U.S. Department of Energy

Oakland Operations Office, Oakland, California

FINAL TECHNICAL REPORT: RESULTS OF WESTERN DOG PENS, BACKGROUND, AND OFF-SITE INVESTIGATIONS

at the

LABORATORY FOR ENERGY-RELATED HEALTH RESEARCH (LEHR) UNIVERSITY OF CALIFORNIA AT DAVIS, CALIFORNIA

prepared for

United States Department of Energy
Oakland Operations Office
1301 Clay Street
Oakland, California 95612-5208

prepared by

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Emeryville, CA 94608-2411

June 1998
Rev. 0

DOE Oakland Operations Contract DE-AC03-96SF20686

Weiss Associates
Environmental and Geologic Services

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ACRONYMS

Am-241	Americium-241
bgs	Below ground surface
BI	Background Investigation
Bi-212	Bismuth-212
C-14	Carbon-14
Cs-137	Cesium-137
cpm	Counts per minute
cps	Counts per second
DOE	U.S. Department of Energy
DPI	Western Dog Pens Investigation
EPA	Environmental Protection Agency
GEL	General Engineering Laboratories
LCL	Lower confidence limit
LEHR	Laboratory for Energy-Related Health Research
MDA	Minimum detectable activity
mg/kg	Milligrams/kilogram
ORI	Off-Site Radium-226 Investigation
Pb-210	Lead-210
pCi/g	PicoCurie(s) per gram
pCi/L	PicoCurie(s) per liter

PQL	Practical quantitation limit
PRGs	Preliminary Remediation Goals
Pu-241	Plutonium-241
QAPP	Quality Assurance Project Plan
Ra-223	Radium-223
Ra-226	Radium-226
RBAS	Risk-Based Action Standards
RI/FS	Remedial Investigation/Feasibility Study
SOPs	Standard Operating Procedures
Sr-90	Strontium-90
SVOCs	Semi-volatile organic compounds
TCE	Trichloroethene
Th-234	Thorium-234
TOC	Total organic carbon
U-235	Uranium-235
U-238	Uranium-238
UC Davis	University of California Davis
ug/L	Microgram/liter
USA	Underground Services Alert
USCS	Unified Soil Classification System
VOCs	Volatile Organic Compounds

EXECUTIVE SUMMARY

This Technical Report presents the results of the Western Dog Pens, Background and Off-Site Investigations conducted between September 1997 and March 1998 at the Laboratory for Energy-Related Health Research (LEHR) at the University of California, Davis, California (UC Davis). The main objectives of the Western Dog Pen Investigation (DPI), Background Investigation (BI), and Off-Site Radium-226 Investigation (ORI) were to:

- DPI: collect sufficient data to make remedial decisions for the Western Dog Pens;
- BI: refine the existing background radionuclide and metals levels for the LEHR site; and,
- ORI: more fully define the lateral and vertical extent of potential environmental impacts from surface runoff in the area of the Radium Treatment System.

DPI: The DPI was conducted in three phases. Phase A consisted of: 1) reviewing all existing Western Dog Pens data and available operational records; 2) interviewing former LEHR staff involved in the dog experiments; 3) conducting a dog pen-wide reconnaissance surface gamma radiation survey; and, 4) selecting pens for more detailed investigation based on this information. Phase B consisted of a detailed gamma radiation survey and sampling of both the gravel and native soil in the selected pens. Based on the Phase A and B results, Phase C consisted of sampling soil from 0 to 25 ft below ground surface (bgs) in 20 borings located in 20 different pens. Grab ground water samples were collected from 6 of the 20 borings. All Phase B and C samples were analyzed for selected radionuclides and metals, and for nitrate. All soil and gravel samples were also analyzed for organochlorine pesticides. Selected soil and ground water samples were also analyzed for total organic carbon, ammonia, and organic nitrogen.

Significant findings of DPI Phases A through C are:

- Gravel: Alpha- plus gamma-chlordane was detected in most gravel samples at trace levels (0.099 mg/kg or less), well below the 0.78 mg/kg lowest 10^{-6} risk-based action standard (RBAS) developed for the LEHR site. Radionuclides and metals levels in gravel are generally similar to those in background soil, although hexavalent chromium was detected at levels above the soil background in most gravel samples. Because no gravel-specific background levels have been determined, the significance of these results has not yet been determined.
- Surface soil (beneath gravel): Alpha- plus gamma-chlordane was detected in all but two surface samples in concentrations ranging from less than 0.001 mg/kg to 2.2 mg/kg. Only 2 of the 96 surface soil samples analyzed contained alpha- plus gamma-chlordane in concentrations exceeding the 0.78 mg/kg RBAS. Given

that alpha- and gamma-chlordanes may constitute as little as 50% of the total chlordanes present, 2 other samples contained chlordane at levels that might exceed the 0.78 mg/kg RBAS. Radionuclides and metals detected above background include radium-226 (Ra-226), cesium-137 (Cs-137), strontium-90 (Sr-90), carbon-14 (C-14), thorium-234 (Th-234), uranium-238 (U-238), hexavalent chromium, and mercury. Of these, only Cs-137 and mercury exceeded two times background in more than 10% of the samples. The maximum Cs-137 activity measured was 0.115 picoCuries per gram (pCi/g); background is 0.012 pCi/g, background for surface soils only is 0.043 pCi/g, and the lowest 10^{-6} RBAS is 0.1 pCi/g. The maximum mercury concentration was 3.7 mg/kg; background is 0.63 mg/kg, background for surface soils only is 0.99 mg/kg, and the lowest 10^{-6} RBAS is defined as background. DPI and previous data indicate that surface soil "hot spots" are: 1) of limited number and very limited lateral extent (as small as 1.2-ft radius or less); 2) show no predictable inter- or intra-pen pattern; and, 3) show no obvious relationship to contaminant levels in overlying gravel or to surface gamma readings.

- Subsurface soil: Chlordane concentrations attenuate markedly with depth, and were below the quantitation limit in all of the soil samples collected from greater than 2 ft bgs. Mercury concentrations above background were also found almost exclusively in soil from 2 ft bgs or less. Radionuclides and metals detected above background in subsurface soil include Sr-90, Cs-137, C-14, Th-234, U-235, U-238, lead-210 (Pb-210), and hexavalent chromium. No radionuclide was detected at greater than two times background in more than 10% of the subsurface samples, and no subsurface samples had radionuclide activities greater than the respective 10^{-6} RBASs. There is no apparent pattern to the distribution of any of these radionuclides. Hexavalent chromium was detected at greater than two times background in one or more sampling depths from 17 of the 20 boreholes; however no relationship between concentration and depth was observed. The maximum concentration detected was 1.02 mg/kg (background is 0.054 mg/kg and the lowest 10^{-6} RBAS is 3.8 mg/kg) in a surface sample.

- Ground water: Concentrations of all analytes in the ground water were similar to those detected recently in monitoring wells located upgradient of the Western Dog Pens area, with the exception of nitrate in four of the seven grab ground water samples analyzed. The maximum nitrate concentration detected was 78.6 mg/L, compared with approximately 10 mg/L typically detected in upgradient wells. There is no apparent correlation between concentrations in ground water and those in immediately overlying soil.

BI: The BI included: 1) selecting 6 off-site drilling locations based on surface soil types, results from the 1994 background borings, and accessibility; 2) drilling 6 boreholes to approximately 40 ft bgs, and sampling each at 0, 4, 8, 12, 16, 20, 30 and 40 ft bgs; 3) analyzing each soil sample for selected radionuclides and metals; 4) analyzing selected samples for organochlorine pesticides, volatile organic compounds (VOCs), and semi-volatile organic compounds (SVOCs); and, 5)

statistically analyzing the data to determine if the new data could be combined with the 1994 data and to refine background level calculations. The analyte list, detection limits, and soil sampling depths were all chosen to augment the 1994 data so that background levels could be better defined.

A statistical analysis of the 1994 and new background data was conducted to identify any statistically significant differences between the two data sets. For those analytes with no significant differences between data sets, the previously established background levels were refined by combining the two data sets and recalculating the 80% lower confidence limit (LCL) of the 95th percentile. Where significant differences between the old and new data sets were identified, the new data were used to calculate a new background level. In general, the previous and new refined background levels for radionuclides and metals differ by less than a factor of two. The background level for Sr-90 is one notable exception: the previous background level was 0.36 pCi/g, while the recalculated background level is 0.056 pCi/g. The new background data are believed to be more accurate than the 1994 data because longer count times were used to achieve lower detection limits and better accuracy.

ORI: The ORI consisted of a surface gamma survey followed by shallow soil sampling from eight locations chosen based on the gamma survey results. Surface soil samples were collected from each of the eight locations, and samples from 0.5 and 1.5 ft bgs were collected from the three locations with the highest surface gamma readings. Fifteen samples were collected and all were analyzed for Ra-226 and Sr-90. Five samples were also analyzed for additional radionuclides, VOCs, SVOCs, organochlorine pesticides, selected metals, and nitrate.

Radionuclides and metals detected above two times background in ORI samples include bismuth-214 (Bi-214), Cs-137, Pb-214, total chromium, and mercury. Of these, only Cs-137 levels exceeded two times background in more than one sample. Cs-137 was detected at greater than two times background in four of the five surface samples for which it was analyzed. The maximum Cs-137 activity detected was 0.32 pCi/g, while the surface soil background level is 0.043 pCi/g. The lowest 10^{-6} RBAS for Cs-137 is 0.1 pCi/g.

Because of these results, all 15 ORI samples were subsequently analyzed for Cs-137. Based on the results of these analyses, the 5 initial Cs-137 results were confirmed, and 6 of the 10 other sample results exceeded both two times background and the RBAS. Three of the four samples with Cs-137 activities below the background and RBAS levels were those collected from 1.5 ft bgs. The Cs-137 activities in 2 of the 3 samples collected from 0.5 ft bgs were above these levels, but were lower than those in the overlying surface sample.

Based on these results, additional investigations to determine the lateral and vertical extent and if possible the source of the Cs-137 impact in this area are planned. A work plan is being prepared and reviewed by DOE and the RPMs to address this additional characterization.

1. INTRODUCTION

1.1 Objectives

This Technical Report presents the results of the Western Dog Pens, Background and Off-Site Investigations conducted between September 1997 and March 1998 at the Laboratory for Energy-Related Health Research (LEHR) at the University of California, Davis, California (UC Davis) (Figure 1). The main objectives of the Western Dog Pens Investigation (DPI), Background Investigation (BI), and Off-Site Radium-226 (Ra-226) Investigation (ORI) are summarized below.

- Using a phased approach, the DPI was primarily intended to provide information to guide remedial decisions. The main DPI objective was to determine whether or not isolated, predictable, and/or easily removable "hot spots" exist.
- The primary objective of the BI was to refine the background radionuclide and metals levels. Background levels play a key role in setting appropriate risk-based cleanup goals for the LEHR site.
- The main objective of the ORI was to more fully define the lateral and vertical extent of potential environmental impacts to the storm water run-off ditches immediately west of the LEHR site.

1.2 Previous Investigations

Previous investigations in the Western Dog Pens are briefly summarized below. Previous background and off-site Ra-226 investigations are also described. Additional details of previous Western Dog Pens, background, and/or off-site Ra-226 investigations are presented in the *Draft Final Remedial Investigation/Feasibility Study (RI/FS) Work Plan* (Dames and Moore, 1994), *Final Site Characterization Report* (Weiss Associates, 1997a), *Final Engineering Evaluation/Cost Analysis Report for the Southwest Trenches, Ra/Sr Treatment Systems, and Domestic Septic System Areas* (Weiss Associates, 1998a), and *Draft Work Plan for Removal Actions in the Southwest Trenches, Ra/Sr Treatment Systems, and Domestic Septic System Areas* (Weiss Associates, 1998b).

1.2.1 Pre-1997 Dog Pens Investigations

Soil samples were collected and analyzed from the Dog Pens in 1990, 1994, and 1996 (Figure 2); however, these data did not provide adequate definition of the contaminant distribution for effective remedial decisions. Additionally, the QA/QC procedures followed for most of these samples are not completely consistent with those required under CERCLA. The 1994 data, which

were collected in compliance with CERCLA QA/QC requirements and are considered the highest quality data collected from the Dog Pens Area, were considered quantitatively in the planning and execution of the DPI, while the 1990 and 1996 data were only considered qualitatively. Field radiation survey data from the dog pen pedestals removed in 1996 and anecdotal information about the dog pen operations were also considered qualitatively in the design and execution of the 1997-1998 DPI.

Review and synthesis of all previous Western Dog Pens data were part of Phase A of the DPI. Figures summarizing these data are presented in Appendix A and the conclusions of the data review are presented in Section 3.1.2.

1.2.2 Pre-1997 Background Investigation

In November 1994, 26 background soil samples were collected for analysis from six off-site borings. Sampling locations were within one-half mile of the LEHR site (Figure 3) and were selected based on soil types similar to those at the site. Samples from the surface, 4 ft below ground surface (bgs), 19 ft bgs, and 39 ft bgs in each boring were analyzed for selected metals, organochlorine pesticides, radiologic parameters, and general chemical parameters. The 80% lower confidence limit (LCL) of the 95th percentile for these data was calculated for each inorganic constituent, and the calculated values were used as background levels in the *Draft Final Determination of Risk-Based Action Standards (RBAS) Report* (Weiss Associates, 1997b).

While the 1994 background data for organochlorine pesticides and general chemical parameters were adequate, the following deficiencies were noted for the radiological and metals data:

1) Several radionuclides that had been detected at the LEHR site were not analyzed, including americium-241 (Am-241), bismuth-212 (Bi-212), lead-210 (Pb-210), plutonium-241 (Pu-241), radium-223 (Ra-223), and thorium-234 (Th-234);
2) The background levels for several other radionuclides were of the same order of magnitude as the minimum detectable activity (MDA), and therefore had a large error margin;
3) The background levels for several metals were below the detection limits; and,
4) Levels of some metals and radionuclides vary significantly and may vary consistently with soil type and/or depth, although too few data were available to determine this conclusively.

1.2.3 Pre-1997 Off-Site Radium-226 Investigation

As part of the 1996 Limited Field Investigation (LFI), four near-surface samples were collected from the storm water ditch along Old Davis Road to assess potential impacts from known overflows of the Radium Treatment System immediately to the east (Figure 1). The samples were analyzed for the full suite of potential contaminants at LEHR. The two samples located closest to the

Radium Leach System dry wells showed Ra-226 levels slightly above background, and several other constituents were detected slightly above background in one or more samples.

2. DESCRIPTION OF 1997-98 WESTERN DOG PENS, BACKGROUND, AND OFF-SITE INVESTIGATIONS

This section describes the field activities for the DPI, BI, and ORI. Fieldwork began early October 1997. All work was conducted in accordance with the *Final Work Plan for Western Dog Pens, Background, and Off-Site Investigations* (the Work Plan) (Weiss Associates, 1997c), the *Final Phase C Addendum to the Final Work Plan for Western Dog Pens, Background and Off-Site Investigations* (the Phase C Addendum) (Weiss Associates, 1998c), the *Quality Assurance Project Plan* (QAPP) (Weiss Associates, 1998d), and all appropriate Standard Operating Procedures (SOPs) included in the Work Plan and Phase C Addendum. Both the Work Plan and the Phase C Addendum were reviewed and accepted by the remedial project managers (RPMs) from the US Environmental Protection Agency (EPA), the Central Valley Regional Water Quality Control Board (RWQCB), the California EPA Department of Toxic Substances Control (DTSC), and the California Department of Health Services (DHS).

Underground utilities were cleared prior to all subsurface sampling. This clearance included: 1) UC Davis personnel locating utilities and marking the ground surface indicating the type and orientation of utilities; 2) contacting Underground Services Alert (USA) 48-hours prior to beginning drilling; and, 3) contracting a private utility locator, Subdynamic Corporation, of San Carlos, California, to clear the proposed drilling locations.

All laboratory analyses were performed using the methods specified in the Work Plan (Weiss Associates, 1997c) and Phase C Addendum (Weiss Associates, 1998c) by General Engineering Laboratories (GEL) in Charleston, South Carolina.

2.1 1997-1998 Dog Pens Investigation

The primary purpose of the 1997-1998 DPI was to provide the information needed to make remedial decisions. The focus of the investigations was to determine if contaminants are present above the cleanup goals, and if so, their horizontal and vertical distribution, and whether isolated, easily removable, and predictable hot spots are present.

The DPI approach described in the Work Plan and Phase C Addendum is summarized below. The Eastern Dog Pens and the concrete curbing in the Western Dog Pens were not included in the 1997-1998 DPI, but will be addressed at a later date

The DPI followed a three-phase (Phases A, B, and C) approach. Phase A consisted of an information review and reconnaissance surface radiation survey. Phase B included detailed radiation surveying and surface gravel/soil interface sampling of selected pens. Phase C included additional gravel/soil sampling both at the surface and to depths of 26 ft bgs. Due to the phased nature of the

DPI, the information obtained during Phase A was used to guide the design and structure of Phase B, and results for both Phases A and B were used in the design of the Phase C sampling program.

2.1.1 1997-1998 Dog Pens Investigation - Phase A

As described in detail in the Work Plan (Weiss Associates, 1997c), DPI - Phase A work consisted of: 1) reviewing available reports for information on Dog Pens operations; 2) interviewing former UC Davis staff who worked at LEHR; 3) reviewing all previously collected Dog Pens chemical/radiological data; and, 4) conducting a reconnaissance gamma radiation survey over the entire surface of the Western Dog Pens. Based on the Phase A results, sampling strata were defined and 12 dog pens were selected randomly to represent these strata for sampling during the Phase B investigation.

2.1.1.1 Records Review and Former Dog Pens Employee Interviews

In September and October, 1997, WA conducted an historical search of information which might assist in identifying areas within the dog pen complex which had been impacted by pesticides or radionuclides. This historical research consisted of interviews with UC Davis personnel who had worked on the Dog Project at LEHR, and review of project files and reports archived at the DOE facility in San Bruno, California and at UC Davis. Interviews were performed with Ed Hinz, UC Davis electrical engineer from 1962-1978, Don Ballard who worked on the project from 1975 to the present, and Dr. Marvin Goldman, LEHR Director from the early 1960s to the 1980s. The files reviewed included correspondence, log books, and Annual Reports stored at the DOE archive in San Bruno. Additionally, some records stored at UC Davis were reviewed.

The following Western Dog Pens data were also reviewed:

- Analytical laboratory results for shallow (1.5 ft bgs or less) soil samples collected as part of the Phase II investigation in 1990;
- Analytical laboratory results for soil samples collected from depths up to 65 ft bgs during drilling for wells UCD-20 and UCD-21 in 1990;
- Analytical laboratory results for soil samples collected from depths up to 21 ft bgs from soil borings drilled in 1994;
- Radiological survey results of all the Western Dog Pen pedestals measured in 1996 when the pedestals were removed; and,
- Analytical laboratory results for soil samples collected immediately below some of the pedestals.

The findings of the records review and interviews are summarized in Section 3.1.1, Section 3.1.2, and Appendix A.

2.1.1.2 Reconnaissance Surface Radiation Survey

On September 24, 1997, IT Corporation surveyed the entire Western Dog Pens area using the TSA VRM-X1 cart-mounted gamma radiation instrument with a 33-inch long, 3-inch wide sodium iodide detector. By pushing the cart slowly across the dog pen area, readings representative of a roughly 5 ft north/south by 2 ft east/west grid area were obtained. Prior to conducting the survey, IT measured 10 background activities at each of four locations outside of the Dog Pens Area and calculated the mean and standard deviation of these measurements. A "background" activity of the mean plus three times the standard deviation was established for comparison with readings taken within the pens during the reconnaissance survey (see Appendix A). During the survey, the highest reading measured in each dog pen was recorded. The results are summarized in Section 3.1.3.

2.1.1.3 Defining Sampling Strata and Selecting Phase B Investigation Pens

As described in the Work Plan (Weiss Associates, 1997c), the DPI-Phase A results were used to define sampling strata for the Phase B Investigation. Based on the operation records reviews, interviews, previous sampling data, and reconnaissance gamma radiation survey, sampling strata were defined based on indications about chlordane and Ra-226 levels in each dog pen (Figure A-6, Appendix A). Twelve pens were then selected at random using a random number generator (RNG) to represent these strata for the Phase B sampling (Figure 4). The number of pens selected for Phase B sampling could be small because a hot spot pattern would need to be present in almost all of the pens in a given "stratum" if the information was to prove useful in designing remedial actions.

2.1.2 1997-1998 Dog Pens Investigation - Phase B

The 1997-1998 DPI - Phase B investigation involved detailed "intra-pen" surface and near-surface sampling. DPI - Phase B was conducted on twelve individual pens to determine if a predictable pattern of "hot spots" within these selected pens exists. DPI - Phase B field activities consisted of: 1) conducting a detailed gamma survey on the gravel surface of the 12 selected pens; 2) collecting gravel samples from each selected pen based on the survey results; 3) removing the gravel from the selected pens and performing a detailed gamma/beta survey on the exposed native soil; and, 4) collecting surface soil samples from each pen for laboratory analysis. These tasks are described below.

2.1.2.1 Detailed Gamma/Beta Radiation Survey and Soil Sampling

On October 15, 1997, a detailed gamma radiation survey using a Ludlum Model 2221 instrument with a Model 44-10 (2 inch x 2 inch) sodium-iodide scintillator was conducted on the gravel surface of the twelve selected pens (Figure 4). Based on the results of the gamma survey and other available information, gravel from 3 to 5 locations within each of the selected pens was then sampled. After collection of the gravel samples, the gravel was removed, stockpiled and covered within the Western Dog Pens area.

After removal of the gravel, a detailed gamma surface survey was conducted on an approximately 1 ft by 1 ft grid over the exposed native soil surface. This survey was conducted on October 30, 1997 using the same instrument used for the gravel survey. Based on the results of the

gamma survey and other available information, 4 to 7 native soil samples were collected at the exposed interface from each of the twelve selected pens.

A total of 46 gravel and 75 soil samples, including 4 gravel and 6 soil duplicates, were submitted to GEL for selected radionuclide, organochlorine pesticide, mercury, hexavalent chromium, and nitrate analyses. The radionuclide suite included gross alpha, gross beta, carbon-14 (C-14), strontium-90 (Sr-90), Ra-226, and other gamma emitters. The results of these analyses are presented in Appendix C1 and are discussed in Section 3.2.

2.1.3 1997-1998 Dog Pens Investigation - Phase C

As described in the Work Plan (Weiss Associates, 1997c) and Phase C Addendum (Weiss Associates, 1998c), DPI - Phase C work consisted of:

- Evaluating Phase A and Phase B results and preparing the Phase C Addendum;
- Collecting soil samples using direct push sampling technology;
- Collecting grab ground water samples from selected soil borings; and,
- Analyzing all samples for selected constituents.

Phase C work tasks are described below.

2.1.3.1 Data Evaluation and Phase C Work Plan Addendum Preparation

Phase A and B results were evaluated to select Phase C soil boring locations throughout the Western Dog Pens (Figure 4). Phase A and B results indicated that surface "hot spots" of Ra-226 (defined as activities greater than two times background, or approximately 1.5 pCi/g) and chlordane (defined here as concentrations greater than the 0.78 mg/kg lowest 10^{-6} RBAS) are few and are of very limited extent. Samples collected adjacent to "hot spots" had Ra-226 levels below background and/or chlordane concentrations at least an order of magnitude lower than the elevated concentration. Therefore, based on Phase B results, areas of elevated concentration of 1.2-ft radius or <u>smaller</u> may be scattered throughout the Western Dog Pens.

Therefore, the Phase C sampling was not designed to further define all areas of elevated surface concentrations. Rather, it was focused on better defining the:

1) vertical extent of formerly identified near-surface and deeper areas with radionuclide and metals concentrations significantly above background;
2) vertical extent of recently identified Phase B surface and near-surface areas of elevated radionuclide activity and,
3) possible presence of areas of radionuclide, metals and pesticide elevated concentration at depth given the absence of widespread near-surface contamination.

A total of 20 Western Dog Pens were selected for Phase C investigation (Figure 4). Of these, five were selected for Phase C investigation for the following reasons:

1. Dog Pen G-22: 5.11 pCi/g Ra-226 detected at 5.75 ft bgs near the pen entrance in 1994.
2. Dog Pen F-26: 1.82/pCi/g Ra-226 detected at 20.5 ft bgs near the pen entrance in 1994.
3. Dog Pen C-15: 15 mg/kg chlordane detected in surface soil beneath the former pedestal in 1996.
4. Dog Pen G-13: 1.9 mg/kg chlordane detected in surface soil beneath the former pedestal in 1996.
5. Dog Pen H-32: 1.88 pCi/g Ra-226 detected in surface soil in the rear central portion of the pen. This is the highest Ra-226 surface soil concentration reported during Phase B of the Western Dog Pens Investigation.

In the absence of predictable inter-pen and intra-pen "hot spots," the 15 remaining pens were selected at random using an RNG. These 20 pens sampled in Phase C plus the 14 other pens sampled at depth in 1994 represent approximately 10% of the 320 pens in the Western Dog Pens.

2.1.3.2 DPI - Phase C Soil and Ground Water Sample Collection

DPI - Phase C drilling commenced on February 17, 1998, was completed on March 3, 1998, and was performed by Precision Sampling of San Rafael, California. Phase C borings were advanced using "direct push" exploration technology. Lithologic core logging, in accordance with the Unified Soil Classification System (USCS), was performed and recorded for each boring drilled by a Weiss Associates geologist. Phase C boring logs are included in Appendix B1.

Soil samples were collected from each boring at 0, 2 ft bgs, and at three other depths to a total depth of approximately 26 ft bgs. The surface sample was collected from the first soil encountered beneath any gravel present in the pen selected for sampling. All 106 soil samples collected were analyzed by GEL for selected radionuclides, organochlorine pesticides, mercury, nitrate, and hexavalent chromium. At the request of the Davis South Campus Superfund Oversight Committee's (DSCSOC's) Technical Assistance Group (TAG) consultant, the 32 samples from the borings in dog pens A-14, C-15, F-26, G-22, H-32, and J-24 were also analyzed for total chromium, ammonia, organic nitrogen, and total organic carbon (TOC). All Phase C soil results are presented in Appendix C2 and are discussed in Section 3.3.

In response to regulatory agency requests, ground water samples were collected from the 6 borings drilled within dog pens A-14, C-15, F-26, G-22, H-32, and J-24 (Figure 4). Ground water was encountered between 18 and 22 ft bgs in these borings. To collect the ground water samples, the "direct push" outer sample rods were pulled back approximately 5 ft and the inner sample rods for the sampler were removed. A 1-inch diameter schedule 40 PVC casing and well screen were then lowered within the stationary outer sample rods from the ground surface to total depth of the boring. The bottom 5 ft of the 1-inch PVC casing was screened, allowing ground water to enter. Ground water samples were collected using a clean, stainless steel bailer. The stainless steel bailer was lowered into the boring within the 1-inch temporary PVC slotted casing to collect the ground water sample for analysis. Ground water samples collected with the bailer were decanted into appropriate

containers. Samples were shipped to GEL within 24 hours. GEL filtered the samples (except for those for ammonia and organic nitrogen analyses) and analyzed them for Sr-90, Ra-226, gross alpha, gross beta, mercury, ammonia, organic nitrogen, TOC, total chromium, hexavalent chromium, and nitrate. Results of these ground water analyses are presented in Appendix C2 and are discussed in Section 3.3.

At the conclusion of the shallow soil sampling, all casing was removed and the boreholes were backfilled with neat cement grout carefully placed from the bottom to 1 ft from the top of each borehole using tremie pipe. Unused core was placed in a shallow trench located immediately adjacent to its point of origin and covered with native soil.

2.2 Background Investigation

The BI work consisted of:

- Drilling and sampling at appropriate locations and depths;
- Analyzing all samples for selected radionuclides and metals, and selected samples for VOCs, SVOCs, and pesticides; and,
- Statistically analyzing both these new data and the previously-collected background data to establish background levels.

Each of these tasks is discussed below.

2.2.1 Drilling and Sampling

Six off-site background locations (Figure 3) were selected and approved by the RPMs for drilling and sampling. These locations were chosen because of similarities in surface soil type as compared to the LEHR site and because of easy access. Data collected from six (6) previously drilled background borings (Figure 3) showed little lateral variation at a given depth, both in terms of soil type and metals/radionuclide levels.

The background borings were drilled on October 6 through October 8, 1997 using 8.25-inch hollow-stem augers. Each borehole was continuously cored using a 3.5 in. diameter coring system to 40 ft depth. Soil types encountered in each boring were visually analyzed and logged using the USCS. Boring logs for the six background borings are presented in Appendix B2.

Soil chemical and radiological data from the previous background investigation show a bimodal distribution for some constituents, with the surface and 4 ft bgs samples having similar concentrations, and the 19 and 39 ft bgs samples having similar levels. Therefore, samples from the new borings were closely spaced between 4 and 19 ft to determine the depth (or depth range) that the concentration change occurs. Soil samples were collected from each borehole at the surface and at approximately 4, 8, 12, 16, 20, 30 and 40 ft bgs. The deepest sample from boring WA-1 was

approximately 37 ft bgs, however, because ground water was encountered below this depth. Approximately 1- to 1.5-ft intervals of core were required at each sampling interval to accommodate the chemical analyses and detection limits required. A total of 52 soil samples were collected, including 4 duplicate samples.

At the completion of the hollow-stem drilling, the boreholes were backfilled with neat cement grout. The grout was tremied from the bottom of the borehole to approximately 3 ft below grade so as to not interfere with any plowing or other agricultural operations in the future. The upper 3 ft of each borehole was backfilled with cuttings collected while drilling. Excess cuttings generated from hollow-stem augering were screened in the field for VOCs using an organic vapor meter. Given that no VOCs were detected in these cuttings, the cuttings were spread out adjacent to their point of origin.

2.2.2 Sample Analysis

The 52 samples were analyzed for selected radionuclides and metals, using the low detection limits shown in Appendix C3. In addition, the 5 samples from 0, 4, 12, 20, and 40 ft bgs in each borehole were analyzed for VOCs, SVOCs, and organochlorine pesticides. The results for all the background soil sample analyses are presented in Appendix C3 and discussed further in Section 3.4.

2.2.3 Statistical Analysis

A statistical analysis of existing and new background data was performed to identify any statistically significant differences between the two data sets described above and for depth/soil type variations. For those analytes with no significant differences between data sets, the previously established background levels (Weiss Associates, 1997b) were refined by combining the two data sets and recalculating the background level. Where significant differences between the old and new data sets were identified, the new data were used to calculate a new background level. The results of the new background statistical analysis are summarized in Section 3.4.

2.3 Off-Site Radium-226 Investigation

The major elements of the Off-Site Radium Investigation were:

- Conducting a surface gamma radiation survey;
- Collecting soil samples for analysis; and,
- Analyzing the samples for selected radionuclides and other constituents.

Each of these tasks is described below.

2.3.1 Surface Gamma Radiation Survey

On November 17, 1997, prior to sample collection, a surface gamma radiation survey was conducted using a Ludlum Model 2221 instrument with a Model 44-10 (2 in. x 2 in.) sodium iodide scintillator over the area shown on Figure 5. This area was delineated based on previous surface soil sample analytic results and observed surface water runoff patterns. A background level was first established by collecting 10 readings from each of three background locations, calculating the average reading for each of these locations, and then calculating the average of these three location averages. The highest gamma reading for each approximately 10 ft by 10 ft area of the storm water ditch was recorded. The results of this surface gamma survey are discussed in Section 3.5.

2.3.2 Sample Collection

On November 18, 1997, a total of fifteen soil samples were collected from eight locations (Figure 5) selected based on the gamma survey results. Surface (immediately below any vegetation/loose soil) samples were collected at each of the eight locations; and samples from 0.5 ft and 1.5 ft bgs were collected by hand-auger from the three locations with the highest surface gamma readings (locations A-2, A-5, and B-1). A duplicate sample was collected from the surface at location A-5.

2.3.3 Sample Analysis

All 15 samples collected during the ORI were analyzed for Sr-90 and Ra-226, and the surface samples from locations A-2, A-5, B-1, C-3, and C-8 were also analyzed for gross alpha, gross beta, tritium, C-14, Am-241, Pu-241, gamma emitters, VOCs, SVOCs, organochlorine pesticides, nitrate, and selected metals. Based on the previous sample results and LEHR's operational history, Ra-226 and Sr-90 were considered the most likely contaminants of concern for this area. However, these additional constituents are also potential contaminants of concern for the area based on their presence on the LEHR site at levels above background in one or more sample. The results are presented in Appendix C4 and discussed in Section 3.5. As discussed in Section 3.5, all samples not originally analyzed for Cs-137 were subsequently analyzed for this radionuclide based on its presence at elevated activities in the five samples originally analyzed.

3. SUMMARY OF SIGNIFICANT FINDINGS

All the DPI, BI, and ORI results are presented in the tables in Appendix C. This section summarizes the significant findings of these investigations.

3.1 Dog Pens Investigation – Phase A

As described in Section 2.1.1, Phase A of the Western Dog Pens Investigations consisted of: 1) reviewing available reports for information on Dog Pens operations; 2) interviewing former Dog Pens staff; 3) reviewing all previously collected Dog Pens chemical/radiological data; and, 4) conducting a reconnaissance gamma radiation survey over the entire surface of the Western Dog Pens Area. The results of each phase are described below.

3.1.1 Research and Interviews Regarding Historical Dog Pen Operations

Housing: The radionuclide-dosed dogs were kept indoors for a 30-day holding period, prior to moving to the outside pens (Goldman, 1997; U.S. Department of Energy [DOE] archived records), regardless of the dose level. Calculations made by Rosa, Gielow and Peterson in the 1963 LEHR Annual Report (DOE archived records) indicate that dogs were eliminating up to 0.23 μCi/48 hrs in feces and urine 28 days after Sr-90 exposure. The dogs placed in the outside pens were paired by sex; two male or two female dogs were placed in each pen (Ballard, 1997; Goldman, 1997; Hinz, 1997). Dogs which had received high radionuclide doses were not placed next to control dogs (Goldman, 1997), but the dogs were not otherwise segregated by dose level (Ballard, 1997; Goldman, 1997; Hinz, 1997). In general, dogs remained in the same pen for the duration of their lifespan, typically 10 to 12 years (Ballard, 1997; Goldman, 1997; Hinz, 1997).

Cleaning: Feces were removed from the pens daily, and urine percolated into the gravel (Ballard, 1997; Goldman, 1997; Hinz, 1997; DOE archived records). The gravel was removed periodically, and possibly disposed off-site (Ballard, 1997) or in the Southwest Trenches (Hinz, 1997). Available information indicates that feces were disposed of in the West Campus landfill and Southwest trenches.

Pesticides: Dogs were dipped in chlordane to control fleas until 1968, when excess exposure to chlordane apparently impacted the health of the dogs (DOE archived records). The dipping was apparently performed near the western boundary of the pens (Goldman, 1997; Hinz, 1997). It is not clear where the pesticide was stored, whether it was kept in a liquid or powder form, or where the dipping fluid was disposed after use. Chlordane was also sprayed in and around the pens, particularly near the southern edge of the pens because flea-bearing rodents were believed to be more

plentiful south of the dog pens than in other directions due to the proximity of Putah Creek (Ballard, 1997).

3.1.2 Review of Previously Collected Data

The review of previously collected Western Dog Pens data focused on Ra-226, Sr-90, and chlordane analytical results, as they were considered the primary contaminants of concern (COCs) in the Western Dog Pens Area. Figures A-1 through A-4 summarizing these data are presented in Appendix A. Based on the 1994 Dog Pens sample results, with some consideration of the 1990 and 1996 results, the following conclusions were drawn:

1) Chlordane appeared to attenuate markedly with depth; no chlordane was detected in samples from 2.5 ft bgs and deeper, although there were only four locations (around the Cellular Biology Lab) where attenuation with depth was substantiated. Other pesticides (4,4-DDE and BHC) were detected in low concentrations at a few locations; no other organics were detected.

2) Four of the six surface samples collected around the Cellular Biology Lab in 1994 contained detectable chlordane ranging from 0.077 to 0.49 milligrams per kilogram (mg/kg). All 15 of the surface samples analyzed in 1996 contained detectable chlordane ranging from 0.005 to 15 mg/kg. With the exception of the 15 mg/kg, the 1996 chlordane results for surface samples were similar to those for the 1994 surface samples. Based on these data, there was no obvious pattern to the lateral concentration distribution. Chlordane in surface and near surface samples collected in 1990 ranged from not detected at 0.001 mg/kg to 0.48 mg/kg.

3) Only two of the 30 samples analyzed for Ra-226 in 1994 showed activities significantly above background, (1.82 and 5.11 pCi/g both near the center of the Western Dog Pens, one from approximately 6 ft bgs and the other from approximately 20 ft bgs. Two of the 1996 surface samples contained Ra-226 activities approximately two times background; both were on the perimeter of the Western Dog Pens area. None of the 1990 dog pen samples had activities above background.

4) 1994 Sr-90 data indicated no activities greater than approximately two times background, and showed no obvious trend laterally or with depth. 1996 surface data showed significantly higher Sr-90 activities than those detected in 1994, and 1990 data generally showed lower activities. The 1996 Sr-90 data are considered suspect because of an analytical laboratory problem specific to Sr-90 analyses during this time period (Weiss Associates, 1997a).

5) C-14 was detected significantly above background in 14 of the 30 samples collected in 1994, at depths ranging from 0 to 11 ft bgs. A number of other radionuclides, including Cs-137 and tritium, were detected above background in shallow dog pen samples from the 1990, 1994 and/or 1996 investigations.

6) Nitrate was detected slightly above background in a number of Western Dog Pen samples from 1994 (up to 59 mg/kg) and from 1990 (up to 168 mg/kg). Nitrate was not analyzed in 1996 samples. In general, higher nitrate concentrations were found in those samples collected from the northern half of the Western Dog Pens.

Comparing all these previous analytic results from the Western Dog Pens to the RBASs proposed for the LEHR site (Weiss Associates, 1997b) suggested that chlordane, Ra-226, and Cs-137 are the primary contaminants of concern in this area. The maximum levels of most constituents detected in the Dog Pens soil were less than the RBASs for a 10^{-6} excess cancer risk; and only chlordane and Ra-226 were detected at levels greater than two times the 10^{-6} RBAS. Two of the 37 Western Dog Pens surface sampling locations from all previous investigations showed chlordane above the 10^{-6} RBAS, 10 of these locations showed Ra-226 above its 10^{-6} RBAS, and 8 of these locations showed Cs-137 above its 10^{-6} RBAS. Ra-226 was also detected above the 10^{-6} RBAS in 11 of 30 pre-DPI samples collected from depths greater than 2.5 ft bgs, at a maximum depth of 20.75 ft bgs.

In general, there was no clear correlation between the 1996 alpha and gamma field radiation levels and the soil radionuclide activities measured under the dog pen pedestals (Weiss Associates, 1997a). However, the gamma and alpha radiation field readings did appear to be good indicators of Ra-226 above the RBAS. Nine of the 12 soil samples collected from areas of significant gamma and alpha radiation field readings had Ra-226 activities above the RBAS, while only two of the 12 samples collected from areas of background field readings had Ra-226 activities above the RBAS.

3.1.3 Reconnaissance Surface Radiation Survey

The gamma radiation survey results are presented in Appendix A, Table A-1. As shown in this table, the highest readings in most of the dog pens slightly exceeded the established background of 394 counts per second (cps). However, only a few pens showed readings greater than 450 cps. These pens are shown on Figure A-5 of Appendix A.

3.1.4 Synthesis of Phase A Data and Selection of Pens for Phase B Sampling

Based on the Phase A data, the pens were divided into four strata based on indications about chlordane levels and three strata based on indications about Ra-226 levels (Figure A-6). An RNG was used to select 12 dog pens from within the fenced area to represent these strata (Figure 4). In addition, one former dog pen east of the Cellular Biology Lab and a location at the east end of Row D with indications of elevated Ra-226 were also selected for sampling (Figure 4).

3.2 Dog Pens Investigation – Phase B

As described in Section 2.1.2, Phase B consisted of: 1) a detailed gamma survey of the gravel surface of 12 selected dog pens based on Phase A results; 2) collecting and analyzing surface gravel samples from select pens based on the gamma survey results; 3) removing and stockpiling the gravel and performing a detailed gamma survey on the exposed soil surface; and, 4) collecting and analyzing surface soil samples from selected pens based on the gamma survey results and existing data. A total of 46 gravel and 75 soil samples were collected during Phase B and analyzed by GEL

for selected radionuclides, organochlorine pesticides, mercury, hexavalent chromium, and nitrate. In addition to the 12 selected pens, samples were collected from a former pen location east of the Cellular Biology Lab and at the eastern end of dog pen Row D (Figure 10) based on the field gamma readings. All Phase B sample locations, surface gamma readings, Ra-226 results and chlordane results for both soil and gravel are depicted on Figures 6 through 9. The most significant (i.e., highest chlordane concentration and highest radionuclide activities for those exceeding two times background for each pen) Phase B surface soil results are presented on Figure 10. All Phase B analytical results are presented in Appendix C1.

DPI Phase B data indicate that:

- Alpha- plus gamma-chlordane was detected in all but seven gravel samples in concentrations from 0.0003 mg/kg (or 0.3 µg/kg) to 0.099 mg/kg, and in all soil samples in concentrations from 0.014 to 2.2 mg/kg; only the soil sample with 2.2 mg/kg, which was collected in pen E-7, exceeded the 0.78 mg/kg 10^{-6} RBAS. However, based on sample chromatograms, it is estimated that alpha- and gamma-chlordanes account for only approximately 50% or more of the total chlordanes present. Therefore, soil samples with alpha- and gamma-chlordane concentrations of 0.39 mg/kg or higher may contain total chlordanes above the 0.78 mg/kg RBAS. Given this, two other Phase B soil samples contained chlordane at levels that might exceed the RBAS: one from pen G-32 at 0.49 mg/kg alpha- plus gamma-chlordane; and one from pen D-25 at 0.77 mg/kg.

- The pesticides 4,4'-DDD and 4,4'-DDT were detected at trace concentrations (0.004 mg/kg or less) in several gravel samples. 4,4'-DDD, 4,4'-DDE, 4,4'-DDT, heptachlor and/or heptachlor epoxide were detected at trace concentrations (0.021 mg/kg or less) in many of the surface soil samples.

- Inorganic constituent levels were representative of background (as defined in Tables 1 and 2), with the exception of:

Constituent	Media	Soil Background[1]	Number of Samples Above Background	Detections >2x Background Maximum Detected (pen ID for maximum)
Ra-226	Gravel	0.75 pCi/g	12 out of 46[1]	1 of 46 - 1.94 pCi/g (C-32)
Ra-226	Soil	0.75 pCi/g	9 out of 75	1 of 75 - 1.88 pCi/g (H-32)
Strontium-90	Gravel	0.056 pCi/g	4 out of 46[1]	4 of 46 – maximum of 3.59 pCi/g (C-32)
Cesium-137	Soil	0.012 pCi/g (consolidated) 0.043 pCi/g (surface)	39 out of 75 (consolidated) 24 out of 75 (surface)	36 of 75 (consolidated), 5 of 75 (surface) – maximum of 0.115 pCi/g (D-25); 0.113 pCi/g (G-32)
Thorium-234	Soil	0.78 pCi/g	18 out of 75	2 of 75 – 1.6 pCi/g (H-32); 1.62 pCi/g (D-20)
Uranium-238	Gravel	0.65 pCi/g	6 out of 46[1]	None
Uranium-238	Soil	0.65 pCi/g	23 out of 75	7 of 75 – maximum of 1.62 pCi/g (D-20)

Constituent	Media	Soil Background[1]	Number of Samples Above Background	Detections >2x Background Maximum Detected (pen ID for maximum)
Mercury	Soil	0.63 mg/kg (consolidated) 0.99 mg/kg (surface)	46 out of 75 (consolidated) 16 out of 75 (surface)	3 of 75 (consolidated), 1 of 75 (surface) – maximum of 2 mg/kg (G-32)
Hexavalent Cr	Gravel	0.054 mg/kg	42 out of 46[1]	40 of 46 – maximum of 0.451 mg/kg (D-25)
Hexavalent Cr	Soil	0.054 mg/kg	13 out of 75	6 of 75 – 0.837 mg/kg (H-30); 0.325 mg/kg (H-30).

[1]Background level is for local soil and may not be appropriate for comparison with Dog Pen gravel, which is imported.

- Of these inorganic constituents, only Ra-226, mercury, and Cs-137 exceed the 10^{-6} RBAS; for Ra-226 and mercury the 10^{-6} RBAS is defined as background, therefore all activities above background are also above the RBAS; for Cs-137 the 10^{-6} RBAS is 0.1 pCi/g, and only 2 of the Phase B soil samples exceeded this activity.

- Identified "hot spots" were of very limited lateral extent (as small as 1.2 ft radius or less).

- There is no discernable intra-pen or inter-pen pattern to the elevated concentration distribution.

- No correlation is evident between surface gravel elevated concentrations and radionuclide activities and/or organochlorine and metals concentrations reported in soil directly underlying the surface gravel elevated concentrations.

- The field survey gamma readings ranged from 5,300 to 8,000 cpm for the gravel and 6,000 to 8,500 cpm for the surface soil. There is no correlation between field recorded gamma activities and laboratory reported Ra-226 activities. There is also no clear correlation between the field readings and the laboratory reported Cs-137 or other gamma emitter activities.

- Approximately 2-ft wide and 2-ft deep gravel-filled trenches apparently run east-west across the southern end of dog pen rows A through D, pens 17 through 32 (see Figures 8 and 9). Based on available drawings, these trenches apparently contained conveyance piping for water used to spray the dogs, were the low point of the pen and served as infiltration areas, but were not sloped for east-west drainage.

The Phase B results indicated that surface "hot spots" of Ra-226 (defined here as activities greater than two times background, or approximately 1.5 pCi/g) and chlordane (defined here as concentrations greater than 0.78 mg/kg) are few and of very limited lateral extent. Samples adjacent to the identified elevated concentrations were located as close as 1.2 ft from the "hot spot". In all cases, samples adjacent to elevated concentrations had Ra-226 levels below background and/or

chlordane concentrations at least an order of magnitude lower than the elevated concentration. Therefore, based on the Phase B results, "hot spots" of 1.2-ft radius or smaller may be present throughout the Western Dog Pens.

3.3 Dog Pens Investigation – Phase C

As described in Section 2.1.3, Phase C consisted of: 1) collecting 5 samples each (plus 6 duplicates) from 20 soil borings located in 20 different dog pens; 2) collecting 6 (plus one duplicate) grab ground water samples from 6 of the 20 boreholes; 3) analyzing all soil samples for selected radionuclides, organochlorine pesticides, mercury, nitrate, and hexavalent chromium; 4) analyzing selected soil samples for ammonia, organic nitrogen, TOC, and total chromium; and, 5) analyzing all ground water samples for Sr-90, Ra-226, gross alpha, gross beta, mercury, nitrate, ammonia, organic nitrogen, TOC, total chromium, and hexavalent chromium. All Phase C data are presented in Appendix C2, and significant findings (i.e., radionuclides, metals, and nitrate levels greater than two times background, and organic compound concentrations greater than the detection limits) are presented on Figure 11.

DPI Phase C soil data indicate that:

- Alpha- plus gamma-chlordane was detected in all but two of the surface soil samples at concentrations ranging from less than 0.001 mg/kg to 0.81 mg/kg. Only the 0.81 mg/kg total chlordane result for the surface sample from pen C-15 exceeded 0.78 mg/kg, the lowest 10^{-6} RBAS. This was also the only result exceeding half the RBAS level; therefore, given that alpha- and gamma-chlordanes probably makes up at least 50% of the total chlordanes (see Section 3.2), this is the only result likely to exceed the RBAS. The range of chlordane concentrations detected in Phase C surface soil samples falls within the range detected in surface soil samples from DPI-Phase B. The greater than 1 mg/kg concentrations detected in 1996 samples from pens C-15 and G-13 were not confirmed by the Phase C sampling.

- Consistent with previous investigations, chlordane concentrations attenuated markedly with depth, and chlordane was below the detection limit in all of the soil samples collected greater than 2 ft bgs.

- Other pesticides detected at trace concentrations (0.02 mg/kg or less) include 4,4'-DDE, 4,4'-DDT, and heptachlor epoxide. These trace concentrations were detected primarily in samples from the surface and 2 ft bgs.

- Ra-226 was below background (0.75 pCi/g) in all 106 Phase C soil samples. The elevated Ra-226 detected at depth in the previous samples (see Section 2.1.3.1) was not confirmed by the Phase C sampling.

- Radionuclides detected above background include Sr-90, Cs-137, C-14, Th-234, Uranium-235 (U-235), U-238, and Pb-210:

- Sr-90 was detected above two times background (i.e., 0.112 pCi/g) in 4 of the 106 samples, at a maximum activity of 0.71 pCi/g in the 25 ft bgs sample from pen G-22.

- Cs-137 was detected above two times background (i.e., 0.024 pCi/g) in 8 of the 106 samples, at a maximum activity of 0.072 pCi/g in the surface sample from pen G-22. As discussed in Section 3.4, Cs-137 is one of several COCs with higher background levels in surface soils than in subsurface soils. Because of this, a separate surface background level was calculated for Cs-137. This surface background level is 0.043 pCi/g, and only 2 of the 106 Phase C samples exceeded this level.

- C-14 was detected above two times background (i.e., 0.26 pCi/g) in 4 of the 106 samples, at a maximum activity of 2.02 pCi/g in the 2 ft bgs sample from pen E-2.

- Th-234 was detected above two times background (i.e., 1.56 pCi/g) in 5 of the 106 samples, at a maximum activity of 2.4 pCi/g in the 25 ft bgs sample from pen C-15.

- U-235 was detected above two times background (i.e., 0.078 pCi/g) in 8 of the 106 samples, at a maximum activity of 0.317 pCi/g in the 8 ft bgs sample from pen G-12. U-238 was detected above two times background (i.e., 1.3 pCi/g) in 9 of the 106 samples, at a maximum activity of 2.4 pCi/g in the 25 ft bgs sample from pen C-15.

- Pb-210 was detected above two times background (i.e., 3.2 pCi/g) in 1 of the 106 samples, at an activity of 4.53 pCi/g in the 15 ft bgs sample from pen J-24.

- None of these Phase C radionuclide activities exceed their respective 10^{-6} RBAS.

- There is no apparent pattern to the distribution of any of these radionuclides.

- Hexavalent chromium was detected at concentrations exceeding two times background (i.e., 0.108 mg/kg) at one or more sampling depths from 17 of the 20 pens. The maximum concentration detected was 1.02 mg/kg in the surface sample from pen C-15; all detections were below the 3.8 mg/kg lowest 10^{-6} RBAS. No pattern of hexavalent chromium concentration with depth is apparent. Total chromium was slightly above background (187 to 273 mg/kg versus the 181 mg/kg background) in four of the 2 ft bgs samples and one of the surface samples.

- Mercury was detected at concentrations exceeding two times background (i.e., 1.26 mg/kg) in samples from 10 of the 20 pens. The maximum concentration detected was 3.7 mg/kg in the surface sample from pen H-19. For mercury, the 10^{-6} RBAS is defined as background. As discussed in Section 3.4, mercury is one of several COCs with higher naturally-occurring background level in surface soils than in subsurface soils.

Because of this, a separate surface background level was calculated for mercury. This surface background level is 0.99 mg/kg, compared to 0.63 mg/kg for the consolidated background level. The surface and/or 2 ft bgs samples in 14 of the 20 pens contained mercury at concentrations exceeding the surface background level. With the exception of a 1.7 mg/kg concentration at 20 ft bgs in pen F-24, the mercury concentrations above background were detected in samples from the surface or 2 ft bgs.

- All nitrate concentrations were below background. Organic nitrogen concentrations ranged from 70 mg/kg in the surface sample from pen C-15 and the 2 ft bgs sample from pen J-24 to 1,210 mg/kg in the surface sample from A-14, with no apparent concentration trend with depth. Ammonia concentrations ranged from not detected at 1 mg/kg in several samples to 50 mg/kg in the surface sample from F-26, with concentrations generally higher in the surface samples. TOC concentrations ranged from 352 mg/kg in the 20 ft bgs sample from F-26 to 51,400 mg/kg in the 25 ft bgs sample from H-32. Although there is no clear TOC concentration pattern with depth, the two highest TOC concentrations measured were in the deepest samples (from 25 ft bgs).

DPI Phase C ground water data indicate that:

- Sr-90 was not detected in any of the seven grab ground water samples.
- Ra-226 was detected in 4 of the 7 samples, at a maximum activity of 0.97 pCi/L, which is similar to recent activities detected in ground water from upgradient well UCD1-4 (Weiss Associates, 1997d). The Ra-226 MCL is 5 pCi/L.
- Mercury was not detected in any of the samples; total chromium was detected in all samples at concentrations ranging from 0.003 mg/L to 0.041 mg/L; and, hexavalent chromium was detected in 5 of the 7 samples at a maximum concentration of 0.034 mg/L. These metals concentrations are similar to those recently detected in upgradient wells UCD1-4 and UCD1-18 (Weiss Associates, 1997d), and are below the 0.050 mg/L MCL for hexavalent chromium.
- Nitrate was detected in all samples at concentrations ranging from 2.54 mg/L to 78.6 mg/L. Four of these nitrate concentrations are elevated relative to recent concentrations detected in upgradient wells UCD1-4 and UCD1-18, which are typically around 10 mg/L (Weiss Associates, 1997d). The MCL for nitrate is also 10 mg/L.
- Ammonia was not detected in any of the samples, total organic nitrogen was detected at 0.08 mg/L to 0.61 mg/L, and TOC was detected at 1.36 mg/L to 9.52 mg/L. These concentrations are similar to those detected recently in upgradient wells (Weiss Associates, 1997d).

- There is no apparent correlation between constituent concentrations in ground water and concentrations in the immediately overlying soil.

3.4 Background Investigation

The results for the 52 soil samples collected from the six background borings drilled in October 1997 for the BI are presented in Appendix C3. As described in Section 2.2, all samples were analyzed for selected radionuclides and metals, and 5 samples from each boring were also analyzed for SVOCs, VOCs, and pesticides.

As discussed in Section 2.2, the six background borings drilled during the October 1997 BI were sampled and analyzed to supplement data from the six background borings drilled by Dames & Moore in 1994. As described in detail in Appendix C of the *Draft Work Plan for Removal Actions in the Southwest Trenches, Ra/Sr Treatment Systems, and Domestic Septic System Areas* (Weiss Associates, 1998b), the radionuclide and metals results from both the 1994 and 1997 BI borings were statistically analyzed and levels representative of background were calculated for each inorganic constituent of concern. These background levels represent the 80% lower confidence limit (LCL) of the 95th percentile for each constituent's data set. In most cases, the data sets included both the 1994 and 1997 results. However, in some cases only 1994 or only 1997 data were available, and in some cases the consolidation of the 1994 and 1997 data was not appropriate because of statistically significant differences, in which case only the 1997 data were used.

These new background levels are presented in Tables 1 and 2, along with the previous background levels used in the *Draft Final RBAS Report* (Weiss Associates, 1997b) for comparison. Also shown in these tables are separate background levels calculated for clay/clayey-silt and sand/sandy-silt for those constituents that showed statistically significant differences based on soil type. In the cases of mercury and Cs-137, it was noted that surface (0 ft bgs) background levels were statistically significantly higher than subsurface (4 to 40 ft bgs) background levels. Therefore, separate surface soil background levels were calculated for these two constituents. These surface background levels were calculated to be 0.99 mg/kg for mercury and 0.043 pCi/g for Cs-137.

As shown on Tables 1 and 2, most new background levels differ only slightly from the previous background levels, by a factor of two or less. One notable exception is the new background level for Sr-90, which is 0.056 pCi/g, significantly lower than the previous background level of 0.36 pCi/g. The new background data are believed to be more accurate than the 1994 data because longer count times were used to achieve lower detection limits and better accuracy.

As shown in Appendix C3, trace concentrations of pesticides were detected in many of the 1997 BI soil samples. However, most of them were below the practical quantitation limit (PQL). The only detections above the PQLs were in the 4.5 ft bgs sample from boring WA-2, the 22.5 ft bgs sample from boring WA-3, and the 0.5, 4.5 and 40.5 ft bgs samples from boring WA-4. These included alpha- plus gamma-chlordane up to 8 µg/kg in three of these samples, 4,4'-DDT up to 10 µg/kg in three of these samples, 4,4'-DDD at 4.3 µg/kg in one sample, and delta-BHC at 2.4 µg/kg in

one sample. No other organic constituents were detected in the 1997 BI borings in concentrations greater than the PQL.

3.5 Off-Site Radium-226 Investigation

The surface gamma survey readings in this area ranged from below background (defined as 6,550 cpm) to 7,400 cpm. The 8 soil sampling locations were selected (Figure 5) to cover the area of interest based on the gamma readings. Gamma readings at the soil sampling locations ranged from slightly above background (6,700 cpm) at location A-11 to the highest reading recorded (7,400 cpm) at location A-5.

The results of the ORI soil sampling are presented in Appendix C4, and are summarized on Figure 5. Ra-226 slightly exceeded the 0.75 pCi/g background activity in the surface and 0.5 ft bgs samples from location B-1 and in the surface sample from location A-2. The maximum Ra-226 activity detected in these samples was 1.28 pCi/g, less than two times the background level. Other radionuclides detected slightly above background in one or more samples include Bi-212, Bi-214, Cs-137, and Pb-214. Of these, the only radionuclides exceeding two times background were Bi-214 at 1.66 pCi/g in one sample, Cs-137 at up to 0.32 pCi/g in five samples, and Pb-214 at 1.82 pCi/g in one sample. There was no clear correlation between the field gamma readings and the laboratory results for gamma emitters.

Arsenic, total chromium, mercury, and nitrate were detected slightly above background in one or two surface samples. Of these, the only detections exceeding two times background were total chromium at 705 mg/kg (background is 181 mg/kg) and mercury at 1.8 mg/kg (background is 0.59 mg/kg) in the surface sample from location B-1.

Pesticides were detected at low concentrations in all five of the surface samples that were analyzed for pesticides. Alpha- plus gamma-chlordane was detected in surface samples from locations A-2, B-1, C-3 and C-8, at a maximum concentration of 98.5 µg/kg at C-8. 4,4-DDT was detected at locations A-2, A-5, B-1, C-3 and C-8, at a maximum concentration of 52.4 µg/kg at A-2, and 4,4-DDE was detected at locations A-2, A-5, and C-8, at a maximum concentration of 8.1 µg/kg at C-8.

Because Cs-137 was detected above two times the surface soil background in four of the five ORI samples for which it was analyzed, all 15 ORI samples were recently analyzed for Cs-137. As shown on Table 3, these "confirmation" Cs-137 results indicate: 1) the five initial results discussed above are valid; 2) the activities measured in the other four surface samples are also above two times surface soil background; 3) the activities measured in eight of the nine surface samples exceed the 0.1 pCi/g 10^{-6} RBAS; 4) the activities measured in the three samples from 0.5 ft are lower than in the overlying surface sample, but two of the three still exceed two times the surface soil background and the 10^{-6} RBAS; and, 5) the activities in the three samples from 1.5 ft bgs are all below two times background and the 10^{-6} RBAS.

4. CONCLUSIONS AND RECOMMENDATIONS

4.1 Dog Pens Investigation

Significant findings of DPI Phases A through C are:

Gravel: Alpha- plus gamma-chlordane was detected in most gravel samples at trace levels (0.099 mg/kg or less). Radionuclides and metals levels in gravel are generally similar to those in background soils; however, no gravel-specific background levels have been determined, so the significance of these results has not been determined. A study to define background levels for this gravel is currently under way.

Surface soil: Alpha- plus gamma-chlordane was detected in all but two surface samples in concentrations up to 2.2 mg/kg. Only 2 of the 96 surface soil samples analyzed contained chlordane in concentrations exceeding the 0.78 mg/kg 10^{-6} RBAS. Given that alpha- plus gamma-chlordane may constitute only 50% of the total chlordanes, two other samples may also have total chlordane levels exceeding the 0.78 mg/kg 10^{-6} RBAS. Radionuclides and metals detected above background include Ra-226, Cs-137, Sr-90, C-14, Th-234, U-238, hexavalent chromium, and mercury. Of these, only Cs-137 and mercury exceeded two times background in more than 10% of the samples, and only Cs-137, mercury, and Ra-226 exceed the 10^{-6} RBAS in any samples. The maximum Cs-137 activity measured was 0.115 pCi/g (surface soil background is 0.043 pCi/g and the 10^{-6} RBAS is 0.1 pCi/g) and the maximum mercury concentration was 3.7 mg/kg (surface soil background and the 10^{-6} RBAS are 0.99 mg/kg). Based on DPI and previous data, surface soil "hot spots" are: 1) of limited number and very limited lateral extent (as small as 1.2-ft radius or less); 2) show no predictable inter- or intra-pen pattern; and, 3) show no obvious relationship to contaminant levels in overlying gravel or to surface gamma readings.

Subsurface soil: Chlordane concentrations attenuate markedly with depth, and were below the quantitation limit in all of the soil samples collected from greater than 2 ft bgs. Mercury concentrations above background were also found almost exclusively in soil from 2 ft bgs or less. Radionuclides and metals detected above background in subsurface soils include Sr-90, Cs-137, C-14, Th-234, U-235, U-238, Pb-210, and hexavalent chromium. No radionuclide was detected at greater than two times background in more than 10% of the subsurface samples, and no subsurface samples had Ra-226 activities greater than background. No radionuclides in the subsurface exceeded their respective 10^{-6} RBAS, and there is no apparent pattern to the distribution of any of these radionuclides. Hexavalent chromium was detected at greater than two times background in one or more sampling depths from 17 of the 20 boreholes; however no relationship of concentration with depth was observed. The maximum concentration detected was 1.02 mg/kg (background is 0.054 mg/kg and the lowest 10^{-6} RBAS is 3.8 mg/kg) in a 20 ft bgs sample.

Ground water: Concentrations of all analytes in the ground water were similar to those detected recently in monitoring wells located upgradient of the Western Dog Pens Area, with the exception of nitrate concentrations in four of the seven grab ground water samples analyzed. The maximum nitrate concentration detected was 78.6 mg/L, compared with 10 to 15 mg/L typically detected in upgradient wells. There is no apparent correlation between concentrations in ground water and those in immediately overlying soil.

The DPI and all previous Western Dog Pen investigations provide sufficient information about the contaminant nature and extent so that remedial decisions can be made for the area. Therefore, the DPI objectives were met.

4.2 Background Investigation

In general, the previous and new refined background levels for radionuclides and metals differ by less than a factor of two. The background level for Sr-90 is one notable exception: the previous background level was 0.36 pCi/g, while the new refined background level is 0.056 pCi/g. Background levels for some constituents were statistically different for different soil types and for surface and subsurface soils. For these constituents, separate background levels were calculated for sand and for clay and in some cases for surface soils and for subsurface soils, in addition to the consolidated background level.

The BI and 1994 background investigation provided sufficient data to develop statistically valid background values for comparison with LEHR on-site analytic data. Therefore, the BI objectives were met.

4.3 Off-Site Radium-226 Investigation

Radionuclides and metals detected above background in ORI samples include: Ra-226, Cs-137, Bi-212, Bi-214, Pb-214, arsenic, total chromium, mercury, and nitrate. Of these, only Cs-137 levels exceeded two times background in more than one sample. Cs-137 was detected at greater than two times the surface soil background in 4 of the 5 surface samples for which it was initially analyzed. The maximum Cs-137 activity detected was 0.32 pCi/g, while the surface soil background level is 0.043 pCi/g. The 10^{-6} RBAS for Cs-137 is 0.1 pCi/g.

Because of these results, all 15 ORI samples were subsequently analyzed for Cs-137. Based on preliminary results of these analyses, the 5 initial Cs-137 results were confirmed, and 6 of the 10 other sample results exceeded two times the surface soil background and the 10^{-6} RBAS. The Cs-137 activities in the 3 samples collected from 0.5 ft bgs were all lower than those in the overlying surface sample, but 2 of the 3 still exceeded two times the surface soil background and the RBAS. All three samples collected from 1.5 ft bgs had Cs-137 activities below the surface soil background and the RBAS.

The objective of the ORI was to adequately characterize the lateral and vertical extent of contaminant impact to the storm water run-off trenches along Old Davis Road adjacent to the west of the LEHR site. Because Cs-137 was detected above two times surface soil background and the 10^{-6} RBAS in 8 of the 9 surface samples, the lateral extent of this impact has clearly not been adequately characterized. Results for the 6 samples collected from the subsurface indicate that Cs-137 attenuates rapidly with depth; however additional subsurface data may be needed to fully characterize the vertical distribution.

Therefore, additional investigations are required to determine the lateral and vertical extent and if possible the source of the Cs-137 impact. On June 1, 1998, a surface gamma survey using a Ludlum Model 2221 instrument with a Model 44-10 (2 inch X 2 inch) sodium-iodide scintillator was conducted on the area of the storm water run-off trench covered by the ORI, as well as the trench area stretching approximately 300 ft north from the ORI area on both the west and east sides of Old Davis Road. Based on the results of this survey, the trench area north of the ORI area is expected to have Cs-137 activities in surface soil that are similar to those in the ORI area. To confirm this, soil samples will be collected and analyzed on-site using a high-purity germanium (HPGe) detector, with some samples sent to an off-site laboratory for confirmation analysis. A work plan is currently being prepared and reviewed by DOE and the RPMs to address this additional characterization.

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6. ACKNOWLEDGEMENTS

The following LEHR Project Personnel worked on the Technical Report: Results of Western Dog Pens, Background, and Off-Site Investigations:

Name and Position	Responsibility
Michael Dresen DOE-OAK Program Manager, WA	Senior guidance and review, and quality assurance
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Salem Attiga Principal, EMS	Senior review
Mary Stallard LEHR Project Quality Assurance Manager, WA	Technical guidance and review, quality assurance
Jim D. Ponton Task Manager, WA	Project coordination, report writing
David Buckey Database Technician, WA	Database management
Craig Adams Graphics, WA	Graphics
Nerissa J. de Jesus Project Administrator, WA	Word processing and report coordination

FIGURES

Figure 1. Areas of Investigation, LEHR Site, UC Davis, California

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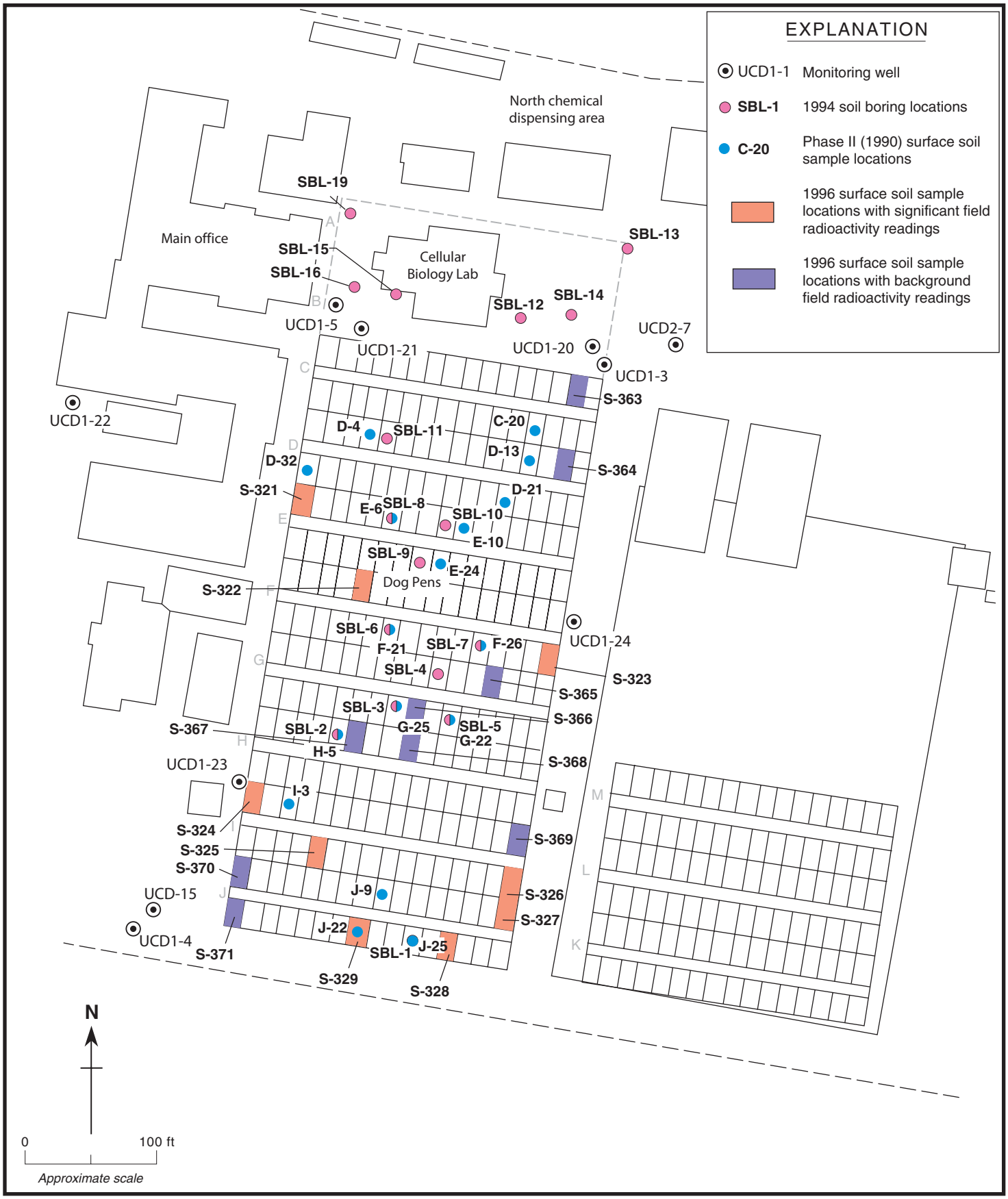

Figure 2. Pre–1997 Sample Locations in the Western Dog Pens Area, LEHR Site, UC Davis, California

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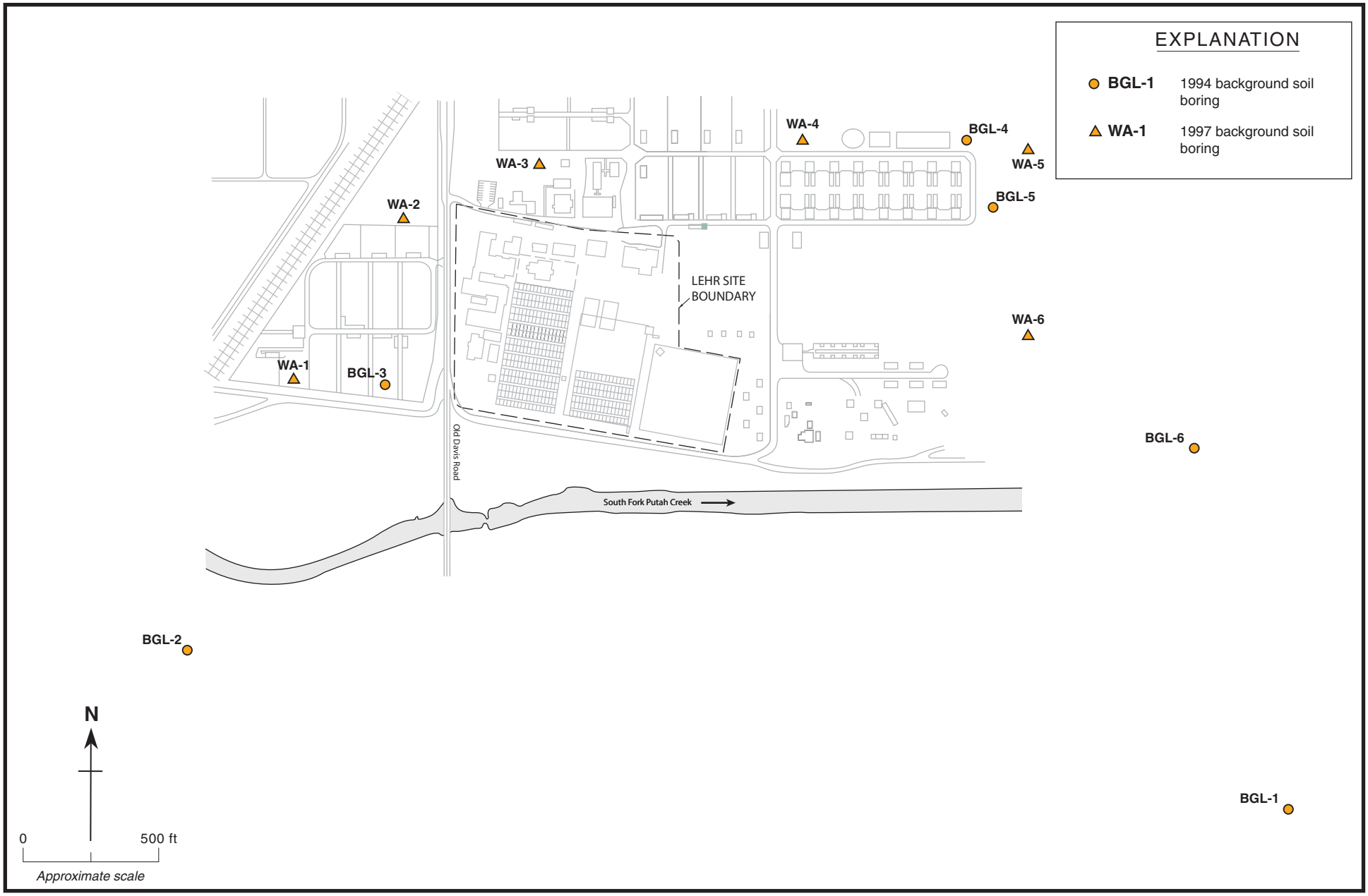

Figure 3. Background Investigation Soil Boring Locations, LEHR Site, UC Davis, California

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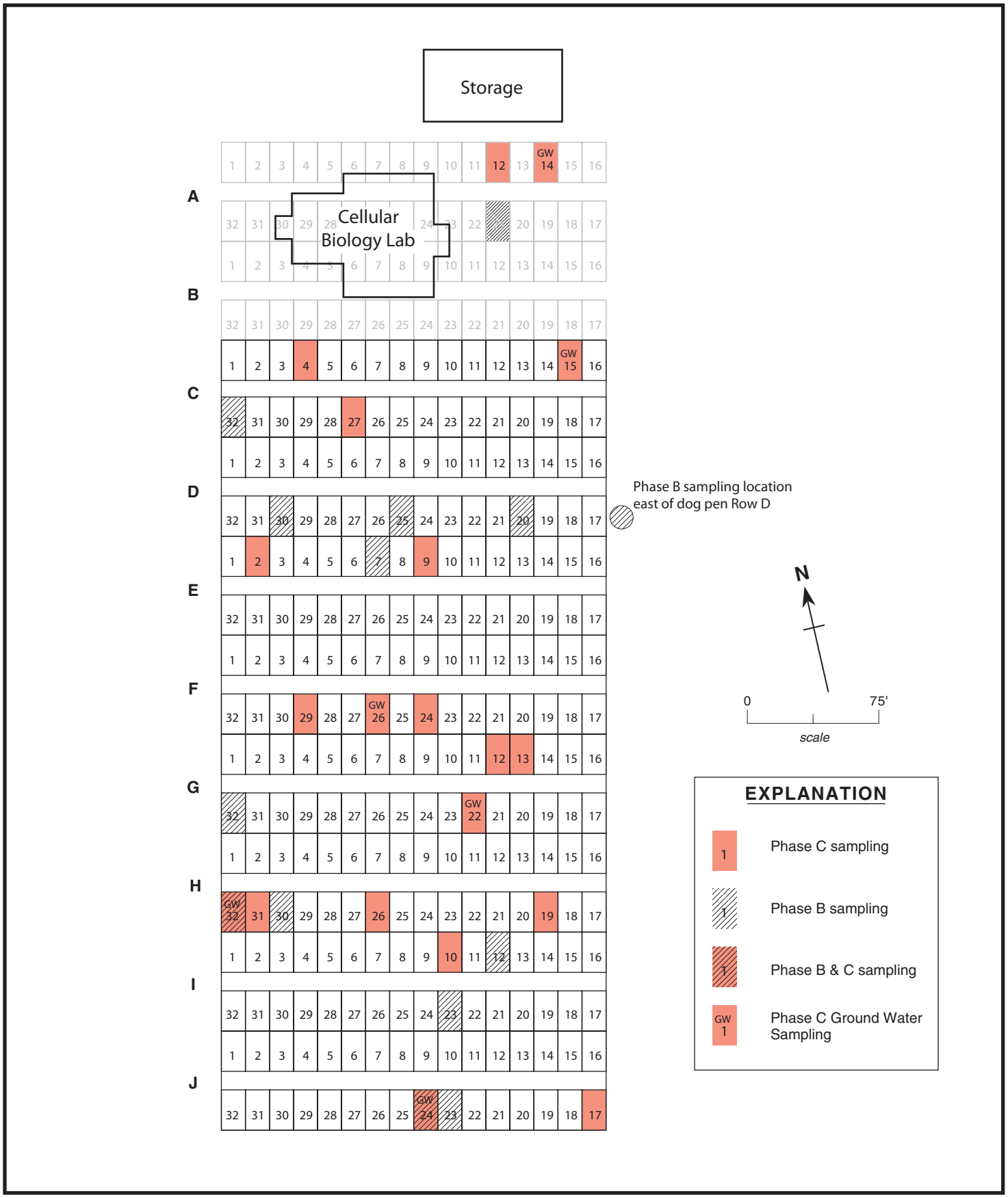

Figure 4. Western Dog Pens Selected for Phase B and Phase C Sampling - LEHR Site, UC Davis, California

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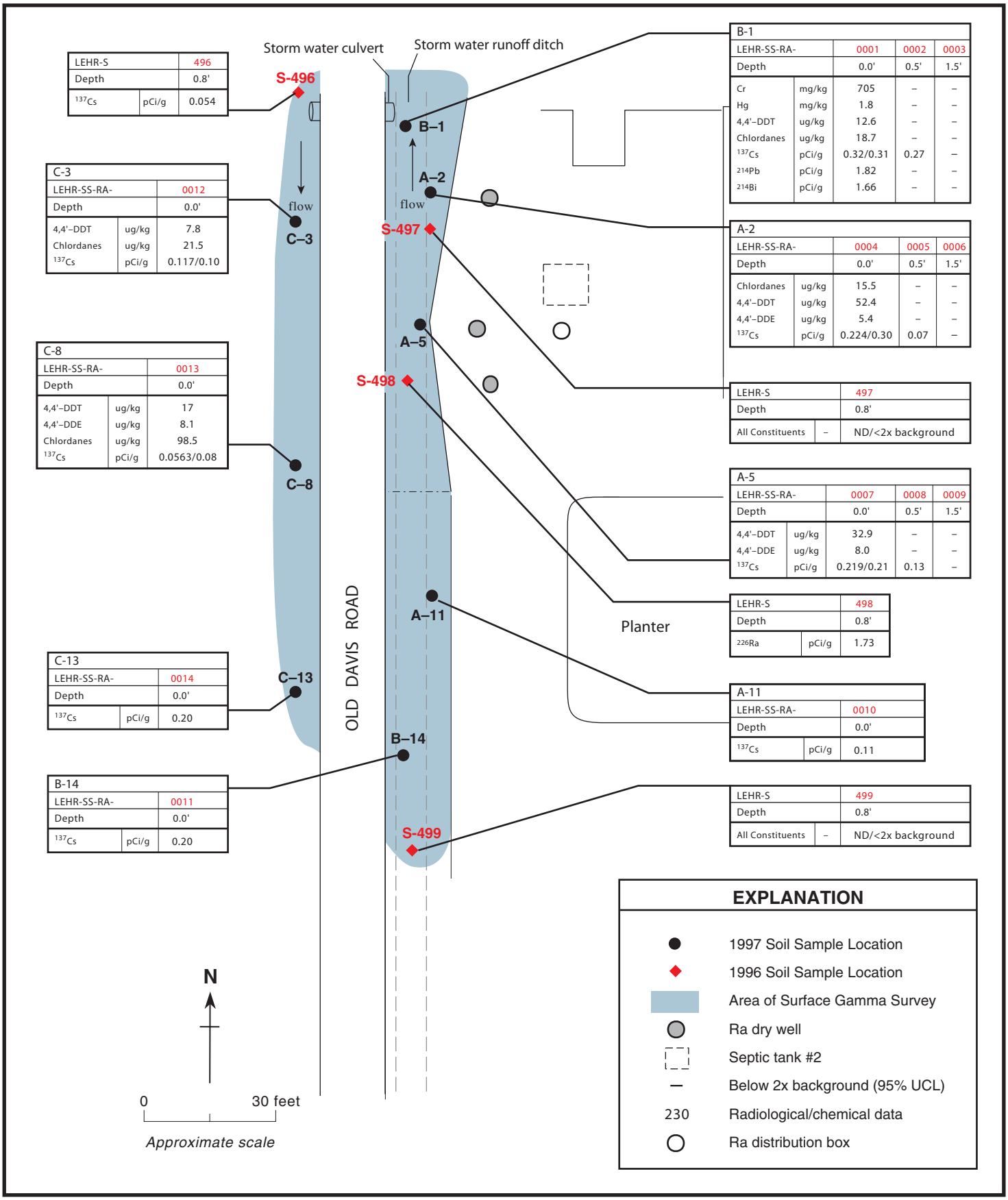

LEHR-S		496
Depth		0.8'
^{137}Cs	pCi/g	0.054

C-3		
LEHR-SS-RA-		0012
Depth		0.0'
4,4'–DDT	ug/kg	7.8
Chlordanes	ug/kg	21.5
^{137}Cs	pCi/g	0.117/0.10

C-8		
LEHR-SS-RA-		0013
Depth		0.0'
4,4'–DDT	ug/kg	17
4,4'–DDE	ug/kg	8.1
Chlordanes	ug/kg	98.5
^{137}Cs	pCi/g	0.0563/0.08

C-13		
LEHR-SS-RA-		0014
Depth		0.0'
^{137}Cs	pCi/g	0.20

B-14		
LEHR-SS-RA-		0011
Depth		0.0'
^{137}Cs	pCi/g	0.20

B-1				
LEHR-SS-RA-		0001	0002	0003
Depth		0.0'	0.5'	1.5'
Cr	mg/kg	705	–	–
Hg	mg/kg	1.8	–	–
4,4'–DDT	ug/kg	12.6	–	–
Chlordanes	ug/kg	18.7	–	–
^{137}Cs	pCi/g	0.32/0.31	0.27	–
^{214}Pb	pCi/g	1.82	–	–
^{214}Bi	pCi/g	1.66	–	–

A-2				
LEHR-SS-RA-		0004	0005	0006
Depth		0.0'	0.5'	1.5'
Chlordanes	ug/kg	15.5	–	–
4,4'–DDT	ug/kg	52.4	–	–
4,4'–DDE	ug/kg	5.4	–	–
^{137}Cs	pCi/g	0.224/0.30	0.07	–

LEHR-S		497
Depth		0.8'
All Constituents	–	ND/<2x background

A-5				
LEHR-SS-RA-		0007	0008	0009
Depth		0.0'	0.5'	1.5'
4,4'–DDT	ug/kg	32.9	–	–
4,4'–DDE	ug/kg	8.0	–	–
^{137}Cs	pCi/g	0.219/0.21	0.13	–

LEHR-S		498
Depth		0.8'
^{226}Ra	pCi/g	1.73

A-11		
LEHR-SS-RA-		0010
Depth		0.0'
^{137}Cs	pCi/g	0.11

LEHR-S		499
Depth		0.8'
All Constituents	–	ND/<2x background

Figure 5. Off-Site Radium–226 Investigation Sampling Locations and Summary of Significant Findings, LEHR Site, UC Davis, California

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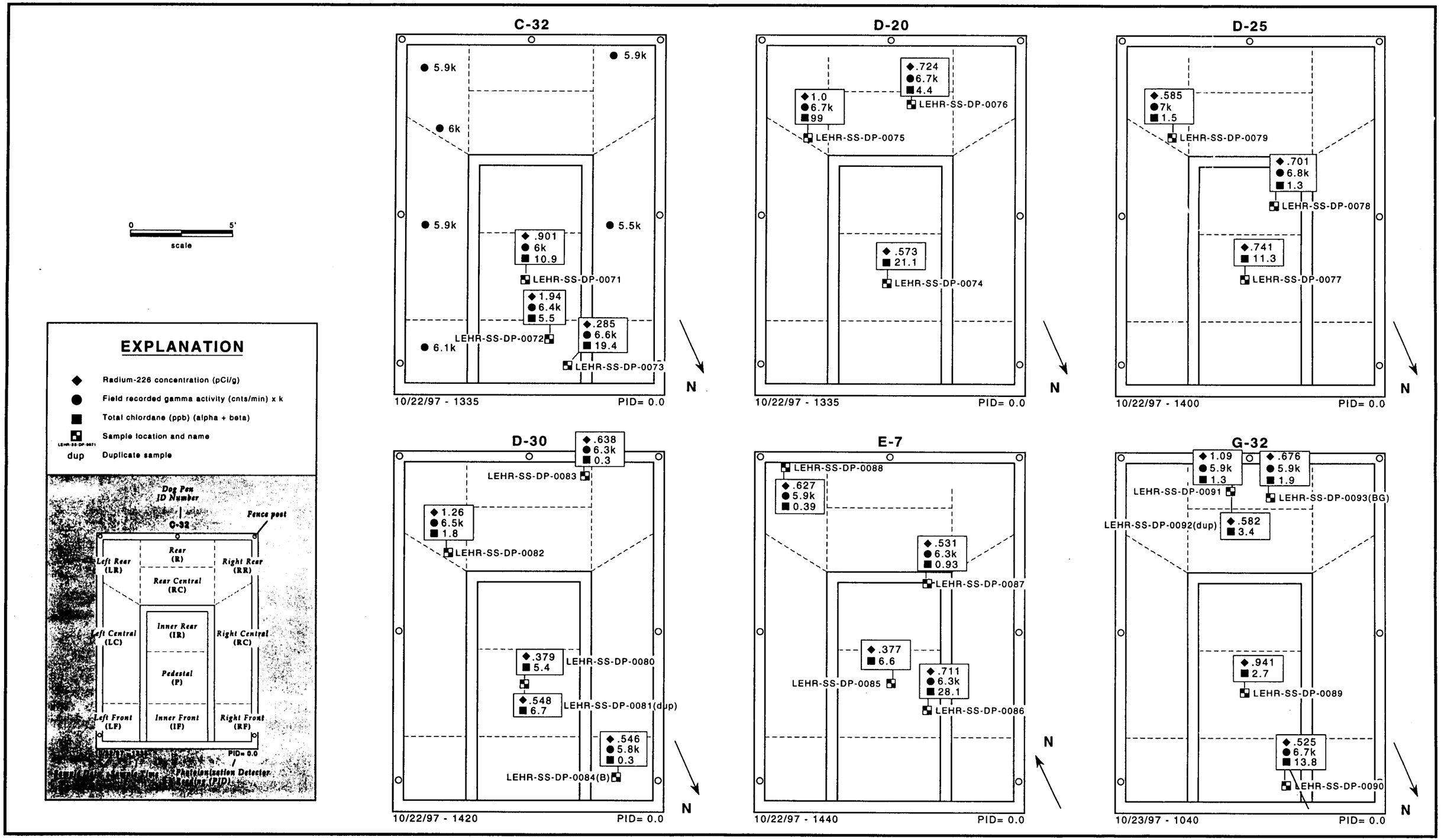

Figure 6. Western Dog Pens Phase B Surface Gravel Sampling Locations and Results, LEHR Site, UC Davis, California

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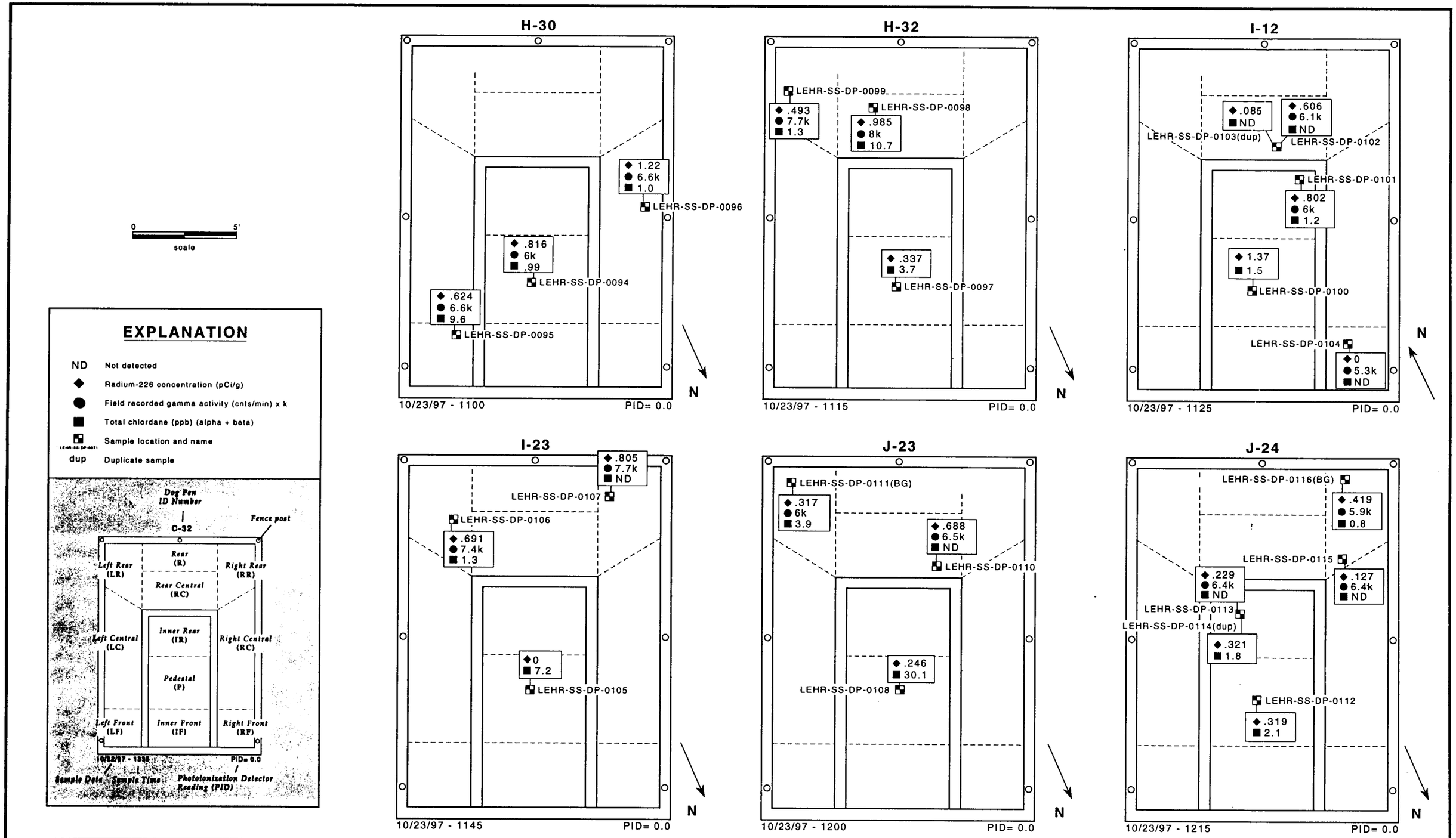

Figure 7. Western Dog Pens Phase B Surface Gravel Sampling Locations and Results, LEHR Site, UC Davis, California

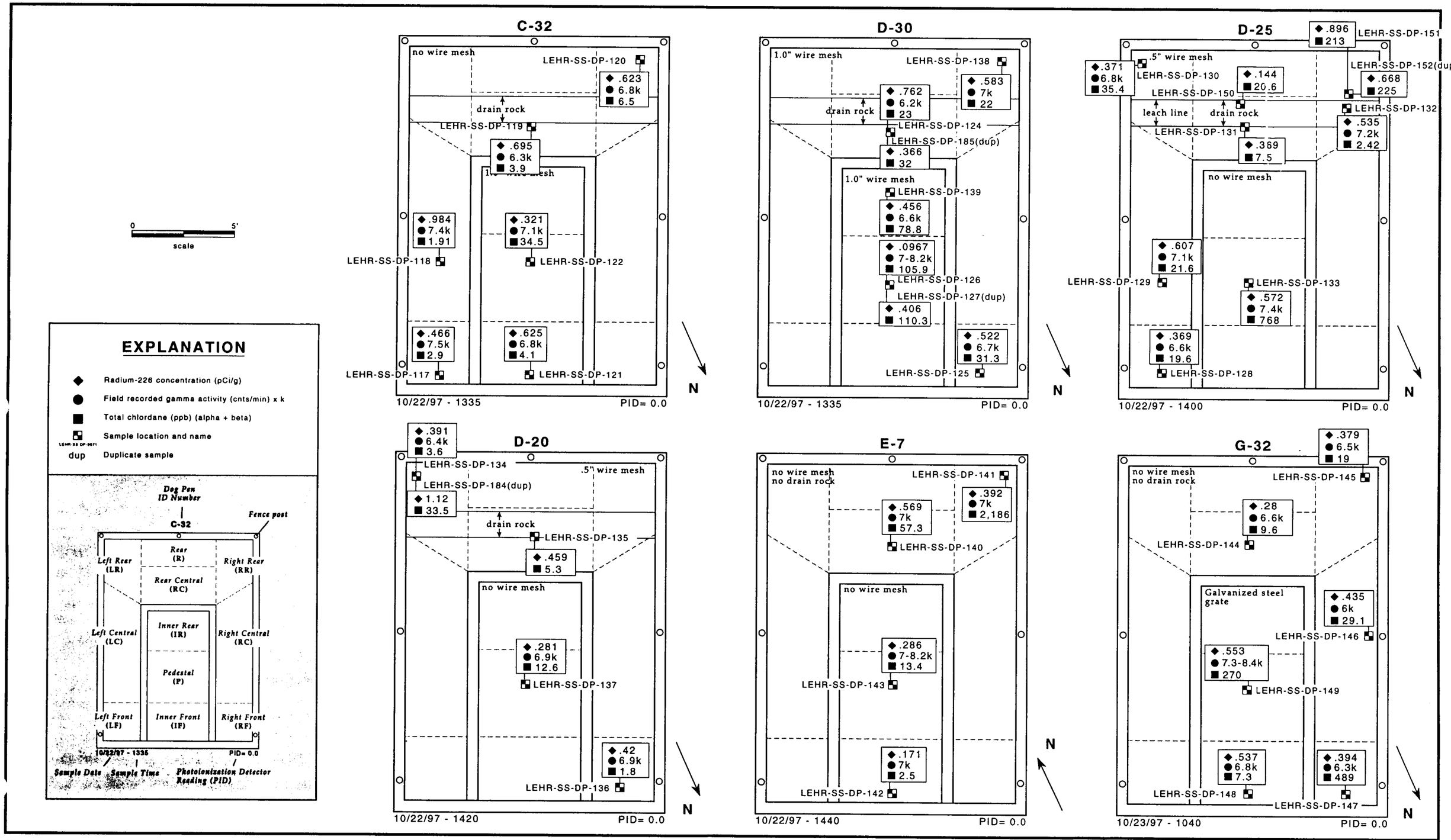

Figure 8. Western Dog Pens Phase B Surface Soil Sampling Locations and Results, LEHR Site, UC Davis, California

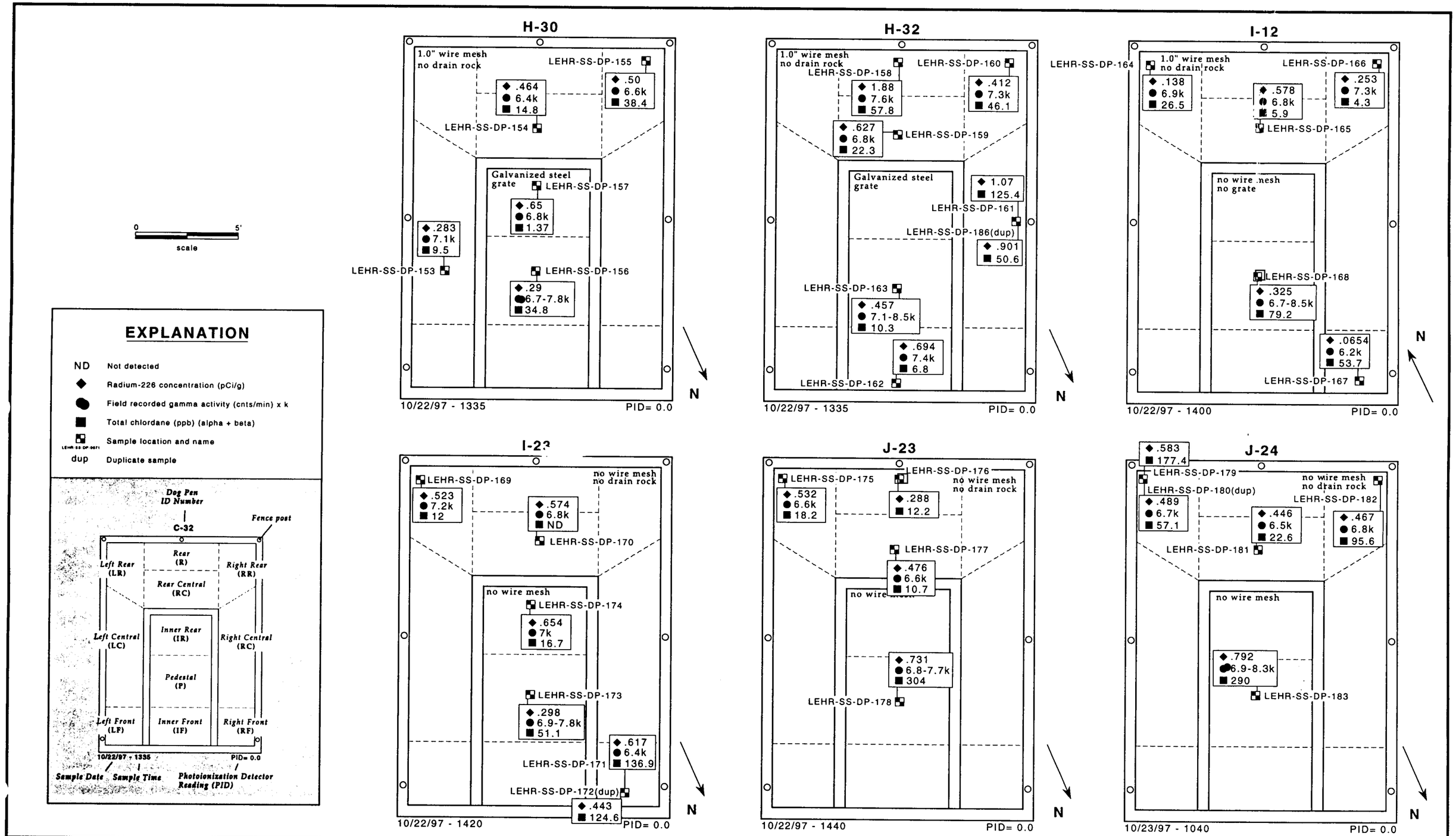

Figure 9. Western Dog Pens Phase B Surface Soil Sampling Locations and Results, LEHR Site, UC Davis, California

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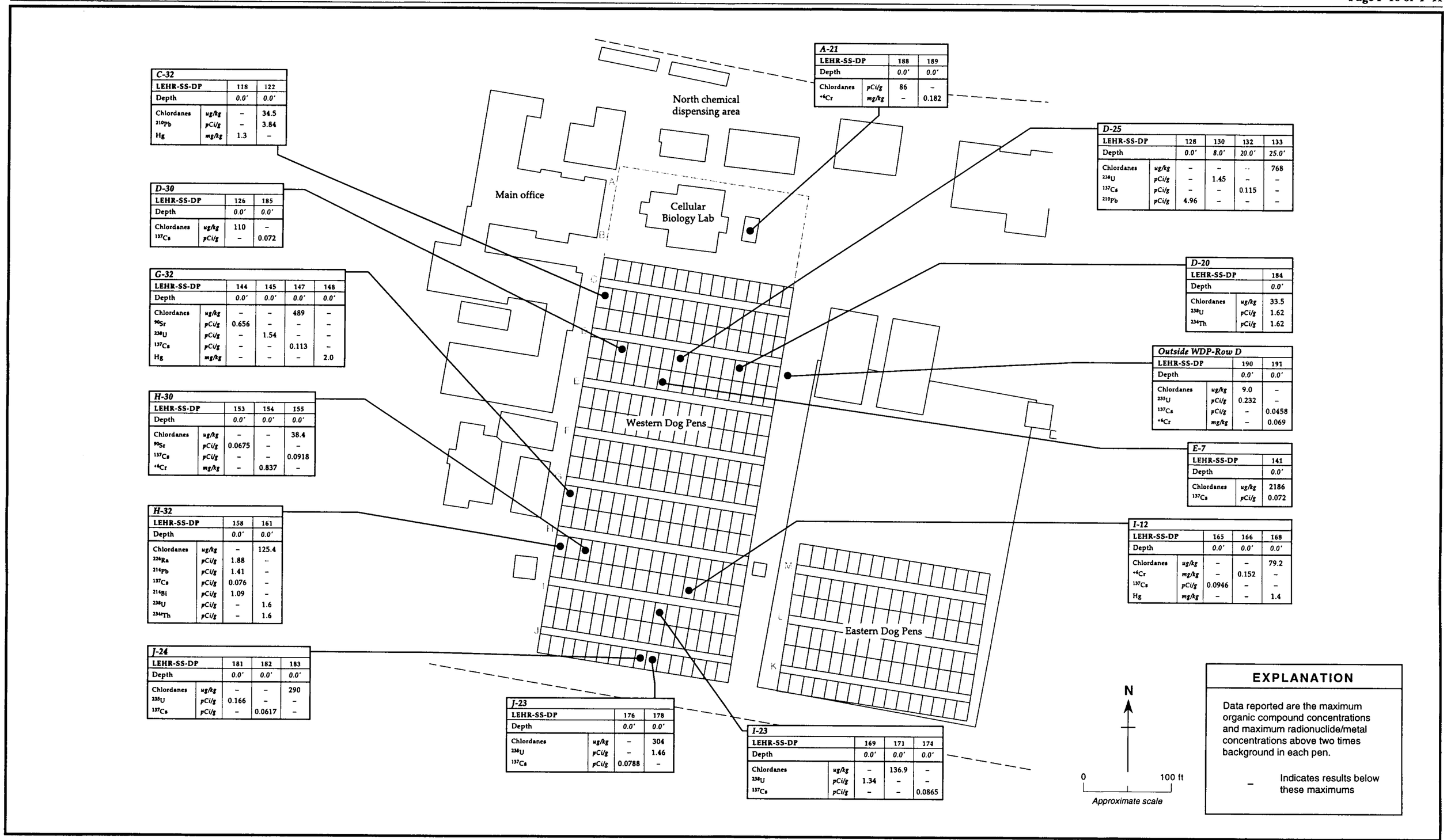


C-32			
LEHR-SS-DP		118	122
Depth		0.0′	0.0′
Chlordanes	ug/kg	–	34.5
^{210}Pb	pCi/g	–	3.84
Hg	mg/kg	1.3	–

D-30			
LEHR-SS-DP		126	185
Depth		0.0′	0.0′
Chlordanes	ug/kg	110	–
^{137}Cs	pCi/g	–	0.072

G-32					
LEHR-SS-DP		144	145	147	148
Depth		0.0′	0.0′	0.0′	0.0′
Chlordanes	ug/kg	–	–	489	–
^{90}Sr	pCi/g	0.656	–	–	–
^{238}U	pCi/g	–	1.54	–	–
^{137}Cs	pCi/g	–	–	0.113	–
Hg	mg/kg	–	–	–	2.0

H-30				
LEHR-SS-DP		153	154	155
Depth		0.0′	0.0′	0.0′
Chlordanes	ug/kg	–	–	38.4
^{90}Sr	pCi/g	0.0675	–	–
^{137}Cs	pCi/g	–	–	0.0918
^{+6}Cr	mg/kg	–	0.837	–

H-32			
LEHR-SS-DP		158	161
Depth		0.0′	0.0′
Chlordanes	ug/kg	–	125.4
^{226}Ra	pCi/g	1.88	–
^{214}Pb	pCi/g	1.41	–
^{137}Cs	pCi/g	0.076	–
^{214}Bi	pCi/g	1.09	–
^{238}U	pCi/g	–	1.6
^{234}Th	pCi/g	–	1.6

J-24				
LEHR-SS-DP		181	182	183
Depth		0.0′	0.0′	0.0′
Chlordanes	ug/kg	–	–	290
^{235}U	pCi/g	0.166	–	–
^{137}Cs	pCi/g	–	0.0617	–

J-23			
LEHR-SS-DP		176	178
Depth		0.0′	0.0′
Chlordanes	ug/kg	–	304
^{238}U	pCi/g	–	1.46
^{137}Cs	pCi/g	0.0788	–

A-21			
LEHR-SS-DP		188	189
Depth		0.0′	0.0′
Chlordanes	pCi/g	86	–
^{+6}Cr	mg/kg	–	0.182

D-25					
LEHR-SS-DP		128	130	132	133
Depth		0.0′	8.0′	20.0′	25.0′
Chlordanes	ug/kg	–	–	..	768
^{238}U	pCi/g	–	1.45	–	–
^{137}Cs	pCi/g	–	–	0.115	–
^{210}Pb	pCi/g	4.96	–	–	–

D-20		
LEHR-SS-DP		184
Depth		0.0′
Chlordanes	ug/kg	33.5
^{238}U	pCi/g	1.62
^{234}Th	pCi/g	1.62

Outside WDP-Row D			
LEHR-SS-DP		190	191
Depth		0.0′	0.0′
Chlordanes	ug/kg	9.0	–
^{235}U	pCi/g	0.232	–
^{137}Cs	pCi/g	–	0.0458
^{+6}Cr	mg/kg	–	0.069

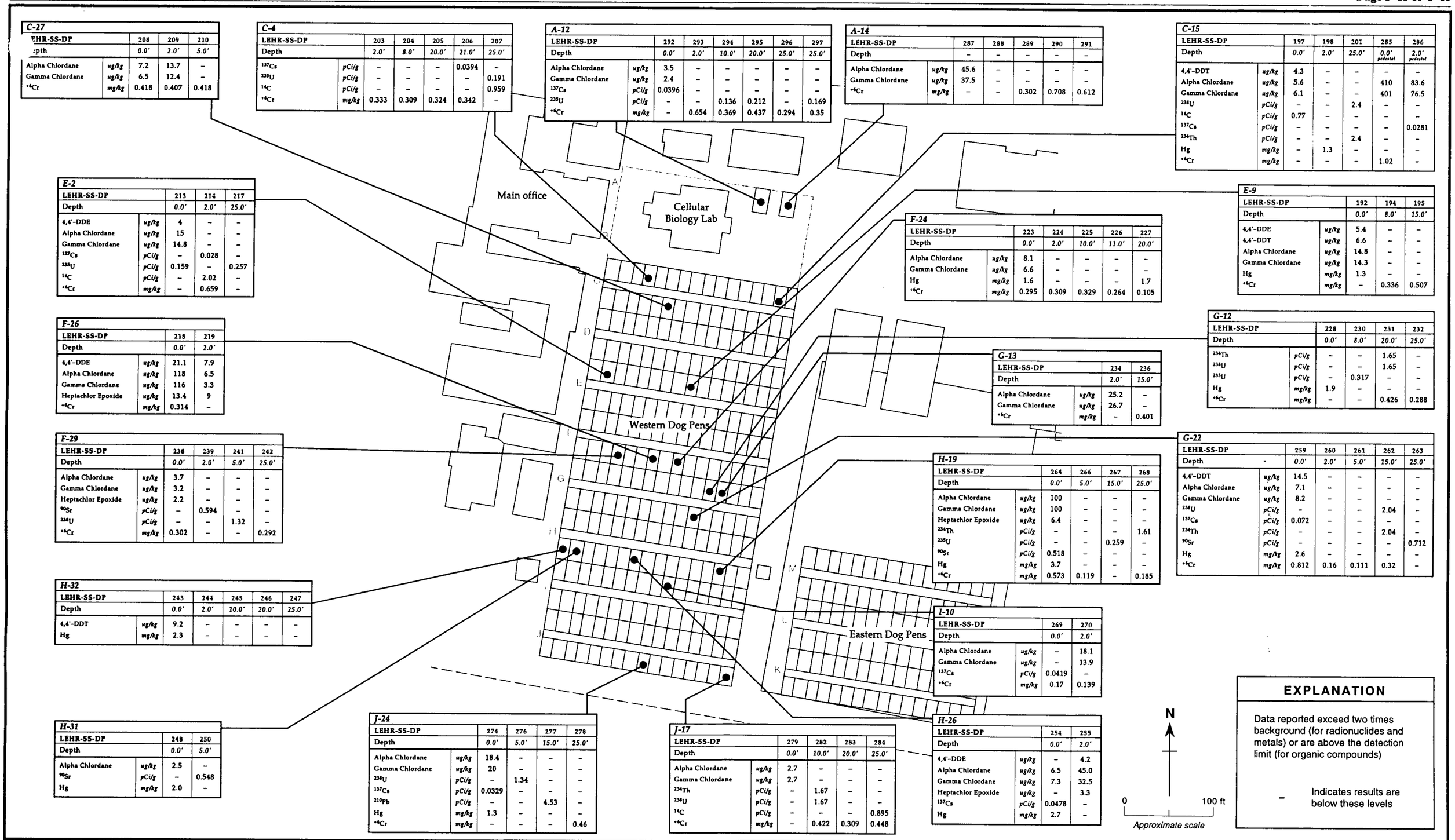
E-7		
LEHR-SS-DP		141
Depth		0.0′
Chlordanes	ug/kg	2186
^{137}Cs	pCi/g	0.072

I-12				
LEHR-SS-DP		165	166	168
Depth		0.0′	0.0′	0.0′
Chlordanes	ug/kg	–	–	79.2
^{+6}Cr	mg/kg	–	0.152	–
^{137}Cs	pCi/g	0.0946	–	–
Hg	mg/kg	–	–	1.4

I-23				
LEHR-SS-DP		169	171	174
Depth		0.0′	0.0′	0.0′
Chlordanes	ug/kg	–	136.9	–
^{238}U	pCi/g	1.34	–	–
^{137}Cs	pCi/g	–	–	0.0865

Figure 10. Western Dog Pens Phase B Summary of Significant Findings, LEHR Site, UC Davis, California

Weiss Associates



C-27

LEHR-SS-DP		208	209	210
Depth		0.0′	2.0′	5.0′
Alpha Chlordane	ug/kg	7.2	13.7	–
Gamma Chlordane	ug/kg	6.5	12.4	–
$^{+6}$Cr	mg/kg	0.418	0.407	0.418

C-4

LEHR-SS-DP		203	204	205	206	207
Depth		2.0′	8.0′	20.0′	21.0′	25.0′
^{137}Cs	pCi/g	–	–	–	0.0394	–
^{235}U	pCi/g	–	–	–	–	0.191
^{14}C	pCi/g	–	–	–	–	0.959
$^{+6}$Cr	mg/kg	0.333	0.309	0.324	0.342	–

A-12

LEHR-SS-DP		292	293	294	295	296	297
Depth		0.0′	2.0′	10.0′	20.0′	25.0′	25.0′
Alpha Chlordane	ug/kg	3.5	–	–	–	–	–
Gamma Chlordane	ug/kg	2.4	–	–	–	–	–
^{137}Cs	pCi/g	0.0396	–	–	–	–	–
^{235}U	pCi/g	–	–	0.136	0.212	–	0.169
$^{+6}$Cr	mg/kg	–	0.654	0.369	0.437	0.294	0.35

A-14

LEHR-SS-DP		287	288	289	290	291
Depth		–	–	–	–	–
Alpha Chlordane	ug/kg	45.6	–	–	–	–
Gamma Chlordane	ug/kg	37.5	–	–	–	–
$^{+6}$Cr	mg/kg	–	–	0.302	0.708	0.612

C-15

LEHR-SS-DP		197	198	201	285	286
Depth		0.0′	2.0′	25.0′	0.0′ pedestal	2.0′ pedestal
4,4′-DDT	ug/kg	4.3	–	–	–	–
Alpha Chlordane	ug/kg	5.6	–	–	410	83.6
Gamma Chlordane	ug/kg	6.1	–	–	401	76.5
^{238}U	pCi/g	–	–	2.4	–	–
^{14}C	pCi/g	0.77	–	–	–	–
^{137}Cs	pCi/g	–	–	–	–	0.0281
^{234}Th	pCi/g	–	–	2.4	–	–
Hg	mg/kg	–	1.3	–	–	–
$^{+6}$Cr	mg/kg	–	–	–	1.02	–

E-2

LEHR-SS-DP		213	214	217
Depth		0.0′	2.0′	25.0′
4,4′-DDE	ug/kg	4	–	–
Alpha Chlordane	ug/kg	15	–	–
Gamma Chlordane	ug/kg	14.8	–	–
^{137}Cs	pCi/g	–	0.028	–
^{235}U	pCi/g	0.159	–	0.257
^{14}C	pCi/g	–	2.02	–
$^{+6}$Cr	mg/kg	–	0.659	–

F-24

LEHR-SS-DP		223	224	225	226	227
Depth		0.0′	2.0′	10.0′	11.0′	20.0′
Alpha Chlordane	ug/kg	8.1	–	–	–	–
Gamma Chlordane	ug/kg	6.6	–	–	–	–
Hg	mg/kg	1.6	–	–	–	1.7
$^{+6}$Cr	mg/kg	0.295	0.309	0.329	0.264	0.105

E-9

LEHR-SS-DP		192	194	195
Depth		0.0′	8.0′	15.0′
4,4′-DDE	ug/kg	5.4	–	–
4,4′-DDT	ug/kg	6.6	–	–
Alpha Chlordane	ug/kg	14.8	–	–
Gamma Chlordane	ug/kg	14.3	–	–
Hg	mg/kg	1.3	–	–
$^{+6}$Cr	mg/kg	–	0.336	0.507

F-26

LEHR-SS-DP		218	219
Depth		0.0′	2.0′
4,4′-DDE	ug/kg	21.1	7.9
Alpha Chlordane	ug/kg	118	6.5
Gamma Chlordane	ug/kg	116	3.3
Heptachlor Epoxide	ug/kg	13.4	9
$^{+6}$Cr	mg/kg	0.314	–

G-12

LEHR-SS-DP		228	230	231	232
Depth		0.0′	8.0′	20.0′	25.0′
^{234}Th	pCi/g	–	–	1.65	–
^{238}U	pCi/g	–	–	1.65	–
^{235}U	pCi/g	–	0.317	–	–
Hg	mg/kg	1.9	–	–	–
$^{+6}$Cr	mg/kg	–	–	0.426	0.288

G-13

LEHR-SS-DP		234	236
Depth		2.0′	15.0′
Alpha Chlordane	ug/kg	25.2	–
Gamma Chlordane	ug/kg	26.7	–
$^{+6}$Cr	mg/kg	–	0.401

F-29

LEHR-SS-DP		238	239	241	242
Depth		0.0′	2.0′	5.0′	25.0′
Alpha Chlordane	ug/kg	3.7	–	–	–
Gamma Chlordane	ug/kg	3.2	–	–	–
Heptachlor Epoxide	ug/kg	2.2	–	–	–
^{90}Sr	pCi/g	–	0.594	–	–
^{238}U	pCi/g	–	–	1.32	–
$^{+6}$Cr	mg/kg	0.302	–	–	0.292

G-22

LEHR-SS-DP		259	260	261	262	263
Depth	-	0.0′	2.0′	5.0′	15.0′	25.0′
4,4′-DDT	ug/kg	14.5	–	–	–	–
Alpha Chlordane	ug/kg	7.1	–	–	–	–
Gamma Chlordane	ug/kg	8.2	–	–	–	–
^{238}U	pCi/g	–	–	–	2.04	–
^{137}Cs	pCi/g	0.072	–	–	–	–
^{234}Th	pCi/g	–	–	–	2.04	–
^{90}Sr	pCi/g	–	–	–	–	0.712
Hg	mg/kg	2.6	–	–	–	–
$^{+6}$Cr	mg/kg	0.812	0.16	0.111	0.32	–

H-19

LEHR-SS-DP		264	266	267	268
Depth		0.0′	5.0′	15.0′	25.0′
Alpha Chlordane	ug/kg	100	–	–	–
Gamma Chlordane	ug/kg	100	–	–	–
Heptachlor Epoxide	ug/kg	6.4	–	–	–
^{234}Th	pCi/g	–	–	–	1.61
^{235}U	pCi/g	–	–	0.259	–
^{90}Sr	pCi/g	0.518	–	–	–
Hg	mg/kg	3.7	–	–	–
$^{+6}$Cr	mg/kg	0.573	0.119	–	0.185

H-32

LEHR-SS-DP		243	244	245	246	247
Depth		0.0′	2.0′	10.0′	20.0′	25.0′
4,4′-DDT	ug/kg	9.2	–	–	–	–
Hg	mg/kg	2.3	–	–	–	–

I-10

LEHR-SS-DP		269	270
Depth		0.0′	2.0′
Alpha Chlordane	ug/kg	–	18.1
Gamma Chlordane	ug/kg	–	13.9
^{137}Cs	pCi/g	0.0419	–
$^{+6}$Cr	mg/kg	0.17	0.139

H-31

LEHR-SS-DP		248	250
Depth		0.0′	5.0′
Alpha Chlordane	ug/kg	2.5	–
^{90}Sr	pCi/g	–	0.548
Hg	mg/kg	2.0	–

J-24

LEHR-SS-DP		274	276	277	278
Depth		0.0′	5.0′	15.0′	25.0′
Alpha Chlordane	ug/kg	18.4	–	–	–
Gamma Chlordane	ug/kg	20	–	–	–
^{238}U	pCi/g	–	1.34	–	–
^{137}Cs	pCi/g	0.0329	–	–	–
^{210}Pb	pCi/g	–	–	4.53	–
Hg	mg/kg	1.3	–	–	–
$^{+6}$Cr	mg/kg	–	–	–	0.46

J-17

LEHR-SS-DP		279	282	283	284
Depth		0.0′	10.0′	20.0′	25.0′
Alpha Chlordane	ug/kg	2.7	–	–	–
Gamma Chlordane	ug/kg	2.7	–	–	–
^{234}Th	pCi/g	–	1.67	–	–
^{238}U	pCi/g	–	1.67	–	–
^{14}C	pCi/g	–	–	–	0.895
$^{+6}$Cr	mg/kg	–	0.422	0.309	0.448

H-26

LEHR-SS-DP		254	255
Depth		0.0′	2.0′
4,4′-DDE	ug/kg	–	4.2
Alpha Chlordane	ug/kg	6.5	45.0
Gamma Chlordane	ug/kg	7.3	32.5
Heptachlor Epoxide	ug/kg	–	3.3
^{137}Cs	pCi/g	0.0478	–
Hg	mg/kg	2.7	–

Figure 11. Western Dog Pens Phase C Summary of Significant Findings, LEHR Site, UC Davis, California

Weiss Associates

TABLES

Table 1. Background Cutoff Values, Number of Measurements and Data Set Standard Deviations for Metals and Nitrate, LEHR Site, UC Davis, California

Metal	RBAS[a] Background Value (mg/kg)	n	Standard Deviation (mg/kg)	**Consolidated 1994 and 1997 Data Background Value (mg/kg)**	n	Standard Deviation (mg/kg)	Stratified **Clay** Background Value (mg/kg)	n	Standard Deviation (mg/kg)	Stratified **Sand** Background Value (mg/kg)	n	Standard Deviation (mg/kg)
Antimony	0.74[b]	1	N/A	**1.4**	48	0.77	Not Stratified	N/A	N/A	Not Stratified	N/A	N/A
Arsenic	9.46	26	1.4	**9.6**	23	1.4	10	10	1.5	8.5	13	0.85
Barium	237	26	55	**260**	24	55	290	11	65	210	13	43
Beryllium	0.66	26	0.17	**0.72**	19	0.17	0.72	10	0.13	0.62	9	0.13
Cadmium	0.46[b]	1	N/A	**0.51**	48	0.15	Not Stratified	N/A	N/A	Not Stratified	N/A	N/A
Chromium	178	26	49	**181**	72	46	130	42	23	218	30	53
Hexavalent chromium	0.099	26	0.053	**0.054**	47	0.024	Not Stratified	N/A	N/A	Not Stratified	N/A	N/A
Cobalt	29	26	5.0	**31**	24	5.2	Not Stratified	N/A	N/A	Not Stratified	N/A	N/A
Copper	50	26	11	**60**	72	11	62	42	11	52	30	10.0
Iron	42,000	26	5,383	**44,000**	24	5,517	Not Stratified	N/A	N/A	Not Stratified	N/A	N/A
Lead	10.1	26	1.7	**9.5**	46	1.3	Not Stratified	N/A	N/A	Not Stratified	N/A	N/A
Manganese	720	24	98	**750**	22	96	Not Stratified	N/A	N/A	Not Stratified	N/A	N/A
Mercury	0.49	26	0.34	**0.63**	66	0.16	0.23	40	0.11	0.73	26	0.19
Molybdenum	2.0[c]	0	N/A	**ND < 0.26**	N/A	N/A	ND < 0.26	N/A	N/A	ND < 0.26	N/A	N/A
Nickel	326	26	85	**330**	72	83	250	42	61	370	30	85
Selenium	1.0	26	0.3	**1.2**	24	0.37	Not Stratified	N/A	N/A	Not Stratified	N/A	N/A
Silver	0.52[b]	1	N/A	**0.55**	48	0.15	Not Stratified	N/A	N/A	Not Stratified	N/A	N/A
Thallium	1.36[b]	1	N/A	**1.6**	48	1.1	Not Stratified	N/A	N/A	Not Stratified	N/A	N/A
Vanadium	73	26	11	**77**	24	11	80	11	12	69	13	10.0
Zinc	82	26	16	**87**	19	16	93	11	18	64	8	9.9
Nitrate	none	N/A	N/A	**36**	72	17	Not Stratified	N/A	N/A	Not Stratified	N/A	N/A

Notes:
Background values are the 80% lower confidence limit on the 95th percentile for the sample data set.
n = Number of sample concentrations used to calculate background cutoff value.
N/A = Not Applicable
Not Stratified = Statistical tests indicated sample means for clay and sand soil type data were not significantly different.

Table 1. Background Cutoff Values, Number of Measurements and Data Set Standard Deviations for Metals and Nitrate, LEHR Site, UC Davis, California (continued)

ND<##	=	All sample concentrations were below a detection limit of ## in data set.
a	=	Background set at twice the maximum detected value from the background data set, if positively detected.
b	=	Background set at the detection limit for compounds with no positively detected concentrations.
c	=	Background values determined from 1994 data for use in the *Risk-Based Action Standards Report* (Weiss Associates 1997). RBAS background values are the 90% lower confidence limit on the 95th percentile. The RBAS background values were previously reported incorrectly as the 80% lower confidence limit on the 95th percentile.

Table 2. Background Cutoff Values, Number of Measurements and Data Set Standard Deviations for Radionuclides, LEHR Site, UC Davis, California

Radionuclide	RBAS[a] Background Values (pCi/g)	n	Standard Deviation (pCi/g)	**Consolidated 1994 and 1997 Data Background Value (pCi/g)**	n	Standard Deviation (pCi/g)	Stratified **Clay** Background Value (pCi/g)	n	Standard Deviation (pCi/g)	Stratified **Sand** Background Value (pCi/g)	n	Standard Deviation (pCi/g)
Actinium-228	0.71	24	0.10	**0.64**	48	0.0698	0.63	31	0.050	0.66	17	0.084
Americium-241	none	N/A	N/A	**ND < 0.014**	N/A	N/A	ND < 0.014	N/A	N/A	ND < 0.014	N/A	N/A
Bismuth-212	none	N/A	N/A	**0.43**	48	0.0479	0.43	31	0.037	0.41	17	0.055
Bismuth-214	0.57	24	0.10	**0.54**	69	0.0676	Not Stratified	N/A	N/A	Not Stratified	N/A	N/A
Carbon-14	0.87	24	1.9	**ND < 0.13**	N/A	N/A	ND < 0.13	N/A	N/A	ND < 0.13	N/A	N/A
Cesium-137	0.053	26	0.046	**0.012**	48	0.0436	Not Stratified	N/A	N/A	Not Stratified	N/A	N/A
Cobalt-60	0.016	26	0.015	**ND < 0.006**	N/A	N/A	ND < 0.006	N/A	N/A	ND < 0.006	N/A	N/A
Gross Alpha	11.8	25	3.3	**8.7**	48	1.69	9.0	31	1.7	7.4	17	1.4
Gross Beta	17.4	26	2.5	**15**	47	1.73	Not Stratified	N/A	N/A	Not Stratified	N/A	N/A
Lead-210	none	N/A	N/A	**1.6**	48	0.578	Not Stratified	N/A	N/A	Not Stratified	N/A	N/A
Lead-212	0.74	24	0.13	**0.70**	69	0.0932	0.73	40	0.075	0.69	29	0.066
Lead-214	0.75	24	0.15	**0.58**	47	0.0492	0.58	31	0.045	0.56	16	0.052
Potassium-40	13.6	24	1.6	**14**	70	1.21	Not Stratified	N/A	N/A	Not Stratified	N/A	N/A
Plutonium-241	none	N/A	N/A	**ND < 0.50**	N/A	N/A	ND < 0.50	N/A	N/A	ND < 0.50	N/A	N/A
Radium-226	0.77	26	0.23	**0.75**	71	0.143	0.75	42	0.13	0.70	29	0.15
Radium-228	none	N/A	N/A	**0.64**	47	0.0705	0.63	30	0.051	0.66	17	0.084
Strontium-90	0.36	26	0.33	**0.056**	47	0.0207	Not Stratified	N/A	N/A	Not Stratified	N/A	N/A
Thallium-208	0.21	24	0.036	**0.22**	68	0.0271	0.22	39	0.022	0.21	29	0.030
Thorium-228	0.71	26	0.12	**0.74**	24	0.119	0.76	11	0.093	0.63	13	0.098
Thorium-230	0.80	22	0.071	**0.79**	20	0.0605	Not Stratified	N/A	N/A	Not Stratified	N/A	N/A
Thorium-232	0.64	24	0.083	**0.75**	24	0.129	0.80	11	0.13	0.60	13	0.075
Thorium-234	1.1	24	0.23	**0.78**	48	0.130	Not Stratified	N/A	N/A	Not Stratified	N/A	N/A
Tritium	none	26	69	**ND < 1.2**	N/A	N/A	ND < 1.2	N/A	N/A	ND < 1.2	N/A	N/A

Table 2. Background Cutoff Values, Number of Measurements and Data Set Standard Deviations for Radionuclides, LEHR Site, UC Davis, California (continued)

Radionuclide	RBAS[a] Background Values (pCi/g)	n	Standard Deviation (pCi/g)	**Consolidated 1994 and 1997 Data Background Value (pCi/g)**	n	Standard Deviation (pCi/g)	Stratified **Clay** Background Value (pCi/g)	n	Standard Deviation (pCi/g)	Stratified **Sand** Background Value (pCi/g)	n	Standard Deviation (pCi/g)
Uranium-233/234	0.66	26	0.093	**0.68**	24	0.0905	0.71	11	0.080	0.59	13	0.067
Uranium-235	0.071	24	0.015	**0.039**	47	0.0082	Not Stratified	N/A	N/A	Not Stratified	N/A	N/A
Uranium-238	0.63	26	0.087	**0.65**	19	0.090	0.65	11	0.063	0.56	8	0.084

Notes:
Background values are the 80% lower confidence limit on the 95th percentile for the sample data set.

n	=	Number of sample concentrations used to calculate background cutoff value.
N/A	=	Not Applicable
None	=	Not previously calculated.
Not Stratified	=	Statistical tests indicated sample means for clay and sand soil type data were not significantly different.
ND < ##	=	All sample concentrations were below a detection limit of ## in data set.
a	=	Background values determined from 1994 data for use in the *Risk-Based Action Standards Report* (Weiss Associates 1997b). RBAS background values are the 90% lower confidence limit on the 95th percentile. The RBAS background values were previously reported incorrectly as the 80% lower confidence limit on the 95th percentile.

Table 3. Off-Site Cesium-137 Results, LEHR Site, UC Davis, California

Sample ID	Location	Depth (ft)	<- - - - - Result - - - - -> (pCi/g) Initial	Confirmation	Accuracy[1] (±pCi/g)	Detection[1] Limit (pCi/g)	Field Gamma[2] (cpm)
SS-RA-0001	B-1	0	0.32	0.31	0.04	0.02	7300
SS-RA-0002	B-1	0.5		0.27	0.03	0.01	NA
SS-RA-0003	B-1	1.5		0.02	0.01	0.02	NA
SS-RA-0004	A-2	0	0.224	0.30	0.04	0.02	7200
SS-RA-0005	A-2	0.5		0.07	0.02	0.02	NA
SS-RA-0006	A-2	1.5		0.01	0.01	0.02	NA
SS-RA-0007	A-5	0	0.219	0.21	0.03	0.02	7400
SS-RA-0008	A-5	0.5		0.13	0.02	0.02	NA
SS-RA-0009	A-5	1.5		0.00	0.01	0.02	NA
SS-RA-0010	A-11	0		0.11	0.02	0.02	6700
SS-RA-0011	B-14	0		0.20	0.03	0.02	7100
SS-RA-0012	C-3	0	0.117	0.10	0.02	0.01	6900-7200
SS-RA-0013	C-8	0	0.0563	0.08	0.02	0.02	6900-7200
SS-RA-0014	C-13	0		0.20	0.03	0.02	6900-7200
SS-RA-0015[3]	A-5	0		0.20	0.03	0.02	7400

Notes:

[1]Confirmation results only. See Appendix C-4 for initial results accuracy and detection limit.

[2]Counts per minute using 2" x 2" NaI gamma scintillator (Ludlum Model 44-10).

[3]Duplicate of sample SS-RA-0007.

NA = not available

APPENDIX A

DPI PHASE A DATA COMPILATION

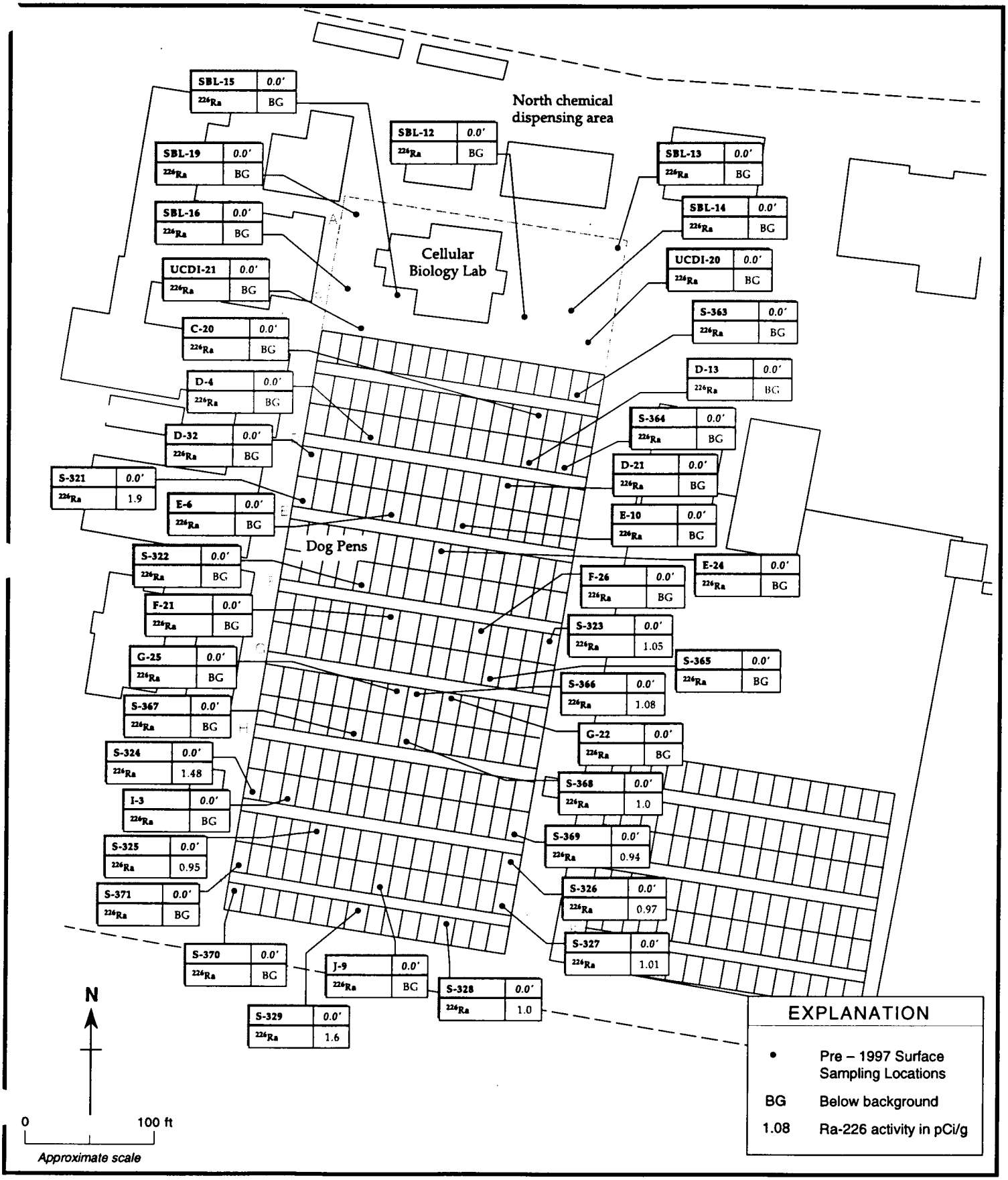


Figure A–1. Pre-1997 Ra–226 Results for Surface Soil Samples from the Western Dog Pens Area, LEHR Site, UC Davis, California

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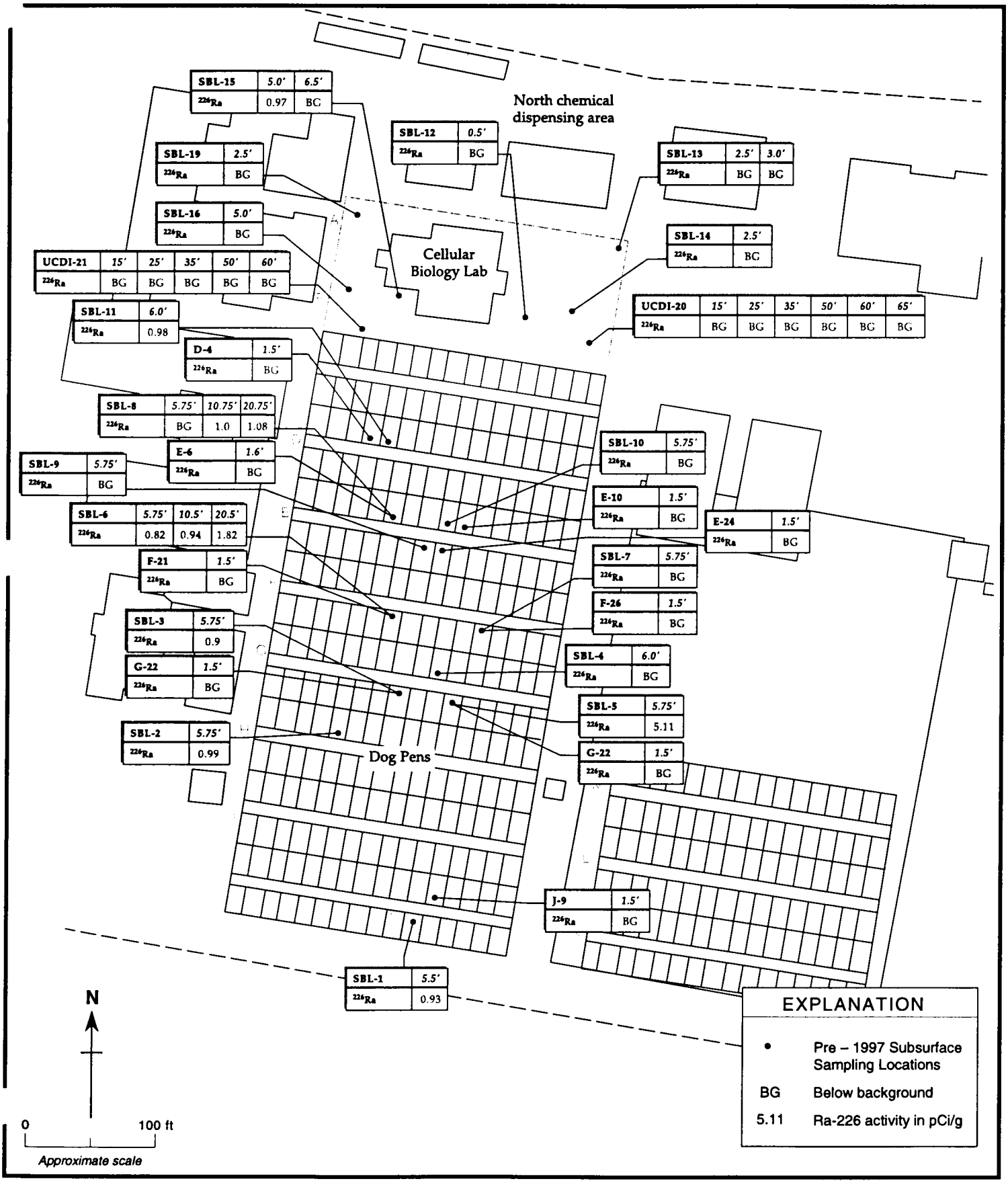

Figure A–2. Pre –1997 Ra-226 Results for Soil Samples from 0.5 to 65 ft Below Ground Surface in the Western Dog Pens Area, LEHR Site, UC Davis, California

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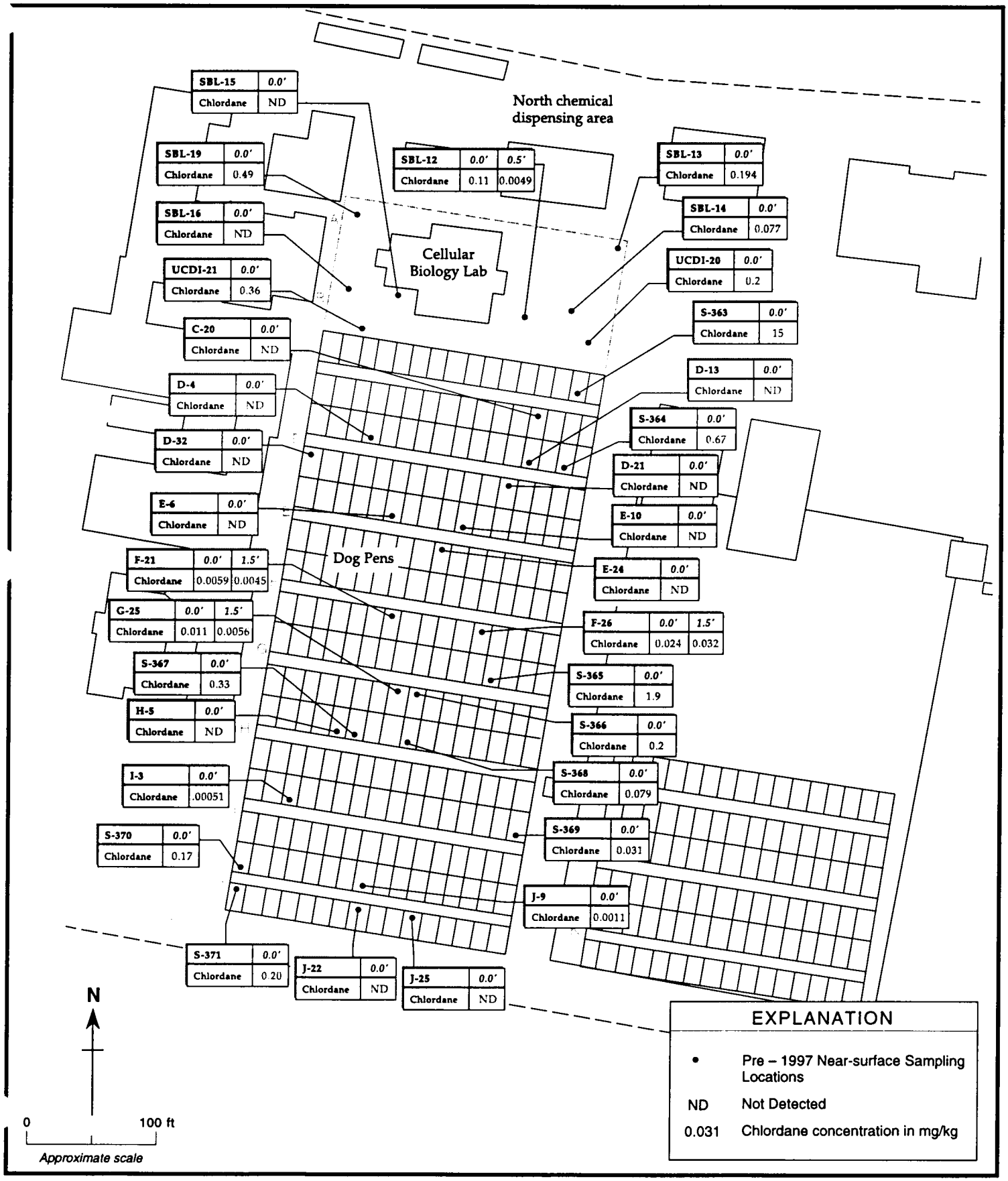

Figure A–3. Pre –1997 Chlordane Results for Samples from 0 to 2 ft Below Ground Surface in the Western Dog Pens Area, LEHR Site, UC Davis, California

Weiss Associates

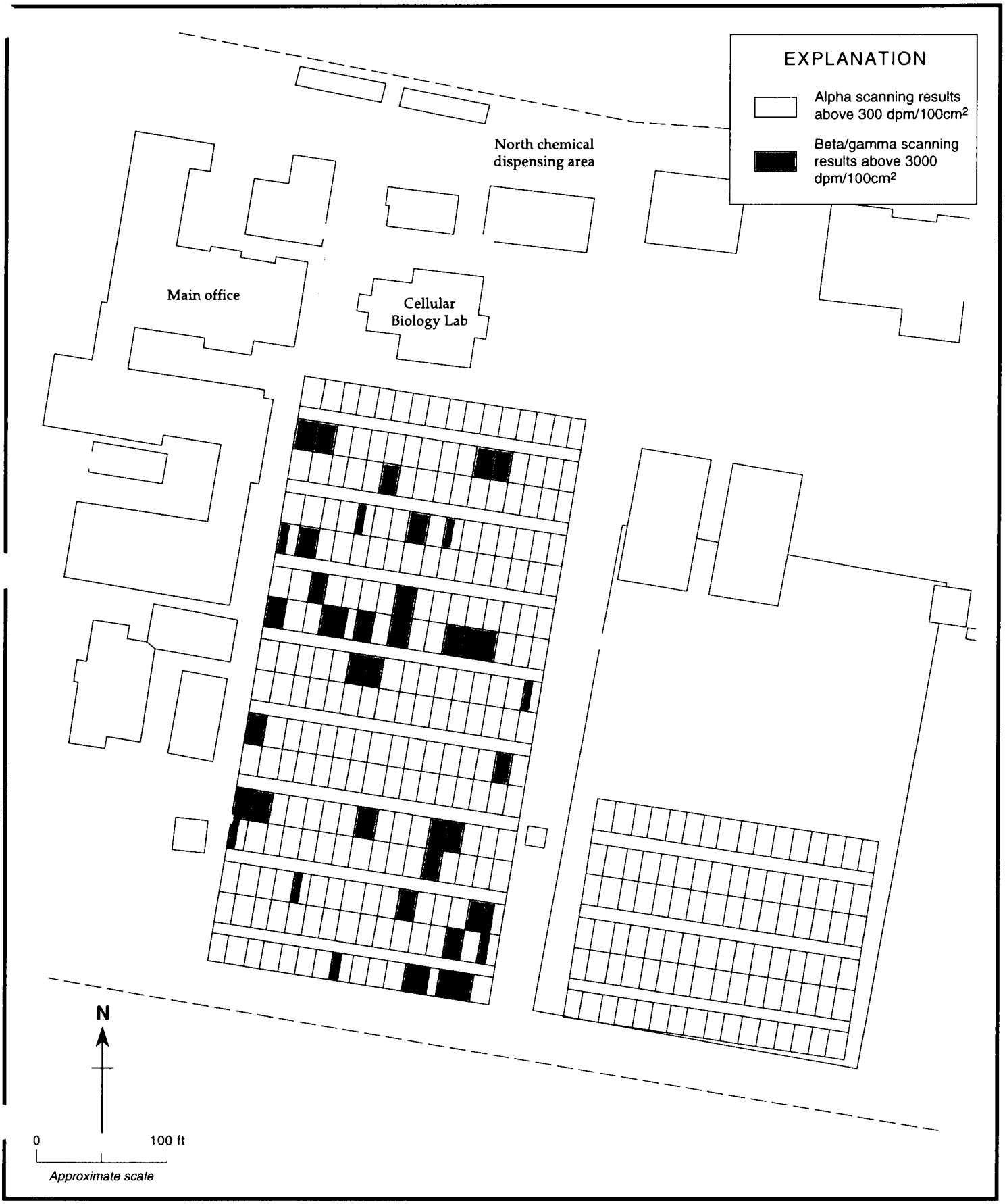

Figure A–4. Alpha and Beta/Gamma Field Scanning Results above Background from Spring 1996 in the Western Dog Pens Area, LEHR Site, UC Davis, California

Weiss Associates

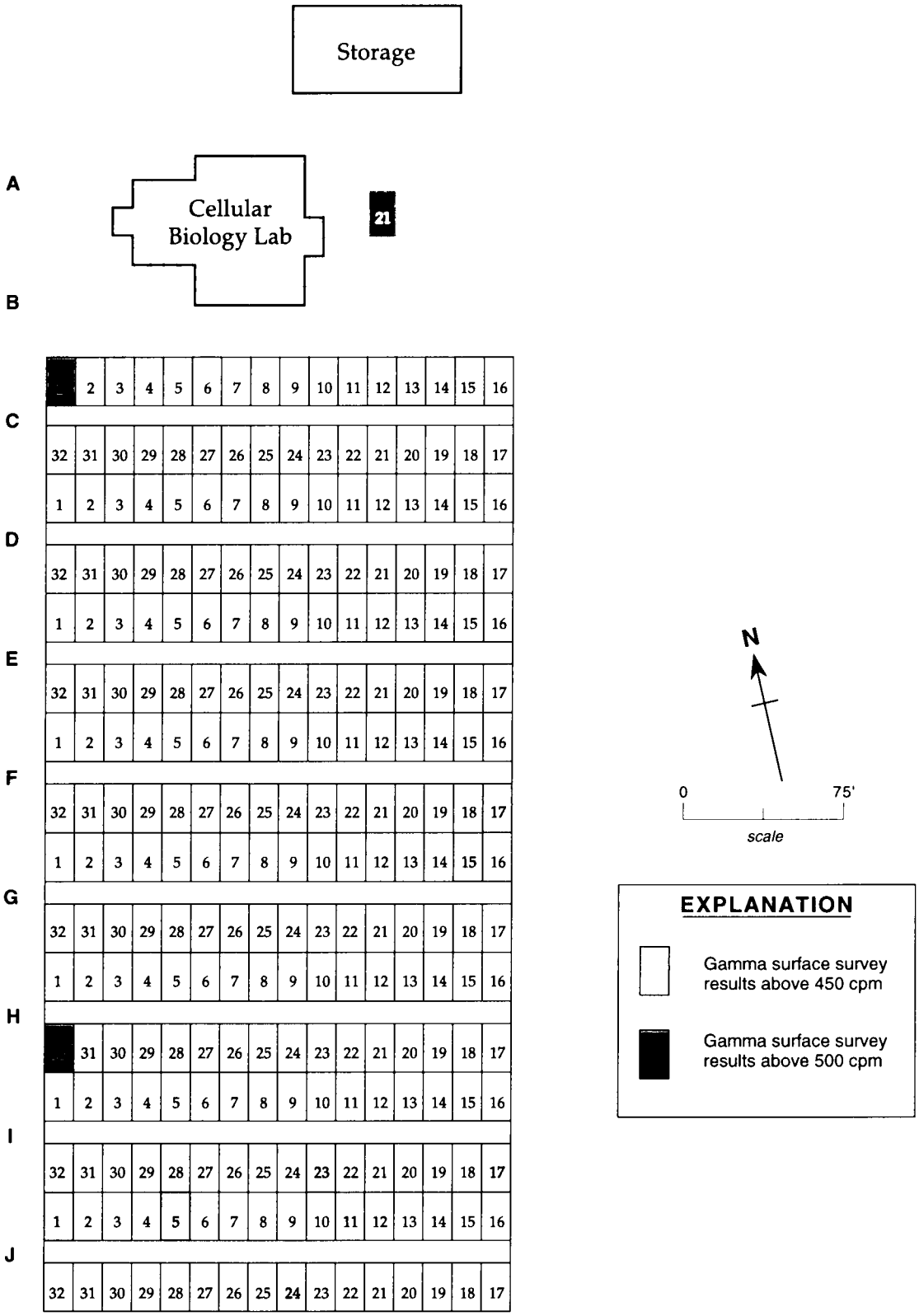

Figure A–5. Gamma Surface Survey Results Significantly Above Background in the Western Dog Pens Area, LEHR Site, UC Davis, California (September, 1997)

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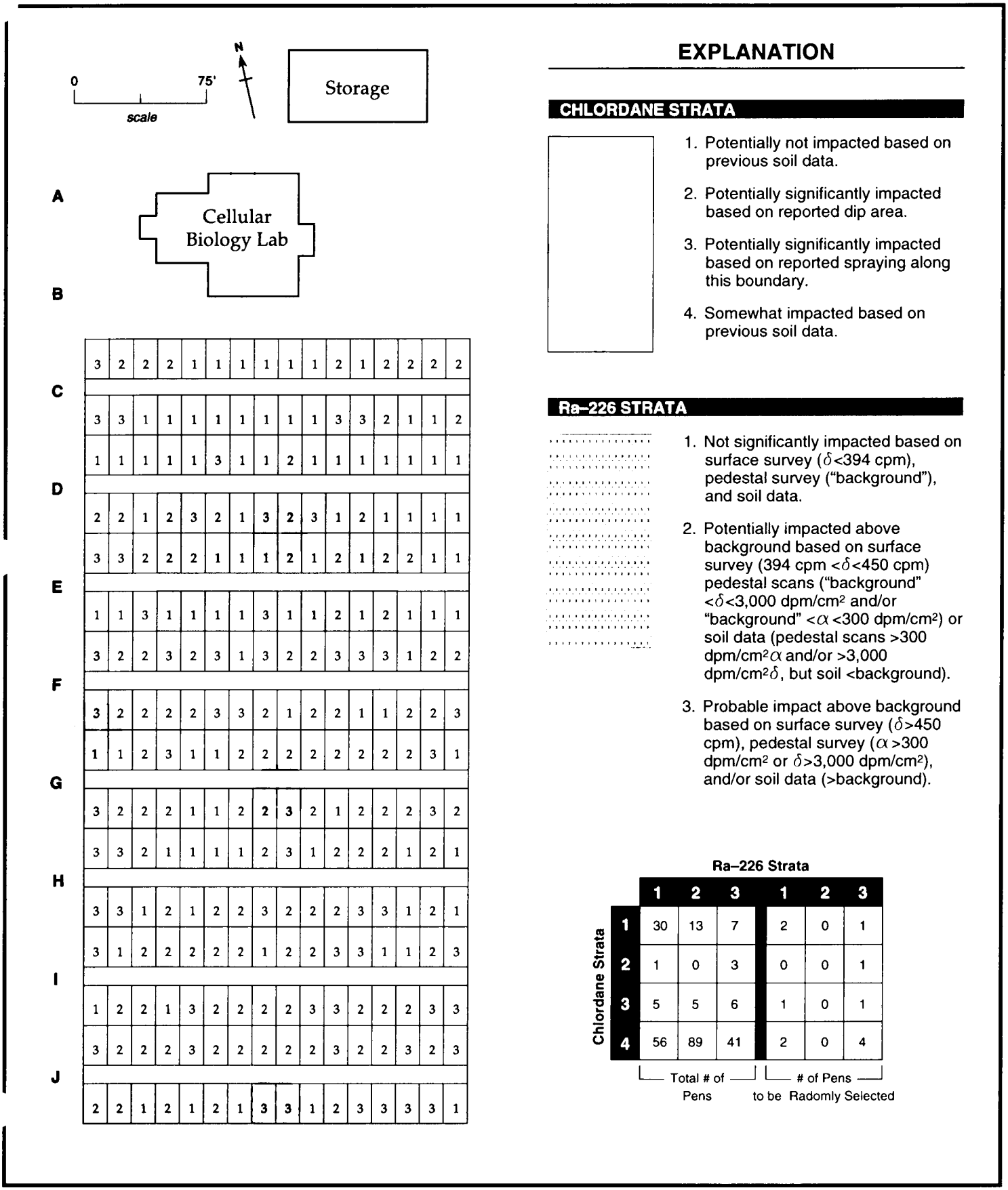

	1	2	3	1	2	3
1	30	13	7	2	0	1
2	1	0	3	0	0	1
3	5	5	6	1	0	1
4	56	89	41	2	0	4

Figure A–6. Chlordane and Ra–226 Sampling Strata for Phase B of Western Dog Pens Area Investigation, LEHR Site, UC Davis, California

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Table A.1 Western Dog Pens Gamma Surface Survey Results[1], LEHR Site, UC Davis, California

Dog Pen ID	Gamma Reading (cps/detector area)	Dog Pen ID	Gamma Reading (cps/detector area)	Dog Pen ID	Gamma Reading (cps/detector area)
A-10	360	B-22	410	C-16	400
A-11	400	B-23	430	C-17	350
A-12	430	B-24	450	C-18	380
A-13	450	B-25	420	C-19	380
A-14	430	B-26	410	C-20	350
A-15	440	B-27	460	C-21	370
A-16	450	B-28	430	C-22	380
A-17	440	B-29	450	C-23	370
A-18	460	B-30	460	C-24	350
A-19	450	B-31	450	C-25	360
A-20	430	B-32	460	C-26	360
A-21	500	C-1	500	C-27	360
A-22	480	C-2	400	C-28	380
A-23	380	C-3	400	C-29	360
B-10	390	C-4	400	C-30	350
B-11	430	C-5	350	C-31	400
B-12	390	C-6	350	C-32	370
B-13	430	C-7	375	D-1	350
B-14	440	C-8	340	D-2	330
B-15	410	C-9	370	D-3	360
B-16	430	C-10	340	D-4	330
B-17	430	C-11	400	D-5	350
B-18	410	C-12	380	D-6	330
B-19	440	C-13	400	D-7	320
B-20	430	C-14	400	D-8	360
B-21	390	C-15	420	D-9	340
D-10	350	E-6	390	F-2	420
D-11	360	E-7	370	F-3	410
D-12	350	E-8	370	F-4	380
D-13	360	E-9	340	F-5	400

Table A.1 Western Dog Pens Gamma Surface Survey Results[1], LEHR Site, UC Davis, California (continued)

Dog Pen ID	Gamma Reading (cps/detector area)	Dog Pen ID	Gamma Reading (cps/detector area)	Dog Pen ID	Gamma Reading (cps/detector area)
D-14	360	E-10	370	F-6	400
D-15	360	E-11	350	F-7	390
D-16	380	E-12	350	F-8	380
D-17	370	E-13	350	F-9	400
D-18	340	E-14	400	F-10	400
D-19	370	E-15	370	F-11	390
D-20	380	E-16	380	F-12	380
D-21	350	E-17	350	F-13	400
D-22	420	E-18	370	F-14	390
D-23	380	E-19	380	F-15	410
D-24	430	E-20	380	F-16	400
D-25	380	E-21	350	F-17	380
D-26	370	E-22	360	F-18	410
D-27	360	E-23	370	F-19	400
D-28	380	E-24	360	F-20	390
D-29	400	E-25	360	F-21	380
D-30	380	E-26	370	F-22	400
D-31	370	E-27	370	F-23	410
D-32	400	E-28	360	F-24	380
E-1	380	E-29	360	F-25	400
E-2	450	E-30	360	F-26	390
E-3	380	E-31	390	F-27	380
E-4	400	E-32	370	F-28	410
E-5	400	F-1	400	F-29	400
F-30	420	G-26	400	H-22	380
F-31	410	G-27	390	H-23	400
F-32	390	G-28	380	H-24	400
G-1	390	G-29	410	H-25	390
G-2	380	G-30	400	H-26	400
G-3	400	G-31	410	H-27	400

Table A.1 Western Dog Pens Gamma Surface Survey Results[1], LEHR Site, UC Davis, California (continued)

Dog Pen ID	Gamma Reading (cps/detector area)	Dog Pen ID	Gamma Reading (cps/detector area)	Dog Pen ID	Gamma Reading (cps/detector area)
G-4	400	G-32	390	H-28	380
G-5	380	H-1	430	H-29	400
G-6	390	H-2	510	H-30	390
G-7	410	H-3	400	H-31	400
G-8	430	H-4	390	H-32	510
G-9	410	H-5	380	I-1	400
G-10	430	H-6	390	I-2	380
G-11	420	H-7	370	I-3	430
G-12	410	H-8	400	I-4	400
G-13	410	H-9	380	I-5	400
G-14	410	H-10	380	I-6	410
G-15	460	H-11	390	I-7	400
G-16	390	H-12	400	I-8	390
G-17	460	H-13	400	I-9	400
G-18	440	H-14	390	I-10	400
G-19	430	H-15	400	I-11	400
G-20	410	H-16	380	I-12	400
G-21	400	H-17	390	I-13	380
G-22	390	H-18	400	I-14	390
G-23	440	H-19	360	I-15	400
G-24	410	H-20	370	I-16	380
G-25	400	H-21	360	I-17	460
I-18	440	J-2	450	J-18	380
I-19	420	J-3	450	J-19	400
I-20	410	J-4	440	J-20	410
I-21	430	J-5	470	J-21	390
I-22	440	J-6	450	J-22	400
I-23	460	J-7	450	J-23	380
I-24	440	J-8	440	J-24	470
I-25	430	J-9	450	J-25	400

Table A.1 Western Dog Pens Gamma Surface Survey Results[1], LEHR Site, UC Davis, California (continued)

Dog Pen ID	Gamma Reading (cps/detector area)	Dog Pen ID	Gamma Reading (cps/detector area)	Dog Pen ID	Gamma Reading (cps/detector area)
I-26	440	J-10	430	J-26	390
I-27	410	J-11	460	J-27	410
I-28	400	J-12	440	J-28	390
I-29	390	J-13	410	J-29	380
I-30	400	J-14	400	J-30	380
I-31	400	J-15	390	J-31	400
I-32	390	J-16	400	J-32	400
J-1	480	J-17	380		

[1]Survey number 101497-001, conducted by Doug Brown of IT Corporation on October 14, 1997.

