APPENDIX F

DATA QUALITY ASSESSMENT

APPENDIX F. DATA QUALITY ASSESSMENT

F.1 INTRODUCTION

A comprehensive quality assurance/quality control (QA/QC) program was followed during the Remedial Investigation (RI) conducted for the U.S. Army Environmental Center (USAEC) at Fort McClellan located in Anniston, Alabama, to ensure that analytical results and the decisions based on these results are representative of the environmental condition at Fort McClellan. The objectives of the RI were to investigate the presence, nature, and extent of potential environmental contamination resulting from previous controlled U.S. Army chemical warfare agent training activities and uncontrolled munitions and municipal waste disposal, and to collect and analyze sufficient numbers of samples to support recommendations for further investigation or corrective actions. The following documents were utilized during the evaluation of the QC data: the *U.S. Army Toxic and Hazardous Materials Agency (USATHAMA) Quality Assurance Program, PAM 11-41* (January 1990); QC requirements contained within the guidelines and specifications presented in the Quality Assurance Project Plan (QAPP) (August 1994) submitted as part of the project plans prepared by Science Applications International Corporation (SAIC); the *Installation Restoration Data Management Information System (IRDMIS), Volume II Data Dictionary,* Potomac Research Institute (PRI) (1995.1); the U.S. Environmental Protection Agency (EPA) Contract Laboratory Program (CLP) *Statement of Work for Inorganics Analysis*; the EPA CLP *Statement of Work for Organics Analysis*; and the EPA *Laboratory Data Validation Functional Guidelines for Evaluating Organics and Inorganics Analysis* (1988). The number of soil, sediment, surface water, and groundwater samples collected during the RI, in addition to the numbers of field QC samples collected and selected laboratory QC samples (i.e., matrix spikes and matrix spike duplicates [MS/MSDs]) analyzed, are presented in Tables F-1a and F-1b. The data validation worksheets are referenced within the subsection describing the applicable analysis. The QC checks and results are summarized below and validation tables are presented at the end of this appendix.

F.1.1 Data Quality Objectives

A comparison of the RI analytical results to project data quality objectives (DQOs) as defined in the QAPP formed the basis for evaluating the quality of the analytical data. As

described in the QAPP, analytical data must be of a known and acceptable quality in order to be used to evaluate contamination at Fort McClellan. DQOs are qualitative and quantitative indicators of data quality. DQOs were established during the initial scoping process to guide the implementation of the field sampling and laboratory analyses for the RI. A QA program was established to standardize procedures and document activities. The program provided a means to detect and correct any deficiencies in the process. DQOs are set to define and establish the criteria against the fitness of the data. Both quantitative and qualitative DQOs were established for the RI. Data verification and validation of 30 percent of the resulting analytical data packages ensured that DataChem Laboratories (DCL) and Environmental Science & Engineering (ES&E) produced an acceptable quality level for results. Field activities affecting precision and accuracy were controlled by strict adherence to approved standard operating procedures (SOPs) and documentation of the field tasks. Field logbooks noted exceptions to the procedures and chain-of-custody records tracked sample shipments and receipt of these shipments by DCL and ES&E. These results confirmed that no cross-contamination due to sample handling practices or inadequate equipment decontamination occurred. Sampling precision was estimated by the analysis of field duplicate samples. Indicators used to assess both field and laboratory data quality include precision, accuracy, representativeness, comparability, and completeness (PARCC). The following sections summarize the DQOs for the PARCC parameters obtained during the RI.

F.1.1.1 Precision

Precision is a measure of the degree of the repetitiveness of a determination of an analytical result. It can be defined as the agreement between the numerical values of two or more measurements that have been under identical conditions. Precision can thus be seen as a measure of the magnitude of errors. The overall precision of the measurement data is a mixture of sampling and analytical factors. Analytical precision can be measured through the analysis of USAEC Class 1, 1A, and 1B spiked QC sample recoveries; and sampling precision and spatial variability of contamination can be assessed through the analysis of the field duplicates. Precision is stated in terms of standard deviation, coefficient of variation, range, and relative percent difference (RPD). Precision was evaluated based on the analysis of three different types

of QC samples: USAEC Class 1, 1A, and 1B spiked QC samples, MS/MSDs, and duplicate field sample analyses.

The first type of QC sample, USAEC spiked QC samples, is required as part of the USAEC analytical program for all methods. USAEC spiked QC samples provide ongoing information on the performance of each analytical method in a standard matrix. The results are compiled on single-day and three-day control charts (i.e., X-bar and range) and submitted to the USAEC chemist for approval before sample results may be loaded into the IRDMIS data base. The QC charts (i.e., single-day and three-day range control charts) show that all analyses performed by gas chromatography/mass spectrometry (GC/MS), gas chromatography (GC), high performance liquid chromatography (HPLC), inductively coupled argon plasma (ICAP), graphite furnace atomic absorption (GFAA), cold vapor, and colorimetric techniques have acceptable precision with a few exceptions. The range for the precision control charts (i.e., three-day range) for two organochlorine pesticides/polychlorinated biphenyls (PCBs) (i.e., chlordane and PCB260) from lot AMEO (30.2 and 44 percent) were above the upper control limits (UCLs). The low spike ranges for 1,3,5-trinitrobenzene (135TNB) (119.2 percent), 2,4,6-trinitrotoluene (246TNT) (28.3 percent), and nitrobenzene (45 percent) in lot AMKM were above the UCLs. The range for the precision control chart (i.e., three-day range) for nitroglycerin in lot AKTU (i.e., 50 percent) was above the UCL. The high spike range for dimethyl disulfide (14.8 percent) in lot VDKA was above the UCL. The range for the precision control chart (i.e., three-day range) in lot RGAN was above the UCLs for benzothiasole (BTE) (17.5 percent), 4-chlorophenylmethyl sulfide (CPMS) (17.4 percent), 4-chlorophenylmethyl sulfoxide (15.7 percent), 4-chlorophenylmethyl sulfoxide (15.5 percent), dithiane (DITH) (18.7 percent), dimethyl disulfide (DMDS) (14.8 percent), and 1,4-oxathiane (OXAT) (16.7 percent). These exceptions are attributable to the fluctuations in analytical sensitivity and are considered to have a minimal impact on data usability.

