EB
Toluene	SNL0093114	LWDS-MW1	0	28-APR-93	8240	5	U	5	TB
Toluene	SNL0093124	LWDS-MW1	0	30-APR-93	8240	5	U	5	TB
Toluene	SNL0093135	LWDS-MW1	0	03-MAY-93	8240	5	U	5	TB
Toluene	SNL0093236	LWDS-04-BH09	0	18-MAR-94	8240	5	U	5	EB
Toluene	SNL0093244	LWDS-04-BH09	0	18-MAR-94	8240	5	U	5	TB
Toluene	SNL0093245	LWDS-04-BH09	0	18-MAR-94	8240	5	U	5	TB
Toluene	SNL0093274	LWDS-04-BH10	0	19-MAR-94	8240	5	U	5	EB
Toluene	SNL0093285	LWDS-04-BH10	0	19-MAR-94	8240	5	U	5	TB
Toluene	SNL0093286	LWDS-04-BH10	0	19-MAR-94	8240	5	U	5	TB
Toluene	SNL0093367	LWDS-05-BH13	0	22-MAR-94	8240	5	U	5	EB
Toluene	SNL0093375	LWDS-05-BH13	0	22-MAR-94	8240	5	U	5	TB
Toluene	SNL0093376	LWDS-05-BH13	0	22-MAR-94	8240	5	U	5	TB
Toluene	SNL0093457	LWDS-05-BH12	0	21-MAR-94	8240	5	U	5	EB
Toluene	SNL0093465	LWDS-05-BH12	0	21-MAR-94	8240	5	U	5	TB
Toluene	SNL0093466	LWDS-05-BH12	0	21-MAR-94	8240	5	U	5	TB
Toluene	SNL0093572	LWDS-05-BH11	0	20-MAR-94	8240	1.9	J	5	TB
Toluene	SNL0093573	LWDS-05-BH11	0	20-MAR-94	8240	5	U	5	TB
Toluene	SNL0093574	LWDS-05-BH11	0	20-MAR-94	8240	5	U	5	EB
Toluene	SNL0093614	LWDS-52-BH16	0	24-MAR-94	8240	2.1	J	5	EB
Toluene	SNL0093622	LWDS-52-BH16	0	24-MAR-94	8240	5	U	5	TB
Toluene	SNL0093646	LWDS-05-BH14	0	23-MAR-94	8240	5	U	5	EB
Toluene	SNL0093654	LWDS-05-BH14	0	23-MAR-94	8240	5	U	5	TB
Toluene	SNL0093655	LWDS-05-BH14	0	23-MAR-94	8240	1.9	J	5	TB
Toluene	SNL0093705	LWDS-52-BH15	0	23-MAR-94	8240	5	U	5	EB
Toluene	SNL0094080	LWDS-MW1	0	10-MAR-94	8240	0.005	U	0.005	TB
Toluene	SNL0094280	LWDS-MW1	0	31-MAY-94	8260	0.001	U	0.001	TB
Toluene	SNL0094281	LWDS-MW1	0	06-JUN-94	8260	0.001	U	0.001	EB
Toluene	SNL0094298	LWDS-MW1	0	31-MAY-94	8260	0.001	U	0.001	TB
Toluene	SNL0094302	LWDS-MW1	0	31-AUG-94	8260	0.001	U	0.001	EB
Toluene	SNL0094317	LWDS-MW1	0	24-AUG-94	8260	0.001	U	0.001	TB
Toluene	SNL0094348	LWDS-MW1	0	24-AUG-94	8260	0.005	U	0.005	TB
Toluene	SNL0094411	LWDS-MW2	0	06-JUN-94	8260	0.001	U	0.001	TB
Toluene	SNL0094466	LWDS-MW1	0	18-MAR-96	8020	0.16	J	0.5	TB
Toluene	SNL0094543	LWDS-MW2	0	14-DEC-95	8260	1	U	1	TB
Toluene	SNL0094618	LWDS MW-2	0	27-FEB-95	8240	0.005	U	0.005	TB
Toluene	SNL0094619	LWDS MW-2	0	01-MAR-95	8240	0.001	J	0.005	EB
Toluene	SNL0094667	LWDS MW-1	0	02-MAR-95	8240	0.005	U	0.005	TB
Toluene	SNL0099096	LWDS-MW2	0	24-JUN-93	8240	0.005	U	0.005	EB
Toluene	SNL0099097	LWDS-MW2	0	24-JUN-93	8240	0.005	U	0.005	TB
Toluene	SNL0099118	LWDS-MW1-DRUM	0	27-DEC-93	624	0.005	U	0.005	TB
Toluene	031518-001	LWDS-MW1-TB		12-MAR-96	PA-SW846-80	0.13	J	0.048	TB
ɔro-1,2,2-trifluoroethane,	SNL0094465	LWDS-MW1	0	18-MAR-96	8010	5	U	5	TB

Table A-13. Trip blank and equipment blank results for ER Sites 4, 5, and 52.

Analyte	Sample Number	Sample Location	Sample Depth (Ft)	Sample Date	Analytical Method	Amount Detected (mg/L)	Qualifier	Method Detection Limit	Sample Type
)ro-1,2,2-trifluoroethane,	031518-001	LWDS-MW1-TB		12-MAR-96	PA-SW846-80	0.64	U	0.64	TB
Trichlorobenzene, 1,2,4-	SNL0090028	LWDS-04-BH01	0	08-AUG-92	8270	10	U	10	EB
Trichlorobenzene, 1,2,4-	SNL0090031	LWDS-04-BH01	0	09-AUG-92	8270	10	U	10	EB
Trichlorobenzene, 1,2,4-	SNL0090054	LWDS-04-BH02	0	10-AUG-92	8270	10	U	10	EB
Trichlorobenzene, 1,2,4-	SNL0090596	LWDS-04-BH02	0	11-AUG-92	8270	10	U	10	EB
Trichlorobenzene, 1,2,4-	SNL0090623	LWDS-04-BH03	0	12-AUG-92	8270	10	U	10	EB
Trichlorobenzene, 1,2,4-	SNL0091158	LWDS-04-BH03	0	13-AUG-92	8270	10	U	10	EB
Trichlorobenzene, 1,2,4-	SNL0091172	LWDS-04-BH04	0	18-AUG-92	8270	10	U	10	EB
Trichlorobenzene, 1,2,4-	SNL0091173	LWDS-04-BH04	0	18-AUG-92	8270	11	U	11	EB
Trichlorobenzene, 1,2,4-	SNL0091192	LWDS-04-BH04	0	19-AUG-92	8270	10	U	10	EB
Trichlorobenzene, 1,2,4-	SNL0091255	LWDS-04-BH05	0	20-AUG-92	8270	10	U	10	EB
Trichlorobenzene, 1,2,4-	SNL0091273	LWDS-MW1	0	23-AUG-92	8270	10	U	10	EB
Trichlorobenzene, 1,2,4-	SNL0091275	LWDS-MW1	0	22-AUG-92	8270	10	U	10	EB
Trichlorobenzene, 1,2,4-	SNL0091292	LWDS-MW1	0	24-AUG-92	8270	10	U	10	EB
Trichlorobenzene, 1,2,4-	SNL0091299	LWDS-MW1	0	25-AUG-92	8270	10	U	10	EB
Trichlorobenzene, 1,2,4-	SNL0091934	LWDS-52-BH06	0	05-SEP-92	8270	10	U	10	EB
Trichlorobenzene, 1,2,4-	SNL0091945	LWDS-52-BH08	0	05-SEP-92	8270	10	U	10	EB
Trichlorobenzene, 1,2,4-	SNL0092792	LWDS-MW2	0	23-SEP-92	8270	10	U	10	EB
Trichlorobenzene, 1,2,4-	SNL0092872	LWDS-MW2	0	08-OCT-92	8270	10	U	10	EB
Trichlorobenzene, 1,2,4-	SNL0093106	LWDS-MW1	0	28-APR-93	8270	10	U	10	EB
Trichlorobenzene, 1,2,4-	SNL0093237	LWDS-04-BH09	0	18-MAR-94	8270	10	U	10	EB
Trichlorobenzene, 1,2,4-	SNL0093275	LWDS-04-BH10	0	19-MAR-94	8270	10	U	10	EB
Trichlorobenzene, 1,2,4-	SNL0093368	LWDS-05-BH13	0	22-MAR-94	8270	10	U	10	EB
Trichlorobenzene, 1,2,4-	SNL0093458	LWDS-05-BH12	0	21-MAR-94	8270	10	U	10	EB
Trichlorobenzene, 1,2,4-	SNL0093575	LWDS-05-BH11	0	20-MAR-94	8270	10	U	10	EB
Trichlorobenzene, 1,2,4-	SNL0093615	LWDS-52-BH16	0	24-MAR-94	8270	10	U	10	EB
Trichlorobenzene, 1,2,4-	SNL0093647	LWDS-05-BH14	0	23-MAR-94	8270	10	U	10	EB
Trichlorobenzene, 1,2,4-	SNL0093706	LWDS-52-BH15	0	23-MAR-94	8270	10	U	10	EB
Trichlorobenzene, 1,2,4-	SNL0094017	LWDS-MW2	0	11-MAR-94	8270	0.01	U	0.01	EB
Trichlorobenzene, 1,2,4-	SNL0094282	LWDS-MW1	0	06-JUN-94	8270	0.01	U	0.01	EB
Trichlorobenzene, 1,2,4-	SNL0094303	LWDS-MW1	0	31-AUG-94	8270	0.01	U	0.01	EB
Trichlorobenzene, 1,2,4-	SNL0094414	LWDS-MW2	0	07-DEC-94	8270	0.01	U	0.01	EB
Trichlorobenzene, 1,2,4-	SNL0094620	LWDS MW-2	0	01-MAR-95	8270	0.01	U	0.01	EB
Trichlorobenzene, 1,2,4-	SNL0094749	LWDS-MW2	0	12-JUN-95	8270	0.01	U	0.01	EB
Trichlorobenzene, 1,2,4-	SNL0099100	LWDS-MW2	0	24-JUN-93	8270	0.01	U	0.01	EB
Trichloroethane, 1,1,1-	SNL0090027	LWDS-04-BH01	0	08-AUG-92	8240	5	U	5	EB
Trichloroethane, 1,1,1-	SNL0090029	LWDS-04-BH01	0	08-AUG-92	8240	5	U	5	TB
Trichloroethane, 1,1,1-	SNL0090030	LWDS-04-BH01	0	09-AUG-92	8240	5	U	5	EB
Trichloroethane, 1,1,1-	SNL0090032	LWDS-04-BH01	0	09-AUG-92	8240	5	U	5	TB
Trichloroethane, 1,1,1-	SNL0090053	LWDS-04-BH02	0	10-AUG-92	8240	5	U	5	EB
Trichloroethane, 1,1,1-	SNL0090055	LWDS-04-BH02	0	10-AUG-92	8240	5	U	5	TB
Trichloroethane, 1,1,1-	SNL0090162	LWDS-SS	0	16-JUL-92	8240	5	U	5	TB
Trichloroethane, 1,1,1-	SNL0090163	LWDS-SS	0	16-JUL-92	8240	5	U	5	TB
Trichloroethane, 1,1,1-	SNL0090416	LWDS-SS	0	16-JUL-92	8240	5	U	5	TB
Trichloroethane, 1,1,1-	SNL0090595	LWDS-04-BH02	0	11-AUG-92	8240	5	U	5	EB
Trichloroethane, 1,1,1-	SNL0090597	LWDS-04-BH02	0	11-AUG-92	8240	5	U	5	TB
Trichloroethane, 1,1,1-	SNL0090622	LWDS-04-BH03	0	12-AUG-92	8240	5	U	5	EB
Trichloroethane, 1,1,1-	SNL0090624	LWDS-04-BH03	0	12-AUG-92	8240	5	U	5	TB
Trichloroethane, 1,1,1-	SNL0090737	LWDS-SS	0	17-JUL-92	8240	5	U	5	TB
Trichloroethane, 1,1,1-	SNL0090934	LWDS-SS	0	17-JUL-92	8240	5	U	5	TB
Trichloroethane, 1,1,1-	SNL0091118	LWDS-SS	0	20-JUL-92	8240	5	U	5	TB
Trichloroethane, 1,1,1-	SNL0091157	LWDS-04-BH03	0	13-AUG-92	8240	5	U	5	EB
Trichloroethane, 1,1,1-	SNL0091171	LWDS-04-BH04	0	18-AUG-92	8240	5	U	5	EB
Trichloroethane, 1,1,1-	SNL0091174	LWDS-04-BH04	0	18-AUG-92	8240	5	U	5	TB
Trichloroethane, 1,1,1-	SNL0091191	LWDS-04-BH04	0	19-AUG-92	8240	5	U	5	EB
Trichloroethane, 1,1,1-	SNL0091193	LWDS-04-BH04	0	19-AUG-92	8240	5	U	5	TB
Trichloroethane, 1,1,1-	SNL0091242	LWDS-04-BH05	0	20-AUG-92	8240	5	U	5	TB
Trichloroethane, 1,1,1-	SNL0091256	LWDS-04-BH05	0	20-AUG-92	8240	5	U	5	EB
Trichloroethane, 1,1,1-	SNL0091257	LWDS-04-BH05	0	20-AUG-92	8240	5	U	5	TB
Trichloroethane, 1,1,1-	SNL0091272	LWDS-MW1	0	23-AUG-92	8240	5	U	5	EB
Trichloroethane, 1,1,1-	SNL0091274	LWDS-MW1	0	22-AUG-92	8240	5	U	5	EB
Trichloroethane, 1,1,1-	SNL0091276	LWDS-MW1	0	22-AUG-92	8240	5	U	5	TB
Trichloroethane, 1,1,1-	SNL0091291	LWDS-MW1	0	24-AUG-92	8240	5	U	5	EB
Trichloroethane, 1,1,1-	SNL0091293	LWDS-MW1	0	24-AUG-92	8240	5	U	5	TB
Trichloroethane, 1,1,1-	SNL0091298	LWDS-MW1	0	25-AUG-92	8240	5	U	5	EB
Trichloroethane, 1,1,1-	SNL0091300	LWDS-MW1	0	25-AUG-92	8240	5	U	5	TB
Trichloroethane, 1,1,1-	SNL0091933	LWDS-52-BH06	0	05-SEP-92	8240	5	U	5	EB
Trichloroethane, 1,1,1-	SNL0091935	LWDS-52-BH06	0	05-SEP-92	8240	5	U	5	TB

Table A-13. Trip blank and equipment blank results for ER Sites 4, 5, and 52.

Analyte	Sample Number	Sample Location	Sample Depth (Ft)	Sample Date	Analytical Method	Amount Detected (mg/L)	Qualifier	Method Detection Limit	Sample Type
Trichloroethane, 1,1,1-	SNL0091944	LWDS-52-BH08	0	05-SEP-92	8240	5	U	5	EB
Trichloroethane, 1,1,1-	SNL0092723	LWDS-MW2	0	18-SEP-92	8240	5	U	5	TB
Trichloroethane, 1,1,1-	SNL0092746	LWDS-MW2	0	21-SEP-92	8240	5	U	5	TB
Trichloroethane, 1,1,1-	SNL0092791	LWDS-MW2	0	23-SEP-92	8240	5	U	5	EB
Trichloroethane, 1,1,1-	SNL0092801	LWDS-MW2	0	23-SEP-92	8240	5	U	5	TB
Trichloroethane, 1,1,1-	SNL0092835	LWDS-MW2	0	24-SEP-92	8240	5	U	5	TB
Trichloroethane, 1,1,1-	SNL0092847	LWDS-MW2	0	01-OCT-92	8240	5	U	5	TB
Trichloroethane, 1,1,1-	SNL0092859	LWDS-MW2	0	02-OCT-92	8240	5	U	5	TB
Trichloroethane, 1,1,1-	SNL0092871	LWDS-MW2	0	08-OCT-92	8240	5	U	5	EB
Trichloroethane, 1,1,1-	SNL0092881	LWDS-MW2	0	08-OCT-92	8240	5	U	5	TB
Trichloroethane, 1,1,1-	SNL0092948	LWDS-MW2	0	17-OCT-92	8240	5	U	5	TB
Trichloroethane, 1,1,1-	SNL0092970	LWDS-MW2	0	21-OCT-92	8240	5	U	5	TB
Trichloroethane, 1,1,1-	SNL0092989	LWDS-MW1	0	06-APR-93	8240	5	U	5	TB
Trichloroethane, 1,1,1-	SNL0093002	LWDS-MW1	0	08-APR-93	8240	5	U	5	TB
Trichloroethane, 1,1,1-	SNL0093003	LWDS-MW1	0	13-APR-93	8240	5	U	5	TB
Trichloroethane, 1,1,1-	SNL0093013	LWDS-MW1	0	14-APR-93	8240	5	U	5	TB
Trichloroethane, 1,1,1-	SNL0093035	LWDS-MW1	0	15-APR-93	8240	5	U	5	TB
Trichloroethane, 1,1,1-	SNL0093045	LWDS-MW1	0	17-APR-93	8240	5	U	5	TB
Trichloroethane, 1,1,1-	SNL0093082	LWDS-MW1	0	21-APR-93	8240	5	U	5	TB
Trichloroethane, 1,1,1-	SNL0093092	LWDS-MW1	0	27-APR-93	8240	5	U	5	TB
Trichloroethane, 1,1,1-	SNL0093105	LWDS-MW1	0	28-APR-93	8240	5	U	5	EB
Trichloroethane, 1,1,1-	SNL0093114	LWDS-MW1	0	28-APR-93	8240	5	U	5	TB
Trichloroethane, 1,1,1-	SNL0093124	LWDS-MW1	0	30-APR-93	8240	5	U	5	TB
Trichloroethane, 1,1,1-	SNL0093135	LWDS-MW1	0	03-MAY-93	8240	1	J	5	TB
Trichloroethane, 1,1,1-	SNL0093236	LWDS-04-BH09	0	18-MAR-94	8240	5	U	5	EB
Trichloroethane, 1,1,1-	SNL0093244	LWDS-04-BH09	0	18-MAR-94	8240	5	U	5	TB
Trichloroethane, 1,1,1-	SNL0093245	LWDS-04-BH09	0	18-MAR-94	8240	5	U	5	TB
Trichloroethane, 1,1,1-	SNL0093274	LWDS-04-BH10	0	19-MAR-94	8240	5	U	5	EB
Trichloroethane, 1,1,1-	SNL0093285	LWDS-04-BH10	0	19-MAR-94	8240	5	U	5	TB
Trichloroethane, 1,1,1-	SNL0093286	LWDS-04-BH10	0	19-MAR-94	8240	5	U	5	TB
Trichloroethane, 1,1,1-	SNL0093367	LWDS-05-BH13	0	22-MAR-94	8240	5	U	5	EB
Trichloroethane, 1,1,1-	SNL0093375	LWDS-05-BH13	0	22-MAR-94	8240	5	U	5	TB
Trichloroethane, 1,1,1-	SNL0093376	LWDS-05-BH13	0	22-MAR-94	8240	5	U	5	TB
Trichloroethane, 1,1,1-	SNL0093457	LWDS-05-BH12	0	21-MAR-94	8240	5	U	5	EB
Trichloroethane, 1,1,1-	SNL0093465	LWDS-05-BH12	0	21-MAR-94	8240	5	U	5	TB
Trichloroethane, 1,1,1-	SNL0093466	LWDS-05-BH12	0	21-MAR-94	8240	5	U	5	TB
Trichloroethane, 1,1,1-	SNL0093572	LWDS-05-BH11	0	20-MAR-94	8240	5	U	5	TB
Trichloroethane, 1,1,1-	SNL0093573	LWDS-05-BH11	0	20-MAR-94	8240	5	U	5	TB
Trichloroethane, 1,1,1-	SNL0093574	LWDS-05-BH11	0	20-MAR-94	8240	5	U	5	EB
Trichloroethane, 1,1,1-	SNL0093614	LWDS-52-BH16	0	24-MAR-94	8240	5	U	5	EB
Trichloroethane, 1,1,1-	SNL0093622	LWDS-52-BH16	0	24-MAR-94	8240	5	U	5	TB
Trichloroethane, 1,1,1-	SNL0093646	LWDS-05-BH14	0	23-MAR-94	8240	5	U	5	EB
Trichloroethane, 1,1,1-	SNL0093654	LWDS-05-BH14	0	23-MAR-94	8240	5	U	5	TB
Trichloroethane, 1,1,1-	SNL0093655	LWDS-05-BH14	0	23-MAR-94	8240	5	U	5	TB
Trichloroethane, 1,1,1-	SNL0093705	LWDS-52-BH15	0	23-MAR-94	8240	5	U	5	EB
Trichloroethane, 1,1,1-	SNL0094080	LWDS-MW1	0	10-MAR-94	8240	0.005	U	0.005	TB
Trichloroethane, 1,1,1-	SNL0094280	LWDS-MW1	0	31-MAY-94	8260	0.001	U	0.001	TB
Trichloroethane, 1,1,1-	SNL0094281	LWDS-MW1	0	06-JUN-94	8260	0.001	U	0.001	EB
Trichloroethane, 1,1,1-	SNL0094298	LWDS-MW1	0	31-MAY-94	8260	0.001	U	0.001	TB
Trichloroethane, 1,1,1-	SNL0094302	LWDS-MW1	0	31-AUG-94	8260	0.001	U	0.001	EB
Trichloroethane, 1,1,1-	SNL0094317	LWDS-MW1	0	24-AUG-94	8260	0.001	U	0.001	TB
Trichloroethane, 1,1,1-	SNL0094348	LWDS-MW1	0	24-AUG-94	8260	0.005	U	0.005	TB
Trichloroethane, 1,1,1-	SNL0094376	LWDS-MW1	0	07-OCT-94	8010	0.001	U	0.001	EB
Trichloroethane, 1,1,1-	SNL0094377	LWDS-MW1	0	07-OCT-94	8010	0.001	U	0.001	EB
Trichloroethane, 1,1,1-	SNL0094378	LWDS-MW1	0	07-OCT-94	8010	0.001	U	0.001	EB
Trichloroethane, 1,1,1-	SNL0094379	LWDS-MW1	0	07-OCT-94	8010	0.001	U	0.001	TB
Trichloroethane, 1,1,1-	SNL0094386	LWDS-MW1	0	30-NOV-94	8010	0.001	U	0.001	TB
Trichloroethane, 1,1,1-	SNL0094411	LWDS-MW2	0	06-JUN-94	8260	0.001	U	0.001	TB
Trichloroethane, 1,1,1-	SNL0094412	LWDS-MW2	0	30-NOV-94	8010	0.001	U	0.001	TB
Trichloroethane, 1,1,1-	SNL0094413	LWDS-MW2	0	07-DEC-94	8010	0.001	U	0.001	EB
Trichloroethane, 1,1,1-	SNL0094465	LWDS-MW1	0	18-MAR-96	8010	0.5	U	0.5	TB
Trichloroethane, 1,1,1-	SNL0094521	LWDS-MW2	0	21-SEP-95	8260	1	U	1	TB
Trichloroethane, 1,1,1-	SNL0094530	LWDS-MW1	0	25-SEP-95	8260	1	U	1	TB
Trichloroethane, 1,1,1-	SNL0094531	LWDS-MW1	0	25-SEP-95	8260	1	U	1	FB
Trichloroethane, 1,1,1-	SNL0094543	LWDS-MW2	0	14-DEC-95	8260	1	U	1	TB
Trichloroethane, 1,1,1-	SNL0094618	LWDS MW-2	0	27-FEB-95	8240	0.005	U	0.005	TB
Trichloroethane, 1,1,1-	SNL0094619	LWDS MW-2	0	01-MAR-95	8240	0.005	U	0.005	EB
Trichloroethane, 1,1,1-	SNL0094667	LWDS MW-1	0	02-MAR-95	8240	0.005	U	0.005	TB

Table A-13. Trip blank and equipment blank results for ER Sites 4, 5, and 52.

Analyte	Sample Number	Sample Location	Sample Depth (Ft)	Sample Date	Analytical Method	Amount Detected (mg/L)	Qualifier	Method Detection Limit	Sample Type
Trichloroethane, 1,1,1-	SNL0094705	LWDS-MW2	0	12-JUN-95	8010	0.001	U	0.001	TB
Trichloroethane, 1,1,1-	SNL0094748	LWDS-MW2	0	12-JUN-95	8010	0.001	U	0.001	EB
Trichloroethane, 1,1,1-	SNL0094760	LWDS-MW1	0	14-JUN-95	8010	0.001	U	0.001	TB
Trichloroethane, 1,1,1-	SNL0099096	LWDS-MW2	0	24-JUN-93	8240	0.005	U	0.005	EB
Trichloroethane, 1,1,1-	SNL0099097	LWDS-MW2	0	24-JUN-93	8240	0.005	U	0.005	TB
Trichloroethane, 1,1,1-	SNL0099118	LWDS-MW1-DRUM	0	27-DEC-93	624	0.005	U	0.005	TB
Trichloroethane, 1,1,1-	031518-001	LWDS-MW1-TB		12-MAR-96	PA-SW846-80	0.11	U	0.11	TB
Trichloroethane, 1,1,2-	SNL0090027	LWDS-04-BH01	0	08-AUG-92	8240	5	U	5	EB
Trichloroethane, 1,1,2-	SNL0090029	LWDS-04-BH01	0	08-AUG-92	8240	5	U	5	TB
Trichloroethane, 1,1,2-	SNL0090030	LWDS-04-BH01	0	09-AUG-92	8240	5	U	5	EB
Trichloroethane, 1,1,2-	SNL0090032	LWDS-04-BH01	0	09-AUG-92	8240	5	U	5	TB
Trichloroethane, 1,1,2-	SNL0090053	LWDS-04-BH02	0	10-AUG-92	8240	5	U	5	EB
Trichloroethane, 1,1,2-	SNL0090055	LWDS-04-BH02	0	10-AUG-92	8240	5	U	5	TB
Trichloroethane, 1,1,2-	SNL0090162	LWDS-SS	0	16-JUL-92	8240	5	U	5	TB
Trichloroethane, 1,1,2-	SNL0090163	LWDS-SS	0	16-JUL-92	8240	5	U	5	TB
Trichloroethane, 1,1,2-	SNL0090416	LWDS-SS	0	16-JUL-92	8240	5	U	5	TB
Trichloroethane, 1,1,2-	SNL0090595	LWDS-04-BH02	0	11-AUG-92	8240	5	U	5	EB
Trichloroethane, 1,1,2-	SNL0090597	LWDS-04-BH02	0	11-AUG-92	8240	5	U	5	TB
Trichloroethane, 1,1,2-	SNL0090622	LWDS-04-BH03	0	12-AUG-92	8240	5	U	5	EB
Trichloroethane, 1,1,2-	SNL0090624	LWDS-04-BH03	0	12-AUG-92	8240	5	U	5	TB
Trichloroethane, 1,1,2-	SNL0090737	LWDS-SS	0	17-JUL-92	8240	5	U	5	TB
Trichloroethane, 1,1,2-	SNL0090934	LWDS-SS	0	17-JUL-92	8240	5	U	5	TB
Trichloroethane, 1,1,2-	SNL0091118	LWDS-SS	0	20-JUL-92	8240	5	U	5	TB
Trichloroethane, 1,1,2-	SNL0091157	LWDS-04-BH03	0	13-AUG-92	8240	5	U	5	EB
Trichloroethane, 1,1,2-	SNL0091171	LWDS-04-BH04	0	18-AUG-92	8240	5	U	5	EB
Trichloroethane, 1,1,2-	SNL0091174	LWDS-04-BH04	0	18-AUG-92	8240	5	U	5	TB
Trichloroethane, 1,1,2-	SNL0091191	LWDS-04-BH04	0	19-AUG-92	8240	5	U	5	EB
Trichloroethane, 1,1,2-	SNL0091193	LWDS-04-BH04	0	19-AUG-92	8240	5	U	5	TB
Trichloroethane, 1,1,2-	SNL0091242	LWDS-04-BH05	0	20-AUG-92	8240	5	U	5	TB
Trichloroethane, 1,1,2-	SNL0091256	LWDS-04-BH05	0	20-AUG-92	8240	5	U	5	EB
Trichloroethane, 1,1,2-	SNL0091257	LWDS-04-BH05	0	20-AUG-92	8240	5	U	5	TB
Trichloroethane, 1,1,2-	SNL0091272	LWDS-MW1	0	23-AUG-92	8240	5	U	5	EB
Trichloroethane, 1,1,2-	SNL0091274	LWDS-MW1	0	22-AUG-92	8240	5	U	5	EB
Trichloroethane, 1,1,2-	SNL0091276	LWDS-MW1	0	22-AUG-92	8240	5	U	5	TB
Trichloroethane, 1,1,2-	SNL0091291	LWDS-MW1	0	24-AUG-92	8240	5	U	5	EB
Trichloroethane, 1,1,2-	SNL0091293	LWDS-MW1	0	24-AUG-92	8240	5	U	5	TB
Trichloroethane, 1,1,2-	SNL0091298	LWDS-MW1	0	25-AUG-92	8240	5	U	5	EB
Trichloroethane, 1,1,2-	SNL0091300	LWDS-MW1	0	25-AUG-92	8240	5	U	5	TB
Trichloroethane, 1,1,2-	SNL0091933	LWDS-52-BH06	0	05-SEP-92	8240	5	U	5	EB
Trichloroethane, 1,1,2-	SNL0091935	LWDS-52-BH06	0	05-SEP-92	8240	5	U	5	TB
Trichloroethane, 1,1,2-	SNL0091944	LWDS-52-BH08	0	05-SEP-92	8240	5	U	5	EB
Trichloroethane, 1,1,2-	SNL0092723	LWDS-MW2	0	18-SEP-92	8240	5	U	5	TB
Trichloroethane, 1,1,2-	SNL0092746	LWDS-MW2	0	21-SEP-92	8240	5	U	5	TB
Trichloroethane, 1,1,2-	SNL0092791	LWDS-MW2	0	23-SEP-92	8240	5	U	5	EB
Trichloroethane, 1,1,2-	SNL0092801	LWDS-MW2	0	23-SEP-92	8240	5	U	5	TB
Trichloroethane, 1,1,2-	SNL0092835	LWDS-MW2	0	24-SEP-92	8240	5	U	5	TB
Trichloroethane, 1,1,2-	SNL0092847	LWDS-MW2	0	01-OCT-92	8240	5	U	5	TB
Trichloroethane, 1,1,2-	SNL0092859	LWDS-MW2	0	02-OCT-92	8240	5	U	5	TB
Trichloroethane, 1,1,2-	SNL0092871	LWDS-MW2	0	08-OCT-92	8240	5	U	5	EB
Trichloroethane, 1,1,2-	SNL0092881	LWDS-MW2	0	08-OCT-92	8240	5	U	5	TB
Trichloroethane, 1,1,2-	SNL0092948	LWDS-MW2	0	17-OCT-92	8240	5	U	5	TB
Trichloroethane, 1,1,2-	SNL0092970	LWDS-MW2	0	21-OCT-92	8240	5	U	5	TB
Trichloroethane, 1,1,2-	SNL0092989	LWDS-MW1	0	06-APR-93	8240	5	U	5	TB
Trichloroethane, 1,1,2-	SNL0093002	LWDS-MW1	0	08-APR-93	8240	5	U	5	TB
Trichloroethane, 1,1,2-	SNL0093003	LWDS-MW1	0	13-APR-93	8240	5	U	5	TB
Trichloroethane, 1,1,2-	SNL0093013	LWDS-MW1	0	14-APR-93	8240	5	U	5	TB
Trichloroethane, 1,1,2-	SNL0093035	LWDS-MW1	0	15-APR-93	8240	5	U	5	TB
Trichloroethane, 1,1,2-	SNL0093045	LWDS-MW1	0	17-APR-93	8240	5	U	5	TB
Trichloroethane, 1,1,2-	SNL0093082	LWDS-MW1	0	21-APR-93	8240	5	U	5	TB
Trichloroethane, 1,1,2-	SNL0093092	LWDS-MW1	0	27-APR-93	8240	5	U	5	TB
Trichloroethane, 1,1,2-	SNL0093105	LWDS-MW1	0	28-APR-93	8240	5	U	5	EB
Trichloroethane, 1,1,2-	SNL0093114	LWDS-MW1	0	28-APR-93	8240	5	U	5	TB
Trichloroethane, 1,1,2-	SNL0093124	LWDS-MW1	0	30-APR-93	8240	5	U	5	TB
Trichloroethane, 1,1,2-	SNL0093135	LWDS-MW1	0	03-MAY-93	8240	5	U	5	TB
Trichloroethane, 1,1,2-	SNL0093236	LWDS-04-BH09	0	18-MAR-94	8240	5	U	5	EB
Trichloroethane, 1,1,2-	SNL0093244	LWDS-04-BH09	0	18-MAR-94	8240	5	U	5	TB
Trichloroethane, 1,1,2-	SNL0093245	LWDS-04-BH09	0	18-MAR-94	8240	5	U	5	TB
Trichloroethane, 1,1,2-	SNL0093274	LWDS-04-BH10	0	19-MAR-94	8240	5	U	5	EB

Table A-13. Trip blank and equipment blank results for ER Sites 4, 5, and 52.

Analyte	Sample Number	Sample Location	Sample Depth (Ft)	Sample Date	Analytical Method	Amount Detected (mg/L)	Qualifier	Method Detection Limit	Sample Type
Trichloroethane, 1,1,2-	SNL0093285	LWDS-04-BH10	0	19-MAR-94	8240	5	U	5	TB
Trichloroethane, 1,1,2-	SNL0093286	LWDS-04-BH10	0	19-MAR-94	8240	5	U	5	TB
Trichloroethane, 1,1,2-	SNL0093367	LWDS-05-BH13	0	22-MAR-94	8240	5	U	5	EB
Trichloroethane, 1,1,2-	SNL0093375	LWDS-05-BH13	0	22-MAR-94	8240	5	U	5	TB
Trichloroethane, 1,1,2-	SNL0093376	LWDS-05-BH13	0	22-MAR-94	8240	5	U	5	TB
Trichloroethane, 1,1,2-	SNL0093457	LWDS-05-BH12	0	21-MAR-94	8240	5	U	5	EB
Trichloroethane, 1,1,2-	SNL0093465	LWDS-05-BH12	0	21-MAR-94	8240	5	U	5	TB
Trichloroethane, 1,1,2-	SNL0093466	LWDS-05-BH12	0	21-MAR-94	8240	5	U	5	TB
Trichloroethane, 1,1,2-	SNL0093572	LWDS-05-BH11	0	20-MAR-94	8240	5	U	5	TB
Trichloroethane, 1,1,2-	SNL0093573	LWDS-05-BH11	0	20-MAR-94	8240	5	U	5	TB
Trichloroethane, 1,1,2-	SNL0093574	LWDS-05-BH11	0	20-MAR-94	8240	5	U	5	EB
Trichloroethane, 1,1,2-	SNL0093614	LWDS-52-BH16	0	24-MAR-94	8240	5	U	5	EB
Trichloroethane, 1,1,2-	SNL0093622	LWDS-52-BH16	0	24-MAR-94	8240	5	U	5	TB
Trichloroethane, 1,1,2-	SNL0093646	LWDS-05-BH14	0	23-MAR-94	8240	5	U	5	EB
Trichloroethane, 1,1,2-	SNL0093654	LWDS-05-BH14	0	23-MAR-94	8240	5	U	5	TB
Trichloroethane, 1,1,2-	SNL0093655	LWDS-05-BH14	0	23-MAR-94	8240	5	U	5	TB
Trichloroethane, 1,1,2-	SNL0093705	LWDS-52-BH15	0	23-MAR-94	8240	5	U	5	EB
Trichloroethane, 1,1,2-	SNL0094080	LWDS-MW1	0	10-MAR-94	8240	0.005	U	0.005	TB
Trichloroethane, 1,1,2-	SNL0094280	LWDS-MW1	0	31-MAY-94	8260	0.001	U	0.001	TB
Trichloroethane, 1,1,2-	SNL0094281	LWDS-MW1	0	06-JUN-94	8260	0.001	U	0.001	EB
Trichloroethane, 1,1,2-	SNL0094298	LWDS-MW1	0	31-MAY-94	8260	0.001	U	0.001	TB
Trichloroethane, 1,1,2-	SNL0094302	LWDS-MW1	0	31-AUG-94	8260	0.001	U	0.001	EB
Trichloroethane, 1,1,2-	SNL0094317	LWDS-MW1	0	24-AUG-94	8260	0.001	U	0.001	TB
Trichloroethane, 1,1,2-	SNL0094348	LWDS-MW1	0	24-AUG-94	8260	0.005	U	0.005	TB
Trichloroethane, 1,1,2-	SNL0094376	LWDS-MW1	0	07-OCT-94	8010	0.001	U	0.001	EB
Trichloroethane, 1,1,2-	SNL0094377	LWDS-MW1	0	07-OCT-94	8010	0.001	U	0.001	EB
Trichloroethane, 1,1,2-	SNL0094378	LWDS-MW1	0	07-OCT-94	8010	0.001	U	0.001	EB
Trichloroethane, 1,1,2-	SNL0094379	LWDS-MW1	0	07-OCT-94	8010	0.001	U	0.001	TB
Trichloroethane, 1,1,2-	SNL0094386	LWDS-MW1	0	30-NOV-94	8010	0.001	U	0.001	TB
Trichloroethane, 1,1,2-	SNL0094411	LWDS-MW2	0	06-JUN-94	8260	0.001	U	0.001	TB
Trichloroethane, 1,1,2-	SNL0094412	LWDS-MW2	0	30-NOV-94	8010	0.001	U	0.001	TB
Trichloroethane, 1,1,2-	SNL0094413	LWDS-MW2	0	07-DEC-94	8010	0.001	U	0.001	EB
Trichloroethane, 1,1,2-	SNL0094465	LWDS-MW1	0	18-MAR-96	8010	1	U	1	TB
Trichloroethane, 1,1,2-	SNL0094521	LWDS-MW2	0	21-SEP-95	8260	1	U	1	TB
Trichloroethane, 1,1,2-	SNL0094530	LWDS-MW1	0	25-SEP-95	8260	1	U	1	TB
Trichloroethane, 1,1,2-	SNL0094531	LWDS-MW1	0	25-SEP-95	8260	1	U	1	FB
Trichloroethane, 1,1,2-	SNL0094543	LWDS-MW2	0	14-DEC-95	8260	1	U	1	TB
Trichloroethane, 1,1,2-	SNL0094618	LWDS MW-2	0	27-FEB-95	8240	0.005	U	0.005	TB
Trichloroethane, 1,1,2-	SNL0094619	LWDS MW-2	0	01-MAR-95	8240	0.005	U	0.005	EB
Trichloroethane, 1,1,2-	SNL0094667	LWDS MW-1	0	02-MAR-95	8240	0.005	U	0.005	TB
Trichloroethane, 1,1,2-	SNL0094705	LWDS-MW2	0	12-JUN-95	8010	0.001	U	0.001	TB
Trichloroethane, 1,1,2-	SNL0094748	LWDS-MW2	0	12-JUN-95	8010	0.001	U	0.001	EB
Trichloroethane, 1,1,2-	SNL0094760	LWDS-MW1	0	14-JUN-95	8010	0.001	U	0.001	TB
Trichloroethane, 1,1,2-	SNL0099096	LWDS-MW2	0	24-JUN-93	8240	0.005	U	0.005	EB
Trichloroethane, 1,1,2-	SNL0099097	LWDS-MW2	0	24-JUN-93	8240	0.005	U	0.005	TB
Trichloroethane, 1,1,2-	SNL0099118	LWDS-MW1-DRUM	0	27-DEC-93	624	0.005	U	0.005	TB
Trichloroethane, 1,1,2-	031518-001	LWDS-MW1-TB		12-MAR-96	PA-SW846-80	0.11	U	0.11	TB
Trichloroethene	SNL0090027	LWDS-04-BH01	0	08-AUG-92	8240	5	U	5	EB
Trichloroethene	SNL0090029	LWDS-04-BH01	0	08-AUG-92	8240	5	U	5	TB
Trichloroethene	SNL0090030	LWDS-04-BH01	0	09-AUG-92	8240	5	U	5	EB
Trichloroethene	SNL0090032	LWDS-04-BH01	0	09-AUG-92	8240	5	U	5	TB
Trichloroethene	SNL0090053	LWDS-04-BH02	0	10-AUG-92	8240	5	U	5	EB
Trichloroethene	SNL0090055	LWDS-04-BH02	0	10-AUG-92	8240	5	U	5	TB
Trichloroethene	SNL0090162	LWDS-SS	0	16-JUL-92	8240	5	U	5	TB
Trichloroethene	SNL0090163	LWDS-SS	0	16-JUL-92	8240	5	U	5	TB
Trichloroethene	SNL0090416	LWDS-SS	0	16-JUL-92	8240	5	U	5	TB
Trichloroethene	SNL0090595	LWDS-04-BH02	0	11-AUG-92	8240	5	U	5	EB
Trichloroethene	SNL0090597	LWDS-04-BH02	0	11-AUG-92	8240	5	U	5	TB
Trichloroethene	SNL0090622	LWDS-04-BH03	0	12-AUG-92	8240	5	U	5	EB
Trichloroethene	SNL0090624	LWDS-04-BH03	0	12-AUG-92	8240	5	U	5	TB
Trichloroethene	SNL0090737	LWDS-SS	0	17-JUL-92	8240	5	U	5	TB
Trichloroethene	SNL0090934	LWDS-SS	0	17-JUL-92	8240	5	U	5	TB
Trichloroethene	SNL0091118	LWDS-SS	0	20-JUL-92	8240	5	U	5	TB
Trichloroethene	SNL0091157	LWDS-04-BH03	0	13-AUG-92	8240	5	U	5	EB
Trichloroethene	SNL0091171	LWDS-04-BH04	0	18-AUG-92	8240	5	U	5	EB
Trichloroethene	SNL0091174	LWDS-04-BH04	0	18-AUG-92	8240	5	U	5	TB
Trichloroethene	SNL0091191	LWDS-04-BH04	0	19-AUG-92	8240	5	U	5	EB
Trichloroethene	SNL0091193	LWDS-04-BH04	0	19-AUG-92	8240	5	U	5	TB

Table A-13. Trip blank and equipment blank results for ER Sites 4, 5, and 52.

Analyte	Sample Number	Sample Location	Sample Depth (Ft)	Sample Date	Analytical Method	Amount Detected (mg/L)	Qualifier	Method Detection Limit	Sample Type
Trichloroethene	SNL0091242	LWDS-04-BH05	0	20-AUG-92	8240	5	U	5	TB
Trichloroethene	SNL0091256	LWDS-04-BH05	0	20-AUG-92	8240	5	U	5	EB
Trichloroethene	SNL0091257	LWDS-04-BH05	0	20-AUG-92	8240	5	U	5	TB
Trichloroethene	SNL0091272	LWDS-MW1	0	23-AUG-92	8240	5	U	5	EB
Trichloroethene	SNL0091274	LWDS-MW1	0	22-AUG-92	8240	5	U	5	EB
Trichloroethene	SNL0091276	LWDS-MW1	0	22-AUG-92	8240	5	U	5	TB
Trichloroethene	SNL0091291	LWDS-MW1	0	24-AUG-92	8240	5	U	5	EB
Trichloroethene	SNL0091293	LWDS-MW1	0	24-AUG-92	8240	5	U	5	TB
Trichloroethene	SNL0091298	LWDS-MW1	0	25-AUG-92	8240	5	U	5	EB
Trichloroethene	SNL0091300	LWDS-MW1	0	25-AUG-92	8240	5	U	5	TB
Trichloroethene	SNL0091933	LWDS-52-BH06	0	05-SEP-92	8240	5	U	5	EB
Trichloroethene	SNL0091935	LWDS-52-BH06	0	05-SEP-92	8240	5	U	5	TB
Trichloroethene	SNL0091944	LWDS-52-BH08	0	05-SEP-92	8240	5	U	5	EB
Trichloroethene	SNL0092723	LWDS-MW2	0	18-SEP-92	8240	5	U	5	TB
Trichloroethene	SNL0092746	LWDS-MW2	0	21-SEP-92	8240	5	U	5	TB
Trichloroethene	SNL0092791	LWDS-MW2	0	23-SEP-92	8240	5	U	5	EB
Trichloroethene	SNL0092801	LWDS-MW2	0	23-SEP-92	8240	5	U	5	TB
Trichloroethene	SNL0092835	LWDS-MW2	0	24-SEP-92	8240	5	U	5	TB
Trichloroethene	SNL0092847	LWDS-MW2	0	01-OCT-92	8240	5	U	5	TB
Trichloroethene	SNL0092859	LWDS-MW2	0	02-OCT-92	8240	5	U	5	TB
Trichloroethene	SNL0092871	LWDS-MW2	0	08-OCT-92	8240	5	U	5	EB
Trichloroethene	SNL0092881	LWDS-MW2	0	08-OCT-92	8240	5	U	5	TB
Trichloroethene	SNL0092948	LWDS-MW2	0	17-OCT-92	8240	5	U	5	TB
Trichloroethene	SNL0092970	LWDS-MW2	0	21-OCT-92	8240	5	U	5	TB
Trichloroethene	SNL0092989	LWDS-MW1	0	06-APR-93	8240	5	U	5	TB
Trichloroethene	SNL0093002	LWDS-MW1	0	08-APR-93	8240	5	U	5	TB
Trichloroethene	SNL0093003	LWDS-MW1	0	13-APR-93	8240	5	U	5	TB
Trichloroethene	SNL0093013	LWDS-MW1	0	14-APR-93	8240	5	U	5	TB
Trichloroethene	SNL0093035	LWDS-MW1	0	15-APR-93	8240	5	U	5	TB
Trichloroethene	SNL0093045	LWDS-MW1	0	17-APR-93	8240	5	U	5	TB
Trichloroethene	SNL0093082	LWDS-MW1	0	21-APR-93	8240	5	U	5	TB
Trichloroethene	SNL0093092	LWDS-MW1	0	27-APR-93	8240	5	U	5	TB
Trichloroethene	SNL0093105	LWDS-MW1	0	28-APR-93	8240	5	U	5	EB
Trichloroethene	SNL0093114	LWDS-MW1	0	28-APR-93	8240	5	U	5	TB
Trichloroethene	SNL0093124	LWDS-MW1	0	30-APR-93	8240	5	U	5	TB
Trichloroethene	SNL0093135	LWDS-MW1	0	03-MAY-93	8240	5	U	5	TB
Trichloroethene	SNL0093236	LWDS-04-BH09	0	18-MAR-94	8240	5	U	5	EB
Trichloroethene	SNL0093244	LWDS-04-BH09	0	18-MAR-94	8240	5	U	5	TB
Trichloroethene	SNL0093245	LWDS-04-BH09	0	18-MAR-94	8240	5	U	5	TB
Trichloroethene	SNL0093274	LWDS-04-BH10	0	19-MAR-94	8240	5	U	5	EB
Trichloroethene	SNL0093285	LWDS-04-BH10	0	19-MAR-94	8240	5	U	5	TB
Trichloroethene	SNL0093286	LWDS-04-BH10	0	19-MAR-94	8240	5	U	5	TB
Trichloroethene	SNL0093367	LWDS-05-BH13	0	22-MAR-94	8240	5	U	5	EB
Trichloroethene	SNL0093375	LWDS-05-BH13	0	22-MAR-94	8240	5	U	5	TB
Trichloroethene	SNL0093376	LWDS-05-BH13	0	22-MAR-94	8240	5	U	5	TB
Trichloroethene	SNL0093457	LWDS-05-BH12	0	21-MAR-94	8240	5	U	5	EB
Trichloroethene	SNL0093465	LWDS-05-BH12	0	21-MAR-94	8240	5	U	5	TB
Trichloroethene	SNL0093466	LWDS-05-BH12	0	21-MAR-94	8240	5	U	5	TB
Trichloroethene	SNL0093572	LWDS-05-BH11	0	20-MAR-94	8240	5	U	5	TB
Trichloroethene	SNL0093573	LWDS-05-BH11	0	20-MAR-94	8240	5	U	5	TB
Trichloroethene	SNL0093574	LWDS-05-BH11	0	20-MAR-94	8240	5	U	5	EB
Trichloroethene	SNL0093614	LWDS-52-BH16	0	24-MAR-94	8240	5	U	5	EB
Trichloroethene	SNL0093622	LWDS-52-BH16	0	24-MAR-94	8240	5	U	5	TB
Trichloroethene	SNL0093646	LWDS-05-BH14	0	23-MAR-94	8240	5	U	5	EB
Trichloroethene	SNL0093654	LWDS-05-BH14	0	23-MAR-94	8240	5	U	5	TB
Trichloroethene	SNL0093655	LWDS-05-BH14	0	23-MAR-94	8240	5	U	5	TB
Trichloroethene	SNL0093705	LWDS-52-BH15	0	23-MAR-94	8240	5	U	5	EB
Trichloroethene	SNL0094080	LWDS-MW1	0	10-MAR-94	8240	0.005	U	0.005	TB
Trichloroethene	SNL0094280	LWDS-MW1	0	31-MAY-94	8260	0.001	U	0.001	TB
Trichloroethene	SNL0094281	LWDS-MW1	0	06-JUN-94	8260	0.001	U	0.001	EB
Trichloroethene	SNL0094298	LWDS-MW1	0	31-MAY-94	8260	0.001	U	0.001	TB
Trichloroethene	SNL0094302	LWDS-MW1	0	31-AUG-94	8260	0.003		0.001	EB
Trichloroethene	SNL0094317	LWDS-MW1	0	24-AUG-94	8260	0.003		0.001	TB
Trichloroethene	SNL0094348	LWDS-MW1	0	24-AUG-94	8260	0.005	U	0.005	TB
Trichloroethene	SNL0094376	LWDS-MW1	0	07-OCT-94	8010	0.001	U	0.001	EB
Trichloroethene	SNL0094377	LWDS-MW1	0	07-OCT-94	8010	0.016		0.001	EB
Trichloroethene	SNL0094378	LWDS-MW1	0	07-OCT-94	8010	0.012		0.001	EB
Trichloroethene	SNL0094379	LWDS-MW1	0	07-OCT-94	8010	0.001	U	0.001	TB

Table A-13. Trip blank and equipment blank results for ER Sites 4, 5, and 52.

Analyte	Sample Number	Sample Location	Sample Depth (Ft)	Sample Date	Analytical Method	Amount Detected (mg/L)	Qualifier	Method Detection Limit	Sample Type
Trichloroethene	SNL0094386	LWDS-MW1	0	30-NOV-94	8010	0.001	U	0.001	TB
Trichloroethene	SNL0094411	LWDS-MW2	0	06-JUN-94	8260	0.001	U	0.001	TB
Trichloroethene	SNL0094412	LWDS-MW2	0	30-NOV-94	8010	0.001	U	0.001	TB
Trichloroethene	SNL0094413	LWDS-MW2	0	07-DEC-94	8010	0.001	U	0.001	EB
Trichloroethene	SNL0094465	LWDS-MW1	0	18-MAR-96	8010	0.5	U	0.5	TB
Trichloroethene	SNL0094521	LWDS-MW2	0	21-SEP-95	8260	1	U	1	TB
Trichloroethene	SNL0094530	LWDS-MW1	0	25-SEP-95	8260	1	U	1	TB
Trichloroethene	SNL0094531	LWDS-MW1	0	25-SEP-95	8260	11.3		1	FB
Trichloroethene	SNL0094543	LWDS-MW2	0	14-DEC-95	8260	1	U	1	TB
Trichloroethene	SNL0094618	LWDS MW-2	0	27-FEB-95	8240	0.005	U	0.005	TB
Trichloroethene	SNL0094619	LWDS MW-2	0	01-MAR-95	8240	0.005	U	0.005	EB
Trichloroethene	SNL0094667	LWDS MW-1	0	02-MAR-95	8240	0.005	U	0.005	TB
Trichloroethene	SNL0094705	LWDS-MW2	0	12-JUN-95	8010	0.001	U	0.001	TB
Trichloroethene	SNL0094748	LWDS-MW2	0	12-JUN-95	8010	0.001	U	0.001	EB
Trichloroethene	SNL0094760	LWDS-MW1	0	14-JUN-95	8010	0.001	U	0.001	TB
Trichloroethene	SNL0099096	LWDS-MW2	0	24-JUN-93	8240	0.005	U	0.005	EB
Trichloroethene	SNL0099097	LWDS-MW2	0	24-JUN-93	8240	0.005	U	0.005	TB
Trichloroethene	SNL0099118	LWDS-MW1-DRUM	0	27-DEC-93	624	0.005	U	0.005	TB
Trichloroethene	031518-001	LWDS-MW1-TB		12-MAR-96	PA-SW846-80	0.14	U	0.14	TB
Trichlorofluoromethane	SNL0094376	LWDS-MW1	0	07-OCT-94	8010	0.001	U	0.001	EB
Trichlorofluoromethane	SNL0094377	LWDS-MW1	0	07-OCT-94	8010	0.001	U	0.001	EB
Trichlorofluoromethane	SNL0094378	LWDS-MW1	0	07-OCT-94	8010	0.001	U	0.001	EB
Trichlorofluoromethane	SNL0094379	LWDS-MW1	0	07-OCT-94	8010	0.001	U	0.001	TB
Trichlorofluoromethane	SNL0094386	LWDS-MW1	0	30-NOV-94	8010	0.001	U	0.001	TB
Trichlorofluoromethane	SNL0094412	LWDS-MW2	0	30-NOV-94	8010	0.001	U	0.001	TB
Trichlorofluoromethane	SNL0094413	LWDS-MW2	0	07-DEC-94	8010	0.001	U	0.001	EB
Trichlorofluoromethane	SNL0094521	LWDS-MW2	0	21-SEP-95	8260	1	U	1	TB
Trichlorofluoromethane	SNL0094530	LWDS-MW1	0	25-SEP-95	8260	1	U	1	TB
Trichlorofluoromethane	SNL0094531	LWDS-MW1	0	25-SEP-95	8260	1	U	1	FB
Trichlorofluoromethane	SNL0094543	LWDS-MW2	0	14-DEC-95	8260	1	U	1	TB
Trichlorofluoromethane	SNL0094705	LWDS-MW2	0	12-JUN-95	8010	0.001	U	0.001	TB
Trichlorofluoromethane	SNL0094748	LWDS-MW2	0	12-JUN-95	8010	0.001	U	0.001	EB
Trichlorofluoromethane	SNL0094760	LWDS-MW1	0	14-JUN-95	8010	0.001	U	0.001	TB
Trichlorofluoromethane	SNL0099118	LWDS-MW1-DRUM	0	27-DEC-93	624	0.005	U	0.005	TB
Trichlorophenol, 2,4,5-	SNL0090028	LWDS-04-BH01	0	08-AUG-92	8270	50	U	50	EB
Trichlorophenol, 2,4,5-	SNL0090031	LWDS-04-BH01	0	09-AUG-92	8270	50	U	50	EB
Trichlorophenol, 2,4,5-	SNL0090054	LWDS-04-BH02	0	10-AUG-92	8270	50	U	50	EB
Trichlorophenol, 2,4,5-	SNL0090596	LWDS-04-BH02	0	11-AUG-92	8270	52	U	52	EB
Trichlorophenol, 2,4,5-	SNL0090623	LWDS-04-BH03	0	12-AUG-92	8270	50	U	50	EB
Trichlorophenol, 2,4,5-	SNL0091158	LWDS-04-BH03	0	13-AUG-92	8270	50	U	50	EB
Trichlorophenol, 2,4,5-	SNL0091172	LWDS-04-BH04	0	18-AUG-92	8270	50	U	50	EB
Trichlorophenol, 2,4,5-	SNL0091173	LWDS-04-BH04	0	18-AUG-92	8270	53	U	53	EB
Trichlorophenol, 2,4,5-	SNL0091192	LWDS-04-BH04	0	19-AUG-92	8270	52	U	52	EB
Trichlorophenol, 2,4,5-	SNL0091255	LWDS-04-BH05	0	20-AUG-92	8270	52	U	52	EB
Trichlorophenol, 2,4,5-	SNL0091273	LWDS-MW1	0	23-AUG-92	8270	50	U	50	EB
Trichlorophenol, 2,4,5-	SNL0091275	LWDS-MW1	0	22-AUG-92	8270	50	U	50	EB
Trichlorophenol, 2,4,5-	SNL0091292	LWDS-MW1	0	24-AUG-92	8270	50	U	50	EB
Trichlorophenol, 2,4,5-	SNL0091299	LWDS-MW1	0	25-AUG-92	8270	50	U	50	EB
Trichlorophenol, 2,4,5-	SNL0091934	LWDS-52-BH06	0	05-SEP-92	8270	50	U	50	EB
Trichlorophenol, 2,4,5-	SNL0091945	LWDS-52-BH08	0	05-SEP-92	8270	50	U	50	EB
Trichlorophenol, 2,4,5-	SNL0092792	LWDS-MW2	0	23-SEP-92	8270	50	U	50	EB
Trichlorophenol, 2,4,5-	SNL0092872	LWDS-MW2	0	08-OCT-92	8270	50	U	50	EB
Trichlorophenol, 2,4,5-	SNL0093106	LWDS-MW1	0	28-APR-93	8270	50	U	50	EB
Trichlorophenol, 2,4,5-	SNL0093237	LWDS-04-BH09	0	18-MAR-94	8270	50	U	50	EB
Trichlorophenol, 2,4,5-	SNL0093275	LWDS-04-BH10	0	19-MAR-94	8270	50	U	50	EB
Trichlorophenol, 2,4,5-	SNL0093368	LWDS-05-BH13	0	22-MAR-94	8270	50	U	50	EB
Trichlorophenol, 2,4,5-	SNL0093458	LWDS-05-BH12	0	21-MAR-94	8270	50	U	50	EB
Trichlorophenol, 2,4,5-	SNL0093575	LWDS-05-BH11	0	20-MAR-94	8270	50	U	50	EB
Trichlorophenol, 2,4,5-	SNL0093615	LWDS-52-BH16	0	24-MAR-94	8270	50	U	50	EB
Trichlorophenol, 2,4,5-	SNL0093647	LWDS-05-BH14	0	23-MAR-94	8270	50	U	50	EB
Trichlorophenol, 2,4,5-	SNL0093706	LWDS-52-BH15	0	23-MAR-94	8270	50	U	50	EB
Trichlorophenol, 2,4,5-	SNL0094282	LWDS-MW1	0	06-JUN-94	8270	0.01	U	0.01	EB
Trichlorophenol, 2,4,5-	SNL0094303	LWDS-MW1	0	31-AUG-94	8270	0.01	U	0.01	EB
Trichlorophenol, 2,4,5-	SNL0094414	LWDS-MW2	0	07-DEC-94	8270	0.01	U	0.01	EB
Trichlorophenol, 2,4,5-	SNL0094620	LWDS MW-2	0	01-MAR-95	8270	0.01	U	0.01	EB
Trichlorophenol, 2,4,5-	SNL0094749	LWDS-MW2	0	12-JUN-95	8270	0.01	U	0.01	EB
Trichlorophenol, 2,4,5-	SNL0099100	LWDS-MW2	0	24-JUN-93	8270	0.01	U	0.01	EB
Trichlorophenol, 2,4,6-	SNL0090028	LWDS-04-BH01	0	08-AUG-92	8270	10	U	10	EB

Table A-13. Trip blank and equipment blank results for ER Sites 4, 5, and 52.

Analyte	Sample Number	Sample Location	Sample Depth (Ft)	Sample Date	Analytical Method	Amount Detected (mg/L)	Qualifier	Method Detection Limit	Sample Type
Trichlorophenol, 2,4,6-	SNL0090031	LWDS-04-BH01	0	09-AUG-92	8270	10	U	10	EB
Trichlorophenol, 2,4,6-	SNL0090054	LWDS-04-BH02	0	10-AUG-92	8270	10	U	10	EB
Trichlorophenol, 2,4,6-	SNL0090596	LWDS-04-BH02	0	11-AUG-92	8270	10	U	10	EB
Trichlorophenol, 2,4,6-	SNL0090623	LWDS-04-BH03	0	12-AUG-92	8270	10	U	10	EB
Trichlorophenol, 2,4,6-	SNL0091158	LWDS-04-BH03	0	13-AUG-92	8270	10	U	10	EB
Trichlorophenol, 2,4,6-	SNL0091172	LWDS-04-BH04	0	18-AUG-92	8270	10	U	10	EB
Trichlorophenol, 2,4,6-	SNL0091173	LWDS-04-BH04	0	18-AUG-92	8270	11	U	11	EB
Trichlorophenol, 2,4,6-	SNL0091192	LWDS-04-BH04	0	19-AUG-92	8270	10	U	10	EB
Trichlorophenol, 2,4,6-	SNL0091255	LWDS-04-BH05	0	20-AUG-92	8270	10	U	10	EB
Trichlorophenol, 2,4,6-	SNL0091273	LWDS-MW1	0	23-AUG-92	8270	10	U	10	EB
Trichlorophenol, 2,4,6-	SNL0091275	LWDS-MW1	0	22-AUG-92	8270	10	U	10	EB
Trichlorophenol, 2,4,6-	SNL0091292	LWDS-MW1	0	24-AUG-92	8270	10	U	10	EB
Trichlorophenol, 2,4,6-	SNL0091299	LWDS-MW1	0	25-AUG-92	8270	10	U	10	EB
Trichlorophenol, 2,4,6-	SNL0091934	LWDS-52-BH06	0	05-SEP-92	8270	10	U	10	EB
Trichlorophenol, 2,4,6-	SNL0091945	LWDS-52-BH08	0	05-SEP-92	8270	10	U	10	EB
Trichlorophenol, 2,4,6-	SNL0092792	LWDS-MW2	0	23-SEP-92	8270	10	U	10	EB
Trichlorophenol, 2,4,6-	SNL0092872	LWDS-MW2	0	08-OCT-92	8270	10	U	10	EB
Trichlorophenol, 2,4,6-	SNL0093106	LWDS-MW1	0	28-APR-93	8270	10	U	10	EB
Trichlorophenol, 2,4,6-	SNL0093237	LWDS-04-BH09	0	18-MAR-94	8270	10	U	10	EB
Trichlorophenol, 2,4,6-	SNL0093275	LWDS-04-BH10	0	19-MAR-94	8270	10	U	10	EB
Trichlorophenol, 2,4,6-	SNL0093368	LWDS-05-BH13	0	22-MAR-94	8270	10	U	10	EB
Trichlorophenol, 2,4,6-	SNL0093458	LWDS-05-BH12	0	21-MAR-94	8270	10	U	10	EB
Trichlorophenol, 2,4,6-	SNL0093575	LWDS-05-BH11	0	20-MAR-94	8270	10	U	10	EB
Trichlorophenol, 2,4,6-	SNL0093615	LWDS-52-BH16	0	24-MAR-94	8270	10	U	10	EB
Trichlorophenol, 2,4,6-	SNL0093647	LWDS-05-BH14	0	23-MAR-94	8270	10	U	10	EB
Trichlorophenol, 2,4,6-	SNL0093706	LWDS-52-BH15	0	23-MAR-94	8270	10	U	10	EB
Trichlorophenol, 2,4,6-	SNL0094017	LWDS-MW2	0	11-MAR-94	8270	0.01	U	0.01	EB
Trichlorophenol, 2,4,6-	SNL0094282	LWDS-MW1	0	06-JUN-94	8270	0.01	U	0.01	EB
Trichlorophenol, 2,4,6-	SNL0094303	LWDS-MW1	0	31-AUG-94	8270	0.01	U	0.01	EB
Trichlorophenol, 2,4,6-	SNL0094414	LWDS-MW2	0	07-DEC-94	8270	0.01	U	0.01	EB
Trichlorophenol, 2,4,6-	SNL0094620	LWDS MW-2	0	01-MAR-95	8270	0.01	U	0.01	EB
Trichlorophenol, 2,4,6-	SNL0094749	LWDS-MW2	0	12-JUN-95	8270	0.01	U	0.01	EB
Trichlorophenol, 2,4,6-	SNL0099100	LWDS-MW2	0	24-JUN-93	8270	0.01	U	0.01	EB
Tritium	SNL0091308	LWDS-04-BH01	0	09-AUG-92	EPA H-03	0		100000000	EB
Tritium	SNL0091525	LWDS-04-BH01	0	08-AUG-92	EPA H-03	0		100000000	EB
Tritium	SNL0091527	LWDS-04-BH02	0	10-AUG-92	EPA H-03	200		100000000	EB
Tritium	SNL0091575	LWDS-04-BH02	0	11-AUG-92	EPA H-03	100		100000000	EB
Tritium	SNL0091683	LWDS-04-BH03	0	12-AUG-92	EPA H-03	200		100000000	EB
Tritium	SNL0091734	LWDS-04-BH03	0	13-AUG-92	EPA H-03	-100		100000000	EB
Tritium	SNL0091790	LWDS-04-BH04	0	18-AUG-92	EPA H-03	100		100000000	EB
Tritium	SNL0091926	LWDS-04-BH04	0	19-AUG-92	EPA H-03	0		100000000	EB
Tritium	SNL0092177	LWDS-04-BH05	0	20-AUG-92	EPA H-03	0		100000000	EB
Tritium	SNL0092209	LWDS-MW1	0	24-AUG-92	EPA H-03	0		100000000	EB
Tritium	SNL0092217	LWDS-MW1	0	22-AUG-92	EPA H-03	100		100000000	EB
Tritium	SNL0092324	LWDS-MW1	0	23-AUG-92	EPA H-03	100		100000000	EB
Tritium	SNL0092350	LWDS-MW1	0	25-AUG-92	EPA H-03	200		100000000	EB
Tritium	SNL0092380	LWDS-52-BH06	0	05-SEP-92	EPA H-03	-200		100000000	EB
Tritium	SNL0092424	LWDS-52-BH08	0	05-SEP-92	EPA H-03	-100		100000000	EB
Tritium	SNL0092513	LWDS-52-BH07	0	07-SEP-92	EPA H-03	-200		100000000	EB
Tritium	SNL0092539	LWDS-MW2	0	07-SEP-92	EPA H-03	-100		100000000	EB
Tritium	SNL0092691	LWDS-52-BH07	0	06-SEP-92	EPA H-03	-200		100000000	EB
Tritium	SNL0092794	LWDS-MW2	0	23-SEP-92	EPA H-03	20		100000000	EB
Tritium	SNL0092874	LWDS-MW2	0	08-OCT-92	EPA H-03	-200		100000000	EB
Tritium	SNL0093768	LWDS-MW1	0	27-APR-93	EPA H-01	-200		410	EB
Tritium	SNL0093777	LWDS-MW2	0	24-JUN-93	EPA H-01	-110		370	EB
Tritium	SNL0093791	LWDS-MW1	0	03-NOV-93	EPA H-01	-150		250	EB
Tritium	SNL0093810	LWDS-MW2	0	09-MAR-94	EPA H-01	6.9	U	250	EB
Tritium	SNL0093822	LWDS-MW2	0	09-MAR-94	EPA H-01	98	U	250	FB
Tritium	SNL0093840	LWDS-04-BH10	0	19-MAR-94	EPA H-01	170	B	230	EB
Tritium	SNL0093864	LWDS-04-BH09	0	18-MAR-94	EPA H-01	110	U	240	EB
Tritium	SNL0093878	LWDS-52-BH16	0	24-MAR-94	LSC	69	B	230	EB
Tritium	SNL0093900	LWDS-05-BH13	0	22-MAR-94	LSC	120	U	240	EB
Tritium	SNL0093938	LWDS-05-BH14	0	23-MAR-94	LSC	170	U	230	EB
Tritium	SNL0093940	LWDS-52-BH15	0	23-MAR-94	LSC	76	U	240	EB
Tritium	SNL0093942	LWDS-05-BH11	0	20-MAR-94	LSC	190	U	240	EB
Tritium	SNL0093977	LWDS-05-BH12	0	21-MAR-94	LSC	37	U	230	EB
Tritium	SNL0094235	LWDS-MW1	0	06-JUN-94	906.0	130	U	230	EB
Tritium	SNL0094250	LWDS-MW2	0	07-DEC-94	906.0	88	U	360	EB

Table A-13. Trip blank and equipment blank results for ER Sites 4, 5, and 52.

Analyte	Sample Number	Sample Location	Sample Depth (Ft)	Sample Date	Analytical Method	Amount Detected (mg/L)	Qualifier	Method Detection Limit	Sample Type
Tritium	SNL0094262	LWDS-MW1	0	08-DEC-94	906.0	61	U	240	FB
Tritium	SNL0094486	LWDS-MW2	0	12-JUN-95	906.0	15		175	EB
Tritium	SNL0094503	LWDS MW-1	0	02-MAR-95	GAMMA	200	U	230	FB
Tritium	SNL0094506	LWDS MW-2	0	01-MAR-95	GAMMA	21	U	230	EB
Uranium	SNL0093788	LWDS-MW1	0	03-NOV-93	GAMMA	5.3		0.5	EB
Uranium	SNL0093808	LWDS-MW2	0	09-MAR-94	GAMMA	0.03	U	0.05	EB
Uranium	SNL0093820	LWDS-MW2	0	09-MAR-94	GAMMA	0.03	U	0.05	FB
Uranium-234	SNL0094220	LWDS-04-BH09-EB	0	18-MAR-94	GAMMA	3.88	U	3.88	EB
Uranium-234	SNL0094223	LWDS-04-BH10-EB	0	19-MAR-94	GAMMA	4.2667	U	4.2667	EB
Uranium-234	SNL0094226	LWDS-05-BH11-EB	0	20-MAR-94	GAMMA	3.74	U	3.74	EB
Uranium-234	SNL0094227	LWDS-MW1	0	06-JUN-94	GAMMA	2.85	U	2.85	EB
Uranium-234	SNL0094247	LWDS-MW1	0	08-DEC-94	GAMMA	5.62	U	5.62	FB
Uranium-235	SNL0091301	LWDS-04-BH01	0	09-AUG-92	GAMMA	27.3	<	27.3	EB
Uranium-235	SNL0091518	LWDS-04-BH01	0	08-AUG-92	GAMMA	29.6	<	29.6	EB
Uranium-235	SNL0091526	LWDS-04-BH02	0	10-AUG-92	GAMMA	32.7	<	32.7	EB
Uranium-235	SNL0091574	LWDS-04-BH02	0	11-AUG-92	GAMMA	32.8	<	32.8	EB
Uranium-235	SNL0091682	LWDS-04-BH03	0	12-AUG-92	GAMMA	27.9	<	27.9	EB
Uranium-235	SNL0091733	LWDS-04-BH03	0	13-AUG-92	GAMMA	34.4	<	34.4	EB
Uranium-235	SNL0091789	LWDS-04-BH04	0	18-AUG-92	GAMMA	33.7	<	33.7	EB
Uranium-235	SNL0091925	LWDS-04-BH04	0	19-AUG-92	GAMMA	29.4	<	29.4	EB
Uranium-235	SNL0092176	LWDS-04-BH05	0	20-AUG-92	GAMMA	35	<	35	EB
Uranium-235	SNL0092208	LWDS-MW1	0	24-AUG-92	GAMMA	30.2	<	30.2	EB
Uranium-235	SNL0092216	LWDS-MW1	0	22-AUG-92	GAMMA	31.8	<	31.8	EB
Uranium-235	SNL0092323	LWDS-MW1	0	23-AUG-92	GAMMA	16.8	<	16.8	EB
Uranium-235	SNL0092349	LWDS-MW1	0	25-AUG-92	GAMMA	14.2	<	14.2	EB
Uranium-235	SNL0092373	LWDS-52-BH06	0	05-SEP-92	GAMMA	17.3	<	17.3	EB
Uranium-235	SNL0092417	LWDS-52-BH08	0	05-SEP-92	GAMMA	15.9	<	15.9	EB
Uranium-235	SNL0092506	LWDS-52-BH07	0	07-SEP-92	GAMMA	16.2	<	16.2	EB
Uranium-235	SNL0092538	LWDS-MW2	0	07-SEP-92	GAMMA	17.9	<	17.9	EB
Uranium-235	SNL0092684	LWDS-52-BH07	0	06-SEP-92	GAMMA	13.8	<	13.8	EB
Uranium-235	SNL0092793	LWDS-MW2	0	23-SEP-92	GAMMA	16.2	<	16.2	EB
Uranium-235	SNL0092873	LWDS-MW2	0	08-OCT-92	GAMMA	15.6	<	15.6	EB
Uranium-235	SNL0093767	LWDS-MW1	0	27-APR-93	TU	33	U	33	EB
Uranium-235	SNL0093781	LWDS-MW2	0	24-JUN-93	TU	22	U	22	EB
Uranium-235	SNL0093790	LWDS-MW1	0	03-NOV-93	TU	23	U	23	EB
Uranium-235	SNL0094220	LWDS-04-BH09-EB	0	18-MAR-94	GAMMA	0.0177	U	0.0177	EB
Uranium-235	SNL0094223	LWDS-04-BH10-EB	0	19-MAR-94	GAMMA	0.01976	U	0.01976	EB
Uranium-235	SNL0094226	LWDS-05-BH11-EB	0	20-MAR-94	GAMMA	0.018	U	0.018	EB
Uranium-235	SNL0094227	LWDS-MW1	0	06-JUN-94	GAMMA	0.0146	U	0.0146	EB
Uranium-235	SNL0094243	LWDS-MW2	0	07-DEC-94	GAMMA	0.0165	U	0.0165	EB
Uranium-235	SNL0094247	LWDS-MW1	0	08-DEC-94	GAMMA	0.0143	U	0.0143	FB
Uranium-235	SNL0094488	LWDS-MW2	0	12-JUN-95	901.1	51.5		51.5	EB
Uranium-238	SNL0093767	LWDS-MW1	0	27-APR-93	TU	1200	U	1200	EB
Uranium-238	SNL0093781	LWDS-MW2	0	24-JUN-93	TU	360	U	360	EB
Uranium-238	SNL0093790	LWDS-MW1	0	03-NOV-93	TU	370	U	370	EB
Uranium-238	SNL0094220	LWDS-04-BH09-EB	0	18-MAR-94	GAMMA	0.2	U	0.2	EB
Uranium-238	SNL0094223	LWDS-04-BH10-EB	0	19-MAR-94	GAMMA	0.2328	U	0.2328	EB
Uranium-238	SNL0094226	LWDS-05-BH11-EB	0	20-MAR-94	GAMMA	0.206	U	0.206	EB
Uranium-238	SNL0094227	LWDS-MW1	0	06-JUN-94	GAMMA	0.257	U	0.257	EB
Uranium-238	SNL0094243	LWDS-MW2	0	07-DEC-94	GAMMA	0.131	U	0.131	EB
Uranium-238	SNL0094247	LWDS-MW1	0	08-DEC-94	GAMMA	0.184	U	0.184	FB
Uranium-238	SNL0094488	LWDS-MW2	0	12-JUN-95	901.1	145		145	EB
Vanadium	SNL0091302	LWDS-04-BH01	0	09-AUG-92	6010	0.011		0.01	EB
Vanadium	SNL0091519	LWDS-04-BH01	0	08-AUG-92	6010	0.01	U	0.01	EB
Vanadium	SNL0091528	LWDS-04-BH02	0	10-AUG-92	6010	0.01	U	0.01	EB
Vanadium	SNL0091576	LWDS-04-BH02	0	11-AUG-92	6010	0.01	U	0.01	EB
Vanadium	SNL0091684	LWDS-04-BH03	0	12-AUG-92	6010	0.01	U	0.01	EB
Vanadium	SNL0091735	LWDS-04-BH03	0	13-AUG-92	6010	0.01	U	0.01	EB
Vanadium	SNL0091791	LWDS-04-BH04	0	18-AUG-92	6010	0.01	U	0.01	EB
Vanadium	SNL0091927	LWDS-04-BH04	0	19-AUG-92	6010	0.01	U	0.01	EB
Vanadium	SNL0092178	LWDS-04-BH05	0	20-AUG-92	6010	0.01	U	0.01	EB
Vanadium	SNL0092210	LWDS-MW1	0	24-AUG-92	6010	0.01	U	0.01	EB
Vanadium	SNL0092218	LWDS-MW1	0	22-AUG-92	6010	0.01	U	0.01	EB
Vanadium	SNL0092325	LWDS-MW1	0	23-AUG-92	6010	0.01	U	0.01	EB
Vanadium	SNL0092351	LWDS-MW1	0	25-AUG-92	6010	0.01	U	0.01	EB
Vanadium	SNL0092374	LWDS-52-BH06	0	05-SEP-92	6010	0.01	U	0.01	EB
Vanadium	SNL0092418	LWDS-52-BH08	0	05-SEP-92	6010	0.01	U	0.01	EB
Vanadium	SNL0092507	LWDS-52-BH07	0	07-SEP-92	6010	0.01	U	0.01	EB

Table A-13. Trip blank and equipment blank results for ER Sites 4, 5, and 52.

Analyte	Sample Number	Sample Location	Sample Depth (Ft)	Sample Date	Analytical Method	Amount Detected (mg/L)	Qualifier	Method Detection Limit	Sample Type
Vanadium	SNL0092532	LWDS-MW2	0	07-SEP-92	6010	0.01	U	0.01	EB
Vanadium	SNL0092685	LWDS-52-BH07	0	06-SEP-92	6010	0.01	U	0.01	EB
Vanadium	SNL0092795	LWDS-MW2	0	23-SEP-92	6010	0.053		0.01	EB
Vanadium	SNL0092875	LWDS-MW2	0	08-OCT-92	6010	0.01	U	0.01	EB
Vanadium	SNL0093107	LWDS-MW1	0	28-APR-93	6010	0.01	U	0.01	EB
Vanadium	SNL0093238	LWDS-04-BH09	0	18-MAR-94	6010	0.01	U	0.01	EB
Vanadium	SNL0093276	LWDS-04-BH10	0	19-MAR-94	6010	0.01	U	0.01	EB
Vanadium	SNL0093369	LWDS-05-BH13	0	22-MAR-94	6010	0.01	U	0.01	EB
Vanadium	SNL0093459	LWDS-05-BH12	0	21-MAR-94	6010	0.01	U	0.01	EB
Vanadium	SNL0093576	LWDS-05-BH11	0	20-MAR-94	6010	0.01	U	0.01	EB
Vanadium	SNL0093616	LWDS-52-BH16	0	24-MAR-94	6010	0.01	U	0.01	EB
Vanadium	SNL0093648	LWDS-05-BH14	0	23-MAR-94	6010	0.01	U	0.01	EB
Vanadium	SNL0093707	LWDS-52-BH15	0	23-MAR-94	6010	0.01	U	0.01	EB
Vanadium	SNL0094026	LWDS-MW2	0	09-MAR-94	6010	0.02	U	0.02	EB
Vanadium	SNL0094283	LWDS-MW1	0	06-JUN-94	6010	0.02	U	0.02	EB
Vanadium	SNL0094304	LWDS-MW1	0	31-AUG-94	6010	0.05	U	0.05	EB
Vanadium	SNL0094415	LWDS-MW2	0	07-DEC-94	6010	0.05	U	0.05	EB
Vanadium	SNL0094621	LWDS MW-2	0	01-MAR-95	6010	0.05	U	0.05	EB
Vanadium	SNL0094750	LWDS-MW2	0	12-JUN-95	6010	0.05	U	0.05	EB
Vanadium	SNL0099067	LWDS-MW2	0	24-JUN-93	6010	0.02	U	0.02	EB
Vinyl acetate	SNL0090027	LWDS-04-BH01	0	08-AUG-92	8240	10	U	10	EB
Vinyl acetate	SNL0090029	LWDS-04-BH01	0	08-AUG-92	8240	10	U	10	TB
Vinyl acetate	SNL0090030	LWDS-04-BH01	0	09-AUG-92	8240	10	U	10	EB
Vinyl acetate	SNL0090032	LWDS-04-BH01	0	09-AUG-92	8240	10	U	10	TB
Vinyl acetate	SNL0090053	LWDS-04-BH02	0	10-AUG-92	8240	10	U	10	EB
Vinyl acetate	SNL0090055	LWDS-04-BH02	0	10-AUG-92	8240	10	U	10	TB
Vinyl acetate	SNL0090162	LWDS-SS	0	16-JUL-92	8240	10	U	10	TB
Vinyl acetate	SNL0090163	LWDS-SS	0	16-JUL-92	8240	10	U	10	TB
Vinyl acetate	SNL0090416	LWDS-SS	0	16-JUL-92	8240	10	U	10	TB
Vinyl acetate	SNL0090595	LWDS-04-BH02	0	11-AUG-92	8240	10	U	10	EB
Vinyl acetate	SNL0090597	LWDS-04-BH02	0	11-AUG-92	8240	10	U	10	TB
Vinyl acetate	SNL0090622	LWDS-04-BH03	0	12-AUG-92	8240	10	U	10	EB
Vinyl acetate	SNL0090624	LWDS-04-BH03	0	12-AUG-92	8240	10	U	10	TB
Vinyl acetate	SNL0090737	LWDS-SS	0	17-JUL-92	8240	10	U	10	TB
Vinyl acetate	SNL0090934	LWDS-SS	0	17-JUL-92	8240	10	U	10	TB
Vinyl acetate	SNL0091118	LWDS-SS	0	20-JUL-92	8240	10	U	10	TB
Vinyl acetate	SNL0091157	LWDS-04-BH03	0	13-AUG-92	8240	10	U	10	EB
Vinyl acetate	SNL0091171	LWDS-04-BH04	0	18-AUG-92	8240	10	U	10	EB
Vinyl acetate	SNL0091174	LWDS-04-BH04	0	18-AUG-92	8240	10	U	10	TB
Vinyl acetate	SNL0091191	LWDS-04-BH04	0	19-AUG-92	8240	10	U	10	EB
Vinyl acetate	SNL0091193	LWDS-04-BH04	0	19-AUG-92	8240	10	U	10	TB
Vinyl acetate	SNL0091242	LWDS-04-BH05	0	20-AUG-92	8240	10	U	10	TB
Vinyl acetate	SNL0091256	LWDS-04-BH05	0	20-AUG-92	8240	10	U	10	EB
Vinyl acetate	SNL0091257	LWDS-04-BH05	0	20-AUG-92	8240	10	U	10	TB
Vinyl acetate	SNL0091272	LWDS-MW1	0	23-AUG-92	8240	10	U	10	EB
Vinyl acetate	SNL0091274	LWDS-MW1	0	22-AUG-92	8240	10	U	10	EB
Vinyl acetate	SNL0091276	LWDS-MW1	0	22-AUG-92	8240	10	U	10	TB
Vinyl acetate	SNL0091291	LWDS-MW1	0	24-AUG-92	8240	10	U	10	EB
Vinyl acetate	SNL0091293	LWDS-MW1	0	24-AUG-92	8240	10	U	10	TB
Vinyl acetate	SNL0091298	LWDS-MW1	0	25-AUG-92	8240	10	U	10	EB
Vinyl acetate	SNL0091300	LWDS-MW1	0	25-AUG-92	8240	10	U	10	TB
Vinyl acetate	SNL0091933	LWDS-52-BH06	0	05-SEP-92	8240	10	U	10	EB
Vinyl acetate	SNL0091935	LWDS-52-BH06	0	05-SEP-92	8240	10	U	10	TB
Vinyl acetate	SNL0091944	LWDS-52-BH08	0	05-SEP-92	8240	10	U	10	EB
Vinyl acetate	SNL0092723	LWDS-MW2	0	18-SEP-92	8240	10	U	10	TB
Vinyl acetate	SNL0092746	LWDS-MW2	0	21-SEP-92	8240	10	U	10	TB
Vinyl acetate	SNL0092791	LWDS-MW2	0	23-SEP-92	8240	10	U	10	EB
Vinyl acetate	SNL0092801	LWDS-MW2	0	23-SEP-92	8240	10	U	10	TB
Vinyl acetate	SNL0092835	LWDS-MW2	0	24-SEP-92	8240	10	U	10	TB
Vinyl acetate	SNL0092847	LWDS-MW2	0	01-OCT-92	8240	10	U	10	TB
Vinyl acetate	SNL0092859	LWDS-MW2	0	02-OCT-92	8240	10	U	10	TB
Vinyl acetate	SNL0092871	LWDS-MW2	0	08-OCT-92	8240	10	U	10	EB
Vinyl acetate	SNL0092881	LWDS-MW2	0	08-OCT-92	8240	10	U	10	TB
Vinyl acetate	SNL0092948	LWDS-MW2	0	17-OCT-92	8240	10	U	10	TB
Vinyl acetate	SNL0092970	LWDS-MW2	0	21-OCT-92	8240	10	U	10	TB
Vinyl acetate	SNL0092989	LWDS-MW1	0	06-APR-93	8240	10	U	10	TB
Vinyl acetate	SNL0093002	LWDS-MW1	0	08-APR-93	8240	10	U	10	TB
Vinyl acetate	SNL0093003	LWDS-MW1	0	13-APR-93	8240	10	U	10	TB

Table A-13. Trip blank and equipment blank results for ER Sites 4, 5, and 52.

Analyte	Sample Number	Sample Location	Sample Depth (Ft)	Sample Date	Analytical Method	Amount Detected (mg/L)	Qualifier	Method Detection Limit	Sample Type
Vinyl acetate	SNL0093013	LWDS-MW1	0	14-APR-93	8240	10	U	10	TB
Vinyl acetate	SNL0093035	LWDS-MW1	0	15-APR-93	8240	10	U	10	TB
Vinyl acetate	SNL0093045	LWDS-MW1	0	17-APR-93	8240	10	U	10	TB
Vinyl acetate	SNL0093082	LWDS-MW1	0	21-APR-93	8240	10	U	10	TB
Vinyl acetate	SNL0093092	LWDS-MW1	0	27-APR-93	8240	10	U	10	TB
Vinyl acetate	SNL0093105	LWDS-MW1	0	28-APR-93	8240	10	U	10	EB
Vinyl acetate	SNL0093114	LWDS-MW1	0	28-APR-93	8240	10	U	10	TB
Vinyl acetate	SNL0093124	LWDS-MW1	0	30-APR-93	8240	10	U	10	TB
Vinyl acetate	SNL0093135	LWDS-MW1	0	03-MAY-93	8240	10	U	10	TB
Vinyl acetate	SNL0093236	LWDS-04-BH09	0	18-MAR-94	8240	10	U	10	EB
Vinyl acetate	SNL0093244	LWDS-04-BH09	0	18-MAR-94	8240	10	U	10	TB
Vinyl acetate	SNL0093245	LWDS-04-BH09	0	18-MAR-94	8240	10	U	10	TB
Vinyl acetate	SNL0093274	LWDS-04-BH10	0	19-MAR-94	8240	10	U	10	EB
Vinyl acetate	SNL0093285	LWDS-04-BH10	0	19-MAR-94	8240	10	U	10	TB
Vinyl acetate	SNL0093286	LWDS-04-BH10	0	19-MAR-94	8240	10	U	10	TB
Vinyl acetate	SNL0093367	LWDS-05-BH13	0	22-MAR-94	8240	10	U	10	EB
Vinyl acetate	SNL0093375	LWDS-05-BH13	0	22-MAR-94	8240	10	U	10	TB
Vinyl acetate	SNL0093376	LWDS-05-BH13	0	22-MAR-94	8240	10	U	10	TB
Vinyl acetate	SNL0093457	LWDS-05-BH12	0	21-MAR-94	8240	10	U	10	EB
Vinyl acetate	SNL0093465	LWDS-05-BH12	0	21-MAR-94	8240	10	U	10	TB
Vinyl acetate	SNL0093466	LWDS-05-BH12	0	21-MAR-94	8240	10	U	10	TB
Vinyl acetate	SNL0093572	LWDS-05-BH11	0	20-MAR-94	8240	10	U	10	TB
Vinyl acetate	SNL0093573	LWDS-05-BH11	0	20-MAR-94	8240	10	U	10	TB
Vinyl acetate	SNL0093574	LWDS-05-BH11	0	20-MAR-94	8240	10	U	10	EB
Vinyl acetate	SNL0093614	LWDS-52-BH16	0	24-MAR-94	8240	10	U	10	EB
Vinyl acetate	SNL0093622	LWDS-52-BH16	0	24-MAR-94	8240	10	U	10	TB
Vinyl acetate	SNL0093646	LWDS-05-BH14	0	23-MAR-94	8240	10	U	10	EB
Vinyl acetate	SNL0093654	LWDS-05-BH14	0	23-MAR-94	8240	10	U	10	TB
Vinyl acetate	SNL0093655	LWDS-05-BH14	0	23-MAR-94	8240	10	U	10	TB
Vinyl acetate	SNL0093705	LWDS-52-BH15	0	23-MAR-94	8240	10	U	10	EB
Vinyl acetate	SNL0094080	LWDS-MW1	0	10-MAR-94	8240	0.01	U	0.01	TB
Vinyl acetate	SNL0094280	LWDS-MW1	0	31-MAY-94	8260	0.005	U	0.005	TB
Vinyl acetate	SNL0094281	LWDS-MW1	0	06-JUN-94	8260	0.005	U	0.005	EB
Vinyl acetate	SNL0094298	LWDS-MW1	0	31-MAY-94	8260	0.005	U	0.005	TB
Vinyl acetate	SNL0094302	LWDS-MW1	0	31-AUG-94	8260	0.005	U	0.005	EB
Vinyl acetate	SNL0094317	LWDS-MW1	0	24-AUG-94	8260	0.005	U	0.005	TB
Vinyl acetate	SNL0094348	LWDS-MW1	0	24-AUG-94	8260	0.01	U	0.01	TB
Vinyl acetate	SNL0094411	LWDS-MW2	0	06-JUN-94	8260	0.005	U	0.005	TB
Vinyl acetate	SNL0094618	LWDS MW-2	0	27-FEB-95	8240	0.01	U	0.01	TB
Vinyl acetate	SNL0094619	LWDS MW-2	0	01-MAR-95	8240	0.01	U	0.01	EB
Vinyl acetate	SNL0094667	LWDS MW-1	0	02-MAR-95	8240	0.01	U	0.01	TB
Vinyl acetate	SNL0099096	LWDS-MW2	0	24-JUN-93	8240	0.01	U	0.01	EB
Vinyl acetate	SNL0099097	LWDS-MW2	0	24-JUN-93	8240	0.01	U	0.01	TB
Vinyl chloride	SNL0090027	LWDS-04-BH01	0	08-AUG-92	8240	10	U	10	EB
Vinyl chloride	SNL0090029	LWDS-04-BH01	0	08-AUG-92	8240	10	U	10	TB
Vinyl chloride	SNL0090030	LWDS-04-BH01	0	09-AUG-92	8240	10	U	10	EB
Vinyl chloride	SNL0090032	LWDS-04-BH01	0	09-AUG-92	8240	10	U	10	TB
Vinyl chloride	SNL0090053	LWDS-04-BH02	0	10-AUG-92	8240	10	U	10	EB
Vinyl chloride	SNL0090055	LWDS-04-BH02	0	10-AUG-92	8240	10	U	10	TB
Vinyl chloride	SNL0090162	LWDS-SS	0	16-JUL-92	8240	10	U	10	TB
Vinyl chloride	SNL0090163	LWDS-SS	0	16-JUL-92	8240	10	U	10	TB
Vinyl chloride	SNL0090416	LWDS-SS	0	16-JUL-92	8240	10	U	10	TB
Vinyl chloride	SNL0090595	LWDS-04-BH02	0	11-AUG-92	8240	10	U	10	EB
Vinyl chloride	SNL0090597	LWDS-04-BH02	0	11-AUG-92	8240	10	U	10	TB
Vinyl chloride	SNL0090622	LWDS-04-BH03	0	12-AUG-92	8240	10	U	10	EB
Vinyl chloride	SNL0090624	LWDS-04-BH03	0	12-AUG-92	8240	10	U	10	TB
Vinyl chloride	SNL0090737	LWDS-SS	0	17-JUL-92	8240	10	U	10	TB
Vinyl chloride	SNL0090934	LWDS-SS	0	17-JUL-92	8240	10	U	10	TB
Vinyl chloride	SNL0091118	LWDS-SS	0	20-JUL-92	8240	10	U	10	TB
Vinyl chloride	SNL0091157	LWDS-04-BH03	0	13-AUG-92	8240	10	U	10	EB
Vinyl chloride	SNL0091171	LWDS-04-BH04	0	18-AUG-92	8240	10	U	10	EB
Vinyl chloride	SNL0091174	LWDS-04-BH04	0	18-AUG-92	8240	10	U	10	TB
Vinyl chloride	SNL0091191	LWDS-04-BH04	0	19-AUG-92	8240	10	U	10	EB
Vinyl chloride	SNL0091193	LWDS-04-BH04	0	19-AUG-92	8240	10	U	10	TB
Vinyl chloride	SNL0091242	LWDS-04-BH05	0	20-AUG-92	8240	10	U	10	TB
Vinyl chloride	SNL0091256	LWDS-04-BH05	0	20-AUG-92	8240	10	U	10	EB
Vinyl chloride	SNL0091257	LWDS-04-BH05	0	20-AUG-92	8240	10	U	10	TB
Vinyl chloride	SNL0091272	LWDS-MW1	0	23-AUG-92	8240	10	U	10	EB

Table A-13. Trip blank and equipment blank results for ER Sites 4, 5, and 52.

Analyte	Sample Number	Sample Location	Sample Depth (Ft)	Sample Date	Analytical Method	Amount Detected (mg/L)	Qualifier	Method Detection Limit	Sample Type
Vinyl chloride	SNL0091274	LWDS-MW1	0	22-AUG-92	8240	10	U	10	EB
Vinyl chloride	SNL0091276	LWDS-MW1	0	22-AUG-92	8240	10	U	10	TB
Vinyl chloride	SNL0091291	LWDS-MW1	0	24-AUG-92	8240	10	U	10	EB
Vinyl chloride	SNL0091293	LWDS-MW1	0	24-AUG-92	8240	10	U	10	TB
Vinyl chloride	SNL0091298	LWDS-MW1	0	25-AUG-92	8240	10	U	10	EB
Vinyl chloride	SNL0091300	LWDS-MW1	0	25-AUG-92	8240	10	U	10	TB
Vinyl chloride	SNL0091933	LWDS-52-BH06	0	05-SEP-92	8240	10	U	10	EB
Vinyl chloride	SNL0091935	LWDS-52-BH06	0	05-SEP-92	8240	10	U	10	TB
Vinyl chloride	SNL0091944	LWDS-52-BH08	0	05-SEP-92	8240	10	U	10	EB
Vinyl chloride	SNL0092723	LWDS-MW2	0	18-SEP-92	8240	10	U	10	TB
Vinyl chloride	SNL0092746	LWDS-MW2	0	21-SEP-92	8240	10	U	10	TB
Vinyl chloride	SNL0092791	LWDS-MW2	0	23-SEP-92	8240	10	U	10	EB
Vinyl chloride	SNL0092801	LWDS-MW2	0	23-SEP-92	8240	10	U	10	TB
Vinyl chloride	SNL0092835	LWDS-MW2	0	24-SEP-92	8240	10	U	10	TB
Vinyl chloride	SNL0092847	LWDS-MW2	0	01-OCT-92	8240	10	U	10	TB
Vinyl chloride	SNL0092859	LWDS-MW2	0	02-OCT-92	8240	10	U	10	TB
Vinyl chloride	SNL0092871	LWDS-MW2	0	08-OCT-92	8240	10	U	10	EB
Vinyl chloride	SNL0092881	LWDS-MW2	0	08-OCT-92	8240	10	U	10	TB
Vinyl chloride	SNL0092948	LWDS-MW2	0	17-OCT-92	8240	10	U	10	TB
Vinyl chloride	SNL0092970	LWDS-MW2	0	21-OCT-92	8240	10	U	10	TB
Vinyl chloride	SNL0092989	LWDS-MW1	0	06-APR-93	8240	10	U	10	TB
Vinyl chloride	SNL0093002	LWDS-MW1	0	08-APR-93	8240	10	U	10	TB
Vinyl chloride	SNL0093003	LWDS-MW1	0	13-APR-93	8240	10	U	10	TB
Vinyl chloride	SNL0093013	LWDS-MW1	0	14-APR-93	8240	10	U	10	TB
Vinyl chloride	SNL0093035	LWDS-MW1	0	15-APR-93	8240	10	U	10	TB
Vinyl chloride	SNL0093045	LWDS-MW1	0	17-APR-93	8240	10	U	10	TB
Vinyl chloride	SNL0093082	LWDS-MW1	0	21-APR-93	8240	10	U	10	TB
Vinyl chloride	SNL0093092	LWDS-MW1	0	27-APR-93	8240	10	U	10	TB
Vinyl chloride	SNL0093105	LWDS-MW1	0	28-APR-93	8240	10	U	10	EB
Vinyl chloride	SNL0093114	LWDS-MW1	0	28-APR-93	8240	10	U	10	TB
Vinyl chloride	SNL0093124	LWDS-MW1	0	30-APR-93	8240	10	U	10	TB
Vinyl chloride	SNL0093135	LWDS-MW1	0	03-MAY-93	8240	10	U	10	TB
Vinyl chloride	SNL0093236	LWDS-04-BH09	0	18-MAR-94	8240	10	U	10	EB
Vinyl chloride	SNL0093244	LWDS-04-BH09	0	18-MAR-94	8240	10	U	10	TB
Vinyl chloride	SNL0093245	LWDS-04-BH09	0	18-MAR-94	8240	10	U	10	TB
Vinyl chloride	SNL0093274	LWDS-04-BH10	0	19-MAR-94	8240	10	U	10	EB
Vinyl chloride	SNL0093285	LWDS-04-BH10	0	19-MAR-94	8240	10	U	10	TB
Vinyl chloride	SNL0093286	LWDS-04-BH10	0	19-MAR-94	8240	10	U	10	TB
Vinyl chloride	SNL0093367	LWDS-05-BH13	0	22-MAR-94	8240	10	U	10	EB
Vinyl chloride	SNL0093375	LWDS-05-BH13	0	22-MAR-94	8240	10	U	10	TB
Vinyl chloride	SNL0093376	LWDS-05-BH13	0	22-MAR-94	8240	10	U	10	TB
Vinyl chloride	SNL0093457	LWDS-05-BH12	0	21-MAR-94	8240	10	U	10	EB
Vinyl chloride	SNL0093465	LWDS-05-BH12	0	21-MAR-94	8240	10	U	10	TB
Vinyl chloride	SNL0093466	LWDS-05-BH12	0	21-MAR-94	8240	10	U	10	TB
Vinyl chloride	SNL0093572	LWDS-05-BH11	0	20-MAR-94	8240	10	U	10	TB
Vinyl chloride	SNL0093573	LWDS-05-BH11	0	20-MAR-94	8240	10	U	10	TB
Vinyl chloride	SNL0093574	LWDS-05-BH11	0	20-MAR-94	8240	10	U	10	EB
Vinyl chloride	SNL0093614	LWDS-52-BH16	0	24-MAR-94	8240	10	U	10	EB
Vinyl chloride	SNL0093622	LWDS-52-BH16	0	24-MAR-94	8240	10	U	10	TB
Vinyl chloride	SNL0093646	LWDS-05-BH14	0	23-MAR-94	8240	10	U	10	EB
Vinyl chloride	SNL0093654	LWDS-05-BH14	0	23-MAR-94	8240	10	U	10	TB
Vinyl chloride	SNL0093655	LWDS-05-BH14	0	23-MAR-94	8240	10	U	10	TB
Vinyl chloride	SNL0093705	LWDS-52-BH15	0	23-MAR-94	8240	10	U	10	EB
Vinyl chloride	SNL0094080	LWDS-MW1	0	10-MAR-94	8240	0.01	U	0.01	TB
Vinyl chloride	SNL0094280	LWDS-MW1	0	31-MAY-94	8260	0.001	U	0.001	TB
Vinyl chloride	SNL0094281	LWDS-MW1	0	06-JUN-94	8260	0.001	U	0.001	EB
Vinyl chloride	SNL0094298	LWDS-MW1	0	31-MAY-94	8260	0.001	U	0.001	TB
Vinyl chloride	SNL0094302	LWDS-MW1	0	31-AUG-94	8260	0.001	U	0.001	EB
Vinyl chloride	SNL0094317	LWDS-MW1	0	24-AUG-94	8260	0.001	U	0.001	TB
Vinyl chloride	SNL0094348	LWDS-MW1	0	24-AUG-94	8260	0.01	U	0.01	TB
Vinyl chloride	SNL0094376	LWDS-MW1	0	07-OCT-94	8010	0.001	U	0.001	EB
Vinyl chloride	SNL0094377	LWDS-MW1	0	07-OCT-94	8010	0.001	U	0.001	EB
Vinyl chloride	SNL0094378	LWDS-MW1	0	07-OCT-94	8010	0.001	U	0.001	EB
Vinyl chloride	SNL0094379	LWDS-MW1	0	07-OCT-94	8010	0.001	U	0.001	TB
Vinyl chloride	SNL0094386	LWDS-MW1	0	30-NOV-94	8010	0.001	U	0.001	TB
Vinyl chloride	SNL0094411	LWDS-MW2	0	06-JUN-94	8260	0.001	U	0.001	TB
Vinyl chloride	SNL0094412	LWDS-MW2	0	30-NOV-94	8010	0.001	U	0.001	TB
Vinyl chloride	SNL0094413	LWDS-MW2	0	07-DEC-94	8010	0.001	U	0.001	EB

Table A-13. Trip blank and equipment blank results for ER Sites 4, 5, and 52.

Analyte	Sample Number	Sample Location	Sample Depth (Ft)	Sample Date	Analytical Method	Amount Detected (mg/L)	Qualifier	Method Detection Limit	Sample Type
Vinyl chloride	SNL0094465	LWDS-MW1	0	18-MAR-96	8010	1	U	1	TB
Vinyl chloride	SNL0094521	LWDS-MW2	0	21-SEP-95	8260	1	U	1	TB
Vinyl chloride	SNL0094530	LWDS-MW1	0	25-SEP-95	8260	1	U	1	TB
Vinyl chloride	SNL0094531	LWDS-MW1	0	25-SEP-95	8260	1	U	1	FB
Vinyl chloride	SNL0094543	LWDS-MW2	0	14-DEC-95	8260	1	U	1	TB
Vinyl chloride	SNL0094618	LWDS MW-2	0	27-FEB-95	8240	0.005	U	0.005	TB
Vinyl chloride	SNL0094619	LWDS MW-2	0	01-MAR-95	8240	0.005	U	0.005	EB
Vinyl chloride	SNL0094667	LWDS MW-1	0	02-MAR-95	8240	0.005	U	0.005	TB
Vinyl chloride	SNL0094705	LWDS-MW2	0	12-JUN-95	8010	0.001	U	0.001	TB
Vinyl chloride	SNL0094748	LWDS-MW2	0	12-JUN-95	8010	0.001	U	0.001	EB
Vinyl chloride	SNL0094760	LWDS-MW1	0	14-JUN-95	8010	0.001	U	0.001	TB
Vinyl chloride	SNL0099096	LWDS-MW2	0	24-JUN-93	8240	0.01	U	0.01	EB
Vinyl chloride	SNL0099097	LWDS-MW2	0	24-JUN-93	8240	0.01	U	0.01	TB
Vinyl chloride	SNL0099118	LWDS-MW1-DRUM	0	27-DEC-93	624	0.01	U	0.01	TB
Vinyl chloride	031518-001	LWDS-MW1-TB		12-MAR-96	PA-SW846-80	0.23	U	0.23	TB
Xenon-133,-133M	SNL0091301	LWDS-04-BH01	0	09-AUG-92	GAMMA	158	<	158	EB
Xenon-133,-133M	SNL0091518	LWDS-04-BH01	0	08-AUG-92	GAMMA	162	<	162	EB
Xenon-133,-133M	SNL0091526	LWDS-04-BH02	0	10-AUG-92	GAMMA	196	<	196	EB
Xenon-133,-133M	SNL0091574	LWDS-04-BH02	0	11-AUG-92	GAMMA	170	<	170	EB
Xenon-133,-133M	SNL0091682	LWDS-04-BH03	0	12-AUG-92	GAMMA	157	<	157	EB
Xenon-133,-133M	SNL0091733	LWDS-04-BH03	0	13-AUG-92	GAMMA	142	<	142	EB
Xenon-133,-133M	SNL0091789	LWDS-04-BH04	0	18-AUG-92	GAMMA	170	<	170	EB
Xenon-133,-133M	SNL0091925	LWDS-04-BH04	0	19-AUG-92	GAMMA	99.1	<	99.1	EB
Xenon-133,-133M	SNL0092176	LWDS-04-BH05	0	20-AUG-92	GAMMA	126	<	126	EB
Xenon-133,-133M	SNL0092208	LWDS-MW1	0	24-AUG-92	GAMMA	133	<	133	EB
Xenon-133,-133M	SNL0092216	LWDS-MW1	0	22-AUG-92	GAMMA	146	<	146	EB
Xenon-133,-133M	SNL0092323	LWDS-MW1	0	23-AUG-92	GAMMA	75.5	<	75.5	EB
Xenon-133,-133M	SNL0092349	LWDS-MW1	0	25-AUG-92	GAMMA	80.1	<	80.1	EB
Xenon-133,-133M	SNL0092373	LWDS-52-BH06	0	05-SEP-92	GAMMA	71.5	<	71.5	EB
Xenon-133,-133M	SNL0092417	LWDS-52-BH08	0	05-SEP-92	GAMMA	72.1	<	72.1	EB
Xenon-133,-133M	SNL0092506	LWDS-52-BH07	0	07-SEP-92	GAMMA	82.8	<	82.8	EB
Xenon-133,-133M	SNL0092538	LWDS-MW2	0	07-SEP-92	GAMMA	94.8	<	94.8	EB
Xenon-133,-133M	SNL0092684	LWDS-52-BH07	0	06-SEP-92	GAMMA	78.6	<	78.6	EB
Xenon-133,-133M	SNL0092793	LWDS-MW2	0	23-SEP-92	GAMMA	76.7	<	76.7	EB
Xenon-133,-133M	SNL0092873	LWDS-MW2	0	08-OCT-92	GAMMA	89.4	<	89.4	EB
Xenon-133,-133M	SNL0094220	LWDS-04-BH09-EB	0	18-MAR-94	GAMMA	0.0458	U	0.0458	EB
Xenon-133,-133M	SNL0094223	LWDS-04-BH10-EB	0	19-MAR-94	GAMMA	0.06803	U	0.06803	EB
Xenon-133,-133M	SNL0094226	LWDS-05-BH11-EB	0	20-MAR-94	GAMMA	0.0448	U	0.0448	EB
Xenon-133,-133M	SNL0094227	LWDS-MW1	0	06-JUN-94	GAMMA	0.0448	U	0.0448	EB
Xenon-133,-133M	SNL0094243	LWDS-MW2	0	07-DEC-94	GAMMA	0.0257	U	0.0257	EB
Xenon-133,-133M	SNL0094247	LWDS-MW1	0	08-DEC-94	GAMMA	0.0579	U	0.0579	FB
Xylene	SNL0094466	LWDS-MW1	0	18-MAR-96	8020	0.5	U	0.5	TB
Xylene	SNL0094543	LWDS-MW2	0	14-DEC-95	8260	1	U	1	TB
Xylene	SNL0094618	LWDS MW-2	0	27-FEB-95	8240	0.005	U	0.005	TB
Xylene	SNL0094619	LWDS MW-2	0	01-MAR-95	8240	0.005	U	0.005	EB
Xylene	SNL0094667	LWDS MW-1	0	02-MAR-95	8240	0.005	U	0.005	TB
Xylene	031518-001	LWDS-MW1-TB		12-MAR-96	PA-SW846-80	0.15	U	0.15	TB
Xylene, o-	SNL0094543	LWDS-MW2	0	14-DEC-95	8260	1	U	1	TB
Xylenes, total	SNL0090027	LWDS-04-BH01	0	08-AUG-92	8240	5	U	5	EB
Xylenes, total	SNL0090029	LWDS-04-BH01	0	08-AUG-92	8240	5	U	5	TB
Xylenes, total	SNL0090030	LWDS-04-BH01	0	09-AUG-92	8240	5	U	5	EB
Xylenes, total	SNL0090032	LWDS-04-BH01	0	09-AUG-92	8240	5	U	5	TB
Xylenes, total	SNL0090053	LWDS-04-BH02	0	10-AUG-92	8240	5	U	5	EB
Xylenes, total	SNL0090055	LWDS-04-BH02	0	10-AUG-92	8240	5	U	5	TB
Xylenes, total	SNL0090162	LWDS-SS	0	16-JUL-92	8240	5	U	5	TB
Xylenes, total	SNL0090163	LWDS-SS	0	16-JUL-92	8240	5	U	5	TB
Xylenes, total	SNL0090416	LWDS-SS	0	16-JUL-92	8240	5	U	5	TB
Xylenes, total	SNL0090595	LWDS-04-BH02	0	11-AUG-92	8240	5	U	5	EB
Xylenes, total	SNL0090597	LWDS-04-BH02	0	11-AUG-92	8240	5	U	5	TB
Xylenes, total	SNL0090622	LWDS-04-BH03	0	12-AUG-92	8240	5	U	5	EB
Xylenes, total	SNL0090624	LWDS-04-BH03	0	12-AUG-92	8240	5	U	5	TB
Xylenes, total	SNL0090737	LWDS-SS	0	17-JUL-92	8240	5	U	5	TB
Xylenes, total	SNL0090934	LWDS-SS	0	17-JUL-92	8240	5	U	5	TB
Xylenes, total	SNL0091118	LWDS-SS	0	20-JUL-92	8240	5	U	5	TB
Xylenes, total	SNL0091157	LWDS-04-BH03	0	13-AUG-92	8240	5	U	5	EB
Xylenes, total	SNL0091171	LWDS-04-BH04	0	18-AUG-92	8240	5	U	5	EB
Xylenes, total	SNL0091174	LWDS-04-BH04	0	18-AUG-92	8240	5	U	5	TB
Xylenes, total	SNL0091191	LWDS-04-BH04	0	19-AUG-92	8240	5	U	5	EB

Table A-13. Trip blank and equipment blank results for ER Sites 4, 5, and 52.