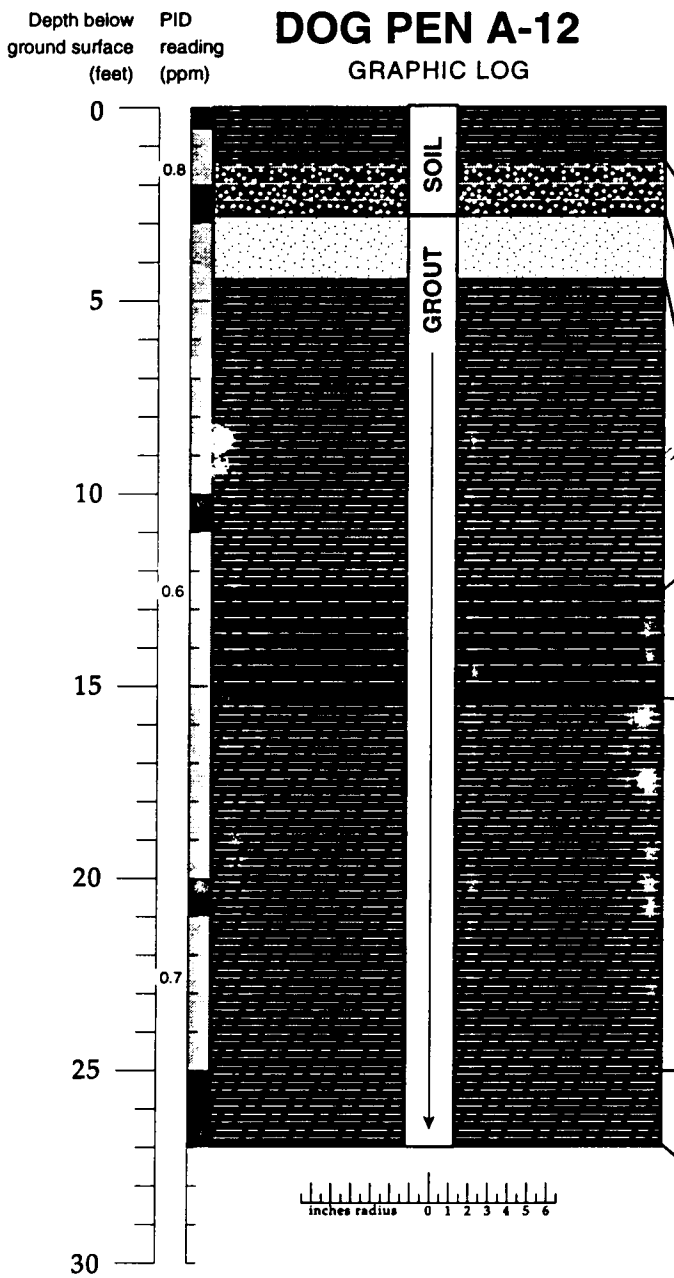
APPENDIX B

BORING LOGS

APPENDIX B1

DPI PHASE C BORING LOGS

DOG PEN A-12



DESCRIPTION

Clayey SILT (ML); brown (10YR 4/3); soft to medium stiff; damp; 15-25% clay, 60-65% silt, 10-20% very fine sand; low plasticity; LEK; [rootlets]

Silty SAND (SM); dark gray brown (10YR 4/2); medium stiff; damp; 10-15% clay, 30-40% silt, 50-60% very fine sand; very low plasticity; HEK

SAND (SW); dark gray brown (10YR 4/2); loose; damp; 0-5% fines, 95-100% fine to coarse sand; no plasticity; VHEK

Clayey SILT (ML); dark gray brown (10YR 4/2); soft; damp; 25-30% clay, 60-70% silt, 5-10% very fine sand; low to medium plasticity; LEK

Clayey SILT (ML); dark gray brown (10YR 4/2); medium stiff; damp; 25-35% clay, 60-65% silt, 5-10% very fine sand; low to medium plasticity; LEK

Silty CLAY (CL); yellow brown (10YR 5/4); soft; damp; 40-50% clay, 30-40% silt, 10-20% very fine sand; medium plasticity; LEK

14.5 - 15.0' Sand lens 40-50% fine to medium sand

Clayey SILT (ML); yellow brown (10YR 4/6); medium stiff; damp to dry; 15-25% clay, 60-70% silt, 10-15% very fine sand; low plasticity; LEK

Clayey SILT (ML); light olive brown (2-5YR 5/4); stiff; damp; 15-25% clay, 60-70% silt, 10-15% very fine sand; low plasticity; LEK

Total Depth @ 27.0'

EXPLANATION

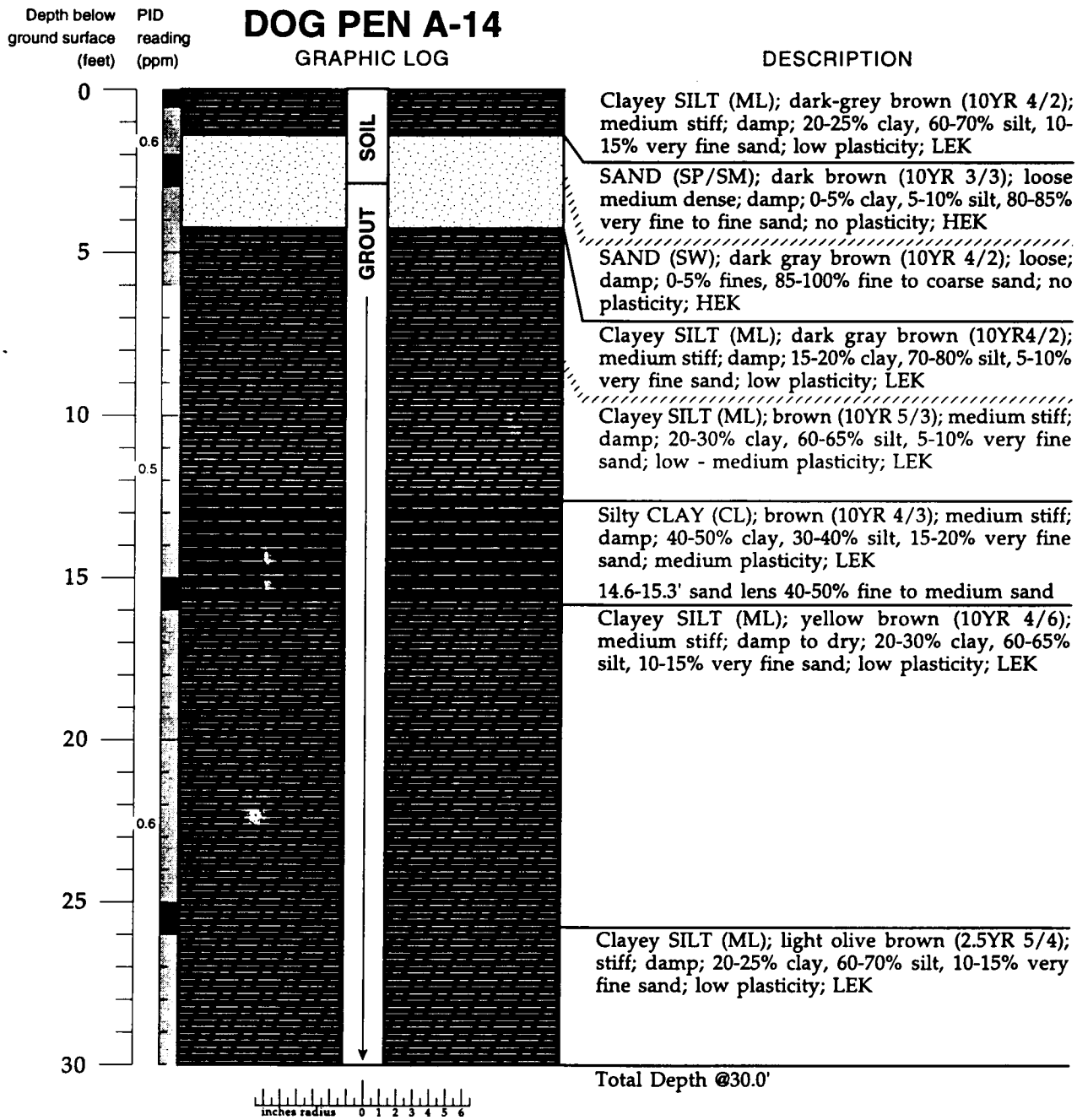
- Water level during drilling (date)
- Water level (date)
- Contact (dotted where approximate)
- Uncertain contact
- Gradational contact
- Location of recovered drive sample
- Location of drive sample sealed for chemical analysis
- EK = Estimated hydraulic conductivity (VL=very low; L=low; M=moderate; H=high; VH= very high)

Logged By: Erik Nielsen
Supervisor: Jim Ponton
Drilling Company: Precision Sampling
License Number: C57 636387
Driller: Stuart King/Ken Perez
Drilling Method: Direct Push
Date Drilled: March 3, 1998
Well Head Completion: NA
Type of Sampler: Continuous Core
Ground Surface Elevation: feet above mean sea level
PID: Photoionization Detector

Figure B1-1. Boring Log Details - Boring A-12 - LEHR Dog Pens

Weiss Associates

DOG PEN A-14



EXPLANATION

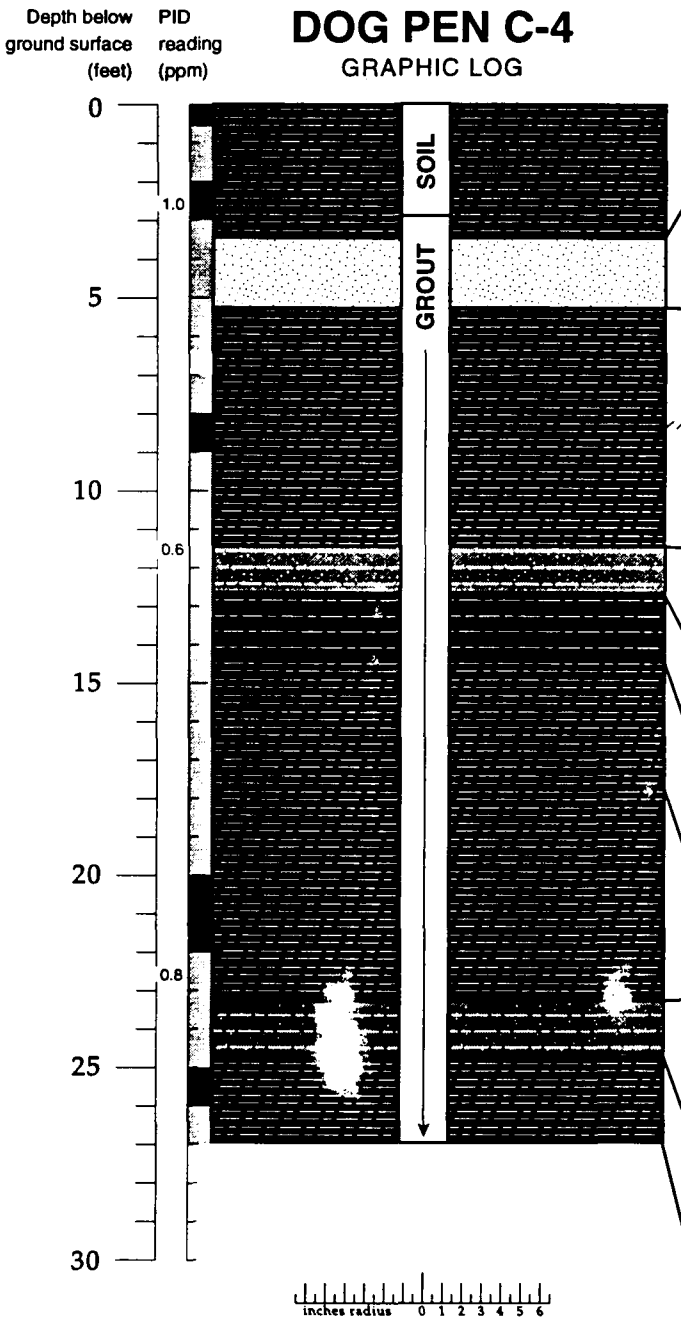
▼	Water level during drilling (date)
▽	Water level (date)
——·····	Contact (dotted where approximate)
—?—?—	Uncertain contact
////////	Gradational contact
▒	Location of recovered drive sample
■	Location of drive sample sealed for chemical analysis
EK =	Estimated hydraulic conductivity (VL=very low; L=low; M=moderate; H=high; VH= very high)

Logged By:	Erik Nielsen
Supervisor:	Jim Ponton
Drilling Company:	Precision Sampling
License Number:	C57 636387
Driller:	Stuart King/Ken Perez
Drilling Method:	Direct Push
Date Drilled:	March 3, 1998
Well Head Completion:	NA
Type of Sampler:	Continuous Core
Ground Surface Elevation:	feet above mean sea level
PID:	Photoionization Detector

Figure B1-2. Boring Log Details - Boring A-14 - LEHR Dog Pens

Weiss Associates

DOG PEN C-4



DESCRIPTION

Clayey SILT (ML); very dark-grey brown (10YR 3/2); soft; damp; 20-25% clay, 60-70% silt, 10-15% very fine sand; low to medium plasticity; LEK

SAND (SP/SM); very dark gray brown (10YR 3/2); loose; moist; 0-5% clay, 5-10% silt, 90-95% very fine to fine sand; no plasticity; HEK

Clayey SILT (ML); very dark gray brown (10YR 3/2); stiff; damp; 20-25% clay, 60-70% silt, 10-15% very fine sand; low plasticity; LEK

Clayey SILT (ML); brown (10YR 4/3); stiff; damp; 15-20% clay, 70-75% silt, 10-15% very fine sand; low plasticity; LEK

Sandy SILT (ML); dark yellow brown (10YR 4/4); medium stiff; damp; 15-20% clay, 50-60% silt, 20-30% very fine sand; low plasticity; MEK

Silty CLAY (CH); dark yellow brown (10YR 4/4); soft; damp; 30-60% clay, 40-45% silt, 0-5% very fine sand; high plasticity; VLEK

Clayey SILT (ML); dark yellow brown (10YR 4/4); medium stiff; damp; 30-40% clay, 50-60% silt, 5-10% very fine sand; medium plasticity; LEK

16.5' 5% mottled pale olive (5YR 6/3)

Clayey SILT (ML); yellow brown (10YR 5/6); stiff; dry; 15-25% clay, 60-65% silt, 10-20% very fine sand; low plasticity; LEK; [MnO_2, $CaCO_3$ specks]

21' very stiff

Sandy SILT (ML); dark yellow brown (10YR 4/6) w/5-10% mottled pale olive (5yr 6/4); stiff; dry; 10-20% clay, 50-60% silt, 20-30% very fine sand; low plasticity; LEK

Clayey SILT (ML); yellow brown (10YR 5/4); stiff; dry; 20-30% clay, 50-60% silt, 10-20% very fine sand; low to medium plasticity; LEK; [MnO_2 specks]

Total Depth @27.0'

EXPLANATION

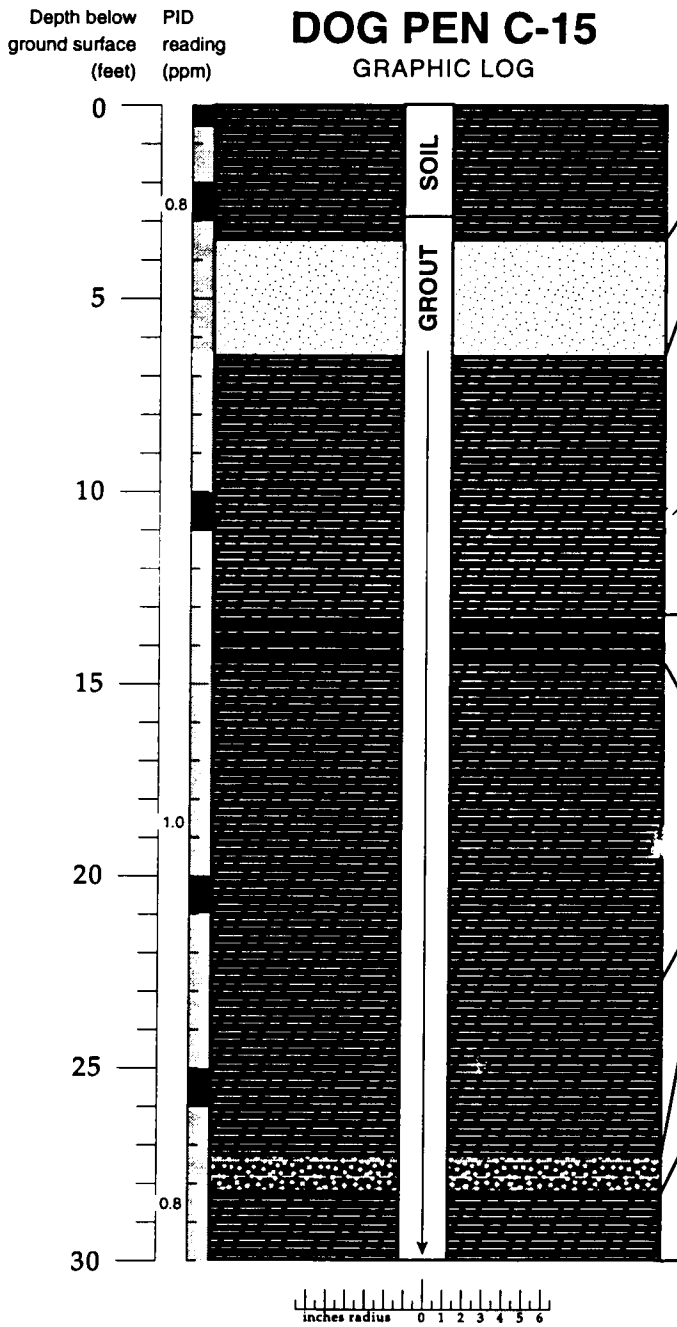
- Water level during drilling (date)
- Water level (date)
- Contact (dotted where approximate)
- Uncertain contact
- Gradational contact
- Location of recovered drive sample
- Location of drive sample sealed for chemical analysis
- EK = Estimated hydraulic conductivity (VL=very low; L=low; M=moderate; H=high; VH= very high)

Logged By: Erik Nielsen
Supervisor: Jim Ponton
Drilling Company: Precision Sampling
License Number: C57 636387
Driller: Stuart King/Ken Perez
Drilling Method: Direct Push
Date Drilled: March 3, 1998
Well Head Completion: NA
Type of Sampler: Continuous Core
Ground Surface Elevation: feet above mean sea level
PID: Photoionization Detector

Figure B1-3. Boring Log Details - Boring C-4 - LEHR Dog Pens

Weiss Associates

DOG PEN C-15



DESCRIPTION

Clayey SILT (ML); dark brown (10YR 3/2); medium stiff; moist; 15-20% clay, 65-70% silt, 10-15% very fine sand; low plasticity; LEK

SAND (SP/SM); very dark gray brown (10YR 3/2); loose; moist; 0-5% clay, 5-10% silt, 90-95% very fine to fine sand; no plasticity; HEK; [FeOx specks]

Clayey SILT (ML); brown (10YR 4/3); soft; wet; 20-30% clay, 50-60% silt, 15-20% very fine sand; medium plasticity; LEK

9.5' color changes to yellow brown (10YR 5.4)

Clayey SILT (ML); yellow brown (10YR 5/4); medium stiff; damp; 20-30% clay, 60-70% silt, 5-10% very fine sand; medium plasticity; LEK

Silty CLAY (CL); dark yellow brown (10YR 4/4); soft; damp; 50-60% clay, 40-45% silt, 0-5% very fine sand; medium plasticity; VLEK

Clayey SILT (ML); dark yellow brown (10YR 4/4); medium stiff; damp; 30-40% clay, 50-60% silt, 5-10% very fine sand; medium plasticity; LEK; [MnO_2 specks]

21.5' very stiff

Clayey SILT (ML); yellow brown (10YR 5/4); very stiff; dry; 10-15% clay, 70-80% silt, 5-15% very fine sand; low plasticity; LEK; [extensive $CoCo_3$]

Silty SAND (SM); dark yellow brown (10YR 3/3); medium dense; damp; 10-15% clay, 20-30% silt, 50-60% very fine to medium sand; very low plasticity; MEK;

Clayey SILT (ML); yellow brown (10YR 5/4); stiff; damp; 15-20% clay, 70-80% silt, 5-10% very fine sand; low plasticity; LEK

Total Depth @30.0'

EXPLANATION

- ▼ Water level during drilling (date)
- ▽ Water level (date)
- ——····· Contact (dotted where approximate)
- —?—?— Uncertain contact
- ////////// Gradational contact
- Location of recovered drive sample
- Location of drive sample sealed for chemical analysis
- EK = Estimated hydraulic conductivity (VL=very low; L=low; M=moderate; H=high; VH= very high)

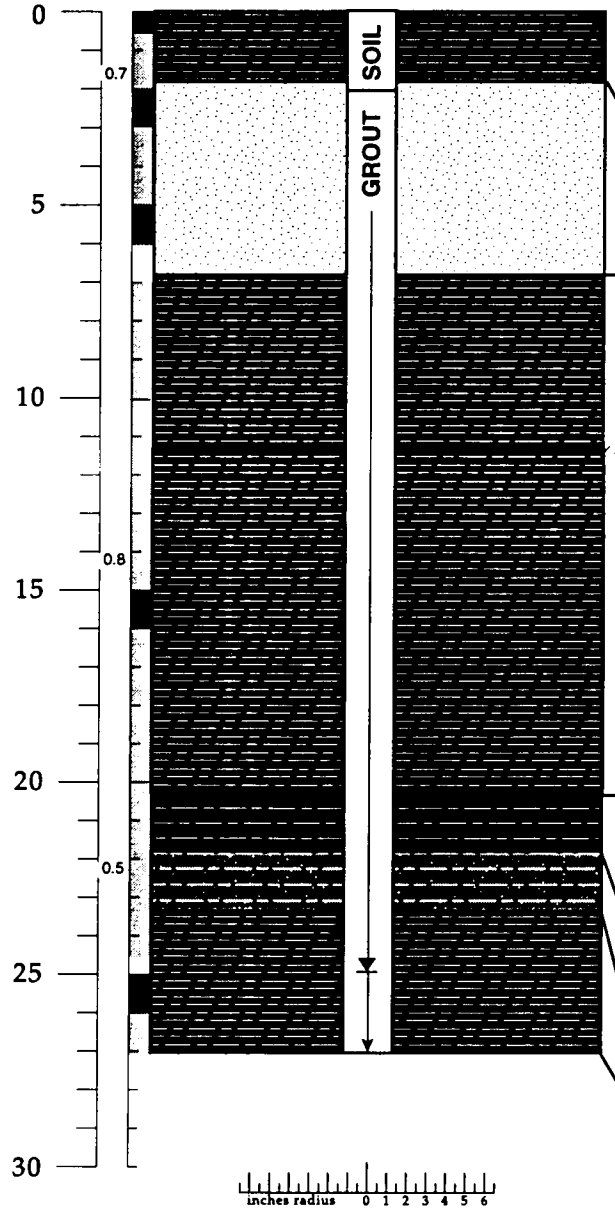
Logged By:	Erik Nielsen
Supervisor:	Jim Ponton
Drilling Company:	Precision Sampling
License Number:	C57 636387
Driller:	Stuart King/Ken Perez
Drilling Method:	Direct Push
Date Drilled:	March 3, 1998
Well Head Completion:	NA
Type of Sampler:	Continuous Core
Ground Surface Elevation:	feet above mean sea level
PID:	Photoionization Detector

Figure B1-4. Boring Log Details - Boring C-15 - LEHR Dog Pens

Weiss Associates

DOG PEN C-27

GRAPHIC LOG



DESCRIPTION

Clayey SILT (ML); very dark gray brown (10YR 3/2); medium stiff; moist; 20-30% clay, 60-65% silt, 10-15% very fine sand; low to medium plasticity; LEK

SAND (SP/SM); very dark gray brown (10YR 3/2); loose, wet; 0-5% clay, 5-10% silt, 90-95% very fine to medium sand; no plasticity; HEK

Clayey SILT (MH); very dark gray brown (10YR 3/2); medium stiff, moist; 40-50% clay, 50-55% silt, 0-5% very fine sand; medium plasticity; LEK

Clayey SILT (ML); dark yellow brown (10YR 4/4); medium stiff; damp; 20-30% clay, 50-60% silt, 10-20% very fine sand; low to medium plasticity; [MnO_2 blebs]; LEK

*Stop work 8:50/2-19-98 due to weather-rain/wind; resume drilling 8:05/2-20-98

18.0' low plasticity, 10-20% clay; increasing density, stiff to very stiff; [5% mottled pale olive (5YR 6/3)]

Silty CLAY (CH); dark yellow brown (10YR 4/6); stiff; damp; 50-60% clay, 30-40% silt, 0-5% very fine sand; medium to high plasticity; VLEK; [MnO_2 specks, $CaCO_3$ blebs]

Sandy SILT (ML); dark yellow brown (10YR 4/6); stiff; dry; 10-20% clay, 50-60% silt, 20-30% very fine sand; low plasticity; L-MEK; [MnO_2 specks]

Clayey SILT (ML); dark yellow brown (10YR 4/6); stiff; dry; 15-20% clay, 70-80% silt, 5-10% very fine sand; low plasticity; LEK

Total Depth @27.0'

EXPLANATION

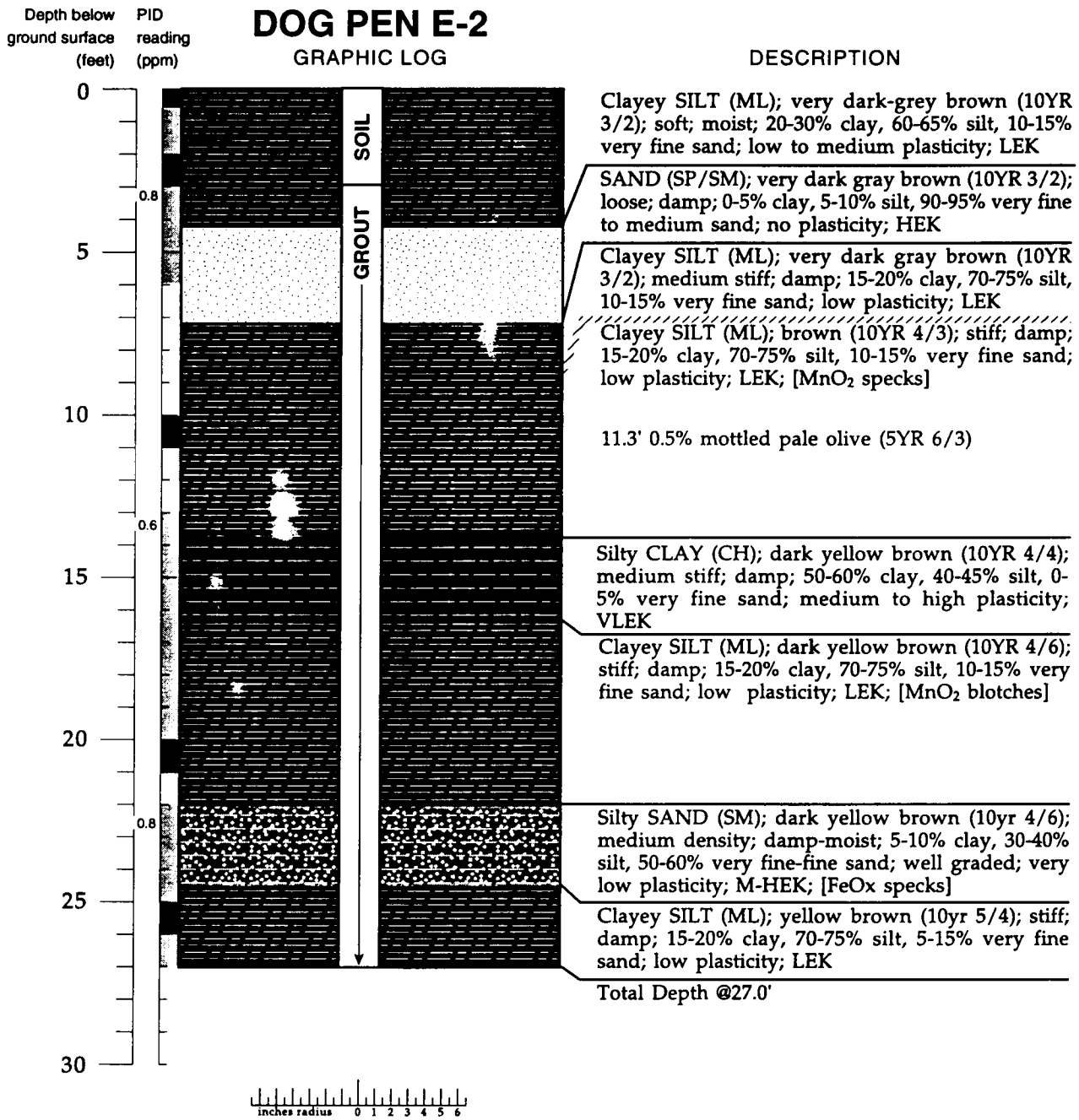
- ▼ Water level during drilling (date)
- ▽ Water level (date)
- —····· Contact (dotted where approximate)
- —?—?— Uncertain contact
- //////// Gradational contact
- Location of recovered drive sample
- Location of drive sample sealed for chemical analysis
- EK = Estimated hydraulic conductivity (VL=very low; L=low; M=moderate; H=high; VH= very high)

Logged By:	Erik Nielsen
Supervisor:	Jim Ponton
Drilling Company:	Precision Sampling
License Number:	C57 636387
Driller:	Stuart King/Ken Perez
Drilling Method:	Direct Push
Date Drilled:	February 19-20, 1998
Well Head Completion:	NA
Type of Sampler:	Continuous Core
Ground Surface Elevation:	feet above mean sea level
PID:	Photoionization Detector

Figure B1-5. Boring Log Details - Boring C-27 - LEHR Dog Pens

Weiss Associates

DOG PEN E-2



EXPLANATION

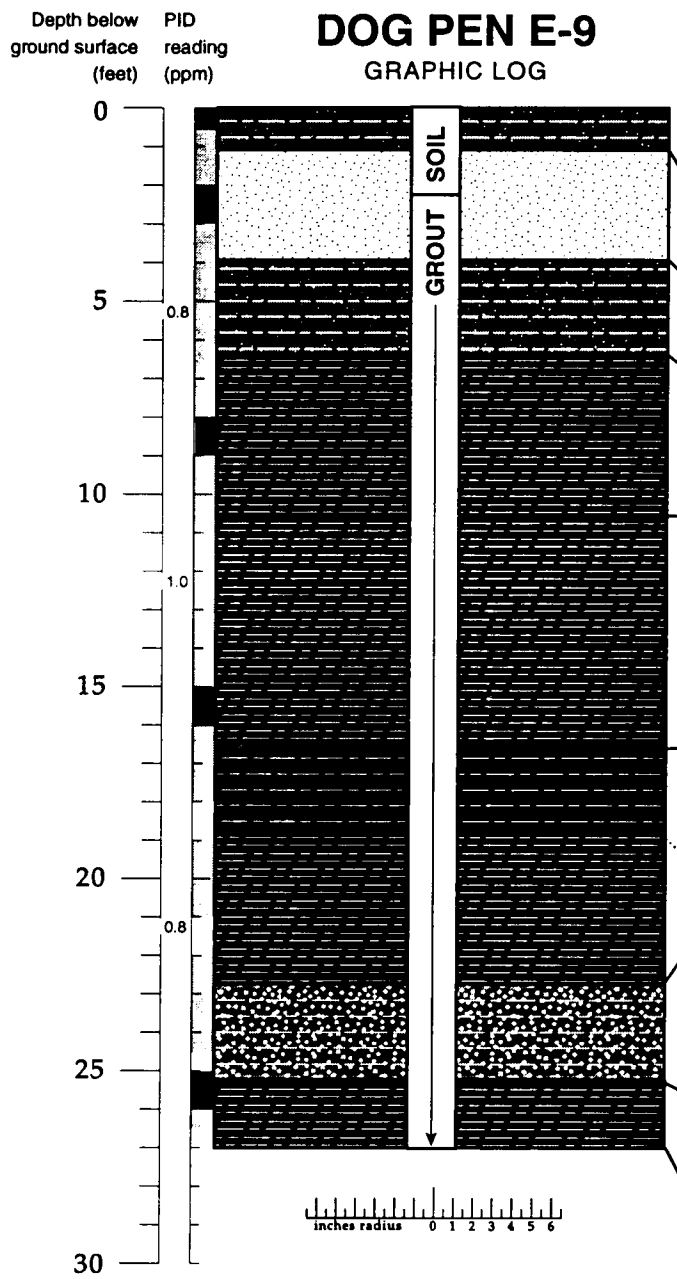
▼	Water level during drilling (date)
▽	Water level (date)
——·····	Contact (dotted where approximate)
—?—?—	Uncertain contact
////////	Gradational contact
	Location of recovered drive sample
	Location of drive sample sealed for chemical analysis
EK =	Estimated hydraulic conductivity (VL=very low; L=low; M=moderate; H=high; VH= very high)

Logged By:	Erik Nielsen
Supervisor:	Jim Ponton
Drilling Company:	Precision Sampling
License Number:	C57 636387
Driller:	Stuart King/Ken Perez
Drilling Method:	Direct Push
Date Drilled:	February 20, 1998
Well Head Completion:	NA
Type of Sampler:	Continuous Core
Ground Surface Elevation:	feet above mean sea level
PID:	Photoionization Detector

Figure B1-6. Boring Log Details - Boring E-2 - LEHR Dog Pens

Weiss Associates

DOG PEN E-9



DESCRIPTION

Sandy SILT (ML); dark brown (10YR 3/3); medium stiff; wet; 10-15% clay, 60-70% silt, 20-25% very fine sand; low plasticity; L-MEK

SAND (SP/SM); dark brown (10YR 3/3); loose; damp; 0-5% clay, 5-10% silt, 90-95% very fine to fine sand; no plasticity; HEK

Sandy SILT (ML); dark brown (10YR 3/3); medium stiff; damp; 15-20% clay, 50-60% silt, 20-30% very fine sand; low plasticity; MEK

Clayey SILT (ML); very dark gray brown (10YR 3/2); stiff; damp; 25-35% clay, 60-65% silt, 5-10% very fine sand; medium plasticity; LEK

8.4' color change to brown (10YR 4/3)

Clayey SILT (ML); dark yellow brown (10YR 4/4); stiff; damp; 25-35% clay, 60-65% silt, 5-10% very fine sand; medium plasticity; LEK

13.0' clear plastic on sampler, source unknown

Silty CLAY (CL); dark yellow brown (10YR 4/4); medium stiff; damp; 50-60% clay, 30-40% silt, 0-5% very fine sand; medium to high plasticity; VLEK

Clayey SILT (ML); dark yellow brown (10YR 4/4); stiff; damp; 30-40% clay, 50-60% silt, 0-5% very fine sand; medium plasticity; LEK

Silty SAND (SM); dark yellow brown (10YR 4/4); medium density; moist; 10-15% clay, 30-40% silt, 45-50% very fine to fine sand; well graded; low plasticity; M-HEK; [0.5% mottled pale olive]

25.0' moist to wet

Clayey SILT (ML); olive brown (2.5Y 4/4); stiff; moist; 15-20% clay, 70-80% silt, 5-10% very fine sand; low plasticity; LEK

Total Depth @27.0'

EXPLANATION

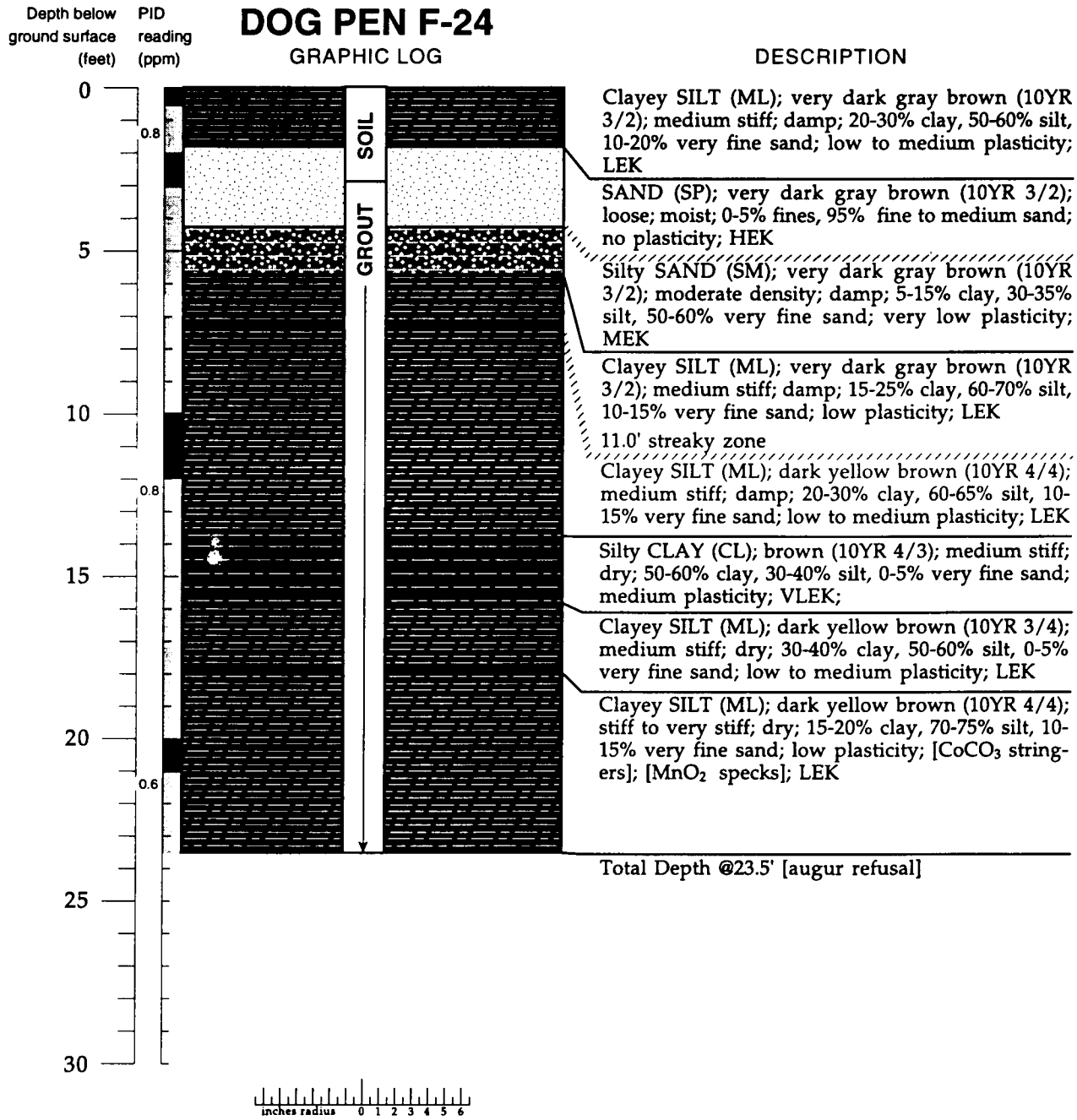
- ▼ Water level during drilling (date)
- ▽ Water level (date)
- ——····· Contact (dotted where approximate)
- —?—?— Uncertain contact
- ////////// Gradational contact
- Location of recovered drive sample
- Location of drive sample sealed for chemical analysis
- EK = Estimated hydraulic conductivity (VL=very low; L=low; M=moderate; H=high; VH= very high)

Logged By:	Erik Nielsen
Supervisor:	Jim Ponton
Drilling Company:	Precision Sampling
License Number:	C57 636387
Driller:	Stuart King/Ken Perez
Drilling Method:	Direct Push
Date Drilled:	February 17, 1998
Well Head Completion:	NA
Type of Sampler:	Continuous Core
Ground Surface Elevation:	feet above mean sea level
PID:	Photoionization Detector

Figure B1-7. Boring Log Details - Boring E-9 - LEHR Dog Pens

Weiss Associates

DOG PEN F-24



EXPLANATION

▼	Water level during drilling (date)
▽	Water level (date)
——·····	Contact (dotted where approximate)
—?—?—	Uncertain contact
////////	Gradational contact
▒	Location of recovered drive sample
■	Location of drive sample sealed for chemical analysis
EK =	Estimated hydraulic conductivity (VL=very low; L=low; M=moderate; H=high; VH= very high)

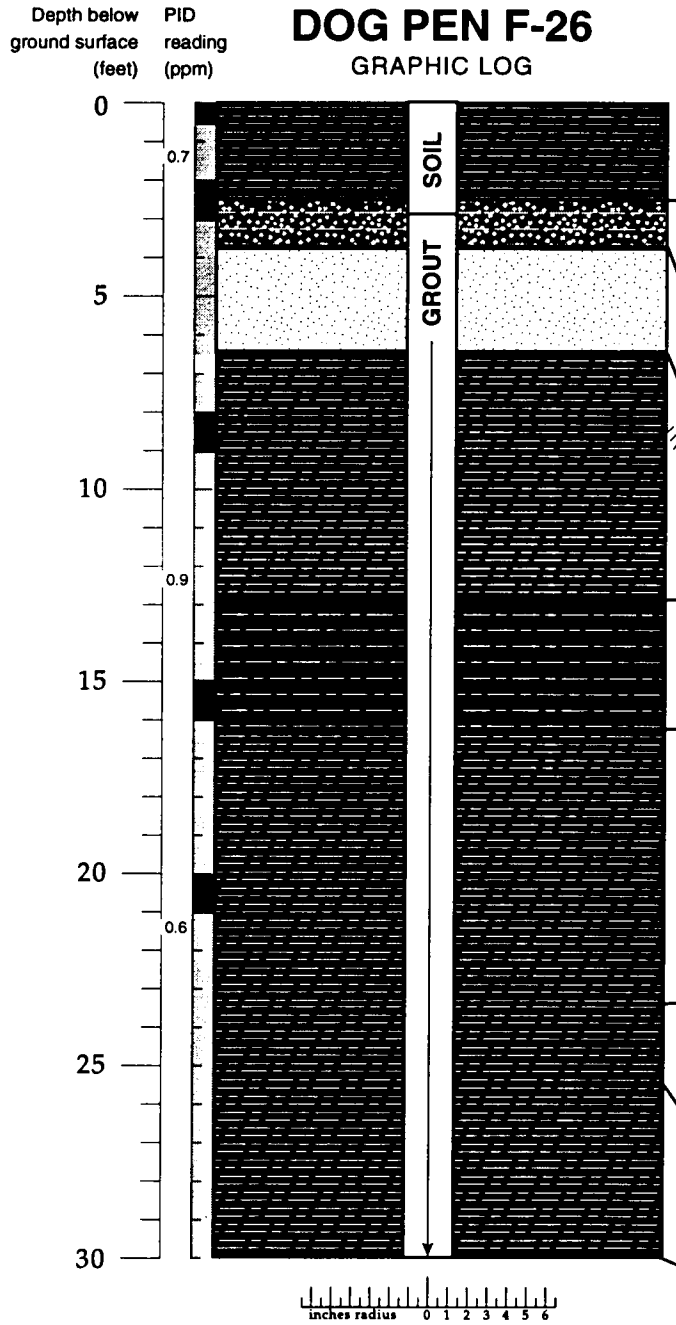
Logged By:	Erik Nielsen
Supervisor:	Jim Ponton
Drilling Company:	Precision Sampling
License Number:	C57 636387
Driller:	Stuart King/Ken Perez
Drilling Method:	Direct Push
Date Drilled:	February 24, 1998
Well Head Completion:	NA
Type of Sampler:	Continuous Core
Ground Surface Elevation:	feet above mean sea level
PID:	Photoionization Detector

Figure B1-8. Boring Log Details - Boring F-24 - LEHR Dog Pens

Weiss Associates

DOG PEN F-26

GRAPHIC LOG



DESCRIPTION

Clayey SILT (ML); very dark gray brown (10YR 3/2); medium stiff; moist; 15-25% clay, 60-70% silt, 10-15% very fine sand; low plasticity; LEK

Silty SAND (SM); very dark gray brown (10YR 3/2); moderate density; damp; 5-10% clay, 30-40% silt, 50-60% very fine-fine sand; very low plasticity; MEK

SAND (SP/SM); very dark gray brown (10YR 3/2); loose; damp; 0-5% clay, 5-10% silt, 90-95% very fine to medium sand; no plasticity; HEK

Clayey SILT (ML); very dark gray brown (10YR 3/2); medium stiff; damp; 15-20% clay, 70-75% silt, 10-15% very fine sand; low plasticity; LEK

Clayey SILT (ML); brown (10YR 4/3); stiff; damp; 15-20% clay, 70-75% silt, 10-15% very fine sand; low plasticity; [MnO_2 specks]; LEK

Silty CLAY (CH); dark yellow brown (10YR 4/4); medium stiff; damp; 50-60% clay, 40-45% silt, 0-5% very fine sand; medium to high plasticity; VLEK;

Clayey SILT (ML); dark yellow brown (10YR 4/4); stiff; damp; 20-30% clay, 60-65% silt, 5-15% very fine sand; low to medium plasticity; [MnO_2 blotches]; [$CoCO_3$ blebs and veinlets]; LEK

19.0' very stiff; dry; 15-20% clay; low plasticity

Clayey SILT (ML); yellow brown (10YR 5/4); very stiff; dry; 10-15% clay, 70-80% silt, 5-10% very fine sand; low plasticity; [FeOx specks]; [MnO_2 blotches]; [$CoCO_3$ replacement]; LEK

Clayey SILT (ML); olive brown (2.5Y 4/4); stiff; dry; 15-20% clay, 70-75% silt, 5-15% very fine sand; low plasticity; [MnO_2 blotches]; [$CoCO_3$ replacement]; LEK

27.4' damp-moist

Total Depth @30.0'

EXPLANATION

- Water level during drilling (date)
- Water level (date)
- Contact (dotted where approximate)
- Uncertain contact
- Gradational contact
- Location of recovered drive sample
- Location of drive sample sealed for chemical analysis
- EK = Estimated hydraulic conductivity (VL=very low; L=low; M=moderate; H=high; VH= very high)

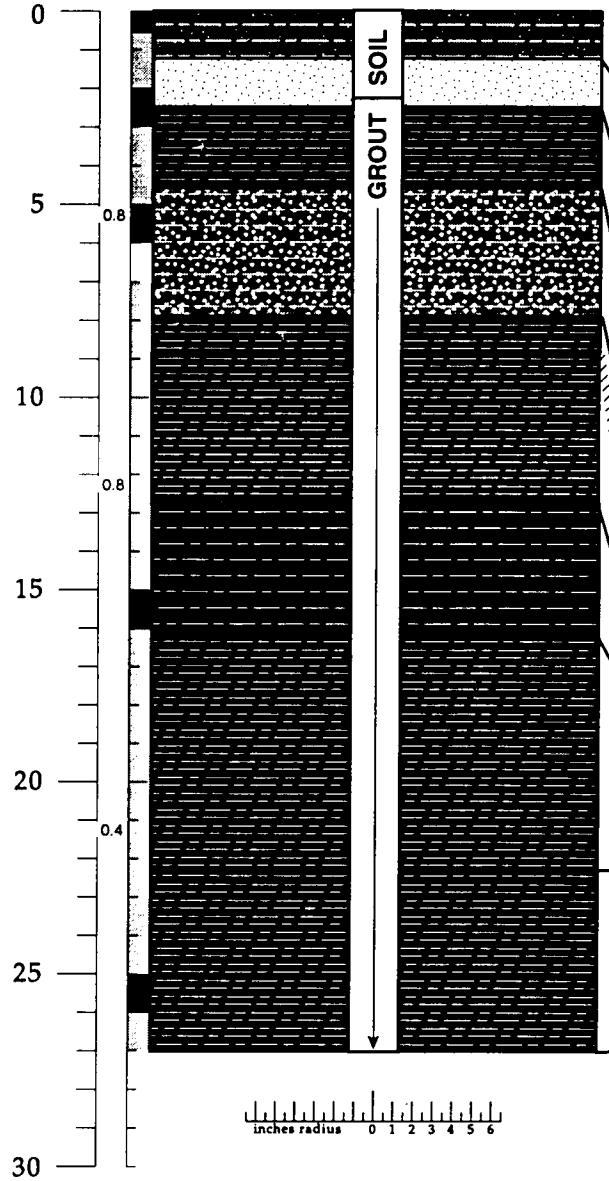
Logged By: Erik Nielsen
Supervisor: Jim Ponton
Drilling Company: Precision Sampling
License Number: C57 636387
Driller: Stuart King/Ken Perez
Drilling Method: Direct Push
Date Drilled: February 20, 1998
Well Head Completion: NA
Type of Sampler: Continuous Core
Ground Surface Elevation: feet above mean sea level
PID: Photoionization Detector

Figure B1-9. Boring Log Details - Boring F-26 - LEHR Dog Pens

Weiss Associates

DOG PEN F-29

GRAPHIC LOG



DESCRIPTION

Sandy SILT (ML); very dark gray brown (10YR 3/2); medium stiff; damp; 15-20% clay, 60-65% silt, 20-25% very fine sand; low plasticity; LEK

SAND (SP); very dark gray brown (10YR 3/2); loose; damp; 0-5% fine sand, 95-100% very fine to medium sand; no plasticity; HEK

Clayey SILT (ML); very dark gray brown (10YR 3/2); medium stiff; damp; 20-30% clay, 50-60% silt, 10-20% very fine sand; low to medium plasticity; LEK

Silty SAND (SM); very dark gray brown (10YR 3/2); medium density; damp; 5-15% clay, 30-35% silt, 50-60% very fine sand; very low plasticity; MEK

Clayey SILT (ML); very dark gray brown (10YR 3/2); medium stiff; damp; 30-35% clay, 60-70% silt, 0-5% very fine sand; medium plasticity; LEK

Clayey SILT (ML); dark yellow brown (10YR 4/4); medium stiff; damp; 20-25% clay, 60-70% silt, 10-15% very fine sand; low plasticity; LEK

Silty CLAY (CL); brown (10YR 4/3); medium stiff; damp; 50-60% clay, 40-45% silt, 0-5% very fine-fine sand; medium plasticity; VLEK

Clayey SILT (ML); dark yellow brown (10YR 4/6); stiff; damp; 20-25% clay, 60-70% silt, 10-15% very fine sand; low to medium plasticity; LEK

18.0' 0.5% mottled pale olive (5Y 6/3)

Clayey SILT (ML); olive brown (2.5Y 4/3); stiff; dry; 15-20% clay, 70-80% silt, 5-10% very fine sand; low plasticity; [caliche stringers and blebs]; [Mn-O_2 blotches]; LEK

Total Depth @27.0'

EXPLANATION

- ▼ Water level during drilling (date)
- ▽ Water level (date)
- ——····· Contact (dotted where approximate)
- —?—?— Uncertain contact
- ////////// Gradational contact
- Location of recovered drive sample
- Location of drive sample sealed for chemical analysis
- EK = Estimated hydraulic conductivity (VL=very low; L=low; M=moderate; H=high; VH= very high)

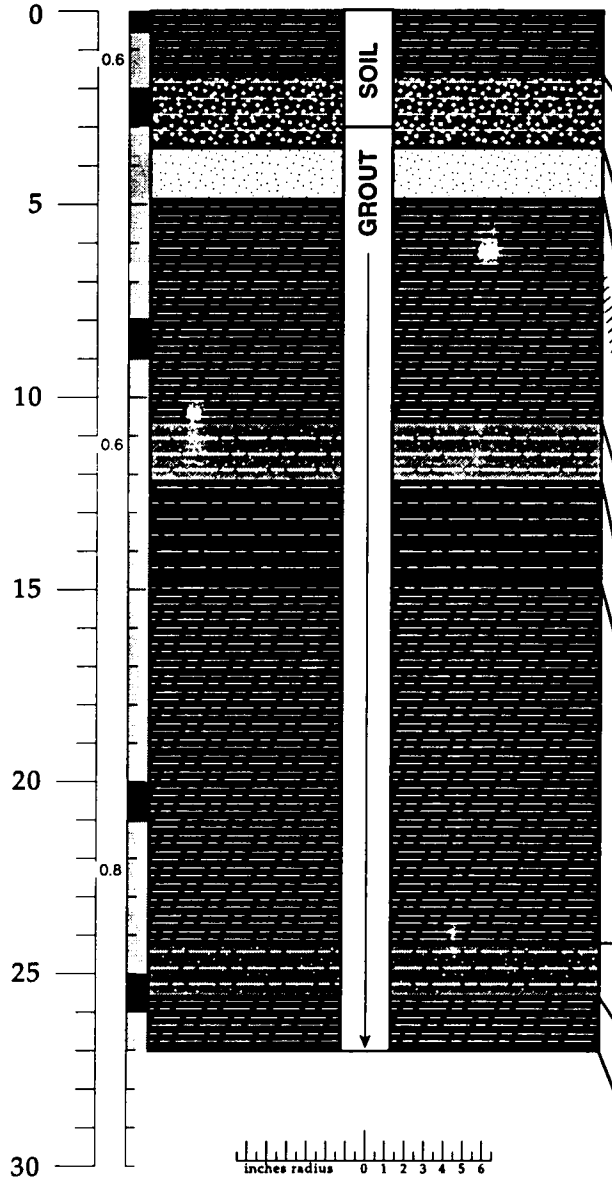
Logged By:	Erik Nielsen
Supervisor:	Jim Ponton
Drilling Company:	Precision Sampling
License Number:	C57 636387
Driller:	Stuart King/Ken Perez
Drilling Method:	Direct Push
Date Drilled:	February 24, 1998
Well Head Completion:	NA
Type of Sampler:	Continuous Core
Ground Surface Elevation:	feet above mean sea level
PID:	Photoionization Detector

Figure B1-10. Boring Log Details - Boring F-29 - LEHR Dog Pens

Weiss Associates

DOG PEN G-12

GRAPHIC LOG



DESCRIPTION

Clayey SILT (ML); very dark gray brown (10YR 3/2); medium stiff; moist; 20-30% clay, 60-65% silt, 10-15% very fine sand; low to medium plasticity; LEK

Silty SAND (SM); dark red brown (2.5YR 3/3); medium density; damp; 15-20% clay, 30-40% silt, 40-50% very fine sand; low plasticity; [possibly brick]; MEK

SAND (SP); very dark gray brown (10YR 3/2); loose; damp-moist; 0-5% fines, 95% very fine to fine sand; no plasticity; HEK

Clayey SILT (ML); very dark gray brown (10YR 3/2); stiff; damp; 15-20% clay, 70-75% silt, 10-15% very fine sand; low plasticity; LEK

Clayey SILT (ML); brown (10YR 4/3); medium stiff; damp; 20-30% clay, 60-70% silt, 5-10% very fine sand; low to medium plasticity; LEK

Sandy SILT (ML); brown (10YR 4/3); soft; damp; 20-25% clay, 50-60% silt, 20-30% very fine sand; L-MEK

Silty CLAY (CL); brown (10YR 4/3); medium stiff; 40-50% clay, 35-45% silt, 5-10% very fine sand; medium plasticity; VLEK

Clayey SILT (ML); dark yellow brown (10YR 4/6); stiff; damp; 20-30% clay, 60-70% silt, 5-10% very fine sand; low to medium plasticity; LEK

17.5' 0.5% mottled pale olive (5YR 6/3); [MnO_2 blotches]

21.5' 0.5% very stiff; dry

Sandy SILT (ML); yellow brown (10YR 5/4); stiff; dry; 10-15% clay, 60-70% silt, 15-25% very fine sand; very low plasticity; L-MEK; [$CaCO_3$ blebs]

Clayey SILT (ML); yellow brown (10YR 5/4); medium stiff; dry; 15-25% clay, 70-75% silt, 5-10% very fine sand; low plasticity; LEK

Total Depth @27.0'

EXPLANATION

▼	Water level during drilling (date)
▽	Water level (date)
——·····	Contact (dotted where approximate)
—?—?—	Uncertain contact
////////	Gradational contact
	Location of recovered drive sample
	Location of drive sample sealed for chemical analysis
EK =	Estimated hydraulic conductivity (VL=very low; L=low; M=moderate; H=high; VH= very high)

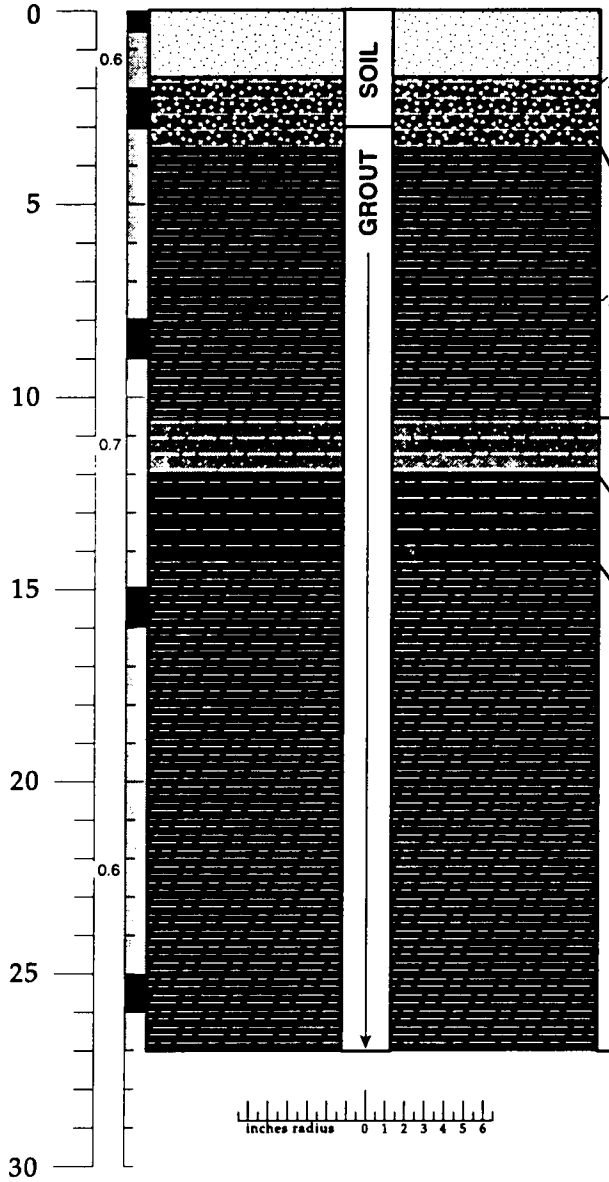
Logged By:	Erik Nielsen
Supervisor:	Jim Ponton
Drilling Company:	Precision Sampling
License Number:	C57 636387
Driller:	Stuart King/Ken Perez
Drilling Method:	Direct Push
Date Drilled:	February 24, 1998
Well Head Completion:	NA
Type of Sampler:	Continuous Core
Ground Surface Elevation:	feet above mean sea level
PID:	Photoionization Detector

Figure B1-11. Boring Log Details - Boring G-12 - LEHR Dog Pens

Weiss Associates

DOG PEN G-13

GRAPHIC LOG



DESCRIPTION

SAND (SP); very dark gray brown (10YR 3/2); loose; damp; 0-5% fines, 95% very fine to medium sand; no plasticity; HEK

Silty SAND (SM); very dark gray brown 10YR 3/2); medium density; damp; 5-10% clay, 20-30% silt, 60-70% very fine sand; very low plasticity; M-HEK

Clayey SILT (ML); very dark gray brown (10YR 3/2); medium stiff; damp; 20-30% clay, 60-65% silt, 10-15% very fine sand; low to medium plasticity; LEK

Clayey SILT (ML); brown (10YR 4/3); stiff; damp; 15-20% clay, 70-75% silt, 10-15% very fine sand; low plasticity; [$CaCO_3$ blotches]; LEK

Sandy SILT (ML); dark yellow brown (10YR 4/4); soft; damp; 15-25% clay, 40-50% silt, 25-35% very fine sand; L-MEK

Silty CLAY (CL); dark yellow brown (10YR 4/4); medium stiff; damp; 45-55% clay, 40-50% silt, 0-5% very fine sand; medium plasticity; VLEK

Clayey SILT (ML); dark yellow brown (10YR 4/6), with 0.5% pale olive (5Y 6/3); stiff; damp; 15-25% clay, 70-75% silt, 5-10% very fine sand; low plasticity; [MnO_2 blotches]; LEK

21.5' very stiff; dry

Total Depth @27.0'

EXPLANATION

- ▼ Water level during drilling (date)
- ▽ Water level (date)
- ——····· Contact (dotted where approximate)
- —?—?— Uncertain contact
- ////////// Gradational contact
- Location of recovered drive sample
- Location of drive sample sealed for chemical analysis
- EK = Estimated hydraulic conductivity (VL=very low; L=low; M=moderate; H=high; VH= very high)

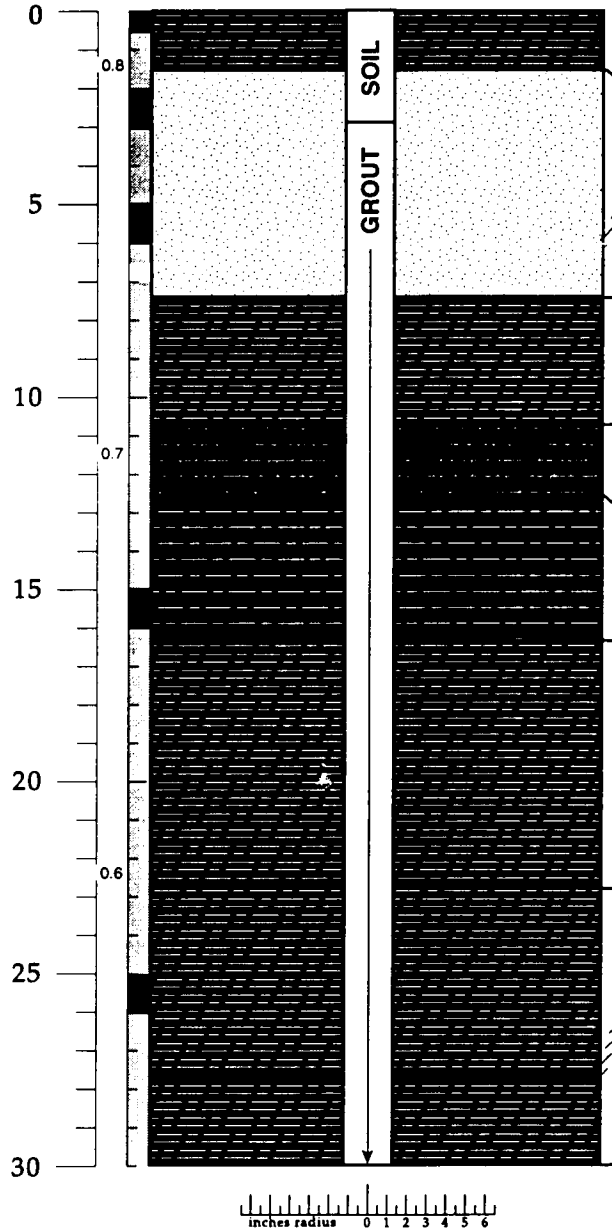
Logged By: Erik Nielsen
Supervisor: Jim Ponton
Drilling Company: Precision Sampling
License Number: C57 636387
Driller: Stuart King/Ken Perez
Drilling Method: Direct Push
Date Drilled: February 20, 1998
Well Head Completion: NA
Type of Sampler: Continuous Core
Ground Surface Elevation: feet above mean sea level
PID: Photoionization Detector

Figure B1-12. Boring Log Details - Boring G-13 - LEHR Dog Pens

Weiss Associates

DOG PEN G-22

GRAPHIC LOG



DESCRIPTION

Clayey SILT (ML); dark brown (10YR 3/3); medium stiff; damp; 15-20% clay, 70-75% silt, 5-10% very fine sand; low plasticity; LEK

SAND (SP); very dark gray brown (10YR 3/2); loose; damp; 0-5% fines, 95-100% very fine to medium sand; no plasticity; HEK

SAND (SP/SM); dark brown (10YR 3/3); loose to moderate density; damp; 0-5% clay, 5-10% silt, 90-95% very fine to fine sand; no plasticity; HEK

Clayey SILT (ML); brown (10YR 4/3); medium stiff; damp; 15-20% clay, 70-80% silt, 5-10% very fine sand; low plasticity; LEK

Sandy CLAY (CL); dark yellow brown (10YR 3/4); soft; damp; 40-50% clay, 15-25% silt, 20-30% very fine sand; medium plasticity; L-MEK

Silty CLAY (CH); brown (10YR 4/3); soft to medium stiff; damp; 50-60% clay, 30-40% silt, 0-5% very fine sand; medium to high plasticity; VLEK

Clayey SILT (ML); dark yellow brown (10YR 4/6); stiff; damp; 20-25% clay, 60-70% silt, 10-15% very fine sand; low to medium plasticity; LEK

18.5' 5-10% mottled pale olive (5Y 6/3) 18.5 MnO_2 specks

Clayey SILT (ML); light olive brown (2.5Y 5/4); stiff to very stiff; dry; 10-20% clay, 70-75% silt, 10-15% very fine sand; low plasticity; LEK

Clayey SILT (ML); dark yellow brown (10YR 4/4), with 10% mottled olive (5Y 5/3); medium stiff; damp; 20-25% clay, 60-70% silt, 10-15% very fine sand; low to medium plasticity; LEK

Total Depth @30.0'

EXPLANATION

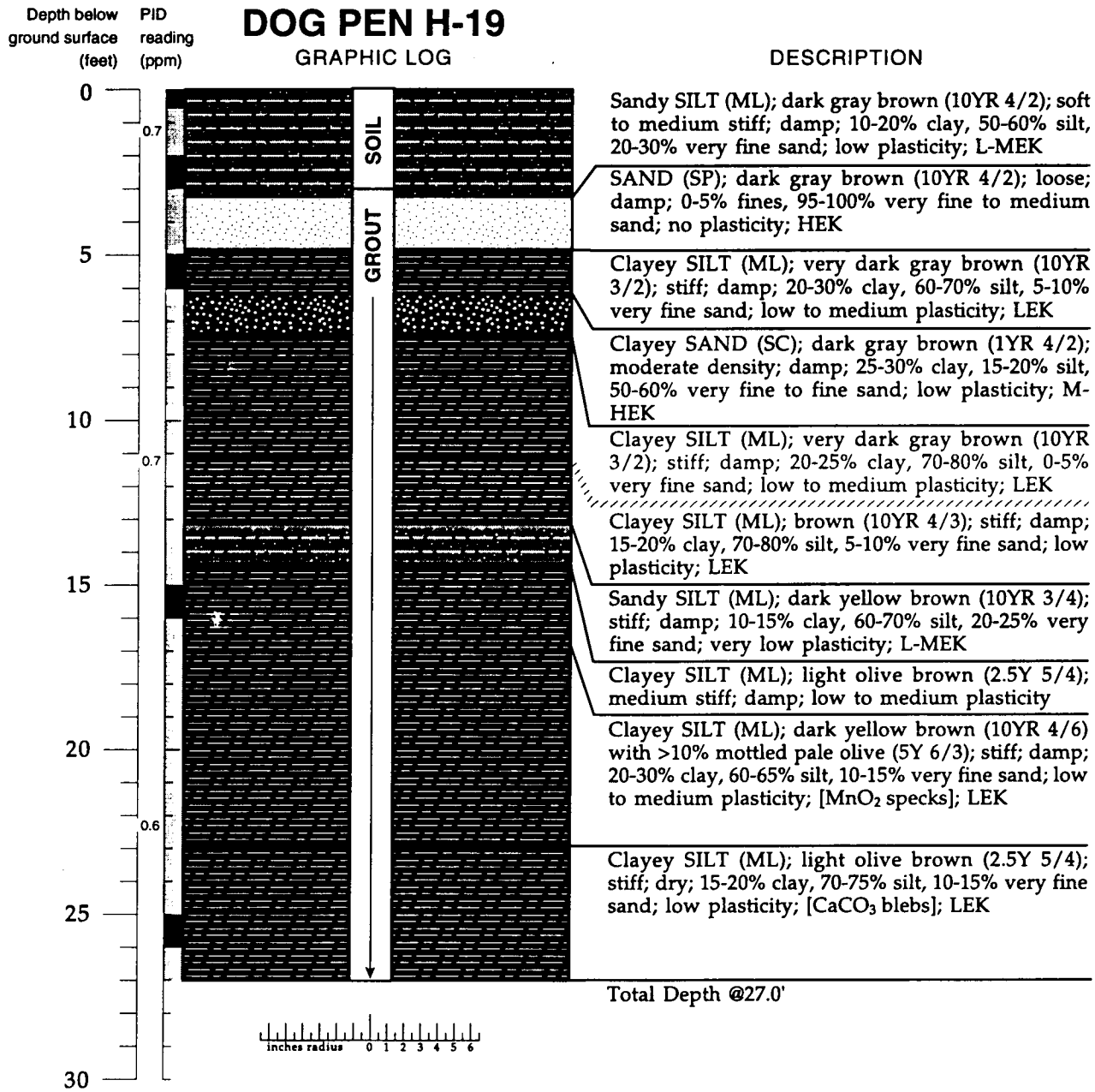
- Water level during drilling (date)
- Water level (date)
- Contact (dotted where approximate)
- Uncertain contact
- Gradational contact
- Location of recovered drive sample
- Location of drive sample sealed for chemical analysis
- EK = Estimated hydraulic conductivity (VL=very low; L=low; M=moderate; H=high; VH= very high)

Logged By: Erik Nielsen
Supervisor: Jim Ponton
Drilling Company: Precision Sampling
License Number: C57 636387
Driller: Stuart King/Ken Perez
Drilling Method: Direct Push
Date Drilled: February 26, 1998
Well Head Completion: NA
Type of Sampler: Continuous Core
Ground Surface Elevation: feet above mean sea level
PID: Photoionization Detector

Figure B1-13. Boring Log Details - Boring G-22 - LEHR Dog Pens

Weiss Associates

DOG PEN H-19



EXPLANATION

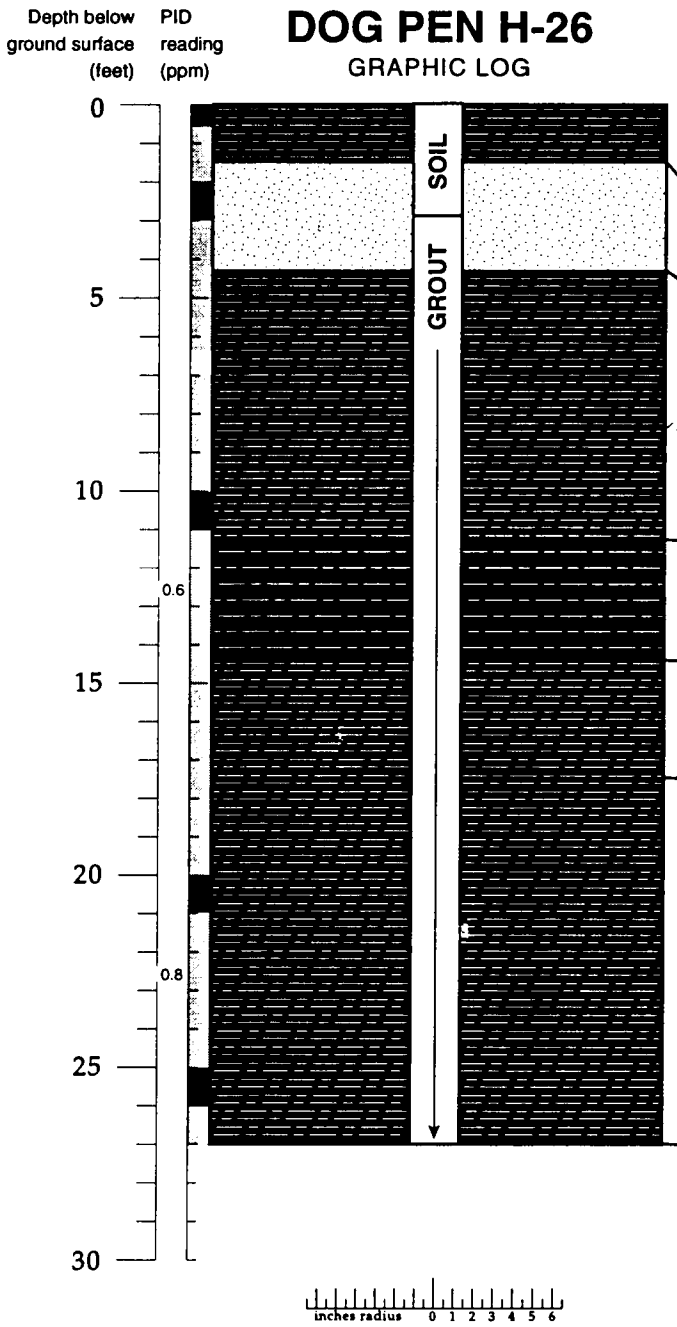
▼	Water level during drilling (date)
▽	Water level (date)
——·····	Contact (dotted where approximate)
—?—?—	Uncertain contact
////////	Gradational contact
	Location of recovered drive sample
	Location of drive sample sealed for chemical analysis
EK =	Estimated hydraulic conductivity (VL=very low; L=low; M=moderate; H=high; VH= very high)

Logged By:	Erik Nielsen
Supervisor:	Jim Ponton
Drilling Company:	Precision Sampling
License Number:	C57 636387
Driller:	Stuart King/Ken Perez
Drilling Method:	Direct Push
Date Drilled:	February 26, 1998
Well Head Completion:	NA
Type of Sampler:	Continuous Core
Ground Surface Elevation:	feet above mean sea level
PID:	Photoionization Detector

Figure B1-14. Boring Log Details - Boring H-19 - LEHR Dog Pens

Weiss Associates

DOG PEN H-26



DESCRIPTION

Clayey SILT (ML); dark grey brown (10YR 4/2); medium stiff; damp; 15-20% clay, 65-70% silt, 10-15% very fine sand; low plasticity; LEK

SAND (SP); very dark gray brown (10YR 3/2); loose; damp; 0-5% clay, 5-10% silt, 95-100% very fine to fine sand; no plasticity; HEK

Clayey SILT (ML); very dark grey brown (10YR 3/2); medium stiff; damp; 20-30% clay, 60-70% silt, 3-5% very fine sand; medium plasticity; LEK

Clayey SILT (ML); brown (10YR 6/3); low to medium stiff; damp; 15-20% clay, 70-80% silt, 5-10% very fine sand; low plasticity; LEK

Silty CLAY (CL); brown (10YR 4/3); soft; damp; 50-60% clay, 40-45% silt, 0-5% very fine sand; medium plasticity; VLEK

Clayey SILT (ML); brown (10YR 4/3); medium stiff; damp; 25-35% clay, 60-70% silt, 0-5% very fine sand; medium plasticity; LEK

Clayey SILT (ML); dark yellow brown (10YR 4/4); stiff; dry-damp; 10-20% clay, 70-80% silt, 5-10% very fine sand; medium plasticity; LEK; [FeOx, MnO_2 specks, Caliche blebs]

20.0' ~5% mottled pale olive (5Y 6/2)

22.5' very stiff, dry

23.0' extensive $CaCo_3$, caliche stringers

Total Depth @27.0'

EXPLANATION

▼	Water level during drilling (date)
▽	Water level (date)
——·····	Contact (dotted where approximate)
—?—?—	Uncertain contact
////////	Gradational contact
▒	Location of recovered drive sample
■	Location of drive sample sealed for chemical analysis
EK =	Estimated hydraulic conductivity (VL=very low; L=low; M=moderate; H=high; VH= very high)

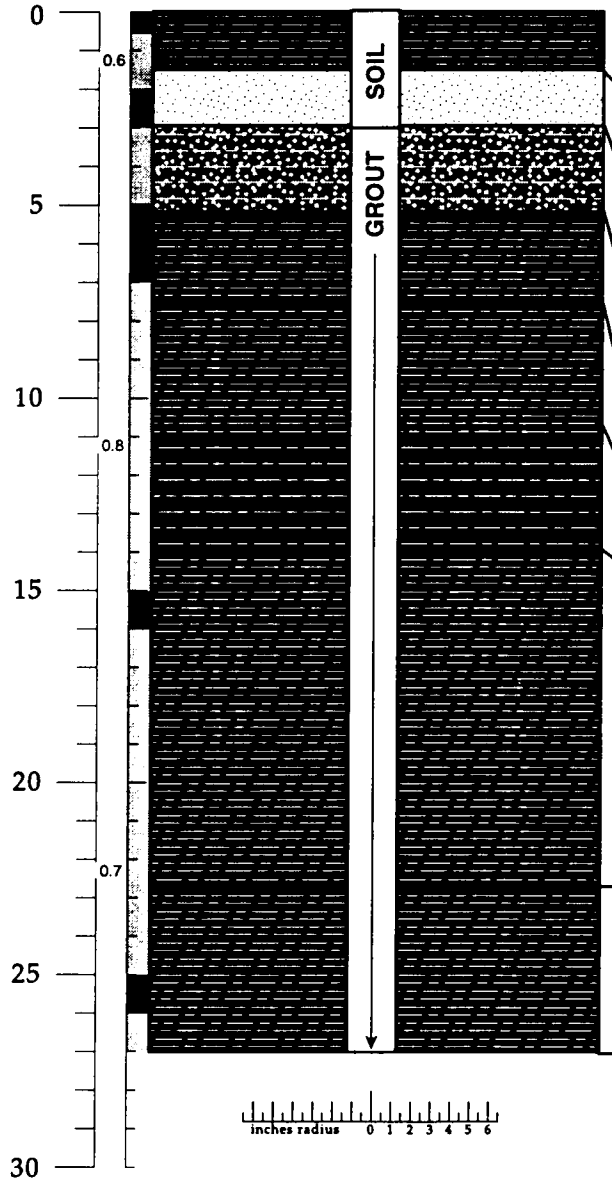
Logged By:	Erik Nielsen
Supervisor:	Jim Ponton
Drilling Company:	Precision Sampling
License Number:	C57 636387
Driller:	Stuart King/Ken Perez
Drilling Method:	Direct Push
Date Drilled:	March 3, 1998
Well Head Completion:	NA
Type of Sampler:	Continuous Core
Ground Surface Elevation:	feet above mean sea level
PID:	Photoionization Detector

Figure B1-15. Boring Log Details - Dog Pen H-26 - LEHR Dog Pens

Weiss Associates

DOG PEN H-31

GRAPHIC LOG



DESCRIPTION

Clayey SILT (ML); very dark gray brown (10YR 3/2); medium stiff; damp; 15-20% clay, 70-80% silt, 5-10% very fine sand; low plasticity; LEK

SAND (SP); very dark gray brown (10YR 3/2); loose; damp; 0-5% fine sand, 95-100% fine to medium sand; no plasticity; HEK

Silty SAND (SM); very dark gray brown (10YR 3/2); medium density; damp; 15-20% clay, 25-30% silt, 50-60% very fine to fine sand; low plasticity; MEK

Clayey SILT (ML); very dark gray brown (10YR 3/2); medium stiff; damp; 30-40% clay, 50-60% silt, 5-10% very fine sand; medium plasticity; LEK

Clayey SILT (ML); dark yellow brown (10YR 4/4); medium stiff; damp; 20-30% clay, 60-70% silt, 5-10% very fine sand; low to medium plasticity; LEK

Silty CLAY (CL); dark yellow brown (10YR 3/4); soft to medium density; damp; 50-60% clay, 40-45% silt, 0-5% very fine sand; medium plasticity; VLEK

Clayey SILT (ML); dark yellow brown (10YR 4/4); stiff; damp; 15-20% clay, 70-80% silt, 5-10% very fine sand; low plasticity; LEK; [MnO_2 specks]

19.0' very stiff

Clayey SILT (ML); olive brown (2.5YR 4/4); stiff; dry; 10-20% clay, 70-80% silt, 5-10% very fine sand; low plasticity; LEK; [Caliche stringers]

Total Depth @27.0'

EXPLANATION

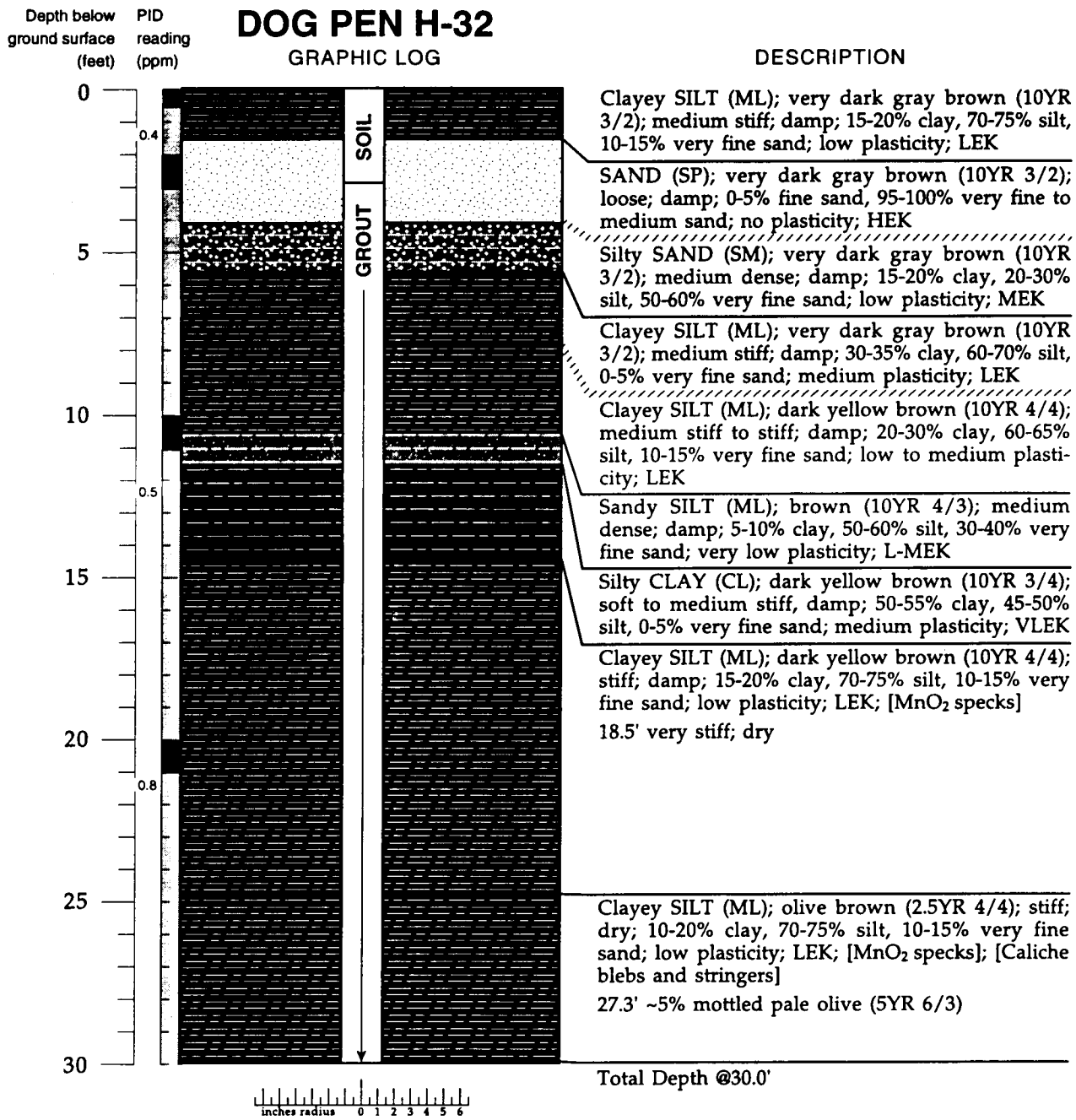
▼	Water level during drilling (date)
▽	Water level (date)
——·····	Contact (dotted where approximate)
—?—?—	Uncertain contact
////////	Gradational contact
	Location of recovered drive sample
■	Location of drive sample sealed for chemical analysis
EK =	Estimated hydraulic conductivity (VL=very low; L=low; M=moderate; H=high; VH= very high)

Logged By:	Erik Nielsen
Supervisor:	Jim Ponton
Drilling Company:	Precision Sampling
License Number:	C57 636387
Driller:	Stuart King/Ken Perez
Drilling Method:	Direct Push
Date Drilled:	February 25, 1998
Well Head Completion:	NA
Type of Sampler:	Continuous Core
Ground Surface Elevation:	feet above mean sea level
PID:	Photoionization Detector

Figure B1-16. Boring Log Details - Boring H-31 - LEHR Dog Pens

Weiss Associates

DOG PEN H-32



EXPLANATION

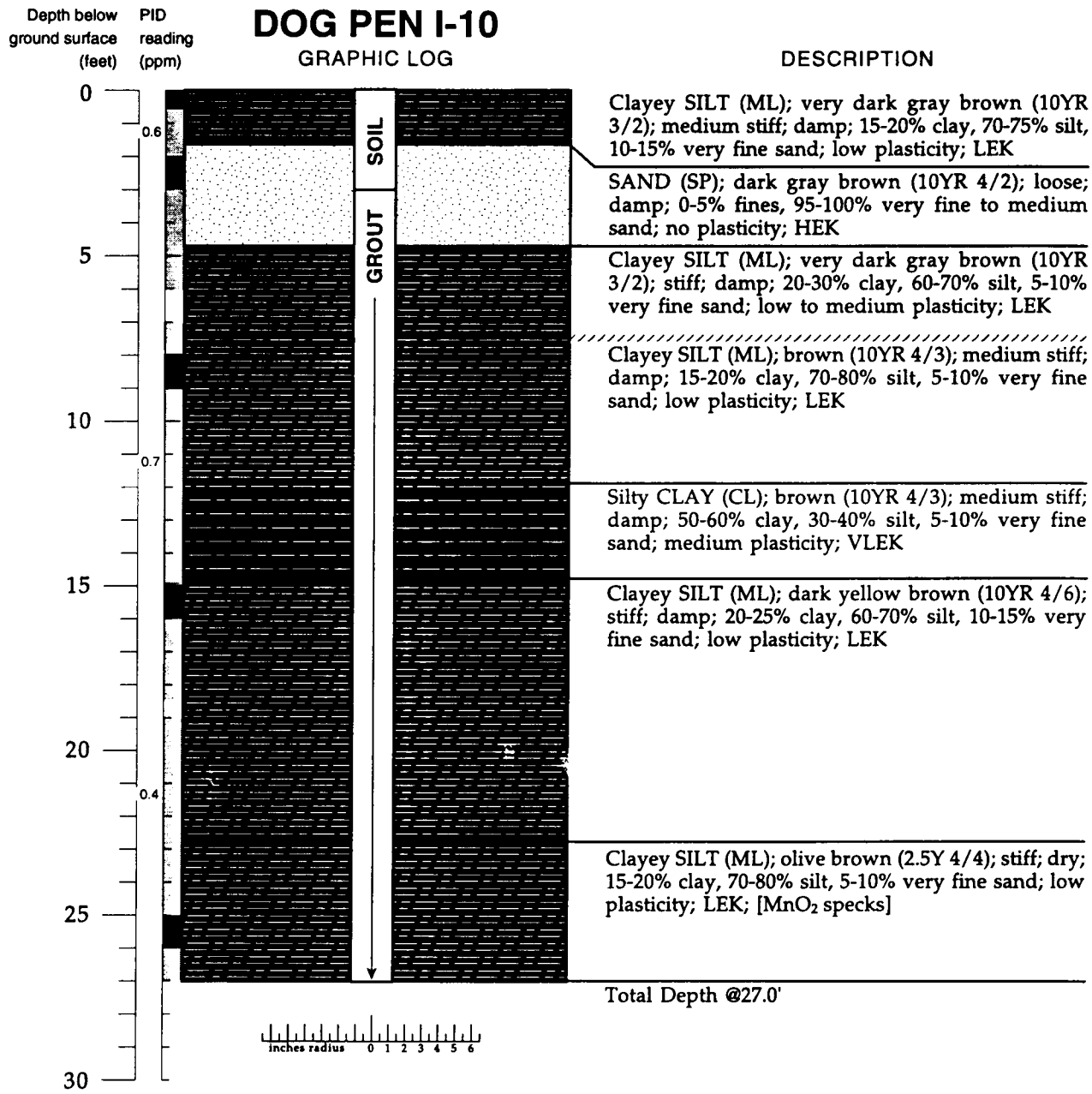
▼	Water level during drilling (date)
▽	Water level (date)
——·····	Contact (dotted where approximate)
—?—?—	Uncertain contact
////////	Gradational contact
▒	Location of recovered drive sample
■	Location of drive sample sealed for chemical analysis
EK =	Estimated hydraulic conductivity (VL=very low; L=low; M=moderate; H=high; VH= very high)

Logged By:	Erik Nielsen
Supervisor:	Jim Ponton
Drilling Company:	Precision Sampling
License Number:	C57 636387
Driller:	Stuart King/Ken Perez
Drilling Method:	Direct Push
Date Drilled:	February 25, 1998
Well Head Completion:	NA
Type of Sampler:	Continuous Core
Ground Surface Elevation:	feet above mean sea level
PID:	Photoionization Detector

Figure B1-17. Boring Log Details - Boring H-32 - LEHR Dog Pens

Weiss Associates

DOG PEN I-10



EXPLANATION

- Water level during drilling (date)
- Water level (date)
- Contact (dotted where approximate)
- Uncertain contact
- Gradational contact
- Location of recovered drive sample
- Location of drive sample sealed for chemical analysis
- EK = Estimated hydraulic conductivity (VL=very low; L=low; M=moderate; H=high; VH= very high)

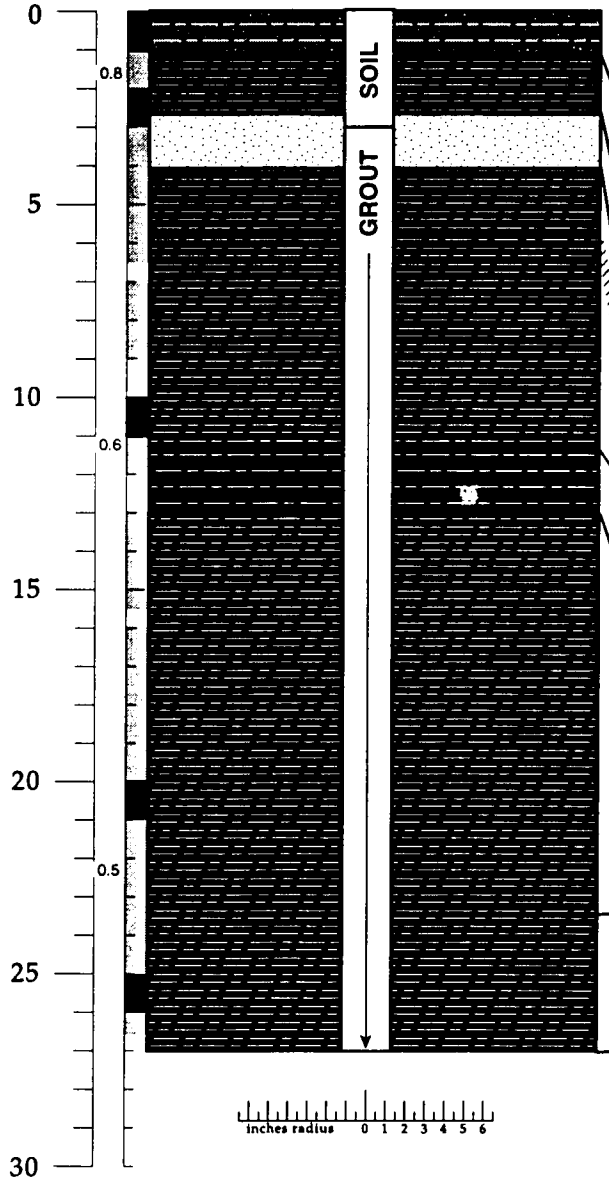
Logged By: Erik Nielsen
Supervisor: Jim Ponton
Drilling Company: Precision Sampling
License Number: C57 636387
Driller: Stuart King/Ken Perez
Drilling Method: Direct Push
Date Drilled: February 26, 1998
Well Head Completion: NA
Type of Sampler: Continuous Core
Ground Surface Elevation: feet above mean sea level
PID: Photoionization Detector

Figure B1-18. Boring Log Details - Boring I-10 - LEHR Dog Pens

Weiss Associates

DOG PEN J-17

GRAPHIC LOG



DESCRIPTION

Sandy SILT (ML); dark yellow brown (10YR 3/4); medium stiff; damp; 10-15% clay, 60-70% silt, 20-25% very fine sand; very low plasticity; L-MEK; [Rootlets]

Clayey SILT (ML); dark gray brown (10YR 4/2); medium stiff; damp; 15-25% clay, 70-75% silt, 5-10% very fine sand; low plasticity; LEK

SAND (SP); dark gray brown (10YR 4/2); loose; damp; 0-5% fines, 95-100% fine to medium sand; no plasticity; HEK

Clayey SILT (ML); dark gray brown (10YR 4/2); stiff; damp; 20-30% clay, 60-70% silt, 5-10% very fine sand; low to medium plasticity; LEK

Clayey SILT (ML); brown (10YR 4/3); medium stiff to stiff; damp; 20-25% clay, 70-75% silt, 5-10% very fine sand; low plasticity; LEK

Silty CLAY (CL); brown (10YR 4/3); soft to medium stiff; damp; 45-50% clay, 35-45% silt, 10-15% very fine sand; medium plasticity; LEK

Clayey SILT (ML); dark yellow brown (10YR 4/4); stiff; damp; 20-30% clay, 60-70% silt, 5-10% very fine sand; low to medium plasticity; LEK

Clayey SILT (ML); dark yellow brown (10YR 4/4); very stiff; dry; 10-20% clay, 70-80% silt, 5-10% very fine sand; low plasticity; LEK; [Caliche stringers and specks]; [MnO_2 specks]

Total Depth @27.0'

EXPLANATION

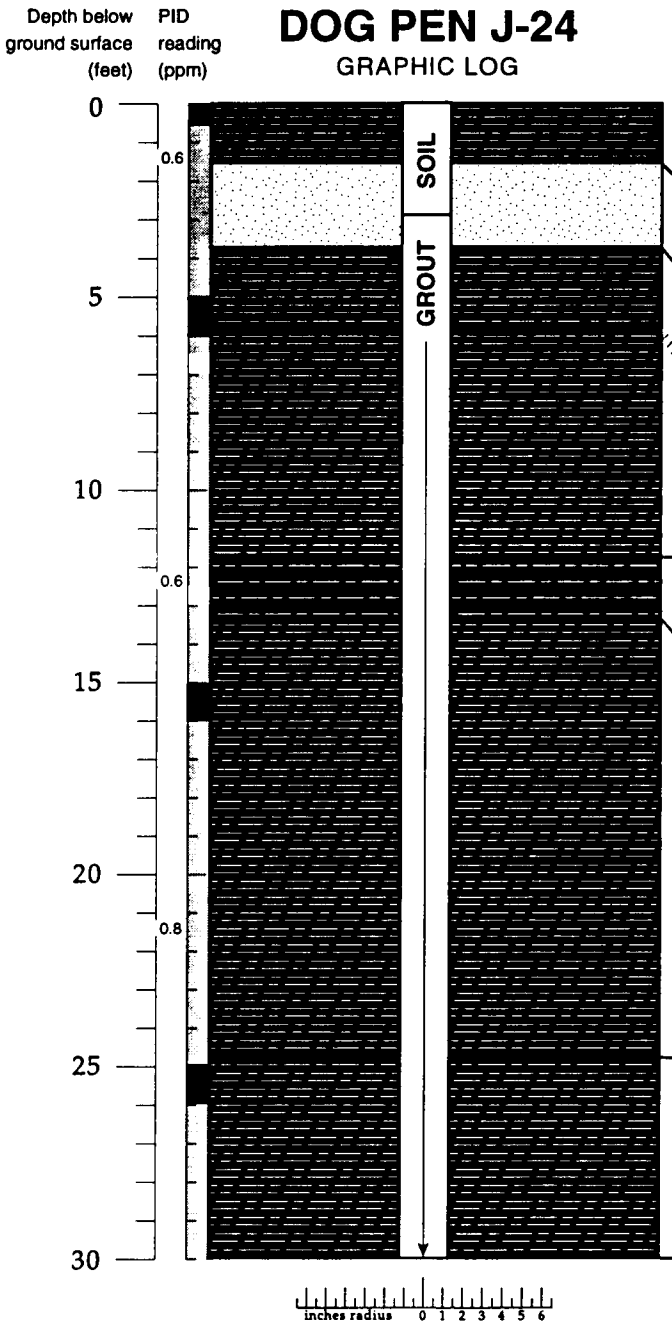
- ▼ Water level during drilling (date)
- ▽ Water level (date)
- ——····· Contact (dotted where approximate)
- —?—?— Uncertain contact
- ////////// Gradational contact
- Location of recovered drive sample
- Location of drive sample sealed for chemical analysis
- EK = Estimated hydraulic conductivity (VL=very low; L=low; M=moderate; H=high; VH= very high)

Logged By:	Erik Nielsen
Supervisor:	Jim Ponton
Drilling Company:	Precision Sampling
License Number:	C57 636387
Driller:	Stuart King/Ken Perez
Drilling Method:	Direct Push
Date Drilled:	March 2, 1998
Well Head Completion:	NA
Type of Sampler:	Continuous Core
Ground Surface Elevation:	feet above mean sea level
PID:	Photoionization Detector

Figure B1-19. Boring Log Details - Boring J-17 - LEHR Dog Pens

Weiss Associates

DOG PEN J-24



DESCRIPTION

Clayey SILT (ML); dark gray brown (10YR 4/2); medium stiff; damp; 15-25% clay, 60-65% silt, 10-20% very fine sand; low plasticity; LEK

SAND (SP); dark gray brown (10YR 4/2); loose; damp; 0-5% fines, 95-100% very fine to medium sand; no plasticity; HEK

Clayey SILT (ML); stiff; damp; 20-30% clay, 60-70% silt, 5-10% very fine sand; low to medium plasticity; LEK

Clayey SILT (ML); medium stiff; damp; 20-30% clay, 60-70% silt, 5-10% very fine sand; low to medium plasticity; LEK

Silty CLAY (CL); brown (10YR 4/3); soft to medium stiff; damp; 40-50% clay, 30-40% silt, 10-15% very fine sand; medium plasticity; LEK

Clayey SILT (ML); dark yellow brown (10YR 4/4); stiff; dry to damp; 20-30% clay, 60-70% silt, 0-5% very fine sand; low to medium plasticity; LEK; [MnO_2 specks]

19.0' very stiff; dry; low plasticity

20.0' 10% mottled pale olive (5Y 6/3)

Clayey SILT (ML); light olive brown (2.5Y 5/4); stiff; dry; 15-20% clay, 70-80% silt, 5-10% very fine sand; low plasticity; LEK; [MnO_2 specks]; [Caliche specks]

Total Depth @30.0'

EXPLANATION

- Water level during drilling (date)
- Water level (date)
- Contact (dotted where approximate)
- —?—?— Uncertain contact
- Gradational contact
- Location of recovered drive sample
- Location of drive sample sealed for chemical analysis
- EK = Estimated hydraulic conductivity (VL=very low; L=low; M=moderate; H=high; VH= very high)

Logged By: Erik Nielsen
Supervisor: Jim Ponton
Drilling Company: Precision Sampling
License Number: C57 636387
Driller: Stuart King/Ken Perez
Drilling Method: Direct Push
Date Drilled: March 2, 1998
Well Head Completion: NA
Type of Sampler: Continuous Core
Ground Surface Elevation: feet above mean sea level
PID: Photoionization Detector

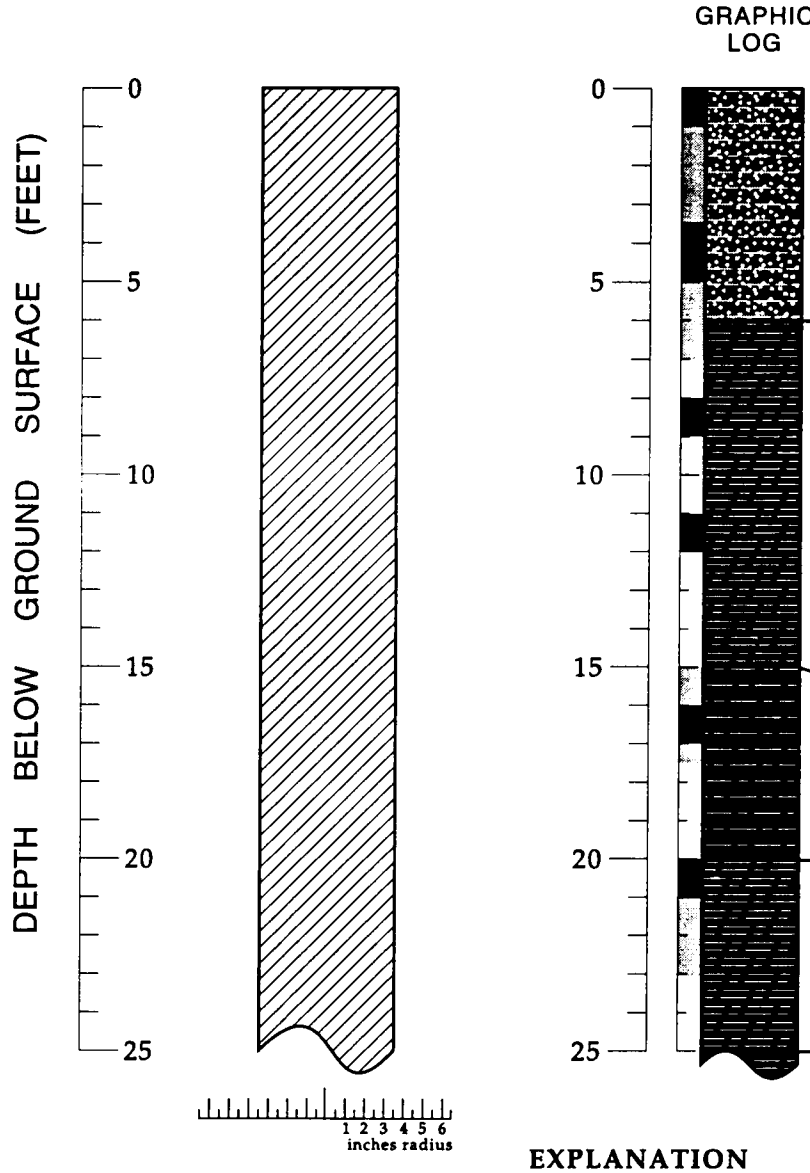
Figure B1-20. Boring Log Details - Boring J-24 - LEHR Dog Pens

Weiss Associates

APPENDIX B2

BI BORING LOGS

BOREHOLE WA-1



DESCRIPTION

Hand auger - 0.0'-3.0' BGS

Silty SAND (SM); dark yellow brown (10YR 4/4); loose, damp; 10-15% clay, 20-30% silt, 40-50% very fine to fine sand, 10-15% SA-SR gravel; up to 1.5"Ø; very low plasticity; MEK

Clayey SILT (ML); dark yellow brown (10YR 3/4); soft, damp; 20-30% clay, 50-60% silt, 10-20% very fine sand; low plasticity; LEK

* Stop drilling 1230/10-6-97
Split barrel jammed
> Resume drilling 0750/10-7-97

Silty CLAY (CL); brown (10YR 4/3); medium stiff, damp; 40-50% clay, 30-40% silt, 5-10% very fine sand; medium plasticity; VLEK

Clayey SILT (ML); yellow brown (10YR 5/4); stiff, damp; 15-25% clay, 50-60% silt, 10-20% very fine sand; low plasticity; LEK

Clayey SILT (ML); calcite blebs

EXPLANATION

- Water level during drilling (date)
- Water level (date)
- Contact (dotted where approximate)
- —?—?— Uncertain contact
- Gradational contact
- Location of recovered drive sample
- Location of drive sample sealed for chemical analysis
- Cuttings sample
- K = Estimated hydraulic conductivity

Logged By: Erik J. Nielsen
Supervisor: Bob Devany; CEG 1560, CHG 37
Drilling Company: P.C. Exploration, Roseville, CA
License Number: C57-265556
Driller: P. Ries / T. Boyd
Drilling Method: Hollow-stem auger
Date Drilled: October 06, 1997
Well Head Completion: N/A
Type of Sampler: Split spoon
Ground Surface Elevation: Not available

ABBREVIATIONS:

SA	Sub-angular	LEK	Low estimated K
SR	Sub-rounded	MEK	Moderate estimated K
VLEK	Very low estimated K	HEK	High estimated K

Figure B2-1. Background Boring Log and Well Construction Details - WA-1 - LEHR Site, Davis, California

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BOREHOLE WA-1 (cont.)

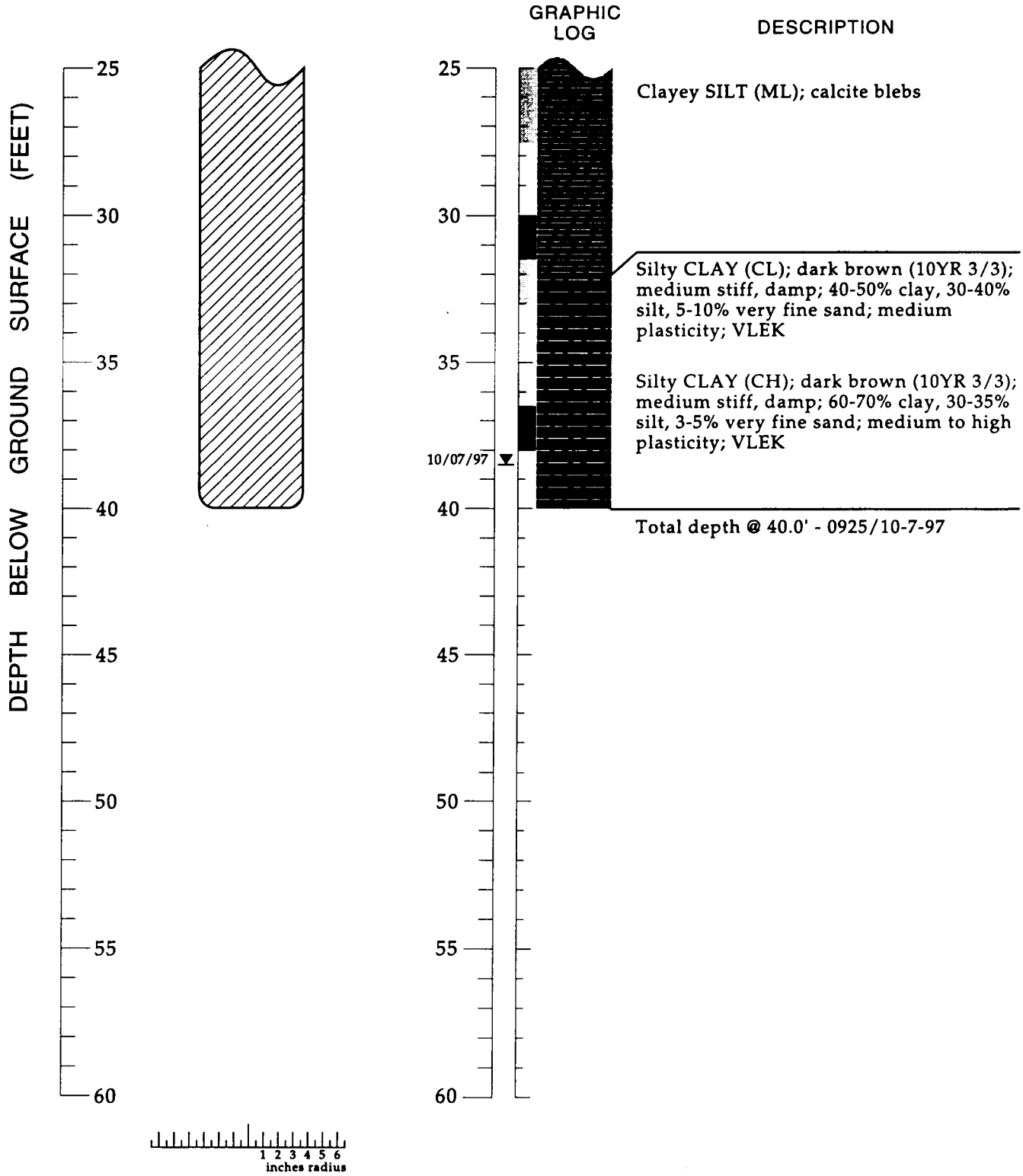

Figure B2-1. Background Boring Log and Well Construction Details - WA-1 - LEHR Site, Davis, California

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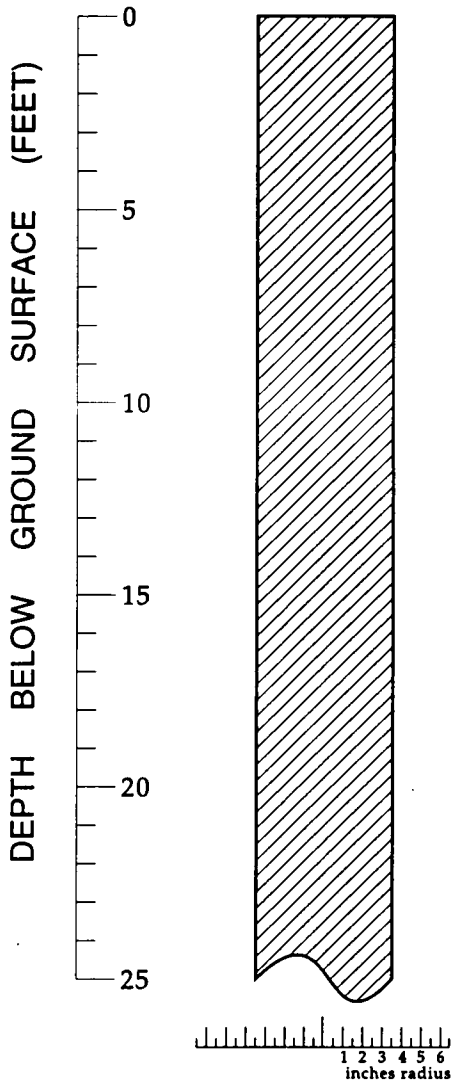
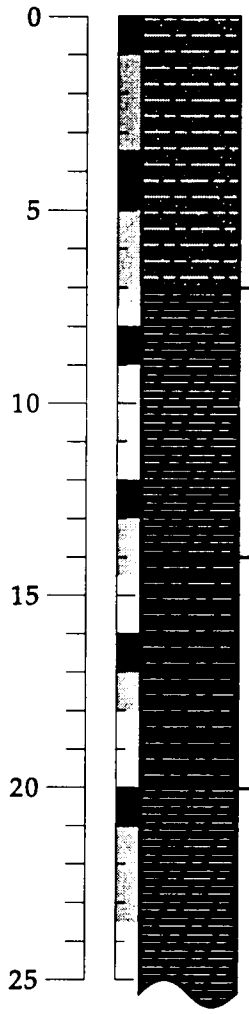
BOREHOLE WA-2





GRAPHIC LOG

DESCRIPTION

Hand auger - 0.0'-4.0' BGS

Sandy SILT (ML); brown (10YR 4/3); soft, dry; 10-20% clay, 50-60% silt, 20-25% very fine sand, 2-3% SA-SR gravel up to 1.5"Ø; low plasticity; L-MEK

Clayey SILT (ML); brown (10YR 4/3); medium stiff, damp; 20-25% clay, ??20-80%?? silt, 5-10% very fine sand; low plasticity; LEK

Clayey Silt (ML)

Silty CLAY (CH); dark brown (10YR 3/3); stiff, damp; 50-60% clay, 30-40% silt, 5-10% very fine sand; high plasticity; VLEK

Clayey SILT (ML); yellow brown (10YR 4/4); stiff, damp; 20-30% clay, 60-70% silt, 5-10% very fine sand; low plasticity; LEK

EXPLANATION

- Water level during drilling (date)
- Water level (date)
- Contact (dotted where approximate)
- Uncertain contact
- Gradational contact
- Location of recovered drive sample
- Location of drive sample sealed for chemical analysis
- Cuttings sample
- K = Estimated hydraulic conductivity

Logged By: Erik J. Nielsen
Supervisor: Bob Devany; CEG 1560, CHG 37
Drilling Company: P.C. Exploration, Roseville, CA
License Number: C57-265556
Driller: P. Ries / T. Boyd
Drilling Method: Hollow-stem auger
Date Drilled: October 06, 1997
Well Head Completion: N/A
Type of Sampler: Split spoon
Ground Surface Elevation: Not available

ABBREVIATIONS:

SA	Sub-angular	LEK	Low estimated K
SR	Sub-rounded	MEK	Moderate estimated K
VLEK	Very low estimated K	HEK	High estimated K

Figure B2-2. Background Boring Log and Well Construction Details - WA-2 - LEHR Site, Davis, California

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BOREHOLE WA-2 (cont.)

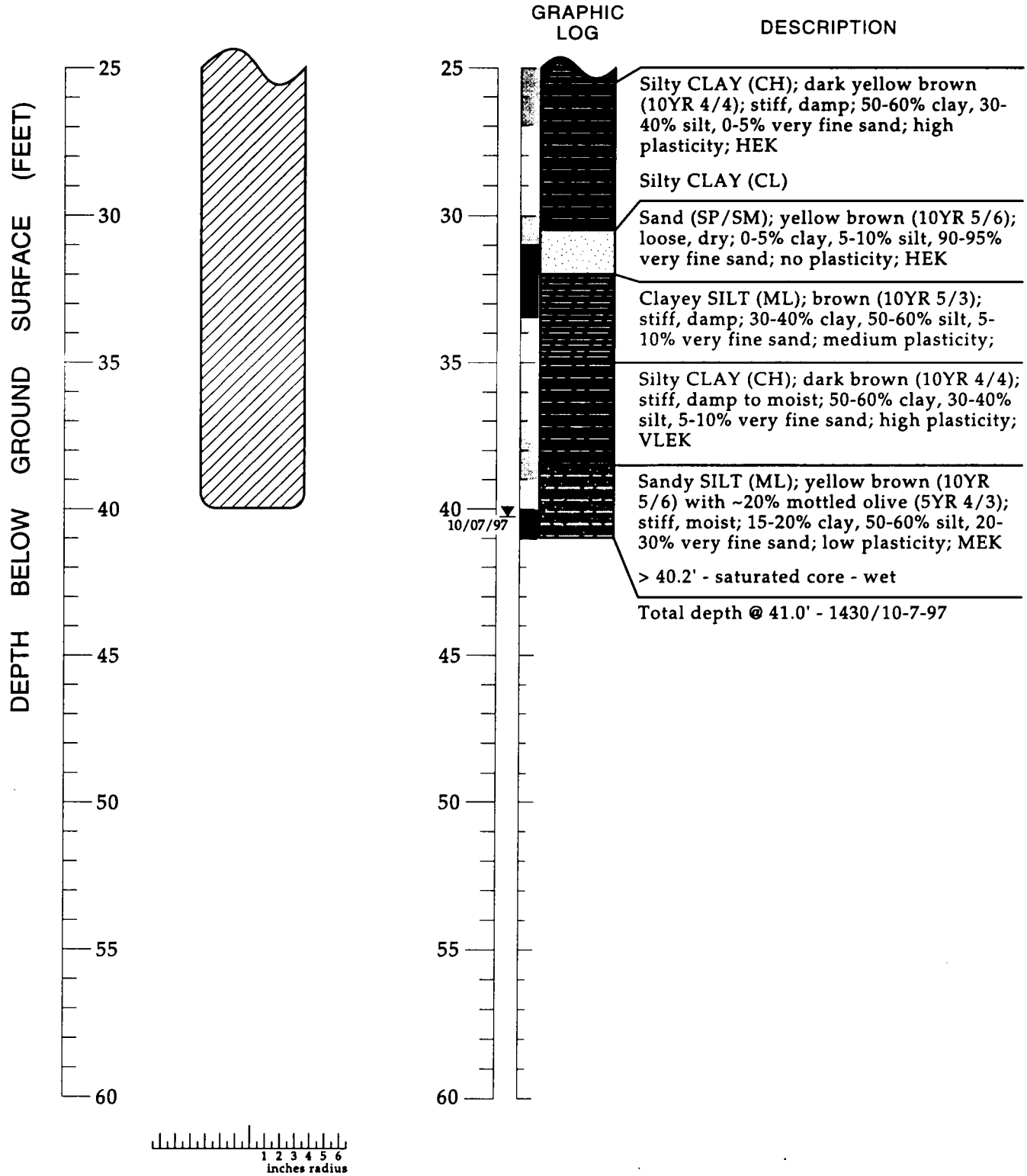

Figure B2-2. Background Boring Log and Well Construction Details - WA-2 - LEHR Site, Davis, California

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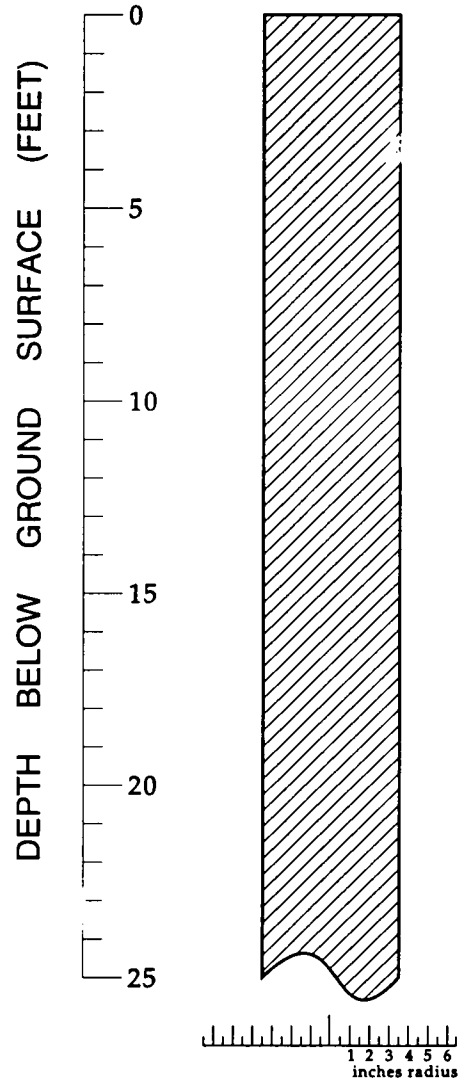
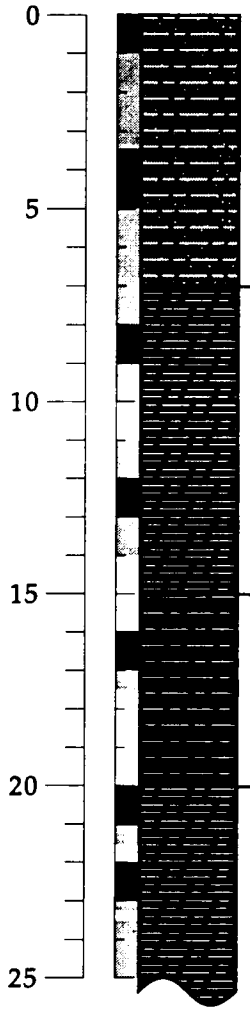
BOREHOLE WA-3





DESCRIPTION

Hand auger - 0.0'-4.0' BGS

Sandy SILT (ML); brown (10YR 4/3); soft, dry; 10-20% clay, 50-60% silt, 20-30% very fine sand; very low plasticity; LEK; rootlets

Clayey SILT (ML); brown (10YR 4/3); medium stiff, damp; 20-30% clay, 60-70% silt, 5-10% very fine sand; low plasticity; LEK

Clayey Silt (ML)

Silty CLAY (CL); dark yellow brown (10YR 4/4); medium stiff, damp; 50-60% clay, 30-40% silt, 5-10% very fine sand; medium plasticity; VLEK

Clayey SILT (ML); dark brown (10YR 3/3); stiff, damp; 20-30% clay, 50-60% silt, 10-20% very fine to fine sand; low plasticity; LEK

• 23.5' stop drilling - 1735/10-7-97
> resume drilling - 705/10-8-97

EXPLANATION

- ▼ Water level during drilling (date)
- ▽ Water level (date)
- ——····· Contact (dotted where approximate)
- —?—?— Uncertain contact
- ////////. Gradational contact
- Location of recovered drive sample
- Location of drive sample sealed for chemical analysis
- Cuttings sample
- K = Estimated hydraulic conductivity

Logged By: Erik J. Nielsen
Supervisor: Bob Devany; CEG 1560, CHG 37
Drilling Company: P.C. Exploration, Roseville, CA
License Number: C57-265556
Driller: P. Ries / T. Boyd
Drilling Method: Hollow-stem auger
Date Drilled: October 06, 1997
Well Head Completion: N/A
Type of Sampler: Split spoon
Ground Surface Elevation: Not available

ABBREVIATIONS:

SA	Sub-angular	LEK	Low estimated K
SR	Sub-rounded	MEK	Moderate estimated K
VLEK	Very low estimated K	HEK	High estimated K

Figure B2-3. Background Boring Log and Well Construction Details - WA-3 - LEHR Site, Davis, California

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BOREHOLE WA-3 (cont.)

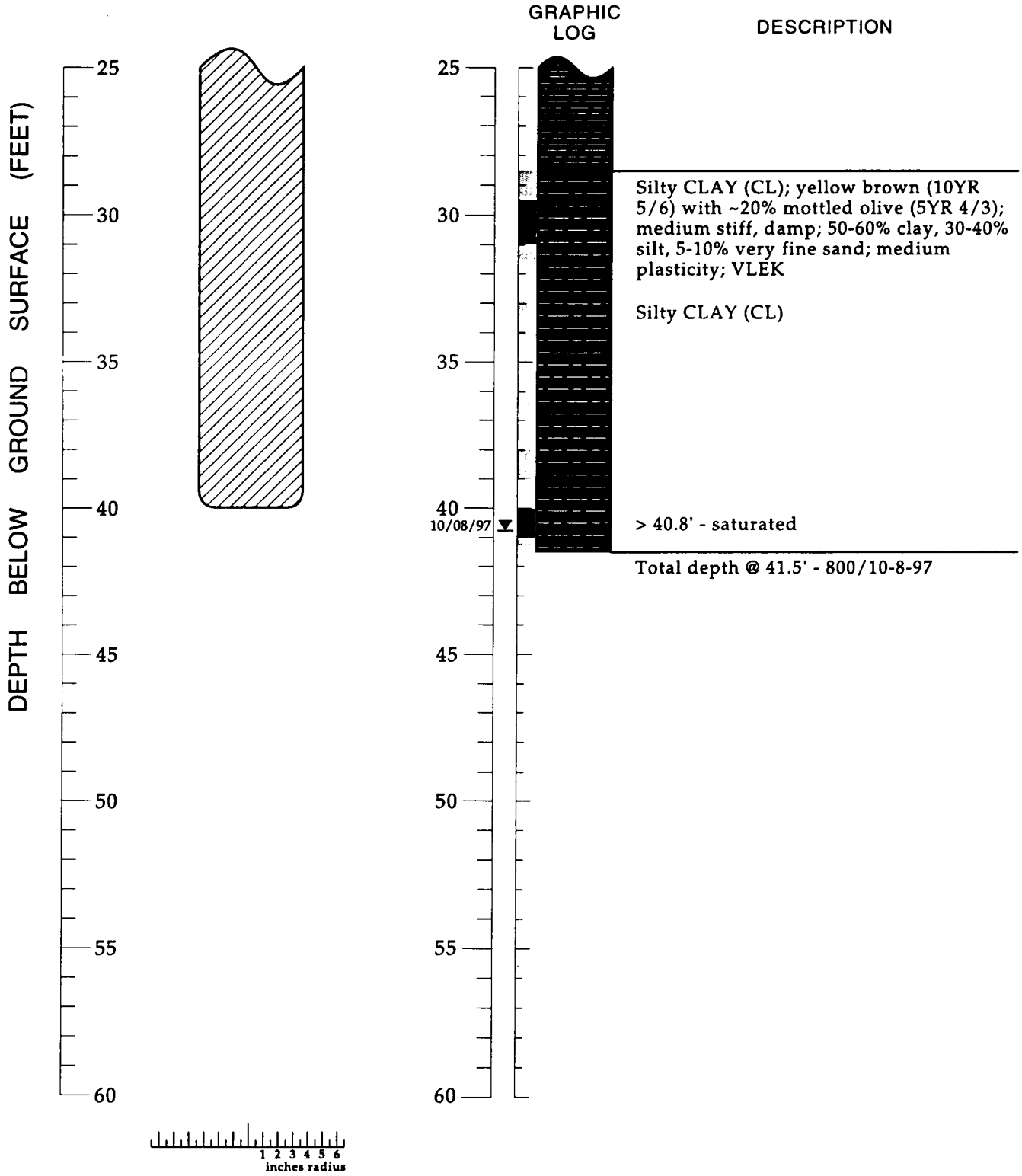

Figure B2-3. Background Boring Log and Well Construction Details - WA-3 - LEHR Site, Davis, California

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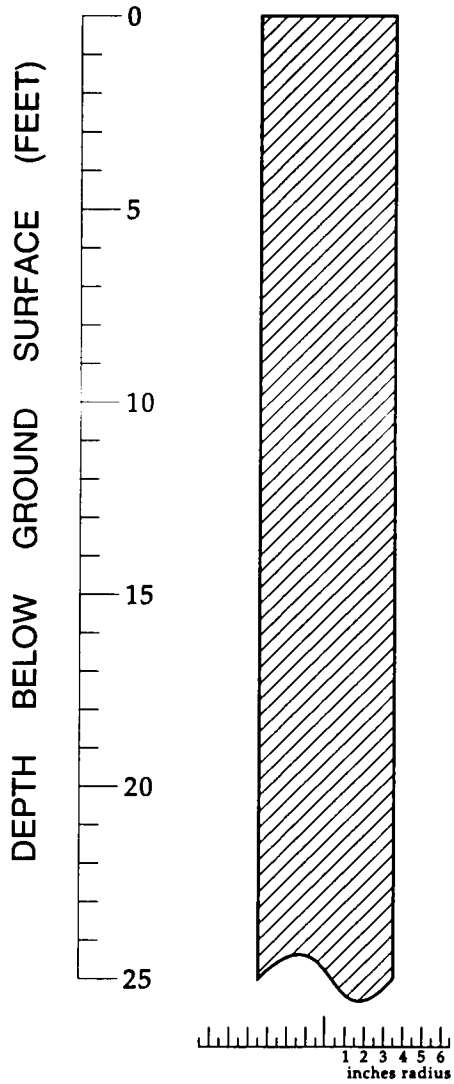
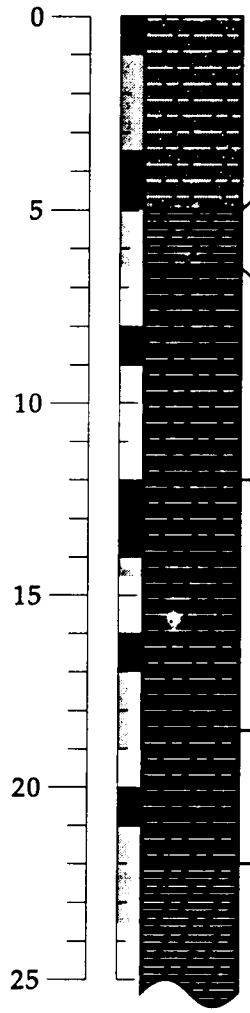
BOREHOLE WA-4





GRAPHIC LOG

DESCRIPTION

Hand auger - 0.0'-4.0' BGS

Sandy SILT (ML); yellow brown (10YR 5/4); soft, dry; 5-10% clay, 60-70% silt, 20-30% very fine sand; no plasticity; LEK; rootlets

SAND (SP/SM); olive brown (2.5YR 4/3); loose, dry; 0-5% clay, 5-10% silt, 90-95% fine sand; no plasticity; HEK

Clayey SILT (ML); olive brown (2.5YR 4/3); medium stiff, damp; 20-30% clay, 50-60% silt, 10-20% very fine sand; low plasticity; LEK

Silty CLAY (CL); dark yellow brown (10YR 4/6); stiff, damp; 40-50% clay, 30-40% silt, 10-20% very fine sand; medium plasticity; VLEK

Clayey SILT (ML); yellow brown (10YR 5/6); medium stiff, damp; 20-30% clay, 50-60% silt, 10-20% very fine sand

Silty CLAY (CL); dark yellow brown (10YR 4/4); medium stiff, damp; 50-60% clay, 30-40% silt, 5-10% very fine sand; medium plasticity; VLEK

EXPLANATION

- Water level during drilling (date)
- Water level (date)
- Contact (dotted where approximate)
- Uncertain contact
- Gradational contact
- Location of recovered drive sample
- Location of drive sample sealed for chemical analysis
- Cuttings sample
- K = Estimated hydraulic conductivity

Logged By: Erik J. Nielsen
Supervisor: Bob Devany; CEG 1560, CHG 37
Drilling Company: P.C. Exploration, Roseville, CA
License Number: C57-265556
Driller: P. Ries / T. Boyd
Drilling Method: Hollow-stem auger
Date Drilled: October 06, 1997
Well Head Completion: N/A
Type of Sampler: Split spoon
Ground Surface Elevation: Not available

ABBREVIATIONS:

SA	Sub-angular	LEK	Low estimated K
SR	Sub-rounded	MEK	Moderate estimated K
VLEK	Very low estimated K	HEK	High estimated K

Figure B2-4. Background Boring Log and Well Construction Details - WA-4 - LEHR Site, Davis, California

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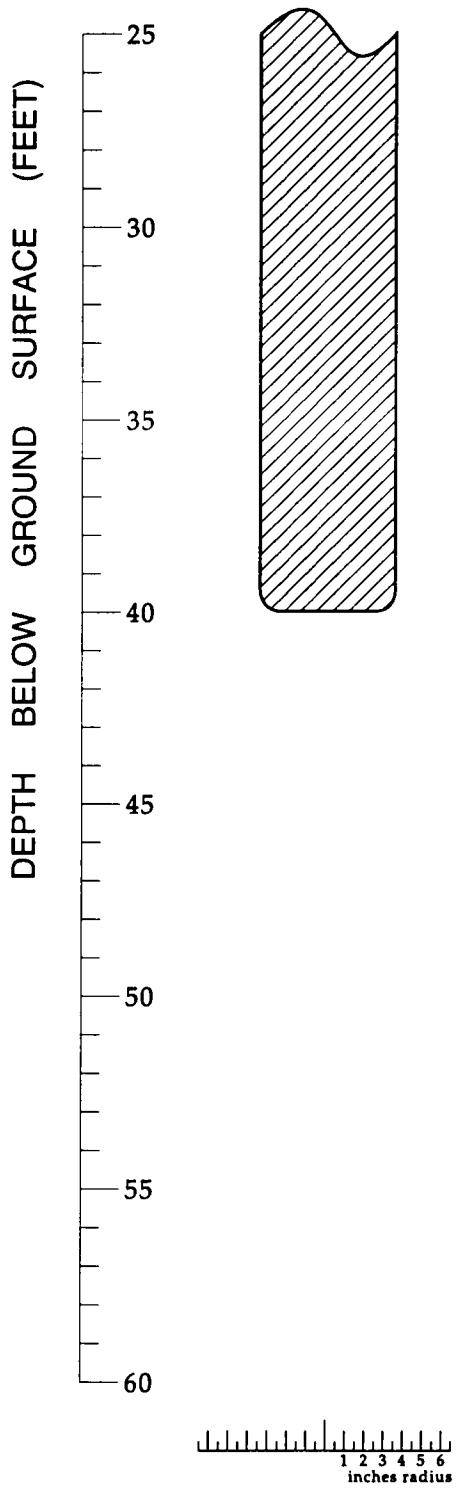
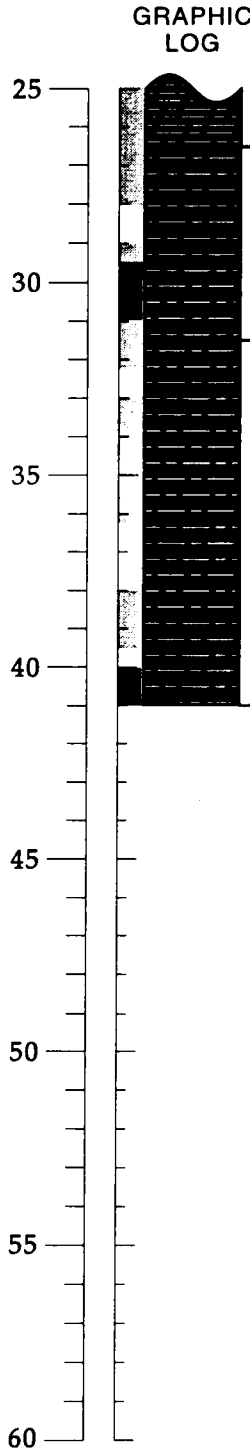
BOREHOLE WA-4 (cont.)





DESCRIPTION

Silty SAND (SM); olive brown (2.5YR 4/4); medium dense, damp; 5-10% clay, 30-40% silt, 50-60% very fine sand; no plasticity; MEK

Silty CLAY (CL); yellow brown (10YR 6/6) with 25% mottled olive (5YR 5/3); medium stiff, damp; 40-50% clay, 30-60% silt, 10-20% very fine sand; medium plasticity; LEK; manganese, iron oxide stains

Total depth @ 41' - 1000/10-8-97

Figure B2-4. Background Boring Log and Well Construction Details - WA-4 - LEHR Site, Davis, California

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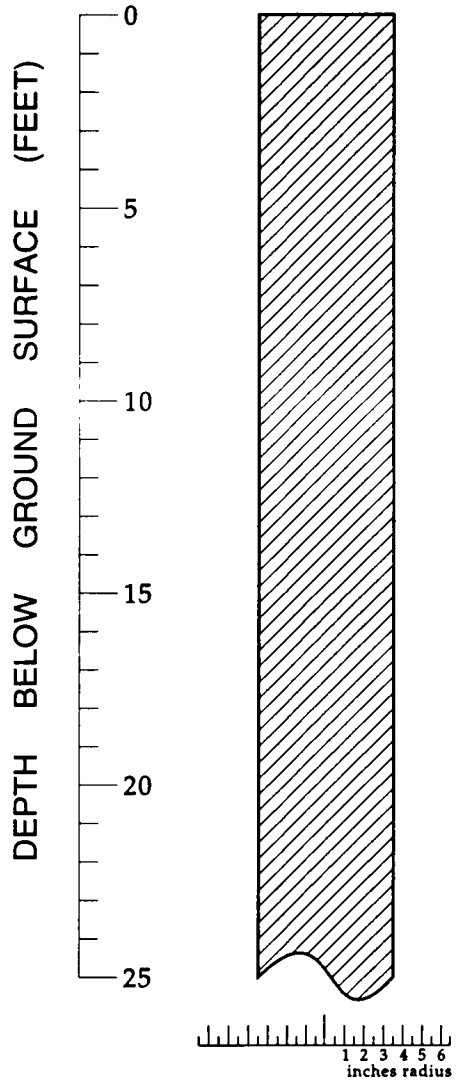
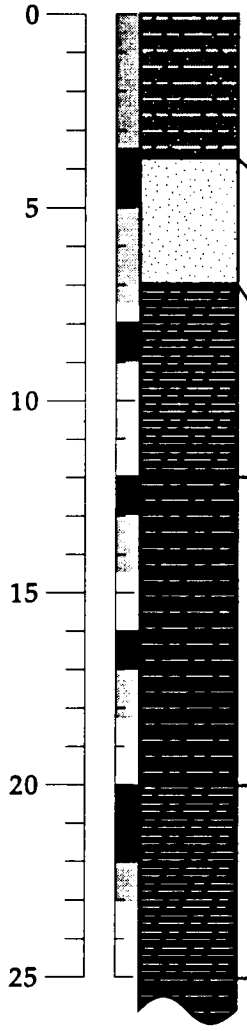
BOREHOLE WA-5





DESCRIPTION

Hand auger - 0.0'-4.0' BGS

Sandy SILT (ML); dark yellow brown (10YR 6/4); soft, dry; 10-20% clay, 60-70% silt, 15-20% very fine sand; very low plasticity; L-MEK

SAND (SP/SM); olive (5YR 5/3); loose, dry; 0-5% clay, 5-10% silt, 70-80% fine to course sand, 10-15% SA-SR gravel up to .5"Ø; no plasticity; HEK

Clayey SILT (ML); very dark gray brown (10YR 3/2); stiff, damp; 20-30% clay, 50-60% silt, 10-20% very fine sand; low plasticity; LEK

Silty CLAY (CL); dark yellow brown (10YR 4/4); stiff, damp; 40-50% clay, 30-40% silt, 10-20% very fine sand; medium plasticity; VLEK

Clayey SILT (ML); yellow brown (10YR 5/4); stiff, damp; 30-40% clay, 50-60% silt, 5-10% very fine sand, medium plasticity; LEK

Silty CLAY (CL); dark yellow brown (10YR 4/4); stiff, damp; 50-60% clay, 30-40% silt, 5-10% very fine sand; medium plasticity; VLEK

EXPLANATION

- Water level during drilling (date)
- Water level (date)
- Contact (dotted where approximate)
- —?—?— Uncertain contact
- Gradational contact
- Location of recovered drive sample
- Location of drive sample sealed for chemical analysis
- Cuttings sample
- K = Estimated hydraulic conductivity

Logged By: Erik J. Nielsen
Supervisor: Bob Devany; CEG 1560, CHG 37
Drilling Company: P.C. Exploration, Roseville, CA
License Number: C57-265556
Driller: P. Ries / T. Boyd
Drilling Method: Hollow-stem auger
Date Drilled: October 06, 1997
Well Head Completion: N/A
Type of Sampler: Split spoon
Ground Surface Elevation: Not available

ABBREVIATIONS:

SA	Sub-angular	LEK	Low estimated K
SR	Sub-rounded	MEK	Moderate estimated K
VLEK	Very low estimated K	HEK	High estimated K

Figure B2-5. Background Boring Log and Well Construction Details - WA-5 - LEHR Site, Davis, California

Weiss Associates

BOREHOLE WA-5 (cont.)