The RPDs of the MS/MSD samples is the second type of QC sample used to assess the precision of the data quality. The laboratory selected 1 sample in 20 and split the sample into 3 sample portions. MS/MSD samples were prepared by routinely analyzing the first portion for the parameters of interest, while the remaining two portions were spiked with known quantities

of the parameters of interest before analysis. The RPD between the spike results was calculated and used as an indication of the analytical precision for the volatile organic compounds (VOCs), semivolatile organic compounds (SVOCs), organochloride pesticide/PCBs, explosives, chemical agent breakdown products, metals, and five-day biochemical oxygen demand (BOD) analyses. The RPD between the two concentrations was calculated and used as an indication of the analytical precision for the analyses performed. However, the usefulness of the RPD is limited to samples that contain contaminants above the certified reporting limit (CRL) so that the random background and signal fluctuations are a small percentage of the signal, and therefore, do not contribute significantly to the measured precision. In addition, samples in a solid matrix with a high degree of inhomogeneity can exhibit lack of precision in the duplicate analysis.

All RPD values calculated from the VOC (5 values reviewed) and SVOC (22 values reviewed) soil MS/MSD analyses were within the EPA CLP advisory control limits. Since each analysis was evaluated according to the required QC criteria described in Section F.3 and all of these criteria were met for the environmental samples analyzed, these RPD values are considered to be a more representative reflection of the variability characteristic of the environmental condition at Fort McClellan, and as a result, the analytical DQO for VOC and SVOC precision is considered to have been met. The RI QAPP specifies the criteria for the RPD of MS/MSDs for organochloride pesticide/PCBs. One RPD value (of 6 values reviewed) for organochloride pesticide/PCBs was outside the required control limits. This result is considered to have little impact on the environmental data quality and considered more likely to be the result of the regional matrix variability, since all other required analytical QC criteria were met. Therefore, the analytical precision DQO for organochloride pesticide/PCB analyses is considered to have been met. All RPD values calculated from VOC, vinyl chloride, SVOC, polynuclear aromatic hydrocarbon (PAH), pentachlorophenol (PCP), hexachlorobenzene (CL6BZ), organochlorine pesticide/PCB, and BOD analyses were within the laboratory advisory control limits. No specific control limits for laboratory precision were established for chemical agent breakdown products, explosives-related compounds, and metals. Overall, the analytical precision DQO for those analyses is considered to have been met. The analytical QC criteria used to evaluate analytical precision and all MS/MSD results are discussed in Section F.3.

The third type of QC sample, field duplicate samples, was included as part of the RI. Field duplicate samples assess the precision of the sampling techniques and spatial variability of the contamination. Field duplicates were collected using the same techniques as those used to collect the environmental samples. Field duplicates were collected at a rate of 1 duplicate per 10 field samples per matrix for each parameter. No specific control limits for field precision were established in part because the natural heterogeneity of the environmental media was much greater than the variability imparted by field activities.

Field RPD values were calculated only for compounds and elements detected in concentrations greater than the CRLs in both duplicate pair samples. To gain an appreciation of how far each individual RPD value departed from the mean, a summary statistics may be appropriate. Table F-2 provides a summary, by medium and by analyte, of the RPD for field replicates. For a basis of comparison, Table F-2 includes lower and upper limits that are three standard deviations above and below the mean. Thus, in a normal distribution, a range of three standard deviations above and below the mean includes 99.7 percent of the RPD values. There are 99.7 chances out of 100 (i.e., 99.7 percent confidence) that the RPD computed from a random sample of field duplicates will not be further away than three standard deviation above and below the mean. Since three standard deviations on either side of the mean include all of the cases in normal distributions, the standard deviation is about 1/6 of the range. As one might expect, soil heterogeneity imparts a large degree of uncertainty to what might be considered representative values. Average RPDs were calculated only for that analyte or compound detected in at least two field duplicate pairs. Average RPDs in soil range from roughly 8.9 to 143 percent for metals, 24.7 to 200 percent for SVOCs, and 136 to 200 percent for organochlorine pesticides/PCBs. Average RPD values for water demonstrate small differences between field duplicates. In fact, the soil field duplicates were more variable than water field duplicates as deduced from average values. Average RPDs in water range from roughly 1.5 to 168.2 percent for metals and 14.3 to 200 percent for organochlorine pesticides/PCBs. All individual RPD and average RPD values for VOCs, SVOCs, organochlorine pesticides/PCBs, explosives, organosulfurs, nitroglycerine, and metals in soil and water field duplicates are within three standard deviations below and above the mean. Overall, project precision for environmental analyses has been determined to be adequate for the uses of the analytical data,

which were to identify the contaminants and provide an assessment of the distribution of each analyte in both soil and water matrices. Section F.2.3 presents a comprehensive discussion of all field duplicate sample results.

F.1.1.2 Accuracy

Accuracy is the closeness of agreement between an observed result and the true value for a sample analysis. Accuracy can be evaluated for a particular method by measuring the agreement between an observed result from analysis of a reference standard with an analytical lot and its certified value. Accuracy is usually expressed in terms of bias (high or low). Bias is assessed by the percent recovery of a compound or element that has been added to the QC sample or environmental sample prior to analysis. Sampling accuracy is assessed by evaluating the results of the source water, trip blanks, and equipment rinsates; analytical accuracy is assessed through the use of USAEC spike QC samples and MS/MSDs. Analytical accuracy is expressed as the percent recovery of a compound or element that has been added to the environmental sample at a known concentration before analysis. The percent recovery values were calculated using the following equation:

$$\frac{S_s - S_o}{S_a} x\ 100$$

where:

S_s = Total compound or element concentration detected in the spiked sample

S_o = Concentration of the compound or element detected in the unspiked sample

S_a = Concentration of the compound or element added to the sample.

Analytical accuracy for this project was measured through the use of Class 1, 1A, and 1B USAEC spiked QC samples (low and high spike recoveries), surrogate spiked QC samples (GC/MS only), surrogate field samples (GC/MS only), and MS/MSD samples. Each type of spiked sample provided different information on the accuracy of the measurement system.

Class 1, 1A, and 1B USAEC spike QC sample recoveries were used as a primary control of accuracy in the laboratory system. The laboratory plotted the mean percent recovery and range of percent recovery on control charts for each control chemical. The laboratory utilized the percent recovery of each chemical in spiked QC samples, the average percent recovery, and the difference between the percent recovery of two high spiked samples in a continuous assessment of method accuracy.