Analyte	Sample Number	Sample Location	Sample Depth (Ft)	Sample Date	Analytical Method	Amount Detected (mg/L)	Qualifier	Method Detection Limit	Sample Type
Xylenes, total	SNL0091193	LWDS-04-BH04	0	19-AUG-92	8240	5	U	5	TB
Xylenes, total	SNL0091242	LWDS-04-BH05	0	20-AUG-92	8240	5	U	5	TB
Xylenes, total	SNL0091256	LWDS-04-BH05	0	20-AUG-92	8240	5	U	5	EB
Xylenes, total	SNL0091257	LWDS-04-BH05	0	20-AUG-92	8240	5	U	5	TB
Xylenes, total	SNL0091272	LWDS-MW1	0	23-AUG-92	8240	5	U	5	EB
Xylenes, total	SNL0091274	LWDS-MW1	0	22-AUG-92	8240	5	U	5	EB
Xylenes, total	SNL0091276	LWDS-MW1	0	22-AUG-92	8240	5	U	5	TB
Xylenes, total	SNL0091291	LWDS-MW1	0	24-AUG-92	8240	5	U	5	EB
Xylenes, total	SNL0091293	LWDS-MW1	0	24-AUG-92	8240	5	U	5	TB
Xylenes, total	SNL0091298	LWDS-MW1	0	25-AUG-92	8240	5	U	5	EB
Xylenes, total	SNL0091300	LWDS-MW1	0	25-AUG-92	8240	5	U	5	TB
Xylenes, total	SNL0091933	LWDS-52-BH06	0	05-SEP-92	8240	5	U	5	EB
Xylenes, total	SNL0091935	LWDS-52-BH06	0	05-SEP-92	8240	5	U	5	TB
Xylenes, total	SNL0091944	LWDS-52-BH08	0	05-SEP-92	8240	5	U	5	EB
Xylenes, total	SNL0092723	LWDS-MW2	0	18-SEP-92	8240	5	U	5	TB
Xylenes, total	SNL0092746	LWDS-MW2	0	21-SEP-92	8240	5	U	5	TB
Xylenes, total	SNL0092791	LWDS-MW2	0	23-SEP-92	8240	5	U	5	EB
Xylenes, total	SNL0092801	LWDS-MW2	0	23-SEP-92	8240	5	U	5	TB
Xylenes, total	SNL0092835	LWDS-MW2	0	24-SEP-92	8240	5	U	5	TB
Xylenes, total	SNL0092847	LWDS-MW2	0	01-OCT-92	8240	5	U	5	TB
Xylenes, total	SNL0092859	LWDS-MW2	0	02-OCT-92	8240	5	U	5	TB
Xylenes, total	SNL0092871	LWDS-MW2	0	08-OCT-92	8240	5	U	5	EB
Xylenes, total	SNL0092881	LWDS-MW2	0	08-OCT-92	8240	5	U	5	TB
Xylenes, total	SNL0092948	LWDS-MW2	0	17-OCT-92	8240	5	U	5	TB
Xylenes, total	SNL0092970	LWDS-MW2	0	21-OCT-92	8240	5	U	5	TB
Xylenes, total	SNL0092989	LWDS-MW1	0	06-APR-93	8240	5	U	5	TB
Xylenes, total	SNL0093002	LWDS-MW1	0	08-APR-93	8240	5	U	5	TB
Xylenes, total	SNL0093003	LWDS-MW1	0	13-APR-93	8240	5	U	5	TB
Xylenes, total	SNL0093013	LWDS-MW1	0	14-APR-93	8240	5	U	5	TB
Xylenes, total	SNL0093035	LWDS-MW1	0	15-APR-93	8240	5	U	5	TB
Xylenes, total	SNL0093045	LWDS-MW1	0	17-APR-93	8240	5	U	5	TB
Xylenes, total	SNL0093082	LWDS-MW1	0	21-APR-93	8240	5	U	5	TB
Xylenes, total	SNL0093092	LWDS-MW1	0	27-APR-93	8240	5	U	5	TB
Xylenes, total	SNL0093105	LWDS-MW1	0	28-APR-93	8240	5	U	5	EB
Xylenes, total	SNL0093114	LWDS-MW1	0	28-APR-93	8240	5	U	5	TB
Xylenes, total	SNL0093124	LWDS-MW1	0	30-APR-93	8240	5	U	5	TB
Xylenes, total	SNL0093135	LWDS-MW1	0	03-MAY-93	8240	5	U	5	TB
Xylenes, total	SNL0093236	LWDS-04-BH09	0	18-MAR-94	8240	5	U	5	EB
Xylenes, total	SNL0093244	LWDS-04-BH09	0	18-MAR-94	8240	5	U	5	TB
Xylenes, total	SNL0093245	LWDS-04-BH09	0	18-MAR-94	8240	5	U	5	TB
Xylenes, total	SNL0093274	LWDS-04-BH10	0	19-MAR-94	8240	5	U	5	EB
Xylenes, total	SNL0093285	LWDS-04-BH10	0	19-MAR-94	8240	5	U	5	TB
Xylenes, total	SNL0093286	LWDS-04-BH10	0	19-MAR-94	8240	5	U	5	TB
Xylenes, total	SNL0093367	LWDS-05-BH13	0	22-MAR-94	8240	5	U	5	EB
Xylenes, total	SNL0093375	LWDS-05-BH13	0	22-MAR-94	8240	5	U	5	TB
Xylenes, total	SNL0093376	LWDS-05-BH13	0	22-MAR-94	8240	5	U	5	TB
Xylenes, total	SNL0093457	LWDS-05-BH12	0	21-MAR-94	8240	5	U	5	EB
Xylenes, total	SNL0093465	LWDS-05-BH12	0	21-MAR-94	8240	5	U	5	TB
Xylenes, total	SNL0093466	LWDS-05-BH12	0	21-MAR-94	8240	5	U	5	TB
Xylenes, total	SNL0093572	LWDS-05-BH11	0	20-MAR-94	8240	5	U	5	TB
Xylenes, total	SNL0093573	LWDS-05-BH11	0	20-MAR-94	8240	5	U	5	TB
Xylenes, total	SNL0093574	LWDS-05-BH11	0	20-MAR-94	8240	5	U	5	EB
Xylenes, total	SNL0093614	LWDS-52-BH16	0	24-MAR-94	8240	5	U	5	EB
Xylenes, total	SNL0093622	LWDS-52-BH16	0	24-MAR-94	8240	5	U	5	TB
Xylenes, total	SNL0093646	LWDS-05-BH14	0	23-MAR-94	8240	5	U	5	EB
Xylenes, total	SNL0093654	LWDS-05-BH14	0	23-MAR-94	8240	5	U	5	TB
Xylenes, total	SNL0093655	LWDS-05-BH14	0	23-MAR-94	8240	5	U	5	TB
Xylenes, total	SNL0093705	LWDS-52-BH15	0	23-MAR-94	8240	5	U	5	EB
Xylenes, total	SNL0094080	LWDS-MW1	0	10-MAR-94	8240	0.005	U	0.005	TB
Xylenes, total	SNL0094280	LWDS-MW1	0	31-MAY-94	8260	0.001	U	0.001	TB
Xylenes, total	SNL0094281	LWDS-MW1	0	06-JUN-94	8260	0.001	U	0.001	EB
Xylenes, total	SNL0094298	LWDS-MW1	0	31-MAY-94	8260	0.001	U	0.001	TB
Xylenes, total	SNL0094302	LWDS-MW1	0	31-AUG-94	8260	0.001	U	0.001	EB
Xylenes, total	SNL0094317	LWDS-MW1	0	24-AUG-94	8260	0.001	U	0.001	TB
Xylenes, total	SNL0094348	LWDS-MW1	0	24-AUG-94	8260	0.005	U	0.005	TB
Xylenes, total	SNL0094411	LWDS-MW2	0	06-JUN-94	8260	0.001	U	0.001	TB
Xylenes, total	SNL0099096	LWDS-MW2	0	24-JUN-93	8240	0.005	U	0.005	EB
Xylenes, total	SNL0099097	LWDS-MW2	0	24-JUN-93	8240	0.005	U	0.005	TB

Table A-13. Trip blank and equipment blank results for ER Sites 4, 5, and 52.

Analyte	Sample Number	Sample Location	Sample Depth (Ft)	Sample Date	Analytical Method	Amount Detected (mg/L)	Qualifier	Method Detection Limit	Sample Type
Yttrium-88	SNL0094220	LWDS-04-BH09-EB	0	18-MAR-94	GAMMA	0.013	U	0.013	EB
Yttrium-88	SNL0094223	LWDS-04-BH10-EB	0	19-MAR-94	GAMMA	0.01432	U	0.01432	EB
Yttrium-88	SNL0094226	LWDS-05-BH11-EB	0	20-MAR-94	GAMMA	0.0151	U	0.0151	EB
Yttrium-88	SNL0094227	LWDS-MW1	0	06-JUN-94	GAMMA	0.0116	U	0.0116	EB
Yttrium-88	SNL0094243	LWDS-MW2	0	07-DEC-94	GAMMA	0.0104	U	0.0104	EB
Yttrium-88	SNL0094247	LWDS-MW1	0	08-DEC-94	GAMMA	0.0117	U	0.0117	FB
Zinc	SNL0091302	LWDS-04-BH01	0	09-AUG-92	6010	0.051		0.02	EB
Zinc	SNL0091519	LWDS-04-BH01	0	08-AUG-92	6010	0.053		0.02	EB
Zinc	SNL0091528	LWDS-04-BH02	0	10-AUG-92	6010	0.028		0.02	EB
Zinc	SNL0091576	LWDS-04-BH02	0	11-AUG-92	6010	0.02	U	0.02	EB
Zinc	SNL0091684	LWDS-04-BH03	0	12-AUG-92	6010	0.02	U	0.02	EB
Zinc	SNL0091735	LWDS-04-BH03	0	13-AUG-92	6010	0.02	U	0.02	EB
Zinc	SNL0091791	LWDS-04-BH04	0	18-AUG-92	6010	0.023		0.02	EB
Zinc	SNL0091927	LWDS-04-BH04	0	19-AUG-92	6010	0.02	U	0.02	EB
Zinc	SNL0092178	LWDS-04-BH05	0	20-AUG-92	6010	0.06		0.02	EB
Zinc	SNL0092210	LWDS-MW1	0	24-AUG-92	6010	0.27		0.02	EB
Zinc	SNL0092218	LWDS-MW1	0	22-AUG-92	6010	0.06		0.02	EB
Zinc	SNL0092325	LWDS-MW1	0	23-AUG-92	6010	0.43		0.02	EB
Zinc	SNL0092351	LWDS-MW1	0	25-AUG-92	6010	0.047		0.02	EB
Zinc	SNL0092374	LWDS-52-BH06	0	05-SEP-92	6010	0.059		0.02	EB
Zinc	SNL0092418	LWDS-52-BH08	0	05-SEP-92	6010	0.19		0.02	EB
Zinc	SNL0092507	LWDS-52-BH07	0	07-SEP-92	6010	0.063		0.02	EB
Zinc	SNL0092532	LWDS-MW2	0	07-SEP-92	6010	0.061		0.02	EB
Zinc	SNL0092685	LWDS-52-BH07	0	06-SEP-92	6010	0.031		0.02	EB
Zinc	SNL0092795	LWDS-MW2	0	23-SEP-92	6010	0.11		0.02	EB
Zinc	SNL0092875	LWDS-MW2	0	08-OCT-92	6010	0.02	U	0.02	EB
Zinc	SNL0093107	LWDS-MW1	0	28-APR-93	6010	0.017	J	0.02	EB
Zinc	SNL0093238	LWDS-04-BH09	0	18-MAR-94	6010	0.008	J	0.02	EB
Zinc	SNL0093276	LWDS-04-BH10	0	19-MAR-94	6010	0.011	J	0.02	EB
Zinc	SNL0093369	LWDS-05-BH13	0	22-MAR-94	6010	0.0089	J	0.02	EB
Zinc	SNL0093459	LWDS-05-BH12	0	21-MAR-94	6010	0.0069	J	0.02	EB
Zinc	SNL0093576	LWDS-05-BH11	0	20-MAR-94	6010	0.0064	J	0.02	EB
Zinc	SNL0093616	LWDS-52-BH16	0	24-MAR-94	6010	0.0073	J	0.02	EB
Zinc	SNL0093648	LWDS-05-BH14	0	23-MAR-94	6010	0.0073	J	0.02	EB
Zinc	SNL0093707	LWDS-52-BH15	0	23-MAR-94	6010	0.017	J	0.02	EB
Zinc	SNL0094026	LWDS-MW2	0	09-MAR-94	6010	0.02	U	0.02	EB
Zinc	SNL0094283	LWDS-MW1	0	06-JUN-94	6010	0.02	U	0.02	EB
Zinc	SNL0094304	LWDS-MW1	0	31-AUG-94	6010	0.02	U	0.02	EB
Zinc	SNL0094415	LWDS-MW2	0	07-DEC-94	6010	0.02	U	0.02	EB
Zinc	SNL0094621	LWDS MW-2	0	01-MAR-95	6010	0.02	U	0.02	EB
Zinc	SNL0094750	LWDS-MW2	0	12-JUN-95	6010	0.02	U	0.02	EB
Zinc	SNL0099067	LWDS-MW2	0	24-JUN-93	6010	0.02	U	0.02	EB
Zinc-65	SNL0091301	LWDS-04-BH01	0	09-AUG-92	GAMMA	37.8	<	37.8	EB
Zinc-65	SNL0091518	LWDS-04-BH01	0	08-AUG-92	GAMMA	63.1	<	63.1	EB
Zinc-65	SNL0091526	LWDS-04-BH02	0	10-AUG-92	GAMMA	40.8	<	40.8	EB
Zinc-65	SNL0091574	LWDS-04-BH02	0	11-AUG-92	GAMMA	21.6	<	21.6	EB
Zinc-65	SNL0091682	LWDS-04-BH03	0	12-AUG-92	GAMMA	22.5	<	22.5	EB
Zinc-65	SNL0091733	LWDS-04-BH03	0	13-AUG-92	GAMMA	65.4	<	65.4	EB
Zinc-65	SNL0091789	LWDS-04-BH04	0	18-AUG-92	GAMMA	30.1	<	30.1	EB
Zinc-65	SNL0091925	LWDS-04-BH04	0	19-AUG-92	GAMMA	33	<	33	EB
Zinc-65	SNL0092176	LWDS-04-BH05	0	20-AUG-92	GAMMA	42.6	<	42.6	EB
Zinc-65	SNL0092208	LWDS-MW1	0	24-AUG-92	GAMMA	48.1	<	48.1	EB
Zinc-65	SNL0092216	LWDS-MW1	0	22-AUG-92	GAMMA	35.2	<	35.2	EB
Zinc-65	SNL0092323	LWDS-MW1	0	23-AUG-92	GAMMA	18.7	<	18.7	EB
Zinc-65	SNL0092349	LWDS-MW1	0	25-AUG-92	GAMMA	30.6	<	30.6	EB
Zinc-65	SNL0092373	LWDS-52-BH06	0	05-SEP-92	GAMMA	12.1	<	12.1	EB
Zinc-65	SNL0092417	LWDS-52-BH08	0	05-SEP-92	GAMMA	29.6	<	29.6	EB
Zinc-65	SNL0092506	LWDS-52-BH07	0	07-SEP-92	GAMMA	15.3	<	15.3	EB
Zinc-65	SNL0092538	LWDS-MW2	0	07-SEP-92	GAMMA	35.8	<	35.8	EB
Zinc-65	SNL0092684	LWDS-52-BH07	0	06-SEP-92	GAMMA	24.1	<	24.1	EB
Zinc-65	SNL0092793	LWDS-MW2	0	23-SEP-92	GAMMA	29.6	<	29.6	EB
Zinc-65	SNL0092873	LWDS-MW2	0	08-OCT-92	GAMMA	28.9	<	28.9	EB
Zinc-65	SNL0094220	LWDS-04-BH09-EB	0	18-MAR-94	GAMMA	0.0199	U	0.0199	EB
Zinc-65	SNL0094223	LWDS-04-BH10-EB	0	19-MAR-94	GAMMA	0.0302	U	0.0302	EB
Zinc-65	SNL0094226	LWDS-05-BH11-EB	0	20-MAR-94	GAMMA	0.0199	U	0.0199	EB
Zinc-65	SNL0094227	LWDS-MW1	0	06-JUN-94	GAMMA	0.0227	U	0.0227	EB
Zinc-65	SNL0094243	LWDS-MW2	0	07-DEC-94	GAMMA	0.0188	U	0.0188	EB
Zinc-65	SNL0094247	LWDS-MW1	0	08-DEC-94	GAMMA	0.0155	U	0.0155	FB

Table A-13. Trip blank and equipment blank results for ER Sites 4, 5, and 52.

Analyte	Sample Number	Sample Location	Sample Depth (Ft)	Sample Date	Analytical Method	Amount Detected (mg/L)	Qualifier	Method Detection Limit	Sample Type
Zirconium-95	SNL0091301	LWDS-04-BH01	0	09-AUG-92	GAMMA	23.1	<	23.1	EB
Zirconium-95	SNL0091518	LWDS-04-BH01	0	08-AUG-92	GAMMA	38.4	<	38.4	EB
Zirconium-95	SNL0091526	LWDS-04-BH02	0	10-AUG-92	GAMMA	28	<	28	EB
Zirconium-95	SNL0091574	LWDS-04-BH02	0	11-AUG-92	GAMMA	38.5	<	38.5	EB
Zirconium-95	SNL0091682	LWDS-04-BH03	0	12-AUG-92	GAMMA	41	<	41	EB
Zirconium-95	SNL0091733	LWDS-04-BH03	0	13-AUG-92	GAMMA	25.1	<	25.1	EB
Zirconium-95	SNL0091789	LWDS-04-BH04	0	18-AUG-92	GAMMA	33.4	<	33.4	EB
Zirconium-95	SNL0091925	LWDS-04-BH04	0	19-AUG-92	GAMMA	29.1	<	29.1	EB
Zirconium-95	SNL0092176	LWDS-04-BH05	0	20-AUG-92	GAMMA	44.7	<	44.7	EB
Zirconium-95	SNL0092208	LWDS-MW1	0	24-AUG-92	GAMMA	35.9	<	35.9	EB
Zirconium-95	SNL0092216	LWDS-MW1	0	22-AUG-92	GAMMA	30.7	<	30.7	EB
Zirconium-95	SNL0092323	LWDS-MW1	0	23-AUG-92	GAMMA	15.5	<	15.5	EB
Zirconium-95	SNL0092349	LWDS-MW1	0	25-AUG-92	GAMMA	18	<	18	EB
Zirconium-95	SNL0092373	LWDS-52-BH06	0	05-SEP-92	GAMMA	16.1	<	16.1	EB
Zirconium-95	SNL0092417	LWDS-52-BH08	0	05-SEP-92	GAMMA	15.7	<	15.7	EB
Zirconium-95	SNL0092506	LWDS-52-BH07	0	07-SEP-92	GAMMA	16.3	<	16.3	EB
Zirconium-95	SNL0092538	LWDS-MW2	0	07-SEP-92	GAMMA	25.2	<	25.2	EB
Zirconium-95	SNL0092684	LWDS-52-BH07	0	06-SEP-92	GAMMA	15	<	15	EB
Zirconium-95	SNL0092793	LWDS-MW2	0	23-SEP-92	GAMMA	10.3	<	10.3	EB
Zirconium-95	SNL0092873	LWDS-MW2	0	08-OCT-92	GAMMA	14.7	<	14.7	EB
Zirconium-95	SNL0093766	LWDS-MW1	0	27-APR-93	GAMMA	41	U	41	EB
Zirconium-95	SNL0093779	LWDS-MW2	0	24-JUN-93	GAMMA	47	U	47	EB
Zirconium-95	SNL0093788	LWDS-MW1	0	03-NOV-93	GAMMA	39	U	39	EB
Zirconium-95	SNL0094220	LWDS-04-BH09-EB	0	18-MAR-94	GAMMA	0.0228	U	0.0228	EB
Zirconium-95	SNL0094223	LWDS-04-BH10-EB	0	19-MAR-94	GAMMA	0.02486	U	0.02486	EB
Zirconium-95	SNL0094226	LWDS-05-BH11-EB	0	20-MAR-94	GAMMA	0.0202	U	0.0202	EB
Zirconium-95	SNL0094227	LWDS-MW1	0	06-JUN-94	GAMMA	0.0168	U	0.0168	EB
Zirconium-95	SNL0094243	LWDS-MW2	0	07-DEC-94	GAMMA	0.0163	U	0.0163	EB
Zirconium-95	SNL0094247	LWDS-MW1	0	08-DEC-94	GAMMA	0.0161	U	0.0161	FB
Zirconium-95	SNL0094488	LWDS-MW2	0	12-JUN-95	901.1	20.2		20.2	EB

ATTACHMENT B

SNL/NM Responses to the

EPA Risk Assessment Comments

Dated April 19, 1996

ATTACHMENT B

Sandia National Laboratories
Responses to the EPA April 19, 1996, Comments
on the Liquid Waste Disposal System RFI Report
Comments Related to the Risk Assessment

General Comments

The specific parameter values and some of the models utilized in the Precis computer code are currently under review by EPA. Even if substantial comments are generated at a later date for the parameter values and the Precis code, the final conclusions for Site 52, 4, and 5 should not be impacted. This is expected since the maximum detected concentrations at Site 52 (see Table 4-2, page 4-9) are below risk-based concentrations and conclusions for Site 4 and 5 are based on the elimination of potential exposure pathways.

The following specific comments are offered to clarify information in the report and in anticipation that this same methodology will be used at other Sandia sites.

Response: Sandia National Laboratories/New Mexico (SNL/NM) and the U.S. Department of Energy (DOE) agree with the U.S. Environmental Protection Agency (EPA) assessment of no impact on Liquid Waste Disposal System (LWDS) sites and appreciate the clarifications provided in these comments.

Specific Comments

1. Page 3-1; **Section 3.0; Data Evaluation**

According to the report, constituents of concern (COCs) were selected based on a statistical comparison to background and on their spatial correlation. The report further states that constituents were selected as COCs only if both criteria were met. It is not clear what is meant by the term "spatial correlation" and how Sandia established and determined a "strong spatial correlation."

Response: The term "spatial correlation" refers to the spatial distribution of contaminants and to whether or not the contaminant concentrations are realistic and appear to make sense with respect to the conceptual model. SNL/NM evaluated the spatial distributions of contaminants by geostatistically contouring the contaminant concentration data and evaluating the contaminant concentration isopleth locations.

For example, Figures 4-7 through 4-11 present the spatial distributions of cadmium, chromium, beryllium, cesium-137, and cobalt-60 beneath the LWDS drainfield. Figures 4-16 through 4-26 present the spatial distributions of cadmium, chromium, copper, lead, nickel, zinc, barium, cobalt-60, cesium-137, uranium-235, and polychlorinated biphenyls in the LWDS impoundments. In most of these cases, there appear to be relatively strong spatial correlations between parameter values and sample locations.

2. Page 3-6; **Table 3-2; Summary of Background Concentrations for Metals in Soil**

Barium consists of a very wide range of concentrations, ranging from 0.13 ppm to 730 ppm. Concentrations could not be verified since individual background data points were not located within the report. EPA recommends that the relevant data be included in the report, or that a review of the draft Background Study report be conducted with respect to barium.

Response: To enable concentrations to be verified, all barium data for Environmental Restoration (ER) Sites 4, 5, and 52 are presented in Tables A-1, A-4, and A-7 in Attachment A of this submittal.

3. **Page 3-10; Table 3-4; Summary of Background Concentrations for Metals and Nitrate plus Nitrite in Ground Water**

All three detected metals for ground water background approximate (barium with a maximum value of 1.3 ppm, MCL is 2.0 ppm) or exceed MCLs (total chromium and lead). It is difficult to verify these background values since the individual data were not submitted in the report.

Response: Groundwater quality data from the Technical Area (TA)-V monitoring wells are submitted each year to the DOE, the New Mexico Environment Department, and the EPA through SNL/NM's Annual Groundwater Monitoring Report (written by the SNL/NM Groundwater Protection Program, Department 7575). Copies of the groundwater quality data tables from these reports (for TA-V monitoring wells) are presented in Attachment D of this submittal.

4. **Page 4-9; Table 4-2; Statistical Comparison of Site 52 to Background**

It is not clear what is meant by "spatial correlation" and how it was determined.

Response: See SNL/NM's response to Specific Comment 1.

5. **Page 4-10; Section 4.1.4; Risk Assessment**

It should be noted that the evaluation conducted in this section is a risk screen, not a risk assessment. The term "risk assessment" relates to the estimation of potential risk based on definitive exposure scenarios and is a rigorous process. A risk screen is a comparison of investigation data to protective screening levels.

Since the list of COCs and their respective concentrations evaluated in the risk screen represent a subset of the detected COCs, the conclusion cannot be confirmed. Furthermore, the methodologies used to select the COCs cannot be confirmed (see related comments to page 3-1 and 4-9). Therefore, the conclusions for the holding tanks cannot be fully evaluated.

Response: SNL/NM agrees that the evaluation discussed in Section 4.1.4 was a risk screening, which indicated that a risk assessment was not necessary for ER Site 52. During the LWDS RCRA Facility Investigation (RFI), only four COCs were identified for ER Site 52—beryllium, copper, nickel, and zinc. These COCs were identified based on their relative concentrations with respect to the background upper tolerance limits and to Subpart S Action Levels. The methodologies used to select the COCs are discussed in EPA 1992 and EPA 1996.

6. **Page 4-17; Table 4-4, Statistical Comparison of Site 5 to Background**

EPA is unable to verify the information on this table (see related comment to page 4-9).

Response: The soil analytical data summarized in Table 4-4 are presented in Tables A-4, A-5, and A-6 in Attachment A of this submittal. The statistical methods used to develop this table are discussed in

EPA 1992 and EPA 1996. Also, please refer to the responses to Specific Comments 4 and 5 related to spatial correlation.

7. **Page 4-23; Section 4.2.4; Risk Assessment**

It is EPA's understanding that a 15 mrem/yr radiation dose limit will be used to evaluate potential risk due to radionuclides.

Response: SNL/NM agrees; the 25 millirems per year (mrem/yr) dose limit originally proposed by SNL/NM in the LWDS RFI report was applied erroneously, and SNL/NM currently uses a 15 mrem/yr dose limit to evaluate potential risk due to radionuclides. ER Sites 5 and 52 also meet the proposed EPA dose limit of 15 mrem/yr (40 CFR 196, 1994).

8. **Page 4-34; Table 4-6; Statistical Comparison of Site 4 to Background**

See related comment to page 4-9.

Response: See related response to Specific Comments 4 and 5 concerning page 4-9 and spatial correlation.

9. **Page 4-41; Section 4.3.4; Risk Assessment**

It is EPA's understanding that a 15 mrem/yr radiation dose limit will be used to evaluate potential risk due to radionuclides.

Response: SNL/NM concurs; a 15 mrem/yr radiation dose limit is used to evaluate potential risk due to radionuclides.

The total dose from all individual radionuclides (cobalt-60, cesium-137, tritium, and uranium-235) at the LWDS surface impoundments was calculated to be approximately 19.7 mrem/yr assuming an industrial land use and an office worker scenario, or 23.4 mrem/yr assuming an industrial land use with the worker outside 50 percent of the time. These values are only slightly above the EPA's proposed 15 mrem/yr radiation dose limit.

However, once the surface impoundments are backfilled with native soil (as recommended in Section 4.3.5 on page 4-42), the total annual dose (assuming industrial land use, with the worker outside 50 percent of the time) is only 1.9 E-6 mrem/yr, a value well below the 15 mrem/yr dose limit.

10. **Annex I; Page 5; Section 2.3; Constituents of Concern**

In some instances, the upper end of the distribution was set at some value other than the maximum detected concentration, e.g., zinc. It should be noted that even though in the specific case of zinc at the Site 5 the use of the maximum value may not have changed the outcome, EPA recommends that the upper end of the distribution be defined by the maximum detected concentration when that concentration represents a more protective value than the calculated 99.9 percentile.

Risk assessment conclusions for Site 5 are based on the assumption that there will be 25 feet of soil overlying the site. This eliminates the surface exposure pathways thereby eliminating the potential risk.

Response: Currently, SNL/NM uses the maximum concentrations from environmental samples collected at ER sites to calculate the hazard index and cancer risk for a particular site. To be consistent with current risk assessments, SNL/NM has recalculated the risk assessment values for the LWDS soil COCs. Individual risk assessment values were calculated for the LWDS sites (ER Sites 4, 5, and 52) and for the overall LWDS maximum concentrations. The recalculated risk assessment values indicate a maximum hazard index of 0.4 and a cancer risk of 7.0 E-6 (Tables B-1 through B-4).

SNL/NM and DOE agree that the lack of surface exposure pathways for ER Site 5 eliminates all potential risk.

11. **Annex II; Page 1; Section 1.0; Introduction**

It is EPA's understanding that a 15 mrem/yr dose rate will be used for the evaluations of radionuclides.

A two meter cover of clean soil was assumed for the final conclusions of the risk assessment for Site 4.

Response: The 25 mrem/yr dose limit was applied erroneously to the LWDS RFI; SNL/NM is currently using the EPA's proposed 15 mrem/yr radiation dose limit. See response to Specific Comment 9.

The EPA was correct in stating that a 2 meter cover of clean soil was assumed for the final conclusions of the risk assessment. The proposal to backfill the impoundments to grade for safety reasons is discussed in Section 4.3.5 (p 4-42) of the RFI report.

REFERENCES

U.S. Environmental Protection Agency (EPA), 1992, "Statistical Methods for Evaluating the Attainment of Cleanup Standards, Volume 3: Reference-Based Standards for Soils and Solid Media," EPA 230-R-94-004, U.S. Environmental Protection Agency, Washington, D.C.

U.S. Environmental Protection Agency (EPA), 1996, "Guidance for Data Quality Assessment: Practical Methods for Data Analysis," EPA/600/R-96/084, EPA QA/G-9, QA96 Version, U.S. Environmental Protection Agency, Office of Research and Development, Washington, D.C.

Table B-2. Risk Assessment Values for LWDS Soil COCs, ER Site 5 Maximum Concentrations.

COC Name	Maximum Concentration (mg/kg)	Industrial Land-Use Scenario	
		Hazard Index	Cancer Risk
Barium	258	0.00	--[a]
Beryllium	1	0.00	2E-6
Cadmium	51.1	0.10	2E-8
Chromium, total[b]	42.4	0.01	9E-8
Copper	24.2	0.00	--
Lead[c]	14	--	--
Nickel	13.7	0.00	--
Zinc	67.3	0.00	--
TOTAL		0.1	2E-6

[a]-- indicates information is not available.
[b]Chromium, total is assumed to be chromium-VI (most conservative).
[c]EPA guidance for the screening value for lead for an industrial land-use scenario is 2,000 mg/kg (EPA 1996); for a residential land-use scenario, the EPA screening guidance value is 400 mg/kg (EPA 1994). The maximum concentration value for lead at this site is less than both of those screening values, and therefore lead is eliminated from further consideration.

Table B-4. Risk Assessment Values for LWDS Soil COCs, Overall Maximum Concentrations.

COC Name	Maximum Concentration (mg/kg)	Industrial Land-Use Scenario	
		Hazard Index	Cancer Risk
Barium	849	0.01	--[a]
Beryllium	4.9	0.00	7E-6
Cadmium	154	0.30	5E-8
Chromium, total[b]	97.7	0.03	--
Chromium-VI[c]	42.4	0.01	9E-8
Copper	239	0.01	--
Lead[d]	72.5	--	--
Nickel	173	0.01	--
Silver	90.5	0.02	--
Zinc	198	0.00	--
PCBs	0.071	0.00	2E-7
TOTAL		**0.4**	**7E-6**

[a] -- indicates information is not available.

[b]Chromium, total is assumed to be chromium-III.

[c]Chromium-VI value is from chromium, total value for ER Site 5 (chromium-VI was not analyzed for at ER Site 5).

[d]EPA guidance for the screening value for lead for an industrial land-use scenario is 2,000 mg/kg (EPA 1996); for a residential land-use scenario, the EPA screening guidance value is 400 mg/kg (EPA 1994). The maximum concentration values for lead at these sites are less than both of those screening values, and therefore lead is eliminated from further consideration.

ATTACHMENT C

LWDS Boring Log Descriptions

from the U.S. Geological Survey

United States Department of the Interior

U.S. GEOLOGICAL SURVEY

Water Resources Division
4501 Indian School Road NE, Suite 200
Albuquerque, NM 87110-3929

January 12, 1997

Tim Goering
Environmental Restoration Department
Sandia National Laboratories
Albuquerque, NM

Dear Mr. Goering,

As requested, please find enclosed lithologic logs of boreholes drilled at the Liquid Waste Disposal System facility, Sandia National Laboratories. Lithologic descriptions done by U.S. Geological Survey staff (Joe Szalona and myself) included the following:

Liquid Waste Disposal System -LWDS-BH1;
Liquid Waste Disposal System -LWDS-BH2;
Liquid Waste Disposal System -LWDS-BH3;
Liquid Waste Disposal System -LWDS-BH4;
Liquid Waste Disposal System -LWDS-BH5;
Liquid Waste Disposal System -LWDS-BH6;
Liquid Waste Disposal System -LWDS-BH7;
Liquid Waste Disposal System -LWDS-BH8;
Liquid Waste Disposal System -LWDS-MW1; and
Liquid Waste Disposal System -LWDS-MW2.

If you have any questions regarding the enclosed information, please contact me at 505-262-5358.

Sincerely,

Cynthia G. Abeyta
Hydrologist

Enclosures: Lithologic logs for LWDS-BH1 through BH8, LWDS-MW1, LWDS-MW2
Figure 1.--Protocol used in naming of unconsolidated sediments.

Naming of Unconsolidated Sediments

Main particle	Gravel	Sand	Silt	Clay
Greater than 15 percent gravel	Gravel	Gravelly sand	Gravelly silt	Gravelly clay
Greater than 15 percent sand	Sandy gravel	Sand	Sandy silt	Sandy clay
Greater than 15 percent silt	Silty gravel	Silty sand	Silt	Silty clay
Greater than 15 percent clay	Clayey gravel	Clayey sand	Clayey silt	Clay
5-15 percent gravel	Not applicable	Sand with gravel	Silt with gravel	Clay with gravel
5-15 percent sand	Gravel with sand	Not applicable	Silt with sand	Clay with sand
5-15 percent silt	Gravel with silt	Sand with silt	Not applicable	Clay with silt
5-15 percent clay	Gravel with clay	Sand with clay	Silt with clay	Not applicable
Greater than 15 percent gravel plus greater than 15 percent sand	Sandy gravel	Gravelly sand	Gravelly sandy silt	Gravelly sandy clay
Greater than 15 percent gravel plus greater than 15 percent silt	Silty gravel	Gravelly silty sand	Gravelly silt	Gravelly silty clay
Greater than 15 percent gravel plus greater than 15 percent clay	Clayey gravel	Gravelly clayey sand	Gravelly sandy silt	Gravelly clay
Greater than 15 percent sand plus greater than 15 percent silt	Silty sandy gravel	Silty sand	Sandy silt	Sandy silty clay
Greater than 15 percent sand plus greater than 15 percent clay	Sandy clayey gravel	Clayey sand	Sandy clayey silt	Sandy clay
Greater than 15 percent silt plus greater than 15 percent clay	Silty clayey gravel	Silty clayey sand	Clayey silt	Silty clay

NOTE: Other combinations are possible when all particle sizes are present in greater than 15 percent; for example, a Silty clayey gravelly sand. Other possible combinations exist such as a Gravelly sand with silt.

Figure 1.--Protocol used in naming of unconsolidated sediments.

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ALBUQUERQUE ENVIRONMENTAL RESTORATION PROGRAM

LITHOLOGIC LOG

Area 5, Liquid Waste Disposal System - (LWDS-1)

Note: Core was collected from 0' to 98'.

Lithologies logged by U.S. Geological Survey Geologists Cynthia Abeyta and Joe Szalona as follows:

Depth	Date	Geologist
0' to 8'	08Aug92 to 08Aug92	J. Szalona
8' to 62'	08Aug92 to 08Aug92	C. Abeyta
62' to 66'	08Aug92 to 08Aug92	J. Szalona
66' to 98'	09Aug92 to 09Aug92	C. Abeyta

Percentage of hole logged by each geologist:

C. Abeyta	88%
J. Szalona	12%

Table 1.--Lithology penetrated by borehole LWDS-BH1

[Color designation from Rock-Color Chart (National Research Council, 1948). See figure 1 for protocol used in naming of unconsolidated sediments. %, percent; ≤ less than or equal to; ≥, greater than or equal to; <, less than; >, greater than; ft, feet; mm, millimeters; HCl, hydrochloric acid; $CaCO_3$, calcium carbonate]]

Lithologic description	Depth interval below land surface (feet)
Silty sand; sand--very fine to fine grained, pebbles < 1% and ≤ 35 mm, subangular to subrounded, fairly well sorted with pebbles scattered; pebbles--quartz; light brown (5YR5/6) with middle zone moderate-yellowish-brown (10YR5/4); numerous roots in upper 1.5 ft; loose, no reaction with HCl in upper 1.4 ft, otherwise moderate to strong reaction; upper 1.4 ft--moist, otherwise very slightly moist to dry; abrupt basal contact	0-13.5
Pebbly silty sand; sand--very fine to fine grained, pebbles ≤ 15% and ≤ 63 mm, cobbles < 1% and ≤ 75 mm, subangular to subrounded, very poorly sorted; pebbles and cobbles--quartzite; moderate-yellowish-brown (10YR5/4); loose, finer matrix--strong reaction with HCl; very slightly moist	13.5-16
Silty sand; sand--very fine to fine grained, pebbles < 1% and ≤ 10 mm, subangular to subrounded, fairly well sorted; pebbles--quartzite; moderate-yellowish-brown (10YR5/4); poorly laminated; moderately compacted, friable, strong reaction with HCl; slightly moist to moist in minor zones; abrupt basal contact	16-20.8
Silty sandy caliche with pebbles and cobbles; sand--very fine to fine grained, pebbles ≤ 8% and ≤ 63 mm, three cobbles ≤ 100 mm, subangular, moderately to poorly sorted; pebbles--metagranite, quartzite, cherty limestone, cobbles--limestone, granite, and quartzite; 20.8-22 ft--grayish-orange-pink (5YR7/2), 22-28 ft--moderate-yellowish-brown (10YR5/4); loose, strong reaction with HCl; dry; gradational basal contact	20.8-26
Silty sand with pebbles; sand--very fine to medium grained, pebbles ≤ 8% and ≤ 55 mm, five cobbles ≤ 111 mm located from 34-45 ft, coarser clasts--subangular to subrounded, moderately sorted to poorly sorted; sand--mostly quartz, minor feldspar, pebbles--limestone, quartzite, cobbles--four quartzite, one granite; 26-36.5 ft--moderate-yellowish-brown (10YR5/4), 36.5-40 ft--dark-yellowish-orange (10YR6/6), 40-42.5 ft--pale-yellowish-brown (10YR6/2), 42.5-48.4 ft--moderate-yellowish-brown (10YR5/4) with grayish orange (10YR7/4) at bottom; some zones from 26-40 ft are moderately laminated and contains clay lens approximately 30 mm thick containing subangular very coarse sand, caliche nodules in clay lens and in clay matrix; loose to moderately compacted, loose/powdery at bottom, strong reaction with HCl; dry to slightly moist; abrupt basal contact	26-48.4
Pebbly sand; sand--fine to very coarse grained, pebbles approximately 25% and ≤ 50 mm, cobbles < 5% and ≤ 75 mm, subangular to subrounded, very poorly sorted; sand--mostly quartz with minor feldspar, pebbles--quartzite, granite, limestone, cobbles--quartzose, shale; fine matrix--grayish orange (10YR7/4); sand zone at approximately 52.5-53.3 ft--medium grained, well sorted, angular to subangular, mostly quartz with less feldspar and minor mafics, moderate-yellowish-brown (10YR5/4), loose, moderate reaction with HCl, and moist; scattered coarse sand lenses with $CaCO_3$ cementing with abundant laminations approximately 25 mm thick; loose, strong reaction with HCl; slightly moist; abrupt contacts at sand zone	48.4-54

Table 1.--Lithology penetrated by borehole LWDS-BH1--Concluded

Lithologic description	Depth interval below land surface (feet)
Silty sand with pebbles; sand--mostly very fine to medium grained from 54-62 ft and very fine to fine grained from 62-66 ft, pebbles approximately ≤ 15% and ≤ 50 mm, three cobbles--100 mm, 110 mm, and approximately 180 mm (fractured by drilling; $CaCO_3$ coatings on fractured sections), subangular to subrounded, very poorly sorted; sand--quartz with very minor mafics, pebbles--mostly quartzite, granite, minor limestone, cobbles--limestone; 54-62 ft--grayish orange (10YR7/4), 62-66 ft--pale-yellowish-brown (10YR6/2); loose with scattered moderately compacted zones, moderate to strong reaction with HCl; slightly moist	54-66
Sandy silt; sand--very fine to fine grained, moderately sorted, pebbles < 1% and ≤ 16 mm, subangular to subrounded, poorly sorted; pebbles--limestone; grayish orange (10YR7/4); loose, powdery, nodular--breaking into fine powder, moderate reaction with HCl; dry; abrupt basal contact	66-74.6
Silt, pebbles and cobbles; pebbles and cobbles approximately 50% and ≤ 90 mm (cut and fractured by drilling), cobbles probably larger than 90 mm, poorly sorted, silt matrix (assumed); pebbles and cobbles--quartzite, crystalline limestone; limestone--medium-light-gray (N6), quartzite--pinkish gray (5YR8/1) to light-brownish-gray (5YR6/1); pebbles and cobbles loose and broken up; dry	74.6-77
Silty sand with minor clay; sand--very fine to fine grained with zones of very fine to very coarse grains, pebbles < 1% and ≤ 20 mm, fairly well sorted except in zones containing very fine to very coarse grained sand where it is poorly sorted, angular to subrounded; sand--quartz, feldspar, limestone, pebbles--limestone, quartz; moderate-yellowish-brown (10YR5/4); slightly compacted, friable, moderate reaction with HCl; very slightly moist; gradational basal contact	77-83
Cobbly pebbly sand; sand--very fine to very coarse grained, pebbles and cobbles approximately 40%, pebbles ≤ 63 mm, cobbles > 90 mm (fractured during drilling), subangular, poorly sorted; pebbles and cobbles--quartzite, metagranite, limestone; matrix--grayish orange (10YR7/4); loose, some sections cemented with $CaCO_3$, moderate to strong reaction with HCl; dry	83-86
Pebbly cobbly sandy silt; sand--very fine to fine grained with minor medium to very coarse grains, cobbles and pebbles approximately 15% and ≤ 70 mm increasing toward bottom, subangular, poorly sorted; pebbles and cobbles--limestone, metagranite; pale-yellowish-brown (10YR6/2); loose, powdery, slight to moderate reaction with HCl; dry	86-96

SANDIA NATIONAL LABORATORIES
ALBUQUERQUE ENVIRONMENTAL RESTORATION PROGRAM

LITHOLOGIC LOG

Area 5, Liquid Waste Disposal System - (LWDS-2)

Note: Core was collected from 0' to 100'.

Lithologies logged by U.S. Geological Survey Geologists Cynthia Abeyta and Joe Szalona as follows:

Depth	Date	Geologist
0' to 51'	10AUG92 to 10AUG92	C. Abeyta
51' to 70'	10AUG92 to 10AUG92	J. Szalona
70' to 100'	10AUG92 to 11AUG92	C. Abeyta

Percentage of hole logged by each geologist:

C. Abeyta	81%
J. Szalona	19%

Table 2.--Lithology penetrated by borehole LWDS-BH2

[Color designation from Rock-Color Chart (National Research Council, 1948). See figure 1 for protocol used in naming of unconsolidated sediments. %, percent; ≤ less than or equal to; ≥, greater than or equal to; <, less than; >, greater than; ft, feet; mm, millimeters; HCl, hydrochloric acid; $CaCO_3$, calcium carbonate]

Lithologic description	Depth interval below land surface (feet)
Silty sand; sand--very fine to fine grained, 8-9.8 ft sand--very fine to very coarse grained with pebbles approximately 3% and ≤ 40 mm, sand--angular to subangular, well sorted, 8-9.8 ft--poorly sorted; sand--quartz, minor feldspar and mafics, pebbles--granite, quartzite, greenstone; 0-8 ft--light brown (5YR5/6), 8-12.8 ft--moderate-yellowish-brown (10YR5/4); loose to slightly compacted, 0-8 ft--caliche present as blebs and in matrix, 0-8 ft--moderate to strong reaction with HCl, 8-12 ft--slight to moderate reaction with HCl; 0-8 ft--moist, 8-9.8 ft--wet (probably from decontamination of core barrel), 9.8-12 ft--slightly moist; abrupt basal contact	0-12.8
Silty sand with pebbles; sand--very fine to very coarse grained, pebbles approximately ≤ 15% and ≤ 40 mm, subangular to subrounded, very poorly sorted; sand--mostly quartz, less feldspar, limestone, pebbles--quartzite, granite, limestone, cherty limestone, 12.8-18 ft--grayish orange (10YR7/4), 18-23.2 ft--pale-yellowish-brown (10YR6/2); loose, no to moderate reaction with HCl; very slightly moist to dry; abrupt basal contact	12.8-23.2
Silty sand; sand--very fine to fine grained with minor medium grains, subangular to subrounded, fairly well sorted; sand--mostly quartz, minor feldspar and mafics; moderate-yellowish-brown (10YR5/4); fractured red sandstone at 2.5 ft from top of section; moderately cemented with $CaCO_3$, moderate to strong reaction with HCl; dry to very slightly moist	23.2-34.1
Pebbly silty sand with cobbles; sand--very fine to very coarse grained, pebbles and cobbles 15-25%, pebbles ≤ 63 mm, cobbles 63 mm to > 90 mm, subangular with minor subrounded, very poorly sorted; sand--quartz, minor feldspar, limestone, pebbles and cobbles--quartzite, limestone (crystalline and cherty), greenstone, sandstone; 34.1-41.6 ft--very-pale-orange (10YR8/2), 41.6-51 ft--yellowish gray (5Y8/1); loose, minor zones of $CaCO_3$ cementing, moderate to strong reaction with HCl; dry to very slightly moist	34.1-51
Silty sand with pebbles and cobbles; sand--very fine to fine grained, pebbles and cobbles ≤ 12% and ≤ 75 mm, subangular (some fresh breaks due to drilling); pebbles and cobbles--quartzite, granite, and limestone; moderate-yellowish-brown (10YR5/4); loose, sand is slightly to moderately cemented with $CaCO_3$, strong reaction with HCl; slightly moist; abrupt basal contact	51-54.3
Pebbly sandy silt; sand--very fine to fine grained, pebbles ≤ 60 mm, subangular to subrounded, larger pebbles are subangular; pebbles--smaller clasts mostly limestone, larger clasts mostly quartzite; 54.3-55 ft--light-brownish-gray (5YR6/1), 55-66.5 ft--moderate-yellowish-brown (10YR5/4); loose, strong reaction with HCl; slightly moist	54.3-66.5
Silty sand; sand--very fine to fine grained; moderate-yellowish-brown (10YR5/4); slightly cemented with $CaCO_3$, strong reaction with HCl; slightly moist; gradational basal contact	66.5-68.4
Sandy silt; sand--very fine to fine grained; moderate-yellowish-brown (10YR5/4); loose, strong reaction with HCl; slightly moist	68.4-70

Table 2.--Lithology penetrated by borehole LWDS-BH2--Concluded

Lithologic description	Depth interval below land surface (feet)
Sandy silt; sand--very fine to fine grained, pebbles < 1% and ≤ 15 mm, angular, fairly well sorted; pebbles--quartzite; grayish orange (10YR7/4) to yellowish-gray (5Y7/2); loose, powdery, nodular, nodules cemented with $CaCO_3$ cement, moderate reaction with HCl; dry to very slightly moist; abrupt basal contact	70-73.5
Silty sand; sand--very fine to fine grained, fairly well sorted; moderate-yellowish-brown (10YR5/4); laminated, breaks into 15 mm thick lenses with $CaCO_3$ cementing, very friable; moderately compacted, very friable, moderate to strong reaction with HCl; slightly moist	73.5-77.3
Pebbly silty sand with cobble; sand--very fine to very coarse grained, pebbles approximately 15% and ≤ 60 mm, 1 cobble > 80 mm (cut by drilling), mostly subangular, very minor subrounded, very poorly sorted; sand--quartz, pebbles--quartzite, granite, cobble--banded quartzite; loose to moderately compacted, $CaCO_3$ cementing, strong reaction with HCl; slightly moist; gradational basal contact	77.3-79.7
Silty sand; sand--very fine to fine grained, fairly well sorted; moderate-yellowish-brown (10YR5/4); laminated; moderately cemented with $CaCO_3$, very brittle/friable, blebs of caliche, moderate to strong reaction with HCl; very slightly moist	79.7-82
Sand; sand--predominantly very fine to fine grained with less medium grains, pebbles < 3% and ≤ 50 mm, subangular to subrounded, poorly sorted; sand--quartz, pebbles--quartzite, granite, cherty limestone; dark-yellowish-brown (10YR4/2); loose to moderately compacted, $CaCO_3$ cementing, moderate to strong reaction with HCl; moist; gradational basal contact	82-84
Clayey silty sand; sand--very fine to fine grained, fairly well sorted; moderate-yellowish-brown (10YR5/4) with dark-yellowish-brown (10YR4/2) clay blebs; moderately compacted, moderate to strong reaction with HCl; moist; abrupt basal contact	84-85
Sandy silt; sand--very fine to fine grained, pebbles < 2% and ≤ 50 mm, subangular, well sorted matrix with scattered pebbles; pebbles--quartzite, banded quartzite, granodiorite; yellowish-gray (5Y7/2); loose, powdery, nodular, nodules cemented with $CaCO_3$, moderate to strong reaction with HCl; dry; gradational basal contact.	85-88.3
Sand; sand--predominantly fine grained with < 5% medium to very coarse grains, gravel < 1% and ≤ 70 mm, subrounded, fairly well sorted with 1 zone of poorly sorted near top and middle of section; sand--quartz, very minor feldspar, gravel--limestone, quartzite; moderate-yellowish-brown (10YR5/4); loose to slightly compacted, slight to moderate reaction with HCl; moist; gradational basal contact	88.3-92
Sand with pebbles; sand--very fine to very coarse grained, pebbles approximately 8% and ≤ 60 mm, subangular to subrounded; sand--quartz, minor feldspar, pebbles--cherty limestone, quartzite; moderate-yellowish-brown (10YR5/4); loose with $CaCO_3$ cemented lenses approximately 6 mm thick, moderate to strong reaction with HCl; dry to slightly moist; gradational basal contact	92-94.5
Sand; very fine to fine grained with minor medium to very coarse grains in lower 1.0 ft, subangular (lower 1 ft), fairly well sorted, poorly sorted in lower 1 ft; coarse sand in lower 1 ft--quartz, limestone; 94.5-95.9 ft--moderate-yellowish-brown (10YR5/4), 95.9-99.3 ft--light brown (5YR5/6), 99.3-100 ft--moderate-yellowish-brown (10YR5/4); minor clay in middle 3.4 ft section; moderately compacted, $CaCO_3$ as veins, blebs, and cement, strong reaction with HCl; slightly moist to moist	94.5-100

SANDIA NATIONAL LABORATORIES
ALBUQUERQUE ENVIRONMENTAL RESTORATION PROGRAM

LITHOLOGIC LOG

Area 5, Liquid Waste Disposal System - (LWDS-MW2)

Note: On 12-13AUG92 core was collected from 0' to 86' in a hole called LWDS-3. A new hole was started approximately 7' west of LWDS-3. The new hole was reamed to 89.6' where coring resumed on 06SEP92. The well location name was renamed LWDS-MW2. A third hole was started approximately 10' east of the original hole. The new hole was reamed to 116' where coring resumed on 17SEP92. Core was collected from 116' to 500'. Cuttings were collected by air-rotary drilling from 500' to 530'. Core was collected from 530' to 531' total depth.

Lithologies logged by U.S. Geological Survey geologists Cynthia Abeyta and Joe Szalona as follows:

Depth	Date	Geologist
0' to 86'	12AUG92 to 13AUG92	C. Abeyta
86' to 531'	06SEP92 to 21OCT92	J. Szalona

Percentage of hole logged by each geologist:

C. Abeyta	16%
J. Szalona	84%

Table 3.--Lithology penetrated by borehole LWDS-BH3

[Color designation from Rock-Color Chart (National Research Council, 1948). See figure 1 for protocol used in naming of unconsolidated sediments. %, percent; ≤ less than or equal to; ≥, greater than or equal to; <, less than; >, greater than; ft, feet; mm, millimeters; HCl, hydrochloric acid; $CaCO_3$, calcium carbonate]

Lithologic description	Depth interval below land surface (feet)
Silty sand; sand--very fine to fine grained with minor medium grains, pebbles and cobbles < 1% and ≤ 65 mm, sand--subangular, pebbles and cobbles--subrounded, fairly well sorted, pebbles scattered and increase towards bottom of section; sand--quartz, minor feldspar, pebbles and cobbles--quartzite; 0-2.6 ft--moderate brown (5YR4/4), 2.6-7 ft--light brown (5YR5/6); root zones in upper 1 ft; 0-2.6 ft--loose to slightly compacted, 2.6-7 ft--loose and powdery, moderate to strong reaction with HCl; 0-2.6 ft--very moist (heavy overnight rain showers, approximately 2 inches rain), 2.6-7 ft--very slightly moist in upper 0.2 ft to dry; gradational basal contact ----------	0-7
Pebbly sandy silt; sand--very fine to very coarse grained, pebbles approximately 20% and ≤ 63 mm, subangular, very poorly sorted; sand--quartz, minor feldspar and limestone, pebbles--quartzite, metagranite, cherty limestone; matrix--very-pale-orange (10YR8/2); loose, powdery, moderate to strong reaction with HCl; slightly moist ----------	7-10
Sand; sand--very fine to fine grained, pebbles < 0.5% and ≤ 40 mm, subrounded, well sorted; sand--quartz, minor mafics; moderate-yellowish-brown (10YR5/4); loose, scattered nodules with weak $CaCO_3$ cementing, moderate to strong reaction with HCl; slightly moist; abrupt basal contact ----------	10-11.5
Pebbly cobbly sand; sand--fine to very coarse grained, pebbles and cobbles approximately 25% and 2 to > 80 mm (fractured by drilling), subangular to subrounded, very poorly sorted; sand--quartz, minor limestone and feldspar, pebbles and cobbles--cherty limestone, greenstone, granodiorite; fine matrix--grayish orange (10YR7/4); loose, moderate reaction with HCl; dry; abrupt basal contact ----------	11.5-15
Sand; sand--very fine to fine grained, pebbles < 0.5% and ≤ 10 mm, subangular, well sorted; sand--quartz, minor feldspar and mafics; moderate-yellowish-brown (10YR5/4); slightly compacted, moderate reaction with HCl; slightly moist ----------	15-16
Pebbly cobbly sand; sand--very fine to very coarse grained, pebbles and cobbles approximately 25% and ≤ 80 mm and larger (broken up by drilling), one cobble > 110 mm, subangular to subrounded, very poorly sorted; sand--quartz, minor feldspar, pebbles and cobbles--quartzite, metagranite, cherty limestone, large cobble--quartzite; matrix--pale-yellowish-brown (10YR6/2); cobble > 110 mm struck in drill bit; loose, moderate to strong reaction with HCl; very slightly moist to dry ----------	16-24
Sandy silt; sand--predominately very fine to fine grained with less medium to very coarse grains, pebbles < 3% and ≤ 38 mm, subangular to subrounded, very poorly sorted; sand--quartz, pebbles--greenstone; pale-yellowish-brown (10YR6/2); loose, powdery, strong reaction with HCl; dry ----------	24-28
Cobbly pebbly sandy silt; sand--very fine to medium grained, upper 1.5 ft--very fine to very coarse grained, cobbles and pebbles approximately 25% in upper 1.5 ft decreasing towards bottom, pebbles and cobbles ≤ 65 mm, subangular, very poorly sorted; sand--quartz, pebbles and cobbles--quartzite; pale-yellowish-brown (10YR6/2); loose, powdery, moderate to strong reaction with HCl; dry ----------	28-31

Table 3.--Lithology penetrated by borehole LWDS-BH3--Continued

Lithologic description	Depth interval below land surface (feet)
Silty sand with caliche; sand--predominantly very fine to fine grained with less medium grains, pebbles < 1% and ≤ 60 mm, sand--subangular, pebbles--rounded to subrounded, pebbles scattered, fairly well sorted; sand--quartz, pebbles--quartzite, cherty limestone, one coarse-grained quartz sandstone clast; moderate-yellowish-brown (10YR5/4); mostly loose to slightly cemented with CaCO3, $CaCO_3$ as blebs, veins and as matrix, nodules of very fine to fine grained sand with $CaCO_3$ cementing, moderate to strong reaction with HCl; dry to very slightly moist; gradational basal contact	31-38.5
Sandy silt with pebbles; sand--very fine to fine grained with less medium to very coarse grains, pebbles < 3-15% and ≤ 55 mm, subangular to subrounded, very poorly sorted; sand--quartz, minor feldspar, pebbles--cherty limestone, greenstone, quartzite; very-pale-orange (10YR8/2); loose, powdery, strong reaction with HCl; dry; abrupt basal contact	38.5-39.5
Pebbly sand; sand--fine to very coarse grained, pebbles approximately 15% and ≤ 18 mm, subangular to subrounded, very poorly sorted; sand--quartz, feldspar, pebbles--limestone, granite; fine matrix--moderate-yellowish-brown (10YR5/4); loose, moderate reaction with HCl; dry; gradational basal contact	39.5-40.4
Silty sand; sand--very fine to fine grained, well sorted, nodular; moderate-yellowish-brown (10YR5/4); nodules and lenses ≤ 30 mm thick; slightly compacted to loose, $CaCO_3$ cemented, moderate reaction with HCl; very slightly moist; abrupt basal contact	40.4-44.2
Cobbly pebbly silty sand; sand--very fine to very coarse grained, cobbles and pebbles approximately 30%, subangular to subrounded, very poorly sorted; sand--quartz, feldspar, limestone, cobbles and pebbles--limestone, granite, quartzite; matrix--moderate-yellowish-brown (10YR5/4); less sand and gravel and more silt towards bottom; loose, strong reaction with HCl; dry	44.2-46
Cobbly pebbly sandy silt; sand--very fine to fine grained with less medium to very coarse grains, cobbles and pebbles 20-30% and ≤ 70 mm, sand--subangular, pebbles--subrounded to rounded, very poorly sorted; sand--quartz, minor feldspar, limestone, cobbles and pebbles--cherty limestone, quartzite, metagranite; very-pale-orange (10YR8/2); loose, powdery, strong reaction with HCl; dry; gradational basal contact	46-51
Cobbly pebbly sand; sand--fine to medium grained with less coarse to very coarse grains, pebbles and cobbles 3-20% and ≤ 80 mm, sand--subangular, pebbles and cobbles--subangular to subrounded; sand--arkosic, cobbles and pebbles--quartzite, limestone, granite, greenstone; moderate-yellowish-brown (10YR5/4); loose, moderate reaction with HCl; very slightly moist to dry; gradational basal contact.	51-56.5
Pebbly sandy silt; sand--very fine to very coarse grained, pebbles approximately 30% and ≤ 52 mm, predominantly 8-12 mm, cobbles from 58-60 ft < 80 mm and one > 90 mm, angular, subangular, and subrounded, fairly well sorted from 56.5-57 ft, otherwise poorly sorted; sand--arkosic, pebbles--quartzite, granite, greenstone, cobbles--greenstone, quartzite; pale-yellowish-brown (10YR6/2); loose, powdery, strong to moderate reaction with HCl; dry; abrupt basal contact.	56.5-60
Sand; very fine to fine grained, minor coarse grains, subangular, well sorted; coarse grained sand--quartz, feldspar; moderate-yellowish-brown (10YR5/4); moderately cemented with $CaCO_3$, moderate to strong reaction with HCl; very slightly moist	60-61.5

Table 3.--Lithology penetrated by borehole LWDS-BH3--Concluded

Lithologic description	Depth interval below land surface (feet)
Cobbly pebbly sandy silt; sand--very fine to very coarse grained, cobbles and pebbles approximately ≤ 30% and ≤ 70 mm, predominantly ≤ 15 mm, angular to subangular, few subrounded, poorly sorted; sand--quartz, feldspar, cobbles and pebbles--quartzite, cherty limestone; grayish orange (10YR7/4); $CaCO_3$ cemented in upper 0.5 ft, friable into fine powder with pebbles, otherwise loose, powdery, moderate to strong reaction with HCl; dry; gradational basal contact	61.5-63.2
Sand; very fine to fine grained, well sorted; moderate-yellowish-brown (10YR5/4); slightly compacted/cemented with $CaCO_3$, caliche as blebs and cement, moderate to strong reaction with HCl; slightly moist; gradational basal contact	63.2-65.2
Silty pebbly sand; sand--very fine to very coarse grained, pebbles approximately 20% and 4 to 10 mm, one cobble > 80 mm (fractured by drilling), subangular, few subrounded, very poorly sorted; sand--arkosic, pebbles--quartzite, granite, cobble--quartzite with iron stains; pale-yellowish-brown (10YR6/2); loose, powdery, strong reaction with HCl; slightly moist to dry; gradational basal contact	65.2-67.5
Cobbly pebbly sandy silt; sand--very fine to very coarse grained, cobbles and pebbles approximately 15% and ≤ 65 mm, predominantly 4 to 10 mm, one 150 mm cobble, subangular, few subrounded, very poorly sorted; sand--arkosic, quartz, limestone, cobbles and pebbles--quartzite, limestone, metagranite, greenstone, cherty limestone, large cobble--banded quartzite; very-pale-orange (10YR8/2); loose, powdery, some $CaCO_3$ cemented lenses, strong reaction with HCl; dry	67.5-71
No recovery	71-76
Silty sand; sand--very fine to fine grained with approximately 5% medium to very coarse grains, pebbles < 5% and ≤ 50 mm, subangular to subrounded, very poorly sorted; pale-yellowish-brown (10YR6/2); loose, powdery, strong reaction with HCl; dry; abrupt basal contact	76-77.5
Sand with clay; sand--very fine to fine grained, well sorted; sand matrix--moderate-yellowish-brown (10YR5/4), clay--moderate brown (5YR4/4); clay absent in some zones and as blebs and matrix in other zones; moderately compacted but friable, moderate reaction with HCl; slightly moist	77.5-86
No recovery	86-96

SANDIA NATIONAL LABORATORIES
ALBUQUERQUE ENVIRONMENTAL RESTORATION PROGRAM

LITHOLOGIC LOG

Area 5, Liquid Waste Disposal System - (LWDS-4)

Note: Core was collected from 0' to 100'.

Lithologies logged by U.S. Geological Survey Geologist Joe Szalona as follows:

Depth	Date	Geologist
0' to 100'	18AUG92 to 19AUG92	J. Szalona

Percentage of hole logged by geologist:

J. Szalona	100%

Table 4.--Lithology penetrated by borehole LWDS-BH4

[Color designation from Rock-Color Chart (National Research Council, 1948). See figure 1 for protocol used in naming of unconsolidated sediments. %, percent; ≤ less than or equal to; ≥, greater than or equal to; <, less than; >, greater than; ft, feet; mm, millimeters; HCl, hydrochloric acid; $CaCO_3$, calcium carbonate]

Lithologic description	Depth interval below land surface (feet)
Silty sand; sand--very fine to fine grained, 7-18.7 ft sand is very fine to medium grained, pebbles < 1% and < 15 mm, 2 cobbles < 100 mm (fractured by drilling), subangular to subrounded; pebbles--granite, limestone, quartzite; moderate brown (5YR4/4), 1.9-7 ft--light brown (5YR6/4); upper 1 ft contains plant roots; moderately compacted, 7-18.7 ft--loose to moderately cemented, $CaCO_3$ cement, caliche as matrix in zones below 7 ft, 0-1.9 ft--slight reaction with HCl, 1.9-18.7 ft--strong reaction with HCl; moist, 1.9-7 ft--slightly moist; abrupt contact at 1.9 ft due to cobbles and change in moisture	0-18.7
Pebbly silty sand with cobbles; sand--very fine to very coarse grained, pebbles and cobbles < 80 mm, pebbles and cobbles--mostly subangular, very poorly sorted; sand--quartz, feldspar, limestone, pebbles and cobbles--limestone, quartzite; moderate-yellowish-brown (10YR5/4); loose, strong reaction with HCl; moderately moist	18.7-22.5
Silty sand with clay; sand--very fine to medium grained; moderate-yellowish-brown (10YR5/4); clayey in upper section, more silty in lower section; loose to moderately cemented, strong reaction with HCl; moist	22.5-25
Pebbly silty sand; sand--very fine to medium grained, pebbles approximately 20% and < 60 mm, five cobbles > 70-80 mm (fractured by drilling), subangular, poorly sorted; pebbles and cobble--quartzite, limestone; 25-35 ft--moderate-yellowish-brown (10YR5/4), 35-40 ft--light brown (5YR6/4); loose, 27-35 ft includes powdery zone with high caliche content, strong reaction with HCl; slightly to moderately moist	25-40
Silty sand with pebbles; sand--very fine to fine grained, pebbles < 8% and ≤ 60 mm, predominately < 30 mm, subangular, poorly sorted; pebbles--limestone, quartzite; light brown (5YR6/4); loose, especially in upper and lower sections where silty; slightly to moderately moist	40-44.6
Sand with silt; sand--very fine to medium grained, with mostly medium grains in upper section, pebbles < 2% and < 40 mm, subangular, well sorted; pebbles--limestone; dark-yellowish-orange (10YR6/6); slightly to moderately cemented with $CaCO_3$, strong reaction with HCl; moderately moist	44.6-47
Pebbly silty sand with caliche and cobbles; sand--very fine to fine grained, pebbles ≤ 20%, cobbles ≤ 15% decreasing to < 1% at 57 to 62 ft, pebbles and cobbles and ≤ 100 mm (fractured by drilling), subangular, few subrounded, poorly sorted; pebbles and cobbles--quartzite, limestone, minor greenstone; 47-54 ft--moderate-yellowish-brown (10YR5/4), 54-57 ft--grayish orange (10YR7/4), 57-62 ft--pale-yellowish-brown (10YR6/2); loose to powdery, caliche as matrix, strong reaction with HCl; slightly to moderately moist	47-62
Silty sand with pebbles; sand--very fine to fine grained, pebbles < 12% and < 40 mm, predominately < 20 mm, subangular, poorly sorted; pale-yellowish-brown (10YR6/2); loose to powdery, strong reaction with HCl; slightly to moderately moist	62-64.6

Table 4.--Lithology penetrated by borehole LWDS-BH4--Concluded

Lithologic description	Depth interval below land surface (feet)
Pebbly silty sand; sand--very fine to very coarse grained, pebbles 20%, one 70 mm cobble, subangular to subrounded, poorly sorted; sand--arkose, pebbles--granite, quartzite, limestone; moderate-yellowish-brown (10YR5/4); basal 0.1 ft is finer grained sand showing irregular near horizontal laminations; loose, strong reaction with HCl; slightly to moderately moist	64.6-66
Sandy silt and silty sand; sand--very fine to fine grained, pebbles < 4% and < 25 mm, predominately < 10 mm, subangular to subrounded; pebbles--limestone, quartzite, metagranite; grayish-orange-pink (5YR7/2); loose to powdery, strong reaction with HCl; slightly to moderately moist; abrupt basal contact	66-68.8
Silty sand with caliche; sand--very fine to medium grained, well sorted; moderate-yellowish-brown (10YR 5/4); poorly laminated; moderately compacted, weakly to moderately cemented with $CaCO_3$, caliche scattered as blebs, strong reaction with HCl; moderately moist	68.8-74.2
Pebbly silty sand; sand--very fine to fine grained, pebbles 15-25% and ≤ 60 mm, one cobble--80 mm (broken by drilling) between 74.2-75 ft, subangular; pebbles--limestone, quartzite; 74.2-75 ft--grayish-orange-pink (5YR7/2), 75-76.2 ft--pale-yellowish-brown (10YR 6/2); loose to powdery, strong reaction with HCl; slightly to moderately moist; abrupt basal contact	74.2-76.2
Silty sand; sand--very fine to medium grained, pebbles < 1% and < 10 mm, one clast 30 mm, subangular to subrounded; pebbles--limestone; light brown (5YR6/4); poorly laminated, moderately compacted, slightly to moderately cemented with $CaCO_3$, strong reaction with HCl; slightly to moderately moist	76.2-83
Pebbly silty sand; sand--very fine to fine grained with medium grains from 86-94 ft, pebbles 15-25% and ≤ 60 mm, predominately < 30 mm, one cobble between 83-86 ft, pebbles and cobble--subangular, few subrounded; pebbles--quartzite, limestone, cobble--limestone; 83-86 ft--moderate-yellowish-brown (10YR5/4), 86-94 ft--light brown (5YR6/4); loose to weakly cemented where sandy, $CaCO_3$ cement, strong reaction with HCl; slightly to moderately moist where sandy	83-94
Sandy silt and silty sand; sand--very fine to medium grained; grayish-orange-pink (5YR7/2); sand also occurs as lens; powdery, sand lens moderately cemented with $CaCO_3$, strong reaction with HCl; slightly to moderately moist	94-95
Silty sand with pebbles and cobbles; sand--very fine to very coarse grained, pebbles 10%, cobbles ≤ 4% and ≤ 75 mm, subangular; pebbles and cobbles--limestone; light brown (5YR6/4); loose, medium grained sand zones weakly cemented with $CaCO_3$, strong reaction with HCl; slightly to moderately moist	95-100

SANDIA NATIONAL LABORATORIES
ALBUQUERQUE ENVIRONMENTAL RESTORATION PROGRAM

LITHOLOGIC LOG

Area 5, Liquid Waste Disposal System - (LWDS-5)

Note: Core was collected from 0' to 100'.

Lithologies logged by U.S. Geological Survey Geologist Cynthia Abeyta as follows:

Depth	Date	Geologist
0' to 100'	20AUG92	C. Abeyta

Percentage of hole logged by geologist:

C. Abeyta	100%

Table 5.--Lithology penetrated by borehole LWDS-BH5

[Color designation from Rock-Color Chart (National Research Council, 1948). See figure 1 for protocol used in naming of unconsolidated sediments. %, percent; ≤ less than or equal to; ≥, greater than or equal to; <, less than; >, greater than; ft, feet; mm, millimeters; HCl, hydrochloric acid; $CaCO_3$, calcium carbonate]

Lithologic description	Depth interval below land surface (feet)
Silty sand and caliche; sand--very fine to fine grained, 1 cobble > 90 mm at bottom of section, well sorted; cobble--metagranite/quartzite; 0-0.9 ft--moderate brown (5YR4/4), 0.9-12.6 ft--moderate-yellowish-brown (10YR5/4); upper 0.9 ft contains numerous roots; loose to weakly cemented, $CaCO_3$ cement, caliche abundant as matrix and blebs and decreasing towards bottom, nodule zones with $CaCO_3$ cementing, strong reaction with HCl; 0-0.9 ft--moist, 0.9-12.6 ft--dry to very slightly moist; gradational basal contact	0-12.6
Sandy silt; sand--very fine to fine grained with medium to very coarse grains, pebbles < 2% and ≤ 50 mm, one cobble broken up by drilling, moderately sorted, angular to subangular, poorly sorted; sand--quartz, feldspar, red sandstone, pebbles--metagranite, limestone, cobble--metagranite/quartzite; yellowish gray (5Y7/2); loose, powdery, moderate reaction with HCl; dry; gradational basal contact	12.6-15
Sand with pebbles; sand--fine grained with < 1% medium to very coarse grains, pebbles < 1% and ≤ 20 mm, angular to subangular, well sorted; sand--quartz, minor mafics, pebbles--quartzite, metaquartzite; moderate-yellowish-brown (10YR5/4); moderately compacted, moderately cemented with $CaCO_3$, strong reaction with HCl; slightly moist	15-16
Silty sand with pebbles and cobble; sand--very fine to very coarse grained, pebbles ≤ 5% and ≤ 50 mm, pebbles scattered and decreasing toward bottom, cobbles > 90 mm, subangular, poorly to moderately sorted towards bottom; sand--quartz, minor feldspar, biotite and muscovite, pebbles--quartzite, limestone, cobbles--limestone, quartzite; 16-17.8 ft--pale-yellowish-brown (10YR6/2), 17.8-35 ft--moderate-yellowish-brown (10YR5/4); 16-17.8 ft--loose, 17.8-35 ft--loose to moderately compacted/cemented, $CaCO_3$ cement, lenticular, minor clay, from 16-21 ft, caliche very abundant in matrix and blebs towards bottom, moderate to strong reaction with HCl; dry to slightly moist	16-35
Pebbly silty sand; sand--very fine to very coarse grained, pebbles approximately 15% and ≤ 63 mm, 35-37 ft--cobbles > 90 mm, subangular with minor subrounded, poorly sorted; sand--quartz, minor feldspar, limestone, and biotite, pebbles and cobbles--limestone, quartzite, greenstone, granodiorite, metagranite; pale-yellowish-brown (10YR6/2); loose with zones of compaction/cementing, cemented zones weakly to moderately cemented with $CaCO_3$, moderate to strong reaction with HCl; abrupt basal contact; dry	35-49
Sand (clast); medium grained, angular to subangular, well sorted; sand--quartz; FeO_2 stain--reddish orange (not colored on chart); strongly cemented, $CaCO_3$ and SiO_2 cementing, moderate reaction with HCl; dry	49-50
Silty sand; sand--very fine to fine grained, fairly well sorted; moderate-yellowish-brown (10YR5/4); moderately cemented with $CaCO_3$; dry; gradational basal contact	50-51.5
Pebbly silty sand; sand--very fine to very coarse grained, pebbles approximately 20% and ≤ 60 mm, subangular, poorly sorted; sand--quartz, feldspar, greenstone, pebbles--granite, metagranite, quartzite; moderate-yellowish-brown (10YR5/4); loose, moderate to strong reaction with HCl; dry; gradational basal contact	51.5-52.7

Table 5.--Lithology penetrated by borehole LWDS-BH5--Continued

Lithologic description	Depth interval below land surface (feet)
Silty sand; sand--very fine to fine grained, fairly well sorted; moderate-yellowish-brown (10YR5/4); moderately cemented with $CaCO_3$; dry	52.7-54
Pebbly silty sand with cobbles; sand--very fine to very coarse grained, pebbles approximately 20% and ≤ 63 mm, cobbles 70 mm to > 90 mm, angular to subangular, very poorly sorted; sand--quartz, minor feldspar and limestone, pebbles and cobbles--quartzite; moderate-yellowish-brown (10YR5/4); loose, strong reaction with HCl; slightly moist; gradational basal contact	54-56.3
Sand; medium grained with minor very coarse grains, angular to subangular, well sorted; quartz; loose, moderate reaction with HCl; very moist; gradational basal contact	56.3-57.7
Pebbly silty sand; sand--very fine to very coarse grained, pebbles approximately 15% and ≤ 25 mm, angular to subangular, poorly sorted; sand--quartz, minor feldspar, limestone, mafics, pebbles--quartzite, limestone, red sandstone; moderate-yellowish-brown (10YR5/4); loose, moderate reaction with HCl; slightly moist	57.7-60
Silty sand; sand--very fine to fine grained, very fine to very coarse grained and pebbles ≤ 5% and < 50 mm from 60-62.3 ft, 1.2 ft sandy silt zone with < 5% medium to very coarse grains and < 5% cobbles > 90 mm (fractured during drilling) at 73 ft, coarser grains--subangular, well sorted, poorly sorted in pebbly and sandy silt zones; sand--quartz, minor feldspar and mafics, pebbles--metagranite, quartzite, shale, cobbles--limestone; moderate-yellowish-brown (10YR5/4), sandy silt zone--pale-yellowish-brown (10YR6/2); minor clay from approximately 61.4-62.3 ft; moderately cemented with $CaCO_3$, sandy silt zone--loose and powdery, moderate to strong reaction with HCl; slightly moist to dry	60-77
Silty pebbly sand; sand--very fine to very coarse grained, pebbles approximately 15% and ≤ 60 mm, subangular, minor subrounded, poorly sorted; sand--quartz, minor feldspar and biotite, pebbles--limestone, quartzite; moderate-yellowish-brown (10YR5/4); loose, with zones of moderate $CaCO_3$ cementing, moderate to strong reaction with HCl; very slightly moist; gradational basal contact	77-81.3
Silty sand; sand--81.3-87 ft is very fine to fine grained, well sorted, 87.3-89.5 ft is very fine to very coarse grained with pebbles and cobbles approximately 3% and ≤ 70 mm, subangular, very poorly sorted, becomes siltier towards bottom; sand--quartz, biotite, minor feldspar, pebbles and cobbles--metagranite, quartzite; light brown (5YR5/6) at top to grayish orange (10YR7/4) towards 87.3 ft, 87.3-89.5 ft--pale-yellowish-brown (10YR6/2); moderately cemented with $CaCO_3$ to loose from 87.3-89.5 ft with some $CaCO_3$ cemented zones, caliche abundant in matrix and as blebs in lower 2.1 ft, moderate to strong reaction with HCl; very slightly moist; abrupt basal contact	81.3-89.5

Table 5.--Lithology penetrated by borehole LWDS-BH5--Concluded

Lithologic description	Depth interval below land surface (feet)
Silty sand with clay zone; sand--very fine to fine grained, < 0.5% very coarse grains, subangular, fairly well sorted; sand--predominantly quartz, with feldspar and biotite; becomes clayey within 1.4-2.8 ft from top of section; moderate-yellowish-brown (10YR5/4), clay zone--moderate brown (5YR4/4); moderately cemented with $CaCO_3$, moderately compacted at clay zone but also contains $CaCO_3$ cementing, strong reaction with HCl; moist; gradational basal contact	89.5-93.5
Pebbly silty sand with cobbles; sand--very fine to very coarse grained, pebbles and cobbles--approximately 20% and ≤ 75 mm, subangular, very poorly sorted; sand--predominately quartz, less feldspar and biotite, pebbles and cobbles--metagranite, quartzite; moderate-yellowish-brown (10YR5/4); becomes siltier towards bottom of section; loose, moderate to strong reaction with HCl; very slightly moist; gradational basal contact	93.5-96.3
Silty sand; sand--very fine to fine grained, < 0.5% medium to very coarse grains, subangular, fairly well sorted; sand--predominately quartz with feldspar and biotite; moderate brown (5YR4/4); moderately cemented with $CaCO_3$, caliche as matrix and blebs in lower 1.5, moderate to strong reaction with HCl; slightly moist	96.3-100

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LITHOLOGIC LOG

Area 5, Liquid Waste Disposal System - (LWDS-6)

Note: Cuttings were collected from a vertical hole drilled by a gasoline motorized hand auger from 0' to 2.4'. Core was collected from a 30-degree from vertical slant hole from 0.3' to 50' linear depth (0' to 43' true depth).

Lithologies logged by U.S. Geological Survey Geologist Cynthia Abeyta as follows:

Linear Depth	True Depth	Date	Geologist
0' to 50'	0' to 43'	04SEP92 to 05SEP92	C. Abeyta

Percentage of hole logged by geologist:

C. Abeyta	100%

Table 6.--Lithology penetrated by borehole LWDS-BH6

[Color designation from Rock-Color Chart (National Research Council, 1948). See figure 1 for protocol used in naming of unconsolidated sediments. %, percent; ≤ less than or equal to; ≥, greater than or equal to; <, less than; >, greater than; ft, feet; mm, millimeters; HCl, hydrochloric acid; $CaCO_3$, calcium carbonate]

Lithologic description	Depth interval below land surface (feet)
Landscape gravel ----------	0-0.3
Silty sand; sand--very fine to fine grained with < 5% medium to very coarse grains, sand zones at 14.6-16.5 ft and 18.3- 19.4 ft where sand is medium grained, pebbles < 1% and ≤ 50 mm, pebbles also in sand zones, coarse grained sand--subangular to subrounded, pebbles--subangular to rounded, three cobbles--one 80 mm (between 0.3-12.1 ft), and two > 90 mm (fractured by drilling) (between 22.5-22.9 ft), fairly well to moderately sorted; sand--arkose; sand zones--quartz with minor feldspar and mafics, pebbles--quartzite, limestone, granite, basalt, cobbles--one limestone, two quartzite; 0.3-20.8 ft--moderate-yellowish-brown (10YR5/4), 19.4-20.8 ft--light brown (5YR6/4), 20.8-22.5 ft--moderate-yellowish-brown (10YR5/4) to grayish orange (10YR7/4), 22.5-22.9 ft--dark-yellowish-brown (10YR4/2); 0.3-20.8 ft--loose, 20.8-22.9 ft--moderately compacted/cemented, $CaCO_3$ cement, moderate to strong reaction with HCl, sand zones have no to very slight reaction with HCl; moist; gradational contact at 14.6 ft (top of first sand zone), abrupt contacts at 18.3 ft and 19.4 ft (top and bottom of 2nd sand zone), abrupt basal contact-	0.3-22.9
Silty pebbly sand; sand--very fine to very coarse grained, pebbles approximately 20%, cobbles < 1%, sand--subangular, pebbles--subangular to rounded, cobbles--fractured by drilling, very poorly sorted; sand--quartz, minor feldspar, pebbles--limestone, quartzite, metagranite, cobbles--limestone, quartzite; pinkish gray (5YR8/1); loose, powdery, moderate to strong reaction with HCl; dry; abrupt basal contact	22.9-25.1
Sand; sand--very fine to fine grained, well sorted; sand--quartz, minor feldspar and mafics; moderate-yellowish-brown (10YR5/4); weakly cemented with $CaCO_3$, moderate to strong reaction with HCl; moist	25.1-27.3
Sand with silt; sand--very fine to fine grained with < 5% medium to very coarse grains, pebbles < 2% and 4 mm to 45 mm, sand--subangular, pebbles--angular, subangular, rounded, poorly sorted; sand--quartz, minor feldspar and mafics, pebbles--quartzite, limestone, granite, cobble--greenstone/quartzite; moderate-yellowish-brown (10YR5/4); moderately compacted/cemented, $CaCO_3$ cement, moderate to strong reaction with HCl; moist; gradational basal contact ----------	27.3-30.5
Pebbly silty sand; sand--very fine to very coarse grained, pebbles approximately 15% and ≤ 63 mm, cobbles approximately 1% and 63 mm to > 90 mm (fractured by drilling), sand--subangular to subrounded, pebbles--subangular to rounded, cobbles--subangular to angular (angular due to fracturing by drilling), very poorly sorted; sand--quartz, feldspar, biotite, pebbles--limestone, quartzite, granite, decomposing granite, cobbles--quartzite, decomposing granite; pale-yellowish-brown (10YR6/2) at top to moderate-yellowish-brown (10YR5/4) in middle to pinkish gray (5YR8/1) at bottom; grayish olive (10Y4/2) coating on quartzite cobble near 46 ft, also moderate red (5R4/6) FeO_2 stain on decomposing gravel between 46 ft and 47 ft; loose to moderately cemented with $CaCO_3$, moderate to strong reaction with HCl; moist at top to slightly moist towards middle to dry at bottom----------	30.5-43.3

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LITHOLOGIC LOG

Area 5, Liquid Waste Disposal System - (LWDS-7)

Note: Cuttings were collected from a vertical hole drilled by a gasoline motorized hand auger from 0' to 2.1'. Core was collected from a 30-degree from vertical slant hole from 2' to 43' linear depth (1.7' to 37' true depth).

Lithologies logged by U.S. Geological Survey Geologist Cynthia Abeyta as follows:

Linear Depth	True Depth	Date	Geologist
0' to 43'	0' to 37'	06SEP92 to 07SEP92	C. Abeyta

Percentage of hole logged by geologist:

C. Abeyta	100%

Table 7.--Lithology penetrated by borehole LWDS-BH7

[Color designation from Rock-Color Chart (National Research Council, 1948). See figure 1 for protocol used in naming of unconsolidated sediments. %, percent; ≤ less than or equal to; ≥, greater than or equal to; <, less than; >, greater than; ft, feet; mm, millimeters; HCl, hydrochloric acid; $CaCO_3$, calcium carbonate]

Lithologic description	Depth interval below land surface (feet)
Asphalt	0-0.4
Silty sand; sand--very fine to fine grained with < 5% medium to very coarse grains, pebbles < 2% and ≤ 40 mm, cobble > 130 mm in length at 4.3 ft, sand–subangular, pebbles–subrounded to rounded, one 60 mm iron (metallic) clast at 1.7-4.3 ft, well to moderately sorted; sand--arkose, pebbles--limestone, quartzite, shale, basalt, cobble--pegmatite; moderate-yellowish-brown (10YR5/4); white precipitate and olive gray (5Y3/2) material mixed with quartz sand at approximately 3.9 ft, 0.5 ft pebbly sand zone near 9.5 ft with very fine to very coarse grained sand, pebbles approximately 35% and < 6 mm with < 1% 25 mm to 70 mm and pale-yellowish-brown (10YR6/2); slightly compacted at top to moderately compacted/cemented and friable towards bottom, $CaCO_3$ cement, pebble zone--loose, moderate to strong reaction with HCl, pebble zone--slight to no reaction with HCl; moist, pebble zone–slightly moist; pebble zone has abrupt upper and basal contact, gradational basal contact	0.4-22.5
Pebbly sand with silt; sand--very fine to very coarse grained, pebbles approximately 20% and < 10 mm, < 1% 20 mm to 63 mm, angular to subrounded, very poorly sorted; sand–quartz, minor feldspar and mafics, pebbles--quartzite, granite, basalt, limestone, shale; moderate-yellowish-brown (10YR5/4); loose to moderately compacted/cemented with $CaCO_3$ cement, slight to strong reaction with HCl; slightly moist to moist	22.5-25.1
Silty sand with pebbles; sand--very fine to fine grained with < 3% medium to very coarse grains, pebbles < 3% and ≤ 20 mm, subangular to subrounded, some pebbles rounded, poorly to moderately well sorted; moderate-yellowish-brown (10YR5/4); pebble content decreases towards bottom of section and becomes moderately well sorted; moderately compacted/cemented, $CaCO_3$ cement, moderate to strong reaction with HCl; moist; abrupt basal contact	25.1-27.7
Not described	27.7-37.2

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ALBUQUERQUE ENVIRONMENTAL RESTORATION PROGRAM

LITHOLOGIC LOG

Area 5, Liquid Waste Disposal System - (LWDS-8)

Note: Cuttings were collected from a vertical hole drilled by a gas motorized hand auger from 0' to 1.5'. Core was collected from a 30-degree from vertical slant hole from 0' to 50' linear depth (0' to 43' true depth).

Lithologies logged by U.S. Geological Survey Geologist Cynthia Abeyta as follows:

Linear Depth	True Depth	Date	Geologist
0' to 50'	0' to 43'	04SEP92 to 06SEP92	C. Abeyta

Percentage of hole logged by each geologist:

C. Abeyta	100%

Table 8.--Lithology penetrated by borehole LWDS-BH8

[Color designation from Rock-Color Chart (National Research Council, 1948). See figure 1 for protocol used in naming of unconsolidated sediments. %, percent; ≤ less than or equal to; ≥, greater than or equal to; <, less than; >, greater than; ft, feet; mm, millimeters; HCl, hydrochloric acid; $CaCO_3$, calcium carbonate]

Lithologic description	Depth interval below land surface (feet)
Asphalt	0-0.4
Silty sand; sand--very fine to fine grained with < 5% medium to very coarse grains, pebbles < 3% and ≤ 63 mm, predominately < 35 mm, 3.4-8.5 ft zone included two cobbles--one 80 mm and one > 90 mm, sand--subangular, pebbles--subrounded to rounded, cobbles--subrounded, fractured (due to drilling), fairly well to moderately sorted; sand--arkose, pebbles--quartzite, granite, limestone, fossiliferous limestone, basalt, cobbles--one is limestone, one is quartzite; moderate-yellowish-brown (10YR5/4); compacted, moderate to strong reaction with HCl; moist; gradational basal contact	0.4-8.5
Sand; very fine to fine grained, well sorted; moderate-yellowish-brown (10YR5/4) to light brown (5YR5/6); moderately compacted, moderate reaction with HCl; moist; gradational basal contact	8.5-11
Silty sand; sand--very fine to fine grained with < 5% medium to very coarse grains, pebbles ≤ 5% and ≤ 40 mm, pebble content decreases to < 0.5% towards bottom, sand--subangular, pebbles--subangular to subrounded, poorly sorted at top to moderately sorted towards bottom; sand--quartz, feldspar, limestone, greenstone, pebbles--limestone, greenstone, quartzite, feldspar; 11-14 ft--pale-yellowish-brown (10YR6/2), 14-23 ft--moderate-yellowish-brown (10YR5/4); minor clay present in matrix from 19.9-20.4 ft; loose to moderately cemented with $CaCO_3$; moderate to strong reaction with HCl; moist; gradational basal contact	11-23
Pebbly silty sand; sand--very fine to very coarse grained, pebbles approximately 20% and ≤ 63 mm, cobbles < 1% and 80 mm, sand and pebbles--angular to subangular, cobbles--subangular to subrounded, very poorly sorted; sand--arkose, limestone, pebbles,--quartzite, limestone, cobbles--quartzite, granite, metagranite, limestone; pale-yellowish-brown (10YR6/2); loose, moderate to strong reaction with HCl; very slightly moist	23-28.9
Silty sand with clay; sand--very fine to fine grained with approximately 5% medium to very coarse grains, pebbles approximately 3% and predominately 2 to 6 mm, < 0.5% 6-20 mm, and one 50 mm, poorly sorted; sand--arkose, pebbles--quartzite, feldspar, limestone; moderate-yellowish-brown (10YR5/4); clay in matrix, decomposing pebbles; moderately to strongly compacted and cemented with $CaCO_3$, moderate to strong reaction with HCl; slightly moist; gradational basal contact	28.9-31

Table 8.--Lithology penetrated by borehole LWDS-BH8--Concluded

Lithologic description	Depth interval below land surface (feet)
Pebbly silty sand; sand--very fine to very coarse grained, pebbles ≤ 20% and ≤ 60 mm, cobbles approximately 1% and 63 mm to > 90 mm, sand--subangular, pebbles--angular to subrounded, cobbles--subangular (fractured by drilling), very poorly sorted; sand--quartz, feldspar, biotite, limestone, pebbles and cobbles--quartzite, limestone, granite, greenstone; 31-33.2 ft--pale-yellowish-brown (10YR6/2) with an abrupt color change to pale-reddish-brown (10R5/4) at approximately 32 ft, 33.2-36.6 ft--pale-yellowish-brown (10YR6/2); 31-33.2 ft--loose/powdery, 33.2-36.6 ft--strongly cemented with $CaCO_3$ to loose, strong reaction with HCl; dry to very slightly moist ----------	31-36.6
Silty sand with pebbles and cobbles; sand--very fine to fine grained with approximately 8% medium to very coarse grains, pebbles approximately 10% and 2 mm to 60 mm, cobbles < 1% and 80 mm to > 90 mm, sand--subangular, pebbles--angular to subrounded, cobbles--subangular to angular (due to fracturing by drilling), very poorly sorted; sand--quartz, less feldspar, limestone and mafics, pebbles--quartzite, metagranite, limestone, cobbles--limestone, quartzite; pale-yellowish-brown (10YR6/2); loose, powdery, strong reaction with HCl, moderately cemented clasts, $CaCO_3$ cement; very slightly moist----------	36.6-40.8
Pebbly sandy silt; sand--very fine to fine grained with < 5% medium to very coarse grains, pebbles approximately 15% and 2 mm to 50 mm, subangular, very poorly sorted; sand--quartz, minor feldspar, pebbles--limestone, quartzite, metagranite; very-pale-orange 10YR8/2; becomes more sandy and pebbly in lower 0.7'; loose, powdery, some $CaCO_3$ cemented clasts, strong reaction with HCl; dry ----------	40.8-42.5

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LITHOLOGIC LOG

Area 5, Liquid Waste Disposal System - (LWDS-MW1)

Note: Cuttings were collected from a vertical hole drilled by a gasoline motorized hand auger from 0' to 4'. Core was collected from 4' to 385'. Cuttings were collected by air-rotary drilling from 385' to 390'. Core was collected from 390' to 525'. On 03SEP92, during drilling of the 169'-170' interval, the drill bit met resistance on a boulder and could not penetrate any further; the hole TD'ed at 169'. Drilling resumed on a new hole adjacent to first hole on 02APR93. The new hole was drilled to 160' where coring resumed.

Lithologies logged by U.S. Geological Survey geologists Cynthia Abeyta and Joe Szalona as follows:

Depth	Date	Geologist
0' to 60'	22AUG92	C. Abeyta
60' to 169'	23AUG92 to 02SEP92	J. Szalona
160' to 171'	05APR93 to 05APR93	J. Szalona
171' to 187'	05APR93 to 06APR93	C. Abeyta
187' to 217'	08APR93	J. Szalona
217' to 243'	13APR93	C. Abeyta
243' to 314'	14APR93 to 17APR93	J. Szalona
314' to 330'	18APR93	C. Abeyta
330' to 525'	19APR93 to 02MAY93	J. Szalona

Percentage of hole logged by each geologist:

J. Szalona	78%
C. Abeyta	22%

Table 9.--Lithology penetrated by borehole LWDS-MW1

[Color designation from Rock-Color Chart (National Research Council, 1948). See figure 1 for protocol used in naming of unconsolidated sediments. %, percent; ≤ less than or equal to; ≥, greater than or equal to; <, less than; >, greater than; ft, feet; mm, millimeters; HCl, hydrochloric acid; $CaCO_3$, calcium carbonate]

Lithologic description	Depth interval below land surface (feet)
Asphalt	0-0.15
Sand (fill material); sand--fine to medium grained, minor coarse to very coarse grains, pebbles approximately 4% and ≤ 40 mm from 0.15-3.85 ft, sand--subangular to subrounded, pebbles--angular to subangular, fairly well sorted from 4-5 ft; sand--arkosic, pebbles--quartzite, limestone; moderate-yellowish-brown (10 YR5/4); loose to slightly compacted in lower 1 ft, weak to moderate reaction with HCl; slightly moist; gradational basal contact	0.15-7.5
Cobbly, pebbly sand; sand--fine to very coarse grained, cobbles and pebbles approximately 20%, pebbles ≤ 63 mm, cobbles > 90 mm (fractured by drilling), subangular to subrounded, very poorly sorted; sand--arkosic, limestone, pebbles and cobbles--limestone, quartzite, granite; moderate-yellowish-brown (10 YR5/4); loose, strong to moderate reaction with HCl; slightly moist; abrupt basal contact	7.5-13.5
Sand; sand--very fine to fine grained, one cobble > 90 mm at bottom of core (fractured by drilling), well sorted; sand--quartz, minor feldspar and biotite, cobble--metagranite/quartzite and greenstone (schist or phyllite); moderate-yellowish-brown (10 YR5/4): moderate brown (5YR4/4) clay bound on cobble; weakly to moderately cemented with $CaCO_3$, moderate to strong reaction with HCl; slightly moist	13.5-17
Clayey sand; sand--very fine to fine grained, well sorted; moderate-yellowish-brown (10 YR5/4); compacted, caliche as matrix and blebs, moderate reaction with HCl; moist (partially due to decontamination wash of core barrel); gradational basal contact	17-17.5
Sand and caliche; sand--very fine to fine grained; minor silt, pebbles approximately 3% and ≤ 15 mm, 1 cobble > 85 mm (fractured by drilling), moderately to poorly sorted; sand--quartz, minor feldspar and mafics, pebbles--granite, quartzite, limestone, cobble--quartzite; moderately compacted/cemented with $CaCO_3$ and minor clay, caliche as matrix, veins, and blebs, moderate to strong reaction with HCl; slightly moist; abrupt basal contact	17.5-21.9
Silty sand with pebbles and cobbles; sand--very fine to very coarse grained, pebbles approximately 10-15% and ≤ 63 mm, cobbles approximately 1% and ≤ 75 mm (fractured during drilling), sand--subangular, pebbles and cobbles--subangular to subrounded, poorly sorted; sand--quartz, limestone, minor feldspar, pebbles and cobbles--crystalline limestone, metagranite, quartzite, fossiliferous limestone; pale-yellowish-brown (10YR6/2) at top to moderate-yellowish-brown (10 YR5/4) at bottom; siltier at top with increasing sand towards bottom, cobbles scattered throughout; loose, powdery at top, moderate to strong reaction with HCl in upper 1 ft to weak to moderate reaction with HCl in lower 3 ft; dry	21.9-30
Sandy silt; sand--very fine to fine grained with < 3% medium to very coarse grains, pebbles < 3% and ≤ 50 mm, subangular to subrounded, poorly sorted; sand--quartzite, limestone, pebbles--metagranite, fossiliferous and cherty limestone; pale-yellowish-brown (10YR6/2); sandier towards bottom; loose, powdery, moderate to strong reaction with HCl; dry; gradational basal contact	30-32.5

Table 9.--Lithology penetrated by borehole LWDS-MW1--Continued

Lithologic description	Depth interval below land surface (feet)
Silty sand with caliche; sand--very fine to fine grained, well sorted; moderate-yellowish-brown (10 YR5/4); loose to moderately cemented with $CaCO_3$, caliche as blebs and matrix, moderate to strong reaction with HCl; very slightly moist; gradational basal contact	32.5-35
Silty sand with caliche; sand--very fine to fine grained, well sorted; moderate-yellowish-brown (10 YR5/4); loose to moderately cemented with $CaCO_3$, caliche as blebs and matrix, moderate to strong reaction with HCl; very slightly moist; gradational basal contact	32.5-35
Gravely silty sand; sand--very fine to fine grained with approximately 7% medium to very coarse grains, pebbles approximately 15% and ≤ 73 mm, 1 cobble--85 mm, mostly subangular, some subrounded, poorly sorted; sand--quartz, limestone, minor greenstone and feldspar, pebbles--granite, metagranite, limestone, quartzite, 85 mm cobble--greenstone; moderate-yellowish-brown (10 YR5/4); loose, moderate to strong reaction with HCl; dry; gradational basal contact	35-40
Sand with pebbles; sand--very fine to fine grained with < 3% medium to very coarse grains, pebbles < 8% and ≤ 48 mm, subangular, poorly sorted; sand--quartz, minor feldspar, pebbles--quartzite, limestone; moderate-yellowish-brown (10 YR5/4); loose to moderately cemented with $CaCO_3$, weak to moderate reaction with HCl	40-42
Pebbly sandy silt; sand--very fine to fine grained with < 5% medium to very coarse grains, pebbles approximately 15% and ≤ 50 mm, subangular, poorly sorted; sand--quartz, feldspar, limestone, mafics, pebbles--limestone, granite, quartzite; pale-yellowish-brown (10YR6/2); loose, powdery, moderate reaction with HCl; dry; abrupt basal contact	42-44
Silty sand with pebbles; sand--very fine to fine grained with < 3% medium to very coarse grains, pebbles < 5% and ≤ 50 mm, cobble > 90 mm, sand--subangular, pebbles--subangular to subrounded, moderately to poorly sorted; sand--quartz, minor feldspar, pebbles--granite, quartzite, metagranite, cobble--quartzite; moderate-yellowish-brown (10 YR5/4); loose to moderately compacted/cemented, $CaCO_3$ cement, moderate reaction with HCl; dry	44-47
Pebbly sandy silt; sand--very fine to fine grained with < 8% medium to very coarse grains, pebbles approximately 15% and ≤ 45 mm, sand--subangular, pebbles--subangular to subrounded, poorly sorted; sand--quartz, feldspar, limestone, pebbles--granite, quartzite, limestone; pale-yellowish-brown (10YR6/2); loose, powdery, moderate reaction with HCl; dry; gradational basal contact	47-49.5
Silty sand; sand--very fine to fine grained, well sorted; grayish orange (10YR7/4) to moderate-yellowish-brown (10 YR5/4); loose to moderately cemented with $CaCO_3$, moderate to strong reaction with HCl; dry	49.5-53
Cobbly, pebbly sandy silt; sand--approximately 40% and very fine to very coarse grained, pebbles and cobbles ≤15-20% and ≤ 80 mm, silt approximately 40%, subangular with minor subrounded pebbles and cobbles, poorly sorted; sand--quartz, limestone, feldspar, pebbles and cobbles--limestone, quartzite, granite, and greenstone; moderate-yellowish-brown (10 YR5/4) to pale-yellowish-brown (10YR6/2), 60-62 ft is moderate-orange-pink (5YR8/4); loose/powdery, moderate to strong reaction with HCl; dry, slightly moist from 60-62 ft	53-62
Sandy silt with pebbles and cobbles; sand--very fine grained, pebbles 10% and ≤ 30 mm, subangular; pebbles--quartzite; moderate-orange-pink (5YR8/4); powdery, strong reaction with HCl; slightly moist-	62-63

Table 9.--Lithology penetrated by borehole LWDS-MW1--Continued

Lithologic description	Depth interval below land surface (feet)
Pebbly, cobbly sandy silt; sand--very fine grained, pebbles 20%, cobbles 20%, pebbles and cobbles ≤ 90 mm, subangular; pebbles and cobbles--quartzite, minor limestone; moderate-orange-pink (5YR8/4); loose, strong reaction with HCl; slightly moist; abrupt basal contact	63-65.3
Silty sand with pebbles; sand--very fine to medium grained from 65.3-approximately 69 ft, 69-74.3 ft is very fine to fine grained with zones of medium grains, pebbles ≤ 12% and ≤ 63 mm, predominately < 25 mm, cobble zones from 67.8-70 ft with cobbles 12% and < 80 mm and 70-74.3 ft with cobbles 2% and ≤ 70 mm, subangular to subrounded; pebbles and cobbles--quartzite, limestone; light brown (5YR6/4), 67.8-70 ft--grayish-orange-pink (5YR7/2); loose to powdery, strong reaction with HCl; slightly moist to approximately 69 ft, moderately moist from approximately 69-74.3 ft	65.3-74.3
Sand with silt; sand--very fine to mostly medium grained, pebbles < 1% and ≤ 60 mm, subangular; pebbles--quartzite; moderate-orange-pink (5YR8/4); moderately compacted, weakly to moderately cemented with $CaCO_3$, strong reaction with HCl; moderately moist	74.3-76
Silty sand; sand--very fine to mostly medium grained, pebbles ≤ 1% and ≤ 15 mm, pebbles scattered throughout, subangular; pebbles--quartzite, minor limestone; light brown (5YR6/4); very poorly laminated; moderately compacted, slightly to moderately cemented with $CaCO_3$, strong reaction with HCl; slightly moist; abrupt basal contact	76-86.6
Pebbly silty sand; sand--very fine to medium grained in upper section and very fine to fine grained towards bottom, pebbles 15-20%, cobbles ≤8%, subangular to subrounded, cobbles are in sandy silt zones; pebbles and cobbles--limestone, quartzite; grayish-orange-pink (5YR7/2); loose to powdery, strong reaction with HCl; slightly moist; abrupt basal contact	86.6-93.6
Silty sand with pebbles; sand--very fine to mostly medium grained, pebbles 1% and ≤ 20 mm, subangular to subrounded; pebbles--limestone; light brown (5YR6/4); very poorly laminated; weakly cemented with $CaCO_3$, strong reaction with HCl; slightly moist; abrupt basal contact	93.6-94.6
Sandy silt with clay and pebbles; sand -very fine to fine grained, clay occurs in matrix, pebbles 12% and < 50 mm, subangular; pebbles--quartzite, minor limestone; grayish-orange-pink (5YR7/2); poorly laminated; loose to moderately cemented where clayey, strong reaction with HCl; slightly moist	94.6-96
Pebbly silty sand with cobbles; sand--very fine to medium grained with < 10% coarse to very coarse grains, pebbles 20-25%, pebbles and cobbles ≤ 100 mm (broken by drilling), subangular, minor subrounded; pebbles and cobbles--quartzite, minor limestone and greenstone; light brown (5YR6/4); includes zones of sandy silt with cobbles; loose where silty, weakly cemented with $CaCO_3$ where sandy, strong reaction with HCl; slightly moist	96-104.6
Silty sand; sand--very fine to mostly medium grained, one pebble 30 mm, pebble--subangular and near 106 ft; pebble--quartzite; light brown (5YR5/6); very poorly laminated; weakly cemented with $CaCO_3$, strong reaction with HCl; slightly moist; abrupt basal contact	104.6-110.3

Table 9.--Lithology penetrated by borehole LWDS-MW1--Continued

Lithologic description	Depth interval below land surface (feet)
Pebbly sandy silt and caliche; sand--very fine to fine grained, pebbles 15% and 5-30 mm, cobbles < 80 mm and near top of section, pebbles--subangular, cobbles--subangular to subrounded (some broken or cut by drilling); pebbles and cobbles--quartzite, limestone; light brown (5YR6/4); loose to weakly cemented with $CaCO_3$, strong reaction with HCl; slightly moist	110.3-115.3
Silty sand; sand--very fine to mostly medium grained; light brown (5YR5/6); very poorly laminated; weakly cemented with $CaCO_3$, strong reaction with HCl; slightly moist	115.3-117.8
Pebbly sandy silt with caliche and cobbles; sand--very fine to fine grained with medium grains in sandy central section, pebbles variable downwards from 30 to 5%, two cobbles ≤ 80 mm near upper contact, subangular with some subrounded; pebbles and cobbles--quartzite, minor limestone and greenstone; light brown (5YR6/4); loose to slightly to moderately cemented with $CaCO_3$, caliche as matrix, strong reaction with HCl; slightly moist	117.8-122
Silty sand with caliche; sand--very fine to fine grained with zones of very fine to medium grains, pebbles < 0.5% and < 30 mm, pebbles widely scattered, subangular; pebbles--greenstone, schist; light brown (5YR6/4); poorly laminated; moderately compacted, weakly cemented with $CaCO_3$, caliche as matrix and rarely as stringer, strong reaction with HCl; slight moist	122-137
Sandy silt with caliche; sand--very fine to fine grained; light brown (5YR6/4); powdery, much of recovered material is 5-10 mm nodules of slightly cemented material, caliche as matrix, strong reaction with HCl; dry to slightly moist	137-139.1
Pebbly sandy silt; sand--very fine to fine grained, pebbles 15% and ≤ 60 mm, predominately 25-30 mm, subangular to subrounded; pebbles--limestone, minor quartz and granitics; light brown (5YR6/4); loose, strong reaction with HCl; dry to slightly moist	139.1-140.1
No recovery	141.1-143
Sandy silt with pebbles; sand--very fine to fine grained, pebbles < 3% and ≤ 60 mm, predominately 25-30 mm, subangular to subrounded; pebbles--limestone, minor quartz and granitics; light brown (5YR6/4); loose, strong reaction with HCl; dry to slightly moist; abrupt basal contact	143-145
Silty sand with pebbles and caliche; sand--very fine to medium grained, pebbles increase downwards to 10% and ≤ 60 mm, subrounded to mostly subangular; pebbles--quartzite, limestone; light brown (5YR6/4); very poorly laminated; slightly cemented with central section moderately cemented, $CaCO_3$ cement, caliche as matrix, strong reaction with HCl; dry to slightly moist; abrupt basal contact	145-150.5
Sandy silt; silty sand zones gradationally interbedded, silt zones--sand is very fine to fine grained, sand zones--sand is very fine to medium grained, pebbles < 2% and ≤ 60 mm, predominately 25-30 mm, pebbles scattered, subangular to subrounded; pebbles--limestone, minor quartz and granitics; light brown (5YR6/4); poorly laminated; silt is loose, sand is weakly to strongly cemented with $CaCO_3$, caliche as matrix, strong reaction with HCl; dry to slightly moist; abrupt basal contact	150.5-156

Table 9.--Lithology penetrated by borehole LWDS-MW1--Continued

Lithologic description	Depth interval below land surface (feet)
Pebbly silty sand with caliche; sand--very fine to medium grained, pebbles 20% and 5-50 mm, pebbles in upper 2 ft, subrounded to mostly subangular; pebbles--quartzite, limestone; light brown (5YR6/4); poorly laminated; weakly to strongly cemented with $CaCO_3$ caliche as matrix, strong reaction with HCl; slightly moist	156-159
No recovery	159-160
Silty sand with clay, pebbles and cobbles; sand--very fine to fine grained, very fine to medium grained from 165-166.5 ft, pebbles 5-10% and ≤ 40 mm, three cobbles ≤ 100 mm, pebbles--subangular, cobbles--subangular; sand--arkosic with abundant quartz, biotite, pebbles and cobbles--limestone, greenstone, quartzite; light brown (5YR5/6) to light brown (5YR6/4); loose/powdery to moderately compacted, moderately cemented with $CaCO_3$ from 165-166.5 ft, strong reaction with HCl; moderately moist; gradational basal contact	160-166.5
Silty sand; sand--very fine to fine grained; sand--arkosic; light brown (5YR5/6); zones of sand with silt; moderately compacted, strong reaction with HCl; moderately moist	166.5-169.5
Pebbly silty sand with caliche; sand--very fine to fine grained with 20% medium to very coarse grains, pebbles 20% and ≤ 40 mm, predominately ≤ 20 mm, subangular; sand--arkosic, pebbles--quartzite, limestone; pinkish gray (5YR8/1); powdery, caliche very abundant as matrix, very strong reaction with HCl	169.5-171
Cobbles and pebbles in silt matrix; cobbles and pebbles approximately 70%, cobbles > 63 mm to > 90 mm, pebbles ≤ 63 mm, predominately 20-50 mm, subangular to subrounded; cobbles--quartzite, metaquartzite, banded quartzite, pebbles--quartzite, quartz sandstone; fine matrix--pale-yellowish-brown (10YR6/2); loose, silty matrix--moderate reaction with HCl; dry; gradation basal contact, abrupt color change	171-174.5
Silty sand with clay; sand--very fine to fine grained, well sorted; sand--arkosic with abundant quartz; moderate-yellowish-brown (10 YR5/4) to moderate brown (5YR4/4); clay content increases towards bottom; moderately to strongly compacted, moderate reaction with HCl; slightly moist to moist	174.5-179
Clayey silty sand; sand--very fine to fine grained with < 2% medium to very coarse grains, subangular, moderately well sorted; sand--arkosic with abundant quartz; moderate brown (5YR4/4); moderately to strongly compacted, slight reaction with HCl; moist; abrupt basal contact	179-181
Pebbly sandy silt with cobbles; sand--very fine to fine grained with approximately 8% medium to very coarse grains, pebbles approximately 5-25% and 4 to 63 mm, cobbles < 1% and > 90 mm, angular to subangular, minor subrounded, very poorly sorted; sand--arkosic with abundant quartz, pebbles and cobbles--quartzite, banded quartzite, limestone; pale-yellowish-brown (10YR6/2); loose, moderate reaction with HCl; dry	181-187
Clayey sandy silt with pebbles; sand--very fine to fine grained, pebbles 5% and 15 to 50 mm, subangular to subrounded; sand--arkosic, pebbles--limestone, minor metagranite; moderate brown (5YR4/4); moderately compacted, moderate to strong reaction with HCl; very moist; abrupt basal contact	187-188.5

Table 9.--Lithology penetrated by borehole LWDS-MW1--Continued

Lithologic description	Depth interval below land surface (feet)
Silty sand with caliche; sand--very fine to coarse grained, subangular to subrounded, becomes less coarse grained in lower 1 ft, subangular to subrounded; fine sand--arkosic, coarse sand--quartz, minor feldspar; grayish-orange-pink (5YR7/2) to light brown (5YR5/6) towards bottom; grades to sand with silt in lower approximately 0.5 ft; loose/powdery to moderately compacted towards bottom, caliche very abundant as matrix, strong reaction with HCl; slightly moist; abrupt basal contact	188.5-191
Clayey silty sand with pebbles; sand--very fine to fine grained with 5% medium to very coarse grains, pebbles 7% and 2-6 mm, pebbles--subangular to subrounded; sand--arkosic, pebbles--quartz, feldspar; light brown (5YR5/6); moderately to strongly compacted, strong reaction with HCl; very moist; fairly abrupt basal contact	191-192
Silty sand; sand--very fine to fine grained with 8% medium to very coarse grains, subangular to subrounded; sand--arkosic; light brown (5YR5/6); moderately compacted, minor caliche blebs to 15 mm, strong reaction with HCl; moderately moist	192-193.2
No recovery	193.2-195
Pebbly sand with silt; sand--very fine to very coarse grained, pebbles 40-70% and ≤ 60 mm, predominately ≤ 10 mm, sand--subangular to subrounded, pebbles--subangular, poorly sorted; sand--arkosic, pebbles--limestone, quartzite, greenstone, granite; light brown (5YR5/6); loose, strong reaction with HCl; moist to very moist; abrupt basal contact	195-197
Sandy silt with clay; sand--very fine to fine grained, clay minor; sand--arkosic; light brown (5YR5/6); moderately to strongly compacted, strong reaction with HCl; very moist	197-205
Silty pebbly sand; sand--very fine to medium grained with 10% coarse to very coarse grains, pebbles 25% and ≤ 40 mm, predominately (60%) 2-5 mm, pebbly sand with silt zone from 205.9-206.8 ft where sand is very fine to very coarse grained, pebbles 40% and < 20 mm, predominately 2-6 mm, sand--subangular, pebbles--subangular to subrounded; sand--arkosic with abundant quartz, pebbles--quartzite, granite, greenstone; light brown (5YR6/4); loose, strong reaction with HCl; slightly moist, 205.9-206.8 ft--moist; abrupt basal contact	205-209
Silty sand; sand--very fine to medium grained, subangular to subrounded; sand--arkosic; light brown (5YR5/6); moderately compacted, strong reaction with HCl; very moist; abrupt basal contact	209-210.8
Silty pebbly sand; sand--very fine to medium grained with 10% coarse to very coarse grains, pebbles 25% and ≤ 40 mm, predominately (60%) 2-5 mm, sand--subangular, pebbles--subangular to subrounded; sand--arkosic, pebbles--quartzite, granite, greenstone; light brown (5YR6/4); loose, strong reaction with HCl; slightly moist; fairly abrupt basal contact	210.8-214
Silty sand; sand--approximately 60% and very fine grained with 15% fine to medium grains, lower 1.1 ft is very fine to fine grained, finer grains--subangular, medium sand grains--subrounded, very well sorted in lower 1.1 ft; sand--arkosic with abundant quartz; light brown (5YR6/4) to moderate-yellowish-brown (10 YR5/4) towards bottom; moderately compacted, lower 1.1 ft is loose to slightly compacted, strong reaction with HCl, lower 1.1 ft has weak to moderate reaction; moderately moist; abrupt basal contact----	214-218.1