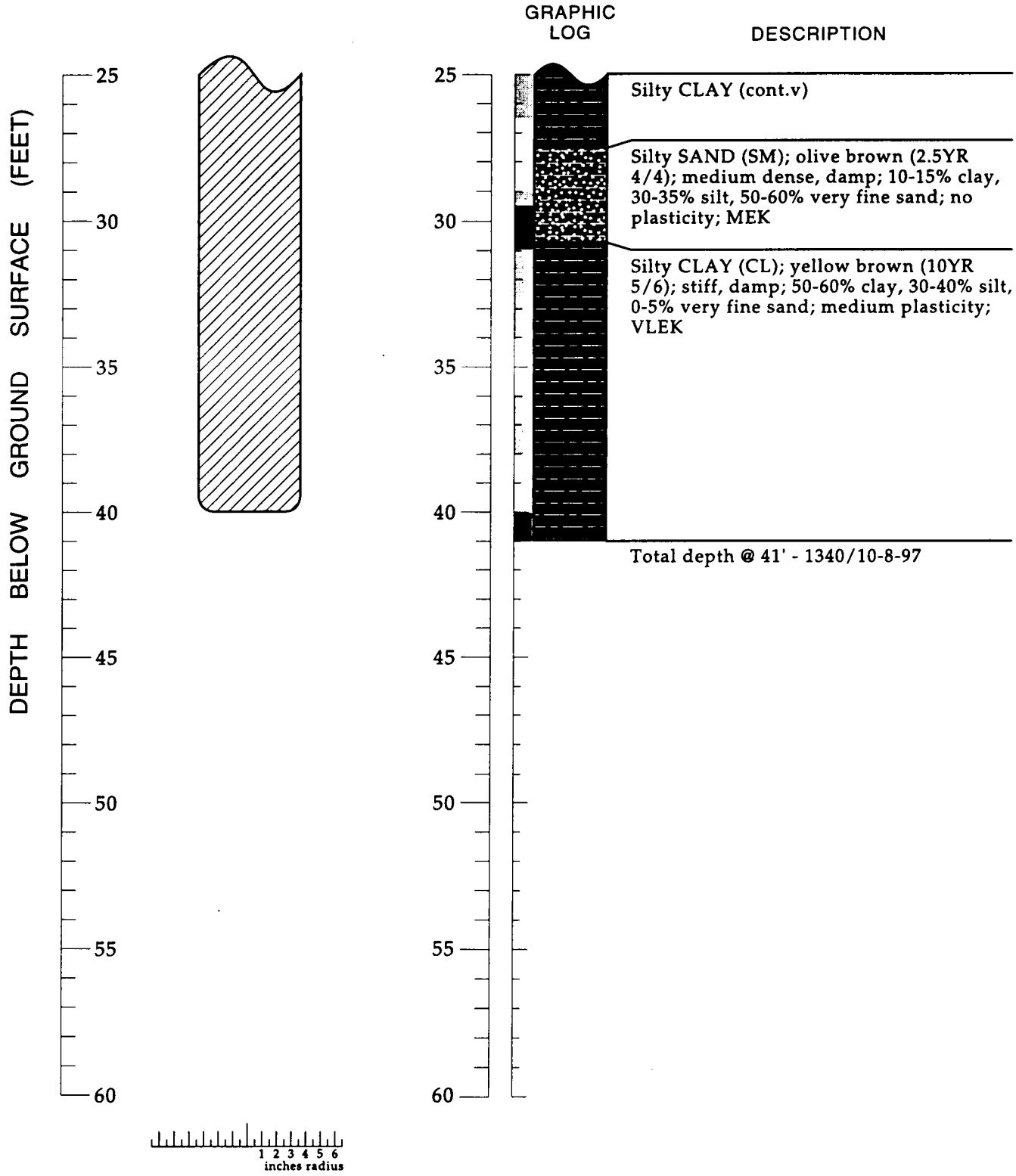


Figure B2-5. Background Boring Log and Well Construction Details - WA-5 - LEHR Site, Davis, California

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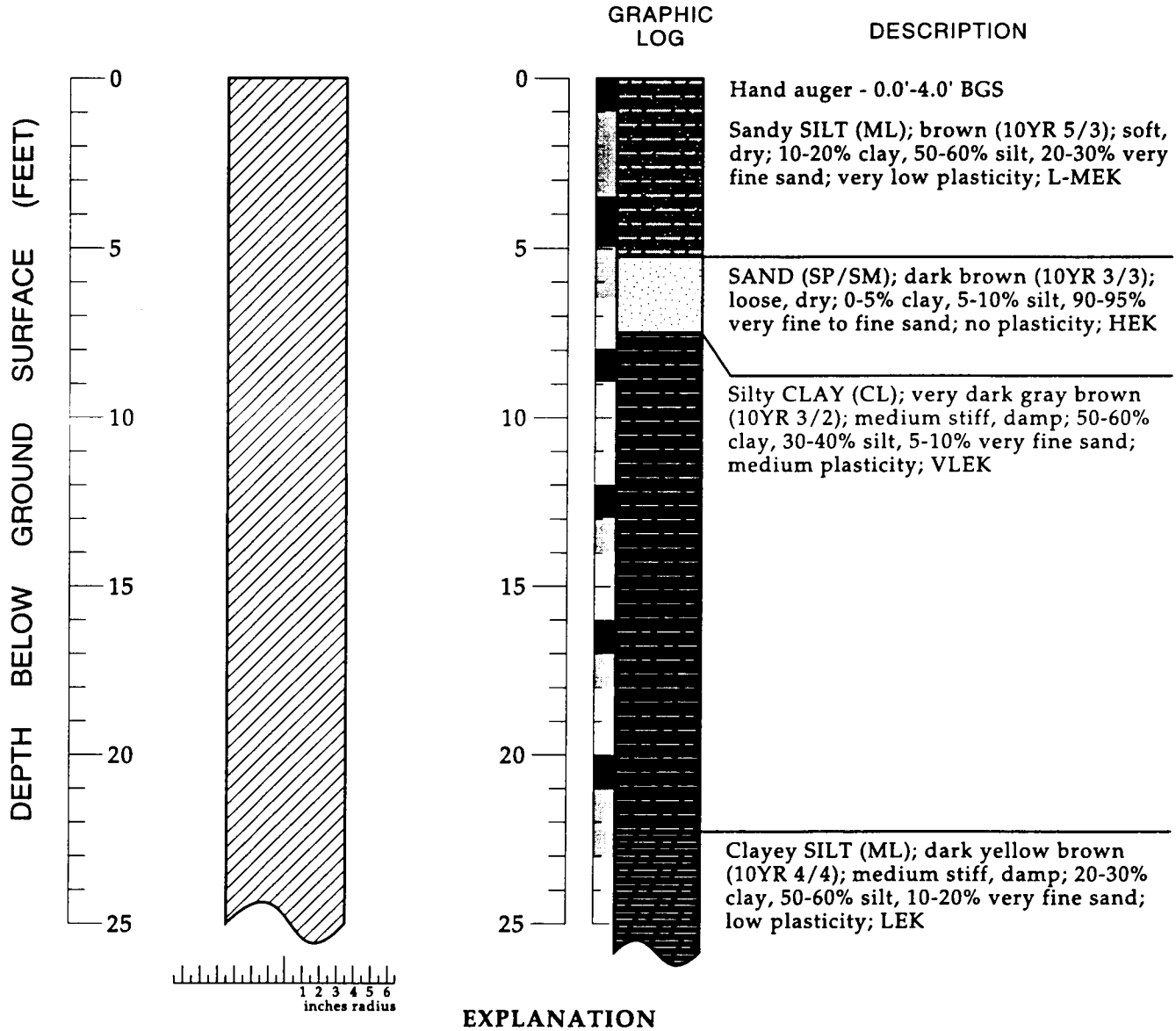
BOREHOLE WA-6



EXPLANATION

- Water level during drilling (date)
- Water level (date)
- Contact (dotted where approximate)
- Uncertain contact
- Gradational contact
- Location of recovered drive sample
- Location of drive sample sealed for chemical analysis
- Cuttings sample
- K = Estimated hydraulic conductivity

Logged By: Erik J. Nielsen
Supervisor: Bob Devany; CEG 1560, CHG 37
Drilling Company: P.C. Exploration, Roseville, CA
License Number: C57-265556
Driller: P. Ries / T. Boyd
Drilling Method: Hollow-stem auger
Date Drilled: October 06, 1997
Well Head Completion: N/A
Type of Sampler: Split spoon
Ground Surface Elevation: Not available

ABBREVIATIONS:

SA	Sub-angular	LEK	Low estimated K
SR	Sub-rounded	MEK	Moderate estimated K
VLEK	Very low estimated K	HEK	High estimated K

Figure B2-6. Background Boring Log and Well Construction Details - WA-6 - LEHR Site, Davis, California

Weiss Associates

BOREHOLE WA-6 (cont.)

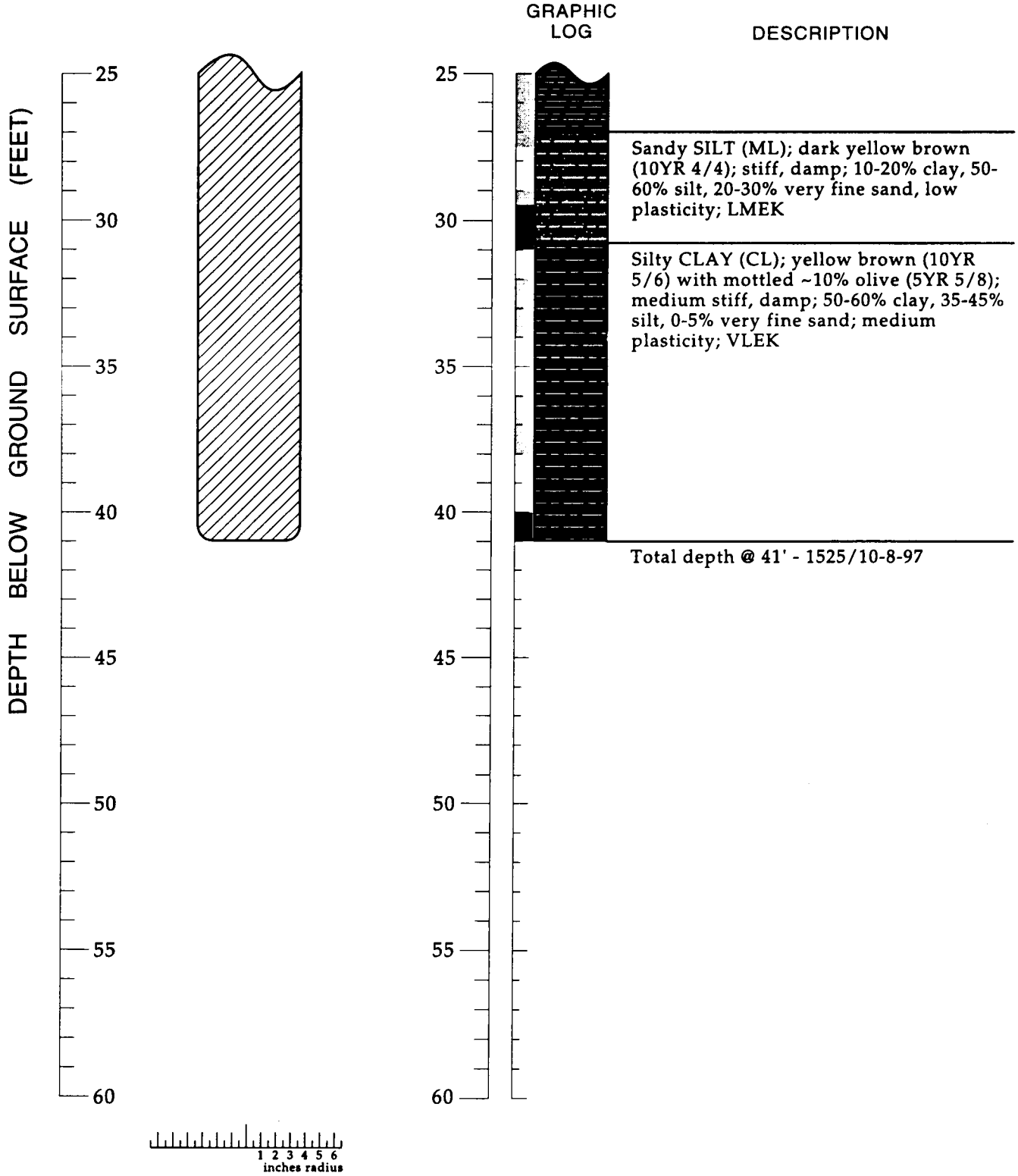


Figure B2-6. Background Boring Log and Well Construction Details - WA-6 - LEHR Site, Davis, California

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APPENDIX C

ANALYTICAL RESULTS

Table C1.1
LEHR Environmental Restoration
Analytical Results For DPI Phase B

General Chemistry

	Background Level	UNITS	LEHR-SS-DP-0071 C-32, 0 '		LEHR-SS-DP-0072 C-32, 0'		LEHR-SS-DP-0073 C-32, 0'		LEHR-SS-DP-0074 D-20, 0'		LEHR-SS-DP-0075 D-20, 0'		LEHR-SS-DP-0075DL1 D-20, 0'
CHROMIUM, HEXAVALENT	0.054	MG/KG	0.196	Jm/	0.178	Jm/J	<0.196	UJm/U	0.108	Jm/J	<0.21	UJm/U	NA
EVAPORATIVE LOSS @ 105 C		WT%	<1	/U	<1	/U	<1	/U	<1	/U	<1	/U	NA
NITROGEN, NITRATE	36	MG/KG	0.913	Jm/	1.34	Jm/	0.54	Jm/	0.888	Jm/	1.73	Jm/	NA
PH		PH UNI	6.39		6.98		5.95		7.3		8.06		NA
PH TEMPERATURE		C	21.1		21.2		22.1		20.8		20.9		NA

Table C1.1
LEHR Environmental Restoration
Analytical Results For DPI Phase B

General Chemistry

	Background Level	UNITS	LEHR-SS-DP-0076 D-20, 0 '		LEHR-SS-DP-0077 D-25, 0'		LEHR-SS-DP-0078 D-25, 0'		LEHR-SS-DP-0079 D-25, 0'		LEHR-SS-DP-0080 D-30, 0'		LEHR-SS-DP-0081 D-30 (FD), 0'	
CHROMIUM, HEXAVALENT	0.054	MG/KG	**0.165**	Jm/J	**0.451**	Jm/	**0.233**	Jm/	**0.14**	Jm/J	**0.299**	Jm/	**0.254**	Jm/
EVAPORATIVE LOSS @ 105 C		WT%	<1	/U	<1	/U	<1	/U	<1	/U	<1	/U	<1	/U
NITROGEN, NITRATE	36	MG/KG	2.15	Jm/	0.328	Jm/	0.299	Jm/	1.95	Jm/	2.24	Jm/	0.346	Jm/
PH		PH UNI	8.6		6.65		7.27		7.98		7.61		8	
PH TEMPERATURE		C	20.4		22.7		21.5		21.6		21		22.5	

Table C1.1
LEHR Environmental Restoration
Analytical Results For DPI Phase B

General Chemistry

	Background Level	UNITS	LEHR-SS-DP-0082 D-30, 0 '		LEHR-SS-DP-0083 D-30, 0'		LEHR-SS-DP-0084 D-30, 0'		LEHR-SS-DP-0085 E-7, 0'		LEHR-SS-DP-0086 E-7, 0'		LEHR-SS-DP-0087 E-7, 0'	
CHROMIUM, HEXAVALENT	0.054	MG/KG	0.0927	Jm/J	0.216	Jm/	0.238	Jm/	0.125	Jm/J	0.263	Jm/	<0.244	UJm/U
EVAPORATIVE LOSS @ 105 C		WT%	<1	/U	<1	/U	<1	/U	<1	/U	<1	/U	<1	/U
NITROGEN, NITRATE	36	MG/KG	0.99	Jm/	3.44	Jm/	0.15	Jm/J	0.329	Jm/	0.594	Jm/	0.946	Jm/
PH		PH UNI	7.77		8.19		6.56		6.37		7.11		6.76	
PH TEMPERATURE		C	20.8		20.8		20.8		20.7		21.2		20.9	

Table C1.1
LEHR Environmental Restoration
Analytical Results For DPI Phase B

General Chemistry

	Background Level	UNITS	LEHR-SS-DP-0088 E-7, 0 '		LEHR-SS-DP-0089 G-32, 0'		LEHR-SS-DP-0090 G-32, 0'		LEHR-SS-DP-0091 G-32, 0'		LEHR-SS-DP-0092 G-32 (FD), 0'		LEHR-SS-DP-0093 G-32, 0'	
CHROMIUM, HEXAVALENT	0.054	MG/KG	**0.283**	Jm/	**0.2**	Jm/J	**0.248**	Jm/	**0.302**	Jm/	**0.227**	Jm/	**0.207**	Jm/
EVAPORATIVE LOSS @ 105 C		WT%	<1	/U	<1	/U	<1	/U	<1	/U	<1	/U	1	
NITROGEN, NITRATE	36	MG/KG	1.55	Jm/	0.224	Jm/	0.729	Jm/	3.31	Jm/	0.452	Jm/	0.752	Jm/
PH		PH UNI	7.31		7.78		7.02		6.24		6.6		6.93	
PH TEMPERATURE		C	21.1		20.9		20.9		21		21		20.4	

Table C1.1
LEHR Environmental Restoration
Analytical Results For DPI Phase B

General Chemistry

	Background Level	UNITS	LEHR-SS-DP-0094 H-30, 0 '		LEHR-SS-DP-0095 H-30, 0'		LEHR-SS-DP-0096 H-30, 0'		LEHR-SS-DP-0097 H-32, 0'		LEHR-SS-DP-0098 H-32, 0'		LEHR-SS-DP-0099 H-32, 0'	
CHROMIUM, HEXAVALENT	0.054	MG/KG	0.238	Jm/	0.139	Jm/J	0.288	Jm/	<0.244	UJm/U	0.281	Jm/	0.202	Jm/J
EVAPORATIVE LOSS @ 105 C		WT%	<1	/U	<1	/U	<1	/U	<1	/U	<1	/U	1	
NITROGEN, NITRATE	36	MG/KG	0.483	Jm/	1.16	Jm/	0.871	Jm/	0.21	Jm/	1.1	Jm/	0.356	Jm/
PH		PH UNI	7.29		7.09		6.67		7.01		6.62		6.68	
PH TEMPERATURE		C	20.4		21.1		20.7		20.4		20.3		20.3	

Table C1.1
LEHR Environmental Restoration
Analytical Results For DPI Phase B

General Chemistry

	Background Level	UNITS	LEHR-SS-DP-0100 I-12, 0 '		LEHR-SS-DP-0101 I-12, 0'		LEHR-SS-DP-0102 I-12, 0'		LEHR-SS-DP-0103 I-12 (FD), 0'		LEHR-SS-DP-0104 I-12, 0'		LEHR-SS-DP-0105 I-23, 0'	
CHROMIUM, HEXAVALENT	0.054	MG/KG	**0.248**	Jm/	**0.16**	Jm/J	**0.183**	Jm/J	**0.164**	Jm/J	**0.249**	Jm/	**0.305**	Jm/
EVAPORATIVE LOSS @ 105 C		WT%	<1	/U	<1	/U	<1	/U	<1	/U	<1	/U	<1	/U
NITROGEN, NITRATE	36	MG/KG	0.285	Jm/	0.448	Jm/	0.517	Jm/	1.23	Jm/	0.838	Jm/	0.66	Jm/
PH		PH UNI	7.22		7.82		7.08		6.58		6.72		7.73	
PH TEMPERATURE		C	20.4		20.3		19.9		19.6		20.7		20.7	

Table C1.1
LEHR Environmental Restoration
Analytical Results For DPI Phase B

General Chemistry

	Background Level	UNITS	LEHR-SS-DP-0106 I-23, 0 '		LEHR-SS-DP-0107 I-23, 0'		LEHR-SS-DP-0108 J-23, 0'		LEHR-SS-DP-0109 J-23, 0'		LEHR-SS-DP-0110 J-23, 0'		LEHR-SS-DP-0111 J-23, 0'	
CHROMIUM, HEXAVALENT	0.054	MG/KG	0.202	Jm/J	0.256	Jm/	0.307	Jm/	0.072	Jm/J	0.262	Jm/	0.365	Jm/
EVAPORATIVE LOSS @ 105 C		WT%	<1	/U	<1	/U	<1	/U	<1	/U	<1	/U	<1	/U
NITROGEN, NITRATE	36	MG/KG	0.265	Jm/	0.667	Jm/	0.331	Jm/	0.251	Jm/	4.43	Jm/	0.97	Jm/
PH		PH UNI	6.42		6.32		7.88		6.39		7.23		6.02	
PH TEMPERATURE		C	20.2		20.3		20.1		19.6		20.6		19.9	

Table C1.1
LEHR Environmental Restoration
Analytical Results For DPI Phase B

General Chemistry

	Background Level	UNITS	LEHR-SS-DP-0112 J-24, 0 '		LEHR-SS-DP-0113 J-24, 0'		LEHR-SS-DP-0114 J-24 (FD), 0'		LEHR-SS-DP-0115 J-24, 0'		LEHR-SS-DP-0116 J-24, 0'		LEHR-SS-DP-0117 C-32, LF, 0'	
CHROMIUM, HEXAVALENT	0.054	MG/KG	**0.171**	Jm/J	**0.176**	Jm/J	**0.158**	Jm/J	**0.178**	Jm/J	**0.3**	Jm/	<0.28	UJm/U
EVAPORATIVE LOSS @ 105 C		WT%	<1	/U	<1	/U	<1	/U	<1	/U	<1	/U	11	
NITROGEN, NITRATE	36	MG/KG	0.312	Jm/	0.649	Jm/	0.222	Jm/	3.91	Jm/	0.26	Jm/	3.76	
PH		PH UNI	6.9		7.63		6.35		6.55		6.56		7.02	
PH TEMPERATURE		C	20		20.5		20.2		20		20.1		20.1	

Table C1.1
LEHR Environmental Restoration
Analytical Results For DPI Phase B

General Chemistry

	Background Level	UNITS	LEHR-SS-DP-0118 C-32, LC, 0 '		LEHR-SS-DP-0119 C-32, RC, 0'		LEHR-SS-DP-0120 C-32, RR, 0'		LEHR-SS-DP-0121 C-32, IF, 0'		LEHR-SS-DP-0122 C-32, P, 0'		LEHR-SS-DP-0123 D-30, LR, 0'	
CHROMIUM, HEXAVALENT	0.054	MG/KG	0.0695	Jm/J	<0.378	UJm/U	<0.266	UJm/U	<0.384	UJm/U	<0.378	UJm/U	<0.268	UJm/U
EVAPORATIVE LOSS @ 105 C		WT%	10		34		6		35		34		7	
NITROGEN, NITRATE	36	MG/KG	3.35		3.65		0.717		4.03		4.19		4.65	
PH		PH UNI	7.16		7.34		6.14		7.44		7.08		6.19	
PH TEMPERATURE		C	19.1		19.4		20.9		19.1		20.9		19.7	

Table C1.1
LEHR Environmental Restoration
Analytical Results For DPI Phase B

General Chemistry

	Background Level	UNITS	LEHR-SS-DP-0124 D-30, RC, 0 '		LEHR-SS-DP-0125 D-30, RF, 0'		LEHR-SS-DP-0126 D-30, P, 0'		LEHR-SS-DP-0126DL1 D-30, P, 0'	LEHR-SS-DP-0127 D-30, P (FD), 0'		LEHR-SS-DP-0127DL1 D-30, P (FD), 0'
CHROMIUM, HEXAVALENT	0.054	MG/KG	<0.358	UJm/U	<0.368	UJm/U	<0.26	UJm/U	NA	<0.26	UJm/U	NA
EVAPORATIVE LOSS @ 105 C		WT%	30		32		4		NA	4		NA
NITROGEN, NITRATE	36	MG/KG	8.22		2.84		3.53		NA	3.06		NA
PH		PH UNI	6.59		7.44		6.83		NA	6.74		NA
PH TEMPERATURE		C	19.1		19.4		19.7		NA	19.1		NA

Table C1.1
LEHR Environmental Restoration
Analytical Results For DPI Phase B

General Chemistry

	Background Level	UNITS	LEHR-SS-DP-0128 D-25, LF, 0'		LEHR-SS-DP-0129 D-25, LC, 0'		LEHR-SS-DP-0130 D-25, LR, 0'		LEHR-SS-DP-0131 D-25, RC, 0'		LEHR-SS-DP-0132 D-25, RR, 0'		LEHR-SS-DP-0133 D-25, P, 0'	
CHROMIUM, HEXAVALENT	0.054	MG/KG	<0.274	UJm/U	<0.26	UJm/U	<0.238	UJm/U	<0.232	UJm/U	<0.234	UJm/U	<0.456	UJm/U
EVAPORATIVE LOSS @ 105 C		WT%	11		7		13		7		13		8	
NITROGEN, NITRATE	36	MG/KG	7.95		4.26		5.77		5.3		6.04		1.37	
PH		PH UNI	7.52		7.48		6.43		7.56		7.51		7.32	
PH TEMPERATURE		C	20.8		21		21.1		20.8		20.7		21	

Table C1.1
LEHR Environmental Restoration
Analytical Results For DPI Phase B

General Chemistry

	Background Level	UNITS	LEHR-SS-DP-0134 D-20, LR, 0 '		LEHR-SS-DP-0135 D-20, RC, 0'		LEHR-SS-DP-0136 D-20, RF, 0'		LEHR-SS-DP-0137 D-20, P, 0'		LEHR-SS-DP-0138 D-30, RR, 0'		LEHR-SS-DP-0139 D-30, IR, 0'	
CHROMIUM, HEXAVALENT	0.054	MG/KG	<0.204	UJm/U	<0.204	UJm/U	<0.23	UJm/U	<0.21	UJm/U	<0.204	UJm/U	<0.204	UJm/U
EVAPORATIVE LOSS @ 105 C		WT%	8		4		6		4		8		11	
NITROGEN, NITRATE	36	MG/KG	1.83		2.99		2.57		3.26		3.29		5.7	
PH		PH UNI	7.23		7.53		7.75		8.01		6		6.96	
PH TEMPERATURE		C	20.7		20.4		20.3		20.3		20.1		20.7	

Table C1.1
LEHR Environmental Restoration
Analytical Results For DPI Phase B

General Chemistry

	Background Level	UNITS	LEHR-SS-DP-0140 E-7, RE.C, 0 '		LEHR-SS-DP-0141 E-7, RR, 0'		LEHR-SS-DP-0142 E-7, IF, 0'		LEHR-SS-DP-0143 E-7, P, 0'		LEHR-SS-DP-0144 G-32, RE.C, 0'		LEHR-SS-DP-0145 G-32, LR (RR), 0'	
CHROMIUM, HEXAVALENT	0.054	MG/KG	<0.374	UJm/U	<0.226	UJm/U	<0.272	UJm/U	<0.308	UJm/U	<0.268	UJm/U	<0.35	UJm/U
EVAPORATIVE LOSS @ 105 C		WT%	34		8		11		28		8		27	
NITROGEN, NITRATE	36	MG/KG	2.26		3.28		4.52		3.53		2.57		7.06	
PH		PH UNI	6.54		6.42		7.45		7.59		7.25		6.94	
PH TEMPERATURE		C	20.9		20.6		20.4		20.6		20.8		20.7	

Table C1.1
LEHR Environmental Restoration
Analytical Results For DPI Phase B

General Chemistry

	Background Level	UNITS	LEHR-SS-DP-0146 G-32, RI.C, 0 '		LEHR-SS-DP-0147 G-32, RF, 0'		LEHR-SS-DP-0147DL1 G-32, RF, 0'	LEHR-SS-DP-0148 G-32, IF, 0'		LEHR-SS-DP-0149 G-32, P, 0'		LEHR-SS-DP-0149DL1 G-32, P, 0'
CHROMIUM, HEXAVALENT	0.054	MG/KG	<0.254	UJm/U	<0.254	UJm/U	NA	<0.33	UJm/U	<0.334	UJm/U	NA
EVAPORATIVE LOSS @ 105 C		WT%	5		3		NA	27		26		NA
NITROGEN, NITRATE	36	MG/KG	4.87		3.49		NA	4.43		3.83		NA
PH		PH UNI	6.9		6.92		NA	7.18		6.33		NA
PH TEMPERATURE		C	21.2		21.2		NA	21.1		20.9		NA

Table C1.1
LEHR Environmental Restoration
Analytical Results For DPI Phase B

General Chemistry

	Background Level	UNITS	LEHR-SS-DP-0150 D-25, RE.C, 0 '		LEHR-SS-DP-0151 D-25, RR, 0'		LEHR-SS-DP-0151DL1 D-25, RR, 0'	LEHR-SS-DP-0152 D-25, RR, 0'		LEHR-SS-DP-0152DL1 D-25, RR, 0'	LEHR-SS-DP-0153 H-30, LC, 0'	
CHROMIUM, HEXAVALENT	0.054	MG/KG	<0.208	UJmd/U	<0.21	UJmd/U	NA	<0.274	UJmd/U	NA	<0.262	UJmd/U
EVAPORATIVE LOSS @ 105 C		WT%	1		2		NA	15		NA	8	
NITROGEN, NITRATE	36	MG/KG	0.213		0.595		NA	5.95		NA	0.882	
PH		PH UNI	7.45		6.97		NA	6.6		NA	7.6	
PH TEMPERATURE		C	20.5		20.9		NA	20.2		NA	20.5	

Table C1.1
LEHR Environmental Restoration
Analytical Results For DPI Phase B

General Chemistry

	Background Level	UNITS	LEHR-SS-DP-0154 H-30, RE.C, 0 '	LEHR-SS-DP-0155 H-30, RR, 0'	LEHR-SS-DP-0156 H-30, P, 0'	LEHR-SS-DP-0157 H-30, IR, 0'	LEHR-SS-DP-0158 H-32, R, 0'	LEHR-SS-DP-0159 H-32, RE.C, 0'
CHROMIUM, HEXAVALENT	0.054	MG/KG	**0.325** Jmd/	**0.073** Jmd/J	**0.0826** Jmd/J	**0.837** Jmd/	**0.125** Jmd/J	<0.272 UJmd/U
EVAPORATIVE LOSS @ 105 C		WT%	7	11	4	10	8	8
NITROGEN, NITRATE	36	MG/KG	7.28	2.99	0.637	1.89	4.53	3.92
PH		PH UNI	7.4	7.31	7.64	7.65	6.87	7.5
PH TEMPERATURE		C	19.6	20.1	20.1	20.5	19.3	20.1

Table C1.1
LEHR Environmental Restoration
Analytical Results For DPI Phase B

General Chemistry

	Background Level	UNITS	LEHR-SS-DP-0160 H-32, RR, 0 '		LEHR-SS-DP-0161 H-32, RI.C, 0'		LEHR-SS-DP-0161DL1 H-32, RI.C, 0'	LEHR-SS-DP-0162 H-32, IF, 0'		LEHR-SS-DP-0163 H-32, P, 0'		LEHR-SS-DP-0164 I-12, LR, 0'	
CHROMIUM, HEXAVALENT	0.054	MG/KG	0.067	Jmd/J	<0.258	UJmd/U	NA	<0.258	UJmd/U	<0.258	UJmd/U	<0.266	UJmd/U
EVAPORATIVE LOSS @ 105 C		WT%	6		3		NA	6		<1	/U	9	
NITROGEN, NITRATE	36	MG/KG	0.986		1.17		NA	1.15		1		7.22	
PH		PH UNI	6.85		6.98		NA	6.94		7.08		6.92	
PH TEMPERATURE		C	20.1		19.9		NA	20.6		19.6		20	

Table C1.1
LEHR Environmental Restoration
Analytical Results For DPI Phase B

General Chemistry

	Background Level	UNITS	LEHR-SS-DP-0165 I-12, RE.C, 0'		LEHR-SS-DP-0166 I-12, RR, 0'		LEHR-SS-DP-0167 I-12, RF, 0'		LEHR-SS-DP-0168 I-12, P, 0'		LEHR-SS-DP-0168DL1 I-12, P, 0'	LEHR-SS-DP-0169 I-23, LR, 0'	
CHROMIUM, HEXAVALENT	0.054	MG/KG	<0.276	UJmd/U	0.152	Jmd/J	<0.326	UJmd/U	<0.374	UJmd/U	NA	<0.28	UJm/U
EVAPORATIVE LOSS @ 105 C		WT%	12		34		32		33		NA	13	
NITROGEN, NITRATE	36	MG/KG	4.7		11.9		1.24		2.15		NA	4.52	Jm/
PH		PH UNI	7.43		7.45		7.64		7.75		NA	8.48	
PH TEMPERATURE		C	20		20.1		19.8		19.4		NA	20.1	

Table C1.1
LEHR Environmental Restoration
Analytical Results For DPI Phase B

General Chemistry

	Background Level	UNITS	LEHR-SS-DP-0170 I-23, R, 0 '		LEHR-SS-DP-0171 I-23, RF, 0'		LEHR-SS-DP-0171DL1 I-23, RF, 0'	LEHR-SS-DP-0172 I-23, RF (FD), 0'		LEHR-SS-DP-0172DL1 I-23, RF (FD), 0'	LEHR-SS-DP-0173 I-23, P, 0'	
CHROMIUM, HEXAVALENT	0.054	MG/KG	<0.282	UJm/U	<0.272	UJm/U	NA	<0.276	UJm/U	NA	<0.264	UJm/U
EVAPORATIVE LOSS @ 105 C		WT%	12		12		NA	11		NA	13	
NITROGEN, NITRATE	36	MG/KG	3.29	Jm/	3.4	Jm/	NA	3.38	Jm/	NA	3.13	Jm/
PH		PH UNI	8.62		7.23		NA	7.24		NA	8.07	
PH TEMPERATURE		C	19.7		19.5		NA	20		NA	20	

Table C1.1
LEHR Environmental Restoration
Analytical Results For DPI Phase B

General Chemistry

	Background Level	UNITS	LEHR-SS-DP-0174 I-23, IR, 0'		LEHR-SS-DP-0175 J-23, LR, 0'		LEHR-SS-DP-0176 J-23, R, 0'		LEHR-SS-DP-0177 J-23, RE.C, 0'		LEHR-SS-DP-0178 J-23, P, 0'		LEHR-SS-DP-0178DL1 J-23, P, 0'
CHROMIUM, HEXAVALENT	0.054	MG/KG	<0.246	UJm/U	<0.284	UJm/U	<0.276	UJm/U	<0.246	UJm/U	<0.264	UJm/U	NA
EVAPORATIVE LOSS @ 105 C		WT%	9		12		12		7		7		NA
NITROGEN, NITRATE	36	MG/KG	2.26	Jm/	4.44	Jm/	4.72	Jm/	4.18	Jm/	0.831	Jm/	NA
PH		PH UNI	7.57		7.27		7.33		7.49		7.87		NA
PH TEMPERATURE		C	19.3		19.8		20		19.4		19.8		NA

Table C1.1
LEHR Environmental Restoration
Analytical Results For DPI Phase B

General Chemistry

	Background Level	UNITS	LEHR-SS-DP-0179 J-24, LR, 0 '		LEHR-SS-DP-0179DL1 J-24, LR, 0'	LEHR-SS-DP-0180 J-24, LR (FD), 0'		LEHR-SS-DP-0181 J-24, RE.C, 0'		LEHR-SS-DP-0182 J-24, RR, 0'		LEHR-SS-DP-0182DL1 J-24, RR, 0'
CHROMIUM, HEXAVALENT	0.054	MG/KG	<0.382	UJm/U	NA	<0.266	UJm/U	<0.262	UJm/U	<0.26	UJm/U	NA
EVAPORATIVE LOSS @ 105 C		WT%	37		NA	16		10		10		NA
NITROGEN, NITRATE	36	MG/KG	7.08	Jm/	NA	3.54	Jm/	4.12	Jm/	2.7	Jm/	NA
PH		PH UNI	6.55		NA	6.27		6.87		6.84		NA
PH TEMPERATURE		C	19.4		NA	19.9		19.7		20.1		NA

Table C1.1
LEHR Environmental Restoration
Analytical Results For DPI Phase B

General Chemistry

	Background Level	UNITS	LEHR-SS-DP-0183 J-24, P, 0 '		LEHR-SS-DP-0183DL1 J-24, P, 0'	LEHR-SS-DP-0184 D-20, LR (FD), 0'		LEHR-SS-DP-0185 D-30, RE.C (FD), 0'		LEHR-SS-DP-0186 H-32, RI.C (FD), 0'		LEHR-SS-DP-0187 A-20,RR, 0'	
CHROMIUM, HEXAVALENT	0.054	MG/KG	**0.172**	Jm/J	NA	<0.254	UJm/U	**0.102**	Jm/J	<0.246	UJm/U	<0.272	UJm/U
EVAPORATIVE LOSS @ 105 C		WT%	4		NA	12		8		6		9	
NITROGEN, NITRATE	36	MG/KG	0.632	Jm/	NA	2.28	Jm/	6.04	Jm/	1.46	Jm/	12.2	Jm/
PH		PH UNI	7.65		NA	6.88		7.09		7.18		8.14	
PH TEMPERATURE		C	21		NA	19.6		19.2		19.3		19.3	

Table C1.1
LEHR Environmental Restoration
Analytical Results For DPI Phase B

General Chemistry

	Background Level	UNITS	LEHR-SS-DP-0188 A-20,RR, 1.2 '		LEHR-SS-DP-0188DL1 A-20,RR, 1.2'	LEHR-SS-DP-0189 A-20,RR, 1.5'		LEHR-SS-DP-0190 east of D-17, 0'		LEHR-SS-DP-0191 east of D-17, 0'	
CHROMIUM, HEXAVALENT	0.054	MG/KG	<0.26	UJm/U	NA	0.182	Jm/J	0.0645	Jm/J	0.060	Jm/J
EVAPORATIVE LOSS @ 105 C		WT%	5		NA	25		13		11	
NITROGEN, NITRATE	36	MG/KG	8.07	Jm/	NA	0.933	Jm/	2.95	Jm/	5.02	Jm/
PH		PH UNI	8.39		NA	8.36		7.82		7.99	
PH TEMPERATURE		C	19.9		NA	21.2		19.7		20.7	

Table C1.1
LEHR Environmental Restoration
Analytical Results For DPI Phase B

Table Specifiers:

The following descriptions provide a brief explanation of codes used in association with the sample ids.

WS= Ground water sample
FD= Field Duplicate
= Shading indicates that the measured concentration is above background

Data Validation Qualifier Definitions:

The following definitions provide brief explanations of the data validation qualifiers assigned to results in the data review process.

U = The analyte was analyzed for, but was not detected above the reported sample quantitation limit.
J = The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.
N = The analysis indicates the presence of an analyte for which there is presumptive evidence to make a "tentative identification".
NJ = The analysis indicates the presence of an analyte that has been "tentatively identified" and the associated numerical value represents its approximate concentration.
UJ = The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.
R = The sample results are rejected due to serious deficiencies in the ability to analyze the sample and meet quality control criteria. The presence or absence of the analyte cannot be verified.

Data Validation Reason Code Definitions:

The following descriptions provide brief explanation of the cause for qualification of the results determined in the data review process. These reason codes are used in combination with data qualifier, i.e. "Uz" indicated the analyte is non-detect due to method blank contamination.

c = Calibration failure; poor or unstable response.
d = Matrix duplicate imprecision or matrix spike/matrix spike duplicate imprecision.
f = Field replicate or duplicate imprecision.
h = Holding time violation.
i = Internal standard failure.
l = Laboratory control sample (LCS) recovery failure.
m = Matrix spike/matrix spike duplicate (MS/MSD) recovery failure.
s = Surrogate spike recovery failure.
z = Method blank contamination.
/ = Validation Qualifier / Lab Qualifier.
B = Analyte was detected in the associated method blank.
E = Concentration exceeds calibration range.
P = Concentrations between the two GC columns are greater than 25% difference.
N= Spiked sample recovery not within control limits.
* = Duplicate analysis not within control limit.

Table C1.2
LEHR Environmental Restoration
Analytical Results For DPI Phase B

Metals by CLP

	Background Level	UNITS	LEHR-SS-DP-0071 C-32, 0 '		LEHR-SS-DP-0072 C-32, 0'		LEHR-SS-DP-0073 C-32, 0'		LEHR-SS-DP-0074 D-20, 0'		LEHR-SS-DP-0075 D-20, 0'		LEHR-SS-DP-0075DL1 D-20, 0'
MERCURY	0.63	MG/KG	<0.046	/U	<0.04	/U	0.04	J/B	0.09	J/B	0.05	J/B	NA

Table C1.2
LEHR Environmental Restoration
Analytical Results For DPI Phase B

Metals by CLP

	Background Level	UNITS	LEHR-SS-DP-0076 D-20, 0 '		LEHR-SS-DP-0077 D-25, 0'		LEHR-SS-DP-0078 D-25, 0'	LEHR-SS-DP-0079 D-25, 0'		LEHR-SS-DP-0080 D-30, 0'		LEHR-SS-DP-0081 D-30 (FD), 0'
MERCURY	0.63	MG/KG	0.07	J/B	0.05	J/B	0.13	<0.05	/U	0.05	J/B	0.28

Table C1.2
LEHR Environmental Restoration
Analytical Results For DPI Phase B

Metals by CLP

	Background Level	UNITS	LEHR-SS-DP-0082 D-30, 0'		LEHR-SS-DP-0083 D-30, 0'		LEHR-SS-DP-0084 D-30, 0'		LEHR-SS-DP-0085 E-7, 0'	LEHR-SS-DP-0086 E-7, 0'		LEHR-SS-DP-0087 E-7, 0'	
MERCURY	0.63	MG/KG	0.28		<0.046	/U	0.05	J/B	0.13	0.05	J/B	0.04	J/B

Table C1.2
LEHR Environmental Restoration
Analytical Results For DPI Phase B

Metals by CLP

	Background Level	UNITS	LEHR-SS-DP-0088 E-7, 0'		LEHR-SS-DP-0089 G-32, 0'		LEHR-SS-DP-0090 G-32, 0'	LEHR-SS-DP-0091 G-32, 0'		LEHR-SS-DP-0092 G-32 (FD), 0'	LEHR-SS-DP-0093 G-32, 0'
MERCURY	0.63	MG/KG	<0.038	/U	0.06	J/B	0.3	<0.046	/U	0.11	0.08

Table C1.2
LEHR Environmental Restoration
Analytical Results For DPI Phase B

Metals by CLP

	Background Level	UNITS	LEHR-SS-DP-0094 H-30, 0'		LEHR-SS-DP-0095 H-30, 0'	LEHR-SS-DP-0096 H-30, 0'		LEHR-SS-DP-0097 H-32, 0'	LEHR-SS-DP-0098 H-32, 0'		LEHR-SS-DP-0099 H-32, 0'	
MERCURY	0.63	MG/KG	0.05	J/B	0.13	0.07	J/B	0.13	0.08	J/B	0.05	J/B

Table C1.2
LEHR Environmental Restoration
Analytical Results For DPI Phase B

Metals by CLP

	Background Level	UNITS	LEHR-SS-DP-0100 I-12, 0'		LEHR-SS-DP-0101 I-12, 0'		LEHR-SS-DP-0102 I-12, 0'		LEHR-SS-DP-0103 I-12 (FD), 0'		LEHR-SS-DP-0104 I-12, 0'		LEHR-SS-DP-0105 I-23, 0'	
MERCURY	0.63	MG/KG	0.04	J/B	<0.039	/U	<0.048	/U	<0.048	/U	<0.035	/U	0.06	J/B

Table C1.2
LEHR Environmental Restoration
Analytical Results For DPI Phase B

Metals by CLP

	Background Level	UNITS	LEHR-SS-DP-0106 I-23, 0 '		LEHR-SS-DP-0107 I-23, 0'		LEHR-SS-DP-0108 J-23, 0'		LEHR-SS-DP-0109 J-23, 0'		LEHR-SS-DP-0110 J-23, 0'		LEHR-SS-DP-0111 J-23, 0'	
MERCURY	0.63	MG/KG	<0.04	/U	<0.037	/U	0.08		<0.04	/U	0.06	J/B	0.07	J/B

Table C1.2
LEHR Environmental Restoration
Analytical Results For DPI Phase B

Metals by CLP

	Background Level	UNITS	LEHR-SS-DP-0112 J-24, 0 '		LEHR-SS-DP-0113 J-24, 0'		LEHR-SS-DP-0114 J-24 (FD), 0'		LEHR-SS-DP-0115 J-24, 0'		LEHR-SS-DP-0116 J-24, 0'		LEHR-SS-DP-0117 C-32, LF, 0'	
MERCURY	0.63	MG/KG	NA		NA		NA		NA		NA		0.81	Jmd/*N
MERCURY	0.63	MG/KG	0.24		0.05	J/B	0.05	J/B	0.09		0.05	J/B	NA	

Table C1.2
LEHR Environmental Restoration
Analytical Results For DPI Phase B

Metals by CLP

	Background Level	UNITS	LEHR-SS-DP-0118 C-32, LC, 0'		LEHR-SS-DP-0119 C-32, RC, 0'		LEHR-SS-DP-0120 C-32, RR, 0'		LEHR-SS-DP-0121 C-32, IF, 0'		LEHR-SS-DP-0122 C-32, P, 0'		LEHR-SS-DP-0123 D-30, LR, 0'	
MERCURY	0.63	MG/KG	**1.3**	Jmd/*N	**1.2**	Jmd/*N	**0.86**	Jmd/*N	**1**	Jmd/*N	<0.069	Jmd/*N	**0.84**	Jmd/*N

Table C1.2
LEHR Environmental Restoration
Analytical Results For DPI Phase B

Metals by CLP

	Background Level	UNITS	LEHR-SS-DP-0124 D-30, RC, 0 '		LEHR-SS-DP-0125 D-30, RF, 0'		LEHR-SS-DP-0126 D-30, P, 0'		LEHR-SS-DP-0126DL1 D-30, P, 0'	LEHR-SS-DP-0127 D-30, P (FD), 0'		LEHR-SS-DP-0127DL1 D-30, P (FD), 0'
MERCURY	0.63	MG/KG	**1.1**	Jmd/*N	**1.1**	Jmd/*N	0.2	Jmd/*N	NA	0.28	Jmd/*N	NA

Table C1.2
LEHR Environmental Restoration
Analytical Results For DPI Phase B

Metals by CLP

	Background Level	UNITS	LEHR-SS-DP-0128 D-25, LF, 0 '	LEHR-SS-DP-0129 D-25, LC, 0'	LEHR-SS-DP-0130 D-25, LR, 0'	LEHR-SS-DP-0131 D-25, RC, 0'	LEHR-SS-DP-0132 D-25, RR, 0'	LEHR-SS-DP-0133 D-25, P, 0'
MERCURY	0.63	MG/KG	0.5	1.2	0.66	0.91	0.8	0.67

Table C1.2
LEHR Environmental Restoration
Analytical Results For DPI Phase B

Metals by CLP

	Background Level	UNITS	LEHR-SS-DP-0134 D-20, LR, 0 '	LEHR-SS-DP-0135 D-20, RC, 0'	LEHR-SS-DP-0136 D-20, RF, 0'	LEHR-SS-DP-0137 D-20, P, 0'	LEHR-SS-DP-0138 D-30, RR, 0'	LEHR-SS-DP-0139 D-30, IR, 0'
MERCURY	0.63	MG/KG	0.59	**0.69**	**0.74**	0.14	**1.1**	**0.99**

Table C1.2
LEHR Environmental Restoration
Analytical Results For DPI Phase B

Metals by CLP

	Background Level	UNITS	LEHR-SS-DP-0140 E-7, RE.C, 0 '	LEHR-SS-DP-0141 E-7, RR, 0'	LEHR-SS-DP-0142 E-7, IF, 0'	LEHR-SS-DP-0143 E-7, P, 0'	LEHR-SS-DP-0144 G-32, RE.C, 0'	LEHR-SS-DP-0145 G-32, LR (RR), 0'
MERCURY	0.63	MG/KG	**1.1**	0.58	**0.84**	**0.66**	0.58	**0.83**

Table C1.2
LEHR Environmental Restoration
Analytical Results For DPI Phase B

Metals by CLP

	Background Level	UNITS	LEHR-SS-DP-0146 G-32, RI.C, 0 '		LEHR-SS-DP-0147 G-32, RF, 0'		LEHR-SS-DP-0147DL1 G-32, RF, 0'	LEHR-SS-DP-0148 G-32, IF, 0'		LEHR-SS-DP-0149 G-32, P, 0'		LEHR-SS-DP-0149DL1 G-32, P, 0'
MERCURY	0.63	MG/KG	**0.65**	Jmd/N*	0.58	Jmd/N*	NA	2	Jmd/N*	**0.77**	Jmd/N*	NA

Table C1.2
LEHR Environmental Restoration
Analytical Results For DPI Phase B

Metals by CLP

	Background Level	UNITS	LEHR-SS-DP-0150 D-25, RE.C, 0 '		LEHR-SS-DP-0151 D-25, RR, 0'		LEHR-SS-DP-0151DL1 D-25, RR, 0'	LEHR-SS-DP-0152 D-25, RR, 0'		LEHR-SS-DP-0152DL1 D-25, RR, 0'	LEHR-SS-DP-0153 H-30, LC, 0'	
MERCURY	0.63	MG/KG	<0.049	JJm/NU	0.46	Jm/N	NA	1.1	Jm/N	NA	0.78	Jm/N

Table C1.2
LEHR Environmental Restoration
Analytical Results For DPI Phase B

Metals by CLP

	Background Level	UNITS	LEHR-SS-DP-0154 H-30, RE.C, 0 '		LEHR-SS-DP-0155 H-30, RR, 0'		LEHR-SS-DP-0156 H-30, P, 0'		LEHR-SS-DP-0157 H-30, IR, 0'		LEHR-SS-DP-0158 H-32, R, 0'		LEHR-SS-DP-0159 H-32, RE.C, 0'	
MERCURY	0.63	MG/KG	**0.75**	Jm/N	**0.81**	Jm/N	0.16	Jm/N	**0.75**	Jm/N	0.6	Jm/N	**1.1**	Jm/N

Table C1.2
LEHR Environmental Restoration
Analytical Results For DPI Phase B

Metals by CLP

	Background Level	UNITS	LEHR-SS-DP-0160 H-32, RR, 0 '		LEHR-SS-DP-0161 H-32, RI.C, 0'		LEHR-SS-DP-0161DL1 H-32, RI.C, 0'	LEHR-SS-DP-0162 H-32, IF, 0'		LEHR-SS-DP-0163 H-32, P, 0'		LEHR-SS-DP-0164 I-12, LR, 0'	
MERCURY	0.63	MG/KG	0.48	Jm/N	0.45	Jm/N	NA	**0.94**	Jm/N	0.23	Jm/N	0.6	Jm/N

Table C1.2
LEHR Environmental Restoration
Analytical Results For DPI Phase B

Metals by CLP

	Background Level	UNITS	LEHR-SS-DP-0165 I-12, RE.C, 0'		LEHR-SS-DP-0166 I-12, RR, 0'		LEHR-SS-DP-0167 I-12, RF, 0'		LEHR-SS-DP-0168 I-12, P, 0'		LEHR-SS-DP-0168DL1 I-12, P, 0'	LEHR-SS-DP-0169 I-23, LR, 0'	
MERCURY	0.63	MG/KG	**0.74**	Jm/N	**1**	Jm/N	**0.68**	Jm/N	**1.4**	Jm/N	NA	**0.9**	Jm/N

Table C1.2
LEHR Environmental Restoration
Analytical Results For DPI Phase B

Metals by CLP

	Background Level	UNITS	LEHR-SS-DP-0170 I-23, R, 0'		LEHR-SS-DP-0171 I-23, RF, 0'		LEHR-SS-DP-0171DL1 I-23, RF, 0'	LEHR-SS-DP-0172 I-23, RF (FD), 0'		LEHR-SS-DP-0172DL1 I-23, RF (FD), 0'	LEHR-SS-DP-0173 I-23, P, 0'	
MERCURY	0.63	MG/KG	0.35	Jm/N	**0.68**	Jm/N	NA	**1.1**	Jm/N	NA	0.28	Jm/N

Table C1.2
LEHR Environmental Restoration
Analytical Results For DPI Phase B

Metals by CLP

	Background Level	UNITS	LEHR-SS-DP-0174 I-23, IR, 0'		LEHR-SS-DP-0175 J-23, LR, 0'		LEHR-SS-DP-0176 J-23, R, 0'		LEHR-SS-DP-0177 J-23, RE.C, 0'		LEHR-SS-DP-0178 J-23, P, 0'		LEHR-SS-DP-0178DL1 J-23, P, 0'
MERCURY	0.63	MG/KG	<0.038	JJm/NU	**0.78**	Jm/N	**1.1**	Jm/N	0.49	Jm/N	0.28	Jm/N	NA

Table C1.2
LEHR Environmental Restoration
Analytical Results For DPI Phase B

Metals by CLP

	Background Level	UNITS	LEHR-SS-DP-0179 J-24, LR, 0'		LEHR-SS-DP-0179DL1 J-24, LR, 0'	LEHR-SS-DP-0180 J-24, LR (FD), 0'		LEHR-SS-DP-0181 J-24, RE.C, 0'		LEHR-SS-DP-0182 J-24, RR, 0'		LEHR-SS-DP-0182DL1 J-24, RR, 0'
MERCURY	0.63	MG/KG	1	Jm/N	NA	0.6	Jm/N	0.78	Jm/N	0.64	Jm/N	NA

Table C1.2
LEHR Environmental Restoration
Analytical Results For DPI Phase B

Metals by CLP

	Background Level	UNITS	LEHR-SS-DP-0183 J-24, P, 0'		LEHR-SS-DP-0183DL1 J-24, P, 0'	LEHR-SS-DP-0184 D-20, LR (FD), 0'		LEHR-SS-DP-0185 D-30, RE.C (FD), 0'		LEHR-SS-DP-0186 H-32, RI.C (FD), 0'		LEHR-SS-DP-0187 A-20,RR, 0'	
MERCURY	0.63	MG/KG	0.39	Jm/N	NA	**0.93**	Jm/N	**0.93**	Jm/N	0.54	Jm/N	0.33	Jmd/*N

Table C1.2
LEHR Environmental Restoration
Analytical Results For DPI Phase B

Metals by CLP

	Background Level	UNITS	LEHR-SS-DP-0188 A-20,RR, 1.2 '		LEHR-SS-DP-0188DL1 A-20,RR, 1.2'		LEHR-SS-DP-0189 A-20,RR, 1.5'		LEHR-SS-DP-0190 east of D-17, 0'		LEHR-SS-DP-0191 east of D-17, 0'	
MERCURY	0.63	MG/KG	0.17	Jmd/*N	NA		0.36	Jmd/*N	**0.91**	Jmd/*N	0.52	Jmd/*N

Table C1.2
LEHR Environmental Restoration
Analytical Results For DPI Phase B

Table Specifiers:

The following descriptions provide a brief explanation of codes used in association with the sample ids.

WS= Ground water sample
FD= Field Duplicate
= Shading indicates that the measured concentration is above background

Data Validation Qualifier Definitions:

The following definitions provide brief explanations of the data validation qualifiers assigned to results in the data review process.

U = The analyte was analyzed for, but was not detected above the reported sample quantitation limit.
J = The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.
N = The analysis indicates the presence of an analyte for which there is presumptive evidence to make a "tentative identification".
NJ = The analysis indicates the presence of an analyte that has been "tentatively identified" and the associated numerical value represents its approximate concentration.
UJ = The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.
R = The sample results are rejected due to serious deficiencies in the ability to analyze the sample and meet quality control criteria. The presence or absence of the analyte cannot be verified.

Data Validation Reason Code Definitions:

The following descriptions provide brief explanation of the cause for qualification of the results determined in the data review process. These reason codes are used in combination with data qualifier, i.e. "Uz" indicated the analyte is non-detect due to method blank contamination.

c = Calibration failure; poor or unstable response.
d = Matrix duplicate imprecision or matrix spike/matrix spike duplicate imprecision.
f = Field replicate or duplicate imprecision.
h = Holding time violation.
i = Internal standard failure.
l = Laboratory control sample (LCS) recovery failure.
m = Matrix spike/matrix spike duplicate (MS/MSD) recovery failure.
s = Surrogate spike recovery failure.
z = Method blank contamination.
/ = Validation Qualifier / Lab Qualifier.
B = Analyte was detected in the associated method blank.
E = Concentration exceeds calibration range.
P = Concentrations between the two GC columns are greater than 25% difference.
N= Spiked sample recovery not within control limits.
* = Duplicate analysis not within control limit.

Table C1.3
LEHR Environmental Restoration
Analytical Results For DPI Phase B

Pesticides by CLP

	Background Level	UNITS	LEHR-SS-DP-0071 C-32, 0'		LEHR-SS-DP-0072 C-32, 0'		LEHR-SS-DP-0073 C-32, 0'		LEHR-SS-DP-0074 D-20, 0'		LEHR-SS-DP-0075 D-20, 0'		LEHR-SS-DP-0075DL1 D-20, 0'	
4,4'-DDD		UG/KG	0.23	J/JP	0.74	J/JP	<3.3	/U	<3.3	/U	4.5	J/P	<33.3	/U
4,4'-DDE		UG/KG	<3.3	/U	<3.3	/U	<3.3	/U	<3.3	/U	<3.3	/U	<33.3	/U
4,4'-DDT		UG/KG	0.83	J/JP	0.98	J/JP	0.98	J/JP	1.9	J/JP	5.3	J/P	3.4	J/JP
ALDRIN		UG/KG	<1.6	/U	<1.6	/U	<1.6	/U	<1.6	/U	<1.7	/U	<16.7	/U
ALPHA-BHC		UG/KG	<1.6	/U	<1.6	/U	<1.6	/U	<1.6	/U	<16.7	/U	<16.7	/U
ALPHA-CHLORDANE		UG/KG	5.1	J/P	2.3		8.8	J/P	10.7		49.6	J/E	45.9	
BETA-BHC		UG/KG	<1.6	/U	<1.6	/U	<1.6	/U	<1.6	/U	<1.7	/U	<16.7	/U
DELTA-BHC		UG/KG	<1.6	/U	<1.6	/U	<1.6	/U	<1.6	/U	<1.7	/U	<16.7	/U
DIELDRIN		UG/KG	<3.3	/U	<3.3	/U	<3.3	/U	<3.3	/U	<3.3	/U	<33.3	/U
ENDOSULFAN I		UG/KG	<1.6	/U	<1.6	/U	<1.6	/U	<1.6	/U	<1.7	/U	<16.7	/U
ENDOSULFAN II		UG/KG	<3.3	/U	<3.3	/U	<3.3	/U	<3.3	/U	<3.3	/U	<33.3	/U
ENDOSULFAN SULFATE		UG/KG	<3.3	/U	<3.3	/U	<3.3	/U	<3.3	/U	<3.3	/U	<33.3	/U
ENDRIN		UG/KG	<3.3	/U	<3.3	/U	<3.3	/U	<3.3	/U	<3.3	/U	<33.3	/U
ENDRIN ALDEHYDE		UG/KG	<3.3	/U	<3.3	/U	<3.3	/U	<3.3	/U	<3.3	/U	<33.3	/U
ENDRIN KETONE		UG/KG	<3.3	/U	<3.3	/U	<3.3	/U	<3.3	/U	<3.3	/U	<3.4	/U
GAMMA-BHC		UG/KG	<1.6	/U	<1.6	/U	<1.6	/U	<1.6	/U	<1.7	/U	<16.7	/U
GAMMA-CHLORDANE		UG/KG	5.8		3.2		10.6		10.4		53.7	J/E	53.1	
HEPTACHLOR		UG/KG	<1.6	/U	<1.6	/U	<1.6	/U	<1.6	/U	<1.7	/U	<16.7	/U
HEPTACHLOR EPOXIDE		UG/KG	<1.6	/U	<1.6	/U	<1.6	/U	<1.6	/U	<1.7	/U	<16.7	/U
METHOXYCHLOR		UG/KG	<16.4	/U	<16.4	/U	<16.6	/U	<16.6	/U	<16.7	/U	<167	/U
PCB-1016		UG/KG	<32.9	/U	<32.8	/U	<33.1	/U	<33.1	/U	<33.3	/U	<333	/U
PCB-1221		UG/KG	<65.8	/U	<65.6	/U	<66.2	/U	<66.2	/U	<66.7	/U	<667	/U
PCB-1232		UG/KG	<32.9	/U	<32.8	/U	<33.1	/U	<33.1	/U	<33.3	/U	<333	/U
PCB-1242		UG/KG	<32.9	/U	<32.8	/U	<33.1	/U	<33.1	/U	<33.3	/U	<333	/U
PCB-1248		UG/KG	<32.9	/U	<32.8	/U	<33.1	/U	<33.1	/U	<33.3	/U	<333	/U
PCB-1254		UG/KG	<32.9	/U	<32.8	/U	<33.1	/U	<33.1	/U	<33.3	/U	<333	/U

Table C1.3
LEHR Environmental Restoration
Analytical Results For DPI Phase B

Pesticides by CLP

	Background Level	UNITS	LEHR-SS-DP-0071 C-32, 0 '		LEHR-SS-DP-0072 C-32, 0'		LEHR-SS-DP-0073 C-32, 0'		LEHR-SS-DP-0074 D-20, 0'		LEHR-SS-DP-0075 D-20, 0'		LEHR-SS-DP-0075DL1 D-20, 0'	
PCB-1260		UG/KG	<32.9	/U	<32.8	/U	<33.1	/U	<33.1	/U	<33.3	/U	<333	/U
TOXAPHENE		UG/KG	<164	/U	<164	/U	<166	/U	<166	/U	<167	/U	<1,670	/U

Table C1.3
LEHR Environmental Restoration
Analytical Results For DPI Phase B

Pesticides by CLP

	Background Level	UNITS	LEHR-SS-DP-0076 D-20, 0 '		LEHR-SS-DP-0077 D-25, 0'		LEHR-SS-DP-0078 D-25, 0'		LEHR-SS-DP-0079 D-25, 0'		LEHR-SS-DP-0080 D-30, 0'		LEHR-SS-DP-0081 D-30 (FD), 0'	
4,4'-DDD		UG/KG	0.13	J/JP	1.2	J/J	<3.3	/U	0.31	J/JP	<3.3	/U	<3.3	/U
4,4'-DDE		UG/KG	<3.3	/U	<3.3	/U	<3.3	/U	<3.3	/U	<3.3	/U	<3.3	/U
4,4'-DDT		UG/KG	0.47	J/JP	1.3	J/JP	<3.3	/U	0.41	J/J	0.88	J/JP	0.49	J/JP
ALDRIN		UG/KG	<1.7	/U	<1.7	/U	<1.7	/U	<1.6	/U	<1.6	/U	<1.6	/U
ALPHA-BHC		UG/KG	<1.7	/U	<1.7	/U	<1.7	/U	<1.6	/U	<1.6	/U	<1.6	/U
ALPHA-CHLORDANE		UG/KG	2.1		5.5		0.62	J/JP	0.78	J/JP	2.6	J/P	3.2	J/P
BETA-BHC		UG/KG	<1.7	/U	<1.7	/U	<1.7	/U	<1.6	/U	<1.6	/U	<1.6	/U
DELTA-BHC		UG/KG	<1.7	/U	<1.7	/U	<1.7	/U	<1.6	/U	<1.6	/U	<1.6	/U
DIELDRIN		UG/KG	<3.3	/U	<3.3	/U	<3.3	/U	<3.3	/U	<3.3	/U	<3.3	/U
ENDOSULFAN I		UG/KG	<1.7	/U	<1.7	/U	<1.7	/U	<1.6	/U	<1.6	/U	<1.6	/U
ENDOSULFAN II		UG/KG	<3.3	/U	<3.3	/U	<3.3	/U	<3.3	/U	<3.3	/U	<3.3	/U
ENDOSULFAN SULFATE		UG/KG	<3.3	/U	<3.3	/U	<3.3	/U	<3.3	/U	<3.3	/U	<3.3	/U
ENDRIN		UG/KG	<3.3	/U	<3.3	/U	<3.3	/U	<3.3	/U	<3.3	/U	<3.3	/U
ENDRIN ALDEHYDE		UG/KG	<3.3	/U	<3.3	/U	<3.3	/U	<3.3	/U	<3.3	/U	<3.3	/U
ENDRIN KETONE		UG/KG	<3.3	/U	<3.3	/U	<3.3	/U	<3.3	/U	<3.3	/U	<3.3	/U
GAMMA-BHC		UG/KG	<1.7	/U	<1.7	/U	<1.7	/U	<1.6	/U	<1.6	/U	<1.6	/U
GAMMA-CHLORDANE		UG/KG	2.3	J/P	5.8		0.66	J/J	0.72	J/J	2.8		3.5	
HEPTACHLOR		UG/KG	<1.7	/U	<1.7	/U	<1.7	/U	<1.6	/U	<1.6	/U	<1.6	/U
HEPTACHLOR EPOXIDE		UG/KG	<1.7	/U	<1.7	/U	<1.7	/U	<1.6	/U	<1.6	/U	<1.6	/U
METHOXYCHLOR		UG/KG	<16.6	/U	<16.6	/U	<16.7	/U	<16.5	/U	<16.3	/U	<3.3	/U
PCB-1016		UG/KG	<33.2	/U	<33.2	/U	<33.3	/U	<33	/U	<32.7	/U	<33.1	/U
PCB-1221		UG/KG	<66.4	/U	<66.4	/U	<66.7	/U	<66	/U	<65.4	/U	<66.2	/U
PCB-1232		UG/KG	<33.2	/U	<33.2	/U	<33.3	/U	<33	/U	<32.7	/U	<33.1	/U
PCB-1242		UG/KG	<33.2	/U	<33.2	/U	<33.3	/U	<33	/U	<32.7	/U	<33.1	/U
PCB-1248		UG/KG	<33.2	/U	<33.2	/U	<33.3	/U	<33	/U	<32.7	/U	<33.1	/U
PCB-1254		UG/KG	<33.2	/U	<33.2	/U	<33.3	/U	<33	/U	<32.7	/U	<33.1	/U

Table C1.3
LEHR Environmental Restoration
Analytical Results For DPI Phase B

Pesticides by CLP

	Background Level	UNITS	LEHR-SS-DP-0076 D-20, 0'		LEHR-SS-DP-0077 D-25, 0'		LEHR-SS-DP-0078 D-25, 0'		LEHR-SS-DP-0079 D-25, 0'		LEHR-SS-DP-0080 D-30, 0'		LEHR-SS-DP-0081 D-30 (FD), 0'	
PCB-1260		UG/KG	<33.2	/U	<33.2	/U	<33.3	/U	<33	/U	<32.7	/U	<33.1	/U
TOXAPHENE		UG/KG	<166	/U	<166	/U	<167	/U	<165	/U	<163	/U	<166	/U

Table C1.3
LEHR Environmental Restoration
Analytical Results For DPI Phase B

Pesticides by CLP

	Background Level	UNITS	LEHR-SS-DP-0082 D-30, 0'		LEHR-SS-DP-0083 D-30, 0'		LEHR-SS-DP-0084 D-30, 0'		LEHR-SS-DP-0085 E-7, 0'		LEHR-SS-DP-0086 E-7, 0'		LEHR-SS-DP-0087 E-7, 0'	
4,4'-DDD		UG/KG	0.15	J/JP	<3.3	/U	0.26	J/JP	1.6	J/JP	<3.3	/U	<3.2	/U
4,4'-DDE		UG/KG	<3.3	/U	<3.3	/U	<3.3	/U	<3.3	/U	<3.3	/U	<3.2	/U
4,4'-DDT		UG/KG	0.3	J/J	<3.3	/U	0.5	J/J	2.2	J/J	0.62	J/JP	0.35	J/J
ALDRIN		UG/KG	<1.6	/U	<1.7	/U	<1.7	/U	<1.7	/U	<1.6	/U	<1.6	/U
ALPHA-BHC		UG/KG	<1.6	/U	<1.7	/U	<1.7	/U	<1.7	/U	<1.6	/U	<1.6	/U
ALPHA-CHLORDANE		UG/KG	<1.6	/U	0.13	J/JP	0.15	J/JP	3.2	J/P	12.7		0.46	J/JP
BETA-BHC		UG/KG	<1.6	/U	<1.7	/U	<1.7	/U	<1.7	/U	<1.6	/U	<1.6	/U
DELTA-BHC		UG/KG	<1.6	/U	<1.7	/U	<1.7	/U	<1.7	/U	<1.6	/U	<1.6	/U
DIELDRIN		UG/KG	<3.3	/U	<3.3	/U	<3.3	/U	<3.3	/U	<3.3	/U	<3.2	/U
ENDOSULFAN I		UG/KG	<1.6	/U	<1.7	/U	<1.7	/U	<1.7	/U	<1.6	/U	<1.6	/U
ENDOSULFAN II		UG/KG	<3.3	/U	<3.3	/U	<3.3	/U	<3.3	/U	<3.3	/U	<3.2	/U
ENDOSULFAN SULFATE		UG/KG	<3.3	/U	<3.3	/U	<3.3	/U	<3.3	/U	<3.3	/U	<3.2	/U
ENDRIN		UG/KG	<3.3	/U	<3.3	/U	<3.3	/U	<3.3	/U	<3.3	/U	<3.2	/U
ENDRIN ALDEHYDE		UG/KG	<3.3	/U	<3.3	/U	<3.3	/U	<3.3	/U	<3.3	/U	<3.2	/U
ENDRIN KETONE		UG/KG	<3.3	/U	<3.3	/U	<3.3	/U	<3.3	/U	<3.3	/U	<3.2	/U
GAMMA-BHC		UG/KG	<1.6	/U	<1.7	/U	<1.7	/U	<1.7	/U	<1.6	/U	<1.6	/U
GAMMA-CHLORDANE		UG/KG	0.24	J/J	0.14	J/JP	0.18	J/JP	3.4		15.4		0.47	J/J
HEPTACHLOR		UG/KG	<1.6	/U	<1.7	/U	<1.7	/U	<1.7	/U	0.53	J/J	<1.6	/U
HEPTACHLOR EPOXIDE		UG/KG	<1.6	/U	<1.7	/U	<1.7	/U	<1.7	/U	<1.6	/U	<1.6	/U
METHOXYCHLOR		UG/KG	<16.3	/U	<3.3	/U	<16.6	/U	<16.6	/U	<16.4	/U	<16.3	/U
PCB-1016		UG/KG	<32.7	/U	<33.3	/U	<33.2	/U	<33.2	/U	<32.9	/U	<32.6	/U
PCB-1221		UG/KG	<65.4	/U	<66.7	/U	<66.4	/U	<66.4	/U	<65.8	/U	<65.1	/U
PCB-1232		UG/KG	<32.7	/U	<33.3	/U	<33.2	/U	<33.2	/U	<32.9	/U	<32.6	/U
PCB-1242		UG/KG	<32.7	/U	<33.3	/U	<33.2	/U	<33.2	/U	<32.9	/U	<32.6	/U
PCB-1248		UG/KG	<32.7	/U	<33.3	/U	<33.2	/U	<33.2	/U	<32.9	/U	<32.6	/U
PCB-1254		UG/KG	<32.7	/U	<33.3	/U	<33.2	/U	<33.2	/U	<32.9	/U	<32.6	/U

Table C1.3
LEHR Environmental Restoration
Analytical Results For DPI Phase B

Pesticides by CLP

	Background Level	UNITS	LEHR-SS-DP-0082 D-30, 0 '		LEHR-SS-DP-0083 D-30, 0'		LEHR-SS-DP-0084 D-30, 0'		LEHR-SS-DP-0085 E-7, 0'		LEHR-SS-DP-0086 E-7, 0'		LEHR-SS-DP-0087 E-7, 0'	
PCB-1260		UG/KG	<32.7	/U	<33.3	/U	<33.2	/U	<33.2	/U	<32.9	/U	<32.6	/U
TOXAPHENE		UG/KG	<163	/U	<167	/U	<166	/U	<166	/U	<164	/U	<163	/U

Table C1.3
LEHR Environmental Restoration
Analytical Results For DPI Phase B

Pesticides by CLP

	Background Level	UNITS	LEHR-SS-DP-0088 E-7, 0 '		LEHR-SS-DP-0089 G-32, 0'		LEHR-SS-DP-0090 G-32, 0'		LEHR-SS-DP-0091 G-32, 0'		LEHR-SS-DP-0092 G-32 (FD), 0'		LEHR-SS-DP-0093 G-32, 0'	
4,4'-DDD		UG/KG	0.25	J/J	0.36	J/J	2.6	J/JP	0.18	J/JP	0.2	J/JP	<3.4	/U
4,4'-DDE		UG/KG	<3.3	/U	<3.3	/U	<3.2	/U	<3.3	/U	<3.3	/U	<3.4	/U
4,4'-DDT		UG/KG	0.24	J/J	0.69	J/JP	3.6		0.29	J/JP	0.25	J/J	0.14	J/JP
ALDRIN		UG/KG	<1.7	/U	<1.6	/U	<1.6	/U	<1.6	/U	<1.7	/U	<1.7	/U
ALPHA-BHC		UG/KG	<1.7	/U	<1.6	/U	0.45	J/J	<1.6	/U	<1.7	/U	<1.7	/U
ALPHA-CHLORDANE		UG/KG	0.19	J/JP	1.3	J/J	6.8		0.65	J/JP	<1.7	/U	0.96	J/J
BETA-BHC		UG/KG	<1.7	/U	<1.6	/U	<1.6	/U	<1.6	/U	<1.7	/U	<1.7	/U
DELTA-BHC		UG/KG	<1.7	/U	<1.6	/U	0.2	J/JP	<1.6	/U	<1.7	/U	<1.7	/U
DIELDRIN		UG/KG	<3.3	/U	<3.3	/U	<3.2	/U	<3.3	/U	<3.3	/U	<3.4	/U
ENDOSULFAN I		UG/KG	<1.7	/U	<1.6	/U	<1.6	/U	<1.6	/U	<1.7	/U	<1.7	/U
ENDOSULFAN II		UG/KG	<3.3	/U	<3.3	/U	<3.2	/U	<3.3	/U	<3.3	/U	<3.4	/U
ENDOSULFAN SULFATE		UG/KG	<3.3	/U	<3.3	/U	<3.2	/U	<3.3	/U	<3.3	/U	<3.4	/U
ENDRIN		UG/KG	<3.3	/U	<3.3	/U	<3.2	/U	<3.3	/U	<3.3	/U	<3.4	/U
ENDRIN ALDEHYDE		UG/KG	<3.3	/U	<3.3	/U	<3.2	/U	<3.3	/U	<3.3	/U	<3.4	/U
ENDRIN KETONE		UG/KG	<3.3	/U	<3.3	/U	<3.2	/U	<3.3	/U	<3.3	/U	<3.4	/U
GAMMA-BHC		UG/KG	<1.7	/U	<1.6	/U	0.15	J/JP	<1.6	/U	<1.7	/U	<1.7	/U
GAMMA-CHLORDANE		UG/KG	0.2	J/J	1.4	J/J	7		0.64	J/J	<1.7	/U	0.91	J/J
HEPTACHLOR		UG/KG	<1.7	/U	<1.6	/U	<1.6	/U	<1.6	/U	<1.7	/U	<1.7	/U
HEPTACHLOR EPOXIDE		UG/KG	<1.7	/U	<1.6	/U	<1.6	/U	<1.6	/U	<1.7	/U	<1.7	/U
METHOXYCHLOR		UG/KG	<16.6	/U	<16.6	/U	<16.2	/U	<16.3	/U	<16.6	/U	<16.8	/U
PCB-1016		UG/KG	<33.2	/U	<33.1	/U	<32.5	/U	<32.7	/U	<33.2	/U	<33.7	/U
PCB-1221		UG/KG	<66.4	/U	<66.2	/U	<64.9	/U	<65.4	/U	<66.4	/U	<67.3	/U
PCB-1232		UG/KG	<33.2	/U	<33.1	/U	<32.5	/U	<32.7	/U	<33.2	/U	<33.7	/U
PCB-1242		UG/KG	<33.2	/U	<33.1	/U	<32.5	/U	<32.7	/U	<33.2	/U	<33.7	/U
PCB-1248		UG/KG	<33.2	/U	<33.1	/U	<32.5	/U	<32.7	/U	<33.2	/U	<33.7	/U
PCB-1254		UG/KG	<33.2	/U	<33.1	/U	<32.5	/U	<32.7	/U	<33.2	/U	<33.7	/U

Table C1.3
LEHR Environmental Restoration
Analytical Results For DPI Phase B

Pesticides by CLP

	Background Level	UNITS	LEHR-SS-DP-0088 E-7, 0 '		LEHR-SS-DP-0089 G-32, 0'		LEHR-SS-DP-0090 G-32, 0'		LEHR-SS-DP-0091 G-32, 0'		LEHR-SS-DP-0092 G-32 (FD), 0'		LEHR-SS-DP-0093 G-32, 0'	
PCB-1260		UG/KG	<33.2	/U	<33.1	/U	<32.5	/U	<32.7	/U	<33.2	/U	<33.7	/U
TOXAPHENE		UG/KG	<166	/U	<166	/U	<162	/U	<163	/U	<166	/U	<168	/U

Table C1.3
LEHR Environmental Restoration
Analytical Results For DPI Phase B

Pesticides by CLP

	Background Level	UNITS	LEHR-SS-DP-0094 H-30, 0 '		LEHR-SS-DP-0095 H-30, 0'		LEHR-SS-DP-0096 H-30, 0'		LEHR-SS-DP-0097 H-32, 0'		LEHR-SS-DP-0098 H-32, 0'		LEHR-SS-DP-0099 H-32, 0'	
4,4'-DDD		UG/KG	0.33	J/JP	<3.3	/U	<3.3	/U	<3.3	/U	<3.2	/U	0.39	J/J
4,4'-DDE		UG/KG	<3.3	/U	<3.3	/U	<3.3	/U	<3.3	/U	<3.2	/U	<3.4	/U
4,4'-DDT		UG/KG	0.8	J/J	<3.3	/U	0.54	J/J	0.42	J/JP	0.42	J/JP	0.99	J/JP
ALDRIN		UG/KG	<1.7	/U	<1.7	/U	<1.6	/U	<1.6	/U	<1.6	/U	<1.7	/U
ALPHA-BHC		UG/KG	<1.7	/U	<1.7	/U	<1.6	/U	<1.6	/U	<1.6	/U	<1.7	/U
ALPHA-CHLORDANE		UG/KG	0.48	J/J	4.9		0.5	J/J	1.9		5.4		0.57	J/P
BETA-BHC		UG/KG	<1.7	/U	<1.7	/U	<1.6	/U	<1.6	/U	<1.6	/U	<1.7	/U
DELTA-BHC		UG/KG	<1.7	/U	<1.7	/U	<1.6	/U	<1.6	/U	<1.6	/U	<1.7	/U
DIELDRIN		UG/KG	<3.3	/U	<3.3	/U	<3.3	/U	<3.3	/U	<3.2	/U	<3.4	/U
ENDOSULFAN I		UG/KG	<1.7	/U	<1.7	/U	<1.6	/U	<1.6	/U	<1.6	/U	<1.7	/U
ENDOSULFAN II		UG/KG	<3.3	/U	<3.3	/U	<3.3	/U	<3.3	/U	<3.2	/U	<3.4	/U
ENDOSULFAN SULFATE		UG/KG	<3.3	/U	<3.3	/U	<3.3	/U	<3.3	/U	<3.2	/U	<3.4	/U
ENDRIN		UG/KG	<3.3	/U	<3.3	/U	<3.3	/U	<3.3	/U	<3.2	/U	<3.4	/U
ENDRIN ALDEHYDE		UG/KG	<3.3	/U	<3.3	/U	<3.3	/U	<3.3	/U	<3.2	/U	<3.4	/U
ENDRIN KETONE		UG/KG	<3.3	/U	<3.3	/U	<3.3	/U	<3.3	/U	<3.2	/U	<3.4	/U
GAMMA-BHC		UG/KG	<1.7	/U	<1.7	/U	<1.6	/U	<1.6	/U	<1.6	/U	<1.7	/U
GAMMA-CHLORDANE		UG/KG	0.51	J/J	4.7		0.5	J/J	1.8		5.3		0.7	J/JP
HEPTACHLOR		UG/KG	<1.7	/U	<1.7	/U	<1.6	/U	<1.6	/U	<1.6	/U	<1.7	/U
HEPTACHLOR EPOXIDE		UG/KG	<1.7	/U	<1.7	/U	<1.6	/U	<1.6	/U	<1.6	/U	<1.7	/U
METHOXYCHLOR		UG/KG	<16.7	/U	<16.7	/U	<16.4	/U	<16.4	/U	<16.3	/U	<16.8	/U
PCB-1016		UG/KG	<33.3	/U	<33.4	/U	<32.8	/U	<32.8	/U	<32.6	/U	<33.6	/U
PCB-1221		UG/KG	<66.7	/U	<66.9	/U	<65.6	/U	<65.6	/U	<65.1	/U	<67.1	/U
PCB-1232		UG/KG	<33.3	/U	<33.4	/U	<32.8	/U	<32.8	/U	<32.6	/U	<33.6	/U
PCB-1242		UG/KG	<33.3	/U	<33.4	/U	<32.8	/U	<32.8	/U	<32.6	/U	<33.6	/U
PCB-1248		UG/KG	<33.3	/U	<33.4	/U	<32.8	/U	<32.8	/U	<32.6	/U	<33.6	/U
PCB-1254		UG/KG	<33.3	/U	<33.4	/U	<32.8	/U	<32.8	/U	<32.6	/U	<33.6	/U

Table C1.3
LEHR Environmental Restoration
Analytical Results For DPI Phase B

Pesticides by CLP

	Background Level	UNITS	LEHR-SS-DP-0094 H-30, 0 '		LEHR-SS-DP-0095 H-30, 0'		LEHR-SS-DP-0096 H-30, 0'		LEHR-SS-DP-0097 H-32, 0'		LEHR-SS-DP-0098 H-32, 0'		LEHR-SS-DP-0099 H-32, 0'	
PCB-1260		UG/KG	<33.3	/U	<33.4	/U	<32.8	/U	<32.8	/U	<32.6	/U	<33.6	/U
TOXAPHENE		UG/KG	<167	/U	<167	/U	<164	/U	<164	/U	<163	/U	<168	/U

Table C1.3
LEHR Environmental Restoration
Analytical Results For DPI Phase B

Pesticides by CLP

	Background Level	UNITS	LEHR-SS-DP-0100 I-12, 0'		LEHR-SS-DP-0101 I-12, 0'		LEHR-SS-DP-0102 I-12, 0'		LEHR-SS-DP-0103 I-12 (FD), 0'		LEHR-SS-DP-0104 I-12, 0'		LEHR-SS-DP-0105 I-23, 0'	
4,4'-DDD		UG/KG	1.6	J/JP	<3.3	/U	<3.3	/U	<3.3	/U	<3.3	/U	1.5	J/JP
4,4'-DDE		UG/KG	<3.3	/U	<3.3	/U	<3.3	/U	<3.3	/U	0.36	J/JP	<3.3	/U
4,4'-DDT		UG/KG	2	J/J	<3.3	/U	<3.3	/U	<3.3	/U	0.49	J/J	1.7	J/JP
ALDRIN		UG/KG	<1.7	/U	<1.6	/U	<1.7	/U	<1.6	/U	<1.6	/U	<1.6	/U
ALPHA-BHC		UG/KG	<1.7	/U	<1.6	/U	<1.7	/U	<1.6	/U	<1.6	/U	<1.6	/U
ALPHA-CHLORDANE		UG/KG	0.7	J/JP	0.6	J/JP	<1.7	/U	<1.6	/U	<1.6	/U	3.3	
BETA-BHC		UG/KG	<1.7	/U	<1.6	/U	<1.7	/U	<1.6	/U	<1.6	/U	<1.6	/U
DELTA-BHC		UG/KG	<1.7	/U	<1.6	/U	<1.7	/U	<1.6	/U	<1.6	/U	<1.6	/U
DIELDRIN		UG/KG	<3.3	/U	<3.3	/U	<3.3	/U	<3.3	/U	<3.3	/U	<3.3	/U
ENDOSULFAN I		UG/KG	<1.7	/U	<1.6	/U	<1.7	/U	<1.6	/U	<1.6	/U	<1.6	/U
ENDOSULFAN II		UG/KG	<3.3	/U	<3.3	/U	<3.3	/U	<3.3	/U	<3.3	/U	<3.3	/U
ENDOSULFAN SULFATE		UG/KG	<3.3	/U	<3.3	/U	<3.3	/U	<3.3	/U	<3.3	/U	<3.3	/U
ENDRIN		UG/KG	<3.3	/U	<3.3	/U	<3.3	/U	<3.3	/U	<3.3	/U	<3.3	/U
ENDRIN ALDEHYDE		UG/KG	<3.3	/U	<3.3	/U	<3.3	/U	<3.3	/U	<3.3	/U	<3.3	/U
ENDRIN KETONE		UG/KG	<3.3	/U	<3.3	/U	<3.3	/U	<3.3	/U	<3.3	/U	<3.3	/U
GAMMA-BHC		UG/KG	<1.7	/U	<1.6	/U	<1.7	/U	<1.6	/U	<1.6	/U	<1.6	/U
GAMMA-CHLORDANE		UG/KG	0.78	J/J	0.61	J/J	<1.7	/U	<1.6	/U	<1.6	/U	3.9	
HEPTACHLOR		UG/KG	<1.7	/U	<1.6	/U	<1.7	/U	<1.6	/U	<1.6	/U	<1.6	/U
HEPTACHLOR EPOXIDE		UG/KG	<1.7	/U	<1.6	/U	<1.7	/U	<1.6	/U	<1.6	/U	<1.6	/U
METHOXYCHLOR		UG/KG	<16.7	/U	<16.3	/U	<16.6	/U	<16.5	/U	<16.4	/U	<16.6	/U
PCB-1016		UG/KG	<33.3	/U	<32.7	/U	<33.2	/U	<33	/U	<32.9	/U	<33.1	/U
PCB-1221		UG/KG	<66.7	/U	<65.4	/U	<66.4	/U	<66	/U	<65.8	/U	<66.2	/U
PCB-1232		UG/KG	<33.3	/U	<32.7	/U	<33.2	/U	<33	/U	<32.9	/U	<33.1	/U
PCB-1242		UG/KG	<33.3	/U	<32.7	/U	<33.2	/U	<33	/U	<32.9	/U	<33.1	/U
PCB-1248		UG/KG	<33.3	/U	<32.7	/U	<33.2	/U	<33	/U	<32.9	/U	<33.1	/U
PCB-1254		UG/KG	<33.3	/U	<32.7	/U	<33.2	/U	<33	/U	<32.9	/U	<33.1	/U

Table C1.3
LEHR Environmental Restoration
Analytical Results For DPI Phase B

Pesticides by CLP

	Background Level	UNITS	LEHR-SS-DP-0100 I-12, 0'		LEHR-SS-DP-0101 I-12, 0'		LEHR-SS-DP-0102 I-12, 0'		LEHR-SS-DP-0103 I-12 (FD), 0'		LEHR-SS-DP-0104 I-12, 0'		LEHR-SS-DP-0105 I-23, 0'	
PCB-1260		UG/KG	<33.3	/U	<32.7	/U	<33.2	/U	<33	/U	<32.9	/U	<33.1	/U
TOXAPHENE		UG/KG	<167	/U	<163	/U	<166	/U	<165	/U	<164	/U	<166	/U

Table C1.3
LEHR Environmental Restoration
Analytical Results For DPI Phase B

Pesticides by CLP

	Background Level	UNITS	LEHR-SS-DP-0106 I-23, 0'		LEHR-SS-DP-0107 I-23, 0'		LEHR-SS-DP-0108 J-23, 0'		LEHR-SS-DP-0109 J-23, 0'		LEHR-SS-DP-0110 J-23, 0'		LEHR-SS-DP-0111 J-23, 0'	
4,4'-DDD		UG/KG	<3.3	/U	<3.3	/U	<3.3	/U	<3.3	/U	<3.3	/U	<3.2	/U
4,4'-DDE		UG/KG	<3.3	/U	<3.3	/U	<3.3	/U	<3.3	/U	<3.3	/U	<3.2	/U
4,4'-DDT		UG/KG	0.51	J/J	<3.3	/U	<3.3	/U	<3.3	/U	<3.3	/U	<3.2	/U
ALDRIN		UG/KG	<1.7	/U	<1.7	/U	<1.7	/U	<1.7	/U	<1.6	/U	<1.6	/U
ALPHA-BHC		UG/KG	<1.7	/U	<1.7	/U	<1.7	/U	<1.7	/U	<1.6	/U	<1.6	/U
ALPHA-CHLORDANE		UG/KG	0.44	J/JP	<1.7	/U	14.5		0.3	J/JP	<1.6	/U	1.6	J/JP
BETA-BHC		UG/KG	<1.7	/U	<1.7	/U	<1.7	/U	<1.7	/U	<1.6	/U	<1.6	/U
DELTA-BHC		UG/KG	<1.7	/U	<1.7	/U	<1.7	/U	<1.7	/U	<1.6	/U	<1.6	/U
DIELDRIN		UG/KG	<3.3	/U	<3.3	/U	<3.3	/U	<3.3	/U	<3.3	/U	<3.2	/U
ENDOSULFAN I		UG/KG	<1.7	/U	<1.7	/U	<1.7	/U	<1.7	/U	<1.6	/U	<1.6	/U
ENDOSULFAN II		UG/KG	<3.3	/U	<3.3	/U	<3.3	/U	<3.3	/U	<3.3	/U	<3.2	/U
ENDOSULFAN SULFATE		UG/KG	<3.3	/U	<3.3	/U	<3.3	/U	<3.3	/U	<3.3	/U	<3.2	/U
ENDRIN		UG/KG	<3.3	/U	<3.3	/U	<3.3	/U	<3.3	/U	<3.3	/U	<3.2	/U
ENDRIN ALDEHYDE		UG/KG	<3.3	/U	<3.3	/U	<3.3	/U	<3.3	/U	<3.3	/U	<3.2	/U
ENDRIN KETONE		UG/KG	<3.3	/U	<3.3	/U	<3.3	/U	<3.3	/U	<3.3	/U	<3.2	/U
GAMMA-BHC		UG/KG	<1.7	/U	<1.7	/U	<1.7	/U	<1.7	/U	<1.6	/U	<1.6	/U
GAMMA-CHLORDANE		UG/KG	0.87	J/J	<1.7	/U	15.6		<1.7	/U	<1.6	/U	2.3	
HEPTACHLOR		UG/KG	<1.7	/U	<1.7	/U	<1.7	/U	<1.7	/U	<1.6	/U	<1.6	/U
HEPTACHLOR EPOXIDE		UG/KG	<1.7	/U	<1.7	/U	<1.7	/U	<1.7	/U	<1.6	/U	<1.6	/U
METHOXYCHLOR		UG/KG	6.4	J/J	<16.7	/U	<16.7	/U	<16.7	/U	<16.5	/U	<16.2	/U
PCB-1016		UG/KG	<33.3	/U	<33.3	/U	<33.3	/U	<33.3	/U	<33	/U	<32.5	/U
PCB-1221		UG/KG	<66.7	/U	<66.7	/U	<66.7	/U	<66.7	/U	<66	/U	<64.9	/U
PCB-1232		UG/KG	<33.3	/U	<33.3	/U	<33.3	/U	<33.3	/U	<33	/U	<32.5	/U
PCB-1242		UG/KG	<33.3	/U	<33.3	/U	<33.3	/U	<33.3	/U	<33	/U	<32.5	/U
PCB-1248		UG/KG	<33.3	/U	<33.3	/U	<33.3	/U	<33.3	/U	<33	/U	<32.5	/U
PCB-1254		UG/KG	<33.3	/U	<33.3	/U	<33.3	/U	<33.3	/U	<33	/U	<32.5	/U

Table C1.3
LEHR Environmental Restoration
Analytical Results For DPI Phase B

Pesticides by CLP

	Background Level	UNITS	LEHR-SS-DP-0106 I-23, 0'		LEHR-SS-DP-0107 I-23, 0'		LEHR-SS-DP-0108 J-23, 0'		LEHR-SS-DP-0109 J-23, 0'		LEHR-SS-DP-0110 J-23, 0'		LEHR-SS-DP-0111 J-23, 0'	
PCB-1260		UG/KG	<33.3	/U	<33.3	/U	<33.3	/U	<33.3	/U	<33	/U	<32.5	/U
TOXAPHENE		UG/KG	<167	/U	<167	/U	<167	/U	<167	/U	<165	/U	<162	/U

Table C1.3
LEHR Environmental Restoration
Analytical Results For DPI Phase B

Pesticides by CLP

	Background Level	UNITS	LEHR-SS-DP-0112 J-24, 0'		LEHR-SS-DP-0113 J-24, 0'		LEHR-SS-DP-0114 J-24 (FD), 0'		LEHR-SS-DP-0115 J-24, 0'		LEHR-SS-DP-0116 J-24, 0'		LEHR-SS-DP-0117 C-32, LF, 0'	
4,4'-DDD		UG/KG	<3.3	/U	<3.2	/U	<3.3	/U	0.85	J/JP	<3.3	/U	<3.7	/U
4,4'-DDE		UG/KG	<3.3	/U	<3.2	/U	<3.3	/U	<3.3	/U	<3.3	/U	<3.7	/U
4,4'-DDT		UG/KG	<3.3	/U	<3.2	/U	0.83	J/J	0.93	J/J	<3.3	/U	<3.7	/U
ALDRIN		UG/KG	<1.6	/U	<1.6	/U	<1.7	/U	<1.7	/U	<1.6	/U	<1.8	/U
ALPHA-BHC		UG/KG	<1.6	/U	<1.6	/U	<1.7	/U	<1.7	/U	<1.6	/U	<1.8	/U
ALPHA-CHLORDANE		UG/KG	<1.6	/U	<1.6	/U	0.92	J/JP	<1.7	/U	0.46	J/JP	1.4	J/J
BETA-BHC		UG/KG	<1.6	/U	<1.6	/U	<1.7	/U	<1.7	/U	<1.6	/U	<1.8	/U
DELTA-BHC		UG/KG	<1.6	/U	<1.6	/U	<1.7	/U	<1.7	/U	<1.6	/U	<1.8	/U
DIELDRIN		UG/KG	<3.3	/U	<3.2	/U	<3.3	/U	<3.3	/U	<3.3	/U	<3.7	/U
ENDOSULFAN I		UG/KG	<1.6	/U	<1.6	/U	<1.7	/U	<1.7	/U	<1.6	/U	<1.8	/U
ENDOSULFAN II		UG/KG	<3.3	/U	<3.2	/U	<3.3	/U	<3.3	/U	<3.3	/U	<3.7	/U
ENDOSULFAN SULFATE		UG/KG	<3.3	/U	<3.2	/U	<3.3	/U	<3.3	/U	<3.3	/U	<3.7	/U
ENDRIN		UG/KG	<3.3	/U	<3.2	/U	<3.3	/U	<3.3	/U	<3.3	/U	<3.7	/U
ENDRIN ALDEHYDE		UG/KG	<3.3	/U	<3.2	/U	<3.3	/U	<3.3	/U	<3.3	/U	<3.7	/U
ENDRIN KETONE		UG/KG	<3.3	/U	<3.2	/U	<3.3	/U	<3.3	/U	<3.3	/U	<3.7	/U
GAMMA-BHC		UG/KG	<1.6	/U	<1.6	/U	<1.7	/U	<1.7	/U	<1.6	/U	<1.8	/U
GAMMA-CHLORDANE		UG/KG	0.53	J/JP	<1.6	/U	0.85	J/J	<1.7	/U	0.39	J/JP	1.5	J/J
HEPTACHLOR		UG/KG	<1.6	/U	<1.6	/U	<1.7	/U	<1.7	/U	<1.6	/U	<1.8	/U
HEPTACHLOR EPOXIDE		UG/KG	<1.6	/U	<1.6	/U	<1.7	/U	<1.7	/U	<1.6	/U	<1.8	/U
METHOXYCHLOR		UG/KG	<16.4	/U	<16.2	/U	<16.7	/U	<16.7	/U	<16.4	/U	<18.5	/U
PCB-1016		UG/KG	<32.9	/U	<32.5	/U	<33.3	/U	<33.3	/U	<32.8	/U	<37.1	/U
PCB-1221		UG/KG	<65.8	/U	<64.9	/U	<66.7	/U	<66.7	/U	<65.6	/U	<74.2	/U
PCB-1232		UG/KG	<32.9	/U	<32.5	/U	<33.3	/U	<33.3	/U	<32.8	/U	<37.1	/U
PCB-1242		UG/KG	<32.9	/U	<32.5	/U	<33.3	/U	<33.3	/U	<32.8	/U	<37.1	/U
PCB-1248		UG/KG	<32.9	/U	<32.5	/U	<33.3	/U	<33.3	/U	<32.8	/U	<37.1	/U
PCB-1254		UG/KG	<32.9	/U	<32.5	/U	<33.3	/U	<33.3	/U	<32.8	/U	<37.1	/U

Table C1.3
LEHR Environmental Restoration
Analytical Results For DPI Phase B

Pesticides by CLP

	Background Level	UNITS	LEHR-SS-DP-0112 J-24, 0'		LEHR-SS-DP-0113 J-24, 0'		LEHR-SS-DP-0114 J-24 (FD), 0'		LEHR-SS-DP-0115 J-24, 0'		LEHR-SS-DP-0116 J-24, 0'		LEHR-SS-DP-0117 C-32, LF, 0'	
PCB-1260		UG/KG	<32.9	/U	<32.5	/U	<33.3	/U	<33.3	/U	<32.8	/U	<37.1	/U
TOXAPHENE		UG/KG	<164	/U	<162	/U	<167	/U	<167	/U	<164	/U	<185	/U

Table C1.3
LEHR Environmental Restoration
Analytical Results For DPI Phase B

Pesticides by CLP

	Background Level	UNITS	LEHR-SS-DP-0118 C-32, LC, 0 '		LEHR-SS-DP-0119 C-32, RC, 0'		LEHR-SS-DP-0120 C-32, RR, 0'		LEHR-SS-DP-0121 C-32, IF, 0'		LEHR-SS-DP-0122 C-32, P, 0'		LEHR-SS-DP-0123 D-30, LR, 0'
4,4'-DDD		UG/KG	<3.6	/U	<5	/U	<3.5	/U	1.7	J/JP	0.88	J/J	NA
4,4'-DDE		UG/KG	<3.6	/U	<5	/U	0.4	J/J	<5.1	/U	<5	/U	NA
4,4'-DDT		UG/KG	<3.6	/U	<5	/U	1	J/J	1.8	J/J	<5	/U	NA
ALDRIN		UG/KG	<1.8	/U	<2.5	/U	<1.8	/U	<2.5	/U	<2.5	/U	NA
ALPHA-BHC		UG/KG	<1.8	/U	<2.5	/U	<1.8	/U	0.37	J/JP	<2.5	/U	NA
ALPHA-CHLORDANE		UG/KG	0.71	J/JP	2.3	J/J	3.5		2.4	J/J	18.4		NA
BETA-BHC		UG/KG	<1.8	/U	<2.5	/U	<1.8	/U	<2.5	/U	<2.5	/U	NA
DELTA-BHC		UG/KG	<1.8	/U	<2.5	/U	<1.8	/U	<2.5	/U	<2.5	/U	NA
DIELDRIN		UG/KG	<3.6	/U	<5	/U	<3.5	/U	<5.1	/U	<5	/U	NA
ENDOSULFAN I		UG/KG	<1.8	/U	<2.5	/U	<1.8	/U	<2.5	/U	<2.5	/U	NA
ENDOSULFAN II		UG/KG	<3.6	/U	<5	/U	<3.5	/U	<5.1	/U	<5	/U	NA
ENDOSULFAN SULFATE		UG/KG	<3.6	/U	<5	/U	<3.5	/U	<5.1	/U	<5	/U	NA
ENDRIN		UG/KG	<3.6	/U	<5	/U	<3.5	/U	<5.1	/U	<5	/U	NA
ENDRIN ALDEHYDE		UG/KG	<3.6	/U	<5	/U	<3.5	/U	<5.1	/U	<5	/U	NA
ENDRIN KETONE		UG/KG	<3.6	/U	<5	/U	<3.5	/U	<5.1	/U	<5	/U	NA
GAMMA-BHC		UG/KG	<1.8	/U	<2.5	/U	<1.8	/U	<2.5	/U	<2.5	/U	NA
GAMMA-CHLORDANE		UG/KG	1.2	J/J	1.6	J/J	3		1.7	J/J	16.1		NA
HEPTACHLOR		UG/KG	<1.8	/U	<2.5	/U	<1.8	/U	<2.5	/U	<2.5	/U	NA
HEPTACHLOR EPOXIDE		UG/KG	<1.8	/U	<2.5	/U	<1.8	/U	<2.5	/U	1.8	J/JP	NA
METHOXYCHLOR		UG/KG	<18.2	/U	<24.8	/U	<17.6	/U	<25.4	/U	<24.9	/U	NA
PCB-1016		UG/KG	<36.4	/U	<49.5	/U	<35.2	/U	<50.8	/U	<49.8	/U	NA
PCB-1221		UG/KG	<72.8	/U	<99	/U	<70.4	/U	<102	/U	<99.7	/U	NA
PCB-1232		UG/KG	<36.4	/U	<49.5	/U	<35.2	/U	<50.8	/U	<49.8	/U	NA
PCB-1242		UG/KG	<36.4	/U	<49.5	/U	<35.2	/U	<50.8	/U	<49.8	/U	NA
PCB-1248		UG/KG	<36.4	/U	<49.5	/U	<35.2	/U	<50.8	/U	<49.8	/U	NA
PCB-1254		UG/KG	<36.4	/U	<49.5	/U	<35.2	/U	<50.8	/U	<49.8	/U	NA

Table C1.3
LEHR Environmental Restoration
Analytical Results For DPI Phase B

Pesticides by CLP

	Background Level	UNITS	LEHR-SS-DP-0118 C-32, LC, 0'		LEHR-SS-DP-0119 C-32, RC, 0'		LEHR-SS-DP-0120 C-32, RR, 0'		LEHR-SS-DP-0121 C-32, IF, 0'		LEHR-SS-DP-0122 C-32, P, 0'		LEHR-SS-DP-0123 D-30, LR, 0'
PCB-1260		UG/KG	<36.4	/U	<49.5	/U	<35.2	/U	<50.8	/U	<49.8	/U	NA
TOXAPHENE		UG/KG	<182	/U	<248	/U	<176	/U	<254	/U	<249	/U	NA

Table C1.3
LEHR Environmental Restoration
Analytical Results For DPI Phase B

Pesticides by CLP

	Background Level	UNITS	LEHR-SS-DP-0124 D-30, RC, 0		LEHR-SS-DP-0125 D-30, RF, 0'		LEHR-SS-DP-0126 D-30, P, 0'		LEHR-SS-DP-0126DL1 D-30, P, 0'		LEHR-SS-DP-0127 D-30, P (FD), 0'		LEHR-SS-DP-0127DL1 D-30, P (FD), 0'	
4,4'-DDD		UG/KG	1.9	Jf/J	0.8	J/JP	1.8	J/JP	<17.1	/U	2.5	J/JP	<17.1	/U
4,4'-DDE		UG/KG	5.2		0.61	J/JP	<3.4	/U	<17.1	/U	<3.4	/U	<17.1	/U
4,4'-DDT		UG/KG	3.7	J/JP	1.4	J/JP	1.8	J/JP	<17.1	/U	1.8	J/JP	<17.1	/U
ALDRIN		UG/KG	<2.3	/U	<2.4	/U	<1.7	/U	<8.5	/U	<1.7	/U	<8.6	/U
ALPHA-BHC		UG/KG	<2.3	/U	<2.4	/U	<1.7	/U	<8.5	/U	<1.7	/U	<8.6	/U
ALPHA-CHLORDANE		UG/KG	12.4		15.2		65.1	J/E	55.1		69.4	J/E	56.6	
BETA-BHC		UG/KG	<2.3	/U	<2.4	/U	<1.7	/U	<8.5	/U	<1.7	/U	<8.6	/U
DELTA-BHC		UG/KG	<2.3	/U	<2.4	/U	<1.7	/U	<8.5	/U	<1.7	/U	<8.6	/U
DIELDRIN		UG/KG	<4.7	/U	<4.8	/U	<3.4	/U	<17.1	UJc/U	<3.4	/U	<17.1	UJc/U
ENDOSULFAN I		UG/KG	<2.3	/U	<2.4	/U	<1.7	/U	<8.5	/U	<1.7	/U	<8.6	/U
ENDOSULFAN II		UG/KG	<4.7	/U	<4.8	/U	<3.4	/U	<17.1	/U	<3.4	/U	<17.1	/U
ENDOSULFAN SULFATE		UG/KG	<4.7	/U	<4.8	/U	<3.4	/U	<17.1	/U	<3.4	/U	<17.1	/U
ENDRIN		UG/KG	<4.7	/U	<4.8	/U	<3.4	/U	<17.1	/U	<3.4	/U	<17.1	/U
ENDRIN ALDEHYDE		UG/KG	<4.7	/U	<4.8	/U	<3.4	/U	<17.1	/U	<3.4	/U	<17.1	/U
ENDRIN KETONE		UG/KG	<4.7	/U	<4.8	/U	<3.4	/U	<17.1	/U	<3.4	/U	<17.1	/U
GAMMA-BHC		UG/KG	<2.3	/U	<2.4	/U	<1.7	/U	<8.5	/U	<1.7	/U	<8.6	/U
GAMMA-CHLORDANE		UG/KG	11		16.1		62.2	J/E	50.8		66.1	J/E	53.7	
HEPTACHLOR		UG/KG	<2.3	/U	0.84	J/JP	<1.7	/U	<8.5	/U	<1.7	/U	<8.6	/U
HEPTACHLOR EPOXIDE		UG/KG	2.1	J/JP	1.7	J/JP	3.2	J/P	<8.5	/U	4.1	J/P	<8.6	/U
METHOXYCHLOR		UG/KG	<23.4	/U	<24.3	/U	<17.1	/U	<85.4	/U	<17.1	/U	<85.7	/U
PCB-1016		UG/KG	<46.8	/U	<48.5	/U	<34.2	/U	<171	/U	<34.3	/U	<171	/U
PCB-1221		UG/KG	<93.7	/U	<97.1	/U	<68.3	/U	<342	/U	<68.5	/U	<343	/U
PCB-1232		UG/KG	<46.8	/U	<48.5	/U	<34.2	/U	<171	/U	<34.3	/U	<171	/U
PCB-1242		UG/KG	<46.8	/U	<48.5	/U	<34.2	/U	<171	/U	<34.3	/U	<171	/U
PCB-1248		UG/KG	<46.8	/U	<48.5	/U	<34.2	/U	<171	/U	<34.3	/U	<171	/U
PCB-1254		UG/KG	<46.8	/U	<48.5	/U	<34.2	/U	<171	/U	<34.3	/U	<171	/U

Table C1.3
LEHR Environmental Restoration
Analytical Results For DPI Phase B

Pesticides by CLP

	Background Level	UNITS	LEHR-SS-DP-0124 D-30, RC, 0'		LEHR-SS-DP-0125 D-30, RF, 0'		LEHR-SS-DP-0126 D-30, P, 0'		LEHR-SS-DP-0126DL1 D-30, P, 0'		LEHR-SS-DP-0127 D-30, P (FD), 0'		LEHR-SS-DP-0127DL1 D-30, P (FD), 0'	
PCB-1260		UG/KG	<46.8	/U	<48.5	/U	<34.2	/U	<171	/U	<34.3	/U	<171	/U
TOXAPHENE		UG/KG	<234	/U	<243	/U	<171	/U	<854	/U	<171	/U	<857	/U

Table C1.3
LEHR Environmental Restoration
Analytical Results For DPI Phase B

Pesticides by CLP

	Background Level	UNITS	LEHR-SS-DP-0128 D-25, LF, 0 '		LEHR-SS-DP-0129 D-25, LC, 0'		LEHR-SS-DP-0130 D-25, LR, 0'		LEHR-SS-DP-0131 D-25, RC, 0'		LEHR-SS-DP-0132 D-25, RR, 0'		LEHR-SS-DP-0133 D-25, P, 0'	
4,4'-DDD		UG/KG	<3.3	/U	1.4	UJz/JP	2.9	UJz/JP	<3.2	UJs/U	3.2	UJz/JP	<159	/U
4,4'-DDE		UG/KG	2.1	J/JP	3.3		2	J/JP	0.33	Js/JP	10.8		<159	/U
4,4'-DDT		UG/KG	1.4	J/JP	5.1		4	J/P	0.6	UJzs/JP	6.2		<159	/U
ALDRIN		UG/KG	<1.7	/U	<1.6	/U	<1.7	/U	<1.6	UJs/U	<1.7	/U	<79.7	/U
ALPHA-BHC		UG/KG	<1.7	/U	<1.6	/U	<1.7	/U	<1.6	UJs/U	<1.7	/U	<79.7	/U
ALPHA-CHLORDANE		UG/KG	7.6	J/P	8.6	J/P	18.4		4.1	Js/	0.67	Js/JP	339	
BETA-BHC		UG/KG	<1.7	/U	<1.6	/U	<1.7	/U	<1.6	UJs/U	<1.7	/U	<79.7	/U
DELTA-BHC		UG/KG	<1.7	/U	<1.6	/U	<1.7	/U	<1.6	UJs/U	<1.7	/U	<79.7	/U
DIELDRIN		UG/KG	<3.3	/U	<3.2	/U	<3.4	/U	<3.2	UJs/U	<3.4	/U	<159	/U
ENDOSULFAN I		UG/KG	<1.7	/U	<1.6	/U	<1.7	/U	<1.6	UJs/U	<1.7	/U	<79.7	/U
ENDOSULFAN II		UG/KG	<3.3	/U	<3.2	/U	<3.4	/U	<3.2	UJs/U	<3.4	/U	<159	/U
ENDOSULFAN SULFATE		UG/KG	<3.3	/U	<3.2	/U	<3.4	/U	<3.2	UJs/U	<3.4	/U	<159	/U
ENDRIN		UG/KG	<3.3	/U	<3.2	/U	<3.4	/U	<3.2	UJs/U	<3.4	/U	<159	/U
ENDRIN ALDEHYDE		UG/KG	<3.3	/U	<3.2	/U	<3.4	/U	<3.2	UJs/U	<3.4	/U	<159	/U
ENDRIN KETONE		UG/KG	<3.3	/U	<3.2	/U	<3.4	/U	<3.2	UJs/U	<3.4	/U	<159	/U
GAMMA-BHC		UG/KG	<1.7	/U	<1.6	/U	<1.7	/U	<1.6	UJs/U	<1.7	/U	<79.7	/U
GAMMA-CHLORDANE		UG/KG	12		13		17		3.4	Js/	1.8	Js/P	429	
HEPTACHLOR		UG/KG	<1.7	/U	<1.6	/U	<1.7	/U	<1.6	UJs/U	<1.7	/U	<79.7	/U
HEPTACHLOR EPOXIDE		UG/KG	<1.7	/U	<1.6	/U	<1.7	/U	<1.6	UJs/U	<1.7	/U	<79.7	/U
METHOXYCHLOR		UG/KG	<16.7	/U	<15.8	/U	<17.1	/U	<15.9	UJs/U	<16.9	/U	<797	/U
PCB-1016		UG/KG	<33.4	/U	<31.5	/U	<34.1	/U	<31.8	UJs/U	<33.8	/U	<1,590	/U
PCB-1221		UG/KG	<66.7	/U	<63	/U	<68.3	/U	<63.7	UJs/U	<67.6	/U	<3,190	/U
PCB-1232		UG/KG	<33.4	/U	<31.5	/U	<34.1	/U	<31.8	UJs/U	<33.8	/U	<1,590	/U
PCB-1242		UG/KG	<33.4	/U	<31.5	/U	<34.1	/U	<31.8	UJs/U	<33.8	/U	<1,590	/U
PCB-1248		UG/KG	<33.4	/U	<31.5	/U	<34.1	/U	<31.8	UJs/U	<33.8	/U	<1,590	/U
PCB-1254		UG/KG	<33.4	/U	<31.5	/U	<34.1	/U	<31.8	UJs/U	<33.8	/U	<1,590	/U

Table C1.3
LEHR Environmental Restoration
Analytical Results For DPI Phase B

Pesticides by CLP

	Background Level	UNITS	LEHR-SS-DP-0128 D-25, LF, 0'		LEHR-SS-DP-0129 D-25, LC, 0'		LEHR-SS-DP-0130 D-25, LR, 0'		LEHR-SS-DP-0131 D-25, RC, 0'		LEHR-SS-DP-0132 D-25, RR, 0'		LEHR-SS-DP-0133 D-25, P, 0'	
PCB-1260		UG/KG	<33.4	/U	<31.5	/U	<34.1	/U	<31.8	UJs/U	<33.8	/U	<1,590	/U
TOXAPHENE		UG/KG	<167	/U	<158	/U	<171	/U	<159	UJs/U	<169	/U	<7,970	/U

Table C1.3
LEHR Environmental Restoration
Analytical Results For DPI Phase B

Pesticides by CLP

	Background Level	UNITS	LEHR-SS-DP-0134 D-20, LR, 0 '		LEHR-SS-DP-0135 D-20, RC, 0'		LEHR-SS-DP-0136 D-20, RF, 0'		LEHR-SS-DP-0137 D-20, P, 0'		LEHR-SS-DP-0138 D-30, RR, 0'		LEHR-SS-DP-0139 D-30, IR, 0'	
4,4'-DDD		UG/KG	0.15	UJz/JP	<3.1	/U	<3.1	/U	<3	/U	2.8	UJz/J	<6.6	/U
4,4'-DDE		UG/KG	0.59	J/JP	<3.1	/U	<3.1	/U	<3	/U	2.6	J/JP	<6.6	/U
4,4'-DDT		UG/KG	0.72	J/JP	<3.1	/U	<3.1	/U	<3	/U	7.8		3.5	J/JP
ALDRIN		UG/KG	<1.6	/U	<1.5	/U	<1.6	/U	<1.5	/U	<1.6	/U	<3.3	/U
ALPHA-BHC		UG/KG	<1.6	/U	<1.5	/U	<1.6	/U	<1.5	/U	<1.6	/U	<3.3	/U
ALPHA-CHLORDANE		UG/KG	1.4	J/JP	1.5	J/JP	<1.6	/U	4.4	J/P	11		41.7	
BETA-BHC		UG/KG	<1.6	/U	<1.5	/U	<1.6	/U	<1.5	/U	<1.6	/U	<3.3	/U
DELTA-BHC		UG/KG	<1.6	/U	<1.5	/U	<1.6	/U	<1.5	/U	<1.6	/U	<3.3	/U
DIELDRIN		UG/KG	<3.2	/U	<3.1	/U	<3.1	/U	<3	/U	<3.2	/U	<6.6	/U
ENDOSULFAN I		UG/KG	<1.6	/U	<1.5	/U	<1.6	/U	<1.5	/U	<1.6	/U	<3.3	/U
ENDOSULFAN II		UG/KG	<3.2	/U	<3.1	/U	<3.1	/U	<3	/U	<3.2	/U	<6.6	/U
ENDOSULFAN SULFATE		UG/KG	<3.2	/U	<3.1	/U	<3.1	/U	<3	/U	<3.2	/U	<6.6	/U
ENDRIN		UG/KG	<3.2	/U	<3.1	/U	<3.1	/U	<3	/U	<3.2	/U	<6.6	/U
ENDRIN ALDEHYDE		UG/KG	<3.2	/U	<3.1	/U	<3.1	/U	<3	/U	<3.2	/U	<6.6	/U
ENDRIN KETONE		UG/KG	<3.2	/U	<3.1	/U	<3.1	/U	<3	/U	<3.2	/U	<6.6	/U
GAMMA-BHC		UG/KG	<1.6	/U	<1.5	/U	<1.6	/U	<1.5	/U	<1.6	/U	<3.3	/U
GAMMA-CHLORDANE		UG/KG	2.2		3.8		1.8		8.2		11		37.1	
HEPTACHLOR		UG/KG	<1.6	/U	<1.5	/U	<1.6	/U	<1.5	/U	<1.6	/U	<3.3	/U
HEPTACHLOR EPOXIDE		UG/KG	<1.6	/U	<1.5	/U	<1.6	/U	<1.5	/U	<1.6	/U	4.3	J/P
METHOXYCHLOR		UG/KG	<15.9	/U	<15.4	/U	<15.7	/U	<15.2	/U	<16	/U	<33.2	/U
PCB-1016		UG/KG	<31.9	/U	<30.7	/U	<31.5	/U	<30.4	/U	<32	/U	<66.3	/U
PCB-1221		UG/KG	<63.7	/U	<61.5	/U	<63	/U	<60.9	/U	<63.9	/U	<133	/U
PCB-1232		UG/KG	<31.9	/U	<30.7	/U	<31.5	/U	<30.4	/U	<32	/U	<66.3	/U
PCB-1242		UG/KG	<31.9	/U	<30.7	/U	<31.5	/U	<30.4	/U	<32	/U	<66.3	/U
PCB-1248		UG/KG	<31.9	/U	<30.7	/U	<31.5	/U	<30.4	/U	<32	/U	<66.3	/U
PCB-1254		UG/KG	<31.9	/U	<30.7	/U	<31.5	/U	<30.4	/U	<32	/U	<66.3	/U

Table C1.3
LEHR Environmental Restoration
Analytical Results For DPI Phase B

Pesticides by CLP

	Background Level	UNITS	LEHR-SS-DP-0134 D-20, LR, 0'		LEHR-SS-DP-0135 D-20, RC, 0'		LEHR-SS-DP-0136 D-20, RF, 0'		LEHR-SS-DP-0137 D-20, P, 0'		LEHR-SS-DP-0138 D-30, RR, 0'		LEHR-SS-DP-0139 D-30, IR, 0'	
PCB-1260		UG/KG	<31.9	/U	<30.7	/U	<31.5	/U	<30.4	/U	<32	/U	<66.3	/U
TOXAPHENE		UG/KG	<159	/U	<154	/U	<157	/U	<152	/U	<160	/U	<332	/U

Table C1.3
LEHR Environmental Restoration
Analytical Results For DPI Phase B

Pesticides by CLP

	Background Level	UNITS	LEHR-SS-DP-0140 E-7, RE.C, 0'		LEHR-SS-DP-0141 E-7, RR, 0'		LEHR-SS-DP-0142 E-7, IF, 0'		LEHR-SS-DP-0143 E-7, P, 0'		LEHR-SS-DP-0144 G-32, RE.C, 0'		LEHR-SS-DP-0145 G-32, LR (RR), 0'	
4,4'-DDD		UG/KG	1.4	UJz/JP	<159	/U	<3.3	/U	<4.1	/U	0.15	UJz/JP	1.9	UJz/JP
4,4'-DDE		UG/KG	1.7	J/JP	<159	/U	1.2	J/JP	1.4	J/JP	0.9	J/JP	2	J/JP
4,4'-DDT		UG/KG	5	J/P	<159	/U	1.1	J/J	0.67	UJz/JP	4.9		4.6	J/P
ALDRIN		UG/KG	<2.2	/U	<79.4	/U	<1.7	/U	<2.1	/U	<1.6	/U	<2	/U
ALPHA-BHC		UG/KG	<2.2	/U	<79.4	/U	<1.7	/U	<2.1	/U	<1.6	/U	<2	/U
ALPHA-CHLORDANE		UG/KG	27.1		1,210		1.2	Js/JP	6	J/P	3	J/P	7	J/P
BETA-BHC		UG/KG	<2.2	/U	<79.4	/U	<1.7	/U	<2.1	/U	<1.6	/U	<2	/U
DELTA-BHC		UG/KG	<2.2	/U	<79.4	/U	<1.7	/U	<2.1	/U	<1.6	/U	<2	/U
DIELDRIN		UG/KG	<4.5	/U	<159	/U	<3.3	/U	<4.1	/U	<3.2	/U	<4.1	/U
ENDOSULFAN I		UG/KG	<2.2	/U	<79.4	/U	<1.7	/U	<2.1	/U	<1.6	/U	<2	/U
ENDOSULFAN II		UG/KG	<4.5	/U	<159	/U	<3.3	/U	<4.1	/U	<3.2	/U	<4.1	/U
ENDOSULFAN SULFATE		UG/KG	<4.5	/U	<159	/U	<3.3	/U	<4.1	/U	<3.2	/U	<4.1	/U
ENDRIN		UG/KG	<4.5	/U	<159	/U	<3.3	/U	<4.1	/U	<3.2	/U	<4.1	/U
ENDRIN ALDEHYDE		UG/KG	<4.5	/U	<159	/U	<3.3	/U	<4.1	/U	<3.2	/U	<4.1	/U
ENDRIN KETONE		UG/KG	<4.5	/U	<159	/U	<3.3	/U	<4.1	/U	<3.2	/U	<4.1	/U
GAMMA-BHC		UG/KG	<2.2	/U	<79.4	/U	<1.7	/U	<2.1	/U	<1.6	/U	<2	/U
GAMMA-CHLORDANE		UG/KG	30.2		976		1.3	Js/J	7.4		6.6		12	
HEPTACHLOR		UG/KG	<2.2	/U	<79.4	/U	<1.7	/U	<2.1	/U	<1.6	/U	<2	/U
HEPTACHLOR EPOXIDE		UG/KG	<2.2	/U	<79.4	/U	<1.7	/U	<2.1	/U	<1.6	/U	<2	/U
METHOXYCHLOR		UG/KG	<22.5	/U	<794	/U	<16.6	/U	<20.7	/U	3.3	J/JP	<20.3	/U
PCB-1016		UG/KG	<45	/U	<1,590	/U	<33.3	/U	<41.4	/U	<32.1	/U	<40.7	/U
PCB-1221		UG/KG	<90	/U	<3,180	/U	<66.5	/U	<82.8	/U	<64.1	/U	<81.4	/U
PCB-1232		UG/KG	<45	/U	<1,590	/U	<33.3	/U	<41.4	/U	<32.1	/U	<40.7	/U
PCB-1242		UG/KG	<45	/U	<1,590	/U	<33.3	/U	<41.4	/U	<32.1	/U	<40.7	/U
PCB-1248		UG/KG	<45	/U	<1,590	/U	<33.3	/U	<41.4	/U	<32.1	/U	<40.7	/U
PCB-1254		UG/KG	<45	/U	<1,590	/U	<33.3	/U	<41.4	/U	<32.1	/U	<40.7	/U

Table C1.3
LEHR Environmental Restoration
Analytical Results For DPI Phase B

Pesticides by CLP

	Background Level	UNITS	LEHR-SS-DP-0140 E-7, RE.C, 0'		LEHR-SS-DP-0141 E-7, RR, 0'		LEHR-SS-DP-0142 E-7, IF, 0'		LEHR-SS-DP-0143 E-7, P, 0'		LEHR-SS-DP-0144 G-32, RE.C, 0'		LEHR-SS-DP-0145 G-32, LR (RR), 0'	
PCB-1260		UG/KG	<45	/U	<1,590	/U	<33.3	/U	<41.4	/U	<32.1	/U	<40.7	/U
TOXAPHENE		UG/KG	<225	/U	<7,940	/U	<166	/U	<207	/U	<160	/U	<203	/U

Table C1.3
LEHR Environmental Restoration
Analytical Results For DPI Phase B

Pesticides by CLP

	Background Level	UNITS	LEHR-SS-DP-0146 G-32, RI.C, 0 '		LEHR-SS-DP-0147 G-32, RF, 0'		LEHR-SS-DP-0147DL1 G-32, RF, 0'		LEHR-SS-DP-0148 G-32, IF, 0'		LEHR-SS-DP-0149 G-32, P, 0'		LEHR-SS-DP-0149DL1 G-32, P, 0'	
4,4'-DDD		UG/KG	0.66	J/JP	<3.4	/U	<67.4	/U	0.82	J/JP	<4.4	/U	<44.4	/U
4,4'-DDE		UG/KG	1.2	J/J	<3.4	/U	<67.4	UJc/U	2.6	J/J	<4.4	/U	<44.4	UJc/U
4,4'-DDT		UG/KG	5.1		10.9	J/P	<67.4	/U	5.5		8.1	J/P	<44.4	/U
ALDRIN		UG/KG	<1.7	/U	<1.7	/U	<33.7	UJc/U	<2.2	/U	<2.2	/U	<22.2	UJc/U
ALPHA-BHC		UG/KG	<1.7	/U	<1.7	/U	<33.7	/U	<2.2	/U	<2.2	/U	<22.2	/U
ALPHA-CHLORDANE		UG/KG	13.5		320	J/EP	229	Jc/P	3.5		122	J/E	134	Jc/
BETA-BHC		UG/KG	<1.7	/U	<1.7	/U	<33.7	/U	<2.2	/U	<2.2	/U	<22.2	/U
DELTA-BHC		UG/KG	<1.7	/U	<1.7	/U	<33.7	/U	<2.2	/U	<2.2	/U	<22.2	/U
DIELDRIN		UG/KG	<3.4	/U	<3.4	/U	<67.4	/U	<4.5	/U	<4.4	/U	<44.4	/U
ENDOSULFAN I		UG/KG	<1.7	/U	<1.7	/U	<33.7	UJc/U	<2.2	/U	<2.2	/U	<22.2	UJc/U
ENDOSULFAN II		UG/KG	<3.4	/U	<3.4	/U	<67.4	UJc/U	<4.5	/U	<4.4	/U	<44.4	UJc/U
ENDOSULFAN SULFATE		UG/KG	<3.4	/U	<3.4	/U	<67.4	UJc/U	<4.5	/U	<4.4	/U	<44.4	UJc/U
ENDRIN		UG/KG	<3.4	/U	<3.4	/U	<67.4	/U	<4.5	/U	<4.4	/U	<44.4	/U
ENDRIN ALDEHYDE		UG/KG	<3.4	/U	<3.4	/U	<67.4	/U	<4.5	/U	<4.4	/U	<44.4	/U
ENDRIN KETONE		UG/KG	<3.4	/U	<3.4	/U	<67.4	UJc/U	<4.5	/U	<4.4	/U	<44.4	UJc/U
GAMMA-BHC		UG/KG	<1.7	/U	<1.7	/U	<33.7	/U	<2.2	/U	<2.2	/U	<22.2	/U
GAMMA-CHLORDANE		UG/KG	15.6		361	J/E	260	Jc/	3.8		118	J/EP	136	Jc/
HEPTACHLOR		UG/KG	<1.7	/U	<1.7	/U	<33.7	/U	<2.2	/U	20.6		<22.2	/U
HEPTACHLOR EPOXIDE		UG/KG	<1.7	/U	<1.7	/U	<33.7	UJc/U	<2.2	/U	<2.2	/U	<22.2	UJc/U
METHOXYCHLOR		UG/KG	<17.1	/U	<16.8	/U	<337	/U	<22.4	/U	<22.2	/U	<222	/U
PCB-1016		UG/KG	<34.2	/U	<33.7	/U	<674	/U	<44.8	/U	<44.4	/U	<444	/U
PCB-1221		UG/KG	<68.4	/U	<67.4	/U	<1,350	/U	<89.5	/U	<88.9	/U	<889	/U
PCB-1232		UG/KG	<34.2	/U	<33.7	/U	<674	/U	<44.8	/U	<44.4	/U	<444	/U
PCB-1242		UG/KG	<34.2	/U	<33.7	/U	<674	/U	<44.8	/U	<44.4	/U	<444	/U
PCB-1248		UG/KG	<34.2	/U	<33.7	/U	<674	/U	<44.8	/U	<44.4	/U	<444	/U
PCB-1254		UG/KG	<34.2	/U	<33.7	/U	<674	/U	<44.8	/U	<44.4	/U	<444	/U

Table C1.3
LEHR Environmental Restoration
Analytical Results For DPI Phase B

Pesticides by CLP

	Background Level	UNITS	LEHR-SS-DP-0146 G-32, RI.C, 0 '		LEHR-SS-DP-0147 G-32, RF, 0'		LEHR-SS-DP-0147DL1 G-32, RF, 0'		LEHR-SS-DP-0148 G-32, IF, 0'		LEHR-SS-DP-0149 G-32, P, 0'		LEHR-SS-DP-0149DL1 G-32, P, 0'	
PCB-1260		UG/KG	<34.2	/U	<33.7	/U	<674	/U	<44.8	/U	<44.4	/U	<444	/U
TOXAPHENE		UG/KG	<171	/U	<168	/U	<3,370	/U	<224	/U	<222	/U	<2,220	/U

Table C1.3
LEHR Environmental Restoration
Analytical Results For DPI Phase B

Pesticides by CLP

	Background Level	UNITS	LEHR-SS-DP-0150 D-25, RE.C, 0 '		LEHR-SS-DP-0151 D-25, RR, 0'		LEHR-SS-DP-0151DL1 D-25, RR, 0'		LEHR-SS-DP-0152 D-25, RR, 0'		LEHR-SS-DP-0152DL1 D-25, RR, 0'		LEHR-SS-DP-0153 H-30, LC, 0'	
4,4'-DDD		UG/KG	<3.3	/U	<3.3	/U	<16.5	/U	<3.9	/U	<19.3	/U	<3.6	/U
4,4'-DDE		UG/KG	<3.3	/U	<3.3	/U	<16.5	/U	<3.9	/U	<19.3	/U	0.49	J/JP
4,4'-DDT		UG/KG	<3.3	/U	<3.3	/U	<16.5	/U	<3.9	/U	<19.3	/U	2.5	J/JP
ALDRIN		UG/KG	<1.6	/U	<1.6	/U	<8.2	/U	<1.9	/U	<9.7	/U	<1.8	/U
ALPHA-BHC		UG/KG	<1.6	/U	<1.6	/U	<8.2	/U	<1.9	/U	<9.7	/U	<1.8	/U
ALPHA-CHLORDANE		UG/KG	10.8		107	J/E	115		105	J/E	122		4.9	
BETA-BHC		UG/KG	<1.6	/U	<1.6	/U	<8.2	/U	<1.9	/U	<9.7	/U	<1.8	/U
DELTA-BHC		UG/KG	<1.6	/U	<1.6	/U	<8.2	/U	<1.9	/U	<9.7	/U	<1.8	/U
DIELDRIN		UG/KG	<3.3	/U	<3.3	/U	<16.5	/U	<3.9	/U	<19.3	/U	<3.6	/U
ENDOSULFAN I		UG/KG	<1.6	/U	<1.6	/U	<8.2	/U	<1.9	/U	<9.7	/U	<1.8	/U
ENDOSULFAN II		UG/KG	<3.3	/U	<3.3	/U	<16.5	/U	<3.9	/U	<19.3	/U	<3.6	/U
ENDOSULFAN SULFATE		UG/KG	<3.3	/U	<3.3	/U	<16.5	/U	<3.9	/U	<19.3	/U	<3.6	/U
ENDRIN		UG/KG	<3.3	/U	<3.3	/U	<16.5	/U	<3.9	/U	<19.3	/U	<3.6	/U
ENDRIN ALDEHYDE		UG/KG	<3.3	/U	<3.3	/U	<16.5	/U	<3.9	/U	<19.3	/U	<3.6	/U
ENDRIN KETONE		UG/KG	<3.3	/U	<3.3	/U	<16.5	/U	<3.9	/U	<19.3	/U	<3.6	/U
GAMMA-BHC		UG/KG	<1.6	/U	<1.6	/U	<8.2	/U	<1.9	/U	<9.7	/U	<1.8	/U
GAMMA-CHLORDANE		UG/KG	9.8		90.4	J/E	98.4		89.4	J/E	103		4.6	
HEPTACHLOR		UG/KG	<1.6	/U	<1.6	/U	<8.2	/U	<1.9	/U	<9.7	/U	<1.8	/U
HEPTACHLOR EPOXIDE		UG/KG	<1.6	/U	<1.6	/U	<8.2	/U	<1.9	/U	<9.7	/U	<1.8	/U
METHOXYCHLOR		UG/KG	<16.4	/U	<16.5	/U	<82.6	/U	<19.3	/U	<96.7	/U	<17.9	/U
PCB-1016		UG/KG	<32.8	/U	<33	/U	<165	/U	<38.7	/U	<193	/U	<35.9	/U
PCB-1221		UG/KG	<65.6	/U	<66	/U	<330	/U	<77.4	/U	<387	/U	<71.7	/U
PCB-1232		UG/KG	<32.8	/U	<33	/U	<165	/U	<38.7	/U	<193	/U	<35.9	/U
PCB-1242		UG/KG	<32.8	/U	<33	/U	<165	/U	<38.7	/U	<193	/U	<35.9	/U
PCB-1248		UG/KG	<32.8	/U	<33	/U	<165	/U	<38.7	/U	<193	/U	<35.9	/U
PCB-1254		UG/KG	<32.8	/U	<33	/U	<165	/U	<38.7	/U	<193	/U	<35.9	/U

Table C1.3
LEHR Environmental Restoration
Analytical Results For DPI Phase B

Pesticides by CLP

	Background Level	UNITS	LEHR-SS-DP-0150 D-25, RE.C, 0'		LEHR-SS-DP-0151 D-25, RR, 0'		LEHR-SS-DP-0151DL1 D-25, RR, 0'		LEHR-SS-DP-0152 D-25, RR, 0'		LEHR-SS-DP-0152DL1 D-25, RR, 0'		LEHR-SS-DP-0153 H-30, LC, 0'	
PCB-1260		UG/KG	<32.8	/U	<33	/U	<165	/U	<38.7	/U	<193	/U	<35.9	/U
TOXAPHENE		UG/KG	<164	/U	<165	/U	<826	/U	<193	/U	<967	/U	<179	/U

Table C1.3
LEHR Environmental Restoration
Analytical Results For DPI Phase B

Pesticides by CLP

	Background Level	UNITS	LEHR-SS-DP-0154 H-30, RE.C, 0'		LEHR-SS-DP-0155 H-30, RR, 0'		LEHR-SS-DP-0156 H-30, P, 0'		LEHR-SS-DP-0157 H-30, IR, 0'		LEHR-SS-DP-0158 H-32, R, 0'		LEHR-SS-DP-0159 H-32, RE.C, 0'	
4,4'-DDD		UG/KG	2.2	J/J	<3.7	/U	<3.4	/U	<3.6	/U	<7.2	/U	<3.6	/U
4,4'-DDE		UG/KG	0.88	J/JP	1.4	J/JP	<3.4	/U	0.59	J/JP	1.6	J/JP	1.3	J/JP
4,4'-DDT		UG/KG	4.4	J/P	6		<3.4	/U	1.9	J/J	4.7	J/J	3.4	J/J
ALDRIN		UG/KG	<1.8	/U	<1.8	/U	<1.7	/U	<1.8	/U	<3.6	/U	<1.8	/U
ALPHA-BHC		UG/KG	<1.8	/U	<1.8	/U	<1.7	/U	<1.8	/U	<3.6	/U	<1.8	/U
ALPHA-CHLORDANE		UG/KG	8		20.5		18.3		0.72	J/J	31.7		11.9	
BETA-BHC		UG/KG	<1.8	/U	<1.8	/U	<1.7	/U	<1.8	/U	<3.6	/U	<1.8	/U
DELTA-BHC		UG/KG	<1.8	/U	<1.8	/U	<1.7	/U	<1.8	/U	<3.6	/U	<1.8	/U
DIELDRIN		UG/KG	<3.5	/U	<3.7	/U	<3.4	/U	<3.6	/U	<7.2	/U	<3.6	/U
ENDOSULFAN I		UG/KG	<1.8	/U	<1.8	/U	<1.7	/U	<1.8	/U	<3.6	/U	<1.8	/U
ENDOSULFAN II		UG/KG	<3.5	/U	<3.7	/U	<3.4	/U	<3.6	/U	<7.2	/U	<3.6	/U
ENDOSULFAN SULFATE		UG/KG	<3.5	/U	<3.7	/U	<3.4	/U	<3.6	/U	<7.2	/U	<3.6	/U
ENDRIN		UG/KG	<3.5	/U	<3.7	/U	<3.4	/U	<3.6	/U	<7.2	/U	<3.6	/U
ENDRIN ALDEHYDE		UG/KG	<3.5	/U	<3.7	/U	<3.4	/U	<3.6	/U	<7.2	/U	<3.6	/U
ENDRIN KETONE		UG/KG	<3.5	/U	<3.7	/U	<3.4	/U	<3.6	/U	<7.2	/U	<3.6	/U
GAMMA-BHC		UG/KG	<1.8	/U	<1.8	/U	<1.7	/U	<1.8	/U	<3.6	/U	<1.8	/U
GAMMA-CHLORDANE		UG/KG	6.8		17.9		16.5		0.65	J/J	26.1		10.4	
HEPTACHLOR		UG/KG	<1.8	/U	<1.8	/U	<1.7	/U	<1.8	/U	<3.6	/U	<1.8	/U
HEPTACHLOR EPOXIDE		UG/KG	<1.8	/U	<1.8	/U	<1.7	/U	<1.8	/U	<3.6	/U	<1.8	/U
METHOXYCHLOR		UG/KG	<17.7	/U	<18.5	/U	<17	/U	<18.1	/U	<36	/U	<18	/U
PCB-1016		UG/KG	<35.5	/U	<37.1	/U	<34	/U	<36.2	/U	<72	/U	<36	/U
PCB-1221		UG/KG	<71	/U	<74.2	/U	<68.1	/U	<72.4	/U	<144	/U	<72	/U
PCB-1232		UG/KG	<35.5	/U	<37.1	/U	<34	/U	<36.2	/U	<72	/U	<36	/U
PCB-1242		UG/KG	<35.5	/U	<37.1	/U	<34	/U	<36.2	/U	<72	/U	<36	/U
PCB-1248		UG/KG	<35.5	/U	<37.1	/U	<34	/U	<36.2	/U	<72	/U	<36	/U
PCB-1254		UG/KG	<35.5	/U	<37.1	/U	<34	/U	<36.2	/U	<72	/U	<36	/U

Table C1.3
LEHR Environmental Restoration
Analytical Results For DPI Phase B

Pesticides by CLP

	Background Level	UNITS	LEHR-SS-DP-0154 H-30, RE.C, 0'		LEHR-SS-DP-0155 H-30, RR, 0'		LEHR-SS-DP-0156 H-30, P, 0'		LEHR-SS-DP-0157 H-30, IR, 0'		LEHR-SS-DP-0158 H-32, R, 0'		LEHR-SS-DP-0159 H-32, RE.C, 0'	
PCB-1260		UG/KG	<35.5	/U	<37.1	/U	<34	/U	<36.2	/U	<72	/U	<36	/U
TOXAPHENE		UG/KG	<177	/U	<185	/U	<170	/U	<181	/U	<360	/U	<180	/U

Table C1.3
LEHR Environmental Restoration
Analytical Results For DPI Phase B

Pesticides by CLP

	Background Level	UNITS	LEHR-SS-DP-0160 H-32, RR, 0 '		LEHR-SS-DP-0161 H-32, RI.C, 0'		LEHR-SS-DP-0161DL1 H-32, RI.C, 0'		LEHR-SS-DP-0162 H-32, IF, 0'		LEHR-SS-DP-0163 H-32, P, 0'		LEHR-SS-DP-0164 I-12, LR, 0'	
4,4'-DDD		UG/KG	<3.5	/U	<3.3	/U	<16.7	/U	<3.5	/U	<3.3	/U	1.5	J/JP
4,4'-DDE		UG/KG	0.75	J/JP	<3.3	/U	<16.7	/U	<3.5	/U	<3.3	/U	2.2	J/J
4,4'-DDT		UG/KG	<3.5	/U	<3.3	/U	<16.7	/U	<3.5	/U	<3.3	/U	4.6	
ALDRIN		UG/KG	<1.7	/U	<1.7	/U	<8.4	/U	<1.8	/U	<1.7	/U	<1.8	/U
ALPHA-BHC		UG/KG	<1.7	/U	<1.7	/U	<8.4	/U	<1.8	/U	<1.7	/U	<1.8	/U
ALPHA-CHLORDANE		UG/KG	25.1		54.7	J/E	67.6		3.2		5.8		14.3	
BETA-BHC		UG/KG	<1.7	/U	<1.7	/U	<8.4	/U	<1.8	/U	<1.7	/U	<1.8	/U
DELTA-BHC		UG/KG	<1.7	/U	<1.7	/U	<8.4	/U	<1.8	/U	<1.7	/U	<1.8	/U
DIELDRIN		UG/KG	<3.5	/U	<3.3	/U	<16.7	/U	<3.5	/U	<3.3	/U	<3.6	/U
ENDOSULFAN I		UG/KG	<1.7	/U	<1.7	/U	<8.4	/U	<1.8	/U	<1.7	/U	<1.8	/U
ENDOSULFAN II		UG/KG	<3.5	/U	<3.3	/U	<16.7	/U	<3.5	/U	<3.3	/U	<3.6	/U
ENDOSULFAN SULFATE		UG/KG	<3.5	/U	<3.3	/U	<16.7	/U	<3.5	/U	<3.3	/U	<3.6	/U
ENDRIN		UG/KG	<3.5	/U	<3.3	/U	<16.7	/U	<3.5	/U	<3.3	/U	<3.6	/U
ENDRIN ALDEHYDE		UG/KG	<3.5	/U	<3.3	/U	<16.7	/U	<3.5	/U	<3.3	/U	<3.6	/U
ENDRIN KETONE		UG/KG	<3.5	/U	<3.3	/U	<16.7	/U	<3.5	/U	<3.3	/U	<3.6	/U
GAMMA-BHC		UG/KG	<1.7	/U	<1.7	/U	<8.4	/U	<1.8	/U	<1.7	/U	<1.8	/U
GAMMA-CHLORDANE		UG/KG	21		52.6	J/E	57.8		3.6		4.5		12.2	
HEPTACHLOR		UG/KG	<1.7	/U	<1.7	/U	<8.4	/U	<1.8	/U	<1.7	/U	<1.8	/U
HEPTACHLOR EPOXIDE		UG/KG	<1.7	/U	<1.7	/U	<8.4	/U	<1.8	/U	<1.7	/U	<1.8	/U
METHOXYCHLOR		UG/KG	<17.5	/U	<16.7	/U	<83.7	/U	<17.6	/U	<16.7	/U	<17.9	/U
PCB-1016		UG/KG	<35	/U	<33.5	/U	<167	/U	<35.1	/U	<33.4	/U	<35.8	/U
PCB-1221		UG/KG	<70	/U	<66.9	/U	<335	/U	<70.2	/U	<66.9	/U	<71.6	/U
PCB-1232		UG/KG	<35	/U	<33.5	/U	<167	/U	<35.1	/U	<33.4	/U	<35.8	/U
PCB-1242		UG/KG	<35	/U	<33.5	/U	<167	/U	<35.1	/U	<33.4	/U	<35.8	/U
PCB-1248		UG/KG	<35	/U	<33.5	/U	<167	/U	<35.1	/U	<33.4	/U	<35.8	/U
PCB-1254		UG/KG	<35	/U	<33.5	/U	<167	/U	<35.1	/U	<33.4	/U	<35.8	/U

Table C1.3
LEHR Environmental Restoration
Analytical Results For DPI Phase B

Pesticides by CLP

	Background Level	UNITS	LEHR-SS-DP-0160 H-32, RR, 0 '		LEHR-SS-DP-0161 H-32, RI.C, 0'		LEHR-SS-DP-0161DL1 H-32, RI.C, 0'		LEHR-SS-DP-0162 H-32, IF, 0'		LEHR-SS-DP-0163 H-32, P, 0'		LEHR-SS-DP-0164 I-12, LR, 0'	
PCB-1260		UG/KG	<35	/U	<33.5	/U	<167	/U	<35.1	/U	<33.4	/U	<35.8	/U
TOXAPHENE		UG/KG	<175	/U	<167	/U	<837	/U	<176	/U	<167	/U	<179	/U