Review of the USAEC QC control charts shows that all analyses performed by GC, HPLC, ICAP, GFAA, and cold vapor techniques had acceptable accuracy, except for lots AMEO, AMKL, AMLF, AKTT, AMEK, AMET, AMHP, AMCG, AKTU, VDKA, RGAM, RGAN, AKYO, AKYP, and PHYB. For USAEC QC spike samples in lot AMEO, analyzed on June 21, 1994 by USAEC Method UH20, the three-day control charts were out-of-control for chlordane and aldrin. The average recovery for chlordane on the low spike (83.9 percent) was below the lower control limit (LCL), and the average recovery for aldrin on the low spike (111.3 percent) was above the UCL. For USAEC QC spike samples in lots AMKL and AMLF, analyzed on July 2 and 8, 1994, the three-day control charts were out-of-control for aldrin. The average recoveries for aldrin on the low spikes (113.7 and 121.7 percent) were above the UCLs. Lots AKTT, AMEK, AMET, AMHP, and AMCG, analyzed between May 19 and June 25, 1994, had various three-day and single-day control charts out-of-control for 246TNT, 135TNB, hexahydro-1,3,5-trinitro-s-triazine (RDX), and 2,4-dinitrotoluene (24DNT), which were analyzed by USAEC Methods UW25 and LW23. The three-day recoveries for 246TNT (72.2 and 91.5 percent), 24DNT (64.3 and 87.7 percent), 135TNT (69.7 and 73.5 percent), and RDX (51 and 88.6 percent) were below the LCLs. The average recoveries for RDX (144 percent) and 246TNT (96 percent) in lot AMEK were above the UCLs. For QC samples in lots AMEK, AMHP, and AMCG, the single-day X-bar control charts for 24DNT (89.2 and 89.4 percent) and RDX (50 percent) were below the LCLs. Standards, initial calibration, daily calibration, and check standards for lots AKTT, AMEK, AMET, AMHP, and AMCG are acceptable. No anomalies were found in the review of the analysis that could account for the spike recoveries below the LCLs and above the UCLs for the samples in these lots. All explosives were reported less than (LT) in field samples reported in these lots. The out-of-control situations are expected to have a minimal impact on the data usability. For lot AKTU, analyzed on May 19, 1994 for

pentaerythritol tetranitrate (PETN) by USAEC Method LW27, the three-day X-bar control chart was below the LCL. The high spike X-bar recoveries in lot AKTU were within the control limits, and therefore, the environmental sample data are not adversely affected by this out-of-control situation. The PETN results are considered acceptable and the data are valid.

For QC samples in lot VDKA, analyzed on July 18, 1994 by USAEC Method UL04, the three-day X-bar control chart for DITH (89.8 percent) was above the LCL. Lots RAGM and RAGN, analyzed on July 18, 1994, had single-day control charts out-of-control for CPMS02 (99.1 percent), DMDS, and OXAT by USAEC Method LL03. The single-day recovery for CPMS02 (99.1 percent) was above the UCL and the average recoveries for DMDS (78.9 percent) and OXAT (82.2 percent) were below the LCLs. Standards, daily calibration, and check standards for lots VDKA, RAGN, and RAGM were within the control limits. DITH, CPMS02, DMDS, and OXAT were reported LT in field samples reported in these lots, and therefore, the impact of these out-of-control situations on data quality is believed to be negligible.

Lot AKYO, analyzed on June 3, 1994 for metals by USAEC Method JS12, had three-day X-bar percent recovery for tin (54.7 percent) below the LCL. This out-of-control situation is expected to have a minimal impact on data usability, since tin was reported LT in the field. Lot PHYB was characterized by a one-day X-bar for thiodiglycol percent recovery (103.8 percent) above the UCL. However, no environmental samples showed detectable thidiglycol concentrations, and therefore, the impact of this out-of-control situation is negligible. For QC spike samples in lot AKYP, analyzed on May 20, 1994, the three-day X-bar control chart was above the UCL for arsenic. The average percent recovery on low spike was 107.8 percent. This out-of-control situation in the X-bar control chart should have a minimal impact on the corresponding data. The field sample data may be quantitated slightly high.

A variety of individual low and high spike recoveries (i.e., USAEC Methods KK8, UW25, LW23, LW27, UH20, LL03, UL04, JS12, and B9) were slightly outside the control limits. The magnitude of these points was attributed to normal variation in the distribution of

recovery values for the method. The impact of these individual points on data quality is believed to be negligible.

The percent recoveries of the surrogates spiked into standard matrix method blanks for VOC and SVOC analyses was the second type of QC used to assess the accuracy of the data quality. Surrogate compounds spiked into standard matrix method blanks provide information on the accuracy and precision of the analysis of each analytical lot and indicate if the analytical process is performing at an optimal level. Analysis of VOCs by USAEC Methods UM21 and LM23 for lots AKSN, AMHV, AMDA, and AMGS, analyzed between April 30 and June 16, 1994 had three-day X-bar and range control charts within the control limits. Lots AMEN, AMGK, AMGL, AMHM, AMKW, AMIL, AMLD, and AKVK, analyzed for SVOCs by USAEC Methods UM25 and LM25 between June 22 and July 1, 1994, were within the control limits.

Ten individual recoveries for surrogates spiked into the standard method matrix blank were slightly above the UCL, but are not deemed to affect the field data, since all internal standards, instrument tunes, and calibrations are acceptable. The magnitude of these points was attributed to normal variation in the distribution of recovery values for the method. One VOC individual surrogate recovery (i.e., ethylbenzene-d_{10}) in lot AMGS was above the UCL (104.2 percent). The frequency of the SVOC surrogates that exceeded the control limits are as follows: two times for phenol-d_6 (PHEND6), three times for 2-chlorophenol-d_4 (2CLD4), two times for 2,4,6-tribromophenol (246TBP), and one time for diethyl phthalate-d_4 (DEPD4) and nitrobenzene-d_5 (NBD5). The internal standards, instrument tune, and daily calibration are acceptable, and as a result, the impact of these individual recoveries outside the control limits are believed to have a minimal impact on data usability.