Table 9.--Lithology penetrated by borehole LWDS-MW1--Continued

Lithologic description	Depth interval below land surface (feet)
Pebbly silty sand; sand--very fine to very coarse grained, pebbles approximately 15% and ≤ 55 mm, one cobble 75 mm, sand--subangular, pebbles and cobble--subangular, very poorly sorted; sand--quartz, minor feldspar, pebbles--granite, quartzite, limestone, cobble--granite; pale-yellowish-brown (10YR6/2); loose, strong reaction with HCl; very slightly moist; fairly abrupt basal contact	218.1-223.4
Silty sand with caliche; sand--predominately very fine to fine grained with approximately 2-10% medium to very coarse grains, minor clay from 227.5-229 ft, pebbles < 2% and ≤ 10 mm, coarser sand--subangular, moderately well to well sorted; sand--quartz, minor feldspar, pebbles--quartzite, limestone; light brown (5YR5/6), moderate-yellowish-brown (10 YR5/4) where caliche is more abundant, moderate brown (5YR4/4) where clay is present; moderately to strongly compacted/cemented, caliche as blebs, stringers, and as matrix mostly from 223.4-227.5 ft, moderate to strong reaction with HCl; 223.4-227.5 ft--slightly to moderately moist, 227.5-229 ft--moderately moist to moist	223.4-229
Clayey silty sand; sand--very fine to fine grained with < 2% medium to very coarse grains, coarser sand--subangular, well sorted; sand--quartz, minor feldspar; moderate-yellowish-brown (10 YR5/4), moderate brown (5YR4/4) where clay is more abundant; strongly compacted, moderate to strong reaction with HCl; moderately moist to moist	229-233.7
Cobbly pebbly silty sand; sand--very fine to very coarse grained, pebbles approximately 20% and ≤ 63 mm, cobbles approximately 15% and 63 mm to > 80 mm (fractured by drilling), sand, pebbles and cobbles--subangular to angular, very poorly sorted; sand--predominately quartz and limestone, less feldspar, pebbles--limestone, quartzite, granite, cobbles--limestone; pale-yellowish-brown (10YR6/2) to light brown (5YR6/4); loose, moderate reaction with HCl; dry to very slightly moist; gradational basal contact	233.7-239.8
Silty sand; sand--very fine to fine grained, pebbles < 0.5% and 2 to 4 mm, pebbles--subangular to angular, well sorted; sand predominately quartz, minor feldspar, pebbles--quartzite, limestone; moderate-yellowish-brown (10 YR5/4) to light brown (5YR5/6); moderately to strongly cemented with $CaCO_3$, friable, strong reaction with HCl; slightly moist	239.8-241.4
No recovery	241.4-243
Sand with silt; sand--very fine to fine grained with 10-20% medium to very coarse grains, pebbles < 0.5% and 15-40 mm from approximately 243-245.5 ft and 7% and ≤ 5 mm from approximately 245.5-246 ft with one 60 mm clast, sand--angular to subangular, some subrounded, pebbles--subangular; sand--arkosic, medium to coarse sand--quartz, minor feldspar, pebbles--quartzite, limestone, weathered granite, clast is weathered greenstone; 243-approximately 245.5 ft--light brown (5YR5/6), approximately 245.5-250 ft--moderate-orange-pink (5YR8/4); loose to moderately compacted, weakly cemented with $CaCO_3$, strong reaction with HCl; very moist to moderately moist towards bottom; abrupt basal contact at approximately 245.5 ft (pebbly zone)	243-250

Table 9.--Lithology penetrated by borehole LWDS-MW1--Continued

Lithologic description	Depth interval below land surface (feet)
Silty sand; sand--very fine to fine grained with 5-20% medium to coarse grains, sandstone lens fragment 25 mm thick at approximately 253.6 ft, subangular; sand--arkosic, larger sand grains--quartz; 250-252 ft--light brown (5YR5/6), 252-256 ft--light brown (5YR6/4), sandstone lens light brown (5YR6/4); moderately compacted, 252-256 ft also weakly to moderately cemented with $CaCO_3$, sandstone lens very hard and cemented with $CaCO_3$, strong reaction with HCl; 250-252 ft--very moist, 252-256 ft--moderately moist; fairly gradational basal contact	250-256
Sandy silt; sand--≤ 30 -40%, decreasing downward, and very fine to coarse grained, very fine with minor fine to medium grains from 264-273 ft, zones of silty sand, boulder at approximately 264-265 ft with few pebbles 20-35 mm, sand and pebbles--mostly subangular to subrounded; sand--arkosic, coarser sand grains--quartz, pebbles--limestone, boulder--quartzite; 256-264 ft--light brown (5YR6/4), 264-265 ft (boulder zone)--grayish-red-purple (5RP4/2), 265-273 ft--dark-yellowish-orange (10YR6/6); loose/ powdery where disturbed, moderately to firmly compacted and moderately to strongly cemented with $CaCO_3$ where undisturbed, strong reaction with HCl; 256-258 ft--moderately moist, 258-273 ft--very moist	256-273
Silty sand; very fine grained with minor fine to medium grains; sand--arkosic; light brown (5YR6/4); moderately compacted, strong reaction with HCl; very moist	273-274.5
Pebbles in sandy silt matrix; sand--45% of matrix and very fine to very coarse grained, pebbles 80% and ≤ 63 mm, 1 cobble 100 mm (fractured by drilling), sand--angular to subangular, pebbles--subangular; sand--arkosic, coarser grains similar to pebbles, pebbles--quartzite, limestone, metagranite, includes fragments of sandstone lens, cobble--quartzite; light brown (5YR6/4); loose to powdery, caliche very abundant as matrix in lower 0.5 ft, strong reaction with HCl; moderately moist; abrupt basal contact due to cobble	274.5-277.3
Pebbly sand with silt; sand--very fine to very coarse grained, pebbles 35% and ≤ 30 mm, predominately < 6 mm, sand--angular to subangular, pebbles--angular to subangular with few subrounded; sand--arkosic, coarser grains similar to pebbles, pebbles--quartzite, limestone, greenstone; light brown (5YR6/4); central 0.3 ft zone is less pebbly; loose to moderately compacted, moderately cemented with $CaCO_3$, strong reaction with HCl; very moist; abrupt basal contact	277.3-279.4
Silty sand; sand--very fine to medium grained; sand--arkosic; light brown (5YR5/6); loose to moderately compacted, moderately cemented with $CaCO_3$, strong reaction with HCl; very moist	279.4-280
Silt; sand--approximately 3% and very fine grained; sand--arkosic; light brown (5YR5/6); moderately to strongly compacted, moderately cemented with $CaCO_3$, strong reaction with HCl; very moist; abrupt basal contact	280-284.3

Table 9.--Lithology penetrated by borehole LWDS-MW1--Continued

Lithologic description	Depth interval below land surface (feet)
Silty sand with pebble zones; sand--very fine to fine grained or very fine to medium grained, very fine to very coarse grained in upper 0.7 ft, pebbles (zonal), < 50% and ≤ 60 mm within zones sand--angular to subangular, pebbles--subangular (fractured due to drilling); sand--arkosic, coarser sand grains similar to pebbles, pebbles--quartzite, minor limestone, granite, greenstone, and schist; 25 mm thick conglomeratic lens fragments of $CaCO_3$ cemented pebbles in 284.3-285 ft zone; matrix--light brown (5YR6/4), 292-294 ft--light brown (5YR5/6); pebble zones from 284.3-292 ft, 285.6-286 ft, 286.8-287.2 ft, and 288.9-289.3 ft; loose to moderately compacted, weakly to moderately cemented with $CaCO_3$, strong reaction with HCl; very moist; abrupt basal contact	284.3-294
Pebbly silty sand with caliche; sand--very fine to very coarse grained, very fine to medium grained where siltier (294-295 ft and 298-299 ft), pebbles 20% and ≤ 63 mm, one cobble--150 mm, sand--angular to subangular, pebbles--subangular with few subrounded, cobble--subangular, poorly sorted; sand--arkosic with abundant quartz, limestone, pebbles--mostly limestone, less quartzite, minor greenstone and weathered granite, cobble--limestone; light brown (5YR6/4); loose/powdery to moderately/firmly compacted and moderately cemented with $CaCO_3$, caliche abundant as matrix, strong reaction with HCl; 294-302.3 ft--moderately moist, 302.3-304 ft--very moist	294-304
Silty sand; sand--very fine to fine grained with minor medium to very coarse grains, coarser sand grains--angular to subangular, well sorted; sand--arkosic with abundant quartz; 304-approximately 313 ft--light brown (5YR5/6), approximately 313-316.5 ft- moderate-yellowish-brown (10 YR5/4); moderately to firmly compacted, moderately cemented with $CaCO_3$, moderate to strong reaction with HCl; moderately to very moist; gradational basal contact	304-316.5
Sand with silt; sand--very fine to medium grained with < 5% coarse to very coarse grains, angular to subangular, moderately well sorted; sand--arkosic, quartz abundant; moderate-yellowish-brown (10 YR5/4); loose, strong reaction with HCl; moist; gradational basal contact	316.5-317.6
Pebbly sandy silt; sand--predominately very fine to fine grained with approximately 10% medium to very coarse grains, pebbles approximately 15% and ≤ 37 mm, sand and pebbles--angular to subangular, poorly sorted; sand--arkosic with abundant quartz, pebbles--limestone, quartzite, granite; very-pale-orange (10YR8/2); loose with some zones of moderately cemented clasts, $CaCO_3$ cementing, friable, strong reaction with HCl; dry	317.6-319
Sandy silt; sand--very fine grained, well sorted; sand--arkosic with abundant quartz; pale-yellowish-brown (10YR6/2); loose/powdery, strong reaction with HCl; dry; gradational basal contact	319-320.2
Sand with silt; sand--very fine to fine grained with < 2% medium to very coarse grains, 320.2 ft to approximately 320.8 ft contains minor clay, coarser grains--subangular to angular, well to very well sorted; sand--arkosic with abundant quartz; 320.2-320.8 ft--moderate-yellowish-brown (10 YR5/4) to moderate brown (5YR4/4), 320.8-325 ft grayish orange (10YR7/4) to dark-yellowish-orange (10YR6/6); moderately compacted, moderately compacted/cemented with $CaCO_3$ cement from 324-326 ft, friable, moderate reaction with HCl at top to strong reaction towards bottom; dry to moist; gradational basal contact	320.2-325

Table 9.--Lithology penetrated by borehole LWDS-MW1--Continued

Lithologic description	Depth interval below land surface (feet)
Silty sand; sand--predominately very fine to fine grained with approximately 11% medium to very coarse grains, pebbles < 0.5% grading downward to approximately 10% at 328-329 ft and ≤ 20 mm, coarser sand--subangular to angular, pebbles--angular to subrounded, few subrounded, moderately well sorted; to poorly sorted towards bottom sand--arkosic with abundant quartz, pebbles--limestone, quartzite, schist, greenstone, granite; grayish orange (10YR7/4) to moderate-yellowish-brown (10 YR5/4); loose to moderately to strongly cemented, $CaCO_3$ cement, strong reaction with HCl; dry to slightly moist towards bottom; gradational basal contact	325-329
Pebbly sandy silt; sand--predominately very fine to fine grained with approximately 10-20% (increasing downward) medium to very coarse grains, pebbles 15-20% and ≤ 55 mm, sand and pebbles--angular to subangular, poorly sorted; sand--arkosic with abundant quartz, pebbles--quartzite, granite, limestone, greenstone; very-pale-orange (10YR8/2) to pale-yellowish-brown (10YR6/2); loose to strongly cemented, $CaCO_3$ cement, visible $CaCO_3$ cement between coarse grained sand, very strong reaction with HCl; very slightly moist to dry	329-331
Silty sand; very fine to fine grained with zones of very fine to very coarse grains (medium to very coarse grains usually being < 15%), sand--angular to subangular, minor subrounded, poorly sorted in presence of medium to very coarse sands; sand--arkosic, larger sand grains mostly quartz; 331-332 ft--light brown (5YR6/4), 332-approximately 334 ft--dark-yellowish-orange (10YR6/6), approximately 334-348 ft--light brown (5YR5/6) to light brown (5YR6/4); loose to powdery at top approximately 3 ft, otherwise moderately compacted, moderately to strongly cemented with $CaCO_3$, strong reaction with HCl; 331-332 ft--slightly moist, 332-348 ft--moderately to very moist	331-348
Sandy silt; sand--very fine grained or fine to very fine grained, pebbly sandy silt zone from approximately 353.5-354 ft with pebbles 20% (within zone) and ≤ 15 mm, 2 clasts 25 mm (fractured by drilling), pebbles--subangular; sand--arkosic, pebbles--quartzite, limestone, granite, metagranite; light brown (5YR6/4); loose to moderately to firmly compacted, moderately cemented with $CaCO_3$, 0.3 ft zone near 354 ft has abundant caliche as matrix, strong reaction with HCl; moderately to very moist	348-356
Silt with sand; sand 5% to 10% and very fine to fine grained; sand--arkosic; light brown (5YR5/6); moderately compacted, moderately to strongly cemented with $CaCO_3$, strong reaction with HCl; very moist; abrupt basal content	356-360.4
Sandy silt grading to Silty sand; sand--very fine grained grading to very fine to medium grained with 5-10% coarse to very coarse grains, larger sand grains--angular to subangular; sand--arkosic, larger sand grains--quartz; light brown (5YR6/4); moderately compacted, weakly to moderately cemented with $CaCO_3$, strong reaction with HCl; moderately to very moist; abrupt basal contact	360.4-361.9
Pebbly silty sand; sand--very fine to fine grained with 20% medium to very coarse grains, pebbles 20% and < 50 mm, sand--angular to subangular, pebbles--subangular, poorly sorted; sand--arkosic, larger sand grains--quartz, pebbles--limestone, metagranite; light brown (5YR6/4); loose to moderately compacted, moderately cemented with $CaCO_3$; moderately moist; abrupt basal contact	361.9-363

Table 9.--Lithology penetrated by borehole LWDS-MW1--Continued

Lithologic description	Depth interval below land surface (feet)
Sand with silt; sand--very fine to very fine grained with 5% medium grains, silt minor; sand--arkosic with abundant quartz; dark-yellowish-orange (10YR6/6); loose; very moist; abrupt basal contact ----------	363-363.5
Pebbly sand with silt; sand--very fine to fine grained with 30% medium to very coarse grains, pebbles 35% and < 50 mm, predominately < 6 mm, silt minor, larger sand grains--angular to subangular, pebbles--subangular, very poorly sorted; sand--arkosic with abundant quartz, pebbles--limestone, quartzite; dark-yellowish-orange (10YR6/6); loose to moderately compacted, moderately cemented with $CaCO_3$, caliche powder abundant around larger pebbles 0.6 ft from top of section, strong reaction with HCl; very moist ----------	363.5-366
Silty sand and Sandy silt; sand--very fine to fine grained with minor medium grains; sand--arkosic; light brown (5YR5/6); siltstone lens fragments 50-60 mm thick occur in upper section and one in lower central section; moderately to firmly compacted, moderately cemented with $CaCO_3$, strong reaction with HCl; very moist; gradational basal contact ----------	366-371.6
Sand with silt and pebbles; sand--very fine to fine grained with 10% medium to very coarse grains, pebbles < 40 mm, cobble at base of section (broken in drill bit to approximately 100 mm), pebbles and cobble--subangular; sand--arkosic, pebbles--limestone, quartzite, granite, greenstone, cobble--quartzite; dark-yellowish-orange (10YR6/6); moderately to firmly compacted, weakly cemented with $CaCO_3$, strong reaction with HCl; very moist ----------	371.6-375
Sandy silt; sand--very fine to fine grained or very fine to medium grained, upper section has scattered pebbles 1% and < 5 mm, pebbles--angular to subangular; sand--arkosic with abundant quartz, pebbles--limestone, quartzite; 375-approximately 384 ft--light brown (5YR5/6), approximately 384-385 ft--light brown (5YR6/4), 385-390 ft--dark-yellowish-orange (10YR6/6); loose to moderately compacted, powdery in some zones, moderately cemented with $CaCO_3$, caliche abundant as matrix from 383-385 ft, strong reaction with HCl; very moist, slightly moist where caliche is abundant (383-385 ft) ----------	375-390
Pebbly sand; sand--very fine to very coarse grained, pebbles 35% and < 35 mm, predominately (80%) < 12 mm, sand--angular to subangular, poorly started; sand--arkosic with abundant quartz, pebbles--limestone, quartzite, minor greenstone and granite; light brown (5YR6/4); few lenses (30-60 mm thick) of fine to medium grained sand and 5 mm poorly defined lenses of smaller size pebbles; loose to moderately compacted, weakly cemented with $CaCO_3$, strong reaction with HCl; very moist; abrupt basal contact ----	390-392
Sand with silt; sand--very fine to fine grained with 10% medium grains; sand--arkosic with abundant quartz; dark-yellowish-orange (10YR6/6); moderately compacted, strong reaction with HCl; very moist -	392-394
Silty sand; sand--very fine to fine grained grading to very fine to medium grained with 5-10% coarse to very coarse grains, pebbles and cobbles < 1% and < 70 mm, pebbles--subangular (freshly broken by drilling); sand--arkosic with abundant quartz, pebbles and cobbles--quartzite, limestone, minor greenstone; dark-yellowish-orange (10YR6/6) to light brown (5YR6/4); larger clasts occur as 0.2 ft lenses, poorly cemented and coated with caliche, 0.2 ft clay zone at approximately 407.5-407.7 ft with abrupt upper and basal contacts; moderately to strongly compacted, weakly to moderately cemented with $CaCO_3$ strong reaction with HCl; very moist; basal contact is a pebble/cobble lens ----------	394-411.9

Table 9.--Lithology penetrated by borehole LWDS-MW1--Continued

Lithologic description	Depth interval below land surface (feet)
Silt with sand; sand--very fine grained, 0.2 ft siltstone lens at top; sand--arkosic; light brown (5YR5/6); powdery in central 0.2 ft zone, moderately compacted and moderately cemented with $CaCO_3$, caliche as matrix more abundant in upper section, strong reaction with HCl; very moist	411.9-414
Silty sand; sand--very fine to medium grained, pebbles < 50 mm in a 0.2 ft zone 1 ft from top of interval, sand--angular to subrounded, pebbles--subangular; sand--arkosic with abundant quartz, pebbles--quartzite, limestone; 414-417 ft--dark-yellowish-orange (10YR6/6), 417-425 ft--light brown (5YR5/6); moderately compacted, moderately cemented with $CaCO_3$, strong reaction with HCl; very moist	414-425
Sand; very fine to medium grained with 10% coarse to very coarse grains grading to very fine to fine grained, subangular to few subrounded; sand--arkosic with abundant quartz; light brown (5YR5/6); moderately compacted, moderately cemented with $CaCO_3$, strong reaction with HCl; very moist	425-429
Silt with minor clay; silt--arkosic; light brown (5YR5/6); moderately to strongly compacted/cemented with $CaCO_3$, strong reaction with HCl; very moist; gradational basal contact	429-431.5
Silty sand; sand--very fine to fine grained with 7% medium grains; sand--arkosic; dark-yellowish-orange (10YR6/6); sandstone lens fragments (disturbed) in lower central section; loose to moderately compacted, weakly to moderately cemented with $CaCO_3$, strong reaction with HCl; very moist	431.5-436
Pebbly silty sand with cobble; sand--very fine to very coarse grained, pebbles 20% and < 60 mm, cobble approximately 100 mm (broken by drilling), sand--angular to subangular, pebbles and cobble--subangular, poorly sorted (disturbed); sand--arkosic with abundant quartz, limestone, pebbles--limestone, quartzite, cobble--quartzite; light brown (5YR5/6); loose to moderately compacted, weakly to moderately cemented with $CaCO_3$, strong reaction with HCl; moderately moist; abrupt basal contact	436-441.5
Sandy silt; sand--very fine to fine grained with 5% medium grains; sand--arkosic; dark-yellowish-orange (10YR6/6); moderately compacted, weakly to moderately cemented with $CaCO_3$, strong reaction with HCl; very moist	441.5-444
Silty sand; sand--very fine to medium grained, clay minor from 444-447 ft, gradational zones of sandy silt from 447-454 ft, angular to subangular; sand--arkosic; light brown (5YR5/6); moderately compacted, moderately cemented with $CaCO_3$ from 447-454 ft, strong reaction with HCl; very moist (possibly saturated from 444-454 ft)	444-454
Sandy silt with clay; sand--very fine to fine grained or very fine to medium grained; sand--arkosic; light brown (5YR5/6); moderately compacted, moderately to strongly cemented with $CaCO_3$, abundant caliche as matrix in lower 3.2 ft, strong reaction with HCl; very moist in upper section, moderately moist in lower section; gradational basal contact	454-459
Silty sand with caliche; sand--very fine to fine grained with < 10% medium grains; sand--arkosic with abundant quartz; light brown (5YR6/4); powdery, remnant pieces are moderately compacted and strongly cemented with $CaCO_3$, caliche very abundant as matrix, strong reaction with HCl; slightly to moderately moist; abrupt basal contact	459-460

Table 9.--Lithology penetrated by borehole LWDS-MW1--Continued

Lithologic description	Depth interval below land surface (feet)
Sandy silt; sand--very fine to fine grained; sand--arkosic; light brown (5YR5/6); moderately to firmly compacted, moderately cemented with $CaCO_3$, strong reaction with HCl; moderately to very moist; gradational basal contact	460-464
Silty sand; sand--very fine to medium grained, pebbles 5% and < 10 mm in lower 0.5 ft, pebbles--subangular to subrounded; sand--arkosic with abundant quartz, pebbles--limestone, quartzite, matrix of lower 0.5 ft has abundant magnetite particles; dark-yellowish-orange (10YR6/6), lower 0.5 ft is light brown (5YR5/6) with pale olive (10Y6/2) and light-olive-gray (5Y5/2) rind on core; moderately to strongly compacted, moderately cemented with $CaCO_3$, strong reaction with HCl; very moist	464-469.5
Pebbly silty sand; sand--very fine to medium grained, pebbles 40% and < 60 mm, 1 cobble > 80 mm (broken by drilling), pebbles--subangular; sand--arkosic with abundant quartz, pebbles--limestone, quartzite, cobble--limestone; light brown (5YR5/6), matrix over base of pebbly zone--pale olive (10Y6/2) and light-olive-gray (5Y5/2); matrix has abundant magnetite particles; moderately to strongly compacted, caliche/$CaCO_3$ as matrix and surface coating/cement on clasts, strong reaction with HCl; very moist; abrupt basal contact	469.5-470.8
Silty sand; 470.8-approximately 497 ft--sand is very fine to fine grained with ≤5% medium grains in zones, grades to very fine grained with abundant silt from approximately 473-476 ft, 497-505.5 ft--sand is very fine to medium grained with very coarse grains from 497-498 ft, 476-477 ft contains 30 mm sandstone lens, 477-494 ft contains two 70 mm semi-consolidated sandstone lenses about 2 feet apart, approximately 499.5-505.5 ft has pebbles < 0.5% and ≤ 12 mm, predominately < 5 mm, minor clay in scattered zones, larger sand grains--subangular, pebbles--subangular, well sorted to poorly sorted where coarser grains are present; sand--arkosic, larger sand grains--quartzite, pebbles--limestone, quartz; 470.8-approximately 499.5 ft--light brown (5YR5/6), approximately 499.5-505.5 ft--dark-yellowish-orange (10YR6/6); one 40 mm siltstone lens in center of section; moderately to firmly compacted, zones moderately to strongly cemented with $CaCO_3$, strong reaction with HCl; 470.8-477 ft is very moist; 2.8 ft zone from 477-494 ft is wet (saturated) and dry(?) below (depths uncertain), 494-495 ft is very moist, 495-505.5 ft is wet (saturated), moist where cemented; abrupt basal contact	470.8-505.5
Pebbly, cobbly, silty sand; sand--very fine to fine grained with 15% medium to coarse grains, pebbles and cobbles 40%, and < 100 mm, subangular; sand--arkosic, larger sand grains--quartz, pebbles and cobbles--quartzite, very weathered greenstone, minor limestone; dark-yellowish-orange (10YR6/6); zone shows much decomposition; firmly compacted, $CaCO_3$ as coating on clasts and as weak cement, strong reaction with HCl; wet to moist; abrupt basal contact	505.5-506.8
Silty sand; sand--very fine to fine grained with ≤10% medium grains from 506.8-509.5 ft and very fine to medium grained with 0-20% coarse to very coarse grains from 521-522.1 ft, clay minor from 508.5-521 ft, pebbles <3% and < 20 mm, predominately ≤ 5 mm, from approximately 519-522.1 ft, sand--angular to subangular; sand--arkosic, with abundant quartz from 521-522.1 ft, pebbles--limestone, quartzite, and greenstone; 506.8-508.6 ft--dark-yellowish-orange (10YR6/6), 508.6-522.1 ft--light brown (5YR5/6); moderately to strongly compacted, 506.8-508.6 ft has central zone moderately cemented with $CaCO_3$, strong reaction with HCl; wet (saturated), moist where cemented; abrupt basal contact	506.8-522.1

Table 9.--Lithology penetrated by borehole LWDS-MW1--Concluded

Lithologic description	Depth interval below land surface (feet)
Pebbly silty sand with cobble; sand--very fine to medium grained with poorly defined disturbed zones of coarse to very coarse grains, pebbles 30-70% and ≤ 50 mm, predominately ≤ 8 mm, cobble > 90 mm (broken by drilling), sand and pebbles--angular to subangular; sand--arkosic with abundant quartz, quartzite, limestone, pebbles--quartzite, limestone, cobble--quartzite; conglomeratic lens, fragments (< 5 mm) of angular to subangular sand and pebbles strongly cemented with $CaCO_3$; light brown (5YR5/6); moderately compacted, strong reaction with HCl; saturated; abrupt basal contact ----------	522.1-523.4
Silty sand; sand--very fine to medium grained with 0-20% coarse to very coarse grains, pebbles < 2% and < 6 mm, angular to subangular; sand--arkosic with abundant quartz, pebbles--limestone, quartzite; light brown (5YR5/6); moderately compacted, strong reaction with HCl; saturated ----------	523.4-523.8
No recovery ----------	523.8-525

SANDIA NATIONAL LABORATORIES
ALBUQUERQUE ENVIRONMENTAL RESTORATION PROGRAM

LITHOLOGIC LOG

Area 5, Liquid Waste Disposal System - (LWDS-MW2)

Note: On 12-13AUG92 core was collected from 0' to 86' in a hole called LWDS-3. A new hole was started approximately 7' west of LWDS-3. The new hole was reamed to 89.6' where coring resumed on 06SEP92. The well location name was renamed LWDS-MW2. A third hole was started approximately 10' east of the original hole. The new hole was reamed to 116' where coring resumed on 17SEP92. Core was collected from 116' to 500'. Cuttings were collected by air-rotary drilling from 500' to 530'. Core was collected from 530' to 531' total depth.

Lithologies logged by U.S. Geological Survey geologists Cynthia Abeyta and Joe Szalona as follows:

Depth	Date	Geologist
0' to 86'	12AUG92 to 13AUG92	C. Abeyta
86' to 531'	06SEP92 to 21OCT92	J. Szalona

Percentage of hole logged by each geologist:

C. Abeyta	16%
J. Szalona	84%

Table 10.--Lithology penetrated by borehole LWDS-MW2

[Color designation from Rock-Color Chart (National Research Council, 1948). See figure 1 for protocol used in naming of unconsolidated sediments. %, percent; ≤ less than or equal to; ≥, greater than or equal to; <, less than; >, greater than; ft, feet; mm, millimeters; HCl, hydrochloric acid; $CaCO_3$, calcium carbonate]

Lithologic description	Depth interval above land surface (feet)
NOTE: For lithology of 0-96 ft see lithologic log for LWDS-B13 which is located approximately 7 ft east of LWDS-MW2. LWDS-MW1 was reamed to 89.5 ft where coring resumed ----------	0-96
Silty sand; sand--very fine to medium grained, pebbles < 2% and ≤ 30 mm, pebbles--angular to subangular; pebbles--limestone, quartzite, minor decomposed granite; light brown (5YR5/6); moderately compacted/cemented with $CaCO_3$, caliche occurs as blebs and as matrix in upper section, strong reaction with HCl; slightly to moderately moist; abrupt basal contact ----------	89.5-92.5
Pebbly sandy silt; sand--very fine to fine grained, mostly coarse grained where sandy, pebbles 25% and ≤ 63 mm, sand, pebbles--angular to subrounded; sand--arkosic with abundant quartz, pebbles--quartzite; very-pale-orange (10YR8/2) where silty; becomes more sandy and less gravely towards bottom; loose to weakly cemented, strong reaction with HCl; slightly moist ----------	92.5-94
Sandy silt with pebbles; sand--very fine to fine grained with silty sand lenses ≥25 mm thick of mostly medium sand, pebbles < 8% and ≤ 25 mm, cobbles <5% from approximately 94-95.5 ft, section contains zones of silty sand with pebbles, pebbles and cobbles--angular to subrounded; pebbles--limestone, cobbles--quartzite; light brown (5YR6/4), light brown (5YR5/6) where sandy; loose to moderately cemented where sandy, $CaCO_3$ cement, strong reaction with HCl; slightly moist ----------	94-97.6
Cobbly pebbly sandy silt; sand--very fine to fine grained, pebbles 25% and ≤ 40 mm, cobble--120 mm, pebbles and cobble--subangular; pebbles and cobble--limestone; slightly moist; abrupt basal contact ----	97.6-98.3
Silty sand; sand--very fine to mostly medium grained, pebbles < 5% and ≤ 30 mm from 98.3-102.5 ft, 1% and ≤ 8 mm from 102.5-107 ft, pebbles--angular to subrounded, pebbly at upper contact, pebbles ≤ 30 mm also occur in a 50 to 100 mm thick zone from approximately 106-107 ft, otherwise pebbles scattered; pebbles--limestone, quartzite, greenstone, minor sandstone; light brown (5YR5/6); very poorly laminated, caliche increases as matrix and minor stringers in lower section; moderately compacted/cemented, $CaCO_3$ cement, caliche occurs as matrix and few stringers from 102.5-107 ft, strong reaction with HCl; 98.3-102.5 ft--slightly moist, 102.5-107 ft--moderately moist ----------	98.3-107
Pebbles in clayey, sandy silt matrix; sand--very fine to medium grained, coarse to very coarse grained where pebbly, pebbles 50% and ≤ 63 mm, predominately 16 to 32 mm, pebbles--subangular to subrounded and clast supported; pebbles--limestone, quartzite; light brown (5YR5/6); moderately to strongly compacted/cemented, $CaCO_3$ cement; moist; abrupt basal contact due to cementation ----------	107-108.5
Pebbles and cobbles in sandy silty matrix; sand--very fine to fine grained with minor medium to very coarse grains, pebbles 35% and 16 to 63 mm, cobbles 20% and < 100 mm, angular to mostly subangular; pebbles and cobbles--quartzite; pale-yellowish-brown (10YR6/2); loose, strong reaction with HCl; slightly moist; abrupt basal contact ----------	108.5-111.5

Table 10.--Lithology penetrated by borehole LWDS-MW2--Continued

Lithologic description	Depth interval above land surface (feet)
Silty sand; sand--very fine to medium grained, well sorted; 111.5-113 ft--light brown (5YR5/6), 113-116 ft--light brown (5YR6/4); poorly laminated; moderately compacted/cemented, $CaCO_3$ cement, caliche as matrix and minor blebs from approximately 114-116 ft, strong reaction with HCl; 111.5-113 ft--slightly moist, 113-116 ft--moderately moist	111.5-116
NOTE: A new hole was started approximately 10 ft east of the original hole (LWDS-3). The new hole was reamed to 116 ft where coring resumed	
Silty sand with pebbles; sand--medium to very coarse grained with minor very fine to fine grains, pebbles < 5% and < 8 mm where sandy, pebbly zones 20 to 40% and 16 to 63 mm, cobbles < 0.5% and 70 to 120 mm, sand--subangular to subrounded, pebbles and cobbles--subrounded to mostly subangular with fragment breaks (due to drilling); sand--arkosic, pebbles and cobbles--limestone, quartzite, minor greenstone; matrix--moderate-yellowish-brown (10YR5/4); zones of interbedded pebbles and cobbles in a silty sand matrix, cobbles occur in mid-lower pebbly zone, poorly laminated where sandy, powdery caliche is found as coating around limestone cobbles and pebbles; moderately compacted, sand--weakly cemented with $CaCO_3$, moderate to strong reaction with HCl; slightly moist	116-124.5
No recovery	124.5-127
Silty sand; sand--127-129.6 ft is very fine to medium grained, 129.6-131.9 ft is very fine to fine grained, well sorted; 127-129.6 ft--moderate-yellowish-brown (10YR5/4), 129.6-131.9 ft--light brown (5YR6/4); poorly laminated, 20 mm lens of well cemented very fine to very coarse grained sand at 129.6 ft; loose to moderately compacted, weakly/moderately cemented with $CaCO_3$, caliche occurs as matrix, strong reaction with HCl; slightly moist	127-131.9
No recovery	131.9-136
Silty sand with caliche; sand--very fine to medium grained, well sorted; light brown (5YR5/6); poorly laminated; moderately compacted, weakly to strongly cemented with $CaCO_3$, caliche as scattered stringers and as matrix increasing towards bottom, strong reaction with HCl; slightly moist; gradational basal contact	136-142
Pebbly silty sand; sand--very fine to very coarse grained, pebbles 35% and ≤ 60 mm, very poorly sorted; pebbles--limestone, quartzite, minor weathered porphyry; grayish-orange-pink (5YR7/2); moderately compacted, loose to powdery where caliche coats limestones, strong reaction with HCl; slightly moist	142-143
Silty sand; sand--very fine to mostly medium grained, pebbles in 1.3 ft zone near 143 ft are 25% and < 40 mm, subangular with minor subrounded, matrix is well sorted, pebbles are poorly sorted, minor clay; pebbles--quartzite, granite, minor limestone; light brown (5YR5/6); poorly laminated; moderately to firmly compacted, weakly to strongly cemented with $CaCO_3$, caliche as scattered stringers and as matrix, strong reaction with HCl; slightly moist	143-151.9
No recovery	151.9-154.5

Table 10.--Lithology penetrated by borehole LWDS-MW2--Continued

Lithologic description	Depth interval above land surface (feet)
Silty sand; sand--very fine to fine grained in the upper and lower sections and grades to mostly medium in the central section, well sorted, minor clay; moderate brown (5YR4/4) where coarser, to light brown (5YR6/4); poorly laminated; loose to weakly cemented or strongly compacted and moderately to strongly cemented in coarser central section, caliche occurs as scattered stringers and as matrix mostly in the upper and lower sections, strong reaction with HCl; very moist in central section, otherwise slightly moist -------	154.5-162
Clayey silt with sand; sand--very fine to fine grained, well sorted; moderate brown (5YR4/4); contains zones of silty sand with clay; moderately to firmly compacted, minor caliche in the upper section as blebs or nodules < 25 mm, grades downward from strong reaction with HCl to no reaction; grades downward from moist/very moist to saturated; abrupt basal contact due to moisture content and absence of caliche --	162-166.9
Silty sand with caliche; sand--very fine to fine grained, minor clay, well sorted; moderate-orange-pink (5YR8/4); moderately compacted, loose and weakly cemented, weakly to moderately cemented in central zone, caliche abundant except in 1.3 ft central zone where it is absent, strong reaction with HCl; slightly moist, very moist where caliche is absent ----------	166.9-174
No recovery ----------	174-177
Silty sand with caliche; sand--very fine to fine grained, minor clay, 181.1-181.4 ft has pebbles 1% grading downward to 10% and ≤ 12 mm, 75 mm cobble at 181.1 ft, pebbles--subangular, few subrounded, well sorted; sand--arkosic, pebbles--mafics, cobble--limestone; moderate brown (5YR4/4), 181.1-181.4 ft--grayish orange (10YR7/4); poorly laminated; moderately to strongly compacted and moderately cemented with $CaCO_3$, caliche as matrix, 181.1-181.4 ft--caliche also as nodules ≤ 6 mm, blebs and stringers, strong reaction with HCl; very moist; abrupt basal contact ----------	177-182.8
No recovery ----------	182.8-187
Silty sand with clay; sand--very fine to fine grained, well sorted; moderate brown (5YR4/4), light brown (5YR6/4) in central section; poorly laminated; moderately compacted/cemented with $CaCO_3$, caliche occurs as matrix with greatest content in central section, strong reaction with HCl; very moist; gradational basal contact ----------	187-193.6
Sandy silty clay; sand--very fine to fine grained, very well sorted; moderate brown (5YR4/4); moderately to strongly compacted, no reaction with HCl; very moist to saturated ----------	193.6-194.5
Silty sand with clay and caliche; sand--very fine to fine grained, pebbles 5% near basal contact, otherwise scattered, < 1% and ≤ 25 mm, subangular, few subrounded; pebbles--granite, feldspar quartz, limestone, sandstone; light brown (5YR6/4); poorly laminated; moderately compacted/cemented with $CaCO_3$ cement, caliche occurs as matrix, blebs and nodules ≤ 8 mm near base of interval, strong reaction with HCl; very moist ----------	194.5-200.5
No recovery ----------	200.5-204
Clayey silty sand; sand--very fine to medium grained, well sorted; dark-yellowish-brown (10YR4/2); poorly laminated; moderately compacted, slightly to moderately cemented with $CaCO_3$, strong reaction with HCl; moderately moist (upper 1.0 ft wet, probably due to seeping water) ----------	204-206

Table 10.--Lithology penetrated by borehole LWDS-MW2--Continued

Lithologic description	Depth interval above land surface (feet)
No recovery	206-207
Pebbly silty sand with caliche; sand--very fine to fine grained, pebbles 15-20% and ≤ 50 mm, predominately ≤ 15 mm, 110 mm cobble at approximately 216.2 ft, small pebbles--angular, larger pebbles--subangular, few subrounded, poorly sorted; pebbles--limestone, granite, quartz, mafics, sandstone, cobble--quartzite; light brown (5YR6/4); 212-216.4 ft is poorly laminated and central portion contains silty sand with minor caliche; 207-212 ft--powdery, 212-216.4 ft--moderately compacted and moderately cemented with $CaCO_3$ to loose near base with caliche zones strongly cemented, caliche as matrix and as a 70 mm thick sandy zone with blebs above 216.4 ft, strong reaction with HCl; 207-212 ft--moderately moist, 212-216.4 ft--slightly to moderately moist; abrupt basal contact	207-216.4
Silty sand with minor caliche; sand--very fine to medium grained, well sorted; light brown (5YR6/4); poorly laminated; moderately compacted, slightly cemented, caliche as matrix, strong reaction with HCl; moderately moist	216.4-218.3
No recovery	218.3-220
Silty sand with caliche; sand--220-223.3 ft is very fine to fine grained, 223.3-235.5 ft is very fine to medium grained to very fine to fine grained in lower central section, well sorted; light brown (5YR6/4) to moderate brown (5YR4/4); 223.3-235.5 ft--poorly laminated to laminated in lower section; finer grained sand zones are powdery with abundant caliche, some weakly to moderately cemented with $CaCO_3$, moderately to strongly compacted/cemented towards bottom, caliche as matrix and as 5-40 mm nodules and few scattered blebs towards bottom of section, strong reaction with HCl; moderately moist --	220-235.5
Sand with silt and caliche; sand--very fine to medium grained with some coarse to very coarse grains, pebbles < 2% and < 4 mm mostly in scattered zones; pebbles--limestone, quartz, shale; light brown (5YR6/4); some core fragments are well laminated; moderately cemented with $CaCO_3$, caliche as matrix, strong reaction with HCl; moderately to very moist; abrupt basal contact due to cementation	235.5-240
Silty sand with caliche; sand--very fine to fine grained with minor coarse to very coarse grains, pebbles < 1% and < 4 mm, basal 0.2 ft--pebbles 30% and < 40 mm, subangular to subrounded; pebbles--limestone, quartzite; light brown (5YR6/4); loose, caliche as matrix, strong reaction with HCl; slightly moist; abrupt basal contact	240-243.9
Silty sand with pebbles; sand--very fine to medium grained, coarser to very coarse sand grains where pebbly, pebbles < 7% and < 4 mm in central and lower central sections, pebbles 30 to 60 mm near central section, subangular; pebbles--quartzite, limestone; light brown (5YR 6/4); poorly to well laminated; moderately compacted, weakly to moderately cemented with $CaCO_3$, caliche minor and occurs as matrix and as blebs in central and lower central section, strong reaction with HCl; moderately moist	243.9-247

Table 10.--Lithology penetrated by borehole LWDS-MW2--Continued

Lithologic description	Depth interval above land surface (feet)
Sand with silt and caliche; sand--247-249.9 ft--very fine to fine grained, 249.9-255.7 ft--very fine to medium grained, pebbles minor and occur as scattered clasts < 6 mm, one 25 mm clast in lower section, angular to subangular, matrix--well sorted; smaller pebbles--limestone, large pebble--quartzite; light brown (5YR6/4); sandier sections well laminated; powdery with nodules of sand in upper section, moderately to strongly cemented with $CaCO_3$ in lower section, caliche occurs as matrix and as few blebs in lower section, strong reaction with HCl; moderately moist	247-255.7
No recovery	255.7-259
Silty sand with caliche and clay; sand--very fine to fine grained or very fine to medium grained, few pebbles scattered and < 30 mm, 25 mm lens near 275 ft contains coarse to very coarse sand grains, sand and pebbles--subangular to subrounded, some angular sand grains, very well sorted from 259-261.5 ft; coarser sands--arkosic with mica, finer pebbles--limestone, coarser pebbles--quartzite; 259-261.5 ft--light brown (5YR6/4), 261.5-278.9 ft--light brown (5YR5/6), moderate brown (5YR4/4) where clayey; clayey areas well laminated, horizontal bedding (probably disturbed by drilling), clay and silt content increase towards bottom, 275-278.9 ft has poorly to well defined bedding in coarser sands; upper and central sections powdery/loose, otherwise moderately to strongly compacted and moderately cemented with $CaCO_3$, caliche occurs as matrix and as minor nodules < 8 mm in central and lower sections or minor stringers and blebs in lower section, strong reaction with HCl; 259-261.5 ft--slightly moist, 261.5-278.9 ft--moderately to very moist	259-278.9
No recovery	278.9-281
Silty sand with caliche; sand--very fine to medium grained with 5% coarse to very coarse grains, pebbles occur as few scattered clasts < 50 mm, 285.9-286.3 ft--pebble and cobble zone with pebbles and cobbles 30-100 mm, sand--angular to subangular, some subrounded, poorly sorted to well sorted towards bottom; sand--arkosic, pebbles--quartzite, limestone, weathered gneiss, cobbles--limestone; 281-285.9 ft--light brown (5YR5/6), 286.3-293.2 ft--grayish orange (10YR7/4); 281-285.9 ft--loose to powdery with many nodules of matrix strongly cemented with $CaCO_3$, 286.3-293.2 ft--moderately compacted and poorly to moderately cemented with $CaCO_3$, caliche as matrix and blebs, strong reaction with HCl; 281-285.9 ft--slightly to moderately moist, 285.9-293.2 ft--moderately to very moist; abrupt basal contact	281-293.2
Pebbly silty sand; sand--very fine to fine grained with 15% medium to very coarse grains, pebbles 15% and 20 to 60 mm recovered in the lower section, pebbles and coarser sand--angular, few subrounded, poorly sorted; sand--arkosic, pebbles--limestone, quartzite; grayish-orange-pink (5YR7/2); powdery, strong reaction with HCl; moderately moist; abrupt basal contact	293.2-294.6
Silty sand with clay and caliche; sand--very fine to medium grained or very fine to fine grained where clayey, well sorted, clay content increases and sand content decreases towards bottom; light brown (5YR6/4), light brown (5YR5/6) where clayey; moderately laminated from 294.6-296 ft; moderately compacted, weakly to strongly cemented with $CaCO_3$, caliche occurs as distorted bands of indurated sand from approximately 294.6-295 ft, and as matrix, blebs, and minor nodules < 8 mm in rest of section, strong reaction with HCl, moderate reaction where clayey; moderately to very moist	294.6-303.8

Table 10.--Lithology penetrated by borehole LWDS-MW2--Continued

Lithologic description	Depth interval above land surface (feet)
No recovery	303.8-307
Sand with clay and pebbles; sand--very fine to mostly medium grained with 20% coarse to very coarse grains, pebbles 5% and < 30 mm, predominately < 15 mm, sand--subangular, pebbles--subangular to subrounded, poorly sorted; sand--arkosic, pebbles--limestone, quartzite, granite, tuff; moderate-yellowish-brown (10YR5/4); moderately compacted, moderate to strong reaction with HCl; moderately moist	307-308
Clayey sand with pebbles; sand--very fine to mostly medium grained with 20% coarse to very coarse grains, pebbles 12% and < 30 mm, predominately < 15 mm, 2 pebbles < 50 mm in center of section, subangular to subrounded; sand--arkosic, pebbles--limestone, quartzite; section contains zones of sandy clay with pebbles; moderately compacted, moderate reaction with HCl; very moist; abrupt basal contact	308-311
Pebbly sand with silt; sand--very fine to very coarse grained in upper section and very fine to mostly medium grained in lower section, pebbles 25% in upper section and ≤ 8 mm, subangular, few subrounded, pebbles decrease and silt increases towards bottom; sand--arkosic, pebbles--limestone, feldspar, quartzite; moderate-yellowish-brown (10YR5/4); moderately compacted to powdery in central section, weakly to moderately cemented with $CaCO_3$, strong reaction with HCl; moderately to very moist	311-318
Pebbly silty sand; sand--very fine to very coarse grained, pebbles 20% and < 40 mm, predominately < 10 mm, subangular to subrounded; sand--arkosic, pebbles--limestone, quartzite; light brown (5YR6/4); loose to moderately cemented with $CaCO_3$, strong reaction with HCl; moderately moist to very moist where sandy	318-321.6
Silty sand; sand--very fine to mostly medium grained with 5% coarse to very coarse grains, subangular to subrounded, well sorted; sand--arkosic; moderate-yellowish-brown (10YR5/4); moderately compacted, weakly cemented with $CaCO_3$, strong reaction with HCl; very moist	321.6-323
Pebbly sand with clay and cobbles; sand--very fine to mostly medium grained, pebbles 10% < 6 mm and 10% 6 to 60 mm, cobbles < 100 mm (broken by drilling), sand--angular, few subangular, pebbles and cobbles--angular to subangular, few subrounded, very poorly sorted; sand--arkosic, pebbles and cobbles--quartzite, limestone, minor greenstone and schist; dark-yellowish-brown (10YR4/2); weakly to moderately cemented with $CaCO_3$, moderate reaction with HCl; very moist; fairly abrupt basal contact	323-325
Pebbly silty sand with caliche; sand--very fine to fine grained, pebbles 15% and < 40 mm, predominately < 15 mm, angular, few subrounded, pebbles concentrated in the lower section (probably due to drilling); pebbles--quartzite, limestone, greenstone; pale-yellowish-brown (10YR6/2); powdery, with frequent nodules moderately cemented with $CaCO_3$, caliche as matrix, strong reaction with HCl; moderately moist; abrupt basal contact	325-328.7

Table 10.--Lithology penetrated by borehole LWDS-MW2--Continued

Lithologic description	Depth interval above land surface (feet)
Silty sand with clay; sand--very fine to medium grained, scattered zones of clayey silty sand--sand is very fine to fine grained, caliche abundant as matrix from 344-346 ft; 327.7-344 ft--light brown (5YR6/4), 344-346 ft--moderate-orange-pink (5YR8/4); 327.7-344 ft--poorly laminated, gradational upper central and lower central zones of clayey silty sand; moderately compacted, sandy sections are weakly cemented with $CaCO_3$, caliche occurs as minor matrix and thin stringers in central and upper lower section and as a 50 mm zone about 3 ft from top of section, slightly to strongly cemented from 344-346 ft, caliche abundant as matrix from 344-346 ft, moderate to strong reaction with HCl, weak reaction where clayey; 327.7-344 ft--very moist, moderately to very moist	328.7-346
No recovery	346-348
Silty sand with caliche; sand--very fine to fine grained with central and lower zones containing very fine to medium grains, pebbles < 1% and < 10 mm, one 40 mm clast, pebbles occur in three 10 mm lenses in center section, pebbles--angular to subangular, 40 mm pebble--subangular; sand--arkosic, pebbles--limestone, quartz, feldspar, granite, greenstone, 40 mm pebble--limestone; grayish orange (5YR7/2); moderately compacted and weakly cemented with $CaCO_3$, caliche as matrix, strong reaction with HCl, lenses within 50 to 70 mm zones of sand strongly cemented with $CaCO_3$; moderately moist; gradational basal contact	348-353.5
Clayey silty sand; sand--very fine to mostly medium grained, well sorted, section contains zones of sandy silty clay; moderate-yellowish-brown (10YR5/4); moderately compacted, slightly cemented with $CaCO_3$, moderate reaction with HCl in upper section, weak to moderate reaction in lower section; very moist	353.5-358
Clayey silt with sand and caliche; sand--very fine to fine grained in matrix, coarser grained when with pebbles in lenses and zones, pebbles < 2% and < 8 mm, pebbles--angular, few subrounded; pebbles--limestone, feldspar; moderate brown (5YR4/4); poorly to moderately laminated where pebbly; moderately compacted, weakly to moderately cemented with $CaCO_3$, caliche as matrix, strong reaction with HCl; moderately moist; abrupt basal contact	358-360
Clayey silty sand; sand--very fine to fine grained; moderate brown (5YR4/4); moderately compacted, weakly cemented with $CaCO_3$, moderate to strong reaction with HCl; very moist	360-362
No recovery	362-365
Silty sand; sand--very fine to medium grained; sand--arkosic; moderate-yellowish-brown (10YR5/4); moderately compacted, moderately cemented with $CaCO_3$, moderate reaction with HCl; very moist; abrupt basal contact	365-367.2
Sandy silt with caliche; sand--very fine to fine grained, 65 mm cobble, subangular; sand--arkosic, cobble--limestone; moderate-orange-pink (5YR8/4); sand in lower section is laminated; loose, very weakly cemented in lower section, sandy nodules 20% and < 30 mm are strongly cemented with $CaCO_3$, caliche as matrix, strong reaction with HCl; moderately moist	367.2-368.4

Table 10.--Lithology penetrated by borehole LWDS-MW2--Continued

Lithologic description	Depth interval above land surface (feet)
Clayey silty sand; sand--very fine to fine grained; sand--arkosic; moderate-yellowish-brown (10YR5/4); moderately compacted, moderately cemented with $CaCO_3$, moderate reaction with HCl; very moist; abrupt basal contact	368.4-369.5
Silty sand with caliche; sand--very fine to medium grained; sand--arkosic; moderate-orange-pink (5YR8/4); moderately compacted, moderately cemented with $CaCO_3$, caliche occurs as matrix, poorly defined blebs, and stringers, moderate reaction with HCl; very moist	369.5-370.6
No recovery	370.6-374
Silty sand with caliche; sand--very fine to mostly medium grained with 5% coarse to very coarse grains, pebbles 2% and < 10 mm, subangular; sand--arkosic, pebbles--quartzite; light brown (5YR6/4); moderately compacted, weakly to moderately cemented with $CaCO_3$, caliche minor and occurs as stringers, strong reaction with HCl; very moist	374-376
Silty clayey sand; sand--very fine to medium grained; sand--arkosic; light brown (5YR5/6); moderately compacted, weakly to moderately cemented with $CaCO_3$, strong reaction with HCl; very moist; gradational basal contact	376-378.1
Silty sand with caliche, pebbles and cobbles; sand--very fine to fine grained or very fine to medium grained in central section, pebbles < 40 mm, cobbles < 100 mm, pebbles and cobbles--subangular with many fresh breaks (due to drilling), clasts are in zones of finer sand sizes and with higher caliche content; sand--arkosic, pebbles and cobbles--quartzite, limestone, metagranite; matrix--dark-yellowish-orange (10YR6/6); sandy sections are poorly laminated; moderately compacted, weakly to strongly cemented with $CaCO_3$ (for one 30 mm lens), caliche as matrix, strong reaction with HCl; moderately moist to very moist where sandy; abrupt basal contact	378.1-385.4
Clayey silty sand; sand--very fine to mostly medium grained; sand--arkosic; moderate-yellowish-brown (10YR5/4); poorly laminated; moderately compacted, moderately cemented with $CaCO_3$, moderate reaction with HCl; very moist	385.4-390.7
No recovery	390.7-394.5
Clayey sand; sand--very fine to medium grained, nodules < 2% and 10 to 40 mm or as a disturbed 50 mm lens, nodules are very fine to mostly medium grained sand with some coarse to very coarse grains; sand--arkosic, nodules--sandstone; moderate brown (5YR3/4); gradational sandy clay in the upper section; moderately compacted, moderately cemented with $CaCO_3$, moderate to strong reaction with HCl, nodules are very hard, strong reaction with HCl; very moist; fairly gradational basal contact	394.5-399
Pebbly silty sand with caliche; sand--very fine to medium grained with some coarse to very coarse grains, pebbles 8% < 8 mm and 7% 20 to 40 mm, subangular with fresh breaks (due to drilling); pebbles--quartzite, limestone; grayish orange (10YR7/4); 1 mm laminations where sandy; loose to moderately cemented with $CaCO_3$, caliche occurs as matrix and is abundant in lower central section, strong reaction with HCl; varies downward from very moist to moderately moist; gradational basal contact	399-403

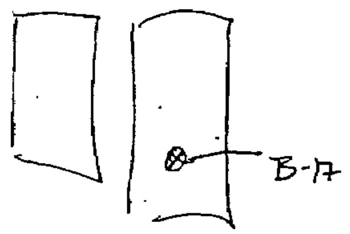
Table 10.--Lithology penetrated by borehole LWDS-MW2--Continued

Lithologic description	Depth interval above land surface (feet)
Clayey silty sand with caliche; sand--very fine to medium grained, well sorted; sand--arkosic; moderate brown (5YR4/4); poorly laminated; moderately compacted, moderately cemented with $CaCO_3$, caliche as matrix, moderate to strong reaction with HCl; very moist	403-411
Silty sand with clay and caliche; sand--very fine to medium grained, well sorted; sand--arkosic; moderate-yellowish-brown (10YR5/4); 1 mm laminations; moderately compacted, weakly to moderately cemented with $CaCO_3$, caliche occurs as matrix and is abundant in central and lower section, also occurs as minor nodules < 8 mm, strong reaction with HCl; moderately to very moist	411-419
Clayey silty sand with caliche; sand--very fine to medium grained, pebbles < 2% and 10 to 25 mm and scattered in upper interval, subangular, matrix is well sorted; sand--arkosic, pebbles--limestone, minor quartzite; moderate-yellowish-brown (10YR5/4); moderately compacted, weakly to moderately cemented with $CaCO_3$, minor caliche as matrix, moderate reaction with HCl; very moist	419-421.6
No recovery	421.6-425
Clayey silty sand; sand--very fine to fine grained, cobble 100 mm, cobble--angular to subangular (probably due to drilling); sand--arkosic, cobble--sandstone similar to lenses found previously; moderate-yellowish-brown (10YR5/4); moderately compacted, moderately cemented with $CaCO_3$, strong reaction with HCl; very moist; gradational basal contact	425-427
Sandy silt with caliche; sand--very fine to fine grained; moderate-orange-pink (5YR8/4); powdery, caliche as matrix, strong reaction with HCl; moderately moist; abrupt basal contact	427-428.6
Clayey silty sand; sand--very fine to fine grained, pebbles < 2% and ≤ 12 mm, 80 mm cobble occurs at bottom of section (surface worn by drilling), subangular; sand--arkosic, pebbles--limestone, metagranite; cobble is partial 60 mm lens of sandstone; 428.6-430 ft--moderate-yellowish-brown (10YR5/4), 430-435.2 ft--light brown (5YR5/6); moderately compacted, 428.6-430 ft--moderately cemented with $CaCO_3$, 428.6-430 ft--strong reaction with HCl, 430-435.2 ft--moderate to strong reaction with HCl; very moist to saturated at bottom	428.6-435.2
Sandy clayey silt with caliche; sand--very fine to fine grained, pebbles < 3% and ≤ 40 mm, subangular, few subrounded; pebbles--quartzite, limestone, minor granite and gneiss; light brown (5YR5/6); upper section--loose, otherwise moderately to strongly compacted, caliche as matrix, strong reaction with HCl; very moist, saturated where sandy	435.2-444.1
Silty sand with clay; sand--very fine to medium grained, pebbles < 1% and < 10 mm, subangular; sand--arkosic, pebbles--quartzite, limestone; light brown (5YR5/6); thinly laminated < 1 mm; moderately compacted, moderate to strong reaction with HCl; very moist, close to saturation	444.1-447.1
No recovery	447.1-450
Clayey silty sand; sand--very fine to medium grained, pebbles < 1% and < 10 mm, subangular; sand--arkosic, pebbles--quartzite, limestone; light brown (5YR5/6); thinly laminated < 1 mm; moderately compacted, lower 1 ft--strongly compacted, moderate to strong reaction with HCl; very moist, close to saturation	450-460.6

Table 10.--Lithology penetrated by borehole LWDS-MW2--Concluded

Lithologic description	Depth interval above land surface (feet)
Sand with clay and silt; sand--very fine to fine grained, well sorted; moderate-yellowish-brown (10YR5/4); moderately compacted, moderate reaction with HCl; saturated; fairly abrupt basal contact	460.6-463.7
Clayey silty sand; sand--very fine to fine grained, well sorted; light brown (5YR5/6); moderately to strongly compacted, moderate to strong reaction with HCl; saturated	463.7-475.3
Clayey sand with silt; sand--very fine to fine grained, well sorted; moderate-yellowish-brown (10YR5/4); moderately compacted, moderate reaction with HCl; saturated	475.3-477
Sand with clay and silt; sand--very fine to fine grained, well sorted; moderate-yellowish-brown (10YR5/4); strongly compacted, moderate reaction with HCl; saturated	477-484.7
Clayey silty sand; sand--very fine to fine grained, well sorted; moderate-yellowish-brown (10YR5/4); strongly compacted, moderate reaction with HCl; saturated	484.7-487.2
Silty sand with clay; sand--very fine to fine grained, pebbles 3% < 10 mm and 2% 10 to < 50 mm, angular, few subrounded, becomes less silty towards bottom; pebbles--quartzite, limestone, sandstone; moderate brown (5YR4/4); moderately to strongly compacted, moderate to strong reaction with HCl; saturated	487.2-489.8
Pebbly sandy silt with cobbles and caliche; sand--very fine to fine grained, pebbles and cobbles 20% and ≤ 80 mm, angular to subangular (many clasts probably fractured by drilling); pebbles and cobbles--limestone, quartzite; varies downward from light brown (5YR6/4) to very-pale-orange (10YR8/2); moderately compacted to powdery in lower section, caliche as matrix, strong to very strong reaction with HCl; saturated(?) to very moist(?) where powdery; abrupt basal contact	489.8-492.4
Clayey sand with silt; sand--very fine to fine grained, well sorted, silt and clay decrease towards bottom grading to sand with clay; moderate-yellowish-brown (10YR5/4); strongly compacted, moderate reaction with HCl; saturated	492.4-497
No recovery (recovered as rock-bit cuttings; driller reported sample was not reliable, therefore reporting as no recovery)	497-507
Pebbles in silty sandy clayey matrix (recovered as rock-bit cuttings); sand--very fine to fine grained, pebbles ≤ 40 mm recovered as freshly broken clasts with few intact, pebbles--subangular, few subrounded; pebbles--quartzite, limestone; matrix--moderate-yellowish-brown (10YR5/4); scattered globs of extremely soft silty clay (saturated), dried matrix has moderate to strong reaction with HCl; recovered as slurry (water producing zone)	507-530
Clayey silty sand; sand--very fine to fine grained, few scattered pebbles < 12 mm, subangular to subrounded; pebbles--limestone; moderate-yellowish-brown (10YR5/4); moderately to firmly compacted, moderate to strong reaction with HCl; saturated	530-531

ENGINEER Project	Project: LWDS RFI	Borehole/Well No.: B-17
		ADS No.: 0307
Borehole Location:	Logged By: D.W. Reakes	Instruments: OVM 503
	Task Leader: L.A. Dawson	Drill Rig: Failing F-10
	Drilling Contractor: Stewart Bros.	Ground Elev (ft,MSL)
	Driller/Helper: Stanley	
	Drilling Method: HSA	
	Sample Method: Split Spoon	
	Hammer Weight/Drop: 140 / 30"	Borehole Diameter: 6
	Start Time: 12:00	Date: 11/30
	Finish Time:	Date:



ER/1307C

LWDS-RH

Litholo

Logs

Notes:

Water Depth						
Boring/Casing Depth						
Time						
Date						

Total Depth:	Casing Depth:
Screened Interval:	Screen Size:
Sand Pack Interval:	Sand Size:
Well Development Method:	
Time: Date:	Flow Rate:
Geophysical Logs, Type:	
By:	Date:

Lab Sample ID	Lab Analysis Requested	Sampler Type/Depth	Blows/6 Inch	Inches Driven	Inches Recovered	Sample Condition/RQD	Soil Vapor Concentration	Circulation/Moisture/Other	Well Annulus/Seal	Well Casing/Screen	Depth in Feet	Stratigraphy/Contacts	LITHOLOGIC DESCRIPTION
		0	5	6	6	f	nd						Grayish brown SILTY SAND (SM)
		↓	8	6	6	f	↓				1	SM	med. dense, sl. moist, v. fine-fine
			12	6	—								gravel, trace coarse sand, trace
		2	17	6	—						2		clay
											3		
											4		
		5	7	6	6	f	nd				5		
		↓	8	6	↓	↓	↓						Silty SAND continued
			10	6							6	SM	
		7	12	6	—								
		7	5	6	6	f	↓				7		
		7½									8		
											9		
											10		

Lab Sample	Lab Analysis Requested	Sampler Type/Depth	Blows/6 Inch	Inches Driven	Inches Recovered	Sample Condition/R	Soil Vapor Concentratic	Clue/Moistu Other	Well Annulus/Sea	Well Casing/Scree	Depth In Fe	Stratigraphy Contact	Project No.: 1307	Borehole/Well No.: B-17
		10	5	6	6	g	Nd					SP	Notes:	
			12	6	6	↓	↓				1		Brown SAND (SP) dense, sl. moist	
			20	6	6	g						SW	v.fine - fine grained	
		12	32	6	4	f	↓				2		Grayish Brown SAND (SW) dense,	
													moist fine - v. coarse grained, extraneous	
												SP		
											3			
											4			
													grayish brown SAND (SP) v. dense	
		15	32	6	6	g	Nd				5		moist v.fine - fine grained	
			60	6	6									
			50	6	6						6			
		17	32	3	0	↓	↓							
											7		Gravelly zone	
											8			
											9	GW		
		20	20	6	4	f	M				20			
			30	6	6	f							Greyish brown SANDY GRAVEL	
			30	6	6	f					1		(GW) v. dense, sl. moist gravel	
		22	35	6	2	p	↓						to 2.5" Ø	
											2		Brown SILTY SAND (SM)	
												SM	moist, dense, v.fine - fine grained	
											3			
											4			
		25	10	4	6	g	Nd				25			
			21	6	6	g							Silty Sand Continued	
			24	4	6	g					6		- calcite nodules / stringers	
		27	37	6	4	f	↓					SM	throughout	
											7			
											8			
											9			
											30			

3

Project/ADS No.: 1307 | Borehole/Well No.: B-17 | 3/.

Notes:

Lab Sample	Lab Analysis Requested	Sampler Type/Depth	Blows/6 Inch	Inches Driven	Inches Recovered	Sample Condition/RQ	Soil Vapor Concentration	Circ/Moisture Other	Well Annulus/Seal	Well Casing/Screen	Depth in Feet	Stratigraphy Contacts	
		30	50	6	0								
		30	50	6	0						1		Caliche? v. hard
											2		
											3		
											4		
											5		
		35	22	6	0								
		35	54	3	0						6	GP	NO SAMPLE
											7		Sandy GRAVEL (CUTTINGS)
											8		v. dense, gravel to small cobbles 2" ∅ - 5"
											9		
											40		
		40	14	6	6	g	Nd					SP	Reddish Brown SAND (SP) dense,
			19	6	6	g							moist med. grained, trace silt
			32	6	6	g					1	GP	SANDY GRAVEL (GP)
			50	3	2	f					2		v. dense, sl. moist med- coarse sand, fine gravel Subrounded, gravel predominantly Limestone
											3		
											4		
											45		
											6		
												?/	
		47	45	6	6	f	Nd				7	SW	Grayish brown gravelly SAND
		47	70	6	6	f	b				8		v. dense, moist med- coarse grained subrounded- subangular gravel to 1.5" ∅
											9		
											50		

Lab Sample	Lab Analys Requested	Sampler Type/Depth	Blows/ 6 Inch	Inches Driven	Inches Recovered	Sample Condition/R	Soil Vapor Concentrati	Circ/Moist Other	Well Annulus/Se	Well Casing/Scre	Depth in Fe	Stratigraphy Contacts
											0	
											1	
											2	
											3	
											4	
											5	
		50	7	6	6						5	SM
			15	6	6						6	
			31	6	6							
		57	33	6	6						7	
											8	
											9	
											6 0	
	54	60	17									
			24								1	
		61	20									
		66	20								2	
		69	30									
			50								3	
		6256	50									
											4	
											5	
											6	
											7	
											8	
											9	
											0	

1302

Borehole/Well No.: B-17

Notes:

SAND and

SP

Yellowish brown SILTY SAND (SM) med. dense, moist, v. fine - fine grained - 15-20% silt trace med. angular sand

SM

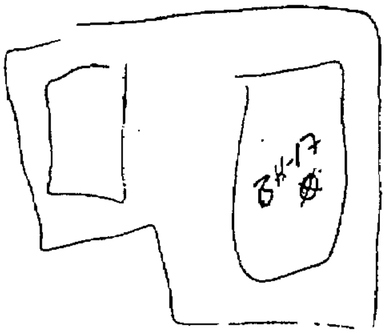
Silty Sand cont'd

Boring Terminated @ 63.5'

SNL ER Project

PROJECT:		**Borehole/Well No.:**	B-17
		ADS No.:	1307
Logged By:	D.W. Reaser	**Instruments:**	PID
Task Leader:	Dawson	**Drill Rig:**	Failing F-10
Drilling Contractor:	Stewart	**Ground Elev (ft.MSL)**	
Driller/Helper:	Stanley Johnson		
Drilling Method:	HSA		
Sample Method:	Split		
Hammer Weight/Drop:	140 / 30	**Borehole Diameter:**	5"
Start Time:		**Date:**	11/30/94
Finish Time:		**Date:**	

Borehole Location:



Notes:

Water Depth						
Boring/Casing Depth						
Time						
Date						

Total Depth:		**Casing Depth:**	
Screened Interval:		**Screen Size:**	
Sand Pack Interval:		**Sand Size:**	

Well Development Method:
Time: **Date:** **Flow Rate:**

Geophysical Logs, Type:
By: **Date:**

Lab Sample ID	Lab Analysis Requested	Sampler Type/Depth	Blows/6 Inch	Inches Driven	Inches Recovered	Sample Condition/RQD	Soil Vapor Concentration	Circulation/Moisture/Other	Well Annulus/Seal	Well Casing/Screen	Depth in Feet	Stratigraphy/Contacts	LITHOLOGIC DESCRIPTION
		[illegible]	5	6	6	f						SM	Grayish brown Silty Sand (SM)
			8	6	6	f	Nd				1		med. dense, sl. moist v.fine-fine
			12	6	–		Nd						grained trace coarse sand, trace
			17	6	–						2		clay
											3		
											4		
			7	6	6	f					5		
			8	6	6	f	N						
			10	6	6	f					6	SM	
			12	6	0								
			5	6	6						7		
											8		
											9		
											10		

Project/ADS No.: 1302 | Borehole/Well No.: B-17

Notes:

Lab Sample	Lab Analysis Requested	Sampler Type/Depth	Blows/ 6 Inch	Inches Driven	Inches Recovered	Sample Condition/RC	Soil Vapor Concentration	Circ/Moisture Other	Well Annulus/Seal	Well Casing/Screen	Depth in Feet	Stratigraphy Contacts	
			5	6	6								Brown Sand (SP) Dense, sl. moist. v.fine - fine grained
			12	6	6						1	SW	
			20	6	6								
			32	6	4						2		Gray-Brown Sand (SW) Dense, moist fine - v. coarse grained subrounded qtz, feldsp. granitic clasts
												SP	
											3		
											4		
											5		
			32	4	6								
			40	6	6						6		
			50	6	10								Reddened
			32	3	8						7	GP	
													Gravelly Zone
											8		Sandy Gravel (GW)
											9		
												GW	
			20	6	6	f					20		Sandy Gravel (GW) v. dense, sl. moist gravel to 2.5" ϕ
			30	4	6	f							
			30	4	6	f					1		Brown silty Sand (SM) 10YR 5/3, moist dense, v.fine - fine grained
			55	6	2	P						SM	
											2		
											3		
											4		
											25		
			10	4	6	ϕ							Silty Sand Caliche -
			21	6	6	ϕ					6		Caliche nodules / stringers throughout
			26	6	6	ϕ							
			34	6	4	f					7		
											8		
											9		
											0		

Project/ADS No.: | Borehole/Well No.: B-17

Notes:

Lab Sample	Lab Analysis Requested	Sampler Type/Depth	Blows/6 Inch	Inches Driven	Inches Recovered	Sample Condition/RC	Soil Vapor Concentration	Circ/Moisture Other	Well Annulus/Seal	Well Casing/Screen	Depth in Feet	Stratigraphy Contacts	Notes
			50	6	0							SM	
			50	3	0						31		caliche layer? v. hard drilling
											2		drill chert to 35'
											3		
											4		
											35		
			27	6									no sample
			54	3							6		
											7		Sand Gravel GP Very dense, gravel to small cobbles (5" x 2") - unable to sample
											8		
											9		
											40		
											1		
											2		Reddish brown Sand (SP) moist dense, med grained trace silt
			19	6	6						3	SP/GP	Sand and Gravel (SP/GP) v. dense, sl moist med-coarse sand fine gravel subrounded gravel predominantly L.S.
			19	6	6								
			35	6	6								
			50	3	2						4		
											45		
											6		
											7		
			45	6	6	f							Grayish brown gravelly Sand
			70	6	6	f					8	SW	SW very dense moist med-coarse grained gravel 1.5" Ø subrounded to subangular
											9		
			40	6									
			70	4							0		

NO 3" liners

- 70 6"-long stainless steel or brass liners
- 2" ID split-spoon
- bring 4 18"-long samplers
- bring CAPS.

Form rows: Lab Sample; Lab Analysis Requested; Sampler Type/Depth; Blows/6 Inch; Inches Driven; Inches Recovered; Sample Condition/R; Soil Vapor Concentration; Circ/Moisture Other; Well Annulus/Seal; Well Casing/Screen; Depth In Feet; Stratigraphy Contacts

Depth In Feet: 0 9 8 7 6 5 4 3 2 1 0 (10) 9 8 7 6 5 4 3 2 1 (5)

Blows/6 Inch: 40 50 30 20 20 24 17 | 35 31 15 7

Inches Driven: 6 6 6 6 | 6 6 6 6

Inches Recovered: 6 6 6 6

Stratigraphy Contacts: SM (10) | SM (4) | SP (5)

Yellowish brown Silty Sand (SM) med dense, moist, v.fine-fine grained ~ 15-20% silt trace old angular sand

Silty Sand continue

Notes:

Borehole/Well No.: B-17

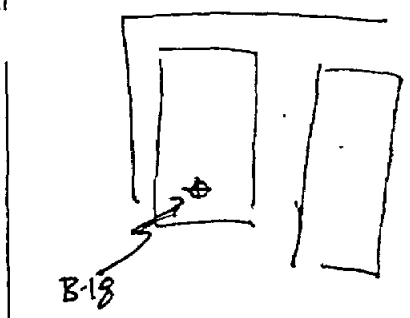
SNAITM ER Project

PROJECT: LWDS RFI

Borehole/Well No.: 'B-18'

ADS No.:

Borehole Location:



Logged By: D.W. REABER

Instruments: OVM 503

Task Leader: L.A. DAWSON

Drill Rig: FALCON F10

Drilling Contractor: STEWART BROS

Ground Elev (ft,MSL)

Driller/Helper: STANLEY

Drilling Method: HSA

Sample Method: SPLIT SPOON

Hammer Weight/Drop: 140 / 30

Borehole Diameter:

Start Time: 11:30

Date: 12/1/94

Finish Time: 4:00

Date: 12/1/94

Notes:

Water Depth														
Boring/Casing Depth														
Time														
Date														

Total Depth: Casing Depth:

Screened Interval: Screen Size:

Sand Pack Interval: Sand Size:

Well Development Method:

Time: Date: Flow Rate:

Geophysical Logs. Type:

By: Date:

Lab Sample ID	Lab Analysis Requested	Sampler Type/Depth	Blows/6 Inch	Inches Driven	Inches Recovered	Sample Condition/RQD	Soil Vapor Concentration	Circulation/Moisture/Other	Well Annulus/Seal	Well Casing/Screen	Depth in Feet	Stratigraphy/Contacts	LITHOLOGIC DESCRIPTION
		0	7	6	6	G	ND						Grayish brown SILTY SAND
			14	6	0						1	SM	med dense, dry - sl. moist
			22	6	0								v. fine - fine grained trace cobbles
		2	30	6	6						2		
											3	GP	GRAVEL zone @ ~ 3'
											4		
											5		
		5	5	6	6	G	ND						Grayish brown GRAVELLY SAND
			5	6	0						6	SP	(SP/GP) med dense, moist, med - coarse grained ~ 20% gravel to 0.5" ø
			5	6	0								Yellowish brown SAND (SP)
		7	6	6	6						7		med. dense, moist, fine - med grained
											8		
											9		
											10		

INFORMATION ONLY

Project/ADS No.: 4WDS | Borehole/Well No.: B-18

Notes:

Lab Sample	Lab Analysis Requested	Sampler Type/Depth	Blows/6 Inch	Inches Driven	Inches Recovered	Sample Condition/Rec	Soil Vapor Concentratio	Circ/Moistur Other	Well Annulus/Seal	Well Casing/Scree	Depth in Feet	Stratigraphy Contacts	
		10	15	6	6	g	NA						Yellowish brown SAND cont'd
			22	6	4	f					11		
			20	6	6							SP	Yellowish brown - grayish brown
		12	30	6	6						12		SAND (SP/SW) fine-coarse grained
		12	30	6	0								subangular to subrounded
		13	40	6	0						13		
											14		
		14	7	6	6	g	ND				15	SP	Grayish brown SAND cont'd
			15	6	6								
			16	6	6						16		
		17	15	6	6								
											17		
											18		
											19		
		20	7	6	6	g	Nd				20	SP	Yellowish Brown SAND (SP)
			11	6									med dense, moist v.fine-fine grained
			13	6							21		
		22	25	6									
											22		
											23		
											24		
		25	10	6	6	g	Nd				25	SP	SAND continued
			10										
			15								26		
		27	28										
											27		
											28		
											29		
											30		

Lab Sample	Lab Analysis Requested	Sampler Type/Depth	Blows/ 6 Inch	Inches Driven	Inches Recovered	Sample Condition/RQ	Soil Vapor Concentratio	Circ/Moistur Other	Well Annulus/Seal	Well Casing/Scree	Depth In Fee	Stratigraphy Contacts
		30	38	6	6	G	NA					
			40	6	6						1	SW
			50	6	6							
		32	54	6	6						2	
											3	
											4	
											5	
											6	
											7	
											8	
											9	
											0	
											1	
											2	
											3	
											4	
											5	
											6	
											7	
											8	
											9	
											0	

Project/ADS No.:

Borehole/Well No.: B-18

Notes:

Grayish brown SAND (SW)
dense to v. dense, moist
fine- v. coarse grained, subrounded
gravel to 0.5" ϕ
Bedrock Termination @ 32'

5/5

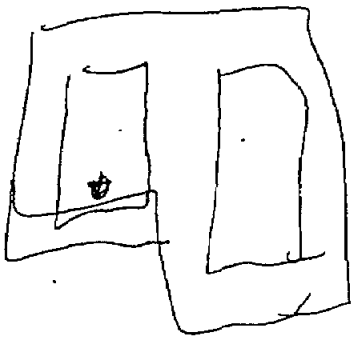
SNL/NM ER Project

PROJECT:

Borehole/Well No.: 15-18

ADS No.: 13-07

Borehole Location:



Logged By: D.W. PEARL

Instruments: PID

Task Leader: Lon DAWSON

Drill Rig: Failing F-10

Drilling Contractor: Stewart

Ground Elev (ft.MSL)

Driller/Helper: Stanley, Lawrence, Chief

Drilling Method: HSA

Sample Method: Split Spoon

Hammer Weight/Drop: 140 / 30

Borehole Diameter: 6"

Start Time: 12/1 11:30

Date: 12/1

Finish Time:

Date: 12/1

Notes: Sunny

Water Depth	
Boring/Casing Depth	
Time	
Date	

Total Depth: | Casing Depth:

Screened Interval: | Screen Size:

Sand Pack Interval: | Sand Size:

Well Development Method:

Time: Date: Flow Rate:

Geophysical Logs, Type:

By: Date:

Lab Sample ID	Lab Analysis Requested	Sampler Type/Depth	Blows/6 Inch	Inches Driven	Inches Recovered	Sample Condition/RQD	Soil Vapor Concentration	Circulation/Moisture/Other	Well Annulus/Seal	Well Casing/Screen	Depth in Feet	Stratigraphy/Contacts	LITHOLOGIC DESCRIPTION
			7	6	9						1	SM	Grayish brown Silty Sand (SM), wet dense, dry - sl. moist v. fine - fine grained w/ cobbles
			14	6	1								
			22	6	1								
			30	6	1						2		
											3	GP	gravel zone @ ~ 3'
											4		
			5	6							5	GW	Grayish Brown Sandy Gravelly Sand (SW) KP
			5	6									wet dense, moist med - coarse grained.
			5	6							6	SP	~ 20% gravel to .5" Ø
			11	10									Yellowish brown Sand (SP)
											7		wet. dense, moist. fine - med grained
											8		
											9		
											10		

LITHOLOGIC DESCRIPTION

Borehole/Well No.: B-18

Notes:

Lab Sample	Lab Analysis Required	Sampler Type/Depth	Blows/6 Inch	Inches Driven	Inches Recovered	Sample Condition/R	Soil Vapor Concentratio	Cite/Moistur Other	Well Annulus/Sea	Well Casing/Stree	Depth in Fee	Stratigraphy Contacts	
			15	6	6	g						SP	Yellowish brown Sand (SP) cobble — dense, moist
			22	6	4	f					1		
			20	6	6								yellowish brown - grayish brown
			30	6	6						2		Sand (SP/SW) fine - coarse grained sub angular - subrounded
			30	6									
			40	6							3		
											4		
			7	6		g					5		grayish brown Sand (SP) wet.
			15	6	6								dense moist v.fine - fine grained
dup-site			16	6	6						6		trace silt, trace coarse angular
			15	6	6								sand
											7		
											8		
											9		
			7	6	g						20		
			11	6									Yellowish brown Sand (SP)
			13	6							1		wet dense moist. v.fine - fine
			25	6									grained
											2		
											3		
											4		
			10	6	g						5		
			10	6								SP	Yellowish brown Sand continued
			15	6							6		
			28	6									
											7		
											8		
											9		
											30		

3

Lab Sample I	Lab Analysis Requested	Sampler Type/Depth	Blows/ 6 Inch	Inches Driven	Inches Recovered	Sample Condition/Rt	Soil Vapor Concentratio	Circ/Moistur Other	Well Annulus/Sea	Well Casing/Sctee	Depth in Fee	Stratigraphy Contacts
			38	6	6							
			40	6	6						1	SW
			50	6	6							
			54	6	6						2	
											3	
											4	
											5	
											6	
											7	
											8	
											9	
											0	
											1	
											2	
											3	
											4	
											5	
											6	
											7	
											8	
											9	
											0	

Project/RCS No.: 1307

Borehole/Well No.: B-18

Notes:

Grayish brown Sand (SW)
Dense to v. dense - mod
fine - v. coarse grained. subrounded
to subangular fine gravel to
½" ø.

Boring terminated @ 32'

ATTACHMENT D

Groundwater Quality Data

from the

TA-V Monitoring Wells

(References: SNL/NM 1994, 1995b, 1996, and 1997)

Table 27
Summary of Analytes Detected in Groundwater Samples
Liquid Waste Disposal Site Monitoring Well MW-1
Sandia National Laboratories/New Mexico
November 2 & 3, 1993

		ER92002113			ER92002114 (Duplicate)				
	Analyte	Result	Units	Flag	Result	Units	Flag	Detection Limit	
Metals	Arsenic	0.006	mg/L		0.007	mg/L		0.002	mg/L
	Barium	0.09	mg/L		0.10	mg/L		0.02	mg/L
	Calcium	50	mg/L		51	mg/L		0.20	mg/L
	Chromium	ND[a]	mg/L		0.01	mg/L		0.01	mg/L
	Iron	0.14	mg/L		0.14	mg/L		0.02	mg/L
	Magnesium	15	mg/L		15	mg/L		0.20	mg/L
	Manganese	0.10	mg/L		0.098	mg/L		0.005	mg/L
	Potassium	3.9	mg/L		3.9	mg/L		0.20	mg/L
	Selenium	0.003	mg/L		0.004	mg/L		0.002	mg/L
	Sodium	120	mg/L		120	mg/L		0.20	mg/L
General Inorganics	Alkalinity	260	mg/L		270	mg/L		10	mg/L
	Chloride	72	mg/L		72	mg/L		2.0	mg/L
	Fluoride	1.1	mg/L		1.1	mg/L		0.1	mg/L
	Nitrate plus nitrite	7.3	mg/L		7.2	mg/L		0.05	mg/L
	Total organic carbon	0.94	mg/L		0.93	mg/L		0.5	mg/L
	Phosphorus	2.6	mg/L		3.3	mg/L		0.05	mg/L
	Total dissolved solids	480	mg/L		520	mg/L		10	mg/L
	Sulfate	78	mg/L		77	mg/L		5	mg/L
Volatile Organics	Benzene	ND	mg/L		0.006	mg/L		0.005	mg/L
	total-1,2-Dichloroethene	0.001	mg/L	J[b]	0.001	mg/L	J	0.005	mg/L
	Methylene chloride	0.004	mg/L	J,B[c]	0.004	mg/L	J,B	0.005	mg/L
	Toluene	0.002	mg/L	J	0.002	mg/L	J	0.005	mg/L
	Trichloroethene	0.006	mg/L		ND	mg/L		0.005	mg/L

Refer to footnotes at end of table.

Table 27 *(Continued)*

Summary of Analytes Detected in Groundwater Samples
Liquid Waste Disposal Site Monitoring Well MW-1
Sandia National Laboratories/New Mexico
November 2 & 3, 1993

	Analyte	ER92002113			ER92002114 (Duplicate)			Detection Limit
		Result	Units	Flag	Result	Units	Flag	
Radiologic	Gross alpha	14±6.1	4.2	pCi/L	-0.21±0.50	0.93	pCi/L	
	Gross beta	18±3.9	3.0[d]	pCi/L	-1.3±1.2	2.1[d]	pCi/L	
	Total uranium	6.1±0.47	0.50[d]	µg/L	-0.006±0.001	0.50[d]	µg/L	

[a]ND = Not detected
[b]J = Detected below quantitation limit; reported results is an estimated value.
[c]B = Analyte detected in method blank.
[d]MDA = Minimum detectable activity

Table 28
Summary of Analytes Detected in Groundwater Samples
Liquid Waste Disposal Site Monitoring Well MW-2
Sandia National Laboratories/New Mexico
June 24, 1993

	Analyte	SNLA013024			SNLA013025 (Duplicate)			Detection Limit	
		Result	Units	Flag	Result	Units	Flag		
Metals	Barium	0.07	mg/L		0.07	mg/L		0.02	mg/L
	Calcium	47	mg/L		47	mg/L		0.20	mg/L
	Iron	0.24	mg/L		0.22	mg/L		0.02	mg/L
	Magnesium	13	mg/L		13	mg/L		0.20	mg/L
	Potassium	2.6	mg/L		2.6	mg/L		0.20	mg/L
	Selenium	0.002	mg/L		0.002	mg/L		0.002	mg/L
	Sodium	40	mg/L		41	mg/L		0.20	mg/L
General Inorganics	Alkalinity	170	mg/L		170	mg/L		10	mg/L
	Chloride	12	mg/L		12	mg/L		2.0	mg/L
	Nitrate plus nitrite	7.4	mg/L		7.7	mg/L		0.40	mg/L
	Total dissolved solids	160	mg/L		130	mg/L		10	mg/L
	Sulfate	38	mg/L		38	mg/L		5	mg/L
Volatile Organics	Acetone	0.004	mg/L	J[a]	0.003	mg/L	J	0.010	mg/L
	2-Butanone	0.002	mg/L	J	ND[b]	mg/L		0.010	mg/L
	Methylene chloride	0.004	mg/L	J,B[b]	ND	mg/L		0.005	mg/L
Semivolatile Organics	Bis(2-ethylhexyl) phthalate	0.007	mg/L	J	0.007	mg/L	J	0.010	mg/L
Radiologic	Gross alpha	3.8±2.3	1.8[d]	pCi/L	4.6±2.4	1.7[d]	pCi/L		
	Gross beta	3.1±1.6	2.1[d]	pCi/L	2.9±1.7	2.3[d]	pCi/L		

[a]J = Detected below quantitation limit; reported result is an estimated value.
[b]ND = not detected
[c]B = analyte detected in method blank.
[d]MDA = Minimum detectable activity

Table 12

Summary of Analytical Results for Detected Organic Compounds
Liquid Waste Disposal System Groundwater Monitoring
Sandia National Laboratories/New Mexico, 1994

			Volatile Organic Compounds								
		Analyte	Acetone	2-Butanone	2-Hexanone	4-Methyl-2-pentanone	Carbon disulfide	Toluene	Methylene Chloride	Trichloro-ethene	Total 1,2-Dichloro-ethene
		MCL[a], mg/L[b]	NE[c]	NE	NE	NE	NE	1	NE	0.005	NE
		MDL[d], mg/L	0.005-0.010	0.005-0.010	0.002	0.002	0.001	0.001-0.005	0.005	0.001-0.005	0.001
Sample Location	Sample Date	Sample #	All results in mg/L								
MW-2	3/9/94	SNLA014949	0.009 J[e]	ND[f]	ND	ND	ND	ND	0.002 J,B[g]	ND	ND
MW-2	3/9/94	SNLA014951 (Duplicate of SNLA014949)	ND	ND	ND	ND	ND	ND	0.003 J B	ND	ND
Trip Blank (3/9/94)	Lab prepared	SNLA014953	0.007 J	ND	ND	ND	ND	ND	0.003 J,B	ND	ND
MW-1	3/10/94	SNLA014955	ND	ND	ND	ND	0.002 J	0.002 J	0.002 J,B	0.013	ND
Trip Blank (3/10/94)	Lab prepared	SNLA014957	ND	ND	ND	ND	ND	ND	0.003 J,B	ND	ND
MW-2	6/6/94	SNL/NM016717	ND	ND	ND	ND	ND	ND	0.001 J	ND	ND
Trip Blank (6/6/94)	Lab prepared	SNL/NM016717	ND	ND	ND	ND	ND	ND	0.001J	ND	ND
MW-1	6/7/94	SNL/NM016718	0.007	0.003 J	0.001 J	0.003	ND	0.001 J	ND	0.013	ND
MW-1	6/7/94	SNL/NM016719 (Duplicate of SNL/NM016718)	ND	ND	ND	ND	ND	ND	ND	0.014	ND
MW-1 (Grab)	6/7/94	SNL/NM016720	ND	ND	ND	ND	ND	ND	ND	0.017	ND
Trip Blank (6/7/94)	Lab prepared	SNL/NM016718	0.013	ND	ND	ND	0.002J	ND	0.002	ND	ND
MW-2	8/31/94	SNL/NM016781	0.004 J,B	ND	ND	ND	ND	ND	ND	0.003	ND
Trip Blank (8/31/94)	Lab prepared	SNL/NM016780	0.005	ND	ND	ND	ND	ND	ND	0.003	ND

Refer to footnotes at end of table

Table 12 *(Continued)*

Summary of Analytical Results for Detected Organic Compounds
Liquid Waste Disposal System Groundwater Monitoring
Sandia National Laboratories/New Mexico, 1994

			Volatile Organic Compounds								
		Analyte	Acetone	2-Butanone	2-Hexanone	4-Methyl-2-pentanone	Carbon disulfide	Toluene	Methylene Chloride	Trichloro-ethene	Total 1,2-Dichloro-ethene
		MCL[a], mg/L[b]	NE[c]	NE	NE	NE	NE	1	NE	0.005	NE
		MDL[d], mg/L	0.005-0.010	0.005-0.010	0.002	0.002	0.001	0.001-0.005	0.005	0.001-0.005	0.001
Sample Location	Sample Date	Sample #	All results in mg/L								
MW-1	9/1/94	SNL/NM016782	ND	0.006 B	ND	ND	ND	ND	ND	0.010	0.002
MW-1	9/1/94	SNL/NM016784 (Duplicate of SNL/NM016782)	ND	0.005 B	ND	ND	ND	ND	ND	0.012	0.002
Trip Blank (9/1/94)	Lab prepared	SNL/NM016782	ND	0.005	ND	ND	ND	ND	ND	ND	ND

[a]MCL = Maximum concentration level established by U.S. Environmental Protection Agency (EPA).
[b]mg/L = Milligram(s) per liter.
[c]NE = Not established for this constituent.
[d]MDL = Minimum method detection limit obtained for nondetected parameters.
[e]J = Analyte present at level less than detection limit.
[f]ND = Not detected.
[g]B = Analyte present in method bank.

Table 13

Summary of Analytical Results for Detected Total Metals
Liquid Waste Disposal System Groundwater Monitoring
Sandia National Laboratories/New Mexico, 1994

		Analyte	Aluminum	Arsenic	Barium	Calcium	Chromium	Iron	Lead
		MCL[a], mg/L[b]	NE[c]	0.05	2	0.2	0.1	NE	0.05
		MDL[d], mg/L	0.20	0.002	0.02	0.2	0.001	0.02	0.001
Sampling Location	Sample Date	Sample #	All results in mg/L						
MW-2	3/9/94	SNLA014949	0.57	ND[e]	0.07	48	ND	0.69	ND
MW-2	3/9/94	SNLA014951 (Duplicate of SNLA014949	0.32	ND	0.07	49	0.02	0.54	ND
MW-1	3/10/94	SNLA14955	1.1	0.006	0.09	56	0.02	2.5	0.003
MW-2	6/6/94	SNL/NM016717	ND	ND	0.07	47	ND	0.05	ND
MW-1	6/7/94	SNL/NM016718	ND	0.007	0.08	55	ND	0.24	ND
MW-1	6/7/94	SNL/NM016719 (Duplicate of SNL/NM016718)	ND	0.009	0.08	53	ND	0.04	ND
MW-2	8/31/94	SNL/NM016781	ND	ND	ND (0.20)	50	ND (0.02)	ND (0.10)	ND (0.003)
MW-1	9/1/94	SNL/NM016782	ND	ND (0.010)	ND (0.20)	56 (5)	ND	ND (0.10)	ND (0.003)
MW-1	9/1/94	SNL/NM016784 (Duplicate of SNL/NM016782)	ND	ND (0.025)	ND (0.20)	59 (5)	ND	ND (0.10)	ND (0.003)
MW-1	9/1/94	SNL/NM016783 (*Filtered <0.45 µ*)	ND	ND (0.025)	ND (0.20)	57 (5)	ND	ND (0.10)	ND (0.003)

Table 13 *(Continued)*

Summary of Analytical Results for Detected Total Metals
Liquid Waste Disposal System Groundwater Monitoring
Sandia National Laboratories/New Mexico, 1994

		Analyte	Magnesium	Manganese	Potassium	Selenium	Sodium	Zinc
		MCL[a], mg/L[b]	NE[c]	NE	NE	0.05	NE	NE
		MDL[d], mg/L	0.2	0.005	0.2	0.002	0.20	0.02
Sampling Location	Sample Date	Sample #	All results in mg/L					
MW-2	3/9/94	SNLA014949	13	0.011	2.6	0.002	40	ND
MW-1	3/10/94	SNLA014955	16	0.075	3.2	0.004	96	0.04
MW-2	6/6/94	SNL/NM016717	14	ND	2.7	0.002	42	ND
MW-1	6/7/94	SNL/NM016718	17	0.022	3.2	0.004	100	ND
MW-1	6/7/94	SNL/NM016719 (Duplicate of SNL/NM016718)	16	0.008	3.3	0.004	100	ND
MW-2	8/31/94	SNL/NM016781	14 (5)	ND (0.015)	ND (5)	ND (0.005)	40	ND (0.10)
MW-1	9/1/94	SNL/NM016782	17 (5)	ND (0.015)	ND (5)	ND (0.005)	96	ND
MW-1	9/1/94	SNL/NM016784 (Duplicate of SNL/NM016782)	17 (5)	ND (0.015)	ND (5)	ND (0.005)	93	ND
MW-1	9/1/94	SNL/NM016783 (Filtered <0.45 µ)	17 (5)	ND (0.015)	ND (5)	ND (0.005)	96	ND

[a]MCL = Maximum concentration level established by U.S. Environmental Protection Agency (EPA) Primary Drinking Water Regulations (PDWR) in 40 CFR 141.11 (b) and subsequent amendments.
[b]mg/L = Milligram(s) per liter.
[c]NE = Not established for this constituent.
[d]MDL = Minimum method detection limit obtained for nondetected parameters.
[e]ND = Not detected.

Table 14

Summary of Gamma Isotopic Analyses
Liquid Waste Disposal System Groundwater Monitoring
Sandia National Laboratories/New Mexico, 1994

Monitor Well	Sample #	Isotopic Analysis (pCi/L)[a]				
		Isotope	Value ± Measurement Uncertainty	MCL[b]	DOE[c] Guideline	MAC[d]
LWDS-MW1 03-10-94	SNLA014956	Radium-226	3.38E-01±5.39E-02	5[e]	4	30.0[f]
		Lead-214	2.94E-01±4.61E-02	8,000[g]	8,000[g]	NE[h]
		Bismuth-214	3.54E-01±5.63E-02	24,000[g]	24,000[g]	NE
LWDS-MW1 06-07-94	SNL/NM016718	Bismuth-214	1.42E-01±3.69E-02	24,000[g]	24,000[g]	NE
LWDS-MW1 (duplicate) 06-07-94	SNL/NM016719	Lead-214	1.27E-01±4.45E-02	8,000[g]	8,000[g]	NE
LWDS-MW1 09-01-94	SNL/NM016782	Uranium-238	2.65E-01±1.82E-01	24[g]	24[g]	NE
		Thorium-234	2.66E-01±1.83E-01	400[g]	400[g]	NE
LWDS-MW1 (duplicate) 09-01-94	SNL/NM016784	Radium-224	7.58E-01±4.82E-01	16[g]	16[g]	NE
LWDS-MW2 (duplicate) 03-09-94	SNLA014952	Radium-226	1.27E-01±4.21E-02	5[e]	4	30.0[f]
		Lead-214	1.53E-01±4.42E-02	8,000[g]	8,000[g]	NE
		Bismuth-214	1.33E-01±4.40E-02	24,000[g]	24,000[g]	NE
LWDS-MW2 06-06-94	SNL/NM016717	Lead-214	3.24E-01±5.15E-02	8,000[g]	8,000[g]	NE
		Bismuth-214	2.79E-01±4.30E-02	24,000[g]	24,000[g]	NE
LWDS-MW2 08-31-94	SNL/NM016781	Lead-214	1.60E-01±4.46E-02	8,000[g]	8,000[g]	NE
		Strontium-85	2.07E-02±1.25E-02	2,800[g]	2,800[g]	NE

[a]pCi/L = Picocuries per liter.
[b]MCL = Maximum Contaminant Level, U.S. Environmental Protection Agency; National Primary Drinking Water Regulations; Title 40 Code of Federal Regulations, Section 141.
[c]DOE Guideline, U.S. Department of Energy, "Radiation Protection of the Public and the Environment," DOE 5400-5, 02-08-90, Chapter III; U.S. Department of Energy, Washington, D.C.
[d]MAC = Maximum Allowable Concentration, New Mexico Water Quality Control Commission; New Mexico Water Quality Control Commission Regulations, Part 3, Section 103, August 1991.
[e]MCL is 5 pCi/L for radium-226 and radium-228 combined.
[f]MAC is 30.0 pCi/L for radium-226 and radium-228 combined.
[g]Value is based on a 4 millirem annual dose equivalent for photon radioactivity.
[h]NE = Not established.

Table 15

Summary of Radionuclide Analyses
Liquid Waste Disposal System Groundwater Monitoring
Sandia National Laboratories/New Mexico, 1994

		Gross Analysis (pCi/L)[a]				Isotopic Analysis (pCi/L)				
Monitor Well	Sample #	Parameter	Value ± Measurement Uncertainty	MDA[b]	MCL[c]	Isotope	Value ± Measurement Uncertainty	MDA[b]	MCL[c]	DOE Guideline[d]
LWDS-MW1 03-10-94	SNLA014956	Alpha Beta Total Uranium	3.4±3.1 3.0±2.1 3.9 µg/L[e,f]	3.3 3.1 0.050 µg/L	15 NE[g] NE	Tritium	170±160	250	20,000	80,000
LWDS-MW1 06-07-94	SNL/NM016718	Alpha Beta	5.0±3.0 4.9±1.8	2.6 2.2	15 NE	Tritium	330±150, B (260)[h]	230	20,000	80,000
LWDS-MW1 (duplicate) 06-07-94	SNL/NM016719	Alpha Beta	6.1±3.3 4.6±1.7	2.5 2.0	15 NE	Tritium	300±150, B (260)[h]	230	20,000	80,000
LWDS-MW1 09-01-94	SNL/NM016782	Alpha Beta	5.57±1.63 4.60±1.12	1.79 1.68	15 NE	Tritium	62±118	199	20,000	80,000
LWDS-MW1 (duplicate) 09-01-94	SNL/NM016784	Alpha Beta	5.82±1.78 4.15±1.11	2.02 1.76	15 NE	Tritium	46±117	199	20,000	80,000
LWDS-MW2 03-09-94	SNLA014950	Alpha Beta Total Uranium	4.8±2.4 2.3±1.3 2.9 µg/L[e]	1.8 2.0 0.050 µg/L	15 NE NE	Tritium	140±150	250	20,000	80,000
LWDS-MW2 (duplicate) 03-09-94	SNLA014952	Alpha Beta Total Uranium	4.6±2.5 3.1±1.5 2.7 µg/L[e]	2.0 1.9 0.050 µg/L	15 NE NE	Tritium	150±150	250	20,000	80,000
LWDS-MW2 06-06-94	SNL/NM016717	Alpha Beta	4.5±2.3 3.0±1.6	1.5 2.2	15 NE	Tritium	120±140	230	20,000	80,000
LWDS-MW2 08-31-94	SNL/NM016781	Alpha Beta	5.65±1.13 3.72±0.58	0.92 0.66	15 NE	Tritium	7±116	199	20,000	80,000
Equipment Blank LWDS-MW2 03-09-94	SNLA014948	Alpha Beta Total Uranium	0.020±0.48 -0.72±1.3[f] 0.030 µg/L[e]	0.77 2.2 0.050 µg/L	15 NE NE	Tritium	6.9±150	250	20,000	80,000
Equipment Blank LWDS-MW2 06-06-94	SNL/NM016716	Alpha Beta	-0.10±0.36 -0.53±1.4	0.66 2.3	15 NE	Tritium	130±140	230	20,000	80,000

Refer to footnotes at end of table

Table 15 *(Continued)*

Summary of Radionuclide Analyses
Liquid Waste Disposal System Groundwater Monitoring
Sandia National Laboratories/New Mexico, 1994

		Gross Analysis (pCi/L)[a]				Isotopic Analysis (pCi/L)				
Monitor Well	Sample #	Parameter	Value ± Measurement Uncertainty	MDA[b]	MCL[c]	Isotope	Value ± Measurement Uncertainty	MDA[b]	MCL[c]	DOE Guideline[d]
Equipment Blank LWDS-MW2 08-31-94	SNL/NM016780	Alpha Beta	1.05±0.27 0.34±0.27	0.26 0.61	15 NE	Tritium	-32±115	199	20,000	80,000
Field Blank 03-09-94	SNLA014954	Alpha Beta Total Uranium	-0.23±0.27 -0.39±1.2 0.030 µg/L[e]	0.62 2.0 0.050 µg/L	15 NE NE	Tritium	98±150	250	20,000	80,000

[a]pCi/L = Picocuries per liter.
[b]MDA = Minimum detectable activity.
[c]MCL = Maximum Concentration Level, U.S. Environmental Protection Agency, National Primary Drinking Water Regulations; Title 40 Code of Federal Regulations, Section 141.
[d]DOE Guideline = U.S. Department of Energy, "Radiation Protection of the Public and the Environment," DOE 5400-5, 02-08-90, Chapter III; U.S. Department of Energy, Washington, D.C.
[e]Total uranium is reported as chemical abundance, not as activity.
[f]µg/L = Micrograms per liter.
[g]NE = Not established.
[h]Activity detected in the method blank at the value in parentheses.
[i]Values of zero or less than zero are considered to be not detected.

Table 14a

Summary Of Chemical Analysis Results, SNL/NM TA-5 Groundwater Monitoring Project, LWDS-MW1, Calendar Year 1995

Parameter	Analysis Method	LWDS-MW1 12/8/94[a]	LWDS-MW1 3/2/95	LWDS-MW1 6/14/95	LWDS-MW1 9/25/95
Wet Chemistry					
Alkalinity, total	2320B	230 mg/L[b]	220 mg/L	230 mg/L	NA
Chloride	325.2	72 mg/L	75 mg/L	76 mg/L	NA
Fluoride	340.2	0.8 mg/L	0.8 mg/L	0.71 mg/L	NA
Nitrate plus Nitrite (as N) (10)[c]	353.2	9.8 mg/L	9.5 mg/L	9.8 mg/L	8.80 mg/L B
pH	9040, 9041	7.5 SU[d]	NA[e]	NA	7.18
Sulfate	9038	43 mg/L	41 mg/L	47 mg/L	NA
Total Dissolved Solids	160.1	NA	NA	460 mg/L	NA
Metals, total					
Aluminum	6010	ND[f] (0.20 mg/L)	ND (0.20 mg/L)	ND (0.20 mg/L)	NA
Antimony (0.006)	6010	ND (0.06 mg/L)	ND (0.06 mg/L)	ND (0.06 mg/L)	NA
Arsenic (0.05)	6020	ND (0.010 mg/L)	ND (0.010 mg/L)	ND (0.010 mg/L)	NA
Barium (2)	6010	ND (0.20 mg/L)	ND (0.20 mg/L)	ND (0.20 mg/L)	NA
Beryllium (0.004)	6010	ND (0.005 mg/L)	ND (0.005 mg/L)	ND (0.005 mg/L)	NA
Cadmium (0.005)	6010	ND (0.005 mg/L)	ND (0.005 mg/L)	ND (0.005 mg/L)	NA
Calcium	6010	57 mg/L	56 mg/L	55 mg/L	NA
Chromium (0.1)	6020	ND (0.010 mg/L)	ND (0.010 mg/L)	ND (0.010 mg/L)	NA
Cobalt	6010	ND (0.05 mg/L)	ND (0.05 mg/L)	ND (0.05 mg/L)	NA
Copper	6010	ND (0.02 mg/L)	ND (0.02 mg/L)	ND (0.02 mg/L)	NA
Iron	6010	ND (0.10 mg/L)	ND (0.10 mg/L)	ND (0.10 mg/L)	NA
Lead (0.015)[g]	6020	ND (0.003 mg/L)	ND (0.003 mg/L)	ND (0.003 mg/L)	NA
Magnesium	6010	18 mg/L	18 mg/L	18 mg/L	NA
Manganese	6010	ND (0.015 mg/L)	ND (0.015 mg/L)	ND (0.015 mg/L)	NA
Mercury (0.002)	7470	ND (0.0002 mg/L)	ND (0.0002 mg/L)	ND (0.0002 mg/L)	NA
Nickel (0.1)	6010	ND (0.04 mg/L)	ND (0.04 mg/L)	ND (0.04 mg/L)	NA
Potassium	6010	ND (5.0 mg/L)	ND (5.0 mg/L)	ND (5.0 mg/L)	NA
Selenium (0.05)	6020	0.006 mg/L	0.006 mg/L	0.006 mg/L	NA
Silver	6010	ND (0.01 mg/L)	ND (0.01 mg/L)	ND (0.01 mg/L)	NA
Sodium	6010	93 mg/L	89 mg/L	79 mg/L	NA
Thallium (0.002)	6020	ND (0.010 mg/L)	ND (0.010 mg/L)	ND (0.010 mg/L)	NA
Vanadium	6010	ND (0.05 mg/L)	ND (0.05 mg/L)	ND (0.05 mg/L)	NA
Zinc	6010	ND (0.02 mg/L)	ND (0.02 mg/L)	ND (0.02 mg/L)	NA
Organic Compounds[h]					
Acetone	8240	NA	0.012 mg/L	NA	NA
1,1-Dichloroethene (0.007)	8010	ND (0.001 mg/L)	ND (0.005 mg/L)	0.003 B[i] mg/L	ND (0.001 mg/L)
cis-1,2-Dichloroethene (0.07)	8010/8240	0.002 mg/L	NA	ND (0.001 mg/L)	NA
Total-1,2-Dichloroethene	8240	NA	0.002 mg/L	NA	NA
Trichloroethene (0.005)	8010/8240	0.014 mg/L	0.017 mg/L	0.015 mg/L	ND (0.001 mg/L)
Bis(2-ethylhexyl) phthalate	8270	0.003 J[j] mg/L	0.003 J mg/L	0.003 J mg/L	NA
Di-n-butyl phthalate	8270	0.003 J B mg/L	ND (0.010 mg/L)	0.004 J B mg/L	NA

Refer to footnotes at end of table.

Table 14a

Summary Of Chemical Analysis Results, SNL/NM TA-5 Groundwater Monitoring Project, LWDS-MW1, Calendar Year 1995

[a]Date of sample collection.
[b]mg/L = Milligrams per liter.
[c]Values in parentheses are the maximum contaminant levels (in mg/L) established by the U.S. Environmental Protection Agency (EPA) Primary Drinking Water Regulations (PDWR) in 40 CFR 141.11b, subsequent amendments, or the New Mexico Environmental Improvement Board in the New Mexico Register, Title 20, Chapter 7, Part 1.
[d]SU = standard pH units.
[e]NA = Not analyzed or not applicable.
[f]ND = Not detected above the associated quantitation limit shown in parentheses.
[g]No MCL is established for lead in drinking water. The action level is 0.015 mg/L, and that value is treated as an MCL for this report.
[h]Only identified compounds are reported.
[i]B = Compound also detected in a laboratory or field blank sample.
[j]J = Estimated concentration value less than the quantitation limit.

Table 14b

Summary Of Chemical Analysis Results, SNL/NM TA-5 Groundwater Monitoring Project, LWDS-MW2, Calendar Year 1995

Parameter	Analysis Method	LWDS-MW2 12/7/94[a]	LWDS-MW2 3/1/95	LWDS-MW2 6/12/95	LWDS-MW2 9/21/95
Wet Chemistry					
Alkalinity, total	2320B	180 mg/L[b]	170 mg/L	190 mg/L	NA
Chloride	325.2	14 mg/L	10 mg/L	20 mg/L	NA
Fluoride	340.2	1.4 mg/L	1.4 mg/L	1.3 mg/L	NA
Nitrate plus Nitrite (as N) (10)[c]	353.2	13 mg/L	7.7 mg/L	10 mg/L	1.57 mg/L B
pH	9040, 9041	7.8 SU[d]	NA[e]	NA	7.35
Sulfate	9038	39 mg/L	40 mg/L	50 mg/L	NA
Total Dissolved Solids	160.1	NA	NA	310 mg/L	NA
Metals, total					
Aluminum	6010	ND[f] (0.20 mg/L)	ND (0.20 mg/L)	ND (0.20 mg/L)	NA
Antimony (0.006)	6010	ND (0.06 mg/L)	ND (0.06 mg/L)	ND (0.06 mg/L)	NA
Arsenic (0.05)	6020	ND (0.010 mg/L)	ND (0.010 mg/L)	ND (0.010 mg/L)	NA
Barium (2)	6010	ND (0.20 mg/L)	ND (0.20 mg/L)	ND (0.20 mg/L)	NA
Beryllium (0.004)	6010	ND (0.005 mg/L)	ND (0.005 mg/L)	ND (0.005 mg/L)	NA
Cadmium (0.005)	6010	ND (0.005 mg/L)	ND (0.005 mg/L)	ND (0.005 mg/L)	NA
Calcium	6010	47 mg/L	48 mg/L	44 mg/L	NA
Chromium (0.1)	6020	ND (0.010 mg/L)	ND (0.010 mg/L)	ND (0.010 mg/L)	NA
Cobalt	6010	ND (0.05 mg/L)	ND (0.05 mg/L)	ND (0.05 mg/L)	NA
Copper	6010	ND (0.02 mg/L)	ND (0.02 mg/L)	ND (0.02 mg/L)	NA
Iron	6010	ND (0.10 mg/L)	ND (0.10 mg/L)	ND (0.10 mg/L)	NA
Lead (0.015)[g]	6020	ND (0.003 mg/L)	ND (0.003 mg/L)	ND (0.003 mg/L)	NA
Magnesium	6010	14 mg/L	14 mg/L	14 mg/L	NA
Manganese	6010	ND (0.015 mg/L)	ND (0.015 mg/L)	ND (0.015 mg/L)	NA
Mercury (0.002)	7470	ND (0.0002 mg/L)	ND (0.0002 mg/L)	ND (0.0002 mg/L)	NA
Nickel (0.1)	6010	ND (0.04 mg/L)	ND (0.04 mg/L)	ND (0.04 mg/L)	NA
Potassium	6010	ND (5.0 mg/L)	ND (5.0 mg/L)	ND (5.0 mg/L)	NA
Selenium (0.05)	6020	ND (0.005 mg/L)	ND (0.005 mg/L)	ND (0.005 mg/L)	NA
Silver	6010	ND (0.01 mg/L)	ND (0.01 mg/L)	ND (0.01 mg/L)	NA
Sodium	6010	43 mg/L	43 mg/L	42 mg/L	NA
Thallium (0.002)	6020	ND (0.010 mg/L)	ND (0.010 mg/L)	ND (0.010 mg/L)	NA
Vanadium	6010	ND (0.05 mg/L)	ND (0.05 mg/L)	ND (0.05 mg/L)	NA
Zinc	6010	ND (0.02 mg/L)	ND (0.02 mg/L)	ND (0.02 mg/L)	NA
Organic Compounds[h]					
Acetone	8240	NA	0.016 mg/L	NA	NA
1,1-Dichloroethene (0.007)	8010	ND (0.001 mg/L)	ND (0.005 mg/L)	0.003 mg/L	ND (0.001 mg/L)
Di-n-butyl phthalate	8270	0.001 J[i] B[j] mg/L	ND (0.010 mg/L)	ND (0.010 mg/L)	NA

[a]Date of sample collection.
[b]mg/L = Milligrams per liter.
[c]Values in parentheses are the maximum contaminant levels (in mg/L) established by the U.S. Environmental Protection Agency (EPA) Primary Drinking Water Regulations (PDWR) in 40 CFR 141.11(b), subsequent amendments, or the New Mexico Environmental Improvement Board in the New Mexico Register, Title 20, Chapter 7, Part 1.
[d]SU = standard pH units.
[e]NA = Not analyzed or not applicable.
[f]ND = Not detected above the associated quantitation limit shown in parentheses.
[g]No MCL is established for lead in drinking water. The action level is 0.015 mg/L, and that value is treated as an MCL for this report.
[h]Only identified compounds are reported.
[i]J = Estimated concentration value less than the quantitation limit.
[j]B = Compound also detected in a laboratory or field blank sample.