Table C1.3
LEHR Environmental Restoration
Analytical Results For DPI Phase B

Pesticides by CLP

	Background Level	UNITS	LEHR-SS-DP-0165 I-12, RE.C, 0'		LEHR-SS-DP-0166 I-12, RR, 0'		LEHR-SS-DP-0167 I-12, RF, 0'		LEHR-SS-DP-0168 I-12, P, 0'		LEHR-SS-DP-0168DL1 I-12, P, 0'		LEHR-SS-DP-0169 I-23, LR, 0'	
4,4'-DDD		UG/KG	<3.8	/U	<4.9	/U	<4.9	/U	<4.9	/U	<9.8	/U	<3.8	/U
4,4'-DDE		UG/KG	1.3	J/J	2.7	J/J	0.45	J/JP	<4.9	/U	<9.8	/U	<3.8	/U
4,4'-DDT		UG/KG	2.5	J/JP	3.8	J/J	<4.9	/U	<4.9	/U	<9.8	/U	<3.8	/U
ALDRIN		UG/KG	<1.9	/U	<2.4	/U	<2.4	/U	<2.4	/U	<4.9	/U	<1.9	/U
ALPHA-BHC		UG/KG	<1.9	/U	<2.4	/U	<2.4	/U	<2.4	/U	<4.9	/U	<1.9	/U
ALPHA-CHLORDANE		UG/KG	3.4		2.6		26.2		40.9	J/E	44		6.6	
BETA-BHC		UG/KG	<1.9	/U	<2.4	/U	<2.4	/U	<2.4	/U	<4.9	/U	<1.9	/U
DELTA-BHC		UG/KG	<1.9	/U	<2.4	/U	<2.4	/U	<2.4	/U	<4.9	/U	<1.9	/U
DIELDRIN		UG/KG	<3.8	/U	<4.9	/U	<4.9	/U	<4.9	/U	<9.8	/U	<3.8	/U
ENDOSULFAN I		UG/KG	<1.9	/U	<2.4	/U	<2.4	/U	<2.4	/U	<4.9	/U	<1.9	/U
ENDOSULFAN II		UG/KG	<3.8	/U	<4.9	/U	<4.9	/U	<4.9	/U	<9.8	/U	<3.8	/U
ENDOSULFAN SULFATE		UG/KG	<3.8	/U	<4.9	/U	<4.9	/U	<4.9	/U	<9.8	/U	<3.8	/U
ENDRIN		UG/KG	<3.8	/U	<4.9	/U	<4.9	/U	<4.9	/U	<9.8	/U	<3.8	/U
ENDRIN ALDEHYDE		UG/KG	<3.8	/U	<4.9	/U	<4.9	/U	<4.9	/U	<9.8	/U	<3.8	/U
ENDRIN KETONE		UG/KG	<3.8	/U	<4.9	/U	<4.9	/U	<4.9	/U	<9.8	/U	<3.8	/U
GAMMA-BHC		UG/KG	<1.9	/U	<2.4	/U	<2.4	/U	<2.4	/U	<4.9	/U	<1.9	/U
GAMMA-CHLORDANE		UG/KG	2.5		1.7	J/JP	27.5		35.2		39.5		5.4	
HEPTACHLOR		UG/KG	<1.9	/U	<2.4	/U	<2.4	/U	<2.4	/U	<4.9	/U	<1.9	/U
HEPTACHLOR EPOXIDE		UG/KG	<1.9	/U	<2.4	/U	<2.4	/U	<2.4	/U	<4.9	/U	<1.9	/U
METHOXYCHLOR		UG/KG	<18.8	/U	<24.6	/U	<24.3	/U	<24.5	/U	<49.1	/U	<19	/U
PCB-1016		UG/KG	<37.5	/U	<49.2	/U	<48.7	/U	<49.1	/U	<98.2	/U	<38.1	/U
PCB-1221		UG/KG	<75	/U	<98.4	/U	<97.4	/U	<98.2	/U	<196	/U	<76.1	/U
PCB-1232		UG/KG	<37.5	/U	<49.2	/U	<48.7	/U	<49.1	/U	<98.2	/U	<38.1	/U
PCB-1242		UG/KG	<37.5	/U	<49.2	/U	<48.7	/U	<49.1	/U	<98.2	/U	<38.1	/U
PCB-1248		UG/KG	<37.5	/U	<49.2	/U	<48.7	/U	<49.1	/U	<98.2	/U	<38.1	/U
PCB-1254		UG/KG	<37.5	/U	<49.2	/U	<48.7	/U	<49.1	/U	<98.2	/U	<38.1	/U

Table C1.3
LEHR Environmental Restoration
Analytical Results For DPI Phase B

Pesticides by CLP

	Background Level	UNITS	LEHR-SS-DP-0165 I-12, RE.C, 0'		LEHR-SS-DP-0166 I-12, RR, 0'		LEHR-SS-DP-0167 I-12, RF, 0'		LEHR-SS-DP-0168 I-12, P, 0'		LEHR-SS-DP-0168DL1 I-12, P, 0'		LEHR-SS-DP-0169 I-23, LR, 0'	
PCB-1260		UG/KG	<37.5	/U	<49.2	/U	<48.7	/U	<49.1	/U	<98.2	/U	<38.1	/U
TOXAPHENE		UG/KG	<188	/U	<246	/U	<243	/U	<245	/U	<491	/U	<190	/U

Table C1.3
LEHR Environmental Restoration
Analytical Results For DPI Phase B

Pesticides by CLP

	Background Level	UNITS	LEHR-SS-DP-0170 I-23, R, 0'		LEHR-SS-DP-0171 I-23, RF, 0'		LEHR-SS-DP-0171DL1 I-23, RF, 0'		LEHR-SS-DP-0172 I-23, RF (FD), 0'		LEHR-SS-DP-0172DL1 I-23, RF (FD), 0'		LEHR-SS-DP-0173 I-23, P, 0'	
4,4'-DDD		UG/KG	<3.8	/U	<3.7	/U	<18.7	/U	<3.7	/U	<18.6	/U	<3.8	/U
4,4'-DDE		UG/KG	<3.8	/U	<3.7	/U	<18.7	/U	<3.7	/U	<18.6	/U	<3.8	/U
4,4'-DDT		UG/KG	<3.8	/U	<3.7	/U	<18.7	/U	<3.7	/U	<18.6	/U	<3.8	/U
ALDRIN		UG/KG	<1.9	/U	<1.9	/U	<9.3	/U	<1.9	/U	<9.3	/U	<1.9	/U
ALPHA-BHC		UG/KG	<1.9	/U	<1.9	/U	<9.3	/U	0.75	J/JP	<9.3	/U	<1.9	/U
ALPHA-CHLORDANE		UG/KG	<1.9	/U	63.4	J/E	65.7		57.9	J/E	62.1		26.3	
BETA-BHC		UG/KG	<1.9	/U	<1.9	/U	<9.3	/U	<1.9	/U	<9.3	/U	<1.9	/U
DELTA-BHC		UG/KG	<1.9	/U	<1.9	/U	<9.3	/U	<1.9	/U	<9.3	/U	<1.9	/U
DIELDRIN		UG/KG	<3.8	/U	<3.7	/U	<18.7	/U	<3.7	/U	<18.6	/U	<3.8	/U
ENDOSULFAN I		UG/KG	<1.9	/U	<1.9	/U	<9.3	/U	<1.9	/U	<9.3	/U	<1.9	/U
ENDOSULFAN II		UG/KG	<3.8	/U	<3.7	/U	<18.7	/U	<3.7	/U	<18.6	/U	<3.8	/U
ENDOSULFAN SULFATE		UG/KG	<3.8	/U	<3.7	/U	<18.7	/U	<3.7	/U	<18.6	/U	<3.8	/U
ENDRIN		UG/KG	<3.8	/U	<3.7	/U	<18.7	/U	<3.7	/U	<18.6	/U	<3.8	/U
ENDRIN ALDEHYDE		UG/KG	<3.8	/U	<3.7	/U	<18.7	/U	<3.7	/U	<18.6	/U	<3.8	/U
ENDRIN KETONE		UG/KG	<3.8	/U	<3.7	/U	<18.7	/U	<3.7	/U	<18.6	/U	<3.8	/U
GAMMA-BHC		UG/KG	<1.9	/U	<1.9	/U	<9.3	/U	<1.9	/U	<9.3	/U	<1.9	/U
GAMMA-CHLORDANE		UG/KG	<1.9	/U	66.6	J/E	71.2		61.5	J/E	62.5	J/P	24.8	
HEPTACHLOR		UG/KG	<1.9	/U	<1.9	/U	<9.3	/U	<1.9	/U	<9.3	/U	<1.9	/U
HEPTACHLOR EPOXIDE		UG/KG	<1.9	/U	<1.9	/U	<9.3	/U	<1.9	/U	<9.3	/U	<1.9	/U
METHOXYCHLOR		UG/KG	<18.8	/U	<18.7	/U	<93.4	/U	<18.6	/U	<93	/U	<18.8	/U
PCB-1016		UG/KG	<37.5	/U	<37.4	/U	<187	/U	<37.2	/U	<186	/U	<37.7	/U
PCB-1221		UG/KG	<75	/U	<74.8	/U	<374	/U	<74.4	/U	<372	/U	<75.4	/U
PCB-1232		UG/KG	<37.5	/U	<37.4	/U	<187	/U	<37.2	/U	<186	/U	<37.7	/U
PCB-1242		UG/KG	<37.5	/U	<37.4	/U	<187	/U	<37.2	/U	<186	/U	<37.7	/U
PCB-1248		UG/KG	<37.5	/U	<37.4	/U	<187	/U	<37.2	/U	<186	/U	<37.7	/U
PCB-1254		UG/KG	<37.5	/U	<37.4	/U	<187	/U	<37.2	/U	<186	/U	<37.7	/U

Table C1.3
LEHR Environmental Restoration
Analytical Results For DPI Phase B

Pesticides by CLP

	Background Level	UNITS	LEHR-SS-DP-0170 I-23, R, 0'		LEHR-SS-DP-0171 I-23, RF, 0'		LEHR-SS-DP-0171DL1 I-23, RF, 0'		LEHR-SS-DP-0172 I-23, RF (FD), 0'		LEHR-SS-DP-0172DL1 I-23, RF (FD), 0'		LEHR-SS-DP-0173 I-23, P, 0'	
PCB-1260		UG/KG	<37.5	/U	<37.4	/U	<187	/U	<37.2	/U	<186	/U	<37.7	/U
TOXAPHENE		UG/KG	<188	/U	<187	/U	<934	/U	<186	/U	<930	/U	<188	/U

Table C1.3
LEHR Environmental Restoration
Analytical Results For DPI Phase B

Pesticides by CLP

	Background Level	UNITS	LEHR-SS-DP-0174 I-23, IR, 0'		LEHR-SS-DP-0175 J-23, LR, 0'		LEHR-SS-DP-0176 J-23, R, 0'		LEHR-SS-DP-0177 J-23, RE.C, 0'		LEHR-SS-DP-0178 J-23, P, 0'		LEHR-SS-DP-0178DL1 J-23, P, 0'	
4,4'-DDD		UG/KG	<3.6	/U	5.6	J/P	0.89	J/JP	<3.5	/U	<3.5	/U	<35.1	/U
4,4'-DDE		UG/KG	3.2	J/JP	2.6	J/JP	1.3	J/J	1.7	J/JP	<3.5	/U	<35.1	/U
4,4'-DDT		UG/KG	5.2	Jc/	9.9	Jc/	4.6	Jc/	3.3	Jc/JP	<3.5	/U	<35.1	/U
ALDRIN		UG/KG	<1.8	/U	<1.9	/U	<1.9	/U	<1.8	/U	<1.8	/U	<17.6	/U
ALPHA-BHC		UG/KG	<1.8	/U	<1.9	/U	<1.9	/U	<1.8	/U	<1.8	/U	<17.6	/U
ALPHA-CHLORDANE		UG/KG	8.6		9.2		6.7		6.2		140	J/E	156	
BETA-BHC		UG/KG	<1.8	/U	<1.9	/U	<1.9	/U	<1.8	/U	<1.8	/U	<17.6	/U
DELTA-BHC		UG/KG	<1.8	/U	<1.9	/U	<1.9	/U	<1.8	/U	<1.8	/U	<17.6	/U
DIELDRIN		UG/KG	<3.6	/U	<3.7	/U	<3.7	/U	<3.5	/U	<3.5	/U	<35.1	/U
ENDOSULFAN I		UG/KG	<1.8	/U	<1.9	/U	<1.9	/U	<1.8	/U	<1.8	/U	<17.6	/U
ENDOSULFAN II		UG/KG	<3.6	/U	<3.7	/U	<3.7	/U	<3.5	/U	<3.5	/U	<35.1	/U
ENDOSULFAN SULFATE		UG/KG	<3.6	/U	<3.7	/U	<3.7	/U	<3.5	/U	<3.5	/U	<35.1	/U
ENDRIN		UG/KG	<3.6	/U	<3.7	/U	<3.7	/U	<3.5	/U	<3.5	/U	<35.1	/U
ENDRIN ALDEHYDE		UG/KG	<3.6	/U	<3.7	/U	<3.7	/U	<3.5	/U	<3.5	/U	<35.1	/U
ENDRIN KETONE		UG/KG	<3.6	/U	<3.7	/U	<3.7	/U	<3.5	/U	<3.5	/U	<35.1	/U
GAMMA-BHC		UG/KG	<1.8	/U	<1.9	/U	<1.9	/U	<1.8	/U	<1.8	/U	<17.6	/U
GAMMA-CHLORDANE		UG/KG	8.1		9		5.5		4.5		130	J/E	148	
HEPTACHLOR		UG/KG	<1.8	/U	<1.9	/U	<1.9	/U	<1.8	/U	<1.8	/U	<17.6	/U
HEPTACHLOR EPOXIDE		UG/KG	<1.8	/U	<1.9	/U	<1.9	/U	<1.8	/U	<1.8	/U	<17.6	/U
METHOXYCHLOR		UG/KG	<18	/U	<18.7	/U	<18.7	/U	<17.5	/U	<17.6	/U	<176	/U
PCB-1016		UG/KG	<36	/U	<37.4	/U	<37.4	/U	<35	/U	<35.1	/U	<351	/U
PCB-1221		UG/KG	<72	/U	<74.8	/U	<74.8	/U	<70	/U	<70.3	/U	<703	/U
PCB-1232		UG/KG	<36	/U	<37.4	/U	<37.4	/U	<35	/U	<35.1	/U	<351	/U
PCB-1242		UG/KG	<36	/U	<37.4	/U	<37.4	/U	<35	/U	<35.1	/U	<351	/U
PCB-1248		UG/KG	<36	/U	<37.4	/U	<37.4	/U	<35	/U	<35.1	/U	<351	/U
PCB-1254		UG/KG	<36	/U	<37.4	/U	<37.4	/U	<35	/U	<35.1	/U	<351	/U

Table C1.3
LEHR Environmental Restoration
Analytical Results For DPI Phase B

Pesticides by CLP

	Background Level	UNITS	LEHR-SS-DP-0174 I-23, IR, 0 '		LEHR-SS-DP-0175 J-23, LR, 0'		LEHR-SS-DP-0176 J-23, R, 0'		LEHR-SS-DP-0177 J-23, RE.C, 0'		LEHR-SS-DP-0178 J-23, P, 0'		LEHR-SS-DP-0178DL1 J-23, P, 0'	
PCB-1260		UG/KG	<36	/U	<37.4	/U	<37.4	/U	<35	/U	<35.1	/U	<351	/U
TOXAPHENE		UG/KG	<180	/U	<187	/U	<187	/U	<175	/U	<176	/U	<1,760	/U

Table C1.3
LEHR Environmental Restoration
Analytical Results For DPI Phase B

Pesticides by CLP

	Background Level	UNITS	LEHR-SS-DP-0179 J-24, LR, 0 '		LEHR-SS-DP-0179DL1 J-24, LR, 0'		LEHR-SS-DP-0180 J-24, LR (FD), 0'		LEHR-SS-DP-0181 J-24, RE.C, 0'		LEHR-SS-DP-0182 J-24, RR, 0'		LEHR-SS-DP-0182DL1 J-24, RR, 0'	
4,4'-DDD		UG/KG	<5.2	/U	<21	/U	<3.9	/U	<3.6	/U	<3.6	/U	<14.6	/U
4,4'-DDE		UG/KG	8.8	J/P	<21	/U	<3.9	/U	<3.6	/U	<3.6	/U	<14.6	/U
4,4'-DDT		UG/KG	7.2	Jc/	<21	/U	4.3	Jc/P	4.4	Jc/	<3.6	/U	<14.6	/U
ALDRIN		UG/KG	<2.6	/U	<10.5	/U	<1.9	/U	<1.8	/U	<1.8	/U	<7.3	/U
ALPHA-BHC		UG/KG	<2.6	/U	<10.5	/U	<1.9	/U	<1.8	/U	<1.8	/U	<7.3	/U
ALPHA-CHLORDANE		UG/KG	96.6	J/E	99.3		30		12.5		48.4	J/E	51.1	J/P
BETA-BHC		UG/KG	<2.6	/U	<10.5	/U	<1.9	/U	<1.8	/U	<1.8	/U	<7.3	/U
DELTA-BHC		UG/KG	<2.6	/U	<10.5	/U	<1.9	/U	<1.8	/U	<1.8	/U	<7.3	/U
DIELDRIN		UG/KG	<5.2	/U	<21	/U	<3.9	/U	<3.6	/U	<3.6	/U	<14.6	/U
ENDOSULFAN I		UG/KG	<2.6	/U	<10.5	/U	<1.9	/U	<1.8	/U	<1.8	/U	<7.3	/U
ENDOSULFAN II		UG/KG	<5.2	/U	<21	/U	<3.9	/U	<3.6	/U	<3.6	/U	<14.6	/U
ENDOSULFAN SULFATE		UG/KG	<5.2	/U	<21	/U	<3.9	/U	<3.6	/U	<3.6	/U	<14.6	/U
ENDRIN		UG/KG	<5.2	/U	<21	/U	<3.9	/U	<3.6	/U	<3.6	/U	<14.6	/U
ENDRIN ALDEHYDE		UG/KG	<5.2	/U	<21	/U	<3.9	/U	<3.6	/U	<3.6	/U	<14.6	/U
ENDRIN KETONE		UG/KG	<5.2	/U	<21	/U	<3.9	/U	<3.6	/U	<3.6	/U	<14.6	/U
GAMMA-BHC		UG/KG	<2.6	/U	<10.5	/U	<1.9	/U	<1.8	/U	<1.8	/U	<7.3	/U
GAMMA-CHLORDANE		UG/KG	74.4	J/E	78.1		27.1		10.1		42.4	J/E	44.5	J/P
HEPTACHLOR		UG/KG	<2.6	/U	<10.5	/U	<1.9	/U	<1.8	/U	<1.8	/U	<7.3	/U
HEPTACHLOR EPOXIDE		UG/KG	<2.6	/U	<10.5	/U	<1.9	/U	<1.8	/U	<1.8	/U	<7.3	/U
METHOXYCHLOR		UG/KG	<26.2	/U	<105	/U	<19.4	/U	<18.2	/U	<18.2	/U	<72.8	/U
PCB-1016		UG/KG	<52.4	/U	<210	/U	<38.9	/U	<36.3	/U	<36.4	/U	<146	/U
PCB-1221		UG/KG	<105	/U	<419	/U	<77.8	/U	<72.6	/U	<72.8	/U	<291	/U
PCB-1232		UG/KG	<52.4	/U	<210	/U	<38.9	/U	<36.3	/U	<36.4	/U	<146	/U
PCB-1242		UG/KG	<52.4	/U	<210	/U	<38.9	/U	<36.3	/U	<36.4	/U	<146	/U
PCB-1248		UG/KG	<52.4	/U	<210	/U	<38.9	/U	<36.3	/U	<36.4	/U	<146	/U
PCB-1254		UG/KG	<52.4	/U	<210	/U	<38.9	/U	<36.3	/U	<36.4	/U	<146	/U

Table C1.3
LEHR Environmental Restoration
Analytical Results For DPI Phase B

Pesticides by CLP

	Background Level	UNITS	LEHR-SS-DP-0179 J-24, LR, 0'		LEHR-SS-DP-0179DL1 J-24, LR, 0'		LEHR-SS-DP-0180 J-24, LR (FD), 0'		LEHR-SS-DP-0181 J-24, RE.C, 0'		LEHR-SS-DP-0182 J-24, RR, 0'		LEHR-SS-DP-0182DL1 J-24, RR, 0'	
PCB-1260		UG/KG	<52.4	/U	<210	/U	<38.9	/U	<36.3	/U	<36.4	/U	<146	/U
TOXAPHENE		UG/KG	<262	/U	<1,050	/U	<194	/U	<182	/U	<182	/U	<728	/U

Table C1.3
LEHR Environmental Restoration
Analytical Results For DPI Phase B

Pesticides by CLP

	Background Level	UNITS	LEHR-SS-DP-0183 J-24, P, 0 '		LEHR-SS-DP-0183DL1 J-24, P, 0'		LEHR-SS-DP-0184 D-20, LR (FD), 0'		LEHR-SS-DP-0185 D-30, RE.C (FD), 0'		LEHR-SS-DP-0186 H-32, RI.C (FD), 0'		LEHR-SS-DP-0187 A-20,RR, 0'	
4,4'-DDD		UG/KG	<3.4	/U	<34.4	/U	<3.8	/U	14.9	Jf/	<3.5	/U	<3.7	/U
4,4'-DDE		UG/KG	<3.4	/U	<34.4	/U	<3.8	/U	1.3	J/JP	1.3	J/JP	1.6	J/JP
4,4'-DDT		UG/KG	<3.4	/U	<34.4	/U	<3.8	/U	8.9	Jc/	2.8	Jc/JP	3.1	J/J
ALDRIN		UG/KG	<1.7	/U	<17.2	/U	<1.9	/U	<1.8	/U	<1.7	/U	<1.8	/U
ALPHA-BHC		UG/KG	<1.7	/U	<17.2	/U	<1.9	/U	<1.8	/U	<1.7	/U	<1.8	/U
ALPHA-CHLORDANE		UG/KG	153	J/E	148		16.9	Jf/	17.8		25.4		15.5	
BETA-BHC		UG/KG	<1.7	/U	<17.2	/U	<1.9	/U	<1.8	/U	<1.7	/U	<1.8	/U
DELTA-BHC		UG/KG	<1.7	/U	<17.2	/U	<1.9	/U	<1.8	/U	<1.7	/U	<1.8	/U
DIELDRIN		UG/KG	<3.4	/U	<34.4	/U	<3.8	/U	<3.6	/U	<3.5	/U	<3.7	/U
ENDOSULFAN I		UG/KG	<1.7	/U	<17.2	/U	<1.9	/U	<1.8	/U	<1.7	/U	<1.8	/U
ENDOSULFAN II		UG/KG	<3.4	/U	<34.4	/U	<3.8	/U	<3.6	/U	<3.5	/U	<3.7	/U
ENDOSULFAN SULFATE		UG/KG	<3.4	/U	<34.4	/U	<3.8	/U	<3.6	/U	<3.5	/U	<3.7	/U
ENDRIN		UG/KG	<3.4	/U	<34.4	/U	<3.8	/U	<3.6	/U	<3.5	/U	<3.7	/U
ENDRIN ALDEHYDE		UG/KG	<3.4	/U	<34.4	/U	<3.8	/U	<3.6	/U	<3.5	/U	<3.7	/U
ENDRIN KETONE		UG/KG	<3.4	/U	<34.4	/U	<3.8	/U	<3.6	/U	<3.5	/U	<3.7	/U
GAMMA-BHC		UG/KG	<1.7	/U	<17.2	/U	<1.9	/U	<1.8	/U	<1.7	/U	<1.8	/U
GAMMA-CHLORDANE		UG/KG	147	J/E	142	J/P	16.6	Jf/	14.2		25.2		13.5	
HEPTACHLOR		UG/KG	<1.7	/U	<17.2	/U	<1.9	/U	<1.8	/U	<1.7	/U	<1.8	/U
HEPTACHLOR EPOXIDE		UG/KG	<1.7	/U	<17.2	/U	<1.9	/U	<1.8	/U	<1.7	/U	<1.8	/U
METHOXYCHLOR		UG/KG	<17.2	/U	<172	/U	<18.8	/U	<17.8	/U	<17.4	/U	<18.3	/U
PCB-1016		UG/KG	<34.4	/U	<344	/U	<37.6	/U	<35.5	/U	<34.9	/U	<36.6	/U
PCB-1221		UG/KG	<68.8	/U	<688	/U	<75.2	/U	<71	/U	<69.8	/U	<73.3	/U
PCB-1232		UG/KG	<34.4	/U	<344	/U	<37.6	/U	<35.5	/U	<34.9	/U	<36.6	/U
PCB-1242		UG/KG	<34.4	/U	<344	/U	<37.6	/U	<35.5	/U	<34.9	/U	<36.6	/U
PCB-1248		UG/KG	<34.4	/U	<344	/U	<37.6	/U	<35.5	/U	<34.9	/U	<36.6	/U
PCB-1254		UG/KG	<34.4	/U	<344	/U	<37.6	/U	<35.5	/U	<34.9	/U	<36.6	/U

Table C1.3
LEHR Environmental Restoration
Analytical Results For DPI Phase B

Pesticides by CLP

	Background Level	UNITS	LEHR-SS-DP-0183 J-24, P, 0'		LEHR-SS-DP-0183DL1 J-24, P, 0'		LEHR-SS-DP-0184 D-20, LR (FD), 0'		LEHR-SS-DP-0185 D-30, RE.C (FD), 0'		LEHR-SS-DP-0186 H-32, RI.C (FD), 0'		LEHR-SS-DP-0187 A-20,RR, 0'	
PCB-1260		UG/KG	<34.4	/U	<344	/U	<37.6	/U	<35.5	/U	<34.9	/U	<36.6	/U
TOXAPHENE		UG/KG	<172	/U	<1,720	/U	<188	/U	<178	/U	<174	/U	<183	/U

Table C1.3
LEHR Environmental Restoration
Analytical Results For DPI Phase B

Pesticides by CLP

	Background Level	UNITS	LEHR-SS-DP-0188 A-20,RR, 1.2 '		LEHR-SS-DP-0188DL1 A-20,RR, 1.2'		LEHR-SS-DP-0189 A-20,RR, 1.5'		LEHR-SS-DP-0190 east of D-17, 0'		LEHR-SS-DP-0191 east of D-17, 0'	
4,4'-DDD		UG/KG	<3.5	/U	<7	/U	<4.4	/U	2	J/JP	0.93	J/JP
4,4'-DDE		UG/KG	2.8	J/JP	3.1	J/JP	<4.4	/U	<3.8	/U	<3.7	/U
4,4'-DDT		UG/KG	3.5	Jc/	<7	/U	1.7	Jc/J	<3.8	/U	<3.7	/U
ALDRIN		UG/KG	<1.7	/U	<3.5	/U	<2.2	/U	<1.9	/U	<1.8	/U
ALPHA-BHC		UG/KG	<1.7	/U	<3.5	/U	<2.2	/U	<1.9	/U	<1.8	/U
ALPHA-CHLORDANE		UG/KG	43.4	J/E	45.1		1.5	J/J	6.7		2.9	
BETA-BHC		UG/KG	<1.7	/U	<3.5	/U	<2.2	/U	<1.9	/U	<1.8	/U
DELTA-BHC		UG/KG	<1.7	/U	<3.5	/U	<2.2	/U	<1.9	/U	<1.8	/U
DIELDRIN		UG/KG	<3.5	/U	<7	/U	<4.4	/U	<3.8	/U	<3.7	/U
ENDOSULFAN I		UG/KG	<1.7	/U	<3.5	/U	<2.2	/U	<1.9	/U	<1.8	/U
ENDOSULFAN II		UG/KG	<3.5	/U	<7	/U	<4.4	/U	<3.8	/U	<3.7	/U
ENDOSULFAN SULFATE		UG/KG	<3.5	/U	<7	/U	<4.4	/U	<3.8	/U	<3.7	/U
ENDRIN		UG/KG	<3.5	/U	<7	/U	<4.4	/U	<3.8	/U	<3.7	/U
ENDRIN ALDEHYDE		UG/KG	<3.5	/U	<7	/U	<4.4	/U	<3.8	/U	<3.7	/U
ENDRIN KETONE		UG/KG	<3.5	/U	<7	/U	<4.4	/U	<3.8	/U	<3.7	/U
GAMMA-BHC		UG/KG	<1.7	/U	<3.5	/U	<2.2	/U	<1.9	/U	<1.8	/U
GAMMA-CHLORDANE		UG/KG	40	J/E	40.9	J/P	1.8	J/J	5.3		3.8	
HEPTACHLOR		UG/KG	3.7		<3.5	/U	<2.2	/U	<1.9	/U	<1.8	/U
HEPTACHLOR EPOXIDE		UG/KG	<1.7	/U	<3.5	/U	<2.2	/U	<1.9	/U	<1.8	/U
METHOXYCHLOR		UG/KG	<17.5	/U	<35	/U	<22.2	/U	<19.1	/U	<18.4	/U
PCB-1016		UG/KG	<35	/U	<69.9	/U	<44.4	/U	<38.2	/U	<36.7	/U
PCB-1221		UG/KG	<69.9	/U	<140	/U	<88.9	/U	<76.4	/U	<73.4	/U
PCB-1232		UG/KG	<35	/U	<69.9	/U	<44.4	/U	<38.2	/U	<36.7	/U
PCB-1242		UG/KG	<35	/U	<69.9	/U	<44.4	/U	<38.2	/U	<36.7	/U
PCB-1248		UG/KG	<35	/U	<69.9	/U	<44.4	/U	<38.2	/U	<36.7	/U
PCB-1254		UG/KG	<35	/U	<69.9	/U	<44.4	/U	<38.2	/U	<36.7	/U

Table C1.3
LEHR Environmental Restoration
Analytical Results For DPI Phase B

Pesticides by CLP

	Background Level	UNITS	LEHR-SS-DP-0188 A-20,RR, 1.2 '		LEHR-SS-DP-0188DL1 A-20,RR, 1.2'		LEHR-SS-DP-0189 A-20,RR, 1.5'		LEHR-SS-DP-0190 east of D-17, 0'		LEHR-SS-DP-0191 east of D-17, 0'	
PCB-1260		UG/KG	<35	/U	<69.9	/U	<44.4	/U	<38.2	/U	<36.7	/U
TOXAPHENE		UG/KG	<175	/U	<350	/U	<222	/U	<191	/U	<184	/U

Table C1.3
LEHR Environmental Restoration
Analytical Results For DPI Phase B

Table Specifiers:

The following descriptions provide a brief explanation of codes used in association with the sample ids.

WS= Ground water sample
FD= Field Duplicate
= Shading indicates that the measured concentration is above background

Data Validation Qualifier Definitions:

The following definitions provide brief explanations of the data validation qualifiers assigned to results in the data review process.

U = The analyte was analyzed for, but was not detected above the reported sample quantitation limit.
J = The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.
N = The analysis indicates the presence of an analyte for which there is presumptive evidence to make a "tentative identification".
NJ = The analysis indicates the presence of an analyte that has been "tentatively identified" and the associated numerical value represents its approximate concentration.
UJ = The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.
R = The sample results are rejected due to serious deficiencies in the ability to analyze the sample and meet quality control criteria. The presence or absence of the analyte cannot be verified.

Data Validation Reason Code Definitions:

The following descriptions provide brief explanation of the cause for qualification of the results determined in the data review process. These reason codes are used in combination with data qualifier, i.e. "Uz" indicated the analyte is non-detect due to method blank contamination.

c = Calibration failure; poor or unstable response.
d = Matrix duplicate imprecision or matrix spike/matrix spike duplicate imprecision.
f = Field replicate or duplicate imprecision.
h = Holding time violation.
i = Internal standard failure.
l = Laboratory control sample (LCS) recovery failure.
m = Matrix spike/matrix spike duplicate (MS/MSD) recovery failure.
s = Surrogate spike recovery failure.
z = Method blank contamination.
/ = Validation Qualifier / Lab Qualifier.
B = Analyte was detected in the associated method blank.
E = Concentration exceeds calibration range.
P = Concentrations between the two GC columns are greater than 25% difference.
N= Spiked sample recovery not within control limits.
* = Duplicate analysis not within control limit.

Table C1.4
LEHR Environmental Restoration
Analytical Results For DPI Phase B

RADs

Lab_chem	Background Levels	Units	LEHR-SS-DP-0071 C-32, 0 '				LEHR-SS-DP-0072 C-32, 0 '				LEHR-SS-DP-0073 C-32, 0 '				LEHR-SS-DP-0074 D-20, 0 '			
			Value		Uncert	MDA	Value		Uncert	MDA	Value		Uncert	MDA	Value		Uncert	MDA
ACTINIUM-228	0.64	PCI/G	0.363	/J	0.102	0.053	0.274	/J	0.0944	0.0474	0.34	/J	0.0853	0.0514	0.257	/J	0.0679	0.0397
BISMUTH-212	0.43	PCI/G	0.217	/J	0.14	0.13	0.209	/J	0.0973	0.114	0.302	/J	0.114	0.108	0.136	/J	0.0985	0.0882
BISMUTH-214	0.54	PCI/G	0.389		0.0774	0.0314	0.338		0.058	0.0265	0.408		0.0661	0.0262	0.238		0.0422	0.023
CARBON-14	0.13	PCI/G	0.552	/U	0.62	1.04	0.276	/U	0.583	0.993	0.8	/U	0.593	0.978	0.374	/U	0.57	0.965
CESIUM-137	0.012	PCI/G	0.0202	/J	0.0117	0.015	0.0021	/U	0.0086	0.0146	0.0115	/U	0.0102	0.0138	0.001	/U	0.0065	0.0113
COBALT-60	0.006	PCI/G	0.0001	/U	0.0104	0.0153	0.0041	/U	0.0084	0.015	-0.0017	/U	0.009	0.0156	-0.0016	/U	0.0086	0.0124
GROSS ALPHA	8.7	PCI/G	5.23		2.25	2.81	3.56	/U	2.53	4.57	3.4	/U	2.21	3.65	1.8	/U	1.94	3.52
LEAD-210	1.6	PCI/G	0.872	/J	0.313	0.197	0.602	/U	1.32	1.42	0.825	/U	0.943	1.48	0.718	/J	0.773	0.567
LEAD-212	0.7	PCI/G	0.428		0.069	0.0248	0.325		0.0465	0.0229	0.378		0.0527	0.0219	0.27		0.0381	0.0182
LEAD-214	0.58	PCI/G	0.461		0.0705	0.031	0.341		0.0584	0.028	0.44		0.0675	0.0271	0.301		0.0501	0.0212
NONVOLATILE BETA	15	PCI/G	7.57		2.49	4.35	5.03		2.5	4.82	6.88		2.57	4.77	3.48	/U	2.29	4.56
POTASSIUM-40	14	PCI/G	6.1		0.894	0.141	3.8		0.496	0.132	4.84		0.587	0.147	4.38		0.532	0.104
RADIUM-226	0.75	PCI/G	0.901		0.393	0.302	1.94		0.579	0.122	0.285	/U	0.288	0.439	0.573		0.321	0.301
STRONTIUM-90	0.056	PCI/G	-0.107	/U	0.269	0.556	3.59		0.376	0.453	0.964	/J	0.312	0.54	0.263	/U	0.336	0.653
THALLIUM-208	0.22	PCI/G	0.124	/J	0.0304	0.0165	0.103	/J	0.0233	0.0149	0.106	/J	0.0241	0.0138	0.072	/J	0.0187	0.011
THORIUM-234	0.78	PCI/G	0.593	/J	0.304	0.212	0.584	/J	0.53	0.432	0.444	/J	0.509	0.437	0.544	/J	0.419	0.279
URANIUM-235	0.039	PCI/G	0.0793	/U	0.0667	0.0901	0.0487	/U	0.0504	0.0851	0.046	/U	0.0461	0.0809	0.0701	/U	0.0426	0.0731
URANIUM-238	0.65	PCI/G	0.593		0.304	0.212	0.584		0.53	0.432	0.444	/J	0.509	0.437	0.544		0.419	0.279
WEIGHT OF SAMPLE. A		MG	25.3		NA	0.0	25		NA	0.0	26.6		NA	0.0	32.4		NA	0.0
WEIGHT OF SAMPLE. SR		MG	32.4		NA	0.0	31.9		NA	0.0	32.3		NA	0.0	31.5		NA	0.0

Table C1.4
LEHR Environmental Restoration
Analytical Results For DPI Phase B

RADs

Lab_chem	Background Levels	Units	LEHR-SS-DP-0075 D-20, 0'				LEHR-SS-DP-0076 D-20, 0'				LEHR-SS-DP-0077 D-25, 0'				LEHR-SS-DP-0078 D-25, 0'			
			Value		Uncert	MDA	Value		Uncert	MDA	Value		Uncert	MDA	Value		Uncert	MDA
ACTINIUM-228	0.64	PCI/G	0.347	/J	0.0989	0.0575	0.179	/J	0.0759	0.0512	0.296	/J	0.0771	0.0526	0.312	/J	0.0893	0.0466
BISMUTH-212	0.43	PCI/G	0.256	/J	0.163	0.118	0.327	/J	0.128	0.112	0.312	/J	0.107	0.101	0.329	/J	0.11	0.105
BISMUTH-214	0.54	PCI/G	0.34		0.0608	0.0298	0.203		0.0535	0.0297	0.299		0.0544	0.0281	0.313		0.0534	0.0262
CARBON-14	0.13	PCI/G	0.252	/U	0.556	0.949	0.0444	/U	0.554	0.957	0.93	/U	0.815	1.36	-0.0192	/U	0.556	0.965
CESIUM-137	0.012	PCI/G	0.0186	/J	0.0119	0.0162	0.0132	/U	0.0172	0.014	0.0016	/U	0.0079	0.0139	0.0019	/U	0.0083	0.0144
COBALT-60	0.006	PCI/G	0.0053	/U	0.0095	0.0176	-0.0024	/U	0.0096	0.0161	0.0004	/U	0.008	0.0143	0.0048	/U	0.0084	0.0152
GROSS ALPHA	8.7	PCI/G	4.62	/J	2.02	2.2	5.96		2.6	3.48	4.1	/J	2.17	3.09	5.62		2.37	2.63
LEAD-210	1.6	PCI/G	1.08	/U	1.89	1.73	0.147	/U	1.47	1.4	0.878	/U	1.45	1.37	1.53	/J	1.24	1.35
LEAD-212	0.7	PCI/G	0.365		0.0533	0.0215	0.239		0.0402	0.0222	0.398		0.0566	0.0214	0.379		0.0506	0.0203
LEAD-214	0.58	PCI/G	0.318		0.0561	0.0288	0.259		0.0554	0.0263	0.36		0.0613	0.0261	0.341		0.0572	0.0249
NONVOLATILE BETA	15	PCI/G	7.72		2.39	4.08	6.58		2.47	4.46	5.26		2.32	4.32	8.25		2.59	4.49
POTASSIUM-40	14	PCI/G	5.6		0.67	0.149	3.88		0.497	0.137	5.9		0.679	0.14	6.15		0.709	0.143
RADIUM-226	0.75	PCI/G	1		0.443	0.405	0.724		0.383	0.396	0.741		0.378	0.383	0.701		0.352	0.304
STRONTIUM-90	0.056	PCI/G	0.286	/U	0.216	0.408	0.0637	/U	0.347	0.699	0.213	/U	0.27	0.525	0.114	/U	0.248	0.49
THALLIUM-208	0.22	PCI/G	0.124	/J	0.0266	0.017	0.0783	/J	0.0223	0.0149	0.142	/J	0.0262	0.0134	0.122	/J	0.0232	0.0135
THORIUM-234	0.78	PCI/G	0.358	/U	0.495	0.501	0.332	/U	0.584	0.452	0.677	/J	0.509	0.423	0.279	/U	0.438	0.424
URANIUM-235	0.039	PCI/G	0.0263	/U	0.0514	0.0783	0.0592	/U	0.0503	0.0839	0.0761	/U	0.0679	0.0766	0.0339	/U	0.0423	0.0749
URANIUM-238	0.65	PCI/G	0.358	/U	0.495	0.501	0.332	/U	0.584	0.452	0.677		0.509	0.423	0.279	/U	0.438	0.424
WEIGHT OF SAMPLE. A		MG	22.1		NA	0.0	24.8		NA	0.0	23.4		NA	0.0	23.3		NA	0.0
WEIGHT OF SAMPLE. SR		MG	32.5		NA	0.0	31.3		NA	0.0	31.1		NA	0.0	31.8		NA	0.0

Table C1.4
LEHR Environmental Restoration
Analytical Results For DPI Phase B

RADs

Lab_chem	Background Levels	Units	LEHR-SS-DP-0079 D-25, 0 '				LEHR-SS-DP-0080 D-30, 0 '				LEHR-SS-DP-0081 D-30 (FD), 0 '				LEHR-SS-DP-0082 D-30, 0 '			
			Value		Uncert	MDA	Value		Uncert	MDA	Value		Uncert	MDA	Value		Uncert	MDA
ACTINIUM-228	0.64	PCI/G	0.384	/J	0.0855	0.0544	0.262	/J	0.0735	0.0432	0.264	/J	0.0698	0.046	0.266	/J	0.0735	0.0419
BISMUTH-212	0.43	PCI/G	0.219	/J	0.117	0.112	0.173	/J	0.0748	0.0972	0.247	/J	0.128	0.101	0.249	/J	0.0901	0.0903
BISMUTH-214	0.54	PCI/G	0.345		0.0612	0.0272	0.243		0.0486	0.0237	0.253		0.0489	0.0245	0.249		0.0455	0.0216
CARBON-14	0.13	PCI/G	0.203	/U	0.535	0.914	0.0336	/U	0.599	1.04	0.392	/U	0.597	1.01	0.191	/U	0.56	0.96
CESIUM-137	0.012	PCI/G	0.0182	/J	0.0193	0.0144	0.0034	/U	0.007	0.0125	0.0	/U	0.0073	0.0128	0.0004	/U	0.0065	0.0117
COBALT-60	0.006	PCI/G	0.0105	/U	0.0135	0.0164	-0.0038	/U	0.0073	0.0122	0.0071	/U	0.0066	0.0144	0.007	/U	0.0069	0.0132
GROSS ALPHA	8.7	PCI/G	3.88	/J	2.04	2.69	2.54	/U	2.06	3.68	3.91	/J	1.35	1.88	6.34		2.36	2.5
LEAD-210	1.6	PCI/G	0.359	/U	0.961	1.5	1.6	/J	1.46	1.02	0.0572	/U	1.54	1.21	0.543	/U	1.68	1.6
LEAD-212	0.7	PCI/G	0.368		0.0503	0.0209	0.282		0.0454	0.0193	0.33		0.044	0.0197	0.286		0.0422	0.0177
LEAD-214	0.58	PCI/G	0.407		0.0658	0.0258	0.277		0.0506	0.0224	0.285		0.0553	0.0251	0.291		0.0503	0.0215
NONVOLATILE BETA	15	PCI/G	4.99	/J	2.37	4.45	4.24	/U	2.45	4.8	5.57		1.41	2.16	6.94		2.4	4.22
POTASSIUM-40	14	PCI/G	6.48		0.769	0.135	4.3		0.511	0.124	4.82		0.584	0.124	4.45		0.52	0.104
RADIUM-226	0.75	PCI/G	0.585		0.327	0.308	0.379	/U	0.32	0.454	0.548		0.326	0.364	1.26		0.475	0.126
STRONTIUM-90	0.056	PCI/G	0.0826	/U	0.299	0.598	0.347	/U	0.358	0.538	0.107	/U	0.312	0.475	-0.202	/U	0.287	0.604
THALLIUM-208	0.22	PCI/G	0.11	/J	0.0254	0.0142	0.0807	/J	0.0206	0.0127	0.0686	/J	0.0194	0.0136	0.0901	/J	0.0186	0.0119
THORIUM-234	0.78	PCI/G	0.654	/J	0.496	0.407	0.227	/U	0.376	0.36	0.102	/U	0.443	0.378	0.522	/J	0.561	0.402
URANIUM-235	0.039	PCI/G	0.0684	/U	0.0612	0.0783	0.0565	/U	0.0754	0.0694	0.0321	/U	0.057	0.0724	0.0246	/U	0.0652	0.0645
URANIUM-238	0.65	PCI/G	0.654		0.496	0.407	0.227	/U	0.376	0.36	0.102	/U	0.443	0.378	0.522		0.561	0.402
WEIGHT OF SAMPLE. A		MG	19.6		NA	0.0	20		NA	0.0	24.7		NA	0.0	19.7		NA	0.0
WEIGHT OF SAMPLE. SR		MG	32		NA	0.0	32.6		NA	0.0	31.1		NA	0.0	31.6		NA	0.0

Table C1.4
LEHR Environmental Restoration
Analytical Results For DPI Phase B

RADs

Lab_chem	Background Levels	Units	LEHR-SS-DP-0083 D-30, 0'				LEHR-SS-DP-0084 D-30, 0'				LEHR-SS-DP-0085 E-7, 0'				LEHR-SS-DP-0086 E-7, 0'			
			Value		Uncert	MDA	Value		Uncert	MDA	Value		Uncert	MDA	Value		Uncert	MDA
ACTINIUM-228	0.64	PCI/G	0.392	/J	0.0912	0.0478	0.277	/J	0.0596	0.0311	0.279	/J	0.0962	0.0565	0.346	/J	0.0921	0.0628
BISMUTH-212	0.43	PCI/G	0.198	/J	0.113	0.112	0.18	/J	0.0874	0.0701	0.146	/J	0.111	0.132	0.224	/J	0.139	0.142
BISMUTH-214	0.54	PCI/G	0.317		0.0563	0.0276	0.214		0.0385	0.0183	0.274		0.0532	0.0319	0.246		0.066	0.0374
CARBON-14	0.13	PCI/G	-0.154	/U	1.05	1.83	-0.0331	/U	0.574	0.998	-0.118	/U	0.568	0.992	0.286	/U	0.582	0.99
CESIUM-137	0.012	PCI/G	0.0143	/J	0.0117	0.0143	0.002	/U	0.0061	0.0093	0.0133	/U	0.0104	0.0195	0.0131	/U	0.0128	0.018
COBALT-60	0.006	PCI/G	-0.0043	/U	0.0093	0.0161	0.0	/U	0.0262	0.0098	0.0031	/U	0.0101	0.0188	0.0005	/U	0.0111	0.0198
GROSS ALPHA	8.7	PCI/G	4.64	/J	2.59	4.24	3.93	/J	1.98	2.85	1.45	/U	1.4	2.56	3.6	/J	2.07	3.08
LEAD-210	1.6	PCI/G	0.0	/U	1.02	1.77	0.378	/U	0.618	0.481	0.638	/U	1.34	2.19	0.983	/J	1.43	0.939
LEAD-212	0.7	PCI/G	0.309		0.0465	0.0205	0.296		0.0391	0.015	0.302		0.0449	0.0226	0.278		0.0471	0.0296
LEAD-214	0.58	PCI/G	0.309		0.0539	0.0265	0.289		0.0442	0.0172	0.308		0.0578	0.0276	0.275		0.0565	0.0367
NONVOLATILE BETA	15	PCI/G	7.48		2.58	4.59	6.96		2.59	4.73	3.59	/U	2.12	4.12	2.94	/U	2.24	4.53
POTASSIUM-40	14	PCI/G	4.95		0.602	0.143	4.56		0.546	0.0905	4.7		0.609	0.179	4.49		0.654	0.184
RADIUM-226	0.75	PCI/G	0.638		0.331	0.294	0.546		0.359	0.453	0.377	/J	0.277	0.351	0.711		0.32	0.101
STRONTIUM-90	0.056	PCI/G	0.0146	/U	0.385	0.778	-0.0124	/U	0.234	0.478	0.0678	/U	0.305	0.612	-0.438	/U	0.465	0.732
THALLIUM-208	0.22	PCI/G	0.0939	/J	0.0231	0.0142	0.0921	/J	0.0187	0.0089	0.0923	/J	0.0243	0.0166	0.0814	/J	0.0254	0.0197
THORIUM-234	0.78	PCI/G	0.448	/J	0.516	0.445	0.457	/J	0.364	0.238	0.649	/J	0.645	0.528	0.0583	/U	0.455	0.47
URANIUM-235	0.039	PCI/G	0.0334	/U	0.0422	0.0726	0.0578	/U	0.0348	0.0598	0.0742	/U	0.0595	0.0749	0.0996	/U	0.0642	0.118
URANIUM-238	0.65	PCI/G	0.448	/J	0.516	0.445	0.457	/J	0.364	0.238	0.649		0.645	0.528	0.0583	/U	0.455	0.47
WEIGHT OF SAMPLE, A		MG	27		NA	0.0	18.3		NA	0.0	17.9		NA	0.0	21.4		NA	0.0
WEIGHT OF SAMPLE, SR		MG	29.5		NA	0.0	31.6		NA	0.0	30.8		NA	0.0	30.9		NA	0.0

Table C1.4
LEHR Environmental Restoration
Analytical Results For DPI Phase B

RADs

Lab_chem	Background Levels	Units	LEHR-SS-DP-0087 E-7, 0 '				LEHR-SS-DP-0088 E-7, 0 '				LEHR-SS-DP-0089 G-32, 0 '				LEHR-SS-DP-0090 G-32, 0 '			
			Value		Uncert	MDA	Value		Uncert	MDA	Value		Uncert	MDA	Value		Uncert	MDA
ACTINIUM-228	0.64	PCI/G	0.339	/J	0.0867	0.0485	0.32	/J	0.076	0.0447	0.235	/J	0.0867	0.045	0.264	/J	0.0753	0.0412
BISMUTH-212	0.43	PCI/G	0.321	/J	0.127	0.116	0.313	/J	0.118	0.0927	0.307	/J	0.092	0.105	0.243	/J	0.113	0.0924
BISMUTH-214	0.54	PCI/G	0.271		0.0542	0.026	0.271		0.052	0.0241	0.25		0.0448	0.0255	0.275		0.0483	0.0225
CARBON-14	0.13	PCI/G	0.362	/U	0.602	1.02	0.9	/U	0.635	1.05	0.136	/U	0.596	1.03	0.143	/U	0.572	0.982
CESIUM-137	0.012	PCI/G	0.0096	/U	0.0082	0.0154	0.009	/U	0.007	0.0129	-0.0044	/U	0.0082	0.0135	0.0051	/U	0.007	0.0127
COBALT-60	0.006	PCI/G	0.0063	/U	0.0093	0.0175	0.0038	/U	0.008	0.0147	-0.0002	/U	0.0082	0.0142	-0.0024	/U	0.0085	0.0128
GROSS ALPHA	8.7	PCI/G	5.77		2.32	2.37	2.33	/U	1.96	3.41	3.86	/J	2.13	3.08	3.31	/J	1.92	2.58
LEAD-210	1.6	PCI/G	0.967	/U	0.946	1.55	1.57	/U	2	1.68	0.962	/U	0.854	1.4	1.02	/U	1.26	1.19
LEAD-212	0.7	PCI/G	0.347		0.0475	0.0223	0.263		0.0433	0.0269	0.303		0.0429	0.0207	0.32		0.0445	0.0187
LEAD-214	0.58	PCI/G	0.316		0.0552	0.0287	0.249		0.0499	0.025	0.251		0.047	0.0266	0.299		0.0493	0.0223
NONVOLATILE BETA	15	PCI/G	7.87		2.45	4.2	6.47		2.42	4.38	6.97		2.44	4.32	8.6		2.61	4.49
POTASSIUM-40	14	PCI/G	5.52		0.678	0.159	5.03		0.586	0.128	4.48		0.543	0.113	5.53		0.631	0.113
RADIUM-226	0.75	PCI/G	0.531		0.349	0.44	0.627		0.343	0.364	0.941		0.392	0.289	0.525		0.294	0.276
STRONTIUM-90	0.056	PCI/G	-0.384	/U	0.462	0.728	0.685	/U	0.603	0.902	0.502	/U	0.424	0.634	2.77		0.369	0.489
THALLIUM-208	0.22	PCI/G	0.1	/J	0.024	0.0164	0.0961	/J	0.022	0.0126	0.0954	/J	0.0224	0.0135	0.0984	/J	0.0197	0.0117
THORIUM-234	0.78	PCI/G	0.152	/U	0.554	0.464	0.299	/U	0.591	0.448	0.218	/U	0.504	0.424	0.326	/U	0.477	0.372
URANIUM-235	0.039	PCI/G	0.0316	/U	0.0447	0.0813	0.0	/U	0.0398	0.0705	0.015	/U	0.0895	0.08	0.0219	/U	0.0377	0.0687
URANIUM-238	0.65	PCI/G	0.152	/U	0.554	0.464	0.299	/U	0.591	0.448	0.218	/U	0.504	0.424	0.326	/U	0.477	0.372
WEIGHT OF SAMPLE. A		MG	25.5		NA	0.0	24.6		NA	0.0	23.3		NA	0.0	21.9		NA	0.0
WEIGHT OF SAMPLE. SR		MG	31.2		NA	0.0	30.4		NA	0.0	30.8		NA	0.0	33.3		NA	0.0

Table C1.4
LEHR Environmental Restoration
Analytical Results For DPI Phase B

RADs

Lab_chem	Background Levels	Units	LEHR-SS-DP-0091 G-32, 0 '				LEHR-SS-DP-0092 G-32 (FD), 0 '				LEHR-SS-DP-0093 G-32, 0 '				LEHR-SS-DP-0094 H-30, 0 '			
			Value		Uncert	MDA	Value		Uncert	MDA	Value		Uncert	MDA	Value		Uncert	MDA
ACTINIUM-228	0.64	PCI/G	0.364	/J	0.108	0.0786	0.381	/J	0.113	0.0645	0.31	/J	0.0917	0.0612	0.403	/J	0.149	0.0853
BISMUTH-212	0.43	PCI/G	0.393	/J	0.197	0.167	0.264	/J	0.148	0.145	0.238	/J	0.149	0.16	0.346	/J	0.217	0.201
BISMUTH-214	0.54	PCI/G	0.322		0.0661	0.0387	0.277		0.066	0.0374	0.339		0.0684	0.0344	0.385		0.0842	0.0505
CARBON-14	0.13	PCI/G	0.385	/U	0.766	1.32	0.0	/U	0.61	1.06	0.0	/U	0.652	1.14	0.0	/U	0.583	1.01
CESIUM-137	0.012	PCI/G	0.0034	/U	0.0125	0.0217	0.0007	/U	0.0111	0.0198	0.0106	/U	0.0102	0.0196	-0.0025	/U	0.0153	0.0264
COBALT-60	0.006	PCI/G	0.0019	/U	0.0129	0.0229	0.0025	/U	0.0096	0.0182	0.0049	/U	0.0118	0.0224	0.0016	/U	0.0148	0.0264
GROSS ALPHA	8.7	PCI/G	2.71	/J	1.69	2.48	8.28		3.03	4.14	3.68	/J	1.98	2.94	4.02	/J	2.02	2.76
LEAD-210	1.6	PCI/G	2.24	/J	2.18	2.1	0.897	/U	1.95	1.79	1.28	/U	1.66	2.75	0.916	/U	0.884	1.45
LEAD-212	0.7	PCI/G	0.449		0.0653	0.0353	0.381		0.0575	0.0279	0.326		0.0521	0.0287	0.371		0.0677	0.0373
LEAD-214	0.58	PCI/G	0.339		0.0668	0.0417	0.327		0.0591	0.0354	0.3		0.0662	0.0368	0.4		0.0827	0.0466
NONVOLATILE BETA	15	PCI/G	6.88		2.37	4.17	6.35		2.54	4.67	6.93		2.56	4.65	4.27	/U	2.3	4.41
POTASSIUM-40	14	PCI/G	5.29		0.691	0.193	4.15		0.58	0.193	5.04		0.652	0.167	4.21		0.674	0.216
RADIUM-226	0.75	PCI/G	1.09		0.435	0.309	0.582		0.362	0.416	0.676		0.389	0.456	0.816		0.392	0.38
STRONTIUM-90	0.056	PCI/G	-0.159	/U	0.249	0.59	0.118	/U	0.28	0.604	-0.0007	/U	0.216	0.483	-0.0533	/U	0.308	0.703
THALLIUM-208	0.22	PCI/G	0.12	/J	0.0324	0.0207	0.0957	/J	0.0269	0.0219	0.098	/J	0.0271	0.0199	0.112	/J	0.039	0.0286
THORIUM-234	0.78	PCI/G	0.311	/U	0.774	0.682	0.48	/U	0.341	0.635	0.604	/U	0.744	0.664	0.484	/U	0.843	0.698
URANIUM-235	0.039	PCI/G	0.0572	/U	0.074	0.127	0.0449	/U	0.0589	0.108	0.0686	/U	0.0556	0.103	0.11	/U	0.083	0.145
URANIUM-238	0.65	PCI/G	0.311	/U	0.774	0.682	0.48	/U	0.341	0.635	0.604	/U	0.744	0.664	0.484	/U	0.843	0.698
WEIGHT OF SAMPLE. A		MG	19.6		NA	0.0	23.6		NA	0.0	22.1		NA	0.0	18.5		NA	0.0
WEIGHT OF SAMPLE. SR		MG	6.5		NA	0.0	6		NA	0.0	8.6		NA	0.0	4.4		NA	0.0

Table C1.4
LEHR Environmental Restoration
Analytical Results For DPI Phase B

RADs

Lab_chem	Background Levels	Units	LEHR-SS-DP-0095 H-30, 0'				LEHR-SS-DP-0096 H-30, 0'				LEHR-SS-DP-0097 H-32, 0'				LEHR-SS-DP-0098 H-32, 0'			
			Value		Uncert	MDA	Value		Uncert	MDA	Value		Uncert	MDA	Value		Uncert	MDA
ACTINIUM-228	0.64	PCI/G	0.301	/J	0.0891	0.0573	0.314	/J	0.0869	0.0571	0.398	/J	0.109	0.0755	0.494	/J	0.121	0.073
BISMUTH-212	0.43	PCI/G	0.28	/J	0.166	0.134	0.272	/J	0.133	0.144	0.421	/J	0.182	0.17	0.269	/J	0.185	0.159
BISMUTH-214	0.54	PCI/G	0.335		0.0588	0.0291	0.251		0.0646	0.0339	[redacted]		0.0874	0.0399	0.479		0.0827	0.0424
CARBON-14	0.13	PCI/G	0.0432	/U	0.572	0.989	0.42	/U	0.715	1.22	-0.309	/U	0.598	1.06	-0.256	/U	0.646	1.14
CESIUM-137	0.012	PCI/G	0.0026	/U	0.0108	0.0176	-0.0001	/U	0.0101	0.0183	0.0072	/U	0.0122	0.0185	0.0094	/U	0.0172	0.0201
COBALT-60	0.006	PCI/G	-0.0028	/U	0.0103	0.0185	0.0018	/U	0.0103	0.0194	0.011	/U	0.0243	0.0234	-0.006	/U	0.0121	0.0202
GROSS ALPHA	8.7	PCI/G	3.09	/J	1.85	2.88	2.05	/U	1.95	3.69	[redacted]		3.38	4.31	4.81	/J	2.2	2.83
LEAD-210	1.6	PCI/G	0.303	/U	1.24	2.13	1.56	/U	1.26	2.12	1.58	/U	2.47	2.09	-0.147	/U	1.3	2.12
LEAD-212	0.7	PCI/G	0.378		0.0503	0.0228	0.371		0.0542	0.0267	0.474		0.0655	0.034	0.499		0.0703	0.0359
LEAD-214	0.58	PCI/G	0.429		0.0732	0.0277	0.296		0.0613	0.033	[redacted]		0.107	0.0393	[redacted]		0.0987	0.0379
NONVOLATILE BETA	15	PCI/G	9.3		2.42	3.9	4.71	/J	2.38	4.57	11.6		2.56	3.86	6.36		2.18	3.74
POTASSIUM-40	14	PCI/G	8.63		0.986	0.17	6		0.781	0.188	9.25		1.12	0.233	8.22		0.958	0.178
RADIUM-226	0.75	PCI/G	0.624		0.336	0.307	[redacted]		0.472	0.39	0.337	/U	0.286	0.391	[redacted]		0.41	0.302
STRONTIUM-90	0.056	PCI/G	-0.0124	/U	0.308	0.692	0.0804	/U	0.286	0.624	-0.0719	/U	0.258	0.587	0.0827	/U	0.207	0.447
THALLIUM-208	0.22	PCI/G	0.109	/J	0.0245	0.0164	0.0973	/J	0.0239	0.0187	0.161	/J	0.0344	0.0214	0.141	/J	0.0353	0.0209
THORIUM-234	0.78	PCI/G	0.488	/U	0.622	0.502	0.347	/U	0.629	0.565	0.623	/U	0.651	0.661	[redacted]	/J	0.738	0.654
URANIUM-235	0.039	PCI/G	0.0229	/U	0.044	0.076	0.0722	/U	0.122	0.092	0.0914	/U	0.0688	0.124	0.116	/U	0.0731	0.127
URANIUM-238	0.65	PCI/G	0.488	/U	0.622	0.502	0.347	/U	0.629	0.565	0.623	/U	0.651	0.661	[redacted]		0.738	0.654
WEIGHT OF SAMPLE, A		MG	12.2		NA	0.0	18.2		NA	0.0	28.8		NA	0.0	23.3		NA	0.0
WEIGHT OF SAMPLE, SR		MG	5.2		NA	0.0	6.1		NA	0.0	7.5		NA	0.0	7.9		NA	0.0

Table C1.4
LEHR Environmental Restoration
Analytical Results For DPI Phase B

RADs

Lab_chem	Background Levels	Units	LEHR-SS-DP-0099 H-32, 0'				LEHR-SS-DP-0100 I-12, 0'				LEHR-SS-DP-0101 I-12, 0'				LEHR-SS-DP-0102 I-12, 0'			
			Value		Uncert	MDA	Value		Uncert	MDA	Value		Uncert	MDA	Value		Uncert	MDA
ACTINIUM-228	0.64	PCI/G	0.393	/J	0.108	0.0735	0.354	/J	0.102	0.0633	0.265	/J	0.0982	0.0616	0.382	/J	0.113	0.0666
BISMUTH-212	0.43	PCI/G	0.284	/J	0.191	0.162	0.187	/J	0.134	0.156	0.203	/J	0.13	0.148	0.227	/J	0.118	0.153
BISMUTH-214	0.54	PCI/G	0.376		0.0725	0.0366	0.286		0.0574	0.0422	0.269		0.0619	0.0323	0.306		0.0684	0.0377
CARBON-14	0.13	PCI/G	0.0427	/U	0.566	0.978	-0.298	/U	0.558	0.987	-0.191	/U	0.567	0.995	-0.239	/U	0.576	1.02
CESIUM-137	0.012	PCI/G	-0.0055	/U	0.0122	0.0206	0.0059	/U	0.0111	0.0206	0.0137	/U	0.0183	0.0183	0.0104	/U	0.0121	0.0206
COBALT-60	0.006	PCI/G	-0.0041	/U	0.0129	0.0222	-0.0112	/U	0.0121	0.0199	-0.006	/U	0.011	0.019	0.0077	/U	0.0127	0.0243
GROSS ALPHA	8.7	PCI/G	5.02		2.28	2.6	5.38		2.61	3.5	4.36	/J	2.01	2.35	3.44	/J	1.85	2.56
LEAD-210	1.6	PCI/G	0.39	/U	2.24	1.96	2.36	/U	1.62	2.77	0.779	/U	1.78	1.73	0.901	/U	1.35	2.17
LEAD-212	0.7	PCI/G	0.417		0.0601	0.0312	0.369		0.0562	0.0274	0.318		0.0513	0.0297	0.348		0.0531	0.0299
LEAD-214	0.58	PCI/G	0.469		0.0771	0.0365	0.318		0.0693	0.0339	0.252		0.0525	0.0364	0.33		0.0673	0.0347
NONVOLATILE BETA	15	PCI/G	6.29		2.53	4.65	5.71		2.46	4.52	8.32		2.5	4.17	4.42	/J	2.28	4.37
POTASSIUM-40	14	PCI/G	6.36		0.807	0.194	3.92		0.536	0.166	3.76		0.519	0.182	5.5		0.732	0.195
RADIUM-226	0.75	PCI/G	0.493	/J	0.342	0.443	[redacted]		0.475	0.116	[redacted]		0.385	0.373	0.606		0.33	0.126
STRONTIUM-90	0.056	PCI/G	-0.0769	/U	0.205	0.477	0.215	/U	0.383	0.817	-0.0292	/U	0.184	0.42	[redacted]	/J	0.342	0.564
THALLIUM-208	0.22	PCI/G	0.127	/J	0.0327	0.0193	0.0949	/J	0.027	0.0213	0.107	/J	0.0243	0.0172	0.0863	/J	0.0253	0.0209
THORIUM-234	0.78	PCI/G	0.209	/U	0.669	0.614	0.662	/J	0.781	0.64	0.604	/J	0.644	0.53	0.444	/U	0.584	0.549
URANIUM-235	0.039	PCI/G	0.05	/U	0.065	0.117	-0.03	/U	0.0554	0.098	0.0607	/U	0.0566	0.104	0.0424	/U	0.0596	0.109
URANIUM-238	0.65	PCI/G	0.209	/U	0.669	0.614	[redacted]	/J	0.781	0.64	0.604	/J	0.644	0.53	0.444	/U	0.584	0.549
WEIGHT OF SAMPLE, A		MG	21.3		NA	0.0	28		NA	0.0	20.5		NA	0.0	18.5		NA	0.0
WEIGHT OF SAMPLE, SR		MG	7.3		NA	0.0	4.7		NA	0.0	8.3		NA	0.0	5.6		NA	0.0

Table C1.4
LEHR Environmental Restoration
Analytical Results For DPI Phase B

RADs

Lab_chem	Background Levels	Units	LEHR-SS-DP-0103 I-12 (FD), 0 '				LEHR-SS-DP-0104 I-12, 0 '				LEHR-SS-DP-0105 I-23, 0 '				LEHR-SS-DP-0106 I-23, 0 '			
			Value		Uncert	MDA	Value		Uncert	MDA	Value		Uncert	MDA	Value		Uncert	MDA
ACTINIUM-228	0.64	PCI/G	0.362	/J	0.113	0.0714	0.0	/U	0.107	0.112	0.446	/J	0.108	0.0723	0.456	/J	0.121	0.0673
BISMUTH-212	0.43	PCI/G	0.331	/J	0.161	0.152	0.27	/J	0.151	0.129	0.203	/J	0.151	0.169	0.401	/J	0.164	0.147
BISMUTH-214	0.54	PCI/G	0.272		0.0637	0.0382	0.246		0.0637	0.035	0.394		0.0672	0.0359	0.416		0.0723	0.0346
CARBON-14	0.13	PCI/G	0.494	/U	0.708	1.2	0.283	/U	0.641	1.1	0.138	/U	0.644	1.11	-0.808	/U	0.574	1.05
CESIUM-137	0.012	PCI/G	0.0015	/U	0.013	0.0197	0.0176	/U	0.0147	0.0179	-0.0025	/U	0.0116	0.0201	-0.0008	/U	0.0107	0.0191
COBALT-60	0.006	PCI/G	-0.0087	/U	0.0232	0.0208	-0.0007	/U	0.0105	0.0191	0.0085	/U	0.0126	0.0236	-0.0037	/U	0.0119	0.0212
GROSS ALPHA	8.7	PCI/G	4.87	/J	2.63	3.69	2.1	/U	2.16	4.13	12.3		4.12	4.93	[redacted]		3.64	3.27
LEAD-210	1.6	PCI/G	1.74	/U	1.94	1.92	0.948	/U	1.13	1.87	0.277	/U	4.18	6.52	0.0066	/U	2.13	1.94
LEAD-212	0.7	PCI/G	0.422		0.0615	0.0313	0.278		0.0464	0.0277	0.479		0.0663	0.0312	0.536		0.0699	0.0311
LEAD-214	0.58	PCI/G	0.322		0.0657	0.0375	0.283		0.0614	0.0343	0.46		0.0817	0.0382	0.424		0.0739	0.0369
NONVOLATILE BETA	15	PCI/G	5.72		2.51	4.61	5.42		2.72	5.24	11.4		3.01	4.74	13.2		3.01	4.37
POTASSIUM-40	14	PCI/G	5.14		0.66	0.18	4.72		0.632	0.177	10.2		1.21	0.214	8.94		1.08	0.192
RADIUM-226	0.75	PCI/G	0.0855	/U	0.168	0.315	0.0	/U	0.12	0.32	0.0	/U	0.164	0.388	0.691		0.382	0.438
STRONTIUM-90	0.056	PCI/G	-0.277	/U	0.28	0.682	-0.121	/U	0.2	0.475	-0.0741	/U	0.247	0.566	0.0802	/U	0.332	0.729
THALLIUM-208	0.22	PCI/G	0.108	/J	0.0263	0.0204	0.0811	/J	0.0225	0.017	0.164	/J	0.031	0.0204	0.164	/J	0.0307	0.0211
THORIUM-234	0.78	PCI/G	[redacted]	/J	0.739	0.61	0.205	/U	0.523	0.559	0.217	/U	1	1.06	0.407	/U	0.599	0.614
URANIUM-235	0.039	PCI/G	0.0614	/U	0.0683	0.119	-0.0049	/U	0.0551	0.0996	0.0689	/U	0.0645	0.116	0.0383	/U	0.0582	0.108
URANIUM-238	0.65	PCI/G	[redacted]		0.739	0.61	0.205	/U	0.523	0.559	0.217	/U	1	1.06	0.407	/U	0.599	0.614
WEIGHT OF SAMPLE, A		MG	22.1		NA	0.0	19.1		NA	0.0	25.1		NA	0.0	27.9		NA	0.0
WEIGHT OF SAMPLE, SR		MG	5.3		NA	0.0	7		NA	0.0	7		NA	0.0	4.8		NA	0.0

Table C1.4
LEHR Environmental Restoration
Analytical Results For DPI Phase B

RADs

Lab_chem	Background Levels	Units	LEHR-SS-DP-0107 I-23, 0'				LEHR-SS-DP-0108 J-23, 0'				LEHR-SS-DP-0109 J-23, 0'				LEHR-SS-DP-0110 J-23, 0'			
			Value		Uncert	MDA	Value		Uncert	MDA	Value		Uncert	MDA	Value		Uncert	MDA
ACTINIUM-228	0.64	PCI/G	0.553		0.179	0.0934	0.33	/J	0.0936	0.0627	0.222	/J	0.0803	0.0598	0.227	/J	0.0903	0.0552
BISMUTH-212	0.43	PCI/G	0.332	/J	0.203	0.212	0.126	/U	0.128	0.148	0.203	/J	0.137	0.136	0.276	/J	0.135	0.127
BISMUTH-214	0.54	PCI/G	0.334		0.0834	0.0549	0.339		0.0647	0.0339	0.254		0.0585	0.0335	0.266		0.0551	0.0303
CARBON-14	0.13	PCI/G	-0.0299	/U	0.731	1.27	-0.247	/U	0.572	1.01	-0.143	/U	0.565	0.989	0.0355	/U	0.611	1.06
CESIUM-137	0.012	PCI/G	-0.0122	/U	0.0158	0.0248	0.006	/U	0.0085	0.0179	0.0002	/U	0.0096	0.0174	0.0049	/U	0.0226	0.0181
COBALT-60	0.006	PCI/G	0.0004	/U	0.0179	0.0294	-0.0029	/U	0.012	0.021	-0.007	/U	0.0103	0.0176	0.0019	/U	0.0101	0.018
GROSS ALPHA	8.7	PCI/G	[redacted]		3.2	3.15	6.3		3.43	5.64	3.39	/J	1.48	1.99	[redacted]		2.98	2.27
LEAD-210	1.6	PCI/G	0.0438	/U	1.46	1.19	1.1	/U	1.17	1.94	1.88	/U	1.37	2.56	0.0452	/U	2.85	3.4
LEAD-212	0.7	PCI/G	0.669		0.0911	0.0386	0.313		0.0486	0.0286	0.301		0.0481	0.0266	0.292		0.0477	0.0291
LEAD-214	0.58	PCI/G	0.492		0.0845	0.0499	0.346		0.0636	0.0343	0.296		0.0608	0.0314	0.351		0.0641	0.0326
NONVOLATILE BETA	15	PCI/G	8.89		2.93	5.05	10.4		3.14	5.28	4.21	/J	1.77	3.14	9.72		2.47	3.95
POTASSIUM-40	14	PCI/G	12		1.43	0.27	4.74		0.651	0.196	4.48		0.578	0.177	4.53		0.595	0.169
RADIUM-226	0.75	PCI/G	[redacted]		0.411	0.416	0.246	/U	0.254	0.381	0.503		0.349	0.452	0.688		0.363	0.376
STRONTIUM-90	0.056	PCI/G	-0.213	/U	0.264	0.635	0.083	/U	0.289	0.631	0.0384	/U	0.257	0.567	0.263	/U	0.404	0.845
THALLIUM-208	0.22	PCI/G	0.196	/J	0.0431	0.0249	0.0911	/J	0.0289	0.0178	0.11	/J	0.0256	0.0189	0.0807	/J	0.0256	0.0167
THORIUM-234	0.78	PCI/G	0.0	/U	0.791	0.742	0.359	/U	0.605	0.557	0.299	/U	0.627	0.611	0.472	/U	0.742	0.69
URANIUM-235	0.039	PCI/G	0.0	/U	0.103	0.154	0.052	/U	0.0568	0.104	0.0515	/U	0.0488	0.0916	0.0208	/U	0.0536	0.0987
URANIUM-238	0.65	PCI/G	0.0	/U	0.791	0.742	0.359	/U	0.605	0.557	0.299	/U	0.627	0.611	0.472	/U	0.742	0.69
WEIGHT OF SAMPLE, A		MG	18.1		NA	0.0	25.8		NA	0.0	51.1		NA	0.0	36.2		NA	0.0
WEIGHT OF SAMPLE, SR		MG	6.3		NA	0.0	5.7		NA	0.0	7		NA	0.0	4.3		NA	0.0

Table C1.4
LEHR Environmental Restoration
Analytical Results For DPI Phase B

RADs

Lab_chem	Background Levels	Units	LEHR-SS-DP-0111 J-23, 0 '				LEHR-SS-DP-0112 J-24, 0 '				LEHR-SS-DP-0113 J-24, 0 '				LEHR-SS-DP-0114 J-24 (FD), 0 '			
			Value		Uncert	MDA	Value		Uncert	MDA	Value		Uncert	MDA	Value		Uncert	MDA
ACTINIUM-228	0.64	PCI/G	0.281	/J	0.0908	0.061	0.0263	/U	0.0485	0.0456	0.288	/J	0.122	0.057	0.436	/J	0.104	0.0633
BISMUTH-212	0.43	PCI/G	0.213	/J	0.11	0.134	0.273	/J	0.135	0.1	0.339	/J	0.123	0.124	0.293	/J	0.149	0.153
BISMUTH-214	0.54	PCI/G	0.281		0.0512	0.0314	0.0	/U	0.0515	0.0507	0.276		0.0541	0.0292	0.348		0.0695	0.0357
CARBON-14	0.13	PCI/G	-0.301	/U	0.668	1.18	-0.369	/U	0.616	1.09	-0.453	/U	0.599	1.07	-0.473	/U	0.64	1.14
CESIUM-137	0.012	PCI/G	0.0093	/U	0.0099	0.0185	0.0034	/U	0.0074	0.0133	0.0104	/U	0.011	0.0169	-0.0034	/U	0.0128	0.0196
COBALT-60	0.006	PCI/G	0.0037	/U	0.01	0.0188	0.0034	/U	0.0075	0.0139	0.0006	/U	0.0098	0.0179	0.0071	/U	0.0128	0.0244
GROSS ALPHA	8.7	PCI/G	4.03	/J	2.24	3.39	1.4	/U	1.75	3.5	3.2	/U	2.08	3.59	2.91	/J	1.8	2.7
LEAD-210	1.6	PCI/G	0.368	/U	2.32	1.74	0.773	/U	2.23	1.8	0.0946	/U	1.18	1.95	0.293	/U	1.75	1.94
LEAD-212	0.7	PCI/G	0.309		0.0463	0.0247	0.397		0.0566	0.0186	0.327		0.0476	0.0204	0.456		0.0623	0.0308
LEAD-214	0.58	PCI/G	0.353		0.0597	0.0324	0.261		0.0515	0.0244	0.322		0.0596	0.0272	0.419		0.0752	0.0384
NONVOLATILE BETA	15	PCI/G	8.71		2.46	4.07	6.67		2.39	4.32	7.15		2.26	3.86	7.55		2.21	3.63
POTASSIUM-40	14	PCI/G	5.64		0.72	0.179	1.42	/J	0.293	0.126	4.62		0.579	0.147	5.21		0.71	0.201
RADIUM-226	0.75	PCI/G	0.317	/J	0.208	0.263	0.319	/U	0.248	0.349	0.229	/U	0.18	0.237	0.321	/J	0.196	0.197
STRONTIUM-90	0.056	PCI/G	0.146	/U	0.241	0.405	-0.0802	/U	0.347	0.603	0.308	/U	0.276	0.456	0.0935	/U	0.368	0.628
THALLIUM-208	0.22	PCI/G	0.0846	/J	0.0242	0.0167	0.112	/J	0.023	0.0137	0.0934	/J	0.0263	0.0155	0.149	/J	0.0326	0.0196
THORIUM-234	0.78	PCI/G	0.244	/U	0.513	0.494	0.197	/U	0.55	0.456	0.232	/U	0.517	0.47	0.319	/U	0.618	0.632
URANIUM-235	0.039	PCI/G	0.0165	/U	0.0492	0.0892	0.0486	/U	0.0402	0.0723	[illegible]	/J	0.0864	0.0666	0.0772	/U	0.0621	0.113
URANIUM-238	0.65	PCI/G	0.244	/U	0.513	0.494	0.197	/U	0.55	0.456	0.232	/U	0.517	0.47	0.319	/U	0.618	0.632
WEIGHT OF SAMPLE, A		MG	21		NA	0.0	18.3		NA	0.0	14.6		NA	0.0	21.9		NA	0.0
WEIGHT OF SAMPLE, SR		MG	4.5		NA	0.0	2.8		NA	0.0	3.6		NA	0.0	2.8		NA	0.0

Table C1.4
LEHR Environmental Restoration
Analytical Results For DPI Phase B

RADs

Lab_chem	Background Levels	Units	LEHR-SS-DP-0115 J-24, 0'				LEHR-SS-DP-0116 J-24, 0'				LEHR-SS-DP-0117 C-32, LF, 0'				LEHR-SS-DP-0118 C-32, LC, 0'			
			Value		Uncert	MDA	Value		Uncert	MDA	Value		Uncert	MDA	Value		Uncert	MDA
ACTINIUM-228	0.64	PCI/G	0.309	/J	0.0836	0.0505	0.352	/J	0.0863	0.0418	0.476	/J	0.13	0.0753	0.547		0.141	0.0938
BISMUTH-212	0.43	PCI/G	0.235	/J	0.107	0.118	0.261	/J	0.106	0.0954	0.32	/J	0.15	0.178	0.213	/U	0.259	0.226
BISMUTH-214	0.54	PCI/G	0.304		0.0532	0.0293	0.284		0.0521	0.0243	0.442		0.0816	0.0432	[redacted]		0.0888	0.0508
CARBON-14	0.13	PCI/G	-0.266	/U	0.622	1.1	-0.607	/U	0.638	1.15	-0.213	/U	0.674	1.18	-0.385	/U	0.653	1.16
CESIUM-137	0.012	PCI/G	0.0013	/U	0.0083	0.0148	0.0038	/U	0.0127	0.0124	-0.0005	/U	0.0124	0.0213	-0.0002	/U	0.0146	0.0259
COBALT-60	0.006	PCI/G	-0.009	/U	0.0094	0.0154	0.002	/U	0.0078	0.0135	-0.0006	/U	0.0145	0.0247	-0.011	/U	0.0168	0.0284
GROSS ALPHA	8.7	PCI/G	3.82	/J	1.96	2.49	7.18		1.96	1.6	7.51		3.23	4.08	[redacted]		3.38	2.99
LEAD-210	1.6	PCI/G	0.95	/U	1.5	1.49	0.316	/U	0.774	0.619	0.028	/U	1.05	1.16	0.68	/U	1.69	2.67
LEAD-212	0.7	PCI/G	0.374		0.0529	0.0247	0.318		0.0441	0.0205	0.558		0.0737	0.0351	0.587		0.0838	0.0407
LEAD-214	0.58	PCI/G	0.354		0.0594	0.0291	0.34		0.0528	0.0225	0.541		0.0861	0.0419	[redacted]		0.106	0.0495
NONVOLATILE BETA	15	PCI/G	5.63		2.47	4.61	10.4		1.94	2.92	[redacted]		3.61	5.35	[redacted]		3.32	4.49
POTASSIUM-40	14	PCI/G	4.61		0.597	0.129	5.57		0.669	0.106	13.1		1.54	0.22	12.1		1.42	0.268
RADIUM-226	0.75	PCI/G	0.127	/U	0.205	0.357	0.419	/J	0.241	0.296	0.466	/J	0.253	0.0971	[redacted]		0.411	0.121
STRONTIUM-90	0.056	PCI/G	-0.0414	/U	0.225	0.39	0.144	/U	0.241	0.406	0.0383	/U	0.249	0.551	0.127	/U	0.288	0.621
THALLIUM-208	0.22	PCI/G	0.117	/J	0.0232	0.0142	0.0925	/J	0.0199	0.0118	0.163	/J	0.037	0.0217	0.162	/J	0.0412	0.0255
THORIUM-234	0.78	PCI/G	0.396	/U	0.597	0.442	0.506	/J	0.424	0.302	0.248	/U	0.676	0.543	0.72	/U	0.915	0.784
URANIUM-235	0.039	PCI/G	0.0386	/U	0.0487	0.088	0.0668	/U	0.0445	0.0766	0.0	/U	0.083	0.138	0.0872	/U	0.0848	0.153
URANIUM-238	0.65	PCI/G	0.396	/U	0.597	0.442	0.506	/J	0.424	0.302	0.248	/U	0.676	0.543	0.72	/U	0.915	0.784
WEIGHT OF SAMPLE, A		MG	17.4		NA	0.0	38.1		NA	0.0	43.3		NA	0.0	44.8		NA	0.0
WEIGHT OF SAMPLE, SR		MG	4.2		NA	0.0	4.3		NA	0.0	8.9		NA	0.0	9.2		NA	0.0

Table C1.4
LEHR Environmental Restoration
Analytical Results For DPI Phase B

RADs

Lab_chem	Background Levels	Units	LEHR-SS-DP-0119 C-32, RC, 0'				LEHR-SS-DP-0120 C-32, RR, 0'				LEHR-SS-DP-0121 C-32, IF, 0'				LEHR-SS-DP-0122 C-32, P, 0'			
			Value		Uncert	MDA	Value		Uncert	MDA	Value		Uncert	MDA	Value		Uncert	MDA
ACTINIUM-228	0.64	PCI/G	0.409	/J	0.135	0.112	0.44	/J	0.153	0.111	0.543		0.147	0.0984	0.557		0.168	0.0989
BISMUTH-212	0.43	PCI/G	[redacted]	/J	0.18	0.24	[redacted]	/J	0.218	0.254	0.426	/J	0.297	0.256	[redacted]	/J	0.212	0.236
BISMUTH-214	0.54	PCI/G	0.504		0.11	0.0561	0.539		0.0992	0.0566	[redacted]		0.109	0.0534	0.48		0.093	0.0591
CARBON-14	0.13	PCI/G	-0.0918	/U	0.732	1.29	-0.525	/U	0.637	1.13	0.0224	/U	0.714	1.24	0.0578	/U	0.693	1.2
CESIUM-137	0.012	PCI/G	-0.0235	/U	0.0183	0.0285	0.0215	/U	0.0184	0.0355	-0.0129	/U	0.0186	0.0311	-0.0239	/U	0.0163	0.0253
COBALT-60	0.006	PCI/G	-0.0025	/U	0.0176	0.0312	0.0159	/U	0.0207	0.0405	-0.0031	/U	0.0192	0.0342	0.0121	/U	0.0199	0.0361
GROSS ALPHA	8.7	PCI/G	[redacted]		3.79	4.41	[redacted]		3.61	4.4	2.84	/U	2.43	4.47	7		3.19	3.73
LEAD-210	1.6	PCI/G	1.92	/U	1.88	3.01	1.09	/U	2.07	3.56	0.308	/J	0.379	0.278	[redacted]	/J	3.57	2.76
LEAD-212	0.7	PCI/G	0.548		0.0769	0.0495	0.591		0.0877	0.0432	0.604		0.0908	0.0399	0.596		0.0848	0.0447
LEAD-214	0.58	PCI/G	[redacted]		0.107	0.0563	0.571		0.0991	0.0552	[redacted]		0.126	0.0481	[redacted]		0.108	0.0539
NONVOLATILE BETA	15	PCI/G	14.4		3.55	5.32	[redacted]		3.52	5.27	6.43		2.84	5.19	14.4		3.36	4.79
POTASSIUM-40	14	PCI/G	12.3		1.47	0.247	12.6		1.5	0.272	11.9		1.51	0.316	13.4		1.65	0.312
RADIUM-226	0.75	PCI/G	0.695		0.29	0.0856	0.623		0.346	0.416	0.625		0.287	0.23	0.321	/J	0.206	0.215
STRONTIUM-90	0.056	PCI/G	-0.137	/U	0.314	0.725	0.0235	/U	0.279	0.623	0.053	/U	0.263	0.58	0.0598	/U	0.268	0.588
THALLIUM-208	0.22	PCI/G	0.158	/J	0.0419	0.0319	0.177	/J	0.0415	0.0332	0.194	/J	0.051	0.0302	0.164	/J	0.0437	0.0307
THORIUM-234	0.78	PCI/G	0.374	/U	0.871	0.889	[redacted]	/J	1.03	1	0.682	/J	0.42	0.334	0.529	/U	0.953	0.918
URANIUM-235	0.039	PCI/G	0.165	/U	0.149	0.168	0.0238	/U	0.0871	0.154	0.129	/U	0.0825	0.148	0.0933	/U	0.108	0.163
URANIUM-238	0.65	PCI/G	0.374	/U	0.871	0.889	[redacted]		1.03	1	[redacted]	/J	0.42	0.334	0.529	/U	0.953	0.918
WEIGHT OF SAMPLE, A		MG	38		NA	0.0	40.7		NA	0.0	26.4		NA	0.0	38.9		NA	0.0
WEIGHT OF SAMPLE, SR		MG	8.1		NA	0.0	7.7		NA	0.0	8.5		NA	0.0	9.4		NA	0.0

Table C1.4
LEHR Environmental Restoration
Analytical Results For DPI Phase B

RADs

Lab_chem	Background Levels	Units	LEHR-SS-DP-0119 C-32, RC, 0'				LEHR-SS-DP-0120 C-32, RR, 0'				LEHR-SS-DP-0121 C-32, IF, 0'				LEHR-SS-DP-0122 C-32, P, 0'			
			Value		Uncert	MDA	Value		Uncert	MDA	Value		Uncert	MDA	Value		Uncert	MDA
ACTINIUM-228	0.64	PCI/G	0.409	/J	0.135	0.112	0.44	/J	0.153	0.111	0.543		0.147	0.0984	0.557		0.168	0.0989
BISMUTH-212	0.43	PCI/G	0.495	/J	0.18	0.24	0.504	/J	0.218	0.254	0.426	/J	0.297	0.256	0.496	/J	0.212	0.236
BISMUTH-214	0.54	PCI/G	0.504		0.11	0.0561	0.539		0.0992	0.0566	0.55		0.109	0.0514	0.48		0.093	0.0591
CARBON-14	0.13	PCI/G	-0.0918	/U	0.732	1.29	-0.525	/U	0.637	1.13	0.0224	/U	0.714	1.24	0.0578	/U	0.693	1.2
CESIUM-137	0.012	PCI/G	-0.0235	/U	0.0183	0.0285	0.0215	/U	0.0184	0.0355	-0.0129	/U	0.0186	0.0311	-0.0239	/U	0.0163	0.0253
COBALT-60	0.006	PCI/G	-0.0025	/U	0.0176	0.0312	0.0159	/U	0.0207	0.0405	-0.0031	/U	0.0192	0.0342	0.0121	/U	0.0199	0.0361
GROSS ALPHA	8.7	PCI/G	9.72		3.79	4.41	9.27		3.61	4.4	2.84	/U	2.43	4.47	7		3.19	3.73
LEAD-210	1.6	PCI/G	1.92	/U	1.88	3.01	1.09	/U	2.07	3.56	0.308	/J	0.379	0.278	3.87	/J	3.57	2.76
LEAD-212	0.7	PCI/G	0.548		0.0769	0.0495	0.591		0.0877	0.0432	0.604		0.0908	0.0399	0.596		0.0848	0.0447
LEAD-214	0.58	PCI/G	0.584		0.107	0.0563	0.571		0.0991	0.0552	0.728		0.126	0.0481	0.614		0.108	0.0539
NONVOLATILE BETA	15	PCI/G	14.4		3.55	5.32	16		3.52	5.27	6.43		2.84	5.19	14.4		3.36	4.79
POTASSIUM-40	14	PCI/G	12.3		1.47	0.247	12.6		1.5	0.272	11.9		1.51	0.316	13.4		1.65	0.312
RADIUM-226	0.75	PCI/G	0.695		0.29	0.0856	0.623		0.346	0.416	0.625		0.287	0.23	0.321	/J	0.206	0.215
STRONTIUM-90	0.056	PCI/G	-0.137	/U	0.314	0.725	0.0235	/U	0.279	0.623	0.053	/U	0.263	0.58	0.0598	/U	0.268	0.588
THALLIUM-208	0.22	PCI/G	0.158	/J	0.0419	0.0319	0.177	/J	0.0415	0.0332	0.194	/J	0.051	0.0302	0.164	/J	0.0437	0.0307
THORIUM-234	0.78	PCI/G	0.374	/U	0.871	0.889	1.09	/J	1.03	1	0.682	/J	0.42	0.334	0.529	/U	0.953	0.918
URANIUM-235	0.039	PCI/G	0.165	/U	0.149	0.168	0.0238	/U	0.0871	0.154	0.129	/U	0.0825	0.148	0.0933	/U	0.108	0.163
URANIUM-238	0.65	PCI/G	0.374	/U	0.871	0.889	1.09		1.03	1	0.682	/J	0.42	0.334	0.529	/U	0.953	0.918
WEIGHT OF SAMPLE, A		MG	38		NA	0.0	40.7		NA	0.0	26.4		NA	0.0	38.9		NA	0.0
WEIGHT OF SAMPLE, SR		MG	8.1		NA	0.0	7.7		NA	0.0	8.5		NA	0.0	9.4		NA	0.0

Table C1.4
LEHR Environmental Restoration
Analytical Results For DPI Phase B

RADs

Lab_chem	Background Levels	Units	LEHR-SS-DP-0123 D-30, LR, 0 '				LEHR-SS-DP-0124 D-30, RC, 0 '				LEHR-SS-DP-0125 D-30, RF, 0 '				LEHR-SS-DP-0126 D-30, P, 0 '			
			Value		Uncert	MDA	Value		Uncert	MDA	Value		Uncert	MDA	Value		Uncert	MDA
ACTINIUM-228	0.64	PCI/G	0.528		0.211	0.106	0.483	/J	0.13	0.0946	0.196	/J	0.147	0.109	0.409	/J	0.106	0.0683
BISMUTH-212	0.43	PCI/G	0.186	/U	0.236	0.269	0.444	/J	0.188	0.19	0.571	/J	0.228	0.231	0.322	/J	0.162	0.154
BISMUTH-214	0.54	PCI/G	0.473		0.0996	0.0647	0.468		0.0863	0.0548	0.484		0.0969	0.0617	0.352		0.0693	0.034
CARBON-14	0.13	PCI/G	-0.0711	/U	0.679	1.18	-0.253	/U	0.643	1.14	-0.441	/U	0.647	1.15	-0.0662	/U	0.629	1.1
CESIUM-137	0.012	PCI/G	0.084	/J	0.0421	0.0315	0.035	/J	0.0257	0.0276	0.0213	/U	0.0231	0.0322	0.0153	/U	0.027	0.0191
COBALT-60	0.006	PCI/G	0.0121	/U	0.0211	0.0412	0.0115	/U	0.0173	0.0336	0.0161	/U	0.0191	0.0375	-0.0004	/U	0.0144	0.025
GROSS ALPHA	8.7	PCI/G	2.66	/U	2.32	3.58	5		2.69	2.49	5.04		2.7	3.01	7.86		3.55	4.4
LEAD-210	1.6	PCI/G	0.544	/J	0.355	0.328	0.901	/U	2.33	3.75	1.36	/U	1.7	2.74	1.91	/U	4.21	3.93
LEAD-212	0.7	PCI/G	0.591		0.0911	0.0422	0.482		0.0763	0.0419	0.538		0.0911	0.043	0.408		0.0631	0.0322
LEAD-214	0.58	PCI/G	0.534		0.11	0.0591	0.572		0.105	0.0464	0.538		0.107	0.0558	0.423		0.0754	0.0355
NONVOLATILE BETA	15	PCI/G	14.2		3.33	4.78	15		3.69	5.55	13.2		3.28	4.97	10.2		3.22	5.35
POTASSIUM-40	14	PCI/G	13.7		1.73	0.261	11.4		1.33	0.278	12		1.49	0.304	10.6		1.22	0.176
RADIUM-226	0.75	PCI/G	0.472	/J	0.296	0.364	0.762		0.305	0.0861	0.522		0.278	0.312	0.0967	/U	0.189	0.347
STRONTIUM-90	0.056	PCI/G	0.213	/U	0.241	0.5	-0.0198	/U	0.222	0.503	0.191	/U	0.287	0.607	-0.141	/U	0.211	0.502
THALLIUM-208	0.22	PCI/G	0.192	/J	0.0531	0.0332	0.151	/J	0.0421	0.025	0.161	/J	0.0445	0.0339	0.114	/J	0.0286	0.0209
THORIUM-234	0.78	PCI/G	0.777	/J	0.498	0.368	0.657	/U	0.873	0.96	0.982	/J	1.14	0.841	0.75	/U	0.935	0.827
URANIUM-235	0.039	PCI/G	0.0826	/U	0.0839	0.156	0.0552	/U	0.115	0.145	0.0682	/U	0.144	0.167	0.0059	/U	0.0639	0.118
URANIUM-238	0.65	PCI/G	0.777	/J	0.498	0.368	0.657	/U	0.873	0.96	0.982	/J	1.14	0.841	0.75	/U	0.935	0.827
WEIGHT OF SAMPLE, A		MG	40.3		NA	0.0	39.2		NA	0.0	43.3		NA	0.0	41.4		NA	0.0
WEIGHT OF SAMPLE, SR		MG	8.5		NA	0.0	8.9		NA	0.0	8.1		NA	0.0	9		NA	0.0

Table C1.4
LEHR Environmental Restoration
Analytical Results For DPI Phase B

RADs

Lab_chem	Background Levels	Units	LEHR-SS-DP-0127 D-30, P (FD), 0 '				LEHR-SS-DP-0128 D-25, LF, 0 '				LEHR-SS-DP-0129 D-25, LC, 0 '				LEHR-SS-DP-0130 D-25, LR, 0 '			
			Value		Uncert	MDA	Value		Uncert	MDA	Value		Uncert	MDA	Value		Uncert	MDA
ACTINIUM-228	0.64	PCI/G	0.0	/U	0.16	0.198	0.404	/J	0.12	0.0919	0.49	/J	0.123	0.0663	0.526		0.164	0.095
BISMUTH-212	0.43	PCI/G	0.377	/J	0.267	0.286	0.33	/J	0.181	0.193	0.283	/J	0.137	0.157	0.317	/J	0.196	0.21
BISMUTH-214	0.54	PCI/G	0.414		0.0984	0.0741	0.479		0.0843	0.0441	0.538		0.0816	0.033	0.384		0.097	0.0536
CARBON-14	0.13	PCI/G	-0.245	/U	0.658	1.16	0.532	/U	0.566	0.948	0.689	/U	0.568	0.936	0.386	/U	0.606	1.03
CESIUM-137	0.012	PCI/G	0.0226	/U	0.0217	0.04	**0.0278**	/J	0.0331	0.0259	**0.0255**	/J	0.0161	0.0173	**0.0591**	/J	0.0315	0.0252
COBALT-60	0.006	PCI/G	0.0109	/U	0.0195	0.0354	0.011	/U	0.0135	0.0257	-0.0006	/U	0.0119	0.0207	-0.0078	/U	0.0179	0.0303
GROSS ALPHA	8.7	PCI/G	6.86		3.49	4.3	8.19		3.17	3.32	8.24		3.53	5.05	7.18		2.8	2.96
LEAD-210	1.6	PCI/G	1.32	/U	1.16	1.96	**4.96**	/J	5.43	4.82	3.02	/U	3.71	5.74	1.48	/U	1.5	2.43
LEAD-212	0.7	PCI/G	0.386		0.0825	0.0516	0.535		0.0819	0.0402	0.533		0.0696	0.0278	0.533		0.086	0.0406
LEAD-214	0.58	PCI/G	0.346		0.101	0.0679	0.533		0.0938	0.048	**0.587**		0.0875	0.0344	0.546		0.109	0.052
NONVOLATILE BETA	15	PCI/G	9.63		3.51	6.19	13.2		3.1	4.69	**16.3**		3.5	5.24	13.9		3.29	5.25
POTASSIUM-40	14	PCI/G	9.32		1.18	0.329	12.9		1.45	0.24	12.3		1.37	0.187	13		1.51	0.287
RADIUM-226	0.75	PCI/G	0.406	/J	0.248	0.25	0.369	/J	0.21	0.229	0.607		0.278	0.284	0.371	/J	0.203	0.215
STRONTIUM-90	0.056	PCI/G	-0.176	/U	0.235	0.563	0.263	/U	0.349	0.674	-0.154	/U	0.255	0.604	0.396	/U	0.435	0.901
THALLIUM-208	0.22	PCI/G	0.14	/J	0.0473	0.0383	0.175	/J	0.0356	0.0226	0.182	/J	0.0298	0.017	0.175	/J	0.0384	0.0271
THORIUM-234	0.78	PCI/G	0.574	/U	1.12	0.982	0.977	/U	1.11	0.983	0.148	/U	0.997	0.899	**1.45**	/J	0.881	0.736
URANIUM-235	0.039	PCI/G	0.196	/U	0.114	0.201	0.0388	/U	0.0896	0.141	0.0969	/U	0.0609	0.105	0.0	/U	0.0926	0.158
URANIUM-238	0.65	PCI/G	0.574	/U	1.12	0.982	0.977	/U	1.11	0.983	0.148	/U	0.997	0.899	**1.45**		0.881	0.736
WEIGHT OF SAMPLE, A		MG	42.5		NA	0.0	41.1		NA	0.0	40.7		NA	0.0	41.2		NA	0.0
WEIGHT OF SAMPLE, SR		MG	8.9		NA	0.0	5		NA	0.0	8		NA	0.0	5.7		NA	0.0

Table C1.4
LEHR Environmental Restoration
Analytical Results For DPI Phase B

RADs

Lab_chem	Background Levels	Units	LEHR-SS-DP-0131 D-25, RC, 0'				LEHR-SS-DP-0132 D-25, RR, 0'				LEHR-SS-DP-0133 D-25, P, 0'				LEHR-SS-DP-0134 D-20, LR, 0'			
			Value		Uncert	MDA	Value		Uncert	MDA	Value		Uncert	MDA	Value		Uncert	MDA
ACTINIUM-228	0.64	PCI/G	0.468	/J	0.143	0.101	0.506		0.138	0.0935	0.573		0.137	0.0974	0.413	/J	0.113	0.102
BISMUTH-212	0.43	PCI/G	**0.496**	/J	0.218	0.197	0.0	/U	0.33	0.199	0.379	/J	0.236	0.214	0.422	/J	0.176	0.208
BISMUTH-214	0.54	PCI/G	0.534		0.0897	0.0464	0.436		0.0892	0.051	**0.581**		0.101	0.0531	0.408		0.0787	0.0499
CARBON-14	0.13	PCI/G	0.285	/U	0.548	0.936	0.727	/U	0.616	1.02	0.698	/U	0.604	1.01	0.623	/U	0.576	0.966
CESIUM-137	0.012	PCI/G	0.0241	/U	0.0231	0.0255	**0.115**		0.0289	0.0303	**0.0993**	/J	0.0353	0.0281	0.0027	/U	0.0164	0.0291
COBALT-60	0.006	PCI/G	0.0009	/U	0.0155	0.0287	0.0065	/U	0.0166	0.0315	-0.0013	/U	0.0178	0.031	0.002	/U	0.016	0.0292
GROSS ALPHA	8.7	PCI/G	5.19		2.35	2.25	4.84	/J	2.42	2.66	7.4		2.73	2.36	**9.81**		3.13	2.43
LEAD-210	1.6	PCI/G	0.394	/U	1.61	2.55	1.98	/U	1.74	2.83	2.04	/U	2.34	2.61	0.741	/U	1.65	2.66
LEAD-212	0.7	PCI/G	0.579		0.0786	0.0372	0.495		0.0745	0.0402	0.539		0.0783	0.043	0.499		0.0718	0.0411
LEAD-214	0.58	PCI/G	0.555		0.0943	0.0467	0.499		0.086	0.0532	**0.723**		0.113	0.0535	0.488		0.0884	0.047
NONVOLATILE BETA	15	PCI/G	9.79		2.94	4.77	11.8		2.85	4.36	15		2.94	4.13	12.7		2.83	4.2
POTASSIUM-40	14	PCI/G	12.1		1.47	0.295	11.7		1.44	0.27	12.4		1.48	0.275	11.2		1.32	0.281
RADIUM-226	0.75	PCI/G	0.369	/J	0.216	0.209	0.535		0.229	0.069	0.572		0.256	0.201	0.391	/J	0.214	0.227
STRONTIUM-90	0.056	PCI/G	0.179	/U	0.393	0.846	0.14	/U	0.335	0.723	0.593	/U	0.368	0.712	0.374	/U	0.352	0.717
THALLIUM-208	0.22	PCI/G	0.185	/J	0.042	0.0257	0.162	/J	0.0351	0.0266	0.157	/J	0.0345	0.0268	0.132	/J	0.0345	0.0266
THORIUM-234	0.78	PCI/G	0.747	/J	0.784	0.727	0.0291	/U	0.571	0.769	**1.09**	/J	0.99	0.88	**0.854**	/J	0.881	0.775
URANIUM-235	0.039	PCI/G	0.0366	/U	0.0788	0.143	0.0799	/U	0.123	0.147	0.0617	/U	0.0954	0.164	0.0314	/U	0.0777	0.141
URANIUM-238	0.65	PCI/G	**0.747**	/J	0.784	0.727	0.0291	/U	0.571	0.769	**1.09**		0.99	0.88	**0.854**	/J	0.881	0.775
WEIGHT OF SAMPLE, A		MG	27.2		NA	0.0	42.4		NA	0.0	45.7		NA	0.0	43.3		NA	0.0
WEIGHT OF SAMPLE, SR		MG	6.4		NA	0.0	6.5		NA	0.0	6.9		NA	0.0	6.2		NA	0.0

Table C1.4
LEHR Environmental Restoration
Analytical Results For DPI Phase B

RADs

Lab_chem	Background Levels	Units	LEHR-SS-DP-0135 D-20, RC, 0'				LEHR-SS-DP-0136 D-20, RF, 0'				LEHR-SS-DP-0137 D-20, P, 0'				LEHR-SS-DP-0138 D-30, RR, 0'			
			Value		Uncert	MDA	Value		Uncert	MDA	Value		Uncert	MDA	Value		Uncert	MDA
ACTINIUM-228	0.64	PCI/G	0.568		0.154	0.0806	0.437	/J	0.164	0.116	0.402	/J	0.0977	0.058	0.542		0.139	0.0776
BISMUTH-212	0.43	PCI/G	0.331	/J	0.181	0.182	0.0	/U	0.168	0.329	0.214	/J	0.125	0.137	0.331	/J	0.141	0.181
BISMUTH-214	0.54	PCI/G	0.392		0.0917	0.0464	0.366		0.0895	0.0605	0.355		0.0707	0.0351	0.51		0.0865	0.0395
CARBON-14	0.13	PCI/G	0.381	/U	0.548	0.928	0.776	/U	0.565	0.934	0.342	/U	0.523	0.886	0.182	/U	0.535	0.912
CESIUM-137	0.012	PCI/G	0.0121	/U	0.0112	0.0218	0.0005	/U	0.0173	0.0312	0.0067	/U	0.0095	0.0177	0.0124	/J	0.0333	0.0244
COBALT-60	0.006	PCI/G	0.0124	/U	0.0159	0.0292	-0.0084	/U	0.0203	0.0301	-0.0069	/U	0.0111	0.019	-0.0018	/U	0.0138	0.0234
GROSS ALPHA	8.7	PCI/G	6.53		2.97	3.71	4.5	/J	2.47	3.21	6.18		2.8	3.08	7.18		3.24	4.32
LEAD-210	1.6	PCI/G	0.18	/U	1.17	1.25	0.848	/U	3.05	2.86	1.85	/U	1.42	2.58	1.98	/U	5.25	4.37
LEAD-212	0.7	PCI/G	0.461		0.0678	0.0393	0.501		0.0811	0.0465	0.369		0.0546	0.026	0.542		0.0801	0.0356
LEAD-214	0.58	PCI/G	0.5		0.0849	0.0423	0.549		0.103	0.0613	0.394		0.0696	0.0301	0.595		0.0942	0.0444
NONVOLATILE BETA	15	PCI/G	13.2		3.1	4.63	11.2		3.19	5.26	11.3		2.94	4.59	14.2		3.43	5.4
POTASSIUM-40	14	PCI/G	12.7		1.5	0.22	11.8		1.45	0.323	10.3		1.13	0.159	13.5		1.52	0.225
RADIUM-226	0.75	PCI/G	0.459	/J	0.227	0.225	0.42	/J	0.272	0.371	0.281	/J	0.18	0.188	0.583		0.255	0.079
STRONTIUM-90	0.056	PCI/G	0.145	/U	0.316	0.681	0.352	/U	0.36	0.737	0.275	/U	0.377	0.792	0.379	/U	0.354	0.718
THALLIUM-208	0.22	PCI/G	0.126	/J	0.0336	0.0248	0.173	/J	0.0442	0.0275	0.123	/J	0.0269	0.0173	0.161	/J	0.0384	0.0224
THORIUM-234	0.78	PCI/G	0.961	/J	0.634	0.612	1.36	/J	1.07	0.944	0.37	/U	0.566	0.587	0.448	/U	0.844	0.865
URANIUM-235	0.039	PCI/G	0.0682	/U	0.0847	0.149	0.0503	/U	0.0941	0.172	0.0721	/U	0.0521	0.0953	0.0725	/U	0.102	0.132
URANIUM-238	0.65	PCI/G	0.961	/J	0.634	0.612	1.34		1.07	0.944	0.37	/U	0.566	0.587	0.448	/U	0.844	0.865
WEIGHT OF SAMPLE, A		MG	38.9		NA	0.0	32.5		NA	0.0	45.9		NA	0.0	38.3		NA	0.0
WEIGHT OF SAMPLE, SR		MG	6.7		NA	0.0	6.1		NA	0.0	6.6		NA	0.0	6.4		NA	0.0

Table C1.4
LEHR Environmental Restoration
Analytical Results For DPI Phase B

RADs

Lab_chem	Background Levels	Units	LEHR-SS-DP-0139 D-30, IR, 0 '				LEHR-SS-DP-0140 E-7, RE.C, 0 '				LEHR-SS-DP-0141 E-7, RR, 0 '				LEHR-SS-DP-0142 E-7, IF, 0 '			
			Value		Uncert	MDA	Value		Uncert	MDA	Value		Uncert	MDA	Value		Uncert	MDA
ACTINIUM-228	0.64	PCI/G	0.512		0.128	0.0993	0.433	/J	0.126	0.0913	0.416	/J	0.114	0.0851	0.499	/J	0.137	0.0848
BISMUTH-212	0.43	PCI/G	0.628	/J	0.209	0.191	0.47	/J	0.203	0.197	0.373	/J	0.207	0.201	0.258	/J	0.191	0.199
BISMUTH-214	0.54	PCI/G	0.351		0.0897	0.0476	0.463		0.0823	0.0459	0.504		0.0916	0.0413	0.475		0.091	0.0458
CARBON-14	0.13	PCI/G	0.313	/U	0.559	0.949	0.82	/U	0.581	0.959	0.5	/U	0.556	0.927	0.268	/U	0.559	0.955
CESIUM-137	0.012	PCI/G	0.0359	/J	0.0198	0.0276	0.0228	/U	0.0204	0.0247	0.072	/J	0.0241	0.026	0.0185	/U	0.0157	0.0288
COBALT-60	0.006	PCI/G	0.0094	/U	0.0184	0.0333	-0.0022	/U	0.0159	0.0284	0.0034	/U	0.0159	0.0291	0.0129	/U	0.016	0.0303
GROSS ALPHA	8.7	PCI/G	4.99	/J	2.89	4.42	8.68		3.16	3.05	5.37		2.66	3.04	7.74		2.98	2.93
LEAD-210	1.6	PCI/G	0.0	/U	1.44	2.29	0.0386	/U	2.67	2.33	0.778	/U	1.61	2.49	1.99	/U	1.57	2.47
LEAD-212	0.7	PCI/G	0.538		0.0858	0.0384	0.535		0.0736	0.0387	0.534		0.0758	0.0351	0.58		0.0824	0.0361
LEAD-214	0.58	PCI/G	0.535		0.104	0.0452	0.605		0.1	0.0447	0.528		0.0905	0.0421	0.597		0.0959	0.0419
NONVOLATILE BETA	15	PCI/G	12.8		3.54	6.07	12.1		3.06	4.87	12.3		3.15	4.86	13.4		3.16	4.77
POTASSIUM-40	14	PCI/G	13.1		1.47	0.25	13.5		1.59	0.224	12.6		1.5	0.24	13		1.48	0.221
RADIUM-226	0.75	PCI/G	0.456	/J	0.223	0.0772	0.569		0.255	0.2	0.392	/J	0.271	0.363	0.171	/U	0.193	0.307
STRONTIUM-90	0.056	PCI/G	-0.0143	/U	0.264	0.599	0.196	/U	0.362	0.771	0.149	/U	0.303	0.65	0.163	/U	0.365	0.784
THALLIUM-208	0.22	PCI/G	0.168	/J	0.0425	0.0274	0.176	/J	0.0339	0.0274	0.159	/J	0.0361	0.0246	0.159	/J	0.0341	0.0273
THORIUM-234	0.78	PCI/G	0.579	/U	0.785	0.722	0.124	/U	0.627	0.756	0.544	/U	0.764	0.686	0.273	/U	0.693	0.757
URANIUM-235	0.039	PCI/G	0.128	/U	0.0856	0.147	0.0	/U	0.0815	0.142	0.0621	/U	0.11	0.131	0.065	/U	0.0776	0.137
URANIUM-238	0.65	PCI/G	0.579	/U	0.785	0.722	0.124	/U	0.627	0.756	0.544	/U	0.764	0.686	0.273	/U	0.693	0.757
WEIGHT OF SAMPLE, A		MG	40.7		NA	0.0	40.7		NA	0.0	36.6		NA	0.0	35.9		NA	0.0
WEIGHT OF SAMPLE, SR		MG	7.2		NA	0.0	6.4		NA	0.0	7.8		NA	0.0	6.3		NA	0.0

Table C1.4
LEHR Environmental Restoration
Analytical Results For DPI Phase B

RADs

Lab_chem	Background Levels	Units	LEHR-SS-DP-0143 E-7, P, 0 '				LEHR-SS-DP-0144 G-32, RE.C, 0 '				LEHR-SS-DP-0145 G-32, LR (RR), 0 '				LEHR-SS-DP-0146 G-32, RI.C, 0 '			
			Value		Uncert	MDA	Value		Uncert	MDA	Value		Uncert	MDA	Value		Uncert	MDA
ACTINIUM-228	0.64	PCI/G	0.432	/J	0.113	0.0732	0.51		0.16	0.125	0.594		0.179	0.111	0.457	/J	0.12	0.0818
BISMUTH-212	0.43	PCI/G	0.309	/J	0.187	0.157	0.137	/U	0.232	0.292	**0.478**	/J	0.256	0.239	0.33	/J	0.195	0.162
BISMUTH-214	0.54	PCI/G	0.413		0.0726	0.0383	0.428		0.124	0.0633	0.521		0.0973	0.0592	0.428		0.0832	0.0471
CARBON-14	0.13	PCI/G	0.742	/U	0.548	0.905	-0.345	/U	0.596	1.07	-0.292	/U	0.613	1.09	0.304	/U	0.543	0.924
CESIUM-137	0.012	PCI/G	0.0042	/U	0.012	0.0214	**0.0445**	/J	0.0321	0.0314	0.0296	/U	0.0171	0.0348	**0.0851**	/J	0.0338	0.0242
COBALT-60	0.006	PCI/G	0.0046	/U	0.0127	0.0232	0.0001	/U	0.0209	0.039	-0.0004	/U	0.0188	0.035	-0.0082	/U	0.0146	0.0241
GROSS ALPHA	8.7	PCI/G	**9.31**		3.34	3.13	6.99		2.96	2.9	5.78		2.6	2.63	**9.29**		3.4	3.2
LEAD-210	1.6	PCI/G	1.34	/U	1.18	2.1	-0.4	/U	2.06	3.15	-0.328	/U	2.12	3.29	1.9	/U	1.96	2.4
LEAD-212	0.7	PCI/G	0.467		0.0637	0.0308	0.572		0.0889	0.0485	0.552		0.0788	0.051	0.532		0.0757	0.0346
LEAD-214	0.58	PCI/G	0.444		0.0761	0.0373	0.527		0.109	0.0623	0.579		0.111	0.0589	0.5		0.0867	0.0451
NONVOLATILE BETA	15	PCI/G	**16.1**		3.42	5.03	**15.8**		3.23	4.61	13.7		3.25	4.98	**19**		3.53	4.93
POTASSIUM-40	14	PCI/G	11.2		1.27	0.165	11.1		1.52	0.312	13		1.62	0.307	11.3		1.3	0.227
RADIUM-226	0.75	PCI/G	0.286	/U	0.224	0.309	0.28	/U	0.219	0.302	0.379	/J	0.249	0.326	0.435	/J	0.272	0.357
STRONTIUM-90	0.056	PCI/G	-0.0599	/U	0.395	0.888	**0.656**	/J	0.324	0.538	0.171	/U	0.257	0.499	0.361	/U	0.317	0.6
THALLIUM-208	0.22	PCI/G	0.129	/J	0.0296	0.0199	0.174	/J	0.0464	0.0333	0.148	/J	0.0384	0.0347	0.124	/J	0.035	0.0263
THORIUM-234	0.78	PCI/G	0.596	/U	0.669	0.625	0.815	/U	0.998	0.998	**1.54**	/J	1.08	0.962	0.529	/U	0.794	0.739
URANIUM-235	0.039	PCI/G	0.0836	/U	0.0637	0.116	0.0989	/U	0.0985	0.18	-0.0026	/U	0.0923	0.167	0.0398	/U	0.0789	0.134
URANIUM-238	0.65	PCI/G	0.596	/U	0.669	0.625	0.815	/U	0.998	0.998	**1.54**		1.08	0.962	0.529	/U	0.794	0.739
WEIGHT OF SAMPLE, A		MG	41.6		NA	0.0	45.8		NA	0.0	36.3		NA	0.0	44.8		NA	0.0
WEIGHT OF SAMPLE, SR		MG	6.9		NA	0.0	5.3		NA	0.0	6.3		NA	0.0	6.2		NA	0.0

Table C1.4
LEHR Environmental Restoration
Analytical Results For DPI Phase B

RADs

Lab_chem	Background Levels	Units	LEHR-SS-DP-0147 G-32, RF, 0'				LEHR-SS-DP-0148 G-32, IF, 0'				LEHR-SS-DP-0149 G-32, P, 0'				LEHR-SS-DP-0150 D-25, RE.C, 0'			
			Value		Uncert	MDA	Value		Uncert	MDA	Value		Uncert	MDA	Value		Uncert	MDA
ACTINIUM-228	0.64	PCI/G	0.392	/J	0.104	0.0676	0.482	/J	0.141	0.0967	0.534		0.132	0.0912	0.0	/U	0.127	0.189
BISMUTH-212	0.43	PCI/G	0.152	/U	0.105	0.197	**0.437**	/J	0.265	0.207	0.376	/J	0.169	0.2	0.0	/U	0.158	0.322
BISMUTH-214	0.54	PCI/G	0.373		0.072	0.0381	0.493		0.0874	0.0473	0.441		0.0851	0.0497	0.252		0.0713	0.062
CARBON-14	0.13	PCI/G	**0.944**	/J	0.57	0.928	0.339	/U	0.566	0.967	0.149	/U	0.522	0.902	-0.794	/U	0.524	0.961
CESIUM-137	0.012	PCI/G	**0.113**		0.0262	0.0202	**0.0518**	/J	0.0265	0.0278	0.01	/U	0.0175	0.0276	0.0225	/U	0.0218	0.0308
COBALT-60	0.006	PCI/G	-0.0009	/U	0.0124	0.0223	0.0057	/U	0.0162	0.0306	0.0066	/U	0.0184	0.0288	0.0041	/U	0.0173	0.0326
GROSS ALPHA	8.7	PCI/G	8.32		3.31	3.24	**12.1**		3.81	3.2	**11.2**		3.65	3.19	1.2	/U	1.38	2.7
LEAD-210	1.6	PCI/G	1.6	/U	1.74	2.9	1.61	/U	4.22	3.59	0.566	/U	1.26	1.35	0.785	/U	1.93	3.15
LEAD-212	0.7	PCI/G	0.455		0.0666	0.0287	0.523		0.0785	0.0371	0.566		0.0791	0.0426	0.374		0.0686	0.047
LEAD-214	0.58	PCI/G	0.431		0.0762	0.0377	0.547		0.0913	0.0442	**0.606**		0.097	0.0465	0.317		0.0927	0.0592
NONVOLATILE BETA	15	PCI/G	14.3		3.47	5.24	**15.6**		3.43	5.02	14.6		3.46	5.34	2.05	/U	1.94	3.99
POTASSIUM-40	14	PCI/G	9.09		1.04	0.193	13.5		1.54	0.256	**14.1**		1.68	0.24	4.1		0.734	0.321
RADIUM-226	0.75	PCI/G	0.394	/J	0.258	0.345	0.537		0.24	0.188	0.553		0.241	0.185	0.144	/U	0.149	0.212
STRONTIUM-90	0.056	PCI/G	0.427	/U	0.27	0.522	**0.584**	/J	0.234	0.407	**0.567**	/J	0.306	0.555	-0.025	/U	0.247	0.501
THALLIUM-208	0.22	PCI/G	0.143	/J	0.0313	0.0188	0.158	/J	0.0392	0.0251	0.184	/J	0.0393	0.0261	0.108	/J	0.0393	0.0326
THORIUM-234	0.78	PCI/G	**0.927**	/J	0.718	0.717	0.84	/U	0.97	0.947	0.672	/J	0.609	0.656	0.594	/U	0.951	0.945
URANIUM-235	0.039	PCI/G	0.0367	/U	0.0602	0.111	0.0623	/U	0.0764	0.139	0.123	/U	0.0959	0.166	0.0455	/U	0.103	0.179
URANIUM-238	0.65	PCI/G	**0.927**	/J	0.718	0.717	0.84	/U	0.97	0.947	**0.672**	/J	0.609	0.656	0.594	/U	0.951	0.945
WEIGHT OF SAMPLE, A		MG	35.3		NA	0.0	40.1		NA	0.0	37.1		NA	0.0	16.9		NA	0.0
WEIGHT OF SAMPLE, SR		MG	9.1		NA	0.0	8.2		NA	0.0	6.7		NA	0.0	7.4		NA	0.0

Table C1.4
LEHR Environmental Restoration
Analytical Results For DPI Phase B

RADs

Lab_chem	Background Levels	Units	LEHR-SS-DP-0151 D-25, RR, 0'				LEHR-SS-DP-0152 D-25, RR, 0'				LEHR-SS-DP-0153 H-30, LC, 0'				LEHR-SS-DP-0154 H-30, RE.C, 0'			
			Value		Uncert	MDA	Value		Uncert	MDA	Value		Uncert	MDA	Value		Uncert	MDA
ACTINIUM-228	0.64	PCI/G	0.616		0.152	0.102	0.601		0.181	0.119	0.536		0.183	0.119	0.39	/J	0.175	0.118
BISMUTH-212	0.43	PCI/G	0.281	/J	0.255	0.214	0.428	/J	0.293	0.254	0.309	/J	0.222	0.267	0.175	/U	0.294	0.27
BISMUTH-214	0.54	PCI/G	0.454		0.0963	0.0531	0.438		0.106	0.0685	0.442		0.107	0.0627	0.479		0.101	0.057
CARBON-14	0.13	PCI/G	0.0559	/U	0.569	0.982	-0.279	/U	0.586	1.04	0.0724	/U	0.548	0.941	-0.0628	/U	0.637	1.11
CESIUM-137	0.012	PCI/G	0.0049	/U	0.0155	0.0257	**0.0412**	/J	0.034	0.0369	0.016	/U	0.0204	0.0361	0.0146	/U	0.0272	0.0365
COBALT-60	0.006	PCI/G	0.0026	/U	0.0171	0.0322	0.0003	/U	0.02	0.0369	-0.005	/U	0.0199	0.0343	0.0114	/U	0.0114	0.0327
GROSS ALPHA	8.7	PCI/G	6.37		2.9	3.69	6.18		2.93	4.2	6.18		3.07	4.59	3.86	/J	2.19	2.7
LEAD-210	1.6	PCI/G	1.87	/U	3.66	4.31	0.13	/U	2.28	3.4	0.0	/U	1.03	1.86	0.835	/J	0.456	0.31
LEAD-212	0.7	PCI/G	0.579		0.0883	0.0427	0.541		0.0881	0.0525	0.553		0.0932	0.0479	0.518		0.0833	0.0414
LEAD-214	0.58	PCI/G	0.487		0.0917	0.0514	0.576		0.106	0.0647	**0.585**		0.116	0.0631	0.51		0.103	0.0527
NONVOLATILE BETA	15	PCI/G	14.5		3.12	4.49	**15.8**		3.26	4.9	**18.1**		3.4	4.59	13.2		2.92	4.14
POTASSIUM-40	14	PCI/G	5.39		0.807	0.251	12		1.53	0.371	10.8		1.31	0.288	13.3		1.67	0.299
RADIUM-226	0.75	PCI/G	**0.896**		0.324	0.253	0.668		0.296	0.27	0.283	/U	0.222	0.305	0.464	/J	0.254	0.27
STRONTIUM-90	0.056	PCI/G	-0.0399	/U	0.226	0.462	-0.0813	/U	0.239	0.436	**0.675**	/J	0.231	0.389	0.424	/U	0.33	0.618
THALLIUM-208	0.22	PCI/G	0.162	/J	0.0435	0.0263	0.154	/J	0.0452	0.0352	0.12	/J	0.0467	0.0347	0.205		0.0472	0.0335
THORIUM-234	0.78	PCI/G	0.849	/U	1.12	0.93	0.708	/U	0.932	0.972	0.275	/U	1.03	0.909	0.508	/J	0.34	0.38
URANIUM-235	0.039	PCI/G	0.0456	/U	0.0795	0.145	-0.0112	/U	0.11	0.189	0.0727	/U	0.105	0.181	0.0264	/U	0.0796	0.15
URANIUM-238	0.65	PCI/G	0.849	/U	1.12	0.93	0.708	/U	0.932	0.972	0.275	/U	1.03	0.909	0.508	/J	0.34	0.38
WEIGHT OF SAMPLE, A		MG	45.7		NA	0.0	43.6		NA	0.0	40.2		NA	0.0	43		NA	0.0
WEIGHT OF SAMPLE, SR		MG	6.9		NA	0.0	6		NA	0.0	7.6		NA	0.0	6.3		NA	0.0

Table C1.4
LEHR Environmental Restoration
Analytical Results For DPI Phase B

RADs

Lab_chem	Background Levels	Units	LEHR-SS-DP-0155 H-30, RR, 0 '				LEHR-SS-DP-0156 H-30, P, 0 '				LEHR-SS-DP-0157 H-30, IR, 0 '				LEHR-SS-DP-0158 H-32, R, 0 '			
			Value		Uncert	MDA	Value		Uncert	MDA	Value		Uncert	MDA	Value		Uncert	MDA
ACTINIUM-228	0.64	PCI/G	0.436	/J	0.126	0.0744	0.345	/J	0.142	0.0983	0.533		0.119	0.0808	0.474	/J	0.145	0.0825
BISMUTH-212	0.43	PCI/G	**0.445**	/J	0.162	0.149	0.327	/J	0.187	0.205	0.43	/J	0.178	0.174	0.279	/J	0.137	0.186
BISMUTH-214	0.54	PCI/G	0.467		0.073	0.0374	0.4		0.0839	0.0487	0.443		0.0769	0.0388	**1.09**		0.159	0.0439
CARBON-14	0.13	PCI/G	-0.265	/U	0.583	1.03	-0.754	/U	0.552	1.01	-0.329	/U	0.573	1.02	-0.505	/U	0.619	1.11
CESIUM-137	0.012	PCI/G	**0.0918**	/J	0.0259	0.0217	0.022	/U	0.0202	0.0255	**0.0402**	/J	0.0239	0.0224	**0.076**	/J	0.0244	0.0225
COBALT-60	0.006	PCI/G	0.0135	/U	0.0129	0.0244	0.006	/U	0.0159	0.0315	0.0006	/U	0.0153	0.0266	0.0091	/U	0.0153	0.0279
GROSS ALPHA	8.7	PCI/G	6.44		2.89	3.25	5.68		2.78	3.18	5.27		2.66	3.16	6		2.66	2.93
LEAD-210	1.6	PCI/G	2.11	/U	4.13	6.39	-0.14	/U	1.69	2.72	2.11	/U	2.9	4.72	0.942	/U	0.851	1.4
LEAD-212	0.7	PCI/G	0.528		0.0713	0.0319	0.452		0.0698	0.0409	0.502		0.0765	0.0352	0.501		0.0713	0.0401
LEAD-214	0.58	PCI/G	0.517		0.0827	0.0374	0.426		0.0828	0.0569	0.568		0.0952	0.0447	**1.41**		0.187	0.0469
NONVOLATILE BETA	15	PCI/G	**17.1**		3.36	4.83	8.64		3	5.14	**16.4**		3.38	4.81	9.47		2.86	4.81
POTASSIUM-40	14	PCI/G	11.3		1.3	0.206	10.1		1.31	0.245	12.1		1.38	0.218	11.9		1.42	0.227
RADIUM-226	0.75	PCI/G	0.5		0.225	0.0714	0.29	/J	0.213	0.284	0.65		0.361	0.449	**1.88**		0.509	0.404
STRONTIUM-90	0.056	PCI/G	-0.0374	/U	0.354	0.639	0.206	/U	0.273	0.561	0.245	/U	0.276	0.562	0.168	/U	0.263	0.546
THALLIUM-208	0.22	PCI/G	0.16	/J	0.0311	0.0204	0.126	/J	0.0361	0.029	0.152	/J	0.0305	0.0224	0.148	/J	0.0348	0.0228
THORIUM-234	0.78	PCI/G	0.994	/U	0.999	0.996	0.722	/U	0.951	0.873	0.68	/U	0.978	0.946	0.262	/U	0.729	0.662
URANIUM-235	0.039	PCI/G	0.0675	/U	0.0656	0.115	0.0858	/U	0.0824	0.156	0.0306	/U	0.0725	0.132	0.0963	/U	0.0876	0.156
URANIUM-238	0.65	PCI/G	0.994	/U	0.999	0.996	0.722	/U	0.951	0.873	0.68	/U	0.978	0.946	0.262	/U	0.729	0.662
WEIGHT OF SAMPLE, A		MG	48.8		NA	0.0	35.5		NA	0.0	43.6		NA	0.0	39.4		NA	0.0
WEIGHT OF SAMPLE, SR		MG	4.2		NA	0.0	7.2		NA	0.0	8.1		NA	0.0	8		NA	0.0

Table C1.4
LEHR Environmental Restoration
Analytical Results For DPI Phase B

RADs

Lab_chem	Background Levels	Units	LEHR-SS-DP-0159 H-32, RE.C, 0'				LEHR-SS-DP-0160 H-32, RR, 0'				LEHR-SS-DP-0161 H-32, RI.C, 0'				LEHR-SS-DP-0162 H-32, IF, 0'			
			Value		Uncert	MDA	Value		Uncert	MDA	Value		Uncert	MDA	Value		Uncert	MDA
ACTINIUM-228	0.64	PCI/G	0.491	/J	0.14	0.109	0.4	/J	0.151	0.106	0.586		0.187	0.107	0.408	/J	0.102	0.0587
BISMUTH-212	0.43	PCI/G	0.372	/J	0.231	0.246	0.308	/J	0.223	0.244	0.3	/J	0.215	0.225	**0.588**	/J	0.167	0.13
BISMUTH-214	0.54	PCI/G	**0.708**		0.122	0.055	**0.627**		0.117	0.0514	**0.929**		0.15	0.0554	0.471		0.0698	0.0303
CARBON-14	0.13	PCI/G	-0.349	/U	0.584	1.05	-0.429	/U	0.598	1.07	-0.113	/U	0.584	1.03	-0.318	/U	0.583	1.03
CESIUM-137	0.012	PCI/G	**0.0551**	/J	0.0329	0.0335	**0.0436**	/J	0.0238	0.0306	**0.0379**	/J	0.0261	0.034	-0.0004	/U	0.0097	0.0168
COBALT-60	0.006	PCI/G	0.0069	/U	0.0181	0.0343	0.0126	/U	0.0181	0.0342	0.0067	/U	0.0171	0.0331	-0.0053	/U	0.0108	0.0183
GROSS ALPHA	8.7	PCI/G	6.4		2.69	2.97	3.8	/U	2.68	4.72	8.26		2.99	3	3.56	/J	2.13	2.5
LEAD-210	1.6	PCI/G	0.341	/U	1.6	2.62	0.735	/U	1.63	2.97	2.69	/U	3.36	2.86	2.74	/U	3.35	5.26
LEAD-212	0.7	PCI/G	0.515		0.0877	0.048	0.499		0.0771	0.0468	0.464		0.0748	0.0486	0.505		0.0658	0.0245
LEAD-214	0.58	PCI/G	**0.844**		0.142	0.0572	**0.626**		0.11	0.0588	**1.15**		0.171	0.0548	**0.612**		0.0902	0.0303
NONVOLATILE BETA	15	PCI/G	11.6		2.92	4.52	14.9		3.3	4.99	12.3		3.33	5.56	14.1		3.21	4.67
POTASSIUM-40	14	PCI/G	11		1.37	0.328	11.5		1.39	0.285	11.4		1.39	0.318	11.9		1.32	0.165
RADIUM-226	0.75	PCI/G	0.627		0.281	0.22	0.412	/J	0.234	0.255	**1.07**		0.366	0.226	0.694		0.3	0.269
STRONTIUM-90	0.056	PCI/G	0.0447	/U	0.276	0.594	0.0752	/U	0.223	0.442	0.225	/U	0.236	0.453	0.0442	/U	0.344	0.687
THALLIUM-208	0.22	PCI/G	0.137	/J	0.039	0.0311	0.139	/J	0.0375	0.0294	0.12	/J	0.0441	0.0321	0.151	/J	0.0279	0.0164
THORIUM-234	0.78	PCI/G	0.649	/U	0.917	0.916	0.45	/U	0.961	0.964	**1.6**	/J	1.16	0.939	0.204	/U	0.822	0.796
URANIUM-235	0.039	PCI/G	0.0478	/U	0.0926	0.17	0.0234	/U	0.0981	0.169	0.0187	/U	0.0935	0.17	0.0726	/U	0.054	0.0941
URANIUM-238	0.65	PCI/G	0.649	/U	0.917	0.916	0.45	/U	0.961	0.964	**1.6**		1.16	0.939	0.204	/U	0.822	0.796
WEIGHT OF SAMPLE, A		MG	32.7		NA	0.0	38.5		NA	0.0	36.1		NA	0.0	41.5		NA	0.0
WEIGHT OF SAMPLE, SR		MG	7.9		NA	0.0	7.6		NA	0.0	8		NA	0.0	6.4		NA	0.0

Table C1.4
LEHR Environmental Restoration
Analytical Results For DPI Phase B

RADs

Lab_chem	Background Levels	Units	LEHR-SS-DP-0163 H-32, P, 0'				LEHR-SS-DP-0164 I-12, LR, 0'				LEHR-SS-DP-0165 I-12, RE.C, 0'				LEHR-SS-DP-0166 I-12, RR, 0'			
			Value		Uncert	MDA	Value		Uncert	MDA	Value		Uncert	MDA	Value		Uncert	MDA
ACTINIUM-228	0.64	PCI/G	0.316	/J	0.126	0.111	0.542		0.158	0.11	0.0	/U	0.148	0.21	0.391	/J	0.14	0.111
BISMUTH-212	0.43	PCI/G	0.38	/J	0.218	0.205	0.337	/J	0.282	0.244	**0.469**	/J	0.228	0.231	**0.441**	/J	0.253	0.252
BISMUTH-214	0.54	PCI/G	0.401		0.0882	0.0588	0.402		0.0902	0.0578	0.435		0.0852	0.056	0.445		0.092	0.0662
CARBON-14	0.13	PCI/G	-0.338	/U	0.603	1.07	-0.477	/U	0.587	1.05	-0.761	/U	0.632	1.15	-0.593	/U	0.607	1.09
CESIUM-137	0.012	PCI/G	-0.0076	/U	0.0154	0.0269	**0.073**	/J	0.0309	0.0379	**0.0946**	/J	0.0283	0.0317	**0.0756**	/J	0.0291	0.0355
COBALT-60	0.006	PCI/G	0.0	/U	0.0174	0.0326	0.0176	/U	0.0199	0.0396	0.0099	/U	0.0208	0.0385	0.0	/U	0.0173	0.0286
GROSS ALPHA	8.7	PCI/G	4.78	/J	3.3	4.66	4.98	/J	3.23	3.92	4.44	/J	2.93	3.85	3.81	/U	2.72	3.85
LEAD-210	1.6	PCI/G	-0.322	/U	1.8	2.86	1.01	/U	2.14	2.94	1.76	/U	2.84	3.24	1.31	/U	2.74	2.98
LEAD-212	0.7	PCI/G	0.322		0.0687	0.0576	0.502		0.0861	0.045	0.571		0.0876	0.0484	0.523		0.083	0.0472
LEAD-214	0.58	PCI/G	0.491		0.102	0.0545	0.512		0.113	0.0587	0.567		0.107	0.0536	**0.612**		0.116	0.0576
NONVOLATILE BETA	15	PCI/G	14.9		4.31	6.88	**15.1**		4.12	6.08	**16.4**		3.96	5.71	8.76		3.4	5.98
POTASSIUM-40	14	PCI/G	10.2		1.32	0.345	11.8		1.45	0.296	11.2		1.39	0.288	11.6		1.43	0.344
RADIUM-226	0.75	PCI/G	0.457	/J	0.241	0.25	0.138	/U	0.143	0.203	0.578		0.27	0.256	0.253	/U	0.24	0.369
STRONTIUM-90	0.056	PCI/G	0.002	/U	0.382	0.819	0.502	/U	0.336	0.639	-0.0341	/U	0.293	0.634	0.126	/U	0.293	0.608
THALLIUM-208	0.22	PCI/G	0.126	/J	0.0399	0.0279	0.146	/J	0.0483	0.0331	0.146	/J	0.0395	0.0309	0.155	/J	0.0474	0.0314
THORIUM-234	0.78	PCI/G	0.322	/U	0.618	0.868	**0.904**	/J	1.06	0.85	0.0	/U	0.636	1.11	0.611	/U	0.936	0.958
URANIUM-235	0.039	PCI/G	0.0104	/U	0.0839	0.155	0.0302	/U	0.169	0.176	0.101	/U	0.106	0.184	0.0711	/U	0.0968	0.177
URANIUM-238	0.65	PCI/G	0.322	/U	0.618	0.868	**0.904**		1.06	0.85	0.0	/U	0.636	1.11	0.611	/U	0.936	0.958
WEIGHT OF SAMPLE, A		MG	41.9		NA	0.0	39.2		NA	0.0	43		NA	0.0	38.7		NA	0.0
WEIGHT OF SAMPLE, SR		MG	5.4		NA	0.0	6.6		NA	0.0	6.7		NA	0.0	7		NA	0.0

Table C1.4
LEHR Environmental Restoration
Analytical Results For DPI Phase B

RADs

Lab_chem	Background Levels	Units	LEHR-SS-DP-0167 I-12, RF, 0'				LEHR-SS-DP-0168 I-12, P, 0'				LEHR-SS-DP-0169 I-23, LR, 0'				LEHR-SS-DP-0170 I-23, R, 0'			
			Value		Uncert	MDA	Value		Uncert	MDA	Value		Uncert	MDA	Value		Uncert	MDA
ACTINIUM-228	0.64	PCI/G	0.427	/J	0.11	0.0619	0.467	/J	0.152	0.0956	0.607		0.141	0.0999	0.577		0.17	0.0979
BISMUTH-212	0.43	PCI/G	0.383	/J	0.128	0.145	0.364	/J	0.183	0.194	0.358	/J	0.222	0.204	**0.454**	/J	0.233	0.206
BISMUTH-214	0.54	PCI/G	0.485		0.075	0.0312	0.475		0.0922	0.0454	**0.549**		0.0915	0.0474	0.533		0.0971	0.0529
CARBON-14	0.13	PCI/G	-0.352	/U	0.593	1.05	-0.0961	/U	0.627	1.09	0.109	/U	0.645	1.11	-0.389	/U	0.63	1.12
CESIUM-137	0.012	PCI/G	**0.0396**	/J	0.0195	0.0182	0.0103	/U	0.0308	0.0282	-0.0002	/U	0.0154	0.0268	0.0058	/U	0.0212	0.0301
COBALT-60	0.006	PCI/G	-0.0001	/U	0.0137	0.0209	0.0053	/U	0.0176	0.0311	-0.0088	/U	0.0171	0.0282	0.0097	/U	0.0175	0.0337
GROSS ALPHA	8.7	PCI/G	5.33		3.21	4.29	3.6	/J	2.03	2.81	7.15		3.37	4.32	3.94	/J	2.73	3.66
LEAD-210	1.6	PCI/G	0.164	/U	3.76	5.84	2.17	/U	2.97	5.07	1.25	/U	1.59	1.37	1.58	/U	3.33	3.66
LEAD-212	0.7	PCI/G	0.486		0.0648	0.0274	0.519		0.0818	0.0552	0.658		0.0877	0.0399	0.592		0.0882	0.0389
LEAD-214	0.58	PCI/G	0.47		0.0728	0.0332	0.57		0.0974	0.0465	0.566		0.0914	0.0539	**0.604**		0.109	0.0516
NONVOLATILE BETA	15	PCI/G	14.8		3.69	5.39	13.5		2.81	4.29	**15.9**		3.64	5.36	12.9		3.6	5.41
POTASSIUM-40	14	PCI/G	11		1.23	0.171	12.9		1.48	0.236	13.6		1.62	0.244	11.4		1.34	0.271
RADIUM-226	0.75	PCI/G	0.0654	/U	0.203	0.393	0.325	/U	0.249	0.356	0.523		0.27	0.297	0.574		0.288	0.329
STRONTIUM-90	0.056	PCI/G	0.312	/U	0.353	0.731	-0.128	/U	0.387	0.888	0.0559	/U	0.399	0.881	-0.0195	/U	0.224	0.507
THALLIUM-208	0.22	PCI/G	0.139	/J	0.0277	0.0188	0.139	/J	0.0375	0.0256	0.184	/J	0.0396	0.0249	0.196	/J	0.0404	0.0275
THORIUM-234	0.78	PCI/G	0.743	/U	0.816	0.866	0.981	/U	0.913	1.01	**1.34**	/J	0.801	0.637	0.522	/U	0.8	0.982
URANIUM-235	0.039	PCI/G	0.0664	/U	0.0575	0.102	0.0212	/U	0.0788	0.14	0.129	/U	0.0911	0.159	0.0706	/U	0.108	0.152
URANIUM-238	0.65	PCI/G	0.743	/U	0.816	0.866	0.981	/U	0.913	1.01	**1.34**		0.801	0.637	0.522	/U	0.8	0.982
WEIGHT OF SAMPLE, A		MG	42.9		NA	0.0	44.9		NA	0.0	48.5		NA	0.0	44.1		NA	0.0
WEIGHT OF SAMPLE, SR		MG	6.7		NA	0.0	6.1		NA	0.0	6.4		NA	0.0	8		NA	0.0

Table C1.4
LEHR Environmental Restoration
Analytical Results For DPI Phase B

RADs

Lab_chem	Background Levels	Units	LEHR-SS-DP-0171 I-23, RF, 0 '				LEHR-SS-DP-0172 I-23, RF (FD), 0 '				LEHR-SS-DP-0173 I-23, P, 0 '				LEHR-SS-DP-0174 I-23, IR, 0 '			
			Value		Uncert	MDA	Value		Uncert	MDA	Value		Uncert	MDA	Value		Uncert	MDA
ACTINIUM-228	0.64	PCI/G	0.333	/J	0.125	0.0779	0.519		0.141	0.0779	0.382	/J	0.0867	0.0484	0.496	/J	0.128	0.0925
BISMUTH-212	0.43	PCI/G	0.337	/J	0.214	0.175	0.338	/J	0.179	0.186	0.282	/J	0.0927	0.0987	0.415	/J	0.157	0.216
BISMUTH-214	0.54	PCI/G	0.401		0.0809	0.04	0.465		0.0795	0.0425	0.34		0.0562	0.0273	0.417		0.085	0.0493
CARBON-14	0.13	PCI/G	-0.0746	/U	0.659	1.15	0.551	/U	0.653	1.11	0.53	/U	0.637	1.07	1.01	/U	0.703	1.16
CESIUM-137	0.012	PCI/G	0.0276	/J	0.0308	0.0218	0.0675	/J	0.0274	0.0247	0.0039	/U	0.0083	0.0131	0.0665	/J	0.0295	0.0267
COBALT-60	0.006	PCI/G	0.0046	/U	0.0147	0.0261	0.0017	/U	0.0133	0.0244	0.0063	/U	0.008	0.0146	0.0062	/U	0.0147	0.0269
GROSS ALPHA	8.7	PCI/G	2.59	/U	2.48	4.48	6.2		3.61	5.39	8.24		4.16	5.83	6.35		3.3	4.05
LEAD-210	1.6	PCI/G	1.49	/U	3.99	4.79	0.304	/U	1.8	2.2	0.0621	/U	0.777	0.711	0.673	/U	2.23	2.62
LEAD-212	0.7	PCI/G	0.456		0.0715	0.034	0.517		0.0734	0.0339	0.337		0.0452	0.0234	0.549		0.0789	0.0418
LEAD-214	0.58	PCI/G	0.49		0.0938	0.0406	0.492		0.0845	0.0403	0.409		0.0629	0.0247	0.52		0.0927	0.0472
NONVOLATILE BETA	15	PCI/G	14.8		3.69	5.39	12.4		3.82	6.37	11.5		3.59	5.76	12.9		3.42	5.01
POTASSIUM-40	14	PCI/G	9.85		1.26	0.277	11.2		1.34	0.231	8.82		1.02	0.115	11.5		1.36	0.232
RADIUM-226	0.75	PCI/G	0.617		0.299	0.317	0.443	/J	0.234	0.242	0.298	/U	0.248	0.359	0.654		0.308	0.32
STRONTIUM-90	0.056	PCI/G	0.1	/U	0.283	0.614	0.198	/U	0.267	0.561	0.0206	/U	0.339	0.752	0.0459	/U	0.27	0.598
THALLIUM-208	0.22	PCI/G	0.135	/J	0.0355	0.0202	0.167	/J	0.0381	0.023	0.112	/J	0.0219	0.0122	0.184	/J	0.0342	0.0239
THORIUM-234	0.78	PCI/G	0.058	/U	0.93	0.861	0.41	/U	0.7	0.668	0.333	/U	0.397	0.342	0.205	/U	0.853	0.824
URANIUM-235	0.039	PCI/G	0.0504	/U	0.0695	0.12	0.0078	/U	0.0668	0.119	0.0414	/U	0.0465	0.0841	0.11	/U	0.0907	0.154
URANIUM-238	0.65	PCI/G	0.058	/U	0.93	0.861	0.41	/U	0.7	0.668	0.333	/U	0.397	0.342	0.205	/U	0.853	0.824
WEIGHT OF SAMPLE, A		MG	36.8		NA	0.0	40.9		NA	0.0	43.6		NA	0.0	41.3		NA	0.0
WEIGHT OF SAMPLE, SR		MG	7.3		NA	0.0	9.5		NA	0.0	7.6		NA	0.0	8.1		NA	0.0

Table C1.4
LEHR Environmental Restoration
Analytical Results For DPI Phase B

RADs

Lab_chem	Background Levels	Units	LEHR-SS-DP-0175 J-23, LR, 0'				LEHR-SS-DP-0176 J-23, R, 0'				LEHR-SS-DP-0177 J-23, RE.C, 0'				LEHR-SS-DP-0178 J-23, P, 0'			
			Value		Uncert	MDA	Value		Uncert	MDA	Value		Uncert	MDA	Value		Uncert	MDA
ACTINIUM-228	0.64	PCI/G	0.566		0.16	0.089	0.409	/J	0.125	0.101	0.5		0.114	0.0872	0.334	/J	0.0965	0.0713
BISMUTH-212	0.43	PCI/G	0.272	/J	0.278	0.211	0.266	/J	0.179	0.204	0.355	/J	0.142	0.163	0.352	/J	0.185	0.155
BISMUTH-214	0.54	PCI/G	0.485		0.0928	0.0483	0.485		0.0909	0.0497	0.464		0.0822	0.043	0.411		0.0712	0.0351
CARBON-14	0.13	PCI/G	-0.28	/U	0.629	1.12	-0.23	/U	0.707	1.24	-0.515	/U	0.626	1.13	-0.0634	/U	0.658	1.15
CESIUM-137	0.012	PCI/G	0.0584	/J	0.0275	0.0246	0.0788	/J	0.0293	0.0284	0.0284	/J	0.0365	0.0224	0.0017	/U	0.0107	0.0197
COBALT-60	0.006	PCI/G	0.0077	/U	0.0182	0.034	0.0054	/U	0.0174	0.0323	0.001	/U	0.0172	0.0295	-0.0074	/U	0.0133	0.023
GROSS ALPHA	8.7	PCI/G	4.2	/J	2.9	3.94	2.92	/J	2.28	2.66	6.99		3.6	3.75	6.3		3.52	4.79
LEAD-210	1.6	PCI/G	1.57	/U	3.14	2.37	1.79	/U	2.34	2.4	1.16	/U	3.07	4.76	1.78	/U	1.67	2.87
LEAD-212	0.7	PCI/G	0.524		0.0752	0.0403	0.528		0.0775	0.0416	0.55		0.0818	0.0367	0.387		0.06	0.0286
LEAD-214	0.58	PCI/G	0.618		0.102	0.0489	0.516		0.0943	0.0523	0.544		0.0933	0.0439	0.415		0.0743	0.0372
NONVOLATILE BETA	15	PCI/G	14.6		3.52	4.95	14		3.81	5.83	14.8		4	6.13	8.7		3.21	5.53
POTASSIUM-40	14	PCI/G	13.2		1.58	0.228	11.8		1.38	0.264	12.8		1.46	0.217	8.71		1.01	0.183
RADIUM-226	0.75	PCI/G	0.532		0.274	0.302	0.288	/J	0.185	0.193	0.476	/J	0.269	0.108	0.731		0.347	0.116
STRONTIUM-90	0.056	PCI/G	0.263	/U	0.307	0.636	-0.0156	/U	0.284	0.637	-0.107	/U	0.277	0.644	-0.0269	/U	0.32	0.727
THALLIUM-208	0.22	PCI/G	0.149	/J	0.0403	0.0263	0.138	/J	0.0359	0.0269	0.148	/J	0.0362	0.0225	0.087	/J	0.0251	0.0221
THORIUM-234	0.78	PCI/G	0.141	/U	0.741	0.803	0.382	/U	0.81	0.796	0.294	/U	0.842	0.944	1.46	/J	0.93	0.681
URANIUM-235	0.039	PCI/G	0.021	/U	0.0807	0.142	0.0827	/U	0.0848	0.152	0.0434	/U	0.0755	0.134	0.0886	/U	0.111	0.113
URANIUM-238	0.65	PCI/G	0.141	/U	0.741	0.803	0.382	/U	0.81	0.796	0.294	/U	0.842	0.944	1.46		0.93	0.681
WEIGHT OF SAMPLE, A		MG	45.3		NA	0.0	37.9		NA	0.0	42.2		NA	0.0	45.8		NA	0.0
WEIGHT OF SAMPLE, SR		MG	7.3		NA	0.0	7.8		NA	0.0	7.2		NA	0.0	6		NA	0.0

Table C1.4
LEHR Environmental Restoration
Analytical Results For DPI Phase B

RADs

Lab_chem	Background Levels	Units	LEHR-SS-DP-0179 J-24, LR, 0 '			LEHR-SS-DP-0180 J-24, LR (FD), 0 '			LEHR-SS-DP-0181 J-24, RE.C, 0 '			LEHR-SS-DP-0182 J-24, RR, 0 '		
			Value	Uncert	MDA	Value	Uncert	MDA	Value	Uncert	MDA	Value	Uncert	MDA
ACTINIUM-228	0 64	PCI/G	0.548	0 157	0.104	0.567	0 157	0 108	0 454 /J	0 128	0 0982	0 521	0 15	0 107
BISMUTH-212	0 43	PCI/G	**0.512** /J	0 247	0 224	**0.524** /J	0.25	0 224	0 274 /J	0 182	0.206	0 283 /J	0 235	0 23
BISMUTH-214	0 54	PCI/G	0.46	0 0857	0.0597	0.535	0 1	0 0513	0 539	0 0897	0.0497	0.515	0.0985	0 0543
CARBON-14	0.13	PCI/G	-0.421 /U	0 641	1.14	-0.234 /U	0 679	1 2	-0 146 /U	0 647	1 12	-0 256 /U	0.635	1 12
CESIUM-137	0.012	PCI/G	**0.0528** /J	0 0278	0.0302	**0.0312** /J	0 0252	0.0285	**0.0342** /J	0.0224	0.0277	**0.0617** /J	0.0295	0.0298
COBALT-60	0 006	PCI/G	0.0052 /U	0 0196	0.035	0.0009 /U	0 0194	0 035	0 0112 /U	0 0125	0 0302	0.0087 /U	0 0179	0.0333
GROSS ALPHA	8 7	PCI/G	7 04	3.76	4.61	**9.23**	3.78	3 33	7 57	3 84	4 6	5 89	3 54	5 12
LEAD-210	1.6	PCI/G	2 67 /U	3.17	2 85	0.326 /U	1.95	2.95	1 1 /U	2 19	2 56	1.62 /U	1.56	2.51
LEAD-212	0.7	PCI/G	0.52	0 0785	0 0461	0.548	0 0826	0 0447	0 577	0 0799	0 0391	0.537	0.0885	0.0438
LEAD-214	0.58	PCI/G	0.556	0 101	0.0571	**0.62**	0 102	0 0552	0 575	0 0962	0 0485	0.53	0 0972	0.0505
NONVOLATILE BETA	15	PCI/G	10 4	3 91	6 84	14	3 55	5 22	**16.5**	4 34	6 81	13	4 02	6 86
POTASSIUM-40	14	PCI/G	13 1	1 54	0 28	13.4	1 56	0 309	12 2	1 44	0.218	12 3	1 46	0.272
RADIUM-226	0.75	PCI/G	0.583	0 295	0 105	0.489 /J	0 321	0 406	0 446 /J	0 308	0 377	0 467 /J	0.264	0 106
STRONTIUM-90	0 056	PCI/G	-0.221 /U	0 344	0 849	0 168 /U	0 333	0 729	-0 0606 /U	0 292	0.668	-0 182 /U	0.36	0 838
THALLIUM-208	0 22	PCI/G	0 149 /J	0 0413	0.0278	0 13 /J	0 0456	0 034	0 128 /J	0 044	0 0262	0 192 /J	0 0472	0.0273
THORIUM-234	0.78	PCI/G	**1.16** /J	1 03	0.916	0.357 /U	0.801	0.896	0 285 /U	0 911	0 838	0 529 /U	1 01	0 832
URANIUM-235	0 039	PCI/G	0 0753 /U	0 102	0 172	0.113 /U	0.0891	0 158	**0.166** /J	0 175	0 155	0 0219 /U	0.138	0 154
URANIUM-238	0.65	PCI/G	**1.16**	1 03	0.916	0.357 /U	0.801	0 896	0 285 /U	0 911	0 838	0 529 /U	1 01	0 832
WEIGHT OF SAMPLE, A		MG	37 5	NA	0 0	44	NA	0.0	39 4	NA	0 0	42.7	NA	0 0
WEIGHT OF SAMPLE, SR		MG	7.4	NA	0 0	7.6	NA	0.0	6 8	NA	0 0	6 5	NA	0 0

Table C1.4
LEHR Environmental Restoration
Analytical Results For DPI Phase B

RADs

Lab_chem	Background Levels	Units	LEHR-SS-DP-0183 J-24, P, 0 '				LEHR-SS-DP-0184 D-20, LR (FD), 0 '				LEHR-SS-DP-0185 D-30, RE.C (FD), 0 '				LEHR-SS-DP-0186 H-32, RI.C (FD), 0 '			
			Value		Uncert	MDA	Value		Uncert	MDA	Value		Uncert	MDA	Value		Uncert	MDA
ACTINIUM-228	0.64	PCI/G	0.334	/J	0.0994	0.0667	0.517		0.156	0.105	0.465	/J	0.129	0.0998	0.37	/J	0.121	0.0929
BISMUTH-212	0.43	PCI/G	0.265	/J	0.151	0.157	0.25	/J	0.165	0.212	0.347	/J	0.25	0.224	0.428	/J	0.195	0.208
BISMUTH-214	0.54	PCI/G	0.364		0.0702	0.0368	0.452		0.0877	0.0535	**0.548**		0.0978	0.0488	**0.563**		0.0942	0.0461
CARBON-14	0.13	PCI/G	-0.284	/U	0.636	1.12	-0.241	/U	0.674	1.19	-0.416	/U	0.651	1.15	-0.638	/U	0.618	1.11
CESIUM-137	0.012	PCI/G	0.0039	/U	0.0109	0.02	0.0202	/U	0.0167	0.0309	**0.072**	/J	0.0258	0.0254	**0.0553**	/J	0.0318	0.0259
COBALT-60	0.006	PCI/G	-0.0057	/U	0.0134	0.0198	-0.0005	/U	0.0174	0.0307	-0.025	/U	0.0177	0.0271	0.0024	/U	0.0148	0.0265
GROSS ALPHA	8.7	PCI/G	7.33		3.18	3.26	8.02		3.47	3.63	5.82		3	3.8	5.86		3.21	5.36
LEAD-210	1.6	PCI/G	0.166	/U	1.7	2.19	1.29	/U	2.19	2.1	1.4	/U	1.78	2.83	1.79	/U	1.59	2.69
LEAD-212	0.7	PCI/G	0.425		0.0596	0.0298	0.559		0.0895	0.0385	0.538		0.0785	0.0411	0.499		0.0721	0.0385
LEAD-214	0.58	PCI/G	0.415		0.0753	0.0366	0.525		0.104	0.0446	0.53		0.0936	0.0539	**0.651**		0.105	0.0463
NONVOLATILE BETA	15	PCI/G	11.5		2.97	4.55	**15.1**		3.82	5.88	**15.2**		3.34	4.74	11.6		3.13	5.16
POTASSIUM-40	14	PCI/G	8.12		0.987	0.181	12.9		1.46	0.277	12.4		1.53	0.288	11.3		1.33	0.211
RADIUM-226	0.75	PCI/G	**0.792**		0.355	0.278	**1.12**		0.42	0.284	0.366	/U	0.287	0.394	**0.961**		0.425	0.442
STRONTIUM-90	0.056	PCI/G	0.421	/U	0.301	0.6	0.214	/U	0.326	0.688	0.0487	/U	0.288	0.636	0.304	/U	0.312	0.644
THALLIUM-208	0.22	PCI/G	0.115	/J	0.0279	0.0221	0.184	/J	0.0445	0.025	0.159	/J	0.0444	0.0265	0.167	/J	0.0358	0.0243
THORIUM-234	0.78	PCI/G	0.656	/J	0.654	0.589	**1.62**	/J	0.94	0.687	0.46	/U	0.743	0.84	0.591	/U	0.702	0.822
URANIUM-235	0.039	PCI/G	-0.0216	/U	0.0585	0.108	0.0189	/U	0.109	0.142	0.0286	/U	0.0802	0.143	0.0378	/U	0.0815	0.143
URANIUM-238	0.65	PCI/G	**0.656**	/J	0.654	0.589	**1.62**		0.94	0.687	0.46	/U	0.743	0.84	0.591	/U	0.702	0.822
WEIGHT OF SAMPLE, A		MG	52.4		NA	0.0	36.1		NA	0.0	45.1		NA	0.0	39.7		NA	0.0
WEIGHT OF SAMPLE, SR		MG	8.8		NA	0.0	7.5		NA	0.0	8.1		NA	0.0	8.3		NA	0.0

Table C1.4
LEHR Environmental Restoration
Analytical Results For DPI Phase B

RADs

Lab_chem	Background Levels	Units	LEHR-SS-DP-0187 A-20,RR, 0 '				LEHR-SS-DP-0188 A-20,RR, 1.2 '				LEHR-SS-DP-0189 A-20,RR, 1.5 '				LEHR-SS-DP-0190 east of D-17, 0 '			
			Value		Uncert	MDA	Value		Uncert	MDA	Value		Uncert	MDA	Value		Uncert	MDA
ACTINIUM-228	0.64	PCI/G	0.478	/J	0.137	0.0987	0.615		0.134	0.0815	0.43	/J	0.114	0.0702	0.448	/J	0.134	0.128
BISMUTH-212	0.43	PCI/G	0.405	/J	0.19	0.212	0.39	/J	0.183	0.187	0.386	/J	0.174	0.147	0.313	/J	0.24	0.233
BISMUTH-214	0.54	PCI/G	0.494		0.0988	0.0485	**0.515**		0.0953	0.0391	0.413		0.0735	0.0369	0.41		0.0886	0.0591
CARBON-14	0.13	PCI/G	-0.0385	/U	0.658	1.15	-0.41	/U	0.587	1.05	-0.662	/U	0.537	0.975	-0.461	/U	0.553	0.984
CESIUM-137	0.012	PCI/G	0.0003	/U	0.0156	0.0271	**0.0331**	/J	0.0334	0.023	0.0001	/U	0.0111	0.0198	0.0298	/U	0.0336	0.0308
COBALT-60	0.006	PCI/G	0.0055	/U	0.0169	0.0312	-0.0013	/U	0.0164	0.0246	-0.0061	/U	0.0125	0.021	0.0131	/U	0.0124	0.0303
GROSS ALPHA	8.7	PCI/G	5.96		2.74	2.75	**16.9**		3.8	3.98	7.61		3.19	3.47	3.83	/J	2.35	3.16
LEAD-210	1.6	PCI/G	0.926	/U	1.74	2.74	2.54	/U	4.03	4.57	0.682	/U	0.675	1.15	0.919	/U	2.17	3.23
LEAD-212	0.7	PCI/G	0.52		0.0758	0.0407	**0.744**		0.105	0.0348	0.482		0.066	0.0327	0.511		0.0792	0.0456
LEAD-214	0.58	PCI/G	0.527		0.0952	0.0488	**0.64**		0.101	0.0419	0.525		0.0872	0.037	0.562		0.107	0.0516
NONVOLATILE BETA	15	PCI/G	**16.9**		3.42	4.85	**26.1**		3.64	4.79	14.8		3.46	5.3	12.3		3.22	5.06
POTASSIUM-40	14	PCI/G	11.8		1.42	0.267	12.6		1.42	0.22	7.62		0.946	0.2	10.4		1.36	0.317
RADIUM-226	0.75	PCI/G	0.622		0.346	0.43	0.116	/U	0.196	0.348	**0.776**		0.339	0.335	0.336	/U	0.246	0.337
STRONTIUM-90	0.056	PCI/G	0.311	/U	0.337	0.582	-0.0783	/U	0.267	0.548	0.273	/U	0.26	0.497	0.0703	/U	0.25	0.498
THALLIUM-208	0.22	PCI/G	0.158	/J	0.0408	0.0257	0.187	/J	0.0368	0.0229	0.144	/J	0.0309	0.018	0.128	/J	0.0461	0.0283
THORIUM-234	0.78	PCI/G	**1.07**	/J	0.898	0.806	0.644	/U	0.884	0.959	**1.18**	/J	0.544	0.524	**0.948**	/J	1.08	0.89
URANIUM-235	0.039	PCI/G	0.065	/U	0.0839	0.149	0.0888	/U	0.103	0.133	0.0999	/U	0.0741	0.135	**0.232**	/J	0.2	0.177
URANIUM-238	0.65	PCI/G	**1.07**		0.898	0.806	0.644	/U	0.884	0.959	**1.18**		0.544	0.524	**0.948**	/J	1.08	0.89
WEIGHT OF SAMPLE, A		MG	41		NA	0.0	43.1		NA	0.0	40.4		NA	0.0	37.6		NA	0.0
WEIGHT OF SAMPLE, SR		MG	4.2		NA	0.0	6.6		NA	0.0	8		NA	0.0	6.8		NA	0.0

Table C1.4
LEHR Environmental Restoration
Analytical Results For DPI Phase B

RADs

Lab_chem	Background Levels	Units	LEHR-SS-DP-0191 east of D-17, 0 '			
			Value		Uncert	MDA
ACTINIUM-228	0.64	PCI/G	0.383	/J	0.147	0.116
BISMUTH-212	0.43	PCI/G	**0.448**	/J	0.21	0.22
BISMUTH-214	0.54	PCI/G	0.296		0.0934	0.0621
CARBON-14	0.13	PCI/G	-0.687	/U	0.661	1.19
CESIUM-137	0.012	PCI/G	**0.0458**	/J	0.0348	0.0353
COBALT-60	0.006	PCI/G	-0.0034	/U	0.017	0.0303
GROSS ALPHA	8.7	PCI/G	5.81		2.94	4.16
LEAD-210	1.6	PCI/G	0.0123	/U	2.47	2.52
LEAD-212	0.7	PCI/G	0.517		0.087	0.0447
LEAD-214	0.58	PCI/G	0.504		0.102	0.055
NONVOLATILE BETA	15	PCI/G	17.7		3.48	5.05
POTASSIUM-40	14	PCI/G	11.2		1.36	0.261
RADIUM-226	0.75	PCI/G	0.262	/U	0.249	0.383
STRONTIUM-90	0.056	PCI/G	0.214	/U	0.253	0.488
THALLIUM-208	0.22	PCI/G	0.155	/J	0.0476	0.0296
THORIUM-234	0.78	PCI/G	0.32	/U	0.903	0.888
URANIUM-235	0.039	PCI/G	0.0374	/U	0.0894	0.165
URANIUM-238	0.65	PCI/G	0.32	/U	0.903	0.888
WEIGHT OF SAMPLE. A&		MG	41.6		NA	0.0
WEIGHT OF SAMPLE. SR		MG	6.8		NA	0.0

Table C1.4
LEHR Environmental Restoration
Analytical Results For DPI Phase B

RADs

Lab_chem	Background Levels	Units	LEHR-WS-DP-001 Rinsate, '			
			Value		Uncert	MDA
ACTINIUM-228		PCI/L	7.9	/U	13.8	13
BISMUTH-212		PCI/L	6.24	/U	13.6	24.2
BISMUTH-214		PCI/L	2.44	/U	8.67	7.23
CESIUM-137		PCI/L	-1.29	/U	1.72	2.86
COBALT-60		PCI/L	0.867	/U	1.7	3.21
LEAD-210		PCI/L	0.0	/U	270	422
LEAD-212		PCI/L	2.7	/U	6.29	5.88
LEAD-214		PCI/L	0.0	/U	3.87	6.75
POTASSIUM-40		PCI/L	0.0	/U	23.8	47.9
THALLIUM-208		PCI/L	0.0843	/U	4.39	2.94
THORIUM-234		PCI/L	30.4	/U	125	119
URANIUM-235		PCI/L	6.3	/U	10	17.3
URANIUM-238		PCI/L	30.4	/U	125	97.9

Table C1.4
LEHR Environmental Restoration
Analytical Results For DPI Phase B

Table Specifiers:

The following descriptions provide a brief explanation of codes used in association with the sample ids.