The percent recoveries of the surrogates for VOC, SVOC, vinyl chloride, PAH, and pentachlorophenol (PCP) analyses was the third type of QC used to assess the accuracy of the data quality. Surrogate compounds spiked into field samples provide information on the efficiency of all steps of the GC/MS, GC, and HPLC methods in recovering these compounds from the individual sample matrices. In the USAEC analytical program, surrogate recoveries

are not used to determine if an analytical method is in control, but are used to obtain information on recovery effects in the environmental matrix. The QC limits for recovery of all surrogates for soil and groundwater environmental samples for VOCs and SVOCs were those established for the USAEC QC spike samples that were submitted by DCL for each analytical lot (i.e., LCL and UCL). Forty-nine (of 100 values reviewed) VOC, 27 (of 270 values reviewed) SVOC, and one (of 82 values reviewed) vinyl chloride surrogate percent recoveries were outside the applicable control limits. Above average recoveries of the surrogates spiked into environmental samples indicate positive matrix interferences and the result may overestimate the true value; below average recoveries indicate negative matrix interferences and the result may underestimate the true value. Based upon the low or high surrogate spike recoveries for VOC, SVOC, and vinyl chloride, results may be biased low or high and may include false negatives or false positives. All supporting VOC, SVOC, and vinyl chloride, information cited above also was qualitatively evaluated with respect to the analytical accuracy DQO. All of the surrogate recoveries spiked into the environmental samples analyzed for PAH and PCP were within the method control limits.

While USAEC QC spike samples measure the accuracy of the methods independent of the sample matrix (i.e., the laboratory control sample matrix is not the same as the environmental sample), accuracy determined by MS/MSD samples is a function of both matrix and method. All VOC MS/MSD percent recoveries were within the EPA CLP control limits for 30 percent of the data that were validated. Recovery values of 6 out of 44 reviewed SVOC MS/MSD results were outside the EPA CLP advisory control limits. Above upper limit recoveries in the natural matrix spikes indicate possible interferences and possible high bias data. Below lower limit recoveries in the natural matrix spikes indicate negative matrix interferences and possible low bias data. Despite these values, no systematic laboratory error was detected; however, the results are considered to have little impact on the overall environmental data quality. Two organochlorine pesticide/PCB MS/MSD values (32 values reviewed) were below the lower control limit due to possible matrix interferences. Standard matrix spikes did not exhibit low recoveries and calibration check standards were within criteria. Antimony, lead, and selenium were consistently outside the 75 to 125 percent limits. Antimony, lead, and selenium are typically difficult to recover and are subject to interferences. Antimony also exhibited poor

MS/MSD recoveries because of losses incurred by volatilization during acid digestion. The frequency of those MS/MSD recoveries that exceeded the control limits are as follows: six times for antimony and two times for lead and selenium. All supporting metals QC information cited above also was qualitatively evaluated with respect to the analytical accuracy DQO. Based on the evaluation of the MS/MSD results and the associated laboratory QC results summarized in Section F.3, on a project-wide basis, the laboratory accuracy has been determined to be acceptable for all analyses, and as such, the analytical DQO for accuracy was met, except where noted.

In addition, analysis accuracy was calculated for all USAEC methods based on found versus recovered compounds in each sample. Analysis accuracy is reported with each applicable lot of the data to USAEC. Concentrations reported on IRDMIS reflect the accuracy of the analytical method.

Sampling accuracy was maximized by the adherence to the strict QA program presented in the RI QAPP. All procedures (i.e., soil boring; soil, sediment, surface water, and groundwater sample collection procedures; equipment decontamination; and health monitoring equipment calibration and operation) used during the RI were documented in the QAPP. Field QC blanks (i.e., source water, trip blanks, and equipment rinsates) were prepared to ensure that all samples represent the particular site from which they were collected, assess any cross-contamination that may have occurred, and qualify the associated analytical data accordingly.

During the sampling program, approximately 34 percent of the samples collected during the program were field QC blanks (i.e., trip blanks and equipment rinsates) obtained to determine the degree of cross-contamination or ensure successful decontamination procedures. The majority of the trip blank results were generally below the CRLs. The IRDMIS code flag (i.e., "G") was applied to one arsenic, five calcium, and three zinc concentrations detected in soil samples collected from former Landfill #1. The flagged analytical results indicate that these concentrations are considered high bias, since the concentrations detected in the environmental samples did not exceed five times that detected in the associated equipment rinsate. The IRDMIS code flag (i.e., "B") was applied to aluminum, boron, calcium, iron, magnesium, and

zinc detected in the USAEC QC spike soil samples (i.e., QC 32920-1 and QC32920-2) and to four boron concentrations detected in field samples form lot ALYO to indicate that the flagged concentrations were less than five times those detected in the associated soil method and reagent blanks. Despite the flag code, these field QC results are not considered to have adversely impacted the environmental sample data quality. Based on an evaluation of the compounds and elements detected in the field QC blanks, the overall field accuracy is acceptable, except where noted. As a result, the field DQO for accuracy is considered to have been met. A comprehensive discussion of the field QC results is presented in Section F.2.

F.1.1.3 Representativeness

Representativeness is defined as the degree to which the data accurately and precisely represent a characteristic of a population, parameter variations at a sampling location, a process condition, or an environmental condition. Representativeness is the qualitative parameter concerned most with the proper design of the sampling program. The selected sampling methods ensure than an environmental sample accurately represent the characteristic population from which it was obtained. Although considerable information was available regarding the historical activities conducted at the RI sites, potential contaminant source areas within the sites were not well-defined at all of the sites. Soil samples were collected from areas suspected of having the highest potential for contamination, and also to obtain areal coverage of the sites. Field screening was conducted at Fort McClellan to rapidly assess broad site areas for potential buried contaminant sources and contaminant hot spots, and to assess subsurface samples for the presence of chemical warfare agent. Soil samples also were screened for VOCs. Thirty-six monitoring wells were installed at seven of the RI sites, including Area T-24A, Area T-38, Landfill #1, Landfill #3, Range J, Range L, and the Old Water Hole. The final well locations, depths, and screening intervals were based on encountered field conditions. Factors that affect the representativeness of the analytical data include improper preservation, holding times, use of standard analytical methods, and matrix or analyte interferences. Holding times and preservation criteria are based on the most restrictive holding times recommended by USAEC and/or EPA for water and soil matrices. Sample representativeness was ensured during the RI by collecting sufficient samples of a population medium, properly distributed with respect to location and time. Representativeness was assessed by reviewing the drilling techniques and

equipment, sample collection methods, equipment, and sample containers used during the RI, in addition to evaluating the RPD values calculated from the duplicate samples. The reproducibility of a representative set of samples reflects the degree of heterogeneity of the sampled medium, as well as the effectiveness of the sample collection techniques. Intervals for soil sampling were chosen to obtain the strata with the highest concentrations of contaminants in order to achieve the most conservative representation and to optimize the number of samples required.