Table 15a

Summary of Results of Radioisotopic Analysis, SNL/NM TA-5 Groundwater Monitoring Project, LWDS-MW1, Calendar Year 1995

Site	Sampling Date	Analyte	Activity (pCi/L)[a,b] ± Measurement Uncertainty (pCi/L)	MDA[c] (pCi/L)	MCL[d] (pCi/L)	DOE Guidelin (pCi/L)[e]
LWDS-MW1	12/8/94	Gross Alpha	5.4 ± 3.0	3.0	15[f]	15[f]
		Gross Beta	2.8 ± 1.7	2.5	Not Established	
		Tritium	110 ± 150	240	20,00	20,000
	3/2/95	Gross Alpha	4.7 ± 2.5	2.5	15[f]	15[f]
		Gross Beta	5.9 ± 2.7	3.7	Not Established	
		Tritium	150 ± 140	230	20,000	20,000
	6/14/95	Gross Alpha	3.94 ± 2.24	2.90	15[f]	15[f]
		Gross Beta	1.56 ± 1.09	2.02	Not Established	
		Tritium	-52 ± 100	175	20,000	20,00C
	9/25/95	Gross Alpha	3.5 ± 0.99	3.0	15[f]	15[f]
		Gross Beta	5.33 ± 1.4	3.0	Not Established	
		Tritium	-0.042 ± 0.095	200	20,000	20,00C

[a]pCi/L = Picocuries per liter.
[b]Values of zero or less than zero are considered to be not detected.
[c]MDA = Minimum Detectable Activity.
[d]MCL = Maximum contaminant levels established by U.S. Environmental Protection Agency (EPA) Primary Drinking Water Regulations (PDWR) in 40 CFR 141.15, 141.16 and subsequent amendments, or New Mexico Environmental Improvement Board in New Mexico Register, Title 20, Chapter 7, Part 1.
[e]DOE Guidelines = U.S. Department of Energy guidelines for drinking water systems, DOE Order 5400.5, Chapter III, 02-08-90.
[f]MCL and DOE guideline for gross alpha activity is 15 pCi/L after subtracting uranium and radon contributions.

Table 15b

Summary of Results of Radioisotopic Analysis, SNL/NM TA-5 Groundwater Monitoring Project, LWDS-MW2, Calendar Year 1995

Site	Sampling Date	Analyte	Activity (pCi/L)[a,b] ± Measurement Uncertainty (pCi/L)	MDA[c] (pCi/L)	MCL[d] (pCi/L)	DOE Guideline[e] (pCi/L)
LWDS-MW2	12/07/94	Gross Alpha	6.3 ± 2.6	1.9	15[f]	15[f]
		Gross Beta	2.2 ± 1.3	2.1	Not Established	
		Tritium	230 ± 220	360	20,000	20,000
	3/1/95	Gross Alpha	3.7 ± 1.9	1.9	15[f]	15[f]
		Gross Beta	2.6 ± 1.5	2.2	Not Established	
		Tritium	200 ± 150	230	20,000	20,000
	6/12/95	Gross Alpha	7.41 ± 1.48	1.30	15[f]	15[f]
		Gross Beta	3.16 ± 0.59	0.84	Not Established	
		Tritium	-19 ± 105	182	20,000	20,000
	9/21/95	Gross Alpha	NA[g]	NA	15[f]	15[f]
		Gross Beta	NA	NA	Not Established	
		Tritium	NA	NA	20,000	20,000

[a]pCi/L = Picocuries per liter.
[b]Values of zero or less than zero are considered to be not detected.
[c]MDA = Minimum Detectable Activity.
[d]MCL = Maximum contaminant levels established by U.S. Environmental Protection Agency (EPA) Primary Drinking Water Regulations (PDWR) in 40 CFR 141.15, 141.16 and subsequent amendments, or New Mexico Environmental Improvement Board in New Mexico Register, Title 20, Chapter 7, Part 1.
[e]DOE Guidelines = U.S. Department of Energy guidelines for drinking water systems, DOE Order 5400.5, Chapter III, 02-08-90.
[f]MCL and DOE guideline for gross alpha activity is 15 pCi/L after subtracting uranium and radon contributions.
[g]NA = Not analyzed.

Table 12a
Summary of Chemical Analysis Results, SNL/NM TA-5 Groundwater Monitoring Project, LWDS-MW1, December 1995 through September 1996

Parameter	Analysis Method	LWDS-MW1[a] 12/19/95[a]	LWDS-MW1 3/18/96[a]	LWDS-MW1 6/26/96[a]	LWDS-MW1 9/10/96[a]
Wet Chemistry					
Alkalinity, total as $CaCO_3$	310.1/310.2	217 mg/L	NA[b]	NA	NA
Chlorides	310.1/310.2	68.3 mg/L	NA	NA	NA
Fluoride (4.0)[c]	310.1/310.2	0.911 mg/L	NA	NA	NA
Nitrate plus Nitrite (as N) (10)	353.1	10.1 mg/L B[d]	12 mg/L[e]	12 mg/L[e]	11 mg/L[f]
pH	—	7.39 SU[g]	7.24 SU	NA	7.38 SU
Sulfate as SO_4	310.1/310.2	40.7 mg/L	NA	NA	NA
Total organic carbon	415.1	3.22 mg/L	NA	NA	NA
Metals, total (in mg/L)					
Aluminum	6010	0.0837	NA	NA	NA
Antimony (0.006)	6010	0.00134 B	NA	NA	NA
Arsenic (0.05)	6020	0.00417 J[h]	NA	NA	NA
Barium (2)	6010	0.0882	NA	NA	NA
Beryllium (0.004)	6010	0.0000352	NA	NA	NA
Cadmium (0.005)	6010	ND (0.005)[i]	NA	NA	NA
Calcium	6010	62.5	NA	NA	NA
Chromium (0.1)	6020	0.00163 J	NA	NA	NA
Cobalt	6010	ND (0.01)	NA	NA	NA
Copper	6010	ND (0.01)	NA	NA	NA
Iron	6010	0.0985	NA	NA	NA
Lead (0.015)[j]	6020	0.00290 J	NA	NA	NA
Magnesium	6010	19.0	NA	NA	NA
Manganese	6010	0.0122	NA	NA	NA
Mercury (0.002)	7470	0.000297 B	NA	NA	NA
Nickel (0.1)	6010	0.00296 J	NA	NA	NA
Potassium	6010	3.45	NA	NA	NA
Selenium (0.05)	6020	ND (0.005)	NA	NA	NA
Silver	6010	ND (0.01)	NA	NA	NA
Sodium	6010	85.9	NA	NA	NA
Thallium (0.002)	6020	ND (0.01)	NA	NA	NA
Vanadium	6010	0.00472 J	NA	NA	NA
Zinc	6010	0.00692 J	NA	NA	NA

Refer to footnotes at end of table.

Table 12a *(Concluded)*
Summary of Chemical Analysis Results, SNL/NM TA-5 Groundwater Monitoring Project, LWDS-MW1, December 1995 through September 1996

Parameter	Analysis Method	LWDS-MW1[a] 12/19/95[a]	LWDS-MW1 3/18/96[a]	LWDS-MW1 6/26/96[a]	LWDS-MW1 9/10/96[a]
Organic Compounds (mg/L)[k]					
1,1-Dichloroethane	8010[f]; 8240[e]	ND (0.001)	0.00017 J[f]	ND (0.0005)	0.00018 mg/L J[f]
Chloroform	8010[f]; 8240[e]	ND (0.001)	0.00027 J[f]	ND (0.0005)	0.00036 mg/L J[f]
Chlorobenzene	8020[f]; 8240[e]	ND (0.004)	0.00011 mg/L J; B[f]	ND (0.0005)	ND (0.0005)
Toluene	8020[f]; 8240[e]	ND (0.001)	0.00016 J[f]	ND (0.0005)	ND (0.0005)
cis-1,2-Dichloroethene (0.07)	8010[f]; 8240[e]	ND (0.001)	ND (0.0005)	0.0031 mg/L J[f]	0.0034 mg/L J[e]
total-1,2-Dichloroethene (0.005)	8010[f]; 8240[e]	ND (0.001)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Tetrachloroethene (PCE) (0.005)	8010[f], 8240	ND	ND	ND	0.00018 mg/L J
Trichloroethene (0.005)	8010[f]; 8240[e]	0.0148 mg/L	0.014 mg/L[e]	0.017 mg/L[e]	0.018 mg/L[e]
Bis(2-Ethylhexyl)phthalate	8270[f]	ND (0.001)	NA	NA	NA
Di-n-butyl phthalate	8270[f]	ND (0.001)	NA	NA	NA

[a]Date of sample collection.
[b]NA = Not analyzed or not applicable; total metals and SVOCs only collected and analyzed annually; organic compounds and nitrate analyzed quarterly.
[c]Values in parentheses are the maximum contaminant levels (MCLs, in mg/L) established by the U.S. Environmental Protection Agency (EPA) Primary Drinking Water Regulations (PDWR) in 40 CFR 141.11(b), subsequent amendments, or the New Mexico Environmental Improvement Board in the New Mexico Register, Title 20, Chapter 7, Part 1.
[d]B = Compound also detected in a laboratory or field blank sample.
[e]SNL/NM onsite laboratory analytical results.
[f]Offsite laboratory analytical results.
[g]SU = standard pH units; pH measured in field; reported value measured prior to sampling.
[h]J = Estimated concentration value less than the quantitation limit.
[i]ND = Not detected above the associated quantitation limit shown in parentheses.
[j]No MCL is established for lead in drinking water. The action level is 0.015 mg/L, and that value is treated as an MCL for this report.
[k]Where onsite and offsite data are available for the same well, the highest concentration is reported.

Table 12b
Summary of Chemical Analysis Results, SNL/NM TA-5 Groundwater Monitoring Project, LWDS-MW2, December 1995 through September 1996

Parameter	Analysis Method	LWDS-MW2 12/14/95[a]	LWDS-MW2 3/19/96[a]	LWDS-MW2 6/19/96[a]	LWDS-MW2 9/19/96[a]
Wet Chemistry					
Alkalinity, total as $CaCO_3$	310.1/310.2	172 mg/L	NA[b]	NA	NA
Chlorides	310.1/310.2	15.0 mg/L	NA	NA	NA
Fluoride (4.0)[c]	310.1/310.2	1.39 mg/L	NA	NA	NA
Nitrate plus Nitrite (as N) (10)	353.1	7.20 mg/L B[d]	9.1 mg/L[e]	6.3 mg/L[e]	9.8 mg/L[f]
pH	—	7.2 SU[g]	7.36 SU	NA	7.43 SU
Sulfate as SO_4	310.1/310.2	39.9 mg/L	NA	NA	NA
Total organic carbon	415.1	1.98 mg/L	NA	NA	NA
Metals, total (in mg/L)					
Aluminum	6010	0.0382 J[h]	NA	NA	NA
Antimony (0.006)	6010	ND (0.01)[i] B	NA	NA	NA
Arsenic (0.05)	6020	ND (0.01)	NA	NA	NA
Barium (2)	6010	0.0718	NA	NA	NA
Beryllium (0.004)	6010	0.0000625 J; B	NA	NA	NA
Cadmium (0.005)	6010	ND (0.005)	NA	NA	NA
Calcium	6010	46.9	NA	NA	NA
Chromium (0.1)	6020	0.00410 J	NA	NA	NA
Cobalt	6010	ND (0.01)	NA	NA	NA
Copper	6010	ND (0.01)	NA	NA	NA
Iron	6010	0.0504	NA	NA	NA
Lead (0.015)[j]	6020	0.00183 J	NA	NA	NA
Magnesium	6010	13.3	NA	NA	NA
Manganese	6010	0.000922 J	NA	NA	NA
Mercury (0.002)	7470	0.0000180 J; B	NA	NA	NA
Nickel (0.1)	6010	ND (0.01)	NA	NA	NA
Potassium	6010	2.67	NA	NA	NA
Selenium (0.05)	6020	ND (0.005)	NA	NA	NA
Silver	6010	ND (0.01)	NA	NA	NA
Sodium	6010	43.5	NA	NA	NA
Thallium (0.002)	6020	ND (0.01)	NA	NA	NA
Vanadium	6010	0.00629 J	NA	NA	NA
Zinc	6010	ND (0.02)	NA	NA	NA

Refer to footnotes at end of table.

Table 12b *(Concluded)*
Summary of Chemical Analysis Results, SNL/NM TA-5 Groundwater Monitoring Project, LWDS-MW2, December 1995 through September 1996

Parameter	Analysis Method	LWDS-MW2 12/14/95[a]	LWDS-MW2 3/19/96[a]	LWDS-MW2 6/19/96[a]	LWDS-MW2 9/19/96[a]
Organic Compounds (mg/L)[k]					
1,1-Dichloroethane	8010[f]; 8240[e]	ND (0.001)	ND (0.0005)	ND (0.0005)	0.00018 mg/L J[f]
Chloroform	8010[f]; 8240[e]	ND (0.001)	ND (0.0005)	ND (0.0005)	0.00036 mg/L J[f]
Chlorobenzene	8020[f]; 8240[e]	ND (0.004)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Toluene	8020[f]; 8240[e]	ND (0.001)	ND (0.0005)	ND (0.0005)	ND (0.0005)
cis-1,2-Dochloroethene (0.07)[f]	8010	ND (0.001 mg/L)	ND (0.0005)	ND (0.0005)	ND (0.0005)
total-1,2-Dichloroethene (0.005)[f]	8010	ND (0.001 mg/L)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Trichloroethene (0.005)[f]	8010	ND (0.001 mg/L)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Bis(2-Ethylhexyl)phthalate	8270	ND (0.001)	NA	NA	NA
Di-n-butyl phthalate	8270	ND (0.001)	NA	NA	NA

[a]Date of sample collection.
[b]NA = Not analyzed or not applicable; total metals and SVOCs only collected and analyzed annually; organic compounds and nitrate analyzed quarterly.
[c]Values in parentheses are the maximum contaminant levels (MCLs, in mg/L) established by the U.S. Environmental Protection Agency (EPA) Primary Drinking Water Regulations (PDWR) in 40 CFR 141.11(b), subsequent amendments, or the New Mexico Environmental Improvement Board in the New Mexico Register, Title 20, Chapter 7, Part 1.
[d]B = Compound also detected in a laboratory or field blank sample.
[e]SNL/NM onsite laboratory analytical results.
[f]Offsite laboratory analytical results.
[g]SU = standard pH units; pH measured in field; reported value measured prior to sampling.
[h]J = Estimated concentration value less than the quantitation limit.
[i]ND = Not detected above the associated quantitation limit shown in parentheses.
[j]No MCL is established for lead in drinking water. The action level is 0.015 mg/L, and that value is treated as an MCL for this report.
[k]Where onsite and offsite data are available for the same well, the highest concentration is reported.

Table 12c
Summary of Chemical Analysis Results, SNL/NM TA-5 Groundwater Monitoring Project, TA5-MW1, December 1995 through September 1996

Parameter	Analysis Method	TA5-MW1 12/18/95[a]	TA5-MW1 3/19/96[a]	TA5-MW1 6/27/96[a]	TA5-MW1 9/9/96[a]
Wet Chemistry					
Alkalinity, total as $CaCO_3$	310.1/310.2	187 mg/L	NA[b]	NA	NA
Chlorides	310.1/310.2	42.3 mg/L	NA	NA	NA
Fluoride (4.0)[c]	310.1/310.2	1.13 mg/L	NA	NA	NA
Nitrate plus Nitrite (as N) (10)	353.1	4.30 mg/L B[d]	2.2 mg/L[e]	4.4 mg/L[e]	NA
pH	—	7.34 SU[g]	7.45 SU	NA	7.54 SU
Sulfate as SO_4	310.1/310.2	52.8 mg/L	NA	NA	NA
Total organic carbon	415.1	1.83 mg/L	NA	NA	NA
Metals, total (in mg/L)					
Aluminum	6010	0.376	NA	NA	NA
Antimony (0.006)	6010	ND (0.01)[j] B	NA	NA	NA
Arsenic (0.05)	6020	ND (0.01)	NA	NA	NA
Barium (2)	6010	0.085	NA	NA	NA
Beryllium (0.004)	6010	0.000102 J[h]; B	NA	NA	NA
Cadmium (0.005)	6010	ND (0.005)	NA	NA	NA
Calcium	6010	53.1	NA	NA	NA
Chromium (0.1)	6020	0.0025 J	NA	NA	NA
Cobalt	6010	0.00023 J	NA	NA	NA
Copper	6010	ND (0.01)	NA	NA	NA
Iron	6010	0.394	NA	NA	NA
Lead (0.015)[j]	6020	0.00213 J	NA	NA	NA
Magnesium	6010	16	NA	NA	NA
Manganese	6010	0.0318	NA	NA	NA
Mercury (0.002)	7470	0.000184 J; B	NA	NA	NA
Nickel (0.1)	6010	ND (0.01)	NA	NA	NA
Potassium	6010	3.96	NA	NA	NA
Selenium (0.05)	6020	ND (0.005)	NA	NA	NA
Silver	6010	ND (0.01)	NA	NA	NA
Sodium	6010	64.1	NA	NA	NA
Thallium (0.002)	6020	ND (0.01)	NA	NA	NA
Vanadium	6010	0.0045 J	NA	NA	NA
Zinc	6010	0.008 J	NA	NA	NA

Refer to footnotes at end of table.

Table 12c *(Concluded)*
Summary of Chemical Analysis Results, SNL/NM TA-5 Groundwater Monitoring Project, TA5-MW1, December 1995 through September 1996

Parameter	Analysis Method	TA5-MW1 12/18/95[a]	TA5-MW1 3/19/96[a]	TA5-MW1 6/27/96[a]	TA5-MW1 9/9/96[a]
Organic Compounds (mg/L)[k]					
1,1-Dichloroethane	8010[f]; 8240[e]	ND (0.001)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Chloroform	8010[f]; 8240[e]	ND (0.001)	ND (0.0005)	ND (0.0005)	0.00017 J
Chlorobenzene	8020[f]; 8240[e]	ND (0.004)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Toluene	8020[f]; 8240[e]	ND (0.001) B	ND (0.0005)	ND (0.0005)	ND (0.0005)
cis-1,2-Dichloroethene (0.07)[f]	8010	ND (0.001 mg/L)	ND (0.001 mg/L)	ND (0.001 mg/L)	ND (0.001 mg/L)
total-1,2-Dichloroethene (0.005)[f]	8010	ND (0.001 mg/L)	ND (0.005 mg/L)	ND (0.001 mg/L)	ND (0.001 mg/L)
Tetrachloroethene (PCE) (0.005)[f]	8010	ND	ND	ND	0.00017 mg/L J
Trichloroethene (0.005)[f]	8010	0.00144 J (0.001 mg/L)	ND (0.0005 mg/L)	0.0027 mg/L)	0.0027 mg/L)
Bis(2-Ethylhexyl)phthalate	8270	ND (0.001)	NA	NA	NA
Di-n-butyl phthalate	8270	ND (0.001)	NA	NA	NA

[a]Date of sample collection.
[b]NA = Not analyzed or not applicable; total metals and SVOCs only collected and analyzed annually; organic compounds and nitrate analyzed quarterly.
[c]Values in parentheses are the maximum contaminant levels (MCLs, in mg/L) established by the U.S. Environmental Protection Agency (EPA) Primary Drinking Water Regulations (PDWR) in 40 CFR 141.11(b), subsequent amendments, or the New Mexico Environmental Improvement Board in the New Mexico Register, Title 20, Chapter 7, Part 1.
[d]B = Compound also detected in a laboratory or field blank sample.
[e]SNL/NM onsite laboratory analytical results.
[f]Offsite laboratory analytical results.
[g]SU = standard pH units; pH measured in field; reported value measured prior to sampling.
[h]J = Estimated concentration value less than the quantitation limit.
[i]ND = Not detected above the associated quantitation limit shown in parentheses.
[j]No MCL is established for lead in drinking water. The action level is 0.015 mg/L, and that value is treated as an MCL for this report.
[k]Where onsite and offsite data are available for the same well, the highest concentration is reported.

Table 12d
Summary of Chemical Analysis Results, SNL/NM TA-5 Groundwater Monitoring Project, TA5-MW2, December 1995 through September 1996

Parameter	Analysis Method	TA5-MW2 12/18/95[a]	TA5-MW2 3/19/96[a]	TA5-MW2 6/27/96[a]	TA5-MW2 9/10/96[a]
Wet Chemistry					
Alkalinity, total as $CaCO_3$	310.1/310.2	230 mg/L	NA[b]	NA	NA
Chlorides	310.1/310.2	61.7 mg/L	NA	NA	NA
Fluoride (4.0)[c]	310.1/310.2	1.10 mg/L	NA	NA	NA
Nitrate plus Nitrite (as N) (10)	353.1	2.06 mg/L B[d]	2.2 mg/L[e]	1.6 mg/L[e]	NA mg/L[f]
pH	—	6.98 SU[g]	7.24 SU	NA	7.32 SU
Sulfate as SO_4	310.1/310.2	54.1 mg/L	NA	NA	NA
Total organic carbon	415.1	2.99 mg/L	NA	NA	NA
Metals, total (in mg/L)					
Aluminum	6010	0.118	NA	NA	NA
Antimony (0.006)	6010	0.0019 J[h]; B	NA	NA	NA
Arsenic (0.05)	6020	ND (0.01)[i]	NA	NA	NA
Barium (2)	6010	0.078	NA	NA	NA
Beryllium (0.004)	6010	0.00005 J; B	NA	NA	NA
Cadmium (0.005)	6010	ND (0.005)	NA	NA	NA
Calcium	6010	64	NA	NA	NA
Chromium (0.1)	6020	0.0019 J	NA	NA	NA
Cobalt	6010	0.001 J	NA	NA	NA
Copper	6010	0.0031 J	NA	NA	NA
Iron	6010	0.135	NA	NA	NA
Lead (0.015)[j]	6020	0.0032 B	NA	NA	NA
Magnesium	6010	21.9	NA	NA	NA
Manganese	6010	0.011	NA	NA	NA
Mercury (0.002)	7470	ND (0.0002)	NA	NA	NA
Nickel (0.1)	6010	ND (0.01)	NA	NA	NA
Potassium	6010	3.99	NA	NA	NA
Selenium (0.05)	6020	0.007	NA	NA	NA
Silver	6010	ND (0.01)	NA	NA	NA
Sodium	6010	73.4	NA	NA	NA
Thallium (0.002)	6020	0.003 J	NA	NA	NA
Vanadium	6010	0.005 J	NA	NA	NA
Zinc	6010	0.006 J	NA	NA	NA

Refer to footnotes at end of table.

Table 12d *(Concluded)*
Summary of Chemical Analysis Results, SNL/NM TA-5 Groundwater Monitoring Project, TA5-MW2, December 1995 through September 1996

Parameter	Analysis Method	TA5-MW2 12/18/95[a]	TA5-MW2 3/19/96[a]	TA5-MW2 6/27/96[a]	TA5-MW2 9/10/96[a]
Organic Compounds (mg/L)[k]					
1,1-Dichloroethane	8010[f]; 8240[e]	ND (0.001)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Chloroform	8010[f]; 8240[e]	ND (0.001)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Chlorobenzene	8020[f]; 8240[e]	ND (0.004)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Toluene	8020[f]; 8240[e]	ND (0.001)	ND (0.0005)	ND (0.0005)	ND (0.0005)
cis-1,2-Dichloroethene (0.07)[f]	8010	ND (0.001 mg/L)	ND (0.001 mg/L)	ND (0.001 mg/L)	ND (0.001 mg/L)
total-1,2-Dichloroethene (0.005)[f]	8010	ND (0.001 mg/L)	ND (0.001 mg/L)	ND (0.001 mg/L)	ND (0.001 mg/L)
Trichloroethene (0.005)[f]	8010	ND (0.001 mg/L)	ND (0.005 mg/L)	0.0033 mg/L	ND (0.005 mg/L)
Bis(2-Ethylhexyl)phthalate	8270	0.0614	ND	ND	ND
Di-n-butyl phthalate	8270	ND (0.001)	ND	ND	ND

[a]Date of sample collection.
[b]NA = Not analyzed or not applicable; total metals and SVOCs only collected and analyzed annually; organic compounds and nitrate analyzed quarterly.
[c]Values in parentheses are the maximum contaminant levels (MCLs, in mg/L) established by the U.S. Environmental Protection Agency (EPA) Primary Drinking Water Regulations (PDWR) in 40 CFR 141.11(b), subsequent amendments, or the New Mexico Environmental Improvement Board in the New Mexico Register, Title 20, Chapter 7, Part 1.
[d]B = Compound also detected in a laboratory or field blank sample.
[e]SNL/NM onsite laboratory analytical results.
[f]Offsite laboratory analytical results.
[g]SU = standard pH units; pH measured in field; reported value measured prior to sampling.
[h]J = Estimated concentration value less than the quantitation limit.
[i]ND = Not detected above the associated quantitation limit shown in parentheses.
[j]No MCL is established for lead in drinking water. The action level is 0.015 mg/L, and that value is treated as an MCL for this report.
[k]Where onsite and offsite data are available for the same well, the highest concentration is reported.

Table 12e
Summary of Chemical Analysis Results, SNL/NM TA-5 Groundwater Monitoring Project, AVN-1, December 1995 through September 1996

Parameter	Analysis Method	AVN-1 12/13/95[a]	AVN-1 3/15/96[a]	AVN-1 6/25/96[a]	AVN-1 9/9/96[a]
Wet Chemistry					
Alkalinity, total as $CaCO_3$	310.1/310.2	148 mg/L	NA[b]	NA	NA
Chlorides	310.1/310.2	9.03 mg/L	NA	NA	NA
Fluoride (4.0)[c]	310.1/310.2	1.27 mg/L	NA	NA	NA
Nitrate plus Nitrite (as N) (10)	353.1	7.76 mg/L B[d]	12 mg/L[e]	NA	7.6 mg/L[e]
pH	—	7.44 SU[g]	7.43 SU	NA	7.50 SU
Sulfate as SO_4	310.1/310.2	30.9 mg/L	NA	NA	NA
Total organic carbon	415.1	2.23 mg/L	NA	NA	NA
Metals, total (in mg/L)					
Aluminum	6010	0.029 J[h]	NA	NA	NA
Antimony (0.006)	6010	0.00223 J; B	NA	NA	NA
Arsenic (0.05)	6020	0.00313 J	NA	NA	NA
Barium (2)	6010	0.076	NA	NA	NA
Beryllium (0.004)	6010	0.000054 J; B	NA	NA	NA
Cadmium (0.005)	6010	0.00021 J	NA	NA	NA
Calcium	6010	43.1	NA	NA	NA
Chromium (0.1)	6020	0.0027 J	NA	NA	NA
Cobalt	6010	ND (0.01)[i]	NA	NA	NA
Copper	6010	ND (0.01)	NA	NA	NA
Iron	6010	0.028 J	NA	NA	NA
Lead (0.015)[j]	6020	0.0013 J	NA	NA	NA
Magnesium	6010	9.48	NA	NA	NA
Manganese	6010	0.0011 J	NA	NA	NA
Mercury (0.002)	7470	ND (0.0002)	NA	NA	NA
Nickel (0.1)	6010	ND (0.01)	NA	NA	NA
Potassium	6010	3.19	NA	NA	NA
Selenium (0.05)	6020	ND (0.005)	NA	NA	NA
Silver	6010	ND (0.01)	NA	NA	NA
Sodium	6010	37.9	NA	NA	NA
Thallium (0.002)	6020	ND (0.01)	NA	NA	NA
Vanadium	6010	0.007 J	NA	NA	NA
Zinc	6010	0.0061 J	NA	NA	NA

Refer to footnotes at end of table.

Table 12e *(Concluded)*
Summary of Chemical Analysis Results, SNL/NM TA-5 Groundwater Monitoring Project, AVN-1, December 1995 through September 1996

Parameter	Analysis Method	AVN-1 12/13/95[a]	AVN-1 3/15/96[a]	AVN-1 6/25/96[a]	AVN-1 9/9/96[a]
Organic Compounds (mg/L)[k]					
1,1-Dichloroethane	8010[f]; 8240[e]	ND (0.001)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Chloroform	8010[f]; 8240[e]	ND (0.001)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Chlorobenzene	8020[f]; 8240[e]	ND (0.004)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Toluene	8020[f]; 8240[e]	ND (0.001)	ND (0.0005)	0.00055 mg/L J	ND (0.0005)
cis-1,2-Dochloroethene (0.07)[f]	8010	ND (0.001 mg/L)	ND (0.001 mg/L)	ND (0.001 mg/L)	ND (0.001 mg/L)
total-1,2-Dichloroethene (0.005)[f]	8010	ND (0.001 mg/L)	ND (0.001 mg/L)	ND (0.001 mg/L)	ND (0.001 mg/L)
Trichloroethene (0.005)[f]	8010	ND (0.001 mg/L)	ND (0.001 mg/L)	ND (0.001 mg/L)	ND (0.001 mg/L)
Bis(2-Ethylhexyl)phthalate	8270	9.5 J	NA	NA	NA
Di-n-butyl phthalate	8270	ND (0.001)	NA	NA	NA

[a]Date of sample collection.
[b]NA = Not analyzed or not applicable; total metals and SVOCs only collected and analyzed annually; organic compounds and nitrate analyzed quarterly.
[c]Values in parentheses are the maximum contaminant levels (MCLs, in mg/L) established by the U.S. Environmental Protection Agency (EPA) Primary Drinking Water Regulations (PDWR) in 40 CFR 141.11(b), subsequent amendments, or the New Mexico Environmental Improvement Board in the New Mexico Register, Title 20, Chapter 7, Part 1.
[d]B = Compound also detected in a laboratory or field blank sample.
[e]SNL/NM onsite laboratory analytical results.
[f]Offsite laboratory analytical results.
[g]SU = standard pH units; pH measured in field; reported value measured prior to sampling.
[h]J = Estimated concentration value less than the quantitation limit.
[i]ND = Not detected above the associated quantitation limit shown in parentheses.
[j]No MCL is established for lead in drinking water. The action level is 0.015 mg/L, and that value is treated as an MCL for this report.
[k]Where onsite and offsite data are available for the same well, the highest concentration is reported.

Table 12f
Summary of Chemical Analysis Results, SNL/NM TA-5 Groundwater Monitoring Project, AVN-2, December 1995 through September 1996

Parameter	Analysis Method	AVN-2 12/14/95[a]	AVN-2 3/15/96[a]	AVN-2 6/25/96[a]	AVN-2 9/9/96[a]
Wet Chemistry					
Alkalinity, total as $CaCO_3$	310.1/310.2	157 mg/L	NA[b]	NA	NA
Chlorides	310.1/310.2	9.56 mg/L	NA	NA	NA
Fluoride (4.0)[c]	310.1/310.2	1.37 mg/L	NA	NA	NA
Nitrate plus Nitrite (as N) (10)	353.1	8.70 mg/L B[d]	9.6 mg/L[c]	NA	11 mg/L[e]
pH	—	7.42 SU[g]	7.65 SU	NA	7.65 SU
Sulfate as SO_4	310.1/310.2	27.6 mg/L	NA	NA	NA
Total organic carbon	415.1	1.45 mg/L	NA	NA	NA
Metals, total (in mg/L)					
Aluminum	6010	0.077	NA	NA	NA
Antimony (0.006)	6010	0.0014 J[h]; B	NA	NA	NA
Arsenic (0.05)	6020	0.0048 J	NA	NA	NA
Barium (2)	6010	0.0934	NA	NA	NA
Beryllium (0.004)	6010	0.000054 J; B	NA	NA	NA
Cadmium (0.005)	6010	0.00035 J	NA	NA	NA
Calcium	6010	44.1	NA	NA	NA
Chromium (0.1)	6020	0.0041 J	NA	NA	NA
Cobalt	6010	0.0008 J	NA	NA	NA
Copper	6010	ND (0.01)[i]	NA	NA	NA
Iron	6010	0.0693	NA	NA	NA
Lead (0.015)[j]	6020	ND (0.003)	NA	NA	NA
Magnesium	6010	12.1	NA	NA	NA
Manganese	6010	0.0046 J	NA	NA	NA
Mercury (0.002)	7470	ND (0.0002)	NA	NA	NA
Nickel (0.1)	6010	0.0012 J	NA	NA	NA
Potassium	6010	2.65	NA	NA	NA
Selenium (0.05)	6020	ND (0.005)	NA	NA	NA
Silver	6010	ND (0.01)	NA	NA	NA
Sodium	6010	40.7	NA	NA	NA
Thallium (0.002)	6020	ND (0.01)	NA	NA	NA
Vanadium	6010	0.008 J	NA	NA	NA
Zinc	6010	0.017 J	NA	NA	NA

Refer to footnotes at end of table.

Table 12f *(Concluded)*
Summary of Chemical Analysis Results, SNL/NM TA-5 Groundwater Monitoring Project, AVN-2, December 1995 through September 1996

Parameter	Analysis Method	AVN-2 12/14/95[a]	AVN-2 3/15/96[a]	AVN-2 6/25/96[a]	AVN-2 9/9/96[a]
Organic Compounds (mg/L)[k]					
1,1-Dichloroethane	8010[f]; 8240[e]	ND (0.001)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Chloroform	8010[f]; 8240[e]	ND (0.001)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Chlorobenzene	8020[f]; 8240[e]	ND (0.004)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Toluene	8020[f]; 8240[e]	ND (0.001)	ND (0.0005)	ND (0.0005)	ND (0.0005)
cis-1,2-Dochloroethene (0.07)[f]	8010	ND (0.001 mg/L)	ND (0.001 mg/L)	ND (0.001 mg/L)	ND (0.001 mg/L)
total-1,2-Dichloroethene (0.005)[f]	8010	ND (0.001 mg/L)	ND (0.001 mg/L)	ND (0.001 mg/L)	ND (0.001 mg/L)
Trichloroethene (0.005)[f]	8010	ND (0.001 mg/L)	ND (0.001 mg/L)	ND (0.001 mg/L)	ND (0.001 mg/L)
Bis(2-Ethylhexyl)phthalate	8270	ND (0.001 mg/L)	NA	NA	NA
Di-n-butyl phthalate	8270	ND (0.001 mg/L)	NA	NA	NA

[a]Date of sample collection.
[b]NA = Not analyzed or not applicable; total metals and SVOCs only collected and analyzed annually; organic compounds and nitrate analyzed quarterly.
[c]Values in parentheses are the maximum contaminant levels (MCLs, in mg/L) established by the U.S. Environmental Protection Agency (EPA) Primary Drinking Water Regulations (PDWR) in 40 CFR 141.11(b), subsequent amendments, or the New Mexico Environmental Improvement Board in the New Mexico Register, Title 20, Chapter 7, Part 1.
[d]B = Compound also detected in a laboratory or field blank sample.
[e]SNL/NM onsite laboratory analytical results.
[f]Offsite laboratory analytical results.
[g]SU = standard pH units; pH measured in field; reported value measured prior to sampling.
[h]J = Estimated concentration value less than the quantitation limit.
[i]ND = Not detected above the associated quantitation limit shown in parentheses.
[j]No MCL is established for lead in drinking water. The action level is 0.015 mg/L, and that value is treated as an MCL for this report.
[k]Where onsite and offsite data are available for the same well, the highest concentration is reported.

Sandia National Laboratories
Operated for the U.S. Department of Energy by
Sandia Corporation

Albuquerque, New Mexico 87185-1148

date: 10/15/98

to: John Gould, MS-0184, DOE KAO

from: Anh Lai, MS-1147 (6133)
Tim Goering, MS-1148 (6134)

subject: Submittal of Liquid Waste Disposal System Cross Sections for the LWDS Request for Supplemental Information

Attached are vertical cross-sections showing the distributions of contaminants in subsurface soils at the Liquid Waste Disposal System (LWDS). These figures are being submitted in response to General Comment No. 2 in the NMED's September 30, 1997 Request for Supplemental Information (RSI) regarding Sandia National Laboratories' OU 1307 RFI Report.

Cross Sections A-A' and B-B' extend beneath the LWDS surface impoundments (ER Site 4) as shown in Figure 1. Cross Section C-C' extends beneath the LWDS holding tanks (ER Site 52), and Cross Section D-D' extends beneath the LWDS drainfield (ER Site 5), as shown in Figure 2.

Contaminants shown in the cross sections were selected based on whether or not they exceeded the NMED-approved background values at ER Sites 4, 5, or 52. No cross sections were developed for constituents which did not exceed background values at a specific site.

Contaminant isopleths are shown on each cross-section. The isopleths were estimated by the geostatistical method kriging using the contouring program Surfer™. The actual contaminant distributions in the subsurface may vary considerably from those predicted by computer. However, these figures should provide a good indication of the relative distribution of contaminants in the subsurface soils beneath the LWDS.

The locations of soil samples are marked on each cross section with a "-", along with the measured contaminant concentrations in each sample. In addition, the NMED-approved background values for each contaminant are shown at the bottom of each figure.

Only one contaminant, copper, was plotted in Cross Section D-D'. No other contaminants were plotted for this cross section, because they had already been plotted in the "Results of the Liquid Waste Disposal System RCRA Facility Investigation, Sandia National Laboratories, Albuquerque, New Mexico" (SNL, 1995). These cross sections are presented in Figures 4-7 through 4-11 in the LWDS RFI report.

If you have any questions, please call Tim Goering at 284-2563.

Thank you.

Attachments

Copy to: (w/o atts)
Mark Jackson, MS-0184, DOE/KAO
Dave Bourne, MS-1396, DOE/AL
Fran Nimick, MS-1147 (6133)
Dick Fate, MS-1132 (6132)
Anh Lai, MS-1147 (6133)
Environmental Restoration Records Center, MS-1147, ER/RSI/COR

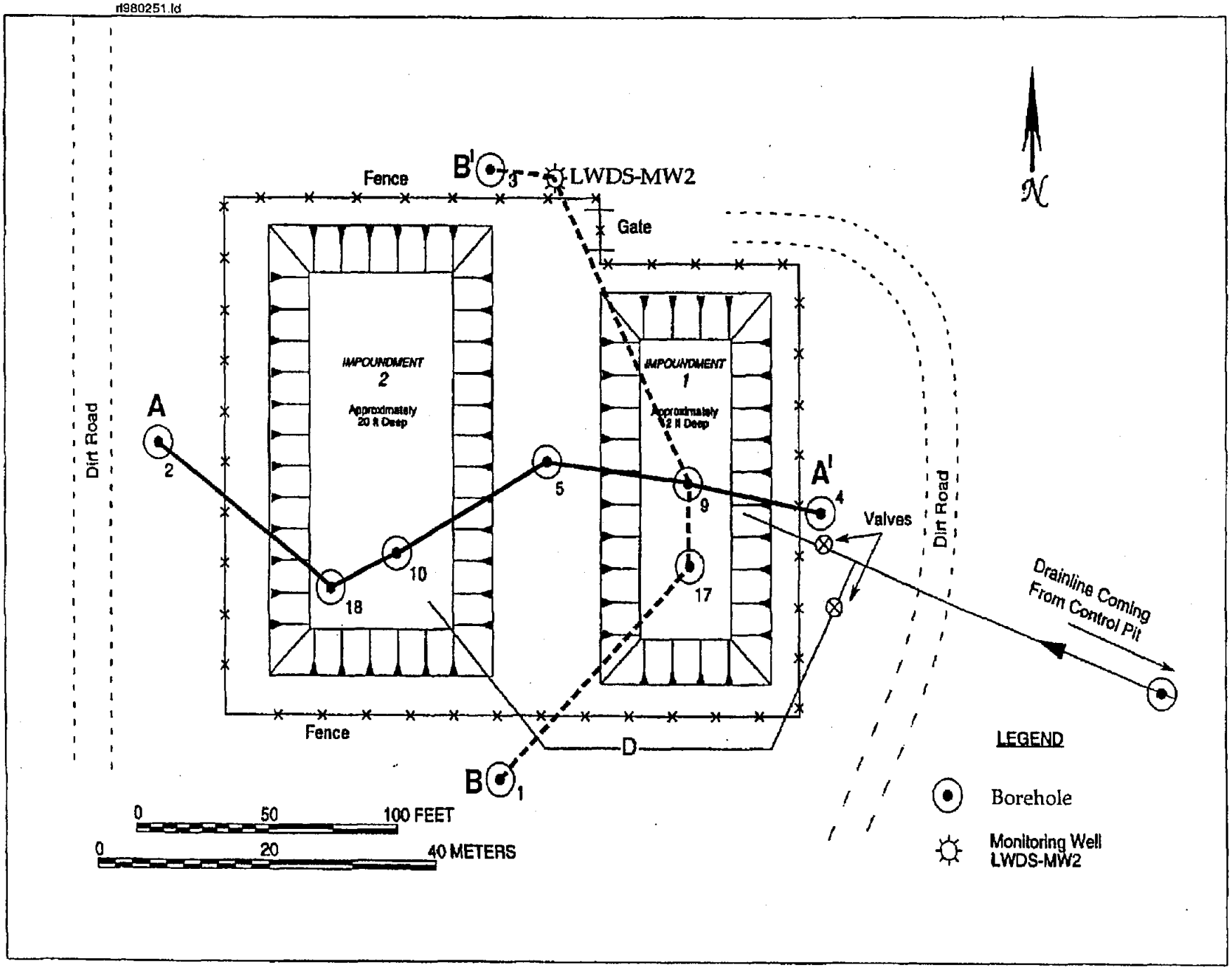
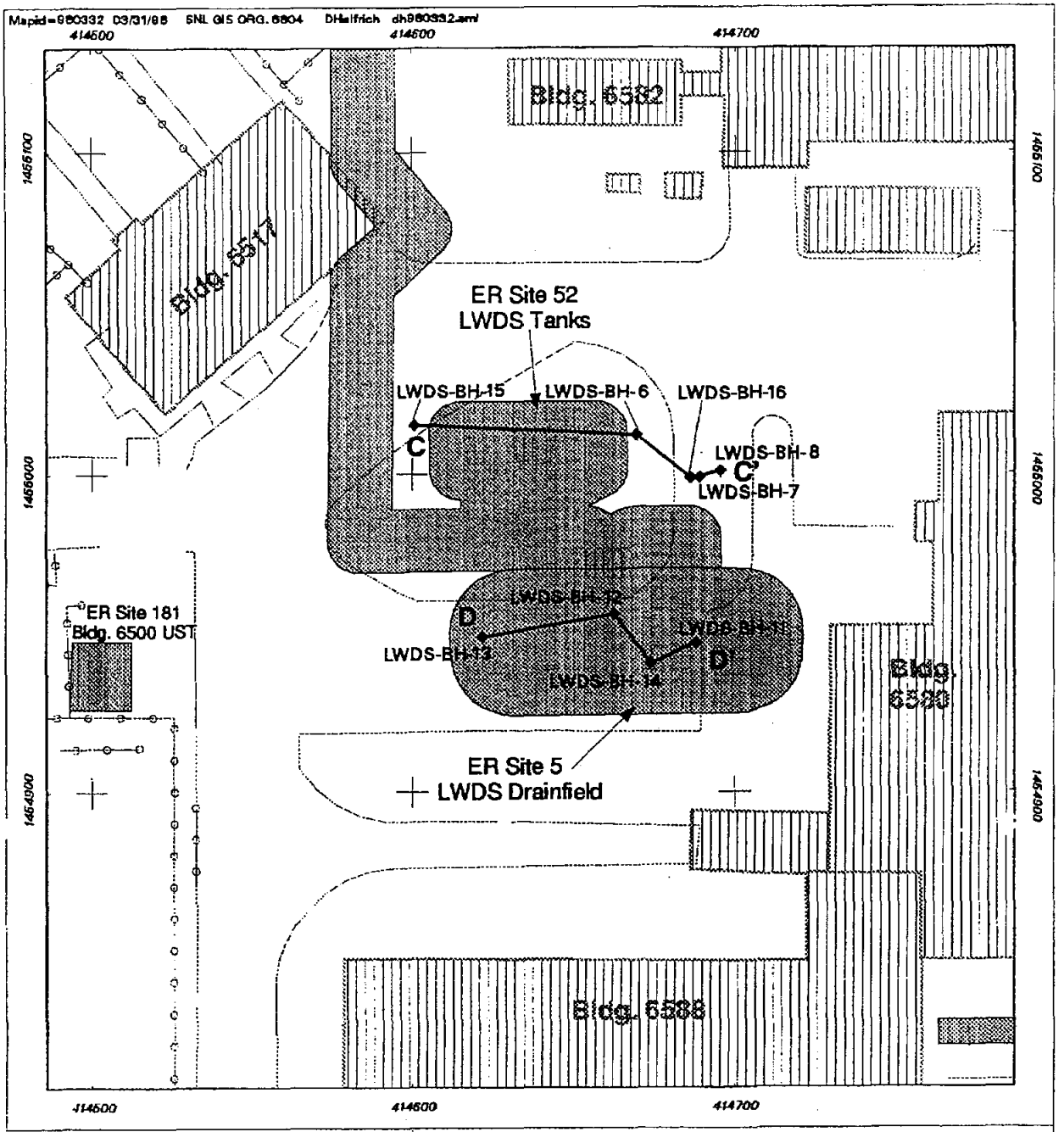


Figure 1. Locations of Cross Sections A-A' and B-B' at the LWDS surface impoundment



Legend

- Borehole
- Road
- Fence
- Cross-Section Line
- Building
- ER Site

Figure 2. Locations of Cross-Sections C-C' and D-D' at the LWDS Drainfield, Technical Area V

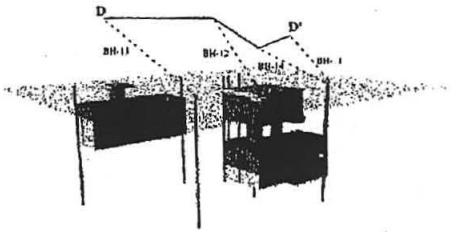
0 25 50
Scale in Feet

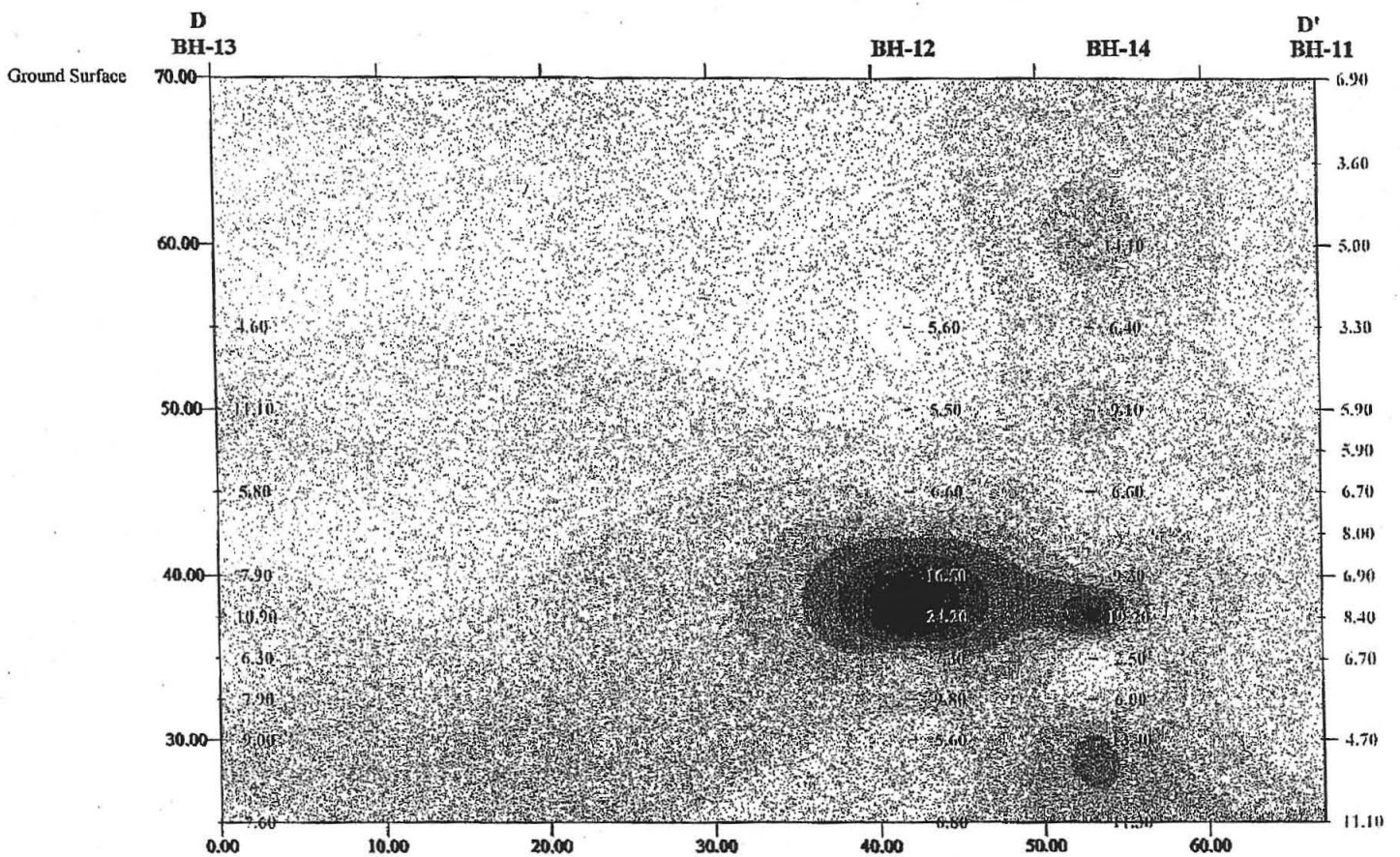
0 8 12
Scale in Meters

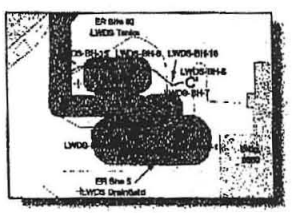
Sandia National Laboratories, New Mexico
Environmental Geographic Information System

LWDS Drainfield
Site 5
Cross Section D-D'

Copper Concentrations







Overhead View of Site

(actual sample results depicted in gray)

NMED Approved Background Level
Copper - 18.2 mg/kg
(designated by dashed line)

Concentration Levels (Mg/Kg)

0 20 40
Scale in Feet

copper.srf d-d' PTGD-08/12/98

SUPPLEMENTAL INFORMATION

Department of Energy
National Nuclear Security Administration
Albuquerque Operations Office
Office of Kirtland Site Operations
P.O. Box 5400
Albuquerque, New Mexico 87185-5400

DEC 10 2002

CERTIFIED MAIL – RETURN RECEIPT REQUESTED

Mr. John Kieling, Manager
Permits Management Program
Hazardous Waste Bureau
New Mexico Environment Department
2905 Rodeo Park Road
Building E
Santa Fe, NM 87505

Dear Mr. Kieling:

Enclosed is one of two NMED copies of the Supplemental Information Summary to Further the Decision Process in Evaluating the Acceptability of Solid Waste Management Unit 5, the Liquid Waste Disposal System (LWDS) drainfield, for No Further Action Status.

The purpose of this supplemental response is to provide additional information, as requested in the September 1997 Request for Supplemental Information (RSI), without repeating the specific information that has already been submitted to NMED. It includes a recent risk assessment for SWMU 5, and characterization data regarding the vertical extent of contamination beneath SWMU 5.

If you have any questions, please contact John Gould at (505) 845-6089.

Sincerely,

Michael J. Zamorski
Director

Enclosure

DEC 10 2002

cc w/enclosure:
M. Gardipe, AL, ERD
J. Parker, NMED-OB
R. Kennett, NMED-OB
W. Moats, NMED-HWB (via Certified Mail)
L. King, EPA, Region 6 (2 copies via Certified Mail)

cc: Records Center
Paul
MJ
Dwight

cc w/o enclosure:
J. Estrada, OKSO/AIP
F. Nimick, SNL, MS 1087
B. Langkoph, SNL, MS 1087
J. Bearzi, NMED-HWB

DEC 12 2002

Sandia National Laboratories
Albuquerque, New Mexico
October 2002

Environmental Restoration Project
Supplemental Information Summary to Further the Decision Process in Evaluating the Acceptability of Solid Waste Management Unit 5 for No Further Action Status

SUPPLEMENTAL INFORMATION SUMMARY TO FURTHER THE DECISION PROCESS IN EVALUATING THE ACCEPTABILITY OF SOLID WASTE MANAGEMENT UNIT 5 FOR NO FURTHER ACTION STATUS

This supplemental information summary includes the risk assessment for the Liquid Waste Disposal System (LWDS) drainfield (Solid Waste Management Unit [SWMU] 5) (Figure 1) and characterization data regarding the vertical extent of contamination beneath SWMU 5. This information is being submitted in response to the September 1997 Request for Supplemental Information (RSI) regarding the LWDS Resource Conservation and Recovery Act (RCRA) Facility Investigation (RFI).

The purpose of this supplemental response is to provide additional information, as requested, without repeating the specific information that has already been submitted to the New Mexico Environment Department (NMED). Table 1 summarizes all the reports and correspondence to date regarding SWMU 5. The NMED Oversight Bureau verbally supported this format.

New information submitted with this supplemental response includes the following:

- Sample collection logs, analysis request/chain of custody forms for the 1994 data are presented in Attachment A.

- Analytical data tables (in the 12th round No Further Action [NFA] format) for soil samples collected in 1994 from LWDS-05-BH11 through LWDS-05-BH14 are included as Attachment B. Analytical data tables associated with soil samples collected in 2001 from the TAV-MW6 borehole are included in Attachment B for convenience; these are also included in the Summary of Monitoring Well Drilling Activities Technical Area (TA)-V Groundwater Investigation (SNL/NM October 2001).

- Attachment C contains the data validation reports for the soil samples collected during drilling activities for TAV-MW6. The laboratory results were verified/validated according to "Data Validation Procedure for Chemical and Radiochemical Data" (SNL/NM January 2000). The data collected in 2001 were acceptable for use, with the exception of vinyl acetate and tritium (for an equipment blank) that were rejected in the validation process. The 1994 data was validated by "Procedure for Validation of Chemical Measurement Data" (SNL/NM October 1991).

- Cross sections have been prepared for boreholes drilled in 1994 (LWDS-05-BH11 through LWDS-05-BH14) and the borehole drilled in 2001 for the monitoring well TAV-MW6. These cross sections show the concentrations of selected chemical parameters and are included as Attachment D. The selection of chemical parameters that were prepared as cross sections was based on several different criteria. Foremost, the NMED has requested cross sections for potential constituents of concern (COCs) that are detected in confirmatory soil sampling (Dinwiddie September 1997). In detail, parameter values that exceeded NMED-approved background values were prepared as cross sections and included antimony, arsenic, barium, beryllium, cadmium, cesium-137, chromium, cobalt, copper, lead, mercury, nickel, selenium, silver, thallium, thorium-232, tritium, uranium-235, vanadium, and zinc. Cross sections were also prepared for toluene, and trichloroethene, because there were concentrations above the method detection limits for these constituents. A cobalt-60 cross section was prepared because this radionuclide is a potential COC for SWMU 5 and there

was one sample with a result above the minimum detectable activity. Finally, there was a cross section prepared for uranium-238 because it is also considered a potential COC for the site, although there was not a detectable value above the approved background activity. All chemical parameters listed above are considered potential COCs for the purpose of illustration in the cross sections, and all are considered in the risk assessment (Attachment E) based on the criteria listed above.

- Attachment E provides a revised risk assessment for SWMU 5 that has been completed using data from all soil sampling events. This includes soil samples collected from the four boreholes drilled in 1994 (LWDS-05-BH11 through LWDS-05-BH14) as well as samples collected in 2001 from the borehole drilled for the monitoring well TAV-MW6.

Summary of Soil Sampling Results

Concentrations of several metal and radionuclide constituents in soil samples collected from SWMU 5 exceed the corresponding background concentrations and activities. The comparison of the metal concentrations to the background values reveals that most of the concentrations are only slightly above the background levels. The distribution of metals in the soil samples does not appear to be consistent throughout the soil column, although there is a zone directly beneath the drainfield that appears to contain the majority of the highest concentration levels of metals. This zone is approximately 38 feet below ground surface and can be seen in the laboratory results for LWDS-05-BH12.

The radionuclide, uranium-235, was detected above the background activity. Additional sample results showed nondetections for uranium-235, but the minimum detectable activity for these samples exceeded the background activity and therefore are considered detections at the given minimum detectable activity. Other detections of radionuclides that exceeded background activities include cesium-137, thorium-232, and tritium. The distribution of these radionuclides in the soil samples does not appear to be consistent throughout the soil column, although a zone at approximately 30 to 50 feet below ground surface does contain the highest levels of thorium-232, cobalt-60, and cesium-137. Cobalt-60 does not have a background activity value, but was considered a COC due to historical activities that have taken place at TA-V.

Volatile organic compounds (VOCs) and semivolatile organic compounds do not have background concentrations for comparison; all values reported above the method detection limits were evaluated. The VOCs detected were associated with common laboratory contaminants (acetone, di-n-butyl-phthalate, methylene chloride, and toluene) or were reported at such low levels (2-butanone, 4-methyl-2-pentanone, and trichloroethene) that the concentrations are not considered to be significant.

The source of TCE in groundwater in the TA-V area is assumed to be from contaminated water released from the LWDS drainfield during the 1960s. The monitoring wells TAV-MW6, TAV-MW7, TAV-MW8, and TAV-MW9 were installed in March and April 2001 in order to further investigate vadose-zone and groundwater contamination in the TA-V area. The monitoring wells TAV-MW6 and TAV-MW7 are located within the SWMU 5 boundary (soil samples were collected in the borehole for TAV-MW6). Monitoring wells TAV-MW8 and TAV-MW9 were located downgradient of the of SWMU 5.

Based on the evaluation of the results of the soil and soil-vapor samples collected during the drilling activities, the relatively low levels of all potential contaminants (metals, VOCs, tritium, and

radionuclides) indicate no significant residual soil contamination exists in the vadose-zone. The suspected contamination source (waste water from the LWDS drainfield) was not readily identified in the vadose-zone by soil moisture analyses. The results do show that there is not a front of contaminated water beneath the LWDS drainfield that is moving through the vadose-zone toward the groundwater. The presence of such a front would be of concern as it may cause a future increase in the levels of contamination found in the groundwater. It is now suspected that all release water from the LWDS has moved through the vadose-zone and there is no longer an active source of contamination adding to the levels currently seen in groundwater.

Proposal for an NFA Decision for SWMU 5

Based upon both the site characterization data (laboratory analyses of soil samples) collected from the boreholes drilled in 1994 and 2001 and the human health risk assessment analysis, an NFA decision is being recommended for SWMU 5. The following evidence is presented to support the NFA decision:

- The subsurface soil has been sampled to the water table (approximately 490 feet below ground surface) for potential COCs (e.g., VOCs, metals, radionuclides) and the results define the vertical extent of soil contamination.

- No COCs are present in soil at levels considered hazardous to human health for an industrial land use scenario.

Based upon the evidence provided above, SWMU 5 is proposed for an NFA decision according to Criterion 5 (NMED March 1998), which states "the SWMU/AOC [area of concern] has been characterized or remediated in accordance with current applicable state or federal regulations and that available data indicate that contaminants pose an acceptable level of risk under current and projected future land use."

References

Dinwiddie, R.S. (New Mexico Environment Department), "Request for Supplemental Information: Liquid Waste Disposal System RFI Report, Sandia National Laboratories," September 30, 1997.

New Mexico Environment Department (NMED), March 1998. "RPMP Document Requirement Guide," New Mexico Environment Department, Hazardous and Radioactive Materials Bureau, RCRA Permits Management Program, Santa Fe, New Mexico.

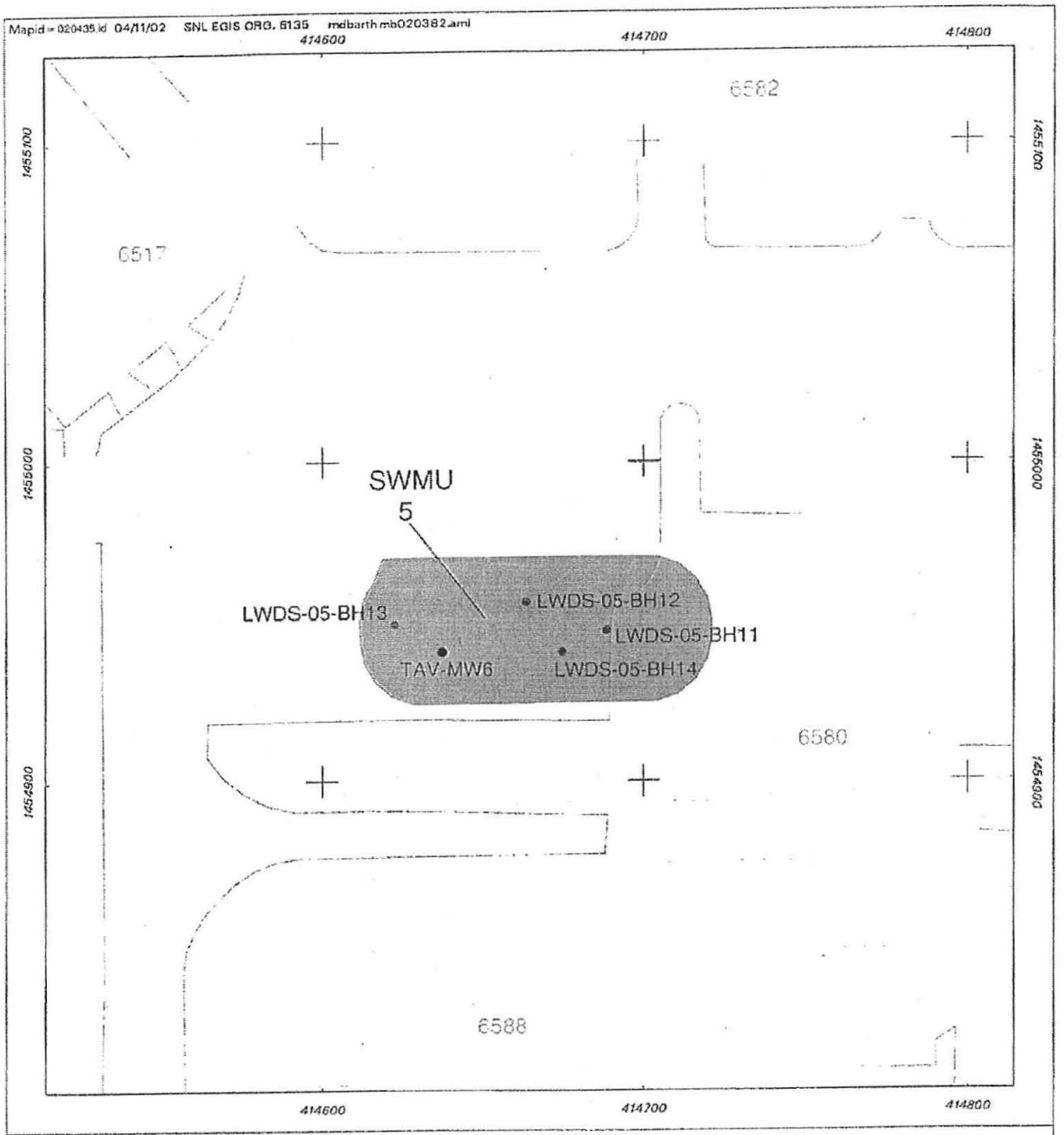
NMED, see New Mexico Environment Department.

Sandia National Laboratories/New Mexico (SNL/NM), October 1991. "Procedure for Validation of Chemical Measurement Data," Environmental Programs Department, 7720, Procedure QA-11-01, Rev. 0, Sandia National Laboratories/New Mexico, Albuquerque, New Mexico.

Sandia National Laboratories/New Mexico (SNL/NM), January 2000. "Data Validation Procedure for Chemical and Radiochemical Data (AOP 00-03)," Environmental Restoration Project, Sandia National Laboratories/New Mexico, Albuquerque, New Mexico.

Sandia National Laboratories/New Mexico (SNL/NM), October 2001. "Summary of Monitoring Well Drilling Activities TA-V Groundwater Investigation," Sandia National Laboratories/New Mexico, Albuquerque, New Mexico.

SNL/NM, see Sandia National Laboratories/New Mexico.



Legend

- Borehole
- Monitoring well
- Road
- Building/Structure
- SWMU

Figure 1
Location of SWMU 5, Boreholes, and Monitoring Well

0 25 50
Scale in Feet

0 8 12
Scale in Meters

Sandia National Laboratories, New Mexico
Environmental Geographic Information System

Table 1
Summary of Reports and Correspondence for LWDS Drainfield (SWMU 5)

Title of Report or Subject of Correspondence	Author(s)	Date	Information
LWDS RCRA Facility Investigation Work Plan	SNL/NM	March 1993	• Site history • Nature and extent of contamination • Soil data quality objectives • Soil data collection strategy and procedures
LWDS RCRA Facility Report	SNL/NM	September 1995	• Site history • Contamination sources • Field investigation • Nature and extent of soil contamination • Risk assessment for soil contaminants • Conclusions • Proposal for NFA
RSI	NMED	September 30, 1997	• Deficiencies as defined by NMED • NFA denial
RSI Responses	SNL/NM	January 15, 1998	Responses to requests: • Borehole logs • Direction of groundwater flow • Summary of previous TA-V monitoring wells groundwater sampling results • Analytical data tables of soil samples for VOCs, SVOCs, TAL metals, and gamma spectroscopy (including QA/QC samples, MDLs and NMED-approved background levels)
Memorandum: Submittal of LWDS Cross Section for the LWDS Request for Supplemental Information	SNL/NM	October 14, 1998	• Vertical cross sections showing distribution of contaminants in soil
Summary Report of Groundwater Investigations at TA-V, Operable Units 1306 and 1307	SNL/NM	March 1999	• Site history • Summary of sampling history • Conceptual model of contamination • Recommendation for additional monitoring wells
Annual Groundwater Protection Program Calendar Year (year) Annual Groundwater Monitoring Report	SNL/NM	1993 – 2000	• Hydrogeologic setting • Monitoring well network information and sampling protocols • Groundwater quality monitoring results • Water level measurements

Refer to footnotes at end of table.

Table 1 (Concluded)
Summary of Reports and Correspondence for LWDS Drainfield (SWMU 5)

Title of Report or Subject of Correspondence	Author(s)	Date	Information
Summary of Monitoring Well Drilling Activities TA-V Groundwater Investigation	SNL/NM	October 2001	• Borehole logs with lithologic descriptions and well construction diagrams for monitoring wells TAV-MW6, TAV-MW7, TAV-MW8, and TAV-MW9 • Soil sample collection, laboratory analytical methods, and description of location of individual samples collected including depth for monitoring wells TAV-MW6 and TAV-MW8 • Analysis request/chain of custody forms • Analytical data tables of soil samples for VOCs, TAL metals, tritium, and gamma spectroscopy (including QA/QC samples, MDLs, and NMED-approved background levels) • Updated conceptual model of contamination
TA-V Groundwater Investigation Fiscal Years 1999 and 2000	SNL/NM	November 2001	• Groundwater collection and laboratory analytical methods • Analytical data tables of groundwater samples for VOCs, SVOCs, TAL metals, nitrate, anions, cations, tritium, gross alpha/beta, gamma spectroscopy, and alkalinity (including QA/QC samples, MDLs, and New Mexico groundwater standards)

LWDS = Liquid Waste Disposal System.
MDL = Method detection limit.
NFA = No Further Action.
NMED = New Mexico Environment Department.
QA/QC = Quality assurance/quality control.
RCRA = Resource Conservation and Recovery Act.
RSI = Request for Supplemental Information.
SNL/NM = Sandia National Laboratories/New Mexico.
SVOC = Semivolatile organic compound.
SWMU = Solid Waste Management Unit.
TA = Technical Area.
TAL = Target analyte list.
VOC = Volatile organic compound.

Attachment A
Sample Collection Logs and Analysis Request/
Chain of Custody Forms for 1994 Data

Sandia National Laboratories

ENVIRONMENTAL PROGRAMS SAMPLE COLLECTION LOG
MULTIPLE SAMPLES

DATE: 3-20-94

SHEET 1 OF 5

GENERAL INFORMATION

WEATHER: Overcast, windy

SAMPLING PROCEDURE REFERENCE: LWDS RFI Work plan

GENERAL REMARKS:

SAMPLING INFORMATION

ON-SITE CONTACT: Lon Dawson | ORG. 7582 | PHONE 848-0458

AREA: TA-5 | LOCATION: LWDS TA-5 BH-11

SAMPLE DESCRIPTION

MATRIX: ☐ GAS ☐ LIQUID ☐ SLUDGE ☐ SOLID ☐ WATER ☐ OIL ☒ SOIL ☐ HAZ WASTE ☐ OTHER

COLLECTED FROM: ☐ DRUM ☐ TANK ☐ SURFACE WATER ☒ SOIL ☐ WASTEWATER ☐ GROUNDWATER ☐ OTHER Core

SAMPLE I.D. NUMBER	FRACTION	LOCATION	TIME	SAMPLE TYPE GRAB	SAMPLE TYPE COMP	NUMBER OF CONTAINERS	SAMPLE VOLUME (ml)	CONTAINER TYPE G	CONTAINER TYPE P	PRESERVATIVES	DEPTH BELOW SURFACE (ft)	QC SAMPLE (y/n)	COMMENTS	ANALYSES: VOL	SVOL	TAL Metals				INT.
ER92001372	1	LWDS BH-11	0950	X		1	4oz	X		4°C	25	N		X						DJF EA
1372	2	↓	0950	X		1	16oz	X		↓	↓	↓ 3/20/94			X	X				DJF EA
1373	1		1000	X		1	4oz	X			30	Y	MS/MSD	X						DJF EA
↓	2		1000	X		1	16oz	X			30	Y	↓		X	X				DJF EA
1374	1	↓	1010	X		1	4oz	X			32.5	N		X						
↓	2			X		1	16oz	X							X	X				
1375	1	LWDS BH-11	1050	X		1	4oz	X			35	N		X						DJF EA
↓	2	↓	1050	X		1	16oz	X		↓	↓	↓			X	X				DJF EA

PROJECT

PROJECT NAME: LWDS Drilling Support | CASE NUMBER: 3264-312 | PROJECT CONTACT: Lon Dawson | ORG. 7582 | PHONE 848-0458

TURNAROUND: ☒ NORMAL ☐ RUSH ☐ OTHER | REGULATORY PROGRAM: RCRA

SPECIAL QC REQUIREMENTS:

SAMPLE TEAM MEMBERS

	NAME	SIGNATURE	INIT	COMPANY/ORGANIZATION
1.	Dale Flores	Dale J. Flores	DJF	IT-Corp
2.	Ernie Ross	Ernie Ross	EA	↓
3.				

SAMPLE TRACKING

SAMPLE DISTRIBUTION: [illegible] | TRANSPORTED BY: [illegible] A 44005 | SPECIAL HANDLING:

DATE SHIPPED (MM/DD/YY): 3/21/94 | DATA ENTERED (MM/DD/YY): 3/30/94 | BY: [illegible]

REQ. FOR ANALYSIS NO.: 508618 ~~504468~~ 3/20/94 | CHAIN OF CUSTODY NO.: 508618 ~~504468~~ 3/20/94 | PROJECT ID.: 30455.140.02

WHITE — TO SA[...] MANAGER, YELLOW — DATA ENTRY COPY, PINK — ORIGINATOR REV. 12/90 ▒ TO BE COMPLE[TED BY] SAMPLE PROCESSING

Sandia National Laboratories

ENVIRONMENTAL PROGRAMS SAMPLE COLLECTION LOG
MULTIPLE SAMPLES

DATE: 3-20-94

SHEET 2 OF 5

GENERAL INFORMATION

WEATHER: Over

SAMPLING PROCEDURE REFERENCE: LWDS RFI Work Plan

GENERAL REMARKS:

SAMPLING INFORMATION

ON-SITE CONTACT: LON DAWSON ORG. 7582 PHONE:

AREA: TA-5 LOCATION: LWDS TA-5 BH-11

SAMPLE DESCRIPTION

MATRIX: ☐ GAS ☐ LIQUID ☐ SLUDGE ☐ SOLID ☐ WATER ☐ OIL ☒ SOIL ☐ HAZ WASTE ☐ OTHER

COLLECTED FROM: ☐ DRUM ☐ TANK ☐ SURFACE WATER ☒ SOIL ☐ WASTEWATER ☐ GROUNDWATER ☐ OTHER: CORE

SAMPLE I.D. NUMBER	FRACTION	LOCATION	TIME	SAMPLE TYPE GRAB	SAMPLE TYPE COMP	NUMBER OF CONTAINERS	SAMPLE VOLUME (ml)	CONTAINER TYPE G	CONTAINER TYPE P	PRESERVATIVES	DEPTH BELOW SURFACE (ft)	QC SAMPLE (y/n)	COMMENTS	VOL	SVOC	TAL Metals				INT.
ER4200 1376	1	LWDS BH-11	1105	X		1	4oz	X		4°C	40	N		X						DJF SR
↓	2	↓	1105	X		1	16oz	↓		↓	↓	↓			X	X				DJF SR
1377	1	↓	1113	X		1	4oz	↓		↓	42.5	↓		X						DJF SR
↓	2	↓	1113	X		1	16oz	↓		↓	↓	↓			X	X				DJF SR
1378	1	↓	~~1143~~ 1115	X		1	4oz	↓		↓	45	↓		X						DJF SR
↓	2	↓	1115	X		1	16oz	↓		↓	↓	↓			X	X				DJF SR
1379	1	↓	1143	X		1	4oz	↓		↓	47.5	↓		X						DJF SR
↓	2	↓	1143	X		1	16oz	↓		↓	↓	↓			X	X				DJF SR

PROJECT

PROJECT NAME: LWDS Drilling Support CASE NUMBER: 3264.312 PROJECT CONTACT: LON DAWSON ORG. 7582 PHONE: 848-0458

TURNAROUND: ☒ NORMAL ☐ RUSH ☐ OTHER REGULATORY PROGRAM: RCRA

SPECIAL QC REQUIREMENTS:

SAMPLE TEAM MEMBERS

	NAME	SIGNATURE	INIT	COMPANY/ORGANIZATION
1.	Dale Flores	Dale J. Flores	DJF	77-CORP
2.	Ernie Ross	Ernie Ross	SR	↓
3.				

SAMPLE TRACKING

SAMPLE DISTRIBUTION: Onsite/Thermo TRANSPORTED BY: SNL Ship A44005 SPECIAL HANDLING:

DATE SHIPPED (MM/DD/YY): 3/25/94 DATA ENTERED (MM/DD/YY): 3/30/94 BY:

REQ. FOR ANALYSIS NO.: ~~50584~~ 50415 CHAIN OF CUSTODY NO.: ~~50617~~ 50413 PROJECT ID.: 3014-55 14002

WHITE — TO SAMPLE MANAGER, YELLOW — DATA ENTRY COPY, PINK — ORIGINATOR REV. 12/90

▨ TO BE COMPLETED BY SAMPLE PROCESSING

Sandia National Laboratories

ENVIRONMENTAL PROGRAMS SAMPLE COLLECTION LOG

MULTIPLE SAMPLES

DATE: 3-20-94

SHEET 3 OF 5

GENERAL INFORMATION

WEATHER: Overcast, Windy

SAMPLING PROCEDURE REFERENCE: LUDS RFI WORK Plan

GENERAL REMARKS:

SAMPLING INFORMATION

ON-SITE CONTACT: LON DAWSON | ORG. 7582 | PHONE 848-0458

AREA: TA-5 | LOCATION: TA-5- BH-11

SAMPLE DESCRIPTION

MATRIX: ☐ GAS ☐ LIQUID ☐ SLUDGE ☐ SOLID ☐ WATER ☐ OIL ☒ SOIL ☐ HAZ WASTE ☐ OTHER

COLLECTED FROM: ☐ DRUM ☐ TANK ☐ SURFACE WATER ☒ SOIL ☐ WASTEWATER ☐ GROUNDWATER ☐ OTHER Core

SAMPLE I.D. NUMBER	FRACTION	LOCATION	TIME	SAMPLE TYPE GRAB	COMP	NUMBER OF CONTAINERS	SAMPLE VOLUME (ml)	CONTAINER TYPE G	P	PRESERVATIVES	DEPTH BELOW SURFACE (ft)	QC SAMPLE (y/n)	COMMENTS	VOC	SVOC	Total Metals				INT.
ER4200 1380	1	LUDS BH-11	1145	X		1	4oz	X		4°C	50	N		X						DJF SR
↓	2	↓	↓	X		1	16oz	X		↓	↓	↓			X	X				DJF SR
1381	1		1350	X		1	4oz	X			55			X						DJF SR
↓	2		1350	X		X	16oz	X			↓				X	X				DJF SR
1382	1		1410	X		X	4oz	X			60			X						DJF SR
↓	2		1410	X		X	16oz	X			↓				X	X				DJF SR
1383	1		1439	X		X	4oz	X			65			X						DJF SR
↓	2	↓	1439	X		X	16oz	X		↓	↓	↓			X	X				DJF SR

PROJECT

PROJECT NAME: LUDS Drilling Support | CASE NUMBER: 3.Ddd4.312 | PROJECT CONTACT: LON DAWSON | ORG. 7582 | PHONE 848-0458

TURNAROUND: ☒ NORMAL ☐ RUSH ☐ OTHER

REGULATORY PROGRAM: RCRA

SPECIAL QC REQUIREMENTS:

SAMPLE TEAM MEMBERS

	NAME	SIGNATURE	INIT	COMPANY/ORGANIZATION
1.	Dale Flores	Dale D. Flores	DDF	IT-Corp
2.	Ernie Ross	Ernie Ross	ER	↓
3.				

SAMPLE TRACKING

SAMPLE DISTRIBUTION: ENSECO Irvine

TRANSPORTED BY: SNL/SMO

SPECIAL HANDLING:

DATE SHIPPED (MM/DD/YY): 3/25/94

DATA ENTERED (MM/DD/YY): A44005 3/25/94

BY:

REQ. FOR ANALYSIS NO.: 503617 503618

CHAIN OF CUSTODY NO.: 503617 503618

PROJECT ID: 3.Ddd5.14.02

WHITE — TO SAMPLE MANAGER, YELLOW — DATA ENTRY COPY, PINK — ORIGINATOR

REV. 12/90

▒ TO BE COMPLETED BY SAMPLE PROCESSING

Sandia National Laboratories

ENVIRONMENTAL PROGRAMS SAMPLE COLLECTION LOG
MULTIPLE SAMPLES

DATE: 3-20-94

SHEET 4 OF 5

GENERAL INFORMATION

WEATHER: Overcast, windy

SAMPLING PROCEDURE REFERENCE: LWDS RFI Workplan

GENERAL REMARKS:

SAMPLING INFORMATION

ON-SITE CONTACT: Lon Dawson | ORG. 7582 | PHONE 848-0488

AREA: TA-5 | LOCATION: TA-5 BH-11

SAMPLE DESCRIPTION

MATRIX: ☐ GAS ☐ LIQUID ☐ SLUDGE ☐ SOLID ☐ WATER ☐ OIL ☒ SOIL ☐ HAZ WASTE ☐ OTHER

COLLECTED FROM: ☐ DRUM ☐ TANK ☐ SURFACE WATER ☒ SOIL ☐ WASTEWATER ☐ GROUNDWATER ☐ OTHER

SAMPLE I.D. NUMBER	FRACTION	LOCATION	TIME	SAMPLE TYPE GRAB	SAMPLE TYPE COMP	NUMBER OF CONTAINERS	SAMPLE VOLUME (ml)	CONTAINER TYPE G	CONTAINER TYPE P	PRESERVATIVES	DEPTH BELOW SURFACE (ft)	QC SAMPLE (y/n)	COMMENTS	ANALYSES: VOL	SVOL	TAL Metals				INIT.
ER92001384	1	LWDS BH-11	1450	X		1	4oz	X		4°C	70	N		X						DJF EJR
↓	2		1450	X		1	16oz	X			↓	N			X	X				DJF EJR
1385	1		1455	X		1	4oz	X			70	Y	Duplicate of 1384-1	X						DJF EJR
↓	2		1455	X		1	16oz	X			↓	Y	Duplicate of 1384-2		X	X				DJF EJR
1389	1		1100	X		1	4oz	X			37.5	N		X						DJF EJR
↓	2		1100	X		1	16oz	X		↓	↓	N			X	X				DJF EJR
1387 ~~1388~~	1		1700	X		~~1~~ 1	40ml	X		HCl	N/A	Y	Trip blank	X						DJF EJR
1386 ~~1387~~	1	↓	1700	X		1	4oz	X		4°C	N/A	Y	Soil blank	X						DJF EJR

PROJECT

PROJECT NAME: LWDS Drilling Support | CASE NUMBER: 3244.312 | PROJECT CONTACT: Lon Dawson | ORG. 7582 | PHONE 848-0458

TURNAROUND: ☒ NORMAL ☐ RUSH ☐ OTHER

REGULATORY PROGRAM: RCRA

SPECIAL QC REQUIREMENTS:

SAMPLE TEAM MEMBERS

	NAME	SIGNATURE	INIT	COMPANY/ORGANIZATION
1.	Dale Flores	Dale J. Flores	DJF	IT-Corp
2.	Ernie Ross	Ernie Ross	EJR	↓
3.				

SAMPLE TRACKING

SAMPLE DISTRIBUTION: ENSECO/RMAL

TRANSPORTED BY: SNL/SMO A44005

SPECIAL HANDLING:

DATE SHIPPED (MM/DD/YY): 3/25/94

DATA ENTERED (MM/DD/YY): 3/30/94

BY:

REQ. FOR ANALYSIS NO.: 508618

CHAIN OF CUSTODY NO.: 508618

PROJECT ID: 301455.140.42

WHITE — TO SAMPLE MANAGER, YELLOW — DATA ENTRY COPY, PINK — ORIGINATOR

REV. 12/90

TO BE COMPLETED BY SAMPLE PROCESSING

Sandia National Laboratories

ENVIRONMENTAL PROGRAMS SAMPLE COLLECTION LOG
MULTIPLE SAMPLES

DATE: 3-20-94

SHEET 5 OF 5

GENERAL INFORMATION

WEATHER: Overcast, windy

SAMPLING PROCEDURE REFERENCE: LWDS RFI Workplan

GENERAL REMARKS:

SAMPLING INFORMATION — ON-SITE CONTACT: LON DAWSON; ORG. 7582; PHONE 848-6458; AREA: TA-5; LOCATION: TA-5 BH-11

SAMPLE DESCRIPTION

MATRIX: ☐ GAS ☒ LIQUID ☐ SLUDGE ☐ SOLID ☐ WATER ☐ OIL ☐ SOIL ☐ HAZ WASTE ☐ OTHER

COLLECTED FROM: ☐ DRUM ☐ TANK ☐ SURFACE WATER ☐ SOIL ☐ WASTEWATER ☐ GROUNDWATER ☒ OTHER Equipment Blank

SAMPLE I.D. NUMBER	FRACTION	LOCATION	TIME	SAMPLE TYPE GRAB	SAMPLE TYPE COMP	NUMBER OF CONTAINERS	SAMPLE VOLUME (ml)	CONTAINER TYPE G	CONTAINER TYPE P	PRESERVATIVES	DEPTH BELOW SURFACE (ft)	QC SAMPLE (y/n)	COMMENTS	VOC	SVOC	TAL Metals				INIT.
ER92001388	1	LWDS BH-11	1545	X		3	40	X		HCl	N/A	Y	Eqp. Blank (H2O Matrix)	X						DF EA
↓	2A	↓	1545	X		2	500ml. 500ml	X	X	HNO_3	N/A	Y	↓			X				DF EA
↓	2		1545	X		2	1 Lit	X		4°C	N/A	Y			X					DF EA

PROJECT

PROJECT NAME: LWDS Drilling Support; CASE NUMBER: 3264.312; PROJECT CONTACT: LON DAWSON; ORG. 7582; PHONE 848-6458

TURNAROUND: ☒ NORMAL ☐ RUSH ☐ OTHER

REGULATORY PROGRAM: RCRA

SPECIAL QC REQUIREMENTS:

SAMPLE TEAM MEMBERS

	NAME	SIGNATURE	INIT	COMPANY/ORGANIZATION
1.	Dale Flores	[signature]	DF	IT-Corp
2.	Ernie Ross	[signature]	EA	↓
3.				

SAMPLE TRACKING

SAMPLE DISTRIBUTION: ENSECO/RMAL
TRANSPORTED BY: Fed/Ship A440085
SPECIAL HANDLING:
DATE SHIPPED (MM/DD/YY): 3/25/94
DATA ENTERED (MM/DD/YY): 3/30/94
BY:
REQ. FOR ANALYSIS NO. 508618
CHAIN OF CUSTODY NO. 508618
PROJECT ID: 3/1455.140.02

WHITE — TO SAM MANAGER, YELLOW — DATA ENTRY COPY, PINK — ORIGINATOR   V. 12/90   TO BE COMPLETED BY SAMPLE PROCESSING

Sa[redacted]a National Laboratories

ANALYSIS REQ[redacted]ST AND CHAIN OF CUSTO[redacted]Y RECORD

No: 5086[redacted]

Page 1 of 2

Department No:	7582
Project/Task Manager:	[illegible]
Project Name:	[illegible]
Sample Team Members:	[illegible]
Date Samples Shipped:	SMO USE ONLY
Carrier/Waybill No:	
Lab Destination:	
Lab Contact:	
SMO Contact/Phone:	
Send Report to SMO:	
SMO Reference No:	
Bill to:	Sandia National Laboratories Supplier Services Department 0154 P.O. Box 5800 Albuquerque, NM 87185
Contract No:	[illegible]
Case No:	[illegible]
SMO Authorization:	[illegible]

Sample Number	Sample Type	Date/Time Collected	Container Type	Sample Volume	Preservative	Requested Testing Program	QC	Lab Sample Number	Condition on Receipt
ER 92001372 -1	Soil	3/2/94 [illegible]	Glass	4oz	4°C	VOC	N	FOR LAB USE ONLY	
↓ -2		/1000		16oz		SVOC, TAL Metals			
1373 -1		/1000		4oz		VOC			
↓ -2		/1000		16oz		SVOC, TAL Metals			
1374 -1		/1000		4oz		VOC	N		
~~↓ -2~~		~~/~~		~~16oz~~		~~SVOC, TAL Metals~~			
1375 -1		/1050		4oz	4°C	VOC	N		
↓ -2		/1050		16oz		SVOC, TAL Metals			
1376 -1		/1105		4oz		VOC			
↓ -2		/1105		16oz		SVOC, TAL Metals			
1377 -1		/1113		4oz		VOC			

Possible Hazard Identification
Non-hazard ☒ Flammable ☐ Skin Irritant ☐ Poison B ☐ Other ☐

Turnaround Time
Normal ☒ Rush ☐ Required Report Date: per contract

Sample Disposal
Return to Client ☐ Disposal by Lab ☒ Archive Until: per contract

Special Instructions/QC Requirements
[illegible]

	Org	Date	Time
1. Relinquished by [illegible]	[illegible]	[illegible]	[illegible]
1. Received by [illegible]	[illegible]	[illegible]	[illegible]
2. Relinquished by [illegible]	SNL 7571	3/2/94	1400
2. Received by			
3. Relinquished by			
3. Received by			
4. Relinquished by			
4. Received by			
5. Relinquished by			
5. Received by			
6. Relinquished by			
6. Received by			

White-To Accompany Samples, Laboratory Copy Blue-To Accompany Samples, Return to SMO Pink-Field/Purchasing Copy

Rev 0 10/92

301540.20.04.P1

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ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD (cont.)

No: 5086

Project Name: CWDS RFD Project/Task Manager: Lon Dawson Case Number: [illegible]

Sample Number	Sample Type	Date/Time Collected	Container Type	Sample Volume	Preservative	Requested Testing Program	QC	Lab Sample Number	Condition on Receipt
ER9200 1377-2	Soil	[illegible]	Glass	16 oz	4°C	SVOC TAL Metals	N		
1378-1		1115		4 oz		VOC			
↓ -2		1115		16 oz		SVOC TAL Metals			
1379-1		1143		4 oz		VOC			
↓ -2		1143		16 oz		SVOC TAL Metals			
1380-1		1145		4 oz		VOC			
↓ -2		1145		16 oz		SVOC TAL Metals			
1381-1		1350		4 oz		VOC			
↓ -2		1350		16 oz		SVOC TAL Metals			
1382-1		1440		4 oz		VOC			
↓ -2		1440		16 oz		SVOC TAL Metals			
1383-1		1439		4 oz		VOC			
↓ -2		1439		16 oz		SVOC TAL Metals			
1384-1		1450		4 oz		VOC			
↓ -2		1450		16 oz		SVOC TAL Metals			
1385-1		1455		4 oz		VOC			
↓ -2		1455		16 oz		SVOC TAL Metals			
1389-1		1130		4 oz		VOC			
↓ -2		1130		16 oz		SVOC TAL Metals	↓		
1386-1	↓	[illegible]		4 oz	↓	VOC	Y		
1387-1	Water	[illegible]		[illegible]	[illegible]	VOC	Y		
1388-1		1045	↓	3 x 40 ml	HCL	VOC	Y		
-2a		1045	[illegible]	[illegible]	[illegible]	SVOC TAL Metals	Y		
↓ -2	↓	1045	Glass	2 x 1 L	4°C	SVOC	Y		

FOR LAB USE ONLY

3015A40.20.04 Y2

White-To Accompany Samples, Laboratory Copy — Blue-To Accompany Samples, Return to SMO — Pink-Field/Purchasing Copy — Rev 0 10/92

Sandia National Laboratories

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

No: 508805

Page 1 of 2

Department No: 7582
Project/Task Manager: LON DAWSON
Project Name: LWDS
Sample Team Members: Dale Flores, Ernie Ross

Date Samples Shipped: 3/26/94
Carrier/Waybill No: 444029
Lab Destination: TMA Eberline
Lab Contact: Jim LoVito
SMO Contact/Phone: 262-8500
Send Report to SMO: Mark Lyon
SMO Reference No: 301455.140.02

Bill to: Sandia National Laboratories
Supplier Services Department 0154
P.O. Box 5800
Albuquerque, NM 87185
Contract No: 12-684113
Case No: 3624.313
SMO Authorization: Mark Lyon

Sample Number	Sample Type	Date/Time Collected	Container Type	Sample Volume	Preservative	Requested Testing Program	QC	Lab Sample Number	Condition on Receipt
ERL4200 1372-3	Soil	3/24/94 0850	Poly	1 Lit	None	Tritium	N	9403344-01	OK
↓ -4		1050		500		Gamma Spec.		-02	
1373-3		1000		1 Lit		Tritium		-03	
↓ -4		1000		500		Gamma Spec.	✓	-04	
~~1374-3~~				~~1 Lit~~		~~Tritium~~ VR 3/24/94			
~~↓ -4~~				~~500~~		~~Gamma Spec~~ VR 3/24/94			
1375-3		1050		1 Lit		Tritium	N	-05	
↓ -4		1050		500		Gamma Spec.		-06	
1376-3		1105		1 Lit		Tritium		-07	
↓ -4	↓	1105	↓	500		Gamma Spec.		-08	
↓ 1377-3		↓ 1113		1 Lit	↓	Tritium	↓	-09	↓

Possible Hazard Identification
Non-hazard ☒ Flammable ☐ Skin Irritant ☐ Poison B ☐ Other ☐

Turnaround Time
Normal ☑ Rush ☐ Required Report Date per contract

Sample Disposal
Return to Client ☒ Disposal by Lab ☐ Archive Until per contract

Special Instructions/QC Requirements

1. Relinquished by	Ernie Ross	Org ITC	Date 3/24/94	Time 0850	4. Relinquished by	Org	Date	Time
1. Received by	D. McDaniel	Org SNL 7576	Date 3/24/94	Time 0850	4. Received by	Org	Date	Time
2. Relinquished by	D. McDaniel	Org SNL 7576	Date 3/28/94	Time 1500	5. Relinquished by	Org	Date	Time
2. Received by	Jim LoVito	Org TMA	Date 3/28/94	Time 15:00	5. Received by	Org	Date	Time
3. Relinquished by		Org	Date	Time	6. Relinquished by	Org	Date	Time
3. Received by		Org	Date	Time	6. Received by	Org	Date	Time

301540.2004 P1

White-To Accompany Samples, Labor- Copy. Blue-To Accompany Samples, Return to SMO. Pink-Field/Purchasing Copy

Rev 0 10/92

Sandia National Laboratories

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD (cont.)

No: 508805

Project Name: LWDS RF1 Project/Task Manager: LON Dawson Case Number: 3624.312

Sample Number	Sample Type	Date/Time Collected	Container Type	Sample Volume	Preservative	Requested Testing Program	QC	Lab Sample Number	Condition on Receipt
ER9200 1377 . 4	Soil	3/10/94/0113	Poly	500ml	NONE	gamma spec.	N	9403344-10	OK
1378 . 3		/1115		1 lit		Tritium		-11	
. 4		/1115		500ml		Gamma Spec		-12	
1379 . 3		/1143		1 lit		Tritium		-13	
. 4		/1143		500ml		gamma spec.		-14	
1380 . 3		/1145		1 lit		Tritium		9403342-01	
. 4		/1145		500ml		gamma spec.		-02	
1381 . 3		/1350		1 lit		Tritium		-03	
. 4		/1350		500ml		Gamma Spec		-04	
1382 . 3		/1410		1 lit		Tritium		-05	
. 4		/1410		500ml		Gamma Spec		-06	
1383 . 3		/1439		1 lit		Tritium		-07	
. 4		/1439		500ml		Gamma Spec		-08	
~~1384 . 3~~		~~/1450~~		~~1 lit~~		~~Tritium~~ DNF 3/10/94			
. 4		/1450		500ml		Gamma Spec		-09	
1385 . 3		/1455		1 lit		Tritium		-10	
. 4		/1455		500ml		Gamma Spec		-11	
1389 . 3		/1100		1 lit		Tritium		-12	
. 4		/1100		500ml		Gamma Spec		-13	
1388 . 3	Water	/1545	Glass	250 ml		Tritium	Y	9403344-11	
. 4		/1545	Poly	1 lit	HNO3	Gamma Spec		-02	

DNF 12/0/94

201540.20.04 P2

White-To Accompany Samples, Laboratory Copy | Blue-To Accompany Samples, Return to SMO | Pink-Field/Purchasing Copy | Rev 0 10/92

ER92001393 ER92001394 ER92001395 ER92001396

National Laboratories

SAMPLE COLLECTION LOG
MULTIPLE SAMPLES

DATE: 3-21-94

SHEET 1 OF 4

GENERAL INFORMATION

WEATHER: Clear Sunny, 60's

SAMPLING PROCEDURE REFERENCE: LWDS RFI Work Plan

GENERAL REMARKS:

SAMPLING INFORMATION

ON-SITE CONTACT: Lon Dawson | ORG. 7582 | PHONE 848-0458

AREA: TA-5 | LOCATION: TA-5 BH-12

SAMPLE DESCRIPTION

MATRIX: ☐ GAS ☐ LIQUID ☐ SLUDGE ☐ SOLID ☐ WATER ☐ OIL ☒ SOIL ☐ HAZ WASTE ☐ OTHER

COLLECTED FROM: ☐ DRUM ☐ TANK ☐ SURFACE WATER ☒ SOIL ☐ WASTEWATER ☐ GROUNDWATER ☐ OTHER

SAMPLE I.D. NUMBER	FRACTION	LOCATION	TIME	SAMPLE TYPE: GRAB	SAMPLE TYPE: COMP	NUMBER OF CONTAINERS	SAMPLE VOLUME (ml)	CONTAINER TYPE: G	CONTAINER TYPE: P	PRESERVATIVES	DEPTH BELOW SURFACE (ft)	QC SAMPLE (y/n)	COMMENTS	VOL	SVOC	TAL Metals			INIT.
ER9200 1393	1	TA-5 BH-12	~~840~~ 1040	X		1	4oz	X		4°C	25	N		X					DJF
↓	2	↓	~~840~~ 1040	X		1	16oz	X		↓	↓	↓			X	X			DJF
1394	1		1054	X		1	4oz	X			30			X					DJF
↓	2		1054	X		1	16oz	X			↓				X	X			DJF
1395	1		1055	X		1	4oz	X			32.5			X					DJF
↓	2		1055	X		1	16oz	X			↓				X	X			DJF
1396	1		1104	X		1	4oz	X			35			X					DJF
↓	2	↓	1104	X		1	16oz	X		↓	↓	↓			X	X			DJF

PROJECT

PROJECT NAME: LWDS Drilling Support | CASE NUMBER: 3/2/64.312 | PROJECT CONTACT: Lon Dawson | ORG. 7582 | PHONE 848-0458

TURNAROUND: ☒ NORMAL ☐ RUSH ☐ OTHER | REGULATORY PROGRAM: RCRA

SPECIAL QC REQUIREMENTS:

SAMPLE TEAM MEMBERS

	NAME	SIGNATURE	INIT	COMPANY/ORGANIZATION
1.	Dale Flores	Dale J. Flores	DJF	FT Corp
2.	Ervin Ross	Ervin Ross	ER	↓
3.				

SAMPLE TRACKING

SAMPLE DISTRIBUTION: ENSECO / RMAL | TRANSPORTED BY: SNL 15070 A44005 | SPECIAL HANDLING:

DATE SHIPPED (MM/DD/YY): 3/25/94 | DATA ENTERED (MM/DD/YY): 3/30/94 | BY: DJ

REQ. FOR ANALYSIS NO.: 508807 | CHAIN OF CUSTODY NO.: 508807 | PROJECT ID.: 34455.140.02

ER92001397 ER92001398 ER92001399 ER92001400

DATE: 3-21-94

SHEET 2 OF 4

National Laboratories

SAMPLE COLLECTION LOG

MULTIPLE SAMPLES

GENERAL INFORMATION

WEATHER: Clear Sunny, 60s

SAMPLING PROCEDURE REFERENCE: LWDS RFI Work Plan

GENERAL REMARKS:

SAMPLING INFORMATION

ON-SITE CONTACT: LON DAWSON | ORG.: 7582 | PHONE: 848-0458

AREA: TA-5 | LOCATION: TA-5 BH-12

SAMPLE DESCRIPTION

MATRIX: ☐ GAS ☐ LIQUID ☐ SLUDGE ☐ SOLID ☐ WATER ☐ OIL ☒ SOIL ☐ HAZ WASTE ☐ OTHER

COLLECTED FROM: ☐ DRUM ☐ TANK ☐ SURFACE WATER ☒ SOIL ☐ WASTEWATER ☐ GROUNDWATER ☐ OTHER

SAMPLE I.D. NUMBER	FRACTION	LOCATION	TIME	SAMPLE TYPE: GRAB	SAMPLE TYPE: COMP	NUMBER OF CONTAINERS	SAMPLE VOLUME (ml)	CONTAINER TYPE: G	CONTAINER TYPE: P	PRESERVATIVES	DEPTH BELOW SURFACE (ft)	QC SAMPLE (y/n)	COMMENTS	ANALYSES: VOC	ANALYSES: SVOC	ANALYSES: TAL Metals				INT.
ER92001397		TA-5 BH-12	1106	X		1	4oz	X		4°C	37.5	N		X						DJF
↓			1106	X		1	16oz	X			↓				X	X				DJF
1398			1125	X		1	4oz	X			40	DUP Y	ms/msd	X						DJF
↓			1125	X		1	16oz	X			↓	MS Y	ms/msd		X	X				DJF
1399			1127	X		1	4oz	X			45	NO		X						DJF
↓			1127	X		1	16oz	X			↓				X	X				DJF
1400			1205	X		1	4oz	X			56			X						DJF
↓		↓	1205	X		1	16oz	X		↓	↓	↓			X	X				DJF

PROJECT

PROJECT NAME: LWDS Drilling Support | CASE NUMBER: 3264.312 | PROJECT CONTACT: LON DAWSON | ORG.: 7582 | PHONE: 848-0458

TURNAROUND: ☒ NORMAL ☐ RUSH ☐ OTHER | REGULATORY PROGRAM: RCRA

SPECIAL QC REQUIREMENTS:

SAMPLE TEAM MEMBERS

	NAME	SIGNATURE	INT	COMPANY/ORGANIZATION
1.	Dale Flores	Dale J. Flores	DF	IT-CORP
2.	Ernie Boss	Ernie Boss		↓
3.				

SAMPLE TRACKING

SAMPLE DISTRIBUTION: ENSECO/RMAL | TRANSPORTED BY: SNL/SMD A44005 | SPECIAL HANDLING:

DATE SHIPPED (MM/DD/YY): 3/25/94 | DATA ENTERED (MM/DD/YY): 3/30/94 | BY: DJ

REQ. FOR ANALYSIS NO.: 508807 | CHAIN OF CUSTODY NO.: 508807 | PROJECT ID: 30145.140.02

WHITE — TO SAI MANAGER, YELLOW — DATA ENTRY COPY, PINK — ORIGINATOR REV. 12/90 TO BE COMPLETED SAMPLE PROCESSING

SNL Environmental Restoration Program — ER92001401 — ER92001402 — ER92001403 — ER92001404

National Laboratories

SAMPLE COLLECTION LOG
MULTIPLE SAMPLES

DATE: 3-21-94

SHEET 3 OF 4

GENERAL INFORMATION

WEATHER: Clear Sunny, 60s

SAMPLING PROCEDURE REFERENCE: LWDS RFI Work Plan

GENERAL REMARKS:

SAMPLING INFORMATION

ON-SITE CONTACT: LON DAWSON | ORG. 7582 | PHONE 848-0458

AREA: TA-5 | LOCATION: TA-5 BH-12

SAMPLE DESCRIPTION

MATRIX: ☐ GAS ☐ LIQUID ☐ SLUDGE ☐ SOLID ☐ WATER ☐ OIL ☒ SOIL ☐ HAZ WASTE ☐ OTHER

COLLECTED FROM: ☐ DRUM ☐ TANK ☐ SURFACE WATER ☒ SOIL ☐ WASTEWATER ☐ GROUNDWATER ☐ OTHER

SAMPLE I.D. NUMBER	FRACTION	LOCATION	TIME	SAMPLE TYPE: GRAB	SAMPLE TYPE: COMP	NUMBER OF CONTAINERS	SAMPLE VOLUME (ml)	CONTAINER TYPE: G	CONTAINER TYPE: P	PRESERVATIVES	DEPTH BELOW SURFACE (ft)	QC SAMPLE (y/n)	COMMENTS	ANALYSES: VOC	ANALYSES: SVOC	ANALYSES: TAL Metals				INT.
ER9200 1401	1	TA-5 BH-12	1225	X		1	4oz	X		4°C	5.5	N		X						DJF
	2		1225	X		1	16oz	X				N			X	X				DJF
1402	1		1230	X		1	4oz	X			5.5	Y	Duplicate of 1401-1	X						DJF
	2		1230	X		1	16oz	X				Y	Duplicate of 1401-2		X	X				DJF
1403	2		1245	X		2	1 lit	X			N/A	Y	Eqpt. Blank H_2O Matrix		X	X				DJF
	1		1245	X		3	40	X		HCl		Y		X						DJF
	2a		1245	X		2	500 500	X	X	HNO_3		Y				X				DJF
1404	1		1400	X		1	250	X		HCl		Y	Trip Blank	X						DJF

PROJECT

PROJECT NAME: LWDS Drilling Support | CASE NUMBER: 7264.312 | PROJECT CONTACT: LON DAWSON | ORG. 7582 | PHONE 848-0458

TURNAROUND: ☒ NORMAL ☐ RUSH ☐ OTHER | REGULATORY PROGRAM: RCRA

SPECIAL QC REQUIREMENTS:

SAMPLE TEAM MEMBERS

	NAME	SIGNATURE	INIT	COMPANY/ORGANIZATION
1.	Dale Flores	[signature]	DJF	FT Corp
2.	Ernie Ross	[signature]	ER	FT Corp
3.				

SAMPLE TRACKING

SAMPLE DISTRIBUTION: ENSECO/RMAL

TRANSPORTED BY: SNL/SMO A44005

SPECIAL HANDLING:

DATE SHIPPED (MM/DD/YY): 3/25/94

DATA ENTERED (MM/DD/YY): 3/30/94

BY: [illegible]

REQ. FOR ANALYSIS NO.: 508807

CHAIN OF CUSTODY NO.: 508807

PROJECT ID.: 301455.146.02

WHITE — TO SAMPLE MANAGER, YELLOW — DATA ENTRY COPY, PINK — ORIGINATOR REV. 12/90 ▒ TO BE COMPLETED BY SAMPLE PROCESSING

SNL ENVIRONMENTAL RESTORATION , RECORD...

ER92001405

Sandia National Laboratories

ENVIRONMENTAL PROGRAMS SAMPLE COLLECTION LOG

MULTIPLE SAMPLES

DATE: 3-21-94

SHEET 4 OF 4

GENERAL INFORMATION

WEATHER: Clear Sunny 60s

SAMPLING PROCEDURE REFERENCE:

GENERAL REMARKS:

SAMPLING INFORMATION: ON-SITE CONTACT: LON DAWSON | ORG. 7582 | PHONE 848-0458

AREA: TA-5 | LOCATION: TA-5 BH-12

SAMPLE DESCRIPTION

MATRIX: ☐ GAS ☐ LIQUID ☐ SLUDGE ☐ SOLID ☐ WATER ☐ OIL ☒ SOIL ☐ HAZ WASTE ☐ OTHER

COLLECTED FROM: ☐ DRUM ☐ TANK ☐ SURFACE WATER ☒ SOIL ☐ WASTEWATER ☐ GROUNDWATER ☐ OTHER

SAMPLE I.D. NUMBER	FRACTION	LOCATION	TIME	SAMPLE TYPE: GRAB	SAMPLE TYPE: COMP	NUMBER OF CONTAINERS	SAMPLE VOLUME (ml)	CONTAINER TYPE: G	CONTAINER TYPE: P	PRESERVATIVES	DEPTH BELOW SURFACE (ft)	QC SAMPLE (y/n)	COMMENTS	ANALYSES: VOC							INIT.
ER92001405	1	TA-5 BH-12	1700	X		1	4oz	X		NONE	NA	Y	Soil blank	X							DJF

PROJECT

PROJECT NAME: LWDS Drilling Support | CASE NUMBER: 3244.312 | PROJECT CONTACT: LON DAWSON | ORG. 7582 | PHONE 848-0458

TURNAROUND: ☒ NORMAL ☐ RUSH ☐ OTHER

REGULATORY PROGRAM:

SPECIAL QC REQUIREMENTS:

SAMPLE TEAM MEMBERS

	NAME	SIGNATURE	INIT	COMPANY/ORGANIZATION
1.	Dale Flores	Dale J. Flores	DJF	ITCORP
2.				↓
3.				

SAMPLE TRACKING

SAMPLE DISTRIBUTION: Enseco Thermal | TRANSPORTED BY: SNL/SMO A44005 | SPECIAL HANDLING:

DATE SHIPPED (MM/DD/YY): 3/22/94 | DATA ENTERED (MM/DD/YY): 3/30/94 | BY:

REQ. FOR ANALYSIS NO.: 508807 | CHAIN OF CUSTODY NO.: 508807 | PROJECT ID.: 301455.140.02

Sandia National Laboratories

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

No: 508807

Page 1 of 2

Department No:	Date Samples Shipped:	Bill to: Sandia National Laboratories, Supplier Services Department 0154, P.O. Box 5800, Albuquerque, NM 87185
Project/Task Manager:	Carrier/Waybill No:	
Project Name:	Lab Destination:	
Sample Team Members:	Lab Contact:	Contract No:
	SMO Contact/Phone:	Case No:
	Send Report to SMO:	
	SMO Reference No:	SMO Authorization:

SMO USE ONLY

Sample Number	Sample Type	Date/Time Collected	Container Type	Sample Volume	Preservative	Requested Testing Program	QC
ER9200 1393 - 1	soil	[illegible] 1040	[illegible]	[illegible]	[illegible]	VOC	N
↓ - 2		1040		[illegible]		SVOC, TAL Metals	
1394 - 1		1054		[illegible]		VOC	
↓ - 2		↓		[illegible]		SVOC, TAL [illegible]	
1395 - 1		1055		[illegible]		VOC	
↓ - 2		↓		[illegible]		SVOC, TAL [illegible]	
1396 - 1		1104		[illegible]		VOC	
↓ - 2		↓		[illegible]		SVOC, TAL [illegible]	
1397 - 1		[illegible]		[illegible]		VOC	
↓ - 2		↓		[illegible]		SVOC, TAL [illegible]	
1398 - 1	↓	1175	↓	[illegible]	↓	VOC	[illegible]

FOR LAB USE ONLY

Possible Hazard Identification
Non-hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Other ☐

Turnaround Time
Normal ☐ Rush ☐ Required Report Date

Sample Disposal
Return to Client ☐ Disposal by Lab ☐ Archive Until

Special Instructions/QC Requirements

1. Relinquished by	Org	Date	Time
1. Received by [signature]	Org RC	Date 3 21 94	Time 0800
2. Relinquished by [signature]	Org RC	Date [illegible]	Time 1400
2. Received by	Org	Date	Time
3. Relinquished by	Org	Date	Time
3. Received by	Org	Date	Time
4. Relinquished by	Org	Date	Time
4. Received by	Org	Date	Time
5. Relinquished by	Org	Date	Time
5. Received by	Org	Date	Time
6. Relinquished by	Org	Date	Time
6. Received by	Org	Date	Time

White-To Accompany Samples, Laboratory Copy Blue-To Accompany Samples, Return to SMO Pink-Field/Purchasing Copy Rev 0 10/92

391540.20.04 (R)

Sandia National Laboratories

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD (cont.)

No: 508807

Project Name: RI-2 Project/Task Manager: Case Number:

Sample Number	Sample Type	Date/Time Collected	Container Type	Sample Volume	Preservative	Requested Testing Program	QC
ER9200 1398-2	Soil					SVOC TAL	MS/MSD
1399-1						VOC	
↓ -2						SVOC, TAL	
1400 -1						VOC	
↓ -2						SVOC, TAL	
1401 -1						VOC	
↓ -2						SVOC TAL	
1402 -1						VOC	
↓ -2	↓	↓	↓			SVOC TAL	↓
1403-2	Water				↓	SVOC	Y
↓ -1	↓	↓				VOC	Y
↓ -2a	↓	↓				TAL Metals	Y
1404 FB-1	Soil	↓			None	VOC	Y
1404 -1	Water	↓			↓	VOC	

FOR LAB USE ONLY

White-To Ac any Samples, Labo...y Copy

Blue-To Accompany Samples, Return to SMO

Pink-Field/Puchasing Copy

Rev 0 10/92

8015402/0.04 P2

Sandia National Laboratories

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

No: 508808

Department No: 7582
Project/Task Manager: LIN DAWSON
Project Name: LWDS RPI
Sample Team Members: Dale Flores DOE
Ernie Ross SAIC

Date Samples Shipped: 3/26/24
Carrier/Waybill No: A44029
Lab Destination: TMA/Eberline
Lab Contact: Joe Lozito
SMO Contact/Phone: 262-8800
Send Report to SMO: Mark Lyon
SMO Reference No: 301455.14002

Bill to: Sandia National Laboratories
Supplier Services Department 0154
P.O. Box 5800
Albuquerque, NM 87185
Contract No: 12-0941-B
Case No: 3624.312
SMO Authorization: Mark Lyon

Sample Number	Sample Type	Date/Time Collected	Container Type	Sample Volume	Preservative	Requested Testing Program	QC	Lab Sample Number	Condition on Receipt
ER9200 1393 - 3	SOIL	3/21/24 1040	Poly	1 Lit	N/A	Tritium	N	340345-01	OK
↓ - 4	↓	↓	↓	500	↓	gamma spec.	↓	02	↓
1394 - 3	↓	1654	↓	1 Lit	↓	Tritium	↓	03	↓
↓ - 4	↓	↓	↓	500	↓	gamma spec	↓	04	↓
1395 - 3	↓	1055	↓	1 Lit	↓	Tritium	↓	05	↓
↓ - 4	↓	↓	↓	500	↓	gamma spec	↓	06	↓
1396 - 3	↓	1104	↓	1 Lit	↓	Tritium	↓	07	↓
↓ - 4	↓	↓	↓	500	↓	gamma spec	↓	08	↓
1397 - 3	↓	1106	↓	1 Lit	↓	Tritium	↓	09	↓
↓ - 4	↓	↓	↓	500	↓	gamma spec.	↓	10	↓
↓ 1398 - 3	↓	↓ 1125	↓	1 Lit	↓	Tritium	↓	11	↓

Possible Hazard Identification
Non-hazard ☒ Flammable ☐ Skin Irritant ☐ Poison B ☐ Other ☐

Special Instructions/QC Requirements

Turnaround Time
Normal ☒ Rush ☐ Required Report Date Per Contract

Sample Disposal
Return to Client ☒ Disposal by Lab ☐ Archive Until Per Contract

1. Relinquished by	Org FTC	Date 3-22-24	Time 0810	4. Relinquished by	Org	Date	Time
1. Received by	Org ITC	Date 3/22/24	Time 0810	4. Received by	Org	Date	Time
2. Relinquished by	Org SMO/STA	Date 3/26/24	Time 1500	5. Relinquished by	Org	Date	Time
2. Received by	Org FAA	Date 3/26/24	Time 15:00	5. Received by	Org	Date	Time
3. Relinquished by	Org	Date	Time	6. Relinquished by	Org	Date	Time
3. Received by	Org	Date	Time	6. Received by	Org	Date	Time

301540.20.04 P1

White-To Accompany Samples, Laboratory Copy | Blue-To Accompany Samples, Return to SMO | Pink-Field/Purchasing Copy | Rev 0 10/92

Sandia National Laboratories

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD (cont.)