WS= Ground water sample
FD= Field Duplicate
= Shading indicates that the measured concentration is above background

Data Validation Qualifier Definitions:

The following definitions provide brief explanations of the data validation qualifiers assigned to results in the data review process.

U = The analyte was analyzed for, but was not detected above the reported sample quantitation limit.
J = The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.
N = The analysis indicates the presence of an analyte for which there is presumptive evidence to make a "tentative identification".
NJ = The analysis indicates the presence of an analyte that has been "tentatively identified" and the associated numerical value represents its approximate concentration.
UJ = The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.
R = The sample results are rejected due to serious deficiencies in the ability to analyze the sample and meet quality control criteria. The presence or absence of the analyte cannot be verified.

Data Validation Reason Code Definitions:

The following descriptions provide brief explanation of the cause for qualification of the results determined in the data review process. These reason codes are used in combination with data qualifier, i.e. "Uz" indicated the analyte is non-detect due to method blank contamination.

c = Calibration failure; poor or unstable response.
d = Matrix duplicate imprecision or matrix spike/matrix spike duplicate imprecision.
f = Field replicate or duplicate imprecision.
h = Holding time violation.
i = Internal standard failure.
l = Laboratory control sample (LCS) recovery failure.
m = Matrix spike/matrix spike duplicate (MS/MSD) recovery failure.
s = Surrogate spike recovery failure.
z = Method blank contamination.
/ = Validation Qualifier / Lab Qualifier.

Table C1.4
LEHR Environmental Restoration
Analytical Results For DPI Phase B

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The following descriptions provide a brief explanation of codes used in association with the sample ids.

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m = Matrix spike/matrix spike duplicate (MS/MSD) recovery failure.
s = Surrogate spike recovery failure.
z = Method blank contamination.
/ = Validation Qualifier / Lab Qualifier.
B = Analyte was detected in the associated method blank.
E = Concentration exceeds calibration range.
P = Concentrations between the two GC columns are greater than 25% difference.
N= Spiked sample recovery not within control limits.
* = Duplicate analysis not within control limit.

APPENDIX C2

ANALYTICAL RESULTS FOR DPI PHASE C

Table C2.1
LEHR Environmental Restoration
Analytical Results For DPI Phase C

General Chemistry

	Background Level	UNITS	SSDP0192 E-9, 0'		SSDP0193 E-9, 2'		SSDP0194 E-9, 8'	SSDP0195 E-9, 15'	SSDP0196 E-9, 25'		SSDP0197 C-15, 0'	
CHROMIUM, HEXAVALENT	0.054	MG/KG	0.0819	UJzm/J	0.193	UJz/J	0.336	0.507	0.249	UJz/	0.099	UJz/J
EVAPORATIVE LOSS @ 105 C		WT%	15		7		17	17	15		9	
NITROGEN, AMMONIA	22	MG/KG	NA		NA		NA	NA	NA		29.2	
NITROGEN, NITRATE	36	MG/KG	0.509		0.267		6.06	2.86	2.32		0.898	
NITROGEN, TOTAL KJELDAHL		MG/KG	NA		NA		NA	NA	NA		95.9	
NITROGEN, TOTAL ORGANIC		MG/KG	NA		NA		NA	NA	NA		69.9	
PH		PH UNI	7.47		8.74		8.25	8.35	8.5		6.84	
PH TEMPERATURE		C	21.4		21.1		21.3	20.8	21.3		20.9	
TOTAL ORGANIC CARBON		MG/KG	NA		NA		NA	NA	NA		5,800	

Table C2.1
LEHR Environmental Restoration
Analytical Results For DPI Phase C

General Chemistry

	Background Level	UNITS	SSDP0198 C-15, 2'		SSDP0199 C-15, 10'		SSDP0200 C-15, 20'		SSDP0201 C-15, 25'		SSDP0202 C-4, 0'		SSDP0203 C-4, 2'
CHROMIUM, HEXAVALENT	0.054	MG/KG	<0.236	/U	0.135	UJz/J	0.253	UJz/	**0.371**		<0.232	/U	**0.333**
EVAPORATIVE LOSS @ 105 C		WT%	15		19		13		22		14		22
NITROGEN, AMMONIA	22	MG/KG	5.41		2.44		3.18		2.55		NA		NA
NITROGEN, NITRATE	36	MG/KG	0.433		1.24		1.12		2.72		0.874		1.67
NITROGEN, TOTAL KJELDAHL		MG/KG	182		166		111		139		NA		NA
NITROGEN, TOTAL ORGANIC		MG/KG	178		163		108		136		NA		NA
PH		PH UNI	7.67		8.26		8.13		8.27		7.45		7.52
PH TEMPERATURE		C	21.2		20.3		20.4		21.1		21.3		20.9
TOTAL ORGANIC CARBON		MG/KG	3,320		4,040		602		2,140		NA		NA

Table C2.1
LEHR Environmental Restoration
Analytical Results For DPI Phase C

General Chemistry

	Background Level	UNITS	SSDP0204 C-4, 8'	SSDP0205 C-4, 20'	SSDP0206 C-4, (FD), 21'	SSDP0207 C-4, 25'	SSDP0208 C-27, 0'	SSDP0209 C-27, 2'
CHROMIUM, HEXAVALENT	0.054	MG/KG	0.309	0.324	0.342	0.221 UJz/J	0.418	0.407
EVAPORATIVE LOSS @ 105 C		WT%	16	17	15	19	16	9
NITROGEN, NITRATE	36	MG/KG	0.571	0.593	1.21	1.14	0.234	0.181 /J
PH		PH UNI	8.17	8.38	8.22	8.19	5.35	6.81
PH TEMPERATURE		C	20.9	21.1	20.7	21.5	21.3	20.7

Table C2.1
LEHR Environmental Restoration
Analytical Results For DPI Phase C

General Chemistry

	Background Level	UNITS	SSDP0210 C-27, 5 '	SSDP0211 C-27, 15'	SSDP0212 C-27, 25'	SSDP0213 E-2, 0'	SSDP0214 E-2, 2'	SSDP0215 E-2, 10'
CHROMIUM, HEXAVALENT	0.054	MG/KG	**0.418**	<0.208 UJm/U	0.15 UJzm/J	0.297 UJzm/	**0.659**	0.152 UJzm/J
EVAPORATIVE LOSS @ 105 C		WT%	15	20	21	16	18	17
NITROGEN, NITRATE	36	MG/KG	0.297	1.3	2.36	0.573	1.12	1.83
PH		PH UNI	7.73	8.35	8.24	7.03	7.95	8.61
PH TEMPERATURE		C	20.7	21.2	19.4	19.8	19.2	19.8

Table C2.1
LEHR Environmental Restoration
Analytical Results For DPI Phase C

General Chemistry

	Background Level	UNITS	SSDP0216 E-2, 20 '		SSDP0217 E-2, 25'		SSDP0218 F-26, 0'		SSDP0219 F-26, 2'		SSDP0220 F-26, 8'		SSDP0221 F-26, 15'	
CHROMIUM, HEXAVALENT	0.054	MG/KG	0.2	UJzm/	0.2	UJzm/J	**0.314**		0.221	UJzm/J	<0.232	UJm/U	0.265	UJzm/
EVAPORATIVE LOSS @ 105 C		WT%	16		18		19		23		17		18	
NITROGEN, AMMONIA	22	MG/KG	NA		NA		50.2	UJzm/	0.774	/J	0.952	/J	<1.18	/U
NITROGEN, NITRATE	36	MG/KG	3.6		7.38		0.444		0.446		1.17		<0.224	/U
NITROGEN, TOTAL KJELDAHL		MG/KG	NA		NA		400		256		225		208	
NITROGEN, TOTAL ORGANIC		MG/KG	NA		NA		348		256		223		208	
PH		PH UNI	8.14		7.7		7.74		7.67		8.47		8.15	
PH TEMPERATURE		C	20.3		22.6		22.5		21.5		23.8		22.5	
TOTAL ORGANIC CARBON		MG/KG	NA		NA		4,480		5,780		5,610		2,180	

Table C2.1
LEHR Environmental Restoration
Analytical Results For DPI Phase C

General Chemistry

	Background Level	UNITS	SSDP0222 F-26, 20 '		SSDP0223 F-24, 0'		SSDP0224 F-24, 2'		SSDP0225 F-24, 10'		SSDP0226 F-24, (FD), 11'		SSDP0227 F-24, 20'	
CHROMIUM, HEXAVALENT	0.054	MG/KG	0.105	UJzm/J	**0.295**	Jm/	**0.309**	Jm/	**0.329**	Jm/	**0.264**	Jm/	0.105	UJzm/J
EVAPORATIVE LOSS @ 105 C		WT%	14		19		16		18		19		15	
NITROGEN, AMMONIA	22	MG/KG	0.687	/J	NA		NA		NA		NA		NA	
NITROGEN, NITRATE	36	MG/KG	4.32		5.03		0.382		0.918		6.83		**43.5**	
NITROGEN, TOTAL KJELDAHL		MG/KG	115		NA		NA		NA		NA		NA	
NITROGEN, TOTAL ORGANIC		MG/KG	114		NA		NA		NA		NA		NA	
PH		PH UNI	8.06		6.65		8.38		8.32		8.31		8.15	
PH TEMPERATURE		C	22.9		21.4		21.8		21.1		20.9		21	
TOTAL ORGANIC CARBON		MG/KG	352		NA		NA		NA		NA		NA	

Table C2.1
LEHR Environmental Restoration
Analytical Results For DPI Phase C

General Chemistry

	Background Level	UNITS	SSDP0228 G-12, 0'		SSDP0229 G-12, 2'		SSDP0230 G-12, 8'		SSDP0231 G-12, 20'		SSDP0232 G-12, 25'		SSDP0233 G-13, 0'	
CHROMIUM, HEXAVALENT	0.054	MG/KG	0.163	UJzm/J	<0.266	UJm/U	<0.24	UJm/U	0.426	Jm/	0.288	Jm/	0.0984	UJzm/J
EVAPORATIVE LOSS @ 105 C		WT%	20		28		17		14		19		19	
NITROGEN, NITRATE	36	MG/KG	1.88		0.45		3.65		4.68		4.94		0.39	
PH		PH UNI	7.39		7.54		8.13		8.28		8.13		7.73	
PH TEMPERATURE		C	21.4		21.5		20.9		20.4		21.6		22.5	

Table C2.1
LEHR Environmental Restoration
Analytical Results For DPI Phase C

General Chemistry

	Background Level	UNITS	SSDP0234 G-13, 2'		SSDP0235 G-13, 8'		SSDP0236 G-13, 15'		SSDP0237 G-13, 25'		SSDP0238 F-29, 0'		SSDP0239 F-29, 2'	
CHROMIUM, HEXAVALENT	0.054	MG/KG	0.15	UJzm/J	0.232	UJzm/J	**0.401**	Jm/	0.213	UJzm/J	**0.302**	Jm/	0.0959	UJzm/J
EVAPORATIVE LOSS @ 105 C		WT%	15		18		19		20		16		27	
NITROGEN, NITRATE	36	MG/KG	0.316		0.737		1.93		6.26		0.305		0.416	
PH		PH UNI	8.12		8.34		8.4		8.23		7.49		7.55	
PH TEMPERATURE		C	21.5		20.4		21		22.3		20.8		21.6	

Table C2.1
LEHR Environmental Restoration
Analytical Results For DPI Phase C

General Chemistry

	Background Level	UNITS	SSDP0240 F-29, 5 '		SSDP0241 F-29, 15'		SSDP0242 F-29, 25'		SSDP0243 H-32, 0'		SSDP0244 H-32, 2'		SSDP0245 H-32, 10'	
CHROMIUM, HEXAVALENT	0.054	MG/KG	0.101	UJzm/J	0.148	UJzm/J	0.292	Jm/	<0.226	UJm/U	0.54	UJzm/	0.259	UJzm/
EVAPORATIVE LOSS @ 105 C		WT%	15		19		21		14		8		15	
NITROGEN, AMMONIA	22	MG/KG	NA		NA		NA		3.86		<1.05	/U	0.908	/J
NITROGEN, NITRATE	36	MG/KG	0.236		2.05		8		0.921		0.224		0.725	
NITROGEN, TOTAL KJELDAHL		MG/KG	NA		NA		NA		453		116		101	
NITROGEN, TOTAL ORGANIC		MG/KG	NA		NA		NA		448		116		100	
PH		PH UNI	8.02		8.17		8.02		7.37		7.46		7.91	
PH TEMPERATURE		C	20.6		21		20.7		21.6		20.7		20.7	
TOTAL ORGANIC CARBON		MG/KG	NA		NA		NA		6,410		951		839	

Table C2.1
LEHR Environmental Restoration
Analytical Results For DPI Phase C

General Chemistry

	Background Level	UNITS	SSDP0246 H-32, 20 '		SSDP0247 H-32, 25'		SSDP0248 H-31, 0'		SSDP0249 H-31, 2'		SSDP0250 H-31, 5'		SSDP0251 H-31, (FD), 6'	
CHROMIUM, HEXAVALENT	0.054	MG/KG	0.147	UJzm/J	0.203	UJzm/J	0.205	UJzm/J	<0.23	UJm/U	<1.14	UJm/U	0.121	UJzm/J
EVAPORATIVE LOSS @ 105 C		WT%	15		15		14		21		18		18	
NITROGEN, AMMONIA	22	MG/KG	0.908	/J	1.63		NA		NA		NA		NA	
NITROGEN, NITRATE	36	MG/KG	1.6		2.32		1.84		1.03		4.12		6.89	
NITROGEN, TOTAL KJELDAHL		MG/KG	134		239		NA		NA		NA		NA	
NITROGEN, TOTAL ORGANIC		MG/KG	133		238		NA		NA		NA		NA	
PH		PH UNI	8.36		8.46		7.33		7.82		7.63		7.71	
PH TEMPERATURE		C	20.3		20.7		20.4		20.8		21.6		21.1	
TOTAL ORGANIC CARBON		MG/KG	1,660		51,400		NA		NA		NA		NA	

Table C2.1
LEHR Environmental Restoration
Analytical Results For DPI Phase C

General Chemistry

	Background Level	UNITS	SSDP0252 H-31, 15 '		SSDP0253 H-31, 25'		SSDP0254 H-26, 0'		SSDP0255 H-26, 2'		SSDP0256 H-26, 5'		SSDP0257 H-26, 15'	
CHROMIUM, HEXAVALENT	0.054	MG/KG	0.549	UJzm/	0.142	UJzm/J	<0.236	UJm/U	0.0999	UJzm/J	<1.19	UJm/U	0.266	UJzm/
EVAPORATIVE LOSS @ 105 C		WT%	19		16		15		11		18		19	
NITROGEN, NITRATE	36	MG/KG	3.97		5.56		1.3		0.514		2.58		1.74	
PH		PH UNI	8.07		8.28		7.89		7.41		7.65		8.45	
PH TEMPERATURE		C	20.4		20.1		20		20		20.1		20.4	

Table C2.1
LEHR Environmental Restoration
Analytical Results For DPI Phase C

General Chemistry

	Background Level	UNITS	SSDP0258		SSDP0259		SSDP0260		SSDP0261		SSDP0262		SSDP0263	
			H-26, 25 '		G-22, 0'		G-22, 2'		G-22, 5'		G-22, 15'		G-22, 25'	
CHROMIUM, HEXAVALENT	0.054	MG/KG	0.278	UJzm/	**0.812**		**0.16**	/J	**0.111**	/J	**0.32**		**0.061**	/J
EVAPORATIVE LOSS @ 105 C		WT%	18		14		12		19		19		18	
NITROGEN, AMMONIA	22	MG/KG	NA		19.4		<1.11	/U	<1.2	/U	<1.22	/U	<1.22	/U
NITROGEN, NITRATE	36	MG/KG	0.872		1.11	Jm/	0.587	Jm/	1.12	Jm/	0.45	Jm/	2.36	Jm/
NITROGEN, TOTAL KJELDAHL		MG/KG	NA		425		122		147		164		170	
NITROGEN, TOTAL ORGANIC		MG/KG	NA		404		122		147		163		170	
PH		PH UNI	8.53		6.63		7.78		8.2		8.23		8.36	
PH TEMPERATURE		C	20.8		21.9		21.7		21.6		21.4		21.8	
TOTAL ORGANIC CARBON		MG/KG	NA		5,230		1,960		1,960		2,680		24,900	

Table C2.1
LEHR Environmental Restoration
Analytical Results For DPI Phase C

General Chemistry

	Background Level	UNITS	SSDP0264		SSDP0264D L1	SSDP0265		SSDP0266		SSDP0267		SSDP0268	
			H-19, 0 '		H-19, 0'	H-19, 2'		H-19, 5'		H-19, 15'		H-19, 25'	
CHROMIUM, HEXAVALENT	0.054	MG/KG	0.573		NA	0.0976	/J	0.119	/J	0.092	/J	0.185	/J
EVAPORATIVE LOSS @ 105 C		WT%	18		NA	18		18		17		17	
NITROGEN, NITRATE	36	MG/KG	1.91	Jm/	NA	0.251	Jm/	0.449	Jm/	0.939	Jm/	1.87	Jm/
PH		PH UNI	6.89		NA	7.5		7.76		8.15		8.16	
PH TEMPERATURE		C	22.1		NA	21.8		21.7		21.4		21.8	

Table C2.1
LEHR Environmental Restoration
Analytical Results For DPI Phase C

General Chemistry

	Background Level	UNITS	SSDP0269		SSDP0270		SSDP0271		SSDP0272		SSDP0273		SSDP0274	
			I-10, 0 '		I-10, 2'		I-10, 8'		I-10, 15'		I-10, 25'		J-24, 0'	
CHROMIUM, HEXAVALENT	0.054	MG/KG	**0.17**	/J	**0.139**	/J	<0.23	/U	**0.104**	/J	**0.0992**	/J	0.104	UJz/J
EVAPORATIVE LOSS @ 105 C		WT%	14		23		17		18		20		15	
NITROGEN, AMMONIA	22	MG/KG	NA		NA		NA		NA		NA		**35.5**	
NITROGEN, NITRATE	36	MG/KG	0.469	Jm/	0.56	Jm/	0.351	Jm/	0.894	Jm/	2.18	Jm/	0.674	Jm/
NITROGEN, TOTAL KJELDAHL		MG/KG	NA		NA		NA		NA		NA		267	
NITROGEN, TOTAL ORGANIC		MG/KG	NA		NA		NA		NA		NA		231	
PH		PH UNI	7.75		7.49		8.3		8.32		8.11		7.57	
PH TEMPERATURE		C	21.3		21.5		21.1		20.8		21.7		20.6	
TOTAL ORGANIC CARBON		MG/KG	NA		NA		NA		NA		NA		5,460	

Table C2.1
LEHR Environmental Restoration
Analytical Results For DPI Phase C

General Chemistry

	Background Level	UNITS	SSDP0275 J-24, 2'		SSDP0276 J-24, 5'		SSDP0277 J-24, 15'		SSDP0278 J-24, 25'		SSDP0279 J-17, 0'		SSDP0280 J-17, (FD), 0'	
CHROMIUM, HEXAVALENT	0.054	MG/KG	0.126	UJz/J	0.204	UJz/J	0.11	UJz/J	0.46		0.092	UJz/J	0.203	UJz/J
EVAPORATIVE LOSS @ 105 C		WT%	5		17		19		16		13		12	
NITROGEN, AMMONIA	22	MG/KG	<1.03	/U	4.21		1.72		<1.19	/U	NA		NA	
NITROGEN, NITRATE	36	MG/KG	0.483	Jm/	0.974	Jm/	5.51	Jm/	4.66	Jm/	0.299	Jm/	0.126	Jm/J
NITROGEN, TOTAL KJELDAHL		MG/KG	70.2		481		225		179		NA		NA	
NITROGEN, TOTAL ORGANIC		MG/KG	69.8		476		223		178		NA		NA	
PH		PH UNI	8.45		7.82		7.91		8.08		7.22		7.19	
PH TEMPERATURE		C	20.7		20.5		20.5		20.2		20.6		19.6	
TOTAL ORGANIC CARBON		MG/KG	1,510		7,860		1,670		552		NA		NA	

Table C2.1
LEHR Environmental Restoration
Analytical Results For DPI Phase C

General Chemistry

	Background Level	UNITS	SSDP0281		SSDP0282		SSDP0283		SSDP0284		SSDP0285		SSDP0285D L1
			J-17, 2'		J-17, 10'		J-17, 20'		J-17, 25'		C-15, 0'		C-15, 0'
CHROMIUM, HEXAVALENT	0.054	MG/KG	0.15	UJz/J	**0.422**		**0.309**		**0.448**		**1.02**	Jm/	NA
EVAPORATIVE LOSS @ 105 C		WT%	21		20		16		16		14		NA
NITROGEN, AMMONIA	22	MG/KG	NA		NA		NA		NA		7.56		NA
NITROGEN, NITRATE	36	MG/KG	0.666	Jm/	0.519	Jm/	2.45	Jm/	2.05	Jm/	0.406		NA
NITROGEN, TOTAL KJELDAHL		MG/KG	NA		NA		NA		NA		140		NA
NITROGEN, TOTAL ORGANIC		MG/KG	NA		NA		NA		NA		133		NA
PH		PH UNI	7.5		8.17		8.17		8.17		6.54		NA
PH TEMPERATURE		C	20.5		20.1		19.7		20.6		20.7		NA
TOTAL ORGANIC CARBON		MG/KG	NA		NA		NA		NA		4,190		NA

Table C2.1
LEHR Environmental Restoration
Analytical Results For DPI Phase C

General Chemistry

	Background Level	UNITS	SSDP0286 C-15, 2'		SSDP0286D L1 C-15, 2'	SSDP0287 A-14, 0'		SSDP0287D L1 A-14, 0'	SSDP0288 A-14, 2'		SSDP0289 A-14, 5'	
CHROMIUM, HEXAVALENT	0.054	MG/KG	0.147	UJzm/J	NA	0.166	UJzm/J	NA	0.244	UJzm/	0.302	Jm/
EVAPORATIVE LOSS @ 105 C		WT%	7		NA	9		NA	19		22	
NITROGEN, AMMONIA	22	MG/KG	1.91		NA	30.2		NA	2.64		7.42	
NITROGEN, NITRATE	36	MG/KG	0.128	/J	NA	0.595		NA	0.127	/J	0.282	
NITROGEN, TOTAL KJELDAHL		MG/KG	98.1		NA	1,240		NA	355		655	
NITROGEN, TOTAL ORGANIC		MG/KG	96.5		NA	1,210		NA	351		646	
PH		PH UNI	6.81		NA	7.13		NA	7.17		7.64	
PH TEMPERATURE		C	20.3		NA	20.8		NA	20.4		21	
TOTAL ORGANIC CARBON		MG/KG	2,580		NA	15,700		NA	2,250		8,790	

Table C2.1
LEHR Environmental Restoration
Analytical Results For DPI Phase C

General Chemistry

	Background Level	UNITS	SSDP0290 A-14, 15 '		SSDP0291 A-14, 25'		SSDP0292 A-12, 0'		SSDP0293 A-12, 2'		SSDP0294 A-12, 10'	SSDP0295 A-12, 20'
CHROMIUM, HEXAVALENT	0.054	MG/KG	**0.708**	Jm/	**0.612**	Jm/	0.178	UJz/J	**0.654**		**0.369**	**0.437**
EVAPORATIVE LOSS @ 105 C		WT%	17		17		10		10		17	16
NITROGEN, AMMONIA	22	MG/KG	0.956	/J	<1.2	/U	NA		NA		NA	NA
NITROGEN, NITRATE	36	MG/KG	0.607		0.525		0.289		0.111	/J	0.549	0.714
NITROGEN, TOTAL KJELDAHL		MG/KG	254		129		NA		NA		NA	NA
NITROGEN, TOTAL ORGANIC		MG/KG	252		128		NA		NA		NA	NA
PH		PH UNI	8.59		8.13		7.59		7.26		8.47	8.18
PH TEMPERATURE		C	20.7		20		20.2		20.8		19.9	20
TOTAL ORGANIC CARBON		MG/KG	1,720		710		NA		NA		NA	NA

Table C2.1
LEHR Environmental Restoration
Analytical Results For DPI Phase C

General Chemistry

Location Date	Background Level	UNITS	SSDP0296 A-12, 25 '	SSDP0297 A-12, (FD), 26'
"CHROMIUM, HEXAVALENT"	0.054	MG/KG	0.294	0.35
"NITROGEN, NITRATE"	36	MG/KG	0.702	0.621
EVAPORATIVE LOSS @ 105 C		WT%	15	13
PH		PH UNI	8.1	8.11
PH TEMPERATURE		C	20.6	20.4

Table C2.1
LEHR Environmental Restoration
Analytical Results For DPI Phase C

General Chemistry

	Background Level	UNITS	WSDP0003		WSDP0004		WSDP0005		WSDP0006		WSDP0007		WSDP0008	
			C-15, 18.5 '		F-26, 18'		Rinsate, '		H-32, 15.5'		G-22, 17'		G-22, (FD), 17'	
"CHROMIUM, HEXAVALENT"		MG/L	<0.02	/U	0.011	UJz/J	0.0129	UJz/J	0.034	UJz/	0.019	UJz/J	0.026	UJz/
"NITROGEN, AMMONIA"		MG/L	<0.05	/U	<0.05	/U	NA		<0.05	/U	<0.05	/U	<0.05	/U
"NITROGEN, NITRATE"		MG/L	13.1	Jh/	78.6		0.009	/J	29.5		22.9	Jh/	23.4	
"NITROGEN, TOTAL KJELDAHL"		MG/L	0.12		0.08	/J	NA		0.16		0.61		0.14	
"NITROGEN, TOTAL ORGANIC"		MG/L	0.12		0.08	UJz/J	NA		0.16		0.61		0.14	
TOTAL ORGANIC CARBON		MG/L	9.52	UJz/	1.81	UJz/	NA		1.63	UJz/	1.93	UJz/	1.36	UJz/

Table C2.1
LEHR Environmental Restoration
Analytical Results For DPI Phase C

General Chemistry

Location Date	Background Level	UNITS	WSDP0009 J-24, 14'		WSDP0010 Rinsate, '		WSDP0011 A-14, 22'	
CHROMIUM, HEXAVALENT		MG/L	0.015	UJz/J	<0.02	/U	<0.02	UJh/U
NITROGEN, AMMONIA		MG/L	<0.05	/U	<0.05	/U	<0.05	/U
NITROGEN, NITRATE		MG/L	2.54	Jh/	0.025	Jm/J	3.4	
NITROGEN, TOTAL KJELDAHL		MG/L	0.14		0.01	/J	0.37	
NITROGEN, TOTAL ORGANIC		MG/L	0.14		<0.1	/U	0.37	
TOTAL ORGANIC CARBON		MG/L	2.39	UJz/	2.03		2.09	UJz/

Table C2.1
LEHR Environmental Restoration
Analytical Results For DPI Phase C

Table Specifiers:

The following descriptions provide a brief explanation of codes used in association with the sample ids.

WS= Ground water sample
FD= Field Duplicate
= Shading indicates that the measured concentration is above background

Data Validation Qualifier Definitions:

The following definitions provide brief explanations of the data validation qualifiers assigned to results in the data review process.

U = The analyte was analyzed for, but was not detected above the reported sample quantitation limit.
J = The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.
N = The analysis indicates the presence of an analyte for which there is presumptive evidence to make a "tentative identification".
NJ = The analysis indicates the presence of an analyte that has been "tentatively identified" and the associated numerical value represents its approximate concentration.
UJ = The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.
R = The sample results are rejected due to serious deficiencies in the ability to analyze the sample and meet quality control criteria. The presence or absence of the analyte cannot be verified.

Data Validation Reason Code Definitions:

The following descriptions provide brief explanation of the cause for qualification of the results determined in the data review process. These reason codes are used in combination with data qualifier, i.e. "Uz" indicated the analyte is non-detect due to method blank contamination.

c = Calibration failure; poor or unstable response.
d = Matrix duplicate imprecision or matrix spike/matrix spike duplicate imprecision.
f = Field replicate or duplicate imprecision.
h = Holding time violation.
i = Internal standard failure.
l = Laboratory control sample (LCS) recovery failure.
m = Matrix spike/matrix spike duplicate (MS/MSD) recovery failure.
s = Surrogate spike recovery failure.
z = Method blank contamination.
/ = Validation Qualifier / Lab Qualifier.
B = Analyte was detected in the associated method blank.
E = Concentration exceeds calibration range.
P = Concentrations between the two GC columns are greater than 25% difference.
N= Spiked sample recovery not within control limits.
* = Duplicate analysis not within control limit.

Table C2.2
LEHR Environmental Restoration
Analytical Results For DPI Phase C

Metals by CLP

	Background Level	UNITS	SSDP0192		SSDP0193		SSDP0194		SSDP0195		SSDP0196		SSDP0197	
			E-9, 0'		E-9, 2'		E-9, 8'		E-9, 15'		E-9, 25'		C-15, 0'	
CHROMIUM	181	MG/KG	NA		NA		NA		NA		NA		133	
MERCURY	0.63	MG/KG	1.3	Jm/N	0.06	Jm/NB	<0.11	UJm/UN	<0.096	UJm/UN	0.05	Jm/NB	0.68	Jm/N

Table C2.2
LEHR Environmental Restoration
Analytical Results For DPI Phase C

Metals by CLP

	Background Level	UNITS	SSDP0198 C-15, 2'		SSDP0199 C-15, 10'		SSDP0200 C-15, 20'		SSDP0201 C-15, 25'		SSDP0202 C-4, 0'		SSDP0203 C-4, 2'	
CHROMIUM	181	MG/KG	**208**		108		78.3		104		NA		NA	
MERCURY	0.63	MG/KG	**1.3**	Jm/N	0.11	Jm/N	0.06	Jm/NB	<0.12	UJm/UN	**1.1**	Jm/N	0.55	Jm/N

Table C2.2
LEHR Environmental Restoration
Analytical Results For DPI Phase C

Metals by CLP

	Background Level	UNITS	SSDP0204 C-4, 8'		SSDP0205 C-4, 20'		SSDP0206 C-4, (FD), 21'		SSDP0207 C-4, 25'		SSDP0208 C-27, 0'		SSDP0209 C-27, 2'	
MERCURY	0.63	MG/KG	0.06	Jm/NB	<0.093	UJm/UN	<0.1	UJm/UN	0.08	Jm/NB	1.1	Jm/N	0.31	Jm/N

Table C2.2
LEHR Environmental Restoration
Analytical Results For DPI Phase C

Metals by CLP

	Background Level	UNITS	SSDP0210		SSDP0211		SSDP0212	SSDP0213	SSDP0214	SSDP0215
			C-27, 5 '		C-27, 15'		C-27, 25'	E-2, 0'	E-2, 2'	E-2, 10'
MERCURY	0.63	MG/KG	0.06	Jm/NB	0.08	J/B	0.12	**0.73**	**0.96**	0.12

Table C2.2
LEHR Environmental Restoration
Analytical Results For DPI Phase C

Metals by CLP

	Background Level	UNITS	SSDP0216		SSDP0217		SSDP0218	SSDP0219	SSDP0220		SSDP0221	
			E-2, 20 '		E-2, 25'		F-26, 0'	F-26, 2'	F-26, 8'		F-26, 15'	
CHROMIUM	181	MG/KG	NA		NA		149	122	119		80.9	
MERCURY	0.63	MG/KG	<0.077	/U	0.09	J/B	0.93	1.2	0.07	J/B	0.05	J/B

Table C2.2
LEHR Environmental Restoration
Analytical Results For DPI Phase C

Metals by CLP

	Background Level	UNITS	SSDP0222		SSDP0223		SSDP0224		SSDP0225		SSDP0226		SSDP0227	
			F-26, 20 '		F-24, 0'		F-24, 2'		F-24, 10'		F-24, (FD), 11'		F-24, 20'	
CHROMIUM	181	MG/KG	58		NA		NA		NA		NA		NA	
MERCURY	0.63	MG/KG	0.06	J/B	**1.6**	/N	0.6	/N	<0.1	/UN	<0.099	/UN	**1.7**	/N

Table C2.2
LEHR Environmental Restoration
Analytical Results For DPI Phase C

Metals by CLP

	Background Level	UNITS	SSDP0228 G-12, 0'		SSDP0229 G-12, 2'		SSDP0230 G-12, 8'		SSDP0231 G-12, 20'		SSDP0232 G-12, 25'		SSDP0233 G-13, 0'	
MERCURY	0.63	MG/KG	1.9	/N	0.28	/N	0.09	/NB	<0.11	/UN	<0.082	/UN	<0.088	/UN

Table C2.2
LEHR Environmental Restoration
Analytical Results For DPI Phase C

Metals by CLP

	Background Level	UNITS	SSDP0234		SSDP0235		SSDP0236		SSDP0237		SSDP0238		SSDP0239	
			G-13, 2'		G-13, 8'		G-13, 15'		G-13, 25'		F-29, 0'		F-29, 2'	
MERCURY	0.63	MG/KG	0.42	/N	0.09	/N	<0.091	/UN	<0.081	/UN	0.48	/N	0.99	/N

Table C2.2
LEHR Environmental Restoration
Analytical Results For DPI Phase C

Metals by CLP

	Background Level	UNITS	SSDP0240 F-29, 5 '		SSDP0241 F-29, 15'		SSDP0242 F-29, 25'		SSDP0243 H-32, 0'		SSDP0244 H-32, 2'		SSDP0245 H-32, 10'	
CHROMIUM	181	MG/KG	NA		NA		NA		159		154		139	
MERCURY	0.63	MG/KG	0.3	/N	0.05	/NB	<0.1	/UN	2.3	/*	0.07	J/B*	0.13	/*

Table C2.2
LEHR Environmental Restoration
Analytical Results For DPI Phase C

Metals by CLP

	Background Level	UNITS	SSDP0246		SSDP0247		SSDP0248		SSDP0249		SSDP0250		SSDP0251	
			H-32, 20'		H-32, 25'		H-31, 0'		H-31, 2'		H-31, 5'		H-31, (FD), 6'	
CHROMIUM	181	MG/KG	89.3		80.3		NA		NA		NA		NA	
MERCURY	0.63	MG/KG	0.14	/*	0.13	/*	2	/*	0.31	/*	0.15	/*	0.31	/*

Table C2.2
LEHR Environmental Restoration
Analytical Results For DPI Phase C

Metals by CLP

	Background Level	UNITS	SSDP0252		SSDP0253		SSDP0254		SSDP0255		SSDP0256		SSDP0257	
			H-31, 15 '		H-31, 25'		H-26, 0'		H-26, 2'		H-26, 5'		H-26, 15'	
MERCURY	0.63	MG/KG	0.09	J/B*	0.08	J/B*	2.7	/*	0.18	/*	0.14	/*	0.12	/*

Table C2.2
LEHR Environmental Restoration
Analytical Results For DPI Phase C

Metals by CLP

	Background Level	UNITS	SSDP0258		SSDP0259		SSDP0260		SSDP0261		SSDP0262		SSDP0263	
			H-26, 25 '		G-22, 0'		G-22, 2'		G-22, 5'		G-22, 15'		G-22, 25'	
CHROMIUM	181	MG/KG	NA		145	/N	**187**	/N	150	/N	107	/N	74	/N
MERCURY	0.63	MG/KG	0.14	/*	**2.6**		0.59		0.23		0.37		0.06	J/B

Table C2.2
LEHR Environmental Restoration
Analytical Results For DPI Phase C

Metals by CLP

	Background Level	UNITS	SSDP0264	SSDP0264D L1	SSDP0265	SSDP0266	SSDP0267		SSDP0268
			H-19, 0'	H-19, 0'	H-19, 2'	H-19, 5'	H-19, 15'		H-19, 25'
MERCURY	0.63	MG/KG	3.7	NA	0.5	0.36	0.07	J/B	0.12

Table C2.2
LEHR Environmental Restoration
Analytical Results For DPI Phase C

Metals by CLP

	Background Level	UNITS	SSDP0269 I-10, 0'	SSDP0270 I-10, 2'	SSDP0271 I-10, 8'	SSDP0272 I-10, 15'	SSDP0273 I-10, 25'	SSDP0274 J-24, 0'
CHROMIUM	181	MG/KG	NA	NA	NA	NA	NA	171
MERCURY	0.63	MG/KG	**0.66**	0.57	0.38	0.09	0.12	**1.3**

Table C2.2
LEHR Environmental Restoration
Analytical Results For DPI Phase C

Metals by CLP

	Background Level	UNITS	SSDP0275		SSDP0276		SSDP0277		SSDP0278		SSDP0279	SSDP0280
			J-24, 2'		J-24, 5'		J-24, 15'		J-24, 25'		J-17, 0'	J-17, (FD), 0'
CHROMIUM	181	MG/KG	**195**		117		108		93.5		NA	NA
MERCURY	0.63	MG/KG	0.05	J/B	0.11	J/B	0.06	J/B	<0.1	/U	0.25	0.3

Table C2.2
LEHR Environmental Restoration
Analytical Results For DPI Phase C

Metals by CLP

	Background Level	UNITS	SSDP0281		SSDP0282		SSDP0283		SSDP0284		SSDP0285	SSDP0285DL1
			J-17, 2'		J-17, 10'		J-17, 20'		J-17, 25'		C-15, 0'	C-15, 0'
CHROMIUM	181	MG/KG	NA		NA		NA		NA		**206**	NA
MERCURY	0.63	MG/KG	**0.7**		0.08	J/B	<0.082	/U	<0.082	/U	0.53	NA

Table C2.2
LEHR Environmental Restoration
Analytical Results For DPI Phase C

Metals by CLP

	Background Level	UNITS	SSDP0286 C-15, 2'	SSDP0286D L1 C-15, 2'	SSDP0287 A-14, 0'	SSDP0287D L1 A-14, 0'	SSDP0288 A-14, 2'	SSDP0289 A-14, 5'
CHROMIUM	181	MG/KG	273	NA	123	NA	143	129
MERCURY	0.63	MG/KG	0.29	NA	0.21	NA	0.38	0.23

Table C2.2
LEHR Environmental Restoration
Analytical Results For DPI Phase C

Metals by CLP

	Background Level	UNITS	SSDP0290		SSDP0291		SSDP0292	SSDP0293	SSDP0294	SSDP0295	
			A-14, 15 '		A-14, 25'		A-12, 0'	A-12, 2'	A-12, 10'	A-12, 20'	
CHROMIUM	181	MG/KG	60.5		43.9		NA	NA	NA	NA	
MERCURY	0.63	MG/KG	0.05	J/B	0.06	J/B	**0.78**	0.1	0.19	<0.099	/U

Table C2.2
LEHR Environmental Restoration
Analytical Results For DPI Phase C

Metals by CLP

Location Date	Background Level	UNITS	SSDP0296 A-12, 25'		SSDP0297 A-12, (FD), 26'	
MERCURY	0.63	MG/KG	<0.11	/U	<0.1	/U

Table C2.2
LEHR Environmental Restoration
Analytical Results For DPI Phase C

Metals by CLP

	Background Level	UNITS	WSDP0003		WSDP0004		WSDP0005		WSDP0006		WSDP0007		WSDP0008	
			C-15, 18.5 '		F-26, 18'		Rinsate, '		H-32, 15.5'		G-22, 17'		G-22, (FD), 17'	
CHROMIUM		UG/L	3.7	J/B	8.7	J/B	NA		40.7		13.2		12.9	
MERCURY		UG/L	<0.2	/U	<0.2	/U	<0.2	/U	<0.2	/U	<0.2	/U	<0.2	/U

Table C2.2
LEHR Environmental Restoration
Analytical Results For DPI Phase C

Metals by CLP

Location Date	Background Level	UNITS	WSDP0009 J-24, 14'		WSDP0010 Rinsate, '	WSDP0011 A-14, 22'	
CHROMIUM		UG/L	15.1		NA	3.3	J/B
MERCURY		UG/L	<0.2	/U	NA	<0.2	/U

Table C2.2
LEHR Environmental Restoration
Analytical Results For DPI Phase C

Table Specifiers:

The following descriptions provide a brief explanation of codes used in association with the sample ids.

WS= Ground water sample
FD= Field Duplicate
= Shading indicates that the measured concentration is above background

Data Validation Qualifier Definitions:

The following definitions provide brief explanations of the data validation qualifiers assigned to results in the data review process.

U = The analyte was analyzed for, but was not detected above the reported sample quantitation limit.
J = The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.
N = The analysis indicates the presence of an analyte for which there is presumptive evidence to make a "tentative identification".
NJ = The analysis indicates the presence of an analyte that has been "tentatively identified" and the associated numerical value represents its approximate concentration.
UJ = The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.
R = The sample results are rejected due to serious deficiencies in the ability to analyze the sample and meet quality control criteria. The presence or absence of the analyte cannot be verified.

Data Validation Reason Code Definitions:

The following descriptions provide brief explanation of the cause for qualification of the results determined in the data review process. These reason codes are used in combination with data qualifier, i.e. "Uz" indicated the analyte is non-detect due to method blank contamination.

c = Calibration failure; poor or unstable response.
d = Matrix duplicate imprecision or matrix spike/matrix spike duplicate imprecision.
f = Field replicate or duplicate imprecision.
h = Holding time violation.
i = Internal standard failure.
l = Laboratory control sample (LCS) recovery failure.
m = Matrix spike/matrix spike duplicate (MS/MSD) recovery failure.
s = Surrogate spike recovery failure.
z = Method blank contamination.
/ = Validation Qualifier / Lab Qualifier.
B = Analyte was detected in the associated method blank.
E = Concentration exceeds calibration range.
P = Concentrations between the two GC columns are greater than 25% difference.
N= Spiked sample recovery not within control limits.
* = Duplicate analysis not within control limit.

Table C2.3
LEHR Environmental Restoration
Analytical Results For DPI Phase C

Pesticides by CLP

	Background Level	UNITS	SSDP0192		SSDP0193		SSDP0194		SSDP0195		SSDP0196		SSDP0197	
			E-9, 0'		E-9, 2'		E-9, 8'		E-9, 15'		E-9, 25'		C-15, 0'	
4,4'-DDD		UG/KG	<3.9	/U	<4.1	/U	<3.8	/U	<4.3	/U	1.8	J/J	<4.3	/U
4,4'-DDE		UG/KG	<3.9	/U	<4.1	/U	<3.8	/U	<4.3	/U	1.8	J/JP	<4.3	/U
4,4'-DDT		UG/KG	<3.9	/U	<4.1	/U	<3.8	/U	<4.3	/U	2.1	J/JP	<4.3	/U
ALDRIN		UG/KG	<2	/U	<2	/U	<1.9	/U	<2.1	/U	<1.9	/U	<2.1	/U
ALPHA-BHC		UG/KG	<2	/U	<2	/U	<1.9	/U	<2.1	/U	<1.9	/U	<2.1	/U
ALPHA-CHLORDANE		UG/KG	<2	/U	<2	/U	<1.9	/U	<2.1	/U	0.96	J/JP	<2.1	/U
BETA-BHC		UG/KG	<2	/U	<2	/U	<1.9	/U	<2.1	/U	<1.9	/U	<2.1	/U
DELTA-BHC		UG/KG	<2	/U	<2	/U	<1.9	/U	<2.1	/U	<1.9	/U	<2.1	/U
DIELDRIN		UG/KG	<3.9	/U	<4.1	/U	<3.8	/U	<4.3	/U	<3.9	/U	<4.3	/U
ENDOSULFAN I		UG/KG	<2	/U	<2	/U	<1.9	/U	<2.1	/U	<1.9	/U	<2.1	/U
ENDOSULFAN II		UG/KG	<3.9	/U	<4.1	/U	<3.8	/U	<4.3	/U	<3.9	/U	<4.3	/U
ENDOSULFAN SULFATE		UG/KG	<3.9	/U	<4.1	/U	<3.8	/U	<4.3	/U	<3.9	/U	<4.3	/U
ENDRIN		UG/KG	<3.9	/U	<4.1	/U	<3.8	/U	<4.3	/U	<3.9	/U	<4.3	/U
ENDRIN ALDEHYDE		UG/KG	<3.9	/U	<4.1	/U	<3.8	/U	<4.3	/U	<3.9	/U	<4.3	/U
ENDRIN KETONE		UG/KG	<3.9	/U	<4.1	/U	<3.8	/U	<4.3	/U	<3.9	/U	<4.3	/U
GAMMA-BHC		UG/KG	<2	/U	<2	/U	<1.9	/U	<2.1	/U	<1.9	/U	<2.1	/U
GAMMA-CHLORDANE		UG/KG	<2	/U	<2	/U	<1.9	/U	<2.1	/U	1.3	J/JP	<2.1	/U
HEPTACHLOR		UG/KG	<2	/U	<2	/U	<1.9	/U	<2.1	/U	<1.9	/U	<2.1	/U
HEPTACHLOR EPOXIDE		UG/KG	<2	/U	<2	/U	<1.9	/U	<2.1	/U	<1.9	/U	<2.1	/U
METHOXYCHLOR		UG/KG	<19.6	/U	<20.6	/U	<19.2	/U	<21.4	/U	<19.4	/U	<21.4	/U
PCB-1016		UG/KG	<39.2	/U	<41.2	/U	<38.3	/U	<42.7	/U	<38.8	/U	<42.7	/U
PCB-1221		UG/KG	<78.4	/U	<82.3	/U	<76.6	/U	<85.5	/U	<77.5	/U	<85.5	/U
PCB-1232		UG/KG	<39.2	/U	<41.2	/U	<38.3	/U	<42.7	/U	<38.8	/U	<42.7	/U
PCB-1242		UG/KG	<39.2	/U	<41.2	/U	<38.3	/U	<42.7	/U	<38.8	/U	<42.7	/U
PCB-1248		UG/KG	<39.2	/U	<41.2	/U	<38.3	/U	<42.7	/U	<38.8	/U	<42.7	/U
PCB-1254		UG/KG	<39.2	/U	<41.2	/U	<38.3	/U	<42.7	/U	<38.8	/U	<42.7	/U

Table C2.3
LEHR Environmental Restoration
Analytical Results For DPI Phase C

Pesticides by CLP

	Background Level	UNITS	SSDP0192		SSDP0193		SSDP0194		SSDP0195		SSDP0196		SSDP0197	
			E-9, 0'		E-9, 2'		E-9, 8'		E-9, 15'		E-9, 25'		C-15, 0'	
PCB-1260		UG/KG	<39.2	/U	<41.2	/U	<38.3	/U	<42.7	/U	<38.8	/U	<42.7	/U
TOXAPHENE		UG/KG	<196	/U	<206	/U	<192	/U	<214	/U	<194	/U	<214	/U

Table C2.3
LEHR Environmental Restoration
Analytical Results For DPI Phase C

Pesticides by CLP

	Background Level	UNITS	SSDP0198		SSDP0199		SSDP0200		SSDP0201		SSDP0202		SSDP0203	
			C-15, 2'		C-15, 10'		C-15, 20'		C-15, 25'		C-4, 0'		C-4, 2'	
4,4'-DDD		UG/KG	<3.9	/U	<4.1	/U	<3.8	/U	<4.3	/U	1.8	J/J	<4.3	/U
4,4'-DDE		UG/KG	<3.9	/U	<4.1	/U	<3.8	/U	<4.3	/U	1.8	J/JP	<4.3	/U
4,4'-DDT		UG/KG	<3.9	/U	<4.1	/U	<3.8	/U	<4.3	/U	2.1	J/JP	<4.3	/U
ALDRIN		UG/KG	<2	/U	<2	/U	<1.9	/U	<2.1	/U	<1.9	/U	<2.1	/U
ALPHA-BHC		UG/KG	<2	/U	<2	/U	<1.9	/U	<2.1	/U	<1.9	/U	<2.1	/U
ALPHA-CHLORDANE		UG/KG	<2	/U	<2	/U	<1.9	/U	<2.1	/U	0.96	J/JP	<2.1	/U
BETA-BHC		UG/KG	<2	/U	<2	/U	<1.9	/U	<2.1	/U	<1.9	/U	<2.1	/U
DELTA-BHC		UG/KG	<2	/U	<2	/U	<1.9	/U	<2.1	/U	<1.9	/U	<2.1	/U
DIELDRIN		UG/KG	<3.9	/U	<4.1	/U	<3.8	/U	<4.3	/U	<3.9	/U	<4.3	/U
ENDOSULFAN I		UG/KG	<2	/U	<2	/U	<1.9	/U	<2.1	/U	<1.9	/U	<2.1	/U
ENDOSULFAN II		UG/KG	<3.9	/U	<4.1	/U	<3.8	/U	<4.3	/U	<3.9	/U	<4.3	/U
ENDOSULFAN SULFATE		UG/KG	<3.9	/U	<4.1	/U	<3.8	/U	<4.3	/U	<3.9	/U	<4.3	/U
ENDRIN		UG/KG	<3.9	/U	<4.1	/U	<3.8	/U	<4.3	/U	<3.9	/U	<4.3	/U
ENDRIN ALDEHYDE		UG/KG	<3.9	/U	<4.1	/U	<3.8	/U	<4.3	/U	<3.9	/U	<4.3	/U
ENDRIN KETONE		UG/KG	<3.9	/U	<4.1	/U	<3.8	/U	<4.3	/U	<3.9	/U	<4.3	/U
GAMMA-BHC		UG/KG	<2	/U	<2	/U	<1.9	/U	<2.1	/U	<1.9	/U	<2.1	/U
GAMMA-CHLORDANE		UG/KG	<2	/U	<2	/U	<1.9	/U	<2.1	/U	1.3	J/JP	<2.1	/U
HEPTACHLOR		UG/KG	<2	/U	<2	/U	<1.9	/U	<2.1	/U	<1.9	/U	<2.1	/U
HEPTACHLOR EPOXIDE		UG/KG	<2	/U	<2	/U	<1.9	/U	<2.1	/U	<1.9	/U	<2.1	/U
METHOXYCHLOR		UG/KG	<19.6	/U	<20.6	/U	<19.2	/U	<21.4	/U	<19.4	/U	<21.4	/U
PCB-1016		UG/KG	<39.2	/U	<41.2	/U	<38.3	/U	<42.7	/U	<38.8	/U	<42.7	/U
PCB-1221		UG/KG	<78.4	/U	<82.3	/U	<76.6	/U	<85.5	/U	<77.5	/U	<85.5	/U
PCB-1232		UG/KG	<39.2	/U	<41.2	/U	<38.3	/U	<42.7	/U	<38.8	/U	<42.7	/U
PCB-1242		UG/KG	<39.2	/U	<41.2	/U	<38.3	/U	<42.7	/U	<38.8	/U	<42.7	/U
PCB-1248		UG/KG	<39.2	/U	<41.2	/U	<38.3	/U	<42.7	/U	<38.8	/U	<42.7	/U
PCB-1254		UG/KG	<39.2	/U	<41.2	/U	<38.3	/U	<42.7	/U	<38.8	/U	<42.7	/U

Table C2.3
LEHR Environmental Restoration
Analytical Results For DPI Phase C

Pesticides by CLP

	Background Level	UNITS	SSDP0198		SSDP0199		SSDP0200		SSDP0201		SSDP0202		SSDP0203	
			C-15, 2'		C-15, 10'		C-15, 20'		C-15, 25'		C-4, 0'		C-4, 2'	
PCB-1260		UG/KG	<39.2	/U	<41.2	/U	<38.3	/U	<42.7	/U	<38.8	/U	<42.7	/U
TOXAPHENE		UG/KG	<196	/U	<206	/U	<192	/U	<214	/U	<194	/U	<214	/U

Table C2.3
LEHR Environmental Restoration
Analytical Results For DPI Phase C

Pesticides by CLP

	Background Level	UNITS	SSDP0204		SSDP0205		SSDP0206		SSDP0207		SSDP0208		SSDP0209	
			C-4, 8'		C-4, 20'		C-4, (FD), 21'		C-4, 25'		C-27, 0'		C-27, 2'	
4,4'-DDD		UG/KG	<4	/U	<4	/U	<3.9	/U	<4.1	/U	<4	/U	<3.7	/U
4,4'-DDE		UG/KG	<4	/U	<4	/U	<3.9	/U	<4.1	/U	1.9	J/JP	2.6	J/JP
4,4'-DDT		UG/KG	<4	/U	<4	/U	<3.9	/U	<4.1	/U	1.6	J/J	<3.7	/U
ALDRIN		UG/KG	<2	/U	<2	/U	<2	/U	<2	/U	<2	/U	<1.8	/U
ALPHA-BHC		UG/KG	<2	/U	<2	/U	<2	/U	<2	/U	<2	/U	<1.8	/U
ALPHA-CHLORDANE		UG/KG	<2	/U	<2	/U	<2	/U	<2	/U	7.2		13.7	
BETA-BHC		UG/KG	<2	/U	<2	/U	<2	/U	<2	/U	<2	/U	<1.8	/U
DELTA-BHC		UG/KG	<2	/U	<2	/U	<2	/U	<2	/U	<2	/U	<1.8	/U
DIELDRIN		UG/KG	<4	/U	<4	/U	<3.9	/U	<4.1	/U	<4	/U	<3.7	/U
ENDOSULFAN I		UG/KG	<2	/U	<2	/U	<2	/U	<2	/U	<2	/U	<1.8	/U
ENDOSULFAN II		UG/KG	<4	/U	<4	/U	<3.9	/U	<4.1	/U	<4	/U	<3.7	/U
ENDOSULFAN SULFATE		UG/KG	<4	/U	<4	/U	<3.9	/U	<4.1	/U	<4	/U	<3.7	/U
ENDRIN		UG/KG	<4	/U	<4	/U	<3.9	/U	<4.1	/U	<4	/U	<3.7	/U
ENDRIN ALDEHYDE		UG/KG	<4	/U	<4	/U	<3.9	/U	<4.1	/U	<4	/U	<3.7	/U
ENDRIN KETONE		UG/KG	<4	/U	<4	/U	<3.9	/U	<4.1	/U	<4	/U	<3.7	/U
GAMMA-BHC		UG/KG	<2	/U	<2	/U	<2	/U	<2	/U	<2	/U	<1.8	/U
GAMMA-CHLORDANE		UG/KG	<2	/U	<2	/U	<2	/U	<2	/U	6.5		12.4	
HEPTACHLOR		UG/KG	<2	/U	<2	/U	<2	/U	<2	/U	<2	/U	<1.8	/U
HEPTACHLOR EPOXIDE		UG/KG	<2	/U	<2	/U	<2	/U	<2	/U	0.71	J/J	<1.8	/U
METHOXYCHLOR		UG/KG	<19.8	/U	<20.1	/U	<19.6	/U	<20.6	/U	<19.8	/U	<18.3	/U
PCB-1016		UG/KG	<39.7	/U	<40.2	/U	<39.2	/U	<41.2	/U	<39.7	/U	<36.6	/U
PCB-1221		UG/KG	<79.4	/U	<80.3	/U	<78.4	/U	<82.3	/U	<79.4	/U	<73.3	/U
PCB-1232		UG/KG	<39.7	/U	<40.2	/U	<39.2	/U	<41.2	/U	<39.7	/U	<36.6	/U
PCB-1242		UG/KG	<39.7	/U	<40.2	/U	<39.2	/U	<41.2	/U	<39.7	/U	<36.6	/U
PCB-1248		UG/KG	<39.7	/U	<40.2	/U	<39.2	/U	<41.2	/U	<39.7	/U	<36.6	/U
PCB-1254		UG/KG	<39.7	/U	<40.2	/U	<39.2	/U	<41.2	/U	<39.7	/U	<36.6	/U

Table C2.3
LEHR Environmental Restoration
Analytical Results For DPI Phase C

Pesticides by CLP

	Background Level	UNITS	SSDP0204		SSDP0205		SSDP0206		SSDP0207		SSDP0208		SSDP0209	
			C-4, 8'		C-4, 20'		C-4, (FD), 21'		C-4, 25'		C-27, 0'		C-27, 2'	
PCB-1260		UG/KG	<39.7	/U	<40.2	/U	<39.2	/U	<41.2	/U	<39.7	/U	<36.6	/U
TOXAPHENE		UG/KG	<198	/U	<201	/U	<196	/U	<206	/U	<198	/U	<183	/U

Table C2.3
LEHR Environmental Restoration
Analytical Results For DPI Phase C

Pesticides by CLP

	Background Level	UNITS	SSDP0210		SSDP0211		SSDP0212		SSDP0213		SSDP0214		SSDP0215	
			C-27, 5'		C-27, 15'		C-27, 25'		E-2, 0'		E-2, 2'		E-2, 10'	
4,4'-DDD		UG/KG	<3.9	/U	<4.1	/U	<4.2	/U	2.1	J/JP	0.68	J/JP	<4	/U
4,4'-DDE		UG/KG	<3.9	/U	<4.1	/U	<4.2	/U	4		2.7	J/J	<4	/U
4,4'-DDT		UG/KG	<3.9	/U	<4.1	/U	<4.2	/U	2.6	J/JP	0.77	J/JP	<4	/U
ALDRIN		UG/KG	<2	/U	<2.1	/U	<2.1	/U	<2	/U	<2	/U	<2	/U
ALPHA-BHC		UG/KG	<2	/U	<2.1	/U	<2.1	/U	<2	/U	<2	/U	<2	/U
ALPHA-CHLORDANE		UG/KG	<2	/U	<2.1	/U	<2.1	/U	15		<2	/U	<2	/U
BETA-BHC		UG/KG	<2	/U	<2.1	/U	<2.1	/U	<2	/U	<2	/U	<2	/U
DELTA-BHC		UG/KG	<2	/U	<2.1	/U	<2.1	/U	<2	/U	<2	/U	<2	/U
DIELDRIN		UG/KG	<3.9	/U	<4.1	/U	<4.2	/U	<4	/U	<4.1	/U	<4	/U
ENDOSULFAN I		UG/KG	<2	/U	<2.1	/U	<2.1	/U	<2	/U	<2	/U	<2	/U
ENDOSULFAN II		UG/KG	<3.9	/U	<4.1	/U	<4.2	/U	<4	/U	<4.1	/U	<4	/U
ENDOSULFAN SULFATE		UG/KG	<3.9	/U	<4.1	/U	<4.2	/U	<4	/U	<4.1	/U	<4	/U
ENDRIN		UG/KG	<3.9	/U	<4.1	/U	<4.2	/U	1.1	J/JP	<4.1	/U	<4	/U
ENDRIN ALDEHYDE		UG/KG	<3.9	/U	<4.1	/U	<4.2	/U	<4	/U	<4.1	/U	<4	/U
ENDRIN KETONE		UG/KG	<3.9	/U	<4.1	/U	<4.2	/U	<4	/U	<4.1	/U	<4	/U
GAMMA-BHC		UG/KG	<2	/U	<2.1	/U	<2.1	/U	<2	/U	<2	/U	<2	/U
GAMMA-CHLORDANE		UG/KG	<2	/U	<2.1	/U	<2.1	/U	14.8		<2	/U	<2	/U
HEPTACHLOR		UG/KG	<2	/U	<2.1	/U	<2.1	/U	<2	/U	<2	/U	<2	/U
HEPTACHLOR EPOXIDE		UG/KG	<2	/U	<2.1	/U	<2.1	/U	<2	/U	<2	/U	<2	/U
METHOXYCHLOR		UG/KG	<19.6	/U	<20.7	/U	<21.1	/U	<19.8	/U	<20.3	/U	<20	/U
PCB-1016		UG/KG	<39.2	/U	<41.4	/U	<42.2	/U	<39.6	/U	<40.6	/U	<40	/U
PCB-1221		UG/KG	<78.4	/U	<82.8	/U	<84.4	/U	<79.1	/U	<81.3	/U	<80	/U
PCB-1232		UG/KG	<39.2	/U	<41.4	/U	<42.2	/U	<39.6	/U	<40.6	/U	<40	/U
PCB-1242		UG/KG	<39.2	/U	<41.4	/U	<42.2	/U	<39.6	/U	<40.6	/U	<40	/U
PCB-1248		UG/KG	<39.2	/U	<41.4	/U	<42.2	/U	<39.6	/U	<40.6	/U	<40	/U
PCB-1254		UG/KG	<39.2	/U	<41.4	/U	<42.2	/U	<39.6	/U	<40.6	/U	<40	/U

Table C2.3
LEHR Environmental Restoration
Analytical Results For DPI Phase C

Pesticides by CLP

	Background Level	UNITS	SSDP0210		SSDP0211		SSDP0212		SSDP0213		SSDP0214		SSDP0215	
			C-27, 5 '		C-27, 15'		C-27, 25'		E-2, 0'		E-2, 2'		E-2, 10'	
PCB-1260		UG/KG	<39.2	/U	<41.4	/U	<42.2	/U	<39.6	/U	<40.6	/U	<40	/U
TOXAPHENE		UG/KG	<196	/U	<207	/U	<211	/U	<198	/U	<203	/U	<200	/U

Table C2.3
LEHR Environmental Restoration
Analytical Results For DPI Phase C

Pesticides by CLP

	Background Level	UNITS	SSDP0216		SSDP0217		SSDP0218		SSDP0219		SSDP0220		SSDP0221	
			E-2, 20'		E-2, 25'		F-26, 0'		F-26, 2'		F-26, 8'		F-26, 15'	
4,4'-DDD		UG/KG	<4	/U	<4.1	/U	<4.1	/U	<4.3	/U	<4	/U	<4.1	/U
4,4'-DDE		UG/KG	<4	/U	<4.1	/U	21.1	J/P	7.9	J/P	<4	/U	<4.1	/U
4,4'-DDT		UG/KG	<4	/U	<4.1	/U	4	J/JP	<4.3	/U	<4	/U	<4.1	/U
ALDRIN		UG/KG	<2	/U	<2	/U	<2	/U	<2.2	/U	<2	/U	<2	/U
ALPHA-BHC		UG/KG	<2	/U	<2	/U	<2	/U	<2.2	/U	<2	/U	<2	/U
ALPHA-CHLORDANE		UG/KG	<2	/U	<2	/U	100	J/E	6.5		<2	/U	<2	/U
BETA-BHC		UG/KG	<2	/U	<2	/U	<2	/U	<2.2	/U	<2	/U	<2	/U
DELTA-BHC		UG/KG	<2	/U	<2	/U	<2	/U	<2.2	/U	<2	/U	<2	/U
DIELDRIN		UG/KG	<4	/U	<4.1	/U	<4.1	/U	<4.3	/U	<4	/U	<4.1	/U
ENDOSULFAN I		UG/KG	<2	/U	<2	/U	<2	/U	<2.2	/U	<2	/U	<2	/U
ENDOSULFAN II		UG/KG	<4	/U	<4.1	/U	<4.1	/U	<4.3	/U	<4	/U	<4.1	/U
ENDOSULFAN SULFATE		UG/KG	<4	/U	<4.1	/U	<4.1	/U	<4.3	/U	<4	/U	<4.1	/U
ENDRIN		UG/KG	<4	/U	<4.1	/U	<4.1	/U	<4.3	/U	<4	/U	<4.1	/U
ENDRIN ALDEHYDE		UG/KG	<4	/U	<4.1	/U	<4.1	/U	<4.3	/U	<4	/U	<4.1	/U
ENDRIN KETONE		UG/KG	<4	/U	<4.1	/U	<4.1	/U	<4.3	/U	<4	/U	<4.1	/U
GAMMA-BHC		UG/KG	<2	/U	<2	/U	<2	/U	<2.2	/U	<2	/U	<2	/U
GAMMA-CHLORDANE		UG/KG	<2	/U	<2	/U	107	J/E	3.3	J/P	<2	/U	<2	/U
HEPTACHLOR		UG/KG	<2	/U	<2	/U	<2	/U	<2.2	/U	<2	/U	<2	/U
HEPTACHLOR EPOXIDE		UG/KG	<2	/U	<2	/U	13.4		9		<2	/U	<2	/U
METHOXYCHLOR		UG/KG	<19.8	/U	<20.3	/U	<20.5	/U	<21.5	/U	<19.9	/U	<20.3	/U
PCB-1016		UG/KG	<39.6	/U	<40.6	/U	<41	/U	<43	/U	<39.9	/U	<40.6	/U
PCB-1221		UG/KG	<79.1	/U	<81.3	/U	<82	/U	<86	/U	<79.8	/U	<81.3	/U
PCB-1232		UG/KG	<39.6	/U	<40.6	/U	<41	/U	<43	/U	<39.9	/U	<40.6	/U
PCB-1242		UG/KG	<39.6	/U	<40.6	/U	<41	/U	<43	/U	<39.9	/U	<40.6	/U
PCB-1248		UG/KG	<39.6	/U	<40.6	/U	<41	/U	<43	/U	<39.9	/U	<40.6	/U
PCB-1254		UG/KG	<39.6	/U	<40.6	/U	<41	/U	<43	/U	<39.9	/U	<40.6	/U

Table C2.3
LEHR Environmental Restoration
Analytical Results For DPI Phase C

Pesticides by CLP

	Background Level	UNITS	SSDP0216		SSDP0217		SSDP0218		SSDP0219		SSDP0220		SSDP0221	
			E-2, 20'		E-2, 25'		F-26, 0'		F-26, 2'		F-26, 8'		F-26, 15'	
PCB-1260		UG/KG	<39.6	/U	<40.6	/U	<41	/U	<43	/U	<39.9	/U	<40.6	/U
TOXAPHENE		UG/KG	<198	/U	<203	/U	<205	/U	<215	/U	<199	/U	<203	/U

Table C2.3
LEHR Environmental Restoration
Analytical Results For DPI Phase C

Pesticides by CLP

	Background Level	UNITS	SSDP0222		SSDP0223		SSDP0224		SSDP0225		SSDP0226		SSDP0227	
			F-26, 20 '		F-24, 0'		F-24, 2'		F-24, 10'		F-24, (FD), 11'		F-24, 20'	
4,4'-DDD		UG/KG	<3.9	/U	<4.1	/U	<4	/U	<4.1	/U	<4.1	/U	<3.9	/U
4,4'-DDE		UG/KG	<3.9	/U	2.1	J/JP	0.88	J/JP	<4.1	/U	<4.1	/U	<3.9	/U
4,4'-DDT		UG/KG	<3.9	/U	0.71	J/JP	1.1	J/JP	<4.1	/U	<4.1	/U	<3.9	/U
ALDRIN		UG/KG	<1.9	/U	<2	/U	<2	/U	<2	/U	<2	/U	<2	/U
ALPHA-BHC		UG/KG	<1.9	/U	<2	/U	<2	/U	<2	/U	<2	/U	<2	/U
ALPHA-CHLORDANE		UG/KG	<1.9	/U	8.1		1.2	J/JP	<2	/U	<2	/U	<2	/U
BETA-BHC		UG/KG	<1.9	/U	<2	/U	<2	/U	<2	/U	<2	/U	<2	/U
DELTA-BHC		UG/KG	<1.9	/U	<2	/U	<2	/U	<2	/U	<2	/U	<2	/U
DIELDRIN		UG/KG	<3.9	/U	<4.1	/U	<4	/U	<4.1	/U	<4.1	/U	<3.9	/U
ENDOSULFAN I		UG/KG	<1.9	/U	<2	/U	<2	/U	<2	/U	<2	/U	<2	/U
ENDOSULFAN II		UG/KG	<3.9	/U	<4.1	/U	<4	/U	<4.1	/U	<4.1	/U	<3.9	/U
ENDOSULFAN SULFATE		UG/KG	<3.9	/U	<4.1	/U	<4	/U	<4.1	/U	<4.1	/U	<3.9	/U
ENDRIN		UG/KG	<3.9	/U	<4.1	/U	<4	/U	<4.1	/U	<4.1	/U	<3.9	/U
ENDRIN ALDEHYDE		UG/KG	<3.9	/U	<4.1	/U	<4	/U	<4.1	/U	<4.1	/U	<3.9	/U
ENDRIN KETONE		UG/KG	<3.9	/U	<4.1	/U	<4	/U	<4.1	/U	<4.1	/U	<3.9	/U
GAMMA-BHC		UG/KG	<1.9	/U	<2	/U	<2	/U	<2	/U	<2	/U	<2	/U
GAMMA-CHLORDANE		UG/KG	<1.9	/U	6.6		0.84	J/JP	<2	/U	<2	/U	<2	/U
HEPTACHLOR		UG/KG	<1.9	/U	<2	/U	<2	/U	<2	/U	<2	/U	<2	/U
HEPTACHLOR EPOXIDE		UG/KG	<1.9	/U	<2	/U	0.68	J/JP	<2	/U	<2	/U	<2	/U
METHOXYCHLOR		UG/KG	<19.4	/U	<20.6	/U	<19.8	/U	<20.3	/U	<20.6	/U	<19.6	/U
PCB-1016		UG/KG	<38.8	/U	<41.2	/U	<39.7	/U	<40.6	/U	<41.2	/U	<39.2	/U
PCB-1221		UG/KG	<77.5	/U	<82.3	/U	<79.4	/U	<81.3	/U	<82.3	/U	<78.4	/U
PCB-1232		UG/KG	<38.8	/U	<41.2	/U	<39.7	/U	<40.6	/U	<41.2	/U	<39.2	/U
PCB-1242		UG/KG	<38.8	/U	<41.2	/U	<39.7	/U	<40.6	/U	<41.2	/U	<39.2	/U
PCB-1248		UG/KG	<38.8	/U	<41.2	/U	<39.7	/U	<40.6	/U	<41.2	/U	<39.2	/U
PCB-1254		UG/KG	<38.8	/U	<41.2	/U	<39.7	/U	<40.6	/U	<41.2	/U	<39.2	/U

Table C2.3
LEHR Environmental Restoration
Analytical Results For DPI Phase C

Pesticides by CLP

	Background Level	UNITS	SSDP0222		SSDP0223		SSDP0224		SSDP0225		SSDP0226		SSDP0227	
			F-26, 20 '		F-24, 0'		F-24, 2'		F-24, 10'		F-24, (FD), 11'		F-24, 20'	
PCB-1260		UG/KG	<38.8	/U	<41.2	/U	<39.7	/U	<40.6	/U	<41.2	/U	<39.2	/U
TOXAPHENE		UG/KG	<194	/U	<206	/U	<198	/U	<203	/U	<206	/U	<196	/U

Table C2.3
LEHR Environmental Restoration
Analytical Results For DPI Phase C

Pesticides by CLP

	Background Level	UNITS	SSDP0228		SSDP0229		SSDP0230		SSDP0231		SSDP0232		SSDP0233	
			G-12, 0 '		G-12, 2'		G-12, 8'		G-12, 20'		G-12, 25'		G-13, 0'	
4,4'-DDD		UG/KG	<4.2	/U	<4.6	/U	<4	/U	<3.9	/U	<4.1	/U	0.14	J/JP
4,4'-DDE		UG/KG	<4.2	/U	<4.6	/U	<4	/U	<3.9	/U	<4.1	/U	<4.1	/U
4,4'-DDT		UG/KG	<4.2	/U	<4.6	/U	<4	/U	<3.9	/U	<4.1	/U	<4.1	/U
ALDRIN		UG/KG	<2.1	/U	<2.3	/U	<2	/U	<1.9	/U	<2	/U	<2	/U
ALPHA-BHC		UG/KG	<2.1	/U	<2.3	/U	<2	/U	<1.9	/U	<2	/U	<2	/U
ALPHA-CHLORDANE		UG/KG	<2.1	/U	<2.3	/U	<2	/U	<1.9	/U	<2	/U	0.55	J/J
BETA-BHC		UG/KG	<2.1	/U	<2.3	/U	<2	/U	<1.9	/U	<2	/U	<2	/U
DELTA-BHC		UG/KG	<2.1	/U	<2.3	/U	<2	/U	<1.9	/U	<2	/U	<2	/U
DIELDRIN		UG/KG	<4.2	/U	<4.6	/U	<4	/U	<3.9	/U	<4.1	/U	<4.1	/U
ENDOSULFAN I		UG/KG	<2.1	/U	<2.3	/U	<2	/U	<1.9	/U	<2	/U	<2	/U
ENDOSULFAN II		UG/KG	<4.2	/U	<4.6	/U	<4	/U	<3.9	/U	<4.1	/U	<4.1	/U
ENDOSULFAN SULFATE		UG/KG	<4.2	/U	<4.6	/U	<4	/U	<3.9	/U	<4.1	/U	<4.1	/U
ENDRIN		UG/KG	<4.2	/U	<4.6	/U	<4	/U	<3.9	/U	<4.1	/U	<4.1	/U
ENDRIN ALDEHYDE		UG/KG	<4.2	/U	<4.6	/U	<4	/U	<3.9	/U	<4.1	/U	<4.1	/U
ENDRIN KETONE		UG/KG	<4.2	/U	<4.6	/U	<4	/U	<3.9	/U	<4.1	/U	<4.1	/U
GAMMA-BHC		UG/KG	<2.1	/U	<2.3	/U	<2	/U	<1.9	/U	<2	/U	<2	/U
GAMMA-CHLORDANE		UG/KG	<2.1	/U	<2.3	/U	<2	/U	<1.9	/U	<2	/U	0.5	J/JP
HEPTACHLOR		UG/KG	<2.1	/U	<2.3	/U	<2	/U	<1.9	/U	<2	/U	<2	/U
HEPTACHLOR EPOXIDE		UG/KG	<2.1	/U	<2.3	/U	<2	/U	<1.9	/U	<2	/U	<2	/U
METHOXYCHLOR		UG/KG	<20.8	/U	<23.1	/U	<20.1	/U	<19.4	/U	<20.6	/U	<20.6	/U
PCB-1016		UG/KG	<41.7	/U	<46.3	/U	<40.2	/U	<38.8	/U	<41.2	/U	<41.2	/U
PCB-1221		UG/KG	<83.3	/U	<92.6	/U	<80.3	/U	<77.5	/U	<82.3	/U	<82.3	/U
PCB-1232		UG/KG	<41.7	/U	<46.3	/U	<40.2	/U	<38.8	/U	<41.2	/U	<41.2	/U
PCB-1242		UG/KG	<41.7	/U	<46.3	/U	<40.2	/U	<38.8	/U	<41.2	/U	<41.2	/U
PCB-1248		UG/KG	<41.7	/U	<46.3	/U	<40.2	/U	<38.8	/U	<41.2	/U	<41.2	/U
PCB-1254		UG/KG	<41.7	/U	<46.3	/U	<40.2	/U	<38.8	/U	<41.2	/U	<41.2	/U

Table C2.3
LEHR Environmental Restoration
Analytical Results For DPI Phase C

Pesticides by CLP

	Background Level	UNITS	SSDP0228		SSDP0229		SSDP0230		SSDP0231		SSDP0232		SSDP0233	
			G-12, 0'		G-12, 2'		G-12, 8'		G-12, 20'		G-12, 25'		G-13, 0'	
PCB-1260		UG/KG	<41.7	/U	<46.3	/U	<40.2	/U	<38.8	/U	<41.2	/U	<41.2	/U
TOXAPHENE		UG/KG	<208	/U	<231	/U	<201	/U	<194	/U	<206	/U	<206	/U

Table C2.3
LEHR Environmental Restoration
Analytical Results For DPI Phase C

Pesticides by CLP

	Background Level	UNITS	SSDP0234		SSDP0235		SSDP0236		SSDP0237		SSDP0238		SSDP0239	
			G-13, 2'		G-13, 8'		G-13, 15'		G-13, 25'		F-29, 0'		F-29, 2'	
4,4'-DDD		UG/KG	<3.9	/U	<4.1	/U	<4.1	/U	<4.2	/U	0.4	J/JP	<4.6	/U
4,4'-DDE		UG/KG	2.4	J/JP	<4.1	/U	<4.1	/U	<4.2	/U	1	J/JP	<4.6	/U
4,4'-DDT		UG/KG	<3.9	/U	<4.1	/U	<4.1	/U	<4.2	/U	2	J/JP	1.6	J/J
ALDRIN		UG/KG	<2	/U	<2	/U	<2	/U	<2.1	/U	<2	/U	<2.3	/U
ALPHA-BHC		UG/KG	<2	/U	<2	/U	<2	/U	<2.1	/U	<2	/U	<2.3	/U
ALPHA-CHLORDANE		UG/KG	25.2		<2	/U	<2	/U	<2.1	/U	3.7		<2.3	/U
BETA-BHC		UG/KG	<2	/U	<2	/U	<2	/U	<2.1	/U	<2	/U	<2.3	/U
DELTA-BHC		UG/KG	<2	/U	<2	/U	<2	/U	<2.1	/U	<2	/U	<2.3	/U
DIELDRIN		UG/KG	<3.9	/U	<4.1	/U	<4.1	/U	<4.2	/U	<4	/U	0.86	J/JP
ENDOSULFAN I		UG/KG	<2	/U	<2	/U	<2	/U	<2.1	/U	<2	/U	<2.3	/U
ENDOSULFAN II		UG/KG	<3.9	/U	<4.1	/U	<4.1	/U	<4.2	/U	<4	/U	<4.6	/U
ENDOSULFAN SULFATE		UG/KG	<3.9	/U	<4.1	/U	<4.1	/U	<4.2	/U	<4	/U	<4.6	/U
ENDRIN		UG/KG	<3.9	/U	<4.1	/U	<4.1	/U	<4.2	/U	<4	/U	<4.6	/U
ENDRIN ALDEHYDE		UG/KG	<3.9	/U	<4.1	/U	<4.1	/U	<4.2	/U	<4	/U	<4.6	/U
ENDRIN KETONE		UG/KG	<3.9	/U	<4.1	/U	<4.1	/U	<4.2	/U	<4	/U	1.1	J/J
GAMMA-BHC		UG/KG	<2	/U	<2	/U	<2	/U	<2.1	/U	<2	/U	<2.3	/U
GAMMA-CHLORDANE		UG/KG	26.7		<2	/U	<2	/U	<2.1	/U	3.2	J/P	<2.3	/U
HEPTACHLOR		UG/KG	<2	/U	<2	/U	<2	/U	<2.1	/U	<2	/U	<2.3	/U
HEPTACHLOR EPOXIDE		UG/KG	1.3	J/JP	<2	/U	<2	/U	<2.1	/U	2.2	J/P	<2.3	/U
METHOXYCHLOR		UG/KG	<19.6	/U	<20.3	/U	<20.6	/U	<20.8	/U	<19.8	/U	<22.8	/U
PCB-1016		UG/KG	<39.2	/U	<40.6	/U	<41.2	/U	<41.7	/U	<39.7	/U	<45.7	/U
PCB-1221		UG/KG	<78.4	/U	<81.3	/U	<82.3	/U	<83.3	/U	<79.4	/U	<91.3	/U
PCB-1232		UG/KG	<39.2	/U	<40.6	/U	<41.2	/U	<41.7	/U	<39.7	/U	<45.7	/U
PCB-1242		UG/KG	<39.2	/U	<40.6	/U	<41.2	/U	<41.7	/U	<39.7	/U	<45.7	/U
PCB-1248		UG/KG	<39.2	/U	<40.6	/U	<41.2	/U	<41.7	/U	<39.7	/U	<45.7	/U
PCB-1254		UG/KG	<39.2	/U	<40.6	/U	<41.2	/U	<41.7	/U	<39.7	/U	<45.7	/U

Table C2.3
LEHR Environmental Restoration
Analytical Results For DPI Phase C

Pesticides by CLP

	Background Level	UNITS	SSDP0234		SSDP0235		SSDP0236		SSDP0237		SSDP0238		SSDP0239	
			G-13, 2'		G-13, 8'		G-13, 15'		G-13, 25'		F-29, 0'		F-29, 2'	
PCB-1260		UG/KG	<39.2	/U	<40.6	/U	<41.2	/U	<41.7	/U	<39.7	/U	<45.7	/U
TOXAPHENE		UG/KG	<196	/U	<203	/U	<206	/U	<208	/U	<198	/U	<228	/U

Table C2.3
LEHR Environmental Restoration
Analytical Results For DPI Phase C

Pesticides by CLP

	Background Level	UNITS	SSDP0240		SSDP0241		SSDP0242		SSDP0243		SSDP0244		SSDP0245	
			F-29, 5 '		F-29, 15'		F-29, 25'		H-32, 0'		H-32, 2'		H-32, 10'	
4,4'-DDD		UG/KG	1.3	J/JP	<4.1	/U	<4.2	/U	2.8	J/JP	<3.6	/U	<3.9	/U
4,4'-DDE		UG/KG	<3.9	/U	<4.1	/U	<4.2	/U	2.6	J/J	<3.6	/U	<3.9	/U
4,4'-DDT		UG/KG	1.4	J/JP	<4.1	/U	<4.2	/U	9.2		<3.6	/U	<3.9	/U
ALDRIN		UG/KG	<2	/U	<2	/U	<2.1	/U	<1.9	/U	<1.8	/U	<2	/U
ALPHA-BHC		UG/KG	<2	/U	<2	/U	<2.1	/U	<1.9	/U	<1.8	/U	<2	/U
ALPHA-CHLORDANE		UG/KG	<2	/U	<2	/U	<2.1	/U	0.88	J/JP	<1.8	/U	<2	/U
BETA-BHC		UG/KG	<2	/U	<2	/U	<2.1	/U	<1.9	/U	<1.8	/U	<2	/U
DELTA-BHC		UG/KG	<2	/U	<2	/U	<2.1	/U	<1.9	/U	<1.8	/U	<2	/U
DIELDRIN		UG/KG	<3.9	/U	<4.1	/U	<4.2	/U	<3.9	/U	<3.6	/U	<3.9	/U
ENDOSULFAN I		UG/KG	<2	/U	<2	/U	<2.1	/U	<1.9	/U	<1.8	/U	<2	/U
ENDOSULFAN II		UG/KG	<3.9	/U	<4.1	/U	<4.2	/U	<3.9	/U	<3.6	/U	<3.9	/U
ENDOSULFAN SULFATE		UG/KG	<3.9	/U	<4.1	/U	<4.2	/U	<3.9	/U	<3.6	/U	<3.9	/U
ENDRIN		UG/KG	<3.9	/U	<4.1	/U	<4.2	/U	<3.9	/U	<3.6	/U	<3.9	/U
ENDRIN ALDEHYDE		UG/KG	<3.9	/U	<4.1	/U	<4.2	/U	<3.9	/U	<3.6	/U	<3.9	/U
ENDRIN KETONE		UG/KG	<3.9	/U	<4.1	/U	<4.2	/U	<3.9	/U	<3.6	/U	<3.9	/U
GAMMA-BHC		UG/KG	<2	/U	<2	/U	<2.1	/U	<1.9	/U	<1.8	/U	<2	/U
GAMMA-CHLORDANE		UG/KG	<2	/U	<2	/U	<2.1	/U	0.39	J/J	<1.8	/U	<2	/U
HEPTACHLOR		UG/KG	<2	/U	<2	/U	<2.1	/U	<1.9	/U	<1.8	/U	<2	/U
HEPTACHLOR EPOXIDE		UG/KG	<2	/U	<2	/U	<2.1	/U	<1.9	/U	<1.8	/U	<2	/U
METHOXYCHLOR		UG/KG	<19.6	/U	<20.6	/U	<21.1	/U	<19.4	/U	<18.1	/U	<19.6	/U
PCB-1016		UG/KG	<39.2	/U	<41.2	/U	<42.2	/U	<38.8	/U	<36.2	/U	<39.2	/U
PCB-1221		UG/KG	<78.4	/U	<82.3	/U	<84.4	/U	<77.5	/U	<72.5	/U	<78.4	/U
PCB-1232		UG/KG	<39.2	/U	<41.2	/U	<42.2	/U	<38.8	/U	<36.2	/U	<39.2	/U
PCB-1242		UG/KG	<39.2	/U	<41.2	/U	<42.2	/U	<38.8	/U	<36.2	/U	<39.2	/U
PCB-1248		UG/KG	<39.2	/U	<41.2	/U	<42.2	/U	<38.8	/U	<36.2	/U	<39.2	/U
PCB-1254		UG/KG	<39.2	/U	<41.2	/U	<42.2	/U	<38.8	/U	<36.2	/U	<39.2	/U

Table C2.3
LEHR Environmental Restoration
Analytical Results For DPI Phase C

Pesticides by CLP

	Background Level	UNITS	SSDP0240		SSDP0241		SSDP0242		SSDP0243		SSDP0244		SSDP0245	
			F-29, 5 '		F-29, 15'		F-29, 25'		H-32, 0'		H-32, 2'		H-32, 10'	
PCB-1260		UG/KG	<39.2	/U	<41.2	/U	<42.2	/U	<38.8	/U	<36.2	/U	<39.2	/U
TOXAPHENE		UG/KG	<196	/U	<206	/U	<211	/U	<194	/U	<181	/U	<196	/U

Table C2.3
LEHR Environmental Restoration
Analytical Results For DPI Phase C

Pesticides by CLP

	Background Level	UNITS	SSDP0246		SSDP0247		SSDP0248		SSDP0249		SSDP0250		SSDP0251	
			H-32, 20 '		H-32, 25'		H-31, 0'		H-31, 2'		H-31, 5'		H-31, (FD), 6'	
4,4'-DDD		UG/KG	<3.9	/U	<3.9	/U	0.78	J/JP	<4.2	/U	<4.1	/U	<4.1	/U
4,4'-DDE		UG/KG	<3.9	/U	<3.9	/U	1.8	J/J	<4.2	/U	<4.1	/U	<4.1	/U
4,4'-DDT		UG/KG	<3.9	/U	<3.9	/U	3	J/JP	<4.2	/U	<4.1	/U	<4.1	/U
ALDRIN		UG/KG	<2	/U	<2	/U	<1.9	/U	<2.1	/U	<2	/U	<2	/U
ALPHA-BHC		UG/KG	<2	/U	<2	/U	<1.9	/U	<2.1	/U	<2	/U	<2	/U
ALPHA-CHLORDANE		UG/KG	<2	/U	<2	/U	2.5		<2.1	/U	<2	/U	<2	/U
BETA-BHC		UG/KG	<2	/U	<2	/U	<1.9	/U	<2.1	/U	<2	/U	<2	/U
DELTA-BHC		UG/KG	<2	/U	<2	/U	<1.9	/U	<2.1	/U	<2	/U	<2	/U
DIELDRIN		UG/KG	<3.9	/U	<3.9	/U	<3.9	/U	<4.2	/U	<4.1	/U	<4.1	/U
ENDOSULFAN I		UG/KG	<2	/U	<2	/U	<1.9	/U	<2.1	/U	<2	/U	<2	/U
ENDOSULFAN II		UG/KG	<3.9	/U	<3.9	/U	<3.9	/U	<4.2	/U	<4.1	/U	<4.1	/U
ENDOSULFAN SULFATE		UG/KG	<3.9	/U	<3.9	/U	<3.9	/U	<4.2	/U	<4.1	/U	<4.1	/U
ENDRIN		UG/KG	<3.9	/U	<3.9	/U	<3.9	/U	<4.2	/U	<4.1	/U	<4.1	/U
ENDRIN ALDEHYDE		UG/KG	<3.9	/U	<3.9	/U	<3.9	/U	<4.2	/U	<4.1	/U	<4.1	/U
ENDRIN KETONE		UG/KG	<3.9	/U	<3.9	/U	<3.9	/U	<4.2	/U	<4.1	/U	<4.1	/U
GAMMA-BHC		UG/KG	<2	/U	<2	/U	<1.9	/U	<2.1	/U	<2	/U	<2	/U
GAMMA-CHLORDANE		UG/KG	<2	/U	<2	/U	1.6	J/JP	<2.1	/U	<2	/U	<2	/U
HEPTACHLOR		UG/KG	<2	/U	<2	/U	<1.9	/U	<2.1	/U	<2	/U	<2	/U
HEPTACHLOR EPOXIDE		UG/KG	<2	/U	<2	/U	<1.9	/U	<2.1	/U	<2	/U	<2	/U
METHOXYCHLOR		UG/KG	<19.6	/U	<19.6	/U	<19.4	/U	<21.1	/U	<20.3	/U	<20.3	/U
PCB-1016		UG/KG	<39.2	/U	<39.2	/U	<38.8	/U	<42.2	/U	<40.6	/U	<40.6	/U
PCB-1221		UG/KG	<78.4	/U	<78.4	/U	<77.5	/U	<84.4	/U	<81.3	/U	<81.3	/U
PCB-1232		UG/KG	<39.2	/U	<39.2	/U	<38.8	/U	<42.2	/U	<40.6	/U	<40.6	/U
PCB-1242		UG/KG	<39.2	/U	<39.2	/U	<38.8	/U	<42.2	/U	<40.6	/U	<40.6	/U
PCB-1248		UG/KG	<39.2	/U	<39.2	/U	<38.8	/U	<42.2	/U	<40.6	/U	<40.6	/U
PCB-1254		UG/KG	<39.2	/U	<39.2	/U	<38.8	/U	<42.2	/U	<40.6	/U	<40.6	/U

Table C2.3
LEHR Environmental Restoration
Analytical Results For DPI Phase C

Pesticides by CLP

	Background Level	UNITS	SSDP0246		SSDP0247		SSDP0248		SSDP0249		SSDP0250		SSDP0251	
			H-32, 20 '		H-32, 25'		H-31, 0'		H-31, 2'		H-31, 5'		H-31, (FD), 6'	
PCB-1260		UG/KG	<39.2	/U	<39.2	/U	<38.8	/U	<42.2	/U	<40.6	/U	<40.6	/U
TOXAPHENE		UG/KG	<196	/U	<196	/U	<194	/U	<211	/U	<203	/U	<203	/U

Table C2.3
LEHR Environmental Restoration
Analytical Results For DPI Phase C

Pesticides by CLP

	Background Level	UNITS	SSDP0252		SSDP0253		SSDP0254		SSDP0255		SSDP0256		SSDP0257	
			H-31, 15'		H-31, 25'		H-26, 0'		H-26, 2'		H-26, 5'		H-26, 15'	
4,4'-DDD		UG/KG	<4.1	/U	<4	/U	1.1	J/JP	0.11	J/JP	<4.1	/U	<4.1	/U
4,4'-DDE		UG/KG	<4.1	/U	<4	/U	1.4	J/J	4.2	J/P	<4.1	/U	<4.1	/U
4,4'-DDT		UG/KG	<4.1	/U	<4	/U	1	J/JP	<3.7	/U	<4.1	/U	<4.1	/U
ALDRIN		UG/KG	<2	/U	<2	/U	<2	/U	<1.9	/U	<2	/U	<2	/U
ALPHA-BHC		UG/KG	<2	/U	<2	/U	<2	/U	<1.9	/U	<2	/U	<2	/U
ALPHA-CHLORDANE		UG/KG	<2	/U	<2	/U	6.5		46.2	J/E	<2	/U	<2	/U
BETA-BHC		UG/KG	<2	/U	<2	/U	<2	/U	<1.9	/U	<2	/U	<2	/U
DELTA-BHC		UG/KG	<2	/U	<2	/U	<2	/U	<1.9	/U	<2	/U	<2	/U
DIELDRIN		UG/KG	<4.1	/U	<4	/U	<3.9	/U	<3.7	/U	<4.1	/U	<4.1	/U
ENDOSULFAN I		UG/KG	<2	/U	<2	/U	<2	/U	<1.9	/U	<2	/U	<2	/U
ENDOSULFAN II		UG/KG	<4.1	/U	<4	/U	<3.9	/U	<3.7	/U	<4.1	/U	<4.1	/U
ENDOSULFAN SULFATE		UG/KG	<4.1	/U	<4	/U	<3.9	/U	<3.7	/U	<4.1	/U	<4.1	/U
ENDRIN		UG/KG	<4.1	/U	<4	/U	<3.9	/U	<3.7	/U	<4.1	/U	<4.1	/U
ENDRIN ALDEHYDE		UG/KG	<4.1	/U	<4	/U	<3.9	/U	<3.7	/U	<4.1	/U	<4.1	/U
ENDRIN KETONE		UG/KG	<4.1	/U	<4	/U	<3.9	/U	<3.7	/U	<4.1	/U	<4.1	/U
GAMMA-BHC		UG/KG	<2	/U	<2	/U	<2	/U	<1.9	/U	<2	/U	<2	/U
GAMMA-CHLORDANE		UG/KG	<2	/U	<2	/U	7.3		35.2	J/E	<2	/U	<2	/U
HEPTACHLOR		UG/KG	<2	/U	<2	/U	<2	/U	<1.9	/U	<2	/U	<2	/U
HEPTACHLOR EPOXIDE		UG/KG	<2	/U	<2	/U	0.65	J/J	3.3		<2	/U	<2	/U
METHOXYCHLOR		UG/KG	<20.6	/U	<19.8	/U	<19.6	/U	<18.7	/U	<20.3	/U	<20.6	/U
PCB-1016		UG/KG	<41.2	/U	<39.7	/U	<39.2	/U	<37.4	/U	<40.6	/U	<41.2	/U
PCB-1221		UG/KG	<82.3	/U	<79.4	/U	<78.4	/U	<74.9	/U	<81.3	/U	<82.3	/U
PCB-1232		UG/KG	<41.2	/U	<39.7	/U	<39.2	/U	<37.4	/U	<40.6	/U	<41.2	/U
PCB-1242		UG/KG	<41.2	/U	<39.7	/U	<39.2	/U	<37.4	/U	<40.6	/U	<41.2	/U
PCB-1248		UG/KG	<41.2	/U	<39.7	/U	<39.2	/U	<37.4	/U	<40.6	/U	<41.2	/U
PCB-1254		UG/KG	<41.2	/U	<39.7	/U	<39.2	/U	<37.4	/U	<40.6	/U	<41.2	/U

Table C2.3
LEHR Environmental Restoration
Analytical Results For DPI Phase C

Pesticides by CLP

	Background Level	UNITS	SSDP0252 H-31, 15'		SSDP0253 H-31, 25'		SSDP0254 H-26, 0'		SSDP0255 H-26, 2'		SSDP0256 H-26, 5'		SSDP0257 H-26, 15'	
PCB-1260		UG/KG	<41.2	/U	<39.7	/U	<39.2	/U	<37.4	/U	<40.6	/U	<41.2	/U
TOXAPHENE		UG/KG	<206	/U	<198	/U	<196	/U	<187	/U	<203	/U	<206	/U

Table C2.3
LEHR Environmental Restoration
Analytical Results For DPI Phase C

Pesticides by CLP

	Background Level	UNITS	SSDP0258		SSDP0259		SSDP0260		SSDP0261		SSDP0262		SSDP0263	
			H-26, 25 '		G-22, 0'		G-22, 2'		G-22, 5'		G-22, 15'		G-22, 25'	
4,4'-DDD		UG/KG	<4.1	/U	3.8	J/JP	<3.8	/U	<4.1	/U	<4.1	/U	<4.1	/U
4,4'-DDE		UG/KG	<4.1	/U	3	J/J	<3.8	/U	<4.1	/U	<4.1	/U	<4.1	/U
4,4'-DDT		UG/KG	<4.1	/U	14.5		<3.8	/U	<4.1	/U	<4.1	/U	<4.1	/U
ALDRIN		UG/KG	<2	/U	<1.9	/U	<1.9	/U	<2	/U	<2	/U	<2	/U
ALPHA-BHC		UG/KG	<2	/U	<1.9	/U	<1.9	/U	<2	/U	<2	/U	<2	/U
ALPHA-CHLORDANE		UG/KG	<2	/U	7.1		<1.9	/U	<2	/U	<2	/U	<2	/U
BETA-BHC		UG/KG	<2	/U	<1.9	/U	<1.9	/U	<2	/U	<2	/U	<2	/U
DELTA-BHC		UG/KG	<2	/U	<1.9	/U	<1.9	/U	<2	/U	<2	/U	<2	/U
DIELDRIN		UG/KG	<4.1	/U	1.3	J/JP	<3.8	/U	<4.1	/U	<4.1	/U	<4.1	/U
ENDOSULFAN I		UG/KG	<2	/U	<1.9	/U	<1.9	/U	<2	/U	<2	/U	<2	/U
ENDOSULFAN II		UG/KG	<4.1	/U	<3.9	/U	<3.8	/U	<4.1	/U	<4.1	/U	<4.1	/U
ENDOSULFAN SULFATE		UG/KG	<4.1	/U	<3.9	/U	<3.8	/U	<4.1	/U	<4.1	/U	<4.1	/U
ENDRIN		UG/KG	<4.1	/U	<3.9	/U	<3.8	/U	<4.1	/U	<4.1	/U	<4.1	/U
ENDRIN ALDEHYDE		UG/KG	<4.1	/U	<3.9	/U	<3.8	/U	<4.1	/U	<4.1	/U	<4.1	/U
ENDRIN KETONE		UG/KG	<4.1	/U	<3.9	/U	<3.8	/U	<4.1	/U	<4.1	/U	<4.1	/U
GAMMA-BHC		UG/KG	<2	/U	<1.9	/U	<1.9	/U	<2	/U	<2	/U	<2	/U
GAMMA-CHLORDANE		UG/KG	<2	/U	8.2		<1.9	/U	<2	/U	<2	/U	<2	/U
HEPTACHLOR		UG/KG	<2	/U	<1.9	/U	<1.9	/U	<2	/U	<2	/U	<2	/U
HEPTACHLOR EPOXIDE		UG/KG	<2	/U	0.96	J/JP	<1.9	/U	<2	/U	<2	/U	<2	/U
METHOXYCHLOR		UG/KG	<20.3	/U	<19.4	/U	<18.9	/U	<20.6	/U	<20.6	/U	<20.3	/U
PCB-1016		UG/KG	<40.6	/U	<38.8	/U	<37.9	/U	<41.2	/U	<41.2	/U	<40.6	/U
PCB-1221		UG/KG	<81.3	/U	<77.5	/U	<75.8	/U	<82.3	/U	<82.3	/U	<81.3	/U
PCB-1232		UG/KG	<40.6	/U	<38.8	/U	<37.9	/U	<41.2	/U	<41.2	/U	<40.6	/U
PCB-1242		UG/KG	<40.6	/U	<38.8	/U	<37.9	/U	<41.2	/U	<41.2	/U	<40.6	/U
PCB-1248		UG/KG	<40.6	/U	<38.8	/U	<37.9	/U	<41.2	/U	<41.2	/U	<40.6	/U
PCB-1254		UG/KG	<40.6	/U	<38.8	/U	<37.9	/U	<41.2	/U	<41.2	/U	<40.6	/U

Table C2.3
LEHR Environmental Restoration
Analytical Results For DPI Phase C

Pesticides by CLP

	Background Level	UNITS	SSDP0258		SSDP0259		SSDP0260		SSDP0261		SSDP0262		SSDP0263	
			H-26, 25 '		G-22, 0'		G-22, 2'		G-22, 5'		G-22, 15'		G-22, 25'	
PCB-1260		UG/KG	<40.6	/U	<38.8	/U	<37.9	/U	<41.2	/U	<41.2	/U	<40.6	/U
TOXAPHENE		UG/KG	<203	/U	<194	/U	<189	/U	<206	/U	<206	/U	<203	/U

Table C2.3
LEHR Environmental Restoration
Analytical Results For DPI Phase C

Pesticides by CLP

	Background Level	UNITS	SSDP0264		SSDP0264D L1		SSDP0265		SSDP0266		SSDP0267		SSDP0268	
			H-19, 0 '		H-19, 0'		H-19, 2'		H-19, 5'		H-19, 15'		H-19, 25'	
4,4'-DDD		UG/KG	<4.1	/U	<40.6	/U	<4.1	/U	<4.1	/U	<4	/U	<4	/U
4,4'-DDE		UG/KG	<4.1	/U	<40.6	/U	<4.1	/U	<4.1	/U	<4	/U	<4	/U
4,4'-DDT		UG/KG	<4.1	/U	<40.6	/U	<4.1	/U	<4.1	/U	<4	/U	<4	/U
ALDRIN		UG/KG	<2	UJs/U	<20.3	/U	<2	/U	<2	/U	<2	/U	<2	/U
ALPHA-BHC		UG/KG	<2	UJs/U	<20.3	/U	<2	/U	<2	/U	<2	/U	<2	/U
ALPHA-CHLORDANE		UG/KG	109	J/E	100		<2	/U	<2	/U	<2	/U	<2	/U
BETA-BHC		UG/KG	<2	UJs/U	<20.3	/U	<2	/U	<2	/U	<2	/U	<2	/U
DELTA-BHC		UG/KG	<2	UJs/U	<20.3	/U	<2	/U	<2	/U	<2	/U	<2	/U
DIELDRIN		UG/KG	<4.1	/U	<40.6	/U	<4.1	/U	<4.1	/U	<4	/U	<4	/U
ENDOSULFAN I		UG/KG	<2	UJs/U	<20.3	/U	<2	/U	<2	/U	<2	/U	<2	/U
ENDOSULFAN II		UG/KG	<4.1	/U	<40.6	/U	<4.1	/U	<4.1	/U	<4	/U	<4	/U
ENDOSULFAN SULFATE		UG/KG	<4.1	/U	<40.6	/U	<4.1	/U	<4.1	/U	<4	/U	<4	/U
ENDRIN		UG/KG	<4.1	/U	<40.6	/U	<4.1	/U	<4.1	/U	<4	/U	<4	/U
ENDRIN ALDEHYDE		UG/KG	<4.1	/U	<40.6	/U	<4.1	/U	<4.1	/U	<4	/U	<4	/U
ENDRIN KETONE		UG/KG	<4.1	/U	<40.6	/U	<4.1	/U	<4.1	/U	<4	/U	<4	/U
GAMMA-BHC		UG/KG	<2	UJs/U	<20.3	/U	<2	/U	<2	/U	<2	/U	<2	/U
GAMMA-CHLORDANE		UG/KG	122	J/E	100		<2	/U	<2	/U	<2	/U	<2	/U
HEPTACHLOR		UG/KG	<2	UJs/U	<20.3	/U	<2	/U	<2	/U	<2	/U	<2	/U
HEPTACHLOR EPOXIDE		UG/KG	7.4	Js/	6.4	J/JP	<2	/U	<2	/U	<2	/U	<2	/U
METHOXYCHLOR		UG/KG	<20.3	/U	<203	/U	<20.3	/U	<20.3	/U	<20.1	/U	<20.1	/U
PCB-1016		UG/KG	<40.6	UJs/U	<406	/U	<40.6	/U	<40.6	/U	<40.2	/U	<40.2	/U
PCB-1221		UG/KG	<81.3	UJs/U	<813	/U	<81.3	/U	<81.3	/U	<80.3	/U	<80.3	/U
PCB-1232		UG/KG	<40.6	UJs/U	<406	/U	<40.6	/U	<40.6	/U	<40.2	/U	<40.2	/U
PCB-1242		UG/KG	<40.6	UJs/U	<406	/U	<40.6	/U	<40.6	/U	<40.2	/U	<40.2	/U
PCB-1248		UG/KG	<40.6	/U	<406	/U	<40.6	/U	<40.6	/U	<40.2	/U	<40.2	/U
PCB-1254		UG/KG	<40.6	/U	<406	/U	<40.6	/U	<40.6	/U	<40.2	/U	<40.2	/U

Table C2.3
LEHR Environmental Restoration
Analytical Results For DPI Phase C

Pesticides by CLP

	Background Level	UNITS	SSDP0264		SSDP0264D L1		SSDP0265		SSDP0266		SSDP0267		SSDP0268	
			H-19, 0'		H-19, 0'		H-19, 2'		H-19, 5'		H-19, 15'		H-19, 25'	
PCB-1260		UG/KG	<40.6	/U	<406	/U	<40.6	/U	<40.6	/U	<40.2	/U	<40.2	/U
TOXAPHENE		UG/KG	<203	/U	<2,030	/U	<203	/U	<203	/U	<201	/U	<201	/U

Table C2.3
LEHR Environmental Restoration
Analytical Results For DPI Phase C

Pesticides by CLP

	Background Level	UNITS	SSDP0269		SSDP0270		SSDP0271		SSDP0272		SSDP0273		SSDP0274	
			I-10, 0'		I-10, 2'		I-10, 8'		I-10, 15'		I-10, 25'		J-24, 0'	
4,4'-DDD		UG/KG	NA		<4.3	/U	<4	/U	<4.1	/U	<4.2	/U	<3.8	/U
4,4'-DDE		UG/KG	NA		<4.3	/U	<4	/U	<4.1	/U	<4.2	/U	<3.8	/U
4,4'-DDT		UG/KG	NA		<4.3	/U	<4	/U	<4.1	/U	<4.2	/U	<3.8	/U
ALDRIN		UG/KG	NA		<2.2	/U	<2	/U	<2	/U	<2.1	/U	<1.9	/U
ALPHA-BHC		UG/KG	NA		<2.2	/U	<2	/U	<2	/U	<2.1	/U	<1.9	/U
ALPHA-CHLORDANE		UG/KG	NA		18.8		0.47	J/JP	<2	/U	<2.1	/U	18.4	
BETA-BHC		UG/KG	NA		<2.2	/U	<2	/U	<2	/U	<2.1	/U	<1.9	/U
DELTA-BHC		UG/KG	NA		<2.2	/U	<2	/U	<2	/U	<2.1	/U	<1.9	/U
DIELDRIN		UG/KG	NA		<4.3	/U	<4	/U	<4.1	/U	<4.2	/U	<3.8	/U
ENDOSULFAN I		UG/KG	NA		<2.2	/U	<2	/U	<2	/U	<2.1	/U	<1.9	/U
ENDOSULFAN II		UG/KG	NA		<4.3	/U	<4	/U	<4.1	/U	<4.2	/U	<3.8	/U
ENDOSULFAN SULFATE		UG/KG	NA		<4.3	/U	<4	/U	<4.1	/U	<4.2	/U	<3.8	/U
ENDRIN		UG/KG	NA		<4.3	/U	<4	/U	<4.1	/U	<4.2	/U	<3.8	/U
ENDRIN ALDEHYDE		UG/KG	NA		<4.3	/U	<4	/U	<4.1	/U	<4.2	/U	<3.8	/U
ENDRIN KETONE		UG/KG	NA		<4.3	/U	<4	/U	<4.1	/U	<4.2	/U	<3.8	/U
GAMMA-BHC		UG/KG	NA		<2.2	/U	<2	/U	<2	/U	<2.1	/U	<1.9	/U
GAMMA-CHLORDANE		UG/KG	NA		13.9		0.3	J/J	<2	/U	<2.1	/U	20	
HEPTACHLOR		UG/KG	NA		<2.2	/U	<2	/U	<2	/U	<2.1	/U	<1.9	/U
HEPTACHLOR EPOXIDE		UG/KG	NA		<2.2	/U	<2	/U	<2	/U	<2.1	/U	<1.9	/U
METHOXYCHLOR		UG/KG	NA		<21.6	/U	<20.1	/U	<20.3	/U	<20.8	/U	<19.3	/U
PCB-1016		UG/KG	NA		<43.3	/U	<40.2	/U	<40.6	/U	<41.7	/U	<38.6	/U
PCB-1221		UG/KG	NA		<86.6	/U	<80.3	/U	<81.3	/U	<83.3	/U	<77.1	/U
PCB-1232		UG/KG	NA		<43.3	/U	<40.2	/U	<40.6	/U	<41.7	/U	<38.6	/U
PCB-1242		UG/KG	NA		<43.3	/U	<40.2	/U	<40.6	/U	<41.7	/U	<38.6	/U
PCB-1248		UG/KG	NA		<43.3	/U	<40.2	/U	<40.6	/U	<41.7	/U	<38.6	/U
PCB-1254		UG/KG	NA		<43.3	/U	<40.2	/U	<40.6	/U	<41.7	/U	<38.6	/U

Table C2.3
LEHR Environmental Restoration
Analytical Results For DPI Phase C

Pesticides by CLP

	Background Level	UNITS	SSDP0269		SSDP0270		SSDP0271		SSDP0272		SSDP0273		SSDP0274	
			I-10, 0'		I-10, 2'		I-10, 8'		I-10, 15'		I-10, 25'		J-24, 0'	
PCB-1260		UG/KG	NA		<43.3	/U	<40.2	/U	<40.6	/U	<41.7	/U	<38.6	/U
TOXAPHENE		UG/KG	NA		<216	/U	<201	/U	<203	/U	<208	/U	<193	/U

Table C2.3
LEHR Environmental Restoration
Analytical Results For DPI Phase C

Pesticides by CLP

	Background Level	UNITS	SSDP0275		SSDP0276		SSDP0277		SSDP0278		SSDP0279		SSDP0280	
			J-24, 2 '		J-24, 5'		J-24, 15'		J-24, 25'		J-17, 0'		J-17, (FD), 0'	
4,4'-DDD		UG/KG	<3.5	/U	<4	/U	<4	/U	<4	/U	<3.7	/U	<3.7	/U
4,4'-DDE		UG/KG	<3.5	/U	<4	/U	<4	/U	<4	/U	<3.7	/U	<3.7	/U
4,4'-DDT		UG/KG	<3.5	/U	<4	/U	<4	/U	<4	/U	<3.7	/U	<3.7	/U
ALDRIN		UG/KG	<1.7	/U	<2	/U	<2	/U	<2	/U	<1.9	/U	<1.8	/U
ALPHA-BHC		UG/KG	<1.7	/U	<2	/U	<2	/U	<2	/U	<1.9	/U	<1.8	/U
ALPHA-CHLORDANE		UG/KG	1.4	J/JP	<2	/U	<2	/U	<2	/U	2.7	J/P	0.27	J/JP
BETA-BHC		UG/KG	<1.7	/U	<2	/U	<2	/U	<2	/U	<1.9	/U	<1.8	/U
DELTA-BHC		UG/KG	<1.7	/U	<2	/U	<2	/U	<2	/U	<1.9	/U	<1.8	/U
DIELDRIN		UG/KG	<3.5	/U	<4	/U	<4	/U	<4	/U	<3.7	/U	<3.7	/U
ENDOSULFAN I		UG/KG	<1.7	/U	<2	/U	<2	/U	<2	/U	<1.9	/U	<1.8	/U
ENDOSULFAN II		UG/KG	<3.5	/U	<4	/U	<4	/U	<4	/U	<3.7	/U	<3.7	/U
ENDOSULFAN SULFATE		UG/KG	<3.5	/U	<4	/U	<4	/U	<4	/U	<3.7	/U	<3.7	/U
ENDRIN		UG/KG	<3.5	/U	<4	/U	<4	/U	<4	/U	<3.7	/U	<3.7	/U
ENDRIN ALDEHYDE		UG/KG	<3.5	/U	<4	/U	<4	/U	<4	/U	<3.7	/U	<3.7	/U
ENDRIN KETONE		UG/KG	<3.5	/U	<4	/U	<4	/U	<4	/U	<3.7	/U	<3.7	/U
GAMMA-BHC		UG/KG	<1.7	/U	<2	/U	<2	/U	<2	/U	<1.9	/U	<1.8	/U
GAMMA-CHLORDANE		UG/KG	1.4	J/J	<2	/U	<2	/U	<2	/U	2.7		<1.8	/U
HEPTACHLOR		UG/KG	<1.7	/U	<2	/U	<2	/U	<2	/U	<1.9	/U	<1.8	/U
HEPTACHLOR EPOXIDE		UG/KG	<1.7	/U	<2	/U	<2	/U	<2	/U	<1.9	/U	<1.8	/U
METHOXYCHLOR		UG/KG	<17.4	/U	<20	/U	<20	/U	<19.8	/U	<18.7	/U	<18.4	/U
PCB-1016		UG/KG	<34.7	/U	<40	/U	<40	/U	<39.6	/U	<37.4	/U	<36.8	/U
PCB-1221		UG/KG	<69.5	/U	<80	/U	<79.9	/U	<79.1	/U	<74.9	/U	<73.6	/U
PCB-1232		UG/KG	<34.7	/U	<40	/U	<40	/U	<39.6	/U	<37.4	/U	<36.8	/U
PCB-1242		UG/KG	<34.7	/U	<40	/U	<40	/U	<39.6	/U	<37.4	/U	<36.8	/U
PCB-1248		UG/KG	<34.7	/U	<40	/U	<40	/U	<39.6	/U	<37.4	/U	<36.8	/U
PCB-1254		UG/KG	<34.7	/U	<40	/U	<40	/U	<39.6	/U	<37.4	/U	<36.8	/U

Table C2.3
LEHR Environmental Restoration
Analytical Results For DPI Phase C

Pesticides by CLP

	Background Level	UNITS	SSDP0275		SSDP0276		SSDP0277		SSDP0278		SSDP0279		SSDP0280	
			J-24, 2'		J-24, 5'		J-24, 15'		J-24, 25'		J-17, 0'		J-17, (FD), 0'	
PCB-1260		UG/KG	<34.7	/U	<40	/U	<40	/U	<39.6	/U	<37.4	/U	<36.8	/U
TOXAPHENE		UG/KG	<174	/U	<200	/U	<200	/U	<198	/U	<187	/U	<184	/U

Table C2.3
LEHR Environmental Restoration
Analytical Results For DPI Phase C

Pesticides by CLP

	Background Level	UNITS	SSDP0281 J-17, 2'		SSDP0282 J-17, 10'	SSDP0283 J-17, 20'		SSDP0284 J-17, 25'		SSDP0285 C-15, 0'		SSDP0285D L1 C-15, 0'	
4,4'-DDD		UG/KG	<4.2	/U	NA	<3.8	/U	<3.9	/U	<3.9	/U	<77.5	/U
4,4'-DDE		UG/KG	<4.2	/U	NA	<3.8	/U	<3.9	/U	<3.9	/U	<77.5	/U
4,4'-DDT		UG/KG	<4.2	/U	NA	<3.8	/U	<3.9	/U	<3.9	/U	<77.5	/U
ALDRIN		UG/KG	<2.1	/U	NA	<1.9	/U	<2	/U	<1.9	/U	<38.8	/U
ALPHA-BHC		UG/KG	<2.1	/U	NA	<1.9	/U	<2	/U	<1.9	/U	<38.8	/U
ALPHA-CHLORDANE		UG/KG	1	J/JP	NA	<1.9	/U	0.38	J/J	386	J/E	410	
BETA-BHC		UG/KG	<2.1	/U	NA	<1.9	/U	<2	/U	<1.9	/U	<38.8	/U
DELTA-BHC		UG/KG	<2.1	/U	NA	<1.9	/U	<2	/U	<1.9	/U	<38.8	/U
DIELDRIN		UG/KG	<4.2	/U	NA	<3.8	/U	<3.9	/U	<3.9	/U	<77.5	/U
ENDOSULFAN I		UG/KG	<2.1	/U	NA	<1.9	/U	<2	/U	<1.9	/U	<38.8	/U
ENDOSULFAN II		UG/KG	<4.2	/U	NA	<3.8	/U	<3.9	/U	<3.9	/U	<77.5	/U
ENDOSULFAN SULFATE		UG/KG	<4.2	/U	NA	<3.8	/U	<3.9	/U	<3.9	/U	<77.5	/U
ENDRIN		UG/KG	<4.2	/U	NA	<3.8	/U	<3.9	/U	<3.9	/U	<77.5	/U
ENDRIN ALDEHYDE		UG/KG	<4.2	/U	NA	<3.8	/U	<3.9	/U	<3.9	/U	<77.5	/U
ENDRIN KETONE		UG/KG	<4.2	/U	NA	<3.8	/U	<3.9	/U	<3.9	/U	<77.5	/U
GAMMA-BHC		UG/KG	<2.1	/U	NA	<1.9	/U	<2	/U	<1.9	/U	<38.8	/U
GAMMA-CHLORDANE		UG/KG	1.1	J/JP	NA	<1.9	/U	<2	/U	239	J/EP	401	
HEPTACHLOR		UG/KG	<2.1	/U	NA	<1.9	/U	<2	/U	<1.9	/U	<38.8	/U
HEPTACHLOR EPOXIDE		UG/KG	<2.1	/U	NA	<1.9	/U	<2	/U	5.5	J/P	<38.8	/U
METHOXYCHLOR		UG/KG	<20.9	/U	NA	<19.3	/U	<19.5	/U	<19.4	/U	<388	/U
PCB-1016		UG/KG	<41.8	/U	NA	<38.5	/U	<39	/U	<38.8	/U	<775	/U
PCB-1221		UG/KG	<83.6	/U	NA	<77	/U	<78.1	/U	<77.5	/U	<1,550	/U
PCB-1232		UG/KG	<41.8	/U	NA	<38.5	/U	<39	/U	<38.8	/U	<775	/U
PCB-1242		UG/KG	<41.8	/U	NA	<38.5	/U	<39	/U	<38.8	/U	<775	/U
PCB-1248		UG/KG	<41.8	/U	NA	<38.5	/U	<39	/U	<38.8	/U	<775	/U
PCB-1254		UG/KG	<41.8	/U	NA	<38.5	/U	<39	/U	<38.8	/U	<775	/U

Table C2.3
LEHR Environmental Restoration
Analytical Results For DPI Phase C

Pesticides by CLP

	Background Level	UNITS	SSDP0281		SSDP0282	SSDP0283		SSDP0284		SSDP0285		SSDP0285D L1	
			J-17, 2'		J-17, 10'	J-17, 20'		J-17, 25'		C-15, 0'		C-15, 0'	
PCB-1260		UG/KG	<41.8	/U	NA	<38.5	/U	<39	/U	<38.8	/U	<775	/U
TOXAPHENE		UG/KG	<209	/U	NA	<193	/U	<195	/U	<194	/U	<3,880	/U

Table C2.3
LEHR Environmental Restoration
Analytical Results For DPI Phase C

Pesticides by CLP

	Background Level	UNITS	SSDP0286		SSDP0286D L1		SSDP0287		SSDP0287D L1		SSDP0288		SSDP0289	
			C-15, 2'		C-15, 2'		A-14, 0'		A-14, 0'		A-14, 2'		A-14, 5'	
4,4'-DDD		UG/KG	<3.6	/U	<17.9	/U	<3.7	/U	<14.6	/U	<4.1	/U	0.91	J/JP
4,4'-DDE		UG/KG	<3.6	/U	<17.9	/U	<3.7	/U	<14.6	/U	<4.1	/U	<4.3	/U
4,4'-DDT		UG/KG	<3.6	/U	<17.9	/U	<3.7	/U	<14.6	/U	<4.1	/U	0.22	J/JP
ALDRIN		UG/KG	<1.8	/U	<9	/U	<1.8	/U	<7.3	/U	<2	/U	<2.1	/U
ALPHA-BHC		UG/KG	<1.8	/U	<9	/U	<1.8	/U	<7.3	/U	<2	/U	<2.1	/U
ALPHA-CHLORDANE		UG/KG	90.2	J/E	83.6		45.8	J/E	45.6		0.6	J/JP	<2.1	/U
BETA-BHC		UG/KG	<1.8	/U	<9	/U	<1.8	/U	<7.3	/U	<2	/U	<2.1	/U
DELTA-BHC		UG/KG	<1.8	/U	<9	/U	<1.8	/U	<7.3	/U	<2	/U	<2.1	/U
DIELDRIN		UG/KG	<3.6	/U	<17.9	/U	<3.7	/U	<14.6	/U	<4.1	/U	0.28	J/JP
ENDOSULFAN I		UG/KG	<1.8	/U	<9	/U	<1.8	/U	<7.3	/U	<2	/U	<2.1	/U
ENDOSULFAN II		UG/KG	<3.6	/U	<17.9	/U	<3.7	/U	<14.6	/U	<4.1	/U	<4.3	/U
ENDOSULFAN SULFATE		UG/KG	<3.6	/U	<17.9	/U	<3.7	/U	<14.6	/U	<4.1	/U	<4.3	/U
ENDRIN		UG/KG	<3.6	/U	<17.9	/U	<3.7	/U	<14.6	/U	<4.1	/U	<4.3	/U
ENDRIN ALDEHYDE		UG/KG	<3.6	/U	<17.9	/U	<3.7	/U	<14.6	/U	<4.1	/U	<4.3	/U
ENDRIN KETONE		UG/KG	<3.6	/U	<17.9	/U	<3.7	/U	<14.6	/U	<4.1	/U	<4.3	/U
GAMMA-BHC		UG/KG	<1.8	/U	<9	/U	<1.8	/U	<7.3	/U	<2	/U	1	J/J
GAMMA-CHLORDANE		UG/KG	83.1	J/E	76.5		37.6	J/E	37.5		<2	/U	<2.1	/U
HEPTACHLOR		UG/KG	<1.8	/U	<9	/U	<1.8	/U	<7.3	/U	<2	/U	<2.1	/U
HEPTACHLOR EPOXIDE		UG/KG	2.9	J/P	2.7	J/JP	<1.8	/U	<7.3	/U	<2	/U	<2.1	/U
METHOXYCHLOR		UG/KG	<17.9	/U	<89.6	/U	<18.3	/U	<73.3	/U	<20.6	/U	<21.4	/U
PCB-1016		UG/KG	<35.8	/U	<179	/U	<36.6	/U	<146	/U	<41.2	/U	<42.7	/U
PCB-1221		UG/KG	<71.7	/U	<358	/U	<73.3	/U	<293	/U	<82.3	/U	<85.5	/U
PCB-1232		UG/KG	<35.8	/U	<179	/U	<36.6	/U	<146	/U	<41.2	/U	<42.7	/U
PCB-1242		UG/KG	<35.8	/U	<179	/U	<36.6	/U	<146	/U	<41.2	/U	<42.7	/U
PCB-1248		UG/KG	<35.8	/U	<179	/U	<36.6	/U	<146	/U	<41.2	/U	<42.7	/U
PCB-1254		UG/KG	<35.8	/U	<179	/U	<36.6	/U	<146	/U	<41.2	/U	<42.7	/U

Table C2.3
LEHR Environmental Restoration
Analytical Results For DPI Phase C

Pesticides by CLP

	Background Level	UNITS	SSDP0286		SSDP0286D L1		SSDP0287		SSDP0287D L1		SSDP0288		SSDP0289	
			C-15, 2'		C-15, 2'		A-14, 0'		A-14, 0'		A-14, 2'		A-14, 5'	
PCB-1260		UG/KG	<35.8	/U	<179	/U	<36.6	/U	<146	/U	<41.2	/U	<42.7	/U
TOXAPHENE		UG/KG	<179	/U	<896	/U	<183	/U	<733	/U	<206	/U	<214	/U

Table C2.3
LEHR Environmental Restoration
Analytical Results For DPI Phase C

Pesticides by CLP

	Background Level	UNITS	SSDP0290		SSDP0291		SSDP0292		SSDP0293		SSDP0294		SSDP0295	
			A-14, 15 '		A-14, 25'		A-12, 0'		A-12, 2'		A-12, 10'		A-12, 20'	
4,4'-DDD		UG/KG	<4	/U	<4	/U	0.43	J/J	<3.7	/U	<4	/U	<4	/U
4,4'-DDE		UG/KG	<4	/U	<4	/U	2.6	J/J	<3.7	/U	<4	/U	<4	/U
4,4'-DDT		UG/KG	<4	/U	<4	/U	1.8	J/J	<3.7	/U	<4	/U	<4	/U
ALDRIN		UG/KG	<2	/U	<2	/U	<1.8	/U	<1.8	/U	<2	/U	<2	/U
ALPHA-BHC		UG/KG	<2	/U	<2	/U	<1.8	/U	<1.8	/U	<2	/U	<2	/U
ALPHA-CHLORDANE		UG/KG	<2	/U	<2	/U	3.5		0.67	J/J	<2	/U	0.49	J/JP
BETA-BHC		UG/KG	<2	/U	<2	/U	<1.8	/U	<1.8	/U	<2	/U	<2	/U
DELTA-BHC		UG/KG	<2	/U	<2	/U	<1.8	/U	<1.8	/U	<2	/U	<2	/U
DIELDRIN		UG/KG	<4	/U	<4	/U	<3.7	/U	<3.7	/U	<4	/U	<4	/U
ENDOSULFAN I		UG/KG	<2	/U	<2	/U	<1.8	/U	<1.8	/U	<2	/U	<2	/U
ENDOSULFAN II		UG/KG	<4	/U	<4	/U	<3.7	/U	<3.7	/U	<4	/U	<4	/U
ENDOSULFAN SULFATE		UG/KG	<4	/U	<4	/U	<3.7	/U	<3.7	/U	<4	/U	<4	/U
ENDRIN		UG/KG	<4	/U	<4	/U	<3.7	/U	<3.7	/U	<4	/U	<4	/U
ENDRIN ALDEHYDE		UG/KG	<4	/U	<4	/U	<3.7	/U	<3.7	/U	<4	/U	<4	/U
ENDRIN KETONE		UG/KG	<4	/U	<4	/U	<3.7	/U	<3.7	/U	<4	/U	<4	/U
GAMMA-BHC		UG/KG	0.23	J/JP	<2	/U	<1.8	/U	<1.8	/U	<2	/U	<2	/U
GAMMA-CHLORDANE		UG/KG	<2	/U	<2	/U	2.4		0.32	J/JP	<2	/U	0.39	J/JP
HEPTACHLOR		UG/KG	<2	/U	<2	/U	<1.8	/U	<1.8	/U	<2	/U	<2	/U
HEPTACHLOR EPOXIDE		UG/KG	<2	/U	<2	/U	<1.8	/U	<1.8	/U	<2	/U	<2	/U
METHOXYCHLOR		UG/KG	<20.1	/U	<20.1	/U	<18.5	/U	<18.5	/U	<20.1	/U	<19.8	/U
PCB-1016		UG/KG	<40.2	/U	<40.2	/U	<37	/U	<37	/U	<40.2	/U	<39.7	/U
PCB-1221		UG/KG	<80.3	/U	<80.3	/U	<74.1	/U	<74.1	/U	<80.3	/U	<79.4	/U
PCB-1232		UG/KG	<40.2	/U	<40.2	/U	<37	/U	<37	/U	<40.2	/U	<39.7	/U
PCB-1242		UG/KG	<40.2	/U	<40.2	/U	<37	/U	<37	/U	<40.2	/U	<39.7	/U
PCB-1248		UG/KG	<40.2	/U	<40.2	/U	<37	/U	<37	/U	<40.2	/U	<39.7	/U
PCB-1254		UG/KG	<40.2	/U	<40.2	/U	<37	/U	<37	/U	<40.2	/U	<39.7	/U

Table C2.3
LEHR Environmental Restoration
Analytical Results For DPI Phase C

Pesticides by CLP

	Background Level	UNITS	SSDP0290		SSDP0291		SSDP0292		SSDP0293		SSDP0294		SSDP0295	
			A-14, 15 '		A-14, 25'		A-12, 0'		A-12, 2'		A-12, 10'		A-12, 20'	
PCB-1260		UG/KG	<40.2	/U	<40.2	/U	<37	/U	<37	/U	<40.2	/U	<39.7	/U
TOXAPHENE		UG/KG	<201	/U	<201	/U	<185	/U	<185	/U	<201	/U	<198	/U

Table C2.3
LEHR Environmental Restoration
Analytical Results For DPI Phase C

Pesticides by CLP

Location Date	Background Level	UNITS	SSDP0296 A-12, 25 '		SSDP0297 A-12, (FD), 26'	
4,4'-DDD		UG/KG	<3.9	/U	<3.8	/U
4,4'-DDE		UG/KG	<3.9	/U	<3.8	/U
4,4'-DDT		UG/KG	<3.9	/U	<3.8	/U
ALDRIN		UG/KG	<2	/U	<1.9	/U
ALPHA-BHC		UG/KG	<2	/U	<1.9	/U
ALPHA-CHLORDANE		UG/KG	<2	/U	0.71	J/J
BETA-BHC		UG/KG	<2	/U	<1.9	/U
DELTA-BHC		UG/KG	<2	/U	<1.9	/U
DIELDRIN		UG/KG	<3.9	/U	<3.8	/U
ENDOSULFAN I		UG/KG	<2	/U	<1.9	/U
ENDOSULFAN II		UG/KG	<3.9	/U	<3.8	/U
ENDOSULFAN SULFATE		UG/KG	<3.9	/U	<3.8	/U
ENDRIN		UG/KG	<3.9	/U	<3.8	/U
ENDRIN ALDEHYDE		UG/KG	<3.9	/U	<3.8	/U
ENDRIN KETONE		UG/KG	<3.9	/U	<3.8	/U
GAMMA-BHC		UG/KG	<2	/U	<1.9	/U
GAMMA-CHLORDANE		UG/KG	<2	/U	0.78	J/J
HEPTACHLOR		UG/KG	<2	/U	<1.9	/U
HEPTACHLOR EPOXIDE		UG/KG	<2	/U	<1.9	/U
METHOXYCHLOR		UG/KG	<19.6	/U	<19.2	/U
PCB-1016		UG/KG	<39.2	/U	<38.3	/U
PCB-1221		UG/KG	<78.4	/U	<76.6	/U
PCB-1232		UG/KG	<39.2	/U	<38.3	/U
PCB-1242		UG/KG	<39.2	/U	<38.3	/U
PCB-1248		UG/KG	<39.2	/U	<38.3	/U
PCB-1254		UG/KG	<39.2	/U	<38.3	/U

Table C2.3
LEHR Environmental Restoration
Analytical Results For DPI Phase C

Pesticides by CLP

Location Date	Background Level	UNITS	SSDP0296 A-12, 25'		SSDP0297 A-12, (FD), 26'	
PCB-1260		UG/KG	<39.2	/U	<38.3	/U
TOXAPHENE		UG/KG	<196	/U	<192	/U

Table C2.3
LEHR Environmental Restoration
Analytical Results For DPI Phase C

Pesticides by CLP

	Background Level	UNITS	WSDP0003	WSDP0004	WSDP0005		WSDP0006	WSDP0007	WSDP0008
			C-15, 18.5 '	F-26, 18'	Rinsate, '		H-32, 15.5'	G-22, 17'	G-22, (FD), 17'
4,4'-DDD		UG/L	NA	NA	<0.1	/U	NA	NA	NA
4,4'-DDE		UG/L	NA	NA	<0.1	/U	NA	NA	NA
4,4'-DDT		UG/L	NA	NA	<0.1	/U	NA	NA	NA
ALDRIN		UG/L	NA	NA	<0.05	/U	NA	NA	NA
ALPHA-BHC		UG/L	NA	NA	<0.05	/U	NA	NA	NA
ALPHA-CHLORDANE		UG/L	NA	NA	<0.05	/U	NA	NA	NA
BETA-BHC		UG/L	NA	NA	<0.05	/U	NA	NA	NA
DELTA-BHC		UG/L	NA	NA	<0.05	/U	NA	NA	NA
DIELDRIN		UG/L	NA	NA	<0.1	/U	NA	NA	NA
ENDOSULFAN I		UG/L	NA	NA	<0.05	/U	NA	NA	NA
ENDOSULFAN II		UG/L	NA	NA	<0.1	/U	NA	NA	NA
ENDOSULFAN SULFATE		UG/L	NA	NA	<0.1	/U	NA	NA	NA
ENDRIN		UG/L	NA	NA	<0.1	/U	NA	NA	NA
ENDRIN ALDEHYDE		UG/L	NA	NA	<0.1	/U	NA	NA	NA
ENDRIN KETONE		UG/L	NA	NA	<0.1	/U	NA	NA	NA
GAMMA-BHC		UG/L	NA	NA	<0.05	/U	NA	NA	NA
GAMMA-CHLORDANE		UG/L	NA	NA	<0.05	/U	NA	NA	NA
HEPTACHLOR		UG/L	NA	NA	<0.05	/U	NA	NA	NA
HEPTACHLOR EPOXIDE		UG/L	NA	NA	<0.05	/U	NA	NA	NA
METHOXYCHLOR		UG/L	NA	NA	<0.5	/U	NA	NA	NA
PCB-1016		UG/L	NA	NA	<1	/U	NA	NA	NA
PCB-1221		UG/L	NA	NA	<2	/U	NA	NA	NA
PCB-1232		UG/L	NA	NA	<1	/U	NA	NA	NA
PCB-1242		UG/L	NA	NA	<1	/U	NA	NA	NA
PCB-1248		UG/L	NA	NA	<1	/U	NA	NA	NA
PCB-1254		UG/L	NA	NA	<1	/U	NA	NA	NA

Table C2.3
LEHR Environmental Restoration
Analytical Results For DPI Phase C

Pesticides by CLP

	Background Level	UNITS	WSDP0003	WSDP0004	WSDP0005		WSDP0006	WSDP0007	WSDP0008
			C-15, 18.5 '	F-26, 18'	Rinsate, '		H-32, 15.5'	G-22, 17'	G-22, (FD), 17'
PCB-1260		UG/L	NA	NA	<1	/U	NA	NA	NA
TOXAPHENE		UG/L	NA	NA	<10	/U	NA	NA	NA

Table C2.3
LEHR Environmental Restoration
Analytical Results For DPI Phase C

Table Specifiers:

The following descriptions provide a brief explanation of codes used in association with the sample ids.