Based on the evaluation of the factors described above and summarized in Section F.3, the samples collected during the RI are considered to be representative of the environmental condition at Fort McClellan.

F.1.1.4 Comparability

Comparability is a qualitative parameter expressing the confidence with which one data set can be compared to another and is limited to the other PARCC parameters, because only when precision and accuracy are known can one data set be compared to another. Quantitative criteria for determining if representativeness has been achieved are not specifically stated. To optimize comparability, only the specific methods and protocols that were specified in the QAPP, as required by the *USATHAMA Quality Assurance Program, PAM 11-41* (January 1990), were used to collect and analyze samples during the RI at Fort McClellan. By using consistent sampling and analysis procedures, all data sets were comparable within the sites at Fort McClellan, between sites at the installation, or among U.S. Army facilities nationwide, to ensure that remedial action decisions and priorities were based on a consistent data base. Comparability also was ensured by the analysis of USAEC and EPA reference materials, establishing that the analytical procedures used were generating valid data. The RI utilized two laboratories to perform the USAEC analyses and the same sampling method for each medium. All samples collected for VOCs, SVOCs, CL6BZ and hexachlorocyclopentadiene (CL6CP), pesticide/PCBs, chemical agent breakdown products, explosives-related compounds, and metals were analyzed using USAEC Class 1, 1A, and 1B methods. Samples collected for vinyl chloride, PAH, PCP, antimony, cadmium, thallium, and BOD analyses were analyzed using EPA solid waste methods and general chemical methods. Based on the precision and accuracy assessment presented

above, the data collected during the Fort McClellan RI are considered to be comparable with the data collected during previous investigations.

F.1.1.5 Completeness

Completeness is defined as the percentage of valid data obtained from the sampling and analysis process. For data to be considered valid, they must have met all acceptance criteria, including accuracy and precision, as well as any other criteria specified by the analytical methods used.

Furthermore, project completeness is defined as the percentage of data used to prepare a preliminary human health-based risk evaluation and upon which recommendations for site remediation are based. For analytical data to be considered usable for the preliminary risk evaluation and remediation recommendations, each data point must be satisfactorily validated. Results that have been flagged for various reasons may be considered to have encountered minor problems with limited impact on the data quality. The completeness of both laboratory analyses and sampling will be evaluated for each site. DQOs for the RI at Fort McClellan were set at 95 percent for both the field sampling and laboratory completeness.

Former Landfill #1—Based on an evaluation of the laboratory QC, 100 percent of the VOCs, SVOCs, organochlorine pesticides/PCBs, vinyl chloride, PAHs, PCP, CL6BZ and CL6CP, metals, explosives, and BOD data points were used as a basis for evaluating the magnitude and extent of contamination and determining risk to human health and the environment. Field completeness for soil and water samples was 100 percent. Nine soil boring, three surface soil samples, three surface water samples, and seven groundwater samples were planned and actually collected from former Landfill #1 (LF1). The total number of samples taken to characterize LF1 during the RI is presented in Table F-3.

Former Landfill #2—The laboratory completeness for VOCs, SVOCs, organochlorine pesticides/PCBs, vinyl chloride, PAHs, PCP, CL6B2 and CL6CP, metals (except thallium), explosives, and BOD analyses was 100 percent. The laboratory completeness for thallium analysis was 81.8 percent. Two thallium LT values in samples LF2-D01 and LF2-D02 were

rejected due to low recovery for QC low spike samples. Based on the evaluation of the field sampling, field completeness was 100 percent for former Landfill #2 (LF2). Two surface soil samples, two surface water samples, and seven groundwater samples were scheduled and actually collected from LF2. The total number of samples taken to characterize LF2 during the RI is presented in Table F-3.

Former Landfill #3—The laboratory completeness for VOCs, SVOCs, organochlorine pesticides/PCBs (except chlordane), vinyl chloride, PAHs, PCP, CL6BZ and CL6CP, metals, explosives (except nitroglycerine), and BOD analyses was 100 percent. The laboratory completeness for chlordane and nitroglycerin analyses were 88 and 94.7 percent, respectively. Four chlordane LT values in samples OLF-G02, OLF-G10, OLF-G13, and OLF-G15 were rejected due to low recovery of the USAEC QC high spike samples. One nitroglycerine LT value in sample OLF-G15 was rejected because the holding time for preparation and extraction was exceeded. Based on the evaluation of the field sampling, field completeness was 100 percent for former Landfill #3 (LF3). Thirteen soil boring samples, 2 surface soil, 4 surface water samples, and 36 groundwater samples were scheduled and actually collected from LF3. The total number of samples taken to characterize LF3 during the RI is presented in Table F-3.

Chemical Munitions Disposal Training Area—Based on an evaluation of the laboratory QC, 100 percent of the VOCs, SVOCs, organochlorine pesticides/PCBs, vinyl chloride, PAHs, PCP, CL6BZ and CL6CP, metals (except thallium), explosives, chemical agent breakdown products, and BOD data points were used as a basis for evaluating the magnitude and extent of contamination and determining risk to human health and the environment. Laboratory completeness for thallium analysis was 73.3 percent. Four thallium LT values in samples T24A-S03, T24A-S03 (SAIC02), T24A-S04, T24A-S04 (SAIC02), and T24A-S05 were rejected due to low recovery of the QC low spike samples. Field completeness for soil and water samples was 100 percent. Five soil boring samples, one surface soil sample, one surface water sample, and nine groundwater samples were planned and actually collected from the Chemical Munitions Disposal Training Area (T24A). The total number of samples taken to characterize T24A during the RI is presented in Table F-3.

Detection and Identification Area—Based on an evaluation of the laboratory QC, 100 percent of the chemical agent breakdown products data points were used as a basis for evaluating the magnitude and extent of contamination and determining risk to human health and the environment. Field completeness for soil samples was 100 percent. Five test pit boring samples were planned and actually collected from the Detection and Identification Area (DIA). The total number of samples taken to characterize the DIA during the RI is presented in Table F-3.

Technical Escort Reaction Area—Based on an evaluation of the laboratory QC, 100 percent of the VOCs, SVOCs, organochlorine pesticides/PCBs, vinyl chloride, PAHs, PCP, CL6CP, CL6BZ, metals except thallium, and chemical agent breakdown products data points were used as a basis for evaluating the magnitude and extent of contamination and determining risk to human health and the environment. The laboratory completeness for thallium analysis was 73.3 percent. Three thallium LT values in samples T38-S09 (SAIC01), T38-S09 (SAIC02), and T38-S09 (SAIC03) were rejected due to low recovery for QC low spike samples. Field completeness for soil and water samples was 100 percent. Five soil boring samples and nine water samples were planned and actually collected from the Technical Escort Reaction Area (T38). The total number of samples taken to characterize T38 during the RI is presented in Table F-3.