No: 508808

Project Name: LWDS RFI Project/Task Manager: LON DAWSON Case Number: 3624.312

66

Sample Number	Sample Type	Date/Time Collected	Container Type	Sample Volume	Preservative	Requested Testing Program	QC	Lab Sample Number	Condition on Receipt
ER92001398-4	Soil	3/21/94 1125	Poly	500ml	N/A	gamma spec.	N	9403345-12	ok
1399-3	↓	1127	↓	1 lit	↓	Tritium	↓	13	↓
↓-4		↓		500 ml.		gamma spec.		14	
1400-3		1205		1 lit		tritium		15	
↓-4	↓	↓	↓	500ml.	↓	gamma spec.	↓	16	
DUP 3/21/94 1401-3		~~1215~~							
↓-4	Soil	3/21/94 1225	Poly	500ml.	N/A	gamma spec.	N	17	
1402-3	↓	1230	↓	1 lit	N/A	tritium	↓	18	
↓-4	↓	↓	↓	500ml.	N/A	gamma spec.	↓	19	
1403-3	Water	1245	Glass	250ml.	N/A	tritium	Y	9403346-01	
↓-4	↓	↓	Poly	1 lit	HNO_3	gamma spec.	Y	02	↓

White-To Accompany Samples, Laboratory Copy | Blue-To Accompany Samples, Return to SMO | Pink-Field/Purchasing Copy | Rev 0 10/92

ER92001406 ER92001407 ER92001408 ER92001409

SNL ENVIRONMENTAL RESTORATION PROGRAM

Sandia National Laboratories

SAMPLE COLLECTION LOG
MULTIPLE SAMPLES

DATE: 3-22-94

SHEET 1 OF 4

GENERAL INFORMATION

WEATHER: Sunny, Windy

SAMPLING PROCEDURE/REFERENCE: LWDS RFI Work Plan

GENERAL REMARKS:

SAMPLING INFORMATION

ON-SITE CONTACT: LEN DAWSON | ORG. 7582 | PHONE 848-0458

AREA: TA-5 | LOCATION: TA-5 BH-13

SAMPLE DESCRIPTION

MATRIX: ☐ GAS ☐ LIQUID ☐ SLUDGE ☐ SOLID ☐ WATER ☐ OIL ☒ SOIL ☐ HAZ WASTE ☐ OTHER

COLLECTED FROM: ☐ DRUM ☐ TANK ☐ SURFACE WATER ☒ SOIL ☐ WASTEWATER ☐ GROUNDWATER ☐ OTHER

SAMPLE I.D. NUMBER	FRACTION	LOCATION	TIME	SAMPLE TYPE GRAB	SAMPLE TYPE COMP	NUMBER OF CONTAINERS	SAMPLE VOLUME (ml)	CONTAINER TYPE G	CONTAINER TYPE P	PRESERVATIVES	DEPTH BELOW SURFACE (ft)	QC SAMPLE (y/n)	COMMENTS	VOC	SVOL	TAL Metals				INIT.
ER92001406	1	TA-5 BH-13	1150	X		1	4oz	X		4°C	25	N		X						DJF / BM
↓	2	↓	1150	↓		↓	16oz	↓		↓	↓	↓			X	✓				DJF / BM
1407	1		1153				4oz				30			X						DJF / BM
↓	2		1153				16oz				↓				X	X				DJF / BM
1408	1		1200				4oz				32.5			X						DJF / BM
↓	2		1200				16oz				↓				X	✓				DJF / BM
1409	1		1203				4oz				35			X						DJF / BM
↓	2	↓	1203	↓		↓	16oz	↓		↓	↓	↓			X	✓				DJF / BM

PROJECT

PROJECT NAME: LWDS Drilling Support | CASE NUMBER: 3624.312 | PROJECT CONTACT: LEN DAWSON | ORG. 7582 | PHONE 848-0458

TURNAROUND: ☒ NORMAL ☐ RUSH ☐ OTHER | REGULATORY PROGRAM: RCRA

SPECIAL QC REQUIREMENTS:

SAMPLE TEAM MEMBERS

NAME	SIGNATURE	INIT	COMPANY/ORGANIZATION
1. Dale Flores	Dale Flores	DJF	IT CORP
2. ~~Brant Ross~~ B. Matz	B Matz	BM	IT Corp
3.			

SAMPLE TRACKING

SAMPLE DISTRIBUTION: Enseco/Irvine | TRANSPORTED BY: SNL/SMO A44005 | SPECIAL HANDLING:

DATE SHIPPED (MM/DD/YY): 3/23/94 | DATA ENTERED (MM/DD/YY): 3/25/94 | BY:

REQ. FOR ANALYSIS NO.: 508809 | CHAIN OF CUSTODY NO.: 508809 | PROJECT ID: 301455.140.02

WHITE — TO SA[MPLE] MANAGER, YELLOW — DATA ENTRY COPY, PINK — ORIGINATOR

[R]EV. 12/90

TO BE COMPLETED BY SAMPLE PROCESSING

ER92001410 ER92001411 ER92001412 ER92001413

National Laboratories

SAMPLE COLLECTION LOG
MULTIPLE SAMPLES

DATE: 3-22-94

SHEET 2 OF 4

GENERAL INFORMATION

WEATHER: Clear Windy

SAMPLING PROCEDURE REFERENCE: LWDS RFI Work Plan

GENERAL REMARKS:

SAMPLING INFORMATION

ON-SITE CONTACT: LON DAWSON | ORG. 7582 | PHONE 848-0458

AREA: TA-5 | LOCATION: TA-5 BH-13

SAMPLE DESCRIPTION

MATRIX: ☐ GAS ☐ LIQUID ☐ SLUDGE ☐ SOLID ☐ WATER ☐ OIL ☒ SOIL ☐ HAZ WASTE ☐ OTHER ______

COLLECTED FROM: ☐ DRUM ☐ TANK ☐ SURFACE WATER ☒ SOIL ☐ WASTEWATER ☐ GROUNDWATER ☐ OTHER ______

SAMPLE I.D. NUMBER	FRACTION	LOCATION	TIME	SAMPLE TYPE: GRAB	SAMPLE TYPE: COMP	NUMBER OF CONTAINERS	SAMPLE VOLUME (ml)	CONTAINER TYPE: G	CONTAINER TYPE: P	PRESERVATIVES	DEPTH BELOW SURFACE (ft)	QC SAMPLE (y/n)	COMMENTS	VOC	SVOC	TAL Metals				INT.
ER92001410	1	TA-3 BH-13	1210	X		1	4oz	X		4°C	37.5	N		X						DF/BM
↓	2	↓	1210	↓		↓	16oz	↓		↓	↓	↓			X	X				DF/BM
1411	1	↓	1213	↓		↓	4oz	↓		↓	40	↓		X						DF/BM
↓	2	↓	1213	↓		↓	16oz	↓		↓	↓	↓			X	X				DF/BM
1412	1	↓	1230	↓		↓	4oz	↓		↓	45	↓		X						DF/BM
↓	2	↓	1230	↓		↓	16oz	↓		↓	↓	↓			X	X				DF/BM
1413	1	↓	1335	↓		↓	4oz	↓		↓	50	↓		X						DF/BM
↓	2	↓	1335	↓		↓	16oz	↓		↓	↓	↓			X	X				DF/BM

PROJECT

PROJECT NAME: LWDS Drilling Support | CASE NUMBER: 3624.312 | PROJECT CONTACT: LON DAWSON | ORG. 7582 | PHONE 848-0458

TURNAROUND: ☒ NORMAL ☐ RUSH ☐ OTHER ______ | REGULATORY PROGRAM: RCRA

SPECIAL QC REQUIREMENTS:

SAMPLE TEAM MEMBERS

	NAME	SIGNATURE	INIT	COMPANY/ORGANIZATION
1.	Dale Flores	[signature]	DF	IT-CORP
2.	~~Ernie Ross~~ B. MATZ	[signature]	BM	↓
3.				

SAMPLE TRACKING

SAMPLE DISTRIBUTION: Enseco Inmate | TRANSPORTED BY: SNL/SMO 744005 | SPECIAL HANDLING:

DATE SHIPPED (MM/DD/YY): 3/25/94 | DATA ENTERED (MM/DD/YY): 3/30/94 | BY: [initials]

REQ. FOR ANALYSIS NO.: 508809 | CHAIN OF CUSTODY NO.: 508809 | PROJECT ID: 301455-14-02

WHITE — TO SA MANAGER, YELLOW — DATA ENTRY COPY, PINK — ORIGINATOR   REV. 12/90   ▒ TO BE COMPLETED BY SAMPLE PROCESSING

ER92001414 ER92001415 ER92001416 ER92001417

ONL ENVIRONMENTAL RESTORATION PROGRAM

National Laboratories

SAMPLE COLLECTION LOG
MULTIPLE SAMPLES

DATE: 3-22-94

SHEET 3 OF 4

GENERAL INFORMATION

WEATHER: Clear / Windy

SAMPLING PROCEDURE REFERENCE: LWDS RFI Work Plan

GENERAL REMARKS:

SAMPLING INFORMATION

ON-SITE CONTACT: Lon Dawson | ORG. 7582 | PHONE 848-0458

AREA: TA-5 | LOCATION: TA-5

SAMPLE DESCRIPTION

MATRIX: ☐ GAS ☐ LIQUID ☐ SLUDGE ☐ SOLID ☐ WATER ☐ OIL ☒ SOIL ☐ HAZ WASTE ☐ OTHER

COLLECTED FROM: ☐ DRUM ☐ TANK ☐ SURFACE WATER ☒ SOIL ☐ WASTEWATER ☐ GROUNDWATER ☐ OTHER

SAMPLE I.D. NUMBER	FRACTION	LOCATION	TIME	SAMPLE TYPE GRAB	SAMPLE TYPE COMP	NUMBER OF CONTAINERS	SAMPLE VOLUME (ml)	CONTAINER TYPE G	CONTAINER TYPE P	PRESERVATIVES	DEPTH BELOW SURFACE (ft)	QC SAMPLE (y/n)	COMMENTS	VOC	SVOC	TAL Metals				INIT.
ER92001414	1	TA3 13H13	1340	X		1	4oz	X		4°C	56	Y	Duplicate of 1413-1	X						[illegible]
↓	2		1340	X		1	16oz	X			↓	Y	Duplicate of 1413-2		X	X				[illegible]
1415	1		1345	X		1	4oz	X			[illegible]	N		X						[illegible]
↓	2		1345	X		1	16oz	X		↓	↓	N			X	X				[illegible]
1416	1		1410			3	40	X		HCl 4°C	N/A	Y	Eqpt. Blank (H_2O matrix)	X						[illegible]
1416	2		1410			2	1 lt.	X		NaOH 4°C	N/A	Y	↓		X					[illegible]
1416	2a		1410			2	500 500	X	X	HNO_3	N/A	Y	↓			X				[illegible]
1417	1	↓	1417			1	4oz	X		4°C	N/A	Y	Soil Blank	X						[illegible]

PROJECT

PROJECT NAME: LWDS Drilling Support | CASE NUMBER: 3624.312 | PROJECT CONTACT: Lon Dawson | ORG. 7582 | PHONE 848-0458

TURNAROUND: ☒ NORMAL ☐ RUSH ☐ OTHER

REGULATORY PROGRAM: RCRA

SPECIAL QC REQUIREMENTS:

SAMPLE TEAM MEMBERS

NAME	SIGNATURE	INIT	COMPANY/ORGANIZATION
1. Dale Flores	[signature]	[illegible]	ITCorp
2. ~~Evan Ross~~ [illegible] B. Mintz	[signature]	[illegible]	↓
3.			

SAMPLE TRACKING

SAMPLE DISTRIBUTION: EA/Bexa/[illegible] | TRANSPORTED BY: FALL/Bmd A44005 | SPECIAL HANDLING:

DATE SHIPPED (MM/DD/YY): 3/25/94 | DATA ENTERED (MM/DD/YY): 3/30/94 | BY: [illegible]

REQ. FOR ANALYSIS NO.: 508809 | CHAIN OF CUSTODY NO.: 508809 | PROJECT ID: 301455.140.02

WHITE — TO SA[…] MANAGER, YELLOW — DATA ENTRY COPY, PINK — ORIGINATOR [..]EV. 12/90 ▒ TO BE COMPLET[..] SAMPLE PROCESSING

ER92001418

National Laboratories

ENVIRONMENTAL PROGRAMS SAMPLE COLLECTION LOG
MULTIPLE SAMPLES

DATE: 3-22-94

SHEET 4 OF 4

GENERAL INFORMATION		
WEATHER: Clear windy	SAMPLING INFORMATION	ON-SITE CONTACT: Len Dawson; ORG. 7582; PHONE 848-0458
SAMPLING PROCEDURE REFERENCE: CWDS RFI Work Plan		AREA: TA-5; LOCATION: TA-5 BH-13
GENERAL REMARKS:		

SAMPLE DESCRIPTION

MATRIX: ☐ GAS ☒ LIQUID ☐ SLUDGE ☐ SOLID ☐ WATER ☐ OIL ☐ SOIL ☐ HAZ WASTE ☐ OTHER Trip

COLLECTED FROM: ☐ DRUM ☐ TANK ☐ SURFACE WATER ☐ SOIL ☐ WASTEWATER ☐ GROUNDWATER ☒ OTHER ~~EQ~~ Blank

SAMPLE I.D. NUMBER	FRACTION	LOCATION	TIME	SAMPLE TYPE GRAB	SAMPLE TYPE COMP	NUMBER OF CONTAINERS	SAMPLE VOLUME (ml)	CONTAINER TYPE G	CONTAINER TYPE P	PRESERVATIVES	DEPTH BELOW SURFACE (ft)	QC SAMPLE (y/n)	COMMENTS	ANALYSES: VOC						INIT.
ER92001418	1	BH-13, TA-5	1420	/		1	40	X		4°, HCl (6674)	N/A	Y	Trip blank	X						[illegible]

PROJECT					
PROJECT NAME: CWDS Drilling Support	CASE NUMBER: 3824.312	PROJECT CONTACT: Len Dawson	ORG. 7582	PHONE 845-0458	
TURNAROUND: ☒ NORMAL ☐ RUSH ☐ OTHER	REGULATORY PROGRAM: RCRA				
SPECIAL QC REQUIREMENTS:					

SAMPLE TEAM MEMBERS

	NAME	SIGNATURE	INIT	COMPANY/ORGANIZATION
1.	Dale Flores	[signature]	[initials]	IT Corp
2.	Barb. Matz	[signature]	BM	↓
3.				

SAMPLE TRACKING

SAMPLE DISTRIBUTION: [illegible]	TRANSPORTED BY: [illegible] A214005	SPECIAL HANDLING:
DATE SHIPPED (MM/DD/YY): 3/23/94	DATA ENTERED (MM/DD/YY): 3/29/94	BY: [illegible]
REQ. FOR ANALYSIS NO.: 508807	CHAIN OF CUSTODY NO.: 508807	PROJECT ID.: 301455-140-02

WHITE — TO SA[...] MANAGER, YELLOW — DATA ENTRY COPY, PINK — ORIGINATOR

REV. 12/90

▒ TO BE COMPLETED [...] SAMPLE PROCESSING

Sandia National Laboratories

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

No: 308 8[illegible]

Department No: [illegible]	Date Samples Shipped:	SMO USE ONLY	Bill to: Sandia National Laboratories, Supplier Services Department 0154, P.O. Box 5800, Albuquerque, NM 87185
Project/Task Manager: [illegible]	Carrier/Waybill No:		
Project Name: [illegible]	Lab Destination:		
Sample Team Members: [illegible]	Lab Contact:		Contract No: [illegible]
[illegible]	SMO Contact/Phone:		
Burt Mintz [illegible]	Send Report to SMO:		Case No: [illegible]
	SMO Reference No:		SMO Authorization: [illegible]

Sample Number	Sample Type	Date/Time Collected	Container Type	Sample Volume	Preservative	Requested Testing Program	QC	Lab Sample Number	Condition on Receipt
ER 9200 1406-1	Soil	[illegible] 1150	[illegible]	4 oz	[illegible]	VOC 8240	N	FOR LAB USE ONLY	
↓ -2		↓		16 oz		8270 SVOC, TAL Metals 6010 7000			
1407-1		1153		4 oz		VOC [illegible]			
-2		↓		16 oz		8270 SVOC, TAL Metals 6010 7000			
1408-1		1200		4 oz		VOC 8240			
-2		↓		16 oz		8270 SVOC, TAL Metals 6010 7000			
1409-1		1202		4 oz		VOC 8240			
↓ -2		↓		16 oz		8270 SVOC, TAL Metals 6010 7000			
1410-1		1210		4 oz		VOC 8240			
↓ -2		↓		16 oz		8270 SVOC, TAL Metals 6010 7000			
1411-1	↓	1213	↓	4 oz	↓	VOC 8240	↓		

Possible Hazard Identification
Non-hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Other ☐

Turnaround Time
Normal ☑ Rush ☐ Required Report Date

Sample Disposal
Return to Client ☐ Disposal by Lab ☑ Archive Until

Special Instructions/QC Requirements
Please Sample for the following
VOCs 8240/SVOCs 8270/Total Metals 6010, 7000

Log As Separate Job

1. Relinquished by [illegible]	Org [illegible]	Date [illegible]	Time [illegible]	4. Relinquished by	Org	Date	Time
1. Received by [illegible]	Org [illegible]	Date [illegible]	Time [illegible]	4. Received by	Org	Date	Time
2. Relinquished by [illegible]	Org [illegible]	Date [illegible]	Time [illegible]	5. Relinquished by	Org	Date	Time
2. Received by	Org	Date	Time	5. Received by	Org	Date	Time
3. Relinquished by	Org	Date	Time	6. Relinquished by	Org	Date	Time
3. Received by	Org	Date	Time	6. Received by	Org	Date	Time

301540.20.04P1

White-To Accompany Samples, Laboratory Copy   Blue-To Accompany Samples, Return to SMO   Pink-Field/Purchasing Copy   Rev 0 10/92

S[redacted]a National Laboratories

ANALYSIS RE[redacted]EST AND CHAIN OF CUSTOD[redacted]RECORD (cont.)

NO: 50884[redacted]

Page 2 [redacted] 2

Project Name: [illegible] Project/Task Manager: [illegible] Case Number: [illegible]

Sample Number	Sample Type	Date/Time Collected	Container Type	Sample Volume	Preservative	Requested Testing Program	QC	Lab Sample Number	Condition on Receipt
[illegible] 1411-2	Soil	[illegible] 1217	glass	16oz	4°C	8270 SVOC TAL Metals 6010	NO		
1412-1	↓	1230	↓	4oz	↓	VOC 8240	↓		
↓-2	↓	↓	↓	16oz	↓	8270 SVOC TAL Metals 6010	↓		
1413-1	↓	[illegible]	↓	4oz	↓	VOC 8240	MS MSD		
↓-2	↓	↓	↓	16oz	↓	8270 SVOC TAL Metals 6010	MS MSD		
1414-1	↓	1440	↓	4oz	↓	VOC 8240	NO		
↓-2	↓	↓	↓	16oz	↓	8270 SVOC TAL Metals 6010	↓		
1415-1	↓	1445	↓	4oz	↓	VOC 8240	↓		
↓-2	↓	↓	↓	16oz	↓	8270 SVOC TAL Metals 6010	↓		
1416-1	WATER	1410	Glass	3x40ml	HCl	VOC 8240	YES		
↓-2	↓	↓	Glass	2x1liter	4°C	8270 SVOC 8270	↓		
↓-2B	↓	↓	[illegible] Poly	[illegible]	[illegible]	TAL Metals 6010	↓		
1417-1	Soil	1410	glass	4oz	[illegible]	VOC 8240	↓		
1418-1	WATER	1420	↓	40ml	HCl	VOC 8240	↓		
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FOR LAB USE ONLY

361540 20.04 P2

White-To Accompany Samples, Laboratory Copy — Blue-To Accompany Samples, Return to SMO — Pink-Field/Puchasing Copy — Rev 0 10/92

Sandia National Laboratories

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

No: 508687

Page 1 of 1

Department No:	7582
Project/Task Manager:	[illegible] Dawson
Project Name:	LWDS Drilling Supp
Sample Team Members:	D. Flores DJF; E. Ross ER
Date Samples Shipped:	
Carrier/Waybill No:	
Lab Destination:	TMA/Eberline
Lab Contact:	Jim Lozito
SMO Contact/Phone:	262-8800
Send Report to SMO:	Mark Lyon
SMO Reference No:	301455-140-02

Bill to: Sandia National Laboratories
Supplier Services Department 0154
P.O. Box 5800
Albuquerque, NM 87185

Contract No: 12-0841B

Case No: 3624-342

SMO Authorization: [signature]

Sample Number	Sample Type	Date/Time Collected	Container Type	Sample Volume	Preservative	Requested Testing Program	QC	Lab Sample Number	Condition on Receipt
ER9200 1384-3	soil	3/21/94 1450	1-lit Poly	1 lit	NONE	Tritium	N	9403216-02	OK
~~↓ 1385-3~~	~~↓~~	~~3/21/94 1455~~	~~↓~~	~~↓~~	~~↓~~	~~Tritium~~	~~N~~		
ER9200140[illegible]-3	Soil	3/21/94 1230	Poly	1 ltr.	NONE	Tritium	N	9403216-01	OK

DJF 3/21/94 [illegible]

TMA/E[illegible]LINE ALBUQUERQ[illegible] LAB

Possible Hazard Identification
Non-hazard ☒ Flammable ☐ Skin Irritant ☐ Poison B ☐ Other ☐

Turnaround Time
Normal ~~☒~~ ER Rush ☒ Required Report Date Per Contract

Sample Disposal
Return to Client ☒ Disposal by Lab ☐ Archive Until Per contract

Special Instructions/QC Requirements
24 hr. Turnaround required.

		Org	Date	Time
1. Relinquished by	[signature]	ITC	[illegible]	1750
1. Received by	Jim Lozito	TMA/Eberline	3/21/94	1750
2. Relinquished by				
2. Received by				
3. Relinquished by				
3. Received by				
4. Relinquished by				
4. Received by				
5. Relinquished by				
5. Received by				
6. Relinquished by				
6. Received by				

White-To Accompany Samples, Lab[illegible] Copy — Blue-To Accompany Samples, Return to SMO — Pink-Field/Purchasing Copy

Rev 0 10/92

301540.20.04 P1

...ational Laboratories

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

No: 508810

Page 1 of 2

Department No: 7582
Project/Task Manager: LON DAWSON
Project Name: LWRS RFI
Sample Team Members: Dale Flores, Ernie Ross

Date Samples Shipped: 3-28-94
Carrier/Waybill No: A44029
Lab Destination: Test America
Lab Contact: Jim Roberts
SMO Contact/Phone: 332-8800
Send Report to SMO: Mark Lyon
SMO Reference No: 301455.140.02

Bill to: Sandia National Laboratories, Supplier Services Department 0154, P.O. Box 5800, Albuquerque, NM 87185
Contract No: 12-0841B
Case No: 3624.312
SMO Authorization: Mark Lyon

Sample Number	Sample Type	Date/Time Collected	Container Type	Sample Volume	Preservative	Requested Testing Program	QC	Lab Sample Number	Comments
LE29200140G-3	SOIL	3/24/94 1150	Poly	1. LIT	NONE	Tritium	NO	9403338-01	
↓-4		1150		500		GAMMA		02	
1407-3		1153		1 Lit		Tritium		03	
↓-4		1153		500		GAMMA		04	
1408-3		1206		1 Lit		Tritium		05	
↓-4		1206		500		GAMMA		06	
1402-3		1203		1 Lit		Tritium		07	
↓-4		1203		500		GAMMA		08	
1410-3		1210		1 Lit		Tritium		09	
↓-4		1210		500		GAMMA		10	
↓ 1411-3	↓	↓ 1213	↓	1 Lit	↓	Tritium	↓	11	

Possible Hazard Identification
Non-hazard ☒ Flammable ☐ Skin Irritant ☐ Poison B ☐ Other ☐

Turnaround Time
Normal ☒ Rush ☐ Required Report Date Per contract

Sample Disposal
Return to Client ☒ Disposal by Lab ☐ Archive Until per contract

Special Instructions/QC Requirements

	Org	Date	Time		Org	Date	Time
1. Relinquished by Dale J. Flores	SNL 7576	3/25/94	0708	4. Relinquished by			
1. Received by D. Moyle	SNL 7576	3/25/94	0708	4. Received by			
2. Relinquished by D. Moyle	SNL 7576	3/28/94	15:00	5. Relinquished by			
2. Received by M Bailey	TMA	3/28/94	15:00	5. Received by			
3. Relinquished by				6. Relinquished by			
3. Received by				6. Received by			

White-T... Company Samples, Laboratory Copy — Blue-To Accompany Samples, Return to SMO — Pink-Field/Purchasing C...

Rev 0 10/92

30150 20.04 P1

...onal Laboratories

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD (cont.)

No: 568810

Page 2 of 2

Project Name: LLNDS RFI   Project/Task Manager: LON DAWSON   Case Number: 3624.312

Sample Number	Sample Type	Date/Time Collected	Container Type	Sample Volume	Preservative	Requested Testing Program	QC	[illegible]	Condition on [illegible]
1411 - 4	Soil	3/22/04 1213	Poly	500	NONE	GAMMA SPEC	NO	12	
1412 - 3	↓	1230	↓	1 lit	↓	Tritium	↓	13	
↓ - 4		1232		500		GAMMA SPEC.		14	
1413 - 3		1335		1 lit		Tritium		15	
↓ - 4		↓		500		GAMMA SPEC.		16	
1414 - 3		1340		1 lit		Tritium		17	
↓ - 4		↓		500		GAMMA SPEC		18	
1415 - 3		1345		1 lit		Tritium		19	
↓ - 4	↓	↓	↓	500		GAMMA SPEC.	↓	20	
1416 - 3		1410	Glass	1×750ml	↓	Tritium	Yes	9403335-01	
↓ - 4	↓	↓	Poly	1×1 lit	HNO_3	GAMMA SPEC.	Yes	02	

Sandia National Laboratories

ENVIRONMENTAL PROGRAMS SAMPLE COLLECTION LOG

MULTIPLE SAMPLES

DATE: 3-23-94

SHEET 1 OF 6

GENERAL INFORMATION

WEATHER: sun, wind

SAMPLING PROCEDURE REFERENCE: LWDS RFI Work Plan

GENERAL REMARKS:

SAMPLING INFORMATION — ON-SITE CONTACT: LON DAWSON; ORG. 7582; PHONE 848-0458; AREA LWDS; LOCATION: LWDS ~~BH-10~~ BH-14

SAMPLE DESCRIPTION

MATRIX: ☐ GAS ☐ LIQUID ☐ SLUDGE ☐ SOLID ☐ WATER ☐ OIL ☒ SOIL ☐ HAZ WASTE ☐ OTHER

COLLECTED FROM: ☐ DRUM ☐ TANK ☐ SURFACE WATER ☒ SOIL ☐ WASTEWATER ☐ GROUNDWATER ☐ OTHER core

SAMPLE I.D. NUMBER	FRACTION	LOCATION	TIME	GRAB	COMP	NUMBER OF CONTAINERS	SAMPLE VOLUME (ml)	G	P	PRESERVATIVES	DEPTH BELOW SURFACE (ft)	QC SAMPLE (y/n)	COMMENTS	VOC	SVOC	TAL Metals				INIT.
ER9CO 1419	1	TA-3, BH-14	0824	X		1	4oz	X		4°C	25			X						BM EK
↓	2	↓	0824	↓		↓	16oz	↓		↓	25	↓			X	X				BM EK
1420	1		0827				4oz				30	Y	MS/MSD (rule 5/09/94)	X						BM EK
↓	2		0827				16oz				30	Y	MS/MSD		X	X				BM EK
1421	1		0830				4oz				32.5			X						BM EK
↓	2		0830				16oz				32.5				X	X				BM EK
1422	1		0835				4oz				35			X						BM EK
↓	2	↓	0835	↓		↓	16oz	↓		↓	35	↓			X	X				BM EK

PROJECT

PROJECT NAME: LWDS Drilling support; CASE NUMBER: 3624.312; PROJECT CONTACT: LON DAWSON; ORG. 7582; PHONE 848-0458

TURNAROUND: ☒ NORMAL ☐ RUSH ☐ OTHER

REGULATORY PROGRAM: 3624.312

SPECIAL QC REQUIREMENTS:

SAMPLE TEAM MEMBERS

NAME	SIGNATURE	INIT	COMPANY/ORGANIZATION
1. Dale Flores	Dale J. Flo	DJF	FT-CORP
2. Ernie Ross	Ernie Ross	EK	↓
3. ~~Tim Jackson~~ B. Matz	BMatz	BM	↓

SAMPLE TRACKING

SAMPLE DISTRIBUTION: ERSELO / RMAL

TRANSPORTED BY: ... A-44010

SPECIAL HANDLING:

DATE SHIPPED (MM/DD/YY): 3/24/94

DATA ENTERED (MM/DD/YY): 3/30/94 BY: [illegible]

REQ. FOR ANALYSIS NO: 5084/26

CHAIN OF CUSTODY NO.: 508426

PROJECT ID: 30145J.140.02

Sandia National Laboratories

ENVIRONMENTAL PROGRAMS SAMPLE COLLECTION LOG
MULTIPLE SAMPLES

DATE: 3-23-94

SHEET 7 OF 6

GENERAL INFORMATION

WEATHER: Sun, Wind

SAMPLING PROCEDURE REFERENCE: LWDS RFI Workplan

GENERAL REMARKS:

SAMPLING INFORMATION — ON-SITE CONTACT: LON DAWSON; ORG. 7582; PHONE 848-0458; AREA: TA V; LOCATION: BH 14

SAMPLE DESCRIPTION

MATRIX: ☐ GAS ☐ LIQUID ☐ SLUDGE ☐ SOLID ☐ WATER ☐ OIL ☒ SOIL ☐ HAZ WASTE ☐ OTHER

COLLECTED FROM: ☐ DRUM ☐ TANK ☐ SURFACE WATER ☒ SOIL ☐ WASTEWATER ☐ GROUNDWATER ☐ OTHER Sonic Core

SAMPLE I.D. NUMBER	FRACTION	LOCATION	TIME	SAMPLE TYPE GRAB	SAMPLE TYPE COMP	NUMBER OF CONTAINERS	SAMPLE VOLUME (oz.)	CONTAINER TYPE G	CONTAINER TYPE P	PRESERVATIVES	DEPTH BELOW SURFACE (ft)	QC SAMPLE (y/n)	COMMENTS	VOC	SVOC	TAL Metals	INT.
ER9200 1423	1	TA-5, BH-14	0930	X		1	4	X		4°C	37.5	No		X			BM EA
↓	2	↓	0930	↓		↓	16	↓		↓	37.5	↓			X	X	BM EA
1424	1		0935				4				40			X			BM EA
↓	2		0935				16				40				X	X	BM EA
1425	1		1000				4				45			X			BM EA
↓	2		1000				16				45				X	X	BM EA
1426	1		1013				4				50			X			BM EA
↓	2	↓	1013	↓		↓	16	↓		↓	50	↓			X	X	BM EA

PROJECT

PROJECT NAME: LWDS Drilling Support; CASE NUMBER: 3624.312; PROJECT CONTACT: LON DAWSON; ORG. 7582; PHONE 848-0458

TURNAROUND: ☒ NORMAL ☐ RUSH ☐ OTHER ____ ; REGULATORY PROGRAM: RCRA

SPECIAL QC REQUIREMENTS:

SAMPLE TEAM MEMBERS

	NAME	SIGNATURE	INIT	COMPANY/ORGANIZATION
1.	Dale Flores	Dale J. Flores		IT-Corp
2.	Ernie Ross	Ernie Ross	EA	IT-Corp
3.	B. Matz	B. Matz	BM	IT Corp.

SAMPLE TRACKING

SAMPLE DISTRIBUTION: Quanterra / Arnold — D A44010

TRANSPORTED BY: SNL / SMO

SPECIAL HANDLING:

DATE SHIPPED (MM/DD/YY): 3/28/94

DATA ENTERED (MM/DD/YY): 3/30/94 BY: [illegible]

REQ. FOR ANALYSIS NO.: 508426

CHAIN OF CUSTODY NO.: 508426

PROJECT ID: 301455.140.02

WHITE — TO SAMPLE MANAGER, YELLOW — DATA ENTRY COPY, PINK — ORIGINATOR

REV. 12/90

▒ TO BE COMPLETED BY SAMPLE PROCESSING

Sandia National Laboratories

ENVIRONMENTAL PROGRAMS SAMPLE COLLECTION LOG
MULTIPLE SAMPLES

DATE: 3-23-94

SHEET 3 OF 6 (BM 3/23/94)

GENERAL INFORMATION

WEATHER: Sun, Wind

SAMPLING PROCEDURE REFERENCE: LWDS RFI WorkPlan

GENERAL REMARKS:

SAMPLING INFORMATION: ON-SITE CONTACT: Lon Dawson | ORG. 7582 | PHONE 848-0458

AREA: TA V | LOCATION: BH 14

SAMPLE DESCRIPTION

MATRIX: ☐ GAS ☐ LIQUID ☐ SLUDGE ☐ SOLID ☐ WATER ☐ OIL ☒ SOIL ☐ HAZ WASTE ☐ OTHER

COLLECTED FROM: ☐ DRUM ☐ TANK ☐ SURFACE WATER ☒ SOIL ☐ WASTEWATER ☐ GROUNDWATER ☐ OTHER Sonic Core

SAMPLE I.D. NUMBER	FRACTION	LOCATION	TIME	SAMPLE TYPE GRAB	SAMPLE TYPE COMP	NUMBER OF CONTAINERS	SAMPLE VOLUME (oz)	CONTAINER TYPE G	CONTAINER TYPE P	PRESERVATIVES	DEPTH BELOW SURFACE (ft)	QC SAMPLE (y/n)	COMMENTS	ANALYSES: VOC	SVOC	TAL Metals	INIT.
ER92001427	1	TA5, BH-14	1020	X		1	4	X		4°C	55	no					BM EK
1427	2	↓	1020	↓		↓	16	↓		↓	55	↓					BM EK
1428	1		1030				4				60						BM EK
1428	2		1030				16				60	↓					BM EK
1429	1		1035				4				60	yes	Dup. at 60ft. Dup. of 1428-1	X			BM EK
1429	2	↓	1035			↓	16				60		Dup of 1428-2		X	X	BM EK
1430	1	Equip.	1220			3	40 mL				Ø		H2O Matrix	X			BM EK
1430	2	Blank	1220	↓		2	1L	↓		↓	Ø	↓	↓		X		BM EK

PROJECT

PROJECT NAME: LWDS Drilling Support | CASE NUMBER: 3624.312 | PROJECT CONTACT: Lon Dawson | ORG. 7582 | PHONE 848-0458

TURNAROUND: ☒ NORMAL ☐ RUSH ☐ OTHER | REGULATORY PROGRAM: RCRA

SPECIAL QC REQUIREMENTS:

SAMPLE TEAM MEMBERS

NAME	SIGNATURE	INIT	COMPANY/ORGANIZATION
1. Dale Flores	Dale J. Flores	DF	IT-Corp
2. Ernie Ross	Ernie Ross	EK	IT-Corp
3. B. Matz	B Matz	BM	IT Corp.

SAMPLE TRACKING

SAMPLE DISTRIBUTION: ENSECO/RMAL | TRANSPORTED BY: SNL Fed Ex A44 010 | SPECIAL HANDLING:

DATE SHIPPED (MM/DD/YY): 3/23/94 | DATA ENTERED (MM/DD/YY): 4/20/94 | BY: [illegible]

REQ. FOR ANALYSIS NO.: F508426 | CHAIN OF CUSTODY NO.: 508426 | PROJECT ID: 301455.140.02

Sandia National Laboratories

ENVIRONMENTAL PROGRAMS SAMPLE COLLECTION LOG
MULTIPLE SAMPLES

DATE: 3-23-94

SHEET 5 OF 6

GENERAL INFORMATION

WEATHER: Sunny Windy 60s-70s

SAMPLING PROCEDURE REFERENCE: LWDS RFI Work Plan

GENERAL REMARKS:

SAMPLING INFORMATION

ON-SITE CONTACT: LON DAWSON | ORG. 7582 | PHONE 848-0458

AREA: TA-5 | LOCATION: BH-14, BH-15

SAMPLE DESCRIPTION

MATRIX: ☐ GAS ☐ LIQUID ☐ SLUDGE ☐ SOLID ☐ WATER ☐ OIL ☒ SOIL ☐ HAZ WASTE ☐ OTHER

COLLECTED FROM: ☐ DRUM ☐ TANK ☐ SURFACE WATER ☐ SOIL ☐ WASTEWATER ☐ GROUNDWATER ☐ OTHER

SAMPLE I.D. NUMBER	FRACTION	LOCATION	TIME	SAMPLE TYPE: GRAB	SAMPLE TYPE: COMP	NUMBER OF CONTAINERS	SAMPLE VOLUME (oz)	CONTAINER TYPE: G	CONTAINER TYPE: P	PRESERVATIVES	DEPTH BELOW SURFACE (ft)	QC SAMPLE (y/n)	COMMENTS	ANALYSES: VOC	ANALYSES: SVOC	ANALYSES: TAL Metals				INIT.
ER92001435	2	TA5, BH-15	1630	X		1	~~4~~ 16	X		4°C	25	NO			X	X				BM SF
1436	1	↓	1650	↓		↓	~~16~~ 4	↓		↓	35	~~NO~~ NO	MS/MSD	X						BM SF
1436	2	↓	1650	↓		↓	16	↓		↓	35	~~NO~~ NO	MS/MSD		X	X				BM SF
1437	1	↓	1655	↓		↓	4	↓		↓	40	NO		X						BM SF
1437	2	↓	1655	↓		↓	16	↓		↓	40	↓			X	X				BM SF
1438	1	↓	1657	↓		↓	4	↓		↓	50	↓		X						BM SF
1438	2	↓	1657	↓		↓	16	↓		↓	50	↓			X	X				BM SF
↓ 1439	1	↓	1700	↓		↓	4	↓		↓	50	yes	Dup.	X						BM SF

PROJECT

PROJECT NAME: LWDS Drilling Support | CASE NUMBER: 3264.312 | PROJECT CONTACT: LON DAWSON | ORG. 7582 | PHONE 8480458

TURNAROUND: ☒ NORMAL ☐ RUSH ☐ OTHER | REGULATORY PROGRAM: RCRA

SPECIAL QC REQUIREMENTS:

SAMPLE TEAM MEMBERS

	NAME	SIGNATURE	INIT	COMPANY/ORGANIZATION
1.	D. Flores	Dale J. Flores	DF	IT Corp
2.		[signature]	SF	↓
3.	B. Matz	B Matz	BM	IT Corp.

SAMPLE TRACKING

SAMPLE DISTRIBUTION: Quanterra | TRANSPORTED BY: SNL/SMO | 0A44610 | SPECIAL HANDLING:

DATE SHIPPED (MM/DD/YY): 3/28/94 | DATE ENTERED (MM/DD/YY): 3/30/94

REQ. FOR ANALYSIS NO.: 508426 | CHAIN OF CUSTODY NO.: 508426 | PROJECT I.D.: 3055.14002

WHITE — TO SAMPLE MANAGER, YELLOW — DATA ENTRY COPY, PINK — ORIGINATOR REV. 12/90 ▒ TO BE COMPLETED BY SAMPLE PROCESSING

Sandia National Laboratories

ENVIRONMENTAL PROGRAMS SAMPLE COLLECTION LOG
MULTIPLE SAMPLES

DATE: 3-23-94

SHEET 6 OF 6

GENERAL INFORMATION

WEATHER: Windy Sunny 60s- 70s

SAMPLING PROCEDURE REFERENCE: LWDS RFI Work Plan

GENERAL REMARKS:

SAMPLING INFORMATION — ON-SITE CONTACT: Con Dawson; ORG. 7582; PHONE 848-0408; AREA TA-5; LOCATION BH-14, BH-15

SAMPLE DESCRIPTION

MATRIX: ☐ GAS ☐ LIQUID ☐ SLUDGE ☐ SOLID ☐ WATER ☐ OIL ☒ SOIL ☐ HAZ WASTE ☐ OTHER

COLLECTED FROM: ☐ DRUM ☐ TANK ☐ SURFACE WATER ☒ SOIL ☐ WASTEWATER ☐ GROUNDWATER ☐ OTHER

SAMPLE I.D. NUMBER	FRACTION	LOCATION	TIME	SAMPLE TYPE GRAB	SAMPLE TYPE COMP	NUMBER OF CONTAINERS	SAMPLE VOLUME (ml)	CONTAINER TYPE G	CONTAINER TYPE P	PRESERVATIVES	DEPTH BELOW SURFACE (ft)	QC SAMPLE (y/n)	COMMENTS	VOC	SVOC	TAL Metals	INT.
ER92001439	2	TA5, BH15	1700	X		1	16	X		4°C	50	yes	Dup.		X	X	BM EK
↓ 1440	1	↓	1750 ~~1740~~	↓		3	40	X		HCl	Ø	yes	Equip Blank	X			DF EK
1440	2		1740			2	1L	X		none	Ø	yes	↓		X		DF EK
↓ 1440	2A	↓ ↓	1740	↓		2	500	X	X	HNO3	Ø	yes	↓			X	DF EK

PROJECT

PROJECT NAME: LWDS Drilling Support; CASE NUMBER: 3624.312; PROJECT CONTACT: Con Dawson; ORG. 7584; PHONE 8440458

TURNAROUND: ☒ NORMAL ☐ RUSH ☐ OTHER

REGULATORY PROGRAM: RCRA

SPECIAL QC REQUIREMENTS:

SAMPLE TEAM MEMBERS

	NAME	SIGNATURE	INT	COMPANY/ORGANIZATION
1.	D. Flores	[signature]	DF	FJ-Corp
2.	E. Russ	[signature]	EK	FJ Corp
3.	B Matz	[signature]	BM	IT Corp.

SAMPLE TRACKING

SAMPLE DISTRIBUTION: Chem; TRANSPORTED BY: A44010; SPECIAL HANDLING:

DATE SHIPPED (MM/DD/YY): 3/28/94; DATA ENTERED (MM/DD/YY): 3/31/94; BY: [initials]

REQ. FOR ANALYSIS NO.: 508426; CHAIN OF CUSTODY NO.: 508426; PROJECT ID: 301455.140.02

WHITE — TO SAMPLE MANAGER, YELLOW — DATA ENTRY COPY, PINK — ORIGINATOR   REV. 12/90   ▒ TO BE COMPLETED BY SAMPLE PROCESSING

Sandia National Laboratories

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

No: 30942

Department No: 7502
Project/Task Manager: [illegible]
Project Name: [illegible]
Sample Team Members: [illegible]
E. Matz BM

Date Samples Shipped:
Carrier/Waybill No:
Lab Destination:
Lab Contact:
SMO Contact/Phone:
Send Report to SMO:
SMO Reference No:

SMO USE ONLY

Bill to: Sandia National Laboratories
Supplier Services Department 0154
P.O. Box 5800
Albuquerque, NM 87185
Contract No: [illegible]
Case No: [illegible]
SMO Authorization: Called from

Sample Number	Sample Type	Date/Time Collected	Container Type	Sample Volume	Preservative	Requested Testing Program	QC	Lab Sample Number	Condition on Receipt
TA200 1419-1	SOIL	8/23/0824	6	4	4°C	VOC			
1419-2		0824		16		SVOC, TAL Metals			
1420-1		0827		4		VOC			
1420-2		0827		16		SVOC, TAL Metals			
1421-1		0830		4		VOC			
1421-2		0830		16		SVOC, TAL Metals			
1422-1		0835		4		VOC			
1422-2		0835		16		SVOC, TAL Metals			
1423-1		0930		4		VOC			
1423-2		0930		16		SVOC, TAL Metals			
1424-1	↓	0935	↓	4	↓	VOC	↓		

FOR LAB USE ONLY

Possible Hazard Identification
Non-hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Other ☐ _____

Turnaround Time
Normal ☐ Rush ☐ Required Report Date [illegible]

Sample Disposal
Return to Client ☐ Disposal by Lab ☐ Archive Until [illegible]

Special Instructions/QC Requirements
VOC - Methyl 8240
SVOC - 8270
TAL Metals Lead, Thallium

	Org	Date	Time		Org	Date	Time
1. Relinquished by	[illegible]	[illegible]	[illegible]	4. Relinquished by			
1. Received by	MO7576	8-24-11	0815	4. Received by			
2. Relinquished by	MO7576	8/24/11	1400	5. Relinquished by			
2. Received by				5. Received by			
3. Relinquished by				6. Relinquished by			
3. Received by				6. Received by			

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Rev 0 10/92

9015540.20.04#1

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ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD (cont.)

No: 508426

Project Name: UOBS Drilling   Project/Task Manager: L. Dawson   Case Number: 7624.212

Sample Number	Sample Type	Date/Time Collected	Container Type	Sample Volume	Preservative	Requested Testing Program	QC	Lab Sample Number	Condition on Receipt
ER1200 1424-2	SOIL	2-23/0935	G.	16 oz	4°C	SVOC, TAL Metals	✓		
1425-1	↓	1000		4 oz		VOC			
1425-2		1000		16 oz		SVOC, TAL Metals			
1426-1		1013		4 oz		VOC			
1426-2		1013		16		SVOC, TAL Metals			
1427-1		1020		4		VOC			
1427-2		1020		16		SVOC, TAL Metals			
1428-1		1030		4		VOC			
1428-2		1030		16		SVOC, TAL Metals			
1429-1		1035		4		VOC			
1429-2	↓	1035		16		SVOC, TAL Metals	↓		
1430-1	WATER	1220		3x40ml	HCl	VOC	✓		
1430-2		1220		2x1L		SVOC			
1430-29		1220	G+P	2x500ml	HNO3	TAL Metals			
1431-1	↓	N/A	G	40ml	HCl	VOC			
1432-1	SOIL	N/A		4 oz.	↓	VOC	↓		
1433-1		1310		4	4°C	VOC	✓		
1433-2		1310		16		SVOC, TAL Metals.			
1434-1		1515		4		VOC			
1434-2		1515		16		SVOC, TAL Metals			
1435-1		1630		4		~~SVOC~~ VOC			
1435-2		1630		16		SVOC, TAL Metals	↓		
1436-1		1650		4.		VOC	[illegible]		
1436-2		1650		16		SVOC, TAL Metals	[illegible]		
1437-1	↓	1655	↓	4	↓	VOC	✓		

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ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD (cont.)

NO: 508[illegible] Page 3

Project Name: [illegible] Project/Task Manager: [illegible] Case Number: [illegible]

Sample Number	Sample Type	Date/Time Collected	Container Type	Sample Volume	Preservative	Requested Testing Program	QC	Lab Sample Number	Condition on Receipt
ER4200 1437-2	SOIL	3/23/1655	G	16oz	4°C	SVOC, TAL Metals	N		
1438-1	↓	1657	↓	4		VOC	↓		
1438-2		1657		16		SVOC, TAL Metals			
1439-1		1700		4		VOC			
1439-2	↓	1700		16		SVOC TAL Metals	↓		
1440-1	Water	1740 ~~1740~~		3X40	HCl	VOC	Y		
1440-2	↓	~~1740~~	↓	2X1L	4°C	SVOC	↓		
1440-2A	↓	↓ 17[illegible]	P+G	2X500	HNO3	TAL Metals, Mercury	↓		

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ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

No: 508685

Page 1 of 3

415

Department No: 7582
Project/Task Manager: Lan Dawson
Project Name: LWDS Drilling Supp
Sample Team Members: D. Flores DF, E. Ross ER, B. Metz BM

Date Samples Shipped: 3/28/94
Carrier/Waybill No: A440829
Lab Destination: TMA/Eberline
Lab Contact: Jim Lezito
SMO Contact/Phone: 262-5800
Send Report to SMO: Mark Lyon
SMO Reference No: 301455-140-02

Bill to: Sandia National Laboratories
Supplier Services Department 0154
P.O. Box 5800
Albuquerque, NM 87185

Contract No: 12-0841B
Case No: 3624-312
SMO Authorization: [signature]

Sample Number	Sample Type	Date/Time Collected	Container Type	Sample Volume	Preservative	Requested Testing Program	QC	Lab Sample Number	Condition on Receipt
ER92001419-3	SOIL	3/23/0824	P	1L	none	Tritium	NO		ok
1419-4		0824		500mL		Gamma			
1420-3		0827		1L		Tritium			
1420-4		0827		500mL		Gamma			
1421-3		0830		1L		Tritium			
1421-4		0830		500mL		Gamma			
1422-3		0835		1L		Tritium			
1422-4		0835		0.5L		Gamma			
1423-3		0930		1L		Tritium			
1423-4		0930		0.5L		Gamma			
1424-3	↓	↓ 0935	↓	1L	↓	Tritium.	↓		

Possible Hazard Identification
Non-hazard ☒ Flammable ☐ Skin Irritant ☐ Poison B ☐ Other ☐ ______

Turnaround Time
Normal ☒ Rush ☐ Required Report Date: Per Contract

Sample Disposal
Return to Client ☒ Disposal by Lab ☐ Archive Until: Per Contract

Special Instructions/QC Requirements

	Name	Org	Date	Time
1. Relinquished by	[signature]	7713	3-24-94	0820
1. Received by	D. M. [signature]	SMO 7576	3-24-94	0820
2. Relinquished by	D. M. [signature]	SMO 7576	3/28/94	1500
2. Received by	[signature]	TMA	3/28/94	1500
3. Relinquished by				
3. Received by				
4. Relinquished by				
4. Received by				
5. Relinquished by				
5. Received by				
6. Relinquished by				
6. Received by				

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3015-00.20.04 P1

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ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD (cont.)

No: 508685

Project Name: LWDS Drilling Project/Task Manager: L. Dawson Case Number: 3624.312

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Sample Number	Sample Type	Date/Time Collected	Container Type	Sample Volume	Preservative	Requested Testing Program	QC	Lab Sample Number	Condition on Receipt
ER9200 1424.4	SOIL	3-23/0935	P	0.5L	none	Gamma	NO		ok
1425.3		1000		1L		Tritium			
1425.4		1000		0.5L		Gamma			
1426.3		1013		1L		Tritium			
1426.4		1013		0.5L		Gamma			
1427.3		1020		1L		Tritium			
1427.4		1020		0.5L		Gamma			
1428.3		1030		1L		Tritium			
1428.4		1030		0.5L		Gamma	↓		
1429.3		1035		1L		Tritium	NO		
1429.4	↓	1035		0.5L		Gamma	NO		
1430.3	water	1220	~~P~~ G	0.5L		Tritium	YES		
1430.4	water	1220	~~G~~ P	1L		Gamma	YES		
1433.3	SOIL	1940	P	1L		Tritium	NO		
1433.4		1940		0.5L		Gamma	MS MSD		
1434.3		1915		1L		Tritium			
1434.4		1915		0.5L		Gamma			
1435.3		1630		1L		Tritium			
1435.4		1630		0.5L		Gamma			
1436.3		1650		1L		Tritium			
1436.4		1650		0.5L		Gamma			
1437.3		1655		1L		Tritium			
1437.4		1655		0.5L		GAMMA			
1438.3		1657		1L		TRITIUM			
1438.4		1657		0.5L		GAMMA	↓		

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ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD (cont.)

No: 508685

Project Name: Lon Dawson Project/Task Manager: LWDS Drilling Case Number: 3624.312

Sample Number	Sample Type	Date/Time Collected	Container Type	Sample Volume	Preservative	Requested Testing Program	QC	Lab Sample Number	Condition on Receipt
ER92001439.3	SOIL	3-23/1700	P	1L	none	Tritium	NO		OK
1439.4	SOIL	1700	P	0.5L		Gamma	↓		
1440.3	water	1740	G	0.5L		Tritium	YES		
1440.4	water	↓ 1740	P	1L	↓	Gamma	YES		

30154.20/04 P2

White-To Accompany Samples, Laboratory Copy Blue-To Accompany Samples, Return to SMO Pink-Field/Purchasing Copy Rev 0 10/92

Attachment B
1994 and 2001 Analytical Results

Table B-1
Summary of VOC Analytical Results for SWMU 5 Soil Sampling
March 1994
(Off-Site Laboratory)

Sample Attributes			VOCs (EPA Method 8240[a]) (µg/kg)				
Record Number[b]	ER Sample ID	Sample Depth(ft)	2-Butanone	Acetone	Methylene chloride	Toluene	Trichloroethene
508618	LWDS-05-BH11	25	ND (10)	14	3.5 J (5)	ND (5)	ND (5)
508618	LWDS-05-BH11	30	2.2 J (10)	20	2.3 J (5)	3.4 J (5)	ND (5)
508618	LWDS-05-BH11	32.5	ND (10)	12	3 J (5)	ND (5)	ND (5)
508618	LWDS-05-BH11	35	ND (10)	ND (10)	3.9 J (5)	ND (5)	ND (5)
508618	LWDS-05-BH11	37.5	ND (10)	6 J (10)	1.6 J (5)	2 J (5)	ND (5)
508618	LWDS-05-BH11	40	ND (10)	23	2 J (5)	ND (5)	3.8 J (5)
508618	LWDS-05-BH11	42.5	ND (10)	11	2 J (5)	ND (5)	ND (5)
508618	LWDS-05-BH11	45	ND (10)	10	1.7 J (5)	ND (5)	ND (5)
508618	LWDS-05-BH11	47.5	ND (10)	6.4 J (10)	2.8 J (5)	1.8 J (5)	ND (5)
508618	LWDS-05-BH11	50	ND (10)	8.7 J (10)	2.2 J (5)	ND (5)	ND (5)
508618	LWDS-05-BH11	55	ND (10)	6.9 J (10)	2.3 J (5)	23	ND (5)
508618	LWDS-05-BH11	60	ND (10)	ND (10)	1.5 J (5)	5.7	ND (5)
508618	LWDS-05-BH11	65	ND (10)	8 J	1.9 J (5)	51	ND (5)
508618	LWDS-05-BH11	70	ND (10)	14	1.8 J (5)	ND (5)	ND (5)
508618	LWDS-05-BH11	70(D)	ND (10)	12	2 J (5)	ND (5)	ND (5)
508807	LWDS-05-BH12	25	ND (10)	20	2.4 J (5)	ND (5)	ND (5)
508807	LWDS-05-BH12	30	ND (10)	40	2.3 J (5)	ND (5)	ND (5)
508807	LWDS-05-BH12	32.5	5.1 J (10)	55	ND (5)	ND (5)	ND (5)
508807	LWDS-05-BH12	35	5 J (10)	71	2.8 J (5)	ND (5)	ND (5)
508807	LWDS-05-BH12	37.5	ND (10)	56	2.2 J (5)	ND (5)	ND (5)
508807	LWDS-05-BH12	40	5.6 J (10)	96	2.7 J (5)	ND (5)	ND (5)
508807	LWDS-05-BH12	45	ND (10)	32	2.6 J (5)	3.2 J (5)	ND (5)
508807	LWDS-05-BH12	50	ND (10)	13	1.8 J (5)	ND (5)	ND (5)
508807	LWDS-05-BH12	55	ND (10)	23	2.8 J (5)	1.2 J (5)	ND (5)
508807	LWDS-05-BH12	55(D)	ND (10)	25	2 J (5)	1.9 J (5)	ND (5)
508809	LWDS-05-BH13	25	ND (10)	10	2.6 J (5)	ND (5)	ND (5)
508809	LWDS-05-BH13	30	ND (10)	8.9 J	2.5 J (5)	ND (5)	ND (5)
508809	LWDS-05-BH13	32.5	ND (10)	9.5 J	2.3 J (5)	ND (5)	ND (5)

Refer to footnotes at end of table.

Table B-1 (Continued)
Summary of VOC Analytical Results for SWMU 5 Soil Sampling
March 1994
(Off-Site Laboratory)

Sample Attributes			VOCs (EPA Method 8240[a]) (µg/kg)				
Record Number[b]	ER Sample ID	Sample Depth(ft)	2-Butanone	Acetone	Methylene chloride	Toluene	Trichloroethene
508809	LWDS-05-BH13	35	ND (10)	34	3.3 J (5)	1.2 J (5)	ND (5)
508809	LWDS-05-BH13	37.5	ND (10)	12	2.8 J (5)	ND (5)	ND (5)
508809	LWDS-05-BH13	40	ND (10)	13	8.4	ND (5)	ND (5)
508809	LWDS-05-BH13	45	10	130	9.4	ND (5)	ND (5)
508809	LWDS-05-BH13	50	ND (10)	10	2.5 J (5)	ND (5)	ND (5)
508809	LWDS-05-BH13	50(D)	ND (10)	23	3.3 J (5)	ND (5)	ND (5)
508809	LWDS-05-BH13	55	ND (10)	19	9.6	ND (5)	ND (5)
508426	LWDS-05-BH14	25	ND (10)	ND (10)	3.2 J (5)	ND (5)	ND (5)
508426	LWDS-05-BH14	30	ND (10)	11	3.4 J (5)	ND (5)	ND (5)
508426	LWDS-05-BH14	32.5	ND (10)	ND (10)	3.3 J (5)	ND (5)	ND (5)
508426	LWDS-05-BH14	35	ND (10)	12	3.4 J (5)	ND (5)	ND (5)
508426	LWDS-05-BH14	37.5	ND (10)	33	3.2 J (5)	ND (5)	ND (5)
508426	LWDS-05-BH14	40	ND (10)	13	3.1 J (5)	3.9 J (5)	ND (5)
508426	LWDS-05-BH14	45	ND (10)	13	3.2 J (5)	1.6 J (5)	ND (5)
508426	LWDS-05-BH14	50	ND (10)	11	3.4 J (5)	2.7 J (5)	ND (5)
508426	LWDS-05-BH14	55	ND (10)	17	3.6 J (5)	5.4	ND (5)
508426	LWDS-05-BH14	60	ND (10)	12	3.5 J (5)	1.8 J (5)	ND (5)
508426	LWDS-05-BH14	60(D)	ND (10)	9.8 J (10)	3.9 J (5)	1.6 J (5)	ND (5)
Quality Assurance/Quality Control Samples (all in µg/L)							
508618	LWDS-05-BH11-EB	NA	ND (10)	ND (10)	2.6 J (5)	ND (5)	ND (5)
508618	LWDS-05-BH11-TB	NA	ND (10)	ND (10)	6.5	ND (5)	ND (5)
508807	LWDS-05-BH12-EB	NA	ND (10)	ND (10)	2.2 J (5)	ND (5)	ND (5)
508807	LWDS-05-BH12-TB	NA	ND (10)	ND (10)	6	ND (5)	ND (5)
508809	LWDS-05-BH13-EB	NA	ND (10)	ND (10)	3.2 J (5)	ND (5)	ND (5)
508809	LWDS-05-BH13-TB	NA	ND (10)	ND (10)	6.3	ND (5)	ND (5)
508426	LWDS-05-BH14-EB	NA	ND (10)	14	ND (5)	ND (5)	ND (5)
508426	LWDS-05-BH14-TB	NA	ND (10)	ND (10)	2.9	ND (5)	ND (5)

Refer to footnotes at end of table.

Table B-1 (Concluded)
Summary of VOC Analytical Results for SWMU 5 Soil Sampling
March 1994
(Off-Site Laboratory)

[a]U.S. Environmental Protection Agency (EPA), November 1986. "Test Methods for Evaluating Solid Waste," 3rd ed. Update III, SW-846, Office of Solid Waste and Emergency Response, U.S. Environmental Protection Agency, Washington, D.C.
[b]Analysis request/chain-of-custody record.

BH = Borehole.
D = Duplicate sample.
EB = Equipment blank.
EPA = U.S. Environmental Protection Agency.
ER = Environmental Restoration.
ft = Foot (feet).
ID = Identification.
J = The associated value is an estimated quantity that is less than the laboratory reporting limit, shown in parentheses (method detection limit not available).
LWDS = Liquid Waste Disposal System.
µg/kg = Microgram(s) per kilogram.
µg/L = Microgram(s) per liter.
NA = Not applicable.
ND ( ) = Not detected above the laboratory reporting limit, shown in parentheses (method detection limit not available).
SWMU = Solid Waste Management Unit.
TB = Trip Blank.
VOC = Volatile organic compounds.

Table B-2
VOCs Analytical Laboratory Reporting Limits[a] for
SWMU 5 Soil Sampling March 1994
(Off-Site Laboratory)

Analyte	Laboratory Reporting Limit for Soil Samples (µg/kg)	Laboratory Reporting Limit for Aqueous Samples (µg/L)
1,1,1-Trichloroethane	5	5
1,1,2,2-Tetrachloroethane	5	5
1,1,2-Trichloroethane	5	5
1,1-Dichloroethane	5	5
1,1-Dichloroethene	5	5
1,2-Dichloroethane	5	5
1,2-Dichloroethene	5	5
1,2-Dichloropropane	5	5
2-Butanone	10	10
2-Hexanone	10	10
4-methyl-, 2-Pentanone	10	10
Acetone	10	10
Benzene	5	5
Bromodichloromethane	5	5
Bromoform	5	5
Bromomethane	10	10
Carbon disulfide	5	5
Carbon tetrachloride	5	5
Chlorobenzene	5	5
Chloroethane	10	10
Chloroform	5	5
Chloromethane	10	10
Dibromochloromethane	5	5
Ethyl benzene	5	5
Methylene chloride	5	5
Styrene	5	5
Tetrachloroethene	5	5
Toluene	5	5
Trichloroethene	5	5
Vinyl acetate	10	10
Vinyl chloride	10	10
Xylene	5	5
cis-1,3-Dichloropropene	5	5
trans-1,3-Dichloropropene	5	5

[a]Method detection limits not available.
µg/kg = Microgram(s) per kilogram.
µg/L = Microgram(s) per liter.
SWMU = Solid Waste Management Unit.
VOC = Volatile organic compound.

Table B-3
Summary of SVOC Analytical Results for SWMU 5 Soil Sampling
March 1994
(Off-Site Laboratory)

Sample Attributes			SVOCs (EPA Method 8270[a]) (µg/kg)	
Record Number[b]	ER Sample ID	Sample Depth(ft)	Di-n-butyl phthalate	bis(2-Ethylhexyl) phthalate
508618	LWDS-05-BH11	25	ND (330)	ND (330)
508618	LWDS-05-BH11	30	ND (330)	49 J (330)
508618	LWDS-05-BH11	35	ND (330)	57 J (330)
508618	LWDS-05-BH11	37.5	ND (330)	ND (330)
508618	LWDS-05-BH11	40	ND (330)	46 J (330)
508618	LWDS-05-BH11	42.5	ND (330)	ND (330)
508618	LWDS-05-BH11	45	ND (330)	ND (330)
508618	LWDS-05-BH11	47.5	ND (330)	ND (330)
508618	LWDS-05-BH11	50	ND (330)	ND (330)
508618	LWDS-05-BH11	55	ND (330)	ND (330)
508618	LWDS-05-BH11	60	ND (330)	ND (330)
508618	LWDS-05-BH11	65	ND (330)	ND (330)
508618	LWDS-05-BH11	70	ND (330)	ND (330)
508618	LWDS-05-BH11	70(D)	ND (330)	ND (330)
508807	LWDS-05-BH12	25	ND (330)	34 J (330)
508807	LWDS-05-BH12	30	ND (330)	70 J (330)
508807	LWDS-05-BH12	32.5	ND (330)	ND (330)
508807	LWDS-05-BH12	35	ND (330)	1300
508807	LWDS-05-BH12	37.5	ND (330)	1600
508807	LWDS-05-BH12	40	ND (330)	1000
508807	LWDS-05-BH12	45	ND (330)	120 J (330)
508807	LWDS-05-BH12	50	ND (330)	46 J (330)
508807	LWDS-05-BH12	55	ND (330)	220 J (330)
508807	LWDS-05-BH12	55(D)	ND (330)	420
508809	LWDS-05-BH13	25	ND (330)	110 J (330)
508809	LWDS-05-BH13	30	ND (330)	44 J (330)
508809	LWDS-05-BH13	32.5	ND (330)	340
508809	LWDS-05-BH13	35	ND (330)	1100
508809	LWDS-05-BH13	37.5	ND (330)	ND (330)
508809	LWDS-05-BH13	40	ND (330)	850
508809	LWDS-05-BH13	45	ND (330)	680
508809	LWDS-05-BH13	50	ND (330)	1600
508809	LWDS-05-BH13	50(D)	ND (330)	1100
508809	LWDS-05-BH13	55	ND (330)	500
508426	LWDS-05-BH14	25	ND (330)	ND (330)
508426	LWDS-05-BH14	30	ND (330)	ND (330)
508426	LWDS-05-BH14	32.5	ND (330)	52 J (330)
508426	LWDS-05-BH14	35	ND (330)	100 J (330)
508426	LWDS-05-BH14	37.5	46 J (330)	1000
508426	LWDS-05-BH14	40	ND (330)	ND (330)
508426	LWDS-05-BH14	45	ND (330)	90 J (330)
508426	LWDS-05-BH14	50	ND (330)	ND (330)
508426	LWDS-05-BH14	55	ND (330)	ND (330)

Refer to footnotes at end of table.

Table B-3 (Concluded)
Summary of SVOC Analytical Results for SWMU 5 Soil Sampling
March 1994
(Off-Site Laboratory)

Sample Attributes			SVOCs (EPA Method 8270[a]) (µg/kg)	
Record Number[b]	ER Sample ID	Sample Depth(ft)	Di-n-butyl phthalate	bis(2-Ethylhexyl) phthalate
508426	LWDS-05-BH14	60	ND (330)	ND (330)
508426	LWDS-05-BH14	60(D)	ND (330)	**260 J (330)**
Quality Assurance/Quality Control Samples (all in µg/L)				
508618	LWDS-05-BH11-EB	NA	ND (10)	ND (10)
508807	LWDS-05-BH12-EB	NA	ND (10)	ND (10)
508809	LWDS-05-BH13-EB	NA	ND (10)	ND (10)
508426	LWDS-05-BH14-EB	NA	ND (10)	**1.2 J (10)**

[a]U.S. Environmental Protection Agency (EPA), November 1986. "Test Methods for Evaluating Solid Waste," 3rd ed. Update III, SW-846, Office of Solid Waste and Emergency Response, U.S. Environmental Protection Agency, Washington, D.C.
[b]Analysis request/chain-of-custody record.
BH = Borehole.
D = Duplicate sample.
EB = Equipment blank.
EPA = U.S. Environmental Protection Agency.
ER = Environmental Restoration.
ft = Foot (feet).
ID = Identification.
J ( ) = The associated value is an estimated quantity that is less than the laboratory reporting limit, shown in parentheses (method detection limit not available).
LWDS = Liquid Waste Disposal System.
µg/kg = Microgram(s) per kilogram.
µg/L = Microgram(s) per liter.
NA = Not applicable.
ND ( ) = Not detected above the laboratory reporting limit, shown in parentheses (method detection limit not available).
SVOC = Semivolatile organic compounds.
SWMU = Solid Waste Management Unit.

Table B-4
SVOCs Analytical Laboratory Reporting Limits[a] for
SWMU 5 Soil Sampling March 1994
(Off-Site Laboratory)

Analyte	Laboratory Reporting Limit for Soil Samples (µg/kg)	Laboratory Reporting Limit for Aqueous Samples (µg/L)
1,2,4-Trichlorobenzene	330	10
1,2-Dichlorobenzene	330	10
1,3-Dichlorobenzene	330	10
1,4-Dichlorobenzene	330	10
2,4,5-Trichlorophenol	1600	50
2,4,6-Trichlorophenol	330	10
2,4-Dichlorophenol	330	10
2,4-Dimethylphenol	330	10
2,4-Dinitrophenol	1600	50
2,4-Dinitrotoluene	330	10
2,6-Dinitrotoluene	330	10
2-Chloronaphthalene	330	10
2-Chlorophenol	330	10
2-Methylnaphthalene	330	10
2-Nitroaniline	1600	50
2-Nitrophenol	330	10
3,3'-Dichlorobenzidine	660	20
3-Nitroaniline	1600	50
4-Bromophenyl phenyl ether	330	10
4-Chloro-3-methylphenol	330	10
4-Chlorobenzenamine	330	10
4-Chlorophenyl phenyl ether	330	10
4-Methylphenol	330	10
4-Nitroaniline	1600	50
4-Nitrophenol	1600	50
Acenaphthene	330	10
Acenaphthylene	330	10
Anthracene	330	10
Benzo(a)anthracene	330	10
Benzo(a)pyrene	330	10
Benzo(b)fluoranthene	330	10
Benzo(ghi)perylene	330	10
Benzo(k)fluoranthene	330	10
Benzoic acid	1600	50
Benzyl alcohol	330	10
Butylbenzyl phthalate	330	10
Carbazole	330	10
Chrysene	330	10
Di-n-butyl phthalate	330	10
Di-n-octyl phthalate	330	10
Dibenz[a,h]anthracene	330	10
Dibenzofuran	330	10
Diethylphthalate	330	10
Dimethylphthalate	330	10

Refer to footnotes at end of table.

Table B-4 (Concluded)
SVOCs Analytical Laboratory Reporting Limits[a] for
SWMU 5 Soil Sampling March 1994
(Off-Site Laboratory)

Analyte	Laboratory Reporting Limit for Soil Samples (µg/kg)	Laboratory Reporting Limit for Aqueous Samples (µg/L)
Dinitro-o-cresol	1600	50
Fluoranthene	330	10
Fluorene	330	10
Hexachlorobenzene	330	10
Hexachlorobutadiene	330	10
Hexachlorocyclopentadiene	330	10
Hexachloroethane	330	10
Indeno(1,2,3-c,d)pyrene	330	10
Isophorone	330	10
Naphthalene	330	10
Nitro-benzene	330	10
Pentachlorophenol	1600	50
Phenanthrene	330	10
Phenol	330	10
Pyrene	330	10
bis(2-Chloroethoxy)methane	330	10
bis(2-Chloroethyl)ether	330	10
bis(2-Ethylhexyl) phthalate	330	10
bis-Chloroisopropyl ether	330	10
n-Nitrosodiphenylamine	330	10
n-Nitrosodipropylamine	330	10
o-Cresol	330	10

[a]Method detection limits not available.
µg/kg = Microgram(s) per kilogram.
µg/L = Microgram(s) per liter.
SVOC = Semivolatile organic compound.
SWMU = Solid Waste Management Unit.

Table B-5
Summary of Metals Analytical Results for SWMU 5 Soil Sampling
March 1994
(Off-Site Laboratory)

Sample Attributes			Metals (EPA Method 6010/7060/7421/7470/7471/7740[a]) (mg/kg)							
Record Number[b]	ER Sample ID	Sample Depth (ft)	Antimony	Arsenic	Barium	Beryllium	Cadmium	Total Chromium	Cobalt	Lead
508618	LWDS-05-BH11	25	ND (6)	4	94.8	0.61	ND (0.5)	10.5	5	5.7
508618	LWDS-05-BH11	30	**6**	1.8	50.3	0.35	ND (0.5)	4.9	3	3.6
508618	LWDS-05-BH11	35	ND (6)	1.7	98	0.52	ND (0.5)	7.1	3.9	5.1
508618	LWDS-05-BH11	37.5	ND (6)	1.8	17.2	0.5	ND (0.5)	2.2	3.4	2.9
508618	LWDS-05-BH11	40	ND (6)	3	50.7	0.44	ND (0.5)	5.7	3.8	6.1
508618	LWDS-05-BH11	42.5	ND (6)	1.2	22.1	0.38	ND (0.5)	5.4	3.1	2.3
508618	LWDS-05-BH11	45	ND (6)	1.9	73.6	0.39	ND (0.5)	7.3	3.9	3.6
508618	LWDS-05-BH11	47.5	**8**	2.5	49.1	0.52	0.31 J (0.5)	8.6	3.8	4
508618	LWDS-05-BH11	50	ND (6)	1.8	30.2	0.34	ND (0.5)	6.9	3.2	3
508618	LWDS-05-BH11	55	ND (6)	2.1	27.1	0.28	ND (0.5)	6.1	2.2	2.7
508618	LWDS-05-BH11	60	ND (6)	2	41.4	0.42	ND (0.5)	6.9	3.3	3
508618	LWDS-05-BH11	65	ND (6)	1.4	15.7	0.27	ND (0.5)	3.2	2	2.9
508618	LWDS-05-BH11	70	ND (6)	2.5	44.1	0.46	ND (0.5)	7.5	4.4	4.8
508618	LWDS-05-BH11	70(D)	ND (6)	2.4	30.6	0.36	ND (0.5)	6.8	3.9	5.2
508807	LWDS-05-BH12	25	ND (6)	2.8	128	0.24	ND (0.5)	3.8	3.1	4
508807	LWDS-05-BH12	30	ND (6)	1.5	80.6	0.23	0.31 J (0.5)	2.7	2.2	3.7
508807	LWDS-05-BH12	32.5	**6.1**	1.4	78.3	0.25	**5.7**	14.5	2.9	5.1
508807	LWDS-05-BH12	35	ND (6)	1.9	78.5	0.19 J (0.2)	**3.5**	5.6	2.6	4.9
508807	LWDS-05-BH12	37.5	ND (6)	1.4	172	0.14 J (0.2)	**51.1**	**28.7**	1.9	**14**
508807	LWDS-05-BH12	40	**6.6**	2	73.5	0.14 J (0.2)	**22.5**	**20.9**	2.8	10
508807	LWDS-05-BH12	45	ND (6)	1.5	59.7	ND (0.2)	**5.3**	5.8	1.8	3.7
508807	LWDS-05-BH12	50	ND (6)	1.5	41.5	0.16 J (0.2)	0.41 J (0.5)	3.6	2.6	2.3
508807	LWDS-05-BH12	55	ND (6)	1.7	40.7	0.13 J (0.2)	0.4 J (0.5)	2.6	2.1	2.4
508807	LWDS-05-BH12	55(D)	ND (6)	1.6	47.3	0.21	**3**	7.4	2.7	3.2
508809	LWDS-05-BH13	25	ND (6)	2.1	50.1	0.38	ND (0.5)	7.7	4.7	4.2
508809	LWDS-05-BH13	30	ND (6)	1.9	59.8	0.26	ND (0.5)	6.7	3.3	3.7

Refer to footnotes at end of table.

Table B-5 (Continued)
Summary of Metals Analytical Results for SWMU 5 Soil Sampling
March 1994
(Off-Site Laboratory)

Sample Attributes			Metals (EPA Method 6010/7060/7421/7470/7471/7740[a]) (mg/kg)						
Record Number[b]	ER Sample ID	Sample Depth (ft)	Mercury	Nickel	Selenium	Silver	Thallium	Vanadium	Zinc
508618	LWDS-05-BH11	25	ND (0.1)	9	ND (1)	ND (1)	ND (1)	**22**	31.8
508618	LWDS-05-BH11	30	ND (0.1)	4.9	ND (1)	ND (1)	ND (1)	13.2	18.4
508618	LWDS-05-BH11	35	ND (0.1)	7.8	ND (1)	ND (1)	ND (1)	17.2	23.9
508618	LWDS-05-BH11	37.5	ND (0.1)	5.8	ND (1)	ND (1)	ND (1)	7	22.6
508618	LWDS-05-BH11	40	ND (0.1)	6.5	ND (1)	ND (1)	ND (1)	17.2	24
508618	LWDS-05-BH11	42.5	ND (0.1)	5.1	ND (1)	ND (1)	ND (1)	14.9	18.9
508618	LWDS-05-BH11	45	ND (0.1)	7.1	ND (1)	ND (1)	ND (1)	17.8	24.1
508618	LWDS-05-BH11	47.5	ND (0.1)	7.4	ND (1)	ND (1)	ND (1)	20.9	21.6
508618	LWDS-05-BH11	50	ND (0.1)	6.6	ND (1)	ND (1)	ND (1)	18.6	21.9
508618	LWDS-05-BH11	55	ND (0.1)	4.4	ND (1)	ND (1)	ND (0.5)	15.2	14.2
508618	LWDS-05-BH11	60	ND (0.1)	5.7	ND (1)	ND (1)	ND (1)	18.7	20.8
508618	LWDS-05-BH11	65	ND (0.1)	2.9 J (4)	ND (1)	ND (1)	ND (1)	8.7	14
508618	LWDS-05-BH11	70	ND (0.1)	7.3	ND (1)	ND (1)	ND (1)	20	24.9
508618	LWDS-05-BH11	70(D)	ND (0.1)	6.9	ND (1)	ND (1)	ND (1)	19.5	24.2
508807	LWDS-05-BH12	25	ND (0.1)	5.7	ND (1)	ND (2)	ND (1)	13.4	20.8
508807	LWDS-05-BH12	30	ND (0.1)	4.4	ND (1)	ND (1)	ND (1)	9.4	16.2
508807	LWDS-05-BH12	32.5	ND (0.1)	6	ND (0.5)	ND (2)	ND (1)	9.4	25.1
508807	LWDS-05-BH12	35	0.097 J (0.1)	5.7	ND (1)	ND (1)	ND (1)	10.7	18.3
508807	LWDS-05-BH12	37.5	**0.85**	7.1	ND (1)	ND (1)	ND (1)	8.7	**67.3**
508807	LWDS-05-BH12	40	**0.21**	7.1	ND (1)	ND (1)	ND (0.5)	10.9	36.3
508807	LWDS-05-BH12	45	0.074 J (0.1)	4.5	ND (0.5)	ND (1)	ND (0.5)	8.9	17.5
508807	LWDS-05-BH12	50	ND (0.1)	5.8	ND (1)	ND (1)	0. 14 J (0. 5)	12.2	18.4
508807	LWDS-05-BH12	55	ND (0.1)	3.9 J (4)	ND (1)	ND (1)	ND (1)	9.3	11.6
508807	LWDS-05-BH12	55(D)	ND (0.1)	7.1	ND (1)	ND (2)	ND (1)	12.1	22.7
508809	LWDS-05-BH13	25	ND (0.1)	7.8	ND (0.5)	ND (1)	0.17 J (0.5)	**22.5**	28.6
508809	LWDS-05-BH13	30	ND (0.1)	7.9	ND (1)	ND (1)	ND (1)	17.1	20

Refer to footnotes at end of table.

Table B-5 (Continued)
Summary of Metals Analytical Results for SWMU 5 Soil Sampling
March 1994
(Off-Site Laboratory)

Sample Attributes			Metals (EPA Method 6010/7060/7421/7470/7471/7740[a]) (mg/kg)							
Record Number[b]	ER Sample ID	Sample Depth (ft)	Antimony	Arsenic	Barium	Beryllium	Cadmium	Total Chromium	Cobalt	Lead
508809	LWDS-05-BH13	32.5	ND (6)	2.3	83.3	0.39	ND (0.5)	7.7	4.2	4.5
508809	LWDS-05-BH13	35	ND (6)	2.3	59.8	0.37	ND (0.5)	6.7	3.9	3.3
508809	LWDS-05-BH13	37.5	ND (6)	1.4	33.4	0.28	ND (0.5)	5.9	4	3.1
508809	LWDS-05-BH13	40	ND (6)	1.6	54.4	0.27	ND (0.5)	6.5	3.1	3.5
508809	LWDS-05-BH13	45	ND (6)	2	99.2	0.2	ND (0.5)	4.6	2.4	3.7
508809	LWDS-05-BH13	50	ND (6)	2.3	67.6	0.28	ND (0.5)	10.5	3.8	3.8
508809	LWDS-05-BH13	50(D)	ND (6)	1.7	49.7	0.29	ND (.5)	16	4.4	2.9
508809	LWDS-05-BH13	55	ND (12)	1.6	**258**	ND (0.4)	ND (1)	6	2.3	4.6
508426	LWDS-05-BH14	25	ND (6)	2.8	88.6	0.32	0.88	5.6	4.9	3.9
508426	LWDS-05-BH14	30	ND (6)	1.7	26	0.59	**6.7**	6.7	2.9	3.8
508426	LWDS-05-BH14	32.5	ND (6)	2.7	72.6	0.33	ND (0.5)	3.8	3	4
508426	LWDS-05-BH14	35	ND (30)	**ND (5)**	18	**ND (1)**	**ND (2.5)**	ND (5)	3.4 J (5)	ND (1.5)
508426	LWDS-05-BH14	37.5	ND (6)	3	189	0.34	**2.5**	**42.4**	3.5	3.6
508426	LWDS-05-BH14	40	ND (6)	2.4	50.9	0.49	0.57	5.6	4	4.1
508426	LWDS-05-BH14	45	ND (6)	2.7	42	0.56	ND (0.5)	7	3.8	4.2
508426	LWDS-05-BH14	50	ND (6)	2.2	30.6	0.56	ND (0.5)	7.7	3.6	3.5
508426	LWDS-05-BH14	55	ND (6)	1.4	23.3	0.62	0.58	2.3	3.4	2.5
508426	LWDS-05-BH14	60	ND (6)	1.6	25.5	0.44	**0.96**	11.3	3.7	3
508426	LWDS-05-BH14	60(D)	ND (6)	3.3	52	0.55	ND (0.5)	7.5	**5.2**	5.8
Background concentration—Southwest Area[c]			3.9	4.4	214	0.65	0.9	15.9	5.2	11.8
Quality Assurance/Quality Control Samples (all in mg/L)										
508618	LWDS-05-BH11-EB	NA	ND (0.06)	ND (0.005)	ND (0.01)	ND (0.002)	ND (0.005)	ND (0.01)	ND (0.01)	0.0021 J (0.005)
508807	LWDS-05-BH12-EB	NA	ND (0.06)	ND (0.005)	ND (0.01)	ND (0.002)	ND (0.005)	ND (0.01)	ND (0.01)	ND (0.005)
508809	LWDS-05-BH13-EB	NA	ND (0.06)	NR	ND (0.01)	ND (0.002)	ND (0.005)	ND (0.01)	ND (0.01)	NR
508426	LWDS-05-BH14-EB	NA	ND (0.06)	ND (0.005)	ND (0.01)	ND (0.002)	ND (0.005)	ND (0.01)	ND (0.01)	ND (0.005)

Refer to footnotes at end of table.

Table B-5 (Continued)
Summary of Metals Analytical Results for SWMU 5 Soil Sampling
March 1994
(Off-Site Laboratory)

Sample Attributes			Metals (EPA Method 6010/7060/7421/7470/7471/7740[a]) (mg/kg)						
Record Number[b]	ER Sample ID	Sample Depth (ft)	Mercury	Nickel	Selenium	Silver	Thallium	Vanadium	Zinc
508809	LWDS-05-BH13	32.5	ND (0.1)	7.8	ND (0.5)	ND (1)	ND (1)	21.4	27.4
508809	LWDS-05-BH13	35	ND (0.1)	7.8	ND (0.5)	ND (1)	ND (1)	17	30.2
508809	LWDS-05-BH13	37.5	ND (0.1)	7.7	ND (1)	ND (1)	ND (1)	15.1	21.1
508809	LWDS-05-BH13	40	ND (0.1)	5.9	ND (1)	ND (1)	ND (0.5)	12.9	17.5
508809	LWDS-05-BH13	45	ND (0.1)	4.7	ND (1)	ND (1)	ND (1)	9.9	30.1
508809	LWDS-05-BH13	50	ND (0.1)	8.2	ND (1)	ND (1)	ND (1)	15.1	22.4
508809	LWDS-05-BH13	50(D)	ND (.1)	**11.8**	ND (1)	ND (1)	ND (5)	17.3	22.4
508809	LWDS-05-BH13	55	ND (0.1)	ND (8)	ND (1)	ND (2)	ND (1)	7.8	10.9
508426	LWDS-05-BH14	25	ND (0.1)	6.7	0.4 J (0.5)	0.73 J (1)	ND (1)	17.2	20.5
508426	LWDS-05-BH14	30	**0.28**	3.7 J (4)	ND (0.5)	0.6 J (1)	ND (1)	13.2	19.5
508426	LWDS-05-BH14	32.5	ND (0.1)	5.1	ND (0.5)	0.68 J (1)	ND (1)	11.2	16.4
508426	LWDS-05-BH14	35	ND (0.1)	6.5 J (20)	**ND (2.5)**	**3.7 J (5)**	**ND (5)**	ND (5)	23.8
508426	LWDS-05-BH14	37.5	ND (0.1)	9	0.39 J (0.5)	**1**	ND (1)	9.8	18.8
508426	LWDS-05-BH14	40	ND (0.1)	6.3	0.57	ND (1)	ND (1)	13.7	22.3
508426	LWDS-05-BH14	45	ND (0.1)	6.4	ND (0.5)	ND (1)	ND (1)	16.3	19.4
508426	LWDS-05-BH14	50	ND (0.1)	5.5	ND (0.5)	0.39 J (1)	ND (1)	15.6	16.9
508426	LWDS-05-BH14	55	ND (0.1)	3.9 J (4)	ND (0.5)	ND (1)	ND (1)	7.4	11
508426	LWDS-05-BH14	60	ND (0.1)	7.5	ND (0.5)	0.34 J (1)	ND (1)	11.2	16.2
508426	LWDS-05-BH14	60(D)	ND (0.1)	7.6	ND (0.5)	ND (1)	ND (1)	18.8	24.6
Background concentration—Southwest Area[c]			<0.1	11.5	<1	<1	<1.1	21.5	62
Quality Assurance/Quality Control Samples (all in mg/L)									
508618	LWDS-05-BH11-EB	NA	ND (0.0002)	ND (0.04)	ND (0.005)	ND (0.01)	ND (0.005)	ND (0.01)	0.0064 J (0.02)
508807	LWDS-05-BH12-EB	NA	ND (0.0002)	ND (0.04)	ND (0.005)	ND (0.01)	ND (0.005)	ND (0.01)	0.0069 J (0.02)
508809	LWDS-05-BH13-EB	NA	NR	ND (0.04)	NR	ND (0.01)	NR	ND (0.01)	0.0089 J (0.02)
508426	LWDS-05-BH14-EB	NA	ND (0.0002)	ND (0.04)	ND (0.005)	ND (0.01)	ND (0.005)	ND (0.01)	0.0073 J (0.02)

Refer to footnotes at end of table.

Table B-5 (Concluded)
Summary of Metals Analytical Results for SWMU 5 Soil Sampling
March 1994
(Off-Site Laboratory)

Note: Values in **bold** exceed background soil concentrations.
[a]U.S. Environmental Protection Agency (EPA), November 1986. "Test Methods for Evaluating Solid Waste," 3rd ed. Update III, SW-846, Office of Solid Waste and Emergency Response, U.S. Environmental Protection Agency, Washington, D.C.
[b]Analysis request/chain-of-custody record.
[c]From Dinwiddie, R.S. (New Mexico Environment Department). Letter to M.J. Zamorski (U.S. Department of Energy), "Request for Supplemental Information: Background Concentrations Report." September 24, 1997.

BH = Borehole.
D = Duplicate sample.
EB = Equipment blank.
EPA = U.S. Environmental Protection Agency.
ER = Environmental Restoration.
ft = Foot (feet).
ID = Identification.
J ( ) = The associated value is an estimated quantity that is less than the laboratory reporting limit, shown in parentheses (method detection limit not available).
mg/kg = Milligram(s) per kilogram.
mg/L = Milligram(s) per liter.
NA = Not applicable.
ND ( ) = Not detected above the laboratory reporting limit, shown in parentheses (method detection limit not available).
NR = Not reported.
SWMU = Solid Waste Management Unit.

Table B-6
Metals Analytical Laboratory Reporting Limits[a] for
SWMU 5 Soil Sampling March 1994
(Off-Site Laboratory)

Analyte	Laboratory Reporting Limit for Soil Samples (mg/kg)	Laboratory Reporting Limit for Aqueous Samples (mg/L)
Aluminum	10–50	0.01
Antimony	6–30	0.06
Arsenic	0.5–5	0.005
Barium	1–5	0.01
Beryllium	0.2–1	0.002
Cadmium	0.5–2.5	0.005
Calcium	20–100	0.2
Chromium	1–5	0.01
Cobalt	1–5	0.01
Copper	2–10	0.02
Iron	10–50	0.1
Lead	0.3–1.5	0.005
Magnesium	20–100	0.2
Manganese	1–5	0.01
Mercury	0.1	0.0002
Nickel	4–20	0.04
Potassium	500–2500	5
Selenium	0.5–2.5	0.005
Silver	1–5	0.01
Sodium	500–2500	5
Thallium	0.5–5	0.005
Vanadium	1–5	0.01
Zinc	2–10	0.02

[a]Method detection limits not available.
mg/kg = Milligram(s) per kilogram.
mg/L = Milligram(s) per liter.
SWMU = Solid Waste Management Unit.

Table B-7
Summary of Gamma Spectroscopy Analytical Results for SWMU 5 Soil Sampling
March 1994
(Off-Site Laboratory)

Sample Attributes			Activity (EPA Method 901.1[a]) (pCi/g)			
			Cesium-137		Thorium-232	
Record Number[b]	ER Sample ID	Sample Depth (ft)	Result	Error[c]	Result	Error[c]
508805	LWDS-05-BH11	25	ND (0.059)	--	0.44	0.3
508805	LWDS-05-BH11	30	ND (0.051)	--	0.44	0.21
508805	LWDS-05-BH11	35	ND (0.06)	--	0.62	0.34
508805	LWDS-05-BH11	37.5	ND (0.038)	--	0.51	0.22
508805	LWDS-05-BH11	40	ND (0.038)	--	0.62	0.22
508805	LWDS-05-BH11	42.5	ND (0.045)	--	0.42	0.19
508805	LWDS-05-BH11	45	ND (0.043)	--	NR	NA
508805	LWDS-05-BH11	47.5	ND (0.044)	--	0.51	0.22
508805	LWDS-05-BH11	50	ND (0.049)	--	0.58	0.22
508805	LWDS-05-BH11	55	ND (0.042)	--	0.55	0.22
508805	LWDS-05-BH11	60	ND (0.042)	--	0.39	0.23
508805	LWDS-05-BH11	65	ND (0.021)	--	0.56	0.21
508805	LWDS-05-BH11	70	ND (0.047)	--	0.67	0.29
508805	LWDS-05-BH11	70(D)	ND (0.046)	--	0.62	0.24
508808	LWDS-05-BH12	25	ND (0.056)	--	0.49	0.2
508808	LWDS-05-BH12	30	ND (0.096)	--	1.1	0.3
508808	LWDS-05-BH12	32.5	ND (0.055)	--	0.81	0.32
508808	LWDS-05-BH12	35	0.075	0.051	0.67	0.33
508808	LWDS-05-BH12	37.5	0.14	0.067	0.65	0.26
508808	LWDS-05-BH12	40	0.12	0.074	0.55	0.28
508808	LWDS-05-BH12	45	ND (0.054)	--	0.9	0.32
508808	LWDS-05-BH12	50	ND (0.037)	--	0.44	0.28
508808	LWDS-05-BH12	55	ND (0.043)	--	0.43	0.25
508808	LWDS-05-BH12	55(D)	ND (0.038)	--	0.45	0.17
508810	LWDS-05-BH13	25	ND (0.047)	--	0.54	0.24
508810	LWDS-05-BH13	30	ND (0.038)	--	0.36	0.2
508810	LWDS-05-BH13	32.5	ND (0.042)	--	0.42	0.18
508810	LWDS-05-BH13	35	ND (0.044)	--	0.5	0.21
508810	LWDS-05-BH13	37.5	ND (0.036)	--	0.34	0.2
508810	LWDS-05-BH13	40	ND (0.04)	--	0.42	0.25
508810	LWDS-05-BH13	45	ND (0.041)	--	0.36	0.18
508810	LWDS-05-BH13	50	ND (0.037)	--	0.54	0.21
508810	LWDS-05-BH13	50(D)	ND (0.036)	--	NR	NA
508810	LWDS-05-BH13	55	ND (0.046)	--	0.67	0.27
508685	LWDS-05-BH14	25	ND (0.034)	--	0.67	0.22
508685	LWDS-05-BH14	30	ND (0.039)	--	0.45	0.23
508685	LWDS-05-BH14	32.5	ND (0.038)	--	0.42	0.19
508685	LWDS-05-BH14	35	ND (0.054)	--	0.64	0.3
508685	LWDS-05-BH14	37.5	ND (0.037)	--	0.65	0.22
508685	LWDS-05-BH14	40	ND (0.031)	--	0.38	0.18
508685	LWDS-05-BH14	45	ND (0.046)	--	0.94	0.26
508685	LWDS-05-BH14	50	ND (0.049)	--	0.83	0.29
508685	LWDS-05-BH14	55	ND (0.04)	--	0.61	0.26

Refer to notes at the end of table.

Table B-7
Summary of Gamma Spectroscopy Analytical Results for SWMU 5 Soil Sampling
March 1994
(Off-Site Laboratory)

Sample Attributes			Activity (EPA Method 901.1[a]) (pCi/g)			
			Cesium-137		Thorium-232	
Record Number[b]	ER Sample ID	Sample Depth (ft)	Result	Error[c]	Result	Error[c]
508685	LWDS-05-BH14	60	ND (0.045)	--	0.72	0.3
508685	LWDS-05-BH14	60(D)	ND (0.033)	--	0.33	0.17
Background concentration—Southwest Area[d]			0.079	NA	1.01	NA
Quality Assurance/Quality Control Samples (all in pCi/L)						
508805	LWDS-05-BH11	EB	ND (26)	--	NR	NA
508808	LWDS-05-BH12	EB	ND (26)	--	NR	NA
508808	LWDS-05-BH13	EB	ND (28)	--	NR	NA
508808	LWDS-05-BH14	EB	ND (24)	--	NR	NA

Refer to notes at the end of table.

Table B-7 (Continued)
Summary of Gamma Spectroscopy Analytical Results for SWMU 5 Soil Sampling
March 1994
(Off-Site Laboratory)

Sample Attributes			Activity (EPA Method 901.1[a]) (pCi/g)	
			Cobalt-60	
Record Number[b]	ER Sample ID	Sample Depth (ft)	Result	Error[c]
508805	LWDS-05-BH11	25	ND (0.064)	--
508805	LWDS-05-BH11	30	ND (0.058)	--
508805	LWDS-05-BH11	35	ND (0.066)	--
508805	LWDS-05-BH11	37.5	ND (0.051)	--
508805	LWDS-05-BH11	40	ND (0.054)	--
508805	LWDS-05-BH11	42.5	ND (0.046)	--
508805	LWDS-05-BH11	45	ND (0.053)	--
508805	LWDS-05-BH11	47.5	ND (0.045)	--
508805	LWDS-05-BH11	50	ND (0.048)	--
508805	LWDS-05-BH11	55	ND (0.065)	--
508805	LWDS-05-BH11	60	ND (0.052)	--
508805	LWDS-05-BH11	65	ND (0.036)	--
508805	LWDS-05-BH11	70	ND (0.058)	--
508805	LWDS-05-BH11	70(D)	ND (0.049)	--
508808	LWDS-05-BH12	25	ND (0.069)	--
508808	LWDS-05-BH12	30	0.15	0.076
508808	LWDS-05-BH12	32.5	ND (0.065)	--
508808	LWDS-05-BH12	35	ND (0.075)	--
508808	LWDS-05-BH12	37.5	ND (0.071)	--
508808	LWDS-05-BH12	40	ND (0.073)	--
508808	LWDS-05-BH12	45	ND (0.067)	--
508808	LWDS-05-BH12	50	ND (0.053)	--
508808	LWDS-05-BH12	55	ND (0.047)	--
508808	LWDS-05-BH12	55(D)	ND (0.044)	--
508810	LWDS-05-BH13	25	ND (0.056)	--
508810	LWDS-05-BH13	30	ND (0.045)	--
508810	LWDS-05-BH13	32.5	ND (0.049)	--
508810	LWDS-05-BH13	35	ND (0.042)	--
508810	LWDS-05-BH13	37.5	ND (0.044)	--
508810	LWDS-05-BH13	40	ND (0.054)	--
508810	LWDS-05-BH13	50	ND (0.043)	--
508810	LWDS-05-BH13	50(D)	ND (0.046)	--
508810	LWDS-05-BH13	55	ND (0.054)	--
508685	LWDS-05-BH14	25	ND (0.046)	--
508685	LWDS-05-BH14	30	ND (0.081)	--
508685	LWDS-05-BH14	32.5	ND (0.047)	--
508685	LWDS-05-BH14	35	ND (0.043)	--
508685	LWDS-05-BH14	37.5	ND (0.054)	--
508685	LWDS-05-BH14	40	ND (0.041)	--
508685	LWDS-05-BH14	45	ND (0.062)	--
508685	LWDS-05-BH14	50	ND (0.051)	--
508685	LWDS-05-BH14	55	ND (0.052)	--

Refer to notes at the end of table.

Table B-7 (Continued)
Summary of Gamma Spectroscopy Analytical Results for SWMU 5 Soil Sampling
March 1994
(Off-Site Laboratory)

Sample Attributes			Activity (EPA Method 901.1[a]) (pCi/g)	
			Cobalt-60	
Record Number[b]	ER Sample ID	Sample Depth (ft)	Result	Error[c]
508685	LWDS-05-BH14	50	ND (0.057)	--
508685	LWDS-05-BH14	60(D)	ND (0.041)	--
Background concentration---Southwest Area[d]			NA	NA
Quality Assurance/Quality Control Samples (all in pCi/L)				
508805	LWDS-05-BH11	EB	ND (24)	--
508808	LWDS-05-BH12	EB	ND (25)	--
508810	LWDS-05-BH13	EB	ND (23)	--
508685	LWDS-05-BH14	EB	ND (25)	--

Refer to notes at the end of table.

Table B-7 (Continued)
Summary of Gamma Spectroscopy Analytical Results for SWMU 5 Soil Sampling
March 1994
(Off-Site Laboratory)

Sample Attributes			Activity (EPA Method 906.0[a]) (pCi/L)	
			Tritium	
Record Number[b]	ER Sample ID	Sample Depth (ft)	Result	Error[c]
508805	LWDS-05-BH11	25	ND (240)	--
508805	LWDS-05-BH11	30	ND (240)	--
508805	LWDS-05-BH11	35	ND (240)	--
508805	LWDS-05-BH11	37.5	290	150
508805	LWDS-05-BH11	40	ND (240)	--
508805	LWDS-05-BH11	42.5	ND (270)	--
508805	LWDS-05-BH11	45	ND (400)	--
508805	LWDS-05-BH11	47.5	ND (240)	--
508805	LWDS-05-BH11	50	ND (230)	--
508805	LWDS-05-BH11	55	240	150
508805	LWDS-05-BH11	60	ND (230)	--
508805	LWDS-05-BH11	65	ND (230)	--
508805	LWDS-05-BH11	70	290	150
508805	LWDS-05-BH11	70(D)	ND(250)	--
508687	LWDS-05-BH11	70	ND (250)	150
508808	LWDS-05-BH12	25	ND (250)	--
508808	LWDS-05-BH12	30	ND (250)	--
508808	LWDS-05-BH12	32.5	ND (260)	--
508808	LWDS-05-BH12	35	ND (250)	--
508808	LWDS-05-BH12	37.5	ND (270)	--
508808	LWDS-05-BH12	40	ND (250)	--
508808	LWDS-05-BH12	45	350	170
508808	LWDS-05-BH12	50	ND (250)	--
508808	LWDS-05-BH12	55	NR	--
508808	LWDS-05-BH12	55(D)	ND (250)	--
508687	LWDS-05-BH12	55	ND (250)	--
508810	LWDS-05-BH13	25	260	150
508810	LWDS-05-BH13	30	ND (240)	--
508810	LWDS-05-BH13	32.5	280	150
508810	LWDS-05-BH13	35	310	160
508810	LWDS-05-BH13	37.5	460	200
508810	LWDS-05-BH13	40	270	150
508810	LWDS-05-BH13	45	410	160
508810	LWDS-05-BH13	50	320	160
508810	LWDS-05-BH13	50(D)	510	160
508810	LWDS-05-BH13	55	350	160
508685	LWDS-05-BH14	25	ND (370)	--
508685	LWDS-05-BH14	30	ND (240)	--
508685	LWDS-05-BH14	32.5	ND (240)	--
508685	LWDS-05-BH14	35	ND (240)	--
508685	LWDS-05-BH14	37.5	ND (240)	--
508685	LWDS-05-BH14	40	280	160
508685	LWDS-05-BH14	45	ND (240)	--
508685	LWDS-05-BH14	50	ND (240)	--
508685	LWDS-05-BH14	55	ND (240)	--

Refer to notes at the end of table.

Table B-7 (Concluded)
Summary of Gamma Spectroscopy Analytical Results for SWMU 5 Soil Sampling
March 1994
(Off-Site Laboratory)

Sample Attributes			Activity (EPA Method 906.0[a]) (pCi/L)	
			Tritium	
Record Number[b]	ER Sample ID	Sample Depth (ft)	Result	Error[c]
508685	LWDS-05-BH14	60	**420**	160
508685	LWDS-05-BH14	60	340	160
Background concentration—Southwest Area[d]			420[e]	NA
Quality Assurance/Quality Control Samples (all in pCi/L)				
508805	LWDS-05-BH11	EB	ND (240)	--
508807	LWDS-05-BH12	EB	ND (230)	--
508810	LWDS-05-BH13	EB	ND (240)	--
508685	LWDS-05-BH14	EB	ND (230)	--

Note: Values in **bold** exceed background soil activities.
Uranium-235 and uranium-238 not reported by laboratory.

[a]U.S. Environmental Protection Agency (EPA), November 1986. "Test Methods for Evaluating Solid Waste," 3rd ed. Update III, SW-846, Office of Solid Waste and Emergency Response, U.S. Environmental Protection Agency, Washington, D.C.

[b]Analysis request/chain-of-custody record.

[c]Two standard deviations about the mean detected activity.

[d]From Dinwiddie, R.S. (New Mexico Environment Department). Letter to M.J. Zamorski (U.S. Department of Energy), "Request for Supplemental Information: Background Concentrations Report." September 24, 1997.

[e]Tharp, T. (Sandia National Laboratories, New Mexico [SNL/NM]). Memorandum (unpublished) to F. Nimick. Tritium Background Data Statistical Analysis for Site-Wide Surface Soils. February 1999.

BH = Borehole.
D = Duplicate sample.
EB = Equipment blank.
EPA = U.S. Environmental Protection Agency.
ER = Environmental Restoration.
ft = Foot (feet).
ID = Identification.
NA = Not Applicable.
ND ( ) = Not detected above the minimum detectable activity, shown in parentheses.
NR = Not reported or sampled for interval.
pCi/g = Picocurie(s) per gram.
pCi/L = Picocurie(s) per liter.
SWMU = Solid Waste Management Unit.
-- = Error not calculated for nondetectable results.

Table B-8
Summary of Soil Sampling Metals Analytical Results
TAV-MW6 Borehole
April 2001
(Off-Site Laboratory)

Sample Attributes			Metals (EPA Method 6010B/7471A[a]) (mg/kg)						
Record Number[b]	ER Sample ID	Sample Depth (ft bgs)	Antimony	Arsenic	Barium	Beryllium	Cadmium	Total Chromium	Cobalt
604412	TAV-BH-MW6-20-S	20	0.464 J (0.971)	**4.53**	162	0.491	ND (0.013)	12.7	**5.26**
604412	TAV-BH-MW6-80-S	80	ND (0.237)	3.1	**89.6**	0.333 J (0.495)	**0.901**	14.4	5.13
604412	TAV-BH-MW6-100-S	100	ND (0.237)	2.33	80	0.23 J (0.5)	0.11 J (0.5)	**24.3**	3.85
604415	TAV-BH-MW6-120-S	120	ND (0.237)	3.11	127	0.442 J (0.467)	ND (0.013 J)	13	**6.12**
604415	TAV-BH-MW6-140-S	140	0.487 J (0.971)	3.73	84.1	0.642	ND (0.013)	12.6	5.1
604415	TAV-BH-MW6-160-S	160	ND (0.237)	**4.97**	77.7	**0.692**	ND (0.013)	**19.6**	**5.89**
604415	TAV-BH-MW6-180-S	180	ND (0.237)	3.25	67.6	0.523	ND (0.013)	12.6	4.35
604418	TAV-BH-MW6-200-S	200	ND (0.237)	**5.39**	89.7	**0.684**	ND (0.013)	**18.6 J**	**9.87**
604418	TAV-BH-MW6-200-DU	200	ND (0.237)	**4.71**	89.9	**0.653**	ND (0.013)	**17.1 J**	**6.39**
604418	TAV-BH-MW6-220-S	220	ND (0.237)	**4.42**	48.4	0.491	ND (0.013)	11.6 J	**5.29**
604418	TAV-BH-MW6-240-S	240	ND (0.237)	4.05	140	0.427 J (0.49)	0.19 J (0.49)	**21 J**	**5.93**
604418	TAV-BH-MW6-260-S	260	ND (0.237)	3.24	71.3	0.464 J (0.485)	ND (0.013)	9.77 J	4
604418	TAV-BH-MW6-280-S	280	ND (0.237)	3.62	108	0.488	ND (0.013)	13.5 J	4.78
604435	TAV-BH-MW6-320-S	320	ND (0.237)	2.97	140	**0.735**	ND (0.013)	10.5 J	**5.45**
604435	TAV-BH-MW6-340-S	340	ND (0.237)	**4.89**	72.3	**0.663**	ND (0.013)	13.5 J	**5.27**
604435	TAV-BH-MW6-360-S	360	ND (0.237)	3.9	68	0.501	ND (0.013)	9.37 J	4.4
604435	TAV-BH-MW6-360-DU	360	ND (0.237)	3.65	194	0.472	ND (0.013)	12.1 J	4.48
604435	TAV-BH-MW6-380-S	380	ND (0.237)	3.95	88.6	0.518	ND (0.013)	**21.8 J**	4.6
604435	TAV-BH-MW6-400-S	400	0.461 J (0.943)	3.4	67.8	0.493	ND (0.013)	9.29 J	4.25
604438	TAV-BH-MW6-420-S	420	ND (0.237)	3.46	127	0.629	0.205 J (0.495)	11.6	4.91
604438	TAV-BH-MW6-460-S	460	ND (0.237)	3.37	180	0.619	0.217 J (0.467)	10.6	**5.51**
604438	TAV-BH-MW6-480-S	480	ND (0.237)	3.09	71.4	0.648	0.178 J (0.481)	9.66	**5.32**
604438	TAV-BH-MW6-500-S	500	ND (0.237)	3.07	86.8	**0.655**	0.177 J (0.467)	11	4.39
Background soil concentrations—Southwest Area[c]			3.9	4.4	214	0.65	0.9	15.9	5.2
Quality Assurance/Quality Control Sample (mg/L)									
604435	TAV-BH-MW6-380-EB		ND (0.0038)	ND (0.00457)	0.00045 J (0.005)	ND (0.0002 J)	ND (0.00025)	ND (0.00078)	ND (0.0003)

Refer to footnotes at end of table.

Table B-8 (Continued)
Summary of Soil Sampling Metals Analytical Results
TAV-MW6 Borehole
April 2001
(Off-Site Laboratory)

Sample Attributes			Metals (EPA Method 6010B/7471A[a]) (mg/kg)						
Record Number[b]	ER Sample ID	Sample Depth (ft bgs)	Lead	Mercury	Nickel	Selenium	Thallium	Vanadium	Zinc
604412	TAV-BH-MW6-20-S	20	6.85	ND (0.00455)	10.4	0.885	2.34	28.4	30.1
604412	TAV-BH-MW6-80-S	80	7.49	ND (0.00455)	10.6	1.27	1.86	27.8	28.1
604412	TAV-BH-MW6-100-S	100	4.98	ND (0.00455)	12.7	0.894	3.89	16.3	21.7
604415	TAV-BH-MW6-120-S	120	5.66	ND (0.00455)	11.8	1.23	2.93	21.7	30.7
604415	TAV-BH-MW6-140-S	140	7.7	ND (0.00455)	9.97	0.97	1.65	25.6	32.7
604415	TAV-BH-MW6-160-S	160	6.62	ND (0.00455)	12.5	0.846	2.1	27.6	34
604415	TAV-BH-MW6-180-S	180	5.38	ND (0.00455)	8.57	1.03	2.15	22.7	27.3
604418	TAV-BH-MW6-200-S	200	9.25	0.00838 J (0.00455)	14.4	0.495	ND (0.472)	35.7	36.7
604418	TAV-BH-MW6-200-DU	200	10.4	0.00867 J (0.00455)	16	0.519	ND (0.472)	31.4	37.5
604418	TAV-BH-MW6-220-S	220	6.4	0.00609 J (0.00455)	8.98	0.456 J (0.459)	0.917 J (0.917)	26.9	30.5
604418	TAV-BH-MW6-240-S	240	7.47	0.00653 J (0.00455)	12.7	0.834	1.34	28.4	46.6
604418	TAV-BH-MW6-260-S	260	6.26	ND (0.00455 J)	7.43	0.455 J (0.485)	ND (0.472)	21.5	24.8
604418	TAV-BH-MW6-280-S	280	6.1	ND (0.00455 J)	8.56	0.463 J (0.467)	ND (0.472)	23.8	27
604435	TAV-BH-MW6-320-S	320	7.29	ND (0.00455 J)	9.22	0.37 J (0.472)	ND (0.472)	25.2	38.3
604435	TAV-BH-MW6-340-S	340	7.77	ND (0.00455 J)	10.5	0.563	ND (0.472)	25.1	31.8
604435	TAV-BH-MW6-360-S	360	6.51	ND (0.00455 J)	7.98	0.32 J (0.5)	ND (0.472)	21.6	23.8
604435	TAV-BH-MW6-360-DU	360	6.4	ND (0.00455 J)	8.78	0.46	ND (0.472)	24.5	32.7
604435	TAV-BH-MW6-380-S	380	6.48	ND (0.00455 J)	10.1	0.779	ND (0.472)	21.9	28.6
604435	TAV-BH-MW6-400-S	400	6.34	ND (0.00455 J)	8.34	0.41 J (0.472)	ND (0.472)	20	23.9
604438	TAV-BH-MW6-420-S	420	7.34	ND (0.00455)	9.86	ND (0.135)	ND (0.472)	21.7	34.6
604438	TAV-BH-MW6-460-S	460	7.22	ND (0.00455)	10.1	ND (0.135)	ND (0.472)	23	33.8
604438	TAV-BH-MW6-480-S	480	8.78	ND (0.00455)	9.98	ND (0.135)	ND (0.472)	22.7	33
604438	TAV-BH-MW6-500-S	500	7.52	ND (0.00455)	8.4	0.268 J (0.476)	ND (0.472)	20.2	30.7
Background soil concentrations—Southwest Area[c]			11.8	<0.1	11.5	<1	<1.1	21.5	62
Quality Assurance/Quality Control Sample (mg/L)									
604435	TAV-BH-MW6-380-EB		ND (0.00344)	ND (0.00007 J)	0.00082 J (0.005)	ND (0.00309 J)	ND (0.00413)	ND (0.00109)	ND (0.00281)

Refer to footnotes at end of table.

Table B-8 (Concluded)
Summary of Soil Sampling Metals Analytical Results
TAV-MW6 Borehole
April 2001
(Off-Site Laboratory)

Note: Values in **bold** exceed background soil concentrations.

[a]U.S. Environmental Protection Agency (EPA), November 1986. "Test Methods for Evaluating Solid Waste," 3rd ed. Update III, SW-846, Office of Solid Waste and Emergency Response, U.S. Environmental Protection Agency, Washington, D.C.

[b]Analysis request/chain-of-custody record.

[c]Dinwiddie, R.S. (New Mexico Environment Department). Letter to M.J. Zamorski (U.S. Department of Energy), "Request for Supplemental Information: Background Concentrations Report, SNL/KAFB," September 24, 1997.

bgs = Below ground surface.
BH = Borehole.
DU = Duplicate sample.
EB = Equipment blank.
EPA = U.S. Environmental Protection Agency.
ER = Environmental Restoration.
ft = Foot (feet).
ID = Identification.
J = The associated value is an estimated quantity. See data validation report (Attachment C).
# J ( ) = Estimated value less than the laboratory reporting limit, shown in parentheses. See data validation report (Attachment C).
mg/kg = Milligram(s) per kilogram.
mg/L = Milligram(s) per liter.
MW = Monitoring well.
ND ( ) = Not detected above the method detection limit, shown in parentheses.
ND (# J) = Not detected, uncertainty in the detection limit, shown in parentheses. See data validation report (Attachment C).
S = Soil sample.
TA = Technical Area.