WS= Ground water sample
FD= Field Duplicate
= Shading indicates that the measured concentration is above background

Data Validation Qualifier Definitions:

The following definitions provide brief explanations of the data validation qualifiers assigned to results in the data review process.

U = The analyte was analyzed for, but was not detected above the reported sample quantitation limit.
J = The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.
N = The analysis indicates the presence of an analyte for which there is presumptive evidence to make a "tentative identification".
NJ = The analysis indicates the presence of an analyte that has been "tentatively identified" and the associated numerical value represents its approximate concentration.
UJ = The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.
R = The sample results are rejected due to serious deficiencies in the ability to analyze the sample and meet quality control criteria. The presence or absence of the analyte cannot be verified.

Data Validation Reason Code Definitions:

The following descriptions provide brief explanation of the cause for qualification of the results determined in the data review process. These reason codes are used in combination with data qualifier, i.e. "Uz" indicated the analyte is non-detect due to method blank contamination.

c = Calibration failure; poor or unstable response.
d = Matrix duplicate imprecision or matrix spike/matrix spike duplicate imprecision.
f = Field replicate or duplicate imprecision.
h = Holding time violation.
i = Internal standard failure.
l = Laboratory control sample (LCS) recovery failure.
m = Matrix spike/matrix spike duplicate (MS/MSD) recovery failure.
s = Surrogate spike recovery failure.
z = Method blank contamination.
/ = Validation Qualifier / Lab Qualifier.
B = Analyte was detected in the associated method blank.
E = Concentration exceeds calibration range.
P = Concentrations between the two GC columns are greater than 25% difference.
N= Spiked sample recovery not within control limits.
* = Duplicate analysis not within control limit.

Table C2.4
LEHR Environmental Restoration
Analytical Results For DPI Phase C

RADs

Lab_chem	Background Levels	Units	LEHR-SS-DP-0192 E-9, 0 '				LEHR-SS-DP-0193 E-9, 2 '				LEHR-SS-DP-0194 E-9, 8 '				LEHR-SS-DP-0195 E-9, 15 '			
			Value		Uncert	MDA	Value		Uncert	MDA	Value		Uncert	MDA	Value		Uncert	MDA
ACTINIUM-228	0.64	PCI/G	0.416	/J	0.12	0.131	0.299	/J	0.141	0.101	0.0814	/J	0.0216	0.0015	0.599		0.173	0.116
BISMUTH-212	0.43	PCI/G	0.49	/J	0.232	0.213	0.49	/J	0.267	0.208	0.0456	/J	0.0383	0.0031	0.623	/J	0.343	0.281
BISMUTH-214	0.54	PCI/G	0.481		0.0928	0.0642	0.339		0.0896	0.0576	0.114	/J	0.019	0.0008	0.601		0.113	0.0694
CARBON-14	0.13	PCI/G	-0.054	/U	0.424	0.729	-0.318	/U	0.451	0.786	-0.0273	/U	0.457	0.785	-0.298	/U	0.446	0.778
CESIUM-137	0.012	PCI/G	0.0167	/U	0.021	0.0388	-0.0104	/U	0.0167	0.0275	0.0	/U	0.0	0.0004	-0.0022	/U	0.0207	0.0367
COBALT-60	0.006	PCI/G	-0.0055	/U	0.0161	0.0283	0.009	/U	0.0208	0.0345	0.0	/U	0.0	0.0004	0.0141	/U	0.0227	0.0446
GROSS ALPHA	8.7	PCI/G	7.99		3.29	4.22	3.31	/U	2.34	3.79	8.4		3.23	3.58	7.03		3.05	3.72
LEAD-210	1.6	PCI/G	0.79	/U	1.95	2.88	0.548	/U	1.77	2.97	1.57	/J	1.35	0.0724	1.38	/U	3.46	3.45
LEAD-212	0.7	PCI/G	0.442		0.0837	0.0477	0.376		0.0666	0.0503	0.185		0.0273	0.001	0.72		0.103	0.0549
LEAD-214	0.58	PCI/G	0.554		0.112	0.0588	0.43		0.0785	0.0551	0.165	/J	0.0285	0.0009	0.778		0.134	0.0692
NONVOLATILE BETA	15	PCI/G	13.9		3.05	4.41	11.8		2.89	4.38	17.3		3.24	4.31	14.8		3.28	4.92
POTASSIUM-40	14	PCI/G	11.1		1.4	0.351	10.1		1.25	0.248	0.944	/J	0.116	0.0032	15		1.89	0.311
RADIUM-226	0.75	PCI/G	0.415	/J	0.0621	0.032	0.363	/J	0.0551	0.0205	0.6		0.0824	0.035	0.574		0.0844	0.0315
STRONTIUM-90	0.056	PCI/G	-0.141	/U	0.367	0.918	-0.151	/U	0.279	0.719	0.267	/U	0.354	0.774	0.134	/U	0.371	0.852
THALLIUM-208	0.22	PCI/G	0.188	/J	0.0451	0.0339	0.109	/J	0.0386	0.0257	0.0335	/J	0.0091	0.0004	0.201		0.054	0.0357
THORIUM-234	0.78	PCI/G	0.509	/U	0.973	0.958	0.595	/U	0.563	1.03	0.687	/J	0.311	0.0212	0.735	/U	1.07	1.09
URANIUM-235	0.039	PCI/G	0.182	/U	0.148	0.183	-0.0137	/U	0.0965	0.167	0.0	/U	0.0001	0.0035	0.101	/U	0.114	0.204
URANIUM-238	0.65	PCI/G	0.509	/U	0.973	0.958	0.595	/U	0.563	1.03	0.687	/J	0.311	0.0212	0.735	/U	1.07	1.09
WEIGHT OF SAMPLE, A		MG	40.5		NA	0.0	39.4		NA	0.0	40.3		NA	0.0	37.6		NA	0.0
WEIGHT OF SAMPLE, SR		MG	8.1		NA	0.0	8.7		NA	0.0	8.4		NA	0.0	6.9		NA	0.0

Table C2.4
LEHR Environmental Restoration
Analytical Results For DPI Phase C

RADs

Lab_chem	Background Levels	Units	LEHR-SS-DP-0196 E-9, 25 '				SSDP0197 C-15, 0 '				SSDP0198 C-15, 2 '				SSDP0199 C-15, 10 '			
			Value		Uncert	MDA	Value		Uncert	MDA	Value		Uncert	MDA	Value		Uncert	MDA
ACTINIUM-228	0.64	PCI/G	0.613		0.156	0.0994	0.502		0.148	0.0983	0.465	/J	0.122	0.0932	0.534		0.161	0.112
BISMUTH-212	0.43	PCI/G	0.316	/J	0.167	0.227	0.468	/J	0.191	0.232	0.28	/J	0.173	0.222	0.342	/J	0.225	0.27
BISMUTH-214	0.54	PCI/G	0.54		0.0922	0.0548	0.445		0.0865	0.0628	0.423		0.0875	0.047	0.51		0.107	0.0692
CARBON-14	0.13	PCI/G	-0.35	/U	0.438	0.765	0.77	/J	0.448	0.737	0.015	/U	0.403	0.691	-0.152	/U	0.402	0.696
CESIUM-137	0.012	PCI/G	0.0021	/U	0.0174	0.0277	0.0	/U	0.0258	0.051	0.0237	/U	0.0284	0.0265	-0.0062	/U	0.0204	0.0356
COBALT-60	0.006	PCI/G	0.0144	/U	0.018	0.0357	-0.0052	/U	0.0197	0.0335	-0.0012	/U	0.016	0.0295	-0.0137	/U	0.0208	0.0353
GROSS ALPHA	8.7	PCI/G	7.83		3.25	3.74	6.61		2.93	3.64	6.28		2.93	3.61	5.68		2.66	2.79
LEAD-210	1.6	PCI/G	1.91	/U	1.92	3.23	2.06	/U	5.68	6.08	0.148	/U	0.283	0.303	1.97	/U	2.65	3.5
LEAD-212	0.7	PCI/G	0.602		0.0865	0.0523	0.5		0.0826	0.0499	0.473		0.0725	0.0336	0.559		0.0883	0.0463
LEAD-214	0.58	PCI/G	0.584		0.106	0.0492	0.575		0.108	0.0612	0.447		0.086	0.0509	0.505		0.103	0.0609
NONVOLATILE BETA	15	PCI/G	18.6		3.73	5.37	15.2		3.19	4.68	13		3.08	4.67	14.5		3.37	5.14
POTASSIUM-40	14	PCI/G	11.1		1.37	0.271	13.2		1.59	0.283	11.3		1.31	0.227	11.4		1.41	0.384
RADIUM-226	0.75	PCI/G	0.51		0.0742	0.0243	0.432	/J	0.07	0.0296	0.417	/J	0.0648	0.0231	0.482	/J	0.0749	0.0333
STRONTIUM-90	0.056	PCI/G	0.462	/U	0.403	0.836	0.272	/U	0.303	0.64	-0.178	/U	0.264	0.51	0.0722	/U	0.224	0.519
THALLIUM-208	0.22	PCI/G	0.161	/J	0.0404	0.029	0.131	/J	0.0364	0.0333	0.156	/J	0.0408	0.024	0.143	/J	0.0477	0.0342
THORIUM-234	0.78	PCI/G	0.746	/U	0.919	0.916	1.14	/U	1.25	1.25	0.826	/J	0.47	0.33	0.439	/U	1.2	1
URANIUM-235	0.039	PCI/G	0.116	/U	0.174	0.175	0.104	/U	0.149	0.178	0.0524	/U	0.104	0.132	0.0839	/U	0.0988	0.17
URANIUM-238	0.65	PCI/G	0.746	/U	0.919	0.916	1.14	/U	1.25	1.25	0.826	/J	0.47	0.33	0.439	/U	1.2	1
WEIGHT OF SAMPLE, A		MG	36.9		NA	0.0	41		NA	0.0	42.3		NA	0.0	39.2		NA	0.0
WEIGHT OF SAMPLE, SR		MG	7.1		NA	0.0	8.4		NA	0.0	5.5		NA	0.0	9.3		NA	0.0

Table C2.4
LEHR Environmental Restoration
Analytical Results For DPI Phase C

RADs

Lab_chem	Background Levels	Units	SSDP0200 C-15, 20 '				SSDP0201 C-15, 25 '				SSDP0202 C-4, 0 '				SSDP0203 C-4, 2 '			
			Value		Uncert	MDA	Value		Uncert	MDA	Value		Uncert	MDA	Value		Uncert	MDA
ACTINIUM-228	0.64	PCI/G	0.564		0.176	0.0895	0.0	/U	0.192	0.3	0.478	/J	0.19	0.143	0.588		0.152	0.095
BISMUTH-212	0.43	PCI/G	**0.537**	/J	0.191	0.187	0.366	/U	0.421	0.406	0.354	/J	0.289	0.267	**0.446**	/J	0.205	0.209
BISMUTH-214	0.54	PCI/G	**0.619**		0.0987	0.0457	**0.575**		0.163	0.0978	0.464		0.095	0.0645	0.478		0.0994	0.053
CARBON-14	0.13	PCI/G	0.047	/U	0.485	0.83	-0.0305	/U	0.408	0.701	-0.26	/U	0.441	0.766	-0.304	/U	0.455	0.793
CESIUM-137	0.012	PCI/G	0.0	/U	0.0224	0.0422	0.0149	/U	0.0317	0.0506	0.0085	/U	0.0197	0.0373	0.0184	/U	0.0277	0.0283
COBALT-60	0.006	PCI/G	-0.0059	/U	0.018	0.0299	0.0136	/U	0.0291	0.0493	-0.0156	/U	0.0207	0.0351	0.0074	/U	0.0178	0.0343
GROSS ALPHA	8.7	PCI/G	**11**		3.49	2.98	6.45		3.24	4.61	4.21	/J	2.62	3.86	4.72	/U	3	4.97
LEAD-210	1.6	PCI/G	3.02	/U	5.16	5.2	1.66	/U	1.7	2.78	3.26	/U	2.37	4.27	0.454	/J	0.315	0.357
LEAD-212	0.7	PCI/G	0.682		0.0998	0.0394	0.424		0.105	0.0735	0.55		0.0891	0.046	0.509		0.0778	0.0373
LEAD-214	0.58	PCI/G	**0.665**		0.114	0.0461	0.439		0.133	0.0987	**0.598**		0.114	0.0659	0.537		0.102	0.0482
NONVOLATILE BETA	15	PCI/G	**15.4**		3.26	4.81	9.33		2.62	4.23	11.5		3.24	5.28	**16**		3.41	5.1
POTASSIUM-40	14	PCI/G	12.5		1.46	0.269	7.77		1.17	0.51	12.3		1.5	0.37	11.3		1.35	0.259
RADIUM-226	0.75	PCI/G	0.48	/J	0.0743	0.0298	0.428	/J	0.0657	0.0259	0.526		0.0731	0.0274	0.471	/J	0.0715	0.0266
STRONTIUM-90	0.056	PCI/G	-0.0233	/U	0.231	0.565	-0.0957	/U	0.165	0.432	-0.156	/U	0.321	0.819	-0.204	/U	0.221	0.606
THALLIUM-208	0.22	PCI/G	0.177	/J	0.0403	0.0253	0.149	/J	0.0686	0.0493	0.147	/J	0.0448	0.0359	0.206		0.047	0.0274
THORIUM-234	0.78	PCI/G	0.461	/U	0.883	1.07	**2.4**	/J	1.83	1.3	**1.22**	/J	1.04	1.05	0.54	/J	0.343	0.349
URANIUM-235	0.039	PCI/G	0.0354	/U	0.0836	0.148	0.15	/U	0.239	0.277	0.0595	/U	0.1	0.18	0.0705	/U	0.0802	0.149
URANIUM-238	0.65	PCI/G	0.461	/U	0.883	1.07	**2.4**		1.83	1.3	**1.22**		1.04	1.05	0.54	/J	0.343	0.349
WEIGHT OF SAMPLE, A		MG	40.3		NA	0.0	62.8		NA	0.0	40		NA	0.0	44.1		NA	0.0
WEIGHT OF SAMPLE, SR		MG	9.1		NA	0.0	10.3		NA	0.0	8.3		NA	0.0	9.4		NA	0.0

Table C2.4
LEHR Environmental Restoration
Analytical Results For DPI Phase C

RADs

Lab_chem	Background Levels	Units	SSDP0204 C-4, 8 '				SSDP0205 C-4, 20 '				SSDP0206 C-4, (FD), 21 '				SSDP0207 C-4, 25 '			
			Value		Uncert	MDA	Value		Uncert	MDA	Value		Uncert	MDA	Value		Uncert	MDA
ACTINIUM-228	0.64	PCI/G	0.0	/U	0.232	0.377	0.654		0.176	0.12	0.734		0.204	0.132	0.456	/J	0.137	0.113
BISMUTH-212	0.43	PCI/G	0.478	/U	0.507	0.569	0.468	/J	0.273	0.259	0.296	/U	0.249	0.3	0.42	/J	0.18	0.249
BISMUTH-214	0.54	PCI/G	0.525		0.166	0.127	0.628		0.126	0.0582	0.583		0.119	0.066	0.595		0.12	0.0562
CARBON-14	0.13	PCI/G	0.212	/U	0.464	0.786	-0.0628	/U	0.466	0.802	0.532	/U	0.449	0.749	0.959	/J	0.427	0.695
CESIUM-137	0.012	PCI/G	0.015	/U	0.0426	0.0682	-0.0083	/U	0.0207	0.0363	0.0394	/J	0.0426	0.0372	-0.0078	/U	0.0172	0.0293
COBALT-60	0.006	PCI/G	0.0119	/U	0.0372	0.0709	0.016	/U	0.0217	0.0437	-0.0035	/U	0.0217	0.0392	0.0041	/U	0.0216	0.0395
GROSS ALPHA	8.7	PCI/G	7.32		3.26	4.2	8.38		3.32	4.15	6.33		2.96	3.86	9.67		3.79	4.25
LEAD-210	1.6	PCI/G	0.76	/U	2.26	3.63	2.18	/U	4.06	4.38	0.408	/J	0.33	0.369	1.92	/U	2.83	2.45
LEAD-212	0.7	PCI/G	0.0	/U	0.125	0.169	0.587		0.103	0.0638	0.75		0.114	0.0482	0.539		0.0923	0.0463
LEAD-214	0.58	PCI/G	0.501		0.15	0.127	0.66		0.115	0.0617	0.642		0.109	0.0615	0.618		0.114	0.064
NONVOLATILE BETA	15	PCI/G	15.6		3.78	6.22	13.9		3.13	4.59	14.1		3.12	4.53	12.7		3.02	4.48
POTASSIUM-40	14	PCI/G	10.8		1.61	0.522	11.7		1.48	0.37	12.9		1.55	0.371	8.48		1.15	0.342
RADIUM-226	0.75	PCI/G	0.493	/J	0.0734	0.0296	0.577		0.0925	0.0299	0.505		0.0751	0.032	0.553		0.112	0.0543
STRONTIUM-90	0.056	PCI/G	0.0135	/U	0.271	0.653	0.0318	/U	0.237	0.541	-0.0541	/U	0.215	0.531	-0.157	/U	0.189	0.477
THALLIUM-208	0.22	PCI/G	0.23		0.0902	0.0675	0.188	/J	0.0479	0.0353	0.253		0.0611	0.0345	0.133	/J	0.0438	0.0328
THORIUM-234	0.78	PCI/G	1.62	/U	2.36	1.79	1.42	/J	1.41	1.12	0.149	/U	0.443	0.457	0.57	/U	1.16	0.907
URANIUM-235	0.039	PCI/G	0.226	/U	0.297	0.366	0.0442	/U	0.127	0.16	0.0017	/U	0.0991	0.173	0.191	/J	0.16	0.179
URANIUM-238	0.65	PCI/G	1.62	/U	2.36	1.79	1.42		1.41	1.12	0.149	/U	0.443	0.457	0.57	/U	1.16	0.907
WEIGHT OF SAMPLE, A		MG	39.5		NA	0.0	33.9		NA	0.0	37.3		NA	0.0	56.4		NA	0.0
WEIGHT OF SAMPLE, SR		MG	8.4		NA	0.0	9		NA	0.0	9.7		NA	0.0	9.9		NA	0.0

Table C2.4
LEHR Environmental Restoration
Analytical Results For DPI Phase C

RADs

Lab_chem	Background Levels	Units	SSDP0208 C-27, 0 '				SSDP0209 C-27, 2 '				SSDP0210 C-27, 5 '				SSDP0211 C-27, 15 '			
			Value		Uncert	MDA	Value		Uncert	MDA	Value		Uncert	MDA	Value		Uncert	MDA
ACTINIUM-228	0.64	PCI/G	0.516		0.161	0.118	0.458	/J	0.129	0.0899	**0.667**		0.233	0.162	**0.675**		0.152	0.102
BISMUTH-212	0.43	PCI/G	0.364	/J	0.256	0.233	0.292	/J	0.202	0.217	**0.449**	/J	0.3	0.347	**0.515**	/J	0.208	0.233
BISMUTH-214	0.54	PCI/G	0.516		0.0934	0.0568	0.374		0.0873	0.0491	**0.61**		0.15	0.102	**0.626**		0.112	0.0571
CARBON-14	0.13	PCI/G	0.0534	/U	0.398	0.681	0.129	/U	0.47	0.801	-0.231	/U	0.436	0.758	-0.298	/U	0.844	1.48
CESIUM-137	0.012	PCI/G	-0.0106	/U	0.0181	0.0299	0.0053	/U	0.0146	0.0274	-0.0107	/U	0.0261	0.046	-0.0102	/U	0.0186	0.0314
COBALT-60	0.006	PCI/G	0.0051	/U	0.0199	0.0364	-0.0058	/U	0.0162	0.0287	0.0362	/U	0.0282	0.0649	0.0009	/U	0.0204	0.037
GROSS ALPHA	8.7	PCI/G	4.82	/J	2.68	4.02	5.81		2.77	3.67	**12.4**		3.75	3.47	6.6		2.76	3.57
LEAD-210	1.6	PCI/G	1.53	/U	1.79	3.22	0.638	/U	2.2	2.56	0.154	/U	3.09	4.89	-0.265	/U	2	2.98
LEAD-212	0.7	PCI/G	0.487		0.077	0.0489	0.421		0.069	0.0378	0.551		0.102	0.0753	0.665		0.0951	0.0458
LEAD-214	0.58	PCI/G	**0.604**		0.109	0.0577	0.433		0.0882	0.0458	**0.637**		0.163	0.0944	**0.704**		0.119	0.054
NONVOLATILE BETA	15	PCI/G	**17.9**		3.25	4.32	7.09		2.41	4.1	**16.3**		3.1	4.16	14.4		3.17	4.98
POTASSIUM-40	14	PCI/G	13.2		1.56	0.294	10.6		1.3	0.253	13.1		1.92	0.497	**14.1**		1.73	0.293
RADIUM-226	0.75	PCI/G	0.461	/J	0.0737	0.0252	0.425	/J	0.0922	0.0444	0.551		0.085	0.0276	0.559		0.0852	0.0324
STRONTIUM-90	0.056	PCI/G	0.149	/U	0.231	0.512	-0.0646	/U	0.258	0.642	-0.151	/U	0.283	0.734	0.228	/U	0.263	0.565
THALLIUM-208	0.22	PCI/G	0.174	/J	0.0488	0.0303	0.118	/J	0.0356	0.0308	0.198	/J	0.0704	0.0427	**0.228**		0.047	0.0301
THORIUM-234	0.78	PCI/G	0.923	/U	0.996	1	0.311	/U	0.685	0.856	0.367	/U	0.997	1.58	0.475	/U	0.814	0.891
URANIUM-235	0.039	PCI/G	0.12	/U	0.107	0.189	0.0547	/U	0.0785	0.149	0.0132	/U	0.138	0.251	0.0399	/U	0.159	0.171
URANIUM-238	0.65	PCI/G	0.923	/U	0.996	1	0.311	/U	0.685	0.856	0.367	/U	0.997	1.58	0.475	/U	0.814	0.891
WEIGHT OF SAMPLE, A		MG	37.5		NA	0.0	43.1		NA	0.0	40.8		NA	0.0	38.5		NA	0.0
WEIGHT OF SAMPLE, SR		MG	8.1		NA	0.0	8.5		NA	0.0	7.8		NA	0.0	7.7		NA	0.0

Table C2.4
LEHR Environmental Restoration
Analytical Results For DPI Phase C

RADs

Lab_chem	Background Levels	Units	SSDP0212 C-27, 25 '				SSDP0213 E-2, 0 '				SSDP0214 E-2, 2 '				SSDP0215 E-2, 10 '			
			Value		Uncert	MDA	Value		Uncert	MDA	Value		Uncert	MDA	Value		Uncert	MDA
ACTINIUM-228	0.64	PCI/G	0.429	/J	0.138	0.124	0.478	/J	0.141	0.0902	0.518		0.16	0.101	0.492	/J	0.138	0.0968
BISMUTH-212	0.43	PCI/G	0.388	/J	0.287	0.229	0.493	/J	0.251	0.193	0.388	/J	0.155	0.218	0.435	/J	0.267	0.198
BISMUTH-214	0.54	PCI/G	0.529		0.101	0.061	0.508		0.0818	0.0433	0.5		0.0946	0.05	0.474		0.0919	0.0523
CARBON-14	0.13	PCI/G	-0.244	/U	0.815	1.42	0.692	/U	0.804	1.35	2.02		0.875	1.4	-0.277	/U	0.599	1.06
CESIUM-137	0.012	PCI/G	0.0038	/U	0.0179	0.0312	0.0223	/U	0.0196	0.0258	0.028	/J	0.0203	0.025	0.0011	/U	0.0162	0.0288
COBALT-60	0.006	PCI/G	0.0325	/U	0.0281	0.038	0.0102	/U	0.016	0.0296	-0.0028	/U	0.0167	0.0297	0.0082	/U	0.016	0.0309
GROSS ALPHA	8.7	PCI/G	6.7		2.89	3.55	7.58		2.69	2.7	6.59		2.56	2.68	3.86		2.9	2.44
LEAD-210	1.6	PCI/G	1.06	/U	2.16	2.53	1.63	/U	1.46	2.73	1.36	/U	1.76	2.76	1.33	/U	2.94	2.64
LEAD-212	0.7	PCI/G	0.551		0.0907	0.0438	0.684		0.0925	0.0383	0.524		0.0782	0.0419	0.553		0.0771	0.0395
LEAD-214	0.58	PCI/G	0.606		0.113	0.0581	0.619		0.101	0.0465	0.512		0.0914	0.0536	0.519		0.0893	0.0531
NONVOLATILE BETA	15	PCI/G	13.9		2.98	4.57	16.7		3.08	4.38	15.5		3.14	4.8	16.2		2.8	3.84
POTASSIUM-40	14	PCI/G	10.3		1.29	0.33	13		1.5	0.245	12.1		1.43	0.281	11.9		1.49	0.301
RADIUM-226	0.75	PCI/G	0.501		0.0816	0.0333	0.552		0.0802	0.0272	0.487	/J	0.0737	0.0305	0.465	/J	0.0692	0.0291
STRONTIUM-90	0.056	PCI/G	-0.0048	/U	0.233	0.561	0.473	/U	0.296	0.573	-0.0065	/U	0.264	0.643	0.329	/U	0.353	0.718
THALLIUM-208	0.22	PCI/G	0.15	/J	0.0464	0.0281	0.174	/J	0.0372	0.0259	0.173	/J	0.043	0.0246	0.142	/J	0.0339	0.0245
THORIUM-234	0.78	PCI/G	0.134	/U	0.74	0.858	0.984	/J	0.902	0.832	0.346	/U	0.799	0.841	0.511	/U	0.945	0.846
URANIUM-235	0.039	PCI/G	0.0551	/U	0.134	0.167	0.159	/J	0.164	0.155	0.0885	/U	0.159	0.159	0.0659	/U	0.0848	0.151
URANIUM-238	0.65	PCI/G	0.134	/U	0.74	0.858	0.984	/J	0.902	0.832	0.346	/U	0.799	0.841	0.511	/U	0.945	0.846
WEIGHT OF SAMPLE, A		MG	51.8		NA	0.0	38.9		NA	0.0	40.2		NA	0.0	43.9		NA	0.0
WEIGHT OF SAMPLE, SR		MG	9		NA	0.0	8.7		NA	0.0	7.3		NA	0.0	5.2		NA	0.0

Table C2.4
LEHR Environmental Restoration
Analytical Results For DPI Phase C

RADs

Lab_chem	Background Levels	Units	SSDP0216 E-2, 20 '				SSDP0217 E-2, 25 '				SSDP0218 F-26, 0 '				SSDP0219 F-26, 2 '			
			Value		Uncert	MDA	Value		Uncert	MDA	Value		Uncert	MDA	Value		Uncert	MDA
ACTINIUM-228	0.64	PCI/G	0.638		0.168	0.0929	0.591		0.167	0.108	0.506		0.126	0.103	0.435	/J	0.101	0.0636
BISMUTH-212	0.43	PCI/G	**0.508**	/J	0.206	0.191	**0.504**	/J	0.267	0.19	0.131	/U	0.182	0.191	0.231	/J	0.142	0.148
BISMUTH-214	0.54	PCI/G	0.433		0.0924	0.0528	0.511		0.0908	0.0436	0.477		0.0866	0.0446	0.398		0.0692	0.0341
CARBON-14	0.13	PCI/G	0.0509	/U	0.753	1.3	0.162	/U	0.728	1.25	-0.57	/U	0.801	1.42	0.887	/U	0.66	1.09
CESIUM-137	0.012	PCI/G	-0.0073	/U	0.0168	0.0282	-0.0145	/U	0.0164	0.0275	0.0186	/U	0.0343	0.025	0.0031	/U	0.0111	0.0192
COBALT-60	0.006	PCI/G	0.0205	/U	0.018	0.0352	0.0299	/U	0.0354	0.0314	0.0072	/U	0.0136	0.0262	-0.0014	/U	0.0114	0.0196
GROSS ALPHA	8.7	PCI/G	7.43		2.83	3.95	**9.02**		2.65	1.75	**10.6**		2.91	2.08	**9.45**		2.89	3.12
LEAD-210	1.6	PCI/G	1.23	/U	1.77	2.78	2.98	/U	2.29	3.89	0.567	/J	0.27	0.279	1.15	/U	1.87	1.79
LEAD-212	0.7	PCI/G	0.616		0.086	0.0426	0.623		0.0917	0.0393	0.469		0.0704	0.0338	0.445		0.0613	0.0273
LEAD-214	0.58	PCI/G	**0.634**		0.103	0.0522	0.577		0.102	0.0537	0.521		0.0905	0.0416	0.473		0.0768	0.0343
NONVOLATILE BETA	15	PCI/G	**16.3**		3.05	4.38	**16.1**		2.96	4.17	**16.8**		2.91	3.91	14.5		2.8	4.13
POTASSIUM-40	14	PCI/G	12.5		1.46	0.267	12.2		1.43	0.239	11.7		1.3	0.249	11.2		1.25	0.183
RADIUM-226	0.75	PCI/G	0.554		0.0812	0.0312	0.588		0.0873	0.0301	0.514		0.0812	0.0319	0.417	/J	0.0598	0.0231
STRONTIUM-90	0.056	PCI/G	0.172	/U	0.325	0.729	-0.0975	/U	0.337	0.832	0.0316	/U	0.299	0.711	0.0923	/U	0.241	0.552
THALLIUM-208	0.22	PCI/G	0.174	/J	0.0407	0.0261	**0.226**		0.0502	0.0265	0.155	/J	0.0378	0.0227	0.115	/J	0.027	0.0199
THORIUM-234	0.78	PCI/G	0.593	/U	0.572	0.943	0.27	/U	1.05	0.959	0.312	/J	0.38	0.299	**1**	/J	0.722	0.594
URANIUM-235	0.039	PCI/G	0.09	/U	0.0913	0.161	**0.257**	/J	0.183	0.155	0.026	/U	0.0659	0.119	0.0912	/U	0.134	0.113
URANIUM-238	0.65	PCI/G	0.593	/U	0.572	0.943	0.27	/U	1.05	0.959	0.312	/J	0.38	0.299	**1**		0.722	0.594
WEIGHT OF SAMPLE, A		MG	29.9		NA	0.0	39.1		NA	0.0	39.2		NA	0.0	39.8		NA	0.0
WEIGHT OF SAMPLE, SR		MG	7.5		NA	0.0	7.6		NA	0.0	7.2		NA	0.0	9.2		NA	0.0

Table C2.4
LEHR Environmental Restoration
Analytical Results For DPI Phase C

RADs

Lab_chem	Background Levels	Units	SSDP0220 F-26, 8'				SSDP0221 F-26, 15'				SSDP0222 F-26, 20'				SSDP0223 F-24, 0'			
			Value		Uncert	MDA	Value		Uncert	MDA	Value		Uncert	MDA	Value		Uncert	MDA
ACTINIUM-228	0.64	PCI/G	0.566		0.136	0.0725	0.64		0.159	0.0815	0.514		0.174	0.132	0.512		0.122	0.0692
BISMUTH-212	0.43	PCI/G	**0.435**	/J	0.186	0.156	0.416	/J	0.245	0.185	0.407	/J	0.234	0.266	0.302	/J	0.15	0.154
BISMUTH-214	0.54	PCI/G	0.531		0.0854	0.0382	**0.585**		0.0921	0.043	0.443		0.104	0.0716	0.486		0.0847	0.0338
CARBON-14	0.13	PCI/G	0.403	/U	0.874	1.49	0.126	/U	0.738	1.27	0.222	/U	0.753	1.29	-0.0139	/U	0.822	1.43
CESIUM-137	0.012	PCI/G	0.0025	/U	0.0121	0.0212	0.0052	/U	0.0139	0.0245	0.0144	/U	0.0192	0.0349	0.0004	/U	0.0209	0.0199
COBALT-60	0.006	PCI/G	0.0014	/U	0.0128	0.0228	0.0043	/U	0.0149	0.0271	0.0053	/U	0.0193	0.0352	0.0139	/U	0.0141	0.022
GROSS ALPHA	8.7	PCI/G	6.36		2.68	3.76	**15.2**		3.6	3.32	7.07		2.37	1.93	7.09		2.95	2.91
LEAD-210	1.6	PCI/G	-0.554	/U	4.27	6.58	0.821	/U	1.42	2.33	**2.56**	/J	2.02	1.83	0.269	/J	0.198	0.207
LEAD-212	0.7	PCI/G	0.681		0.0878	0.0318	0.653		0.0827	0.0342	0.595		0.0976	0.0485	0.528		0.0736	0.0251
LEAD-214	0.58	PCI/G	**0.661**		0.0998	0.0385	**0.691**		0.103	0.0437	0.421		0.107	0.0661	0.557		0.0875	0.0323
NONVOLATILE BETA	15	PCI/G	**15.4**		3.06	4.68	**20.2**		3.02	3.81	14.8		2.76	3.81	14		3.31	5.09
POTASSIUM-40	14	PCI/G	**15.3**		1.7	0.2	13.4		1.55	0.216	9.96		1.24	0.306	13.1		1.36	0.157
RADIUM-226	0.75	PCI/G	0.612		0.0921	0.0261	0.589		0.131	0.0676	0.4	/J	0.0674	0.0278	0.51		0.0684	0.0252
STRONTIUM-90	0.056	PCI/G	0.166	/U	0.274	0.609	0.0869	/U	0.327	0.745	-0.206	/U	0.251	0.675	0.189	/U	0.267	0.573
THALLIUM-208	0.22	PCI/G	0.188	/J	0.0313	0.0214	0.201		0.0388	0.0229	0.185	/J	0.0539	0.0327	0.166	/J	0.0327	0.0177
THORIUM-234	0.78	PCI/G	0.381	/U	1.04	1.05	0.439	/U	0.674	0.704	0.718	/U	1.19	0.994	0.618	/J	0.327	0.239
URANIUM-235	0.039	PCI/G	0.0541	/U	0.106	0.117	0.0327	/U	0.109	0.128	0.0312	/U	0.112	0.199	0.0459	/U	0.0524	0.0939
URANIUM-238	0.65	PCI/G	0.381	/U	1.04	1.05	0.439	/U	0.674	0.704	0.718	/U	1.19	0.994	0.618	/J	0.327	0.239
WEIGHT OF SAMPLE, A		MG	37.3		NA	0.0	41.2		NA	0.0	32.2		NA	0.0	39.7		NA	0.0
WEIGHT OF SAMPLE, SR		MG	9		NA	0.0	5.5		NA	0.0	8.3		NA	0.0	8		NA	0.0

Table C2.4
LEHR Environmental Restoration
Analytical Results For DPI Phase C

RADs

Lab_chem	Background Levels	Units	SSDP0224 F-24, 2 '				SSDP0225 F-24, 10 '				SSDP0226 F-24, (FD), 11 '				SSDP0227 F-24, 20 '			
			Value		Uncert	MDA	Value		Uncert	MDA	Value		Uncert	MDA	Value		Uncert	MDA
ACTINIUM-228	0.64	PCI/G	0.319	/J	0.117	0.068	0.545		0.175	0.114	0.571		0.141	0.103	0.68		0.154	0.103
BISMUTH-212	0.43	PCI/G	0.17	/J	0.153	0.158	0.372	/J	0.307	0.241	0.439	/J	0.192	0.222	0.236	/J	0.231	0.229
BISMUTH-214	0.54	PCI/G	0.359		0.0727	0.0369	0.47		0.0953	0.06	0.463		0.102	0.0573	0.497		0.0915	0.0505
CARBON-14	0.13	PCI/G	-0.293	/U	0.782	1.37	-0.231	/U	0.769	1.35	0.111	/U	0.827	1.43	0.243	/U	0.811	1.39
CESIUM-137	0.012	PCI/G	0.0022	/U	0.0112	0.0203	0.0136	/U	0.0187	0.033	-0.0161	/U	0.0184	0.0299	-0.0029	/U	0.0171	0.0294
COBALT-60	0.006	PCI/G	-0.0041	/U	0.0138	0.024	-0.0097	/U	0.0202	0.0334	-0.0039	/U	0.0164	0.0291	-0.011	/U	0.0202	0.0341
GROSS ALPHA	8.7	PCI/G	5.43		2.7	2.94	8.21		3.4	4.33	6.88		3.08	4.1	7.37		2.93	3.6
LEAD-210	1.6	PCI/G	1.13	/U	1.61	1.67	0.228	/U	2.47	3.01	1.31	/U	2.61	2.78	0.188	/U	5.72	8.7
LEAD-212	0.7	PCI/G	0.382		0.0627	0.0293	0.536		0.0826	0.049	0.563		0.0834	0.0456	0.627		0.088	0.0464
LEAD-214	0.58	PCI/G	0.452		0.0825	0.0357	0.536		0.0992	0.0634	0.563		0.102	0.0557	0.571		0.105	0.0551
NONVOLATILE BETA	15	PCI/G	11.8		3.25	5.2	10.5		3.13	5.28	12.2		3.45	5.89	13.4		2.9	4.26
POTASSIUM-40	14	PCI/G	8.46		0.982	0.173	11.6		1.44	0.309	10.9		1.35	0.28	11		1.37	0.306
RADIUM-226	0.75	PCI/G	0.361	/J	0.0551	0.02	0.466	/J	0.0737	0.0345	0.49	/J	0.0755	0.0331	0.556		0.084	0.029
STRONTIUM-90	0.056	PCI/G	-0.183	/U	0.294	0.721	-0.0161	/U	0.249	0.582	0.237	/U	0.196	0.399	-0.0798	/U	0.211	0.488
THALLIUM-208	0.22	PCI/G	0.113	/J	0.0277	0.0177	0.178	/J	0.0387	0.0273	0.183	/J	0.0388	0.0284	0.172	/J	0.037	0.0293
THORIUM-234	0.78	PCI/G	0.263	/U	0.529	0.588	1.48	/J	1.14	0.93	0.639	/U	0.906	0.917	0.729	/U	1.42	1.42
URANIUM-235	0.039	PCI/G	0.0445	/U	0.0981	0.115	0.103	/U	0.184	0.176	0.0776	/U	0.142	0.169	0.0996	/U	0.0899	0.159
URANIUM-238	0.65	PCI/G	0.263	/U	0.529	0.588	1.48		1.14	0.93	0.639	/U	0.906	0.917	0.729	/U	1.42	1.42
WEIGHT OF SAMPLE, A		MG	40		NA	0.0	39.5		NA	0.0	33.2		NA	0.0	33.6		NA	0.0
WEIGHT OF SAMPLE, SR		MG	7.5		NA	0.0	7.8		NA	0.0	8.7		NA	0.0	8.1		NA	0.0

Table C2.4
LEHR Environmental Restoration
Analytical Results For DPI Phase C

RADs

Lab_chem	Background Levels	Units	SSDP0228 G-12, 0'				SSDP0229 G-12, 2'				SSDP0230 G-12, 8'				SSDP0231 G-12, 20'			
			Value		Uncert	MDA	Value		Uncert	MDA	Value		Uncert	MDA	Value		Uncert	MDA
ACTINIUM-228	0.64	PCI/G	0.498	/J	0.147	0.0989	0.615		0.136	0.0824	0.64		0.169	0.106	0.523		0.168	0.116
BISMUTH-212	0.43	PCI/G	**0.53**	/J	0.261	0.195	0.327	/J	0.224	0.176	**0.568**	/J	0.199	0.21	**0.634**	/J	0.253	0.251
BISMUTH-214	0.54	PCI/G	0.49		0.09	0.0459	0.481		0.0851	0.046	0.512		0.0978	0.0593	0.0	/U	0.099	0.141
CARBON-14	0.13	PCI/G	-0.289	/U	0.726	1.28	-0.556	/U	0.806	1.43	0.0746	/U	0.666	1.15	0.0855	/U	0.763	1.32
CESIUM-137	0.012	PCI/G	-0.0058	/U	0.0139	0.0241	0.0027	/U	0.0144	0.0255	0.0007	/U	0.0157	0.0283	-0.0075	/U	0.019	0.033
COBALT-60	0.006	PCI/G	0.0008	/U	0.0156	0.0288	0.0006	/U	0.0161	0.0288	0.0072	/U	0.0224	0.036	-0.0001	/U	0.0213	0.0387
GROSS ALPHA	8.7	PCI/G	6.93		2.79	2.6	7.6		3.02	3.28	**9.83**		3.37	2.6	**9.73**		3.27	2.83
LEAD-210	1.6	PCI/G	0.0424	/U	1.61	2.51	1.03	/U	1.95	2.38	1.34	/U	2.43	3.94	2.07	/U	3.48	3.69
LEAD-212	0.7	PCI/G	0.497		0.0705	0.0373	0.607		0.0816	0.0363	0.587		0.0875	0.0419	0.629		0.0939	0.0473
LEAD-214	0.58	PCI/G	**0.601**		0.1	0.0473	0.576		0.0981	0.0457	**0.59**		0.109	0.0532	**0.593**		0.115	0.0626
NONVOLATILE BETA	15	PCI/G	**17.2**		3.2	4.2	**16.2**		3.18	4.37	**16.5**		3.3	4.7	**16.6**		3.41	4.84
POTASSIUM-40	14	PCI/G	12		1.46	0.249	12.2		1.4	0.211	11.2		1.38	0.273	11.5		1.43	0.354
RADIUM-226	0.75	PCI/G	0.541		0.0807	0.0332	0.569		0.0859	0.0259	0.545		0.117	0.0708	0.507		0.0823	0.0326
STRONTIUM-90	0.056	PCI/G	0.0105	/U	0.212	0.491	0.0865	/U	0.243	0.543	0.332	/U	0.255	0.514	-0.11	/U	0.171	0.424
THALLIUM-208	0.22	PCI/G	0.151	/J	0.0333	0.0246	0.166	/J	0.034	0.0239	0.195	/J	0.0508	0.0282	0.136	/J	0.051	0.0327
THORIUM-234	0.78	PCI/G	0.513	/U	0.775	0.77	0.584	/U	0.86	0.771	**1.15**	/J	1.18	0.99	**1.65**	/J	1.01	0.997
URANIUM-235	0.039	PCI/G	0.0377	/U	0.0751	0.136	0.0558	/U	0.136	0.14	**0.317**	/J	0.187	0.155	0.0161	/U	0.0976	0.165
URANIUM-238	0.65	PCI/G	0.513	/U	0.775	0.77	0.584	/U	0.86	0.771	**1.15**		1.18	0.99	**1.65**		1.01	0.997
WEIGHT OF SAMPLE, A		MG	36		NA	0.0	37.8		NA	0.0	42.7		NA	0.0	32		NA	0.0
WEIGHT OF SAMPLE, SR		MG	9		NA	0.0	9.3		NA	0.0	9.6		NA	0.0	8.8		NA	0.0

Table C2.4
LEHR Environmental Restoration
Analytical Results For DPI Phase C

RADs

Lab_chem	Background Levels	Units	SSDP0232 G-12, 25'				SSDP0233 G-13, 0'				SSDP0234 G-13, 2'				SSDP0235 G-13, 8'			
			Value		Uncert	MDA	Value		Uncert	MDA	Value		Uncert	MDA	Value		Uncert	MDA
ACTINIUM-228	0.64	PCI/G	0.611		0.143	0.0849	0.434	/J	0.127	0.082	0.0	/U	0.161	0.213	0.533		0.18	0.129
BISMUTH-212	0.43	PCI/G	0.499	/J	0.177	0.192	0.337	/J	0.215	0.17	0.449	/J	0.335	0.311	0.386	/J	0.273	0.321
BISMUTH-214	0.54	PCI/G	0.464		0.0874	0.0449	0.508		0.0931	0.0426	0.343		0.099	0.0691	0.548		0.115	0.0686
CARBON-14	0.13	PCI/G	-0.815	/U	0.697	1.26	-0.0098	/U	0.581	1.01	-0.0907	/U	0.702	1.22	-0.28	/U	0.783	1.37
CESIUM-137	0.012	PCI/G	0.0071	/U	0.0258	0.0253	0.0037	/U	0.0247	0.0245	-0.0004	/U	0.0253	0.0398	-0.0013	/U	0.0252	0.0391
COBALT-60	0.006	PCI/G	0.0054	/U	0.0143	0.026	0.0.	/U	0.0383	0.0265	0.0202	/U	0.0212	0.042	0.0139	/U	0.0235	0.0466
GROSS ALPHA	8.7	PCI/G	9.02		3.46	4.64	8.57		2.93	2.03	4.37	/J	2.23	2.41	5.95		2.83	3.79
LEAD-210	1.6	PCI/G	3.42	/U	4.88	4.51	0.311	/J	0.253	0.269	1.79	/U	1.24	2.24	0.753	/U	2.44	3.74
LEAD-212	0.7	PCI/G	0.657		0.0959	0.0369	0.53		0.0772	0.0315	0.468		0.0875	0.0512	0.598		0.0945	0.0535
LEAD-214	0.58	PCI/G	0.567		0.103	0.044	0.578		0.0951	0.0384	0.41		0.113	0.0673	0.606		0.113	0.0615
NONVOLATILE BETA	15	PCI/G	12.8		3	4.55	14		3.16	4.68	13.4		2.94	4.24	13.9		3.17	4.82
POTASSIUM-40	14	PCI/G	13.3		1.52	0.234	11.8		1.31	0.216	7.54		1.11	0.35	11.3		1.56	0.41
RADIUM-226	0.75	PCI/G	0.554		0.0865	0.0285	0.442	/J	0.0654	0.0281	0.314	/J	0.0471	0.0192	0.549		0.0798	0.0327
STRONTIUM-90	0.056	PCI/G	0.243	/U	0.27	0.567	-0.0175	/U	0.217	0.506	0.268	/U	0.251	0.516	0.29	/U	0.286	0.599
THALLIUM-208	0.22	PCI/G	0.2		0.0399	0.0237	0.148	/J	0.0336	0.0221	0.143	/J	0.0496	0.0367	0.15	/J	0.0461	0.0395
THORIUM-234	0.78	PCI/G	0.5	/U	0.9	0.986	0.726	/J	0.434	0.278	1.04	/U	1.2	1.09	0.467	/U	1.13	1.05
URANIUM-235	0.039	PCI/G	0.0002	/U	0.0779	0.138	0.0582	/U	0.0997	0.116	0.136	/U	0.192	0.217	0.0266	/U	0.112	0.196
URANIUM-238	0.65	PCI/G	0.5	/U	0.9	0.986	0.726	/J	0.434	0.278	1.04	/U	1.2	1.09	0.467	/U	1.13	1.05
WEIGHT OF SAMPLE, A		MG	42.6		NA	0.0	39.1		NA	0.0	43.7		NA	0.0	42.6		NA	0.0
WEIGHT OF SAMPLE, SR		MG	8.7		NA	0.0	8.7		NA	0.0	9.3		NA	0.0	8.6		NA	0.0

Table C2.4
LEHR Environmental Restoration
Analytical Results For DPI Phase C

RADs

Lab_chem	Background Levels	Units	SSDP0236 G-13, 15 '				SSDP0237 G-13, 25 '				SSDP0238 F-29, 0 '				SSDP0239 F-29, 2 '			
			Value		Uncert	MDA	Value		Uncert	MDA	Value		Uncert	MDA	Value		Uncert	MDA
ACTINIUM-228	0.64	PCI/G	0.596		0.198	0.143	0.448	/J	0.164	0.135	0.378	/J	0.143	0.0999	0.4	/J	0.141	0.0832
BISMUTH-212	0.43	PCI/G	**0.441**	/J	0.298	0.305	**0.505**	/J	0.262	0.289	0.34	/J	0.155	0.205	0.177	/U	0.155	0.179
BISMUTH-214	0.54	PCI/G	**0.567**		0.112	0.0647	0.491		0.112	0.0677	0.341		0.0727	0.0496	0.363		0.0757	0.0432
CARBON-14	0.13	PCI/G	-0.013	/U	0.769	1.33	-0.146	/U	0.783	1.36	-0.315	/U	0.691	1.22	-0.0134	/U	0.799	1.38
CESIUM-137	0.012	PCI/G	-0.0115	/U	0.0288	0.0416	0.0147	/U	0.0234	0.0415	-0.0039	/U	0.0151	0.0268	-0.0072	/U	0.0126	0.0221
COBALT-60	0.006	PCI/G	-0.0044	/U	0.0258	0.0451	0.0063	/U	0.02	0.0374	-0.0119	/U	0.0164	0.0276	-0.0168	/U	0.0164	0.0269
GROSS ALPHA	8.7	PCI/G	7.35		3.1	4.16	**9.12**		3.26	3.76	6.05		2.65	2.49	5.51		2.62	2.94
LEAD-210	1.6	PCI/G	1.59	/U	2.21	3.46	1.24	/U	2.29	3.68	0.543	/U	1.66	2.77	0.284	/U	1.8	2.36
LEAD-212	0.7	PCI/G	0.66		0.11	0.0529	0.609		0.0933	0.0529	0.389		0.0657	0.0408	0.233		0.0612	0.0465
LEAD-214	0.58	PCI/G	**0.668**		0.14	0.073	0.452		0.124	0.07	0.327		0.0906	0.0502	0.43		0.0834	0.0462
NONVOLATILE BETA	15	PCI/G	**15.4**		3.3	5.03	**15.6**		3.14	4.38	14.3		3.12	4.44	11.5		2.87	4.49
POTASSIUM-40	14	PCI/G	12.7		1.59	0.437	11.4		1.51	0.349	11		1.35	0.222	7.74		1.04	0.261
RADIUM-226	0.75	PCI/G	0.584		0.0932	0.0396	0.463	/J	0.12	0.0633	0.378	/J	0.059	0.0232	0.375	/J	0.0602	0.0226
STRONTIUM-90	0.056	PCI/G	-0.0718	/U	0.278	0.652	-0.196	/U	0.366	0.856	0.337	/U	0.232	0.46	**0.594**	/J	0.227	0.389
THALLIUM-208	0.22	PCI/G	0.196	/J	0.0573	0.0409	0.172	/J	0.0447	0.0385	0.155	/J	0.0401	0.0246	0.106	/J	0.0334	0.0248
THORIUM-234	0.78	PCI/G	0.666	/U	1.03	1.11	1.05	/U	1.3	1.14	**0.871**	/J	0.808	0.797	0.215	/U	0.801	0.737
URANIUM-235	0.039	PCI/G	0.0388	/U	0.185	0.198	0.0138	/U	0.19	0.215	0.0774	/U	0.0804	0.152	0.107	/U	0.14	0.145
URANIUM-238	0.65	PCI/G	0.666	/U	1.03	1.11	1.05	/U	1.3	1.14	**0.871**	/J	0.808	0.797	0.215	/U	0.801	0.737
WEIGHT OF SAMPLE, A		MG	39.1		NA	0.0	37.8		NA	0.0	40.5		NA	0.0	45.7		NA	0.0
WEIGHT OF SAMPLE, SR		MG	9.4		NA	0.0	4.8		NA	0.0	9.6		NA	0.0	10		NA	0.0

Table C2.4
LEHR Environmental Restoration
Analytical Results For DPI Phase C

RADs

Lab_chem	Background Levels	Units	SSDP0240 F-29, 5'				SSDP0241 F-29, 15'				SSDP0242 F-29, 25'				SSDP0243 H-32, 0'			
			Value		Uncert	MDA	Value		Uncert	MDA	Value		Uncert	MDA	Value		Uncert	MDA
ACTINIUM-228	0.64	PCI/G	0.0	/U	0.133	0.178	0.551		0.18	0.134	0.592		0.135	0.117	0.367	/J	0.128	0.0981
BISMUTH-212	0.43	PCI/G	0.337	/J	0.169	0.195	**0.741**	/J	0.332	0.274	**0.569**	/J	0.274	0.209	**0.488**	/J	0.225	0.22
BISMUTH-214	0.54	PCI/G	0.375		0.0866	0.0503	**0.55**		0.121	0.0665	0.48		0.0854	0.0481	0.507		0.101	0.0476
CARBON-14	0.13	PCI/G	-0.311	/U	0.748	1.31	-0.184	/U	0.706	1.24	0.216	/U	0.827	1.42	-0.65	/U	0.819	1.45
CESIUM-137	0.012	PCI/G	0.0065	/U	0.0167	0.0307	-0.0029	/U	0.0198	0.0355	-0.0023	/U	0.0151	0.0265	0.015	/U	0.0194	0.0327
COBALT-60	0.006	PCI/G	0.003	/U	0.0163	0.0306	-0.0076	/U	0.0202	0.0363	-0.0002	/U	0.0177	0.0322	-0.0105	/U	0.0179	0.0299
GROSS ALPHA	8.7	PCI/G	6.15		2.78	3.06	**12.6**		3.61	2.18	5.64		2.86	2.84	8.22		3.42	4.17
LEAD-210	1.6	PCI/G	0.857	/U	2.81	2.64	1.64	/U	4.12	4.32	0.573	/U	1.88	2.92	1.1	/U	2.22	2.68
LEAD-212	0.7	PCI/G	0.34		0.0578	0.0431	0.661		0.101	0.048	0.564		0.0829	0.0394	0.509		0.0739	0.039
LEAD-214	0.58	PCI/G	0.415		0.0861	0.046	**0.656**		0.125	0.0637	0.56		0.104	0.0492	**0.657**		0.107	0.0506
NONVOLATILE BETA	15	PCI/G	9.11		2.99	5.16	14.1		3.11	4.55	12.7		3.57	5.6	15		3.54	5.55
POTASSIUM-40	14	PCI/G	11.2		1.36	0.226	12.9		1.61	0.342	11.5		1.45	0.253	11.8		1.41	0.289
RADIUM-226	0.75	PCI/G	0.326	/J	0.0555	0.025	0.581		0.0917	0.0424	0.504		0.0763	0.0295	0.581		0.0836	0.0315
STRONTIUM-90	0.056	PCI/G	0.157	/U	0.206	0.439	0.117	/U	0.215	0.469	-0.108	/U	0.232	0.567	0.418	/U	0.36	0.735
THALLIUM-208	0.22	PCI/G	0.109	/J	0.0299	0.0272	0.172	/J	0.0455	0.0348	0.185	/J	0.0388	0.0257	0.16	/J	0.0423	0.0293
THORIUM-234	0.78	PCI/G	**1.13**	/J	1.09	0.812	**1.32**	/J	1.12	1.18	0.0996	/U	0.739	0.863	**1.1**	/J	1.06	0.838
URANIUM-235	0.039	PCI/G	-0.0179	/U	0.0835	0.151	0.0065	/U	0.146	0.182	0.0979	/U	0.0858	0.153	-0.0105	/U	0.0847	0.146
URANIUM-238	0.65	PCI/G	**1.13**		1.09	0.812	**1.32**		1.12	1.18	0.0996	/U	0.739	0.863	**1.1**		1.06	0.838
WEIGHT OF SAMPLE, A		MG	42		NA	0.0	38.2		NA	0.0	28.1		NA	0.0	41.9		NA	0.0
WEIGHT OF SAMPLE, SR		MG	9.4		NA	0.0	8.8		NA	0.0	8.9		NA	0.0	26.6		NA	0.0

Table C2.4
LEHR Environmental Restoration
Analytical Results For DPI Phase C

RADs

Lab_chem	Background Levels	Units	SSDP0244 H-32, 2 '				SSDP0245 H-32, 10 '				SSDP0246 H-32, 20 '				SSDP0247 H-32, 25 '			
			Value		Uncert	MDA	Value		Uncert	MDA	Value		Uncert	MDA	Value		Uncert	MDA
ACTINIUM-228	0.64	PCI/G	0.36	/J	0.102	0.073	0.522		0.124	0.0789	0.754		0.214	0.154	0.569		0.154	0.0954
BISMUTH-212	0.43	PCI/G	0.399	/J	0.184	0.162	0.374	/J	0.221	0.177	0.199	/U	0.257	0.405	0.469	/J	0.192	0.211
BISMUTH-214	0.54	PCI/G	0.334		0.0669	0.0376	0.393		0.08	0.0452	0.562		0.131	0.0936	0.568		0.106	0.0526
CARBON-14	0.13	PCI/G	-0.521	/U	0.748	1.32	-0.323	/U	0.699	1.22	-0.729	/U	0.773	1.38	0.0963	/U	0.71	1.22
CESIUM-137	0.012	PCI/G	-0.0042	/U	0.0118	0.0213	0.0037	/U	0.0283	0.024	-0.0118	/U	0.0262	0.0443	-0.0113	/U	0.0171	0.0287
COBALT-60	0.006	PCI/G	0.0034	/U	0.013	0.0248	0.0019	/U	0.0138	0.0254	-0.0213	/U	0.024	0.0392	-0.0055	/U	0.0169	0.0298
GROSS ALPHA	8.7	PCI/G	3.81	/U	2.58	3.84	6.44		3	3.43	7.11		3.06	3.25	8.95		3.3	3.07
LEAD-210	1.6	PCI/G	1.27	/U	1.56	2.81	0.706	/J	0.263	0.233	1.17	/U	2.13	2.42	1.36	/U	1.84	2.91
LEAD-212	0.7	PCI/G	0.323		0.0541	0.0303	0.507		0.0746	0.0328	0.601		0.112	0.0647	0.59		0.0835	0.0411
LEAD-214	0.58	PCI/G	0.369		0.0689	0.037	0.517		0.0863	0.04	0.656		0.141	0.0834	0.606		0.105	0.0536
NONVOLATILE BETA	15	PCI/G	17.5		3.63	5.31	17		3.58	5.18	11.9		3.45	5.79	15.3		3.26	4.72
POTASSIUM-40	14	PCI/G	10		1.13	0.179	12.6		1.38	0.211	10		1.32	0.386	11.5		1.43	0.265
RADIUM-226	0.75	PCI/G	0.345	/J	0.0555	0.0266	0.449	/J	0.0724	0.0236	0.55		0.0798	0.0273	0.541		0.0818	0.0291
STRONTIUM-90	0.056	PCI/G	0.228	/U	0.279	0.589	-0.146	/U	0.29	0.681	-0.0906	/U	0.264	0.613	-0.0649	/U	0.251	0.574
THALLIUM-208	0.22	PCI/G	0.126	/J	0.0303	0.0201	0.144	/J	0.035	0.0219	0.159	/J	0.0642	0.0475	0.191	/J	0.0442	0.0279
THORIUM-234	0.78	PCI/G	0.524	/U	1.06	0.715	0.738	/J	0.398	0.284	0.805	/U	1.34	1.27	0.826	/J	0.803	0.797
URANIUM-235	0.039	PCI/G	0.0728	/U	0.0608	0.109	0.034	/U	0.0627	0.115	0.0785	/U	0.246	0.234	0.0887	/U	0.113	0.152
URANIUM-238	0.65	PCI/G	0.524	/U	1.06	0.715	0.738	/J	0.398	0.284	0.805	/U	1.34	1.27	0.826	/J	0.803	0.797
WEIGHT OF SAMPLE, A		MG	41.4		NA	0.0	44.3		NA	0.0	38.3		NA	0.0	44		NA	0.0
WEIGHT OF SAMPLE, SR		MG	35.9		NA	0.0	33.7		NA	0.0	34.5		NA	0.0	34.7		NA	0.0

Table C2.4
LEHR Environmental Restoration
Analytical Results For DPI Phase C

RADs

Lab_chem	Background Levels	Units	SSDP0248 H-31, 0 '				SSDP0249 H-31, 2 '				SSDP0250 H-31, 5 '				SSDP0251 H-31, (FD), 6 '			
			Value		Uncert	MDA	Value		Uncert	MDA	Value		Uncert	MDA	Value		Uncert	MDA
ACTINIUM-228	0.64	PCI/G	0.453	/J	0.136	0.0987	0.493	/J	0.144	0.0858	**0.701**		0.163	0.12	0.639		0.204	0.136
BISMUTH-212	0.43	PCI/G	0.43	/J	0.23	0.21	0.351	/J	0.158	0.174	**0.679**	/J	0.28	0.278	0.417	/J	0.363	0.281
BISMUTH-214	0.54	PCI/G	0.468		0.0965	0.05	**0.546**		0.0918	0.044	**0.606**		0.124	0.0617	**0.58**		0.117	0.0717
CARBON-14	0.13	PCI/G	0.117	/U	0.679	1.17	-0.595	/U	0.81	1.43	-0.128	/U	0.811	1.41	0.448	/U	0.771	1.31
CESIUM-137	0.012	PCI/G	0.0	/U	0.0422	0.0257	-0.006	/U	0.0137	0.0229	-0.012	/U	0.0209	0.0345	-0.0177	/U	0.0202	0.0327
COBALT-60	0.006	PCI/G	-0.0089	/U	0.0161	0.028	0.0079	/U	0.0146	0.0271	0.0	/U	0.0229	0.0408	-0.0101	/U	0.0235	0.0405
GROSS ALPHA	8.7	PCI/G	4.72	/U	2.97	5	5.99		2.5	2.07	**9.78**		3.27	2.55	5.74		2.66	3.51
LEAD-210	1.6	PCI/G	0.852	/U	1.38	2.26	0.722	/U	1.47	2.47	1.87	/U	2.21	3.33	1.36	/U	2.33	3.44
LEAD-212	0.7	PCI/G	0.451		0.081	0.0512	0.518		0.0744	0.0368	0.648		0.0985	0.049	0.688		0.0965	0.0535
LEAD-214	0.58	PCI/G	0.522		0.0957	0.048	0.566		0.0925	0.0455	**0.708**		0.13	0.0644	**0.714**		0.122	0.0666
NONVOLATILE BETA	15	PCI/G	13.5		3.26	5.01	14.1		3.21	4.77	**16.1**		3.31	4.61	13.7		3.05	4.6
POTASSIUM-40	14	PCI/G	12.3		1.45	0.275	11.9		1.38	0.224	12		1.5	0.318	13.2		1.71	0.303
RADIUM-226	0.75	PCI/G	0.399	/J	0.0629	0.0303	0.456	/J	0.0664	0.026	0.598		0.0929	0.0396	0.558		0.0931	0.0377
STRONTIUM-90	0.056	PCI/G	0.263	/U	0.281	0.585	0.108	/U	0.287	0.624	**0.548**	/J	0.282	0.537	-0.0938	/U	0.19	0.452
THALLIUM-208	0.22	PCI/G	0.172	/J	0.0385	0.0246	0.168	/J	0.0402	0.0234	0.194	/J	0.0496	0.0325	0.215		0.0525	0.0378
THORIUM-234	0.78	PCI/G	**0.867**	/J	0.817	0.759	**0.891**	/J	0.765	0.779	0.867	/U	0.958	1.01	0.508	/U	1.05	1.14
URANIUM-235	0.039	PCI/G	0.0847	/U	0.0903	0.15	0.0349	/U	0.0831	0.146	0.0681	/U	0.11	0.188	0.127	/U	0.116	0.198
URANIUM-238	0.65	PCI/G	**0.867**	/J	0.817	0.759	**0.891**	/J	0.765	0.779	0.867	/U	0.958	1.01	0.508	/U	1.05	1.14
WEIGHT OF SAMPLE, A		MG	40.1		NA	0.0	39		NA	0.0	40.4		NA	0.0	39		NA	0.0
WEIGHT OF SAMPLE, SR		MG	32.4		NA	0.0	28.3		NA	0.0	31.9		NA	0.0	30.3		NA	0.0

Table C2.4
LEHR Environmental Restoration
Analytical Results For DPI Phase C

RADs

Lab_chem	Background Levels	Units	SSDP0252 H-31, 15 '				SSDP0253 H-31, 25 '				SSDP0254 H-26, 0 '				SSDP0255 H-26, 2 '			
			Value		Uncert	MDA	Value		Uncert	MDA	Value		Uncert	MDA	Value		Uncert	MDA
ACTINIUM-228	0.64	PCI/G	0.473	/J	0.18	0.132	0.74		0.17	0.106	0.584		0.157	0.116	0.322	/J	0.108	0.0744
BISMUTH-212	0.43	PCI/G	0.667	/J	0.248	0.246	0.627	/J	0.272	0.223	0.395	/J	0.271	0.269	0.264	/J	0.152	0.16
BISMUTH-214	0.54	PCI/G	0.52		0.102	0.066	0.576		0.109	0.0544	0.503		0.0986	0.0669	0.457		0.0842	0.0366
CARBON-14	0.13	PCI/G	0.586	/U	0.982	1.66	0.3	/U	0.763	1.3	-0.62	/U	0.782	1.39	-0.176	/U	0.755	1.32
CESIUM-137	0.012	PCI/G	0.0035	/U	0.0195	0.0337	-0.0015	/U	0.018	0.0283	0.0478	/J	0.0314	0.036	0.0	/U	0.0147	0.0283
COBALT-60	0.006	PCI/G	0.0176	/U	0.0213	0.0408	-0.001	/U	0.0211	0.0335	0.001	/U	0.0228	0.0415	-0.0062	/U	0.0134	0.0233
GROSS ALPHA	8.7	PCI/G	13.1		4.02	4.47	6.96		3.08	4.06	9.32		3.18	2.43	4.67	/J	2.44	2.89
LEAD-210	1.6	PCI/G	3.13	/U	2.25	3.45	3.07	/U	4.01	3.85	2.18	/U	3.99	3.51	0.0	/U	0.174	0.3
LEAD-212	0.7	PCI/G	0.683		0.0975	0.0477	0.656		0.0959	0.0395	0.521		0.0773	0.0485	0.447		0.0663	0.0277
LEAD-214	0.58	PCI/G	0.634		0.114	0.0603	0.621		0.111	0.0533	0.544		0.0952	0.059	0.495		0.0834	0.0346
NONVOLATILE BETA	15	PCI/G	16.8		3.52	5.31	14.8		3.27	4.76	11		2.83	4.31	12.3		2.95	4.55
POTASSIUM-40	14	PCI/G	13.2		1.59	0.297	11.9		1.4	0.292	12.3		1.45	0.368	10.6		1.16	0.167
RADIUM-226	0.75	PCI/G	0.685		0.16	0.0768	0.587		0.0812	0.0295	0.467	/J	0.0763	0.0318	0.403	/J	0.0603	0.0238
STRONTIUM-90	0.056	PCI/G	0.156	/U	0.326	0.723	-0.0866	/U	0.222	0.516	0.191	/U	0.294	0.627	-0.186	/U	0.251	0.604
THALLIUM-208	0.22	PCI/G	0.247		0.0591	0.0322	0.209		0.0394	0.0265	0.157	/J	0.0458	0.0324	0.132	/J	0.0297	0.02
THORIUM-234	0.78	PCI/G	0.258	/U	0.936	1.01	0.581	/U	1.03	0.998	0.808	/U	0.869	0.994	0.759	/J	0.32	0.266
URANIUM-235	0.039	PCI/G	0.0844	/U	0.144	0.186	0.0678	/U	0.113	0.146	0.0251	/U	0.101	0.17	0.0273	/U	0.0911	0.107
URANIUM-238	0.65	PCI/G	0.258	/U	0.936	1.01	0.581	/U	1.03	0.998	0.808	/U	0.869	0.994	0.759	/J	0.32	0.266
WEIGHT OF SAMPLE, A		MG	40.8		NA	0.0	37.2		NA	0.0	40.8		NA	0.0	42.2		NA	0.0
WEIGHT OF SAMPLE, SR		MG	30.2		NA	0.0	31		NA	0.0	29.5		NA	0.0	28.5		NA	0.0

Table C2.4
LEHR Environmental Restoration
Analytical Results For DPI Phase C

RADs

Lab_chem	Background Levels	Units	SSDP0256 H-26, 5 '				SSDP0257 H-26, 15 '				SSDP0258 H-26, 25 '				SSDP0259 G-22, 0 '			
			Value		Uncert	MDA	Value		Uncert	MDA	Value		Uncert	MDA	Value		Uncert	MDA
ACTINIUM-228	0.64	PCI/G	0.63		0.207	0.179	0.603		0.188	0.155	0.547		0.168	0.125	0.544		0.154	0.113
BISMUTH-212	0.43	PCI/G	**0.468**	/J	0.262	0.326	**0.736**	/J	0.372	0.286	**0.498**	/J	0.304	0.313	0.391	/J	0.207	0.215
BISMUTH-214	0.54	PCI/G	**0.566**		0.12	0.0804	**0.703**		0.127	0.0752	**0.55**		0.117	0.07	0.472		0.0986	0.0555
CARBON-14	0.13	PCI/G	0.421	/U	0.793	1.35	-0.0729	/U	0.69	1.2	-0.293	/U	0.611	1.07	-0.599	/U	0.739	1.31
CESIUM-137	0.012	PCI/G	0.0194	/U	0.0304	0.0418	-0.0113	/U	0.0278	0.0391	-0.005	/U	0.0224	0.0386	**0.072**	/J	0.0318	0.0341
COBALT-60	0.006	PCI/G	-0.0244	/U	0.0282	0.0462	-0.0224	/U	0.0244	0.0379	0.0028	/U	0.0365	0.0435	0.0	/U	0.0185	0.0349
GROSS ALPHA	8.7	PCI/G	**9.19**		3.28	2.99	**9.29**		3.18	2.23	7.42		3	3.36	**13.3**		3.92	2.94
LEAD-210	1.6	PCI/G	0.975	/U	2.5	3.81	0.672	/U	3.07	3.89	0.844	/U	2.51	3.79	2.24	/U	2.77	3.99
LEAD-212	0.7	PCI/G	0.657		0.101	0.0592	0.684		0.104	0.0608	0.522		0.09	0.0589	0.523		0.0833	0.0428
LEAD-214	0.58	PCI/G	**0.657**		0.134	0.0715	**0.691**		0.133	0.08	0.541		0.117	0.0672	0.545		0.1	0.0539
NONVOLATILE BETA	15	PCI/G	**19**		3.59	5.06	**16.1**		3.34	4.76	12.4		3.03	4.64	**21.4**		3.88	5.31
POTASSIUM-40	14	PCI/G	13.5		1.78	0.417	12.2		1.57	0.394	10.5		1.43	0.449	13.1		1.57	0.278
RADIUM-226	0.75	PCI/G	0.639		0.0967	0.0364	0.637		0.0905	0.0336	0.503		0.0869	0.042	0.469	/J	0.0653	0.0239
STRONTIUM-90	0.056	PCI/G	-0.0317	/U	0.226	0.515	0.124	/U	0.228	0.492	0.182	/U	0.264	0.561	0.0635	/U	0.21	0.473
THALLIUM-208	0.22	PCI/G	0.195	/J	0.0583	0.0403	0.212		0.05	0.0432	0.162	/J	0.0503	0.0408	0.141	/J	0.0421	0.0286
THORIUM-234	0.78	PCI/G	0.0548	/U	1.25	1.28	0.757	/U	1.11	1.23	0.729	/U	1.17	1.09	**1.28**	/J	1.39	1
URANIUM-235	0.039	PCI/G	0.153	/U	0.188	0.22	0.185	/U	0.184	0.239	0.0041	/U	0.118	0.203	0.133	/U	0.13	0.142
URANIUM-238	0.65	PCI/G	0.0548	/U	1.25	1.28	0.757	/U	1.11	1.23	0.729	/U	1.17	1.09	**1.28**		1.39	1
WEIGHT OF SAMPLE, A		MG	41.5		NA	0.0	36.2		NA	0.0	38		NA	0.0	36.3		NA	0.0
WEIGHT OF SAMPLE, SR		MG	28.8		NA	0.0	32.8		NA	0.0	34.7		NA	0.0	34.8		NA	0.0

Table C2.4
LEHR Environmental Restoration
Analytical Results For DPI Phase C

RADs

Lab_chem	Background Levels	Units	SSDP0260 G-22, 2'				SSDP0261 G-22, 5'				SSDP0262 G-22, 15'				SSDP0263 G-22, 25'			
			Value		Uncert	MDA	Value		Uncert	MDA	Value		Uncert	MDA	Value		Uncert	MDA
ACTINIUM-228	0.64	PCI/G	0.404	/J	0.141	0.127	0.582		0.138	0.108	0.572		0.192	0.144	0.478	/J	0.167	0.112
BISMUTH-212	0.43	PCI/G	0.282	/J	0.178	0.229	0.368	/J	0.207	0.216	0.583	/J	0.272	0.262	0.317	/J	0.208	0.238
BISMUTH-214	0.54	PCI/G	0.488		0.1	0.0557	0.506		0.0995	0.0519	0.653		0.13	0.0728	0.0	/U	0.105	0.152
CARBON-14	0.13	PCI/G	-0.157	/U	0.76	1.32	0.334	/U	0.884	1.51	-0.234	/U	0.847	1.48	-0.707	/U	0.834	1.48
CESIUM-137	0.012	PCI/G	-0.0049	/U	0.0196	0.0301	0.008	/U	0.0303	0.0311	-0.004	/U	0.0206	0.0365	-0.0004	/U	0.019	0.0302
COBALT-60	0.006	PCI/G	0.0133	/U	0.0203	0.0395	0.0048	/U	0.0196	0.0327	-0.0188	/U	0.0206	0.0337	-0.0027	/U	0.0213	0.039
GROSS ALPHA	8.7	PCI/G	8.74		3.22	2.79	5.94		3.14	4.55	10.1		3.77	4.51	8.37		3.46	4.37
LEAD-210	1.6	PCI/G	0.264	/U	2.21	2.97	0.742	/J	0.337	0.271	1.51	/U	2.71	2.96	0.81	/U	2.01	3.41
LEAD-212	0.7	PCI/G	0.549		0.0857	0.0461	0.593		0.0892	0.0387	0.681		0.113	0.0509	0.582		0.0852	0.0476
LEAD-214	0.58	PCI/G	0.534		0.11	0.0548	0.633		0.113	0.0479	0.602		0.123	0.077	0.559		0.107	0.0599
NONVOLATILE BETA	15	PCI/G	11.8		3.11	4.89	21.7		4	5.63	15.4		3.77	6.16	13.8		2.95	4.29
POTASSIUM-40	14	PCI/G	14		1.66	0.298	13.4		1.52	0.259	11.6		1.5	0.368	9.24		1.28	0.322
RADIUM-226	0.75	PCI/G	0.483	/J	0.07	0.0246	0.53		0.0707	0.0273	0.6		0.0843	0.0369	0.525		0.0775	0.0292
STRONTIUM-90	0.056	PCI/G	0.544	/U	0.296	0.574	-0.0873	/U	0.163	0.401	0.131	/U	0.157	0.337	0.712	/J	0.208	0.356
THALLIUM-208	0.22	PCI/G	0.166	/J	0.0384	0.029	0.178	/J	0.0394	0.0279	0.228		0.0526	0.0342	0.156	/J	0.0448	0.0326
THORIUM-234	0.78	PCI/G	0.729	/U	0.983	0.905	0.414	/J	0.393	0.375	2.04	/J	1.19	0.964	0.0659	/U	0.786	1.02
URANIUM-235	0.039	PCI/G	0.0895	/U	0.126	0.168	0.0089	/U	0.0763	0.141	0.0262	/U	0.142	0.196	-0.0307	/U	0.0998	0.173
URANIUM-238	0.65	PCI/G	0.729	/U	0.983	0.905	0.414	/J	0.393	0.375	2.04		1.19	0.964	0.0659	/U	0.786	1.02
WEIGHT OF SAMPLE, A		MG	41.4		NA	0.0	38		NA	0.0	39		NA	0.0	55.5		NA	0.0
WEIGHT OF SAMPLE, SR		MG	31.2		NA	0.0	39		NA	0.0	36.4		NA	0.0	33.3		NA	0.0

Table C2.4
LEHR Environmental Restoration
Analytical Results For DPI Phase C

RADs

Lab_chem	Background Levels	Units	SSDP0264 H-19, 0 '				SSDP0265 H-19, 2 '				SSDP0266 H-19, 5 '				SSDP0267 H-19, 15 '			
			Value		Uncert	MDA	Value		Uncert	MDA	Value		Uncert	MDA	Value		Uncert	MDA
ACTINIUM-228	0.64	PCI/G	0.416	/J	0.141	0.103	0.559		0.171	0.107	**0.761**		0.213	0.139	0.585		0.193	0.123
BISMUTH-212	0.43	PCI/G	**0.536**	/J	0.241	0.209	0.359	/J	0.221	0.226	0.335	/U	0.28	0.335	**0.573**	/J	0.289	0.284
BISMUTH-214	0.54	PCI/G	0.0	/U	0.0935	0.128	**0.552**		0.106	0.0525	**0.6**		0.129	0.0768	**0.571**		0.127	0.0745
CARBON-14	0.13	PCI/G	-0.0612	/U	0.742	1.28	-0.574	/U	0.71	1.26	-0.142	/U	0.834	1.45	-0.161	/U	0.582	1.02
CESIUM-137	0.012	PCI/G	0.0049	/U	0.0237	0.0276	0.0	/U	0.0219	0.0427	0.008	/U	0.0242	0.0394	0.0025	/U	0.0227	0.0403
COBALT-60	0.006	PCI/G	0.0127	/U	0.0196	0.038	0.0082	/U	0.019	0.0365	0.0064	/U	0.0279	0.0521	-0.0232	/U	0.0282	0.0377
GROSS ALPHA	8.7	PCI/G	6.63		2.78	2.69	**10.6**		3.56	3.41	**9.29**		3.18	2.46	**9.06**		3.37	3.04
LEAD-210	1.6	PCI/G	2.54	/U	2.36	2.76	0.476	/J	0.301	0.319	0.787	/U	2.71	4.07	0.85	/U	2.52	3.82
LEAD-212	0.7	PCI/G	0.485		0.0744	0.0432	0.554		0.0855	0.0392	0.679		0.101	0.0599	0.603		0.0993	0.0599
LEAD-214	0.58	PCI/G	0.579		0.107	0.0581	**0.598**		0.109	0.0506	**0.664**		0.127	0.0681	**0.732**		0.134	0.0667
NONVOLATILE BETA	15	PCI/G	**17.3**		3.3	4.4	14.7		3.16	4.53	**15.3**		3.09	4.42	**16.7**		3.48	5.08
POTASSIUM-40	14	PCI/G	10.5		1.32	0.249	11.6		1.39	0.271	13.5		1.77	0.423	12.3		1.67	0.416
RADIUM-226	0.75	PCI/G	0.479	/J	0.0733	0.0287	0.463	/J	0.0746	0.0276	0.579		0.0859	0.0352	0.596		0.0867	0.0354
STRONTIUM-90	0.056	PCI/G	**0.518**	/J	0.14	0.236	0.215	/U	0.174	0.346	0.0325	/U	0.287	0.626	-0.0172	/U	0.222	0.521
THALLIUM-208	0.22	PCI/G	0.132	/J	0.04	0.0291	0.15	/J	0.0406	0.0279	0.165	/J	0.0476	0.0376	0.192	/J	0.0485	0.0412
THORIUM-234	0.78	PCI/G	0.217	/U	0.942	0.907	**0.786**	/J	0.485	0.376	**1.27**	/J	1.16	1.21	0.391	/U	1.01	1.11
URANIUM-235	0.039	PCI/G	0.0089	/U	0.0914	0.165	0.0606	/U	0.133	0.153	0.196	/U	0.187	0.225	**0.259**	/J	0.184	0.218
URANIUM-238	0.65	PCI/G	0.217	/U	0.942	0.907	**0.786**	/J	0.485	0.376	**1.27**		1.16	1.21	0.391	/U	1.01	1.11
WEIGHT OF SAMPLE, A		MG	34.7		NA	0.0	37.7		NA	0.0	43.3		NA	0.0	45.2		NA	0.0
WEIGHT OF SAMPLE, SR		MG	40.9		NA	0.0	34		NA	0.0	25.2		NA	0.0	31.2		NA	0.0

Table C2.4
LEHR Environmental Restoration
Analytical Results For DPI Phase C

RADs

Lab_chem	Background Levels	Units	SSDP0268 H-19, 25 '				SSDP0269 I-10, 0 '				SSDP0270 I-10, 2 '				SSDP0271 I-10, 8 '			
			Value		Uncert	MDA	Value		Uncert	MDA	Value		Uncert	MDA	Value		Uncert	MDA
ACTINIUM-228	0.64	PCI/G	0.442	/J	0.162	0.128	0.428	/J	0.162	0.0996	0.493	/J	0.126	0.0857	0.0	/U	0.168	0.259
BISMUTH-212	0.43	PCI/G	**0.51**	/J	0.269	0.252	0.299	/J	0.194	0.25	0.318	/J	0.155	0.178	**0.71**	/J	0.414	0.279
BISMUTH-214	0.54	PCI/G	0.5		0.101	0.0625	**0.548**		0.115	0.0583	0.459		0.098	0.0435	0.538		0.12	0.0738
CARBON-14	0.13	PCI/G	-0.53	/U	0.754	1.34	0.187	/U	0.776	1.33	0.305	/U	0.813	1.38	-0.7	/U	0.823	1.47
CESIUM-137	0.012	PCI/G	-0.0029	/U	0.0175	0.0315	**0.0419**	/J	0.0259	0.0344	0.016	/U	0.0273	0.0276	0.0055	/U	0.0226	0.0349
COBALT-60	0.006	PCI/G	0.0195	/U	0.0167	0.0349	-0.0003	/U	0.0198	0.0368	-0.0159	/U	0.0141	0.0225	0.0024	/U	0.0238	0.0428
GROSS ALPHA	8.7	PCI/G	8.53		3.16	2.74	6.4		3.25	4.64	6.69		3.09	4.17	8.6		3.35	4.08
LEAD-210	1.6	PCI/G	2.17	/U	2.11	2.63	2.37	/U	2	3.36	0.265	/U	0.259	0.283	-1.26	/U	2.53	3.79
LEAD-212	0.7	PCI/G	0.622		0.104	0.0511	0.47		0.0828	0.0683	0.422		0.0673	0.0332	0.587		0.0941	0.0592
LEAD-214	0.58	PCI/G	**0.62**		0.12	0.0593	0.518		0.0949	0.0585	0.478		0.0845	0.0464	0.538		0.12	0.0775
NONVOLATILE BETA	15	PCI/G	**15.4**		3.29	4.76	**16.1**		3.67	5.64	**15.2**		3.42	5.43	14.5		3.07	4.46
POTASSIUM-40	14	PCI/G	11.6		1.49	0.356	12.1		1.57	0.302	9.55		1.13	0.244	12.3		1.58	0.344
RADIUM-226	0.75	PCI/G	0.498	/J	0.076	0.03	0.463	/J	0.0716	0.0286	0.476	/J	0.0749	0.0296	0.463	/J	0.0813	0.0394
STRONTIUM-90	0.056	PCI/G	0.15	/U	0.29	0.658	0.129	/U	0.32	0.737	0.322	/U	0.206	0.416	-0.134	/U	0.2	0.501
THALLIUM-208	0.22	PCI/G	0.176	/J	0.0478	0.0319	0.154	/J	0.0433	0.03	0.144	/J	0.0364	0.0241	0.183	/J	0.0524	0.0432
THORIUM-234	0.78	PCI/G	**1.61**	/J	1.02	0.914	0.308	/U	0.812	0.998	0.438	/J	0.327	0.321	0.884	/U	0.837	1.31
URANIUM-235	0.039	PCI/G	0.0541	/U	0.108	0.181	-0.01	/U	0.0946	0.169	0.0286	/U	0.065	0.123	0.102	/U	0.208	0.216
URANIUM-238	0.65	PCI/G	**1.61**		1.02	0.914	0.308	/U	0.812	0.998	0.438	/J	0.327	0.321	0.884	/U	0.837	1.31
WEIGHT OF SAMPLE, A		MG	42.1		NA	0.0	39.9		NA	0.0	44.5		NA	0.0	42.8		NA	0.0
WEIGHT OF SAMPLE, SR		MG	30.6		NA	0.0	32.3		NA	0.0	38		NA	0.0	30.5		NA	0.0

Table C2.4
LEHR Environmental Restoration
Analytical Results For DPI Phase C

RADs

Lab_chem	Background Levels	Units	SSDP0272 I-10, 15 '				SSDP0273 I-10, 25 '				SSDP0274 J-24, 0 '				SSDP0275 J-24, 2 '			
			Value		Uncert	MDA	Value		Uncert	MDA	Value		Uncert	MDA	Value		Uncert	MDA
ACTINIUM-228	0.64	PCI/G	0.632		0.189	0.137	0.447	/J	0.189	0.154	0.359	/J	0.131	0.119	0.382	/J	0.114	0.0824
BISMUTH-212	0.43	PCI/G	**0.639**	/J	0.314	0.303	0.243	/U	0.357	0.288	0.421	/J	0.221	0.265	0.277	/J	0.208	0.2
BISMUTH-214	0.54	PCI/G	**0.647**		0.125	0.063	**0.615**		0.123	0.0766	0.453		0.111	0.0645	0.43		0.08	0.0469
CARBON-14	0.13	PCI/G	-0.0959	/U	0.806	1.4	-0.256	/U	0.878	1.53	0.78	/U	0.544	0.902	0.635	/U	0.49	0.815
CESIUM-137	0.012	PCI/G	-0.0158	/U	0.0221	0.0364	-0.0039	/U	0.0245	0.0427	**0.0329**	/J	0.0381	0.0319	0.0064	/U	0.014	0.0268
COBALT-60	0.006	PCI/G	-0.0143	/U	0.023	0.0388	0.0065	/U	0.0274	0.0461	0.0222	/U	0.0329	0.0386	0.0067	/U	0.016	0.0312
GROSS ALPHA	8.7	PCI/G	**9.74**		3.34	2.74	7.89		3.18	3.42	**16.5**		4.02	3.03	7.41		3.32	4.87
LEAD-210	1.6	PCI/G	1.56	/U	3.13	4.18	3.45	/U	5.69	3.63	0.352	/U	3.01	2.95	2.27	/U	1.54	2.77
LEAD-212	0.7	PCI/G	**0.708**		0.11	0.0593	0.628		0.0975	0.0612	0.514		0.0823	0.0462	0.414		0.0628	0.0373
LEAD-214	0.58	PCI/G	**0.687**		0.129	0.0716	**0.642**		0.127	0.0759	0.537		0.106	0.0593	0.474		0.0863	0.048
NONVOLATILE BETA	15	PCI/G	**16.9**		3.19	4.23	**18.2**		3.43	4.55	**22.3**		3.33	4.11	10.5		2.88	4.68
POTASSIUM-40	14	PCI/G	13		1.68	0.365	11.2		1.52	0.371	11.9		1.49	0.377	12.9		1.57	0.251
RADIUM-226	0.75	PCI/G	0.568		0.0815	0.032	0.55		0.0913	0.0352	0.498	/J	0.0749	0.0268	0.353	/J	0.06	0.0222
STRONTIUM-90	0.056	PCI/G	-0.0092	/U	0.139	0.329	0.0634	/U	0.221	0.516	0.155	/U	0.299	0.674	0.0083	/U	0.303	0.724
THALLIUM-208	0.22	PCI/G	0.196	/J	0.0586	0.0381	0.205		0.0553	0.0379	0.14	/J	0.0385	0.031	0.126	/J	0.0372	0.0239
THORIUM-234	0.78	PCI/G	0.755	/U	1.17	1.16	0.702	/U	1.09	1.14	0.479	/U	0.956	0.991	0.523	/U	0.84	0.837
URANIUM-235	0.039	PCI/G	0.169	/U	0.166	0.213	0.0572	/U	0.124	0.216	0.12	/U	0.096	0.176	0.134	/U	0.133	0.151
URANIUM-238	0.65	PCI/G	0.755	/U	1.17	1.16	0.702	/U	1.09	1.14	0.479	/U	0.956	0.991	0.523	/U	0.84	0.837
WEIGHT OF SAMPLE, A		MG	41.2		NA	0.0	42.1		NA	0.0	45.9		NA	0.0	46.5		NA	0.0
WEIGHT OF SAMPLE, SR		MG	31		NA	0.0	32.7		NA	0.0	7.7		NA	0.0	7.8		NA	0.0

Table C2.4
LEHR Environmental Restoration
Analytical Results For DPI Phase C

RADs

Lab_chem	Background Levels	Units	SSDP0276 J-24, 5 '				SSDP0277 J-24, 15 '				SSDP0278 J-24, 25 '				SSDP0279 J-17, 0 '			
			Value		Uncert	MDA	Value		Uncert	MDA	Value		Uncert	MDA	Value		Uncert	MDA
ACTINIUM-228	0.64	PCI/G	0.563		0.156	0.104	0.607		0.201	0.106	0.602		0.148	0.115	0.409	/J	0.14	0.096
BISMUTH-212	0.43	PCI/G	0.427	/J	0.185	0.226	0.389	/J	0.279	0.233	0.353	/J	0.236	0.283	0.524	/J	0.187	0.209
BISMUTH-214	0.54	PCI/G	0.567		0.0993	0.0573	0.55		0.112	0.0614	0.475		0.1	0.0579	0.45		0.0984	0.0525
CARBON-14	0.13	PCI/G	0.601	/U	0.548	0.917	-0.0762	/U	0.426	0.733	0.106	/U	0.509	0.87	0.4	/U	0.422	0.708
CESIUM-137	0.012	PCI/G	-0.0055	/U	0.0153	0.0267	0.027	/U	0.0188	0.0339	0.0099	/U	0.0279	0.0295	-0.0001	/U	0.0166	0.0302
COBALT-60	0.006	PCI/G	0.0078	/U	0.0188	0.0355	-0.0021	/U	0.018	0.0337	-0.0171	/U	0.0168	0.0271	-0.0044	/U	0.016	0.0291
GROSS ALPHA	8.7	PCI/G	7.48		2.77	2.65	11		3.33	1.98	6.86		3.01	4.03	11.8		3.74	4.02
LEAD-210	1.6	PCI/G	-0.295	/U	1.81	3.16	4.53	/J	4.62	4.23	0.628	/J	0.316	0.293	-0.296	/U	1.84	2.95
LEAD-212	0.7	PCI/G	0.67		0.0925	0.0454	0.67		0.101	0.0437	0.63		0.0935	0.0374	0.407		0.0723	0.0562
LEAD-214	0.58	PCI/G	0.586		0.106	0.0529	0.66		0.124	0.0594	0.589		0.101	0.0477	0.513		0.0933	0.0529
NONVOLATILE BETA	15	PCI/G	14.7		3.07	4.39	14.5		3.08	4.31	16.5		3.31	4.78	17.1		3.47	5.19
POTASSIUM-40	14	PCI/G	12.6		1.5	0.252	12.2		1.51	0.322	11.7		1.39	0.319	11.5		1.47	0.272
RADIUM-226	0.75	PCI/G	0.554		0.0757	0.0269	0.626		0.0872	0.0288	0.541		0.0759	0.0266	0.458	/J	0.0704	0.0236
STRONTIUM-90	0.056	PCI/G	-0.0345	/U	0.265	0.652	0.342	/U	0.323	0.67	0.0347	/U	0.28	0.665	-0.262	/U	0.282	0.769
THALLIUM-208	0.22	PCI/G	0.192	/J	0.0431	0.0293	0.194	/J	0.0528	0.0328	0.177	/J	0.041	0.0286	0.201		0.0436	0.022
THORIUM-234	0.78	PCI/G	1.34	/J	0.959	0.946	0.867	/U	0.958	1.1	0.688	/J	0.409	0.371	0.165	/U	0.763	0.866
URANIUM-235	0.039	PCI/G	0.109	/U	0.121	0.17	0.0338	/U	0.0915	0.157	0.0428	/U	0.0836	0.153	-0.0131	/U	0.0844	0.154
URANIUM-238	0.65	PCI/G	1.34		0.959	0.946	0.867	/U	0.958	1.1	0.688	/J	0.409	0.371	0.165	/U	0.763	0.866
WEIGHT OF SAMPLE, A		MG	41.7		NA	0.0	41.1		NA	0.0	40.7		NA	0.0	41.5		NA	0.0
WEIGHT OF SAMPLE, SR		MG	7.5		NA	0.0	7.2		NA	0.0	7.5		NA	0.0	7.3		NA	0.0

Table C2.4
LEHR Environmental Restoration
Analytical Results For DPI Phase C

RADs

Lab_chem	Background Levels	Units	SSDP0280 J-17, (FD), 0 '				SSDP0281 J-17, 2 '				SSDP0282 J-17, 10 '				SSDP0283 J-17, 20 '			
			Value		Uncert	MDA	Value		Uncert	MDA	Value		Uncert	MDA	Value		Uncert	MDA
ACTINIUM-228	0.64	PCI/G	0.399	/J	0.167	0.0988	**0.719**		0.184	0.128	**0.65**		0.174	0.13	0.571		0.157	0.105
BISMUTH-212	0.43	PCI/G	**0.573**	/J	0.22	0.184	**0.433**	/J	0.227	0.231	0.309	/J	0.235	0.271	**0.494**	/J	0.255	0.237
BISMUTH-214	0.54	PCI/G	0.399		0.089	0.0501	**0.666**		0.126	0.0604	**0.608**		0.112	0.0583	**0.589**		0.116	0.0625
CARBON-14	0.13	PCI/G	0.0428	/U	0.462	0.791	0.0	/U	0.521	0.89	0.07	/U	0.453	0.774	0.281	/U	0.438	0.74
CESIUM-137	0.012	PCI/G	0.0118	/U	0.0166	0.0288	-0.0088	/U	0.0189	0.0326	0.0076	/U	0.0198	0.0321	-0.003	/U	0.0178	0.0323
COBALT-60	0.006	PCI/G	-0.0116	/U	0.0183	0.0311	-0.0197	/U	0.0208	0.034	0.017	/U	0.0229	0.0441	0.0008	/U	0.0198	0.0372
GROSS ALPHA	8.7	PCI/G	6.69		2.83	2.95	**10.8**		3.32	2.18	**10.2**		3.45	3.09	8.63		3.09	2.8
LEAD-210	1.6	PCI/G	0.835	/U	2.92	2.73	-0.239	/U	2.02	3.38	1.85	/U	3.33	3.17	2.76	/U	3.68	4.07
LEAD-212	0.7	PCI/G	0.44		0.0729	0.0432	0.698		0.0958	0.0518	0.615		0.0902	0.0512	**0.709**		0.105	0.043
LEAD-214	0.58	PCI/G	0.502		0.0979	0.0528	**0.662**		0.121	0.0615	**0.672**		0.114	0.061	**0.678**		0.114	0.0556
NONVOLATILE BETA	15	PCI/G	**17.8**		3.35	4.4	**17.8**		3.12	3.9	**18.6**		3.24	4.37	**16.8**		3.43	4.94
POTASSIUM-40	14	PCI/G	10.5		1.31	0.289	**14.3**		1.8	0.328	12		1.51	0.355	11.6		1.41	0.304
RADIUM-226	0.75	PCI/G	0.44	/J	0.069	0.0303	0.596		0.0826	0.0245	0.583		0.0808	0.031	0.687		0.119	0.055
STRONTIUM-90	0.056	PCI/G	0.0641	/U	0.326	0.765	0.185	/U	0.24	0.521	-0.266	/U	0.317	0.846	0.314	/U	0.318	0.671
THALLIUM-208	0.22	PCI/G	0.0	/U	0.0367	0.0536	0.174	/J	0.0509	0.0371	0.198	/J	0.049	0.0314	0.219		0.0497	0.0297
THORIUM-234	0.78	PCI/G	0.79	/U	0.979	0.892	0.608	/U	0.826	1.05	**1.67**	/J	1.22	1.02	0.999	/U	0.962	1.13
URANIUM-235	0.039	PCI/G	0.0998	/U	0.164	0.164	0.024	/U	0.103	0.185	0.0788	/U	0.098	0.177	0.0466	/U	0.0957	0.165
URANIUM-238	0.65	PCI/G	0.79	/U	0.979	0.892	0.608	/U	0.826	1.05	**1.67**		1.22	1.02	0.999	/U	0.962	1.13
WEIGHT OF SAMPLE, A		MG	39.4		NA	0.0	45.2		NA	0.0	52.5		NA	0.0	35.8		NA	0.0
WEIGHT OF SAMPLE, SR		MG	7.5		NA	0.0	7.6		NA	0.0	7.7		NA	0.0	7.6		NA	0.0

Table C2.4
LEHR Environmental Restoration
Analytical Results For DPI Phase C

RADs

Lab_chem	Background Levels	Units	SSDP0284 J-17, 25 '				SSDP0285 C-15, 0 '				SSDP0286 C-15, 2 '				SSDP0287 A-14, 0 '			
			Value		Uncert	MDA	Value		Uncert	MDA	Value		Uncert	MDA	Value		Uncert	MDA
ACTINIUM-228	0.64	PCI/G	0.636		0.178	0.107	0.35	/J	0.136	0.104	0.409	/J	0.124	0.087	0.5		0.138	0.113
BISMUTH-212	0.43	PCI/G	**0.532**	/J	0.226	0.189	0.381	/J	0.187	0.205	0.411	/J	0.231	0.173	0.267	/J	0.195	0.209
BISMUTH-214	0.54	PCI/G	**0.634**		0.115	0.0501	0.471		0.0967	0.0496	0.334		0.073	0.0488	0.485		0.0947	0.0529
CARBON-14	0.13	PCI/G	**0.895**	/J	0.514	0.846	0.124	/U	0.535	0.913	-0.23	/U	0.432	0.752	0.362	/U	0.476	0.8
CESIUM-137	0.012	PCI/G	0.0036	/U	0.0291	0.0332	0.0	/U	0.03	0.0294	**0.0281**	/J	0.0216	0.0261	0.0191	/U	0.0284	0.0306
COBALT-60	0.006	PCI/G	0.0066	/U	0.0173	0.0334	0.0004	/U	0.0165	0.0298	-0.0086	/U	0.0144	0.0251	0.0096	/U	0.0166	0.0319
GROSS ALPHA	8.7	PCI/G	**10.8**		3.56	2.75	7.19		3.05	3.25	**8.76**		3.31	2.94	**10.9**		3.69	3.27
LEAD-210	1.6	PCI/G	0.561	/J	0.352	0.309	-0.0945	/U	1.73	2.89	-0.14	/U	1.68	2.76	0.731	/U	2.52	3.09
LEAD-212	0.7	PCI/G	0.63		0.0928	0.0385	0.376		0.0719	0.0625	0.398		0.0602	0.0385	0.588		0.0863	0.042
LEAD-214	0.58	PCI/G	**0.675**		0.113	0.0491	0.488		0.0896	0.053	0.395		0.08	0.0488	0.489		0.0949	0.0566
NONVOLATILE BETA	15	PCI/G	**17.1**		3.41	4.88	**18**		3.74	5.53	**16.5**		3.61	5.29	**15.8**		3.52	5.23
POTASSIUM-40	14	PCI/G	12.4		1.44	0.264	11.1		1.35	0.273	8.41		1.13	0.234	9.91		1.2	0.227
RADIUM-226	0.75	PCI/G	0.535		0.0734	0.023	0.446	/J	0.0672	0.0236	0.326	/J	0.0529	0.0219	0.415	/J	0.063	0.0251
STRONTIUM-90	0.056	PCI/G	0.351	/U	0.332	0.703	0.349	/U	0.283	0.581	0.314	/U	0.299	0.623	0.144	/U	0.271	0.595
THALLIUM-208	0.22	PCI/G	0.196	/J	0.049	0.0284	0.126	/J	0.0364	0.0284	0.125	/J	0.0339	0.025	0.151	/J	0.0422	0.0308
THORIUM-234	0.78	PCI/G	0.491	/J	0.443	0.393	0.31	/U	0.763	0.923	0.324	/U	0.568	0.778	0.0844	/U	0.939	1
URANIUM-235	0.039	PCI/G	0.0387	/U	0.105	0.145	0.0789	/U	0.185	0.174	0.0701	/U	0.144	0.151	0.0551	/U	0.0969	0.174
URANIUM-238	0.65	PCI/G	0.491	/J	0.443	0.393	0.31	/U	0.763	0.923	0.324	/U	0.568	0.778	0.0844	/U	0.939	1
WEIGHT OF SAMPLE, A		MG	44.9		NA	0.0	37.4		NA	0.0	35.4		NA	0.0	40.6		NA	0.0
WEIGHT OF SAMPLE, SR		MG	9.8		NA	0.0	8		NA	0.0	8.1		NA	0.0	7.4		NA	0.0

Table C2.4
LEHR Environmental Restoration
Analytical Results For DPI Phase C

RADs

Lab_chem	Background Levels	Units	SSDP0288 A-14, 2'				SSDP0289 A-14, 5'				SSDP0290 A-14, 15'				SSDP0291 A-14, 25'			
			Value		Uncert	MDA	Value		Uncert	MDA	Value		Uncert	MDA	Value		Uncert	MDA
ACTINIUM-228	0.64	PCI/G	0.442	/J	0.129	0.0999	**0.781**		0.219	0.129	0.572		0.183	0.129	0.482	/J	0.151	0.113
BISMUTH-212	0.43	PCI/G	0.342	/J	0.181	0.221	**0.52**	/J	0.307	0.279	**0.555**	/J	0.225	0.28	0.396	/J	0.261	0.232
BISMUTH-214	0.54	PCI/G	0.402		0.0949	0.0574	**0.616**		0.119	0.0676	**0.57**		0.13	0.0596	0.508		0.0944	0.0584
CARBON-14	0.13	PCI/G	0.202	/U	0.535	0.911	0.512	/U	0.544	0.911	0.039	/U	0.502	0.864	0.182	/U	0.473	0.806
CESIUM-137	0.012	PCI/G	0.0022	/U	0.0174	0.0282	-0.0186	/U	0.0202	0.0332	0.0043	/U	0.0188	0.0339	-0.01	/U	0.0176	0.0309
COBALT-60	0.006	PCI/G	0.0011	/U	0.0192	0.0355	-0.0042	/U	0.0212	0.0385	0.0014	/U	0.0194	0.0358	-0.0063	/U	0.0193	0.0349
GROSS ALPHA	8.7	PCI/G	5.93		2.8	3.25	6.92		3	3.46	**9.97**		3.6	4.7	7.23		2.79	2.74
LEAD-210	1.6	PCI/G	0.296	/U	3.13	2.88	-0.0844	/U	2.36	3.6	0.613	/U	2.3	3.6	2.9	/U	4.05	3.77
LEAD-212	0.7	PCI/G	0.523		0.0825	0.0435	**0.75**		0.103	0.05	0.682		0.0981	0.0528	0.595		0.0924	0.0438
LEAD-214	0.58	PCI/G	0.509		0.101	0.0526	**0.62**		0.12	0.0665	**0.681**		0.131	0.0654	**0.598**		0.109	0.0547
NONVOLATILE BETA	15	PCI/G	11.7		3.27	5.32	**16**		3.32	4.83	**18.8**		3.38	4.63	**22.4**		3.79	4.89
POTASSIUM-40	14	PCI/G	11.2		1.39	0.301	**14.2**		1.81	0.337	13.6		1.67	0.352	**15.9**		1.85	0.298
RADIUM-226	0.75	PCI/G	0.46	/J	0.071	0.0255	0.608		0.087	0.0319	0.631		0.0878	0.0302	0.537		0.0752	0.0283
STRONTIUM-90	0.056	PCI/G	0.127	/U	0.255	0.561	0.187	/U	0.253	0.542	0.113	/U	0.232	0.51	0.0639	/U	0.237	0.534
THALLIUM-208	0.22	PCI/G	0.161	/J	0.0448	0.0269	**0.256**		0.0497	0.0352	**0.223**		0.0503	0.0317	0.193	/J	0.052	0.0303
THORIUM-234	0.78	PCI/G	0.149	/U	0.773	0.896	**1.27**	/J	1.34	1.03	0.84	/U	0.847	0.986	0.763	/U	1.43	1.06
URANIUM-235	0.039	PCI/G	0.0435	/U	0.0917	0.168	-0.011	/U	0.111	0.194	0.115	/U	0.105	0.19	0.118	/U	0.206	0.17
URANIUM-238	0.65	PCI/G	0.149	/U	0.773	0.896	**1.27**		1.34	1.03	0.84	/U	0.847	0.986	0.763	/U	1.43	1.06
WEIGHT OF SAMPLE, A		MG	36.3		NA	0.0	42.8		NA	0.0	43.6		NA	0.0	33		NA	0.0
WEIGHT OF SAMPLE, SR		MG	9		NA	0.0	7.7		NA	0.0	8.1		NA	0.0	7.7		NA	0.0

Table C2.4
LEHR Environmental Restoration
Analytical Results For DPI Phase C

RADs

Lab_chem	Background Levels	Units	SSDP0292 A-12, 0 '				SSDP0293 A-12, 2 '				SSDP0294 A-12, 10 '				SSDP0295 A-12, 20 '			
			Value		Uncert	MDA	Value		Uncert	MDA	Value		Uncert	MDA	Value		Uncert	MDA
ACTINIUM-228	0.64	PCI/G	0.326	/J	0.146	0.115	0.298	/J	0.172	0.184	0.701		0.164	0.0887	0.559		0.174	0.123
BISMUTH-212	0.43	PCI/G	0.279	/J	0.174	0.242	0.405	/J	0.327	0.405	0.368	/J	0.18	0.201	0.541	/J	0.284	0.246
BISMUTH-214	0.54	PCI/G	0.406		0.0929	0.0523	0.43		0.121	0.098	0.582		0.103	0.0448	0.564		0.11	0.0592
CARBON-14	0.13	PCI/G	-0.0668	/U	0.699	1.22	-0.494	/U	0.7	1.25	0.0176	/U	1.05	1.82	0.303	/U	0.634	1.08
CESIUM-137	0.012	PCI/G	0.0396	/J	0.0279	0.027	0.008	/U	0.0263	0.0477	0.0	/U	0.0197	0.0343	0.0024	/U	0.0167	0.0301
COBALT-60	0.006	PCI/G	0.0077	/U	0.0166	0.0325	0.0235	/U	0.023	0.0517	-0.0037	/U	0.0152	0.0269	-0.0129	/U	0.0192	0.032
GROSS ALPHA	8.7	PCI/G	9.06		3.16	2.13	5.32		2.81	4.16	8.49		3.26	3.98	8.84		3.26	3.72
LEAD-210	1.6	PCI/G	0.575	/J	0.309	0.312	2.35	/U	2.3	2.41	0.564	/J	0.267	0.253	2.7	/U	3.22	2.98
LEAD-212	0.7	PCI/G	0.517		0.0803	0.0389	0.484		0.0964	0.0621	0.631		0.0896	0.0309	0.628		0.0915	0.0482
LEAD-214	0.58	PCI/G	0.508		0.0973	0.0531	0.534		0.118	0.0892	0.594		0.0942	0.045	0.672		0.105	0.0558
NONVOLATILE BETA	15	PCI/G	16.6		3.43	4.74	14.1		3.3	5.08	13.8		3.09	4.81	17.8		3.42	4.7
POTASSIUM-40	14	PCI/G	11.1		1.32	0.312	10.4		1.41	0.41	11.1		1.23	0.191	14		1.69	0.316
RADIUM-226	0.75	PCI/G	0.44	/J	0.0702	0.027	0.455	/J	0.0678	0.0252	0.527		0.079	0.0329	0.566		0.08	0.0256
STRONTIUM-90	0.056	PCI/G	-0.078	/U	0.228	0.551	-0.0051	/U	0.225	0.523	-0.164	/U	0.298	0.722	-0.108	/U	0.158	0.395
THALLIUM-208	0.22	PCI/G	0.176	/J	0.0423	0.027	0.186	/J	0.0556	0.045	0.197	/J	0.0377	0.0235	0.182	/J	0.0367	0.0301
THORIUM-234	0.78	PCI/G	0.497	/J	0.332	0.368	0.845	/U	1.35	1.25	0.63	/J	0.327	0.304	0.483	/U	1.11	0.992
URANIUM-235	0.039	PCI/G	0.0284	/U	0.0749	0.138	0.154	/U	0.144	0.259	0.136	/J	0.124	0.129	0.212	/J	0.184	0.186
URANIUM-238	0.65	PCI/G	0.497	/J	0.332	0.368	0.845	/U	1.35	1.25	0.63	/J	0.327	0.304	0.483	/U	1.11	0.992
WEIGHT OF SAMPLE, A		MG	38		NA	0.0	37.2		NA	0.0	49.5		NA	0.0	34.6		NA	0.0
WEIGHT OF SAMPLE, SR		MG	8.3		NA	0.0	7.6		NA	0.0	7.3		NA	0.0	8.4		NA	0.0

Table C2.4
LEHR Environmental Restoration
Analytical Results For DPI Phase C

RADs

Lab_chem	Background Levels	Units	SSDP0296 A-12, 25 '				SSDP0297 A-12, (FD), 26 '			
			Value		Uncert	MDA	Value		Uncert	MDA
ACTINIUM-228	0.64	PCI/G	0.702		0.183	0.119	0.529		0.16	0.116
BISMUTH-212	0.43	PCI/G	0.468	/J	0.289	0.244	0.298	/J	0.173	0.19
BISMUTH-214	0.54	PCI/G	0.531		0.105	0.0581	0.468		0.1	0.0622
CARBON-14	0.13	PCI/G	0.0115	/U	0.689	1.19	-0.148	/U	0.708	1.24
CESIUM-137	0.012	PCI/G	-0.0052	/U	0.019	0.0333	0.0126	/U	0.0278	0.0307
COBALT-60	0.006	PCI/G	-0.0014	/U	0.0174	0.032	0.0061	/U	0.0194	0.0369
GROSS ALPHA	8.7	PCI/G	8.28		2.77	1.95	7.89		3.01	2.98
LEAD-210	1.6	PCI/G	1.93	/U	1.96	3.27	0.33	/U	0.273	0.354
LEAD-212	0.7	PCI/G	0.658		0.0973	0.0464	0.575		0.0884	0.0423
LEAD-214	0.58	PCI/G	0.61		0.107	0.0625	0.56		0.111	0.051
NONVOLATILE BETA	15	PCI/G	19.9		3.17	3.76	15.4		3.39	5.09
POTASSIUM-40	14	PCI/G	15.1		1.78	0.296	14		1.64	0.272
RADIUM-226	0.75	PCI/G	0.582		0.111	0.0538	0.516		0.0787	0.0265
STRONTIUM-90	0.056	PCI/G	-0.183	/U	0.206	0.531	0.204	/U	0.294	0.634
THALLIUM-208	0.22	PCI/G	0.229		0.0525	0.0302	0.171	/J	0.0423	0.0327
THORIUM-234	0.78	PCI/G	0.459	/U	0.873	1.06	0.772	/J	0.392	0.382
URANIUM-235	0.039	PCI/G	0.0756	/U	0.0975	0.179	0.169	/J	0.157	0.154
URANIUM-238	0.65	PCI/G	0.459	/U	0.873	1.06	0.772	/J	0.392	0.382
WEIGHT OF SAMPLE, A&		MG	36.3		NA	0.0	31.1		NA	0.0
WEIGHT OF SAMPLE, SR		MG	7.9		NA	0.0	7.6		NA	0.0

Table C2.4
LEHR Environmental Restoration
Analytical Results For DPI Phase C

RADs

Lab_chem	Background Levels	Units	WSDP0003 C-15, 18.5 '				WSDP0004 F-26, 18 '				WSDP0005 Rinsate, '				WSDP0006 H-32, 15.5 '			
			Value		Uncert	MDA	Value		Uncert	MDA	Value		Uncert	MDA	Value		Uncert	MDA
ACTINIUM-228		PCI/L	---		---	---	---		---	---	5.08	/U	16.2	16.3	---		---	---
BISMUTH-212		PCI/L	---		---	---	---		---	---	17.7	/U	19	36.6	---		---	---
BISMUTH-214		PCI/L	---		---	---	---		---	---	9.61	/U	4.85	9.66	---		---	---
CARBON-14		PCI/L	---		---	---	---		---	---	-0.589	/U	5.23	9.09	---		---	---
CESIUM-137		PCI/L	---		---	---	---		---	---	1.14	/U	2.32	4.39	---		---	---
COBALT-60		PCI/L	---		---	---	---		---	---	0.597	/U	2.58	4.98	---		---	---
GROSS ALPHA		PCI/L	2.08		0.872	1.09	1.52	/U	1.08	1.65	0.0159	/U	0.161	0.367	2.94		1.05	1.21
LEAD-210		PCI/L	---		---	---	---		---	---	1.800		974	652	---		---	---
LEAD-212		PCI/L	---		---	---	---		---	---	4.34	/U	6.86	8.07	---		---	---
LEAD-214		PCI/L	---		---	---	---		---	---	0.0685	/U	8.58	7.4	---		---	---
NONVOLATILE BETA		PCI/L	3.26		1.43	2.3	2.29	/J	1.09	2.01	0.881	/U	0.59	1.14	1.14	/U	1.34	2.25
POTASSIUM-40		PCI/L	---		---	---	---		---	---	6.32	UJd/U	29.6	55.8	---		---	---
RADIUM-226		PCI/L	0.208	/U	0.303	0.51	0.968	UJz/J	0.471	0.396	0.702	/J	0.41	0.398	0.248	UJz/J	0.243	0.168
STRONTIUM-90		PCI/L	0.179	/U	0.275	0.515	-0.103	/U	0.279	0.549	-0.141	/U	0.274	0.548	0.172	/U	0.204	0.377
THALLIUM-208		PCI/L	---		---	---	---		---	---	2.79	/U	5.25	3.92	---		---	---
THORIUM-234		PCI/L	---		---	---	---		---	---	36.9	/U	181	160	---		---	---
URANIUM-235		PCI/L	---		---	---	---		---	---	7.3	/U	20.4	24.5	---		---	---
URANIUM-238		PCI/L	---		---	---	---		---	---	36.9	/U	181	160	---		---	---
WEIGHT OF SAMPLE. A		MG	32.4		NA	0.0	91.3		NA	0.0	2.8		NA	0.0	49.4		NA	0.0
WEIGHT OF SAMPLE. SR		MG	8.2		NA	0.0	8.6		NA	0.0	7.3		NA	0.0	10.1		NA	0.0

Table C2.4
LEHR Environmental Restoration
Analytical Results For DPI Phase C

RADs

Lab_chem	Background Levels	Units	WSDP0007 G-22, 17 '				WSDP0008 G-22, (FD), 17 '				WSDP0009 J-24, 14 '				WSDP0010 Rinsate, '			
			Value		Uncert	MDA	Value		Uncert	MDA	Value		Uncert	MDA	Value		Uncert	MDA
ACTINIUM-228		PCI/L	---		---	---	---		---	---	---		---	---	11.5	/U	8.59	17.1
BISMUTH-212		PCI/L	---		---	---	---		---	---	---		---	---	2.46	/U	18.3	32.4
BISMUTH-214		PCI/L	---		---	---	---		---	---	---		---	---	6.19	/U	5.32	9.81
CARBON-14		PCI/L	---		---	---	---		---	---	---		---	---	0.558	UJm/U	3.62	6.18
CESIUM-137		PCI/L	---		---	---	---		---	---	---		---	---	0.993	/U	2.54	4.57
COBALT-60		PCI/L	---		---	---	---		---	---	---		---	---	0.283	/U	3.04	5.49
GROSS ALPHA		PCI/L	1.3	/U	1.07	1.71	1.2	/U	0.838	1.27	3.55		1.49	2.1	0.0068	/U	0.278	0.609
LEAD-210		PCI/L	---		---	---	---		---	---	---		---	---	459	/U	691	536
LEAD-212		PCI/L	---		---	---	---		---	---	---		---	---	5.07	/U	6.93	8.06
LEAD-214		PCI/L	---		---	---	---		---	---	---		---	---	4.99	/U	4.82	8.96
NONVOLATILE BETA		PCI/L	1.7	/U	1.44	2.39	1.53	/U	0.883	1.66	1.87	/U	1.64	2.73	0.466	/U	0.826	1.63
POTASSIUM-40		PCI/L	---		---	---	---		---	---	---		---	---	5.71	/U	50.9	46.6
RADIUM-226		PCI/L	0.3	/U	0.438	0.737	0.159	/U	0.311	0.57	0.875	UJz/J	0.542	0.237	0.253	/J	0.222	0.137
STRONTIUM-90		PCI/L	0.0668	/U	0.262	0.501	0.211	/U	0.264	0.491	0.0386	/U	0.3	0.577	-0.139	/U	0.29	0.576
THALLIUM-208		PCI/L	---		---	---	---		---	---	---		---	---	0.92	/U	5.73	5.28
THORIUM-234		PCI/L	---		---	---	---		---	---	---		---	---	81.3	/U	164	160
URANIUM-235		PCI/L	---		---	---	---		---	---	---		---	---	13.3	/U	14.4	25.4
URANIUM-238		PCI/L	---		---	---	---		---	---	---		---	---	81.3	/U	164	160
WEIGHT OF SAMPLE, A		MG	32.5		NA	0.0	67.1		NA	0.0	52.6		NA	0.0	0.9		NA	0.0
WEIGHT OF SAMPLE, SR		MG	8.6		NA	0.0	9.2		NA	0.0	9.1		NA	0.0	7.6		NA	0.0

Table C2.4
LEHR Environmental Restoration
Analytical Results For DPI Phase C

RADs

Lab_chem	Background Levels	Units	WSDP0011 A-14, 22'			
			Value		Uncert	MDA
GROSS ALPHA		PCI/L	0.81	/U	0.914	1.51
NONVOLATILE BETA		PCI/L	0.289	/U	1.17	2.01
RADIUM-226		PCI/L	0.314	UJz/J	0.275	0.17
STRONTIUM-90		PCI/L	-1.15	/U	0.94	1.68
WEIGHT OF SAMPLE, A&		MG	28.1		NA	0.0
WEIGHT OF SAMPLE, SR		MG	10.3		NA	0.0

Table C2.4
LEHR Environmental Restoration
Analytical Results For DPI Phase C

Table Specifiers:

The following descriptions provide a brief explanation of codes used in association with the sample ids.

WS= Ground water sample
FD= Field Duplicate
= Shading indicates that the measured concentration is above background

Data Validation Qualifier Definitions:

The following definitions provide brief explanations of the data validation qualifiers assigned to results in the data review process.

U = The analyte was analyzed for, but was not detected above the reported sample quantitation limit.
J = The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.
N = The analysis indicates the presence of an analyte for which there is presumptive evidence to make a "tentative identification".
NJ = The analysis indicates the presence of an analyte that has been "tentatively identified" and the associated numerical value represents its approximate concentration.
UJ = The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.
R = The sample results are rejected due to serious deficiencies in the ability to analyze the sample and meet quality control criteria. The presence or absence of the analyte cannot be verified.

Data Validation Reason Code Definitions:

The following descriptions provide brief explanation of the cause for qualification of the results determined in the data review process. These reason codes are used in combination with data qualifier, i.e. "Uz" indicated the analyte is non-detect due to method blank contamination.

c = Calibration failure; poor or unstable response.
d = Matrix duplicate imprecision or matrix spike/matrix spike duplicate imprecision.
f = Field replicate or duplicate imprecision.
h = Holding time violation.
i = Internal standard failure.
l = Laboratory control sample (LCS) recovery failure.
m = Matrix spike/matrix spike duplicate (MS/MSD) recovery failure.
s = Surrogate spike recovery failure.
z = Method blank contamination.
/ = Validation Qualifier / Lab Qualifier.
B = Analyte was detected in the associated method blank.
E = Concentration exceeds calibration range.
P = Concentrations between the two GC columns are greater than 25% difference.
N= Spiked sample recovery not within control limits.
* = Duplicate analysis not within control limit.

APPENDIX C3

ANALYTICAL RESULTS FOR BI

Table C3.1
LEHR Environmental Restoration
Analytical Results For BI

General Chemistry

	Background Level	UNITS	LEHR-SS-BG-0065 WA-1, 0 '		LEHR-SS-BG-0066 WA-1, 4'		LEHR-SS-BG-0067 WA-1, 8'		LEHR-SS-BG-0068 WA-1, 12'		LEHR-SS-BG-0069 WA-1, 16'		LEHR-SS-BG-0070 WA-1, 20'	
CHROMIUM, HEXAVALENT	0.054	MG/KG	0.0525	Jhm/J	<0.0614	UJhm/U	<0.0574	UJhm/U	<0.058	UJhm/U	0.0482	Jm/J	<0.0568	UJm/U
EVAPORATIVE LOSS @ 105 C		WT%	20		19		15		16		17		15	
NITROGEN, NITRATE	36	MG/KG	**68.9**	Jm/	18.1		17.2		11.5		7.11		9.61	
PH		PH UNI	7		7.45		7.73		7.88		7.9		7.66	
PH TEMPERATURE		C	23.6		23.4		23.5		22		22.9		22.6	

Table C3.1
LEHR Environmental Restoration
Analytical Results For BI

General Chemistry

	Background Level	UNITS	LEHR-SS-BG-0071 WA-1, 30.5 '		LEHR-SS-BG-0072 WA-1, 36.5'		LEHR-SS-BG-0073 WA-2, 0'		LEHR-SS-BG-0074 WA-2, 4'		LEHR-SS-BG-0075 WA-2, 8'		LEHR-SS-BG-0076 WA-2, 12'	
CHROMIUM, HEXAVALENT	0.054	MG/KG	<0.0572	UJm/U	<0.059	UJm/U	0.0406	Jm/J	<0.0534	UJm/U	0.0167	Jm/J	0.0493	Jm/J
EVAPORATIVE LOSS @ 105 C		WT%	15		18		4		9		13		15	
NITROGEN, NITRATE	36	MG/KG	8.93		10.8		1.65		1.88		1.25		1.22	
PH		PH UNI	7.73		7.89		6.99		7.76		7.65		8.15	
PH TEMPERATURE		C	23.8		22.7		23.1		22.8		22.5		22.2	

Table C3.1
LEHR Environmental Restoration
Analytical Results For BI

General Chemistry

	Background Level	UNITS	LEHR-SS-BG-0077 WA-2, 16 '		LEHR-SS-BG-0078 WA-2, 20'		LEHR-SS-BG-0079 WA-2, 34'		LEHR-SS-BG-0080 WA-2, (FD), 31.5'		LEHR-SS-BG-0081 WA-2, 40'		LEHR-SS-BG-0082 WA-3, 0'	
CHROMIUM, HEXAVALENT	0.054	MG/KG	0.0423	Jm/J	0.0387	Jm/J	<0.0576	UJm/U	<0.0576	UJm/U	0.0287	Jm/J	0.0447	Jhm/J
EVAPORATIVE LOSS @ 105 C		WT%	14		16		15		15		24		5	
NITROGEN, NITRATE	36	MG/KG	1.25		1.57		1.52		1.36		2.03		21.8	
PH		PH UNI	8.19		8.09		8		8.07		7.99		6.62	
PH TEMPERATURE		C	22.5		22.5		24.2		23		22.5		22	

Table C3.1
LEHR Environmental Restoration
Analytical Results For BI

General Chemistry

	Background Level	UNITS	LEHR-SS-BG-0083 WA-3, 4 '		LEHR-SS-BG-0084 WA-3, 8'		LEHR-SS-BG-0085 WA-3, 12'		LEHR-SS-BG-0086 WA-3, 16'		LEHR-SS-BG-0087 WA-3, 20'		LEHR-SS-BG-0088 WA-3, (FD), 22'	
CHROMIUM, HEXAVALENT	0.054	MG/KG	0.0195	Jhm/J	0.0209	Jhm/J	<0.0584	UJhm/U	0.0333	Jhm/J	<0.058	UJhm/U	<0.0566	UJhm/U
EVAPORATIVE LOSS @ 105 C		WT%	11		15		15		18		13		12	
NITROGEN, NITRATE	36	MG/KG	2.01		1.73		1.62		**46**		**66.5**		36	
PH		PH UNI	7.82		7.9		7.98		7.88		7.82		7.9	
PH TEMPERATURE		C	21.7		21.2		22.1		21.6		21.1		21.2	

Table C3.1
LEHR Environmental Restoration
Analytical Results For BI

General Chemistry

	Background Level	UNITS	LEHR-SS-BG-0089 WA-3, 30 '		LEHR-SS-BG-0090 WA-3, 40'		LEHR-SS-BG-0091 WA-4, 0'		LEHR-SS-BG-0092 WA-4, 4'		LEHR-SS-BG-0093 WA-4, 8'		LEHR-SS-BG-0094 WA-4, 12'	
CHROMIUM, HEXAVALENT	0.054	MG/KG	<0.058	UJhm/U	0.0244	Jhm/J	0.0494	Jhm/J	<0.0528	UJhm/U	0.0249	Jhm/J	0.0281	Jhm/J
EVAPORATIVE LOSS @ 105 C		WT%	14		18		4		5		12		15	
NITROGEN, NITRATE	36	MG/KG	18.4		15.4		5.88		0.541		3.31		9.85	
PH		PH UNI	8.07		7.91		7.08		8.1		8.07		7.98	
PH TEMPERATURE		C	21.2		21.1		21.2		21.1		21		21.2	

Table C3.1
LEHR Environmental Restoration
Analytical Results For BI

General Chemistry

	Background Level	UNITS	LEHR-SS-BG-0095 WA-4, (FD), 13'		LEHR-SS-BG-0096 WA-4, 16'		LEHR-SS-BG-0097 WA-4, 20'		LEHR-SS-BG-0098 WA-4, 30'		LEHR-SS-BG-0099 WA-4, 40'		LEHR-SS-BG-0100 WA-5, 0'	
CHROMIUM, HEXAVALENT	0.054	MG/KG	<0.059	UJhm/U	<0.0556	UJhm/U	0.0224	Jhm/J	<0.0612	UJhm/U	0.0559	Jhm/J	0.0216	Jhm/J
EVAPORATIVE LOSS @ 105 C		WT%	18		13		11		18		16		8	
NITROGEN, NITRATE	36	MG/KG	10.5		16		12.9		1.1		3.77		29.3	
PH		PH UNI	7.95		8.05		8.12		7.53		8.06		6.91	
PH TEMPERATURE		C	21.2		22.1		25		24.1		23.1		21.1	

Table C3.1
LEHR Environmental Restoration
Analytical Results For BI

General Chemistry

	Background Level	UNITS	LEHR-SS-BG-0101 WA-5, 4 '		LEHR-SS-BG-0102 WA-5, 8'		LEHR-SS-BG-0103 WA-5, 12'		LEHR-SS-BG-0104 WA-5, 16'		LEHR-SS-BG-0105 WA-5, 20'		LEHR-SS-BG-0106 WA-5, (FD), 21.5'	
CHROMIUM, HEXAVALENT	0.054	MG/KG	0.024	Jhm/J	0.021	Jhm/J	<0.059	UJhm/U	0.0173	Jhm/J	<0.0584	UJhm/U	0.0176	Jhm/J
EVAPORATIVE LOSS @ 105 C		WT%	17		17		16		15		15		15	
NITROGEN, NITRATE	36	MG/KG	12		7.22		6.09		3		3.42		4.12	
PH		PH UNI	7.32		8.04		7.87		8.1		8.13		7.96	
PH TEMPERATURE		C	20.1		20.1		20.1		20		19.6		20	

Table C3.1
LEHR Environmental Restoration
Analytical Results For BI

General Chemistry

	Background Level	UNITS	LEHR-SS-BG-0107 WA-5, 30 '		LEHR-SS-BG-0108 WA-5, 40'		LEHR-SS-BG-0109 WA-6, 0'		LEHR-SS-BG-0110 WA-6, 4'		LEHR-SS-BG-0111 WA-6, 8'		LEHR-SS-BG-0112 WA-6, 12'	
CHROMIUM, HEXAVALENT	0.054	MG/KG	<0.0602	UJhm/U	<0.0594	UJhm/U	**0.0822**	Jhm/	<0.054	UJhm/U	<0.0584	UJhm/U	0.0332	Jhm/J
EVAPORATIVE LOSS @ 105 C		WT%	17		18		5		7		15		20	
NITROGEN, NITRATE	36	MG/KG	6.44		4.3		**106**	Jh/	21.6		15.9		22.1	
PH		PH UNI	8.01		8.1		7.08		7.57		8.1		8.1	
PH TEMPERATURE		C	20		20		21.3		20.6		20.8		20.9	

Table C3.1
LEHR Environmental Restoration
Analytical Results For BI

General Chemistry

Location Date	Background Level	UNITS	LEHR-SS-BG-0113 WA-6, 16 '		LEHR-SS-BG-0114 WA-6, 20'		LEHR-SS-BG-0115 WA-6, 30'		LEHR-SS-BG-0116 WA-6, 40'	
CHROMIUM, HEXAVALENT	0.054	MG/KG	<0.0606	UJhm/U	<0.057	UJhm/U	<0.0592	UJhm/U	0.0233	Jhm/J
EVAPORATIVE LOSS @ 105 C		WT%	18		15		16		16	
NITROGEN, NITRATE	36	MG/KG	7.31		5.57		2.82		2.63	
PH		PH UNI	8.15		8.32		8.08		8.04	
PH TEMPERATURE		C	20.8		21		20.6		20.4	

Table C3.1
LEHR Environmental Restoration
Analytical Results For BI

Table Specifiers:

The following descriptions provide a brief explanation of codes used in association with the sample ids.

WS= Ground water sample
FD= Field Duplicate
= Shading indicates that the measured concentration is above background

Data Validation Qualifier Definitions:

The following definitions provide brief explanations of the data validation qualifiers assigned to results in the data review process.

U = The analyte was analyzed for, but was not detected above the reported sample quantitation limit.
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N = The analysis indicates the presence of an analyte for which there is presumptive evidence to make a "tentative identification".
NJ = The analysis indicates the presence of an analyte that has been "tentatively identified" and the associated numerical value represents its approximate concentration.
UJ = The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.
R = The sample results are rejected due to serious deficiencies in the ability to analyze the sample and meet quality control criteria. The presence or absence of the analyte cannot be verified.

Data Validation Reason Code Definitions:

The following descriptions provide brief explanation of the cause for qualification of the results determined in the data review process. These reason codes are used in combination with data qualifier, i.e. "Uz" indicated the analyte is non-detect due to method blank contamination.

c = Calibration failure; poor or unstable response.
d = Matrix duplicate imprecision or matrix spike/matrix spike duplicate imprecision.
f = Field replicate or duplicate imprecision.
h = Holding time violation.
i = Internal standard failure.
l = Laboratory control sample (LCS) recovery failure.
m = Matrix spike/matrix spike duplicate (MS/MSD) recovery failure.
s = Surrogate spike recovery failure.
z = Method blank contamination.
/ = Validation Qualifier / Lab Qualifier.
B = Analyte was detected in the associated method blank.
E = Concentration exceeds calibration range.
P = Concentrations between the two GC columns are greater than 25% difference.
N= Spiked sample recovery not within control limits.
* = Duplicate analysis not within control limit.

Table C3.2
LEHR Environmental Restoration
Analytical Results For BI

Metals by CLP

	Background Level	UNITS	LEHR-SS-BG-0065 WA-1, 0'		LEHR-SS-BG-0066 WA-1, 4'		LEHR-SS-BG-0067 WA-1, 8'		LEHR-SS-BG-0068 WA-1, 12'		LEHR-SS-BG-0069 WA-1, 16'		LEHR-SS-BG-0070 WA-1, 20'	
ANTIMONY	1.4	MG/KG	1.6	UJzmd/N*	0.79	UJzmd/N*	0.95	UJzmd/N*	1.4	UJzmd/N*	1.1	UJzmd/N*	1.1	UJzmd/N*
CADMIUM	0.51	MG/KG	0.1	J/B	<0.072	/U	<0.069	/U	0.09	J/B	<0.072	/U	<0.071	/U
CHROMIUM	181	MG/KG	181	Jd/*	129	Jd/*	105	Jd/*	112	Jd/*	88.5	Jd/*	73.8	Jd/*
COPPER	60	MG/KG	41.5	Jmd/N*	49.1	Jmd/N*	44.2	Jmd/N*	59.8	Jmd/N*	56.7	Jmd/N*	37.6	Jmd/N*
LEAD	9.5	MG/KG	7.6	Jd/*	8	Jd/*	7.2	Jd/*	7.8	Jd/*	7.4	Jd/*	7.2	Jd/*
MERCURY	0.63	MG/KG	**1**		0.21		0.14		**0.69**		0.16		0.11	J/B
MOLYBDENUM		MG/KG	<0.2	/U	<0.2	/U	<0.19	/U	<0.19	/U	<0.19	/U	<0.19	/U
NICKEL	330	MG/KG	**339**	Jd/*	252	Jd/*	206	Jd/*	237	Jd/*	214	Jd/*	120	Jd/*
SILVER	0.55	MG/KG	0.35	UJzd/*	0.6	UJzd/*	0.25	UJzd/*	0.73	UJzd/*	0.48	UJzd/*	0.48	UJzd/*
THALLIUM	1.6	MG/KG	<0.6	/U	<0.58	/U	<0.55	/U	<0.57	/U	<0.57	/U	<0.57	/U

Table C3.2
LEHR Environmental Restoration
Analytical Results For BI

Metals by CLP

	Background Level	UNITS	LEHR-SS-BG-0071 WA-1, 30.5 '		LEHR-SS-BG-0072 WA-1, 36.5'		LEHR-SS-BG-0073 WA-2, 0'		LEHR-SS-BG-0074 WA-2, 4'		LEHR-SS-BG-0075 WA-2, 8'		LEHR-SS-BG-0076 WA-2, 12'	
ANTIMONY	1.4	MG/KG	0.81	UJzmd/N*	1.8	UJzmd/N*	1.2	UJzmd/N*	0.93	UJzmd/N*	1.4	UJzmd/N*	1.1	UJzmd/N*
CADMIUM	0.51	MG/KG	0.09	J/B	0.18	J/B	0.11	J/B	0.07	J/B	<0.067	/U	<0.07	/U
CHROMIUM	181	MG/KG	96.7	Jd/*	120	Jd/*	171	Jd/*	93	Jd/*	116	Jd/*	106	Jd/*
COPPER	60	MG/KG	**72.3**	Jmd/N*	46.3	Jmd/N*	35.2	Jmd/N*	31.3	Jmd/N*	**63.8**	Jmd/N*	45.7	Jmd/N*
LEAD	9.5	MG/KG	9.4	Jd/*	7.9	Jd/*	9.2	Jd/*	5.3	Jd/*	7.6	Jd/*	7.6	Jd/*
MERCURY	0.63	MG/KG	0.14		0.21		0.62		0.19		0.21		0.15	
MOLYBDENUM		MG/KG	0.24		<0.2	/U	<0.17	/U	<0.18	/U	<0.18	/U	<0.19	/U
NICKEL	330	MG/KG	218	Jd/*	251	Jd/*	287	Jd/*	184	Jd/*	248	Jd/*	206	Jd/*
SILVER	0.55	MG/KG	0.56	UJzd/*	0.6	UJzd/*	0.53	UJzd/*	0.37	UJzd/*	0.7	UJzd/*	0.44	UJzd/*
THALLIUM	1.6	MG/KG	<0.57	/U	<0.59	/U	<0.5	/U	<0.53	/U	<0.54	/U	<0.56	/U

Table C3.2
LEHR Environmental Restoration
Analytical Results For BI

Metals by CLP

	Background Level	UNITS	LEHR-SS-BG-0077 WA-2, 16'		LEHR-SS-BG-0078 WA-2, 20'		LEHR-SS-BG-0079 WA-2, 34'		LEHR-SS-BG-0080 WA-2, (FD), 31.5'		LEHR-SS-BG-0081 WA-2, 40'		LEHR-SS-BG-0082 WA-3, 0'	
ANTIMONY	1.4	MG/KG	1.4	UJzmd/N*	1.5	UJzmd/N*	1.2	UJzmd/N*	1.7	UJzmd/N*	0.83	UJzmd/N*	<0.38	UJm/N*U
CADMIUM	0.51	MG/KG	<0.07	/U	<0.07	/U	0.1	J/B	<0.07	/U	<0.079	/U	0.37	Jd/*
CHROMIUM	181	MG/KG	117	Jd/*	57.8	Jd/*	94.7	Jd/*	108	Jd/*	57.5	Jd/*	122	
COPPER	60	MG/KG	**63.9**	Jmd/N*	40.1	Jmd/N*	51.3	Jmd/N*	52.8	Jmd/N*	22.6	Jmd/N*	45.8	Jm/
LEAD	9.5	MG/KG	7.8	Jd/*	7.7	Jd/*	6.3	Jd/*	5.8	Jd/*	3.2	Jd/*	**9.8**	
MERCURY	0.63	MG/KG	0.14		0.09		0.16		0.12		0.19		0.31	
MOLYBDENUM		MG/KG	<0.19	/U	<0.19	/U	<0.19	/U	<0.19	/U	<0.21	/U	<0.17	/U
NICKEL	330	MG/KG	218	Jd/*	85.5	Jd/*	182	Jd/*	184	Jd/*	102	Jd/*	258	
SILVER	0.55	MG/KG	0.36	UJzd/*	0.53	UJzd/*	0.41	UJzd/*	0.42	UJzd/*	0.3	UJzd/*	0.53	UJz/
THALLIUM	1.6	MG/KG	<0.56	/U	<0.56	/U	<0.56	/U	<0.56	/U	<0.64	/U	<0.5	/U

Table C3.2
LEHR Environmental Restoration
Analytical Results For BI

Metals by CLP

	Background Level	UNITS	LEHR-SS-BG-0083 WA-3, 4 '		LEHR-SS-BG-0084 WA-3, 8'		LEHR-SS-BG-0085 WA-3, 12'		LEHR-SS-BG-0086 WA-3, 16'		LEHR-SS-BG-0087 WA-3, 20'		LEHR-SS-BG-0088 WA-3, (FD), 22'	
ANTIMONY	1.4	MG/KG	<0.41	UJm/N*U	0.45	UJzmd/N*	<0.42	UJm/N*U	<0.44	UJm/N*U	0.77	UJzmd/N*	<0.41	UJm/N*U
CADMIUM	0.51	MG/KG	0.3	Jd/*	0.22	Jd/*	0.21	Jd/*	0.3	Jd/*	0.22	Jd/*	0.18	Jd/*
CHROMIUM	181	MG/KG	112		111		80.4		103		52.7		44.1	
COPPER	60	MG/KG	44	Jm/	49.1	Jm/	37.5	Jm/	53.2	Jm/	35.1	Jm/	30.8	Jm/
LEAD	9.5	MG/KG	7.8		8.7		7.4		8.7		8.5		7.9	
MERCURY	0.63	MG/KG	0.18		0.17		0.14		0.23		0.05	J/B	0.08	J/B
MOLYBDENUM		MG/KG	<0.18	/U	<0.19	/U	<0.19	/U	<0.2	/U	<0.19	/U	<0.18	/U
NICKEL	330	MG/KG	235		226		200		229		84		72.9	
SILVER	0.55	MG/KG	0.51	UJz/	0.5	UJz/	0.36	UJz/	0.61	UJz/	0.48	UJz/	0.32	UJz/
THALLIUM	1.6	MG/KG	<0.54	/U	<0.56	/U	<0.56	/U	<0.58	/U	<0.55	/U	<0.55	/U

Table C3.2
LEHR Environmental Restoration
Analytical Results For BI

Metals by CLP

	Background Level	UNITS	LEHR-SS-BG-0089 WA-3, 30'		LEHR-SS-BG-0090 WA-3, 40'		LEHR-SS-BG-0091 WA-4, 0'		LEHR-SS-BG-0092 WA-4, 4'		LEHR-SS-BG-0093 WA-4, 8'		LEHR-SS-BG-0094 WA-4, 12'	
ANTIMONY	1.4	MG/KG	<0.42	UJm/N*U	0.81	UJzmd/N*	0.8	UJzmd/N*	0.57	UJzmd/N*	0.71	UJzmd/N*	0.63	UJzmd/N*
CADMIUM	0.51	MG/KG	0.26	Jd/*	0.3	Jd/*	0.42	Jd/*	0.34	Jd/*	0.3	Jd/*	0.32	Jd/*
CHROMIUM	181	MG/KG	65.4		88.9		163		**306**		116		100	
COPPER	60	MG/KG	40.9	Jm/	47.3	Jm/	42.3	Jm/	25.7	Jm/	43	Jm/	50.1	Jm/
LEAD	9.5	MG/KG	7.5		7		**14.9**		5.6		7.4		8.5	
MERCURY	0.63	MG/KG	0.13		0.17		**1.1**		0.21		0.18		0.15	
MOLYBDENUM		MG/KG	<0.19	/U	<0.2	/U	<0.17	/U	<0.17	/U	<0.18	/U	<0.19	/U
NICKEL	330	MG/KG	140		194		290		**503**		245		209	
SILVER	0.55	MG/KG	0.61	UJz/	0.63	UJz/	0.66	UJz/	0.52	UJz/	0.5	UJz/	0.59	UJz/
THALLIUM	1.6	MG/KG	1.3		<0.58	/U	1.3		**1.7**		<0.54	/U	<0.57	/U

Table C3.2
LEHR Environmental Restoration
Analytical Results For BI

Metals by CLP

	Background Level	UNITS	LEHR-SS-BG-0095 WA-4, (FD), 13'		LEHR-SS-BG-0096 WA-4, 16'		LEHR-SS-BG-0097 WA-4, 20'		LEHR-SS-BG-0098 WA-4, 30'		LEHR-SS-BG-0099 WA-4, 40'		LEHR-SS-BG-0100 WA-5, 0'	
ANTIMONY	1.4	MG/KG	<0.44	UJm/N*U	<0.41	UJm/N*U	0.41	UJzmd/N*	<0.44	UJm/N*U	<0.43	UJm/N*U	0.45	UJzm/N
CADMIUM	0.51	MG/KG	0.25	Jd/*	0.26	Jd/*	0.2	Jd/*	0.29	Jd/*	0.32	Jd/*	0.3	
CHROMIUM	181	MG/KG	81.5		67.7		39.9		106		103		136	
COPPER	60	MG/KG	50.1	Jm/	36.4	Jm/	26.3	Jm/	34.2	Jm/	49.2	Jm/	30.1	Jm/
LEAD	9.5	MG/KG	7.9		7.6		8.4		6.2		9.3		7	
MERCURY	0.63	MG/KG	0.13		0.11		0.05	J/B	0.16		0.09	J/B	0.59	
MOLYBDENUM		MG/KG	<0.2	/U	<0.19	/U	<0.18	/U	<0.2	/U	<0.19	/U	<0.17	UJm/NU
NICKEL	330	MG/KG	193		109		60.7		165		190		246	
SILVER	0.55	MG/KG	0.55	UJz/	0.52	UJz/	0.36	UJz/	0.51	UJz/	0.63	UJz/	0.6	UJz/
THALLIUM	1.6	MG/KG	<0.58	/U	0.7		<0.54	/U	<0.58	/U	1.6		1.8	

Table C3.2
LEHR Environmental Restoration
Analytical Results For BI

Metals by CLP

	Background Level	UNITS	LEHR-SS-BG-0101 WA-5, 4'		LEHR-SS-BG-0102 WA-5, 8'		LEHR-SS-BG-0103 WA-5, 12'		LEHR-SS-BG-0104 WA-5, 16'		LEHR-SS-BG-0105 WA-5, 20'		LEHR-SS-BG-0106 WA-5, (FD), 21.5'	
ANTIMONY	1.4	MG/KG	0.51	UJzm/N	<0.43	UJm/NU	<0.42	UJm/NU	0.45	J/NB	<0.42	UJm/NU	<0.43	UJm/NU
CADMIUM	0.51	MG/KG	0.29		0.23	J/B	0.32		0.28		0.24		0.22	J/B
CHROMIUM	181	MG/KG	125		84.3		107		54		42.1		58.7	
COPPER	60	MG/KG	49.7	Jm/	30.7	Jm/	46.9	Jm/	39.4	Jm/	35.1	Jm/	34.6	Jm/
LEAD	9.5	MG/KG	8.6		5.2		8.5		9.7		7.5		6.3	
MERCURY	0.63	MG/KG	0.14		0.16		0.1	J/B	0.1	J/B	0.1	J/B	0.11	J/B
MOLYBDENUM		MG/KG	<0.2	UJm/NU	<0.2	UJm/NU	<0.19	UJm/NU	<0.19	UJm/NU	<0.19	UJm/NU	<0.19	UJm/NU
NICKEL	330	MG/KG	242		166		162		66.9		67.9		66.8	
SILVER	0.55	MG/KG	0.59	UJz/	0.52	UJz/	0.74	UJz/	0.62	UJz/	0.39	UJz/	0.41	UJz/
THALLIUM	1.6	MG/KG	<0.58	/U	<0.58	/U	<0.56	/U	0.85		1.3		0.83	

Table C3.2
LEHR Environmental Restoration
Analytical Results For BI

Metals by CLP

	Background Level	UNITS	LEHR-SS-BG-0107 WA-5, 30'		LEHR-SS-BG-0108 WA-5, 40'		LEHR-SS-BG-0109 WA-6, 0'		LEHR-SS-BG-0110 WA-6, 4'		LEHR-SS-BG-0111 WA-6, 8'		LEHR-SS-BG-0112 WA-6, 12'	
ANTIMONY	1.4	MG/KG	0.87	UJzm/N	0.49	UJzm/N	<0.38	UJm/NU	0.7	UJzm/N	<0.43	UJm/NU	<0.44	UJm/NU
CADMIUM	0.51	MG/KG	0.39		0.28		0.32		0.27		0.23	J/B	0.34	
CHROMIUM	181	MG/KG	76.5		61		109		156		102		105	
COPPER	60	MG/KG	50.3	Jm/	27.3	Jm/	39.3	Jm/	23.5	Jm/	38.4	Jm/	51.8	Jm/
LEAD	9.5	MG/KG	**10.1**		4.4		7.4		4.8		6.6		8.4	
MERCURY	0.63	MG/KG	0.17		0.49		0.31		0.22		0.15		0.17	
MOLYBDENUM		MG/KG	<0.2	UJm/NU	<0.2	UJm/NU	<0.17	UJm/NU	<0.18	UJm/NU	<0.19	UJm/NU	<0.2	UJm/NU
NICKEL	330	MG/KG	145		94.9		220		245		199		220	
SILVER	0.55	MG/KG	0.73	UJz/	0.58	UJz/	0.59	UJz/	0.58	UJz/	0.45	UJz/	0.52	UJz/
THALLIUM	1.6	MG/KG	0.63		<0.59	/U	0.83		1.4		<0.57	/U	0.86	

Table C3.2
LEHR Environmental Restoration
Analytical Results For BI

Metals by CLP

Location Date	Background Level	UNITS	LEHR-SS-BG-0113 WA-6, 16'		LEHR-SS-BG-0114 WA-6, 20'		LEHR-SS-BG-0115 WA-6, 30'		LEHR-SS-BG-0116 WA-6, 40'	
ANTIMONY	1.4	MG/KG	<0.43	UJm/NU	0.59	UJzm/N	<0.43	JJm/NU	<0.43	JJm/NU
CADMIUM	0.51	MG/KG	0.37		0.26		0.14	J/B	0.41	
CHROMIUM	181	MG/KG	115		72.3		75.2		91.6	
COPPER	60	MG/KG	51.9	Jm/	36.6	Jm/	32.4	Jm/	46.1	Jm/
LEAD	9.5	MG/KG	8.4		9.2		5.4		7.2	
MERCURY	0.63	MG/KG	0.13		0.17		0.13		0.16	
MOLYBDENUM		MG/KG	<0.19	UJm/NU	<0.19	UJm/NU	<0.19	UJm/NU	<0.19	UJm/NU
NICKEL	330	MG/KG	225		149		95.7		143	
SILVER	0.55	MG/KG	0.65	UJz/	0.45	UJz/	0.31	UJz/	0.55	UJz/
THALLIUM	1.6	MG/KG	<0.57	/U	<0.56	/U	<0.57	/U	1.1	

Table C3.2
LEHR Environmental Restoration
Analytical Results For BI

Table Specifiers:

The following descriptions provide a brief explanation of codes used in association with the sample ids.

WS= Ground water sample
FD= Field Duplicate
= Shading indicates that the measured concentration is above background

Data Validation Qualifier Definitions:

The following definitions provide brief explanations of the data validation qualifiers assigned to results in the data review process.