Biological Simulant Test Area—The laboratory completeness of chemical agent breakdown products was 100 percent. Based on the evaluation of the field sampling, field completeness was 100 percent for the Biological Simulant Test Area (T4). Six soil boring samples were scheduled and actually collected at T4. The total number of samples taken to characterize T4 during the RI is presented in Table F-3.

Toxic Hazard Detection and Decontamination Training Area—The laboratory completeness for VOCs, SVOCs, organochlorine pesticides/PCBs, vinyl chloride, PAHs, PCP, CL6BZ and CL6CP, metals (except thallium), explosives, chemical agent breakdown products, and BOD analyses was 100 percent. The laboratory completeness for thallium analysis was 50 percent. Two thallium LT values in samples T5-D05 and T5-D03 were rejected due to low

recovery of the QC low spike samples. Based on the evaluation of the field sampling, field completeness was 100 percent for the Toxic Hazard Detection and Decontamination Training Area (T5). Four soil boring samples, two surface soil samples, and two surface water samples were scheduled and actually collected at T5. The total number of samples taken to characterize T5 during the RI is presented in Table F-3.

City of Weaver—Based on an evaluation of the laboratory QC, 100 percent of the VOCs, SVOCs, organochlorine pesticides/PCBs, vinyl chloride, PAHs, PCP, CL6BZ and CL6CP, metals, and explosives analyses data points were used as a basis for evaluating the magnitude and extent of contamination and determining risk to human health and the environment. Field completeness for groundwater samples was 100 percent. Five groundwater samples were planned and actually collected from the City of Weaver (CW). The total number of samples taken to characterize CW during the RI is presented in Table F-3.

Range J—The laboratory completeness for VOCs, vinyl chloride, and chemical agent breakdown products was 100 percent. Based on the evaluation of the field sampling, field completeness was 100 percent for Range J (RJ). Four soil boring samples and eight groundwater samples were scheduled and actually collected at RJ. The total number of samples taken to characterize RJ during the RI is presented in Table F-3.

Range L—The laboratory completeness for VOCs, SVOCs, organochlorine pesticides/PCBs, vinyl chloride, PAHs, PCP, CL6BZ and CL6CP, metals, explosives, and chemical agent breakdown products was 100 percent. Based on the evaluation of the field sampling, field completeness was 100 percent for Range L (RL). Eleven soil boring samples, 5 surface soil samples, 13 groundwater samples, and 4 surface water samples were scheduled and actually collected at RL. The total number of samples taken to characterize RL during the RI is presented in Table F-3.

Range K—Based on an evaluation of the laboratory QC, 100 percent of the explosives and chemical agent breakdown product analyses data points were used as a basis for evaluating the magnitude and extent of contamination and determining risk to human health and the

environment. Field completeness for soil samples was 100 percent. Eight soil boring samples were planned and actually collected from Range K (RK). The total number of samples taken to characterize RK during the RI is presented in Table F-3.

Old Water Hole—The laboratory completeness for VOCs, SVOCs, organochlorine pesticides/PCBs, vinyl chloride, PAHs, PCP, CL6BZ and CL6CP, metals, explosives, and chemical agent breakdown products was 100 percent. Based on the evaluation of the field sampling, field completeness was 100 percent for the Old Water Hole (OWH). Nine soil boring and groundwater samples were scheduled and actually collected at OWH. The total number of samples taken to characterize OWH during the RI is presented in Table F-3.

F.1.1.6 Detection Limits

To ensure maximum confidence in chemical identification and detection levels, the CRL was used for reporting all of the target chemicals analyzed by USAEC methods. The CRL is the lowest sample concentration that may be reported. The CRL is associated with the entire method and reflects all sample preparation and measurement steps. The method CRL is higher than the instrument detection limit (IDL). The CRLs were determined from a comparison of found versus actual concentrations for spiked standard matrix samples and calculated according to the USATHAMA reporting limit program with a 95 percent confidence limit. The method detection limit (MDL) was used as a minimum level for reporting all of the target chemicals analyzed by the EPA SW846 methods. The MDL is defined as the minimum concentration of a chemical that can be measured and reported with 99 percent confidence that value is above zero. The MDL actually achieved in a given analysis will vary depending on instrument sensitivity and matrix effects.

F.2 FIELD QUALITY CONTROL ASSESSMENT

During all phases of the RI sampling program, QC samples were collected to gauge the impacts from various components of field activities. Approximately 23 percent of the samples collected during the program were QC samples obtained to determine the degree of cross-contamination, ensure successful decontamination procedures, or determine the effects of media heterogeneity on results. One hundred and eleven trip blanks, 42 equipment rinsates, and 27

field duplicates (i.e., 14 soil and 13 water) were collected and analyzed for the same compounds and using the same laboratory techniques as those used to analyze the environmental samples. Trip blanks and equipment rinsates provide a measure of various sources of cross-contamination, decontamination efficiency, and any other potential error that can be introduced from sources other than the sample. Tables F-4 contain a cross-reference of environmental samples to these associated field QC blank sample.

F.2.1 Trip Blanks

Trip blanks were collected to determine if cross-contamination of VOCs occurred during sample handling or shipment of environmental samples to the laboratory. Trip blanks were prepared by DCL, located in Salt Lake City, Utah. Each trip blank consisted of two volatile organic analysis (VOA) vials per shipping cooler. These blanks were prepared with organic-free reagent water, sent to Fort McClellan, stored with the unused sample bottles, and returned to the laboratory with each cooler containing environmental samples to be analyzed for VOCs. Trip blanks were analyzed by USAEC Methods UM21 (VOCs) and SW8010 (vinyl chloride). Table F-5 summarizes the concentrations of the detected VOCs in the trip blanks collected during the RI.