Table B-9
Summary of Metals Analytical Method Detection Limits Used for
TAV-MW6 Borehole Sampling
April 2001
(Off-Site Laboratory)

Analyte	Method Detection Limit for Soil Samples (mg/kg)	Method Detection Limit for Aqueous Samples (mg/L)
Aluminum	1.07	0.0343
Antimony	0.237	0.0038
Arsenic	0.137	0.00457
Barium	0.0148	0.00021
Beryllium	0.00767	0.0002
Cadmium	0.013	0.00025
Calcium	1.94	0.0375
Chromium	0.218	0.00078
Cobalt	0.0545	0.0003
Copper	0.0251	0.00267
Iron	1.96	0.0206
Lead	0.17	0.00344
Magnesium	0.308	0.00449
Manganese	0.0239	0.00294
Mercury	0.00455	0.00007
Nickel	0.0995	0.00074
Potassium	0.866	0.00707
Selenium	0.135	0.00309
Silver	0.0578	0.0002
Sodium	1.25	0.00813
Thallium	0.472	0.00413
Vanadium	0.0594	0.00109
Zinc	0.13	0.00281

mg/kg = Milligram(s) per kilogram.
mg/L = Milligram(s) per liter.
TA = Technical Area.
MW = Monitoring well.

Table B-10
Summary of Soil Sampling VOC Analytical Results, TAV-MW6 Borehole
April 2001
(Off-Site Laboratory)

Sample Attributes			VOCs (EPA Method 8260[a]) (µg/kg)				
Record Number[b]	ER Sample ID	Sample Depth (ft bgs)	2-Butanone	4-methyl-2-Pentanone	Acetone	Methylene chloride	Toluene
604412	TAV-BH-MW6-20-S	20	ND (0.76)	ND (1.34)	ND (10.3)[c]	0.497 J (5)	ND (0.5)
604412	TAV-BH-MW6-80-S	80	ND (0.76)	ND (1.34)	ND (11.3)[c]	0.691 J (5)	ND (0.5)
604412	TAV-BH-MW6-100-S	100	10.7	ND (1.34)	ND (11.8)[c]	0.601 J (5)	0.7 J (1)
604415	TAV-BH-MW6-120-S	120	ND (0.76)	ND (1.34)	ND (11.5)[c]	3.1 J (5)	ND (0.5)
604415	TAV-BH-MW6-140-S	140	10.7	ND (1.34)	ND (11.7)[c]	3.55 J (5)	ND (0.5)
604415	TAV-BH-MW6-160-S	160	10.2	2.18 J (5)	ND (12.8)[c]	1.5 J (5)	ND (0.5)
604415	TAV-BH-MW6-180-S	180	ND (0.76)	ND (1.34)	ND (10.8)[c]	1 J (5)	ND (0.5)
604418	TAV-BH-MW6-200-S	200	ND (0.76)	ND (1.34)	ND (10.7)[c]	ND (5)[c]	ND (0.5)
604418	TAV-BH-MW6-200-DU	200	ND (0.76)	ND (1.34)	ND (10.4)[c]	ND (5)[c]	ND (0.5)
604418	TAV-BH-MW6-220-S	220	ND (0.76)	ND (1.34)	ND (10.4)[c]	ND (5)[c]	ND (0.5)
604418	TAV-BH-MW6-240-S	240	ND (0.76)	ND (1.34)	ND (10.3)[c]	ND (5)[c]	ND (0.5)
604418	TAV-BH-MW6-260-S	260	ND (0.76)	ND (1.34)	ND (11)[c]	ND (5)[c]	ND (0.5)
604418	TAV-BH-MW6-280-S	280	ND (0.76)	ND (1.34)	ND (1)	ND (5)[c]	ND (0.5)
604435	TAV-BH-MW6-320-S	320	ND (0.76)	ND (1.34)	ND (10.4)[c]	ND (5)[c]	ND (0.5)
604435	TAV-BH-MW6-340-S	340	ND (0.76)	ND (1.34)	ND (10.7)[c]	ND (5)[c]	ND (0.5)
604435	TAV-BH-MW6-360-S	360	ND (0.76)	ND (1.34)	ND (11.1)[c]	ND (5)[c]	ND (0.5)
604435	TAV-BH-MW6-360-DU	360	ND (0.76)	ND (1.34)	ND (10.4)[c]	ND (5)[c]	ND (0.5)
604435	TAV-BH-MW6-380-S	380	ND (0.76)	ND (1.34)	ND (10.8)[c]	ND (5)[c]	ND (0.5)
604435	TAV-BH-MW6-400-S	400	ND (0.76)	ND (1.34)	ND (11.4)[c]	ND (5)[c]	ND (0.5)
604438	TAV-BH-MW6-420-S	420	ND (0.76)	ND (1.34)	ND (1)	ND (5)[c]	ND (0.5)
604438	TAV-BH-MW6-460-S	460	ND (0.76)	ND (1.34)	ND (1)	ND (5)[c]	ND (0.5)
604438	TAV-BH-MW6-480-S	480	ND (0.76)	ND (1.34)	10.7 J (5)	ND (5)[c]	ND (0.5)
604438	TAV-BH-MW6-500-S	500	ND (0.76)	ND (1.34)	11.6 J (5)	ND (5)[c]	ND (0.5)
Quality Assurance/Quality Control Samples (µg/L)							
604412	TAV-BH-MW6-20-TB	NA	ND (0.81)	ND (0.7)	ND (0.82)	ND (0.63)	ND (0.22)
604415	TAV-BH-MW6-120-TB	NA	ND (0.81)	ND (0.7)	ND (0.82)	ND (0.63)	ND (0.22)
604418	TAV-BH-MW6-200-TB	NA	ND (0.81)	ND (0.7)	ND (0.82)	ND (5)[c]	ND (0.22)
604435	TAV-BH-MW6-320-TB	NA	ND (0.81)	ND (0.7)	ND (0.82)	ND (5)[c]	ND (0.22)
604435	TAV-BH-MW6-380-EB	NA	ND (0.81)	ND (0.7)	10.9	ND (5)[c]	ND (0.22)
604438	TAV-BH-MW6-420-TB	NA	ND (0.81)	ND (0.7)	ND (0.82)	ND (0.63)	ND (0.22)

Refer to footnotes at end of table.

Table B-10 (Concluded)
Summary of Soil Sampling VOC Analytical Results, TAV-MW6 Borehole
April 2001
(Off-Site Laboratory)

Note: Values in **bold** exceed the method detection limits.
[a]U.S. Environmental Protection Agency (EPA), November 1986. "Test Methods for Evaluating Solid Waste," 3rd ed. Update III, SW-846, Office of Solid Waste and Emergency Response, U.S. Environmental Protection Agency, Washington, D.C.
[b]Analysis request/chain-of-custody record.
[c]Analyte was detected in method blank. Sample result less than 10 times the blank concentration and greater than the reporting limit, shown in parentheses. Samples are qualified nondetect at their respective concentrations.

bgs = Below ground surface.
BH = Borehole.
DU = Duplicate sample.
EB = Equipment blank.
EPA = U.S. Environmental Protection Agency.
ER = Environmental Restoration.
ft = Foot (feet).
ID = Identification.
# J ( ) = Estimated value less than the laboratory reporting limit, shown in parentheses.
µg/kg = Microgram(s) per kilogram.
µg/L = Microgram(s) per liter.
MW = Monitoring well.
NA = Not applicable.
ND ( ) = Not detected above the method detection limit, shown in parentheses.
S = Soil sample.
TA = Technical Area.
TB = Trip blank.
VOC = Volatile organic compound.

Table B-11
Summary of VOC Soil Sample Analytical Method Detection Limits Used for
TAV-MW6 Borehole
April 2001
(Off-Site Laboratory)

Analyte	Method Detection Limit for Soil Samples (µg/kg)	Method Detection Limit for Aqueous Samples (µg/L)
1,1,1-Trichloroethane	0.29	0.18
1,1,2,2-Tetrachloroethane	0.3	0.15
1,1,2-Trichloroethane	0.36	0.11
1,1-Dichloroethane	0.41	0.07
1,1-Dichloroethene	0.262	0.28
1,2-Dichloroethane	0.27	0.14
1,2-Dichloropropane	0.32	0.16
2-Butanone	0.76	0.81
2-Hexanone	0.94	0.79
4-methyl-2-Pentanone	1.34	0.7
Acetone	1	0.82
Benzene	0.39	0.14
Bromodichloromethane	0.35	0.15
Bromoform	0.36	0.1
Bromomethane	0.31	0.24
Carbon disulfide	0.62	0.9
Carbon tetrachloride	0.26	0.16
Chlorobenzene	0.4	0.2
Chloroethane	0.28	0.32
Chloroform	0.47	0.17
Chloromethane	0.35	0.21
Dibromochloromethane	0.41	0.16
Ethyl benzene	0.35	0.15
Methylene chloride	0.44	0.63
Styrene	0.32	0.15
Tetrachloroethene	0.4	0.21
Toluene	0.5	0.22
Trichloroethene	0.72	0.21
Vinyl acetate	0.77	0.44
Vinyl chloride	0.3	0.26
Xylene	1.05	0.44
cis-1,2-Dichloroethene	0.41	0.18
cis-1,3-Dichloropropene	0.28	0.18
trans-1,2-Dichloroethene	0.37	0.31
trans-1,3-Dichloropropene	0.24	0.17

µg/kg = Microgram(s) per kilogram.
µg/L = Microgram(s) per liter.
MW = Monitoring well.
TA = Technical Area.
VOC = Volatile organic compound.

Table B-12
Summary of Soil Sampling Tritium Analytical Results, TAV-MW6 Borehole
April 2001
(Off-Site Laboratory)

Sample Attributes			Tritium Activity (EPA Method 906.0[a]) (pCi/L)	
Record Number[b]	ER Sample ID	Sample Depth (ft bgs)	Results	Error[c]
604412	TAV-BH-MW6-20-S	20	ND (88.9)	--
604415	TAV-BH-MW6-120-S	120	412	128
604415	TAV-BH-MW6-140-S	140	145	112
604415	TAV-BH-MW6-160-S	160	235	118
604415	TAV-BH-MW6-180-S	180	ND (87.4)	--
604418	TAV-BH-MW6-200-S	200	325	110
604418	TAV-BH-MW6-200-DU	200	292	108
604418	TAV-BH-MW6-220-S	220	263	106
604418	TAV-BH-MW6-240-S	240	375	112
604418	TAV-BH-MW6-260-S	260	**573**	122
604418	TAV-BH-MW6-280-S	280	347	110
604435	TAV-BH-MW6-320-S	320	171	98.4
604435	TAV-BH-MW6-340-S	340	143	97
604435	TAV-BH-MW6-360-S	360	200	100
604435	TAV-BH-MW6-360-DU	360	169	97.5
604435	TAV-BH-MW6-380-S	380	204	103
604435	TAV-BH-MW6-400-S	400	114	95
604438	TAV-BH-MW6-420-S	420	146	98.9
604438	TAV-BH-MW6-460-S	460	115	96.1
604438	TAV-BH-MW6-480-S	480	ND (78.8)	--
604438	TAV-BH-MW6-500-S	500	ND (78)	--
Quality Assurance/Quality Control Sample				
604435	TAV-BH-MW6-380-EB	NA	ND (108) R	--
Background Soil Activity[d]			420	NA

Note: Values in **bold** exceed background soil tritium activity.

[a]U.S. Environmental Protection Agency (EPA), November 1986. "Test Methods for Evaluating Solid Waste," 3rd ed. Update III, SW-846, Office of Solid Waste and Emergency Response, U.S. Environmental Protection Agency, Washington, D.C.

[b]Analysis request/chain-of-custody record.

[c]Two standard deviations about the mean detected activity.

[d]Tharp, T. (Sandia National Laboratories, New Mexico [SNL/NM]). Memorandum (unpublished) to F. Nimick. Tritium Background Data Statistical Analysis for Site-Wide Surface Soils. February 1999.

bgs = Below ground surface.
BH = Borehole.
DU = Duplicate sample.
EB = Equipment blank.
EPA = U.S. Environmental Protection Agency.
ER = Environmental Restoration.
ft = Foot (feet).
ID = Identification.
MW = Monitoring well.
NA = Not applicable.
ND ( ) = Not detected above the minimum detectable activity, shown in parentheses.
pCi/L = Picocurie(s) per liter.
R = Rejected data, see data validation report (Attachment C).
S = Soil sample.
TA = Technical Area.
-- = Error not calculated for nondetectable results.

Table B-13
Summary of Soil Sampling Long-Lived Radionuclide Analytical Results, TAV-MW6 Borehole
April 2001
(On-Site Laboratory)

Sample Attributes			Activity (EPA Method 901.1[a]) (pCi/g)											
			Cesium-137		Cobalt-60		Radium-226		Thorium-232		Uranium-235		Uranium-238	
Record Number[b]	ER Sample ID	Sample Depth (ft bgs)	Result	Error[c]	Result	Error[c]	Result	Error[c]	Result	Error[c]	Result	Error[c]	Result	Error[c]
604414	TAV-BH-MW6-20-S	20	ND (0.0418)	--	ND (0.0487)	--	**2.24**	0.725	0.791	0.38	**ND (0.216)**	--	0.868	0.517
604414	TAV-BH-MW6-80-S	80	ND (0.0362)	--	ND (0.041)	--	1.09	0.496	0.456	0.245	**0.173**	0.156	ND (0.524)	--
604414	TAV-BH-MW6-100-S	100	ND (0.026)	--	ND (0.0276)	--	1.11	0.395	0.198	0.138	ND (0.144)	--	ND (0.388)	--
604417	TAV-BH-MW6-120-S	120	ND (0.039)	--	ND (0.0461)	--	**1.89**	0.715	0.772	0.368	ND (0.098)	--	ND (0.585)	--
604417	TAV-BH-MW6-140-S	140	ND (0.0456)	--	ND (0.0501)	--	1.61	0.74	**1.1**	0.524	**ND (0.231)**	--	ND (0.667)	--
604417	TAV-BH-MW6-160-S	160	ND (0.0345)	--	ND (0.0382)	--	1.27	0.526	0.704	0.345	**ND (0.19)**	--	ND (0.534)	--
604417	TAV-BH-MW6-180-S	180	ND (0.0376)	--	ND (0.0428)	--	1.37	0.539	0.537	0.28	**0.183**	0.173	ND (0.555)	--
604420	TAV-BH-MW6-200-S	200	ND (0.0288)	--	ND (0.0349)	--	1.29	0.459	0.54	0.27	ND (0.121)	--	ND (0.462)	--
604420	TAV-BH-MW6-200-DU	200	ND (0.0314)	--	ND (0.0353)	--	1.57	0.509	0.582	0.292	ND (0.094)	--	ND (0.497)	--
604420	TAV-BH-MW6-220-S	220	ND (0.0455)	--	ND (0.0486)	--	**1.77**	0.948	0.608	0.319	**ND (0.225)**	--	0.883	0.565
604420	TAV-BH-MW6-240-S	240	ND (0.0283)	--	ND (0.0371)	--	1.2	0.437	0.435	0.225	ND (0.159)	--	ND (0.426)	--
604420	TAV-BH-MW6-260-S	260	ND (0.0349)	--	ND (0.0405)	--	1.16	0.553	0.628	0.317	ND (0.0862)	--	ND (0.561)	--
604420	TAV-BH-MW6-280-S	280	ND (0.0334)	--	ND (0.0391)	--	1.39	0.522	0.446	0.243	**0.202**	0.158	0.415	0.219
604437	TAV-BH-MW6-320-S	320	ND (0.0317)	--	ND (0.0331)	--	1.12	0.59	0.697	0.334	**ND (0.212)**	--	ND (0.74)	--
604437	TAV-BH-MW6-340-S	340	ND (0.0264)	--	ND (0.0309)	--	1.41	0.497	0.65	0.308	**ND (0.21)**	--	ND (0.722)	--
604437	TAV-BH-MW6-360-S	360	ND (0.0298)	--	ND (0.0377)	--	1.42	0.512	0.74	0.349	ND (0.129)	--	ND (0.768)	--
604437	TAV-BH-MW6-380-S	380	ND (0.0279)	--	ND (0.0315)	--	0.982	0.467	0.611	0.292	**0.199**	0.161	ND (0.678)	--
604437	TAV-BH-MW6-380-DU	380	ND (0.0349)	--	ND (0.0399)	--	1.48	0.529	0.55	0.288	**ND (0.256)**	--	ND (0.863)	--
604437	TAV-BH-MW6-400-S	400	ND (0.0279)	--	ND (0.0328)	--	1.13	0.601	0.643	0.334	**ND (0.206)**	--	ND (0.708)	--
604440	TAV-BH-MW6-420-S	420	ND (0.0295)	--	ND (0.0359)	--	**2.29**	0.766	0.76	0.363	**ND (0.214)**	--	ND (0.743)	--
604440	TAV-BH-MW6-460-S	460	ND (0.0283)	--	ND (0.0313)	--	1.17	0.473	0.576	0.277	**ND (0.198)**	--	ND (0.691)	--
604440	TAV-BH-MW6-480-S	480	ND (0.0287)	--	ND (0.0294)	--	1.69	0.597	0.795	0.366	ND (0.0862)	--	ND (0.693)	--
604440	TAV-BH-MW6-500-S	500	ND (0.0288)	--	ND (0.0324)	--	1.62	0.517	0.816	0.383	**ND (0.218)**	--	ND (0.768)	--
Background Soil Activities—Southwest Area[d]			0.664	NA	NE	NA	1.76	NA	1.01	NA	0.16	NA	1.4	NA

Note: Values in **bold** exceed background soil activities.

[a]U.S. Environmental Protection Agency (EPA), November 1986. "Test Methods for Evaluating Solid Waste," 3rd ed. Update III, SW-846, Office of Solid Waste and Emergency Response, U.S. Environmental Protection Agency, Washington, D.C.

[b]Analysis request/chain-of-custody record.

[c]Two standard deviations about the mean detected activity.

[d]Dinwiddie, R.S. (New Mexico Environment Department). Letter to M.J. Zamorski (U.S. Department of Energy), "Request for Supplemental Information; Background Concentrations Report, SNL/KAFB," September 24, 1997.

bgs = Below ground surface.
BH = Borehole.
DU = Duplicate sample.
EPA = U.S. Environmental Protection Agency.
ER = Environmental Restoration.
ft = Foot (feet).
ID = Identification.
KAFB = Kirtland Air Force Base.
MW = Monitoring well.
NA = Not applicable.
ND ( ) = Not detected above the minimum detectable activity, shown in parentheses.
ND ( ) = Not detected, but minimum detectable activity (shown in parentheses) exceeds background activity.
NE = Not established.
pCi/g = Picocurie(s) per gram.
S = Soil sample.
SNL = Sandia National Laboratories.
TA = Technical Area.
-- = Error not calculated for nondetectable results.

Attachment C
Data Validation Reports for 2001 Data

Sample Findings Summary

Site: TA3/5 Assessment GWM

AR/COC: 604412/604415

Data Type: Radiochemical

Sample ID	Method/CAS Number (Analysis/Analyte)															
		All QC acceptance criteria were met.														
		No sample data were qualified.														

Validated By: Mr. Kenneth Salaz

Date: 8/02/01

Site: TA3/5 Assessment GWM

AR/COC: 604412/604415

Data Type: Organic

Sample ID	Method/CAS Number (Analysis/Analyte)														
	67-64-1 (acetone)	75-00-3 (chloroethane)	79-01-6 (trichloroethene)	108-05-4 (Vinyl acetate)											
COC 0004112															
054888-001 TAV-BH-MW8-20-S	10.3U,B	U	U	R											
054888-001 TAV-BH-MW8-60-S	11.3U,B	U	U	R											
054889-001 TAV-BH-MW8-100-S	11.8U,B	U	U	R											
054915-001 TAV-BH-MW8-20-TB			U	R											
COC 0004115															
054890-001 TAV-BH-MW8-120-S	11.8U,B	U	U	R											
054891-001 TAV-BH-MW8-140-S	11.7U,B	U	U	R											
054892-001 TAV-BH-MW8-160-S	12.8U,B	U	U	R											
054893-001 TAV-BH-MW8-180-S	10.9U,B	U	U	R											
054916-001 TAV-BH-MW8-120-TB			U	R											

Validated By: Mr. Kenneth Salas

Date: 8/02/01

Sample Findings Summary

Site: TA3/5 Assessment GWM | AR/COC: 604412/604415 | Data Type: Inorganic

Sample ID	Method/CAS Number (Analysis/Analyte)														
	7440-70-2 (Ca)	7440-43-9 (Cd)	7440-09-7 (K)	7440-23-5 (Na)	7440-62-2 (V)	7440-36-0 (Sb)	7440-66-6 (Zn)								
COC 6994112															
054686-002 TAV-BH-MW6-20-S	J		J,A2	J,A2	J,A2	J,A2,B3									
054688-002 TAV-BH-MW6-60-S	J		J,A2	J,A2	J,A2	UJ,A2									
054689-002 TAV-BH-MW6-100-S	J		J,A2	J,A2	J,A2	UJ,A2									
COC 6994116															
054690-002 TAV-BH-MW6-120-S	J	UJ,B3	J,A2	J,A2	J,A2	UJ,A2	J,B3								
054691-002 TAV-BH-MW6-140-S	J		J,A2	J,A2	J,A2	J,A2,B3									
054692-002 TAV-BH-MW6-160-S	J		J,A2	J,A2	J,A2	UJ,A2									
054693-002 TAV-BH-MW6-180-S	J		J,A2	J,A2	J,A2	UJ,A2									

Validated By: Mr. Kenneth Sales

Date: 8/02/01

Analytical Quality Associates, Inc.
616 Maxine NE
Albuquerque, NM 87123
Phone: 505-299-5201
Fax: 505-299-6744
Email: minteer@aol.com

MEMORANDUM

DATE: August 2, 2001

TO: File

FROM: Kenneth Salaz

SUBJECT: Radiochemical Data Review and Validation - SNL
TA3/5 Assessment GWM, ARCOC #604412/604415,
GEL SDG #41150, Project/Task No. 7219.01.05

See the attached Data Validation Worksheets for supporting documentation on the data review and validation.

Summary

All samples were prepared and analyzed with approved procedures using methods EPA906.0 Tritium. No problems were identified with the data package that result in the qualification of data.

Data are acceptable. QC measures appear to be adequate. The following sections discuss the data review and validation.

Holding Times/Preservation

All samples were analyzed within the prescribed holding times and properly preserved.

Calibration

The case narrative stated that the instrument used was properly calibrated.

Blanks

No target analytes were detected in the method blank at concentrations greater than (>) the associated MDA.

Matrix Spike (MS) Analysis

The MS analysis met all QC acceptance criteria.

Laboratory Control Sample (LCS) Analysis

The LCS analysis met all QC acceptance criteria.

Replicates

The replicate analysis met all QC acceptance criteria.

Tracer/Carrier Recoveries

No tracer/carrier was required for this method.

Negative Bias

All sample results met negative bias QC acceptance criteria.

Other QC

No field duplicate, equipment blank (EB), or field blank (FB) was submitted on the ARCOC.

No other specific issues were identified which affect data quality.

Please contact me if you have any questions or comments regarding the review of this package.

Analytical Quality Associates, Inc.
616 Maxine NE
Albuquerque, NM 87123
Phone: 505-299-5201
Fax: 505-299-6744
Email: minteer@aol.com

MEMORANDUM

DATE: August 2, 2001

TO: File

FROM: Kenneth Salaz

SUBJECT: Organic Data Review and Validation - SNL
TA3/5 Assessment GWM, ARCOC #604412/604415,
GEL SDG #41150/41151, Project/Task No. 7219.01.05

See the attached Data Validation Worksheets for supporting documentation on the data review and validation.

Summary

All samples were prepared and analyzed with approved procedures using method EPA8260A/B VOCs. Problems were identified with the data package that result in the qualification of data.

1. The initial calibration response factors (RFs) of trichloroethene for the trip blanks (TBs) and the soil samples were less than (<) the required minimum but greater than (>) 0.01. All associated sample results were non-detect (ND) and will be qualified "UJ." The continuing calibration verification (CCV) percent differences (%Ds) of vinyl acetate for the TBs and the soil samples were >60%. All associated sample results were ND and will be qualified "R" (unusable). The CCV %D of chloroethane for the soil samples was >40% but <60%. All associated sample results were ND and will be qualified "UJ."

2. In the method blank for the soil samples, acetone was detected. All associated sample results were detects, <10X the blank concentration, > the reporting limit (RL), and will be qualified "U,B" at their respective concentrations.

Data are acceptable except as noted above. QC measures appear to be adequate. The following sections discuss the data review and validation.

Holding Times/Preservation

All samples were analyzed within the prescribed holding time and properly preserved.

Calibration

The initial and continuing calibrations met QC acceptance criteria except as noted above in the summary section and the following. The CCV %D of chloromethane for the TBs was >20% but <40%. However, all associated sample results were ND. Thus, no sample data were qualified.

Blanks

No target analytes were detected in the method blanks except as noted above in the summary section and the following. In the method blank for the TBs, acetone was detected. However, all associated sample results were ND. Thus, no sample data were qualified.

Surrogates

The surrogate %Rs met QC acceptance criteria.

Internal Standards (ISs)

The IS areas and retention times (RTs) met QC acceptance criteria.

Matrix Spike/Matrix Spike Duplicate (MS/MSD) Analysis

The MS/MSD analyses for the soil samples met all QC acceptance criteria. The MS/MSD analyses for the TBs were performed on a sample from another SDG. No sample data were qualified as a result. The case narrative stated that all QC acceptance criteria were met.

Laboratory Control Samples (LCS/LCSD) Analysis

The LCS/LCSD analyses met all QC acceptance criteria.

Other QC

No target analytes were detected in the TBs. No field duplicate or equipment blank (EB) was submitted on the ARCOC.

No other specific issues were identified which affect data quality.

Please contact me if you have any questions or comments regarding the review of this package.

Analytical Quality Associates, Inc.
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Email: minteer@aol.com

MEMORANDUM

DATE: August 2, 2001

TO: File

FROM: Kenneth Salaz

SUBJECT: Inorganic Data Review and Validation - SNL
TA3/5 Assessment GWM, ARCOC #604412/604415,
GEL SDG #41150, Project/Task No. 7219.01.05

See the attached Data Validation Worksheets for supporting documentation on the data review and validation.

Summary

All samples were prepared and analyzed with approved procedures using methods EPA6010B ICP-AES and EPA7470A CVAA. Problems were identified with the data package that result in the qualification of data.

1. ICP Analysis: In the continuing calibration blank (CCB) for sample 41150-008, zinc (Zn) was detected at a concentration greater than (>) the reporting limit (RL). This sample should have been re-digested and re-analyzed for this analyte but was not. The associated sample result was less than (<) 10X the blank concentration and will be qualified "J,B3." In the initial calibration blanks (ICBs) and CCBs, antimony (Sb) was detected. The associated results of samples -009 and -012 were detects, less than (<) 5X the blank concentrations, and will be qualified "J,B3." In the CCB for sample -008, cadmium (Cd) was detected at a negative concentration. The absolute value was > the detection limit (DL) but < the RL. The associated sample result was non-detect (ND) and will be qualified "UJ,B3."

2. ICP Analysis: The MS percent recovery (%R) of antimony (Sb) was <75% but >30%. The associated results of samples 41150-009 and -012 were detects and will be qualified "J,A2." All other associated sample results were ND and will be qualified "UJ,A2." The MS %Rs of potassium (K), sodium (Na), and vanadium (V) were >125%. All associated sample results were detects and will be qualified "J,A2."

3. ICP Analysis: The serial dilution relative percent difference (RPD) of calcium (Ca) was >10%. All associated sample results were detects, >50X the RL, and will be qualified "J."

Data are acceptable. QC measures appear to be adequate. The following sections discuss the data review and validation.

Holding Times/Preservation

All Analyses: All samples were analyzed within the prescribed holding times and properly preserved.

Calibration

All Analyses: The initial and continuing calibrations met all QC acceptance criteria.

Blanks

ICP Analysis: No target analytes were detected in the blanks except as noted above in the summary section and the following. In the ICB and/or CCB, aluminum (Al), calcium (Ca), iron (Fe), K, and Na were detected. In the method blank, Al and K were detected. However, all associated sample results were >5X the blank concentration. Thus, no sample data were qualified. In the ICB and/or CCB, Ca, copper (Cu), Mg, K, Na, and Zn were detected at negative concentrations. The absolute values were > the DL but < the RL. However, all associated sample results were >5X the DL. Thus, no sample data were qualified.

CVAA Analysis: No target analytes were detected in the blanks.

Matrix Spike/Matrix Spike Duplicate (MS/MSD) Analyses

ICP Analysis: The MS analysis met QC acceptance criteria except as noted above in the summary section. No MSD analysis was performed. The replicate analysis was used as a measure of laboratory precision.

CVAA Analysis: The MS analysis met all QC acceptance criteria. No MSD analysis was performed. The replicate analysis was used as a measure of laboratory precision.

Laboratory Control Sample (LCS/LCSD) Analyses

ICP Analysis: The LCS/LSD analyses met QC acceptance criteria except for the following. The LCSD RPD of Sb was > the QC acceptance limit. However, the LCS/LCSD %Rs met QC acceptance criteria. Thus, no sample data were qualified.

CVAA Analysis: The LCS/LSD analyses met all QC acceptance criteria.

Replicate Analysis

ICP Analysis: The replicate analysis met QC acceptance criteria except for the following. The replicate RPD for barium (Ba) was slightly >35%. However, all other QC acceptance criteria were met. Thus, no sample data were qualified.

CVAA Analysis: The replicate analysis met all QC acceptance criteria.

ICP Interference Check Sample (ICS)

ICP Analysis: The ICS met all QC acceptance criteria.

CVAA Analysis: No ICS was required for this method.

ICP Serial Dilution

ICP Analysis: The serial dilution analysis met QC acceptance criteria except as noted above in the summary section.

CVAA Analysis: No serial dilution was required for this method.

Other QC

All Analyses: No field duplicate, equipment blank (EB), or field blank (FB) was submitted on the ARCOC.

No other specific issues were identified which affect data quality.

Please contact me if you have any questions or comments regarding the review of this package.

Data Validation Summary

Site/Project: B3/5 Assessment GWM Project/Task #: 7219.01.05 # of Samples: 21 Matrix: 19 soil/2 aqueous

AR/COC #: 604412 / 604415 Laboratory Sample IDs: 41150-001 to -019

Laboratory: GEL 41151-001 + -002

SDG #: 41150 / 41151

QC Element	Organics: VOC	Organics: SVOC	Organics: Pesticide/PCB	Organics: HPLC/HE	Inorganics: ICP/AES	Inorganics: GFAA/AA	Inorganics: CVAA (Hg)	Inorganics: CN	RAD	Other
1. Holding Times/Preservation	✓				✓	NA	✓	NA	✓	NA
2. Calibrations	R,UJ				✓		✓		✓	
3. Method Blanks	U,B				J,BJ UJ,BJ ✓		✓		✓	
4. MS/MSD	✓				J,R UJ,R		✓		✓	
5. Laboratory Control Samples	✓		NA		✓		✓		✓	
6. Replicates					✓		NA		✓	
7. Surrogates	✓									
8. Internal Standards	✓									
9. TCL Compound Identification	✓									
10. ICP Interference Check Sample					✓					
11. ICP Serial Dilution					J					
12. Carrier/Chemical Tracer Recoveries									NA	
13. Other QC	✓				NA		NA		✓	

J = Estimated
U = Not Detected
UJ = Not Detected, Estimated
R = Unusable

Check (✓) = Acceptable
Shaded Cells = Not Applicable (also "NA")
NP = Not Provided
Other: ________

Reviewed By: [signature] Date: 8/2/01

Volatile Organics (SW 846 Method 8260)

Site/Project: [illegible] GUM AR/COC #: 604412/604415 # of Samples: 7 Matrix: soil

Laboratory: GEL SDG #: 41150 Laboratory Sample IDs: 41150-001 to -007

Methods: EPA 8260A Batch #: 75430

#	CAS #	Compound				>.05	<20% / 0.99	20%												
1	74-87-3	Chloromethane	✓	0.10	✓	✓	✓	✓	✓							NA	NA	✓		
1	74-83-9	Bromomethane		0.10	✓	✓	✓													
[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]													
1	75-00-3	Chloroethane		0.01	NA	✓	✓	-44.8												
1	75-09-2	methylene chloride (10nbh)		0.01	✓	✓	✓	✓	✓											
1	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]		[illegible]											
1	75-15-0	carbon disulfide		0.10	✓	✓	✓		✓											
1	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]													
[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]													
1	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]													
1	107-06-2	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]													
1	78-93-3	2-butanone		[illegible]	[illegible]	[illegible]	[illegible]													
2	71-55-6	1,1,1-trichloroethane		0.10	NA	✓	✓													
2	56-23-5	carbon tetrachloride		0.10	[illegible]	[illegible]	[illegible]													
2	75-27-4	Bromodichloromethane		0.20		✓	✓													
[illegible]	78-87-5	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]													
2	10061-01-5	cis-1,3-dichloropropene		0.20		✓	✓													
[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]													
2	124-48-1	Dibromochloromethane		0.10		✓	✓													
2	79-00-5	1,1,2-trichloroethane		0.10	✓	✓	✓													
[illegible]	71-43-2	[illegible]		[illegible]	[illegible]	[illegible]	✓													
2	10061-02-6	trans-1,3-dichloropropene		0.10	NA	✓	✓													
2	75-25-2	Bromoform		0.10		✓	✓													
3	108-10-1	4-methyl-2-pentanone		0.10		✓	✓													
3	591-78-6	2-hexanone		0.01		✓	✓													
[illegible]	127-18-4	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]													
3	79-34-5	1,1,2,2-tetrachloroethane		0.30		✓	✓													
3	108-88-3	toluene(10nbh)		0.40		✓	✓			✓	✓	✓	✓	✓	✓					
[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]													
3	100-41-4	Ethylbenzene		0.10		✓	✓													
3	100-42-5	Styrene		0.30	✓	✓	✓													
3	1330-20-7	xylenes(total)		0.30	✓	✓	✓													
[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]													
	108-05-4	Vinyl Acetate	✓		NA	✓	✓	62.9	✓							✓	✓	✓		

Comments:
(1) No [illegible] dup. submitted.

Notes: Shaded rows are RCRA compounds.

NA = Not Applicable

Reviewed By: [signature] Date: 8/1/01

Volatile Organics

Site/Project: FAJS Assessment Gun AR/COC #: 604112/604415 Batch #: 75430

Laboratory: GEL SDG #: 41150 # of Samples: 7 Matrix: soil

Surrogate Recovery and Internal Standard Outliers (SW 846 Method 8260)

Sample	SMC 1	SMC 2	SMC 3	IS 1 Area	IS 1 RT	IS 2 Area	IS 2 RT	IS 3 Area	IS 3 RT
All									
Passed									

SMC 1: Bromofluorobenzene
SMC 2: Dibromofluoromethane
SMC 3: Toluene-d8

IS 1: Fluorobenzene
IS 2: Chlorobenzene-d5
IS 3: 1,4-Dichlorobenzene-d4

Comments:

Volatile Organics (SW 846 Method 8260)

Site/Project: TA3/5 Assessment GWM AR/COC #: 604412/604415 # of Samples: 2 Matrix: aqueous

Laboratory: GEL SDG #: 41151 Laboratory Sample IDs: 41151-001 + -002 (TB)

Methods: SW 8260B Batch #: 74916

#	CAS #	[illegible]				>.85	<20%/0.99	20%												
1	74-87-3	Chloromethane	✓	0.10	NA	✓	✓	21.8	✓							ND	NA	NA		
1	74-83-9	Bromomethane	✓	0.10		✓	✓	✓												
[illegible]	[illegible]	[illegible]	✓	[illegible]																
1	75-00-3	Chloroethane	✓	0.01		✓	✓													
1	75-09-2	methylene chloride (10xMDL)	✓	0.01	✓	✓	✓		✓											
[illegible]	[illegible]	[illegible]		[illegible]																
1	75-15-0	carbon disulfide	✓	0.10		✓	✓		✓											
[illegible]	[illegible]	[illegible]		[illegible]																
[illegible]	[illegible]	[illegible]		[illegible]																
[illegible]	[illegible]	[illegible]		[illegible]																
[illegible]	[illegible]	[illegible]		[illegible]																
[illegible]	[illegible]	[illegible]		[illegible]																
2	71-55-6	1,1,1-trichloroethane	✓	0.10		✓	✓													
2	56-23-5	[illegible]	✓	[illegible]		✓	✓													
2	75-27-4	Bromodichloromethane	✓	0.20		✓	✓													
2	78-87-5	[illegible]		[illegible]		✓	✓													
2	10061-01-5	cis-1,3-dichloropropene	✓	0.20		✓	✓													
[illegible]	79-01-[illegible]	[illegible]		[illegible]																
2	124-48-1	Dibromochloromethane	✓	0.10		✓	✓													
2	79-00-5	1,1,2-trichloroethane	✓	0.10		✓	✓													
[illegible]	[illegible]	[illegible]		[illegible]																
2	10061-02-6	trans-1,3-dichloropropene	✓	0.10		✓	✓													
2	75-25-2	Bromoform	✓	0.10		✓	✓													
3	108-10-1	4-methyl-2-pentanone	✓	0.10		✓	✓													
3	591-78-6	2-hexanone	✓	0.01		✓	✓													
[illegible]	127-18-4	[illegible]		[illegible]		✓	✓													
3	79-34-5	1,1,2,2-tetrachloroethane	✓	0.30		✓	✓													
3	108-88-3	toluene (10xMDL)	✓	0.40		✓	✓			✓	✓	✓	NA	NA	NA					
[illegible]	[illegible]	[illegible]		[illegible]																
3	100-41-4	Ethylbenzene	✓	0.10		✓	✓													
3	100-42-5	Styrene	✓	0.30		✓	✓													
3	1330-20-7	xylenes(total)	✓	0.30		✓	✓													
[illegible]	[illegible]	[illegible]		[illegible]																
	108-05-4	Vinyl Acetate	✓			✓	✓	70.5												

Comments:
(1) MS/MSD performed on a sample from another SDG. Case narrative stated all QC criteria were met.

Notes: Shaded rows are RCRA compounds.

Reviewed By: [signature] Date: 8/1/01

Volatile Organics

Site/Project: TA3/5 Agreement Gum AR/COC #: 604412/604415 Batch #s: 74968

Laboratory: GEL SDG #: 41151 # of Samples: 2 Matrix: aqueous

Surrogate Recovery and Internal Standard Outliers (SW 846 Method 8260)

Sample	SMC 1	SMC 2	SMC 3	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
All									
Passed									

SMC 1: Bromofluorobenzene
SMC 2: Dibromofluormethane
SMC 3: Toluene-d8

IS 1: Fluorobenzene
IS 2: Chlorobenzene-d5
IS 3: 1,4-Dichlorobenzene-d4

Comments:

Inorganic Metals

Site/Project: TA3/5 Assessment GWM AR/COC #: 604412/604415 Laboratory Sample IDs: 41150-008 to -014

Laboratory: GEL SDG #: 41150

Methods: EPA 6010B (ICP-AES), EPA 7470A (CVAA)

# of Samples: 7 Matrix: soil Batch #s: 74657, 75920

Analyte	TAL	ICV	CCV	(1) ICB	(2) CCB	Method Blanks	LCS	LCSD	LCSD RPD	MS	MSD	MSD RPD	Rep. RPD	ICS AB	Serial Dilution	(3) Field Dup. RPD	Equip. Blanks	Field Blanks	(4) CCB	
7429-90-5 Al	✓	✓	✓	✓	21.6/41.2	40	✓	✓	✓	NA	NA	NA	✓	✓	✓	NA	NA	NA		
[illegible]																				
7440-41-7 Be	✓				✓					✓			NA		NA					
[illegible]																				
7440-70-2 Ca	✓			3.92	[illegible]					NA			✓		12.7					
[illegible]																				
7440-48-4 Co	✓				✓								✓		NA					
7440-50-8 Cu	✓			-1.0	[illegible]					↓			✓		NA					
7439-89-6 Fe	✓			↓	[illegible]					NA			✓		✓					
7439-95-4 Mg	✓			-7.28	✓								✓		✓					
7439-96-5 Mn	✓			✓	✓					↓			✓		✓					
7440-02-0 Ni	✓			✓	✓	↓				✓			✓		NA					
7440-09-7 K	✓			✓	[illegible]	3.19				493			✓		[illegible]				✓	
[illegible]																				
7440-23-5 Na	✓			12.0	[illegible]					141			✓		NA					
7440-62-2 V	✓			✓	✓					138			✓		NA					
7440-66-6 Zn	✓	↓	↓	-1.65	131/419	↓	↓	↓	↓	✓	↓	↓	✓	↓	✓					
[illegible]																				
[illegible]																				
[illegible]																				
7440-36-0 Sb	✓			6.04	[illegible]				29	59			NA		NA					
7440-28-0 Tl	✓	↓	↓	✓	✓	↓	↓	↓	✓	✓	↓	↓	✓	↓	NA					
[illegible]																				
Cyanide CN																				

Notes: Shaded rows are RCRA metals. Solids-to-aqueous conversion: mg/kg = µg/g : [(µg/g) x (sample mass (g) / sample vol. (ml)) x (1000 ml / 1 liter)] / Dilution Factor = µg/l NA = Not Applicable

Comments: (1) 2nd Ca entry applies to samples -008, -012, & -014 only. (2) 1st K entry applies to samples -009 to -011 only. 2nd K entry applies to samples -008 & -012 only. 1st (all other) entries apply to sample -008 only. 2nd Na & Zn results apply to all samples. 1st Zn entry > RL. (3) No field dup submitted. (4) K entry applies to all the samples.

Reviewed By: [signature] Date: 8/1/01

Radiochemistry

Site/Project: TA35 Assessment Sum AR/COC #: 609412/609415 Laboratory Sample IDs: 41150-015 to -019

Laboratory: GEL SDG #: 41150

Methods: EPA 906.0(H3)

# of Samples: 5 Matrix: soil Batch #: 74927

Analyte	Method Blanks	LCS	MS	Rep RER	Equip. Blanks	Field Dup. RER	Field Blanks	Sample ID	Isotope	IS/Trace	Sample ID	Isotope	IS/Trace
Criteria	U	20%	25%	<1.0	U	<1.0	U			50-105			50-105
H3	✓	✓	✓	✓	NA	NA	NA	NA					
U-238													
U-234													
U-235/-236													
Th-232													
Th-228													
Th-230													
Pu-239/-240													
Gross Alpha													
Nonvolatile Beta													
Ra-226													
Ra-228													
Ni-63													
Gamma Spec. Am-241													
Gamma Spec. Cs-137													
Gamma Spec. Co-60													

Comments:
① No field dup submitted

NA = Not Applicable

Parameter	Method	Typical Tracer	Typical Carrier
Iso-U	Alpha spec.	U-232	NA
Iso-Pu	Alpha spec.	Pu-242	NA
Iso-Th	Alpha spec.	Th-229	NA
Am-241	Alpha spec.	Am-243	NA
Sr-90	Beta	Y Ingrowth	NA
Ni-63	Beta	NA	Ni by ICP
Ra-226	Deemanation	NA	NA
Ra-226	Alpha spec.	Ba-133 or Ra-225	NA
Ra-228	Gamma spec.	Ba-133	NA

Gamma spec. LCS contains: Am-241, Cs-137, and Co-60

Reviewed By: [signature] Date: 8/22/01

Contract Verification Review (CVR)

Project Leader LAI | Project Name TA 3/5 ASSESSMENT GWM | Case No. 7218-01.05

AR/COC No. 604412 & 604415 | Analytical Lab GEL | SDG No. 41150A & B

In the tables below, mark any information that is missing or incorrect and give an explanation.

1.0 Analysis Request and Chain of Custody Record and Log-In Information

Line No.	Item	Complete? Yes	Complete? No	If no, explain	Resolved? Yes	Resolved? No
1.1	All items on COC complete - data entry clerk initialed and dated	X				
1.2	Container type(s) correct for analyses requested	X				
1.3	Sample volume adequate for # and types of analyses requested	X				
1.4	Preservative correct for analyses requested	X				
1.5	Custody records continuous and complete	X				
1.6	Lab sample number(s) provided and SNL sample number(s) cross referenced and correct	X				
1.7	Date samples received	X				
1.8	Condition upon receipt information provided	X				

2.0 Analytical Laboratory Report

Line No.	Item	Complete? Yes	Complete? No	If no, explain	Resolved? Yes	Resolved? No
2.1	Data reviewed, signature	X				
2.2	Method reference number(s) complete and correct	X				
2.3	QC analysis and acceptance limits provided (MB, LCS, Replicate)	X				
2.4	Matrix spike/matrix spike duplicate data provided(if requested)	X				
2.5	Detection limits provided: PQL and MDL(or IDL), MDA and L_c	X				
2.6	QC batch numbers provided	X				
2.7	Dilution factors provided and all dilution levels reported	X				
2.8	Data reported in appropriate units and using correct significant figures	X				
2.9	Radiochemistry analysis uncertainty (2 sigma error) and tracer recovery (if applicable) reported	X				
2.10	Narrative provided	X				
2.11	TAT met	X				
2.12	Hold times met	X				
2.13	Contractual qualifiers provided	X				
2.14	All requested result and TIC (if requested) data provided	X				

Contract Verification Review (Continued)

3.0 Data Quality Evaluation

Item	Yes	No	If no, Sample ID No./Fraction(s) and Analysis
3.1 Are reporting units appropriate for the matrix and meet contract specified or project-specific requirements? Inorganics and metals reported as ppm (mg/liter or mg/Kg)? Tritium reported in picocuries per liter with percent moisture for soil samples? Units consistent between QC samples and sample data	X		
3.2 Quantitation limit met for all samples	X		
3.3 Accuracy a) Laboratory control samples accuracy reported and met for all samples	X		
b) Surrogate data reported and met for all organic samples analyzed by a gas chromatography technique	X		
c) Matrix spike recovery data reported and met	X		
3.4 Precision a) Replicate sample precision reported and met for all inorganic and radiochemistry samples		X	RPD FOR BARIUM OUTSIDE ACCEPTANCE LIMITS
b) Matrix spike duplicate RPD data reported and met for all organic samples	X		
3.5 Blank data a) Method or reagent blank data reported and met for all samples		X	ACETONE DETECTED IN VOC METHOD BLANK
b) Sampling blank (e.g., field, trip, and equipment) data reported and met	X		
3.6 Contractual qualifiers provided: "J"- estimated quantity; "B"-analyte found in method blank above the MDL for organic or above the PQL for inorganic; "U"-analyte undetected (results are below the MDL, IDL, or MDA (radiochemical)); "H"-analysis done beyond the holding time	X		
3.7 Narrative addresses planchet flaming for gross alpha/beta	NA		
3.8 Narrative included, correct, and complete	X		
9 Second column confirmation data provided for methods 8330 (high explosives) and pesticides/PCBs	X		

Contract Verification Review (Continued)

4.0 Calibration and Validation Documentation

Item	Yes	No	Comments
4.1 GC/MS (8260, 8270, etc.)			
a) 12-hour tune check provided	X		
b) Initial calibration provided	X		
c) Continuing calibration provided	X		
d) Internal standard performance data provided	X		
e) Instrument run logs provided	X		
4.2 GC/HPLC (8330 and 8010 and 8082)			
a) Initial calibration provided	NA		
b) Continuing calibration provided	NA		
c) Instrument run logs provided	NA		
4.3 Inorganics (metals)			
a) Initial calibration provided	X		
b) Continuing calibration provided	X		
c) ICP interference check sample data provided	X		
d) ICP serial dilution provided	X		
e) Instrument run logs provided	X		
4 Radiochemistry			
a) Instrument run logs provided	X		

Contract Verification Review (Concluded)

5.0 Problem Resolution

Summarize the findings in the table below. List only samples/fractions for which deficiencies have been noted.

Sample/Fraction No.	Analysis	Problems/Comments/Resolutions
ALL	METALS	NEGATIVE VALUES REPORTED IN QC SUMMARY

Were deficiencies unresolved? ☑ Yes ☐ No

Based on the review, this data package is complete. ☐ Yes ☑ No

If no, provide: nonconformance report or correction request number 2522 and date correction request was submitted: 6-4-2001

Reviewed by: W. Palencia Date: 6-4-2001 Closed by: W. Palencia Date: 6-13-01

Sample Findings Summary

Site: T/A 3/5 Assessment GWM | AR/COC: 604418/604435 | Data Type: Organic, Inorganic, and Rad

Sample ID	74-83-9 (bromomethane)	75-09-2 (methylene chloride)	108-05-4 (vinyl acetate)	74-87-3 (chloromethane)	67-64-1 (acetone)	7429-90-5 (aluminum)	7440-22-4 (silver)	7440-41-7 (beryllium)	7782-49-2 (selenium)	7439-97-6 (mercury)	7440-70-2 (calcium)	7440-36-0 (antimony)	7440-47-3 (chromium)	7440-48-4 (cobalt)	7440-09-7 (potassium)	10028-17-8 (tritium)	
054894-001 / TAV-SH-MW8-200-S		5 U, B1	U	U	10.7 U, B, B2												
054895-001 / TAV-SH-MW8-200-DU		5 U, B1	U	U	10.4 U, B, B2												
054896-001 / TAV-SH-MW8-220-S		5 U, B1	U	U	10.4 U, B, B2												
054897-001 / TAV-SH-MW8-240-S		5 U, B1	U	U	10.3 U, B, B2												
054898-001 / TAV-SH-MW8-260-S		5 U, B1	U	U	11.0 U, B, B2												
054899-001 / TAV-SH-MW8-280-S		5 U, B1	U	U													
054901-001 / TAV-SH-MW8-320-S		5 U, B1	U	U	10.4 U, B, B2												
054902-001 / TAV-SH-MW8-340-S		5 U, B1	U	U	10.7 U, B, B2												
054903-001 / TAV-SH-MW8-360-S		5 U, B1	U	U	11.1 U, B, B2												
054905-001 / TAV-SH-MW8-360-DU		5 U, B1	U	U	10.4 U, B, B2												
054904-001 / TAV-SH-MW8-380-S		5 U, B1	U	U	10.8 U, B, B2												
054905-001 / TAV-SH-MW8-400-S		5 U, B1	U	U	11.4 U,B, B2												
054894-002 / TAV-SH-MW8-200-S										J, B3		UJ, A2	J, A2, P1	J, P1	J		
054895-002 / TAV-SH-MW8-200-DU										J, B3		UJ, A2	J, A2, P1	J, P1	J		
054896-002 / TAV-SH-MW8-220-S										J, B3		UJ, A2	J, A2, P1	J, P1			
054897-002 / TAV-SH-MW8-240-S										J, B3		UJ, A2	J, A2, P1	J, P1			
054898-002 / TAV-SH-MW8-260-S										UJ, B3		UJ, A2	J, A2, P1	J, P1	J		
054899-002 / TAV-SH-MW8-280-S										UJ, B3		UJ, A2	J, A2, P1	J, P1	J		
054901-002 / TAV-SH-MW8-320-S										UJ, B3		UJ, A2	J, A2, P1	J, P1	J		
054902-002 / TAV-SH-MW8-340-S										UJ, B3		UJ, A2	J, A2, P1	J, P1	J		
054903-002 / TAV-SH-MW8-360-S										UJ, B3		UJ, A2	J, A2, P1	J, P1	J		
054905-002 / TAV-SH-MW8-360-DU										UJ, B3		UJ, A2	J, A2, P1	J, P1	J		
054904-002 / TAV-SH-MW8-380-S										UJ, B3		UJ, A2	J, A2, P1	J, P1	J		
054905-002 / TAV-SH-MW8-400-S										UJ, B3		J, B3, A2	J, A2, P1	J, P1	J		
054917-001 / TAV-SH-MW8-200-S	U	5 U,B	U														
054920-001 / TAV-SH-MW8-320-TB	U	5 U,B	U														
054921-001 / TAV-SH-MW8-360-EB	U	5 U,B	U														
054921-002 / TAV-SH-MW8-360-EB						J, B3	J, B, B3	J, B3	J, B3	J, B3	J, B3						
054921-003 / TAV-SH-MW8-360-EB																R	

Validated By: _____ Date: 06/28/01

Analytical Quality Associates, Inc.
616 Maxine NE
Albuquerque, NM 87123
Phone: 505-299-5201
Fax: 505-299-6744
Email: minteer@aol.com

MEMORANDUM

DATE: June 28, 2001

TO: File

FROM: Kevin Lambert

SUBJECT: Inorganic Data Review and Validation – SNL
TA 3/5 Assessment GWM, AR/COC No. 604418/604435, SDG No. 41320/41322(GEL), and Project/Task No. 7219.01.05

See the attached Data Validation Worksheets for supporting documentation on the data review and validation.

Summary

The sample was prepared and analyzed with accepted procedures and specified methods (ICP – EPA6010B and CVAA – EPA7470A). All parameters were successfully analyzed. No problems were identified with the data package that result in the qualification of data.

1. ICP – Equipment Blank (EB): The continuing calibration blank (CCB) value for aluminum and silver was greater than (>) the detection limit (DL). Sample results were less than (<) 5x CCB values and are qualified "J, B3." The CCB absolute value for beryllium, selenium, and calcium were > the DL but < the reporting limit (RL). Beryllium and selenium results were non-detect and are qualified "UJ, B3." Calcium result was < 5x the DL and is qualified "J, B3."

2. ICP – EB: Silver was detected in the method blank (MB). Silver result was < 5x the MB value and is qualified "J, B."

3. CVAA – EB: The CCB absolute value for mercury was > the DL but < the RL. Mercury result was non-detect and is qualified "UJ, B3."

4. ICP – Soil: The initial calibration blank (ICB) and continuing calibration blank (CCB) values for antimony were > the DL. Sample 41320-024 was < 5x the ICB and CCB values and is qualified "J, B3."

5. ICP – Soil: The matrix spike (MS) percent recovery (%R) for chromium (151%) was > the upper QC limit (139%) and the relative percent difference (RPD) for chromium (30%) was outside QC acceptance criteria (28%). Sample results were detect and are qualified "J, A2, P1."

6. ICP – Soil: The MS/MSD RPD for cobalt (40%) was outside QC acceptance criteria (23%). Sample results were detect and are qualified "J, P1."

7. ICP – Soil: The MS %R for antimony (44%) was > the lower QC limit (75%). Sample results were non-detect except for 41320-024 and are qualified "UJ, A2." Sample 41320-024 is qualified "J, A2."

8. ICP – Soil: The serial dilution RPD for potassium (24%) was > 10%. Sample results for samples 41320-013 to –014 and 41320-017 to –024 were > 50x the RL; data is qualified "J."

9. CVAA – Soil: The ICB and CCB absolute values for mercury were > the DL but < the RL. Sample results were < 5x the DL or non-detect. Detects are qualified "J, B3" and non-detects are qualified "UJ, B3."

Data is acceptable and QC measures appear to be adequate. The following sections discuss the data review and validation.

Holding Times

ICP and CVAA - EB and Soil: The sample was analyzed within the prescribed holding times.

Calibration

ICP and CVAA – EB and Soil: Initial and continuing calibration verification data met QC acceptance criteria.

Blanks

ICP - EB:
No target analytes were detected in the ICB except for sodium and antimony. Sodium ICB absolute value was > the DL but < the RL. Sodium result was > 5x the DL; no data is qualified as a result. Antimony ICB value was > the DL but the sample result was non-detect; no data is qualified as a result.

No target analytes were detected in the CCB except for aluminum, silver, arsenic, antimony, beryllium, selenium, calcium, potassium, and sodium. Aluminum, silver, beryllium, selenium, and calcium are qualified as noted above in the summary section. The arsenic and antimony CCB values were > the DL but sample results were non-detect: no data are qualified as a result. The CCB absolute values for potassium and sodium were > the DL but < the RL, and sample results were > 5x the DL; no data are qualified as a result.

No target analytes were detected in the MB except for silver. Silver is qualified as noted above in the summary section.

CVAA - EB: Mercury was not detected in the ICB and MB. Mercury was detected in the CCB and is qualified as noted above in the summary section.

ICP - Soil:
No target analytes were detected in the ICB except for sodium, calcium, zinc, and antimony. Antimony results are qualified and noted above in the summary section. Sodium, calcium, and zinc ICB absolute values were > the DL but < the RL. Sodium, calcium, and zinc results were > 5x the DL; no data are qualified as a result.

No target analytes were detected in the CCB except for aluminum, calcium, cobalt, iron, magnesium, nickel, lead, antimony, potassium, sodium, and zinc. Antimony results are qualified and noted above in the summary section. The aluminum, calcium, cobalt, iron, magnesium, nickel, and lead CCB values were > the DL but sample results were > 5x the CCB values; no data are qualified as a result. The CCB absolute values for potassium, sodium, and zinc were > the DL but < the RL, and sample results were > 5x the DL; no data are qualified as a result.

No target analytes were detected in the MB except for barium, calcium, and antimony. Sample results were > 5x the MB value or non-detect; no data are qualified as a result.

CVAA - Soil: Mercury was not detected in the MB. Mercury was detected in the ICB and CCB, and is qualified as noted above in the summary section.

Laboratory Control Sample/Laboratory Control Sample Duplicate (LCS/LCSD) Analyses

ICP and CVAA - EB: The LCS/LCSD met QC acceptance criteria.

ICP - Soil: The LCS/LCSD met QC acceptance criteria except for zinc. The zinc LCSD %R (133%) was > the upper QC limit (127%) and LCS/LCSD RPD (21%) was slightly outside QC acceptance criteria (20%). The LCS %R, MS %R and replicate RPD met QC acceptance criteria. As a result based on professional judgment no data are qualified.

CVAA - Soil: The LCS/LCSD met QC acceptance criteria.

Matrix Spike (MS) Analyses

ICP and CVAA - EB: No MS was run with the sample delivery group (SDG). An MS was run on another SNL SDG in the batch and met QC acceptance criteria.

ICP - Soil: The MS met QC acceptance criteria for chromium and antimony. Sample results are qualified as noted above in the summary section.

CVAA - Soil: The MS met QC acceptance criteria.

Replicate Analyses

ICP and CVAA - EB: No replicate analysis was run with the SDG. A replicate analysis was run on another SNL SDG in the batch and met QC acceptance criteria.

ICP - Soil: The replicate analysis met QC acceptance criteria for chromium and cobalt. Sample results are qualified as noted above in the summary section.

CVAA - Soil: The replicate analysis met QC acceptance criteria.

ICP Interference Check Sample (ICS) Analysis

ICP – EB and Soil: The ICS data met QC acceptance criteria.

ICP Serial Dilution

ICP - EB: The serial dilution met QC acceptance criteria.

ICP - Soil: The serial dilution met QC acceptance criteria except potassium and sodium. Potassium results are qualified as noted above in the summary section. Sodium serial dilution RPD (12%) was > 10% but sample results were < 50x the RL; no data re qualified as a result.

Other QC

ICP - Soil: No target analytes were detected in the EB except for aluminum, barium, calcium, iron, magnesium, nickel, potassium, silver, and sodium. Sample were > 5x the EB values or non-detect; no data are qualified as a result. A field duplicate pair was submitted, however there are no "required" review criteria for field duplicate analyses comparability.

CVAA - Soil: Mercury was not detected in the EB. A field duplicate pair was submitted, however there are no "required" review criteria for field duplicate analyses comparability.

No other specific issues were identified which affect data quality.

Please contact me if you have any questions or comments regarding the review of this package.

Analytical Quality Associates, Inc.
616 Maxine NE
Albuquerque, NM 87123
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Fax: 505-299-6744
Email: minteer@aol.com

MEMORANDUM

DATE: June 28, 2001

TO: File

FROM: Kevin Lambert

SUBJECT: Organic Data Review and Validation – SNL TA 3/5 Assessment GWM, AR/COC No. 604418/604435, SDG No. 41320/41322(GEL), and Project/Task No. 7219.01.05

See the attached Data Validation Worksheets for supporting documentation on the data review and validation.

Summary

The samples were prepared and analyzed with accepted procedures and specified methods (VOC – EPA8260A/B). All compounds were successfully analyzed. Problems were identified with the data package that result in the qualification of data.

1. VOC – Equipment Blank (EB) and Trip Blank (TB): The continuing calibration verification percent difference (CCV %D) for bromomethane (63%) and vinyl acetate (74%) were greater than (>) 60%. The bias are considered high and sample results were non-detect, therefore based on professional judgment data are qualified "UJ."

2. VOC – EB and TB: Methylene chloride was detected in the method blank (MB). Sample results were less than (<) the reporting limit (RL) and < 10x the MB value; data are qualified non-detect at the RL (5 U, B).

3. VOC – Soil: The CCV %D for vinyl acetate (68%) was > 60%. The bias is considered high and sample results were non-detect, therefore based on professional judgment data are qualified "UJ."

4. VOC – Soil: The CCV %D for chloromethane (-45%%) was > 40 but < 60%. Sample results were non-detect and are qualified "UJ."

5. VOC -Soil: Acetone was detected in the MB. Samples 41320-001 to –005 and 41320-007 to –012 were > the RL but < 10x the MB value; data are qualified non-detect at the reported value (reported value U, B).

6. VOC - Soil: Acetone was detected in the EB. Samples 41320-001 to –005 and 41320-007 to –012 were > the RL but < 10x the EB value data are qualified non-detect at the reported value (reported value U, B2).

7. VOC -Soil: Methylene chloride was detected in the TBs. Sample results were < the RL and < 10x the TB values; data are qualified non-detect at the RL (5 U, B1).

Data is acceptable and QC measures appear to be adequate. The following sections discuss the data review and validation.

Holding Times

VOC – EB, TB, and Soil: The sample were extracted and analyzed within the prescribed holding times.

Calibration

VOC – EB and TB:
The initial calibration data met QC acceptance criteria.

The continuing calibration data met QC acceptance criteria except for bromomethane and vinyl acetate. Sample results are qualified as noted above in the summary section.

VOC - Soil:
The initial calibration data met QC acceptance criteria.

The continuing calibration data met QC acceptance criteria except for chloromethane and vinyl acetate. Sample results are qualified as noted above in the summary section.

Blanks

VOC – EB and TB: No target analytes were detected in the MB except for methylene chloride. Sample results are qualified as noted above in the summary section.

VOC - Soil: No target analytes were detected in the MB except for acetone. Sample results are qualified as noted above in the summary section.

Laboratory Control Sample/Laboratory Control Sample Duplicate (LCS/LCSD) Analyses

VOC – EB, TB, and Soil: The LCS/LCSD met QC acceptance criteria.

Matrix Spike/Matrix Spike Duplicate (MS/MSD) Analyses

VOC – EB and TB: No MS/MSD was run with the sample delivery group (SDG).

VOC Analysis: No MS/MSD was run on this SDG. An MS/MSD was run on another SNL SDG in the batch and met QC acceptance criteria.

Surrogates

VOC – EB, TB, and Soil: The surrogate recoveries met QC acceptance criteria.

Internal Standards

VOC – EB, TB, and Soil: Internal standards data met QC acceptance criteria.

Other QC

VOC - Soil:
No target analytes were detected in the TBs except methylene chloride and 1,2-dichloropropane. Methylene chloride results are qualified as noted above in the summary section. The sample results for 1,2-dichloropropane were non-detect; no data is qualified as a result.

No target analytes were detected in the EB except acetone and methylene chloride. Acetone is qualified as noted above in the summary section. Methylene chloride results were > the RL and > 10x the EB value; no data is qualified as a result.

A field duplicate pair was submitted, however there are no "required" review criteria for field duplicate analyses comparability.

No other specific issues were identified which affect data quality.

Please contact me if you have any questions or comments regarding the review of this package.

Analytical Quality Associates, Inc.
616 Maxine NE
Albuquerque, NM 87123
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Fax: 505-299-6744
Email: minteer@aol.com

MEMORANDUM

DATE: June 28, 2001

TO: File

FROM: Kevin Lambert

SUBJECT: Radiochemical Data Review and Validation – SNL TA 3/5 Assessment GWM, AR/COC No. 604418/604435, SDG No. 41320/41322(GEL), and Project/Task No. 7219.01.05

See the attached Data Validation Worksheets for supporting documentation on the data review and validation.

Summary

The sample was prepared and analyzed with accepted procedures and specified method (Tritium – EPA906.0). All analytes were successfully analyzed. A problem was identified with the data package that result in the qualification of data.

1. Tritium – Equipment Blank (EB): The sample result was negative. The absolute value was greater than (>) the reporting limit (RL), therefore the result is qualified "R" (unusable).

Data is acceptable and QC measures appear to be adequate. The following sections discuss the data review and validation.

Holding Times

Tritium – EB and Soil: The sample was analyzed within the prescribed holding times.

Calibration

Tritium – EB and Soil: Case narratives state all initial and continuing calibration requirements were met.

Blanks

Tritium – EB and Soil: No target analytes were detected in the method blank (MB).

Laboratory Control Sample (LCS) Analyses

Tritium– EB and Soil: The LCS met QC acceptance criteria.

Matrix Spike (MS) Analyses

Tritium - EB: The MS met QC acceptance criteria.

Tritium –Soil: No MS was run on this sample delivery group (SDG).

Replicate Analyses

Tritium - EB: Replicate analysis met QC acceptance criteria.

Tritium –Soil: No replicate analysis was run on this SDG.

Negative Bias

Tritium - EB: Did not meet QC acceptance criteria. Data is qualified as noted above in the summary section.

Tritium –Soil: Met QC acceptance criteria.

Other QC

Tritium - Soil: The EB is unusable; negative bias did not meet QC acceptance criteria.

No other specific issues were identified which affect data quality.

Please contact me if you have any questions or comments regarding the review of this package.

Data Validation Summary

Site/Project: TA 3/5 Assessment GWM Project/Task #: 7219.01.05 # of Samples: 41 Matrix: 5 aqueous, 36 soil

AR/COC #: 604418 / 604435 Laboratory Sample IDs:

Laboratory: GEL 41320-001 to -036 (soil)

Laboratory Report #: 41320 / 41322 41322-001 to -005 (TB, EB)

	Organics				Inorganics				RAD	Other
1. Holding Times/Preservation	✓				✓	NA	✓	NA	✓	NA
2. Calibrations	UJ				J	↓	J, UJ	↓	✓	↓
3. Method Blanks	U		Not		✓		✓		✓	
4. MS/MSD	NA				J, UJ		✓		NA	
5. Laboratory Control Samples	✓		Applicable		✓		✓		✓	
6. Replicates					J		✓		NA	
7. Surrogates	✓									
8. Internal Standards	✓									
9. TCL Compound Identification	✓									
10. ICP Interference Check Sample					✓					
11. ICP Serial Dilution					J					
12. Carrier/Chemical Tracer Recoveries									NA	
13. Other QC	U, UJ				J, UJ	↓	UJ	↓	R	↓

J = Estimated
U = Not Detected
UJ = Not Detected, Estimated
R = Unusable

Check (√) = Acceptable
Shaded Cells = Not Applicable (also "NA")
NP = Not Provided
Other: ____________

Reviewed By: Kevin A Lambert Date: 06/28/01

Volatile Organics (SW 846 Method 8260)

Site/Project: *TA3/5 Assessment GW* AR/COC #: *604415/604435* # of Samples: *3* Matrix: *Aqueous*

Laboratory: *GEL* Laboratory Report #: *41320/41322* Laboratory Sample IDs: *41322-001 to -003 (2TBs, EB)*

Methods: *EPA 8260A* Batch #s: *75940*

						>.05	<30%/0.99	20%												
1	74-87-3	Chloromethane	✓	0.10	✓	✓	✓	✓	✓							NA	NA	NA		
1	74-83-9	Bromomethane	✓	0.10	✓	✓	✓	65												
[illegible]																				
1	75-00-3	Chloroethane	✓	0.01		✓	✓		✓											
1	75-09-2	methylene chloride (10xblk)	✓	0.01	✓	✓	✓		1.13											
[illegible]																				
1	75-15-0	carbon disulfide	✓	0.10	✓	✓	✓							1.0						
[illegible]																				
2	71-55-6	1,1,1-trichloroethane	✓	0.10		✓	✓													
[illegible]																				
2	75-27-4	Bromodichloromethane	✓	0.20		✓	✓													
[illegible]																				
2	10061-01-5	cis-1,3-dichloropropene	✓	0.20		✓	✓													
[illegible]																				
2	124-48-1	Dibromochloromethane	✓	0.10		✓	✓													
2	79-00-5	1,1,2-trichloroethane	✓	0.10		✓	✓													
[illegible]																				
2	10061-02-6	trans-1,3-dichloropropene	✓	0.10		✓	✓													
3	75-25-2	Bromoform	✓	0.10		✓	✓													
3	108-10-1	4-methyl-2-pentanone	✓	0.10		✓	✓													
3	591-78-6	2-hexanone	✓	0.01		✓	✓													
[illegible]																				
3	79-34-5	1,1,2,2-tetrachloroethane	✓	0.30		✓	✓			✓	✓	✓								
3	108-88-3	toluene (10xblk)	✓	0.40		✓	✓													
[illegible]																				
3	100-41-4	Ethylbenzene	✓	0.10	✓	✓	✓													
3	100-42-5	Styrene	✓	0.30		✓	✓													
3	1330-20-7	xylenes (total)	✓	0.30	✓	✓	✓													
[illegible]																				
	110-75-8	2-chloroethyl vinyl ether																		
	108-05-4	vinyl acetate	✓			✓	✓	74	✓											

Comments: *NA - Not Applicable* Notes: Shaded rows are RCRA compounds.

Reviewed By: *Kevin A Lambert* Date: *06/28/01*

Volatile Organics

Site/Project: TA 3/5 Assessment KAF SDG/COC #: 604418/604435 Batch #: 75940

Laboratory: GEL Laboratory Report #: 41320/41322 # of Samples: 3 Matrix: Aqueous

Surrogate Recovery and Internal Standard Outliers (SW 846 Method 8260)

			Met				Met			
		Criteria				Criteria				

SMC 1: 4-Bromofluorobenzene
SMC 2: 1,2-Dichloroethane-d4
SMC 3: Toluene-d8

IS 1: Bromochloromethane
IS 2: 1,4-Difluorobenzene
IS 3: Chlorobenzene-d5

Comments: ~~① Bromomethane & Vinyl Acetate ⇒ The CCV %Ds (63 & 74) were > 60%. Sample results were ND and are qualified "R"~~ KAE 6/26/01

② Methylene chloride ⇒ Was detected in MB. Sample results were < the RL and < 10x the MB value; Data are qualified ND at the RL (5U, B)

① Bromomethane & Vinyl Acetate ⇒ CCV %Ds were > 60%; Bias is considered high and sample results were ND; Based on professional judgment data are qualified "UJ"

Volatile Organics (SW 846 Method 8260)

Site/Project: TA3/5 Assessment GW(?) / COC #: 604418/604435 · # of Samples: 12 · Matrix: Soil

Laboratory: GEL · Laboratory Report #: 41320/41322 · Laboratory Sample IDs: 41320-001 to -012

Methods: EPA 8260A · Batch #s: 75430

						>.05	<20%/0.99	20%											
1	74-87-3	Chloromethane	✓	0.10	✓	✓	✓	-45	✓							✓	✓	✓	
1	74-83-9	Bromomethane	✓	0.10	✓	✓	✓	✓											
[illegible]																			
1	75-00-3	Chloroethane	✓	0.01		✓	✓												
1	75-09-2	methylene chloride (10xMDL)	✓	0.01	✓	✓	✓							2X 7.15			0.345	2.02	2.22	
[illegible]																			
1	75-15-0	carbon disulfide	✓	0.10	✓	✓	✓		✓					SDG			✓			
[illegible]																			
2	71-55-6	1,1,1-trichloroethane	✓	0.10		✓	✓							SAG SDG						
[illegible]																			
2	75-27-4	Bromodichloromethane	✓	0.20		✓	✓							MATRIX						
[illegible]																			
2	10061-01-5	cis-1,3-dichloropropene	✓	0.20		✓	✓							NOT					✓	
[illegible]																			
2	124-48-1	Dibromochloromethane	✓	0.10		✓	✓							AND						
2	79-00-5	1,1,2-trichloroethane	✓	0.10		✓	✓													
[illegible]																			
2	10061-02-6	trans-1,3-dichloropropene	✓	0.10		✓	✓													
2	75-25-2	Bromoform	✓	0.10		✓	✓							CRITERIA						
3	108-10-1	4-methyl-2-pentanone	✓	0.10		✓	✓													
3	591-78-6	2-hexanone	✓	0.01		✓	✓													
[illegible]																			
3	79-34-5	1,1,2,2-tetrachloroethane	✓	0.30		✓	✓													
3	108-88-3	toluene (10xMDL)	✓	0.40		✓	✓			✓	✓	✓								
[illegible]																			
3	100-41-4	Ethylbenzene	✓	0.10	✓	✓	✓													
3	100-42-5	Styrene	✓	0.30		✓	✓													
3	1330-20-7	xylenes (total)	✓	0.30	✓	✓	✓													
[illegible]																			
	110-75-8	2-chloroethyl vinyl ether	✓																	
	108-05-4	vinyl acetate	✓			✓	✓	65	✓											

Comments: NA - Not Applicable

Notes: Shaded rows are RCRA compounds.

Vinyl Acetate => CCV %D was > 60%; The bias is considered high and sample results were ND. Based on professional judgement data are qualified "UJ"

Reviewed By: Kevin A. Lambert Date: 06/28/01

Volatile Organics

Site/Project: TA3/5 Assessment GWM AR/COC #: 604418/604435 Batch #: 75430

Laboratory: GEL Laboratory Report #: 41320/41322 # of Samples: 12 Matrix: soil

Surrogate Recovery and Internal Standard Outliers (SW 846 Method 8260)

		Met				Met			
		Criteria				Criteria			

SMC 1: 4-Bromofluorobenzene
SMC 2: 1,2-Dichloroethane-d4
SMC 3: Toluene-d8

IS 1: Bromochloromethane
IS 2: 1,4-Difluorobenzene
IS 3: Chlorobenzene-d5

Comments:
① Chloromethane => CCV %D (-45) was > 40% but < 60%; Sample results were ND and are qualified "UJ."

~~① Vinyl acetate => CCV %D was > 60%; Sample results were ND and are qualified "R."~~ KAC 6/26/01

② Acetone => was detected in MB. Sample 41320-006 was ND and no data is qualified as a result; Samples 41320-001 to -005 and 41320-007 to -012 were > the RL but < 10x MB value. Data are qualified ND at the reported values (RV U,B).

③ Acetone & Methylene Chloride => were detected in EB; Acetone was already qualified due to MB contamination. No further qualification necessary. The descriptive flag "B2" is included where appropriate. Methylene chloride was ~~< the RL and < 10x EB value, data are qualified ND at the RL (5 U,B)~~ > the RL and > 10x EB value, No data are qualified as a result.

~~④ Methylene chloride => was~~ KAC 6/26/01

④ Methylene chloride => was detected in TBs. Sample results were < the RL and less than 10x TB values; data are qualified ND at the RL (5 U, B)

④ 1,2-dichloropropane => was detected in TB; Sample results were ~~above~~ KAC 6/26/01 ND and no data are qualified as a result

Inorganic Metals

Site/Project: TA-3/5 Assessment GWM AR/COC #: 604419/604435 Laboratory Sample IDs: 41322-004 (EB)

Laboratory: GEL Laboratory Report #: 41320/41322

Methods: EPA 6010B, EPA 7470A

# of Samples: 1 Matrix: Aqueous Batch #s: 75258 (ICP), 75903 (CVAA)

	TAL	ICV	CCV	ICB	CCB	Method Blanks	LCS	LCSD	LCSD RPD	MS	MSD	MSD RPD	Rep. RPD	ICS AB	Serial Dilution	Field Dup. RPD	Equip. Blanks	Field Blanks		
7429-90-5 Al	✓	✓	✓	✓	2.5	✓	✓	✓	✓					✓	NA	NA	NA	NA		
7440-61-7 Zn	✓				+0.9					Not Known										
7440-70-2 Ca	✓				2.1					At this SDG										
7440-48-4 Co	✓									Known										
7440-50-8 Cu	✓									Another SNL										
7439-89-6 Fe	✓									SDG in the										
7439-95-4 Mg	✓									Batch and										
7439-96-5 Mn	✓									not QC										
7440-02-0 Ni	✓									Criteria										
7440-09-7 K	✓				2.3	✓														
7440-23-5 Na	✓			4.8	5.8	✓														
7440-62-2 V	✓			✓	✓															
7440-66-6 Zn	✓																			
7440-22-4 Ag	✓			0.53	1.2	✓														
7440-28-0 Tl	✓			✓	✓															
Cyanide CN		✓	✓	✓										✓	✓					

1-2

6-7

Notes: Shaded rows are RCRA metals. Solids-to-aqueous conversions: mg/kg = µg/g: [(µg/g) x (sample mass (g) / sample vol. (ml)) x (1000 ml / 1 liter)] / Dilution Factor = µg/l

Comments: NA-Not Applicable

SEE OTHER PAGE

Reviewed By: Kim A Lambert Date: 06/28/01

Inorganic Metals

Project: TA 3/5 Assessment GWM   AR/COC #: 604418/604435   Laboratory Sample IDs: 41320-013 to -024

Laboratory: GEL   Laboratory Report #: 41320/41322

Methods: EPA 6010B, EPA 7471A

# of Samples: 12   Matrix: soil   Batch #s: 75375 (ICP), 75698 (CVAA)

Analyte	TAL	ICV	CCV	ICB	CCB	Method Blanks	LCS	LCSD	LCSD RPD	MS	MSD	MSD RPD	Rep. RPD	ICS AB	Serial Dilution	Field Dup. RPD	Equip. Blanks	Field Blanks		
7429-90-5 Al	✓	✓	✓	✓	23.4 J	✓	✓	✓	✓	N/A	NA	NA	✓	✓	✓		0.0493 J	NA		
[illegible]																				
7440-41-7 Be	✓				✓	✓	✓	✓	✓	✓			✓				✓			
[illegible]																				
7440-70-2 Ca	✓			-5.53 J	17.7 J	15.9	✓	✓	✓	N/A			✓				0.0961 J			
[illegible]																				
7440-48-4 Co	✓				0.513 J		✓	✓	✓	✓			48 (28)				✓			
7440-50-8 Cu	✓				✓		✓	✓	✓	✓			✓				✓			
7439-89-6 Fe	✓				15.5 J		✓	✓	✓	N/A			✓				0.0497 J			
7439-95-4 Mg	✓				2.13		✓	✓	✓	N/A			✓				0.0208			
7439-96-5 Mn	✓				✓		✓	✓	✓	N/A			✓				✓			
7440-02-0 Ni	✓				0.847 J		✓	✓	✓	✓			✓		✓		0.00923 J			
7440-09-7 K	✓				-16.0 J		✓	✓	✓	N/A			✓		23 (60)		0.102			
[illegible]																				
7440-23-5 Na	✓			-22.3 J	-15.0 J		✓	✓	✓	✓			✓		11.6 (10)		0.391			
7440-62-2 V	✓			✓	✓		✓	✓	✓	✓			✓		✓		✓			
7440-66-6 Zn	✓			-1.18 J	7.66 J		✓	133 (122)	21 (20)	✓			✓							
				✓																
[illegible]																				
7440-36-0 Sb	✓			4.36 J	5.75 J	0.569 J	✓	✓	✓	49 (75)			✓							
7440-28-0 Tl	✓			✓	✓	✓	✓	✓	✓	✓			✓							
[illegible]																				
Cyanide CN																				

Notes: Shaded rows are RCRA metals. Solids-to-aqueous conversions: mg/kg = µg/g: [(µg/g) x (sample mass (g) / sample vol. (ml)) x (1000 ml / 1 liter)] / Dilution Factor = µg/l

Comments: NA - Not Applicable
N/A - Spike %R do not apply, Sample [c] > 4x spike [c]

Reviewed By: Kevin A. Lambert   Date: 06/28/01

SEE OTHER PAGES

Site: TA 3/5 Assessment GWM Inorganic Metals Lab #: 41320/41322

41322-004 COC# 604418/604435

① Na ⇒ ICB absolute value > DL but < RL; sample result was > 5x DL, No data is qualified as a result
Sb ⇒ ICB value > DL; sample result was ND and is not qualified as a result

② Al ⇒ CCB value > DL; sample result was < 5x CCB value and is qualified "J, B3".
Ag ⇒ " " " " " " " " " " " "
As ⇒ " " " " " " " " ND " " is not qualified as a result.
Sb ⇒ " " " " " " " " " " " " " " " " " "
Be ⇒ CCB absolute value > DL but < RL; Sample result was ND and is qualified "UJ, B3"
Se ⇒ " " " " " " " " " " " " " " " " " "
Hg ⇒ " " " " " " " " Sample result was < 5x the DL and is qualified "J, B3"
Ca ⇒ " " " " " " " " " " " > 5x the DL and no data is qualified as a result
K ⇒ "
Na ⇒ "

③ Ag ⇒ Sample result was < 5x MB value and is qualified "J, B".

41320-013 to -024

① Sb ⇒ ICB value > DL; sample results ND except 41320-024 and are not qualified as a result. Sample 41320-024 was < 5x ICB value and is qualified "J, B3"
Ca ⇒ ICB absolute value > DL but < RL; sample results > 5x DL, No data are qualified as a result
Na ⇒ "
Zn ⇒ "
Hg ⇒ " " " " " " " " Sample results < 5x DL or ND, detects are qualified "J, B3 and ND and qualified "UJ, B3".

② Al ⇒ CCB value > DL; Sample results were > 5x CCB value, No data are qualified as a result.
Ca ⇒ "
Ce ⇒ "
Fe ⇒ "
Mg ⇒ "
Mn ⇒ "
Sb ⇒
b ⇒ See ② above
K ⇒ ICB absolute value > DL but < RL; sample results were > 5x DL, No data are qualified as a result
Na ⇒ "
Zn ⇒ "
Hg ⇒ See ① above

KTL 06/28/01

Site: TA 3/5 Assessment GWM Inorganic Metals Lab#: 41320/41322
COC# 604418/604435

41320-013 to -024

Ba ⇒ Sample results were > 5x MB value, No data are qualified as a result
Ca ⇒ " " " " " " " " " " " " " " "
Sb ⇒ " " were ND " " " " " " " "

(4) Zn ⇒ LCS%R(133) was > upper limit(127) and RPD(21) was outside acceptance criteria(20); ~~Sample results~~ LCS%R met QC criteria, and MS%R and Rep RPD met QC criteria; As a result based on professional judgment No data are qualified (kal 4/28/01)

(5) Ca ⇒ MS%R(151) was > upper limit(139) and Rep RPD(30) was outside acceptance criteria(28); Sample results were detect and are qualified "J, A2, P1"
Co ⇒ Rep RPD(40) was outside acceptance criteria(23); Sample results were detect and are qualified "J, P1"
Sb ⇒ MS%R(44) was < lower limit(75); Sample results were ND and are qualified "UJ, A2". (kal 6/28/01) effect 41320-024 which is qualified "J, A2"
(6) K ⇒ Serial dilution RPD(23.6) was >10%; Sample results were > 50x RL for 41320-013, -014, -017, -018 to -024 and are qualified "J"
Na ⇒ Serial Dilution RPD(12) was >10%; Sample results were < 50x RL, no data are qualified as a result.

(7) Al ⇒ Sample results were > 5x EB value; No data are qualified as a result
Ba ⇒ " " " " " " " " " " " " " " "
Ca ⇒ " " " " " " " " " " " " " " "
Fe ⇒ " " " " " " " " " " " " " " "
Mg ⇒ " " " " " " " " " " " " " " "
Ni ⇒ " " " " " " " " " " " " " " "
K ⇒ " " " " " " " " " " " " " " "
Ag ⇒ " " " ND " " " " " " " " " "
Na ⇒ " " " >5x EB value; " " " " " " " "

KAL 06/28/01

Radiochemistry

Site/Project: TA 3/5 Assessment & GWM AR/COC #: 604418/604435 Laboratory Sample IDs:

Laboratory: GEL Laboratory Report #: 41320/41322 41320-025 4-036

Methods: EPA 906.0

# of Samples: 12 Matrix: Soil Batch #: 75538

	Method Blanks	LCS	MS	Rep RER	Equip. Blanks	Field Dup. RER	Field Blanks	Sample ID	Isotope	IS/Trace	Sample ID	Isotope	IS/Trace
Criteria	U	20%	25%	<1.0	U	<1.0	U			50-105			50-105
H3	✓	✓	NA	NA	NA	No "Required" Review Criteria	NA						
U-238													
U-234													
U-235/-236													
Th-232													
Th-228													
Th-230													
Pu-239/-240													
Gross Alpha													
Nonvolatile Beta													
Ra-226													
Ra-28													
Ni-63													
Gamma Spec. Am-241													
Gamma Spec. Cs-137													
Gamma Spec. Co-60													

Iso-U	Alpha spec.	U-232	NA
Iso-Pu	Alpha spec.	Pu-242	NA
Iso-Th	Alpha spec.	Th-229	NA
Am-241	Alpha spec.	Am-242	NA
Sr-90	Beta	Y ingrowth	NA
Ni-63	Beta	NA	Ni by ICP
Ra-226	Deemination	NA	NA
Ra-226	Alpha spec.	Ba-133 or Ra-225	NA
Ra-228	Gamma spec.	Ba-133	NA

Gamma spec. LCS contains: Am-241, Cs-137, and Co-60

Comments:

Reviewed By: Kevin S Lambert Date: 06/28/01

Radiochemistry

Site/Project: TA-3/5 Aggregate 4 GWM AR/COC #: 604418/604435 Laboratory Sample ID#: 41322-005 (EB)

Laboratory: GEL Laboratory Report #: 41320/41322

Methods: EPA 906.0

# of Samples: 1 Matrix: Aqueous Batch #: 76295

	Method Blanks	LCS	MS	Rep RER	Equip. Blanks	Field Dup. RER	Field Blanks	Sample ID	Isotope	IS/Trace	Sample ID	Isotope	IS/Trace
Criteria	U	20%	25%	<1.0	U	<1.0	U			50-105			50-105
H3	✓	✓	✓	✓	NA	NA	NA						
U-238													
U-234													
U-235/236													
Th-232													
Th-228													
Th-230													
Pu-239/240													
Gross Alpha													
Nonvolatile Beta													
Ra-226													
Ra-28													
Ni-63													
Gamma Spec. Am-241													
Gamma Spec. Cs-137													
Gamma Spec. Co-60													

Iso-U	Alpha spec.	U-232	NA
Iso-Pu	Alpha spec.	Pu-242	NA
Iso-Th	Alpha spec.	Th-229	NA
Am-241	Alpha spec.	Am-242	NA
Sr-90	Beta	Y ingrowth	NA
Ni-63	Beta	NA	Ni by ICP
Ra-226	Deemanation	NA	NA
Ra-226	Alpha spec.	Ba-133 or Ra-225	NA
Ra-228	Gamma spec.	Ba-133	NA

Gamma spec. LCS contains: Am-241, Cs-137, and Co-60

Comments:

Negative sample result => The absolute sample result was > the RL; sample result is qualified "R".

Reviewed By: Kevin A Lambert Date: 06/28/01

Contract Verification Review (CVR)

Project Leader LAI Project Name TA 3/5 ASSESSMENT GWM Case No. 7219_01.05

AR/COC No. 604418 & 604435 Analytical Lab GEL SDG No. 41320A & B

In the tables below, mark any information that is missing or incorrect and give an explanation.

1.0 Analysis Request and Chain of Custody Record and Log-In Information

Line No.	Item	Complete? Yes	Complete? No	If no, explain	Resolved? Yes	Resolved? No
1.1	All items on COC complete - data entry clerk initialed and dated	X				
1.2	Container type(s) correct for analyses requested	X				
1.3	Sample volume adequate for # and types of analyses requested	X				
1.4	Preservative correct for analyses requested	X				
1.5	Custody records continuous and complete	X				
1.6	Lab sample number(s) provided and SNL sample number(s) cross referenced and correct	X				
1.7	Date samples received	X				
1.8	Condition upon receipt information provided	X				

2.0 Analytical Laboratory Report

Line No.	Item	Complete? Yes	Complete? No	If no, explain	Resolved? Yes	Resolved? No
2.1	Data reviewed, signature	X				
2.2	Method reference number(s) complete and correct	X				
2.3	QC analysis and acceptance limits provided (MB, LCS, Replicate)	X				
2.4	Matrix spike/matrix spike duplicate data provided(if requested)	X				
2.5	Detection limits provided; PQL and MDL(or IDL), MDA and L_c	X				
2.6	QC batch numbers provided	X				
2.7	Dilution factors provided and all dilution levels reported	X				
2.8	Data reported in appropriate units and using correct significant figures	X				
2.9	Radiochemistry analysis uncertainty (2 sigma error) and tracer recovery (if applicable) reported	X				
2.10	Narrative provided	X				
2.11	TAT met	X				
2.12	Hold times met	X				
2.13	Contractual qualifiers provided	X				
14	All requested result and TIC (if requested) data provided	X				

3.0 Data Quality Evaluation

Item	Yes	No	If no, Sample ID No./Fraction(s) and Analysis
3.1 Are reporting units appropriate for the matrix and meet contract specified or project-specific requirements? Inorganics and metals reported as ppm (mg/liter or mg/Kg)? Tritium reported in picocuries per liter with percent moisture for soil samples? Units consistent between QC samples and sample data	X		
3.2 Quantitation limit met for all samples	X		
3.3 Accuracy a) Laboratory control samples accuracy reported and met for all samples		X	ZINC FAILED RECOVERY LIMITS FOR LCD
b) Surrogate data reported and met for all organic samples analyzed by a gas chromatography technique	X		
c) Matrix spike recovery data reported and met		X	ANTIMONY & CHROMIUM FAILED RECOVERY LIMITS FOR MARTIX SPIKE
3.4 Precision a) Replicate sample precision reported and met for all inorganic and radiochemistry samples		X	RPD FOR CHROMIUM & COBALT OUTSIDE ACCEPTANCE LIMITS
b) Matrix spike duplicate RPD data reported and met for all organic samples	NA		
3.5 Blank data a) Method or reagent blank data reported and met for all samples		X	ACETONE DETECTED IN VOC METHOD BLANK CALCIUM DETECTED IN METALS BLANK
b) Sampling blank (e.g., field, trip, and equipment) data reported and met		X	1,2 DICHLOROPROPANE & METHYLENE CHLORIDE DETECTED IN VOC TRIP BLANK ACETONE & METHYLENE CHLORIDE DETECTED IN VOC EQUIPMENT BLANK MAGNESIUM, POTASSIUM & SODIUM DETECTED IN EQUIPMENT BLANK
3.6 Contractual qualifiers provided: "J"- estimated quantity; "B"-analyte found in method blank above the MDL for organic or above the PQL for inorganic; "U"-analyte undetected (results are below the MDL, IDL, or MDA (radiochemical)); "H"-analysis done beyond the holding time	X		
3.7 Narrative addresses planchet flaming for gross alpha/beta	NA		
3.8 Narrative included, correct, and complete	X		
) Second column confirmation data provided for methods 8330 (high explosives) and pesticides/PCBs	NA		

Contract Verification Review (Continued)

4.0 Calibration and Validation Documentation

Item	Yes	No	Comments
4.1 GC/MS (8260, 8270, etc.)			
a) 12-hour tune check provided	X		
b) Initial calibration provided	X		
c) Continuing calibration provided	X		
d) Internal standard performance data provided	X		
e) Instrument run logs provided	X		
4.2 GC/HPLC (8330 and 8010 and 8082)			
a) Initial calibration provided	NA		
b) Continuing calibration provided	NA		
c) Instrument run logs provided	NA		
4.3 Inorganics (metals)			
a) Initial calibration provided	X		
b) Continuing calibration provided	X		
c) ICP interference check sample data provided	X		
d) ICP serial dilution provided	X		
e) Instrument run logs provided	X		
4 Radiochemistry			
a) Instrument run logs provided	X		

Contract Verification Review (Concluded)

5.0 Problem Resolution

Summarize the findings in the table below. List only samples/fractions for which deficiencies have been noted.

Sample/Fraction No.	Analysis	Problems/Comments/Resolutions

Were deficiencies unresolved? ☐ Yes ☐ No

Based on the review, this data package is complete. ☐ Yes ☐ No

If no, provide: nonconformance report or correction request number _____ and date correction request was submitted: _____

Reviewed by: _____ Date: 6-4-2001 Closed by: _____ Date: _____

Sample Findings Summary

Site: TA3/5 Assessment GWM | AR/COC: 604438 | Data Type: Radiochemical

Sample ID	Method/CAS Number (Analysis/Analyte)
	All QC acceptance criteria were met.
	No sample data were qualified.

Validated By: Mr. Kenneth Saiz

Date: 7/25/01

Sample Findings Summary

Site: TA3/5 Assessment GWM | AR/COC: 604438 | Data Type: Organic

Sample ID	Method/CAS Number (Analysis/Analyte)														
	67-64-1 (acetone)	75-09-2 (methylene chloride)	79-01-6 (trichloroethene)	108-05-4 (vinyl acetate)											
054907-001 TAV-BH-MW6-420-S		5U,B	UJ	R											
054909-001 TAV-BH-MW6-450-S		5U,B	UJ	R											
054910-001 TAV-BH-MW6-480-S	J	5U,B	UJ	R											
054911-001 TAV-BH-MW6-500-S	J	5U,B	UJ	R											
054918-001 TAV-BH-MW6-420-TB			UJ	R											

Validated By: Mr. Kenneth Salaz

Date: 7/25/01

Sample Findings Summary

Site: TA3/5 Assessment GWM | AR/COC: 604438 | Data Type: Inorganic

Sample ID	Method/CAS Number (Analysis/Analyte)													
	7440-23-5 (Na)	7440-36-0 (Sb)	7782-49-2 (Se)											
054907-002 TAV-BH-MW6-420-S	J,B3	UJ,A2												
054909-002 TAV-BH-MW6-460-S		UJ,A2												
054910-002 TAV-BH-MW6-480-S		UJ,A2												
054911-002 TAV-BH-MW6-500-S		UJ,A2	J,B3											

Validated By: Mr. Kenneth Salaz

Date: 7/25/01

Sample Findings Summary

Site: TA3/5 Assessment GWM | AR/COC: 604438 | Data Type: Radiochemical

Sample ID	Method/CAS Number (Analysis/Analyte)
	All QC acceptance criteria were met.
	No sample data were qualified.

Validated By: Mr. Kenneth Salaz

Date: 7/25/01

Sample Findings Summary

Site: TA3/5 Assessment GWM | AR/COC: 604438 | Data Type: Organic

Sample ID	Method/CAS Number (Analysis/Analyte)														
	67-64-1 (acetone)	75-09-2 (methylene chloride)	79-01-6 (trichloroethene)	108-05-4 (vinyl acetate)											
054907-001 TAV-BH-MW6-420-S		5U,B	UJ	R											
054909-001 TAV-BH-MW6-460-S		5U,B	UJ	R											
054910-001 TAV-BH-MW6-480-S	J	9U,B	UJ	R											
054911-001 TAV-BH-MW6-500-S	J	5U,B	UJ	R											
054918-001 TAV-BH-MW6-420-TB			UJ	R											

Validated By: Mr. Kenneth Salaz

Date: 7/25/01

Sample Findings Summary

Site: TA3/5 Assessment GWM

AR/COC: 604438

Data Type: Inorganic

Sample ID	Method/CAS Number (Analysis/Analyte)														
	7440-23-5 (Na)	7440-36-0 (Sb)	7782-49-2 (Se)												
054907-002 TAV-BH-MW6-420-S	J,B3	UJ,A2													
054908-002 TAV-BH-MW6-460-S		UJ,A2													
054910-002 TAV-BH-MW6-480-S		UJ,A2													
054911-002 TAV-BH-MW6-500-S		UJ,A2	J,B3												

Validated By: Mr. Kenneth Saitz

Date: 7/25/01

Analytical Quality Associates, Inc.
616 Maxine NE
Albuquerque, NM 87123
Phone: 505-299-5201
Fax: 505-299-6744
Email: minteer@aol.com

MEMORANDUM

DATE: July 25, 2001

TO: File

FROM: Kenneth Salaz

SUBJECT: Inorganic Data Review and Validation - SNL
TA3/5 Assessment GWM, ARCOC #604438,
GEL SDG #41231, Project/Task No. 7219.01.05

See the attached Data Validation Worksheets for supporting documentation on the data review and validation.

Summary

All samples were prepared and analyzed with approved procedures using methods EPA6010B ICP-AES and EPA7471A CVAA. Problems were identified with the data package that result in the qualification of data.

1. ICP Analysis: In the initial calibration blank (ICB), sodium (Na) and selenium (Se) were detected. The associated Na result of sample 41231-005 and the Se result of sample -008 were detects, less than (<) 5X the blank concentrations, and will be qualified "J,B3."

2. ICP Analysis: The MS percent recovery (%R) of antimony (Sb) was <75% but greater than (>) 30%. All associated sample results were non-detect (ND) and will be qualified "UJ,A2."

Data are acceptable except as noted above. QC measures appear to be adequate. The following sections discuss the data review and validation.

Holding Times/Preservation

All Analyses: All samples were analyzed within the prescribed holding times and properly preserved except as noted above in the summary section.

Calibration

ICP Analysis: The initial and continuing calibrations met all QC acceptance criteria except for the following. The continuing calibration verification (CCV) %R of silver (Ag) at the end of the sample run was slightly <90% (89%). However, the beginning and intermediate CCVs met QC acceptance criteria. Thus, no sample data were qualified.

CVAA Analysis: The initial and continuing calibrations met all QC acceptance criteria.

Blanks

ICP Analysis: No target analytes were detected in the blanks except as noted above in the summary section and the following. In the CCB for sample 41231-005, magnesium (Mg) was detected at a concentration > the reporting limit (RL). This sample should have been redigested and reanalyzed for Mg, but were not. However, the associated sample result was >10X the blank concentration. Thus, no sample data were qualified. In the ICB and/or CCB, aluminum (Al), barium (Ba), calcium (Ca), copper (Cu), iron (Fe), and Sb were detected. In the method blank, Ba, Ca, Cu, and potassium (K) were detected. However, all associated sample results were either ND or >5X the blank concentration. Thus, no sample data were qualified. In the ICB and/or CCB, Al, chromium (Cr), Mg, Na, arsenic (As), and zinc (Zn) were detected at negative concentrations. The absolute values were > the detection limit (DL) but < the RL. However, all associated sample results were >5X the DL. Thus, no sample data were qualified.

CVAA Analysis: No target analytes were detected in the blanks except as noted above in the summary section.

Matrix Spike/Matrix Spike Duplicate (MS/MSD) Analyses

ICP Analysis: The MS analysis met QC acceptance criteria except as noted above in the summary section. No MSD analyses were performed. The replicate analyses were used as measures of laboratory precision.

CVAA Analysis: The MS analysis was performed on a sample from another SDG. No sample data were qualified as a result. The case narrative stated that all QC acceptance criteria were met.

Laboratory Control Sample (LCS/LCSD) Analyses

All Analyses: The LCS/LSD analyses met all QC acceptance criteria.

Replicate Analysis

ICP Analysis: The replicate analysis met all QC acceptance criteria.

CVAA Analysis: The replicate analysis was performed on a sample from another SDG. No sample data were qualified as a result. The case narrative stated that all QC acceptance criteria were met.

ICP Interference Check Sample (ICS)

ICP Analysis: The ICS met all QC acceptance criteria.

CVAA Analysis: No ICS was required for this method.

ICP Serial Dilution

ICP Analysis: The serial dilution analysis met all QC acceptance criteria.

CVAA Analysis: No serial dilution was required for this method.

Other QC

All Analyses: No field duplicate, equipment blank (EB), or field blank (FB) was submitted on the ARCOC.

No other specific issues were identified which affect data quality.

Please contact me if you have any questions or comments regarding the review of this package.

Analytical Quality Associates, Inc.
616 Maxine NE
Albuquerque, NM 87123
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Email: minteer@aol.com

MEMORANDUM

DATE: July 25, 2001

TO: File

FROM: Kenneth Salaz

SUBJECT: Radiochemical Data Review and Validation - SNL
TA3/5 Assessment GWM, ARCOC #604438,
GEL SDG #41231, Project/Task No. 7219.01.05

See the attached Data Validation Worksheets for supporting documentation on the data review and validation.

Summary

All samples were prepared and analyzed with approved procedures using methods EPA906.0 Tritium. No problems were identified with the data package that result in the qualification of data.

Data are acceptable. QC measures appear to be adequate. The following sections discuss the data review and validation.

Holding Times/Preservation

All samples were analyzed within the prescribed holding times and properly preserved.

Calibration

The case narrative stated that the instrument used was properly calibrated.

Blanks

No target analytes were detected in the method blank at concentrations greater than (>) the associated MDA.

Matrix Spike (MS) Analysis

The MS analysis met all QC acceptance criteria.

Laboratory Control Sample (LCS) Analysis

The LCS analysis met all QC acceptance criteria.

Replicates

The replicate analysis met all QC acceptance criteria.

Tracer/Carrier Recoveries

No tracer/carrier was required for this method.

Negative Bias

All sample results met negative bias QC acceptance criteria.

Other QC

No field duplicate, equipment blank (EB), or field blank (FB) were submitted on the ARCOC.

No other specific issues were identified which affect data quality.

Please contact me if you have any questions or comments regarding the review of this package.

Analytical Quality Associates, Inc.
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MEMORANDUM

DATE: July 25, 2001

TO: File

FROM: Kenneth Salaz

SUBJECT: Organic Data Review and Validation - SNL
TA3/5 Assessment GWM, ARCOC #604438,
GEL SDG #41231/41232, Project/Task No. 7219.01.05

See the attached Data Validation Worksheets for supporting documentation on the data review and validation.

Summary

All samples were prepared and analyzed with approved procedures using method EPA8260A/B VOCs. Problems were identified with the data package that result in the qualification of data.

1. The initial calibration response factors (RFs) of trichloroethene for the trip blank (TB) and the soil samples were less than (<) the required minimum but greater than (>) 0.01. All associated sample results were non-detect (ND) and will be qualified "UJ." The continuing calibration verification (CCV) percent differences (%Ds) of vinyl acetate for the TB and the soil samples were >60%. All associated sample results were ND and will be qualified "R" (unusable). The CCV %D of acetone for the soil samples was >20% but <40%. The associated results of samples 41231-003 and -004 were detects and will be qualified "J."

2. In the method blank for the soil samples, methylene chloride was detected. All associated sample results were detects, <10X the blank concentration, < the reporting limit (RL), and will be qualified "5U,B."

Data are acceptable except as noted above. QC measures appear to be adequate. The following sections discuss the data review and validation.

Holding Times/Preservation

All samples were analyzed within the prescribed holding time and properly preserved.

Calibration

The initial and continuing calibrations met QC acceptance criteria except as noted above in the summary section and the following. The CCV %Ds of chloroethane, carbon disulfide, 2-butanone, and 2-hexanone for the soil samples, as well as that of chloromethane for the TB, were >20% but <40%. However, all associated sample results were ND. Thus, no sample data were qualified.

Blanks

No target analytes were detected in the method blanks except as noted above in the summary section and the following. In the method blank for the TB, acetone was detected. However, the associated sample result was ND. Thus, no sample data were qualified.

Surrogates

The surrogate %Rs met QC acceptance criteria.

Internal Standards (ISs)

The IS areas and retention times (RTs) met QC acceptance criteria.

Matrix Spike/Matrix Spike Duplicate (MS/MSD) Analysis

The MS/MSD analyses for the TB and the soil samples were performed on samples from other SDGs. No sample data were qualified as a result. The case narratives stated that all QC acceptance criteria were met.

Laboratory Control Samples (LCS/LCSD) Analysis

The LCS/LCSD analyses met all QC acceptance criteria.

Other QC

No target analytes were detected in the TB. No field duplicate or equipment blank (EB) were submitted on the ARCOC.

No other specific issues were identified which affect data quality.

Please contact me if you have any questions or comments regarding the review of this package.

Data Validation Summary

Site/Project: TA3/5 Assessment GWM Project/Task #: 7219.01.05 # of Samples: 13 Matrix: Soil/Aqueous

AR/COC #: 604436 Laboratory Sample IDs: 41231-001 & -012

Laboratory: GEL 41232-001

SDG #: 41231/41232

QC Element	Analysis									
	Organics				Inorganics				RAD	Other
	VOC	SVOC	Pesticide/ PCB	HPLC (HE)	ICP/AES	GFAA/ AA	CVAA (Hg)	CN		
1. Holding Times/Preservation	✓				✓	NA	✓	NA	✓	NA
2. Calibrations	R; J; UJ				✓		✓		✓	
3. Method Blanks	Su, B				J, B3		✓		✓	
4. MS/MSD	NA				UJ, A2		NA		✓	
5. Laboratory Control Samples	✓		NA		✓		✓		✓	
6. Replicates					✓		NA		✓	
7. Surrogates	✓									
8. Internal Standards	✓									
9. TCL Compound Identification	✓									
10. ICP Interference Check Sample					✓					
11. ICP Serial Dilution					✓					
12. Carrier/Chemical Tracer Recoveries									NA	
13. Other QC	✓				NA	✓	NA	✓	NA	✓

J = Estimated
U = Not Detected
UJ = Not Detected, Estimated
R = Unusable

Check (√) = Acceptable
Shaded Cells = Not Applicable (also "NA")
NP = Not Provided
Other: _____

Reviewed By: [illegible] → [illegible] Date: 7/25/07

Volatile Organics (SW 846 Method 8260)

Site/Project: TA-3/5 Assessment GWM AR/COC #: ~~?????~~ 604438 (MS 7/24/01) # of Samples: 4 Matrix: Soil

Laboratory: GEL SDG #: 41231 Laboratory Sample IDs: 41231-001 to -004

Methods: EPA 8260A Batch #s: 75494

IS	CAS #	Name	TCL	Min. RF	Intercept	Calib. RF	Calib. RSD/ R^2	CCV %D	Method Blks	LCS	LCSD	LCS RPD	(1) MS	MSD	MS RPD	(2) Field Dup. RPD	Equip. Blanks	Trip Blanks		
						>.05	<20% / 0.99	20%												
1	74-87-3	Chloromethane	✓	0.10	✓	✓	✓	✓	✓							NA	NA	✓		
1	74-83-9	Bromomethane		0.10	✓	✓	✓													
1	75-01-4	vinyl chloride		0.10	NA	✓	✓	↓												
1	75-00-3	Chloroethane		0.01	NA	✓	✓	-35.5	↓											
1	75-09-2	methylene chloride (10xblk)		0.01	✓	✓	✓	✓	0.5?7											
1	67-64-1	acetone(10xblk)		0.01	✓	✓	✓	-28.7	✓											
1	75-15-0	carbon disulfide		0.10	✓	✓	✓	22.4												
1	75-35-4	1,1-dichloroethene		0.20	NA	✓	✓	✓		✓	✓	✓	NA	NA	NA					
1	75-34-3	1,1-dichloroethane		0.10		✓	✓													
1	67-66-3	Chloroform		0.20		✓	✓													
1	107-06-2	1,2-dichloroethane		0.10	↓	✓	✓	↓												
1	78-93-3	2-butanone(10xblk)		0.01	✓	✓	✓	-29.3												
2	71-55-6	1,1,1-trichloroethane		0.10	NA	✓	✓	✓												
2	56-23-5	carbon tetrachloride		0.10		✓	✓													
2	75-27-4	Bromodichloromethane		0.20		✓	✓													
2	78-87-5	1,2-dichloropropane		0.01		✓	✓													
2	10061-01-5	cis-1,3-dichloropropene		0.20		✓	✓													
2	79-01-6	Trichloroethene		0.30		0.29	✓			✓	✓	✓	NA	NA	NA					
2	124-48-1	Dibromochloromethane		0.10		✓	✓													
2	79-00-5	1,1,2-trichloroethane		0.10	↓	✓	✓													
2	71-43-2	Benzene		0.50	✓	✓	✓			✓	✓	✓	NA	NA	NA					
2	10061-02-6	trans-1,3-dichloropropene		0.10	NA	✓	✓													
2	75-25-2	Bromoform		0.10		✓	✓													
3	108-10-1	4-methyl-2-pentanone		0.10		✓	✓	↓												
3	591-78-6	2-hexanone		0.01		✓	✓	-21.8												
3	127-18-4	Tetrachloroethene		0.20		✓	✓	✓												
3	79-34-5	1,1,2,2-tetrachloroethane		0.30		✓	✓													
3	108-88-3	toluene(10xblk)		0.40		✓	✓			✓	✓	✓	NA	NA	NA					
3	108-90-7	Chlorobenzene		0.50		✓	✓			✓	✓	✓	NA	NA	NA					
3	100-41-4	Ethylbenzene		0.10		✓	✓													
3	100-42-5	Styrene		0.30	↓	✓	✓													
3	1330-20-7	xylenes(total)		0.30	✓	✓	✓													
	540-59-0	1,2-dichloroethylene(total)		0.01	NA	✓	✓	↓												
	108-05-4	Vinyl Acetate	↓		NA	✓	✓	75.7								↓	↓	↓		
									↓											

Comments:
(1) MS/MSD performed on a sample from another SDG. In case no other sample all QC criteria were met.
(2) No field dups submitted

Notes: Shaded rows are RCRA compounds.