U = The analyte was analyzed for, but was not detected above the reported sample quantitation limit.
J = The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.
N = The analysis indicates the presence of an analyte for which there is presumptive evidence to make a "tentative identification".
NJ = The analysis indicates the presence of an analyte that has been "tentatively identified" and the associated numerical value represents its approximate concentration.
UJ = The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.
R = The sample results are rejected due to serious deficiencies in the ability to analyze the sample and meet quality control criteria. The presence or absence of the analyte cannot be verified.

Data Validation Reason Code Definitions:

The following descriptions provide brief explanation of the cause for qualification of the results determined in the data review process. These reason codes are used in combination with data qualifier, i.e. "Uz" indicated the analyte is non-detect due to method blank contamination.

c = Calibration failure; poor or unstable response.
d = Matrix duplicate imprecision or matrix spike/matrix spike duplicate imprecision.
f = Field replicate or duplicate imprecision.
h = Holding time violation.
i = Internal standard failure.
l = Laboratory control sample (LCS) recovery failure.
m = Matrix spike/matrix spike duplicate (MS/MSD) recovery failure.
s = Surrogate spike recovery failure.
z = Method blank contamination.
/ = Validation Qualifier / Lab Qualifier.
B = Analyte was detected in the associated method blank.
E = Concentration exceeds calibration range.
P = Concentrations between the two GC columns are greater than 25% difference.
N= Spiked sample recovery not within control limits.
* = Duplicate analysis not within control limit.

Table C3.3
LEHR Environmental Restoration
Analytical Results For BI

Pesticides by CLP

	Background Level	UNITS	LEHR-SS-BG-0065 WA-1, 0'		LEHR-SS-BG-0066 WA-1, 4'		LEHR-SS-BG-0067 WA-1, 8'	LEHR-SS-BG-0068 WA-1, 12'		LEHR-SS-BG-0069 WA-1, 16'	LEHR-SS-BG-0070 WA-1, 20'	
4,4'-DDD		UG/KG	0.62	J/JP	1.5	J/JP	NA	0.57	J/J	NA	1.1	J/J
4,4'-DDE		UG/KG	0.67	J/J	<4.1	/U	NA	<4	/U	NA	<3.9	/U
4,4'-DDT		UG/KG	1	Jc/J	1.9	Jc/JP	NA	0.58	Jc/JP	NA	3.3	Jc/J
ALDRIN		UG/KG	<2.1	/U	<2	/U	NA	<2	/U	NA	<2	/U
ALPHA-BHC		UG/KG	<2.1	/U	<2	/U	NA	<2	/U	NA	<2	/U
ALPHA-CHLORDANE		UG/KG	<2.1	/U	<2	/U	NA	<2	/U	NA	<2	/U
BETA-BHC		UG/KG	<2.1	UJc/U	<2	UJc/U	NA	<2	UJc/U	NA	<2	UJc/U
DELTA-BHC		UG/KG	<2.1	/U	<2	/U	NA	<2	/U	NA	<2	/U
DIELDRIN		UG/KG	<4.1	/U	<4.1	/U	NA	<4	/U	NA	<3.9	/U
ENDOSULFAN I		UG/KG	<2.1	/U	<2	/U	NA	<2	/U	NA	<2	/U
ENDOSULFAN II		UG/KG	<4.1	/U	<4.1	/U	NA	<4	/U	NA	<3.9	/U
ENDOSULFAN SULFATE		UG/KG	<4.1	/U	<4.1	/U	NA	<4	/U	NA	<3.9	/U
ENDRIN		UG/KG	<4.1	UJc/U	<4.1	UJc/U	NA	<4	UJc/U	NA	0.23	Jc/J
ENDRIN ALDEHYDE		UG/KG	<4.1	/U	<4.1	/U	NA	<4	/U	NA	<3.9	/U
ENDRIN KETONE		UG/KG	<4.1	/U	<4.1	/U	NA	<4	/U	NA	<3.9	/U
GAMMA-BHC		UG/KG	<2.1	/U	<2	/U	NA	<2	/U	NA	<2	/U
GAMMA-CHLORDANE		UG/KG	<2.1	/U	<2	/U	NA	<2	/U	NA	<2	/U
HEPTACHLOR		UG/KG	<2.1	/U	<2	/U	NA	<2	/U	NA	<2	/U
HEPTACHLOR EPOXIDE		UG/KG	<2.1	/U	<2	/U	NA	<2	/U	NA	<2	/U
METHOXYCHLOR		UG/KG	<20.7	UJc/U	<20.5	UJc/U	NA	<19.8	UJc/U	NA	<19.5	UJc/U
PCB-1016		UG/KG	<41.4	/U	<41	/U	NA	<39.6	/U	NA	<39.1	/U
PCB-1221		UG/KG	<41.4	/U	<41	/U	NA	<39.6	/U	NA	<39.1	/U
PCB-1232		UG/KG	<41.4	/U	<41	/U	NA	<39.6	/U	NA	<39.1	/U
PCB-1242		UG/KG	<41.4	/U	<41	/U	NA	<39.6	/U	NA	<39.1	/U
PCB-1248		UG/KG	<41.4	/U	<41	/U	NA	<39.6	/U	NA	<39.1	/U
PCB-1254		UG/KG	<41.4	/U	<41	/U	NA	<39.6	/U	NA	<39.1	/U

Table C3.3
LEHR Environmental Restoration
Analytical Results For BI

Pesticides by CLP

	Background Level	UNITS	LEHR-SS-BG-0065 WA-1, 0'		LEHR-SS-BG-0066 WA-1, 4'		LEHR-SS-BG-0067 WA-1, 8'	LEHR-SS-BG-0068 WA-1, 12'		LEHR-SS-BG-0069 WA-1, 16'	LEHR-SS-BG-0070 WA-1, 20'	
PCB-1260		UG/KG	<41.4	/U	<41	/U	NA	<39.6	/U	NA	<39.1	/U
TOXAPHENE		UG/KG	<207	/U	<205	/U	NA	<198	/U	NA	<195	/U

Table C3.3
LEHR Environmental Restoration
Analytical Results For BI

Pesticides by CLP

	Background Level	UNITS	LEHR-SS-BG-0071 WA-1, 30.5'		LEHR-SS-BG-0072 WA-1, 36.5'		LEHR-SS-BG-0073 WA-2, 0'		LEHR-SS-BG-0074 WA-2, 4'		LEHR-SS-BG-0075 WA-2, 8'	LEHR-SS-BG-0076 WA-2, 12'	
4,4'-DDD		UG/KG	NA		9.2	J/P	0.74	J/J	1.3	J/J	NA	0.61	J/JP
4,4'-DDE		UG/KG	NA		0.51	J/JP	1	J/J	<3.6	/U	NA	<3.9	/U
4,4'-DDT		UG/KG	NA		9.2	Jc/	1.5	Jc/J	1.8	Jc/J	NA	0.53	Jc/JP
ALDRIN		UG/KG	NA		1.1	J/JP	<1.7	/U	<1.8	/U	NA	<2	/U
ALPHA-BHC		UG/KG	NA		1.8	J/J	<1.7	/U	<1.8	/U	NA	<2	/U
ALPHA-CHLORDANE		UG/KG	NA		<2	/U	<1.7	/U	4		NA	<2	/U
BETA-BHC		UG/KG	NA		<2	UJc/U	<1.7	UJc/U	<1.8	UJc/U	NA	<2	UJc/U
DELTA-BHC		UG/KG	NA		0.58	J/JP	<1.7	/U	<1.8	/U	NA	<2	/U
DIELDRIN		UG/KG	NA		<4	/U	<3.5	/U	<3.6	/U	NA	<3.9	/U
ENDOSULFAN I		UG/KG	NA		<2	/U	<1.7	/U	<1.8	/U	NA	<2	/U
ENDOSULFAN II		UG/KG	NA		<4	/U	<3.5	/U	<3.6	/U	NA	<3.9	/U
ENDOSULFAN SULFATE		UG/KG	NA		<4	/U	<3.5	/U	<3.6	/U	NA	<3.9	/U
ENDRIN		UG/KG	NA		0.9	Jc/J	<3.5	UJc/U	<3.6	UJc/U	NA	<3.9	UJc/U
ENDRIN ALDEHYDE		UG/KG	NA		<4	/U	<3.5	/U	<3.6	/U	NA	<3.9	/U
ENDRIN KETONE		UG/KG	NA		<4	/U	<3.5	/U	<3.6	/U	NA	<3.9	/U
GAMMA-BHC		UG/KG	NA		0.66	J/J	<1.7	/U	<1.8	/U	NA	<2	/U
GAMMA-CHLORDANE		UG/KG	NA		<2	/U	<1.7	/U	3.6		NA	<2	/U
HEPTACHLOR		UG/KG	NA		<2	/U	<1.7	/U	<1.8	/U	NA	<2	/U
HEPTACHLOR EPOXIDE		UG/KG	NA		<2	/U	<1.7	/U	<1.8	/U	NA	<2	/U
METHOXYCHLOR		UG/KG	NA		<20	UJc/U	<17.3	UJc/U	<18.2	UJc/U	NA	<19.5	UJc/U
PCB-1016		UG/KG	NA		<40.1	/U	<34.6	/U	<36.4	/U	NA	<39.1	/U
PCB-1221		UG/KG	NA		<40.1	/U	<34.6	/U	<36.4	/U	NA	<39.1	/U
PCB-1232		UG/KG	NA		<40.1	/U	<34.6	/U	<36.4	/U	NA	<39.1	/U
PCB-1242		UG/KG	NA		<40.1	/U	<34.6	/U	<36.4	/U	NA	<39.1	/U
PCB-1248		UG/KG	NA		<40.1	/U	<34.6	/U	<36.4	/U	NA	<39.1	/U
PCB-1254		UG/KG	NA		<40.1	/U	<34.6	/U	<36.4	/U	NA	<39.1	/U

Table C3.3
LEHR Environmental Restoration
Analytical Results For BI

Pesticides by CLP

	Background Level	UNITS	LEHR-SS-BG-0071 WA-1, 30.5 '		LEHR-SS-BG-0072 WA-1, 36.5'		LEHR-SS-BG-0073 WA-2, 0'		LEHR-SS-BG-0074 WA-2, 4'		LEHR-SS-BG-0075 WA-2, 8'	LEHR-SS-BG-0076 WA-2, 12'	
PCB-1260		UG/KG	NA		<40.1	/U	<34.6	/U	<36.4	/U	NA	<39.1	/U
TOXAPHENE		UG/KG	NA		<200	/U	<173	/U	<182	/U	NA	<195	/U

Table C3.3
LEHR Environmental Restoration
Analytical Results For BI

Pesticides by CLP

	Background Level	UNITS	LEHR-SS-BG-0077 WA-2, 16'		LEHR-SS-BG-0078 WA-2, 20'		LEHR-SS-BG-0079 WA-2, 34'	LEHR-SS-BG-0080 WA-2, (FD), 31.5'		LEHR-SS-BG-0081 WA-2, 40'		LEHR-SS-BG-0082 WA-3, 0'	
4,4'-DDD		UG/KG	NA	3.3	J/JPB	NA	NA	0.31	J/JP	1.4	J/J		
4,4'-DDE		UG/KG	NA	<3.9	/U	NA	NA	<4.3	/U	1.8	J/J		
4,4'-DDT		UG/KG	NA	3.4	UJzc/JB	NA	NA	0.57	J/JP	2.7	J/J		
ALDRIN		UG/KG	NA	0.46	J/JP	NA	NA	<2.2	/U	<1.7	/U		
ALPHA-BHC		UG/KG	NA	0.77	J/J	NA	NA	<2.2	/U	<1.7	/U		
ALPHA-CHLORDANE		UG/KG	NA	<2	/U	NA	NA	<2.2	/U	0.48	J/J		
BETA-BHC		UG/KG	NA	<2	UJc/U	NA	NA	<2.2	/U	<1.7	/U		
DELTA-BHC		UG/KG	NA	<2	/U	NA	NA	<2.2	/U	<1.7	/U		
DIELDRIN		UG/KG	NA	<3.9	/U	NA	NA	<4.3	/U	0.05	J/JP		
ENDOSULFAN I		UG/KG	NA	<2	/U	NA	NA	<2.2	/U	<1.7	/U		
ENDOSULFAN II		UG/KG	NA	<3.9	/U	NA	NA	<4.3	/U	<3.5	/U		
ENDOSULFAN SULFATE		UG/KG	NA	<3.9	/U	NA	NA	<4.3	/U	<3.5	/U		
ENDRIN		UG/KG	NA	0.36	Jc/J	NA	NA	<4.3	/U	<3.5	/U		
ENDRIN ALDEHYDE		UG/KG	NA	<3.9	/U	NA	NA	<4.3	/U	<3.5	/U		
ENDRIN KETONE		UG/KG	NA	<3.9	/U	NA	NA	<4.3	/U	<3.5	/U		
GAMMA-BHC		UG/KG	NA	<2	/U	NA	NA	<2.2	/U	<1.7	/U		
GAMMA-CHLORDANE		UG/KG	NA	<2	/U	NA	NA	<2.2	/U	0.41	J/J		
HEPTACHLOR		UG/KG	NA	<2	/U	NA	NA	<2.2	/U	<1.7	/U		
HEPTACHLOR EPOXIDE		UG/KG	NA	<2	/U	NA	NA	<2.2	/U	<1.7	/U		
METHOXYCHLOR		UG/KG	NA	<19.6	UJc/U	NA	NA	<21.6	/U	2.1	J/JP		
PCB-1016		UG/KG	NA	<39.2	/U	NA	NA	<43.3	/U	<35	/U		
PCB-1221		UG/KG	NA	<39.2	/U	NA	NA	<43.3	/U	<35	/U		
PCB-1232		UG/KG	NA	<39.2	/U	NA	NA	<43.3	/U	<35	/U		
PCB-1242		UG/KG	NA	<39.2	/U	NA	NA	<43.3	/U	<35	/U		
PCB-1248		UG/KG	NA	<39.2	/U	NA	NA	9.2	J/J	<35	/U		
PCB-1254		UG/KG	NA	<39.2	/U	NA	NA	<43.3	/U	<35	/U		

Table C3.3
LEHR Environmental Restoration
Analytical Results For BI

Pesticides by CLP

	Background Level	UNITS	LEHR-SS-BG-0077 WA-2, 16'		LEHR-SS-BG-0078 WA-2, 20'		LEHR-SS-BG-0079 WA-2, 34'	LEHR-SS-BG-0080 WA-2, (FD), 31.5'		LEHR-SS-BG-0081 WA-2, 40'		LEHR-SS-BG-0082 WA-3, 0'	
PCB-1260		UG/KG	NA		<39.2	/U	NA	NA		<43.3	/U	<35	/U
TOXAPHENE		UG/KG	NA		<196	/U	NA	NA		<216	/U	<175	/U

Table C3.3
LEHR Environmental Restoration
Analytical Results For BI

Pesticides by CLP

	Background Level	UNITS	LEHR-SS-BG-0083 WA-3, 4 '		LEHR-SS-BG-0084 WA-3, 8'	LEHR-SS-BG-0085 WA-3, 12'		LEHR-SS-BG-0086 WA-3, 16'	LEHR-SS-BG-0087 WA-3, 20'		LEHR-SS-BG-0088 WA-3, (FD), 22'	
4,4'-DDD		UG/KG	1.8	J/JP	NA	1.2	J/J	NA	1.6	J/J	8.8	J/P
4,4'-DDE		UG/KG	<3.7	/U	NA	<3.9	/U	NA	<3.8	/U	<3.8	/U
4,4'-DDT		UG/KG	1.8	J/J	NA	1.1	J/J	NA	2.6	J/J	5.8	
ALDRIN		UG/KG	<1.9	/U	NA	<2	/U	NA	<1.9	/U	0.71	J/J
ALPHA-BHC		UG/KG	<1.9	/U	NA	<2	/U	NA	0.3	J/J	1.4	J/J
ALPHA-CHLORDANE		UG/KG	<1.9	/U	NA	<2	/U	NA	<1.9	/U	<1.9	/U
BETA-BHC		UG/KG	<1.9	/U	NA	<2	/U	NA	<1.9	/U	<1.9	/U
DELTA-BHC		UG/KG	<1.9	/U	NA	<2	/U	NA	<1.9	/U	0.51	J/J
DIELDRIN		UG/KG	<3.7	/U	NA	<3.9	/U	NA	<3.8	/U	<3.8	/U
ENDOSULFAN I		UG/KG	<1.9	/U	NA	<2	/U	NA	<1.9	/U	<1.9	/U
ENDOSULFAN II		UG/KG	<3.7	/U	NA	<3.9	/U	NA	<3.8	/U	<3.8	/U
ENDOSULFAN SULFATE		UG/KG	<3.7	/U	NA	<3.9	/U	NA	<3.8	/U	<3.8	/U
ENDRIN		UG/KG	<3.7	/U	NA	<3.9	/U	NA	<3.8	/U	<3.8	/U
ENDRIN ALDEHYDE		UG/KG	<3.7	/U	NA	<3.9	/U	NA	<3.8	/U	<3.8	/U
ENDRIN KETONE		UG/KG	<3.7	/U	NA	<3.9	/U	NA	<3.8	/U	<3.8	/U
GAMMA-BHC		UG/KG	0.56	J/J	NA	<2	/U	NA	<1.9	/U	0.51	J/J
GAMMA-CHLORDANE		UG/KG	<1.9	/U	NA	<2	/U	NA	<1.9	/U	<1.9	/U
HEPTACHLOR		UG/KG	<1.9	/U	NA	<2	/U	NA	<1.9	/U	<1.9	/U
HEPTACHLOR EPOXIDE		UG/KG	<1.9	/U	NA	<2	/U	NA	<1.9	/U	<1.9	/U
METHOXYCHLOR		UG/KG	<18.7	/U	NA	<19.6	/U	NA	<19.1	/U	<18.8	/U
PCB-1016		UG/KG	<37.3	/U	NA	<39.2	/U	NA	<38.2	/U	<37.6	/U
PCB-1221		UG/KG	<37.3	/U	NA	<39.2	/U	NA	<38.2	/U	<37.6	/U
PCB-1232		UG/KG	<37.3	/U	NA	<39.2	/U	NA	<38.2	/U	<37.6	/U
PCB-1242		UG/KG	<37.3	/U	NA	<39.2	/U	NA	<38.2	/U	<37.6	/U
PCB-1248		UG/KG	<37.3	/U	NA	<39.2	/U	NA	<38.2	/U	<37.6	/U
PCB-1254		UG/KG	<37.3	/U	NA	<39.2	/U	NA	<38.2	/U	<37.6	/U

Table C3.3
LEHR Environmental Restoration
Analytical Results For BI

Pesticides by CLP

	Background Level	UNITS	LEHR-SS-BG-0083 WA-3, 4 '		LEHR-SS-BG-0084 WA-3, 8'	LEHR-SS-BG-0085 WA-3, 12'		LEHR-SS-BG-0086 WA-3, 16'	LEHR-SS-BG-0087 WA-3, 20'		LEHR-SS-BG-0088 WA-3, (FD), 22'	
PCB-1260		UG/KG	<37.3	/U	NA	<39.2	/U	NA	<38.2	/U	<37.6	/U
TOXAPHENE		UG/KG	<187	/U	NA	<196	/U	NA	<191	/U	<188	/U

Table C3.3
LEHR Environmental Restoration
Analytical Results For BI

Pesticides by CLP

	Background Level	UNITS	LEHR-SS-BG-0089 WA-3, 30'		LEHR-SS-BG-0090 WA-3, 40'		LEHR-SS-BG-0091 WA-4, 0'		LEHR-SS-BG-0092 WA-4, 4'		LEHR-SS-BG-0093 WA-4, 8'		LEHR-SS-BG-0094 WA-4, 12'	
4,4'-DDD		UG/KG	NA		1.6	J/J	1.7	J/JP	4.3		NA		1	J/J
4,4'-DDE		UG/KG	NA		<4	/U	2.8	J/J	<3.5	/U	NA		<3.9	/U
4,4'-DDT		UG/KG	NA		1.8	J/J	3.9		10		NA		0.96	J/J
ALDRIN		UG/KG	NA		<2	/U	<1.7	/U	<1.8	/U	NA		<1.9	/U
ALPHA-BHC		UG/KG	NA		<2	/U	0.27	J/J	<1.8	/U	NA		<1.9	/U
ALPHA-CHLORDANE		UG/KG	NA		<2	/U	<1.7	/U	2.4		NA		<1.9	/U
BETA-BHC		UG/KG	NA		<2	/U	<1.7	/U	<1.8	/U	NA		<1.9	/U
DELTA-BHC		UG/KG	NA		<2	/U	<1.7	/U	2.4		NA		<1.9	/U
DIELDRIN		UG/KG	NA		<4	/U	0.51	J/JP	<3.5	/U	NA		<3.9	/U
ENDOSULFAN I		UG/KG	NA		<2	/U	<1.7	/U	<1.8	/U	NA		<1.9	/U
ENDOSULFAN II		UG/KG	NA		<4	/U	<3.5	/U	<3.5	/U	NA		<3.9	/U
ENDOSULFAN SULFATE		UG/KG	NA		<4	/U	<3.5	/U	<3.5	/U	NA		<3.9	/U
ENDRIN		UG/KG	NA		<4	/U	<3.5	/U	<3.5	/U	NA		<3.9	/U
ENDRIN ALDEHYDE		UG/KG	NA		<4	/U	<3.5	/U	<3.5	/U	NA		<3.9	/U
ENDRIN KETONE		UG/KG	NA		<4	/U	<3.5	/U	<3.5	/U	NA		<3.9	/U
GAMMA-BHC		UG/KG	NA		<2	/U	<1.7	/U	0.51	J/J	NA		<1.9	/U
GAMMA-CHLORDANE		UG/KG	NA		<2	/U	<1.7	/U	2.3		NA		<1.9	/U
HEPTACHLOR		UG/KG	NA		<2	/U	<1.7	/U	<1.8	/U	NA		<1.9	/U
HEPTACHLOR EPOXIDE		UG/KG	NA		<2	/U	<1.7	/U	<1.8	/U	NA		<1.9	/U
METHOXYCHLOR		UG/KG	NA		<20.2	/U	<17.3	/U	<17.5	/U	NA		<19.5	/U
PCB-1016		UG/KG	NA		<40.5	/U	<34.6	/U	<35.1	/U	NA		<39	/U
PCB-1221		UG/KG	NA		<40.5	/U	<34.6	/U	<35.1	/U	NA		<39	/U
PCB-1232		UG/KG	NA		<40.5	/U	<34.6	/U	<35.1	/U	NA		<39	/U
PCB-1242		UG/KG	NA		<40.5	/U	<34.6	/U	<35.1	/U	NA		<39	/U
PCB-1248		UG/KG	NA		<40.5	/U	<34.6	/U	<35.1	/U	NA		<39	/U
PCB-1254		UG/KG	NA		<40.5	/U	<34.6	/U	<35.1	/U	NA		<39	/U

Table C3.3
LEHR Environmental Restoration
Analytical Results For BI

Pesticides by CLP

	Background Level	UNITS	LEHR-SS-BG-0089 WA-3, 30'		LEHR-SS-BG-0090 WA-3, 40'		LEHR-SS-BG-0091 WA-4, 0'		LEHR-SS-BG-0092 WA-4, 4'		LEHR-SS-BG-0093 WA-4, 8'	LEHR-SS-BG-0094 WA-4, 12'	
PCB-1260		UG/KG	NA		<40.5	/U	<34.6	/U	<35.1	/U	NA	<39	/U
TOXAPHENE		UG/KG	NA		<202	/U	<173	/U	<175	/U	NA	<195	/U

Table C3.3
LEHR Environmental Restoration
Analytical Results For BI

Pesticides by CLP

	Background Level	UNITS	LEHR-SS-BG-0095 WA-4, (FD), 13'		LEHR-SS-BG-0096 WA-4, 16'	LEHR-SS-BG-0097 WA-4, 20'		LEHR-SS-BG-0098 WA-4, 30'	LEHR-SS-BG-0099 WA-4, 40'		LEHR-SS-BG-0100 WA-5, 0'	
4,4'-DDD		UG/KG	<4	/U	NA	<3.7	/U	NA	3.2	J/JP	0.38	J/JP
4,4'-DDE		UG/KG	<4	/U	NA	<3.7	/U	NA	<3.9	/U	0.97	J/J
4,4'-DDT		UG/KG	<4	/U	NA	<3.7	/U	NA	2.9	J/J	1.7	Jc/JP
ALDRIN		UG/KG	<2	/U	NA	<1.8	/U	NA	<2	/U	<1.8	/U
ALPHA-BHC		UG/KG	<2	/U	NA	<1.8	/U	NA	<2	/U	<1.8	/U
ALPHA-CHLORDANE		UG/KG	<2	/U	NA	<1.8	/U	NA	4.3		<1.8	/U
BETA-BHC		UG/KG	<2	/U	NA	<1.8	/U	NA	<2	/U	<1.8	/U
DELTA-BHC		UG/KG	<2	/U	NA	<1.8	/U	NA	<2	/U	<1.8	/U
DIELDRIN		UG/KG	<4	/U	NA	<3.7	/U	NA	<3.9	/U	<3.6	/U
ENDOSULFAN I		UG/KG	<2	/U	NA	<1.8	/U	NA	<2	/U	<1.8	/U
ENDOSULFAN II		UG/KG	<4	/U	NA	<3.7	/U	NA	<3.9	/U	<3.6	/U
ENDOSULFAN SULFATE		UG/KG	<4	/U	NA	<3.7	/U	NA	<3.9	/U	<3.6	/U
ENDRIN		UG/KG	<4	/U	NA	<3.7	/U	NA	<3.9	/U	1.2	Jc/J
ENDRIN ALDEHYDE		UG/KG	<4	/U	NA	<3.7	/U	NA	<3.9	/U	<3.6	/U
ENDRIN KETONE		UG/KG	<4	/U	NA	<3.7	/U	NA	<3.9	/U	<3.6	/U
GAMMA-BHC		UG/KG	<2	/U	NA	<1.8	/U	NA	<2	/U	<1.8	/U
GAMMA-CHLORDANE		UG/KG	<2	/U	NA	<1.8	/U	NA	3.7		<1.8	/U
HEPTACHLOR		UG/KG	<2	/U	NA	<1.8	/U	NA	<2	/U	<1.8	/U
HEPTACHLOR EPOXIDE		UG/KG	<2	/U	NA	<1.8	/U	NA	<2	/U	<1.8	/U
METHOXYCHLOR		UG/KG	<20.2	/U	NA	<18.5	/U	NA	<19.6	/U	<17.8	/U
PCB-1016		UG/KG	<40.4	/U	NA	<37.1	/U	NA	<39.2	/U	<35.6	/U
PCB-1221		UG/KG	<40.4	/U	NA	<37.1	/U	NA	<39.2	/U	<35.6	/U
PCB-1232		UG/KG	<40.4	/U	NA	<37.1	/U	NA	<39.2	/U	<35.6	/U
PCB-1242		UG/KG	<40.4	/U	NA	<37.1	/U	NA	<39.2	/U	<35.6	/U
PCB-1248		UG/KG	10.1	J/J	NA	<37.1	/U	NA	<39.2	/U	<35.6	/U
PCB-1254		UG/KG	<40.4	/U	NA	<37.1	/U	NA	<39.2	/U	<35.6	/U

Table C3.3
LEHR Environmental Restoration
Analytical Results For BI

Pesticides by CLP

	Background Level	UNITS	LEHR-SS-BG-0095 WA-4, (FD), 13'		LEHR-SS-BG-0096 WA-4, 16'	LEHR-SS-BG-0097 WA-4, 20'		LEHR-SS-BG-0098 WA-4, 30'	LEHR-SS-BG-0099 WA-4, 40'		LEHR-SS-BG-0100 WA-5, 0'	
PCB-1260		UG/KG	<40.4	/U	NA	<37.1	/U	NA	<39.2	/U	<35.6	/U
TOXAPHENE		UG/KG	<202	/U	NA	<185	/U	NA	<196	/U	<178	/U

Table C3.3
LEHR Environmental Restoration
Analytical Results For BI

Pesticides by CLP

	Background Level	UNITS	LEHR-SS-BG-0101 WA-5, 4 '		LEHR-SS-BG-0102 WA-5, 8'	LEHR-SS-BG-0103 WA-5, 12'		LEHR-SS-BG-0104 WA-5, 16'	LEHR-SS-BG-0105 WA-5, 20'		LEHR-SS-BG-0106 WA-5, (FD), 21.5'	
4,4'-DDD		UG/KG	0.62	J/J	NA	3.1	J/JP	NA	0.34	J/JP	<3.9	/U
4,4'-DDE		UG/KG	<4	/U	NA	<3.9	/U	NA	<3.8	/U	<3.9	/U
4,4'-DDT		UG/KG	1.7	Jc/J	NA	3.3	Jc/J	NA	0.53	Jc/J	<3.9	/U
ALDRIN		UG/KG	<2	/U	NA	0.24	J/JP	NA	<1.9	/U	<1.9	/U
ALPHA-BHC		UG/KG	<2	/U	NA	0.75	J/J	NA	<1.9	/U	0.15	J/J
ALPHA-CHLORDANE		UG/KG	<2	/U	NA	<1.9	/U	NA	<1.9	/U	<1.9	/U
BETA-BHC		UG/KG	<2	/U	NA	<1.9	/U	NA	<1.9	/U	<1.9	/U
DELTA-BHC		UG/KG	<2	/U	NA	<1.9	/U	NA	<1.9	/U	0.28	J/JP
DIELDRIN		UG/KG	<4	/U	NA	<3.9	/U	NA	<3.8	/U	<3.9	/U
ENDOSULFAN I		UG/KG	<2	/U	NA	<1.9	/U	NA	<1.9	/U	<1.9	/U
ENDOSULFAN II		UG/KG	<4	/U	NA	<3.9	/U	NA	<3.8	/U	<3.9	/U
ENDOSULFAN SULFATE		UG/KG	<4	/U	NA	<3.9	/U	NA	<3.8	/U	<3.9	/U
ENDRIN		UG/KG	<4	/U	NA	0.3	Jc/J	NA	<3.8	/U	<3.9	/U
ENDRIN ALDEHYDE		UG/KG	<4	/U	NA	<3.9	/U	NA	<3.8	/U	<3.9	/U
ENDRIN KETONE		UG/KG	<4	/U	NA	<3.9	/U	NA	<3.8	/U	<3.9	/U
GAMMA-BHC		UG/KG	<2	/U	NA	0.31	J/JP	NA	<1.9	/U	0.28	J/J
GAMMA-CHLORDANE		UG/KG	<2	/U	NA	<1.9	/U	NA	<1.9	/U	<1.9	/U
HEPTACHLOR		UG/KG	<2	/U	NA	<1.9	/U	NA	<1.9	/U	<1.9	/U
HEPTACHLOR EPOXIDE		UG/KG	<2	/U	NA	<1.9	/U	NA	<1.9	/U	<1.9	/U
METHOXYCHLOR		UG/KG	<20	/U	NA	<19.3	/U	NA	<19.2	/U	<19.3	/U
PCB-1016		UG/KG	<40	/U	NA	<38.6	/U	NA	<38.4	/U	<38.7	/U
PCB-1221		UG/KG	<40	/U	NA	<38.6	/U	NA	<38.4	/U	<38.7	/U
PCB-1232		UG/KG	<40	/U	NA	<38.6	/U	NA	<38.4	/U	<38.7	/U
PCB-1242		UG/KG	<40	/U	NA	<38.6	/U	NA	<38.4	/U	<38.7	/U
PCB-1248		UG/KG	<40	/U	NA	<38.6	/U	NA	<38.4	/U	<38.7	/U
PCB-1254		UG/KG	<40	/U	NA	<38.6	/U	NA	<38.4	/U	<38.7	/U

Table C3.3
LEHR Environmental Restoration
Analytical Results For BI

Pesticides by CLP

	Background Level	UNITS	LEHR-SS-BG-0101 WA-5, 4 '		LEHR-SS-BG-0102 WA-5, 8'	LEHR-SS-BG-0103 WA-5, 12'		LEHR-SS-BG-0104 WA-5, 16'	LEHR-SS-BG-0105 WA-5, 20'		LEHR-SS-BG-0106 WA-5, (FD), 21.5'	
PCB-1260		UG/KG	<40	/U	NA	<38.6	/U	NA	<38.4	/U	<38.7	/U
TOXAPHENE		UG/KG	<200	/U	NA	<193	/U	NA	<192	/U	<193	/U

Table C3.3
LEHR Environmental Restoration
Analytical Results For BI

Pesticides by CLP

	Background Level	UNITS	LEHR-SS-BG-0107 WA-5, 30'		LEHR-SS-BG-0108 WA-5, 40'		LEHR-SS-BG-0109 WA-6, 0'		LEHR-SS-BG-0110 WA-6, 4'		LEHR-SS-BG-0111 WA-6, 8'		LEHR-SS-BG-0112 WA-6, 12'	
4,4'-DDD		UG/KG	NA		0.61	J/J	0.91	J/J	<3.6	/U	NA		0.48	J/JP
4,4'-DDE		UG/KG	NA		<4	/U	0.98	J/J	<3.6	/U	NA		<4.2	/U
4,4'-DDT		UG/KG	NA		0.17	Jc/JP	2.2	Jc/J	0.33	Jc/JP	NA		0.56	Jc/J
ALDRIN		UG/KG	NA		<2	/U	<1.7	/U	<1.8	/U	NA		<2.1	/U
ALPHA-BHC		UG/KG	NA		<2	/U	0.27	J/J	<1.8	/U	NA		<2.1	/U
ALPHA-CHLORDANE		UG/KG	NA		<2	/U	0.68	J/J	<1.8	/U	NA		<2.1	/U
BETA-BHC		UG/KG	NA		<2	/U	<1.7	/U	<1.8	/U	NA		<2.1	/U
DELTA-BHC		UG/KG	NA		<2	/U	<1.7	/U	<1.8	/U	NA		<2.1	/U
DIELDRIN		UG/KG	NA		<4	/U	0.26	J/JP	<3.6	/U	NA		<4.2	/U
ENDOSULFAN I		UG/KG	NA		<2	/U	<1.7	/U	<1.8	/U	NA		<2.1	/U
ENDOSULFAN II		UG/KG	NA		<4	/U	<3.5	/U	<3.6	/U	NA		<4.2	/U
ENDOSULFAN SULFATE		UG/KG	NA		<4	/U	<3.5	/U	<3.6	/U	NA		<4.2	/U
ENDRIN		UG/KG	NA		<4	/U	<3.5	/U	<3.6	/U	NA		<4.2	/U
ENDRIN ALDEHYDE		UG/KG	NA		<4	/U	<3.5	/U	<3.6	/U	NA		<4.2	/U
ENDRIN KETONE		UG/KG	NA		<4	/U	<3.5	/U	<3.6	/U	NA		<4.2	/U
GAMMA-BHC		UG/KG	NA		<2	/U	0.28	J/JP	<1.8	/U	NA		<2.1	/U
GAMMA-CHLORDANE		UG/KG	NA		<2	/U	0.73	J/JP	<1.8	/U	NA		<2.1	/U
HEPTACHLOR		UG/KG	NA		<2	/U	<1.7	/U	<1.8	/U	NA		<2.1	/U
HEPTACHLOR EPOXIDE		UG/KG	NA		<2	/U	0.43	J/J	<1.8	/U	NA		<2.1	/U
METHOXYCHLOR		UG/KG	NA		<20.1	/U	<17.3	/U	<17.8	/U	NA		<20.8	/U
PCB-1016		UG/KG	NA		<40.2	/U	<34.6	/U	<35.6	/U	NA		<41.5	/U
PCB-1221		UG/KG	NA		<40.2	/U	<34.6	/U	<35.6	/U	NA		<41.5	/U
PCB-1232		UG/KG	NA		<40.2	/U	<34.6	/U	<35.6	/U	NA		<41.5	/U
PCB-1242		UG/KG	NA		<40.2	/U	<34.6	/U	<35.6	/U	NA		<41.5	/U
PCB-1248		UG/KG	NA		<40.2	/U	<34.6	/U	<35.6	/U	NA		<41.5	/U
PCB-1254		UG/KG	NA		<40.2	/U	<34.6	/U	<35.6	/U	NA		<41.5	/U

Table C3.3
LEHR Environmental Restoration
Analytical Results For BI

Pesticides by CLP

	Background Level	UNITS	LEHR-SS-BG-0107 WA-5, 30 '		LEHR-SS-BG-0108 WA-5, 40'		LEHR-SS-BG-0109 WA-6, 0'		LEHR-SS-BG-0110 WA-6, 4'		LEHR-SS-BG-0111 WA-6, 8'	LEHR-SS-BG-0112 WA-6, 12'	
PCB-1260		UG/KG	NA		<40.2	/U	<34.6	/U	<35.6	/U	NA	<41.5	/U
TOXAPHENE		UG/KG	NA		<201	/U	<173	/U	<178	/U	NA	<208	/U

Table C3.3
LEHR Environmental Restoration
Analytical Results For BI

Pesticides by CLP

Location Date	Background Level	UNITS	LEHR-SS-BG-0113 WA-6, 16'		LEHR-SS-BG-0114 WA-6, 20'		LEHR-SS-BG-0115 WA-6, 30'		LEHR-SS-BG-0116 WA-6, 40'	
4,4'-DDD		UG/KG	NA		0.5	J/JP	NA		0.22	J/JP
4,4'-DDE		UG/KG	NA		<3.8	/U	NA		<3.9	/U
4,4'-DDT		UG/KG	NA		0.87	Jc/J	NA		0.34	Jc/JP
ALDRIN		UG/KG	NA		<1.9	/U	NA		<1.9	/U
ALPHA-BHC		UG/KG	NA		<1.9	/U	NA		<1.9	/U
ALPHA-CHLORDANE		UG/KG	NA		<1.9	/U	NA		<1.9	/U
BETA-BHC		UG/KG	NA		<1.9	/U	NA		<1.9	/U
DELTA-BHC		UG/KG	NA		<1.9	/U	NA		<1.9	/U
DIELDRIN		UG/KG	NA		<3.8	/U	NA		<3.9	/U
ENDOSULFAN I		UG/KG	NA		<1.9	/U	NA		<1.9	/U
ENDOSULFAN II		UG/KG	NA		<3.8	/U	NA		<3.9	/U
ENDOSULFAN SULFATE		UG/KG	NA		<3.8	/U	NA		<3.9	/U
ENDRIN		UG/KG	NA		<3.8	/U	NA		<3.9	/U
ENDRIN ALDEHYDE		UG/KG	NA		<3.8	/U	NA		<3.9	/U
ENDRIN KETONE		UG/KG	NA		<3.8	/U	NA		<3.9	/U
GAMMA-BHC		UG/KG	NA		<1.9	/U	NA		<1.9	/U
GAMMA-CHLORDANE		UG/KG	NA		<1.9	/U	NA		<1.9	/U
HEPTACHLOR		UG/KG	NA		<1.9	/U	NA		<1.9	/U
HEPTACHLOR EPOXIDE		UG/KG	NA		<1.9	/U	NA		<1.9	/U
METHOXYCHLOR		UG/KG	NA		<19.2	/U	NA		<19.4	/U
PCB-1016		UG/KG	NA		<38.3	/U	NA		<38.9	/U
PCB-1221		UG/KG	NA		<38.3	/U	NA		<38.9	/U
PCB-1232		UG/KG	NA		<38.3	/U	NA		<38.9	/U
PCB-1242		UG/KG	NA		<38.3	/U	NA		<38.9	/U
PCB-1248		UG/KG	NA		<38.3	/U	NA		<38.9	/U
PCB-1254		UG/KG	NA		<38.3	/U	NA		<38.9	/U
PCB-1260		UG/KG	NA		<38.3	/U	NA		<38.9	/U

Table C3.3
LEHR Environmental Restoration
Analytical Results For BI

Pesticides by CLP

Location Date	Background Level	UNITS	LEHR-SS-BG-0113 WA-6, 16 '		LEHR-SS-BG-0114 WA-6, 20'		LEHR-SS-BG-0115 WA-6, 30'		LEHR-SS-BG-0116 WA-6, 40'	
TOXAPHENE		UG/KG	NA		<192	/U	NA		<194	/U

Table C3.3
LEHR Environmental Restoration
Analytical Results For BI

Pesticides by CLP

Location Date	Background Level	UNITS	LEHR-WS-BG-0001 Rinsate, '		LEHR-WS-BK-0002 Rinsate, '	
4,4'-DDD		UG/L	<0.11	/U	0.012	/J
4,4'-DDE		UG/L	<0.11	/U	<0.01	/U
4,4'-DDT		UG/L	<0.11	/U	0.0082	/JP
ALDRIN		UG/L	<0.054	/U	<0.05	/U
ALPHA-BHC		UG/L	<0.054	/U	<0.05	/U
ALPHA-CHLORDANE		UG/L	<0.054	/U	<0.05	/U
BETA-BHC		UG/L	<0.054	/U	<0.05	/U
DELTA-BHC		UG/L	<0.054	/U	<0.05	/U
DIELDRIN		UG/L	<0.11	/U	<0.01	/U
ENDOSULFAN I		UG/L	<0.054	/U	<0.05	/U
ENDOSULFAN II		UG/L	<0.11	/U	<0.01	/U
ENDOSULFAN SULFATE		UG/L	<0.11	/U	<0.01	/U
ENDRIN		UG/L	<0.11	/U	<0.01	/U
ENDRIN ALDEHYDE		UG/L	<0.11	/U	<0.01	/U
ENDRIN KETONE		UG/L	<0.11	/U	<0.01	/U
GAMMA-BHC		UG/L	<0.054	/U	<0.05	/U
GAMMA-CHLORDANE		UG/L	<0.054	/U	<0.05	/U
HEPTACHLOR		UG/L	<0.054	/U	<0.05	/U
HEPTACHLOR EPOXIDE		UG/L	<0.054	/U	<0.05	/U
METHOXYCHLOR		UG/L	<0.54	/U	<0.5	/U
PCB-1016		UG/L	<1.1	/U	<0.01	/U
PCB-1221		UG/L	<1.1	/U	<0.01	/U
PCB-1232		UG/L	<1.1	/U	<0.01	/U
PCB-1242		UG/L	<1.1	/U	<0.01	/U
PCB-1248		UG/L	<1.1	/U	<0.01	/U
PCB-1254		UG/L	<1.1	/U	<0.01	/U

Table C3.3
LEHR Environmental Restoration
Analytical Results For BI

Pesticides by CLP

Location Date	Background Level	UNITS	LEHR-WS-BG-0001 Rinsate, '		LEHR-WS-BK-0002 Rinsate, '	
PCB-1260		UG/L	<1.1	/U	<0.01	/U
TOXAPHENE		UG/L	<5.4	/U	<5	/U

Table C3.3
LEHR Environmental Restoration
Analytical Results For BI

Table Specifiers:

The following descriptions provide a brief explanation of codes used in association with the sample ids.

WS= Ground water sample
FD= Field Duplicate
= Shading indicates that the measured concentration is above background

Data Validation Qualifier Definitions:

The following definitions provide brief explanations of the data validation qualifiers assigned to results in the data review process.

U = The analyte was analyzed for, but was not detected above the reported sample quantitation limit.
J = The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.
N = The analysis indicates the presence of an analyte for which there is presumptive evidence to make a "tentative identification".
NJ = The analysis indicates the presence of an analyte that has been "tentatively identified" and the associated numerical value represents its approximate concentration.
UJ = The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.
R = The sample results are rejected due to serious deficiencies in the ability to analyze the sample and meet quality control criteria. The presence or absence of the analyte cannot be verified.

Data Validation Reason Code Definitions:

The following descriptions provide brief explanation of the cause for qualification of the results determined in the data review process. These reason codes are used in combination with data qualifier, i.e. "Uz" indicated the analyte is non-detect due to method blank contamination.

c = Calibration failure; poor or unstable response.
d = Matrix duplicate imprecision or matrix spike/matrix spike duplicate imprecision.
f = Field replicate or duplicate imprecision.
h = Holding time violation.
i = Internal standard failure.
l = Laboratory control sample (LCS) recovery failure.
m = Matrix spike/matrix spike duplicate (MS/MSD) recovery failure.
s = Surrogate spike recovery failure.
z = Method blank contamination.
/ = Validation Qualifier / Lab Qualifier.
B = Analyte was detected in the associated method blank.
E = Concentration exceeds calibration range.
P = Concentrations between the two GC columns are greater than 25% difference.
N= Spiked sample recovery not within control limits.
* = Duplicate analysis not within control limit.

Table C3.4
LEHR Environmental Restoration
Analytical Results For BI

Semivolatile Organics by CLP

	Background Level	UNITS	LEHR-SS-BG-0065 WA-1, 0'		LEHR-SS-BG-0066 WA-1, 4'		LEHR-SS-BG-0067 WA-1, 8'	LEHR-SS-BG-0068 WA-1, 12'		LEHR-SS-BG-0069 WA-1, 16'	LEHR-SS-BG-0070 WA-1, 20'	
1,2,4-TRICHLOROBENZENE		UG/KG	<404	/U	<412	/U	NA	<394	/U	NA	<382	/U
1,2-DICHLOROBENZENE		UG/KG	<404	/U	<412	/U	NA	<394	/U	NA	<382	/U
1,3-DICHLOROBENZENE		UG/KG	<404	/U	<412	/U	NA	<394	/U	NA	<382	/U
1,4-DICHLOROBENZENE		UG/KG	<404	/U	<412	/U	NA	<394	/U	NA	<382	/U
2,4,5-TRICHLOROPHENOL		UG/KG	<1,010	/U	<1,030	/U	NA	<985	/U	NA	<955	/U
2,4,6-TRICHLOROPHENOL		UG/KG	<404	/U	<412	/U	NA	<394	/U	NA	<382	/U
2,4-DICHLOROPHENOL		UG/KG	<404	/U	<412	/U	NA	<394	/U	NA	<382	/U
2,4-DIMETHYLPHENOL		UG/KG	<404	/U	<412	/U	NA	<394	/U	NA	<382	/U
2,4-DINITROPHENOL		UG/KG	<1,010	/U	<1,030	/U	NA	<985	/U	NA	<955	/U
2,4-DINITROTOLUENE		UG/KG	<404	/U	<412	/U	NA	<394	/U	NA	<382	/U
2,6-DINITROTOLUENE		UG/KG	<404	/U	<412	/U	NA	<394	/U	NA	<382	/U
2-CHLORONAPHTHALENE		UG/KG	<404	/U	<412	/U	NA	<394	/U	NA	<382	/U
2-CHLOROPHENOL		UG/KG	<404	/U	<412	/U	NA	<394	/U	NA	<382	/U
2-METHYL-4,6-DINITROPHENOL		UG/KG	<1,010	/U	<1,030	/U	NA	<985	/U	NA	<955	/U
2-METHYLNAPHTHALENE		UG/KG	<404	/U	<412	/U	NA	<394	/U	NA	<382	/U
2-NITROPHENOL		UG/KG	<404	/U	<412	/U	NA	<394	/U	NA	<382	/U
3,3'-DICHLOROBENZIDINE		UG/KG	<404	/U	<412	/U	NA	<394	/U	NA	<382	/U
4-BROMOPHENYL PHENYL ETHE		UG/KG	<404	/U	<412	/U	NA	<394	/U	NA	<382	/U
4-CHLORO-3-METHYL PHENOL		UG/KG	<404	/U	<412	/U	NA	<394	/U	NA	<382	/U
4-CHLOROANILINE		UG/KG	<404	/U	<412	/U	NA	<394	/U	NA	<382	/U
4-CHLOROPHENYL PHENYL ETH		UG/KG	<404	/U	<412	/U	NA	<394	/U	NA	<382	/U
4-NITROPHENOL		UG/KG	<1,010	/U	<1,030	/U	NA	<985	/U	NA	<955	/U
ACENAPHTHENE		UG/KG	<404	/U	<412	/U	NA	<394	/U	NA	<382	/U
ACENAPHTHYLENE		UG/KG	<404	/U	<412	/U	NA	<394	/U	NA	<382	/U
ANTHRACENE		UG/KG	<404	/U	<412	/U	NA	<394	/U	NA	<382	/U
BENZO(A)ANTHRACENE		UG/KG	<404	/U	<412	/U	NA	<394	/U	NA	<382	/U

Table C3.4
LEHR Environmental Restoration
Analytical Results For BI

Semivolatile Organics by CLP

	Background Level	UNITS	LEHR-SS-BG-0065 WA-1, 0'		LEHR-SS-BG-0066 WA-1, 4'		LEHR-SS-BG-0067 WA-1, 8'	LEHR-SS-BG-0068 WA-1, 12'		LEHR-SS-BG-0069 WA-1, 16'	LEHR-SS-BG-0070 WA-1, 20'	
BENZO(A)PYRENE		UG/KG	<404	/U	<412	/U	NA	<394	/U	NA	<382	/U
BENZO(B)FLUORANTHENE		UG/KG	<404	/U	<412	/U	NA	<394	/U	NA	<382	/U
BENZO(GHI)PERYLENE		UG/KG	<404	/U	<412	/U	NA	<394	/U	NA	<382	/U
BENZO(K)FLUORANTHENE		UG/KG	<404	/U	<412	/U	NA	<394	/U	NA	<382	/U
BIS(2-CHLOROETHOXY)METHAN		UG/KG	<404	/U	<412	/U	NA	<394	/U	NA	<382	/U
BIS(2-CHLOROETHYL) ETHER		UG/KG	<404	/U	<412	/U	NA	<394	/U	NA	<382	/U
BIS(2-CHLOROISOPROPYL)ETHE		UG/KG	<404	/U	<412	/U	NA	<394	/U	NA	<382	/U
BIS(2-ETHYLHEXYL)PHTHALATE		UG/KG	<404	/U	<412	/U	NA	<394	/U	NA	<382	/U
BUTYL BENZYL PHTHALATE		UG/KG	<404	/U	<412	/U	NA	<394	/U	NA	<382	/U
CARBAZOLE		UG/KG	<404	UJc/U	<412	UJc/U	NA	<394	UJc/U	NA	<382	UJc/U
CHRYSENE		UG/KG	<404	/U	<412	/U	NA	<394	/U	NA	<382	/U
DI-N-BUTYL PHTHALATE		UG/KG	<404	/U	<412	/U	NA	<394	/U	NA	<382	/U
DI-N-OCTYL PHTHALATE		UG/KG	<404	/U	<412	/U	NA	<394	/U	NA	<382	/U
DIBENZO(A,H)ANTHRACENE		UG/KG	<404	/U	<412	/U	NA	<394	/U	NA	<382	/U
DIBENZOFURAN		UG/KG	<404	/U	<412	/U	NA	<394	/U	NA	<382	/U
DIETHYL PHTHALATE		UG/KG	<404	/U	<412	/U	NA	<394	/U	NA	<382	/U
DIMETHYL PHTHALATE		UG/KG	<404	/U	<412	/U	NA	<394	/U	NA	<382	/U
FLUORANTHENE		UG/KG	<404	/U	<412	/U	NA	<394	/U	NA	<382	/U
FLUORENE		UG/KG	<404	/U	<412	/U	NA	<394	/U	NA	<382	/U
HEXACHLOROBENZENE		UG/KG	<404	/U	<412	/U	NA	<394	/U	NA	<382	/U
HEXACHLOROBUTADIENE		UG/KG	<404	/U	<412	/U	NA	<394	/U	NA	<382	/U
HEXACHLOROCYCLOPENTADIE		UG/KG	<404	/U	<412	/U	NA	<394	/U	NA	<382	/U
HEXACHLOROETHANE		UG/KG	<404	/U	<412	/U	NA	<394	/U	NA	<382	/U
INDENO(1,2,3-C,D)PYRENE		UG/KG	<404	/U	<412	/U	NA	<394	/U	NA	<382	/U
ISOPHORONE		UG/KG	<404	/U	<412	/U	NA	<394	/U	NA	<382	/U
M-NITROANILINE		UG/KG	<1,010	UJc/U	<1,030	UJc/U	NA	<985	UJc/U	NA	<955	UJc/U

Table C3.4
LEHR Environmental Restoration
Analytical Results For BI

Semivolatile Organics by CLP

	Background Level	UNITS	LEHR-SS-BG-0065 WA-1, 0'		LEHR-SS-BG-0066 WA-1, 4'		LEHR-SS-BG-0067 WA-1, 8'	LEHR-SS-BG-0068 WA-1, 12'		LEHR-SS-BG-0069 WA-1, 16'	LEHR-SS-BG-0070 WA-1, 20'	
N-NITROSODIPHENYLAMINE		UG/KG	<404	/U	<412	/U	NA	<394	/U	NA	<382	/U
N-NITROSODIPROPYLAMINE		UG/KG	<404	/U	<412	/U	NA	<394	/U	NA	<382	/U
NAPHTHALENE		UG/KG	<404	/U	<412	/U	NA	<394	/U	NA	<382	/U
NITROBENZENE		UG/KG	<404	/U	<412	/U	NA	<394	/U	NA	<382	/U
O-CRESOL		UG/KG	<404	/U	<412	/U	NA	<394	/U	NA	<382	/U
O-NITROANILINE		UG/KG	<1,010	/U	<1,030	/U	NA	<985	/U	NA	<955	/U
P-CRESOL		UG/KG	<404	/U	<412	/U	NA	<394	/U	NA	<382	/U
P-NITROANILINE		UG/KG	<1,010	/U	<1,030	/U	NA	<985	/U	NA	<955	/U
PENTACHLOROPHENOL		UG/KG	<1,010	/U	<1,030	/U	NA	<985	/U	NA	<955	/U
PHENANTHRENE		UG/KG	<404	/U	<412	/U	NA	<394	/U	NA	<382	/U
PHENOL		UG/KG	<404	/U	<412	/U	NA	<394	/U	NA	<382	/U
PYRENE		UG/KG	<404	/U	<412	/U	NA	<394	/U	NA	<382	/U

Table C3.4
LEHR Environmental Restoration
Analytical Results For BI

Semivolatile Organics by CLP

	Background Level	UNITS	LEHR-SS-BG-0071 WA-1, 30.5'	LEHR-SS-BG-0072 WA-1, 36.5'	LEHR-SS-BG-0073 WA-2, 0'	LEHR-SS-BG-0074 WA-2, 4'	LEHR-SS-BG-0075 WA-2, 8'	LEHR-SS-BG-0076 WA-2, 12'
1,2,4-TRICHLOROBENZENE		UG/KG	NA	<398 /U	<346 /U	<366 /U	NA	<383 /U
1,2-DICHLOROBENZENE		UG/KG	NA	<398 /U	<346 /U	<366 /U	NA	<383 /U
1,3-DICHLOROBENZENE		UG/KG	NA	<398 /U	<346 /U	<366 /U	NA	<383 /U
1,4-DICHLOROBENZENE		UG/KG	NA	<398 /U	<346 /U	<366 /U	NA	<383 /U
2,4,5-TRICHLOROPHENOL		UG/KG	NA	<996 /U	<865 /U	<916 /U	NA	<958 /U
2,4,6-TRICHLOROPHENOL		UG/KG	NA	<398 /U	<346 /U	<366 /U	NA	<383 /U
2,4-DICHLOROPHENOL		UG/KG	NA	<398 /U	<346 /U	<366 /U	NA	<383 /U
2,4-DIMETHYLPHENOL		UG/KG	NA	<398 /U	<346 /U	<366 /U	NA	<383 /U
2,4-DINITROPHENOL		UG/KG	NA	<996 /U	<865 /U	<916 /U	NA	<958 /U
2,4-DINITROTOLUENE		UG/KG	NA	<398 /U	<346 /U	<366 /U	NA	<383 /U
2,6-DINITROTOLUENE		UG/KG	NA	<398 /U	<346 /U	<366 /U	NA	<383 /U
2-CHLORONAPHTHALENE		UG/KG	NA	<398 /U	<346 /U	<366 /U	NA	<383 /U
2-CHLOROPHENOL		UG/KG	NA	<398 /U	<346 /U	<366 /U	NA	<383 /U
2-METHYL-4,6-DINITROPHENOL		UG/KG	NA	<996 /U	<865 /U	<916 /U	NA	<958 /U
2-METHYLNAPHTHALENE		UG/KG	NA	<398 /U	<346 /U	<366 /U	NA	<383 /U
2-NITROPHENOL		UG/KG	NA	<398 /U	<346 /U	<366 /U	NA	<383 /U
3,3'-DICHLOROBENZIDINE		UG/KG	NA	<398 /U	<346 /U	<366 /U	NA	<383 /U
4-BROMOPHENYL PHENYL ETHE		UG/KG	NA	<398 /U	<346 /U	<366 /U	NA	<383 /U
4-CHLORO-3-METHYL PHENOL		UG/KG	NA	<398 /U	<346 /U	<366 /U	NA	<383 /U
4-CHLOROANILINE		UG/KG	NA	<398 /U	<346 /U	<366 /U	NA	<383 /U
4-CHLOROPHENYL PHENYL ETH		UG/KG	NA	<398 /U	<346 /U	<366 /U	NA	<383 /U
4-NITROPHENOL		UG/KG	NA	<996 /U	<865 /U	<916 /U	NA	<958 /U
ACENAPHTHENE		UG/KG	NA	<398 /U	<346 /U	<366 /U	NA	<383 /U
ACENAPHTHYLENE		UG/KG	NA	<398 /U	<346 /U	<366 /U	NA	<383 /U
ANTHRACENE		UG/KG	NA	<398 /U	<346 /U	<366 /U	NA	<383 /U
BENZO(A)ANTHRACENE		UG/KG	NA	<398 /U	<346 /U	<366 /U	NA	<383 /U

Table C3.4
LEHR Environmental Restoration
Analytical Results For BI

Semivolatile Organics by CLP

	Background Level	UNITS	LEHR-SS-BG-0071 WA-1, 30.5 '		LEHR-SS-BG-0072 WA-1, 36.5'		LEHR-SS-BG-0073 WA-2, 0'		LEHR-SS-BG-0074 WA-2, 4'		LEHR-SS-BG-0075 WA-2, 8'	LEHR-SS-BG-0076 WA-2, 12'	
BENZO(A)PYRENE		UG/KG	NA	<398	/U	<346	/U	<366	/U	NA	<383	/U
BENZO(B)FLUORANTHENE		UG/KG	NA	<398	/U	<346	/U	<366	/U	NA	<383	/U
BENZO(GHI)PERYLENE		UG/KG	NA	<398	/U	<346	/U	<366	/U	NA	<383	/U
BENZO(K)FLUORANTHENE		UG/KG	NA	<398	/U	<346	/U	<366	/U	NA	<383	/U
BIS(2-CHLOROETHOXY)METHAN		UG/KG	NA	<398	/U	<346	/U	<366	/U	NA	<383	/U
BIS(2-CHLOROETHYL) ETHER		UG/KG	NA	<398	/U	<346	/U	<366	/U	NA	<383	/U
BIS(2-CHLOROISOPROPYL)ETHE		UG/KG	NA	<398	/U	<346	/U	<366	/U	NA	<383	/U
BIS(2-ETHYLHEXYL)PHTHALATE		UG/KG	NA	332	J/J	<346	/U	<366	/U	NA	<383	/U
BUTYL BENZYL PHTHALATE		UG/KG	NA	<398	/U	<346	/U	<366	/U	NA	<383	/U
CARBAZOLE		UG/KG	NA	<398	UJc/U	<346	UJc/U	<366	UJc/U	NA	<383	UJc/U
CHRYSENE		UG/KG	NA	<398	/U	<346	/U	<366	/U	NA	<383	/U
DI-N-BUTYL PHTHALATE		UG/KG	NA	<398	/U	<346	/U	<366	/U	NA	<383	/U
DI-N-OCTYL PHTHALATE		UG/KG	NA	<398	/U	<346	/U	<366	/U	NA	<383	/U
DIBENZO(A,H)ANTHRACENE		UG/KG	NA	<398	/U	<346	/U	<366	/U	NA	<383	/U
DIBENZOFURAN		UG/KG	NA	<398	/U	<346	/U	<366	/U	NA	<383	/U
DIETHYL PHTHALATE		UG/KG	NA	<398	/U	<346	/U	<366	/U	NA	<383	/U
DIMETHYL PHTHALATE		UG/KG	NA	<398	/U	<346	/U	<366	/U	NA	<383	/U
FLUORANTHENE		UG/KG	NA	<398	/U	<346	/U	<366	/U	NA	<383	/U
FLUORENE		UG/KG	NA	<398	/U	<346	/U	<366	/U	NA	<383	/U
HEXACHLOROBENZENE		UG/KG	NA	<398	/U	<346	/U	<366	/U	NA	<383	/U
HEXACHLOROBUTADIENE		UG/KG	NA	<398	/U	<346	/U	<366	/U	NA	<383	/U
HEXACHLOROCYCLOPENTADIE		UG/KG	NA	<398	/U	<346	/U	<366	/U	NA	<383	/U
HEXACHLOROETHANE		UG/KG	NA	<398	/U	<346	/U	<366	/U	NA	<383	/U
INDENO(1,2,3-C,D)PYRENE		UG/KG	NA	<398	/U	<346	/U	<366	/U	NA	<383	/U
ISOPHORONE		UG/KG	NA	<398	/U	<346	/U	<366	/U	NA	<383	/U
M-NITROANILINE		UG/KG	NA	<996	UJc/U	<865	UJc/U	<916	UJc/U	NA	<958	UJc/U

Table C3.4
LEHR Environmental Restoration
Analytical Results For BI

Semivolatile Organics by CLP

	Background Level	UNITS	LEHR-SS-BG-0071 WA-1, 30.5'		LEHR-SS-BG-0072 WA-1, 36.5'		LEHR-SS-BG-0073 WA-2, 0'		LEHR-SS-BG-0074 WA-2, 4'		LEHR-SS-BG-0075 WA-2, 8'	LEHR-SS-BG-0076 WA-2, 12'	
N-NITROSODIPHENYLAMINE		UG/KG	NA		<398	/U	<346	/U	<366	/U	NA	<383	/U
N-NITROSODIPROPYLAMINE		UG/KG	NA		<398	/U	<346	/U	<366	/U	NA	<383	/U
NAPHTHALENE		UG/KG	NA		<398	/U	<346	/U	<366	/U	NA	<383	/U
NITROBENZENE		UG/KG	NA		<398	/U	<346	/U	<366	/U	NA	<383	/U
O-CRESOL		UG/KG	NA		<398	/U	<346	/U	<366	/U	NA	<383	/U
O-NITROANILINE		UG/KG	NA		<996	/U	<865	/U	<916	/U	NA	<958	/U
P-CRESOL		UG/KG	NA		<398	/U	<346	/U	<366	/U	NA	<383	/U
P-NITROANILINE		UG/KG	NA		<996	/U	<865	/U	<916	/U	NA	<958	/U
PENTACHLOROPHENOL		UG/KG	NA		<996	/U	<865	/U	<916	/U	NA	<958	/U
PHENANTHRENE		UG/KG	NA		<398	/U	<346	/U	<366	/U	NA	<383	/U
PHENOL		UG/KG	NA		<398	/U	<346	/U	<366	/U	NA	<383	/U
PYRENE		UG/KG	NA		<398	/U	<346	/U	<366	/U	NA	<383	/U

Table C3.4
LEHR Environmental Restoration
Analytical Results For BI

Semivolatile Organics by CLP

	Background Level	UNITS	LEHR-SS-BG-0077 WA-2, 16'	LEHR-SS-BG-0078 WA-2, 20'		LEHR-SS-BG-0079 WA-2, 34'	LEHR-SS-BG-0080 WA-2, (FD), 31.5'	LEHR-SS-BG-0081 WA-2, 40'		LEHR-SS-BG-0082 WA-3, 0'	
1,2,4-TRICHLOROBENZENE		UG/KG	NA	<394	/U	NA	NA	<433	/U	<350	/U
1,2-DICHLOROBENZENE		UG/KG	NA	<394	/U	NA	NA	<433	/U	<350	/U
1,3-DICHLOROBENZENE		UG/KG	NA	<394	/U	NA	NA	<433	/U	<350	/U
1,4-DICHLOROBENZENE		UG/KG	NA	<394	/U	NA	NA	<433	/U	<350	/U
2,4,5-TRICHLOROPHENOL		UG/KG	NA	<985	/U	NA	NA	<1,080	/U	<874	/U
2,4,6-TRICHLOROPHENOL		UG/KG	NA	<394	/U	NA	NA	<433	/U	<350	/U
2,4-DICHLOROPHENOL		UG/KG	NA	<394	/U	NA	NA	<433	/U	<350	/U
2,4-DIMETHYLPHENOL		UG/KG	NA	<394	/U	NA	NA	<433	/U	<350	/U
2,4-DINITROPHENOL		UG/KG	NA	<985	/U	NA	NA	<1,080	/U	<874	/U
2,4-DINITROTOLUENE		UG/KG	NA	<394	/U	NA	NA	<433	/U	<350	/U
2,6-DINITROTOLUENE		UG/KG	NA	<394	/U	NA	NA	<433	/U	<350	/U
2-CHLORONAPHTHALENE		UG/KG	NA	<394	/U	NA	NA	<433	/U	<350	/U
2-CHLOROPHENOL		UG/KG	NA	<394	/U	NA	NA	<433	/U	<350	/U
2-METHYL-4,6-DINITROPHENOL		UG/KG	NA	<985	/U	NA	NA	<1,080	/U	<874	/U
2-METHYLNAPHTHALENE		UG/KG	NA	<394	/U	NA	NA	<433	/U	<350	/U
2-NITROPHENOL		UG/KG	NA	<394	/U	NA	NA	<433	/U	<350	/U
3,3'-DICHLOROBENZIDINE		UG/KG	NA	<394	/U	NA	NA	<433	/U	<350	/U
4-BROMOPHENYL PHENYL ETHE		UG/KG	NA	<394	/U	NA	NA	<433	/U	<350	/U
4-CHLORO-3-METHYL PHENOL		UG/KG	NA	<394	/U	NA	NA	<433	/U	<350	/U
4-CHLOROANILINE		UG/KG	NA	<394	/U	NA	NA	<433	/U	<350	/U
4-CHLOROPHENYL PHENYL ETH		UG/KG	NA	<394	/U	NA	NA	<433	/U	<350	/U
4-NITROPHENOL		UG/KG	NA	<985	/U	NA	NA	<1,080	/U	<874	/U
ACENAPHTHENE		UG/KG	NA	<394	/U	NA	NA	<433	/U	<350	/U
ACENAPHTHYLENE		UG/KG	NA	<394	/U	NA	NA	<433	/U	<350	/U
ANTHRACENE		UG/KG	NA	<394	/U	NA	NA	<433	/U	<350	/U
BENZO(A)ANTHRACENE		UG/KG	NA	<394	/U	NA	NA	<433	/U	<350	/U

Table C3.4
LEHR Environmental Restoration
Analytical Results For BI

Semivolatile Organics by CLP

	Background Level	UNITS	LEHR-SS-BG-0077 WA-2, 16'		LEHR-SS-BG-0078 WA-2, 20'		LEHR-SS-BG-0079 WA-2, 34'	LEHR-SS-BG-0080 WA-2, (FD), 31.5'		LEHR-SS-BG-0081 WA-2, 40'		LEHR-SS-BG-0082 WA-3, 0'	
BENZO(A)PYRENE		UG/KG	NA	<394	/U	NA	NA	<433	/U	<350	/U
BENZO(B)FLUORANTHENE		UG/KG	NA	<394	/U	NA	NA	<433	/U	<350	/U
BENZO(GHI)PERYLENE		UG/KG	NA	<394	/U	NA	NA	<433	/U	<350	/U
BENZO(K)FLUORANTHENE		UG/KG	NA	<394	/U	NA	NA	<433	/U	<350	/U
BIS(2-CHLOROETHOXY)METHAN		UG/KG	NA	<394	/U	NA	NA	<433	/U	<350	/U
BIS(2-CHLOROETHYL) ETHER		UG/KG	NA	<394	/U	NA	NA	<433	/U	<350	/U
BIS(2-CHLOROISOPROPYL)ETHE		UG/KG	NA	<394	/U	NA	NA	<433	/U	<350	/U
BIS(2-ETHYLHEXYL)PHTHALATE		UG/KG	NA	<394	/U	NA	NA	<433	/U	<350	/U
BUTYL BENZYL PHTHALATE		UG/KG	NA	<394	/U	NA	NA	<433	/U	<350	/U
CARBAZOLE		UG/KG	NA	<394	UJc/U	NA	NA	<433	/U	<350	UJc/U
CHRYSENE		UG/KG	NA	<394	/U	NA	NA	<433	/U	<350	/U
DI-N-BUTYL PHTHALATE		UG/KG	NA	<394	/U	NA	NA	<433	/U	<350	/U
DI-N-OCTYL PHTHALATE		UG/KG	NA	<394	/U	NA	NA	<433	/U	<350	/U
DIBENZO(A,H)ANTHRACENE		UG/KG	NA	<394	/U	NA	NA	<433	/U	<350	/U
DIBENZOFURAN		UG/KG	NA	<394	/U	NA	NA	<433	/U	<350	/U
DIETHYL PHTHALATE		UG/KG	NA	<394	/U	NA	NA	<433	/U	<350	/U
DIMETHYL PHTHALATE		UG/KG	NA	<394	/U	NA	NA	<433	/U	<350	/U
FLUORANTHENE		UG/KG	NA	<394	/U	NA	NA	<433	/U	<350	/U
FLUORENE		UG/KG	NA	<394	/U	NA	NA	<433	/U	<350	/U
HEXACHLOROBENZENE		UG/KG	NA	<394	/U	NA	NA	<433	/U	<350	/U
HEXACHLOROBUTADIENE		UG/KG	NA	<394	/U	NA	NA	<433	/U	<350	/U
HEXACHLOROCYCLOPENTADIE		UG/KG	NA	<394	/U	NA	NA	<433	/U	<350	/U
HEXACHLOROETHANE		UG/KG	NA	<394	/U	NA	NA	<433	/U	<350	/U
INDENO(1,2,3-C,D)PYRENE		UG/KG	NA	<394	/U	NA	NA	<433	/U	<350	/U
ISOPHORONE		UG/KG	NA	<394	/U	NA	NA	<433	/U	<350	/U
M-NITROANILINE		UG/KG	NA	<985	UJc/U	NA	NA	<1,080	UJc/U	<874	UJc/U

Table C3.4
LEHR Environmental Restoration
Analytical Results For BI

Semivolatile Organics by CLP

	Background Level	UNITS	LEHR-SS-BG-0077 WA-2, 16'	LEHR-SS-BG-0078 WA-2, 20'		LEHR-SS-BG-0079 WA-2, 34'	LEHR-SS-BG-0080 WA-2, (FD), 31.5'	LEHR-SS-BG-0081 WA-2, 40'		LEHR-SS-BG-0082 WA-3, 0'	
N-NITROSODIPHENYLAMINE		UG/KG	NA	<394	/U	NA	NA	<433	/U	<350	/U
N-NITROSODIPROPYLAMINE		UG/KG	NA	<394	/U	NA	NA	<433	/U	<350	/U
NAPHTHALENE		UG/KG	NA	<394	/U	NA	NA	<433	/U	<350	/U
NITROBENZENE		UG/KG	NA	<394	/U	NA	NA	<433	/U	<350	/U
O-CRESOL		UG/KG	NA	<394	/U	NA	NA	<433	/U	<350	/U
O-NITROANILINE		UG/KG	NA	<985	/U	NA	NA	<1,080	/U	<874	/U
P-CRESOL		UG/KG	NA	<394	/U	NA	NA	<433	/U	<350	/U
P-NITROANILINE		UG/KG	NA	<985	/U	NA	NA	<1,080	/U	<874	UJc/U
PENTACHLOROPHENOL		UG/KG	NA	<985	/U	NA	NA	<1,080	/U	<874	/U
PHENANTHRENE		UG/KG	NA	<394	/U	NA	NA	<433	/U	<350	/U
PHENOL		UG/KG	NA	<394	/U	NA	NA	<433	/U	<350	/U
PYRENE		UG/KG	NA	<394	/U	NA	NA	<433	/U	<350	/U

Table C3.4
LEHR Environmental Restoration
Analytical Results For BI

Semivolatile Organics by CLP

	Background Level	UNITS	LEHR-SS-BG-0083 WA-3, 4'		LEHR-SS-BG-0084 WA-3, 8'	LEHR-SS-BG-0085 WA-3, 12'		LEHR-SS-BG-0086 WA-3, 16'	LEHR-SS-BG-0087 WA-3, 20'		LEHR-SS-BG-0088 WA-3, (FD), 22'	
1,2,4-TRICHLOROBENZENE		UG/KG	<374	/U	NA	<391	/U	NA	<383	/U	<372	/U
1,2-DICHLOROBENZENE		UG/KG	<374	/U	NA	<391	/U	NA	<383	/U	<372	/U
1,3-DICHLOROBENZENE		UG/KG	<374	/U	NA	<391	/U	NA	<383	/U	<372	/U
1,4-DICHLOROBENZENE		UG/KG	<374	/U	NA	<391	/U	NA	<383	/U	<372	/U
2,4,5-TRICHLOROPHENOL		UG/KG	<936	/U	NA	<977	/U	NA	<958	/U	<931	/U
2,4,6-TRICHLOROPHENOL		UG/KG	<374	/U	NA	<391	/U	NA	<383	/U	<372	/U
2,4-DICHLOROPHENOL		UG/KG	<374	/U	NA	<391	/U	NA	<383	/U	<372	/U
2,4-DIMETHYLPHENOL		UG/KG	<374	/U	NA	<391	/U	NA	<383	/U	<372	/U
2,4-DINITROPHENOL		UG/KG	<936	/U	NA	<977	/U	NA	<958	/U	<931	/U
2,4-DINITROTOLUENE		UG/KG	<374	/U	NA	<391	/U	NA	<383	/U	<372	/U
2,6-DINITROTOLUENE		UG/KG	<374	/U	NA	<391	/U	NA	<383	/U	<372	/U
2-CHLORONAPHTHALENE		UG/KG	<374	/U	NA	<391	/U	NA	<383	/U	<372	/U
2-CHLOROPHENOL		UG/KG	<374	/U	NA	<391	/U	NA	<383	/U	<372	/U
2-METHYL-4,6-DINITROPHENOL		UG/KG	<936	/U	NA	<977	/U	NA	<958	/U	<931	/U
2-METHYLNAPHTHALENE		UG/KG	<374	/U	NA	<391	/U	NA	<383	/U	<372	/U
2-NITROPHENOL		UG/KG	<374	/U	NA	<391	/U	NA	<383	/U	<372	/U
3,3'-DICHLOROBENZIDINE		UG/KG	<374	/U	NA	<391	/U	NA	<383	/U	<372	/U
4-BROMOPHENYL PHENYL ETHE		UG/KG	<374	/U	NA	<391	/U	NA	<383	/U	<372	/U
4-CHLORO-3-METHYL PHENOL		UG/KG	<374	/U	NA	<391	/U	NA	<383	/U	<372	/U
4-CHLOROANILINE		UG/KG	<374	/U	NA	<391	/U	NA	<383	/U	<372	/U
4-CHLOROPHENYL PHENYL ETH		UG/KG	<374	/U	NA	<391	/U	NA	<383	/U	<372	/U
4-NITROPHENOL		UG/KG	<936	/U	NA	<977	/U	NA	<958	/U	<931	/U
ACENAPHTHENE		UG/KG	<374	/U	NA	<391	/U	NA	<383	/U	<372	/U
ACENAPHTHYLENE		UG/KG	<374	/U	NA	<391	/U	NA	<383	/U	<372	/U
ANTHRACENE		UG/KG	<374	/U	NA	<391	/U	NA	<383	/U	<372	/U
BENZO(A)ANTHRACENE		UG/KG	<374	/U	NA	<391	/U	NA	<383	/U	<372	/U

Table C3.4
LEHR Environmental Restoration
Analytical Results For BI

Semivolatile Organics by CLP

	Background Level	UNITS	LEHR-SS-BG-0083 WA-3, 4'		LEHR-SS-BG-0084 WA-3, 8'	LEHR-SS-BG-0085 WA-3, 12'		LEHR-SS-BG-0086 WA-3, 16'	LEHR-SS-BG-0087 WA-3, 20'		LEHR-SS-BG-0088 WA-3, (FD), 22'	
BENZO(A)PYRENE		UG/KG	<374	/U	NA	<391	/U	NA	<383	/U	<372	/U
BENZO(B)FLUORANTHENE		UG/KG	<374	/U	NA	<391	/U	NA	<383	/U	<372	/U
BENZO(GHI)PERYLENE		UG/KG	<374	/U	NA	<391	/U	NA	<383	/U	<372	/U
BENZO(K)FLUORANTHENE		UG/KG	<374	/U	NA	<391	/U	NA	<383	/U	<372	/U
BIS(2-CHLOROETHOXY)METHAN		UG/KG	<374	/U	NA	<391	/U	NA	<383	/U	<372	/U
BIS(2-CHLOROETHYL) ETHER		UG/KG	<374	/U	NA	<391	/U	NA	<383	/U	<372	/U
BIS(2-CHLOROISOPROPYL)ETHE		UG/KG	<374	/U	NA	<391	/U	NA	<383	/U	<372	/U
BIS(2-ETHYLHEXYL)PHTHALATE		UG/KG	<374	/U	NA	<391	/U	NA	<383	/U	<372	/U
BUTYL BENZYL PHTHALATE		UG/KG	<374	/U	NA	<391	/U	NA	<383	/U	<372	/U
CARBAZOLE		UG/KG	<374	UJc/U	NA	<391	UJc/U	NA	<383	UJc/U	<372	UJc/U
CHRYSENE		UG/KG	<374	/U	NA	<391	/U	NA	<383	/U	<372	/U
DI-N-BUTYL PHTHALATE		UG/KG	<374	/U	NA	<391	/U	NA	<383	/U	<372	/U
DI-N-OCTYL PHTHALATE		UG/KG	<374	/U	NA	<391	/U	NA	<383	/U	<372	/U
DIBENZO(A,H)ANTHRACENE		UG/KG	<374	/U	NA	<391	/U	NA	<383	/U	<372	/U
DIBENZOFURAN		UG/KG	<374	/U	NA	<391	/U	NA	<383	/U	<372	/U
DIETHYL PHTHALATE		UG/KG	<374	/U	NA	<391	/U	NA	<383	/U	<372	/U
DIMETHYL PHTHALATE		UG/KG	<374	/U	NA	<391	/U	NA	<383	/U	<372	/U
FLUORANTHENE		UG/KG	<374	/U	NA	<391	/U	NA	<383	/U	<372	/U
FLUORENE		UG/KG	<374	/U	NA	<391	/U	NA	<383	/U	<372	/U
HEXACHLOROBENZENE		UG/KG	<374	/U	NA	<391	/U	NA	<383	/U	<372	/U
HEXACHLOROBUTADIENE		UG/KG	<374	/U	NA	<391	/U	NA	<383	/U	<372	/U
HEXACHLOROCYCLOPENTADIE		UG/KG	<374	/U	NA	<391	/U	NA	<383	/U	<372	/U
HEXACHLOROETHANE		UG/KG	<374	/U	NA	<391	/U	NA	<383	/U	<372	/U
INDENO(1,2,3-C,D)PYRENE		UG/KG	<374	/U	NA	<391	/U	NA	<383	/U	<372	/U
ISOPHORONE		UG/KG	<374	/U	NA	<391	/U	NA	<383	/U	<372	/U
M-NITROANILINE		UG/KG	<936	UJc/U	NA	<977	UJc/U	NA	<958	UJc/U	<931	UJc/U

Table C3.4
LEHR Environmental Restoration
Analytical Results For BI

Semivolatile Organics by CLP

	Background Level	UNITS	LEHR-SS-BG-0083 WA-3, 4'		LEHR-SS-BG-0084 WA-3, 8'	LEHR-SS-BG-0085 WA-3, 12'		LEHR-SS-BG-0086 WA-3, 16'	LEHR-SS-BG-0087 WA-3, 20'		LEHR-SS-BG-0088 WA-3, (FD), 22'	
N-NITROSODIPHENYLAMINE		UG/KG	<374	/U	NA	<391	/U	NA	<383	/U	<372	/U
N-NITROSODIPROPYLAMINE		UG/KG	<374	/U	NA	<391	/U	NA	<383	/U	<372	/U
NAPHTHALENE		UG/KG	<374	/U	NA	<391	/U	NA	<383	/U	<372	/U
NITROBENZENE		UG/KG	<374	/U	NA	<391	/U	NA	<383	/U	<372	/U
O-CRESOL		UG/KG	<374	/U	NA	<391	/U	NA	<383	/U	<372	/U
O-NITROANILINE		UG/KG	<936	/U	NA	<977	/U	NA	<958	/U	<931	/U
P-CRESOL		UG/KG	<374	/U	NA	<391	/U	NA	<383	/U	<372	/U
P-NITROANILINE		UG/KG	<936	UJc/U	NA	<977	UJc/U	NA	<958	UJc/U	<931	UJc/U
PENTACHLOROPHENOL		UG/KG	<936	/U	NA	<977	/U	NA	<958	/U	<931	/U
PHENANTHRENE		UG/KG	<374	/U	NA	<391	/U	NA	<383	/U	<372	/U
PHENOL		UG/KG	<374	/U	NA	<391	/U	NA	<383	/U	<372	/U
PYRENE		UG/KG	<374	/U	NA	<391	/U	NA	<383	/U	<372	/U

Table C3.4
LEHR Environmental Restoration
Analytical Results For BI

Semivolatile Organics by CLP

	Background Level	UNITS	LEHR-SS-BG-0089 WA-3, 30'		LEHR-SS-BG-0090 WA-3, 40'		LEHR-SS-BG-0091 WA-4, 0'		LEHR-SS-BG-0092 WA-4, 4'		LEHR-SS-BG-0093 WA-4, 8'	LEHR-SS-BG-0094 WA-4, 12'	
1,2,4-TRICHLOROBENZENE		UG/KG	NA	<404	/U	<347	/U	<347	/U	NA	<387	/U
1,2-DICHLOROBENZENE		UG/KG	NA	<404	/U	<347	/U	<347	/U	NA	<387	/U
1,3-DICHLOROBENZENE		UG/KG	NA	<404	/U	<347	/U	<347	/U	NA	<387	/U
1,4-DICHLOROBENZENE		UG/KG	NA	<404	/U	<347	/U	<347	/U	NA	<387	/U
2,4,5-TRICHLOROPHENOL		UG/KG	NA	<1,010	/U	<868	/U	<868	/U	NA	<967	/U
2,4,6-TRICHLOROPHENOL		UG/KG	NA	<404	/U	<347	/U	<347	/U	NA	<387	/U
2,4-DICHLOROPHENOL		UG/KG	NA	<404	/U	<347	/U	<347	/U	NA	<387	/U
2,4-DIMETHYLPHENOL		UG/KG	NA	<404	/U	<347	/U	<347	/U	NA	<387	/U
2,4-DINITROPHENOL		UG/KG	NA	<1,010	/U	<868	/U	<868	/U	NA	<967	/U
2,4-DINITROTOLUENE		UG/KG	NA	<404	/U	<347	/U	<347	/U	NA	<387	/U
2,6-DINITROTOLUENE		UG/KG	NA	<404	/U	<347	/U	<347	/U	NA	<387	/U
2-CHLORONAPHTHALENE		UG/KG	NA	<404	/U	<347	/U	<347	/U	NA	<387	/U
2-CHLOROPHENOL		UG/KG	NA	<404	/U	<347	/U	<347	/U	NA	<387	/U
2-METHYL-4,6-DINITROPHENOL		UG/KG	NA	<1,010	/U	<868	/U	<868	/U	NA	<967	/U
2-METHYLNAPHTHALENE		UG/KG	NA	<404	/U	<347	/U	<347	/U	NA	<387	/U
2-NITROPHENOL		UG/KG	NA	<404	/U	<347	/U	<347	/U	NA	<387	/U
3,3'-DICHLOROBENZIDINE		UG/KG	NA	<404	/U	<347	/U	<347	/U	NA	<387	/U
4-BROMOPHENYL PHENYL ETHE		UG/KG	NA	<404	/U	<347	/U	<347	/U	NA	<387	/U
4-CHLORO-3-METHYL PHENOL		UG/KG	NA	<404	/U	<347	/U	<347	/U	NA	<387	/U
4-CHLOROANILINE		UG/KG	NA	<404	/U	<347	/U	<347	/U	NA	<387	/U
4-CHLOROPHENYL PHENYL ETH		UG/KG	NA	<404	/U	<347	/U	<347	/U	NA	<387	/U
4-NITROPHENOL		UG/KG	NA	<1,010	/U	<868	/U	<868	/U	NA	<967	/U
ACENAPHTHENE		UG/KG	NA	<404	/U	<347	/U	<347	/U	NA	<387	/U
ACENAPHTHYLENE		UG/KG	NA	<404	/U	<347	/U	<347	/U	NA	<387	/U
ANTHRACENE		UG/KG	NA	<404	/U	<347	/U	<347	/U	NA	<387	/U
BENZO(A)ANTHRACENE		UG/KG	NA	<404	/U	<347	/U	<347	/U	NA	<387	/U

Table C3.4
LEHR Environmental Restoration
Analytical Results For BI

Semivolatile Organics by CLP

	Background Level	UNITS	LEHR-SS-BG-0089 WA-3, 30'		LEHR-SS-BG-0090 WA-3, 40'		LEHR-SS-BG-0091 WA-4, 0'		LEHR-SS-BG-0092 WA-4, 4'		LEHR-SS-BG-0093 WA-4, 8'	LEHR-SS-BG-0094 WA-4, 12'	
BENZO(A)PYRENE		UG/KG	NA		<404	/U	<347	/U	<347	/U	NA	<387	/U
BENZO(B)FLUORANTHENE		UG/KG	NA		<404	/U	<347	/U	<347	/U	NA	<387	/U
BENZO(GHI)PERYLENE		UG/KG	NA		<404	/U	<347	/U	<347	/U	NA	<387	/U
BENZO(K)FLUORANTHENE		UG/KG	NA		<404	/U	<347	/U	<347	/U	NA	<387	/U
BIS(2-CHLOROETHOXY)METHAN		UG/KG	NA		<404	/U	<347	/U	<347	/U	NA	<387	/U
BIS(2-CHLOROETHYL) ETHER		UG/KG	NA		<404	/U	<347	/U	<347	/U	NA	<387	/U
BIS(2-CHLOROISOPROPYL)ETHE		UG/KG	NA		<404	/U	<347	/U	<347	/U	NA	<387	/U
BIS(2-ETHYLHEXYL)PHTHALATE		UG/KG	NA		<404	/U	<347	/U	<347	/U	NA	<387	/U
BUTYL BENZYL PHTHALATE		UG/KG	NA		<404	/U	<347	/U	<347	/U	NA	<387	/U
CARBAZOLE		UG/KG	NA		<404	UJc/U	<347	UJc/U	<347	UJc/U	NA	<387	UJc/U
CHRYSENE		UG/KG	NA		<404	/U	<347	/U	<347	/U	NA	<387	/U
DI-N-BUTYL PHTHALATE		UG/KG	NA		<404	/U	<347	/U	<347	/U	NA	<387	/U
DI-N-OCTYL PHTHALATE		UG/KG	NA		<404	/U	<347	/U	<347	/U	NA	<387	/U
DIBENZO(A,H)ANTHRACENE		UG/KG	NA		<404	/U	<347	/U	<347	/U	NA	<387	/U
DIBENZOFURAN		UG/KG	NA		<404	/U	<347	/U	<347	/U	NA	<387	/U
DIETHYL PHTHALATE		UG/KG	NA		<404	/U	<347	/U	<347	/U	NA	<387	/U
DIMETHYL PHTHALATE		UG/KG	NA		<404	/U	<347	/U	<347	/U	NA	<387	/U
FLUORANTHENE		UG/KG	NA		<404	/U	<347	/U	<347	/U	NA	<387	/U
FLUORENE		UG/KG	NA		<404	/U	<347	/U	<347	/U	NA	<387	/U
HEXACHLOROBENZENE		UG/KG	NA		<404	/U	<347	/U	<347	/U	NA	<387	/U
HEXACHLOROBUTADIENE		UG/KG	NA		<404	/U	<347	/U	<347	/U	NA	<387	/U
HEXACHLOROCYCLOPENTADIE		UG/KG	NA		<404	/U	<347	/U	<347	/U	NA	<387	/U
HEXACHLOROETHANE		UG/KG	NA		<404	/U	<347	/U	<347	/U	NA	<387	/U
INDENO(1,2,3-C,D)PYRENE		UG/KG	NA		<404	/U	<347	/U	<347	/U	NA	<387	/U
ISOPHORONE		UG/KG	NA		<404	/U	<347	/U	<347	/U	NA	<387	/U
M-NITROANILINE		UG/KG	NA		<1,010	UJc/U	<868	UJc/U	<868	UJc/U	NA	<967	UJc/U

Table C3.4
LEHR Environmental Restoration
Analytical Results For BI

Semivolatile Organics by CLP

	Background Level	UNITS	LEHR-SS-BG-0089 WA-3, 30'		LEHR-SS-BG-0090 WA-3, 40'		LEHR-SS-BG-0091 WA-4, 0'		LEHR-SS-BG-0092 WA-4, 4'		LEHR-SS-BG-0093 WA-4, 8'	LEHR-SS-BG-0094 WA-4, 12'	
N-NITROSODIPHENYLAMINE		UG/KG	NA		<404	/U	<347	/U	<347	/U	NA	<387	/U
N-NITROSODIPROPYLAMINE		UG/KG	NA		<404	/U	<347	/U	<347	/U	NA	<387	/U
NAPHTHALENE		UG/KG	NA		<404	/U	<347	/U	<347	/U	NA	<387	/U
NITROBENZENE		UG/KG	NA		<404	/U	<347	/U	<347	/U	NA	<387	/U
O-CRESOL		UG/KG	NA		<404	/U	<347	/U	<347	/U	NA	<387	/U
O-NITROANILINE		UG/KG	NA		<1,010	/U	<868	/U	<868	/U	NA	<967	/U
P-CRESOL		UG/KG	NA		<404	/U	<347	/U	<347	/U	NA	<387	/U
P-NITROANILINE		UG/KG	NA		<1,010	UJc/U	<868	UJc/U	<868	UJc/U	NA	<967	UJc/U
PENTACHLOROPHENOL		UG/KG	NA		<1,010	/U	<868	/U	<868	/U	NA	<967	/U
PHENANTHRENE		UG/KG	NA		<404	/U	<347	/U	<347	/U	NA	<387	/U
PHENOL		UG/KG	NA		<404	/U	<347	/U	<347	/U	NA	<387	/U
PYRENE		UG/KG	NA		<404	/U	<347	/U	<347	/U	NA	<387	/U

Table C3.4
LEHR Environmental Restoration
Analytical Results For BI

Semivolatile Organics by CLP

	Background Level	UNITS	LEHR-SS-BG-0095 WA-4, (FD), 13'		LEHR-SS-BG-0096 WA-4, 16'	LEHR-SS-BG-0097 WA-4, 20'		LEHR-SS-BG-0098 WA-4, 30'	LEHR-SS-BG-0099 WA-4, 40'		LEHR-SS-BG-0100 WA-5, 0'	
1,2,4-TRICHLOROBENZENE		UG/KG	<398	/U	NA	<374	/U	NA	<385	/U	<362	/U
1,2-DICHLOROBENZENE		UG/KG	<398	/U	NA	<374	/U	NA	<385	/U	<362	/U
1,3-DICHLOROBENZENE		UG/KG	<398	/U	NA	<374	/U	NA	<385	/U	<362	/U
1,4-DICHLOROBENZENE		UG/KG	<398	/U	NA	<374	/U	NA	<385	/U	<362	/U
2,4,5-TRICHLOROPHENOL		UG/KG	<996	/U	NA	<936	/U	NA	<963	/U	<906	/U
2,4,6-TRICHLOROPHENOL		UG/KG	<398	/U	NA	<374	/U	NA	<385	/U	<362	/U
2,4-DICHLOROPHENOL		UG/KG	<398	/U	NA	<374	/U	NA	<385	/U	<362	/U
2,4-DIMETHYLPHENOL		UG/KG	<398	/U	NA	<374	/U	NA	<385	/U	<362	/U
2,4-DINITROPHENOL		UG/KG	<996	/U	NA	<936	/U	NA	<963	/U	<906	/U
2,4-DINITROTOLUENE		UG/KG	<398	/U	NA	<374	/U	NA	<385	/U	<362	/U
2,6-DINITROTOLUENE		UG/KG	<398	/U	NA	<374	/U	NA	<385	/U	<362	/U
2-CHLORONAPHTHALENE		UG/KG	<398	/U	NA	<374	/U	NA	<385	/U	<362	/U
2-CHLOROPHENOL		UG/KG	<398	/U	NA	<374	/U	NA	<385	/U	<362	/U
2-METHYL-4,6-DINITROPHENOL		UG/KG	<996	/U	NA	<936	/U	NA	<963	/U	<906	/U
2-METHYLNAPHTHALENE		UG/KG	<398	/U	NA	<374	/U	NA	<385	/U	<362	/U
2-NITROPHENOL		UG/KG	<398	/U	NA	<374	/U	NA	<385	/U	<362	/U
3,3'-DICHLOROBENZIDINE		UG/KG	<398	/U	NA	<374	/U	NA	<385	/U	<362	/U
4-BROMOPHENYL PHENYL ETHE		UG/KG	<398	/U	NA	<374	/U	NA	<385	/U	<362	/U
4-CHLORO-3-METHYL PHENOL		UG/KG	<398	/U	NA	<374	/U	NA	<385	/U	<362	/U
4-CHLOROANILINE		UG/KG	<398	/U	NA	<374	/U	NA	<385	/U	<362	/U
4-CHLOROPHENYL PHENYL ETH		UG/KG	<398	/U	NA	<374	/U	NA	<385	/U	<362	/U
4-NITROPHENOL		UG/KG	<996	/U	NA	<936	/U	NA	<963	/U	<906	/U
ACENAPHTHENE		UG/KG	<398	/U	NA	<374	/U	NA	<385	/U	<362	/U
ACENAPHTHYLENE		UG/KG	<398	/U	NA	<374	/U	NA	<385	/U	<362	/U
ANTHRACENE		UG/KG	<398	/U	NA	<374	/U	NA	<385	/U	<362	/U
BENZO(A)ANTHRACENE		UG/KG	<398	/U	NA	<374	/U	NA	<385	/U	<362	/U

Table C3.4
LEHR Environmental Restoration
Analytical Results For BI

Semivolatile Organics by CLP

	Background Level	UNITS	LEHR-SS-BG-0095 WA-4, (FD), 13'		LEHR-SS-BG-0096 WA-4, 16'	LEHR-SS-BG-0097 WA-4, 20'		LEHR-SS-BG-0098 WA-4, 30'	LEHR-SS-BG-0099 WA-4, 40'		LEHR-SS-BG-0100 WA-5, 0'	
BENZO(A)PYRENE		UG/KG	<398	/U	NA	<374	/U	NA	<385	/U	<362	/U
BENZO(B)FLUORANTHENE		UG/KG	<398	/U	NA	<374	/U	NA	<385	/U	<362	/U
BENZO(GHI)PERYLENE		UG/KG	<398	/U	NA	<374	/U	NA	<385	/U	<362	/U
BENZO(K)FLUORANTHENE		UG/KG	<398	/U	NA	<374	/U	NA	<385	/U	<362	/U
BIS(2-CHLOROETHOXY)METHAN		UG/KG	<398	/U	NA	<374	/U	NA	<385	/U	<362	/U
BIS(2-CHLOROETHYL) ETHER		UG/KG	<398	/U	NA	<374	/U	NA	<385	/U	<362	/U
BIS(2-CHLOROISOPROPYL)ETHE		UG/KG	<398	/U	NA	<374	/U	NA	<385	/U	<362	/U
BIS(2-ETHYLHEXYL)PHTHALATE		UG/KG	<398	/U	NA	<374	/U	NA	<385	/U	<362	/U
BUTYL BENZYL PHTHALATE		UG/KG	<398	/U	NA	<374	/U	NA	<385	/U	<362	/U
CARBAZOLE		UG/KG	<398	UJc/U	NA	<374	UJc/U	NA	<385	UJc/U	<362	UJc/U
CHRYSENE		UG/KG	<398	/U	NA	<374	/U	NA	<385	/U	<362	/U
DI-N-BUTYL PHTHALATE		UG/KG	<398	/U	NA	<374	/U	NA	<385	/U	<362	/U
DI-N-OCTYL PHTHALATE		UG/KG	<398	/U	NA	<374	/U	NA	<385	/U	<362	/U
DIBENZO(A,H)ANTHRACENE		UG/KG	<398	/U	NA	<374	/U	NA	<385	/U	<362	/U
DIBENZOFURAN		UG/KG	<398	/U	NA	<374	/U	NA	<385	/U	<362	/U
DIETHYL PHTHALATE		UG/KG	<398	/U	NA	<374	/U	NA	<385	/U	<362	/U
DIMETHYL PHTHALATE		UG/KG	<398	/U	NA	<374	/U	NA	<385	/U	<362	/U
FLUORANTHENE		UG/KG	<398	/U	NA	<374	/U	NA	<385	/U	<362	/U
FLUORENE		UG/KG	<398	/U	NA	<374	/U	NA	<385	/U	<362	/U
HEXACHLOROBENZENE		UG/KG	<398	/U	NA	<374	/U	NA	<385	/U	<362	/U
HEXACHLOROBUTADIENE		UG/KG	<398	/U	NA	<374	/U	NA	<385	/U	<362	/U
HEXACHLOROCYCLOPENTADIE		UG/KG	<398	/U	NA	<374	/U	NA	<385	/U	<362	/U
HEXACHLOROETHANE		UG/KG	<398	/U	NA	<374	/U	NA	<385	/U	<362	/U
INDENO(1,2,3-C,D)PYRENE		UG/KG	<398	/U	NA	<374	/U	NA	<385	/U	<362	/U
ISOPHORONE		UG/KG	<398	/U	NA	<374	/U	NA	<385	/U	<362	/U
M-NITROANILINE		UG/KG	<996	UJc/U	NA	<936	UJc/U	NA	<963	UJc/U	<906	UJc/U

Table C3.4
LEHR Environmental Restoration
Analytical Results For BI

Semivolatile Organics by CLP

	Background Level	UNITS	LEHR-SS-BG-0095 WA-4, (FD), 13 '		LEHR-SS-BG-0096 WA-4, 16'	LEHR-SS-BG-0097 WA-4, 20'		LEHR-SS-BG-0098 WA-4, 30'	LEHR-SS-BG-0099 WA-4, 40'		LEHR-SS-BG-0100 WA-5, 0'	
N-NITROSODIPHENYLAMINE		UG/KG	<398	/U	NA	<374	/U	NA	<385	/U	<362	/U
N-NITROSODIPROPYLAMINE		UG/KG	<398	/U	NA	<374	/U	NA	<385	/U	<362	/U
NAPHTHALENE		UG/KG	<398	/U	NA	<374	/U	NA	<385	/U	<362	/U
NITROBENZENE		UG/KG	<398	/U	NA	<374	/U	NA	<385	/U	<362	/U
O-CRESOL		UG/KG	<398	/U	NA	<374	/U	NA	<385	/U	<362	/U
O-NITROANILINE		UG/KG	<996	/U	NA	<936	/U	NA	<963	/U	<906	/U
P-CRESOL		UG/KG	<398	/U	NA	<374	/U	NA	<385	/U	<362	/U
P-NITROANILINE		UG/KG	<996	UJc/U	NA	<936	/U	NA	<963	UJc/U	<906	/U
PENTACHLOROPHENOL		UG/KG	<996	/U	NA	<936	/U	NA	<963	/U	<906	/U
PHENANTHRENE		UG/KG	<398	/U	NA	<374	/U	NA	<385	/U	<362	/U
PHENOL		UG/KG	<398	/U	NA	<374	/U	NA	<385	/U	<362	/U
PYRENE		UG/KG	<398	/U	NA	<374	/U	NA	<385	/U	<362	/U

Table C3.4
LEHR Environmental Restoration
Analytical Results For BI

Semivolatile Organics by CLP

	Background Level	UNITS	LEHR-SS-BG-0101 WA-5, 4'		LEHR-SS-BG-0102 WA-5, 8'	LEHR-SS-BG-0103 WA-5, 12'		LEHR-SS-BG-0104 WA-5, 16'	LEHR-SS-BG-0105 WA-5, 20'		LEHR-SS-BG-0106 WA-5, (FD), 21.5'	
1,2,4-TRICHLOROBENZENE		UG/KG	<398	/U	NA	<386	/U	NA	<388	/U	<391	/U
1,2-DICHLOROBENZENE		UG/KG	<398	/U	NA	<386	/U	NA	<388	/U	<391	/U
1,3-DICHLOROBENZENE		UG/KG	<398	/U	NA	<386	/U	NA	<388	/U	<391	/U
1,4-DICHLOROBENZENE		UG/KG	<398	/U	NA	<386	/U	NA	<388	/U	<391	/U
2,4,5-TRICHLOROPHENOL		UG/KG	<994	/U	NA	<966	/U	NA	<971	/U	<977	/U
2,4,6-TRICHLOROPHENOL		UG/KG	<398	/U	NA	<386	/U	NA	<388	/U	<391	/U
2,4-DICHLOROPHENOL		UG/KG	<398	/U	NA	<386	/U	NA	<388	/U	<391	/U
2,4-DIMETHYLPHENOL		UG/KG	<398	/U	NA	<386	/U	NA	<388	/U	<391	/U
2,4-DINITROPHENOL		UG/KG	<994	/U	NA	<966	/U	NA	<971	/U	<977	/U
2,4-DINITROTOLUENE		UG/KG	<398	/U	NA	<386	/U	NA	<388	/U	<391	/U
2,6-DINITROTOLUENE		UG/KG	<398	/U	NA	<386	/U	NA	<388	/U	<391	/U
2-CHLORONAPHTHALENE		UG/KG	<398	/U	NA	<386	/U	NA	<388	/U	<391	/U
2-CHLOROPHENOL		UG/KG	<398	/U	NA	<386	/U	NA	<388	/U	<391	/U
2-METHYL-4,6-DINITROPHENOL		UG/KG	<994	/U	NA	<966	UJc/U	NA	<971	UJc/U	<977	/U
2-METHYLNAPHTHALENE		UG/KG	<398	/U	NA	<386	/U	NA	<388	/U	<391	/U
2-NITROPHENOL		UG/KG	<398	/U	NA	<386	/U	NA	<388	/U	<391	/U
3,3'-DICHLOROBENZIDINE		UG/KG	<398	/U	NA	<386	/U	NA	<388	/U	<391	/U
4-BROMOPHENYL PHENYL ETHE		UG/KG	<398	/U	NA	<386	/U	NA	<388	/U	<391	/U
4-CHLORO-3-METHYL PHENOL		UG/KG	<398	/U	NA	<386	/U	NA	<388	/U	<391	/U
4-CHLOROANILINE		UG/KG	<398	/U	NA	<386	UJc/U	NA	<388	UJc/U	<391	/U
4-CHLOROPHENYL PHENYL ETH		UG/KG	<398	/U	NA	<386	/U	NA	<388	/U	<391	/U
4-NITROPHENOL		UG/KG	<994	/U	NA	<966	/U	NA	<971	/U	<977	/U
ACENAPHTHENE		UG/KG	<398	/U	NA	<386	/U	NA	<388	/U	<391	/U
ACENAPHTHYLENE		UG/KG	<398	/U	NA	<386	/U	NA	<388	/U	<391	/U
ANTHRACENE		UG/KG	<398	/U	NA	<386	/U	NA	<388	/U	<391	/U
BENZO(A)ANTHRACENE		UG/KG	<398	/U	NA	<386	/U	NA	<388	/U	<391	/U

Table C3.4
LEHR Environmental Restoration
Analytical Results For BI

Semivolatile Organics by CLP

	Background Level	UNITS	LEHR-SS-BG-0101 WA-5, 4 '		LEHR-SS-BG-0102 WA-5, 8'	LEHR-SS-BG-0103 WA-5, 12'		LEHR-SS-BG-0104 WA-5, 16'	LEHR-SS-BG-0105 WA-5, 20'		LEHR-SS-BG-0106 WA-5, (FD), 21.5'	
BENZO(A)PYRENE		UG/KG	<398	/U	NA	<386	/U	NA	<388	/U	<391	/U
BENZO(B)FLUORANTHENE		UG/KG	<398	/U	NA	<386	/U	NA	<388	/U	<391	/U
BENZO(GHI)PERYLENE		UG/KG	<398	/U	NA	<386	/U	NA	<388	/U	<391	/U
BENZO(K)FLUORANTHENE		UG/KG	<398	/U	NA	<386	/U	NA	<388	/U	<391	/U
BIS(2-CHLOROETHOXY)METHAN		UG/KG	<398	/U	NA	<386	/U	NA	<388	/U	<391	/U
BIS(2-CHLOROETHYL) ETHER		UG/KG	<398	/U	NA	<386	/U	NA	<388	/U	<391	/U
BIS(2-CHLOROISOPROPYL)ETHE		UG/KG	<398	/U	NA	<386	/U	NA	<388	/U	<391	/U
BIS(2-ETHYLHEXYL)PHTHALATE		UG/KG	<398	/U	NA	<386	/U	NA	<388	/U	<391	/U
BUTYL BENZYL PHTHALATE		UG/KG	<398	/U	NA	<386	/U	NA	<388	/U	<391	/U
CARBAZOLE		UG/KG	<398	UJc/U	NA	<386	UJc/U	NA	<388	UJc/U	<391	UJc/U
CHRYSENE		UG/KG	<398	/U	NA	<386	/U	NA	<388	/U	<391	/U
DI-N-BUTYL PHTHALATE		UG/KG	<398	/U	NA	<386	/U	NA	<388	/U	<391	/U
DI-N-OCTYL PHTHALATE		UG/KG	<398	/U	NA	<386	/U	NA	<388	/U	<391	/U
DIBENZO(A,H)ANTHRACENE		UG/KG	<398	/U	NA	<386	/U	NA	<388	/U	<391	/U
DIBENZOFURAN		UG/KG	<398	/U	NA	<386	/U	NA	<388	/U	<391	/U
DIETHYL PHTHALATE		UG/KG	<398	/U	NA	<386	/U	NA	<388	/U	<391	/U
DIMETHYL PHTHALATE		UG/KG	<398	/U	NA	<386	/U	NA	<388	/U	<391	/U
FLUORANTHENE		UG/KG	<398	/U	NA	<386	/U	NA	<388	/U	<391	/U
FLUORENE		UG/KG	<398	/U	NA	<386	/U	NA	<388	/U	<391	/U
HEXACHLOROBENZENE		UG/KG	<398	/U	NA	<386	/U	NA	<388	/U	<391	/U
HEXACHLOROBUTADIENE		UG/KG	<398	/U	NA	<386	/U	NA	<388	/U	<391	/U
HEXACHLOROCYCLOPENTADIE		UG/KG	<398	/U	NA	<386	/U	NA	<388	/U	<391	/U
HEXACHLOROETHANE		UG/KG	<398	/U	NA	<386	/U	NA	<388	/U	<391	/U
INDENO(1,2,3-C,D)PYRENE		UG/KG	<398	/U	NA	<386	/U	NA	<388	/U	<391	/U
ISOPHORONE		UG/KG	<398	/U	NA	<386	/U	NA	<388	/U	<391	/U
M-NITROANILINE		UG/KG	<994	UJc/U	NA	<966	UJc/U	NA	<971	Rc/U	<977	UJc/U

Table C3.4
LEHR Environmental Restoration
Analytical Results For BI

Semivolatile Organics by CLP

	Background Level	UNITS	LEHR-SS-BG-0101 WA-5, 4'		LEHR-SS-BG-0102 WA-5, 8'	LEHR-SS-BG-0103 WA-5, 12'		LEHR-SS-BG-0104 WA-5, 16'	LEHR-SS-BG-0105 WA-5, 20'		LEHR-SS-BG-0106 WA-5, (FD), 21.5'	
N-NITROSODIPHENYLAMINE		UG/KG	<398	/U	NA	<386	/U	NA	<388	/U	<391	/U
N-NITROSODIPROPYLAMINE		UG/KG	<398	/U	NA	<386	/U	NA	<388	/U	<391	/U
NAPHTHALENE		UG/KG	<398	/U	NA	<386	/U	NA	<388	/U	<391	/U
NITROBENZENE		UG/KG	<398	/U	NA	<386	/U	NA	<388	/U	<391	/U
O-CRESOL		UG/KG	<398	/U	NA	<386	/U	NA	<388	/U	<391	/U
O-NITROANILINE		UG/KG	<994	/U	NA	<966	/U	NA	<971	/U	<977	/U
P-CRESOL		UG/KG	<398	/U	NA	<386	/U	NA	<388	/U	<391	/U
P-NITROANILINE		UG/KG	<994	/U	NA	<966	/U	NA	<971	UJc/U	<977	/U
PENTACHLOROPHENOL		UG/KG	<994	/U	NA	<966	/U	NA	<971	/U	<977	/U
PHENANTHRENE		UG/KG	<398	/U	NA	<386	/U	NA	<388	/U	<391	/U
PHENOL		UG/KG	<398	/U	NA	<386	/U	NA	<388	/U	<391	/U
PYRENE		UG/KG	<398	/U	NA	<386	/U	NA	<388	/U	<391	/U

Table C3.4
LEHR Environmental Restoration
Analytical Results For BI

Semivolatile Organics by CLP

	Background Level	UNITS	LEHR-SS-BG-0107 WA-5, 30'		LEHR-SS-BG-0108 WA-5, 40'		LEHR-SS-BG-0109 WA-6, 0'		LEHR-SS-BG-0110 WA-6, 4'		LEHR-SS-BG-0111 WA-6, 8'	LEHR-SS-BG-0112 WA-6, 12'	
1,2,4-TRICHLOROBENZENE		UG/KG	NA		<406	/U	<346	/U	<354	/U	NA	<412	/U
1,2-DICHLOROBENZENE		UG/KG	NA		<406	/U	<346	/U	<354	/U	NA	<412	/U
1,3-DICHLOROBENZENE		UG/KG	NA		<406	/U	<346	/U	<354	/U	NA	<412	/U
1,4-DICHLOROBENZENE		UG/KG	NA		<406	/U	<346	/U	<354	/U	NA	<412	/U
2,4,5-TRICHLOROPHENOL		UG/KG	NA		<1,020	/U	<866	/U	<884	/U	NA	<1,030	/U
2,4,6-TRICHLOROPHENOL		UG/KG	NA		<406	/U	<346	/U	<354	/U	NA	<412	/U
2,4-DICHLOROPHENOL		UG/KG	NA		<406	/U	<346	/U	<354	/U	NA	<412	/U
2,4-DIMETHYLPHENOL		UG/KG	NA		<406	/U	<346	/U	<354	/U	NA	<412	/U
2,4-DINITROPHENOL		UG/KG	NA		<1,020	/U	<866	/U	<884	/U	NA	<1,030	/U
2,4-DINITROTOLUENE		UG/KG	NA		<406	/U	<346	/U	<354	/U	NA	<412	/U
2,6-DINITROTOLUENE		UG/KG	NA		<406	/U	<346	/U	<354	/U	NA	<412	/U
2-CHLORONAPHTHALENE		UG/KG	NA		<406	/U	<346	/U	<354	/U	NA	<412	/U
2-CHLOROPHENOL		UG/KG	NA		<406	/U	<346	/U	<354	/U	NA	<412	/U
2-METHYL-4,6-DINITROPHENOL		UG/KG	NA		<1,020	/U	<866	/U	<884	/U	NA	<1,030	/U
2-METHYLNAPHTHALENE		UG/KG	NA		<406	/U	<346	/U	<354	/U	NA	<412	/U
2-NITROPHENOL		UG/KG	NA		<406	/U	<346	/U	<354	/U	NA	<412	/U
3,3'-DICHLOROBENZIDINE		UG/KG	NA		<406	/U	<346	/U	<354	/U	NA	<412	/U
4-BROMOPHENYL PHENYL ETHE		UG/KG	NA		<406	/U	<346	/U	<354	/U	NA	<412	/U
4-CHLORO-3-METHYL PHENOL		UG/KG	NA		<406	/U	<346	/U	<354	/U	NA	<412	/U
4-CHLOROANILINE		UG/KG	NA		<406	/U	<346	/U	<354	/U	NA	<412	/U
4-CHLOROPHENYL PHENYL ETH		UG/KG	NA		<406	/U	<346	/U	<354	/U	NA	<412	/U
4-NITROPHENOL		UG/KG	NA		<1,020	/U	<866	/U	<884	/U	NA	<1,030	/U
ACENAPHTHENE		UG/KG	NA		<406	/U	<346	/U	<354	/U	NA	<412	/U
ACENAPHTHYLENE		UG/KG	NA		<406	/U	<346	/U	<354	/U	NA	<412	/U
ANTHRACENE		UG/KG	NA		<406	/U	<346	/U	<354	/U	NA	<412	/U
BENZO(A)ANTHRACENE		UG/KG	NA		<406	/U	<346	/U	<354	/U	NA	<412	/U

Table C3.4
LEHR Environmental Restoration
Analytical Results For BI

Semivolatile Organics by CLP

	Background Level	UNITS	LEHR-SS-BG-0107 WA-5, 30'		LEHR-SS-BG-0108 WA-5, 40'		LEHR-SS-BG-0109 WA-6, 0'		LEHR-SS-BG-0110 WA-6, 4'		LEHR-SS-BG-0111 WA-6, 8'	LEHR-SS-BG-0112 WA-6, 12'	
BENZO(A)PYRENE		UG/KG	NA	<406	/U	<346	/U	<354	/U	NA	<412	/U
BENZO(B)FLUORANTHENE		UG/KG	NA	<406	/U	<346	/U	<354	/U	NA	<412	/U
BENZO(GHI)PERYLENE		UG/KG	NA	<406	/U	<346	/U	<354	/U	NA	<412	/U
BENZO(K)FLUORANTHENE		UG/KG	NA	<406	/U	<346	/U	<354	/U	NA	<412	/U
BIS(2-CHLOROETHOXY)METHAN		UG/KG	NA	<406	/U	<346	/U	<354	/U	NA	<412	/U
BIS(2-CHLOROETHYL) ETHER		UG/KG	NA	<406	/U	<346	/U	<354	/U	NA	<412	/U
BIS(2-CHLOROISOPROPYL)ETHE		UG/KG	NA	<406	/U	<346	/U	<354	/U	NA	<412	/U
BIS(2-ETHYLHEXYL)PHTHALATE		UG/KG	NA	<406	/U	<346	/U	<354	/U	NA	<412	/U
BUTYL BENZYL PHTHALATE		UG/KG	NA	<406	/U	<346	/U	<354	/U	NA	<412	/U
CARBAZOLE		UG/KG	NA	<406	UJc/U	<346	UJc/U	<354	UJc/U	NA	<412	UJc/U
CHRYSENE		UG/KG	NA	<406	/U	<346	/U	<354	/U	NA	<412	/U
DI-N-BUTYL PHTHALATE		UG/KG	NA	<406	/U	<346	/U	<354	/U	NA	<412	/U
DI-N-OCTYL PHTHALATE		UG/KG	NA	<406	/U	<346	/U	<354	/U	NA	<412	/U
DIBENZO(A,H)ANTHRACENE		UG/KG	NA	<406	/U	<346	/U	<354	/U	NA	<412	/U
DIBENZOFURAN		UG/KG	NA	<406	/U	<346	/U	<354	/U	NA	<412	/U
DIETHYL PHTHALATE		UG/KG	NA	<406	/U	<346	/U	<354	/U	NA	<412	/U
DIMETHYL PHTHALATE		UG/KG	NA	<406	/U	<346	/U	<354	/U	NA	<412	/U
FLUORANTHENE		UG/KG	NA	<406	/U	<346	/U	<354	/U	NA	<412	/U
FLUORENE		UG/KG	NA	<406	/U	<346	/U	<354	/U	NA	<412	/U
HEXACHLOROBENZENE		UG/KG	NA	<406	/U	<346	/U	<354	/U	NA	<412	/U
HEXACHLOROBUTADIENE		UG/KG	NA	<406	/U	<346	/U	<354	/U	NA	<412	/U
HEXACHLOROCYCLOPENTADIE		UG/KG	NA	<406	/U	<346	/U	<354	/U	NA	<412	/U
HEXACHLOROETHANE		UG/KG	NA	<406	/U	<346	/U	<354	/U	NA	<412	/U
INDENO(1,2,3-C,D)PYRENE		UG/KG	NA	<406	/U	<346	/U	<354	/U	NA	<412	/U
ISOPHORONE		UG/KG	NA	<406	/U	<346	/U	<354	/U	NA	<412	/U
M-NITROANILINE		UG/KG	NA	<1,020	UJc/U	<866	UJc/U	<884	UJc/U	NA	<1,030	UJc/U

Table C3.4
LEHR Environmental Restoration
Analytical Results For BI

Semivolatile Organics by CLP

	Background Level	UNITS	LEHR-SS-BG-0107 WA-5, 30'		LEHR-SS-BG-0108 WA-5, 40'		LEHR-SS-BG-0109 WA-6, 0'		LEHR-SS-BG-0110 WA-6, 4'		LEHR-SS-BG-0111 WA-6, 8'		LEHR-SS-BG-0112 WA-6, 12'	
N-NITROSODIPHENYLAMINE		UG/KG	NA		<406	/U	<346	/U	<354	/U	NA		<412	/U
N-NITROSODIPROPYLAMINE		UG/KG	NA		<406	/U	<346	/U	<354	/U	NA		<412	/U
NAPHTHALENE		UG/KG	NA		<406	/U	<346	/U	<354	/U	NA		<412	/U
NITROBENZENE		UG/KG	NA		<406	/U	<346	/U	<354	/U	NA		<412	/U
O-CRESOL		UG/KG	NA		<406	/U	<346	/U	<354	/U	NA		<412	/U
O-NITROANILINE		UG/KG	NA		<1,020	/U	<866	/U	<884	/U	NA		<1,030	/U
P-CRESOL		UG/KG	NA		<406	/U	<346	/U	<354	/U	NA		<412	/U
P-NITROANILINE		UG/KG	NA		<1,020	/U	<866	/U	<884	/U	NA		<1,030	/U
PENTACHLOROPHENOL		UG/KG	NA		<1,020	/U	<866	/U	<884	/U	NA		<1,030	/U
PHENANTHRENE		UG/KG	NA		<406	/U	<346	/U	<354	/U	NA		<412	/U
PHENOL		UG/KG	NA		<406	/U	<346	/U	<354	/U	NA		<412	/U
PYRENE		UG/KG	NA		<406	/U	<346	/U	<354	/U	NA		<412	/U

Table C3.4
LEHR Environmental Restoration
Analytical Results For BI

Semivolatile Organics by CLP

Location Date	Background Level	UNITS	LEHR-SS-BG-0113 WA-6, 16'		LEHR-SS-BG-0114 WA-6, 20'		LEHR-SS-BG-0115 WA-6, 30'		LEHR-SS-BG-0116 WA-6, 40'	
1,2,4-TRICHLOROBENZENE		UG/KG	NA		<382	/U	NA		<396	/U
1,2-DICHLOROBENZENE		UG/KG	NA		<382	/U	NA		<396	/U
1,3-DICHLOROBENZENE		UG/KG	NA		<382	/U	NA		<396	/U
1,4-DICHLOROBENZENE		UG/KG	NA		<382	/U	NA		<396	/U
2,4,5-TRICHLOROPHENOL		UG/KG	NA		<955	/U	NA		<989	/U
2,4,6-TRICHLOROPHENOL		UG/KG	NA		<382	/U	NA		<396	/U
2,4-DICHLOROPHENOL		UG/KG	NA		<382	/U	NA		<396	/U
2,4-DIMETHYLPHENOL		UG/KG	NA		<382	/U	NA		<396	/U
2,4-DINITROPHENOL		UG/KG	NA		<955	/U	NA		<989	/U
2,4-DINITROTOLUENE		UG/KG	NA		<382	/U	NA		<396	/U
2,6-DINITROTOLUENE		UG/KG	NA		<382	/U	NA		<396	/U
2-CHLORONAPHTHALENE		UG/KG	NA		<382	/U	NA		<396	/U
2-CHLOROPHENOL		UG/KG	NA		<382	/U	NA		<396	/U
2-METHYL-4,6-DINITROPHENO		UG/KG	NA		<955	/U	NA		<989	/U
2-METHYLNAPHTHALENE		UG/KG	NA		<382	/U	NA		<396	/U
2-NITROPHENOL		UG/KG	NA		<382	/U	NA		<396	/U
3,3'-DICHLOROBENZIDINE		UG/KG	NA		<382	/U	NA		<396	/U
4-BROMOPHENYL PHENYL ET		UG/KG	NA		<382	/U	NA		<396	/U
4-CHLORO-3-METHYL PHENOL		UG/KG	NA		<382	/U	NA		<396	/U
4-CHLOROANILINE		UG/KG	NA		<382	/U	NA		<396	/U
4-CHLOROPHENYL PHENYL ET		UG/KG	NA		<382	/U	NA		<396	/U
4-NITROPHENOL		UG/KG	NA		<955	/U	NA		<989	/U
ACENAPHTHENE		UG/KG	NA		<382	/U	NA		<396	/U
ACENAPHTHYLENE		UG/KG	NA		<382	/U	NA		<396	/U
ANTHRACENE		UG/KG	NA		<382	/U	NA		<396	/U
BENZO(A)ANTHRACENE		UG/KG	NA		<382	/U	NA		<396	/U
BENZO(A)PYRENE		UG/KG	NA		<382	/U	NA		<396	/U

Table C3.4
LEHR Environmental Restoration
Analytical Results For BI

Semivolatile Organics by CLP

Location Date	Background Level	UNITS	LEHR-SS-BG-0113 WA-6, 16'		LEHR-SS-BG-0114 WA-6, 20'		LEHR-SS-BG-0115 WA-6, 30'	LEHR-SS-BG-0116 WA-6, 40'	
BENZO(B)FLUORANTHENE		UG/KG	NA		<382	/U	NA	<396	/U
BENZO(GHI)PERYLENE		UG/KG	NA		<382	/U	NA	<396	/U
BENZO(K)FLUORANTHENE		UG/KG	NA		<382	/U	NA	<396	/U
BIS(2-CHLOROETHOXY)METHA		UG/KG	NA		<382	/U	NA	<396	/U
BIS(2-CHLOROETHYL) ETHER		UG/KG	NA		<382	/U	NA	<396	/U
BIS(2-CHLOROISOPROPYL)ET		UG/KG	NA		<382	/U	NA	<396	/U
BIS(2-ETHYLHEXYL)PHTHALAT		UG/KG	NA		<382	/U	NA	<396	/U
BUTYL BENZYL PHTHALATE		UG/KG	NA		<382	/U	NA	<396	/U
CARBAZOLE		UG/KG	NA		<382	UJc/U	NA	<396	UJc/U
CHRYSENE		UG/KG	NA		<382	/U	NA	<396	/U
DI-N-BUTYL PHTHALATE		UG/KG	NA		<382	/U	NA	<396	/U
DI-N-OCTYL PHTHALATE		UG/KG	NA		<382	/U	NA	<396	/U
DIBENZO(A,H)ANTHRACENE		UG/KG	NA		<382	/U	NA	<396	/U
DIBENZOFURAN		UG/KG	NA		<382	/U	NA	<396	/U
DIETHYL PHTHALATE		UG/KG	NA		<382	/U	NA	<396	/U
DIMETHYL PHTHALATE		UG/KG	NA		<382	/U	NA	<396	/U
FLUORANTHENE		UG/KG	NA		<382	/U	NA	<396	/U
FLUORENE		UG/KG	NA		<382	/U	NA	<396	/U
HEXACHLOROBENZENE		UG/KG	NA		<382	/U	NA	<396	/U
HEXACHLOROBUTADIENE		UG/KG	NA		<382	/U	NA	<396	/U
HEXACHLOROCYCLOPENTADI		UG/KG	NA		<382	/U	NA	<396	/U
HEXACHLOROETHANE		UG/KG	NA		<382	/U	NA	<396	/U
INDENO(1,2,3-C,D)PYRENE		UG/KG	NA		<382	/U	NA	<396	/U
ISOPHORONE		UG/KG	NA		<382	/U	NA	<396	/U
M-NITROANILINE		UG/KG	NA		<955	UJc/U	NA	<989	UJc/U
N-NITROSODIPHENYLAMINE		UG/KG	NA		<382	/U	NA	<396	/U
N-NITROSODIPROPYLAMINE		UG/KG	NA		<382	/U	NA	<396	/U

Table C3.4
LEHR Environmental Restoration
Analytical Results For BI

Semivolatile Organics by CLP

Location Date	Background Level	UNITS	LEHR-SS-BG-0113 WA-6, 16'		LEHR-SS-BG-0114 WA-6, 20'		LEHR-SS-BG-0115 WA-6, 30'	LEHR-SS-BG-0116 WA-6, 40'	
NAPHTHALENE		UG/KG	NA		<382	/U	NA	<396	/U
NITROBENZENE		UG/KG	NA		<382	/U	NA	<396	/U
O-CRESOL		UG/KG	NA		<382	/U	NA	<396	/U
O-NITROANILINE		UG/KG	NA		<955	/U	NA	<989	/U
P-CRESOL		UG/KG	NA		<382	/U	NA	<396	/U
P-NITROANILINE		UG/KG	NA		<955	/U	NA	<989	/U
PENTACHLOROPHENOL		UG/KG	NA		<955	/U	NA	<989	/U
PHENANTHRENE		UG/KG	NA		<382	/U	NA	<396	/U
PHENOL		UG/KG	NA		<382	/U	NA	<396	/U
PYRENE		UG/KG	NA		<382	/U	NA	<396	/U

Table C3.4
LEHR Environmental Restoration
Analytical Results For BI

Semivolatile Organics by CLP

Location Date	Background Level	UNITS	LEHR-WS-BG-0001 Rinsate, '		LEHR-WS-BK-0002 Rinsate, '	
1,2,4-TRICHLOROBENZENE		UG/L	<10.5	/U	<9.9	/U
1,2-DICHLOROBENZENE		UG/L	<10.5	/U	<9.9	/U
1,3-DICHLOROBENZENE		UG/L	<10.5	/U	<9.9	/U
1,4-DICHLOROBENZENE		UG/L	<10.5	/U	<9.9	/U
2,4,5-TRICHLOROPHENOL		UG/L	<26.3	/U	<24.8	/U
2,4,6-TRICHLOROPHENOL		UG/L	<10.5	/U	<9.9	/U
2,4-DICHLOROPHENOL		UG/L	<10.5	/U	<9.9	/U
2,4-DIMETHYLPHENOL		UG/L	<10.5	/U	<9.9	/U
2,4-DINITROPHENOL		UG/L	<26.3	/U	<24.8	/U
2,4-DINITROTOLUENE		UG/L	<10.5	/U	<9.9	/U
2,6-DINITROTOLUENE		UG/L	<10.5	/U	<9.9	/U
2-CHLORONAPHTHALENE		UG/L	<10.5	/U	<9.9	/U
2-CHLOROPHENOL		UG/L	<10.5	/U	<9.9	/U
2-METHYL-4,6-DINITROPHENO		UG/L	<26.3	/U	<24.8	/U
2-METHYLNAPHTHALENE		UG/L	<10.5	/U	<9.9	/U
2-NITROPHENOL		UG/L	<10.5	/U	<9.9	/U
3,3'-DICHLOROBENZIDINE		UG/L	<10.5	/U	<9.9	/U
4-BROMOPHENYL PHENYL ET		UG/L	<10.5	/U	<9.9	/U
4-Chloro-3-Methylphenol		UG/L	<10.5	/U	<9.9	/U
4-CHLOROANILINE		UG/L	<10.5	/U	<9.9	/U
4-CHLOROPHENYL PHENYL ET		UG/L	<10.5	/U	<9.9	/U
4-NITROPHENOL		UG/L	<26.3	/U	<24.8	/U
ACENAPHTHENE		UG/L	<10.5	/U	<9.9	/U
ACENAPHTHYLENE		UG/L	<10.5	/U	<9.9	/U
ANTHRACENE		UG/L	<10.5	/U	<9.9	/U
BENZO(A)ANTHRACENE		UG/L	<10.5	/U	<9.9	/U

Table C3.4
LEHR Environmental Restoration
Analytical Results For BI

Semivolatile Organics by CLP

Location Date	Background Level	UNITS	LEHR-WS-BG-0001 Rinsate, '		LEHR-WS-BK-0002 Rinsate, '	
BENZO(A)PYRENE		UG/L	<10.5	/U	<9.9	/U
BENZO(B)FLUORANTHENE		UG/L	<10.5	/U	<9.9	/U
Benzo(g,h,i)perylene		UG/L	<10.5	/U	<9.9	/U
BENZO(K)FLUORANTHENE		UG/L	<10.5	/U	<9.9	/U
BIS(2-CHLOROETHOXY)METHA		UG/L	<10.5	/U	<9.9	/U
Bis(2-Chloroethyl)ether		UG/L	<10.5	/U	<9.9	/U
BIS(2-CHLOROISOPROPYL)ET		UG/L	<10.5	/U	<9.9	/U
BIS(2-ETHYLHEXYL)PHTHALAT		UG/L	<10.5	/U	<9.9	/U
BUTYL BENZYL PHTHALATE		UG/L	<10.5	/U	<9.9	/U
CARBAZOLE		UG/L	<10.5	/U	<9.9	/U
CHRYSENE		UG/L	<10.5	/U	<9.9	/U
Di-n-Butylphthalate		UG/L	<10.5	/U	<9.9	/U
Di-n-Octylphthalate		UG/L	<10.5	/U	<9.9	/U
DIBENZO(A,H)ANTHRACENE		UG/L	<10.5	/U	<9.9	/U
DIBENZOFURAN		UG/L	<10.5	/U	<9.9	/U
DIETHYL PHTHALATE		UG/L	<10.5	/U	<9.9	/U
DIMETHYL PHTHALATE		UG/L	<10.5	/U	<9.9	/U
FLUORANTHENE		UG/L	<10.5	/U	<9.9	/U
FLUORENE		UG/L	<10.5	/U	<9.9	/U
HEXACHLOROBENZENE		UG/L	<10.5	/U	<9.9	/U
HEXACHLOROBUTADIENE		UG/L	<10.5	/U	<9.9	/U
HEXACHLOROCYCLOPENTADI		UG/L	<10.5	/U	<9.9	/U
HEXACHLOROETHANE		UG/L	<10.5	/U	<9.9	/U
Indeno(1,2,3-cd)pyrene		UG/L	<10.5	/U	<9.9	/U
ISOPHORONE		UG/L	<10.5	/U	<9.9	/U
M-NITROANILINE		UG/L	<26.3	/U	<24.8	/U

Table C3.4
LEHR Environmental Restoration
Analytical Results For BI

Semivolatile Organics by CLP

Location Date	Background Level	UNITS	LEHR-WS-BG-0001 Rinsate, '		LEHR-WS-BK-0002 Rinsate, '	
N-NITROSODIPHENYLAMINE		UG/L	<10.5	/U	<9.9	/U
N-NITROSODIPROPYLAMINE		UG/L	<10.5	/U	<9.9	/U
NAPHTHALENE		UG/L	<10.5	/U	<9.9	/U
NITROBENZENE		UG/L	<10.5	/U	<9.9	/U
O-CRESOL		UG/L	<10.5	/U	<9.9	/U
O-NITROANILINE		UG/L	<26.3	/U	<24.8	/U
P-CRESOL		UG/L	<10.5	/U	<9.9	/U
P-NITROANILINE		UG/L	<26.3	/U	<24.8	/U
PENTACHLOROPHENOL		UG/L	<26.3	/U	<24.8	/U
PHENANTHRENE		UG/L	<10.5	/U	<9.9	/U
PHENOL		UG/L	<10.5	/U	<9.9	/U
PYRENE		UG/L	<10.5	/U	<9.9	/U

Table C3.4
LEHR Environmental Restoration
Analytical Results For BI

Table Specifiers:

The following descriptions provide a brief explanation of codes used in association with the sample ids.

WS= Ground water sample
FD= Field Duplicate
= Shading indicates that the measured concentration is above background

Data Validation Qualifier Definitions:

The following definitions provide brief explanations of the data validation qualifiers assigned to results in the data review process.

U = The analyte was analyzed for, but was not detected above the reported sample quantitation limit.
J = The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.
N = The analysis indicates the presence of an analyte for which there is presumptive evidence to make a "tentative identification".
NJ = The analysis indicates the presence of an analyte that has been "tentatively identified" and the associated numerical value represents its approximate concentration.
UJ = The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.
R = The sample results are rejected due to serious deficiencies in the ability to analyze the sample and meet quality control criteria. The presence or absence of the analyte cannot be verified.

Data Validation Reason Code Definitions:

The following descriptions provide brief explanation of the cause for qualification of the results determined in the data review process. These reason codes are used in combination with data qualifier, i.e. "Uz" indicated the analyte is non-detect due to method blank contamination.

c = Calibration failure; poor or unstable response.
d = Matrix duplicate imprecision or matrix spike/matrix spike duplicate imprecision.
f = Field replicate or duplicate imprecision.
h = Holding time violation.
i = Internal standard failure.
l = Laboratory control sample (LCS) recovery failure.
m = Matrix spike/matrix spike duplicate (MS/MSD) recovery failure.
s = Surrogate spike recovery failure.
z = Method blank contamination.
/ = Validation Qualifier / Lab Qualifier.

Table C3.4
LEHR Environmental Restoration
Analytical Results For BI

Table Specifiers:

The following descriptions provide a brief explanation of codes used in association with the sample ids.

WS= Ground water sample
FD= Field Duplicate
= Shading indicates that the measured concentration is above background

Data Validation Qualifier Definitions:

The following definitions provide brief explanations of the data validation qualifiers assigned to results in the data review process.

U = The analyte was analyzed for, but was not detected above the reported sample quantitation limit.
J = The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.
N = The analysis indicates the presence of an analyte for which there is presumptive evidence to make a "tentative identification".
NJ = The analysis indicates the presence of an analyte that has been "tentatively identified" and the associated numerical value represents its approximate concentration.
UJ = The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.
R = The sample results are rejected due to serious deficiencies in the ability to analyze the sample and meet quality control criteria. The presence or absence of the analyte cannot be verified.

Data Validation Reason Code Definitions:

The following descriptions provide brief explanation of the cause for qualification of the results determined in the data review process. These reason codes are used in combination with data qualifier, i.e. "Uz" indicated the analyte is non-detect due to method blank contamination.

c = Calibration failure; poor or unstable response.
d = Matrix duplicate imprecision or matrix spike/matrix spike duplicate imprecision.
f = Field replicate or duplicate imprecision.
h = Holding time violation.
i = Internal standard failure.
l = Laboratory control sample (LCS) recovery failure.
m = Matrix spike/matrix spike duplicate (MS/MSD) recovery failure.
s = Surrogate spike recovery failure.
z = Method blank contamination.
/ = Validation Qualifier / Lab Qualifier.
B = Analyte was detected in the associated method blank.
E = Concentration exceeds calibration range.
P = Concentrations between the two GC columns are greater than 25% difference.
N= Spiked sample recovery not within control limits.
* = Duplicate analysis not within control limit.