Volatile Organic Compound Analyses—Eighty-five trip blanks were collected and analyzed for VOCs using USAEC Method UM21. Analytical results show that chloroform was detected in one trip blank (i.e., T38-S10 [SAICTB17]) at a concentration greater than the CRL. Methylene chloride, a common laboratory contaminant, was found in 22 trip blanks, with an average concentration of 10.4 μg/L. The presence of chloroform and methylene chloride is not considered to be representative of environmental conditions at Fort McClellan, since these VOCs were not detected in the associated environmental samples. All VOC data were reviewed for potential bias introduced from trip blanks. These results are presented in Table F-5 and in the data presentation tables in Appendix G.

Vinyl Chloride Analysis—Forty-eight trip blanks were collected and analyzed for vinyl chloride using EPA SWMethod 8010. Analytical results show that vinyl chloride was not

detected in any trip blank. All vinyl chloride data were reviewed for potential bias introduced from trip blanks.

F.2.2 Source Water Samples

The source water samples provided information on the water used to decontaminate the sample collection devices. Duplicate source water samples were collected from the water source from the Main Post and Pelham Range and analyzed for all analyses scheduled for environmental samples. These analyses were performed before field work began and all detectable concentrations of analytes are presented in Appendix G. At the beginning of the field effort, one sample and one duplicate sample were collected (i.e., FRL-1 [(SAIC01] and FRL-1 [(SAIC02]) and analyzed for the same analyses scheduled for the environmental samples. Cadmium, methylene chlorine, chloroform, and 135TNB were found in the water source from the Main Post, Fort McClellan. Two samples and one duplicate sample were collected (i.e., FPRL-1 [(1], FPL[2], and FPL-1 [SAIC05]) and analyzed for the same analyses scheduled for the environmental samples. Barium, beryllium, iron, potassium, magnesium, manganese, sodium, and zinc were detected in the water source from Pelham Range, Fort McClellan. These results were used to determine if the nonchlorinated potable source water that was to be used in the decontamination procedures was contaminated. Inorganic analytes (i.e., aluminum, barium, calcium, copper, iron, potassium, magnesium, and sodium) and organic compounds (i.e., methylene chloride, chloroform, and 135TNB) found in the water source were excluded during evaluation and interpretation of the samples preceding the equipment rinsates to provide a more precise measure of the decontamination process. However, USAEC data validation guidelines do not include provisions for including these water source results during qualification for blank contamination.

F.2.3 Equipment Rinsate Blanks

Equipment rinsate blanks provide a measure of the cumulative contamination derived from field sampling equipment, sample transit, storage, and analysis. Equipment rinsate blanks were prepared for manual and small automated sampling equipment used to collect environmental samples. One equipment rinsate blank was collected every day for each medium sampled by pouring USAEC-approved water into, through, or over a clean piece of sampling

equipment and then dispersing the water into prepared sample bottles. Equipment rinsate blanks were shipped to the laboratory to be analyzed using the methods required for the environmental samples collected on the same day. All analytical data were reviewed for potential bias introduced from equipment rinsates. Table F-6 summarizes the concentrations of the compounds and elements detected in the equipment blanks collected during the RI. The following subsections summarize the compounds and elements detected in these blanks and the impact of any interference on the environmental data quality.

Volatile Organic Compound Analyses—Thirty-one equipment rinsates were collected and analyzed by DCL for VOCs using USAEC Method UM21. No unacceptable levels of contamination were found in the equipment rinsates. Contamination was limited to only four compounds: methylene chloride, chloroform, chloromethane, and chlorobenzene. Methylene chloride was detected in one equipment rinsate (i.e., T2-D02 [SAICRB28]), but was not detected in the associated field samples. Methylene chloride is a common field and laboratory contaminant and its presence can be attributed to one of these sources. Chloroform was detected in 15 equipment rinsates, with an average concentration of 5.13 μg/L. No IRDMIS flag code (i.e., "G") was applied, since this VOC was not detected in associated environmental samples at a concentration greater than that detected in the equipment rinsate water. The presence of chloroform is not considered to be representative of the environmental conditions at Fort McClellan, since this compound was detected in only three environmental samples. Chloromethane was detected in T2-D02 (SAICRB28) at a concentration of 11 μg/L and chlorobenzene was detected in T38-S09 (SAICRB26) and T38-S10 (SAICRB18), at an average concentration of 5.05 μg/L. These VOCs were not detected in the associated field samples, indicating that their presence is not the result of improper decontamination procedures. Since these VOCs have not been detected in the associated environmental samples, no IRDMIS flag codes were applied. All VOC data were reviewed for potential bias introduced from the associated equipment rinsates.

Vinyl Chloride Analyses—Twenty-three equipment rinsates were collected and analyzed by DCL for vinyl chloride using EPA SW Method 8010. No vinyl chloride was detected in the associated equipment rinsates.

Semivolatile Organic Compound Analyses—Thirty-six equipment rinsates were collected and analyzed by DCL for SVOCs using USAEC Method UM25. 4-Methyl phenol was detected in one equipment rinsate (i.e., LF1-S02 [SAICRB13]) at a concentration of 3.53 μg/L. The presence of 4-methyl phenol is not considered to be representative of the environmental conditions at Fort McClellan, since this compound was not detected in the associated environmental samples. All SVOC data were reviewed for potential bias introduced from the associated equipment rinsates.

Polynuclear Aromatic Hydrocarbons Analyses—Twenty-four equipment rinsates were collected and analyzed by DCL for PAHs using EPA SW Method 8310. Benzo(a)pyrene was detected in one equipment rinsate (i.e., T38-S10 (SAICRB18]) at a concentration of 0.88 μg/L. The presence of benzo(a)pyrene is not considered to be representative of the environmental conditions at Fort McClellan, since this compound was not detected in the associated the associated environmental samples. All PAH data were reviewed for potential bias introduced from the associated equipment rinsates.

Pentachlorophenol Analyses—Twenty-four equipment rinsates were collected and analyzed by DCL for PCP using EPA SW Method 8040. No pentachlorophenol was detected in the equipment rinsates.

Hexachlorobenzene and Hexachlorocyclopentadiene Analyses—Twenty-three equipment rinsates were collected and analyzed by DCL for CL6BZ and CL6CP using USAEC Method KK8. No unacceptable levels of contamination were found.