NA = Not Applicable

Reviewed By: [illegible] Date: 7/24/01

Volatile Organics

Site/Project: TA3/5 Assessment GWM AR/COC #: 604438 Batch #s: 75494

Laboratory: GEL SDG #: 41231 # of Samples: 4 Matrix: Soil

Surrogate Recovery and Internal Standard Outliers (SW 846 Method 8260)

Sample	SMC 1	SMC 2	SMC 3	IS 1 area	IS 1 RT	IS 2 area	IS 2 RT	IS 3 area	IS 3 RT
All Passed									

SMC 1: Bromofluorobenzene
SMC 2: Dibromofluoromethane
SMC 3: Toluene-d8

IS 1: Fluorobenzene
IS 2: Chlorobenzene-d5
IS 3: 1,4-Dichlorobenzene-d4

Comments:

Volatile Organics (SW 846 Method 8260)

Site/Project: T43/5 Assessment GWM AR/COC #: 604438 # of Samples: 1 Matrix: [illegible]

Laboratory: GEL SDG #: 41232 Laboratory Sample IDs: 41232-001(MS)

Methods: EPA8260B Batch #s: 74968

IS	CAS #	Name	TCL	Min. RF	Intercept	Calib. RF >.05	Calib. RSD/ R^2 <20% / 0.99	CCV %D 20%	Method Blks	LCS	LCSD	LCS RPD	(1) MS	MSD	MS RPD	Field Dup. RPD	Equip. Blanks	Trip Blanks		
1	74-87-3	Chloromethane	✓	0.10	NA	✓	✓	22.1?	✓							NA	NA	NA		
1	74-83-9	Bromomethane	✓	0.10		✓	✓	✓												
1	75-01-4	vinyl chloride	✓	0.10		✓	✓													
1	75-00-3	Chloroethane	✓	0.01		✓	✓													
1	75-09-2	methylene chloride (10xblk)	✓	0.01	✓	✓	✓													
1	67-64-1	acetone(10xblk)	✓	0.01	NA	✓	✓		0.941											
1	75-15-0	carbon disulfide	✓	0.10		✓	✓		✓											
1	75-35-4	1,1-dichloroethene	✓	0.20		✓	✓			✓	✓	✓	NA	NA	NA					
1	75-34-3	1,1-dichloroethane	✓	0.10		✓	✓													
1	67-66-3	Chloroform	✓	0.20		✓	✓													
1	107-06-2	1,2-dichloroethane	✓	0.10		✓	✓													
1	78-93-3	2-butanone(10xblk)	✓	0.01		✓	✓													
2	71-55-6	1,1,1-trichloroethane	✓	0.10		✓	✓													
2	56-23-5	carbon tetrachloride	✓	0.10		✓	✓													
2	75-27-4	Bromodichloromethane	✓	0.20		✓	✓													
2	78-87-5	1,2-dichloropropane	✓	0.01		✓	✓													
2	10061-01-5	cis-1,3-dichloropropene	✓	0.20		✓	✓													
2	79-01-6	Trichloroethene	✓	0.30		0.24	✓			✓	✓	✓	NA	NA	NA					
2	124-48-1	Dibromochloromethane	✓	0.10		✓	✓													
2	79-00-5	1,1,2-trichloroethane	✓	0.10		✓	✓													
2	71-43-2	Benzene	✓	0.50		✓	✓			✓	✓	✓	NA	NA	NA					
2	10061-02-6	trans-1,3-dichloropropene	✓	0.10		✓	✓													
2	75-25-2	Bromoform	✓	0.10		✓	✓													
3	108-10-1	4-methyl-2-pentanone	✓	0.10		✓	✓													
3	591-78-6	2-hexanone	✓	0.01		✓	✓													
3	127-18-4	Tetrachloroethene	✓	0.20		✓	✓													
3	79-34-5	1,1,2,2-tetrachloroethane	✓	0.30		✓	✓													
3	108-88-3	toluene(10xblk)	✓	0.40		✓	✓			✓	✓	✓	NA	NA	NA					
3	108-90-7	Chlorobenzene	✓	0.50		✓	✓			✓	✓	✓	NA	NA	NA					
3	100-41-4	Ethylbenzene	✓	0.10		✓	✓													
3	100-42-5	Styrene	✓	0.30		✓	✓													
3	1330-20-7	xylenes(total)	✓	0.30		✓	✓													
	540-59-0	1,2-dichloroethylene(total)	✓	0.01		✓	✓													
	108-05-4	Vinyl Acetate	✓			✓	✓	20.5												

Comments: Notes: Shaded rows are RCRA compounds. NA = Not Applicable

(1) MS/MSD performed on a sample from another SDG. All QC criteria were met. [illegible] stated

Reviewed By: [illegible signature] Date: 2/24/01

Volatile Organics

Site/Project: TA3/5 Assessment GWM AR/COC #: 604438 Batch #s: 74968

Laboratory: GEL SDG #: 41232 # of Samples: 1 Matrix: aqueous

Surrogate Recovery and Internal Standard Outliers (SW 846 Method 8260)

Sample	SMC 1	SMC 2	SMC 3	IS 1 area	IS 1 RT	IS 2 area	IS 2 RT	IS 3 area	IS 3 RT
All									
Passed									

SMC 1: Bromofluorobenzene
SMC 2: Dibromofluormethane
SMC 3: Toluene-d8

IS 1: Fluorobenzene
IS 2: Chlorobenzene-d5
IS 3: 1,4-Dichlorobenzene-d4

Comments:

Inorganic Metals

Site/Project: TAVS Assessment Guam AR/COC #: 604438 Laboratory Sample IDs: 41231-005 to -008

Laboratory: GEL SDG #: 41231

Methods: EPA6010A(ICP-AES), EPA747A(CVAA)

# of Samples: 4 Matrix: soil Batch #s: 75880, 75920

CAS # / Analyte	QC Element																			
	TAL	ICV	CCV	ICB (mg/L)	CCB (mg/L)	Method Blanks	LCS	LCSD	LCSD RPD	MS	MSD	MSD RPD	Rep. RPD	ICS AB	Serial Dilution	Field Dup. RPD	Equip. Blanks	Field Blanks	CCB (mg/L)	
7429-90-5 Al	✓	✓	✓	✓	238.433	✓	✓	✓	✓	NA	NA	NA	✓	✓	✓	NA	NA	NA	-36.2	
7440-39-3 Ba	✓			0.379	✓	0.0423				NA			✓		✓				✓	
7440-41-7 Be	✓			✓		✓				✓			✓		NA					
7440-43-9 Cd	✓					✓				✓			NA		NA					
7440-70-2 Ca	✓				33.0	1.37				NA			~~NA~~		~~NA~~				9.35	
7440-47-3 Cr	✓				✓	✓				✓			✓		NA				-0.519	
7440-48-4 Co	✓				✓	✓				✓			✓		✓				✓	
7440-50-8 Cu	✓				0.577	0.259				✓			✓		✓				0.577	
7439-89-6 Fe	✓			✓	9.75	✓				NA			✓		✓				✓	
7439-95-4 Mg	✓			-4.49	213.880					NA			✓		✓					
7439-96-5 Mn	✓			✓	✓	✓				NA			✓		✓				✓	
7440-02-0 Ni	✓		✓		✓	✓				✓			✓		NA				✓	
7440-09-7 K	✓		✓		✓	3.06				NA			✓		NA				NA	
7440-22-4 Ag	✓		✓/89	✓	✓	✓				✓			NA		NA				✓	
7440-23-5 Na	✓		✓	37.9	-24.7								✓		NA				-13.7	
7440-62-2 V	✓		✓	✓	✓								✓		NA				✓	
7440-66-6 Zn	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			✓	✓	✓				-0.852	
7439-92-1 Pb	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			✓	✓	NA				✓	
7782-49-2 Se	✓			2.94	✓					✓			NA		NA				✓	
7440-38-2 As	✓			-4.09	-2.77					✓			✓		NA				-4.45	
7440-36-0 Sb	✓			4.14	✓					44			NA		NA				✓	
7440-28-0 Tl	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	NA	✓	NA				✓	
7439-97-6 Hg	✓	✓	✓	✓	✓	✓	✓	✓	✓	NA	NA	NA	NA	NA	NA	✓	✓	✓	NA	
Cyanide CN																				

Notes: Shaded rows are RCRA metals. Solids-to-aqueous conversion: mg/kg = µg/g : [(µg/g) x (sample mass (g) / sample vol. (ml)) x (1000 ml / 1 liter)] / Dilution Factor = µg/l NA = Not Applicable

Comments: ① All values except for K + Hg apply to samples -005 only.

② MS + Rep for Hg performed on a sample from another SDG. Case narrative stated all QC were met.

③ CCB applies to samples -006, -007, & -008.

④ Field dup. submitted.

Reviewed By: [signature] Date: 7/25/07

Radiochemistry

Site/Project: TAVS Assessment GWM AR/COC #: 604438 Laboratory Sample IDs: 41231-009 to -012

Laboratory: GEL SDG #: 41231

Methods: EPA 906.0(M)

# of Samples: 4 Matrix: Soil Batch #s: 75538

Analyte	QC Element												
	Method Blanks	LCS	MS	Rep RER	Equip. Blanks	Field Dup. RER	Field Blanks	Sample ID	Isotope	IS/Trace	Sample ID	Isotope	IS/Trace
Criteria	U	20%	25%	<1.0	U	<1.0	U			50-105			50-105
H3	✓	✓	✓	✓	NA	NA	NA	NA					
U-238													
U-234													
U-235/-236													
Th-232													
Th-228													
Th-230													
Pu-239/-240													
Gross Alpha													
Nonvolatile Beta													
Ra-226													
Ra-228													
Ni-63													
Gamma Spec. Am-241													
Gamma Spec. Cs-137													
Gamma Spec. Co-60													

Comments: (1) No field dup. submitted

NA = Not Applicable

Parameter	Method	Typical Tracer	Typical Carrier
Iso-U	Alpha spec.	U-232	NA
Iso-Pu	Alpha spec.	Pu-242	NA
Iso-Th	Alpha spec.	Th-229	NA
Am-241	Alpha spec.	Am-242	NA
Sr-90	Beta	Y ingrowth	NA
Ni-63	Beta	NA	Ni by ICP
Ra-226	Deamination	NA	NA
Ra-226	Alpha spec.	Ba-133 or Ra-225	NA
Ra-228	Gamma spec.	Ba-133	NA

Gamma spec. LCS contains: Am-241, Cs-137, and Co-60

Reviewed By: [signature] Date: 7/25/01

Contract Verification Review (CVR)

Project Leader LAI Project Name TA 3/5 ASSESSMENT GWM Case No. 7219_01.05

AR/COC No. 604438 Analytical Lab GEL SDG No. 41231

In the tables below, mark any information that is missing or incorrect and give an explanation.

1.0 Analysis Request and Chain of Custody Record and Log-In Information

Line No.	Item	Complete? Yes	Complete? No	If no, explain	Resolved? Yes	Resolved? No
1.1	All items on COC complete - data entry clerk initialed and dated	X				
1.2	Container type(s) correct for analyses requested	X				
1.3	Sample volume adequate for # and types of analyses requested	X				
1.4	Preservative correct for analyses requested	X				
1.5	Custody records continuous and complete	X				
1.6	Lab sample number(s) provided and SNL sample number(s) cross referenced and correct	X				
1.7	Date samples received	X				
1.8	Condition upon receipt information provided	X				

2.0 Analytical Laboratory Report

Line No.	Item	Complete? Yes	Complete? No	If no, explain	Resolved? Yes	Resolved? No
2.1	Data reviewed, signature	X				
2.2	Method reference number(s) complete and correct	X				
2.3	QC analysis and acceptance limits provided (MB, LCS, Replicate)	X				
2.4	Matrix spike/matrix spike duplicate data provided(if requested)	X				
2.5	Detection limits provided; PQL and MDL(or IDL), MDA and L_c	X				
2.6	QC batch numbers provided	X				
2.7	Dilution factors provided and all dilution levels reported	X				
2.8	Data reported in appropriate units and using correct significant figures	X				
2.9	Radiochemistry analysis uncertainty (2 sigma error) and tracer recovery (if applicable) reported	X				
2.10	Narrative provided	X				
2.11	TAT met	X				
2.12	Hold times met	X				
2.13	Contractual qualifiers provided	X				
14	All requested result and TIC (if requested) data provided	X				

Contract Verification Review (Continued)

3.0 Data Quality Evaluation

Item	Yes	No	If no, Sample ID No./Fraction(s) and Analysis
3.1 Are reporting units appropriate for the matrix and meet contract specified or project-specific requirements? Inorganics and metals reported as ppm (mg/liter or mg/Kg)? Tritium reported in picocuries per liter with percent moisture for soil samples? Units consistent between QC samples and sample data	X		
3.2 Quantitation limit met for all samples	X		
3.3 Accuracy a) Laboratory control samples accuracy reported and met for all samples	X		
b) Surrogate data reported and met for all organic samples analyzed by a gas chromatography technique	X		
c) Matrix spike recovery data reported and met		X	ANTIMONY FAILED RECOVERY LIMITS
3.4 Precision a) Replicate sample precision reported and met for all inorganic and radiochemistry samples	X		
b) Matrix spike duplicate RPD data reported and met for all organic samples	NA		
3.5 Blank data a) Method or reagent blank data reported and met for all samples		X	CALCIUM DETECTED IN METALS BLANK
b) Sampling blank (e.g., field, trip, and equipment) data reported and met	X		
3.6 Contractual qualifiers provided: "J"- estimated quantity; "B"-analyte found in method blank above the MDL for organic or above the PQL for inorganic; "U"-analyte undetected (results are below the MDL, IDL, or MDA (radiochemical)); "H"-analysis done beyond the holding time	X		
3.7 Narrative addresses planchet flaming for gross alpha/beta	NA		
3.8 Narrative included, correct, and complete	X		
3.9 Second column confirmation data provided for methods 8330 (high explosives) and pesticides/PCBs	NA		

Contract Verification Review (Continued)

4.0 Calibration and Validation Documentation

Item	Yes	No	Comments
4.1 GC/MS (8260, 8270, etc.)			
a) 12-hour tune check provided	X		
b) Initial calibration provided	X		
c) Continuing calibration provided	X		
d) Internal standard performance data provided	X		
e) Instrument run logs provided	X		
4.2 GC/HPLC (8330 and 8010 and 8082)			
a) Initial calibration provided	NA		
b) Continuing calibration provided	NA		
c) Instrument run logs provided	NA		
4.3 Inorganics (metals)			
a) Initial calibration provided	X		
b) Continuing calibration provided	X		
c) ICP interference check sample data provided	X		
d) ICP serial dilution provided	X		
e) Instrument run logs provided	X		
4 Radiochemistry			
a) Instrument run logs provided	X		

Contract Verification Review (Concluded)

5.0 Problem Resolution

Summarize the findings in the table below. List only samples/fractions for which deficiencies have been noted.

Sample/Fraction No.	Analysis	Problems/Comments/Resolutions
054909-002, 054910-002 & 054911-002	METALS	CALCIUM MISSING "B" QUALIFIER

Were deficiencies unresolved? ☑ Yes ☐ No

Based on the review, this data package is complete. ☐ Yes ☑ No

If no, provide: nonconformance report or correction request number 2525 and date correction request was submitted: 6-4-2001

Viewed by: W. Palencia Date: 6-4-2001 Closed by: W. Palencia Date: 6/13/01

CONTRACT LABORATORY
ANALYSIS REQUEST AND CHAIN OF CUSTODY

Internal Lab Batch No. 100650 SAR/WR No.

AR/COC 604438

Dept. No./Mail Stop:	6135/1089	Date Samples Shipped:	4-24-01	SMO Use Contract No:	AJ-2480A
Project/Task Manager:	Lai/Sanders	Carrier/Waybill No.	743180	Project/Task No.:	7219.01.05
Project Name:	TAV Well Borehole	Lab Contact:	E Kent 803-556-8171	SMO Authorization:	
Record Center Code:	ER/1306/DAT	Lab Destination:	GEL		
Logbook Ref. No.:	ER 062	SMO Contact/Phone:	D Salmi 505-844-3110		
Service Order No.	~~SF812-01~~ CF0012-01	Send Report to SMO:	S Jensen 505-844-3184		
Location	Tech Area				
Building NA	Room NA				

☐ Waste Characterization
RCRA Date
☐ Send Preliminary report to
☐ Validation Required
☑ Released by COC No.: 604440

Bill To: Sandia National Labs (Accounts Payable)
P.O. Box 5800, MS-0154
Albuquerque, NM., 87185-0154

Reference LOV(available at SMO)

Sample No.-Fraction	ER Sample ID or Sample Location Detail	Beginning Depth (ft)	ER Site No.	Date/Time(hr) Collected	Sample Matrix	Container Type	Container Volume	Preservative	Collection Method	Sample Type	Parameter & Method Requested	Lab Sample ID
054907-001	TAV-BH-MW6-420-S	420	TAV	042001 0842	S	AG	4oz	None	G	SA	VOC (8260)	
054907-002	TAV-BH-MW6-420-S	420	TAV	042001 0842	S	G	250ml	None	G	SA	TAL metals (6010/7000)	
054907-003	TAV-BH-MW6-420-S	420	TAV	042001 0842	S	G	2x1L	None	G	SA	Tritium (906.0)	
054909-001	TAV-BH-MW6-460-S	460	TAV	042101 1154	S	AG	4oz	None	G	SA	VOC (8260)	
054909-002	TAV-BH-MW6-460-S	460	TAV	042101 1154	S	G	250ml	None	G	SA	TAL metals (6010/7000)	
054909-003	TAV-BH-MW6-460-S	460	TAV	042101 1154	S	G	2x1L	None	G	SA	Tritium (906.0)	
054910-001	TAV-BH-MW6-480-S	480	TAV	042101 1436	S	AG	4oz	None	G	SA	VOC (8260)	
054910-002	TAV-BH-MW6-480-S	480	TAV	042101 1436	S	G	250ml	None	G	SA	TAL metals (6010/7000)	
054910-003	TAV-BH-MW6-480-S	480	TAV	042101 1436	S	G	2x1L	None	G	SA	Tritium (906.0)	
054911-001	TAV-BH-MW6-500-S	500	TAV	042101 1649	S	AG	4oz	None	G	SA	VOC (8260)	

RMMA ☑ Yes ☐ No Ref. No.
Sample Disposal ☐ Return to Client ☑ Disposal by lab
Turnaround Time ☐ 7 Day ☐ 15 Day ☑ 30 Day ☐ Negotiated TAT
Return Samples By:

Sample Tracking — SMO Use
Date Entered(mm/dd/yy) 041301
Entered by: JAC
QC inits.

Special Instructions/QC Requirements:
EDD ☑ Yes ☐ No
Raw Data Package ☑ Yes ☐ No
*Please send report to:
M Sanders 284-2486 MS1089/Org 6135
mrsande@sandia.gov
Please list as separate report.

Abnormal Conditions on Receipt

Sample Team Members: Name	Signature	Init.	Company/Organization/Phone/Cellular
M Sanchez	[signature]	MS	Weston/6135/845-3267
G Quintana	[signature]	GQ	IT/6135/284-3308
W Gibson	[signature]	WG	MDM/6133/845-3267

1. Relinquished by	[signature] Org. 6135	Date 4/23/01	Time 1335	4. Relinquished by	Org.	Date	Time
1. Received by	[signature] Org. 6147	Date 4/23/01	Time 1335	4. Received by	Org.	Date	Time
2. Relinquished by	[signature] Org. 6147	Date 4/24/01	Time 1045	5. Relinquished by	Org.	Date	Time
2. Received by	Org.	Date	Time	5. Received by	Org.	Date	Time
3. Relinquished by	Org.	Date	Time	6. Relinquished by	Org.	Date	Time
3. Received by	Org.	Date	Time	6. Received by	Org.	Date	Time

*7 & 15 Day Turnaround Time: ERCL requires prior notification.

CONTRACT LABORATORY
Analysis Request And Chain Of Custody (Continuation)

AR/COC 604438

Project Name: TA-V Well Borehole | Project/Task Manager: Lai/Sanders | Project/Task No.: 7219.01.05

Location: Tech Area

Building: NA | Room: NA

Reference LOV (available at SMO)

Sample No-Fraction	ER Sample ID or Sample Location detail	Beginning Depth (ft)	ER Site No.	Date/Time (hr) Collected	Sample Matrix	Container Type	Container Volume	Preserve Alt@4C	Collection Method	Sample Type	Parameter & Method Requested	Lab use Lab Sample ID
054911-002	TAV-BH-MW6-500-S	500	TAV	042101 1649	S	G	250ml	None	G	SA	TAL metals (6010/7000)	
054911-003	TAV-BH-MW6-500-S	500	TAV	042101 1649	S	G	2x1L	None	G	SA	Tritium (906.0)	
054918-001	TAV-BH-MW6-420-TB	420	TAV	042101 0842	DIW	~~3x40ml~~ G	3x40ml	HCl	G	TB	VOC (8260)	

Abnormal Conditions on Receipt: | LAB USE

Recipient Initials:

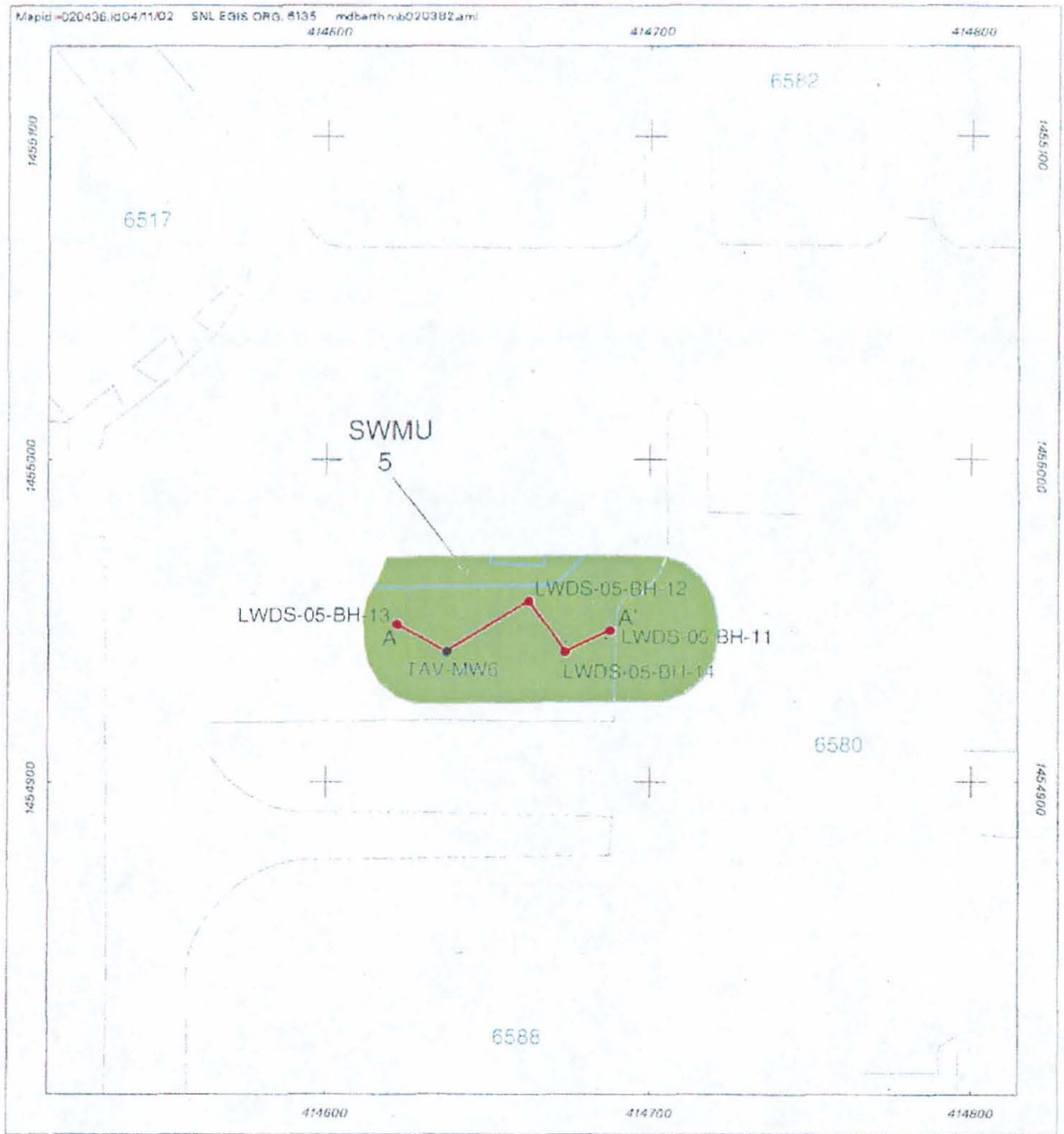
Attachment D
SWMU 5 Cross Sections

SWMU 5 Cross Sections

The following cross sections show the vertical distribution of selected chemical parameters in the subsurface at Solid Waste Management Unit (SWMU) 5, the Liquid Waste Disposal System (LWDS) drainfield. These figures are being submitted in response to General Comment No. 2 in the New Mexico Environment Department's (NMED) September 30, 1997, Request for Supplemental Information (RSI) regarding Sandia National Laboratories OU 1307 Resource Conservation and Recovery Act (RCRA) Facility Investigation (RFI).

Cross sections of A-A' extend beneath the LWDS as shown in Figure D-1. Four boreholes were drilled in 1994 (LWDS-BH11 through LWDS-BH14) with the deepest of these extending to 70 feet below ground surface (BGS). In 2001, the TAV-MW6 borehole was extended to a total depth of 500 feet BGS. Each cross section contains two scales in order to show the entire depth (the left-hand portion) and an expanded view (the right-hand portion) to illustrate details from the surface to 100 feet BGS.

The cross sections were prepared with Environmental Visualization Software. Concentrations at each soil sample point are shown by a colored dot corresponding to the bar scale defined on each cross section. The colored bar scale depicts a two-dimensional representation of the chemical distribution within the borehole. The NMED background value is shown on the bar scale, where applicable.



Legend

- Borehole
- Monitoring well
- Road
- Building/Structure
- SWMU
- A—A' Cross Section

Figure D-1
Location of SWMU 5 Cross Section

0 25 50
Scale in Feet

0 8 17
Scale in Meters

N

GIS

Sandia National Laboratories, New Mexico
Environmental Geographic Information System

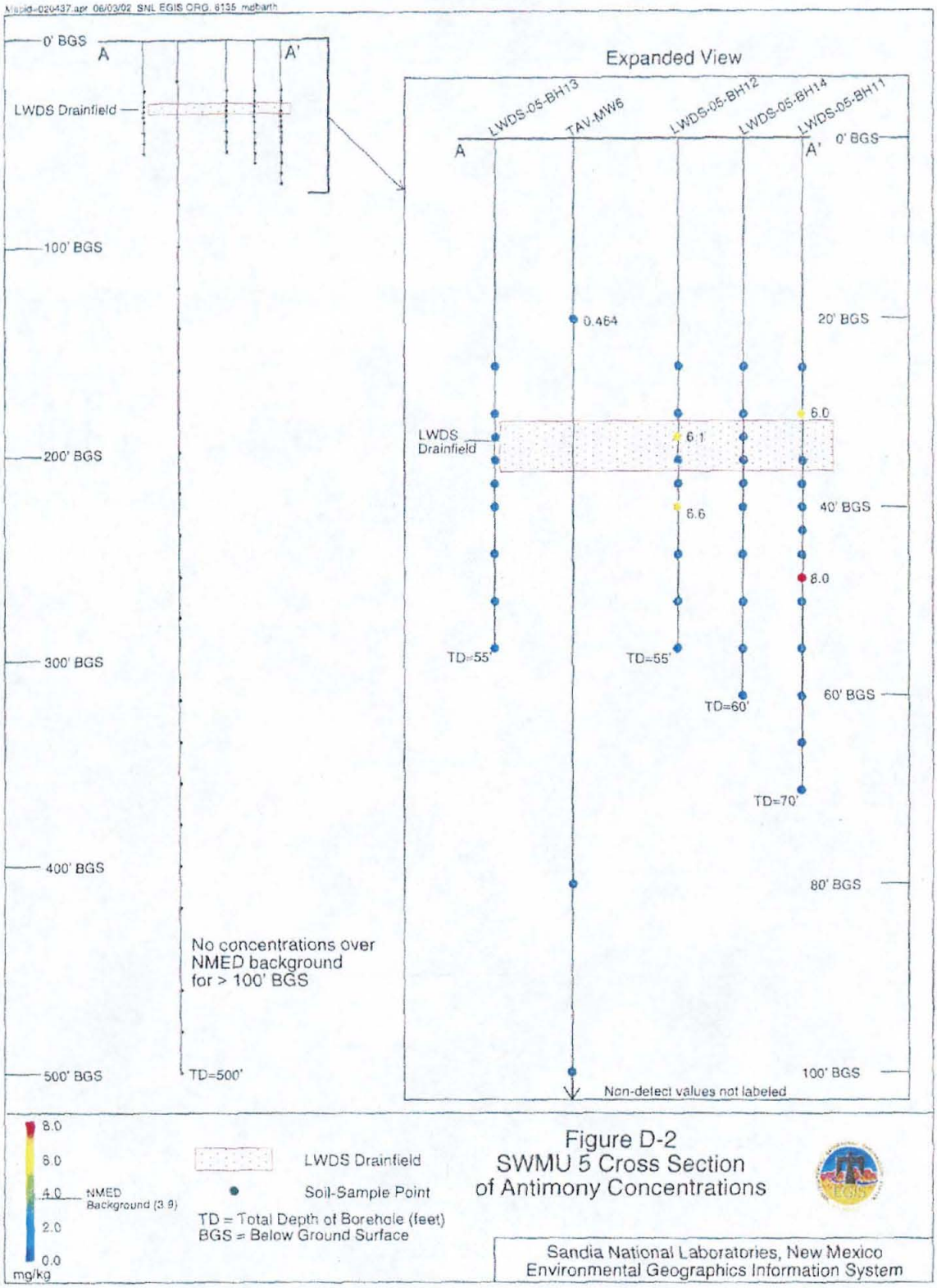


Figure D-2
SWMU 5 Cross Section
of Antimony Concentrations

Sandia National Laboratories, New Mexico
Environmental Geographics Information System

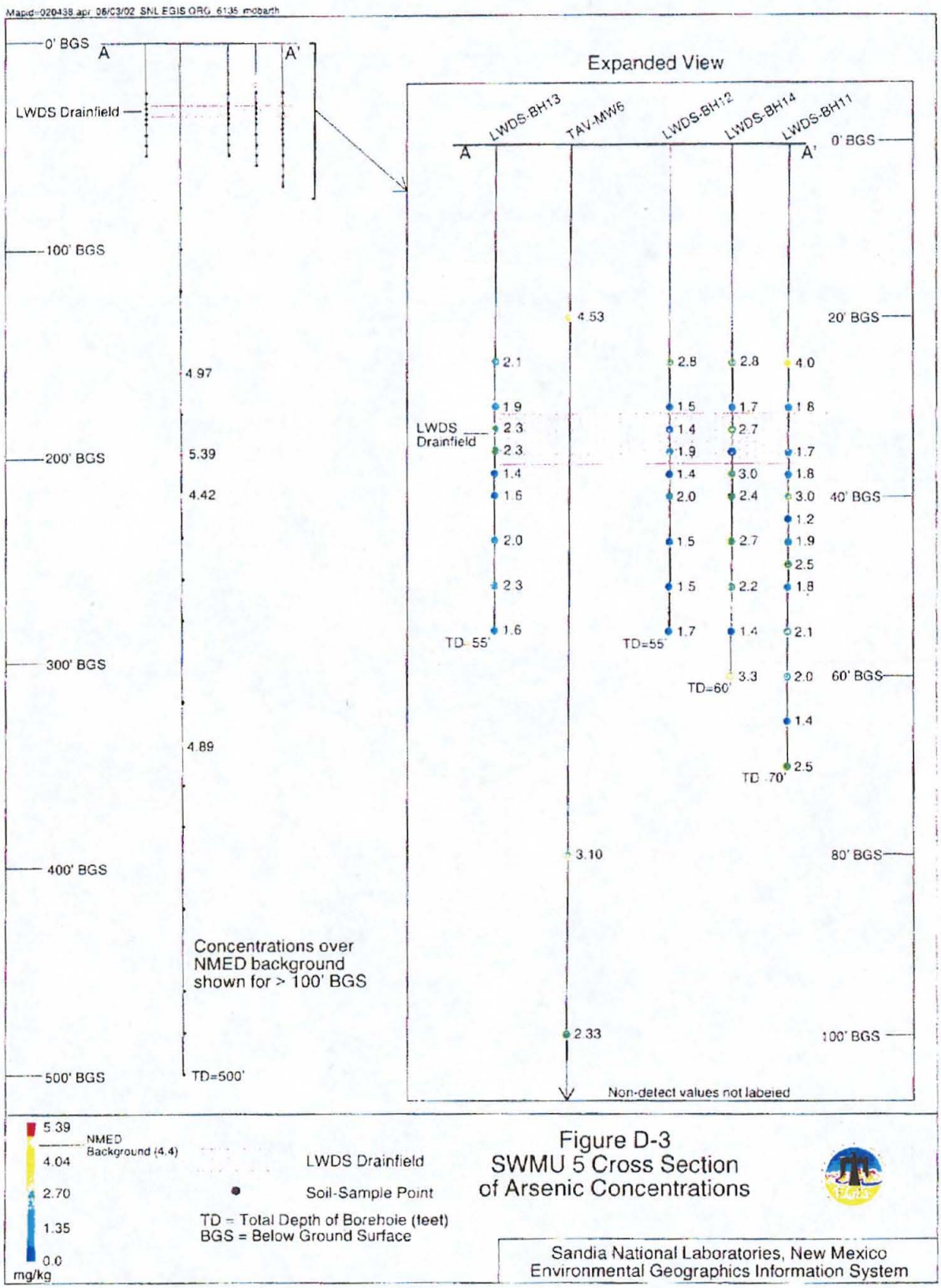


Figure D-3
SWMU 5 Cross Section
of Arsenic Concentrations

Sandia National Laboratories, New Mexico
Environmental Geographics Information System

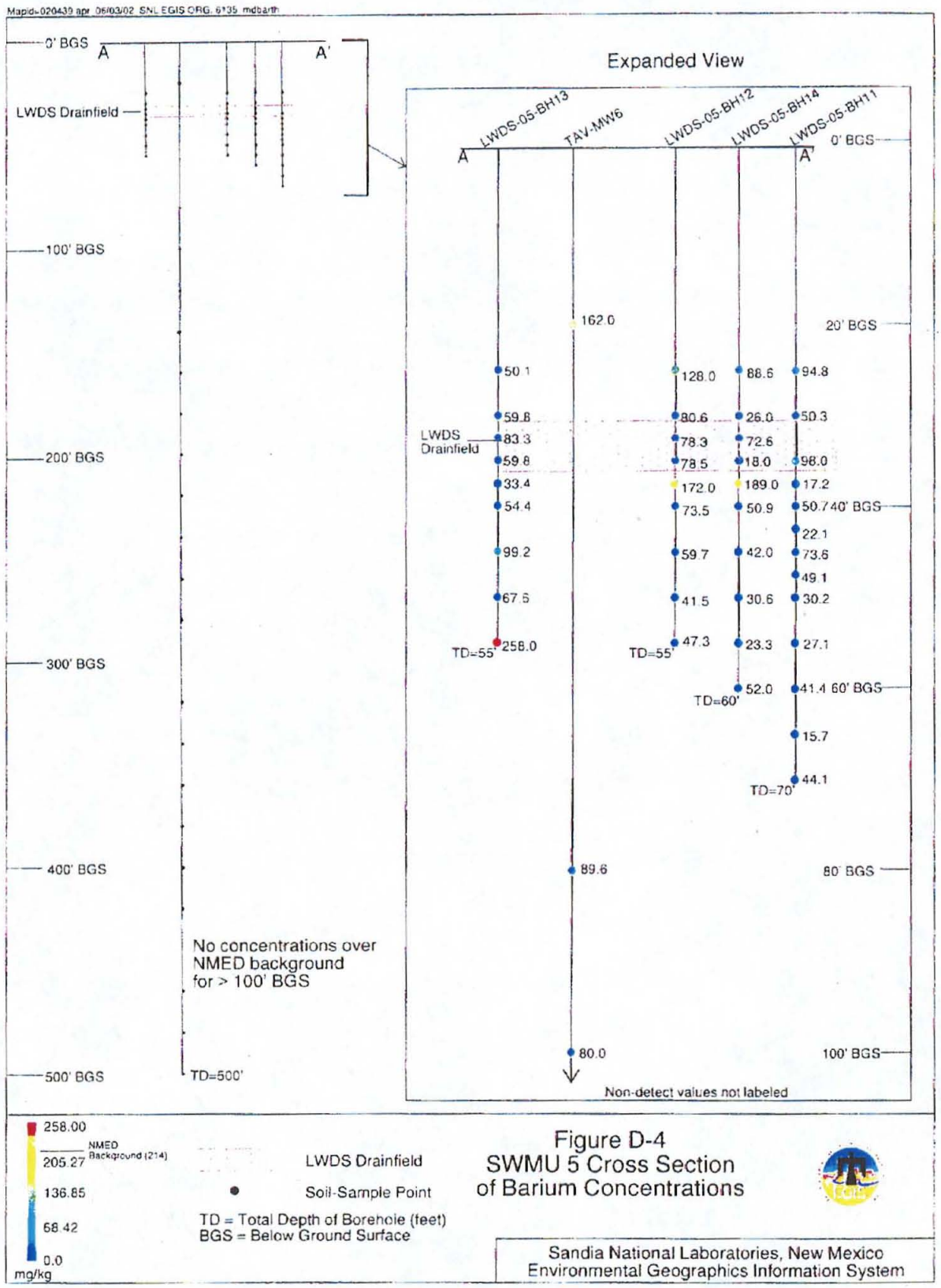


Figure D-4
SWMU 5 Cross Section
of Barium Concentrations

Sandia National Laboratories, New Mexico
Environmental Geographics Information System

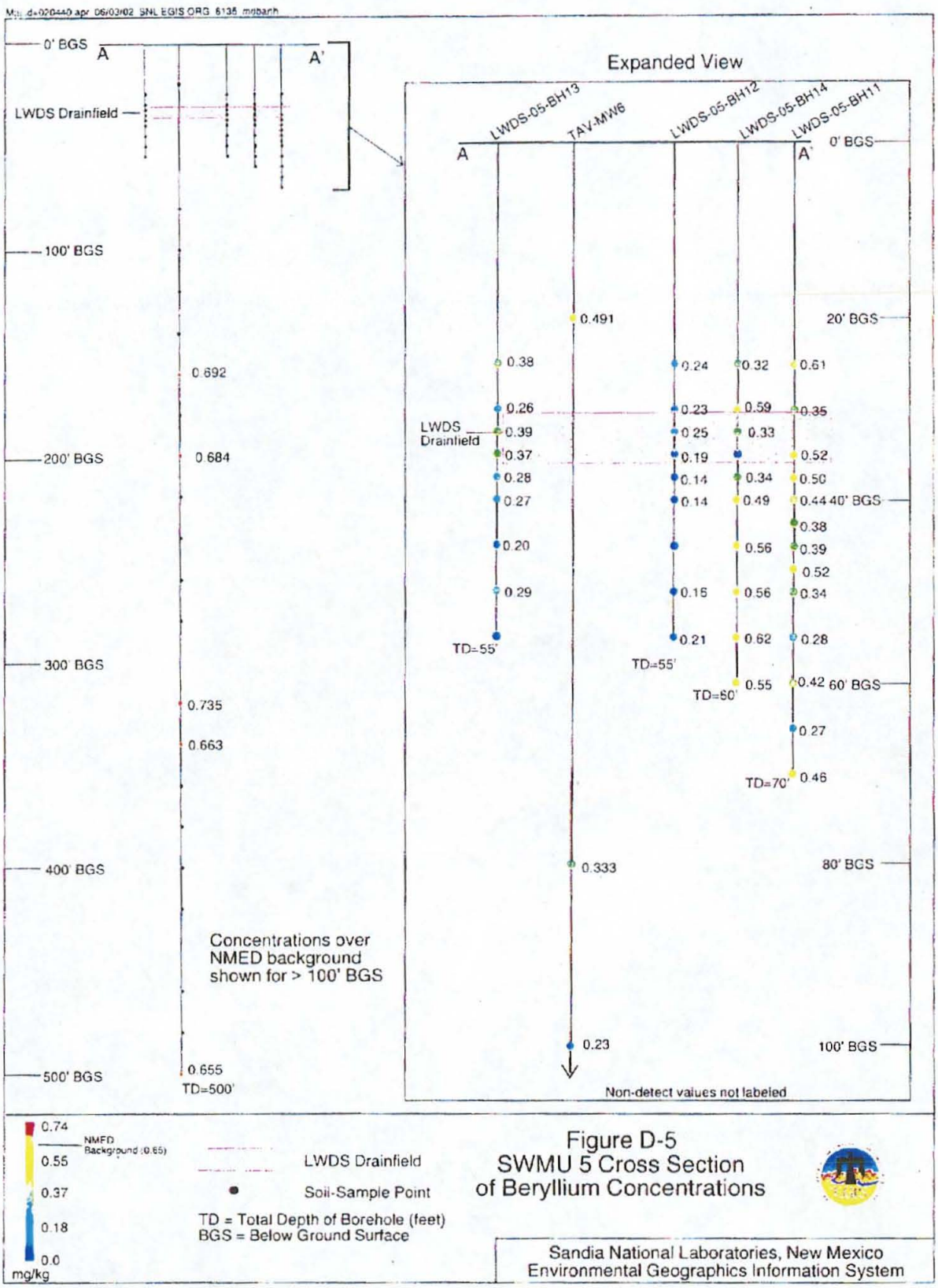
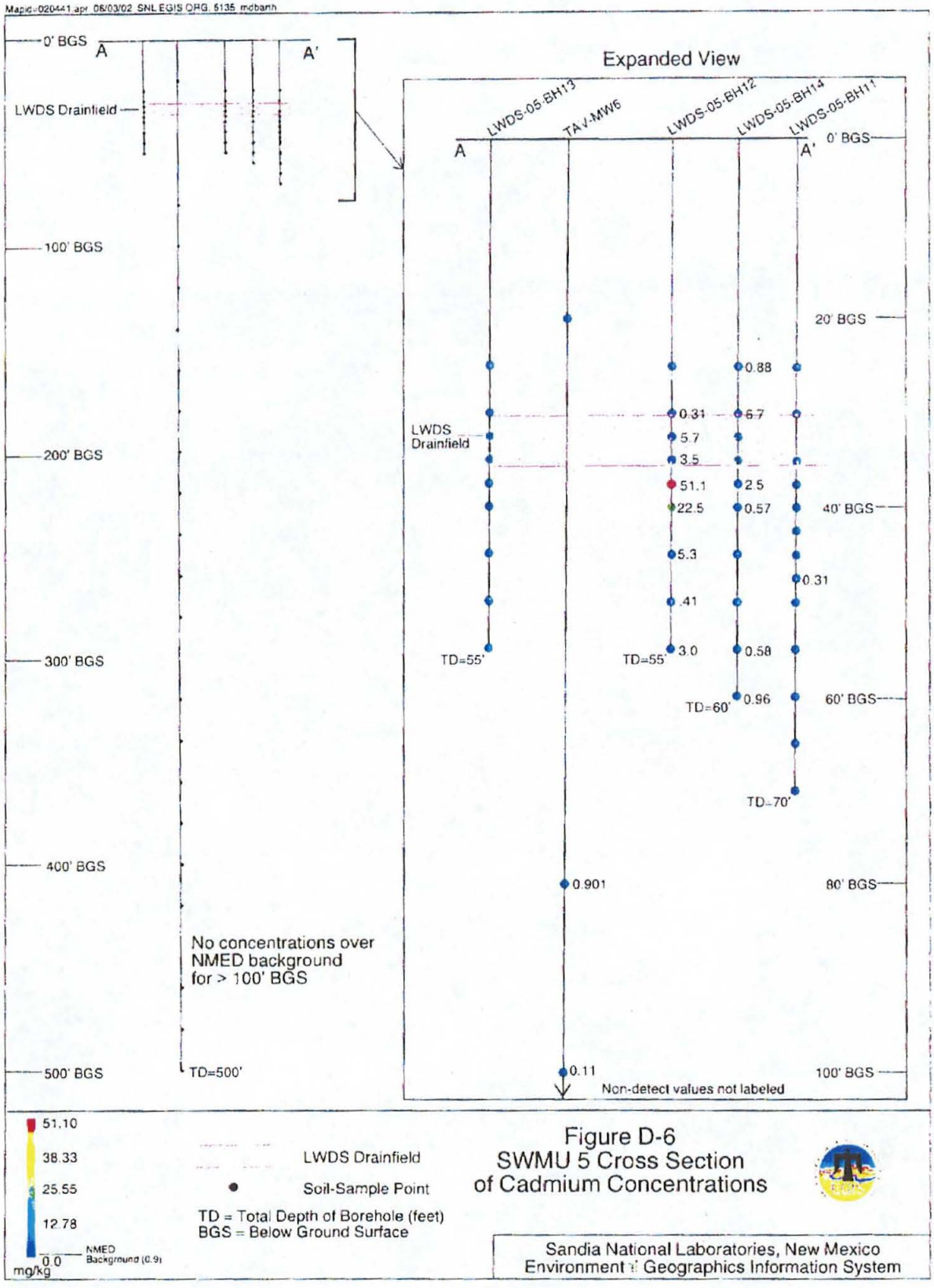
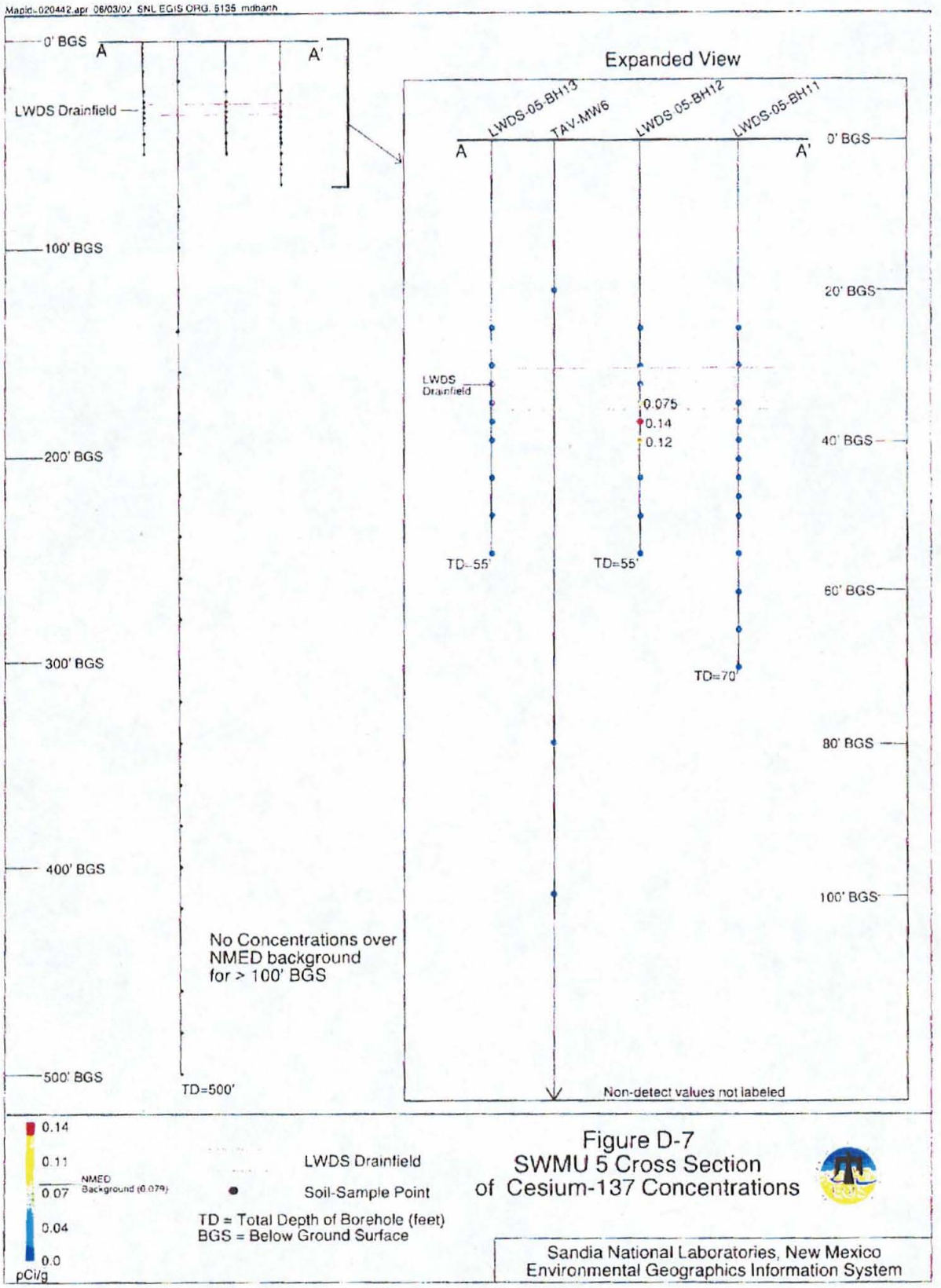
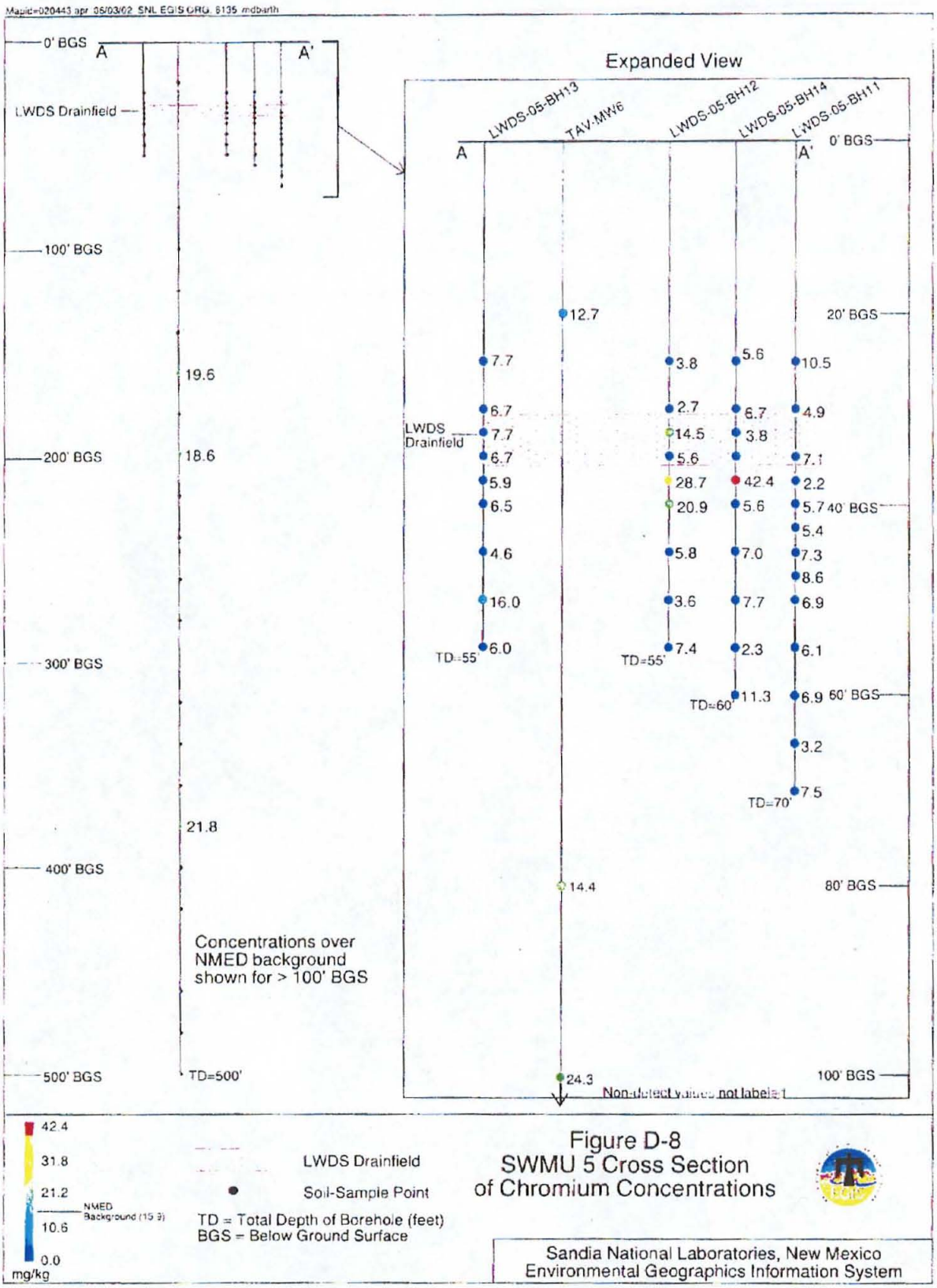


Figure D-5
SWMU 5 Cross Section
of Beryllium Concentrations

Sandia National Laboratories, New Mexico
Environmental Geographics Information System


Mapid:=020441.apr 06/03/02 SNL EGIS ORG. 5135 mdbarth
0' BGS
A
A'
LWDS Drainfield
100' BGS
200' BGS
300' BGS
400' BGS
500' BGS
TD=500'
No concentrations over NMED background for > 100' BGS
Expanded View
LWDS-05-BH13
TA-V-MW6
LWDS-05-BH12
LWDS-05-BH14
LWDS-05-BH11
0' BGS
20' BGS
40' BGS
60' BGS
80' BGS
100' BGS
LWDS Drainfield
0.88
0.31
6.7
5.7
3.5
51.1
2.5
22.5
0.57
5.3
0.31
.41
3.0
0.58
0.96
TD=55'
TD=55'
TD=60'
TD=70'
0.901
0.11
Non-detect values not labeled
51.10
38.33
25.55
12.78
0.0
NMED Background (0.9)
mg/kg
LWDS Drainfield
Soil-Sample Point
TD = Total Depth of Borehole (feet)
BGS = Below Ground Surface
Figure D-6
SWMU 5 Cross Section
of Cadmium Concentrations
Sandia National Laboratories, New Mexico
Environmental Geographics Information System


Mapid=020442.apr 06/03/02 SNL EGIS ORG. 5135 mdbarth
0' BGS
A
A'
LWDS Drainfield
100' BGS
200' BGS
300' BGS
400' BGS
500' BGS
TD=500'
No Concentrations over
NMED background
for > 100' BGS
Expanded View
LWDS-05-BH13
TAV-MW6
LWDS 05-BH12
LWDS-05-BH11
A
A'
0' BGS
20' BGS
40' BGS
60' BGS
80' BGS
100' BGS
LWDS
Drainfield
0.075
0.14
0.12
TD=55'
TD=55'
TD=70'
Non-detect values not labeled
0.14
0.11
NMED
0.07
Background (0.079)
0.04
0.0
pCi/g
LWDS Drainfield
Soil-Sample Point
TD = Total Depth of Borehole (feet)
BGS = Below Ground Surface
Figure D-7
SWMU 5 Cross Section
of Cesium-137 Concentrations
Sandia National Laboratories, New Mexico
Environmental Geographics Information System


Mapid=020443 apr 06/03/02 SNL EGIS ORG 6135 mdbarth
0' BGS
A
A'
LWDS Drainfield
100' BGS
200' BGS
300' BGS
400' BGS
500' BGS
19.6
18.6
21.8
TD=500'
Concentrations over NMED background shown for > 100' BGS
Expanded View
LWDS-05-BH13
TAV-MW6
LWDS-05-BH12
LWDS-05-BH14
LWDS-05-BH11
0' BGS
20' BGS
40' BGS
60' BGS
80' BGS
100' BGS
12.7
7.7
6.7
7.7
6.7
5.9
6.5
4.6
16.0
6.0
TD=55'
3.8
2.7
14.5
5.6
28.7
20.9
5.8
3.6
7.4
TD=55'
5.6
6.7
3.8
42.4
5.6
7.0
7.7
2.3
11.3
TD=60'
10.5
4.9
7.1
2.2
5.7
5.4
7.3
8.6
6.9
6.1
6.9
3.2
7.5
TD=70'
14.4
24.3
Non-detect values not labeled
42.4
31.8
21.2
NMED Background (15.9)
10.6
0.0
mg/kg
LWDS Drainfield
Soil-Sample Point
TD = Total Depth of Borehole (feet)
BGS = Below Ground Surface
Figure D-8
SWMU 5 Cross Section
of Chromium Concentrations
Sandia National Laboratories, New Mexico
Environmental Geographics Information System

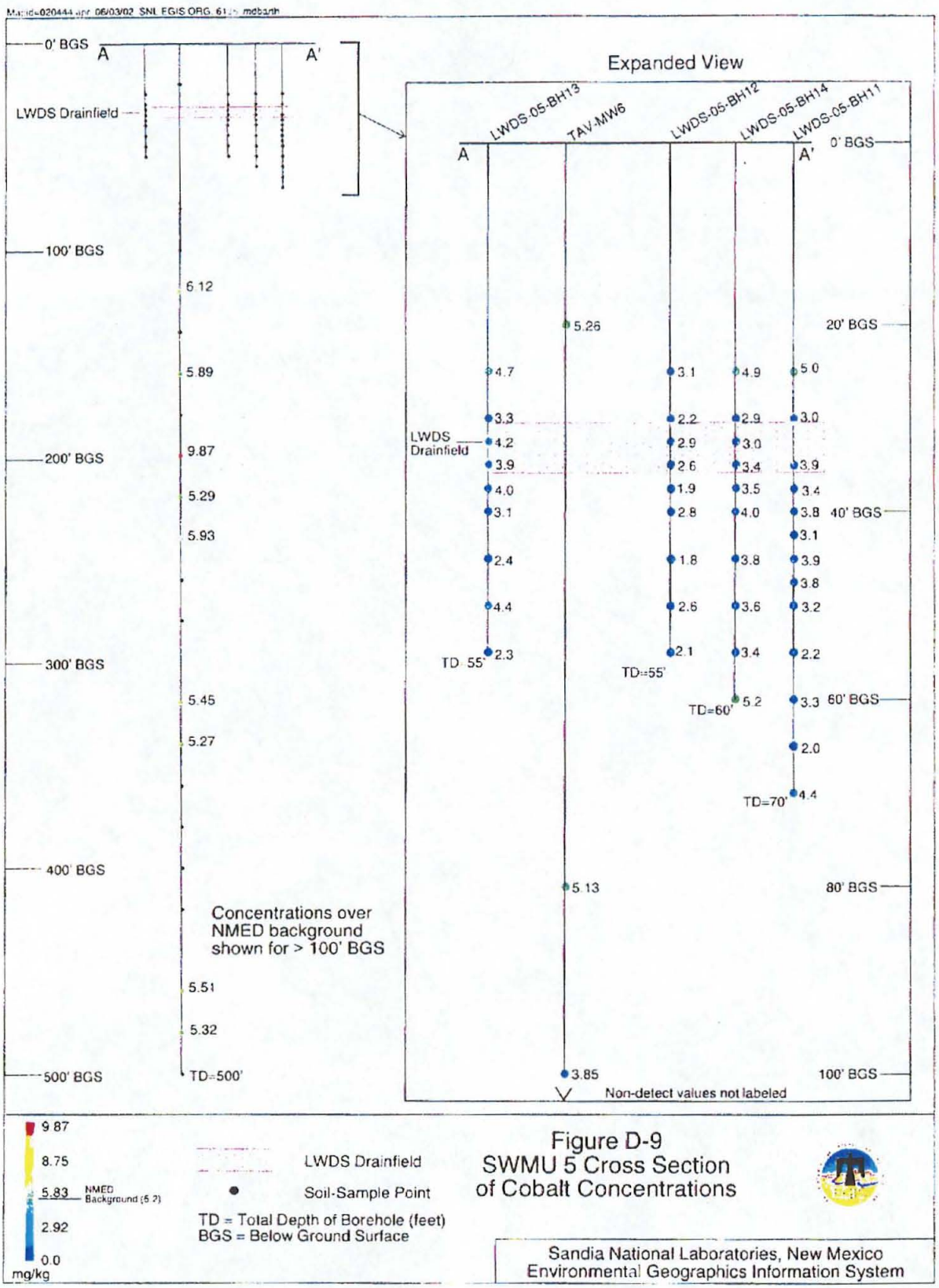


Figure D-9
SWMU 5 Cross Section
of Cobalt Concentrations

Sandia National Laboratories, New Mexico
Environmental Geographics Information System

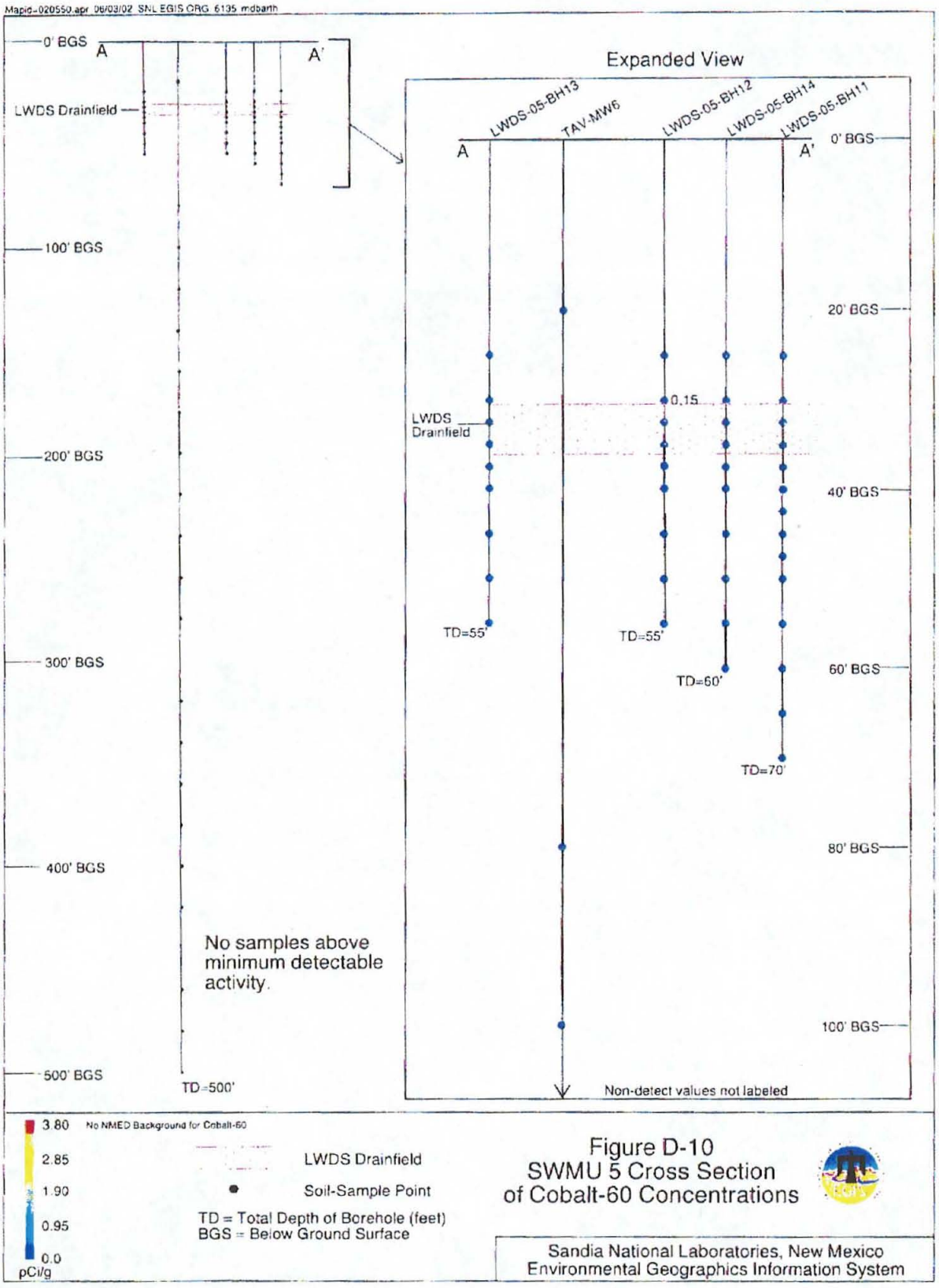


Figure D-10
SWMU 5 Cross Section
of Cobalt-60 Concentrations

Sandia National Laboratories, New Mexico
Environmental Geographics Information System

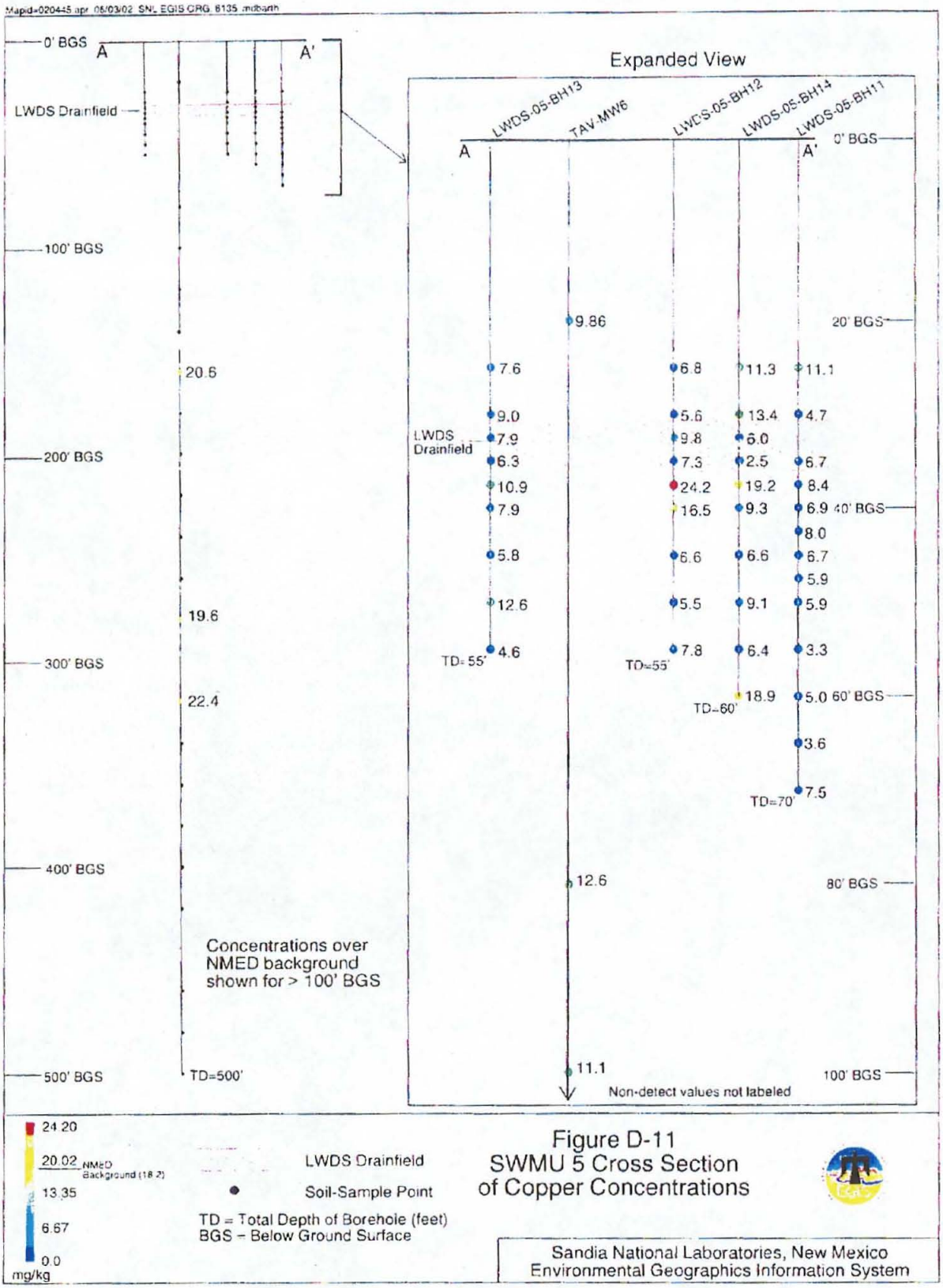


Figure D-11
SWMU 5 Cross Section
of Copper Concentrations

Sandia National Laboratories, New Mexico
Environmental Geographics Information System

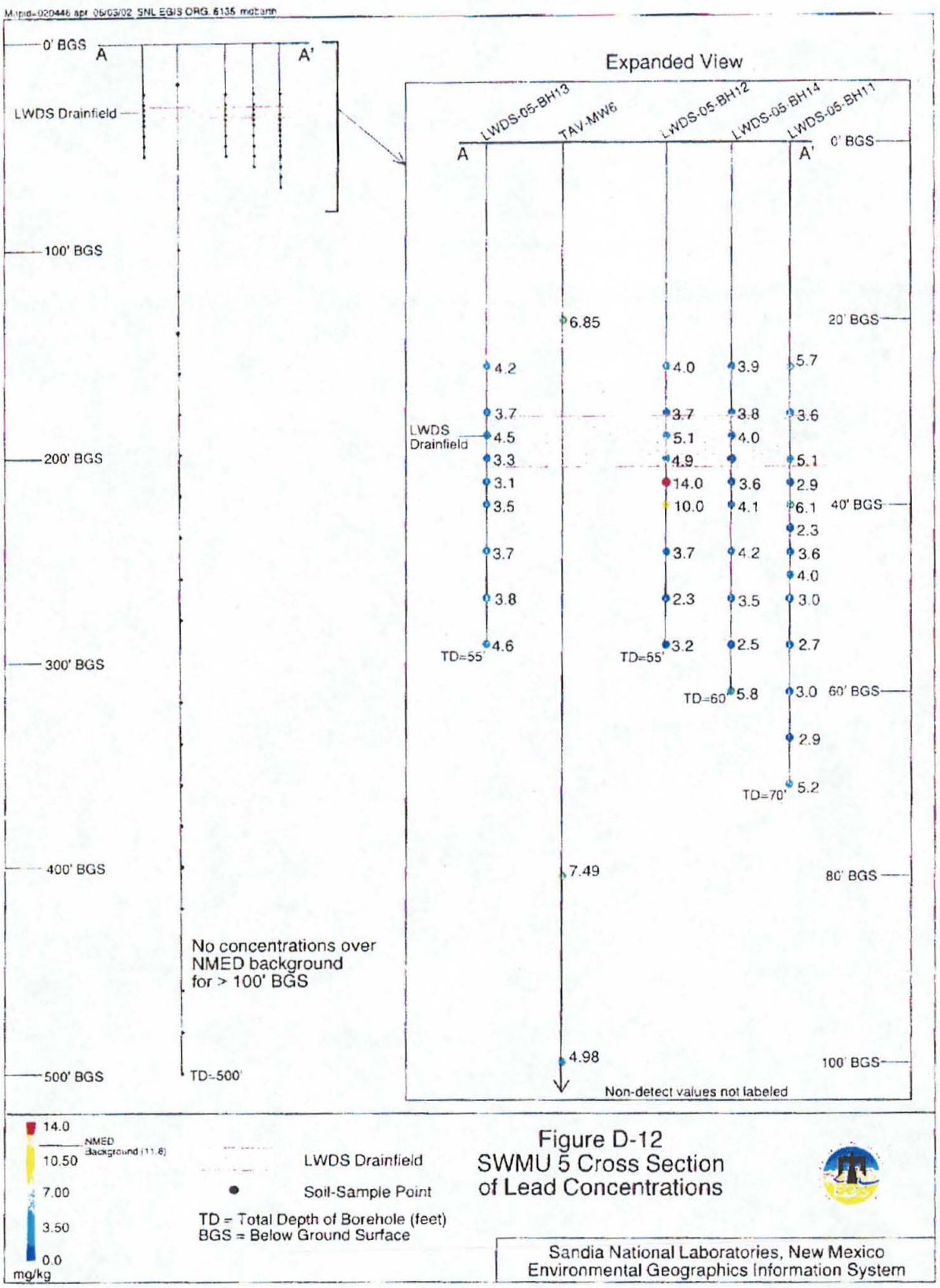


Figure D-12
SWMU 5 Cross Section
of Lead Concentrations

Sandia National Laboratories, New Mexico
Environmental Geographics Information System

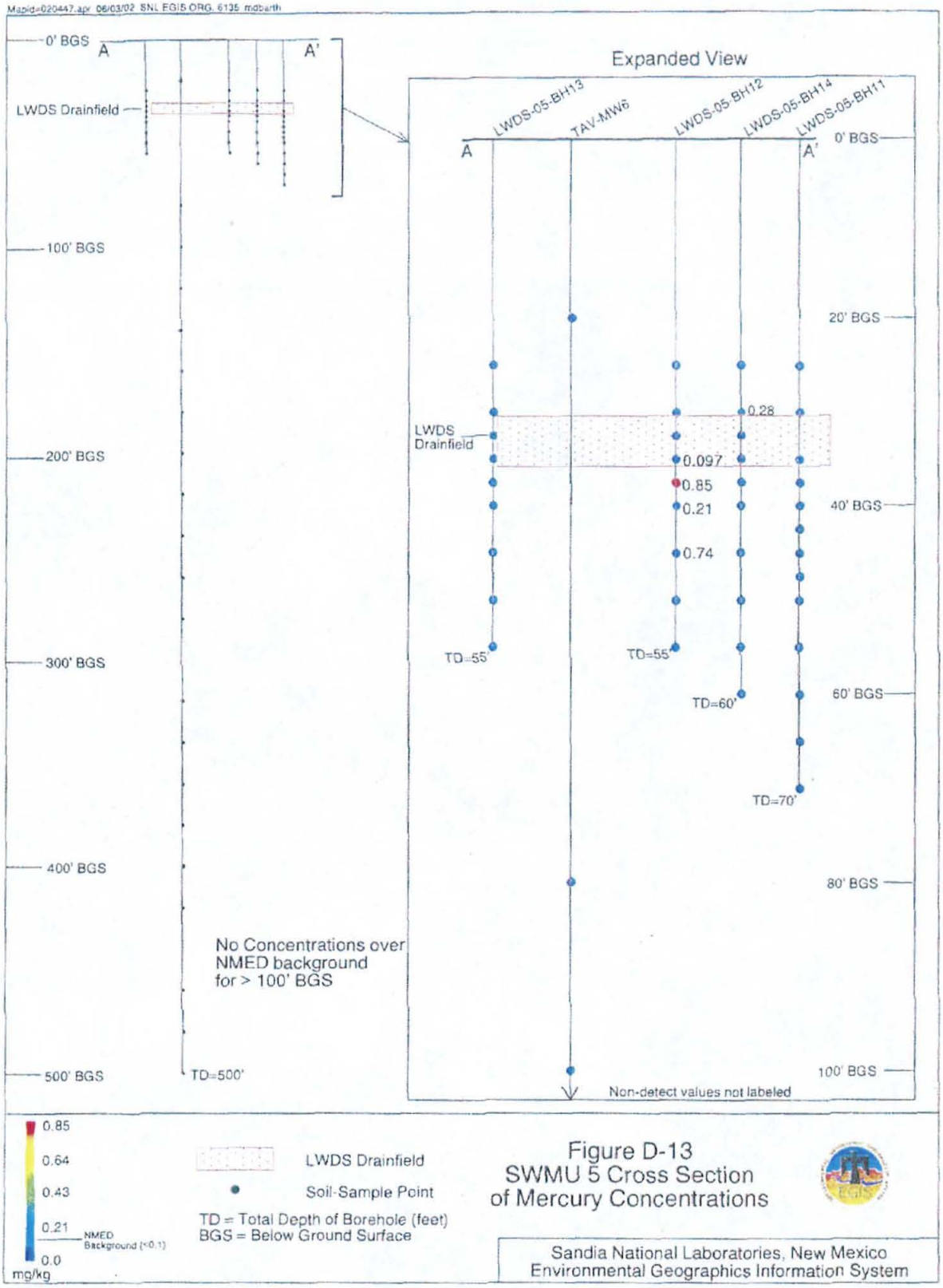


Figure D-13
SWMU 5 Cross Section
of Mercury Concentrations

Sandia National Laboratories, New Mexico
Environmental Geographics Information System

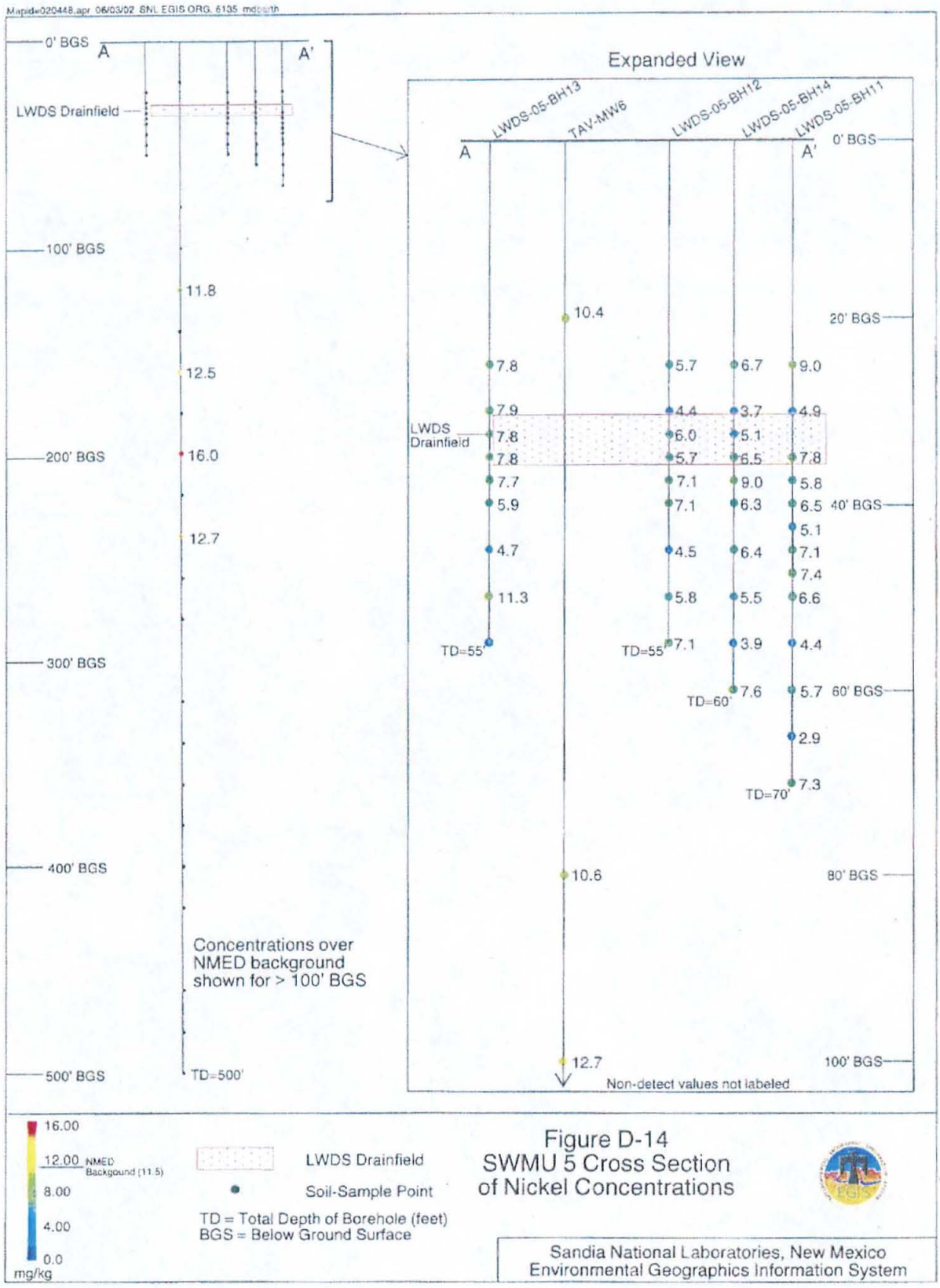


Figure D-14
SWMU 5 Cross Section
of Nickel Concentrations

Sandia National Laboratories, New Mexico
Environmental Geographics Information System

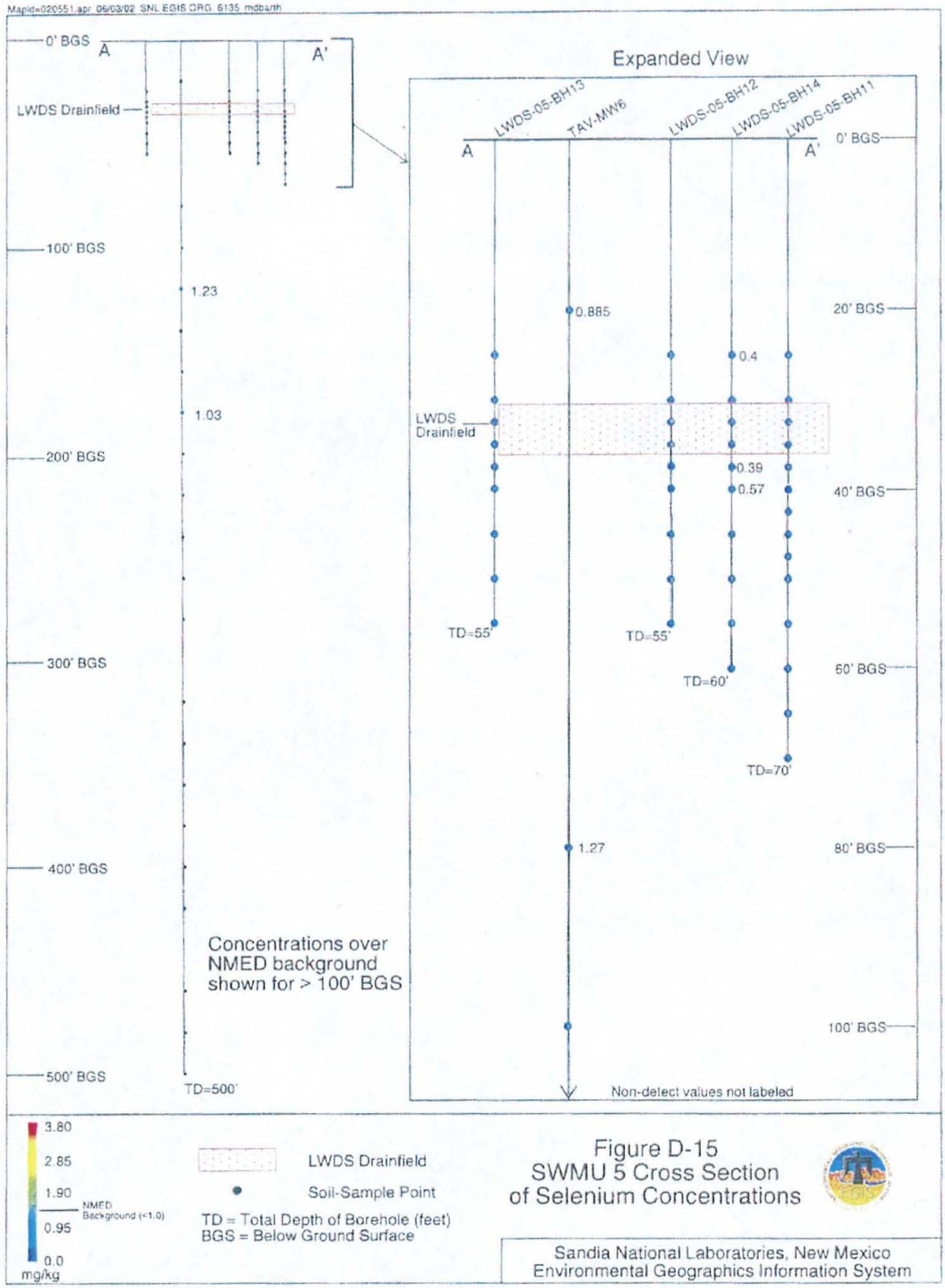


Figure D-15
SWMU 5 Cross Section
of Selenium Concentrations

Sandia National Laboratories, New Mexico
Environmental Geographics Information System

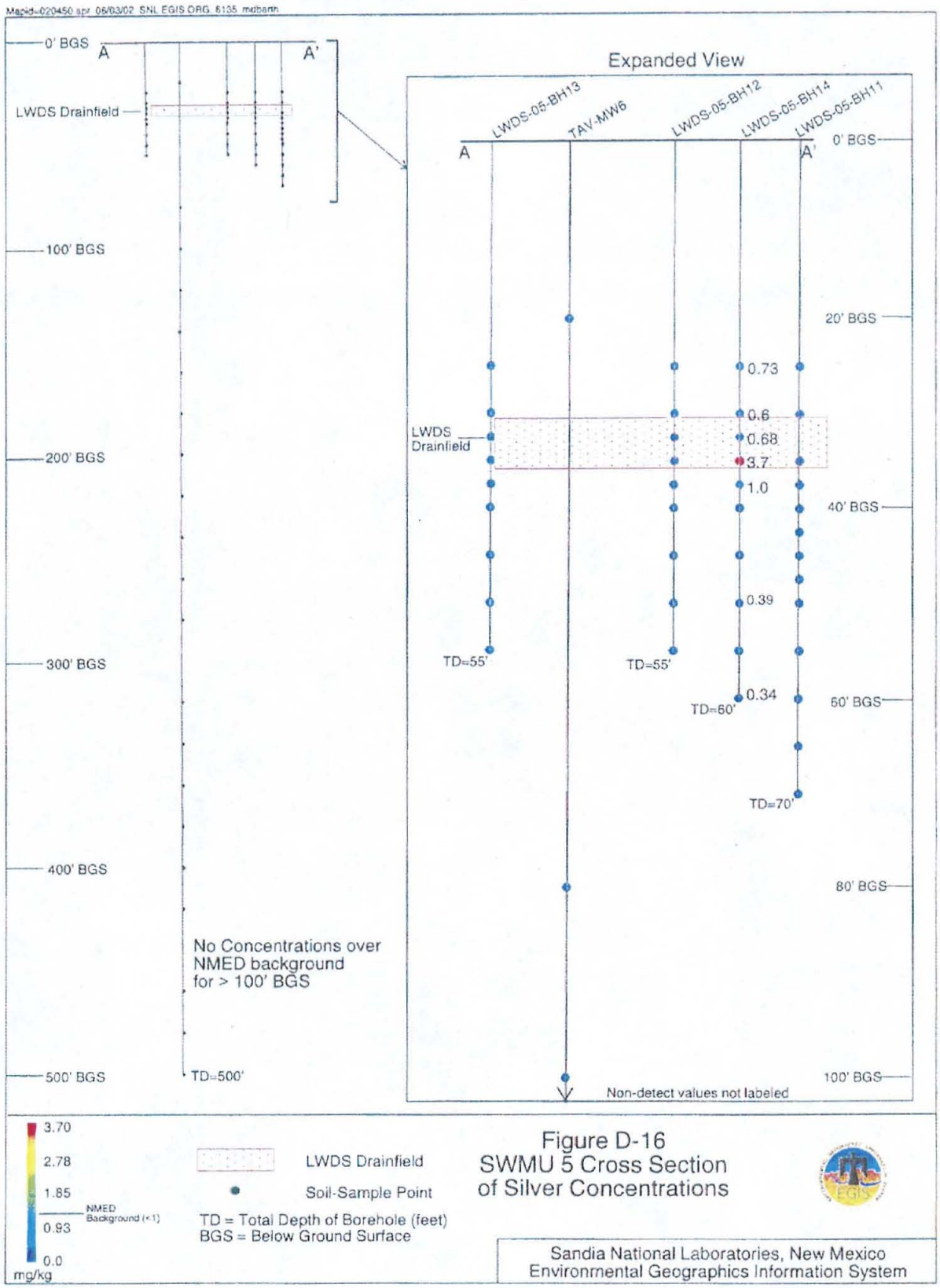


Figure D-16
SWMU 5 Cross Section
of Silver Concentrations

Sandia National Laboratories, New Mexico
Environmental Geographics Information System

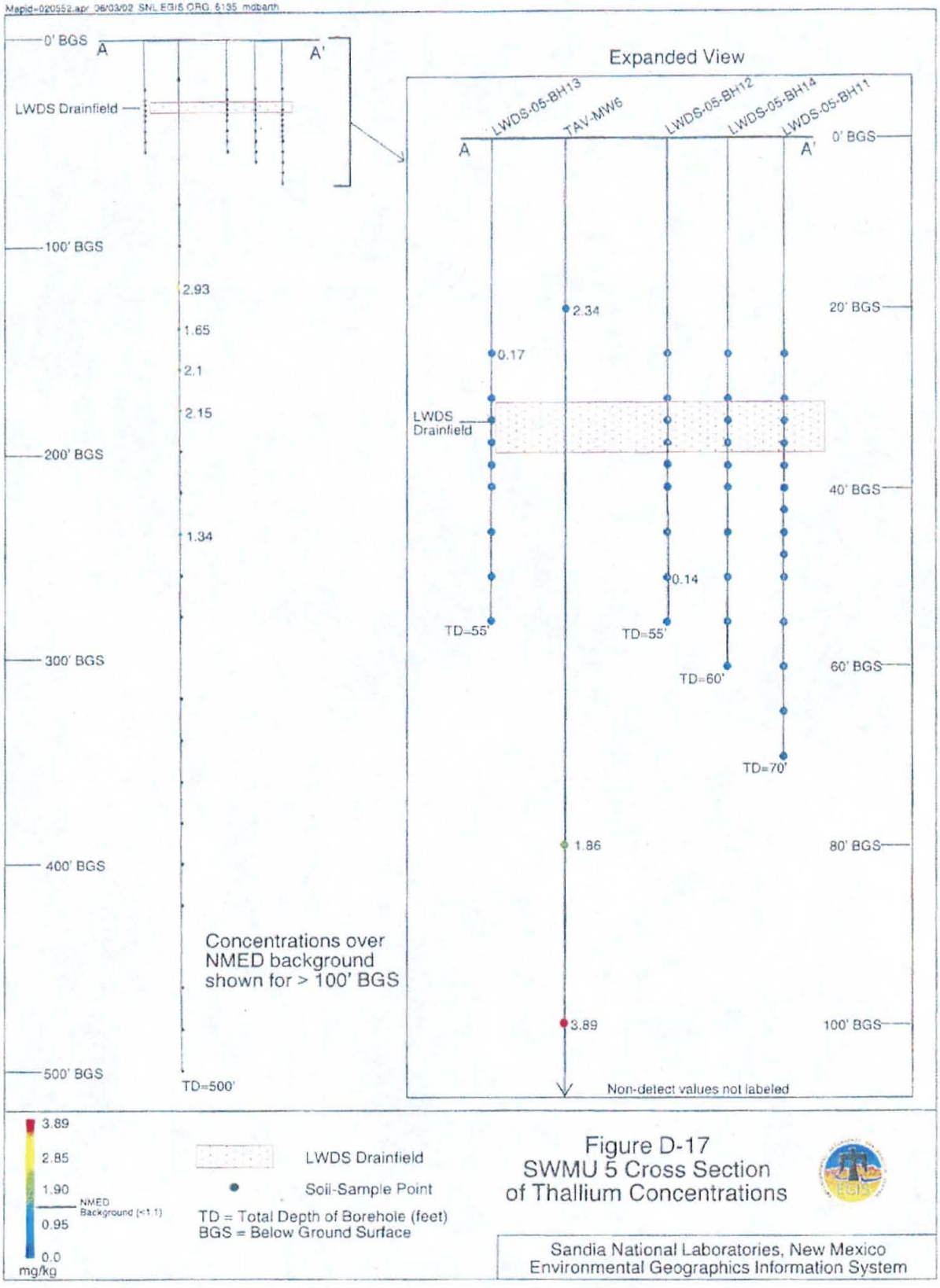


Figure D-17
SWMU 5 Cross Section
of Thallium Concentrations

Sandia National Laboratories, New Mexico
Environmental Geographics Information System

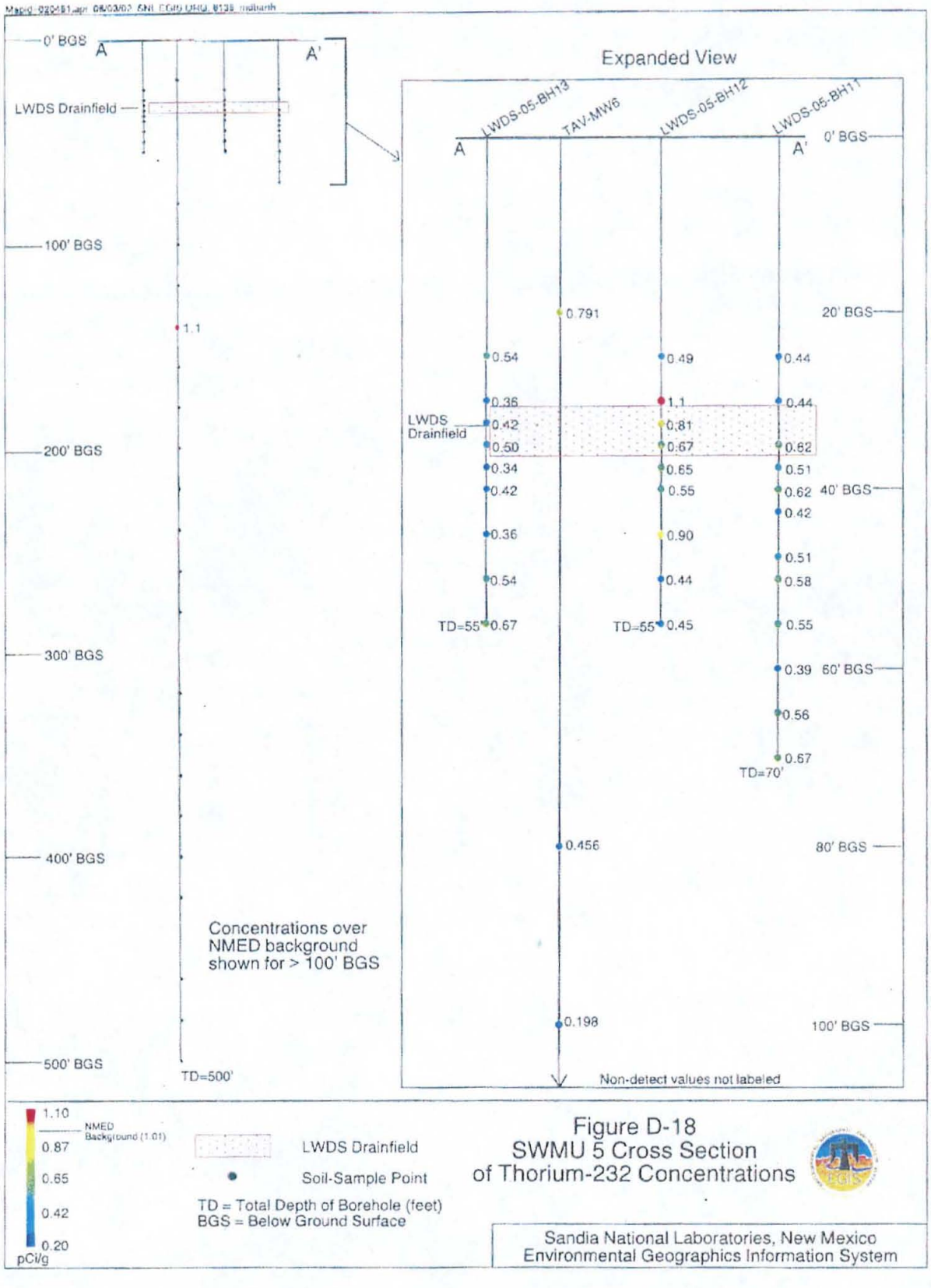


Figure D-18
SWMU 5 Cross Section
of Thorium-232 Concentrations

Sandia National Laboratories, New Mexico
Environmental Geographics Information System

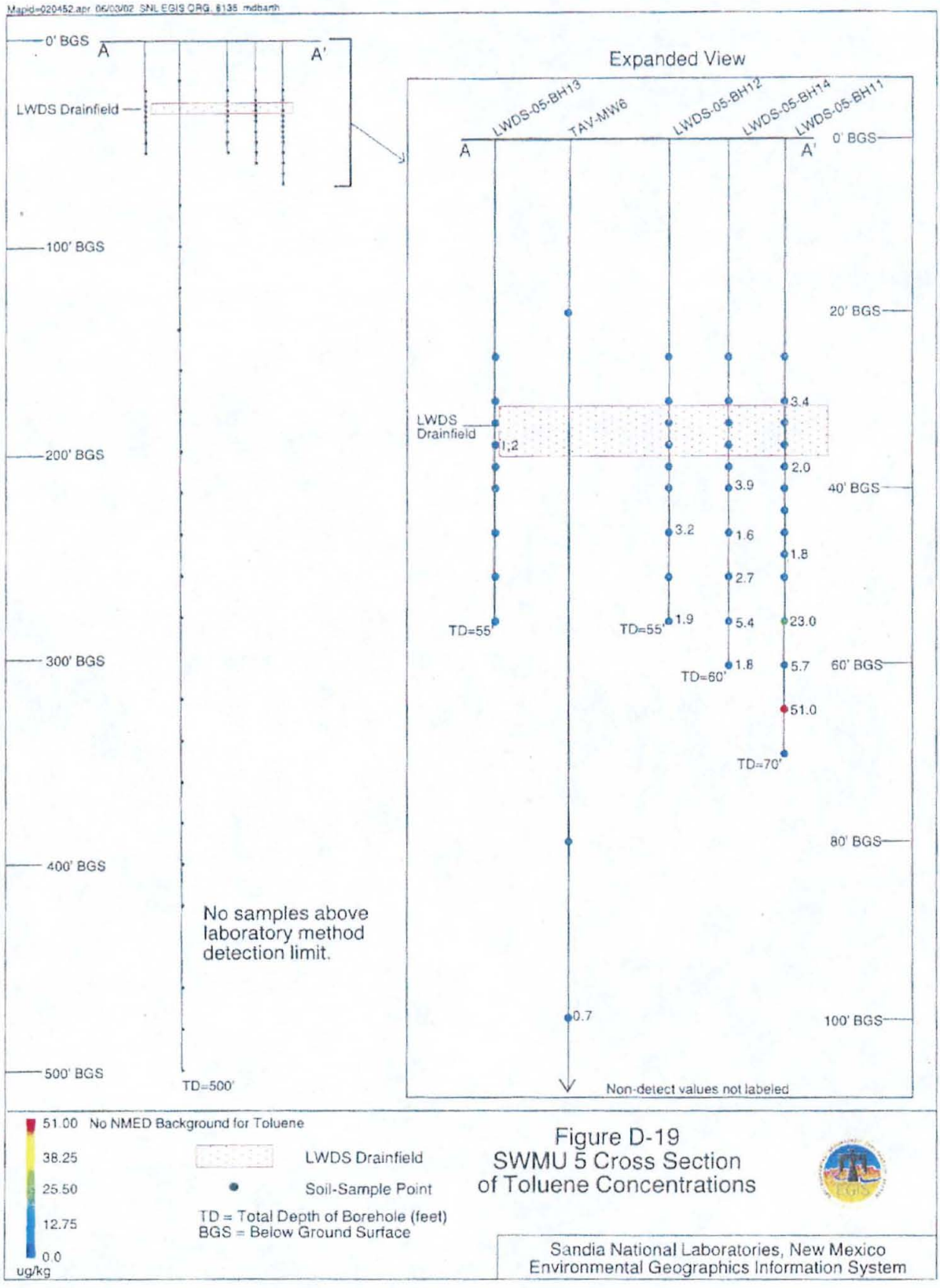
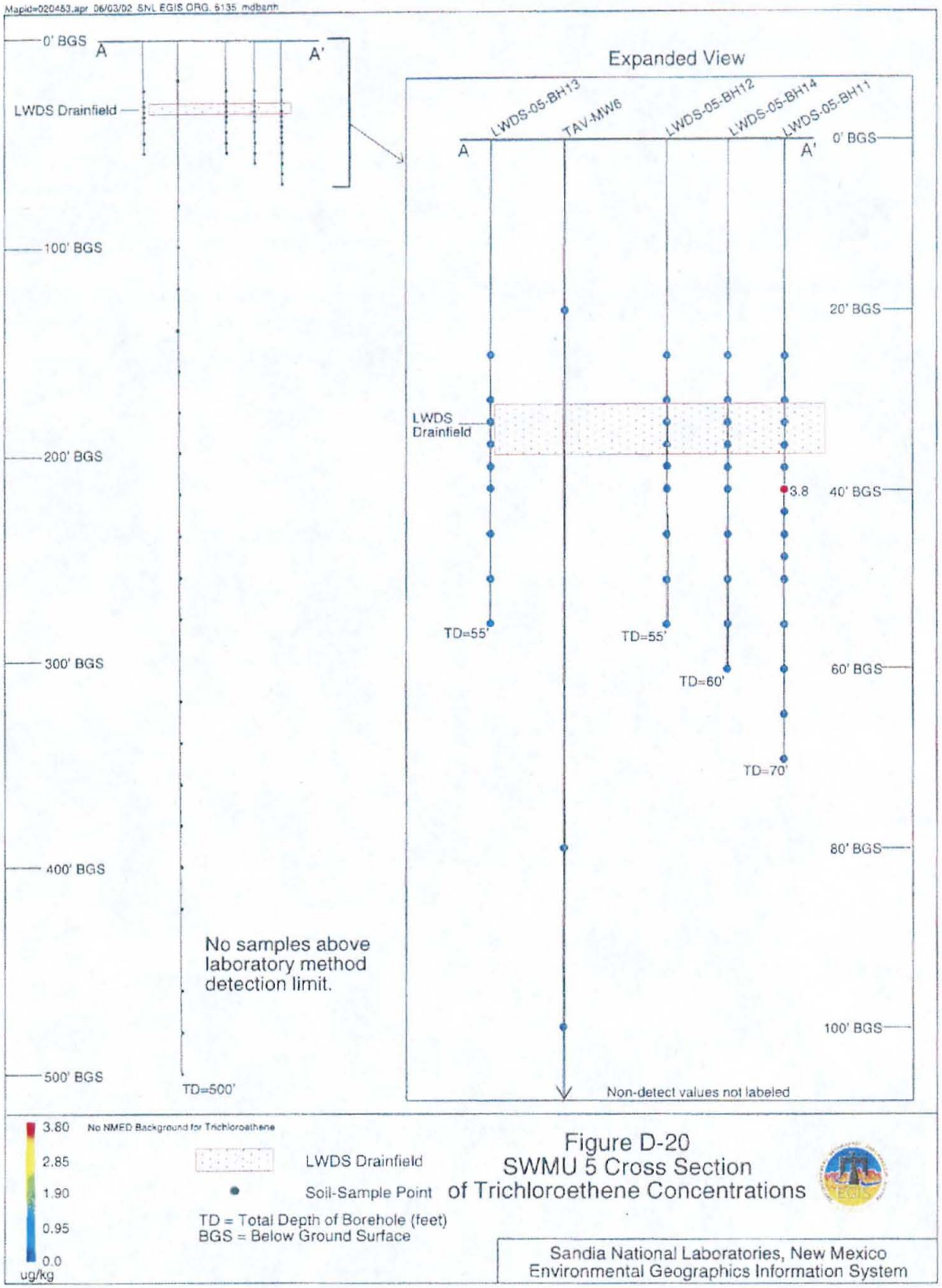


Figure D-19
SWMU 5 Cross Section
of Toluene Concentrations

Sandia National Laboratories, New Mexico
Environmental Geographics Information System


Mapid=020483.apr 06/03/02 SNL EGIS ORG. 6135 mdbarth
0' BGS
A
A'
LWDS Drainfield
100' BGS
200' BGS
300' BGS
400' BGS
500' BGS
TD=500'
No samples above laboratory method detection limit.
Expanded View
LWDS-05-BH13
TAV-MW6
LWDS-05-BH12
LWDS-05-BH14
LWDS-05-BH11
0' BGS
20' BGS
40' BGS
60' BGS
80' BGS
100' BGS
LWDS Drainfield
3.8
TD=55'
TD=55'
TD=60'
TD=70'
Non-detect values not labeled
3.80
2.85
1.90
0.95
0.0
ug/kg
No NMED Background for Trichloroethene
LWDS Drainfield
Soil-Sample Point
TD = Total Depth of Borehole (feet)
BGS = Below Ground Surface
Figure D-20
SWMU 5 Cross Section
of Trichloroethene Concentrations
Sandia National Laboratories, New Mexico
Environmental Geographics Information System

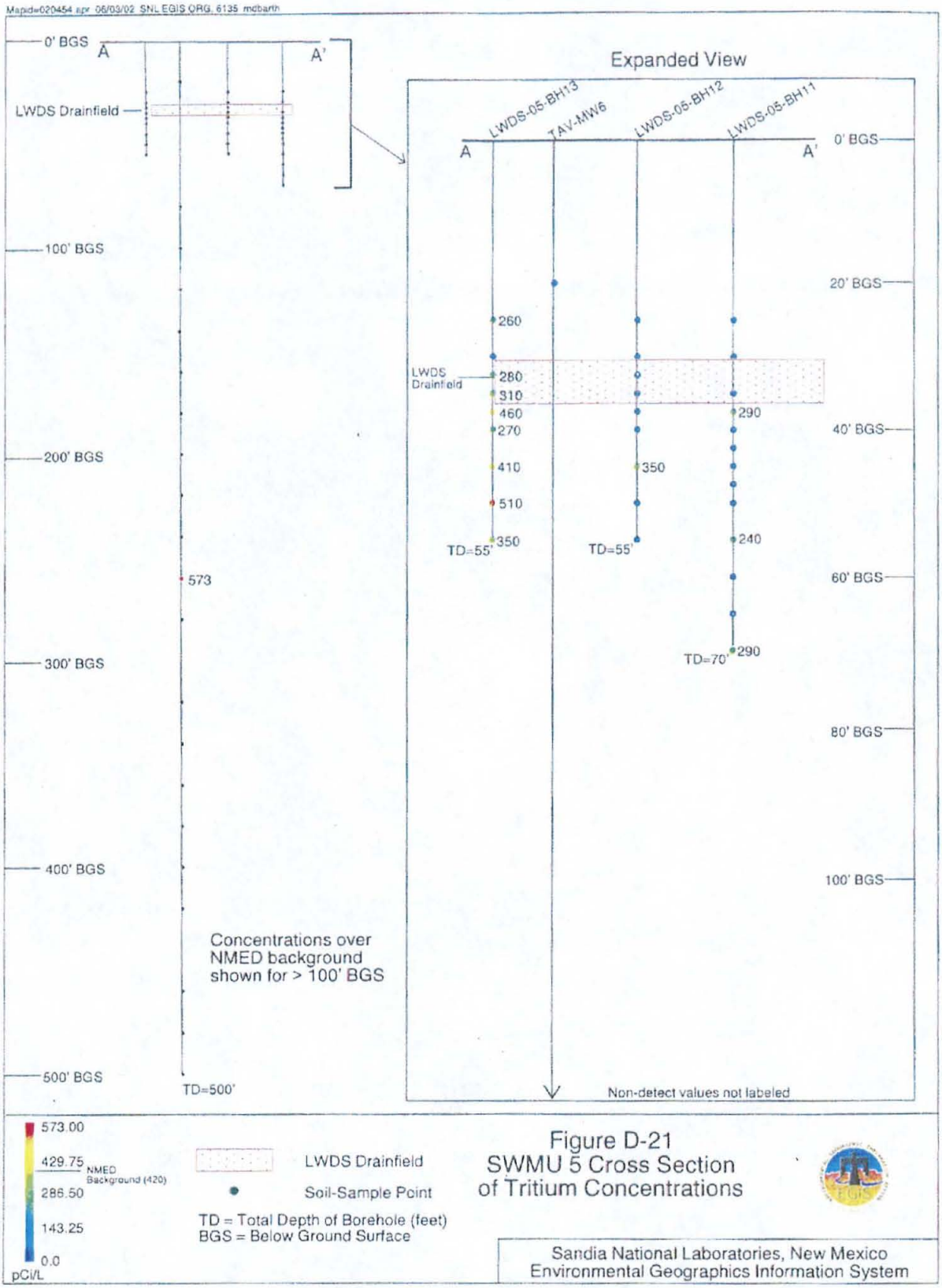


Figure D-21
SWMU 5 Cross Section
of Tritium Concentrations

Sandia National Laboratories, New Mexico
Environmental Geographics Information System

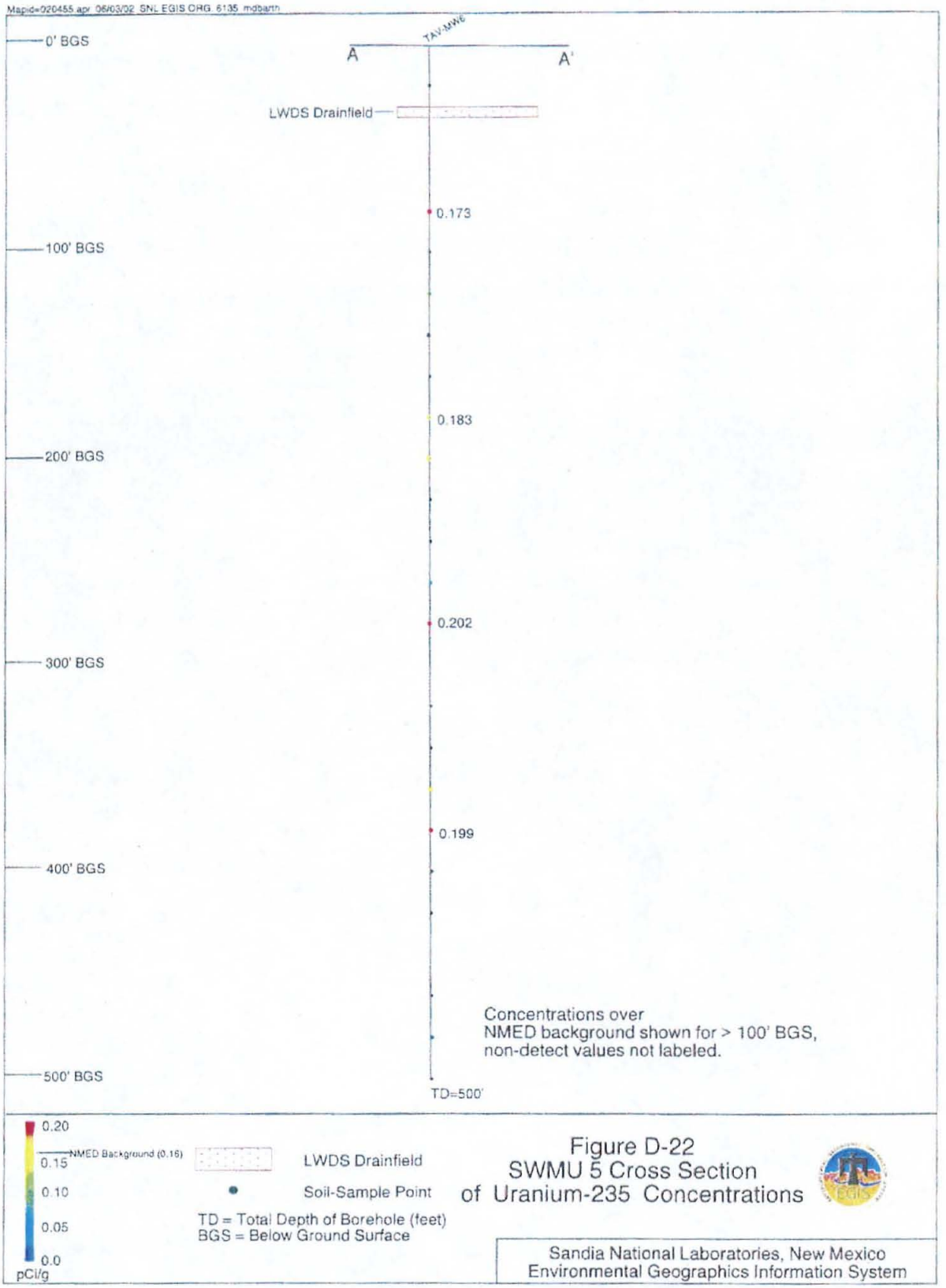


Figure D-22
SWMU 5 Cross Section
of Uranium-235 Concentrations

Sandia National Laboratories, New Mexico
Environmental Geographics Information System

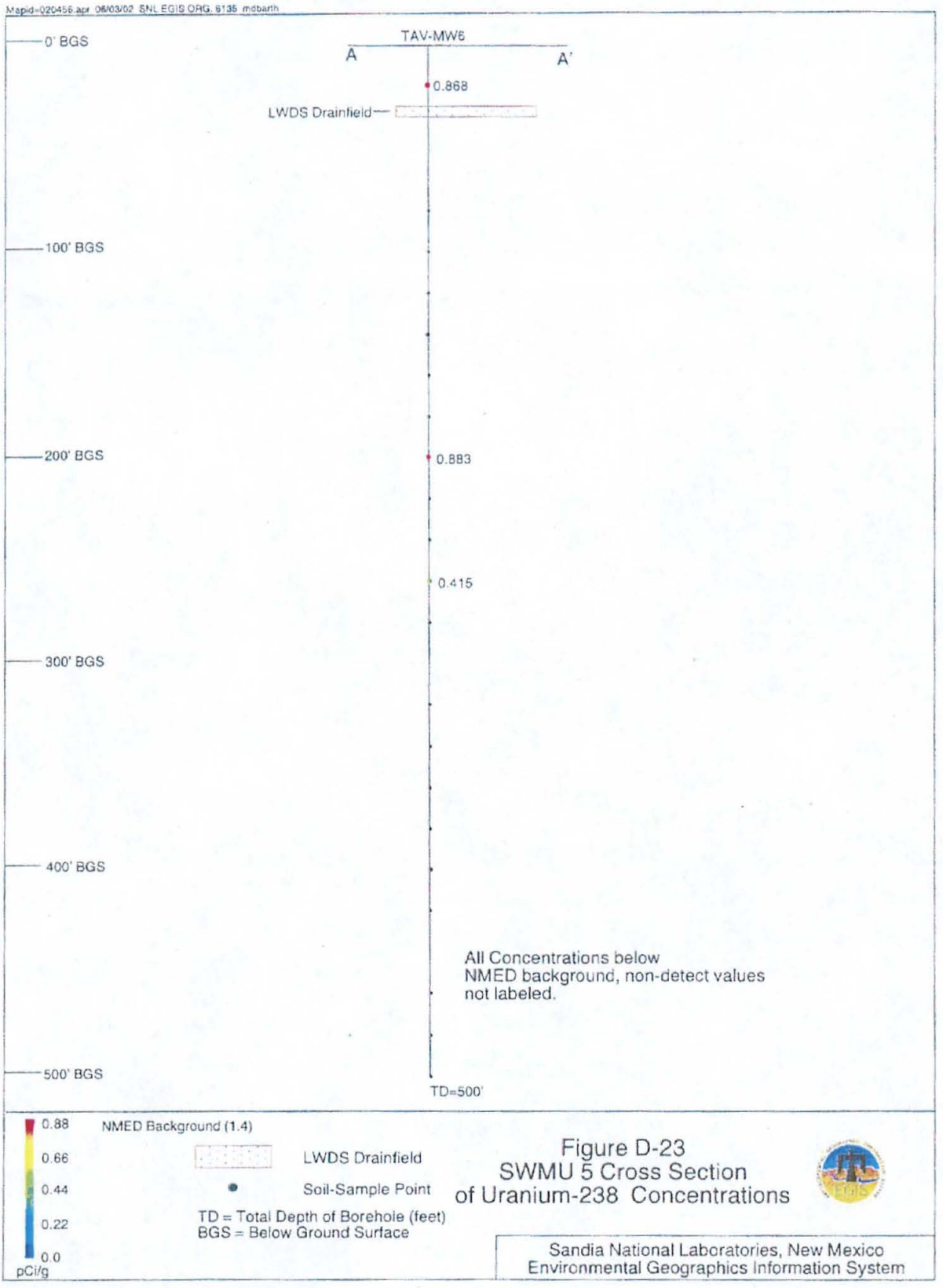
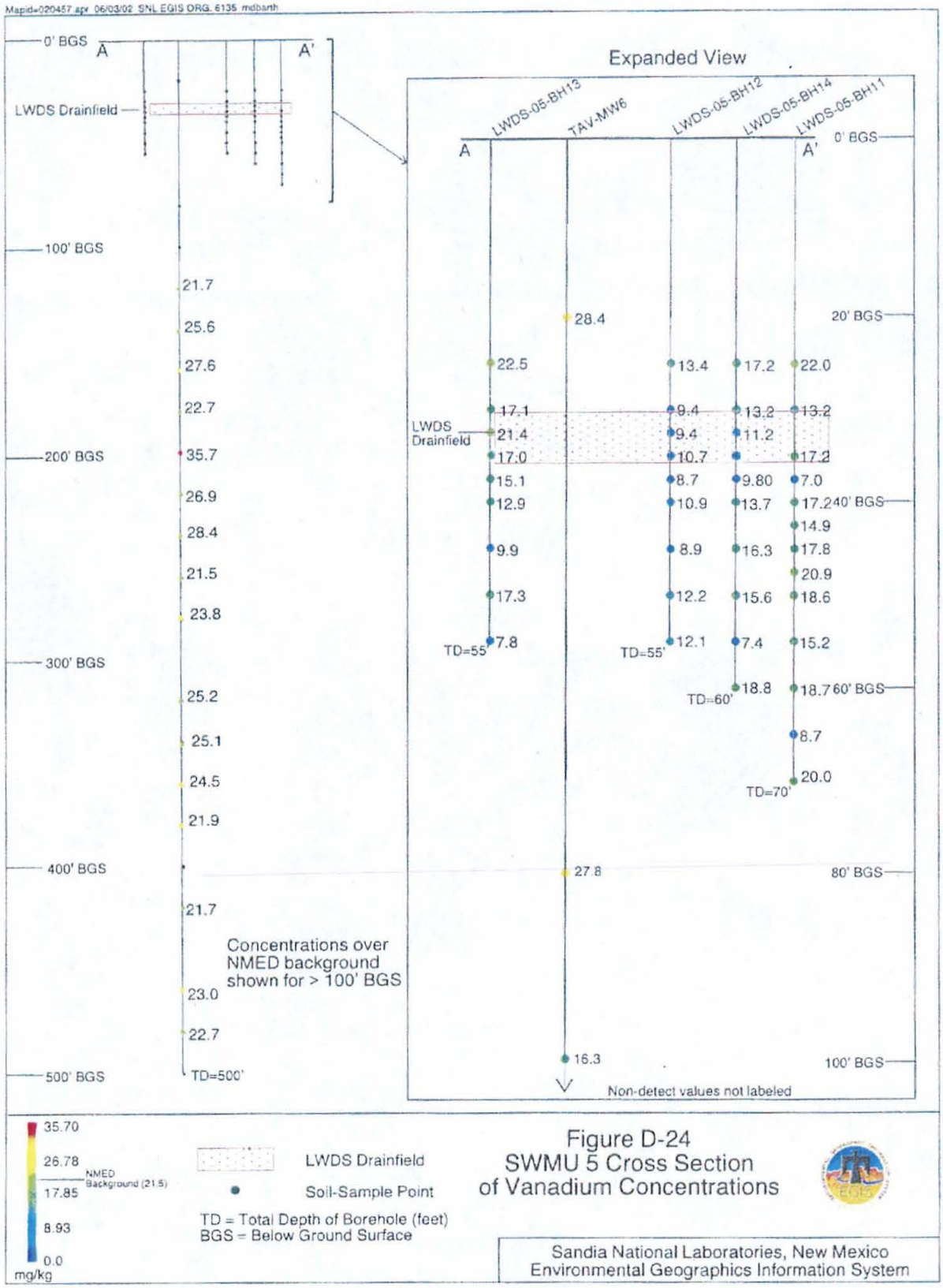


Figure D-23
SWMU 5 Cross Section
of Uranium-238 Concentrations


Mapid=020457.apv 06/03/02 SNL EGIS ORG. 6135 mdbarth
0' BGS
A
A'
LWDS Drainfield
100' BGS
200' BGS
300' BGS
400' BGS
500' BGS
21.7
25.6
27.6
22.7
35.7
26.9
28.4
21.5
23.8
25.2
25.1
24.5
21.9
21.7
23.0
22.7
TD=500'
Concentrations over NMED background shown for > 100' BGS
Expanded View
LWDS-05-BH13
TAV-MW6
LWDS-05-BH12
LWDS-05-BH14
LWDS-05-BH11
0' BGS
20' BGS
40' BGS
60' BGS
80' BGS
100' BGS
28.4
22.5
13.4
17.2
22.0
17.1
9.4
13.2
13.2
LWDS Drainfield
21.4
9.4
11.2
17.0
10.7
17.2
15.1
8.7
9.80
7.0
12.9
10.9
13.7
17.2
14.9
9.9
8.9
16.3
17.8
20.9
17.3
12.2
15.6
18.6
TD=55'
7.8
TD=55'
12.1
7.4
15.2
TD=60'
18.8
18.7
8.7
TD=70'
20.0
27.8
16.3
Non-detect values not labeled
35.70
26.78
NMED Background (21.5)
17.85
8.93
0.0
mg/kg
LWDS Drainfield
Soil-Sample Point
TD = Total Depth of Borehole (feet)
BGS = Below Ground Surface
Figure D-24
SWMU 5 Cross Section
of Vanadium Concentrations
Sandia National Laboratories, New Mexico
Environmental Geographics Information System

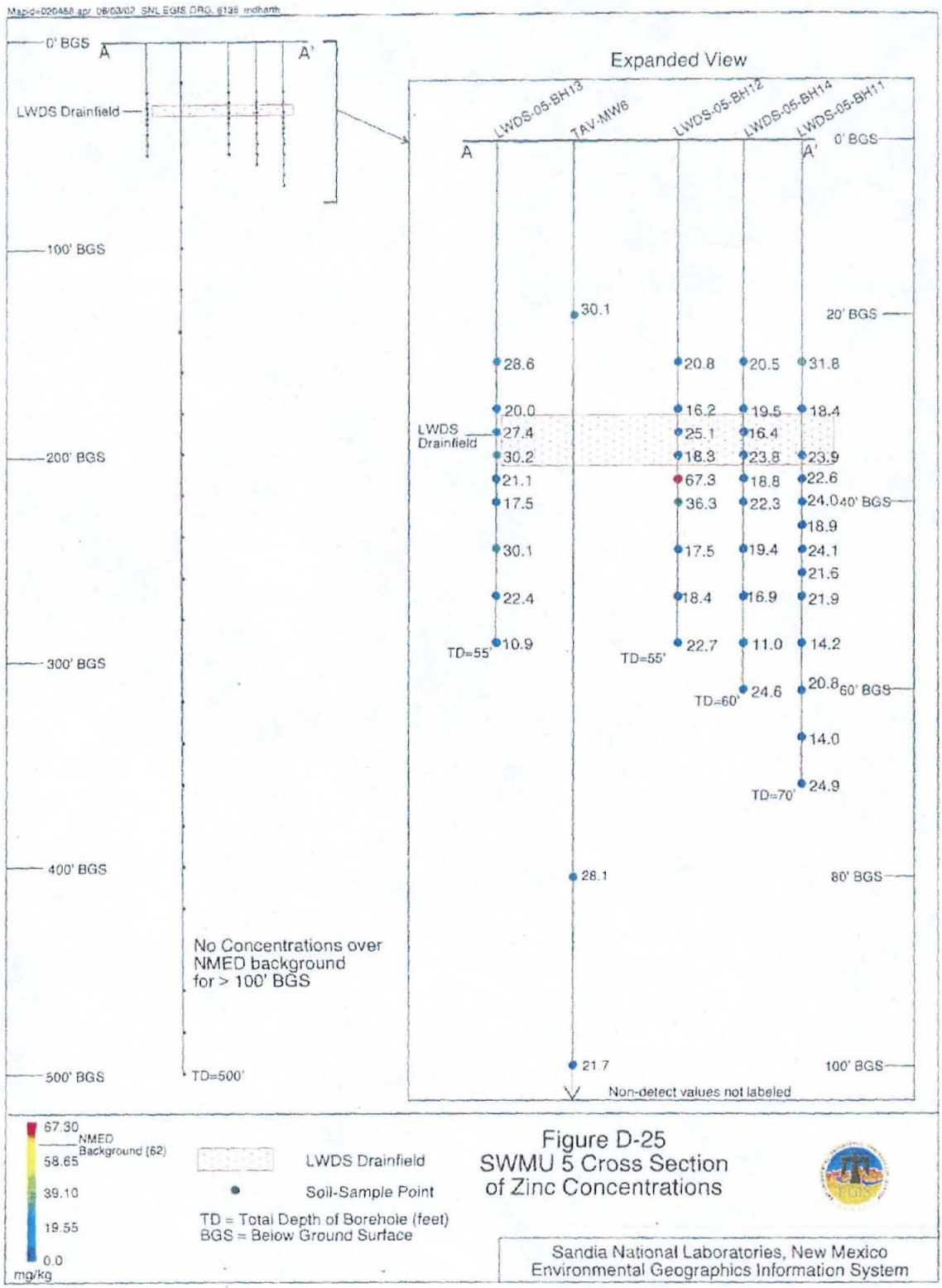
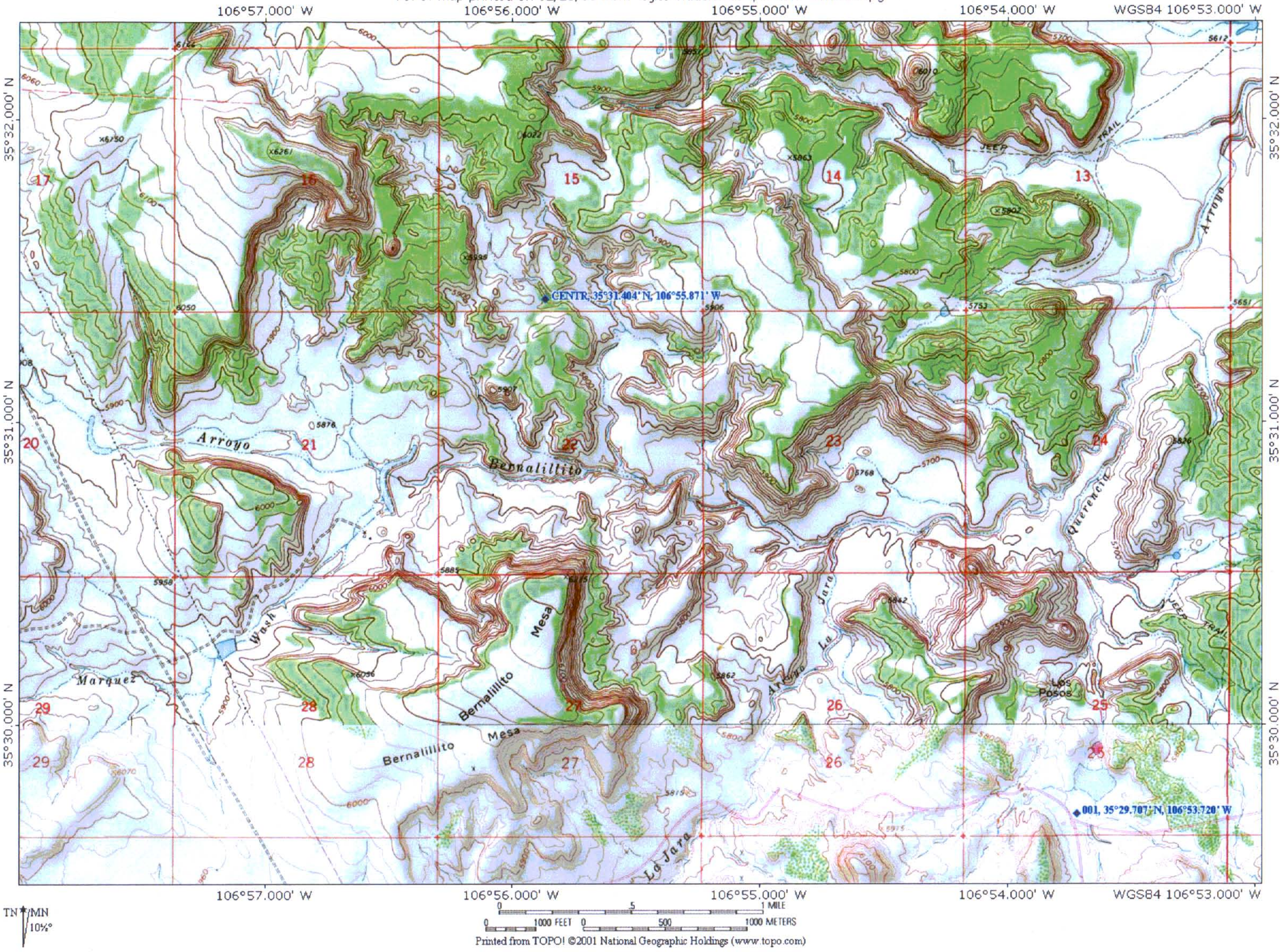


Figure D-25
SWMU 5 Cross Section
of Zinc Concentrations

TOPO! map printed on 02/23/06 from "Ojito Wilderness.tpo" and "Untitled.tpg"



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Attachment E
Risk Assessment

TABLE OF CONTENTS

LIST OF TABLES

SWMU 5: RISK SCREENING ASSESSMENT REPORT

I. Site Description and History

Solid Waste Management Unit (SWMU) 5, the Liquid Waste Disposal System (LWDS) drainfield at Sandia National Laboratories/New Mexico (SNL/NM), covers 0.11 acres and is located in Technical Area (TA)-V, operated by SNL/NM. TA-V is a fenced, secured research and testing area located in the northeast corner of TA-III. The site is paved and situated in a flat area west of Building 6580. The ground elevation at SWMU 5 is approximately 5,429 feet above mean sea level.