Table C3.5
LEHR Environmental Restoration
Analytical Results For BI

Volatile Organics by CLP

	Background Level	UNITS	LEHR-SS-BG-0065 WA-1, 0'		LEHR-SS-BG-0066 WA-1, 4'		LEHR-SS-BG-0067 WA-1, 8'	LEHR-SS-BG-0068 WA-1, 12'		LEHR-SS-BG-0069 WA-1, 16'	LEHR-SS-BG-0070 WA-1, 20'	
1,1,1-TRICHLOROETHANE		UG/KG	<12	/U	<12	/U	NA	<12	/U	NA	<12	/U
1,1,2,2-TETRACHLOROETHANE		UG/KG	<12	/U	<12	/U	NA	<12	/U	NA	<12	/U
1,1,2-TRICHLOROETHANE		UG/KG	<12	/U	<12	/U	NA	<12	/U	NA	<12	/U
1,1-DICHLOROETHANE		UG/KG	<12	/U	<12	/U	NA	<12	/U	NA	<12	/U
1,1-DICHLOROETHYLENE		UG/KG	<12	/U	<12	/U	NA	<12	/U	NA	<12	/U
1,2-DICHLOROETHANE		UG/KG	<12	/U	<12	/U	NA	<12	/U	NA	<12	/U
1,2-DICHLOROETHYLENE		UG/KG	<12	/U	<12	/U	NA	<12	/U	NA	<12	/U
1,2-DICHLOROPROPANE		UG/KG	<12	/U	<12	/U	NA	<12	/U	NA	<12	/U
1,2-TRANS-DICHLOROETHYLENE		UG/KG	NA		<12	/U	NA	NA		NA	NA	
2-BUTANONE		UG/KG	<12	/U	<12	/U	NA	<12	/U	NA	<12	/U
2-HEXANONE		UG/KG	<12	/U	<12	/U	NA	<12	/U	NA	<12	/U
4-METHYL-2-PENTANONE		UG/KG	<12	/U	<12	/U	NA	<12	/U	NA	<12	/U
ACETONE		UG/KG	4	UJz/J	<12	/U	NA	<12	/U	NA	<12	/U
BENZENE		UG/KG	<12	/U	<12	/U	NA	<12	/U	NA	<12	/U
BROMOFORM		UG/KG	<12	/U	<12	/U	NA	<12	/U	NA	<12	/U
CARBON DISULFIDE		UG/KG	<12	/U	<12	/U	NA	<12	/U	NA	<12	/U
CARBON TETRACHLORIDE		UG/KG	<12	/U	<12	/U	NA	<12	/U	NA	<12	/U
CHLOROBENZENE		UG/KG	<12	/U	<12	/U	NA	<12	/U	NA	<12	/U
CHLORODIBROMOMETHANE		UG/KG	<12	/U	<12	/U	NA	<12	/U	NA	<12	/U
CHLOROETHANE		UG/KG	<12	UJc/U	<12	UJc/U	NA	<12	UJc/U	NA	<12	UJc/U
CHLOROFORM		UG/KG	<12	/U	<12	/U	NA	<12	/U	NA	<12	/U
CIS-1,3-DICHLOROPROPYLENE		UG/KG	<12	/U	<12	/U	NA	<12	/U	NA	<12	/U
DICHLOROBROMOMETHANE		UG/KG	<12	/U	<12	/U	NA	<12	/U	NA	<12	/U
ETHYLBENZENE		UG/KG	<12	/U	<12	/U	NA	<12	/U	NA	<12	/U
METHYL BROMIDE		UG/KG	<12	/U	<12	/U	NA	<12	/U	NA	<12	/U
METHYL CHLORIDE		UG/KG	<12	/U	<12	/U	NA	<12	/U	NA	<12	/U

Table C3.5
LEHR Environmental Restoration
Analytical Results For BI

Volatile Organics by CLP

	Background Level	UNITS	LEHR-SS-BG-0065 WA-1, 0'		LEHR-SS-BG-0066 WA-1, 4'		LEHR-SS-BG-0067 WA-1, 8'	LEHR-SS-BG-0068 WA-1, 12'		LEHR-SS-BG-0069 WA-1, 16'	LEHR-SS-BG-0070 WA-1, 20'	
METHYLENE CHLORIDE		UG/KG	11	UJz/JB	8	UJz/B	NA	4	UJz/JB	NA	<12	/U
STYRENE		UG/KG	<12	/U	<12	/U	NA	<12	/U	NA	<12	/U
TETRACHLOROETHYLENE		UG/KG	<12	/U	<12	/U	NA	<12	/U	NA	<12	/U
TOLUENE		UG/KG	<12	/U	2	J/J	NA	<12	/U	NA	<12	/U
TRANS-1,3-DICHLOROPROPYLE		UG/KG	<12	/U	<12	/U	NA	<12	/U	NA	<12	/U
TRICHLOROETHYLENE		UG/KG	<12	/U	<12	/U	NA	<12	/U	NA	<12	/U
VINYL CHLORIDE		UG/KG	<12	/U	<12	/U	NA	<12	/U	NA	<12	/U
XYLENES (TOTAL)		UG/KG	<12	/U	2	UJz/JB	NA	<12	/U	NA	<12	/U

Table C3.5
LEHR Environmental Restoration
Analytical Results For BI

Volatile Organics by CLP

	Background Level	UNITS	LEHR-SS-BG-0071 WA-1, 30.5 '		LEHR-SS-BG-0072 WA-1, 36.5'		LEHR-SS-BG-0073 WA-2, 0'		LEHR-SS-BG-0074 WA-2, 4'		LEHR-SS-BG-0075 WA-2, 8'	LEHR-SS-BG-0076 WA-2, 12'	
1,1,1-TRICHLOROETHANE		UG/KG	NA	<12	/U	<10	/U	<11	/U	NA	<12	/U
1,1,2,2-TETRACHLOROETHANE		UG/KG	NA	<12	/U	<10	/U	<11	/U	NA	<12	/U
1,1,2-TRICHLOROETHANE		UG/KG	NA	<12	/U	<10	/U	<11	/U	NA	<12	/U
1,1-DICHLOROETHANE		UG/KG	NA	<12	/U	<10	/U	<11	/U	NA	<12	/U
1,1-DICHLOROETHYLENE		UG/KG	NA	<12	/U	<10	/U	<11	/U	NA	<12	/U
1,2-CIS-DICHLOROETHYLENE		UG/KG	NA	NA		NA		<11	/U	NA	NA	
1,2-DICHLOROETHANE		UG/KG	NA	<12	/U	<10	/U	<11	/U	NA	<12	/U
1,2-DICHLOROETHYLENE		UG/KG	NA	<12	/U	<10	/U	<11	/U	NA	<12	/U
1,2-DICHLOROPROPANE		UG/KG	NA	<12	/U	<10	/U	<11	/U	NA	<12	/U
1,2-TRANS-DICHLOROETHYLENE		UG/KG	NA	NA		NA		<11	/U	NA	NA	
2-BUTANONE		UG/KG	NA	<12	/U	<10	/U	<11	/U	NA	<12	/U
2-HEXANONE		UG/KG	NA	<12	/U	<10	/U	<11	/U	NA	<12	/U
4-METHYL-2-PENTANONE		UG/KG	NA	<12	/U	<10	/U	<11	/U	NA	<12	/U
ACETONE		UG/KG	NA	5	UJz/J	9	UJz/J	19	UJz/	NA	8	UJz/J
BENZENE		UG/KG	NA	<12	/U	<10	/U	<11	/U	NA	<12	/U
BROMOFORM		UG/KG	NA	<12	/U	<10	/U	<11	/U	NA	<12	/U
CARBON DISULFIDE		UG/KG	NA	<12	/U	<10	/U	<11	/U	NA	<12	/U
CARBON TETRACHLORIDE		UG/KG	NA	<12	/U	<10	/U	<11	/U	NA	<12	/U
CHLOROBENZENE		UG/KG	NA	<12	/U	<10	/U	<11	/U	NA	<12	/U
CHLORODIBROMOMETHANE		UG/KG	NA	<12	/U	<10	/U	<11	/U	NA	<12	/U
CHLOROETHANE		UG/KG	NA	<12	UJc/U	<10	UJc/U	<11	/U	NA	<12	UJc/U
CHLOROFORM		UG/KG	NA	<12	/U	<10	/U	<11	/U	NA	<12	/U
CIS-1,3-DICHLOROPROPYLENE		UG/KG	NA	<12	/U	<10	/U	<11	/U	NA	<12	/U
DICHLOROBROMOMETHANE		UG/KG	NA	<12	/U	<10	/U	<11	/U	NA	<12	/U
ETHYLBENZENE		UG/KG	NA	<12	/U	<10	/U	<11	/U	NA	<12	/U
METHYL BROMIDE		UG/KG	NA	<12	/U	<10	/U	<11	/U	NA	<12	/U

Table C3.5
LEHR Environmental Restoration
Analytical Results For BI

Volatile Organics by CLP

	Background Level	UNITS	LEHR-SS-BG-0071 WA-1, 30.5'		LEHR-SS-BG-0072 WA-1, 36.5'		LEHR-SS-BG-0073 WA-2, 0'		LEHR-SS-BG-0074 WA-2, 4'		LEHR-SS-BG-0075 WA-2, 8'	LEHR-SS-BG-0076 WA-2, 12'	
METHYL CHLORIDE		UG/KG	NA		<12	/U	<10	/U	<11	/U	NA	<12	/U
METHYLENE CHLORIDE		UG/KG	NA		4	UJz/JB	<10	/U	8	UJz/JB	NA	5	UJz/JB
STYRENE		UG/KG	NA		<12	/U	<10	/U	<11	/U	NA	<12	/U
TETRACHLOROETHYLENE		UG/KG	NA		<12	/U	<10	/U	<11	/U	NA	<12	/U
TOLUENE		UG/KG	NA		<12	/U	0.4	J/J	<11	/U	NA	<12	/U
TRANS-1,3-DICHLOROPROPYLE		UG/KG	NA		<12	/U	<10	/U	<11	/U	NA	<12	/U
TRICHLOROETHYLENE		UG/KG	NA		<12	/U	<10	/U	<11	/U	NA	<12	/U
VINYL CHLORIDE		UG/KG	NA		<12	/U	<10	/U	<11	/U	NA	<12	/U
XYLENES (TOTAL)		UG/KG	NA		<12	/U	0.3	UJz/JB	<11	/U	NA	<12	/U

Table C3.5
LEHR Environmental Restoration
Analytical Results For BI

Volatile Organics by CLP

	Background Level	UNITS	LEHR-SS-BG-0077 WA-2, 16'		LEHR-SS-BG-0078 WA-2, 20'		LEHR-SS-BG-0079 WA-2, 34'	LEHR-SS-BG-0080 WA-2, (FD), 31.5'		LEHR-SS-BG-0081 WA-2, 40'		LEHR-SS-BG-0082 WA-3, 0'	
1,1,1-TRICHLOROETHANE		UG/KG	NA	<12	/U	NA	NA	<13	/U	<10	/U
1,1,2,2-TETRACHLOROETHANE		UG/KG	NA	<12	/U	NA	NA	<13	/U	<10	/U
1,1,2-TRICHLOROETHANE		UG/KG	NA	<12	/U	NA	NA	<13	/U	<10	/U
1,1-DICHLOROETHANE		UG/KG	NA	<12	/U	NA	NA	<13	/U	<10	/U
1,1-DICHLOROETHYLENE		UG/KG	NA	<12	/U	NA	NA	<13	/U	<10	/U
1,2-DICHLOROETHANE		UG/KG	NA	<12	/U	NA	NA	<13	/U	<10	/U
1,2-DICHLOROETHYLENE		UG/KG	NA	<12	/U	NA	NA	<13	/U	<10	/U
1,2-DICHLOROPROPANE		UG/KG	NA	<12	/U	NA	NA	<13	/U	<10	/U
2-BUTANONE		UG/KG	NA	<12	/U	NA	NA	<13	/U	<10	/U
2-HEXANONE		UG/KG	NA	<12	/U	NA	NA	<13	/U	<10	/U
4-METHYL-2-PENTANONE		UG/KG	NA	<12	/U	NA	NA	<13	/U	<10	/U
ACETONE		UG/KG	NA	6	UJz/J	NA	NA	<13	/U	18	UJz/
BENZENE		UG/KG	NA	<12	/U	NA	NA	<13	/U	<10	/U
BROMOFORM		UG/KG	NA	<12	/U	NA	NA	<13	/U	<10	/U
CARBON DISULFIDE		UG/KG	NA	<12	/U	NA	NA	<13	/U	<10	/U
CARBON TETRACHLORIDE		UG/KG	NA	<12	/U	NA	NA	<13	/U	<10	/U
CHLOROBENZENE		UG/KG	NA	<12	/U	NA	NA	<13	/U	<10	/U
CHLORODIBROMOMETHANE		UG/KG	NA	<12	/U	NA	NA	<13	/U	<10	/U
CHLOROETHANE		UG/KG	NA	<12	UJc/U	NA	NA	<13	/U	<10	/U
CHLOROFORM		UG/KG	NA	<12	/U	NA	NA	<13	/U	<10	/U
CIS-1,3-DICHLOROPROPYLENE		UG/KG	NA	<12	/U	NA	NA	<13	/U	<10	/U
DICHLOROBROMOMETHANE		UG/KG	NA	<12	/U	NA	NA	<13	/U	<10	/U
ETHYLBENZENE		UG/KG	NA	<12	/U	NA	NA	<13	/U	<10	/U
METHYL BROMIDE		UG/KG	NA	<12	/U	NA	NA	<13	/U	<10	/U
METHYL CHLORIDE		UG/KG	NA	<12	/U	NA	NA	<13	/U	<10	/U
METHYLENE CHLORIDE		UG/KG	NA	4	UJz/JB	NA	NA	6	UJz/JB	9	UJz/JB

Table C3.5
LEHR Environmental Restoration
Analytical Results For BI

Volatile Organics by CLP

	Background Level	UNITS	LEHR-SS-BG-0077 WA-2, 16'	LEHR-SS-BG-0078 WA-2, 20'		LEHR-SS-BG-0079 WA-2, 34'	LEHR-SS-BG-0080 WA-2, (FD), 31.5'	LEHR-SS-BG-0081 WA-2, 40'		LEHR-SS-BG-0082 WA-3, 0'	
STYRENE		UG/KG	NA	<12	/U	NA	NA	<13	/U	<10	/U
TETRACHLOROETHYLENE		UG/KG	NA	<12	/U	NA	NA	<13	/U	<10	/U
TOLUENE		UG/KG	NA	<12	/U	NA	NA	<13	/U	<10	/U
TRANS-1,3-DICHLOROPROPYLE		UG/KG	NA	<12	/U	NA	NA	<13	/U	<10	/U
TRICHLOROETHYLENE		UG/KG	NA	<12	/U	NA	NA	<13	/U	<10	/U
VINYL CHLORIDE		UG/KG	NA	<12	/U	NA	NA	<13	/U	<10	/U
XYLENES (TOTAL)		UG/KG	NA	<12	/U	NA	NA	<13	/U	<10	/U

Table C3.5
LEHR Environmental Restoration
Analytical Results For BI

Volatile Organics by CLP

	Background Level	UNITS	LEHR-SS-BG-0083 WA-3, 4 '		LEHR-SS-BG-0084 WA-3, 8'	LEHR-SS-BG-0085 WA-3, 12'		LEHR-SS-BG-0086 WA-3, 16'	LEHR-SS-BG-0087 WA-3, 20'		LEHR-SS-BG-0088 WA-3, (FD), 22'	
1,1,1-TRICHLOROETHANE		UG/KG	<11	/U	NA	<12	/U	NA	<11	/U	<11	/U
1,1,2,2-TETRACHLOROETHANE		UG/KG	<11	/U	NA	<12	/U	NA	<11	/U	<11	/U
1,1,2-TRICHLOROETHANE		UG/KG	<11	/U	NA	<12	/U	NA	<11	/U	<11	/U
1,1-DICHLOROETHANE		UG/KG	<11	/U	NA	<12	/U	NA	<11	/U	<11	/U
1,1-DICHLOROETHYLENE		UG/KG	<11	/U	NA	<12	/U	NA	<11	/U	<11	/U
1,2-DICHLOROETHANE		UG/KG	<11	/U	NA	<12	/U	NA	<11	/U	<11	/U
1,2-DICHLOROETHYLENE		UG/KG	<11	/U	NA	<12	/U	NA	<11	/U	<11	/U
1,2-DICHLOROPROPANE		UG/KG	<11	/U	NA	<12	/U	NA	<11	/U	<11	/U
2-BUTANONE		UG/KG	<11	/U	NA	<12	/U	NA	<11	/U	<11	/U
2-HEXANONE		UG/KG	<11	/U	NA	<12	/U	NA	<11	/U	<11	/U
4-METHYL-2-PENTANONE		UG/KG	<11	/U	NA	<12	/U	NA	<11	/U	<11	/U
ACETONE		UG/KG	<11	/U	NA	9	UJz/J	NA	6	UJz/J	7	UJz/J
BENZENE		UG/KG	<11	/U	NA	<12	/U	NA	<11	/U	<11	/U
BROMOFORM		UG/KG	<11	/U	NA	<12	/U	NA	<11	/U	<11	/U
CARBON DISULFIDE		UG/KG	<11	/U	NA	<12	/U	NA	<11	/U	<11	/U
CARBON TETRACHLORIDE		UG/KG	<11	/U	NA	<12	/U	NA	<11	/U	<11	/U
CHLOROBENZENE		UG/KG	<11	/U	NA	<12	/U	NA	<11	/U	<11	/U
CHLORODIBROMOMETHANE		UG/KG	<11	/U	NA	<12	/U	NA	<11	/U	<11	/U
CHLOROETHANE		UG/KG	<11	UJc/U	NA	<12	/U	NA	<11	/U	<11	/U
CHLOROFORM		UG/KG	<11	/U	NA	<12	/U	NA	<11	/U	<11	/U
CIS-1,3-DICHLOROPROPYLENE		UG/KG	<11	/U	NA	<12	/U	NA	<11	/U	<11	/U
DICHLOROBROMOMETHANE		UG/KG	<11	/U	NA	<12	/U	NA	<11	/U	<11	/U
ETHYLBENZENE		UG/KG	<11	/U	NA	<12	/U	NA	<11	/U	<11	/U
METHYL BROMIDE		UG/KG	<11	/U	NA	<12	/U	NA	<11	/U	<11	/U
METHYL CHLORIDE		UG/KG	<11	/U	NA	<12	/U	NA	<11	/U	<11	/U
METHYLENE CHLORIDE		UG/KG	5	UJz/JB	NA	6	UJz/JB	NA	3	UJz/JB	2	UJz/JB

Table C3.5
LEHR Environmental Restoration
Analytical Results For BI

Volatile Organics by CLP

	Background Level	UNITS	LEHR-SS-BG-0083 WA-3, 4 '		LEHR-SS-BG-0084 WA-3, 8'	LEHR-SS-BG-0085 WA-3, 12'		LEHR-SS-BG-0086 WA-3, 16'	LEHR-SS-BG-0087 WA-3, 20'		LEHR-SS-BG-0088 WA-3, (FD), 22'	
STYRENE		UG/KG	<11	/U	NA	<12	/U	NA	<11	/U	<11	/U
TETRACHLOROETHYLENE		UG/KG	<11	/U	NA	<12	/U	NA	<11	/U	<11	/U
TOLUENE		UG/KG	<11	/U	NA	<12	/U	NA	<11	/U	<11	/U
TRANS-1,3-DICHLOROPROPYLE		UG/KG	<11	/U	NA	<12	/U	NA	<11	/U	<11	/U
TRICHLOROETHYLENE		UG/KG	<11	/U	NA	<12	/U	NA	<11	/U	<11	/U
VINYL CHLORIDE		UG/KG	<11	/U	NA	<12	/U	NA	<11	/U	<11	/U
XYLENES (TOTAL)		UG/KG	<11	/U	NA	<12	/U	NA	<11	/U	<11	/U

Table C3.5
LEHR Environmental Restoration
Analytical Results For BI

Volatile Organics by CLP

	Background Level	UNITS	LEHR-SS-BG-0089 WA-3, 30'		LEHR-SS-BG-0090 WA-3, 40'		LEHR-SS-BG-0091 WA-4, 0'		LEHR-SS-BG-0092 WA-4, 4'		LEHR-SS-BG-0093 WA-4, 8'		LEHR-SS-BG-0094 WA-4, 12'	
1,1,1-TRICHLOROETHANE		UG/KG	NA	<12	/U	<10	UJi/U	<10	/U	NA		<12	/U
1,1,2,2-TETRACHLOROETHANE		UG/KG	NA	<12	/U	<10	UJi/U	0.6	UJ/J	NA		<12	/U
1,1,2-TRICHLOROETHANE		UG/KG	NA	<12	/U	<10	UJi/U	<10	/U	NA		<12	/U
1,1-DICHLOROETHANE		UG/KG	NA	<12	/U	<10	UJi/U	<10	/U	NA		<12	/U
1,1-DICHLOROETHYLENE		UG/KG	NA	<12	/U	<10	UJi/U	<10	/U	NA		<12	/U
1,2-DICHLOROETHANE		UG/KG	NA	<12	/U	<10	UJi/U	<10	/U	NA		<12	/U
1,2-DICHLOROETHYLENE		UG/KG	NA	<12	/U	<10	UJi/U	<10	/U	NA		<12	/U
1,2-DICHLOROPROPANE		UG/KG	NA	<12	/U	<10	UJi/U	<10	/U	NA		<12	/U
2-BUTANONE		UG/KG	NA	<12	/U	<10	UJi/U	6	UJ/J	NA		<12	/U
2-HEXANONE		UG/KG	NA	<12	/U	<10	UJi/U	<10	/U	NA		<12	/U
4-METHYL-2-PENTANONE		UG/KG	NA	<12	/U	<10	UJi/U	<10	/U	NA		<12	/U
ACETONE		UG/KG	NA	<12	/U	21	UJzi/	<10	/U	NA		<12	/U
BENZENE		UG/KG	NA	<12	/U	<10	UJi/U	<10	/U	NA		<12	/U
BROMOFORM		UG/KG	NA	<12	/U	<10	UJi/U	<10	/U	NA		<12	/U
CARBON DISULFIDE		UG/KG	NA	<12	/U	<10	UJi/U	<10	/U	NA		<12	/U
CARBON TETRACHLORIDE		UG/KG	NA	<12	/U	<10	UJi/U	<10	/U	NA		<12	/U
CHLOROBENZENE		UG/KG	NA	<12	/U	<10	UJi/U	<10	/U	NA		<12	/U
CHLORODIBROMOMETHANE		UG/KG	NA	<12	/U	<10	UJi/U	<10	/U	NA		<12	/U
CHLOROETHANE		UG/KG	NA	<12	UJc/U	<10	UJi/U	<10	/U	NA		<12	/U
CHLOROFORM		UG/KG	NA	<12	/U	<10	UJi/U	<10	/U	NA		<12	/U
CIS-1,3-DICHLOROPROPYLENE		UG/KG	NA	<12	/U	<10	UJi/U	<10	/U	NA		<12	/U
DICHLOROBROMOMETHANE		UG/KG	NA	<12	/U	<10	UJi/U	<10	/U	NA		<12	/U
ETHYLBENZENE		UG/KG	NA	<12	/U	<10	UJi/U	<10	/U	NA		<12	/U
METHYL BROMIDE		UG/KG	NA	<12	/U	<10	UJi/U	<10	/U	NA		<12	/U
METHYL CHLORIDE		UG/KG	NA	<12	/U	<10	UJi/U	<10	/U	NA		<12	/U
METHYLENE CHLORIDE		UG/KG	NA	6	UJz/JB	4	UJzi/JB	2	UJz/JB	NA		2	UJz/JB

Table C3.5
LEHR Environmental Restoration
Analytical Results For BI

Volatile Organics by CLP

	Background Level	UNITS	LEHR-SS-BG-0089 WA-3, 30'		LEHR-SS-BG-0090 WA-3, 40'		LEHR-SS-BG-0091 WA-4, 0'		LEHR-SS-BG-0092 WA-4, 4'		LEHR-SS-BG-0093 WA-4, 8'	LEHR-SS-BG-0094 WA-4, 12'	
STYRENE		UG/KG	NA		<12	/U	<10	UJi/U	<10	/U	NA	<12	/U
TETRACHLOROETHYLENE		UG/KG	NA		<12	/U	<10	UJi/U	6	J/J	NA	<12	/U
TOLUENE		UG/KG	NA		<12	/U	<10	UJi/U	<10	/U	NA	<12	/U
TRANS-1,3-DICHLOROPROPYLE		UG/KG	NA		<12	/U	<10	UJi/U	<10	/U	NA	<12	/U
TRICHLOROETHYLENE		UG/KG	NA		<12	/U	<10	UJi/U	<10	/U	NA	<12	/U
VINYL CHLORIDE		UG/KG	NA		<12	/U	<10	UJi/U	<10	/U	NA	<12	/U
XYLENES (TOTAL)		UG/KG	NA		<12	/U	<10	UJi/U	<10	/U	NA	<12	/U

Table C3.5
LEHR Environmental Restoration
Analytical Results For BI

Volatile Organics by CLP

	Background Level	UNITS	LEHR-SS-BG-0095 WA-4, (FD), 13'		LEHR-SS-BG-0096 WA-4, 16'	LEHR-SS-BG-0097 WA-4, 20'		LEHR-SS-BG-0098 WA-4, 30'	LEHR-SS-BG-0099 WA-4, 40'		LEHR-SS-BG-0100 WA-5, 0'	
1,1,1-TRICHLOROETHANE		UG/KG	<12	/U	NA	<11	/U	NA	<12	/U	<11	/U
1,1,2,2-TETRACHLOROETHANE		UG/KG	<12	/U	NA	<11	/U	NA	<12	/U	<11	/U
1,1,2-TRICHLOROETHANE		UG/KG	<12	/U	NA	<11	/U	NA	<12	/U	<11	/U
1,1-DICHLOROETHANE		UG/KG	<12	/U	NA	<11	/U	NA	<12	/U	<11	/U
1,1-DICHLOROETHYLENE		UG/KG	<12	/U	NA	<11	/U	NA	<12	/U	<11	/U
1,2-DICHLOROETHANE		UG/KG	<12	/U	NA	<11	/U	NA	<12	/U	<11	/U
1,2-DICHLOROETHYLENE		UG/KG	<12	/U	NA	<11	/U	NA	<12	/U	<11	/U
1,2-DICHLOROPROPANE		UG/KG	<12	/U	NA	<11	/U	NA	<12	/U	<11	/U
2-BUTANONE		UG/KG	<12	/U	NA	<11	/U	NA	<12	/U	<11	/U
2-HEXANONE		UG/KG	<12	/U	NA	<11	/U	NA	<12	/U	<11	/U
4-METHYL-2-PENTANONE		UG/KG	<12	/U	NA	<11	/U	NA	<12	/U	<11	/U
ACETONE		UG/KG	9	UJz/J	NA	8	UJz/J	NA	18	UJz/	<11	/U
BENZENE		UG/KG	<12	/U	NA	<11	/U	NA	<12	/U	<11	/U
BROMOFORM		UG/KG	<12	/U	NA	<11	/U	NA	<12	/U	<11	/U
CARBON DISULFIDE		UG/KG	<12	/U	NA	<11	/U	NA	<12	/U	<11	/U
CARBON TETRACHLORIDE		UG/KG	<12	/U	NA	<11	/U	NA	<12	/U	<11	/U
CHLOROBENZENE		UG/KG	<12	/U	NA	<11	/U	NA	<12	/U	<11	/U
CHLORODIBROMOMETHANE		UG/KG	<12	/U	NA	<11	/U	NA	<12	/U	<11	/U
CHLOROETHANE		UG/KG	<12	/U	NA	<11	UJc/U	NA	<12	/U	<11	UJc/U
CHLOROFORM		UG/KG	<12	/U	NA	<11	/U	NA	<12	/U	<11	/U
CIS-1,3-DICHLOROPROPYLENE		UG/KG	<12	/U	NA	<11	/U	NA	<12	/U	<11	/U
DICHLOROBROMOMETHANE		UG/KG	<12	/U	NA	<11	/U	NA	<12	/U	<11	/U
ETHYLBENZENE		UG/KG	<12	/U	NA	<11	/U	NA	<12	/U	<11	/U
METHYL BROMIDE		UG/KG	<12	/U	NA	<11	/U	NA	<12	/U	<11	/U
METHYL CHLORIDE		UG/KG	<12	/U	NA	<11	/U	NA	<12	/U	<11	/U
METHYLENE CHLORIDE		UG/KG	2	UJz/JB	NA	13	UJz/B	NA	3	UJz/JB	7	UJz/JB

Table C3.5
LEHR Environmental Restoration
Analytical Results For BI

Volatile Organics by CLP

	Background Level	UNITS	LEHR-SS-BG-0095 WA-4, (FD), 13'		LEHR-SS-BG-0096 WA-4, 16'	LEHR-SS-BG-0097 WA-4, 20'		LEHR-SS-BG-0098 WA-4, 30'	LEHR-SS-BG-0099 WA-4, 40'		LEHR-SS-BG-0100 WA-5, 0'	
STYRENE		UG/KG	<12	/U	NA	<11	/U	NA	<12	/U	<11	/U
TETRACHLOROETHYLENE		UG/KG	<12	/U	NA	<11	/U	NA	<12	/U	<11	/U
TOLUENE		UG/KG	<12	/U	NA	<11	/U	NA	<12	/U	<11	/U
TRANS-1,3-DICHLOROPROPYLE		UG/KG	<12	/U	NA	<11	/U	NA	<12	/U	<11	/U
TRICHLOROETHYLENE		UG/KG	<12	/U	NA	<11	/U	NA	<12	/U	<11	/U
VINYL CHLORIDE		UG/KG	<12	/U	NA	<11	/U	NA	<12	/U	<11	/U
XYLENES (TOTAL)		UG/KG	<12	/U	NA	<11	/U	NA	<12	/U	<11	/U

Table C3.5
LEHR Environmental Restoration
Analytical Results For BI

Volatile Organics by CLP

	Background Level	UNITS	LEHR-SS-BG-0101 WA-5, 4'		LEHR-SS-BG-0102 WA-5, 8'	LEHR-SS-BG-0103 WA-5, 12'		LEHR-SS-BG-0104 WA-5, 16'	LEHR-SS-BG-0105 WA-5, 20'		LEHR-SS-BG-0106 WA-5, (FD), 21.5'	
1,1,1-TRICHLOROETHANE		UG/KG	<12	/U	NA	<12	/U	NA	<12	/U	<12	/U
1,1,2,2-TETRACHLOROETHANE		UG/KG	<12	/U	NA	<12	/U	NA	<12	/U	<12	/U
1,1,2-TRICHLOROETHANE		UG/KG	<12	/U	NA	<12	/U	NA	<12	/U	<12	/U
1,1-DICHLOROETHANE		UG/KG	<12	/U	NA	<12	/U	NA	<12	/U	<12	/U
1,1-DICHLOROETHYLENE		UG/KG	<12	/U	NA	<12	/U	NA	<12	/U	<12	/U
1,2-DICHLOROETHANE		UG/KG	<12	/U	NA	<12	/U	NA	<12	/U	<12	/U
1,2-DICHLOROETHYLENE		UG/KG	<12	/U	NA	<12	/U	NA	<12	/U	<12	/U
1,2-DICHLOROPROPANE		UG/KG	<12	/U	NA	<12	/U	NA	<12	/U	<12	/U
2-BUTANONE		UG/KG	<12	/U	NA	<12	/U	NA	<12	/U	<12	/U
2-HEXANONE		UG/KG	<12	/U	NA	<12	/U	NA	<12	/U	<12	/U
4-METHYL-2-PENTANONE		UG/KG	<12	/U	NA	<12	/U	NA	<12	/U	<12	/U
ACETONE		UG/KG	<12	/U	NA	10	UJz/J	NA	9	UJz/J	7	UJz/J
BENZENE		UG/KG	<12	/U	NA	<12	/U	NA	<12	/U	<12	/U
BROMOFORM		UG/KG	<12	/U	NA	<12	/U	NA	<12	/U	<12	/U
CARBON DISULFIDE		UG/KG	<12	/U	NA	<12	/U	NA	<12	/U	<12	/U
CARBON TETRACHLORIDE		UG/KG	<12	/U	NA	<12	/U	NA	<12	/U	<12	/U
CHLOROBENZENE		UG/KG	<12	/U	NA	<12	/U	NA	<12	/U	<12	/U
CHLORODIBROMOMETHANE		UG/KG	<12	/U	NA	<12	/U	NA	<12	/U	<12	/U
CHLOROETHANE		UG/KG	<12	UJc/U	NA	<12	UJc/U	NA	<12	UJc/U	<12	UJc/U
CHLOROFORM		UG/KG	<12	/U	NA	<12	/U	NA	<12	/U	<12	/U
CIS-1,3-DICHLOROPROPYLENE		UG/KG	<12	/U	NA	<12	/U	NA	<12	/U	<12	/U
DICHLOROBROMOMETHANE		UG/KG	<12	/U	NA	<12	/U	NA	<12	/U	<12	/U
ETHYLBENZENE		UG/KG	<12	/U	NA	<12	/U	NA	<12	/U	<12	/U
METHYL BROMIDE		UG/KG	<12	/U	NA	<12	/U	NA	<12	/U	<12	/U
METHYL CHLORIDE		UG/KG	<12	/U	NA	<12	/U	NA	<12	/U	<12	/U
METHYLENE CHLORIDE		UG/KG	11	UJz/JB	NA	7	UJz/JB	NA	11	UJz/JB	9	UJz/JB

Table C3.5
LEHR Environmental Restoration
Analytical Results For BI

Volatile Organics by CLP

	Background Level	UNITS	LEHR-SS-BG-0101 WA-5, 4'		LEHR-SS-BG-0102 WA-5, 8'	LEHR-SS-BG-0103 WA-5, 12'		LEHR-SS-BG-0104 WA-5, 16'	LEHR-SS-BG-0105 WA-5, 20'		LEHR-SS-BG-0106 WA-5, (FD), 21.5'	
STYRENE		UG/KG	<12	/U	NA	<12	/U	NA	<12	/U	<12	/U
TETRACHLOROETHYLENE		UG/KG	<12	/U	NA	<12	/U	NA	<12	/U	<12	/U
TOLUENE		UG/KG	<12	/U	NA	<12	/U	NA	<12	/U	<12	/U
TRANS-1,3-DICHLOROPROPYLE		UG/KG	<12	/U	NA	<12	/U	NA	<12	/U	<12	/U
TRICHLOROETHYLENE		UG/KG	<12	/U	NA	<12	/U	NA	<12	/U	<12	/U
VINYL CHLORIDE		UG/KG	<12	/U	NA	<12	/U	NA	<12	/U	<12	/U
XYLENES (TOTAL)		UG/KG	<12	/U	NA	<12	/U	NA	<12	/U	<12	/U

Table C3.5
LEHR Environmental Restoration
Analytical Results For BI

Volatile Organics by CLP

	Background Level	UNITS	LEHR-SS-BG-0107 WA-5, 30'		LEHR-SS-BG-0108 WA-5, 40'		LEHR-SS-BG-0109 WA-6, 0'		LEHR-SS-BG-0110 WA-6, 4'		LEHR-SS-BG-0111 WA-6, 8'	LEHR-SS-BG-0112 WA-6, 12'	
1,1,1-TRICHLOROETHANE		UG/KG	NA	<12	/U	<10	/U	<11	/U	NA	<12	/U
1,1,2,2-TETRACHLOROETHANE		UG/KG	NA	<12	/U	<10	/U	<11	/U	NA	<12	/U
1,1,2-TRICHLOROETHANE		UG/KG	NA	<12	/U	<10	/U	<11	/U	NA	<12	/U
1,1-DICHLOROETHANE		UG/KG	NA	<12	/U	<10	/U	<11	/U	NA	<12	/U
1,1-DICHLOROETHYLENE		UG/KG	NA	<12	/U	<10	/U	<11	/U	NA	<12	/U
1,2-DICHLOROETHANE		UG/KG	NA	<12	/U	<10	/U	<11	/U	NA	<12	/U
1,2-DICHLOROETHYLENE		UG/KG	NA	<12	/U	<10	/U	<11	/U	NA	<12	/U
1,2-DICHLOROPROPANE		UG/KG	NA	<12	/U	<10	/U	<11	/U	NA	<12	/U
2-BUTANONE		UG/KG	NA	<12	/U	<10	/U	<11	/U	NA	<12	/U
2-HEXANONE		UG/KG	NA	<12	/U	<10	/U	<11	/U	NA	<12	/U
4-METHYL-2-PENTANONE		UG/KG	NA	<12	/U	<10	/U	<11	/U	NA	<12	/U
ACETONE		UG/KG	NA	<12	/U	<10	/U	12	UJz/	NA	15	UJz/
BENZENE		UG/KG	NA	<12	/U	<10	/U	<11	/U	NA	<12	/U
BROMOFORM		UG/KG	NA	<12	/U	<10	/U	<11	/U	NA	<12	/U
CARBON DISULFIDE		UG/KG	NA	<12	/U	<10	/U	<11	/U	NA	<12	/U
CARBON TETRACHLORIDE		UG/KG	NA	<12	/U	<10	/U	<11	/U	NA	<12	/U
CHLOROBENZENE		UG/KG	NA	<12	/U	<10	/U	1	J/J	NA	<12	/U
CHLORODIBROMOMETHANE		UG/KG	NA	<12	/U	<10	/U	<11	/U	NA	<12	/U
CHLOROETHANE		UG/KG	NA	<12	UJc/U	<10	UJc/U	<11	UJc/U	NA	<12	UJc/U
CHLOROFORM		UG/KG	NA	<12	/U	<10	/U	<11	/U	NA	<12	/U
CIS-1,3-DICHLOROPROPYLENE		UG/KG	NA	<12	/U	<10	/U	<11	/U	NA	<12	/U
DICHLOROBROMOMETHANE		UG/KG	NA	<12	/U	<10	/U	<11	/U	NA	<12	/U
ETHYLBENZENE		UG/KG	NA	<12	/U	<10	/U	<11	/U	NA	<12	/U
METHYL BROMIDE		UG/KG	NA	<12	/U	<10	/U	<11	/U	NA	<12	/U
METHYL CHLORIDE		UG/KG	NA	<12	/U	<10	/U	<11	/U	NA	<12	/U
METHYLENE CHLORIDE		UG/KG	NA	11	UJz/JB	10	UJz/JB	9	UJz/JB	NA	11	UJz/JB

Table C3.5
LEHR Environmental Restoration
Analytical Results For BI

Volatile Organics by CLP

	Background Level	UNITS	LEHR-SS-BG-0107 WA-5, 30 '		LEHR-SS-BG-0108 WA-5, 40'		LEHR-SS-BG-0109 WA-6, 0'		LEHR-SS-BG-0110 WA-6, 4'		LEHR-SS-BG-0111 WA-6, 8'	LEHR-SS-BG-0112 WA-6, 12'	
STYRENE		UG/KG	NA		<12	/U	<10	/U	<11	/U	NA	<12	/U
TETRACHLOROETHYLENE		UG/KG	NA		<12	/U	<10	/U	<11	/U	NA	<12	/U
TOLUENE		UG/KG	NA		<12	/U	<10	/U	<11	/U	NA	<12	/U
TRANS-1,3-DICHLOROPROPYLE		UG/KG	NA		<12	/U	<10	/U	<11	/U	NA	<12	/U
TRICHLOROETHYLENE		UG/KG	NA		<12	/U	<10	/U	<11	/U	NA	<12	/U
VINYL CHLORIDE		UG/KG	NA		<12	/U	<10	/U	<11	/U	NA	<12	/U
XYLENES (TOTAL)		UG/KG	NA		<12	/U	<10	/U	<11	/U	NA	<12	/U

Table C3.5
LEHR Environmental Restoration
Analytical Results For BI

Volatile Organics by CLP

Location Date	Background Level	UNITS	LEHR-SS-BG-0113 WA-6, 16'		LEHR-SS-BG-0114 WA-6, 20'		LEHR-SS-BG-0115 WA-6, 30'		LEHR-SS-BG-0116 WA-6, 40'	
1,1,1-TRICHLOROETHANE		UG/KG	NA	<12	/U	NA	<12	/U
1,1,2,2-TETRACHLOROETHANE		UG/KG	NA	<12	/U	NA	<12	/U
1,1,2-TRICHLOROETHANE		UG/KG	NA	<12	/U	NA	<12	/U
1,1-DICHLOROETHANE		UG/KG	NA	<12	/U	NA	<12	/U
1,1-DICHLOROETHYLENE		UG/KG	NA	<12	/U	NA	<12	/U
1,2-DICHLOROETHANE		UG/KG	NA	<12	/U	NA	<12	/U
1,2-DICHLOROETHYLENE		UG/KG	NA	<12	/U	NA	<12	/U
1,2-DICHLOROPROPANE		UG/KG	NA	<12	/U	NA	<12	/U
2-BUTANONE		UG/KG	NA	<12	/U	NA	<12	/U
2-HEXANONE		UG/KG	NA	<12	/U	NA	<12	/U
4-METHYL-2-PENTANONE		UG/KG	NA	<12	/U	NA	<12	/U
ACETONE		UG/KG	NA	<12	/U	NA	<12	/U
BENZENE		UG/KG	NA	<12	/U	NA	<12	/U
BROMOFORM		UG/KG	NA	<12	/U	NA	<12	/U
CARBON DISULFIDE		UG/KG	NA	<12	/U	NA	<12	/U
CARBON TETRACHLORIDE		UG/KG	NA	<12	/U	NA	<12	/U
CHLOROBENZENE		UG/KG	NA	<12	/U	NA	<12	/U
CHLORODIBROMOMETHANE		UG/KG	NA	<12	/U	NA	<12	/U
CHLOROETHANE		UG/KG	NA	<12	UJc/U	NA	<12	UJc/U
CHLOROFORM		UG/KG	NA	<12	/U	NA	<12	/U
CIS-1,3-DICHLOROPROPYLENE		UG/KG	NA	<12	/U	NA	<12	/U
DICHLOROBROMOMETHANE		UG/KG	NA	<12	/U	NA	<12	/U
ETHYLBENZENE		UG/KG	NA	<12	/U	NA	<12	/U
METHYL BROMIDE		UG/KG	NA	<12	/U	NA	<12	/U
METHYL CHLORIDE		UG/KG	NA	<12	/U	NA	<12	/U
METHYLENE CHLORIDE		UG/KG	NA	6	UJz/JB	NA	3	UJz/JB
STYRENE		UG/KG	NA	<12	/U	NA	<12	/U

Table C3.5
LEHR Environmental Restoration
Analytical Results For BI

Volatile Organics by CLP

Location Date	Background Level	UNITS	LEHR-SS-BG-0113 WA-6, 16 '		LEHR-SS-BG-0114 WA-6, 20'		LEHR-SS-BG-0115 WA-6, 30'		LEHR-SS-BG-0116 WA-6, 40'	
TETRACHLOROETHYLENE		UG/KG	NA		<12	/U	NA		<12	/U
TOLUENE		UG/KG	NA		0.9	J/J	NA		<12	/U
TRANS-1,3-DICHLOROPROPYL		UG/KG	NA		<12	/U	NA		<12	/U
TRICHLOROETHYLENE		UG/KG	NA		<12	/U	NA		<12	/U
VINYL CHLORIDE		UG/KG	NA		<12	/U	NA		<12	/U
XYLENES (TOTAL)		UG/KG	NA		1	UJz/J	NA		<12	/U

Table C3.5
LEHR Environmental Restoration
Analytical Results For Bl

Table Specifiers:

The following descriptions provide a brief explanation of codes used in association with the sample ids.

WS= Ground water sample
FD= Field Duplicate
= Shading indicates that the measured concentration is above background

Data Validation Qualifier Definitions:

The following definitions provide brief explanations of the data validation qualifiers assigned to results in the data review process.

U = The analyte was analyzed for, but was not detected above the reported sample quantitation limit.
J = The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.
N = The analysis indicates the presence of an analyte for which there is presumptive evidence to make a "tentative identification".
NJ = The analysis indicates the presence of an analyte that has been "tentatively identified" and the associated numerical value represents its approximate concentration.
UJ = The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.
R = The sample results are rejected due to serious deficiencies in the ability to analyze the sample and meet quality control criteria. The presence or absence of the analyte cannot be verified.

Data Validation Reason Code Definitions:

The following descriptions provide brief explanation of the cause for qualification of the results determined in the data review process. These reason codes are used in combination with data qualifier, i.e. "Uz" indicated the analyte is non-detect due to method blank contamination.

c = Calibration failure; poor or unstable response.
d = Matrix duplicate imprecision or matrix spike/matrix spike duplicate imprecision.
f = Field replicate or duplicate imprecision.
h = Holding time violation.
i = Internal standard failure.
l = Laboratory control sample (LCS) recovery failure.
m = Matrix spike/matrix spike duplicate (MS/MSD) recovery failure.
s = Surrogate spike recovery failure.
z = Method blank contamination.
/ = Validation Qualifier / Lab Qualifier.

Table C3.5
LEHR Environmental Restoration
Analytical Results For BI

Table Specifiers:

The following descriptions provide a brief explanation of codes used in association with the sample ids.

WS= Ground water sample
FD= Field Duplicate
= Shading indicates that the measured concentration is above background

Data Validation Qualifier Definitions:

The following definitions provide brief explanations of the data validation qualifiers assigned to results in the data review process.

U = The analyte was analyzed for, but was not detected above the reported sample quantitation limit.
J = The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.
N = The analysis indicates the presence of an analyte for which there is presumptive evidence to make a "tentative identification".
NJ = The analysis indicates the presence of an analyte that has been "tentatively identified" and the associated numerical value represents its approximate concentration.
UJ = The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.
R = The sample results are rejected due to serious deficiencies in the ability to analyze the sample and meet quality control criteria. The presence or absence of the analyte cannot be verified.

Data Validation Reason Code Definitions:

The following descriptions provide brief explanation of the cause for qualification of the results determined in the data review process. These reason codes are used in combination with data qualifier, i.e. "Uz" indicated the analyte is non-detect due to method blank contamination.

c = Calibration failure; poor or unstable response.
d = Matrix duplicate imprecision or matrix spike/matrix spike duplicate imprecision.
f = Field replicate or duplicate imprecision.
h = Holding time violation.
i = Internal standard failure.
l = Laboratory control sample (LCS) recovery failure.
m = Matrix spike/matrix spike duplicate (MS/MSD) recovery failure.
s = Surrogate spike recovery failure.
z = Method blank contamination.
/ = Validation Qualifier / Lab Qualifier.
B = Analyte was detected in the associated method blank.
E = Concentration exceeds calibration range.
P = Concentrations between the two GC columns are greater than 25% difference.
N= Spiked sample recovery not within control limits.
* = Duplicate analysis not within control limit.

Table C3.6
LEHR Environmental Restoration
Analytical Results For BI

RADs

Lab_chem	Background Levels	Units	LEHR-SS-BG-0065 WA-1, 0 '				LEHR-SS-BG-0066 WA-1, 4 '				LEHR-SS-BG-0067 WA-1, 8 '				LEHR-SS-BG-0068 WA-1, 12 '			
			Value		Uncert	MDA	Value		Uncert	MDA	Value		Uncert	MDA	Value		Uncert	MDA
ACTINIUM-228	0.64	PCI/G	**0.657**		0.101	0.0205	0.494		0.0674	0.0176	0.561		0.0775	0.0166	0.59		0.0814	0.0168
AMERICIUM-241	0.014	PCI/G	0.0099	JD/J	0.0057	0.0065	0.0022	UJd/U	0.0057	0.0095	0.0039	UJd/U	0.006	0.0101	-0.0016	UJd/U	0.0051	0.0098
BISMUTH-212	0.43	PCI/G	**0.452**		0.0844	0.0455	0.339		0.0555	0.038	0.377		0.0641	0.0356	0.337		0.0607	0.0355
BISMUTH-214	0.54	PCI/G	**0.688**		0.0813	0.0111	0.435		0.0513	0.0087	0.457		0.0517	0.0081	0.483		0.0553	0.0083
CARBON-14	0.13	PCI/G	0.0359	/U	0.0695	0.118	0.0754	/U	0.0699	0.118	0.0154	/U	0.063	0.107	-0.0046	/U	0.0674	0.116
CESIUM-137	0.012	PCI/G	**0.0376**		0.0075	0.0061	0.0078	/J	0.0037	0.0049	-0.0005	/U	0.003	0.0046	-0.0002	/U	0.0031	0.0047
COBALT-60	0.006	PCI/G	0.0006	/U	0.003	0.0062	-0.002	/U	0.0032	0.0054	0.0004	/U	0.003	0.0053	-0.0005	/U	0.0031	0.0053
GROSS ALPHA	8.7	PCI/G	5.78		1.65	1.29	3.43		1.35	1.33	7.16		1.82	0.859	6.8		1.78	1.33
LEAD-210	1.6	PCI/G	1.02		1.22	0.796	0.408	/U	0.497	0.791	-0.72	/U	0.548	0.844	1.14		0.613	0.713
LEAD-212	0.7	PCI/G	**0.979**		0.108	0.0104	0.524		0.0627	0.0082	0.612		0.0788	0.0081	0.619		0.0711	0.0077
LEAD-214	0.58	PCI/G	**0.928**		0.115	0.0117	0.497		0.0594	0.009	0.523		0.0643	0.0086	0.549		0.0649	0.0089
NONVOLATILE BETA	15	PCI/G	**15.3**		1.68	1.84	13.6		1.6	1.75	12.8		1.58	1.82	14.9		1.68	1.81
PLUTONIUM-241	0.5	PCI/G	0.0062	/U	0.295	0.502	0.149	/U	0.147	0.247	0.0017	/U	0.164	0.28	-0.0563	/U	0.155	0.267
POTASSIUM-40	14	PCI/G	**15.4**		1.64	0.0456	12.8		1.28	0.0414	12.3		1.34	0.0385	11.6		1.19	0.0414
RADIUM-226	0.75	PCI/G	0.496		0.0767	0.0284	0.48		0.0761	0.0352	0.596		0.13	0.0562	0.564		0.0842	0.0297
RADIUM-228	0.64	PCI/G	**0.657**		0.101	0.0205	0.494		0.0674	0.0176	0.561		0.0775	0.0166	0.59		0.0814	0.0168
STRONTIUM-90	0.056	PCI/G	0.044	/J	0.0169	0.0223	0.047	/J	0.0171	0.0223	0.027	/J	0.0183	0.0247	0.0363	/J	0.016	0.0212
THALLIUM-208	0.22	PCI/G	**0.248**		0.0285	0.0058	0.164		0.019	0.0045	0.191		0.0208	0.0044	0.183		0.0204	0.0046
THORIUM-234	0.78	PCI/G	**1.07**		0.376	0.265	0.566		0.258	0.216	0.537		0.258	0.218	0.626		0.24	0.218
TRITIUM	1.2	PCI/G	0.497	/U	0.641	1.08	0.239	/U	0.61	1.04	0.458	/U	0.594	0.996	0.23	/U	0.588	1
URANIUM-235	0.039	PCI/G	0.0165		0.0045	0.0027	0.0193		0.0052	0.0034	0.0284		0.0065	0.0038	0.0255		0.0057	0.0022
WEIGHT OF SAMPLE, A		MG	37.5		NA	0.0	43.7		NA	0.0	55.8		NA	0.0	42.5		NA	0.0
WEIGHT OF SAMPLE, SR		MG	5.9		NA	0.0	5.9		NA	0.0	5.4		NA	0.0	6.3		NA	0.0

Table C3.6
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Analytical Results For BI

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Lab_chem	Background Levels	Units	LEHR-SS-BG-0069 WA-1, 16'				LEHR-SS-BG-0070 WA-1, 20'				LEHR-SS-BG-0071 WA-1, 30.5'				LEHR-SS-BG-0072 WA-1, 36.5'			
			Value		Uncert	MDA	Value		Uncert	MDA	Value		Uncert	MDA	Value		Uncert	MDA
ACTINIUM-228	0.64	PCI/G	0.608		0.0831	0.0179	0.593		0.083	0.0176	0.523		0.0757	0.0161	0.602		0.0869	0.0175
AMERICIUM-241	0.014	PCI/G	0.0041	UJd/U	0.0055	0.0092	-0.0007	UJd/U	0.0074	0.0131	-0.0003	UJd/U	0.0047	0.0087	0.004	UJd/U	0.0085	0.0139
BISMUTH-212	0.43	PCI/G	0.428		0.0666	0.0382	0.43		0.0668	0.0364	0.325		0.0529	0.0342	0.403		0.0664	0.0371
BISMUTH-214	0.54	PCI/G	0.513		0.058	0.0089	0.486		0.0574	0.0083	0.415		0.048	0.0079	0.475		0.0562	0.0086
CARBON-14	0.13	PCI/G	-0.0405	/U	0.0553	0.0965	0.0173	/U	0.061	0.104	-0.037	/U	0.0573	0.0991	0.0776	/U	0.0726	0.122
CESIUM-137	0.012	PCI/G	0.0001	/U	0.0032	0.0049	0.0008	/U	0.0031	0.0047	-0.002	/U	0.0028	0.0043	0.0007	/U	0.0033	0.0048
COBALT-60	0.006	PCI/G	-0.0028	/U	0.0032	0.0054	-0.0014	/U	0.0037	0.0053	-0.002	/U	0.0029	0.0049	0.0002	/U	0.0032	0.0054
GROSS ALPHA	8.7	PCI/G	7.14		1.72	1.18	6.31		1.99	2.56	6.75		1.84	1.83	**9.11**		2.06	1.29
LEAD-210	1.6	PCI/G	-1.03	/U	0.597	0.906	0.244	/U	0.668	0.701	1		0.85	0.971	0.662	/U	0.842	0.851
LEAD-212	0.7	PCI/G	0.653		0.0841	0.0094	0.655		0.0786	0.008	0.599		0.0689	0.0073	0.629		0.0696	0.008
LEAD-214	0.58	PCI/G	**0.598**		0.0736	0.0095	0.542		0.0646	0.0092	0.486		0.0582	0.0085	0.54		0.0635	0.0093
NONVOLATILE BETA	15	PCI/G	14.2		1.59	1.76	13.1		1.63	2	**15.3**		1.75	2.13	12.2		1.54	1.78
PLUTONIUM-241	0.5	PCI/G	0.14	/U	0.226	0.382	-0.17	/U	0.196	0.338	0.0676	/U	0.221	0.375	-0.021	/U	0.165	0.282
POTASSIUM-40	14	PCI/G	12.3		1.35	0.0412	11.6		1.19	0.0427	11.4		1.22	0.0388	12		1.28	0.0409
RADIUM-226	0.75	PCI/G	0.622		0.0924	0.0333	0.662		0.134	0.0608	0.526		0.0798	0.0291	0.546		0.088	0.0412
RADIUM-228	0.64	PCI/G	0.608		0.0831	0.0179	0.593		0.083	0.0176	0.523		0.0757	0.0161	0.602		0.0869	0.0175
STRONTIUM-90	0.056	PCI/G	0.0186	/U	0.0152	0.0207	0.0235	/U	0.0185	0.0251	0.0275	/J	0.0148	0.0198	0.0405	/J	0.0201	0.0268
THALLIUM-208	0.22	PCI/G	0.201		0.0218	0.005	0.205		0.0232	0.0047	0.19		0.0211	0.0042	0.196		0.0223	0.0047
THORIUM-234	0.78	PCI/G	0.582		0.304	0.24	0.626		0.24	0.205	**0.918**		0.356	0.233	**0.825**		0.303	0.245
TRITIUM	1.2	PCI/G	0.0	/U	0.588	1.02	0.0	/U	0.592	1.02	0.217	/U	0.557	0.944	0.0	/U	0.584	1.01
URANIUM-235	0.039	PCI/G	0.0232		0.0055	0.0023	0.0206		0.0054	0.0025	0.02		0.005	0.0031	0.0193		0.0052	0.003
WEIGHT OF SAMPLE, A		MG	40.1		NA	0.0	61.6		NA	0.0	67.8		NA	0.0	59.1		NA	0.0
WEIGHT OF SAMPLE, SR		MG	6.4		NA	0.0	6		NA	0.0	7.1		NA	0.0	5		NA	0.0

Table C3.6
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Lab_chem	Background Levels	Units	LEHR-SS-BG-0073 WA-2, 0 '				LEHR-SS-BG-0074 WA-2, 4 '				LEHR-SS-BG-0075 WA-2, 8 '				LEHR-SS-BG-0076 WA-2, 12 '			
			Value		Uncert	MDA	Value		Uncert	MDA	Value		Uncert	MDA	Value		Uncert	MDA
ACTINIUM-228	0.64	PCI/G	0.43		0.0613	0.0166	0.53		0.0735	0.0168	0.56		0.0754	0.0159	0.581		0.0832	0.0161
AMERICIUM-241	0.014	PCI/G	0.0016	UJd/U	0.0049	0.0089	0.0014	UJd/U	0.0032	0.0055	0.0027	UJd/U	0.0067	0.0118	0.0075	UJd/U	0.0057	0.0084
BISMUTH-212	0.43	PCI/G	0.317		0.0541	0.035	0.334		0.0622	0.0347	0.371		0.0615	0.0339	0.376		0.0597	0.0363
BISMUTH-214	0.54	PCI/G	0.416		0.0481	0.0083	0.476		0.0558	0.0082	0.427		0.0502	0.0078	0.493		0.0566	0.0079
CARBON-14	0.13	PCI/G	0.0624	/U	0.0564	0.0944	0.0349	/U	0.0609	0.103	0.0201	/U	0.0734	0.125	0.0748	/U	0.0691	0.116
CESIUM-137	0.012	PCI/G	**0.0468**		0.0064	0.0043	0.0053	/J	0.0043	0.0046	-0.0014	/U	0.0029	0.0043	-0.0038	/U	0.0027	0.0046
COBALT-60	0.006	PCI/G	0.0016	/U	0.003	0.0053	-0.0011	/U	0.003	0.0052	-0.0001	/U	0.0029	0.005	-0.002	/U	0.0035	0.0052
GROSS ALPHA	8.7	PCI/G	3.74		1.43	2	5.42		1.63	1.58	6.05		1.76	1.75	8.17		2.11	2.06
LEAD-210	1.6	PCI/G	0.227	/U	0.606	0.678	0.414	/U	0.7	0.726	0.414	/U	0.657	0.729	0.404	/U	0.953	0.979
LEAD-212	0.7	PCI/G	0.488		0.0564	0.0074	0.575		0.0651	0.0082	0.589		0.0703	0.0074	0.633		0.0727	0.0074
LEAD-214	0.58	PCI/G	0.473		0.0562	0.0087	0.548		0.0648	0.0087	0.499		0.0594	0.0084	0.548		0.065	0.0087
NONVOLATILE BETA	15	PCI/G	13.6		1.6	1.92	12.3		1.55	2.03	15		1.64	1.89	12.1		1.52	1.79
PLUTONIUM-241	0.5	PCI/G	0.145	/U	0.193	0.325	0.0963	/U	0.223	0.378	0.0539	/U	0.222	0.377	0.0565	/U	0.233	0.396
POTASSIUM-40	14	PCI/G	11.1		1.14	0.0408	11.9		1.26	0.0401	11.3		1.14	0.0357	11.8		1.26	0.0368
RADIUM-226	0.75	PCI/G	0.439		0.0762	0.0329	0.548		0.132	0.0681	0.546		0.0782	0.0298	0.574		0.0796	0.0294
RADIUM-228	0.64	PCI/G	0.43		0.0613	0.0166	0.53		0.0735	0.0168	0.56		0.0754	0.0159	0.581		0.0832	0.0161
STRONTIUM-90	0.056	PCI/G	0.0297	/J	0.0158	0.0212	0.0299	/J	0.0184	0.0248	**0.0801**		0.0308	0.0411	0.0248	/J	0.0161	0.0219
THALLIUM-208	0.22	PCI/G	0.147		0.0168	0.0044	0.174		0.0198	0.0045	0.184		0.0206	0.0043	0.185		0.0205	0.0043
THORIUM-234	0.78	PCI/G	0.514		0.226	0.209	0.659		0.235	0.213	0.614		0.242	0.215	0.634		0.287	0.241
TRITIUM	1.2	PCI/G	0.182	/U	0.464	0.791	0.408	/U	0.527	0.887	0.212	/U	0.543	0.922	0.692	/U	0.603	1.01
URANIUM-235	0.039	PCI/G	0.0221		0.005	0.0007	0.0271		0.006	0.0031	0.0241		0.0055	0.0026	0.0251		0.0057	0.0008
WEIGHT OF SAMPLE, A		MG	40.6		NA	0.0	49.2		NA	0.0	55.1		NA	0.0	57.3		NA	0.0
WEIGHT OF SAMPLE, SR		MG	7.2		NA	0.0	5.6		NA	0.0	33		NA	0.0	7		NA	0.0

Table C3.6
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Lab_chem	Background Levels	Units	LEHR-SS-BG-0077 WA-2, 16 '				LEHR-SS-BG-0078 WA-2, 20 '				LEHR-SS-BG-0079 WA-2, 34 '				LEHR-SS-BG-0080 WA-2, (FD), 31.5 '			
			Value		Uncert	MDA	Value		Uncert	MDA	Value		Uncert	MDA	Value		Uncert	MDA
ACTINIUM-228	0.64	PCI/G	0.552		0.0768	0.0167	0.597		0.0867	0.0177	0.535		0.0732	0.0157	0.519		0.073	0.018
AMERICIUM-241	0.014	PCI/G	0.0021	UJd/U	0.0042	0.0069	0.0025	UJd/U	0.0034	0.0053	0.0041	UJd/U	0.005	0.0083	-0.004	UJd/U	0.0053	0.0107
BISMUTH-212	0.43	PCI/G	0.346		0.0562	0.0364	0.374		0.0626	0.0348	0.335		0.0534	0.0343	0.305		0.0544	0.0364
BISMUTH-214	0.54	PCI/G	0.488		0.0562	0.0083	0.5		0.0573	0.0083	0.454		0.0511	0.0076	0.402		0.0475	0.0083
CARBON-14	0.13	PCI/G	-0.0053	/U	0.06	0.103	-0.0117	/U	0.066	0.114	0.0092	/U	0.0629	0.107	-0.0018	/U	0.0608	0.104
CESIUM-137	0.012	PCI/G	-0.0006	/U	0.0032	0.0047	0.0015	/U	0.003	0.0047	-0.0008	/U	0.0027	0.0043	-0.0005	/U	0.0031	0.0047
COBALT-60	0.006	PCI/G	-0.0014	/U	0.0032	0.0054	-0.0018	/U	0.003	0.0052	-0.0001	/U	0.0028	0.0049	-0.0002	/U	0.0032	0.0054
GROSS ALPHA	8.7	PCI/G	8.2		1.94	1.81	**9.91**		2.36	2.33	6.12		1.67	1.08	6.28		1.78	1.54
LEAD-210	1.6	PCI/G	0.606	/U	0.725	0.726	0.856	/U	1.03	1.04	-1.28	/U	0.483	0.811	0.834		0.475	0.669
LEAD-212	0.7	PCI/G	0.617		0.0709	0.0078	0.665		0.0763	0.0077	0.6		0.0772	0.0073	0.534		0.0641	0.0078
LEAD-214	0.58	PCI/G	0.538		0.0638	0.009	0.57		0.0679	0.0088	0.514		0.0632	0.0082	0.45		0.054	0.0088
NONVOLATILE BETA	15	PCI/G	**20.4**		1.86	1.87	**15.1**		1.61	1.65	13.4		1.49	1.52	13.8		1.58	1.74
PLUTONIUM-241	0.5	PCI/G	0.137	/U	0.198	0.334	-0.0045	/U	0.211	0.359	0.0058	/U	0.157	0.218	-0.0572	/U	0.163	0.279
POTASSIUM-40	14	PCI/G	11		1.13	0.0422	11.9		1.27	0.0384	11.7		1.28	0.0353	11.3		1.17	0.0447
RADIUM-226	0.75	PCI/G	0.659		0.0955	0.0295	0.638		0.0939	0.0426	0.209		0.052	0.0297	0.528		0.12	0.0576
RADIUM-228	0.64	PCI/G	0.552		0.0768	0.0167	0.597		0.0867	0.0177	0.535		0.0732	0.0157	0.519		0.073	0.018
STRONTIUM-90	0.056	PCI/G	0.0426	/J	0.0152	0.02	0.0268	/J	0.0173	0.0233	0.0258	/J	0.0162	0.0218	0.0253	/J	0.0154	0.0207
THALLIUM-208	0.22	PCI/G	0.197		0.0218	0.0046	0.204		0.0227	0.0045	0.183		0.0201	0.0041	0.173		0.0197	0.0046
THORIUM-234	0.78	PCI/G	0.547		0.261	0.224	0.535		0.316	0.249	0.719		0.297	0.212	0.688		0.253	0.206
TRITIUM	1.2	PCI/G	0.452	/U	0.582	0.982	-3.91	/U	0.472	1	0.463	/U	0.599	1.01	0.225	/U	0.578	0.98
URANIUM-235	0.039	PCI/G	0.0193		0.0064	0.0062	0.0216		0.0052	0.0008	0.0209		0.0053	0.0023	0.0188		0.0048	0.0029
WEIGHT OF SAMPLE, A		MG	38.8		NA	0.0	70.1		NA	0.0	60.2		NA	0.0	53.5		NA	0.0
WEIGHT OF SAMPLE, SR		MG	6.9		NA	0.0	5.7		NA	0.0	6.4		NA	0.0	5.7		NA	0.0

Table C3.6
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Lab_chem	Background Levels	Units	LEHR-SS-BG-0081 WA-2, 40 '				LEHR-SS-BG-0082 WA-3, 0 '				LEHR-SS-BG-0083 WA-3, 4 '				LEHR-SS-BG-0084 WA-3, 8 '			
			Value		Uncert	MDA	Value		Uncert	MDA	Value		Uncert	MDA	Value		Uncert	MDA
ACTINIUM-228	0.64	PCI/G	0.447		0.0608	0.0141	0.486		0.0664	0.0166	0.574		0.0796	0.0188	0.588		0.0815	0.0162
AMERICIUM-241	0.014	PCI/G	-0.0006	UJ/U	0.0066	0.0129	0.0025	/U	0.0044	0.0077	0.0022	/U	0.0047	0.0085	-0.0023	/U	0.0072	0.0142
BISMUTH-212	0.43	PCI/G	0.303		0.0489	0.0308	0.3		0.0532	0.0356	0.362		0.0604	0.0394	0.363		0.0599	0.0341
BISMUTH-214	0.54	PCI/G	0.464		0.0541	0.0069	0.453		0.0534	0.0081	0.505		0.0569	0.0089	0.482		0.0564	0.008
CARBON-14	0.13	PCI/G	0.0175	/U	0.0642	0.109	0.0274	/U	0.0448	0.0758	0.0454	/U	0.0489	0.0824	-0.0298	/U	0.0562	0.097
CESIUM-137	0.012	PCI/G	0.0035	/U	0.0029	0.0039	**0.0422**		0.0065	0.0048	0.0059	/J	0.004	0.0052	-0.0012	/U	0.0029	0.0045
COBALT-60	0.006	PCI/G	0.0033	/U	0.0026	0.0046	-0.0014	/U	0.003	0.0051	-0.0047	/U	0.0033	0.0054	-0.0004	/U	0.0029	0.005
GROSS ALPHA	8.7	PCI/G	5.92		1.66	1.42	5.52		1.85	1.63	8.53		2.14	1.48	**10**		2.16	0.87
LEAD-210	1.6	PCI/G	0.439	/U	0.598	0.681	0.27	/U	0.626	0.762	-1.04	/U	0.602	0.908	0.466	/U	0.723	0.754
LEAD-212	0.7	PCI/G	0.503		0.0602	0.0068	0.538		0.0643	0.0076	0.626		0.0807	0.0083	0.631		0.0715	0.0085
LEAD-214	0.58	PCI/G	0.519		0.0614	0.0076	0.494		0.0591	0.0089	**0.586**		0.072	0.0094	0.57		0.067	0.0085
NONVOLATILE BETA	15	PCI/G	12.7		1.55	1.79	**15.3**		1.72	1.92	**16.4**		1.73	1.75	14.6		1.63	1.77
PLUTONIUM-241	0.5	PCI/G	0.069	/U	0.199	0.337	-0.128	/U	0.203	0.35	-0.0179	/U	0.215	0.367	-0.248	/U	0.239	0.415
POTASSIUM-40	14	PCI/G	9.61		0.963	0.0324	11.9		1.19	0.0381	12.1		1.32	0.0405	11.4		1.21	0.0386
RADIUM-226	0.75	PCI/G	0.483		0.0718	0.0275	0.536		0.0777	0.029	0.614		0.0875	0.0336	0.578		0.0818	0.0295
RADIUM-228	0.64	PCI/G	0.447		0.0608	0.0141	0.486		0.0664	0.0166	0.574		0.0796	0.0188	0.588		0.0815	0.0162
STRONTIUM-90	0.056	PCI/G	0.0435	/J	0.0133	0.0172	0.0374	/J	0.0207	0.0288	0.0208	/U	0.0203	0.0288	0.0073	/U	0.0212	0.0304
THALLIUM-208	0.22	PCI/G	0.156		0.0179	0.0038	0.17		0.0194	0.0045	0.193		0.0213	0.0047	0.189		0.0212	0.0048
THORIUM-234	0.78	PCI/G	0.632		0.265	0.196	0.636		0.266	0.221	0.73		0.332	0.235	0.562		0.256	0.219
TRITIUM	1.2	PCI/G	0.255	/U	0.653	1.11	0.17	/U	0.45	0.764	-0.0676	/U	0.498	0.851	0.0686	/U	0.511	0.864
URANIUM-235	0.039	PCI/G	0.0195		0.0049	0.0026	0.0241		0.0076	0.0016	0.0261		0.0077	0.0034	0.0211		0.0073	0.0038
WEIGHT OF SAMPLE, A		MG	41.5		NA	0.0	71.2		NA	0.0	88.9		NA	0.0	85.3		NA	0.0
WEIGHT OF SAMPLE, SR		MG	6.8		NA	0.0	4.5		NA	0.0	4.9		NA	0.0	4.8		NA	0.0

Table C3.6
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Analytical Results For BI

RADs

Lab_chem	Background Levels	Units	LEHR-SS-BG-0085 WA-3, 12 '				LEHR-SS-BG-0086 WA-3, 16 '				LEHR-SS-BG-0087 WA-3, 20 '				LEHR-SS-BG-0088 WA-3, (FD), 22 '			
			Value		Uncert	MDA	Value		Uncert	MDA	Value		Uncert	MDA	Value		Uncert	MDA
ACTINIUM-228	0.64	PCI/G	0.563		0.0815	0.0177	0.593		0.082	0.0156	0.614		0.0818	0.0141	0.594		0.0807	0.0165
AMERICIUM-241	0.014	PCI/G	-0.0014	/U	0.006	0.0124	0.0	/U	0.0067	0.0131	0.0047	/U	0.0052	0.0124	0.0027	/U	0.0039	0.0065
BISMUTH-212	0.43	PCI/G	0.384		0.0657	0.0376	0.393		0.0631	0.0326	0.41		0.0591	0.0305	0.352		0.0592	0.0342
BISMUTH-214	0.54	PCI/G	0.455		0.0539	0.009	0.448		0.0525	0.0076	0.459		0.0536	0.0072	0.433		0.0488	0.0081
CARBON-14	0.13	PCI/G	0.0582	/U	0.0608	0.102	0.0257	/U	0.0595	0.101	-0.0037	/U	0.0546	0.0936	-0.0141	/U	0.0537	0.0921
CESIUM-137	0.012	PCI/G	-0.0012	/U	0.0034	0.0048	-0.0048	/U	0.0026	0.0042	-0.002	/U	0.0026	0.0039	0.0015	/U	0.0029	0.0045
COBALT-60	0.006	PCI/G	-0.0033	/U	0.0032	0.0052	-0.0009	/U	0.0027	0.0047	0.0002	/U	0.0026	0.0045	-0.0024	/U	0.0029	0.0049
GROSS ALPHA	8.7	PCI/G	7.27		1.88	1.4	6.21		1.52	1.06	6.18		1.95	2.5	6.29		1.8	1.85
LEAD-210	1.6	PCI/G	0.546	/U	0.723	0.849	0.105	/U	0.715	0.711	0.428	/U	0.643	0.695	-0.876	/U	0.551	0.835
LEAD-212	0.7	PCI/G	0.605		0.0669	0.0079	0.629		0.0711	0.007	0.666		0.0793	0.007	0.648		0.0833	0.0073
LEAD-214	0.58	PCI/G	0.514		0.0606	0.0095	0.518		0.0609	0.0082	0.542		0.0639	0.0078	0.508		0.0625	0.0085
NONVOLATILE BETA	15	PCI/G	14.8		1.67	1.79	11		1.4	1.67	11.2		1.54	1.98	14.1		1.7	2.14
PLUTONIUM-241	0.5	PCI/G	-0.184	/U	0.208	0.36	-0.0621	/U	0.248	0.425	-0.191	/U	0.166	0.288	-0.118	/U	0.197	0.339
POTASSIUM-40	14	PCI/G	11.6		1.24	0.0436	11.6		1.23	0.036	11.8		1.18	0.0339	11.6		1.27	0.0374
RADIUM-226	0.75	PCI/G	0.542		0.0831	0.0374	0.594		0.0825	0.0316	0.636		0.0908	0.0298	0.61		0.0845	0.0294
RADIUM-228	0.64	PCI/G	0.563		0.0815	0.0177	0.593		0.082	0.0156	0.614		0.0818	0.0141	0.594		0.0807	0.0165
STRONTIUM-90	0.056	PCI/G	0.0134	/U	0.0199	0.0285	0.0106	/U	0.0183	0.0261	0.0001	/U	0.021	0.0304	0.0164	/U	0.0159	0.0225
THALLIUM-208	0.22	PCI/G	0.184		0.021	0.0048	0.193		0.0215	0.0045	0.204		0.0225	0.0039	0.192		0.0206	0.0045
THORIUM-234	0.78	PCI/G	0.521		0.262	0.246	0.613		0.264	0.208	**0.786**		0.267	0.202	0.58		0.258	0.217
TRITIUM	1.2	PCI/G	-0.286	/U	0.555	0.946	-0.212	/U	0.521	0.89	-0.251	/U	0.514	0.878	-0.151	/U	0.466	0.792
URANIUM-235	0.039	PCI/G	0.0231		0.0072	0.0015	0.0287		0.0084	0.0037	0.0243		0.0064	0.0034	0.0209		0.0061	0.004
WEIGHT OF SAMPLE, A		MG	50.4		NA	0.0	33.8		NA	0.0	58.2		NA	0.0	75.5		NA	0.0
WEIGHT OF SAMPLE, SR		MG	4.8		NA	0.0	4.9		NA	0.0	3.8		NA	0.0	5.4		NA	0.0

Table C3.6
LEHR Environmental Restoration
Analytical Results For BI

RADs

Lab_chem	Background Levels	Units	LEHR-SS-BG-0089 WA-3, 30 '				LEHR-SS-BG-0090 WA-3, 40 '				LEHR-SS-BG-0091 WA-4, 0 '				LEHR-SS-BG-0092 WA-4, 4 '			
			Value		Uncert	MDA	Value		Uncert	MDA	Value		Uncert	MDA	Value		Uncert	MDA
ACTINIUM-228	0.64	PCI/G	0.587		0.081	0.0167	0.488		0.07	0.0139	0.473		0.0669	0.0168	0.499		0.0707	0.0142
AMERICIUM-241	0.014	PCI/G	0.0015	/U	0.0046	0.0083	0.0107	/U	0.0087	0.0132	0.0078	/U	0.0064	0.0095	0.001	/U	0.0058	0.0108
BISMUTH-212	0.43	PCI/G	0.395		0.0613	0.0351	0.341		0.0542	0.0297	0.317		0.0585	0.0356	0.356		0.0559	0.0297
BISMUTH-214	0.54	PCI/G	0.441		0.0519	0.008	0.374		0.0442	0.007	0.393		0.046	0.0085	0.404		0.0461	0.007
CARBON-14	0.13	PCI/G	0.0517	/U	0.0552	0.0929	-0.0455	/U	0.0576	0.101	0.0114	/U	0.0425	0.0724	0.0674	/U	0.047	0.0784
CESIUM-137	0.012	PCI/G	0.0034	/U	0.003	0.0046	0.0033	/U	0.0027	0.0039	0.0638		0.0082	0.0049	0.0016	/U	0.0025	0.0039
COBALT-60	0.006	PCI/G	-0.0025	/U	0.0031	0.0051	0.0014	/U	0.0026	0.0044	-0.0031	/U	0.0031	0.0051	0.0004	/U	0.0024	0.0043
GROSS ALPHA	8.7	PCI/G	8.33		1.96	1.27	3.01		1.26	1.85	6.21		1.75	1.62	3.76		1.28	1.43
LEAD-210	1.6	PCI/G	0.326	/U	0.656	0.654	0.385	/U	0.388	0.726	0.363	/U	0.709	0.703	1.02		0.953	0.855
LEAD-212	0.7	PCI/G	0.657		0.0788	0.0075	0.515		0.057	0.0067	0.492		0.0568	0.0076	0.541		0.0622	0.0065
LEAD-214	0.58	PCI/G	0.5		0.0597	0.0085	0.43		0.0507	0.0074	0.46		0.055	0.009	0.472		0.0565	0.0073
NONVOLATILE BETA	15	PCI/G	13		1.58	1.78	8.56		1.36	1.9	11		1.55	2.13	10.2		1.44	1.9
PLUTONIUM-241	0.5	PCI/G	-0.154	/U	0.186	0.321	-0.0607	/U	0.188	0.321	-0.0737	/U	0.221	0.378	-0.182	/U	0.251	0.434
POTASSIUM-40	14	PCI/G	12.4		1.27	0.0428	10.9		1.15	0.0326	11.9		1.22	0.0411	10.8		1.15	0.0319
RADIUM-226	0.75	PCI/G	0.584		0.0815	0.0305	0.474		0.072	0.0279	0.512		0.107	0.0606	0.56		0.0856	0.034
RADIUM-228	0.64	PCI/G	0.587		0.081	0.0167	0.488		0.07	0.0139	0.473		0.0669	0.0168	0.499		0.0707	0.0142
STRONTIUM-90	0.056	PCI/G	-0.0006	/U	0.0122	0.0177	-0.0028	/U	0.0191	0.0279	0.027	/J	0.0145	0.0202	0.0177	/U	0.0139	0.0196
THALLIUM-208	0.22	PCI/G	0.198		0.0219	0.0044	0.164		0.0186	0.0038	0.148		0.0169	0.0046	0.163		0.0179	0.0039
THORIUM-234	0.78	PCI/G	0.683		0.254	0.195	0.591		0.253	0.206	0.551		0.254	0.214	0.7		0.272	0.212
TRITIUM	1.2	PCI/G	0.378	/U	0.503	0.849	-0.0137	/U	0.508	0.863	0.284	/U	0.441	0.745	-0.0354	/U	0.437	0.744
URANIUM-235	0.039	PCI/G	0.0178		0.0056	0.0043	0.0309		0.0069	0.001	0.0209		0.0055	0.0024	0.0184		0.0051	0.0009
WEIGHT OF SAMPLE, A		MG	57.1		NA	0.0	33.1		NA	0.0	45.6		NA	0.0	30.5		NA	0.0
WEIGHT OF SAMPLE, SR		MG	6.9		NA	0.0	4.9		NA	0.0	7.4		NA	0.0	8.1		NA	0.0

Table C3.6
LEHR Environmental Restoration
Analytical Results For BI

RADs

Lab_chem	Background Levels	Units	LEHR-SS-BG-0093 WA-4, 8 '				LEHR-SS-BG-0094 WA-4, 12 '				LEHR-SS-BG-0095 WA-4, (FD), 13 '				LEHR-SS-BG-0096 WA-4, 16 '			
			Value		Uncert	MDA	Value		Uncert	MDA	Value		Uncert	MDA	Value		Uncert	MDA
ACTINIUM-228	0.64	PCI/G	0.375		0.0528	0.0175	0.494		0.0687	0.016	0.592		0.0822	0.0156	0.55		0.0789	0.0157
AMERICIUM-241	0.014	PCI/G	-0.0017	/U	0.0061	0.0122	-0.0041	/U	0.0055	0.0117	0.0056	/U	0.0085	0.0144	0.0014	/U	0.0036	0.0065
BISMUTH-212	0.43	PCI/G	0.268		0.0565	0.0349	0.34		0.0563	0.0339	0.359		0.0571	0.0324	0.386		0.0627	0.0332
BISMUTH-214	0.54	PCI/G	0.348		0.0419	0.0084	0.402		0.0456	0.0081	0.468		0.0548	0.0074	0.435		0.0517	0.0077
CARBON-14	0.13	PCI/G	-0.0058	/U	0.0545	0.0932	-0.011	/U	0.0538	0.0923	-0.0443	/U	0.0548	0.0953	-0.0085	/U	0.0544	0.0934
CESIUM-137	0.012	PCI/G	**0.0249**		0.0054	0.0045	-0.0003	/U	0.0029	0.0045	-0.0007	/U	0.0028	0.0041	0.0001	/U	0.003	0.0045
COBALT-60	0.006	PCI/G	0.0008	/U	0.0029	0.0052	-0.0027	/U	0.003	0.005	0.0004	/U	0.0029	0.0049	-0.0019	/U	0.0029	0.0048
GROSS ALPHA	8.7	PCI/G	6.31		1.98	2.18	7.01		1.92	2.01	8.64		2.22	2.31	8.1		1.93	1.12
LEAD-210	1.6	PCI/G	0.692	/U	0.591	1.03	-0.356	/U	0.545	0.862	0.752		0.58	0.574	0.552	/U	0.71	0.799
LEAD-212	0.7	PCI/G	0.413		0.046	0.007	0.551		0.0711	0.0074	0.619		0.0741	0.0065	0.582		0.0643	0.0075
LEAD-214	0.58	PCI/G	0.389		0.0461	0.0085	0.47		0.0581	0.0084	0.532		0.0631	0.0075	0.504		0.059	0.0084
NONVOLATILE BETA	15	PCI/G	13		1.58	1.84	13.7		1.57	1.84	12.9		1.51	1.64	**15.2**		1.59	1.57
PLUTONIUM-241	0.5	PCI/G	-0.0575	/U	0.24	0.411	-0.104	/U	0.206	0.354	-0.233	/U	0.24	0.416	-0.046	/U	0.184	0.315
POTASSIUM-40	14	PCI/G	10.4		1.04	0.0407	10.7		1.17	0.0403	11.9		1.23	0.0387	12.5		1.33	0.0361
RADIUM-226	0.75	PCI/G	0.347		0.0587	0.0687	0.523		0.0758	0.0253	0.612		0.0827	0.0317	0.546		0.0761	0.0293
RADIUM-228	0.64	PCI/G	0.375		0.0528	0.0175	0.494		0.0687	0.016	0.592		0.0822	0.0156	0.55		0.0789	0.0157
STRONTIUM-90	0.056	PCI/G	0.0108	/U	0.0146	0.0209	-0.0074	/U	0.0159	0.0233	0.0001	/U	0.0151	0.0219	0.0093	/U	0.0125	0.0179
THALLIUM-208	0.22	PCI/G	0.124		0.0149	0.0045	0.162		0.0179	0.0044	0.196		0.0221	0.004	0.181		0.0205	0.0043
THORIUM-234	0.78	PCI/G	0.454	/J	0.283	0.244	0.753		0.321	0.218	0.586		0.213	0.173	0.49	/J	0.254	0.229
TRITIUM	1.2	PCI/G	0.266	/U	0.454	0.763	0.139	/U	0.518	0.875	0.625	/U	0.511	0.856	-0.0439	/U	0.543	0.922
URANIUM-235	0.039	PCI/G	0.0288		0.0067	0.0031	0.0248		0.0062	0.001	0.0205		0.0056	0.001	0.0204		0.0062	0.0043
WEIGHT OF SAMPLE, A		MG	85.1		NA	0.0	55		NA	0.0	84.3		NA	0.0	60.5		NA	0.0
WEIGHT OF SAMPLE, SR		MG	5.4		NA	0.0	5.9		NA	0.0	5.8		NA	0.0	6.4		NA	0.0

Table C3.6
LEHR Environmental Restoration
Analytical Results For BI

RADs

Lab_chem	Background Levels	Units	LEHR-SS-BG-0097 WA-4, 20 '				LEHR-SS-BG-0098 WA-4, 30 '				LEHR-SS-BG-0099 WA-4, 40 '				LEHR-SS-BG-0100 WA-5, 0 '			
			Value		Uncert	MDA	Value		Uncert	MDA	Value		Uncert	MDA	Value		Uncert	MDA
ACTINIUM-228	0.64	PCI/G	0.574		0.0784	0.0169	0.45		0.0628	0.0147	0.574		0.0789	0.0174	0.421		0.0623	0.0161
AMERICIUM-241	0.014	PCI/G	-0.0021	/U	0.0054	0.0114	0.0185		0.0096	0.0115	0.0043	/U	0.0056	0.0094	0.0019	/U	0.0034	0.0059
BISMUTH-212	0.43	PCI/G	0.353		0.0572	0.0354	0.298		0.0521	0.0312	0.4		0.0684	0.0358	0.294		0.0517	0.0331
BISMUTH-214	0.54	PCI/G	0.417		0.0481	0.0082	0.369		0.0438	0.0073	0.435		0.0513	0.0082	0.376		0.0435	0.0074
CARBON-14	0.13	PCI/G	-0.016	/U	0.0526	0.0908	0.0	/U	0.0494	0.0843	-0.0413	/U	0.0608	0.106	0.0011	/U	0.0549	0.0937
CESIUM-137	0.012	PCI/G	0.0003	/U	0.003	0.0046	-0.0014	/U	0.0027	0.0041	0.0013	/U	0.003	0.0046	0.0183		0.0037	0.0043
COBALT-60	0.006	PCI/G	0.0009	/U	0.0031	0.0054	-0.0002	/U	0.0026	0.0046	0.0015	/U	0.0031	0.0053	-0.0015	/U	0.0029	0.0049
GROSS ALPHA	8.7	PCI/G	3.09		1.21	1.27	4.68		1.44	1.21	6.09		1.81	1.62	4.57		1.23	1.21
LEAD-210	1.6	PCI/G	0.894		0.73	0.713	0.602	/U	0.76	0.685	0.86		0.791	0.751	0.686	/U	0.906	0.935
LEAD-212	0.7	PCI/G	0.605		0.0695	0.0074	0.507		0.0575	0.0078	0.62		0.074	0.0074	0.453		0.0523	0.007
LEAD-214	0.58	PCI/G	0.485		0.0573	0.0089	0.432		0.0514	0.0081	0.503		0.0603	0.0088	0.432		0.0519	0.0083
NONVOLATILE BETA	15	PCI/G	13.8		1.57	1.72	11.3		1.41	1.61	12.6		1.53	1.78	13.4		1.21	1.41
PLUTONIUM-241	0.5	PCI/G	-0.083	/U	0.189	0.325	-0.199	/U	0.196	0.341	-0.118	/U	0.201	0.347	-0.022	/U	0.191	0.326
POTASSIUM-40	14	PCI/G	13.5		1.38	0.0405	10		1.06	0.0351	11.8		1.18	0.0405	11.3		1.2	0.037
RADIUM-226	0.75	PCI/G	0.645		0.126	0.0589	0.472		0.0781	0.029	0.603		0.0905	0.0401	0.407		0.0653	0.0275
RADIUM-228	0.64	PCI/G	0.574		0.0784	0.0169	0.45		0.0628	0.0147	0.574		0.0789	0.0174	0.421		0.0623	0.0161
STRONTIUM-90	0.056	PCI/G	0.0029	/U	0.0135	0.0196	0.0188	/U	0.0137	0.0193	0.0178	/U	0.019	0.0271	0.0059	/U	0.0132	0.0194
THALLIUM-208	0.22	PCI/G	0.186		0.0208	0.0045	0.163		0.0187	0.0039	0.185		0.0208	0.0048	0.135		0.0154	0.0042
THORIUM-234	0.78	PCI/G	0.307	/J	0.216	0.22	0.606		0.26	0.201	0.547		0.282	0.224	0.276	/J	0.231	0.224
TRITIUM	1.2	PCI/G	0.119	/U	0.49	0.834	0.471	/U	0.49	0.824	0.35	/U	0.524	0.882	0.0	/U	0.483	0.823
URANIUM-235	0.039	PCI/G	0.0233		0.0062	0.0027	0.0	/U	0.0	0.0072	0.0157		0.0051	0.0033	0.0239		0.0076	0.0017
WEIGHT OF SAMPLE, A		MG	31.9		NA	0.0	43.9		NA	0.0	66.5		NA	0.0	99.9		NA	0.0
WEIGHT OF SAMPLE, SR		MG	5.9		NA	0.0	7.6		NA	0.0	4.6		NA	0.0	6.7		NA	0.0

Table C3.6
LEHR Environmental Restoration
Analytical Results For BI

RADs

Lab_chem	Background Levels	Units	LEHR-SS-BG-0101 WA-5, 4 '				LEHR-SS-BG-0102 WA-5, 8 '				LEHR-SS-BG-0103 WA-5, 12 '				LEHR-SS-BG-0104 WA-5, 16 '			
			Value		Uncert	MDA	Value		Uncert	MDA	Value		Uncert	MDA	Value		Uncert	MDA
ACTINIUM-228	0.64	PCI/G	0.38		0.0536	0.0145	0.53		0.0732	0.0161	0.628		0.0843	0.0168	0.619		0.0846	0.0171
AMERICIUM-241	0.014	PCI/G	0.0018	/U	0.0031	0.0053	-0.0041	/U	0.0054	0.0112	0.0	/U	0.0044	0.0086	-0.0006	/U	0.0055	0.0109
BISMUTH-212	0.43	PCI/G	0.263		0.0453	0.029	0.327		0.0525	0.034	**0.441**		0.0746	0.0361	0.394		0.065	0.0356
BISMUTH-214	0.54	PCI/G	0.356		0.0405	0.0071	0.403		0.0464	0.008	0.504		0.0588	0.0082	0.502		0.0585	0.0081
CARBON-14	0.13	PCI/G	-0.0226	/U	0.0572	0.0992	-0.0184	/U	0.0666	0.115	-0.0252	/U	0.0569	0.0983	-0.0128	/U	0.0569	0.0975
CESIUM-137	0.012	PCI/G	0.0003	/U	0.0025	0.004	0.0004	/U	0.0028	0.0043	0.0013	/U	0.0031	0.0047	-0.0001	/U	0.0031	0.0047
COBALT-60	0.006	PCI/G	-0.0005	/U	0.0026	0.0045	0.0003	/U	0.0029	0.005	0.0004	/U	0.0031	0.0053	0.0015	/U	0.003	0.0054
GROSS ALPHA	8.7	PCI/G	6.22		0.972	0.798	5.39		0.802	0.629	4.32		0.698	0.591	5.7		0.817	0.694
LEAD-210	1.6	PCI/G	-0.957	/U	0.494	0.771	0.703		0.601	0.678	0.379	/U	0.703	0.735	0.904		0.757	0.771
LEAD-212	0.7	PCI/G	0.404		0.0523	0.0066	0.547		0.0629	0.0073	0.662		0.0789	0.0079	0.649		0.0734	0.0078
LEAD-214	0.58	PCI/G	0.413		0.0512	0.0075	0.46		0.0545	0.0085	0.571		0.0675	0.0086	0.569		0.0671	0.0089
NONVOLATILE BETA	15	PCI/G	9.54		0.76	0.849	10.5		0.782	0.861	10.4		0.769	0.868	12.1		0.792	0.86
PLUTONIUM-241	0.5	PCI/G	-0.0751	/U	0.188	0.322	0.0631	/U	0.179	0.303	-0.154	/U	0.266	0.458	-0.0183	/U	0.175	0.299
POTASSIUM-40	14	PCI/G	9.52		1.04	0.0328	10.7		1.1	0.0397	13.4		1.34	0.0395	13		1.37	0.0406
RADIUM-226	0.75	PCI/G	0.363		0.0608	0.0257	0.522		0.0787	0.0299	0.593		0.0855	0.0343	0.571		0.0801	0.0227
RADIUM-228	0.64	PCI/G	0.38		0.0536	0.0145	0.53		0.0732	0.0161	0.628		0.0843	0.0168	0.619		0.0846	0.0171
STRONTIUM-90	0.056	PCI/G	0.0231	/J	0.0147	0.0211	0.0387	/J	0.0188	0.0267	0.0148	/U	0.0139	0.0201	0.0198	/U	0.0154	0.0222
THALLIUM-208	0.22	PCI/G	0.116		0.0131	0.0039	0.164		0.0184	0.0043	0.208		0.0234	0.0045	0.2		0.0224	0.0047
THORIUM-234	0.78	PCI/G	0.573		0.278	0.191	0.62		0.252	0.208	0.626		0.23	0.212	0.567		0.259	0.224
TRITIUM	1.2	PCI/G	-1.63	/U	0.55	1.09	-0.228	/U	0.574	1.07	0.0	/U	0.545	0.999	-0.72	/U	0.595	1.12
URANIUM-235	0.039	PCI/G	**0.0431**		0.012	0.0047	0.0372		0.0102	0.0047	0.025		0.0083	0.0041	**0.0392**		0.0083	0.001
WEIGHT OF SAMPLE, A		MG	65.2		NA	0.0	41.1		NA	0.0	35.2		NA	0.0	41.8		NA	0.0
WEIGHT OF SAMPLE, SR		MG	7.2		NA	0.0	5.7		NA	0.0	6.4		NA	0.0	6.3		NA	0.0

Table C3.6
LEHR Environmental Restoration
Analytical Results For BI

RADs

Lab_chem	Background Levels	Units	LEHR-SS-BG-0105 WA-5, 20 '				LEHR-SS-BG-0106 WA-5, (FD), 21.5 '				LEHR-SS-BG-0107 WA-5, 30 '				LEHR-SS-BG-0108 WA-5, 40 '			
			Value		Uncert	MDA	Value		Uncert	MDA	Value		Uncert	MDA	Value		Uncert	MDA
ACTINIUM-228	0.64	PCI/G	0.627		0.0874	0.0175	**0.656**		0.0937	0.0178	0.622		0.0843	0.0164	0.567		0.0786	0.0165
AMERICIUM-241	0.014	PCI/G	0.0028	/U	0.0062	0.0109	0.0042	/U	0.0066	0.011	0.0015	/U	0.006	0.0109	0.0067	/U	0.0066	0.0104
BISMUTH-212	0.43	PCI/G	0.405		0.069	0.0353	**0.464**		0.0742	0.037	0.391		0.0585	0.0356	0.361		0.0601	0.0356
BISMUTH-214	0.54	PCI/G	0.472		0.0556	0.0082	0.516		0.0603	0.0086	0.461		0.0519	0.0081	0.438		0.052	0.0082
CARBON-14	0.13	PCI/G	-0.0428	/U	0.0569	0.0987	-0.035	/U	0.0572	0.099	-0.0251	/U	0.0605	0.105	0.0031	/U	0.063	0.108
CESIUM-137	0.012	PCI/G	0.0004	/U	0.003	0.0046	-0.0013	/U	0.0034	0.0049	-0.0016	/U	0.0027	0.0047	0.0006	/U	0.0027	0.0048
COBALT-60	0.006	PCI/G	0.0006	/U	0.0031	0.0053	-0.0017	/U	0.0037	0.0053	-0.0012	/U	0.003	0.0051	-0.0002	/U	0.003	0.0053
GROSS ALPHA	8.7	PCI/G	6.79		1.02	1.11	7.38		0.921	0.642	4.43		0.755	0.634	6.38		0.777	0.567
LEAD-210	1.6	PCI/G	0.351	/U	0.68	0.661	1.06		0.784	0.858	-0.53	/U	0.536	0.843	0.295	/U	0.736	0.764
LEAD-212	0.7	PCI/G	0.686		0.0822	0.0075	**0.708**		0.0781	0.0082	0.684		0.0879	0.0077	0.606		0.0686	0.0076
LEAD-214	0.58	PCI/G	0.549		0.0654	0.0085	**0.59**		0.069	0.0094	0.534		0.0658	0.0087	0.507		0.06	0.0088
NONVOLATILE BETA	15	PCI/G	12.6		0.828	0.898	13.5		0.873	0.967	12.6		0.806	0.814	13.5		0.704	0.679
PLUTONIUM-241	0.5	PCI/G	-0.0332	/U	0.167	0.285	0.0862	/U	0.177	0.299	0.03	/U	0.18	0.307	0.0117	/U	0.187	0.318
POTASSIUM-40	14	PCI/G	12.3		1.26	0.0423	13.6		1.45	0.0411	12.5		1.37	0.037	12		1.27	0.0387
RADIUM-226	0.75	PCI/G	0.628		0.0861	0.0298	0.615		0.0843	0.0291	0.579		0.0846	0.0315	0.566		0.0867	0.0362
RADIUM-228	0.64	PCI/G	0.627		0.0874	0.0175	**0.656**		0.0937	0.0178	0.622		0.0843	0.0164	0.567		0.0786	0.0165
STRONTIUM-90	0.056	PCI/G	0.0105	/U	0.0198	0.029	0.0149	/U	0.0196	0.0286	0.005	/U	0.0138	0.0203	0.0182	/U	0.0185	0.0269
THALLIUM-208	0.22	PCI/G	0.211		0.0237	0.0045	0.216		0.0242	0.0049	0.208		0.0224	0.0044	0.186		0.0213	0.0045
THORIUM-234	0.78	PCI/G	0.778		0.27	0.199	0.687		0.323	0.252	0.58		0.268	0.219	0.624		0.301	0.224
TRITIUM	1.2	PCI/G	-0.441	/U	0.552	1.03	-0.677	/U	0.559	1.06	-0.218	/U	0.548	1.02	-0.5	/U	0.625	1.17
URANIUM-235	0.039	PCI/G	0.0324		0.0093	0.0046	0.0285		0.0094	0.0054	**0.0595**		0.0132	0.0053	0.0242		0.0078	0.0045
WEIGHT OF SAMPLE, A		MG	51.1		NA	0.0	64.8		NA	0.0	54.2		NA	0.0	62.3		NA	0.0
WEIGHT OF SAMPLE, SR		MG	4.9		NA	0.0	4.8		NA	0.0	6.8		NA	0.0	5		NA	0.0

Table C3.6
LEHR Environmental Restoration
Analytical Results For BI

RADs

Lab_chem	Background Levels	Units	LEHR-SS-BG-0109 WA-6, 0 '				LEHR-SS-BG-0110 WA-6, 4 '				LEHR-SS-BG-0111 WA-6, 8 '				LEHR-SS-BG-0112 WA-6, 12 '			
			Value		Uncert	MDA	Value		Uncert	MDA	Value		Uncert	MDA	Value		Uncert	MDA
ACTINIUM-228	0.64	PCI/G	0.552		0.075	0.0167	0.436		0.0604	0.0145	**0.646**		0.0914	0.0157	0.581		0.082	0.0167
AMERICIUM-241	0.014	PCI/G	-0.0008	/U	0.0044	0.0086	0.0008	/U	0.0049	0.009	-0.0005	/U	0.0054	0.0103	0.0013	/U	0.0048	0.0087
BISMUTH-212	0.43	PCI/G	0.35		0.0579	0.0352	0.264		0.047	0.0304	0.405		0.0585	0.0334	0.401		0.064	0.0347
BISMUTH-214	0.54	PCI/G	0.469		0.0551	0.008	0.363		0.0413	0.007	0.509		0.0582	0.0077	0.486		0.0572	0.0079
CARBON-14	0.13	PCI/G	0.0214	/U	0.058	0.0986	0.0223	/U	0.0579	0.0978	-0.0895	/U	0.0585	0.103	0.0007	/U	0.0738	0.127
CESIUM-137	0.012	PCI/G	**0.0161**		0.0049	0.0046	0.002	/U	0.0025	0.004	-0.0008	/U	0.0028	0.0042	0.0004	/U	0.003	0.0044
COBALT-60	0.006	PCI/G	-0.0007	/U	0.0031	0.0052	-0.0004	/U	0.0026	0.0045	0.0007	/U	0.0029	0.005	0.0007	/U	0.0031	0.0052
GROSS ALPHA	8.7	PCI/G	7.62		0.867	0.685	6.58		0.841	0.755	5.11		1.23	1.1	8.15		1.79	2.09
LEAD-210	1.6	PCI/G	0.818		0.707	0.732	-1.26	/U	0.476	0.733	0.894	/U	0.81	0.911	1.1		0.66	0.616
LEAD-212	0.7	PCI/G	0.569		0.068	0.008	0.452		0.0584	0.0067	0.66		0.0756	0.0068	0.633		0.0759	0.0072
LEAD-214	0.58	PCI/G	0.548		0.0652	0.0086	0.427		0.0529	0.0074	**0.586**		0.0695	0.008	0.563		0.067	0.0083
NONVOLATILE BETA	15	PCI/G	14.4		0.732	0.728	11.3		0.736	0.826	13		1.31	1.54	12.7		1.33	1.67
PLUTONIUM-241	0.5	PCI/G	0.004	/U	0.189	0.322	0.0579	/U	0.192	0.326	-0.122	/U	0.154	0.266	0.0643	/U	0.328	0.453
POTASSIUM-40	14	PCI/G	12.2		1.22	0.0382	10.7		1.17	0.0334	12.4		1.33	0.0371	11.7		1.21	0.0421
RADIUM-226	0.75	PCI/G	0.572		0.0887	0.0358	0.498		0.0957	0.0504	0.508		0.0817	0.0366	**0.753**		0.116	0.0396
RADIUM-228	0.64	PCI/G	0.552		0.075	0.0167	0.436		0.0604	0.0145	**0.646**		0.0914	0.0157	0.581		0.082	0.0167
STRONTIUM-90	0.056	PCI/G	0.0174	/U	0.0125	0.0181	0.0166	/J	0.0111	0.0158	0.0121	/U	0.014	0.0203	0.0075	/U	0.0176	0.026
THALLIUM-208	0.22	PCI/G	0.186		0.0211	0.0044	0.144		0.0161	0.0037	0.196		0.0214	0.0043	0.199		0.0224	0.0045
THORIUM-234	0.78	PCI/G	0.577		0.218	0.214	0.491	/J	0.237	0.193	0.685		0.273	0.218	0.762		0.276	0.193
TRITIUM	1.2	PCI/G	0.178	/U	0.458	0.833	-0.211	/U	0.535	0.985	-0.707	/U	0.585	1.11	0.0	/U	0.636	1.17
URANIUM-235	0.039	PCI/G	0.0361		0.0095	0.0058	0.02		0.0072	0.0038	0.035		0.0093	0.0016	0.023		0.0084	0.0091
WEIGHT OF SAMPLE, A		MG	61.7		NA	0.0	63.5		NA	0.0	42		NA	0.0	53.9		NA	0.0
WEIGHT OF SAMPLE, SR		MG	7.8		NA	0.0	7.4		NA	0.0	5.5		NA	0.0	5		NA	0.0

Table C3.6
LEHR Environmental Restoration
Analytical Results For BI

RADs

Lab_chem	Background Levels	Units	LEHR-SS-BG-0113 WA-6, 16'				LEHR-SS-BG-0114 WA-6, 20'				LEHR-SS-BG-0115 WA-6, 30'				LEHR-SS-BG-0116 WA-6, 40'			
			Value		Uncert	MDA	Value		Uncert	MDA	Value		Uncert	MDA	Value		Uncert	MDA
ACTINIUM-228	0.64	PCI/G	0.539		0.0794	0.0185	0.559		0.0778	0.0167	**0.669**		0.0913	0.016	0.533		0.0771	0.0169
AMERICIUM-241	0.014	PCI/G	0.0034	/U	0.0056	0.0096	0.0027	/U	0.0066	0.0115	0.0045	/U	0.0073	0.0123	0.0017	/U	0.0046	0.0081
BISMUTH-212	0.43	PCI/G	0.395		0.0618	0.0378	0.378		0.0606	0.0345	**0.456**		0.0707	0.0353	0.334		0.0537	0.0365
BISMUTH-214	0.54	PCI/G	0.462		0.0548	0.0088	0.461		0.0528	0.0082	0.473		0.0553	0.0084	0.434		0.0511	0.0085
CARBON-14	0.13	PCI/G	0.0446	/U	0.0689	0.117	-0.0255	/U	0.0648	0.112	-0.0129	/U	0.0582	0.0973	0.0622	/U	0.0768	0.126
CESIUM-137	0.012	PCI/G	-0.0004	/U	0.0032	0.0062	0.0006	/U	0.0029	0.0045	-0.0006	/U	0.003	0.0046	0.0003	/U	0.0031	0.0046
COBALT-60	0.006	PCI/G	-0.0022	/U	0.0031	0.0051	0.0004	/U	0.003	0.0053	0.0004	/U	0.0029	0.0051	-0.0015	/U	0.0031	0.0051
GROSS ALPHA	8.7	PCI/G	5.46		1.32	1.26	6.82		1.58	1.47	7.34		1.69	1.69	3.63		1.18	1.58
LEAD-210	1.6	PCI/G	0.709	/U	0.782	0.865	0.306	/U	0.682	0.713	0.55	/U	0.812	0.748	0.292	/U	0.57	0.838
LEAD-212	0.7	PCI/G	0.592		0.0656	0.0081	0.601		0.0691	0.0087	0.684		0.0774	0.0076	0.577		0.064	0.0078
LEAD-214	0.58	PCI/G	0.522		0.0615	0.0094	0.51		0.0602	0.0089	0.55		0.0646	0.0089	0.499		0.0588	0.009
NONVOLATILE BETA	15	PCI/G	10		1.19	1.6	11.7		1.26	1.55	12		1.26	1.48	12.1		1.25	1.53
PLUTONIUM-241	0.5	PCI/G	-0.176	/U	0.169	0.294	0.0893	/U	0.173	0.292	0.0882	/U	0.257	0.356	0.0236	/U	0.174	0.296
POTASSIUM-40	14	PCI/G	11.3		1.21	0.0409	11.4		1.17	0.0417	12.2		1.29	0.0405	11.9		1.27	0.0366
RADIUM-226	0.75	PCI/G	0.571		0.0824	0.0296	0.559		0.0889	0.0423	0.56		0.081	0.036	0.574		0.11	0.0564
RADIUM-228	0.64	PCI/G	**0.842**		0.125	0.0227	0.559		0.0778	0.0167	**0.669**		0.0913	0.016	0.533		0.0771	0.0169
STRONTIUM-90	0.056	PCI/G	0.0202	/U	0.0159	0.023	0.0193	/J	0.0128	0.0183	0.0095	/U	0.0174	0.0255	0.0078	/U	0.0169	0.0249
THALLIUM-208	0.22	PCI/G	0.183		0.0211	0.0048	0.183		0.0202	0.0045	0.213		0.0238	0.0045	0.185		0.0211	0.0045
THORIUM-234	0.78	PCI/G	0.552		0.268	0.255	0.464	/J	0.225	0.217	0.701		0.284	0.221	0.729		0.294	0.239
TRITIUM	1.2	PCI/G	-0.973	/U	0.595	1.14	-0.977	/U	0.599	1.14	-0.741	/U	0.61	1.16	-1.31	/U	0.634	1.23
URANIUM-235	0.039	PCI/G	0.0227		0.0075	0.0049	0.0387		0.0102	0.006	0.0365		0.0102	0.0049	0.0311		0.0088	0.0016
WEIGHT OF SAMPLE, A		MG	44.7		NA	0.0	67.6		NA	0.0	59.4		NA	0.0	36.2		NA	0.0
WEIGHT OF SAMPLE, SR		MG	5.1		NA	0.0	6.8		NA	0.0	4.9		NA	0.0	5.7		NA	0.0

Table C3.6
LEHR Environmental Restoration
Analytical Results For Bl

Table Specifiers:

The following descriptions provide a brief explanation of codes used in association with the sample ids.

WS= Ground water sample
FD= Field Duplicate
= Shading indicates that the measured concentration is above background

Data Validation Qualifier Definitions:

The following definitions provide brief explanations of the data validation qualifiers assigned to results in the data review process.

U = The analyte was analyzed for, but was not detected above the reported sample quantitation limit.
J = The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.
N = The analysis indicates the presence of an analyte for which there is presumptive evidence to make a "tentative identification".
NJ = The analysis indicates the presence of an analyte that has been "tentatively identified" and the associated numerical value represents its approximate concentration.
UJ = The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.
R = The sample results are rejected due to serious deficiencies in the ability to analyze the sample and meet quality control criteria. The presence or absence of the analyte cannot be verified.

Data Validation Reason Code Definitions:

The following descriptions provide brief explanation of the cause for qualification of the results determined in the data review process. These reason codes are used in combination with data qualifier, i.e. "Uz" indicated the analyte is non-detect due to method blank contamination.

c = Calibration failure; poor or unstable response.
d = Matrix duplicate imprecision or matrix spike/matrix spike duplicate imprecision.
f = Field replicate or duplicate imprecision.
h = Holding time violation.
i = Internal standard failure.
l = Laboratory control sample (LCS) recovery failure.
m = Matrix spike/matrix spike duplicate (MS/MSD) recovery failure.
s = Surrogate spike recovery failure.
z = Method blank contamination.
/ = Validation Qualifier / Lab Qualifier.

Table C3.6
LEHR Environmental Restoration
Analytical Results For BI

Table Specifiers:

The following descriptions provide a brief explanation of codes used in association with the sample ids.

WS= Ground water sample
FD= Field Duplicate
= Shading indicates that the measured concentration is above background

Data Validation Qualifier Definitions:

The following definitions provide brief explanations of the data validation qualifiers assigned to results in the data review process.

U = The analyte was analyzed for, but was not detected above the reported sample quantitation limit.
J = The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.
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NJ = The analysis indicates the presence of an analyte that has been "tentatively identified" and the associated numerical value represents its approximate concentration.
UJ = The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.
R = The sample results are rejected due to serious deficiencies in the ability to analyze the sample and meet quality control criteria. The presence or absence of the analyte cannot be verified.

Data Validation Reason Code Definitions:

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f = Field replicate or duplicate imprecision.
h = Holding time violation.
i = Internal standard failure.
l = Laboratory control sample (LCS) recovery failure.
m = Matrix spike/matrix spike duplicate (MS/MSD) recovery failure.
s = Surrogate spike recovery failure.
z = Method blank contamination.
/ = Validation Qualifier / Lab Qualifier.
B = Analyte was detected in the associated method blank.
E = Concentration exceeds calibration range.
P = Concentrations between the two GC columns are greater than 25% difference.
N= Spiked sample recovery not within control limits.
* = Duplicate analysis not within control limit.

APPENDIX C4

ANALYTICAL RESULTS FOR ORI

Table C4.1
LEHR Environmental Restoration
Analytical Results For ORI

General Chemistry

	Background Level	UNITS	LEHR-SS-RA-0001 B-1, 0'		LEHR-SS-RA-0004 A-2, 0'		LEHR-SS-RA-0007 A-5, 0'		LEHR-SS-RA-0012 C-3, 0'		LEHR-SS-RA-0013 C-8, 0'	
CHROMIUM, HEXAVALENT	0.054	MG/KG	<1.56	UJm/U	<1.33	UJm/U	<1.51	UJm/U	<1.43	UJm/U	<1.44	UJm/U
EVAPORATIVE LOSS @ 105 C		WT%	20		13		18		16		20	
NITROGEN, NITRATE	36	MG/KG	4.96	Jm/	7.98	Jm/	50.7	Jm/	13.8	Jm/	40	Jm/
PH		PH UNI	7.55		6.54		6.87		6.61		6.7	
PH TEMPERATURE		C	21.6		20.7		21.1		21.3		20.8	

Table C4.1
LEHR Environmental Restoration
Analytical Results For ORI

Table Specifiers:

The following descriptions provide a brief explanation of codes used in association with the sample ids.

WS= Ground water sample
FD= Field Duplicate
= Shading indicates that the measured concentration is above background

Data Validation Qualifier Definitions:

The following definitions provide brief explanations of the data validation qualifiers assigned to results in the data review process.

U = The analyte was analyzed for, but was not detected above the reported sample quantitation limit.
J = The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.
N = The analysis indicates the presence of an analyte for which there is presumptive evidence to make a "tentative identification".
NJ = The analysis indicates the presence of an analyte that has been "tentatively identified" and the associated numerical value represents its approximate concentration.
UJ = The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.
R = The sample results are rejected due to serious deficiencies in the ability to analyze the sample and meet quality control criteria. The presence or absence of the analyte cannot be verified.

Data Validation Reason Code Definitions:

The following descriptions provide brief explanation of the cause for qualification of the results determined in the data review process. These reason codes are used in combination with data qualifier, i.e. "Uz" indicated the analyte is non-detect due to method blank contamination.

c = Calibration failure; poor or unstable response.
d = Matrix duplicate imprecision or matrix spike/matrix spike duplicate imprecision.
f = Field replicate or duplicate imprecision.
h = Holding time violation.
i = Internal standard failure.
l = Laboratory control sample (LCS) recovery failure.
m = Matrix spike/matrix spike duplicate (MS/MSD) recovery failure.
s = Surrogate spike recovery failure.
z = Method blank contamination.
/ = Validation Qualifier / Lab Qualifier.
B = Analyte was detected in the associated method blank.
E = Concentration exceeds calibration range.
P = Concentrations between the two GC columns are greater than 25% difference.
N= Spiked sample recovery not within control limits.
* = Duplicate analysis not within control limit.

Table C4.2
LEHR Environmental Restoration
Analytical Results For ORI

Metals by CLP

	Background Level	UNITS	LEHR-SS-RA-0001 B-1, 0 '		LEHR-SS-RA-0004 A-2, 0'		LEHR-SS-RA-0007 A-5, 0'		LEHR-SS-RA-0012 C-3, 0'		LEHR-SS-RA-0013 C-8, 0'	
ANTIMONY	1.4	MG/KG	<29.1	JJm/NU	<27	JJm/NU	<27.6	JJm/NU	<27	JJm/NU	<28	JJm/NU
ARSENIC	9.6	MG/KG	**9.7**		8.6		8.8		7.1		7.4	
BARIUM	260	MG/KG	188		173		186		131		158	
BERYLLIUM	0.72	MG/KG	0.45	J/B	0.37	J/B	0.43	J/B	0.31	J/B	0.35	J/B
CADMIUM	0.51	MG/KG	**1**	J/B	0.46	J/B	<2.3	/U	<2.2	/U	<2.3	/U
CHROMIUM	181	MG/KG	**705**		169		141		145		**183**	
MERCURY	0.63	MG/KG	**1.8**	Jm/N	**0.81**	Jm/N	0.57	Jm/N	0.35	Jm/N	0.46	Jm/N

Table C4.2
LEHR Environmental Restoration
Analytical Results For ORI

Table Specifiers:

The following descriptions provide a brief explanation of codes used in association with the sample ids.

WS= Ground water sample
FD= Field Duplicate
= Shading indicates that the measured concentration is above background

Data Validation Qualifier Definitions:

The following definitions provide brief explanations of the data validation qualifiers assigned to results in the data review process.

U = The analyte was analyzed for, but was not detected above the reported sample quantitation limit.
J = The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.
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NJ = The analysis indicates the presence of an analyte that has been "tentatively identified" and the associated numerical value represents its approximate concentration.
UJ = The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.
R = The sample results are rejected due to serious deficiencies in the ability to analyze the sample and meet quality control criteria. The presence or absence of the analyte cannot be verified.

Data Validation Reason Code Definitions:

The following descriptions provide brief explanation of the cause for qualification of the results determined in the data review process. These reason codes are used in combination with data qualifier, i.e. "Uz" indicated the analyte is non-detect due to method blank contamination.

c = Calibration failure; poor or unstable response.
d = Matrix duplicate imprecision or matrix spike/matrix spike duplicate imprecision.
f = Field replicate or duplicate imprecision.
h = Holding time violation.
i = Internal standard failure.
l = Laboratory control sample (LCS) recovery failure.
m = Matrix spike/matrix spike duplicate (MS/MSD) recovery failure.
s = Surrogate spike recovery failure.
z = Method blank contamination.
/ = Validation Qualifier / Lab Qualifier.
B = Analyte was detected in the associated method blank.
E = Concentration exceeds calibration range.
P = Concentrations between the two GC columns are greater than 25% difference.
N= Spiked sample recovery not within control limits.
* = Duplicate analysis not within control limit.

Table C4.3
LEHR Environmental Restoration
Analytical Results For ORI

Pesticides by CLP

	Background Level	UNITS	LEHR-SS-RA-0001 B-1, 0'		LEHR-SS-RA-0004 A-2, 0'		LEHR-SS-RA-0007 A-5, 0'		LEHR-SS-RA-0012 C-3, 0'		LEHR-SS-RA-0013 C-8, 0'		LEHR-SS-RA-0013DL1 C-8, 0'	
4,4'-DDD		UG/KG	3.1	J/P	3.2	J/JP	1.6	J/JP	<3.9	/U	1.7	J/JP	<8.3	/U
4,4'-DDE		UG/KG	3	J/JP	5.4		8		2.1	J/JP	8.1		7.5	J/J
4,4'-DDT		UG/KG	12.6	Jc/P	52.4	Jc/	32.9	Jc/	7.8	Jc/	17	Jc/P	17	Jc/P
ALDRIN		UG/KG	<2.1	/U	<1.9	/U	<2	/U	<2	/U	<2.1	/U	<4.2	/U
ALPHA-BHC		UG/KG	<2.1	/U	<1.9	/U	<2	/U	<2	/U	<2.1	/U	<4.2	/U
ALPHA-CHLORDANE		UG/KG	9		7.1		1.6	J/JP	11.3		46.1	J/E	48.3	
BETA-BHC		UG/KG	<2.1	/U	<1.9	/U	<2	/U	<2	/U	<2.1	/U	<4.2	/U
DELTA-BHC		UG/KG	<2.1	/U	<1.9	/U	<2	/U	<2	/U	<2.1	/U	<4.2	/U
DIELDRIN		UG/KG	4	J/J	3.1	J/JP	3.2	J/JP	2.3	J/JP	2.3	J/J	<8.3	/U
ENDOSULFAN I		UG/KG	<2.1	/U	<1.9	/U	<2	/U	<2	/U	<2.1	/U	<4.2	/U
ENDOSULFAN II		UG/KG	<4.2	/U	<3.8	/U	<4.1	/U	<3.9	/U	<4.2	/U	<8.3	/U
ENDOSULFAN SULFATE		UG/KG	<4.2	J/JP	<3.8	/U	<4.1	/U	<3.9	/U	<4.2	/U	<8.3	/U
ENDRIN		UG/KG	<4.2	/U	<3.8	/U	<4.1	/U	<3.9	/U	<4.2	/U	<8.3	/U
ENDRIN ALDEHYDE		UG/KG	<4.2	/U	<3.8	/U	<4.1	/U	<3.9	/U	<4.2	/U	<8.3	/U
ENDRIN KETONE		UG/KG	<4.2	/U	<3.8	/U	<4.1	/U	<3.9	/U	<4.2	/U	<8.3	/U
GAMMA-BHC		UG/KG	<2.1	/U	<1.9	/U	<2	/U	<2	/U	<2.1	/U	<4.2	/U
GAMMA-CHLORDANE		UG/KG	9.7		8.4		2	J/J	10.2		47.3	J/E	50.2	
HEPTACHLOR		UG/KG	<2.1	/U	<1.9	/U	<2	/U	<2	/U	<2.1	/U	<4.2	/U
HEPTACHLOR EPOXIDE		UG/KG	<2.1	/U	<1.9	/U	<2	/U	<2	/U	<2.1	/U	<4.2	/U
METHOXYCHLOR		UG/KG	<20.8	/U	<19.2	/U	<20.3	/U	<19.6	/U	<20.8	/U	<41.5	/U
PCB-1016		UG/KG	<41.5	/U	<38.3	/U	<40.6	/U	<39.2	/U	<41.5	/U	<83	/U
PCB-1221		UG/KG	<83	/U	<76.6	/U	<81.3	/U	<78.3	/U	<83	/U	<166	/U
PCB-1232		UG/KG	<41.5	/U	<38.3	/U	<40.6	/U	<39.2	/U	<41.5	/U	<83	/U
PCB-1242		UG/KG	<41.5	/U	<38.3	/U	<40.6	/U	<39.2	/U	<41.5	/U	<83	/U
PCB-1248		UG/KG	<41.5	/U	<38.3	/U	<40.6	/U	<39.2	/U	<41.5	/U	<83	/U
PCB-1254		UG/KG	<41.5	/U	<38.3	/U	<40.6	/U	<39.2	/U	<41.5	/U	<83	/U

Table C4.3
LEHR Environmental Restoration
Analytical Results For ORI

Pesticides by CLP

	Background Level	UNITS	LEHR-SS-RA-0001 B-1, 0'		LEHR-SS-RA-0004 A-2, 0'		LEHR-SS-RA-0007 A-5, 0'		LEHR-SS-RA-0012 C-3, 0'		LEHR-SS-RA-0013 C-8, 0'		LEHR-SS-RA-0013DL1 C-8, 0'	
PCB-1260		UG/KG	<41.5	/U	<38.3	/U	<40.6	/U	<39.2	/U	<41.5	/U	<83	/U
TOXAPHENE		UG/KG	<208	/U	<192	/U	<203	/U	<196	/U	<208	/U	<415	/U

Table C4.3
LEHR Environmental Restoration
Analytical Results For DPI Phase C

Pesticides by CLP

	Background Level	UNITS	LEHR-WS-RA-0001 Rinsate, '	
4,4'-DDD		UG/L	<0.099	/U
4,4'-DDE		UG/L	<0.099	/U
4,4'-DDT		UG/L	<0.099	/U
ALDRIN		UG/L	<0.05	/U
ALPHA-BHC		UG/L	<0.05	/U
ALPHA-CHLORDANE		UG/L	<0.05	/U
BETA-BHC		UG/L	<0.05	/U
DELTA-BHC		UG/L	<0.05	/U
DIELDRIN		UG/L	<0.099	/U
ENDOSULFAN I		UG/L	<0.05	/U
ENDOSULFAN II		UG/L	<0.099	/U
ENDOSULFAN SULFATE		UG/L	<0.099	/U
ENDRIN		UG/L	<0.099	/U
ENDRIN ALDEHYDE		UG/L	<0.099	/U
ENDRIN KETONE		UG/L	<0.099	/U
GAMMA-BHC		UG/L	<0.05	/U
GAMMA-CHLORDANE		UG/L	<0.05	/U
HEPTACHLOR		UG/L	<0.05	/U
HEPTACHLOR EPOXIDE		UG/L	<0.05	/U
METHOXYCHLOR		UG/L	<0.5	/U
PCB-1016		UG/L	<0.99	/U
PCB-1221		UG/L	<2	/U
PCB-1232		UG/L	<0.99	/U
PCB-1242		UG/L	<0.99	/U
PCB-1248		UG/L	<0.99	/U
PCB-1254		UG/L	<0.99	/U
PCB-1260		UG/L	<0.99	/U

Table C4.3
LEHR Environmental Restoration
Analytical Results For DPI Phase C

Pesticides by CLP

	Background Level	UNITS	LEHR-WS-RA-0001 Rinsate,	
TOXAPHENE		UG/L	<5	/U

Table C4.3
LEHR Environmental Restoration
Analytical Results For ORI

Table Specifiers:

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B = Analyte was detected in the associated method blank.
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N= Spiked sample recovery not within control limits.
* = Duplicate analysis not within control limit.

Table C4.4
LEHR Environmental Restoration
Analytical Results For ORI

Semivolatile Organics by CLP

	Background Level	UNITS	LEHR-SS-RA-0001 B-1, 0'		LEHR-SS-RA-0004 A-2, 0'		LEHR-SS-RA-0007 A-5, 0'		LEHR-SS-RA-0012 C-3, 0'		LEHR-SS-RA-0013 C-8, 0'		LEHR-SS-RA-0013DL1 C-8, 0'
1,2,4-TRICHLOROBENZENE		UG/KG	<679	/U	<372	/U	<396	/U	<390	/U	<506	/U	NA
1,2-DICHLOROBENZENE		UG/KG	<679	/U	<372	/U	<396	/U	<390	/U	<506	/U	NA
1,3-DICHLOROBENZENE		UG/KG	<679	/U	<372	/U	<396	/U	<390	/U	<506	/U	NA
1,4-DICHLOROBENZENE		UG/KG	<679	/U	<372	/U	<396	/U	<390	/U	<506	/U	NA
2,4,5-TRICHLOROPHENOL		UG/KG	<1,700	/U	<930	/U	<990	/U	<976	/U	<1,260	/U	NA
2,4,6-TRICHLOROPHENOL		UG/KG	<679	/U	<372	/U	<396	/U	<390	/U	<506	/U	NA
2,4-DICHLOROPHENOL		UG/KG	<679	/U	<372	/U	<396	/U	<390	/U	<506	/U	NA
2,4-DIMETHYLPHENOL		UG/KG	<679	/U	<372	/U	<396	/U	<390	/U	<506	/U	NA
2,4-DINITROPHENOL		UG/KG	<1,700	/U	<930	/U	<990	/U	<976	/U	<1,260	/U	NA
2,4-DINITROTOLUENE		UG/KG	<679	/U	<372	/U	<396	/U	<390	/U	<506	/U	NA
2,6-DINITROTOLUENE		UG/KG	<679	/U	<372	/U	<396	/U	<390	/U	<506	/U	NA
2-CHLORONAPHTHALENE		UG/KG	<679	/U	<372	/U	<396	/U	<390	/U	<506	/U	NA
2-CHLOROPHENOL		UG/KG	<679	/U	<372	/U	<396	/U	<390	/U	<506	/U	NA
2-METHYL-4,6-DINITROPHENOL		UG/KG	<1,700	/U	<930	/U	<990	/U	<976	/U	<1,260	/U	NA
2-METHYLNAPHTHALENE		UG/KG	<679	/U	<372	/U	<396	/U	<390	/U	<506	/U	NA
2-NITROPHENOL		UG/KG	<679	/U	<372	/U	<396	/U	<390	/U	<506	/U	NA
3,3'-DICHLOROBENZIDINE		UG/KG	<679	/U	<372	/U	<396	/U	<390	/U	<506	/U	NA
4-BROMOPHENYL PHENYL ETHE		UG/KG	<679	/U	<372	/U	<396	/U	<390	/U	<506	/U	NA
4-CHLORO-3-METHYL PHENOL		UG/KG	<679	/U	<372	/U	<396	/U	<390	/U	<506	/U	NA
4-CHLOROANILINE		UG/KG	<679	/U	<372	/U	<396	/U	<390	/U	<506	/U	NA
4-CHLOROPHENYL PHENYL ETH		UG/KG	<679	/U	<372	/U	<396	/U	<390	/U	<506	/U	NA
4-NITROPHENOL		UG/KG	<1,700	/U	<930	/U	<990	/U	<976	/U	<1,260	/U	NA
ACENAPHTHENE		UG/KG	<679	/U	<372	/U	<396	/U	<390	/U	<506	/U	NA
ACENAPHTHYLENE		UG/KG	<679	/U	<372	/U	<396	/U	<390	/U	<506	/U	NA
ANTHRACENE		UG/KG	<679	/U	<372	/U	<396	/U	<390	/U	<506	/U	NA
BENZO(A)ANTHRACENE		UG/KG	<679	/U	<372	/U	<396	/U	<390	/U	<506	/U	NA

Table C4.4
LEHR Environmental Restoration
Analytical Results For ORI

Semivolatile Organics by CLP

	Background Level	UNITS	LEHR-SS-RA-0001 B-1, 0'		LEHR-SS-RA-0004 A-2, 0'		LEHR-SS-RA-0007 A-5, 0'		LEHR-SS-RA-0012 C-3, 0'		LEHR-SS-RA-0013 C-8, 0'		LEHR-SS-RA-0013DL1 C-8, 0'
BENZO(A)PYRENE		UG/KG	<679	/U	<372	/U	<396	/U	<390	/U	<506	/U	NA
BENZO(B)FLUORANTHENE		UG/KG	<679	/U	<372	/U	<396	/U	<390	/U	<506	/U	NA
BENZO(GHI)PERYLENE		UG/KG	<679	/U	<372	/U	<396	/U	<390	/U	<506	/U	NA
BENZO(K)FLUORANTHENE		UG/KG	<679	/U	<372	/U	<396	/U	<390	/U	<506	/U	NA
BIS(2-CHLOROETHOXY)METHAN		UG/KG	<679	/U	<372	/U	<396	/U	<390	/U	<506	/U	NA
BIS(2-CHLOROETHYL) ETHER		UG/KG	<679	/U	<372	/U	<396	/U	<390	/U	<506	/U	NA
BIS(2-CHLOROISOPROPYL)ETHE		UG/KG	<679	/U	<372	/U	<396	/U	<390	/U	<506	/U	NA
BIS(2-ETHYLHEXYL)PHTHALATE		UG/KG	4,820	UJz/	<372	/U	<396	/U	1,600	UJz/	<506	/U	NA
BUTYL BENZYL PHTHALATE		UG/KG	880	UJz/	<372	/U	<396	/U	<390	/U	<506	/U	NA
CARBAZOLE		UG/KG	<679	UJc/U	<372	UJc/U	<396	UJc/U	<390	UJc/U	<506	UJc/U	NA
CHRYSENE		UG/KG	<679	/U	<372	/U	<396	/U	<390	/U	<506	/U	NA
DI-N-BUTYL PHTHALATE		UG/KG	<679	/U	<372	/U	<396	/U	<390	/U	<506	/U	NA
DI-N-OCTYL PHTHALATE		UG/KG	3,710	UJz/	<372	/U	<396	/U	326	UJz/J	<506	/U	NA
DIBENZO(A,H)ANTHRACENE		UG/KG	<679	/U	<372	/U	<396	/U	<390	/U	<506	/U	NA
DIBENZOFURAN		UG/KG	<679	/U	<372	/U	<396	/U	<390	/U	<506	/U	NA
DIETHYL PHTHALATE		UG/KG	<679	/U	<372	/U	<396	/U	<390	/U	<506	/U	NA
DIMETHYL PHTHALATE		UG/KG	<679	/U	<372	/U	<396	/U	<390	/U	<506	/U	NA
FLUORANTHENE		UG/KG	<679	/U	<372	/U	<396	/U	<390	/U	<506	/U	NA
FLUORENE		UG/KG	<679	/U	<372	/U	<396	/U	<390	/U	<506	/U	NA
HEXACHLOROBENZENE		UG/KG	<679	/U	<372	/U	<396	/U	<390	/U	<506	/U	NA
HEXACHLOROBUTADIENE		UG/KG	<679	/U	<372	/U	<396	/U	<390	/U	<506	/U	NA
HEXACHLOROCYCLOPENTADIE		UG/KG	<679	/U	<372	/U	<396	/U	<390	/U	<506	/U	NA
HEXACHLOROETHANE		UG/KG	<679	/U	<372	/U	<396	/U	<390	/U	<506	/U	NA
INDENO(1,2,3-C,D)PYRENE		UG/KG	<679	/U	<372	/U	<396	/U	<390	/U	<506	/U	NA
ISOPHORONE		UG/KG	<679	/U	<372	/U	<396	/U	<390	/U	<506	/U	NA
M-NITROANILINE		UG/KG	<1,700	UJc/U	<930	UJc/U	<990	UJc/U	<976	UJc/U	<1,260	UJc/U	NA

Table C4.4
LEHR Environmental Restoration
Analytical Results For ORI

Semivolatile Organics by CLP

	Background Level	UNITS	LEHR-SS-RA-0001 B-1, 0'		LEHR-SS-RA-0004 A-2, 0'		LEHR-SS-RA-0007 A-5, 0'		LEHR-SS-RA-0012 C-3, 0'		LEHR-SS-RA-0013 C-8, 0'		LEHR-SS-RA-0013DL1 C-8, 0'
N-NITROSODIPHENYLAMINE		UG/KG	<679	/U	<372	/U	<396	/U	<390	/U	<506	/U	NA
N-NITROSODIPROPYLAMINE		UG/KG	<679	/U	<372	/U	<396	/U	<390	/U	<506	/U	NA
NAPHTHALENE		UG/KG	<679	/U	<372	/U	<396	/U	<390	/U	<506	/U	NA
NITROBENZENE		UG/KG	<679	/U	<372	/U	<396	/U	<390	/U	<506	/U	NA
O-CRESOL		UG/KG	<679	/U	<372	/U	<396	/U	<390	/U	<506	/U	NA
O-NITROANILINE		UG/KG	<1,700	/U	<930	/U	<990	/U	<976	/U	<1,260	/U	NA
P-CRESOL		UG/KG	<679	/U	<372	/U	<396	/U	<390	/U	<506	/U	NA
P-NITROANILINE		UG/KG	<1,700	/U	<930	/U	<990	/U	<976	/U	<1,260	/U	NA
PENTACHLOROPHENOL		UG/KG	<1,700	/U	<930	/U	<990	/U	<976	/U	<1,260	/U	NA
PHENANTHRENE		UG/KG	<679	/U	<372	/U	<396	/U	<390	/U	<506	/U	NA
PHENOL		UG/KG	<679	/U	<372	/U	<396	/U	<390	/U	<506	/U	NA
PYRENE		UG/KG	<679	/U	<372	/U	<396	/U	<390	/U	<506	/U	NA

Table C4.4
LEHR Environmental Restoration
Analytical Results For ORI

Table Specifiers:

The following descriptions provide a brief explanation of codes used in association with the sample ids.

WS= Ground water sample
FD= Field Duplicate
= Shading indicates that the measured concentration is above background

Data Validation Qualifier Definitions:

The following definitions provide brief explanations of the data validation qualifiers assigned to results in the data review process.

U = The analyte was analyzed for, but was not detected above the reported sample quantitation limit.
J = The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.
N = The analysis indicates the presence of an analyte for which there is presumptive evidence to make a "tentative identification".
NJ = The analysis indicates the presence of an analyte that has been "tentatively identified" and the associated numerical value represents its approximate concentration.
UJ = The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.
R = The sample results are rejected due to serious deficiencies in the ability to analyze the sample and meet quality control criteria. The presence or absence of the analyte cannot be verified.

Data Validation Reason Code Definitions:

The following descriptions provide brief explanation of the cause for qualification of the results determined in the data review process. These reason codes are used in combination with data qualifier, i.e. "Uz" indicated the analyte is non-detect due to method blank contamination.

c = Calibration failure; poor or unstable response.
d = Matrix duplicate imprecision or matrix spike/matrix spike duplicate imprecision.
f = Field replicate or duplicate imprecision.
h = Holding time violation.
i = Internal standard failure.
l = Laboratory control sample (LCS) recovery failure.
m = Matrix spike/matrix spike duplicate (MS/MSD) recovery failure.
s = Surrogate spike recovery failure.
z = Method blank contamination.
/ = Validation Qualifier / Lab Qualifier.
B = Analyte was detected in the associated method blank.
E = Concentration exceeds calibration range.
P = Concentrations between the two GC columns are greater than 25% difference.
N= Spiked sample recovery not within control limits.
* = Duplicate analysis not within control limit.

Table C4.5
LEHR Environmental Restoration
Analytical Results For ORI

Volatile Organics by CLP

	Background Level	UNITS	LEHR-SS-RA-0001 B-1, 0'		LEHR-SS-RA-0004 A-2, 0'		LEHR-SS-RA-0007 A-5, 0'		LEHR-SS-RA-0012 C-3, 0'		LEHR-SS-RA-0013 C-8, 0'		LEHR-SS-RA-0013DL1 C-8, 0'
1,1,1-TRICHLOROETHANE		UG/KG	<10	/U	<10	UJhi/U	<10	/U	<10	UJh/U	<10	UJi/U	NA
1,1,2,2-TETRACHLOROETHANE		UG/KG	<10	/U	<10	UJhi/U	<10	/U	<10	UJh/U	<10	UJi/U	NA
1,1,2-TRICHLOROETHANE		UG/KG	<10	/U	<10	UJhi/U	<10	/U	<10	UJh/U	<10	UJi/U	NA
1,1-DICHLOROETHANE		UG/KG	<10	/U	<10	UJhi/U	<10	/U	<10	UJh/U	<10	UJi/U	NA
1,1-DICHLOROETHYLENE		UG/KG	<10	/U	<10	UJhi/U	<10	/U	<10	UJh/U	<10	UJi/U	NA
1,2-DICHLOROETHANE		UG/KG	<10	/U	<10	UJhi/U	<10	/U	<10	UJh/U	<10	UJi/U	NA
1,2-DICHLOROETHYLENE		UG/KG	<10	/U	<10	UJhi/U	<10	/U	<10	UJh/U	<10	UJi/U	NA
1,2-DICHLOROPROPANE		UG/KG	<10	/U	<10	UJhi/U	<10	/U	<10	UJh/U	<10	UJi/U	NA
2-BUTANONE		UG/KG	<10	/U	<10	UJhi/U	<10	/U	<10	UJh/U	<10	UJi/U	NA
2-HEXANONE		UG/KG	<10	/U	<10	UJhi/U	<10	/U	<10	UJh/U	<10	UJi/U	NA
4-METHYL-2-PENTANONE		UG/KG	<10	/U	<10	UJhi/U	<10	/U	<10	UJh/U	<10	UJi/U	NA
ACETONE		UG/KG	42.1	UJz/	16.1	UJzhi/B	49	UJz/	78.9	UJzh/B	<10	UJi/U	NA
BENZENE		UG/KG	<10	/U	<10	UJhi/U	<10	/U	<10	UJh/U	<10	UJi/U	NA
BROMOFORM		UG/KG	<10	/U	<10	UJhi/U	<10	/U	<10	UJh/U	<10	UJi/U	NA
CARBON DISULFIDE		UG/KG	<10	/U	<10	UJhi/U	<10	/U	<10	UJh/U	<10	UJi/U	NA
CARBON TETRACHLORIDE		UG/KG	<10	/U	<10	UJhi/U	<10	/U	<10	UJh/U	<10	UJi/U	NA
CHLOROBENZENE		UG/KG	<10	/U	<10	UJhi/U	<10	/U	<10	UJh/U	<10	UJi/U	NA
CHLORODIBROMOMETHANE		UG/KG	<10	/U	<10	UJhi/U	<10	/U	<10	UJh/U	<10	UJi/U	NA
CHLOROETHANE		UG/KG	<10	/U	<10	UJhic/U	<10	/U	<10	UJhc/U	<10	UJi/U	NA
CHLOROFORM		UG/KG	<10	/U	<10	UJhi/U	<10	/U	<10	UJh/U	<10	UJi/U	NA
CIS-1,3-DICHLOROPROPYLENE		UG/KG	<10	/U	<10	UJhi/U	<10	/U	<10	UJh/U	<10	UJi/U	NA
DICHLOROBROMOMETHANE		UG/KG	<10	/U	<10	UJhi/U	<10	/U	<10	UJh/U	<10	UJi/U	NA
ETHYLBENZENE		UG/KG	5.33	J/J	<10	UJhi/U	<10	/U	<10	UJh/U	<10	UJi/U	NA
METHYL BROMIDE		UG/KG	<10	/U	<10	UJhi/U	<10	/U	<10	UJh/U	<10	UJi/U	NA
METHYL CHLORIDE		UG/KG	<10	/U	<10	UJhi/U	<10	/U	<10	UJh/U	<10	UJi/U	NA
METHYLENE CHLORIDE		UG/KG	42.6	UJz/B	9.58	UJzhi/JB	20.1	UJz/B	9.9	UJzh/JB	33.8	UJzi/B	NA

Table C4.5
LEHR Environmental Restoration
Analytical Results For ORI

Volatile Organics by CLP

	Background Level	UNITS	LEHR-SS-RA-0001 B-1, 0'		LEHR-SS-RA-0004 A-2, 0'		LEHR-SS-RA-0007 A-5, 0'		LEHR-SS-RA-0012 C-3, 0'		LEHR-SS-RA-0013 C-8, 0'		LEHR-SS-RA-0013DL1 C-8, 0'
STYRENE		UG/KG	<10	/U	<10	UJhi/U	<10	/U	<10	UJh/U	<10	UJi/U	NA
TETRACHLOROETHYLENE		UG/KG	<10	/U	<10	UJhi/U	<10	/U	<10	UJh/U	<10	UJi/U	NA
TOLUENE		UG/KG	1.12	UJz/J	<10	UJhi/U	<10	/U	<10	UJh/U	<10	UJi/U	NA
TRANS-1,3-DICHLOROPROPYLE		UG/KG	<10	/U	<10	UJhi/U	<10	/U	<10	UJh/U	<10	UJi/U	NA
TRICHLOROETHYLENE		UG/KG	<10	/U	<10	UJhi/U	<10	/U	<10	UJh/U	<10	UJi/U	NA
VINYL CHLORIDE		UG/KG	<10	/U	<10	UJhi/U	<10	/U	<10	UJh/U	<10	UJi/U	NA
XYLENES (TOTAL)		UG/KG	6.72	UJz/J	<10	UJhi/U	0.399	UJz/J	1.48	UJzh/J	1.57	UJzi/J	NA

Table C4.5
LEHR Environmental Restoration
Analytical Results For DPI Phase C

Volatile Organics by CLP

	Background Level	UNITS	LEHR-WS-RA-0001 Rinsate,	
1,1,1-TRICHLOROETHANE		UG/KG	<10	/U
1,1,2,2-TETRACHLOROETHANE		UG/KG	<10	/U
1,1,2-TRICHLOROETHANE		UG/KG	<10	/U
1,1-DICHLOROETHANE		UG/KG	<10	/U
1,1-DICHLOROETHYLENE		UG/KG	<10	/U
1,2-DICHLOROETHANE		UG/KG	<10	/U
1,2-DICHLOROETHYLENE		UG/KG	<10	/U
1,2-DICHLOROPROPANE		UG/KG	<10	/U
2-BUTANONE		UG/KG	<10	/U
2-HEXANONE		UG/KG	<10	/U
4-METHYL-2-PENTANONE		UG/KG	<10	/U
ACETONE		UG/KG	11.8	
BENZENE		UG/KG	<10	/U
BROMOFORM		UG/KG	<10	/U
CARBON DISULFIDE		UG/KG	<10	/U
CARBON TETRACHLORIDE		UG/KG	<10	/U
CHLOROBENZENE		UG/KG	<10	/U
CHLORODIBROMOMETHANE		UG/KG	<10	/U
CHLOROETHANE		UG/KG	<10	/U
CHLOROFORM		UG/KG	<10	/U
cis-1,3-Dichloropropene		UG/KG	<10	/U
DICHLOROBROMOMETHANE		UG/KG	<10	/U
ETHYLBENZENE		UG/KG	0.209	/J
METHYL BROMIDE		UG/KG	<10	/U
METHYL CHLORIDE		UG/KG	<10	/U
METHYLENE CHLORIDE		UG/KG	6.84	/JB
STYRENE		UG/KG	<10	/U

Table C4.5
LEHR Environmental Restoration
Analytical Results For DPI Phase C

Volatile Organics by CLP

	Background Level	UNITS	LEHR-WS-RA-0001 Rinsate,	
Tetrachloroethene		UG/KG	<10	/U
TOLUENE		UG/KG	2.43	/J
Trans-1,3-Dichloropropene		UG/KG	<10	/U
Trichloroethene		UG/KG	<10	/U
VINYL CHLORIDE		UG/KG	<10	/U
XYLENES (TOTAL)		UG/KG	2.26	/J

Table C4.5
LEHR Environmental Restoration
Analytical Results For ORI

Table Specifiers:

The following descriptions provide a brief explanation of codes used in association with the sample ids.

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FD= Field Duplicate
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NJ = The analysis indicates the presence of an analyte that has been "tentatively identified" and the associated numerical value represents its approximate concentration.
UJ = The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.
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The following descriptions provide brief explanation of the cause for qualification of the results determined in the data review process. These reason codes are used in combination with data qualifier, i.e. "Uz" indicated the analyte is non-detect due to method blank contamination.

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d = Matrix duplicate imprecision or matrix spike/matrix spike duplicate imprecision.
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i = Internal standard failure.
l = Laboratory control sample (LCS) recovery failure.
m = Matrix spike/matrix spike duplicate (MS/MSD) recovery failure.
s = Surrogate spike recovery failure.
z = Method blank contamination.
/ = Validation Qualifier / Lab Qualifier.
B = Analyte was detected in the associated method blank.
E = Concentration exceeds calibration range.
P = Concentrations between the two GC columns are greater than 25% difference.
N= Spiked sample recovery not within control limits.
* = Duplicate analysis not within control limit.

Table C4.6
LEHR Environmental Restoration
Analytical Results For ORI

RADs

Lab_chem	Background Levels	Units	LEHR-SS-RA-0001 B-1, 0 '				LEHR-SS-RA-0002 B-1, 0.5 '				LEHR-SS-RA-0003 B-1, 1.5 '				LEHR-SS-RA-0004 A-2, 0 '			
			Value		Uncert	MDA	Value		Uncert	MDA	Value		Uncert	MDA	Value		Uncert	MDA
ACTINIUM-228	0.64	PCI/G	0.502		0.147	0.104	---		---	---	---		---	---	0.547		0.142	0.0836
AMERICIUM-241	0.014	PCI/G	0.0056	/U	0.0262	0.058	---		---	---	---		---	---	-0.0062	/U	0.0306	0.0724
BISMUTH-212	0.43	PCI/G	0.277	/J	0.173	0.252	---		---	---	---		---	---	0.301	/J	0.163	0.18
BISMUTH-214	0.54	PCI/G	**1.66**		0.229	0.0561	---		---	---	---		---	---	**0.549**		0.0902	0.0419
CARBON-14	0.13	PCI/G	-0.682	/U	0.744	1.32	---		---	---	---		---	---	-0.422	/U	0.675	1.19
CESIUM-137	0.012	PCI/G	**0.32**		0.0489	0.0265	---		---	---	---		---	---	**0.224**		0.0463	0.0264
COBALT-60	0.006	PCI/G	0.0109	/U	0.0196	0.035	---		---	---	---		---	---	0.0039	/U	0.0151	0.0271
GROSS ALPHA	8.7	PCI/G	**11.7**		2.97	2.42	---		---	---	---		---	---	7.74		2.47	2.15
LEAD-210	1.6	PCI/G	0.981	/U	1.83	1.68	---		---	---	---		---	---	1.14	/U	4.48	5.19
LEAD-212	0.7	PCI/G	0.486		0.0734	0.0492	---		---	---	---		---	---	0.475		0.074	0.0388
LEAD-214	0.58	PCI/G	**1.82**		0.242	0.0562	---		---	---	---		---	---	**0.589**		0.101	0.0482
NONVOLATILE BETA	15	PCI/G	**16.3**		2.07	2.17	---		---	---	---		---	---	14.5		1.92	1.96
PLUTONIUM-241	0.5	PCI/G	0.121	/U	0.5	0.847	---		---	---	---		---	---	0.248	/U	0.575	0.971
POTASSIUM-40	14	PCI/G	12.9		1.58	0.258	---		---	---	---		---	---	13		1.51	0.229
RADIUM-226	0.75	PCI/G	**1.28**		0.433	0.321	**1.24**		0.405	0.241	0.422	/J	0.246	0.239	**0.995**		0.386	0.319
STRONTIUM-90	0.056	PCI/G	-0.0347	/U	0.243	0.519	0.18	/U	0.224	0.449	0.2	/U	0.251	0.503	0.138	/U	0.323	0.664
THALLIUM-208	0.22	PCI/G	0.0	/U	0.0337	0.0489	---		---	---	---		---	---	0.137	/J	0.0355	0.0257
THORIUM-234	0.78	PCI/G	0.714	/U	0.844	0.785	---		---	---	---		---	---	0.637	/U	1.01	0.976
TRITIUM	1.2	PCI/G	0.412	/U	1.6	2.75	---		---	---	---		---	---	-0.701	/U	1.31	2.34
URANIUM-235	0.039	PCI/G	0.0031	/U	0.108	0.183	---		---	---	---		---	---	0.0395	/U	0.0763	0.136
URANIUM-238	0.65	PCI/G	0.714	/U	0.844	0.785	---		---	---	---		---	---	0.637	/U	1.01	0.976
WEIGHT OF SAMPLE, A		MG	72		NA	0.0	---		---	---	---		---	---	76.5		NA	0.0
WEIGHT OF SAMPLE, SR		MG	8		NA	0.0	9.2		NA	0.0	8		NA	0.0	6.6		NA	0.0

Table C4.6
LEHR Environmental Restoration
Analytical Results For ORI

RADs

Lab_chem	Background Levels	Units	LEHR-SS-RA-0005 A-2, 0.5 '				LEHR-SS-RA-0006 A-2, 1.5 '				LEHR-SS-RA-0007 A-5, 0 '				LEHR-SS-RA-0008 A-5, 0.5 '			
			Value		Uncert	MDA	Value		Uncert	MDA	Value		Uncert	MDA	Value		Uncert	MDA
ACTINIUM-228	0.64	PCI/G	---		---	---	---		---	---	0.546		0.135	0.0892	---		---	---
AMERICIUM-241	0.014	PCI/G	---		---	---	---		---	---	-0.0051	/U	0.0275	0.07	---		---	---
BISMUTH-212	0.43	PCI/G	---		---	---	---		---	---	**0.461**	/J	0.206	0.225	---		---	---
BISMUTH-214	0.54	PCI/G	---		---	---	---		---	---	0.498		0.0902	0.0513	---		---	---
CARBON-14	0.13	PCI/G	---		---	---	---		---	---	-0.675	/U	0.706	1.26	---		---	---
CESIUM-137	0.012	PCI/G	---		---	---	---		---	---	**0.219**		0.042	0.0281	---		---	---
COBALT-60	0.006	PCI/G	---		---	---	---		---	---	0.0012	/U	0.0152	0.028	---		---	---
GROSS ALPHA	8.7	PCI/G	---		---	---	---		---	---	5.95		2.19	2.08	---		---	---
LEAD-210	1.6	PCI/G	---		---	---	---		---	---	0.491	/U	3.95	3.59	---		---	---
LEAD-212	0.7	PCI/G	---		---	---	---		---	---	0.561		0.0837	0.0378	---		---	---
LEAD-214	0.58	PCI/G	---		---	---	---		---	---	**0.636**		0.11	0.0507	---		---	---
NONVOLATILE BETA	15	PCI/G	---		---	---	---		---	---	13.7		1.9	2.05	---		---	---
PLUTONIUM-241	0.5	PCI/G	---		---	---	---		---	---	0.246	/U	0.511	0.863	---		---	---
POTASSIUM-40	14	PCI/G	---		---	---	---		---	---	13.5		1.52	0.22	---		---	---
RADIUM-226	0.75	PCI/G	0.646		0.297	0.238	0.487	/J	0.277	0.302	0.583		0.298	0.301	0.497	/J	0.268	0.244
STRONTIUM 90	0.056	PCI/G	0.314	/U	0.286	0.562	0.213	/U	0.312	0.632	0.088	/U	0.327	0.679	0.264	/U	0.341	0.684
THALLIUM 208	0.22	PCI/G	---		---	---	---		---	---	0.152	/J	0.0404	0.0261	---		---	---
THORIUM-234	0.78	PCI/G	---		---	---	---		---	---	0.321	/U	0.867	0.959	---		---	---
TRITIUM	1.2	PCI/G	---		---	---	---		---	---	0.0	/U	1.53	2.65	---		---	---
URANIUM-235	0.039	PCI/G	---		---	---	---		---	---	0.0343	/U	0.0797	0.141	---		---	---
URANIUM-238	0.65	PCI/G	---		---	---	---		---	---	0.321	/U	0.867	0.959	---		---	---
WEIGHT OF SAMPLE, A		MG	---		---	---	---		---	---	80.3		NA	0.0	---		---	---
WEIGHT OF SAMPLE, SR		MG	6.8		NA	0.0	7.1		NA	0.0	6.7		NA	0.0	6.1		NA	0.0

Table C4.6
LEHR Environmental Restoration
Analytical Results For ORI

RADs

Lab_chem	Background Levels	Units	LEHR-SS-RA-0009 A-5, 1.5 '				LEHR-SS-RA-0010 A-11, 0 '				LEHR-SS-RA-0011 B-14, 0 '				LEHR-SS-RA-0012 C-3, 0 '			
			Value		Uncert	MDA	Value		Uncert	MDA	Value		Uncert	MDA	Value		Uncert	MDA
ACTINIUM-228	0.64	PCI/G	---		---	---	---		---	---	---		---	---	0.0	/U	0.163	0.194
AMERICIUM-241	0.014	PCI/G	---		---	---	---		---	---	---		---	---	0.0178	/U	0.0339	0.0673
BISMUTH-212	0.43	PCI/G	---		---	---	---		---	---	---		---	---	0.175	/U	0.272	0.285
BISMUTH-214	0.54	PCI/G	---		---	---	---		---	---	---		---	---	0.419		0.108	0.0661
CARBON-14	0.13	PCI/G	---		---	---	---		---	---	---		---	---	0.451	/U	0.758	1.29
CESIUM-137	0.012	PCI/G	---		---	---	---		---	---	---		---	---	**0.117**		0.0419	0.0369
COBALT-60	0.006	PCI/G	---		---	---	---		---	---	---		---	---	0.0034	/U	0.0203	0.037
GROSS ALPHA	8.7	PCI/G	---		---	---	---		---	---	---		---	---	**8.83**		2.57	2.07
LEAD-210	1.6	PCI/G	---		---	---	---		---	---	---		---	---	0.0345	/U	2.02	1.9
LEAD-212	0.7	PCI/G	---		---	---	---		---	---	---		---	---	0.357		0.0806	0.0509
LEAD-214	0.58	PCI/G	---		---	---	---		---	---	---		---	---	0.437		0.113	0.0645
NONVOLATILE BETA	15	PCI/G	---		---	---	---		---	---	---		---	---	13.9		2.04	2.47
PLUTONIUM-241	0.5	PCI/G	---		---	---	---		---	---	---		---	---	0.0412	/U	0.538	0.914
POTASSIUM-40	14	PCI/G	---		---	---	---		---	---	---		---	---	7.07		1.04	0.31
RADIUM-226	0.75	PCI/G	0.692		0.359	0.417	0.468	/J	0.267	0.29	0.682		0.337	0.334	0.426	/J	0.249	0.242
STRONTIUM-90	0.056	PCI/G	0.0274	/U	0.366	0.771	0.214	/U	0.278	0.559	0.0136	/U	0.305	0.643	-0.15	/U	0.397	0.854
THALLIUM-208	0.22	PCI/G	---		---	---	---		---	---	---		---	---	0.136	/J	0.0492	0.0368
THORIUM-234	0.78	PCI/G	---		---	---	---		---	---	---		---	---	0.345	/U	1.25	0.984
TRITIUM	1.2	PCI/G	---		---	---	---		---	---	---		---	---	-1.1	/U	1.36	2.45
URANIUM-235	0.039	PCI/G	---		---	---	---		---	---	---		---	---	0.0506	/U	0.112	0.2
URANIUM-238	0.65	PCI/G	---		---	---	---		---	---	---		---	---	0.345	/U	1.25	0.984
WEIGHT OF SAMPLE, A		MG	---		---	---	---		---	---	---		---	---	65.5		NA	0.0
WEIGHT OF SAMPLE, SR		MG	6		NA	0.0	7.4		NA	0.0	7.1		NA	0.0	6.1		NA	0.0

Table C4.6
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RADs

Lab_chem	Background Levels	Units	LEHR-SS-RA-0013 C-8, 0 '				LEHR-SS-RA-0014 C-13, 0 '				LEHR-SS-RA-0015 A-5, (FD), 0 '			
			Value		Uncert	MDA	Value		Uncert	MDA	Value		Uncert	MDA
ACTINIUM-228	0.64	PCI/G	0.38	/J	0.134	0.109	---		---	---	---		---	---
AMERICIUM-241	0.014	PCI/G	**0.037**	/U	0.0289	0.0731	---		---	---	---		---	---
BISMUTH-212	0.43	PCI/G	0.0	/U	0.144	0.285	---		---	---	---		---	---
BISMUTH-214	0.54	PCI/G	0.473		0.0994	0.0501	---		---	---	---		---	---
CARBON-14	0.13	PCI/G	-0.166	/U	0.718	1.25	---		---	---	---		---	---
CESIUM-137	0.012	PCI/G	**0.0563**	/J	0.0332	0.0303	---		---	---	---		---	---
COBALT-60	0.006	PCI/G	-0.007	/U	0.0162	0.0286	---		---	---	---		---	---
GROSS ALPHA	8.7	PCI/G	**9.28**		1.99	1.72	---		---	---	---		---	---
LEAD-210	1.6	PCI/G	0.683	/U	1.98	3.33	---		---	---	---		---	---
LEAD-212	0.7	PCI/G	0.405		0.072	0.056	---		---	---	---		---	---
LEAD-214	0.58	PCI/G	0.465		0.0955	0.0466	---		---	---	---		---	---
NONVOLATILE BETA	15	PCI/G	**16.2**		1.52	1.56	---		---	---	---		---	---
PLUTONIUM-241	0.5	PCI/G	-0.224	/U	0.581	0.993	---		---	---	---		---	---
POTASSIUM-40	14	PCI/G	10.4		1.25	0.316	---		---	---	---		---	---
RADIUM-226	0.75	PCI/G	0.402	/J	0.245	0.247	0.497	/J	0.283	0.308	0.5		0.26	0.23
STRONTIUM-90	0.056	PCI/G	**0.261**	/U	0.312	0.6	0.0253	/U	0.287	0.577	0.0413	/U	0.302	0.606
THALLIUM-208	0.22	PCI/G	0.168	/J	0.0408	0.0256	---		---	---	---		---	---
THORIUM-234	0.78	PCI/G	0.689	/U	0.853	0.812	---		---	---	---		---	---
TRITIUM	1.2	PCI/G	-1.12	/U	1.39	2.49	---		---	---	---		---	---
URANIUM-235	0.039	PCI/G	-0.0184	/U	0.0822	0.141	---		---	---	---		---	---
URANIUM-238	0.65	PCI/G	**0.689**	/U	0.853	0.812	---		---	---	---		---	---
WEIGHT OF SAMPLE,		MG	76		NA	0.0	---		---	---	---		---	---
WEIGHT OF SAMPLE,		MG	5.5		NA	0.0	5.8		NA	0.0	6.1		NA	0.0

Table C4.6
LEHR Environmental Restoration
Analytical Results For ORI

Table Specifiers:

The following descriptions provide a brief explanation of codes used in association with the sample ids.

WS= Ground water sample
FD= Field Duplicate
= Shading indicates that the measured concentration is above background

Data Validation Qualifier Definitions:

The following definitions provide brief explanations of the data validation qualifiers assigned to results in the data review process.

U = The analyte was analyzed for, but was not detected above the reported sample quantitation limit.
J = The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.
N = The analysis indicates the presence of an analyte for which there is presumptive evidence to make a "tentative identification".
NJ = The analysis indicates the presence of an analyte that has been "tentatively identified" and the associated numerical value represents its approximate concentration.
UJ = The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.
R = The sample results are rejected due to serious deficiencies in the ability to analyze the sample and meet quality control criteria. The presence or absence of the analyte cannot be verified.

Data Validation Reason Code Definitions:

The following descriptions provide brief explanation of the cause for qualification of the results determined in the data review process. These reason codes are used in combination with data qualifier, i.e. "Uz" indicated the analyte is non-detect due to method blank contamination.

c = Calibration failure; poor or unstable response.
d = Matrix duplicate imprecision or matrix spike/matrix spike duplicate imprecision.
f = Field replicate or duplicate imprecision.
h = Holding time violation.
i = Internal standard failure.
l = Laboratory control sample (LCS) recovery failure.
m = Matrix spike/matrix spike duplicate (MS/MSD) recovery failure.
s = Surrogate spike recovery failure.
z = Method blank contamination.
/ = Validation Qualifier / Lab Qualifier.
B = Analyte was detected in the associated method blank.
E = Concentration exceeds calibration range.
P = Concentrations between the two GC columns are greater than 25% difference.
N= Spiked sample recovery not within control limits.
* = Duplicate analysis not within control limit.