The LWDS was designed to receive, monitor, and discharge radioactive effluent from the Sandia Experimental Reactor Facility (SERF) in TA-V. The LWDS consists of three holding tanks (SWMU 52), a drainfield (SWMU 5), and two surface impoundments (SWMU 4). The drainfield, also known as Tank 3 of the system, constructed of a concrete conduit filled with gravel, is buried approximately 30 feet below grade.

The drainfield was operational from 1963 to 1967. During this time, radioactive discharges were drained into the holding tanks, where they were monitored and then pumped to the drainfield. It is estimated that the drainfield received approximately 12 million gallons of discharge water. The discharge water washed away the soil near the drainfield. In 1967, the drainfield collapsed.

In May 1993, a borehole for monitoring well LWDS-MW1 was drilled to a total depth of 525 feet. LWDS-MW1 was installed to investigate possible effects on groundwater (e.g., mounding and contamination) from the LWDS drainfield. The well was developed in July 1993, and has been sampled on a quarterly basis since then. Trichloroethene (TCE) and nitrate have been detected above the U.S. Environmental Protection Agency (EPA) Drinking Water Maximum Contaminant Levels (MCLs) in groundwater samples from LWDS-MW1. The maximum TCE and nitrate concentrations in LWDS-MW1 were 24 parts per billion (ppb) and 16.3 ppb, respectively. Constituents of concern (COCs) at SWMU 5 are organic compounds, heavy metals, and radionuclides.

Beginning in 1993, four boreholes (LWDS-05-BH11 through LWDS-05-BH14) were installed at the LWDS drainfield. The boreholes were completed in March 1994. Soil core was retrieved, and samples were collected for off-site laboratory analysis. Details of the drilling and sample collection are provided in the Results of the Liquid Waste Disposal System Resource Conservation and Recovery Act (RCRA) Facility Investigation (RFI) (SNL/NM September 1995).

Four additional groundwater monitoring wells (TAV-MW6 through TAV-MW9) were installed in 2001 to further characterize the groundwater contamination in this area. TAV-MW6 was drilled within the boundaries of SWMU 5. Details of the drilling activities, including soil sampling, can be found in the Summary of Monitoring Well Drilling Activities TA-V Groundwater Investigation (SNL/NM October 2001).

The annual precipitation for the area, measured at the Albuquerque International Sunport, is 8.1 inches. No springs or perennial surface-water bodies are located within two miles of the

site. During rainstorms, rainfall is collected in storm sewer systems and drains into the LWDS holding tanks (SWMU 52).

Groundwater monitoring for the area surrounding SWMU 5 is conducted as part of the TA-III/V Groundwater Investigation (SNL/NM March 2000). Thirteen monitoring wells are located within 1 mile of SWMU 5. The depth to the regional aquifer is approximately 480 to 500 feet below ground surface (bgs) (SNL/NM March 2000). Both the City of Albuquerque and KAFB use the regional aquifer for water supply purposes. The nearest water-supply well, KAFB-4, is located approximately 2 miles north of SWMU 5, although this well is not used on a regular basis.

II. Data Quality Objectives

The Data Quality Objectives (DQOs) are presented in the LWDS RFI Work Plan (SNL/NM March 1993) and the Field Implementation Plan (FIP) Technical Area V TAV-MW6, -MW7, -MW8, and -MW9 Monitor Well Installations (SNL/NM February 2001). The DQOs outline the Quality Control/Quality Assurance (QA/QC) requirements necessary for producing defensible analytical data suitable for risk assessment purposes. The sampling conducted at SWMU 5 was designed to:

- Characterize the nature and extent of any residual COCs; and
- Provide sufficient quality analytical data to support risk screening assessments.

Table 1 summarizes the rationale for designing the sampling plan.

Table 1
Summary of Sampling Performed to Meet Data Quality Objectives

SWMU 5 Sampling Areas	Potential COC Source	Number of Sampling Locations	Sample Density	Sampling Location Rationale
Four Soil Boreholes (completed in 1994) LWDS-BH11 through LWDS-BH14	Discharge water from the LWDS drainfield	Four boreholes (3 located at the edge of the drainfield and 1 within the boundary of the drainfield)	Borehole and sample depths varied (see Table 2)	Confirm that no significant levels of COCs exist in the soil
Borehole for TAV-MW6 (completed in 2001)	Discharge water from the LWDS drainfield	1 borehole	Soil samples collected every 20 ft to 500 ft	Confirm that no significant levels of COCs exist in the soil

COC = Contaminants of concern.
ft = Foot (feet).
LWDS = Liquid Waste Disposal System.
SWMU = Solid Waste Management Unit.

Table 2 summarizes the sample collection and analyses performed for SWMU 5. The confirmatory soil samples were collected during two drilling events (1994 and 2001). All of the soil samples were sub-surface soil samples. Soil-vapor samples also were collected during the 2001 drilling activities (Table 3). Details of the collection and analytical results of the soil-vapor

Table 2
Soil Sample Summary and Analytical Suites for Samples Collected from the LWDS-05-BH11 through LWDS-05-BH14 Boreholes, TA-V, 1994

Borehole	Date Sampled	Record Number[a]	Sample Depth (ft bgs)	TAL Metals (EPA Methods 6010/7060/7421/ 7471/7740/7841)	VOCs (EPA Method 8240)	SVOCs (EPA Method 8270)	Tritium (EPA Method 906.0)	Gamma Spectroscopy (EPA Method 901.1)
LWDS-05-BH11	03-20-94	508618	25, 30, 35, 37.5, 40, 42.5, 45, 47.5, 50, 55, 60, 65, 70, 70D	X	X	X	–	–
			32.5	–	X	–	–	–
		508805	25, 30, 35, 37.5, 40, 42.5, 45, 47.5, 50, 55, 60, 65, 70, 70D	–	–	–	X	X
		508687	70	–	–	–	X	–
LWDS-05-BH12	03-21-94	508807	25, 30, 32.5, 35, 37.5, 40, 45, 50, 55, 55D	X	X	X	–	–
		508687	55	–	–	–	X	–
		508808	25, 30, 32.5, 35, 37.5, 40, 45, 50, 55, 55D	–	–	–	X	X
LWDS-05-BH13	03-22-94	508809	25, 30, 32.5, 35, 37.5, 40, 45, 50, 50D, 55	X	X	X	–	–
		508810	25, 30, 32.5, 35, 37.5, 40, 45, 50, 50D, 55	–	–	–	X	X
LWDS-05-BH14	03-22-94	508426	25, 30, 32.5, 35, 37.5, 40, 45, 50, 55, 60, 60D	X	X	X	–	–
		508685	25, 30, 32.5, 35, 37.5, 40, 45, 50, 55, 60, 60D	–	–	–	X	X

Refer to footnotes at end of table.

Table 2 (Concluded)
Soil Sample Summary and Analytical Suites for Samples Collected from the LWDS-05-BH11 through LWDS-05-BH14 Boreholes, TA-V, 1994

Borehole	Date Sampled	Record Number[a]	Sample Depth (ft bgs)	TAL Metals (EPA Methods 6010/7060/7421/ 7471/7740/7841)	VOCs (EPA Method 8240)	SVOCs (EPA Method 8270)	Tritium (EPA Method 906.0)	Gamma Spectroscopy (EPA Method 901.1)
Quality Control Samples			Sample Type					
LWDS-05-BH11	03-20-94	508618	Equipment Blank	X	X	X	–	–
			Trip Blank	–	X	–	–	–
		508805	Equipment Blank	–	–	–	X	X
LWDS-05-BH12	03-21-94	508807	Equipment Blank	X	X	X	–	–
			Trip Blank	–	X	–	–	–
		508808	Equipment Blank	–	–	–	X	X
LWDS-05-BH13	03-22-94	508809	Equipment Blank	X	X	X	–	–
			Trip Blank	–	X	–	–	–
		508810	Equipment Blank	–	–	–	X	X
LWDS-05-BH14	03-22-94	508426	Equipment Blank	X	X	X	X	X
			Trip Blank	–	X	–	–	–
		508685	Equipment Blank	–	–	–	X	X

[a]Analysis request/chain-of-custody record.
bgs = Below ground surface.
BH = Borehole.
D = Duplicate soil sample.
EPA = U.S. Environmental Protection Agency.
ft = Foot (feet).
LWDS = Liquid Waste Disposal System.
SVOC = Semivolatile organic compound.
TA = Technical Area.
TAL = Target Analyte List.
VOC = Volatile organic compound.
X = Indicates that sample was collected from interval.
– = Indicates that no sample was collected from interval.

Table 3
Soil and Soil-Vapor Sample Summary and Analytical Suites for Samples Collected from the TAV-MW6 Borehole, TA-V, 2001

Soil and Associated QA/QC Samples										Soil-Vapor Samples
Record Number[a]	ER Sample ID	Date Sampled	Sample Depth (ft bgs)	TAL Metals (EPA Methods 6010B/7471A)	VOCs (EPA Method 8260)	Tritium (EPA Method 906.0)	Gamma Spectroscopy (EPA Method 901.1)	Volumetric Soil Moisture (wt. %)[b]	Volumetric Soil Moisture (wt. %)[c]	Soil-Vapor VOCs (EPA Method 8260)
TAV-MW6 Borehole Samples										
604412[d]	TAV-BH-MW6-20-S,SG	4-17-01	20	X	X	X	X	X	X	X
604413[e]	TAV-BH-MW6-42-SG	4-17-01	42[f]	–	–	–	–	–	–	X
604414[g]	TAV-BH-MW6-60-SG	4-17-01	60[f]	–	–	–	–	–	–	X
	TAV-BH-MW6-80-S,SG	4-17-01	80[f]	X	X	–	X	–	–	X
	TAV-BH-MW6-100-S,SG	4-17-01	100[f]	X	X	–	X	–	–	X
	TAV-BH-MW6-20-TB	4-17-01	NA	–	X	–	–	–	–	–
604415[d]	TAV-BH-MW6-120-S,SG	4-18-01	120	X	X	X	X	X	X	X
604416[e]	TAV-BH-MW6-140-S,SG	4-18-01	140	X	X	X	X	X	X	X
604417[g]	TAV-BH-MW6-160-S,SG	4-18-01	160	X	X	X	X	X	X	X
	TAV-BH-MW6-160-DU	4-18-01	160	–	–	–	–	–	–	X
	TAV-BH-MW6-180-S,SG	4-18-01	180	X	X	X	X	X	X	X
	TAV-BH-MW6-120-TB	4-18-01	NA	–	X	–	–	–	–	–
604418[d]	TAV-BH-MW6-200-S,SG	4-19-01	200	X	X	X	X	X	X	X
604419[e]	TAV-BH-MW6-200-DU	4-19-01	200	X	X	X	X	X	–	–
604420[g]	TAV-BH-MW6-220-S,SG	4-19-01	220	X	X	X	X	X	X	X
	TAV-BH-MW6-240-S,SG	4-19-01	240	X	X	X	X	X	X	X
	TAV-BH-MW6-260-S,SG	4-19-01	260	X	X	X	X	X	X	X
	TAV-BH-MW6-280-S,SG	4-19-01	280	X	X	X	X	X	X	X
	TAV-BH-MW6-200-TB	4-19-01	NA	–	X	–	–	–	–	–

Refer to notes at end of table.

Table 3 (Continued)
Soil and Soil-Vapor Sample Summary and Analytical Suites for Samples Collected from the TAV-MW6 Borehole, TA-V, 2001

Soil and Associated QA/QC Samples										Soil-Vapor Samples
Record Number[a]	ER Sample ID	Date Sampled	Sample Depth (ft bgs)	TAL Metals (EPA Methods 6010B/7471A)	VOCs (EPA Method 8260)	Tritium (EPA Method 906.0)	Gamma Spectroscopy (EPA Method 901.1)	Volumetric Soil Moisture (wt. %)[b]	Volumetric Soil Moisture (wt. %)[c]	Soil-Vapor VOCs (EPA Method 8260)
604435[d]	TAV-BH-MW6-300-SG	4-20-01	300[f]	–	–	–	–	–	–	X
604436[e]	TAV-BH-MW6-320-S,SG	4-20-01	320	X	X	X	X	X	X	X
604437[g]	TAV-BH-MW6-340-S,SG	4-20-01	340	X	X	X	X	X	X	X
	TAV-BH-MW6-360-S,SG	4-20-01	360	X	X	X	X	X	X	X
	TAV-BH-MW6-360-DU	4-20-01	360	X	X	X	–	X	X	–
	TAV-BH-MW6-380-S,SG	4-20-01	380	X	X	X	X	X	X	X
	TAV-BH-MW6-380-DU	4-20-01	380	–	–	–	X	–	–	X
	TAV-BH-MW6-400-S,SG	4-20-01	400	X	X	X	X	X	X	X
	TAV-BH-MW6-320-TB	4-20-01	NA	–	X	–	–	–	–	–
	TAV-BH-MW6-380-EB	4-20-01	NA	X	X	X	–	–	–	–
604438[d]	TAV-BH-MW6-420-S,SG	4-21-01	420	X	X	X	X	X	X	X
604439[e]	None	4-21-01	440[f]	–	–	–	–	–	–	–
604440[g]	TAV-BH-MW6-460-S,SG	4-21-01	460	X	X	X	X	X	X	X
	TAV-BH-MW6-480-S,SG	4-21-01	480	X	X	X	X	X	X	X
	TAV-BH-MW6-500-S,SG	4-21-01	500	X	X	X	X	X	X	X
	TAV-BH-MW6-420-TB	4-21-01	NA	–	X	–	–	–	–	–

[a] Analysis request/chain-of-custody record.

[b] Soil moisture from GEL by internal laboratory procedure GL-RAD-A-002.

[c] Soil moisture from ERCL by laboratory operating procedure LOP 97-11, Revision 0, Modified.

[d] Metals, VOC, and tritium soil samples, and soil moisture samples sent to GEL.

[e] Soil-vapor and soil moisture samples sent to ERCL.

[f] Incomplete or no analyses completed in interval due to inadequate or no soil or soil-vapor sample recovery.

[g] Gamma spectroscopy soil samples sent to RPSD Laboratory.

Table 3 (Concluded)
Soil and Soil-Vapor Sample Summary and Analytical Suites for Samples Collected from the TAV-MW6 Borehole, TA-V, 2001

bgs = Below ground surface.
BH = Borehole.
DU = Duplicate soil sample.
EB = Equipment blank.
EPA = U.S. Environmental Protection Agency.
ER = Environmental Restoration.
ERCL = ER Chemistry Laboratory.
ft = Foot (feet).
GEL = General Engineering Laboratory, Inc.
ID = Identification.
LOP = Laboratory operating procedure.
MW = Monitoring well.
NA = Not applicable.
QA/QC = Quality assurance/quality control.
RPSD = Radiation Protection Sample Diagnostics.
S = Soil sample.
SG = Soil gas (vapor) sample.
TA = Technical Area.
TAL = Target Analyte List.
TB = Trip blank.
VOC = Volatile organic compound.
wt. % = Weight percent.
X = Indicates that sample was collected from interval.
– = Indicates that no sample was collected from interval.

samples can be found in the October 2001 report (SNL/NM October 2001). The soil samples were analyzed for all COCs, including volatile organic compounds (VOCs), semivolatile organic compounds (SVOCs), RCRA metals, and radionuclides.

The SWMU 5 soil samples were analyzed for RCRA metals, VOCs, SVOCs, radionuclides, and tritium. The 1994 samples were analyzed by Enseco, TMA Eberline, and the Sandia National Laboratories Radiation Protection Sample Diagnostics (RPSD) Laboratory. The soil samples collected during the drilling in 2001 were analyzed at General Engineering Laboratories (GEL), the SNL/NM Environmental Restoration Chemistry Laboratory (ERCL), and the SNL/NM RPSD Laboratory. Table 4 summarizes the analytical methods and data quality requirements from the LWDS Work Plan (SNL/NM March 1993) and the FIP (SNL/NM February 2001).

Thirty QA/QC samples were collected during both sampling efforts. The QA/QC samples consisted of eight duplicates, nine trip blanks, and five equipment blanks (Table 5). For the 1994 sampling, one duplicate soil sample was collected in each borehole, and one trip blank and equipment blank were prepared at each borehole location. For the 2001 sampling, duplicate samples were collected for 10 percent of the total samples (or four samples), trip blanks were collected at one per VOC shipment, and equipment blanks were collected at one per borehole. No significant QA/QC problems were identified in any of the QA/QC samples.

The 1994 soil sample results were verified/validated by SNL/NM according to "Procedure for Validation of Chemical Measurement Data" SNL/NM Environmental Programs Department Procedure QA-11-01, Rev.0 (SNL/NM October 1991). The 2001 soil sample results were verified/validated by SNL/NM according to "Data Validation Procedure for Chemical and Radiochemical Data" SNL/NM Environmental Restoration Project Analytical Operating Procedure (AOP) 00-03, Rev. 0 (SNL/NM January 2000). The gamma spectroscopy data from the RPSD Laboratory were reviewed according to "Laboratory Data Review Guidelines," Procedure No: RPSD-02-11, Issue No: 02 (SNL/NM July 1996). Reviews confirmed that the analytical data from the analytical laboratories are defensible and therefore acceptable for use in the no further action proposal, fulfilling the DQO requirements.

III. Determination of Nature, Rate, and Extent of Contamination

III.1 Introduction

The determination of the nature, migration rate, and extent of contamination at SWMU 5 was based upon a conceptual model validated with confirmatory sampling at the site. The conceptual model was presented in the LWDS Work Plan and the Summary Report of Groundwater Investigations at Technical Area V, Operable Units 1306 and 1307 (SNL/NM March 1993). The conceptual model was developed from archival research, soil sampling, and soil-vapor sampling conducted during two drilling events. The DQOs contained in the LWDS Work Plan (SNL/NM March 1993) and the FIP (SNL/NM February 2001) identified the sample locations, sample depth, and analytical requirements. The quality of the data used to specifically determine the nature, migration rate, and extent of contamination are described below.

Table 4
Summary of Data Quality Requirements

Data Set	Analytical Requirement	Data Quality Level	General Engineering Laboratory	SLN/NM RPSD Laboratory	Enseco	TMA Eberline
1994	VOCs (EPA Method 8240)	Defensible	–	–	42	–
	SVOCs (EPA Method 8270)	Defensible	–	–	41	–
	TAL Metals (EPA Method 6010/7010/7421/7471/7740/7841)	Defensible	–	–	41	–
	Tritium (EPA Method 906.0)	Defensible	–	–	–	43
	Gamma (EPA Method 901.1)	Defensible	–	–	–	41
2001	TAL Metals (EPA Method 6010/7471)	Defensible	21	–	–	–
	VOCs (EPA Method 8260)	Defensible	21	–	–	–
	Tritium (EPA Method 906.0)	Defensible	19	–	–	–
	Gamma (EPA Method 901.1)	Defensible	21	21	–	–
Total Number of Samples	VOCs		63			
	SVOCs		41			
	Metals		62			
	Tritium		60			
	Gamma		83			

The number of samples does not include QA/QC samples such as duplicates, trip blanks, and equipment blanks.
EPA = U.S. Environmental Protection Agency.
QA/QC = Quality assurance/quality control.
RPSD = Radiation Protection Sample Diagnostics.
SNL/NM = Sandia National Laboratories/New Mexico.
SVOC = Semivolatile organic compounds.
TAL = Target Analyte List.
VOC = Volatile organic compound.
– = No samples analyzed.

Table 5
Summary of Quality Assurance/Quality Control Samples

Data Set	Sample Type	Number of Samples
1994	Duplicate	4
	Trip Blank	4
	Equipment Blank	4
2001	Duplicate	4
	Trip Blank	5
	Equipment Blank	1

III.2 Nature of Contamination

The nature of contamination at SWMU 5 was evaluated through laboratory analyses of the soil samples. The analytical requirements included analyses for VOCs, metals, and radionuclides. These analyses characterized the vertical and horizontal extent of contamination at the site. The analytes and methods listed in Tables 2 and 3 are appropriate for characterizing the COCs and potential degradation products at SWMU 5.

III.3 Rate of Contaminant Migration

SWMU 5 is an inactive site; therefore, all primary sources of COCs have been eliminated. As a result, only secondary sources of COCs potentially remain in the soil in the form of adsorbed COCs (VOCs, metals, and radionuclides). The rate of COC migration from soil is therefore predominantly dependent upon precipitation and occasional surface-water flow. Data available from the TAV Groundwater Investigation (SNL/NM November 2001); numerous SNL/NM monitoring programs for air, water, and radionuclides; and meteorological monitoring are adequate for characterizing the rate of COC migration at SWMU 5.

III.4 Extent of Contamination

Soil samples were collected from six boreholes in the vicinity of the LWDS drainfield in order to determine the vertical and horizontal extent of contamination. Soil samples were collected from the surface to a maximum depth of 70 feet during the drilling activities in 1994, and from 20 to 500 feet bgs in 2001. The four boreholes drilled and sampled in 1994 were located as closely as possible and adjacent to the collapsed drainfield. The soil column was sampled in the borehole for TAV-MW6. Therefore, these soil samples are considered to be representative of the soil directly adjacent to the drainfield potentially contaminated with the COCs and sufficient to determine the vertical extent, if any, of COCs.

In summary, the design of the confirmatory sampling was appropriate and adequate to determine the nature, migration rate, and extent of residual COCs in surface and subsurface soils at SWMU 5.

IV. Comparison of COCs to Background Screening Levels

Site history and characterization activities are used to identify potential COCs. Soil sampling was conducted at SWMU 5 in order to identify COCs and to determine the concentration levels of those COCs across the site. Generally, COCs evaluated in this risk assessment include all detected organics, and all radiological and inorganic COCs for which samples were analyzed. If the detection limit of an organic compound was too high (i.e., could possibly cause an adverse effect to human health or the environment), the compound was retained. Nondetect organics not included in this assessment were found to have detection limits low enough to ensure protection of human health and the environment. In order to provide conservatism in this risk assessment, the calculation used only the maximum concentration value of each COC found for the entire site. The SNL/NM maximum background concentration (Dinwiddie September 1997) was selected to provide the background screening levels listed in Tables 6 and 7. Human health nonradiological COCs also were compared to SNL/NM proposed Subpart S action levels if applicable (Table 6) (IT July 1994).

Nonradiological inorganics that are essential nutrients, such as iron, magnesium, calcium, potassium, and sodium, were not included in this risk assessment (EPA 1989). Both radiological and nonradiological COCs were evaluated. The nonradiological COCs included both organic and inorganic compounds.

Table 6 lists the nonradiological COCs for the risk assessment at SWMU 5; Table 7 lists the radiological COCs. All tables show the associated SNL/NM maximum background concentration values (Dinwiddie September 1997). The results presented in Tables 6 and 7 are discussed in Section VI.4.

V. Fate and Transport

The primary releases of COCs at SWMU 5 occurred in the subsurface soil as a result of discharges of effluent water from the SERF LWDS Holding Tanks in TA-V to the LWDS drainfield. Because of the depth of the COCs in the soil, wind, surface water, and biota are not considered to be potential mechanisms of COC transport from the primary release point. However, the percolation of water through the soil is a potential mechanism for COC migration, but because the drainfield is inactive, the infiltration of water from the surface is the only source of water percolation through the soil at this site.

Water at SWMU 5 is received as precipitation (rain and occasionally snow). Based upon the average rainfall measured at the nearby Albuquerque International Sunport, the site receives approximately 8.1 inches of precipitation per year. Because of the arid nature of the environment, evapotranspiration rates are high, with average losses of 95 to 99 percent of precipitation through this process. As a result of the low annual precipitation, high evapotranspiration rates, and depth to the COCs in the soil at this site, infiltration and percolation of surface water are not expected to be sufficient to significantly leach COCs from the soil and into groundwater (which is approximately 500 feet bgs). Volatile organic COCs (e.g., acetone, 2-butanone, and toluene), however, can migrate in the soil as vapors.

Table 6
Nonradiological COCs for Human Health Risk Assessment at SWMU 5 with Comparison to the Associated SNL/NM Background Screening Value, BCF, Log K_{ow}

COC Name	Maximum Concentration (mg/kg)	SNL/NM Background Concentration (mg/kg)[a]	Is Maximum COC Concentration Less Than or Equal to the Applicable SNL/NM Background Screening Value?	BCF (maximum aquatic)	Log K_{ow} (for organic COCs)	Bioaccumulator?[b] (BCF>40, log K_{ow}>4)
Antimony	15[h] (30 RL)	3.9	No	16,000[c]	NA	Yes
Arsenic	5.39	4.4	No	44[d]	NA	Yes
Barium	258	214	No	170[e]	NA	Yes
Beryllium	0.735	0.65	No	19[d]	NA	No
Cadmium	51.1	0.9	No	64[d]	NA	Yes
Chromium, total	42.4	15.9	No	16[d]	NA	No
Cobalt	9.87 J	5.2	No	10,000[g]	NA	Yes
Copper	24.2	18.2	No	6[d]	NA	No
Lead	14	11.8	No	49[d]	NA	Yes
Mercury	0.85	<0.1	No	5500[d]	NA	Yes
Nickel	16	11.5	No	47[d]	NA	Yes
Selenium	1.27	<1	No	800[c]	NA	Yes
Silver	3.7 J	<1	No	0.5[d]	NA	No
Thallium	3.89	<1.1	No	119[d]	NA	Yes
Vanadium	35.7	21.5	No	3,000[e]	NA	Yes
Zinc	67.3	62	No	47[d]	NA	Yes
Acetone	0.130	NA	NA	0.69[i]	-0.24[i]	No
Bis(2-ethylhexyl) phthalate	1.6	NA	NA	851[i]	7.6[i]	Yes
2-Butanone	0.0107	NA	NA	1[i]	0.29[i]	No
Di-n-butyl-phthalate	0.046 J	NA	NA	6.761[i]	4.61[i]	Yes
Methylene chloride	0.0096	NA	NA	5[i]	1.25[i]	No
4-methyl-2-pentanone	0.00218 J	NA	NA	5[i]	1.19[i]	No
Toluene	0.051	NA	NA	10.7[d]	2.69[d]	No
Trichloroethene	0.0038 J	NA	NA	10.6[d]	2.29[d]	No

Refer to footnotes at end of table.

Table 6 (Concluded)
Nonradiological COCs for Human Health Risk Assessment at SWMU 5 with Comparison to the Associated SNL/NM Background Screening Value, BCF, Log K_{ow}

Note: **Bold** indicates the COCs that exceed background screening values and/or are bioaccumulators.
[a] From Dinwiddie (September 1997) Southwest Super Group Soils.
[b] NMED (March 1998).
[c] Callahan et al. (1979).
[d] Yanicak (March 1997).
[e] Neumann (1976).
[f] Micromedex(1998)
[g] Vanderploeg et al. (1975).
[h] Parameter was nondetect. Concentration is approximately 0.5 of the laboratory reporting limit.
[i] Howard (1989)
[j] Howard (1990)

BCF = Bioconcentration factor.
COC = Constituent of concern.
J = Estimated value.
K_{ow} = Octanol-water partition coefficient.
Log = Logarithm (base 10).
mg/kg = Milligram(s) per kilogram.
NA = Not applicable.
NMED = New Mexico Environment Department.
RL = Reporting limit.
SNL/NM = Sandia National Laboratories/New Mexico.
SWMU = Solid Waste Management Unit.

Table 7
Radiological COCs for Human Health Risk Assessment at SWMU 5 with Comparison to the Associated SNL/NM Background Screening Value and BCF

COC Name	Maximum Concentration (pCi/g)	SNL/NM Background Concentration (pCi/g)[a]	Is Maximum COC Concentration Less Than or Equal to the Applicable SNL/NM Background Screening Value?	BCF (maximum aquatic)	Is COC a Bioaccumulator?[b] (BCF>40)
H-3	0.029[c]	0.021[c]	**No**	0	No
Th-232	1.1	1.01	**No**	3000[d]	No[e]
U-238	0.883	1.4	Yes	900[d]	**Yes**
U-235	0.256 (MDA)	0.16	**No**	900[d]	**Yes**
Co-60	0.15	NA	**No**	10,000[f]	**Yes**
Cs-137	0.14	0.079	**No**	3000[f]	**Yes**

Note: **Bold** indicates COCs that exceed background screening values and/or are bioaccumulators.
[a]From Dinwiddie (September 1997).
[b]NMED (March 1998).
[c]Converted from picocuries per liter (as reported from laboratory) to picocuries per gram, assuming 5 percent soil moisture.
[d]Baker and Soldat (1992).
[e]Yanicak (March 1997).
[f]BCF from Whicker and Schultz (1982).
BCF = Bioconcentration factor.
COC = Constituent of concern.
MDA = Minimum detectable activity.
NA = Not applicable.
NMED = New Mexico Environment Department.
pCi/g = Picocurie(s) per gram.
SNL/NM = Sandia National Laboratories/New Mexico.
SWMU = Solid Waste Management Unit.

The COCs at SWMU 5 include both inorganic and organic constituents. The inorganic constituents include both radiological and nonradiological analytes. The inorganic COCs are elemental in form and generally are not considered to be degradable. Radiological COCs, however, undergo decay to stable isotopes or radioactive daughter elements. Other transformations of inorganics may include changes in valence (oxidation/reduction reactions). Organic COCs may be degraded through hydrolysis and biotransformation. Hydrolysis includes chemical transformations in water, and may occur in the soil solution. Biotransformation (specifically, transformation by microorganisms) may occur; however, biological activity will be limited by the depth of the COCs in the soil.

Table 8 summarizes the fate and transport processes that may occur at SWMU 5. Because of the depth of the COCs in the soil, wind, surface water, and food chain uptake are not considered potential mechanisms of COC transport at this site. Further leaching of COCs into the soil is possible, but because of the low precipitation rates and high evapotranspiration rates of this area, the potential for this is expected to be low, and leaching into groundwater is not expected to occur. VOCs potentially can migrate as vapors. The possibility of significant loss of COCs by degradation and/or transformation is generally low.

Table 8
Summary of Fate and Transport at SWMU 5

Transport and Fate Mechanism	Existence at Site	Significance
Wind	No	None
Surface runoff	No	None
Migration to groundwater	Yes	Low
Food chain uptake	No	None
Transformation/degradation	Yes	Low

SWMU = Solid Waste Management Unit.

VI. Human Health Risk Screening Assessment

VI.1 Introduction

Human health risk screening assessment of this site includes a number of steps that culminate in a quantitative evaluation of the potential adverse human health effects caused by constituents located at the site. The steps to be discussed include the following:

Step 1.	Site data are described that provide information on the potential COCs, as well as the relevant physical characteristics and properties of the site.
Step 2.	Potential pathways are identified by which a representative population might be exposed to the COCs.
Step 3.	The potential intake of these COCs by the representative population is calculated using a tiered approach. The first component of the tiered approach includes two screening procedures. One screening procedure compares the maximum concentration of the COC to an SNL/NM maximum background screening value. COCs that are not eliminated during the first screening procedure are subjected to a second screening procedure that compares the maximum concentration of the COC to the SNL/NM proposed Subpart S action level.
Step 4.	Toxicological parameters are identified and referenced for COCs that were not eliminated during the screening steps.

Step 5.	Potential toxicity effects (specified as a hazard index [HI]) and estimated excess cancer risks are calculated for nonradiological COCs and background. For radiological COCs, the incremental total effective dose equivalent (TEDE) and incremental estimated cancer risk are calculated by subtracting applicable background concentrations directly from maximum on-site contaminant values. This background subtraction only occurs when a radiological COC occurs as contamination and exists as a natural background radionuclide.
Step 6.	These values are compared with guidelines established by the U.S. Environmental Protection Agency (EPA), the New Mexico Environment Department (NMED), and the U.S. Department of Energy (DOE) to determine whether further evaluation and potential site cleanup are required. Nonradiological COC risk values are also compared to background risk so that an incremental risk can be calculated.
Step 7.	Uncertainties regarding the contents of the previous steps are addressed.

VI.2 Step 1. Site Data

Section I of this risk assessment provides the site description and history for SWMU 5. Section II presents the argument that the DQOs were satisfied. Section III describes the determination of the nature, rate, and extent of contamination.

VI.3 Step 2. Pathway Identification

SWMU 5 has been designated with a future land use scenario of industrial (DOE et al. September 1995) (see Appendix 1 for default exposure pathways and parameters). Because of the location and the characteristics of the potential contaminants, the primary pathway for human exposure is considered to be soil ingestion for the nonradiological COCs and direct gamma exposure for the radiological COCs. The inhalation pathway for both nonradiological and radiological COCs is included because the potential exists to inhale dust and volatiles. Soil ingestion is included for the radiological COCs as well. These pathways are being considered for the purpose of demonstrating the human health risk potential; considering them provides a conservative estimate of risk. The location of the drain field (prior to collapse) was approximately 30 feet bgs. Any potential COCs remaining in the soil would be at this depth or greater. SNL/NM does not foresee the need for an excavation to this depth at this location nor the potential for a worker in an industrial scenario or a person in a residential scenario to be exposed to soil from this depth.

There are currently no water pathways to the groundwater occurring and therefore, water pathways are not considered. Depth to groundwater at SWMU 5 is approximately 500 feet bgs. Because of the lack of surface water or other significant mechanisms for dermal contact, the dermal exposure pathway is not considered appropriate for the industrial land use scenario. However, plant uptake is considered for the residential land use scenario.

There is currently a groundwater-monitoring program within the area of SWMU 5 and TA-V. This program is monitoring groundwater contamination that exists in the area that was suspected to have originated from the discharge water released into the drainfield of SWMU 5. The confirmatory soil sampling that occurred as part of the drilling program (SNL/NM October 2001) confirmed the absence of soil moisture and significant residual contamination in the vadose zone beneath SWMU 5.

Pathway Identification

Nonradiological Constituents	Radiological Constituents
Soil ingestion	Soil ingestion
Inhalation (dust and volatiles)	Inhalation (dust and volatiles)
Plant uptake (residential only)	Plant uptake (residential only)
	Direct gamma

VI.4 Step 3. COC Screening Procedures

This section discusses Step 3, which includes the two screening procedures. The first screening procedure compared the maximum concentration of each COC to the background screening level. The second screening procedure compared maximum COC concentrations to SNL/NM proposed Subpart S action levels, and was applied only to COCs that were not eliminated during the first screening procedure.

VI.4.1 Background Screening Procedure

VI.4.1.1 Methodology

Maximum concentrations of nonradiological COCs were compared to the approved SNL/NM maximum screening levels for this area. The SNL/NM maximum background concentration was selected to provide the background screen in Table 6 and was used to calculate risk attributable to background in Table 12 (Section VI.6.2). Only the COCs that either were detected above their respective SNL/NM maximum background screening levels or had neither a quantifiable nor a calculated background screening level were considered in further risk assessment analyses.

For radiological COCs that exceeded the SNL/NM background screening levels, background values were subtracted from the individual maximum radionuclide concentrations. Those that did not exceed these background levels were not carried any further in the risk assessment. This approach is consistent with DOE Order 5400.5, "Radiation Protection of the Public and the Environment" (DOE 1993). Radiological COCs that did not have a background value and were detected above the analytical minimum detectable activity were carried through the risk assessment at their maximum levels. The resultant radiological COCs remaining after this step are referred to as background-adjusted radiological COCs.

VI.4.1.2 Results

Tables 6 and 7 present maximum COC concentrations at SWMU 5 that were compared to the SNL/NM maximum background values (Dinwiddie September 1997) for the human health risk assessment. For the nonradiological COCs, 16 constituents were measured at concentrations greater than their respective background values. Eight COCs were organic compounds that did not have corresponding calculated background concentrations.

The maximum concentration value for lead is 14 milligrams (mg) per kilogram (kg). The EPA intentionally does not provide any human health toxicological data on lead; therefore, no risk parameter values could be calculated. However, the NMED guidance for lead screening concentrations for construction and industrial land use scenarios are 750 and 1500 mg/kg, respectively (Olson and Moats March 2000). The EPA screening guidance value for a residential land use scenario is 400 mg/kg (Laws July 1994). The maximum concentration value for lead at this site is less than all the screening values; therefore, lead is eliminated from further consideration in the human health risk assessment.

For the radiological COCs, five constituents each had a maximum activity concentration (or minimum detectable activity) slightly greater than its respective background concentrations (H-3, Co-60, Cs-137, U-235 and Th-232). These reported maximum activity levels were used in the risk assessment.

VI.4.2 Subpart S Screening Procedure

VI.4.2.1 Methodology

The maximum concentrations of nonradiological COCs not eliminated during the background screening process were compared with action levels (IT July 1994) calculated using methods and equations promulgated in the proposed RCRA Subpart S (EPA 1990) and Risk Assessment Guidance for Superfund (RAGS) (EPA 1989) documentation. Accordingly, all calculations were based upon the assumption that receptor doses from both toxic and potentially carcinogenic compounds result most significantly from ingestion of contaminated soil. If there were ten or fewer COCs, and each had a maximum concentration of less than 1/10 the action level, then the site was judged to pose no significant health hazard to humans. If there were more than ten COCs, then the Subpart S screening procedure was not performed.

VI.4.2.2 Results

Table 6 indicated that more than ten COCs exceeded the background screening values. Therefore, the Subpart S screening procedure was not performed. Thus, all constituents that failed the background screening procedure were carried forward in the risk assessment process, and an individual hazard quotient (HQ), cumulative HI, and an excess cancer risk value were calculated for each COC.

Radiological COCs have no predetermined action levels analogous to proposed Subpart S levels; therefore, this step in the screening process was not performed for radiological COCs.

VI.5 Step 4. Identification of Toxicological Parameters

Tables 9 (nonradiological) and 10 (radiological) list the COCs retained in the risk assessment and the values for the available toxicological information. The toxicological values used for nonradiological COCs in Table 9 were taken from the Integrated Risk Information System (IRIS) (EPA 1998a), the Health Effects Assessment Summary Tables (HEAST) (EPA 1997a), the Region 9 (EPA 1996), and the Region 3 (EPA 1997b) electronic databases. Dose conversion

Table 9
Toxicological Parameter Values for SWMU 5 Nonradiological COCs

COC Name	RfD_O (mg/kg-d)	Confidence[a]	RfD_{Inh} (mg/kg-d)	Confidence[a]	SF_O $(mg/kg\text{-}day)^{-1}$	SF_{Inh} $(mg/kg\text{-}day)^{-1}$	Cancer Class[b]
Antimony	4E-4[c]	L	–	–	–	–	–
Arsenic	3E-4[c]	M	–	–	1.5E+0[c]	1.5E+1[c]	A
Barium	7E-2[c]	M	1.4E-4[d]	–	–	–	–
Beryllium	2E-3[c]	L to M	5.7E-6[c]	M	–	8.4E+0[c]	B1
Cadmium	5E-4[c]	H	5.7E-5[d]	–	–	6.3E+0[c]	B1
Chromium, total	1E+0[c]	L	5.7E-7[f]	–	–	–	–
Chromium VI	5E-3[c]	L	–	–	–	4.2E+1[c]	A
Cobalt	6E-2[d]	–	2.9E-4[d]	–	–	–	–
Copper	3.7E-2[d]	–	–	–	–	–	D
Mercury	3E-4[e]	–	8.6E-5[c]	M	–	–	D
Nickel	2E-2[c]	M	–	–	–	–	–
Selenium	5E-3[c]	H	–	–	–	–	D
Silver	5E-3[c]	L	–	–	–	–	D
Thallium[g]	8E-5[c]	L	–	–	–	–	D
Vanadium	7E-3[e]	–	–	–	–	–	–
Zinc	3E-1[c]	M	–	–	–	–	D
Acetone	1E-1[c]	L	1E-1[d]	–	–	–	D
Bis (2-ethylhexyl) phthalate	2E-2[d]	–	2.2E-2[d]	–	1.4E-2[d]	1.4E-2[d]	–
2-Butanone	6E-1[c]	L	2.9E-1[c]	L	–	–	D
Di-n-butyl-phthalate	1E-1[c]	L	1E-1[d]	–	–	–	D
Methylene chloride	6E-2[c]	M	8.6E-1[e]	–	7.5E-3[c]	1.7E-3[c]	B2
4-Methyl-2-pentanone	8E-2[e]	–	2.3E-2[d]	–	–	–	–
Toluene	2E-1[c]	M	1.1E-1[c]	M	–	–	D
Trichloroethene	6E-3[d]	–	6E-3[d]	–	1.1E-2[d]	6E-3[d]	–

[a]Confidence associated with IRIS (EPA 1998a) database values. Confidence: L = low, M = medium, H = high.

[b]EPA weight-of-evidence classification system for carcinogenicity (EPA 1989) taken from IRIS (EPA 1998a) with the exception of chloromethane which was taken from HEAST (EPA 1997a):

- A = Human carcinogen.
- B1 = Probable human carcinogen. Limited human data available.
- B2 = Probable human carcinogen. Sufficient evidence in animals and inadequate or no evidence in humans.
- D = Not classifiable as to human carcinogenicity.

[c]Toxicological parameter values from IRIS electronic database (EPA 1998a).

[d]Toxicological parameter values from EPA Region 9 electronic database (EPA 1996).

[e]Toxicological parameter values from HEAST database (EPA 1997a).

Table 9 (Concluded)
Toxicological Parameter Values for SWMU 5 Nonradiological COCs

[f]Toxicological parameter values from EPA Region 3 electronic database (EPA 1997b).
[g]Thallium does not have toxicological parameter values. Thallium carbonate used as surrogate.

COC	= Constituent of concern.
EPA	= U.S. Environmental Protection Agency.
HEAST	= Health Effects Assessment Summary Tables.
IRIS	= Integrated Risk Information System.
mg/kg-d	= Milligram(s) per kilogram per day.
$(mg/kg\text{-}day)^{-1}$	= Per milligram per kilogram per day.
RfD_{inh}	= Inhalation chronic reference dose.
RfD_o	= Oral chronic reference dose.
SF_{inh}	= Inhalation slope factor.
SF_o	= Oral slope factor.
SWMU	= Solid Waste Management Unit.
--	= Information not available.

Table 10
Radiological Toxicological Parameter Values for
SWMU 5 COCs Obtained from RESRAD Risk Coefficients[a]

COC Name	SF_o (1/pCi)	SF_{inh} (1/pCi)	SF_{ev} (g/pCi-yr)	Cancer Class[b]
H-3	7.20E-14	9.60E-14	0	A
Co-60	1.9E-11	6.9E-11	9.8E-06	A
Cs-137	3.2E-11	1.9E-11	2.1E-06	A
Th-232	3.80E-11	1.90E-08	3.30E-11	A
U-235	4.70E-11	1.30E-08	2.70E-07	A

[a]From Yu et al. (1993a).
[b]EPA weight-of-evidence classification system for carcinogenicity (EPA 1989): A = Human carcinogen for high dose and high dose rate (i.e., greater than 50 rem per year). For low-level environmental exposures, the carcinogenic effect has not been observed and documented.
1/pCi = One per picocurie.
COC = Constituent of concern.
EPA = U.S. Environmental Protection Agency.
g/pCi-yr = Gram(s) per picocurie per year.
SF_{ev} = External volume exposure slope factor.
SF_{inh} = Inhalation slope factor.
SF_o = Oral (ingestion) slope factor.
SWMU = Solid Waste Management Unit.

factors (DCF) used in determining the excess TEDE values for radiological COCs for the individual pathways were the default values provided in the RESRAD computer code (Yu et al. 1993a) as developed in the following documents:

- DCFs for ingestion and inhalation are taken from "Federal Guidance Report No. 11, Limiting Values of Radionuclide Intake and Air Concentration and Dose Conversion Factors for Inhalation, Submersion, and Ingestion" (EPA 1988).

- DCFs for surface contamination (contamination on the surface of the site) were taken from DOE/EH-0070, "External Dose-Rate Conversion Factors for Calculation of Dose to the Public" (DOE 1988).

- DCFs for volume contamination (exposure to contamination deeper than the immediate surface of the site) were calculated using the methods discussed in "Dose-Rate Conversion Factors for External Exposure to Photon Emitters in Soil" (Kocher 1983) and in ANL/EAIS-8, *Data Collection Handbook to Support Modeling the Impacts of Radioactive Material in Soil* (Yu et al. 1993b).

VI.6 Step 5. Exposure Assessment and Risk Characterization

Section VI.6.1 describes the exposure assessment for this risk screening assessment. Section VI.6.2 provides the risk characterization, including the HI and the excess cancer risk for both the potential nonradiological COCs and associated background for industrial and residential land uses. The incremental TEDE and incremental estimated cancer risk are

provided for the background-adjusted radiological COCs for both industrial and residential land uses.

VI.6.1 Exposure Assessment

Appendix 1 includes the equations and parameter input values used in calculating both intake values and subsequent HI and excess cancer risk values for the individual exposure pathways. The appendix shows parameters for both industrial and residential land use scenarios. The equations for nonradiological COCs are based upon the RAGS (EPA 1989). Parameters are based upon information from the RAGS (EPA 1989) as well as other EPA guidance documents, and reflect the reasonable maximum exposure (RME) approach advocated by the RAGS (EPA 1989). For radiological COCs, the coded equations provided in RESRAD computer code are used to estimate the incremental TEDE and cancer risk for individual exposure pathways. Further discussion of this process is provided in the *Manual for Implementing Residual Radioactive Material Guidelines Using RESRAD* (Yu et al. 1993a).

Although the designated land use scenario is industrial for this site, risk and TEDE values for a residential land use scenario also are presented to provide perspective of potential risk to human health under the more restrictive land use scenario.

VI.6.2 Risk Characterization

Table 11 shows an HI of 0.2 for the SWMU 5 nonradiological COCs and an estimated excess cancer risk of 3E-6 for the designated industrial land use scenario. The numbers presented include exposure from soil ingestion, as well as dust and volatile inhalation for nonradiological COCs. Table 12 shows an HI of 0.02 and an estimated excess cancer risk of 2E-6, assuming the maximum background concentrations of the SWMU 5 associated background constituents, for the designated industrial land use scenario.

For the radiological COCs, contribution from the direct gamma exposure pathway is included. For the industrial land use scenario, an incremental TEDE of 6.0E-7 millirem per year (mrem/yr) was calculated. In accordance with EPA guidance found in Office of Solid Waste and Emergency Response Directive No. 9200.4-18 (EPA 1997c), an incremental TEDE of 15 mrem/yr was used for the probable land use scenario (industrial in this case); the calculated dose value for SWMU 5 for the industrial land use was well below this guideline. The estimated excess cancer risk was 1.1E-11.

For the residential land use scenario nonradioactive COCs, the HI was 45 and the excess cancer risk was 6E-5 (Table 11). The numbers in the table include exposure from soil ingestion, dust and volatile inhalation, and plant uptake. Although the EPA (1991) generally recommends that inhalation not be included in a residential land use scenario, this pathway was included because of the potential for soil in Albuquerque, New Mexico, to be eroded and, subsequently, for dust to be present in predominantly residential areas. Because of the nature of the local soil, other exposure pathways were not considered (see Appendix 1). Table 12 shows that for the SWMU 5 associated background constituents, the HI is 1 and the calculated excess cancer risk is 5E-5.

Table 11
Risk Assessment Values for SWMU 5 Nonradiological COCs

COC Name	Maximum Concentration (mg/kg)	Industrial Land Use Scenario[a]		Residential Land Use Scenario[a]	
		Hazard Index	Cancer Risk	Hazard Index	Cancer Risk
Antimony	15[b]	0.04	–	0.69	–
Arsenic	5.39	0.02	3E-6	0.31	6E-5
Barium	258	0.00	–	0.04	–
Beryllium	0.735	0.00	3E-10	0.00	6E-10
Cadmium	51.1	0.10	2E-8	41.77	3E-8
Chromium, total[c]	42.4	0.01	9E-8	0.03	2E-7
Cobalt	9.87 J	0.00	–	0.00	–
Copper	24.2	0.00	–	0.12	–
Mercury	0.85	0.00	–	1.46	–
Nickel	16	0.00	–	0.02	–
Selenium	1.27	0.00	–	0.45	–
Silver	3.7 J	0.00	–	0.15	–
Thallium	3.89	0.05	–	0.18	–
Vanadium	35.7	0.00	–	0.03	–
Zinc	67.3	0.00	–	0.12	–
Acetone	0.130	0.00	–	0.02	–
Bis(2-ethylhexyl) phthalate	1.6	0.00	8E-9	0.00	6E-8
2-Butanone	0.0107	0.00	–	0.00	–
Di-n-butyl-phthalate	0.046 J	0.00	–	0.00	–
Methylene chloride	0.0096	0.00	6E-10	0.00	7E-8
4-Methyl-2-pentanone	0.00218 J	0.00	–	0.00	–
Toluene	0.051	0.00	–	0.00	–
Trichloroethene	0.0038 J	0.00	4E-10	0.00	1E-8
Total		**0.2**	**3E-6**	**45**	**6E-5**

[a]From EPA (1989).
[b]Parameter was nondetect. Concentration assumed to be approximately 0.5 of laboratory reporting limit.
[c]Chromium, total is considered to be chromium VI for risk calculation (most conservative).
COC = Constituent of concern.
EPA = U.S. Environmental Protection Agency.
J = Estimated value.
mg/kg = Milligram(s) per kilogram.
SWMU = Solid Waste Management Unit.
– = Information not available.

Table 12
Risk Assessment Values for SWMU 5 Nonradiological Background Constituents

COC Name	Background Concentration[a] (mg/kg)	Industrial Land Use Scenario[b]		Residential Land Use Scenario[b]	
		Hazard Index	Cancer Risk	Hazard Index	Cancer Risk
Antimony	3.9	0.01	–	0.18	–
Arsenic	4.4	0.01	2E-6	0.25	5E-5
Barium	214	0.00	–	0.03	–
Beryllium	0.65	0.00	3E-10	0.00	5E-10
Cadmium	0.9	0.00	3E-10	0.74	5E-10
Chromium, total[c]	15.9	0.00	–	0.01	–
Cobalt	5.2	0.00	–	0.00	–
Copper	18.2	0.00	–	0.09	–
Mercury	<0.1	–	–	–	–
Nickel	11.5	0.00	–	0.02	–
Selenium	<1	–	–	–	–
Silver	<1	–	–	–	–
Thallium	<1.1	–	–	–	–
Vanadium	21.5	0.00	–	0.02	–
Zinc	62	0.00	–	0.11	–
Total		**0.02**	**2E-6**	**1**	**5E-5**

[a]From Dinwiddie (September 1997), Southwest Super Group Soils.
[b]From EPA (1989).
[c]Chromium, total is used for background risk calculation (most conservative).
COC = Constituent of concern.
EPA = U.S. Environmental Protection Agency.
mg/kg = Milligram(s) per kilogram.
SWMU = Solid Waste Management Unit.
– = Information not available.

For the radiological COCs, the incremental TEDE for the residential land use scenario was 5.5E-6 mrem/yr. The guideline being used was an excess TEDE of 75 mrem/yr (SNL/NM February 1998) for a complete loss of institutional controls (residential land use in this case). The calculated dose value for SWMU 5 for the residential land use scenario was well below this guideline. Consequently, SWMU 5 is eligible for unrestricted radiological release because the residential land use scenario resulted in an incremental TEDE of less than 75 mrem/yr to the on-site receptor. The estimated excess cancer risk was 1.2E-10. The excess cancer risk from the nonradiological COCs and the radiological COCs is not additive, as noted in the RAGS (EPA 1989).

VI.7 Step 6. Comparison of Risk Values to Numerical Guidelines

The human health risk assessment analysis evaluated the potential for adverse health effects for both the industrial land use scenario (the designated land use scenario for this site) and the residential land use scenario.

For the industrial land use scenario nonradiological COCs, the HI was 0.2 (less than the numerical guideline of 1 suggested in the RAGS [EPA 1989]). Excess cancer risk was estimated at 3E-6. NMED Guidance states that cumulative excess lifetime cancer risk must be less than 1E-5 (Bearzi January 2001); thus, the excess cancer risk for this site is below the suggested acceptable risk value. This assessment also determined risks considering background concentrations of the potential nonradiological COCs for both the industrial and residential land use scenarios. Assuming the industrial land use scenario, for nonradiological COCs the HI was 0.02 and the calculated excess cancer risk was 2E-6. Incremental risk is determined by subtracting risk associated with background from potential COC risk. These numbers were not rounded before the difference was determined and, therefore, may appear to be inconsistent with numbers presented in tables and within the text. For conservatism, the background constituents that do not have quantified background concentrations are assumed to have an HQ of 0.00. Incremental HI was 0.20 and estimated incremental cancer risk was 1.12E-6 for the industrial land use scenario. Both the incremental HI and excess cancer risk to human health from nonradiological COCs were below proposed guidelines considering an industrial land use scenario.

For the industrial land use scenario radiological COCs, incremental TEDE was 6.0E-7 mrem/yr, which is significantly less than EPA's numerical guideline of 15 mrem/yr. Incremental estimated excess cancer risk was 1.1E-11.

The calculated HI for the residential land use scenario nonradiological COCs was 45, which is above the numerical guidance. Excess cancer risk was estimated at 6E-5. NMED Guidance states that cumulative excess lifetime cancer risk must be less than 1E-5 (Bearzi January 2001); thus, the excess cancer risk for this site is above the suggested acceptable risk value. The HI for associated background for the residential land use scenario was 1; the estimated excess cancer risk was 5E-5. The incremental HI was 43.94 and the estimated incremental cancer risk was 1.04E-5 for the residential land use scenario. Both the incremental HI and excess cancer risk to human health from nonradiological COCs were above proposed guidelines considering a residential land use scenario.

The incremental TEDE for a residential land use scenario from the radiological components was 5.5E-6 mrem/yr, which is significantly less than the numerical guideline of 75 mrem/yr

suggested in the SNL/NM RESRAD Input Parameter Assumptions and Justification (SNL/NM February 1998). The estimated excess cancer risk was 1.2E-10.

VI.8 Step 7. Uncertainty Discussion

The determination of the nature, rate, and extent of contamination at SWMU 5 was based upon an initial conceptual model that was validated with confirmatory sampling conducted across the site during the two drilling events. The confirmatory sampling was implemented in accordance with the LWDS RFI Work Plan (SNL/NM March 1993) and the Field Implementation Plan (FIP) Technical Area V TAV-MW6, -MW7, -MW8, and -MW9 Monitor Well Installations (SNL/NM February 2001). The DQOs contained in the Work Plan and the FIP are appropriate for use in risk screening assessments. The data collected, based upon sample location, density, and depth, are representative of the site. The analytical requirements and results satisfy the DQOs. Data quality was verified/validated in accordance with SNL/NM procedures (January 2000, October 1991). Therefore, there is no uncertainty associated with the data quality used to perform the risk screening assessment at SWMU 5.

Because of the location, history of the site, and future land use (DOE et al. September 1995), there is low uncertainty in both the land use scenario and the potentially affected populations that were considered in performing the risk assessment analysis. Because of the location and physical characteristics of the site, there is little uncertainty in the exposure pathways relevant to this analysis.

An RME approach was used to calculate the risk assessment values. This means that the parameter values in the calculations were conservative and that calculated intakes were probably overestimates. Maximum measured values of COC concentrations were used to provide conservative results.

Table 9 shows the uncertainties (confidence level) in nonradiological toxicological parameter values. There is a mixture of estimated values and values from the IRIS (EPA 1998a), the HEAST (EPA 1997a), the EPA Region 9 (EPA 1996), and Region 3 (1997b) electronic databases. Where values are not provided, information is not available from these sources. Because of the conservative nature of the RME approach, uncertainties in toxicological values are not expected to change the conclusion from the risk assessment analysis.

Both the human health HI and excess cancer risk for the nonradiological COCs were acceptable, compared to established numerical guidance, considering the industrial land use scenario.

For radiological COCs, the conclusion of the risk assessment was that potential effects on human health for both industrial and residential land use scenarios were both within guidelines and were a small fraction of the estimated 360 mrem/yr received by the average U.S. population (NCRP 1987).

The overall uncertainty in all of the steps in the risk assessment process is considered to be insignificant with respect to the conclusion reached.

VI.9 Summary

SWMU 5 identified COCs consisting of some inorganic, organic and radiological compounds. Because of the location of the site, the designated industrial land use scenario, and the nature of contamination, potential exposure pathways identified for this site included soil ingestion as well as dust and volatile inhalation for chemical constituents, and soil ingestion, dust inhalation, and direct gamma exposure for radionuclides. Plant uptake was included as an exposure pathway for the residential land use scenario.

Using conservative assumptions and an RME approach to risk assessment, calculations for nonradiological COCs show that for the industrial land use scenario the HI (0.2) was significantly less than the accepted numerical guidance from the EPA. Excess cancer risk (3E-6) was also below the acceptable risk value provided by the NMED for an industrial land use scenario (Bearzi January 2001). The incremental HI was 0.20, and the incremental cancer risk was 1.12E-6 for the industrial land use scenario.

Incremental TEDE and corresponding estimated cancer risk from radiological COCs were much less than EPA guidance values; the estimated TEDE was 6.0E-7 mrem/yr for the industrial land use scenario. This value was significantly lower than the numerical value of 15 mrem/yr in the EPA guidance (EPA 1997c). The corresponding incremental estimated cancer risk value was 1.1E-11 for the industrial land use scenario. Furthermore, the incremental TEDE for the residential land use scenario that results from a complete loss of institutional control was only 5.5E-6 mrem/yr with an associated risk of 1.2E-10. The guideline for this scenario is 75 mrem/yr (SNL/NM February 1998). Therefore, SWMU 5 is eligible for unrestricted radiological release.

Uncertainties associated with the calculations are considered to be small relative to the conservativeness of this risk assessment analysis. Therefore, it is concluded that this site poses insignificant risk to human health under the industrial land use scenario.

VII. Ecological Risk Screening Assessment

VII.1 Introduction

This section addresses the ecological risks associated with exposure to constituents of potential ecological concern (COPECs) in soils at SWMU 5. A component of the NMED Risk-Based Decision Tree is to conduct an ecological screening assessment that corresponds with that presented in EPA's Ecological Risk Assessment Guidance for Superfund (EPA 1997d) and other EPA guidance (EPA 1998b). The current methodology is tiered, beginning with an initial scoping assessment. If the results of the scoping assessment find that complete ecological pathways exist at the site, the scoping assessment is followed by a more detailed and quantitative screening assessment. Initial components of NMED's decision tree (a discussion of DQOs, data assessment, and evaluations of bioaccumulation and fate-and-transport potential) are addressed in previous sections of this report.

VII.2 Scoping Assessment

The scoping assessment focuses primarily on the likelihood of exposure of biota at or adjacent to the site to be exposed to constituents associated with site activities. Included in this section are both an evaluation of existing data and the fate and transport potentials for COCs. A scoping risk-management decision (Section VII.2.3) involves summarizing the scoping results and determining whether further examination of potential ecological impacts is necessary.

VII.2.1 Data Assessment

As discussed in Sections I through IV, no COCs at SWMU 5 occur in the soil within the 0- to 5-foot depth interval nor in other media with which ecological receptors may come into contact. Therefore, no complete ecological pathways exist for the COCs at this site.

VII.2.2 Fate and Transport Potential

The potential for the COCs to migrate from the source of contamination to other media or biota is discussed in Section V. Because of the depth at which the COCs occur, wind, surface water, and food chain uptake are not considered to be potential transport mechanisms for COCs at this site. The COCs are not expected to migrate to any media that will result in a complete ecological pathway.

VII.2.3 Scoping Risk-Management Decision

Based upon information gathered through the scoping assessment, it was concluded that because of the depth of the COCs at this site (greater than 5 feet bgs), complete ecological pathways do not exist at this SWMU, and consequently, no risk to ecological receptors exists at this site. A screening assessment is not deemed necessary to further evaluate potential ecological risk for SWMU 5.

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APPENDIX 1
EXPOSURE PATHWAY DISCUSSION FOR CHEMICAL AND RADIONUCLIDE CONTAMINATION

Introduction

Sandia National Laboratories/New Mexico (SNL/NM) proposes that a default set of exposure routes and associated default parameter values be developed for each future land use designation being considered for SNL/NM Environmental Restoration (ER) project sites. This default set of exposure scenarios and parameter values would be invoked for risk assessments unless site-specific information suggested other parameter values. Because many SNL/NM solid waste management units (SWMU) have similar types of contamination and physical settings, SNL/NM believes that the risk assessment analyses at these sites can be similar. A default set of exposure scenarios and parameter values will facilitate the risk assessments and subsequent review.

The default exposure routes and parameter values suggested are those that SNL/NM views as resulting in a Reasonable Maximum Exposure (RME) value. Subject to comments and recommendations by the U.S. Environmental Protection Agency (EPA) Region VI and New Mexico Environment Department (NMED), SNL/NM proposes that these default exposure routes and parameter values be used in future risk assessments.

At SNL/NM, all SWMUs exist within the boundaries of the Kirtland Air Force Base (KAFB). Approximately 157 potential waste and release sites have been identified where hazardous, radiological, or mixed materials may have been released to the environment. Evaluation and characterization activities have occurred at all of these sites to varying degrees. Among other documents, the SNL/NM ER draft Environmental Assessment (DOE 1996) presents a summary of the hydrogeology of the sites, the biological resources present and proposed land use scenarios for the SNL/NM SWMUs. At this time, all SNL/NM SWMUs have been tentatively designated for either industrial or recreational future land use. The NMED has also requested that risk calculations be performed based upon a residential land-use scenario. All three land use scenarios will be addressed in this document.

The SNL/NM ER project has screened the potential exposure routes and identified default parameter values to be used for calculating potential intake and subsequent Hazard index (HI), excess cancer risk and dose values. The EPA (EPA 1989a) provides a summary of exposure routes that could potentially be of significance at a specific waste site. These potential exposure routes consist of:

- Ingestion of contaminated drinking water
- Ingestion of contaminated soil
- Ingestion of contaminated fish and shellfish
- Ingestion of contaminated fruits and vegetables
- Ingestion of contaminated meat, eggs, and dairy products

- Ingestion of contaminated surface water while swimming
- Dermal contact with chemicals in water
- Dermal contact with chemicals in soil
- Inhalation of airborne compounds (vapor phase or particulate)
- External exposure to penetrating radiation (immersion in contaminated air, immersion in contaminated water, and exposure from ground surfaces with photon-emitting radionuclides).

Based upon the location of the SNL/NM SWMUs and the characteristics of the surface and subsurface at the sites, we have evaluated these potential exposure routes for different land use scenarios to determine which should be considered in risk assessment analyses (the last exposure route is pertinent to radionuclides only). At SNL/NM SWMUs, currently no consumption of fish, shellfish, fruits, vegetables, meat, eggs, or dairy occurs for products that originate on site. Additionally, no potential for swimming in surface water is present due to the high-desert environmental conditions. As documented in the RESRAD computer code manual (ANL 1993), risks resulting from immersion in contaminated air or water are not significant compared to risks from other radiation exposure routes.

For the industrial and recreational land use scenarios, SNL/NM ER has, therefore, excluded the following four potential exposure routes from further risk assessment evaluations at any SNL/NM SWMU:

- Ingestion of contaminated fish and shellfish
- Ingestion of contaminated fruits and vegetables
- Ingestion of contaminated meat, eggs, and dairy products
- Ingestion of contaminated surface water while swimming.

That part of the exposure pathway for radionuclides related to immersion in contaminated air or water also is eliminated.

For the residential land use scenario, we will include ingestion of contaminated fruits and vegetables because of the potential for residential gardening.

Based upon this evaluation, for future risk assessments the exposure routes that will be considered are shown in Table 1. Dermal contact is included as a potential exposure pathway in all land use scenarios. However, the potential for dermal exposure to inorganic compounds is not considered significant and will not be included. In general, the dermal exposure pathway is generally not considered to be significant relative to water ingestion and soil ingestion pathways, but will be considered for organic components. Because of the lack of toxicological parameter values for this pathway, the inclusion of this exposure pathway into risk assessment calculations may not be possible and may be part of the uncertainty analysis for a site where dermal contact is potentially applicable.

Table 1
Exposure Pathways Considered for Various Land Use Scenarios

Industrial	Recreational	Residential
Ingestion of contaminated drinking water	Ingestion of contaminated drinking water	Ingestion of contaminated drinking water
Ingestion of contaminated soil	Ingestion of contaminated soil	Ingestion of contaminated soil
Inhalation of airborne compounds (vapor phase or particulate)	Inhalation of airborne compounds (vapor phase or particulate)	Inhalation of airborne compounds (vapor phase or particulate)
Dermal contact	Dermal contact	Dermal contact
External exposure to penetrating radiation from ground surfaces	External exposure to penetrating radiation from ground surfaces	Ingestion of fruits and vegetables
		External exposure to penetrating radiation from ground surfaces

Equations and Default Parameter Values for Identified Exposure Routes

In general, SNL/NM expects that ingestion of compounds in drinking water and soil will be the more significant exposure routes for chemicals; external exposure to radiation also may be significant for radionuclides. All of the above routes will, however, be considered for their appropriate land use scenarios. The general equations for calculating potential intakes via these routes are shown below. The equations are from the Risk Assessment Guidance for Superfund (RAGS): Volume 1 (EPA 1989a, 1991). These general equations also apply to calculating potential intakes for radionuclides. A more in-depth discussion of the equations used in performing radiological pathway analyses with the RESRAD code may be found in the RESRAD Manual (ANL 1993). Also shown are the default values SNL/NM ER suggests for use in RME risk assessment calculations for industrial, recreational, and residential scenarios, based upon EPA and other governmental agency guidance. The pathways and values for chemical contaminants are discussed first, followed by those for radionuclide contaminants. RESRAD input parameters that are left as the default values provided with the code are not discussed. Further information relating to these parameters may be found in the RESRAD Manual (ANL 1993).

Generic Equation for Calculation of Risk Parameter Values

The equation used to calculate the risk parameter values (i.e., hazard quotients/hazard index [HI], excess cancer risk, or radiation total effective dose equivalent [dose]) is similar for all exposure pathways and is given by:

Risk (or Dose) = Intake x Toxicity Effect (either carcinogenic, noncarcinogenic, or radiological)

$$= C \times (CR \times EFD/BW/AT) \times \text{Toxicity Effect} \quad (1)$$

where

C = contaminant concentration (site specific)
CR = contact rate for the exposure pathway
EFD= exposure frequency and duration
BW = body weight of average exposure individual
AT = time over which exposure is averaged.

The total risk/dose (either cancer risk or HI) is the sum of the risks/doses for all of the site-specific exposure pathways and contaminants.

The evaluation of the carcinogenic health hazard produces a quantitative estimate for excess cancer risk resulting from the constituents of concern (COC) present at the site. This estimate is evaluated for determination of further action by comparison of the quantitative estimate with the potentially acceptable risk range of 1E-6 for Class A and B carcinogens and 1E-5 for Class C carcinogens. The evaluation of the noncarcinogenic health hazard produces a quantitative estimate (i.e., the HI) for the toxicity resulting from the COCs present at the site. This estimate is evaluated for determination of further action by comparison of this quantitative estimate with the EPA standard HI of unity (1). The evaluation of the health hazard due to radioactive compounds produces a quantitative estimate of doses resulting from the COCs present at the site.

The specific equations used for the individual exposure pathways can be found in RAGS (EPA 1989a) and the RESRAD Manual (ANL 1993). Table 2 shows the default parameter values suggested for used by SNL/NM at SWMUs, based upon the selected land use scenario. References are given at the end of the table indicating the source for the chosen parameter values. The intention of SNL/NM is to use default values that are consistent with regulatory guidance and consistent with the RME approach. Therefore, the values chosen will, in general, provide a conservative estimate of the actual risk parameter. These parameter values are suggested for use for the various exposure pathways based upon the assumption that a particular site has no unusual characteristics that contradict the default assumptions. For sites for which the assumptions are not valid, the parameter values will be modified and documented.

Summary

SNL/NM proposes the described default exposure routes and parameter values for use in risk assessments at sites that have an industrial, recreational or residential future land use scenario. There are no current residential land use designations at SNL/NM ER sites, but this scenario has been requested to be considered by the NMED. For sites designated as industrial or recreational land use, SNL/NM will provide risk parameter values based upon a residential land use scenario to indicate the effects of data uncertainty on risk value calculations or in order to potentially mitigate the need for institutional controls or restrictions on SNL/NM ER sites. The parameter values are based upon EPA guidance and supplemented by information from other government sources. The values are generally consistent with those proposed by Los Alamos National Laboratory, with a few minor variations. If these exposure routes and parameters are acceptable, SNL/NM will use them in risk assessments for all sites where the assumptions are consistent with site-specific conditions. All deviations will be documented.

Table 2
Default Parameter Values for Various Land Use Scenarios

Parameter	Industrial	Recreational	Residential
General Exposure Parameters			
Exposure frequency	8 hr/day for 250 day	4 hr/wk for 52 wk/yr	350 day/yr
Exposure duration (yr)	25[a,b]	30[a,b]	30[a,b]
Body weight (kg)	70[a,b]	70 adult[a,b] 15 child	70 adult[a,b] 15 child
Averaging Time (days) for carcinogenic compounds (= 70 y x 365 day/yr) for noncarcinogenic compounds (= ED x 365 day/yr)	25,550[a] 9,125	25,550[a] 10,950	25,550[a] 10,950
Soil Ingestion Pathway			
Ingestion rate	100 mg/day[c]	200 mg/day child 100 mg/day adult	200 mg/day child 100 mg/day adult
Inhalation Pathway			
Inhalation rate (m^3/yr)	5,000[a,b]	260[d]	7,000[a,b,d]
Volatilization factor (m^3/kg)	Chemical specific	chemical specific	chemical specific
Particulate emission factor (m^3/kg)	1.32E9[a]	1.32E9[a]	1.32E9[a]
Water Ingestion Pathway			
Ingestion rate (liter/day)	2[a,b]	2[a,b]	2[a,b]
Food Ingestion Pathway			
Ingestion rate (kg/yr)	NA	NA	138[b,d]
Fraction ingested	NA	NA	0.25[b,d]
Dermal Pathway			
Surface area in water (m^2)	2[b,e]	2[b,e]	2[b,e]
Surface area in soil (m^2)	0.53[b,e]	0.53[b,e]	0.53[b,e]
Permeability coefficient	Chemical specific	chemical specific	chemical specific

[a]Risk Assessment Guidance for Superfund, Vol. 1, Part B (EPA 1991).
[b]Exposure Factors Handbook (EPA 1989b).
[c]EPA Region VI guidance.
[d]For radionuclides, RESRAD (Argonne National Laboratory, 1993. *Manual for Implementing Residual Radioactive Material Guidelines Using RESRAD*, Version 5.0, ANL/EAD/LD-2, Argonne National Laboratory, Argonne, IL. 1993) is used for human health risk calculations; default parameters are consistent with RESRAD guidance.
[e]Dermal Exposure Assessment (EPA 1992).
ED = Exposure duration.
EPA = U.S. Environmental Protection Agency.
hr = Hour.
kg = Kilogram(s).
m^2 = Square meter(s).
m^3 = Cubic meter(s).
mg = Milligram(s).
NA = Not available.
wk = Week.
yr = Year.

References

ANL, see Argonne National Laboratory.

Argonne National Laboratory (ANL), 1993. *Manual for Implementing Residual Radioactive Material Guidelines Using RESRAD*, Version 5.0, ANL/EAD/LD-2, Argonne National Laboratory, Argonne, IL.

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National Nuclear Security Administration
Sandia Site Office
P.O. Box 5400
Albuquerque, New Mexico 87185-5400

JUN 1 6 2005

CERTIFIED MAIL - RETURN RECEIPT REQUESTED

cc:
ESH/SEC
MS

Mr. James Bearzi, Bureau Chief
New Mexico Environment Department
Hazardous Waste Bureau
Permits Management Program
2905 Rodeo Park Road, Building 1
Santa Fe, NM 87505

Dear Mr. Bearzi:

On behalf of the Department of Energy (DOE) and Sandia Corporation, DOE is submitting a copy of the supplemental residential risk screening results for solid waste management units (SWMUs) 4, 5, 52, 233, and 234 identified as SWMUs under the Hazardous and Solid Waste Amendments Module of the Resource Conservation and Recovery Act (RCRA) Permit for Sandia National Laboratories, New Mexico (EPA ID No. NM5890110518).

SWMUs 4, 5 and 52 are part of the Liquid Waste Disposal System (LWDS) Operable Unit in Technical Area III/V. The original No Further Action (NFA) Proposals for SWMUs 4, 5, and 52 were submitted to the New Mexico Environment Department (NMED) as part of the RCRA Field Investigation (RFI) for the LWDS in September 1995. Additionally, a response was submitted to NMED in January 1998 and October 1998 to each of two separate Requests for Supplemental Information (RSIs) for SWMUs 4, 5 and 52. A third response to an RSI request was submitted to NMED in May 2001 for SWMU 52. In December 2002, supplemental RSI information was summarized and provided to NMED for SWMU 5.

SWMUs 233 and 234 are part of the Tijeras Arroyo Operable Unit. The original NFA proposals for SWMUs 233 and 234 were submitted to NMED in June 1995 as part of the Round 2 NFA submittals. Additionally, responses were submitted to NMED in October 1996, December 1999, and December 2000 for three separate RSIs.

The enclosed information updates the residential risk screening results for these five SWMUs to achieve consistency with the methodology currently used by the Sandia ER Project and is provided to the NMED to support a determination of Corrective Action Complete Without Controls for these five sites.

The Compliance Order on Consent (COOC) contains deliverable dates for Investigation Reports related to two of these sites: SWMU 4 by March 31, 2006; and SWMU 52 by September 30, 2004. For each of these sites, the previously submitted NFA proposals and RSI responses (referenced above) satisfy these deliverables as indicated by footnote 1 to Table XI-3 of the COOC. No further site-specific investigations have been undertaken at either of these SWMUs, eliminating the need

for additional investigation reporting. The information included with this submittal is limited to updated residential risk screening results using current methodology.

If you have any questions, please contact John Gould at (505) 845-6089.

Sincerely,

Patty Wagner for
Manager

Enclosures

cc w/enclosures:
W. Moats, NMED-HWB (via Certified Mail)
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Sandia National Laboratories/New Mexico Environmental Restoration Project

SUPPLEMENTAL RISK DOCUMENT FOR SWMUs 4, 5, 52, 233, and 234

June 2005

United States Department of Energy
Sandia Site Office

Sandia is a multiprogram laboratory operated by Sandia Corporation, a Lockheed Martin Company, for the United States Department of Energy's National Nuclear Security Administration under contract DE-AC04-94AL85000.

INTRODUCTION

The Environmental Restoration Project at Sandia National Laboratories/New Mexico (SNL/NM) is responsible for the investigation and remediation, as necessary, of solid waste management units (SWMUs) identified in the Hazardous and Solid Waste Amendments module of the Resource Conservation and Recovery Act (RCRA) permit. All activities under the RCRA permit, including the investigation and remediation of SWMUs, are regulated by the New Mexico Environment Department (NMED).

This supplemental risk document addresses five SWMUs (4, 5, 52, 233, and 234), which have been proposed for No Further Action (NFA) but are yet to be considered appropriate for NFA by the NMED. A brief site history and residential risk assessment analysis for SWMUs 5, 233 and 234, as well as comprehensive risk assessment reports for SWMUs 4 and 52 are included in this document. The reports for SWMUs 4 and 52 replace earlier risk assessments and provide human health risk assessments for both industrial and residential land-use scenarios as well as ecological risk assessments.

All of the risk assessments in this document were completed using a residential land-use scenario and risk guidance provided by the NMED in the "Technical Background Document for Development of Soil Screening Levels" (NMED December 2000). Appendix 1 in the reports for SWMUs 4 and 52 contains the SNL/NM default exposure pathways and input parameters. For SWMUs that exceeded NMED risk guidance levels, summary statistics (upper confidence limits [UCLs]) were calculated for the constituents that were primary contributors to the overall risk and are included as attachments in the individual reports. Standard U.S. Environmental Protection Agency guidance (EPA 1992) was used to calculate the UCLs.

In April 2003, the NMED requested that SNL/NM change its risk approach to include the dermal pathway for all land-use scenarios and to eliminate the food ingestion pathway for the residential land-use scenario.

In April 2004, the NMED issued the Compliance Order on Consent (Consent Order) (NMED April 2004) that resulted in another change related to the risk assessment process. The Consent Order replaced the "no further action" terminology by establishing two categories of sites for which corrective action is complete: Corrective Action Complete With Controls and Corrective Action Complete Without Controls.

The supplemental risk assessments in this document provide the basis for determining the appropriate category (Corrective Action Complete With Controls or Corrective Action Complete Without Controls) for each of the five SWMUs analyzed. Each of the SWMUs addressed in this document poses an insignificant risk to human health under the residential land-use scenario. Thus a Certificate of Completion is requested from the NMED, designating each of the SWMUs in this document as Corrective Action Complete Without Controls.

Additional information, including detailed descriptions of site location, history, characterization, confirmatory sampling events, and other related data, is contained in the NFA proposal, response to Request for Supplemental Information, or response to Notice of Deficiency documents for each SWMU. Supplemental information for each SWMU is identified in Table 1.

Table 1
Identification of Documents with Supplemental Information for Each
SNL/NM SWMU Proposed for Corrective Action Complete Without Controls

OU Name	OU	SWMU	NFA Date Submitted/Batch No.	Response to NOD or RSI Submittal Date
Liquid Waste Disposal System	1307	4	September 1995/ LWDS RFI Report	January 1998 and October 1998
Liquid Waste Disposal System	1307	5	September 1995/ LWDS RFI Report	January 1998, October 1998, and December 2002
Liquid Waste Disposal System	1307	52	September 1995/ LWDS RFI Report	January 1998, October 1998, and May 2001
Tijeras Arroyo	1309	233	June 1995/2	October 1996, December 1999, and December 2002
Tijeras Arroyo	1309	234	June 1995/2	October 1996, December 1999, and December 2002

LWDS = Liquid Waste Disposal System.
NFA = No Further Action.
NOD = Notice of Deficiency.
OU = Operable Unit.
RCRA = Resource Conservation and Recovery Act.
RFI = RCRA Facility Investigation.
RSI = Request for Supplemental Information.
SNL/NM = Sandia National Laboratories/New Mexico.
SWMU = Solid Waste Management Unit.

REFERENCES

EPA, see U.S. Environmental Protection Agency.

New Mexico Environment Department (NMED), December 2000. "Technical Background Document for Development of Soil Screening Levels," Hazardous Waste Bureau and Ground Water Quality Bureau Voluntary Remediation Program, New Mexico Environment Department, Santa Fe, New Mexico. December 18, 2000.

New Mexico Environment Department (NMED), April 2004. "Compliance Order on Consent Pursuant to New Mexico Hazardous Waste Act § 74-4-10," New Mexico Environment Department, Santa Fe, New Mexico. April 29, 2004.

NMED, see New Mexico Environment Department.

U.S. Environmental Protection Agency (EPA), 1992. "Dermal Exposure Assessment: Principles and Applications," EPA/600/8-91/011B, Office of Research and Development, Washington, D.C.

Sandia National Laboratories/New Mexico
Environmental Restoration Project

REVISED RESIDENTIAL RISK ASSESSMENT ANALYSES FOR SWMUs 5, 233, AND 234

June 2005

United States Department of Energy
Sandia Site Office

Sandia is a multiprogram laboratory operated by Sandia Corporation, a Lockheed Martin Company, for the United States Department of Energy's National Nuclear Security Administration under contract DE-AC04-94AL85000.

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1.0 SWMU 5: LIQUID WASTE DISPOSAL SYSTEM DRAINFIELD

1.1 Site Location and Operational History

Solid Waste Management Unit (SWMU) 5, the Liquid Waste Disposal System (LWDS) drainfield at Sandia National Laboratories/New Mexico (SNL/NM), covers 0.11 acres and is located in Technical Area (TA)-V, operated by SNL/NM. TA-V is a fenced, secured research and testing area located in the northeast corner of TA-III. The site is paved and situated in a flat area west of Building 6580. The ground elevation at SWMU 5 is approximately 5,429 feet above mean sea level (amsl).

The LWDS was designed to receive, monitor, and discharge radioactive effluent from the Sandia Experimental Reactor Facility in TA-V. The LWDS consists of three holding tanks (SWMU 52), a drainfield (SWMU 5), and two surface impoundments (SWMU 4). The drainfield, also known as Tank 3 of the system, constructed of a concrete conduit filled with gravel, is buried approximately 30 feet below grade.

The drainfield was operational from 1963 to 1967. During this time, radioactive discharges were drained into the holding tanks, where they were monitored and then pumped to the drainfield. It is estimated that the drainfield received approximately 6.5 million gallons of discharge water. The discharge water washed away the soil near the drainfield. In 1967, the drainfield collapsed.

In May 1993, a borehole for monitoring well LWDS-MW1 was drilled to a total depth of 525 feet. LWDS-MW1 was installed to investigate possible effects on groundwater (e.g., mounding and contamination) from the LWDS drainfield. The well was developed in July 1993, and has been sampled on a quarterly basis since then. Trichloroethene (TCE) and nitrate have been detected above the U.S. Environmental Protection Agency Drinking Water Maximum Contaminant Levels in groundwater samples from LWDS-MW1. The maximum TCE and nitrate concentrations in LWDS-MW1 were 24 parts per billion (ppb) and 16.3 ppb, respectively.

Beginning in 1993, four boreholes (LWDS-05-BH11 through LWDS-05-BH14) were installed at the LWDS drainfield. The boreholes were completed in March 1994. Soil core was retrieved, and samples were collected for off-site laboratory analysis. Details of the drilling and sample collection are provided in the "Results of the Liquid Waste Disposal System [Resource Conservation and Recovery Act] RCRA Facility Investigation" (SNL/NM September 1995).

Four additional groundwater monitoring wells (TAV-MW6 through TAV-MW9) were installed in 2001 to further characterize the groundwater contamination in this area. TAV-MW6 was drilled within the boundaries of SWMU 5. Details of the drilling activities, including soil sampling, can be found in the summary of monitoring well drilling activities "TA-V Groundwater Investigation" (SNL/NM November 2001). Because the TA-V Groundwater area of concern is regulated separately under the Compliance Order on Consent (NMED 2004), the SWMU 5 site investigation and risk assessment do not address groundwater issues.

Potential constituents of concern (COCs) at SWMU 5 are metals, volatile organic compounds (VOCs), semivolatile organic compounds (SVOCs), and radiological constituents. Figure 1 shows the location of the four boreholes and the monitoring well at SWMU 5.

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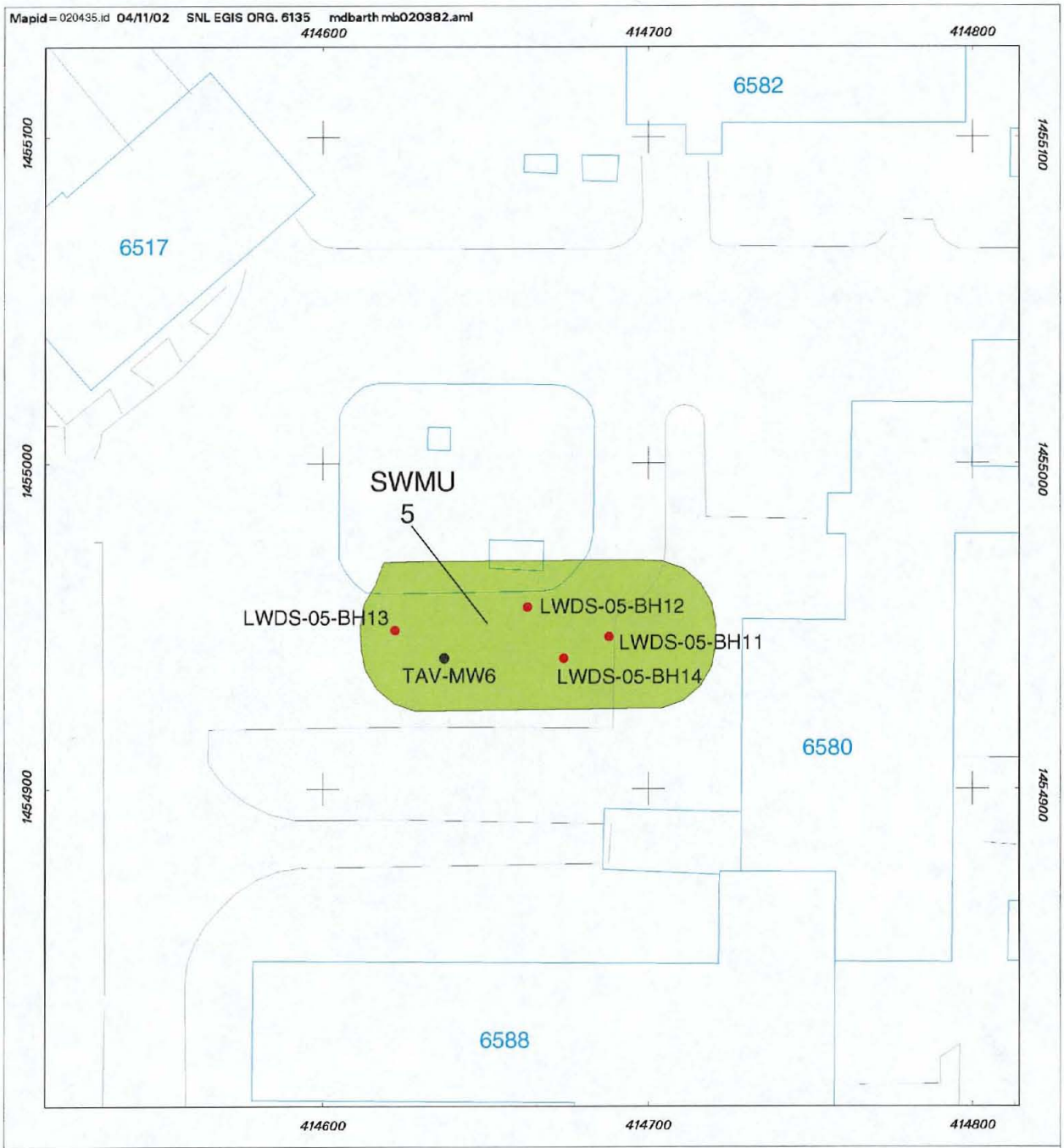

Legend

- Borehole
- Monitoring well
- Road
- Building/Structure
- SWMU

Figure 1
Location of SWMU 5, Boreholes, and Monitoring Well

0 25 50
Scale in Feet

0 6 12
Scale in Meters

Sandia National Laboratories, New Mexico
Environmental Geographic Information System

840857.04220000 A1

1.2 Results of Risk Analysis

The risk assessment calculation was performed using maximum COC concentrations and the methods specified in "Technical Background Document for Development of Soil Screening Levels" (NMED December 2000). As shown in Table 1, the total human health hazard index (HI) (3.23) is higher than the New Mexico Environment Department (NMED) guidance value of 1 for the residential land-use scenario.

The total estimated excess cancer risk is 1E-5 for the residential land-use scenario. NMED guidance states that cumulative excess lifetime cancer risk must be less than 1E-5 (Bearzi January 2001), thus the excess cancer risk for this site is higher than the suggested acceptable risk value.

The HI and estimated excess cancer risk are both slightly higher than the NMED guidelines for the residential land-use scenario when maximum COC concentrations were used in the risk calculation. However, the site has been adequately characterized and average concentrations are more representative of actual site conditions. The upper confidence limit (UCL) of the mean concentrations used for the main risk drivers at this site are as follows (Appendix 1):

- Antimony (5.34 milligrams [mg]/kilogram [kg])
- Cadmium (9.85 mg/kg)
- Chromium (18.18 mg/kg)
- Thallium (1.09 mg/kg)

In addition, the UCL of the mean concentration for arsenic (3.89 mg/kg), the main contributor to the excess cancer risk (Appendix 1), is lower than the background value of 4.4 mg/kg for the Southwest Area Supergroup; therefore, arsenic is eliminated from the risk calculation. When arsenic is removed from the risk calculation and the risk driver UCLs are evaluated, the excess cancer risk is reduced to 4E-7 and the total HI is 0.73. Thus, by using realistic COC and associated concentrations in the risk calculations that more accurately depict actual site conditions, both the total HI and estimated excess cancer risk are lower than NMED guideline values.

In conclusion, human health risk for SWMU 5 is within the acceptable range according to NMED guidance for a residential land-use scenario.

Table 1
Human Health Risk Assessment Values for SWMU 5 Nonradiological COCs

COC	Maximum/ UCL Concentration (mg/kg)	SNL/NM Background Concentration[a] (mg/kg)	Residential Land-Use Scenario[b] (Maximum Concentrations)		Residential Land-Use Scenario[b] (UCL Concentrations)	
			Hazard Index	Cancer Risk	Hazard Index	Cancer Risk
Inorganic						
Antimony	15[c]/**5.34**	3.9	0.49	–	0.17	–
Arsenic	5.39/**3.89**	4.4	0.25	1E-5	Below Background[d]	Below Background[d]
Barium	258	214	0.05	–	0.05	–
Beryllium	0.735	0.65	0.00	7E-10	0.00	7E-10
Cadmium	51.1/**9.85**	0.9	1.31	4E-8	0.25	7E-9
Chromium, total[e]	42.4/**18.18**	1	0.19	2E-7	0.08	8E-8
Cobalt	9.87 J	5.2	0.01	1E-8	0.01	1E-8
Copper	24.2	18.2	0.01	–	0.01	–
Mercury	0.85	<0.1	0.04	–	0.04	–
Nickel	16	11.5	0.01	–	0.01	–
Selenium	1.27	<1	0.00	–	0.00	–
Silver	3.7 J	<1	0.01	–	0.01	–
Thallium	3.89/**1.09**	<1.1	0.77	–	Below Background[d]	Below Background[d]
Vanadium	35.7	21.5	0.07	–	0.07	–
Zinc	67.3	62	0.00	–	0.00	–
Organic						
Acetone	0.0130	–	0.00	–	0.00	–
2-Butanone	0.0107	–	0.00	–	0.00	–
Di-n-butyl phthalate	46 J	–	0.01	–	0.01	–
bis(2-Ethylhexyl) phthalate	1.6	–	0.00	4E-8	0.00	4E-8
Methylene chloride	0.0096	–	0.00	1E-7	0.00	1E-7
4-Methyl-2-pentanone	0.00218	–	0.00	–	0.00	–
Toluene	0.051	–	0.00	–	0.00	–
Trichloroethene	0.0038 J	–	0.00	9E-8	0.00	9E-8
Total			3.23	1E-5	0.73	4E-7

Note: UCLs are calculated only for risk drivers. UCL concentrations are in **bold**.

[a]Dinwiddie September 1997, Southwest Supergroup.

[b]EPA 1989.

[c]Maximum concentration is one-half the detection limit.

Table 1 (Concluded)
Human Health Risk Assessment Values for SWMU 5 Nonradiological COCs

[d]UCL concentration was below background screening level. Therefore risk was not calculated.
[e]Chromium, total is considered to be Chromium VI (most conservative).
COC = Constituent of concern.
EPA = U.S. Environmental Protection Agency.
J = Estimated concentration.
mg/kg = Milligram(s) per kilogram.
SNL/NM = Sandia National Laboratories/New Mexico.
SWMU = Solid Waste Management Unit.
UCL = Upper confidence limit (in **bold**).
– = Information not available.

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APPENDIX 1
CALCULATION OF THE UPPER CONFIDENCE LIMITS OF MEAN CONCENTRATIONS

For conservatism, Sandia National Laboratories/New Mexico uses the maximum concentration of the constituents of concern (COCs) for initial risk calculation. If the maximum concentrations produce risk above New Mexico Environment Department (NMED) guidelines, conservatism with this approach is evaluated and, if appropriate, a more realistic approach is applied. When the site has been adequately characterized, an estimate of the mean concentration of the COCs is more representative of actual site conditions. The NMED has proposed the use of the upper confidence limit (UCL) of the mean to represent average concentrations at a site (NMED December 2000). The UCL is calculated according to NMED guidance (Tharp June 2002) using the U.S. Environmental Protection Agency ProUCL program (EPA April 2002). Attached are the outputs from that program and the calculated UCLs used in the risk analysis.

References

EPA, see U.S. Environmental Protection Agency.

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U.S. Environmental Protection Agency (EPA), April 2002. *ProUCL User's Guide*, U.S. Environmental Protection Agency, Washington, D.C.

ATTACHMENT

SWMU 5

SWMU 5		
Summary Statistics for	antimony	
Number of Samples	68	
Minimum	0.119	
Maximum	15	
Mean	2.478	
Median	3.0	
Standard Deviation	2.370	
Variance	5.615	
Coefficient of Variation	0.956	
Skewness	2.376	
Lilliefors Test Statisitic	0.391	
Lilliefors 5% Critical Value	0.107	
Data not Lognormal at 5% Significance Level		
Data not Normal: Try Non-parametric UCL		
99 % UCL (Assuming Normal Data)		
Student's-t	3.163	
99 % UCL (Adjusted for Skewness)		
Adjusted-CLT	3.309	
Modified-t	3.176	
99 % Non-parametric UCL		
CLT	3.146	
Jackknife	3.163	
Standard Bootstrap	3.166	
Bootstrap-t	3.381	
Chebyshev (Mean, Std)	5.337	

SWMU 5						
Summary Statistics for			arsenic		Summary Statistics for	ln(arsenic)
Number of Samples			68		Minimum	0.1823
Minimum			1.2		Maximum	1.6845
Maximum			5.39		Mean	0.8953
Mean			2.634		Standard Deviation	0.3840
Median			2.4		Variance	0.1475
Standard Deviation			1.033			
Variance			1.067		Lilliefors Test Statisitic	0.0836
Coefficient of Variation			0.392		Lilliefors 5% Critical Value	0.1074
Skewness			0.750		Data are Lognormal at 5% Significance Leve	
97.5	% UCL (Assuming Normal Data)				Estimates Assuming Lognormal Distribution	
Student's-t			2.884		MLE Mean	2.6355
					MLE Standard Deviation	1.0505
97.5	% UCL (Adjusted for Skewness)				MLE Coefficient of Variation	0.3986
Adjusted-CLT			2.896		MLE Skewness	1.2591
Modified-t			2.886		MLE Median	2.4482
					MLE 80% Quantile	3.3866
97.5	% Non-parametric UCL				MLE 90% Quantile	4.0100
CLT			2.879		MLE 95% Quantile	4.6044
Jackknife			2.884		MLE 99% Quantile	5.9806
Standard Bootstrap			2.876			
Bootstrap-t			2.901		MVU Estimate of Median	2.4455
Chebyshev (Mean, Std)			3.416		MVU Estimate of Mean	2.6324
					MVU Estimate of Std. Dev.	1.0446
					MVU Estimate of SE of Mean	0.1265
					UCL Assuming Lognormal Distribution	
					Confidence Level not supported for H-Statist	
					Chebyshev 97.5 % (MVUE)	3.4223
					99% Chebyshev (MVUE) UCL	3.8909

SWMU 5		
Summary Statistics for	cadmium	
Number of Samples	68	
Minimum	0.007	
Maximum	51.1	
Mean	1.6957	
Median	0.25	
Standard Deviation	6.7606	
Variance	45.7058	
Coefficient of Variation	3.9868	
Skewness	6.4516	
Lilliefors Test Statisitic	0.2497	
Lilliefors 5% Critical Value	0.1074	
Data not Lognormal at 5% Significance Level		
Data not Normal: Try Non-parametric UCL		
99 % UCL (Assuming Normal Data)		
Student's-t	3.6497	
99 % UCL (Adjusted for Skewness)		
Adjusted-CLT	4.8670	
Modified-t	3.7566	
99 % Non-parametric UCL		
CLT	3.6030	
Jackknife	3.6497	
Standard Bootstrap	3.6012	
Bootstrap-t	11.3609	
Chebyshev (Mean, Std)	9.8531	

SWMU 5							
Summary Statistics for			total chromium		Summary Statistics for	ln(total chromium)	
Number of Samples			68		Minimum	0.7885	
Minimum			2.2		Maximum	3.7471	
Maximum			42.4		Mean	2.1227	
Mean			10.082		Standard Deviation	0.6178	
Median			7.700		Variance	0.3817	
Standard Deviation			6.853				
Variance			46.964		Lilliefors Test Statisitic	0.0823	
Coefficient of Variation			0.680		Lilliefors 5% Critical Value	0.1074	
Skewness			2.142		Data are Lognormal at 5% Significance Leve		
99	% UCL (Assuming Normal Data)				Estimates Assuming Lognormal Distribution		
Student's-t			12.063		MLE Mean	10.1100	
					MLE Standard Deviation	6.8928	
99	% UCL (Adjusted for Skewness)				MLE Coefficient of Variation	0.6818	
Adjusted-CLT			12.441		MLE Skewness	2.3622	
Modified-t			12.099		MLE Median	8.3533	
					MLE 80% Quantile	14.0798	
99	% Non-parametric UCL				MLE 90% Quantile	18.4782	
CLT			12.016		MLE 95% Quantile	23.0812	
Jackknife			12.063		MLE 99% Quantile	35.1551	
Standard Bootstrap			11.997				
Bootstrap-t			12.664		MVU Estimate of Median	8.3299	
Chebyshev (Mean, Std)			18.351		MVU Estimate of Mean	10.0766	
					MVU Estimate of Std. Dev.	6.7825	
					MVU Estimate of SE of Mean	0.8147	
					UCL Assuming Lognormal Distribution		
					Confidence Level not supported for H-Statistic		
					99% Chebyshev (MVUE) UCL	18.1826	
					99% Chebyshev (MVUE) UCL	18.1826	

SWMU 5				
Summary Statistics for			thallium	
Number of Samples			68	
Minimum			0.14	
Maximum			3.89	
Mean			0.6955	
Median			0.5000	
Standard Deviation			0.7430	
Variance			0.5520	
Coefficient of Variation			1.0683	
Skewness			2.4834	
Lilliefors Test Statisitic			0.3378	
Lilliefors 5% Critical Value			0.1074	
Data not Lognormal at 5% Significance Level				
Data not Normal: Try Non-parametric UCL				
95	% UCL (Assuming Normal Data)			
Student's-t			0.8457	
95	% UCL (Adjusted for Skewness)			
Adjusted-CLT			0.8726	
Modified-t			0.8503	
95	% Non-parametric UCL			
CLT			0.8437	
Jackknife			0.8457	
Standard Bootstrap			0.8421	
Bootstrap-t			0.9033	
Chebyshev (Mean, Std)			1.0882	