Organochlorine Pesticide/PCB Analyses—Thirty equipment rinsates were collected and analyzed by DCL for organochloride pesticides/PCBs using USAEC Method UH20. No unacceptable levels of contamination were found in the equipment rinsates. Contamination was limited to only three compounds: endosulfan I, alpha-BHC, and 4,4′-DDT. Endosulfan I was detected in two equipment rinsates (i.e., T38-S09 [SAICRB26] and T38-S09 [SAICRB27]), but was not detected in the associated field samples. Alpha-BHC was detected in one equipment rinsate (i.e., LF1-S01 [SAICRB12]) at a concentration of 0.012 μg/L. 4,4′-DDT was detected

in LF1-S01 (SAICRB12) and OLF-S11 [SAICRB01]) with an average concentration of 0.00401 μg/L compared to a CRL of 0.0025 μg/L. These pesticides/PCBs were not detected in the associated field samples, indicating that their presence is not the result of improper decontamination procedures. Since these pesticides/PCBs have not been detected in the associated environmental samples, no IRDMIS flag codes were applied. All organochloride pesticide/PCB data were reviewed for potential bias introduced from the associated equipment rinsates.

Explosives Related Compounds Analyses—Thirty-four equipment rinsates were collected and analyzed by DCL for explosives using USAEC Method UW25. 135TNT was detected in 6 (at an average 0.3676 μg/L) out of 34 equipment rinsate analyses. 24TNT was detected in one equipment rinsate at a concentration of 0.543 μg/L. These explosives were not detected in the associated field samples, indicating that their presence is not the result of improper decontamination procedures. Since 135TNB and 24TNT were not detected in the associated environmental samples, no IRDMIS flag codes were applied. All explosives data were reviewed for potential bias introduced from the associated equipment rinsates.

Nitroglycerine and Pentaerythritol Tetranitrate Analyses—Twenty-eight equipment rinsates were collected and analyzed by DCL for nitroglycerine and PETN using USAEC Method UW27. No nitroglycerine and PETN were detected in the RI equipment rinsates.

Chemical Agent Breakdown Products Analyses—Twenty-five equipment rinsates were collected and analyzed by ES&E for chemical agent breakdown products using USAEC Method UT03. Twenty-eight equipment rinsates were collected and analyzed for thiodiglycol and organosulfurs using USAEC Methods UW22 and UL04. No chemical agent breakdown products were detected in the equipment rinsates.

Metals Analyses—Thirty-two equipment rinsates were collected and analyzed by DCL for metals using USAEC methods (i.e., SS12, AX8, SD18, CC8, and SD25) and EPA SW846 methods (i.e., 7041, 6010, and 7841). No unacceptable levels of metals were found in the equipment rinsates. Common elements such as cadmium, calcium, potassium, iron, and sodium

were noted several times, but at much lower concentrations than would be expected in naturally occurring water. Calcium was detected in four equipment rinsates with an average concentration of 216.2 μg/L compared to a CRL of 105 μg/L. Iron was detected in three equipment rinsates with an average concentration of 203 μg/L. Cadmium and potassium were each detected once and sodium was detected three times at concentrations near the CRLs. A potential contaminant (i.e., arsenic) was observed in one equipment rinsate (i.e., LF1-D01 [SAICRB30]). Arsenic was detected at a concentration of 4.72 μg/L compared to a CRL of 2.35 μg/L. Arsenic is not usually expected in equipment rinsates and the source of this metal is considered site related, since arsenic also was detected in the associated environmental samples. The anomalous equipment rinsate was collected on June 9, 1994. The IRDMIS flag code (i.e., "G") was applied to one arsenic and three calcium and zinc concentrations detected in soil samples collected from LF1. The flagged results indicate that these concentrations are considered high bias, since the concentrations in the environmental samples did not exceed five times that detected in the associated equipment rinsate. These results are contained in the data presentation tables in Appendix G.

F.2.4 Field Duplicates

One duplicate environmental sample was collected for every 10 environmental samples, as required by the QAPP and USATHAMA PAM 11-41. Duplicate sample pairs were taken to ascertain the contribution of variability (i.e., precision) due to environmental media. Table F-2 provides a summary, by medium and analyte, of the RPD values for field duplicates and CV values by site. Seventy-one soil and 8 duplicate samples, in addition to 144 water (i.e., groundwater and surface water) and 11 duplicate samples were collected. One field duplicate soil sample was collected after each 10 environmental samples, as indicated on the chain-of-custody forms. As required by the QAPP, soil samples were collected at specific intervals in the borehole. Specific samples to be sent to the laboratory were selected based on location in the borehole (e.g., at the water table) and health monitoring equipment (i.e., organic vapor analyzer [OVA]). Therefore, duplicate sample selection was less straightforward using these sample selection criteria than simply replicating 1 sample for every 10 collected, since samples were selected only after the drilling had been completed or the monitoring well had been screened. After the split-spoon was retrieved from the borehole, the samples to be screened for VOCs

were immediately collected in the sample container. All soil samples to be analyzed by DCL and ES&E were collected using split-spoons equipped with 3-inch brass or stainless-steel sleeves (i.e., for VOC, SVOC, and metals analyses). After the split-spoon sampler was retrieved from the borehole, VOC and metals sleeves were capped and labeled, and each sample was then shipped to the laboratory in the liner. Therefore, the duplicate concentrations measured by the laboratory reflect the natural matrix variability inherent in the subsurface soils at Fort McClellan and were not used to assess sample collection precision.

No specific control limit for field duplicates were established in part because the natural heterogeneity of the environmental media was much greater than the variability imparted by field activities. Field RPD values were calculated for compounds and elements detected in concentrations greater than the CRLs or detection limits in both replicate pair samples or in one sample. To gain an appreciation of how far each individual RPD value departed from the means, summary statistics may be appropriate. Tables F-2a and F-2b provide a summary, by medium, and by analyte or compound, of the RPD and absolute difference for field duplicates. For a basis of comparison, Tables F-2a and F-2b include lower and upper limits that are three standard deviations above and below the mean. This is a range that includes 99.7 percent of the RPD values. There are 99.7 chances out of 100 that the RPD computed from a random sample of field duplicates will not be further away than three standard deviations above and below the mean. Thus, there is a 99.7 percent confidence level that the individual RPD result will not be further from the mean value. Since three standard deviations on either side of the mean include all of the cases in normal distributions, the standard deviation is about 1/6 of the range. As one might expect, soil heterogeneity imparts a large degree of uncertainty to what might be considered representative values. Average RPDs were calculated based on the analyte or compound detected in at least two field duplicate pairs. As one might expect, soil heterogeneity imparts a large degree of uncertainty to what might be considered representative values. Tables F-6 and F-7 summarize the concentrations of the compounds and elements detected in the soil and water replicate pairs collected during the RI.

Volatile Organic Compound Analysis—Seventy-one soil samples and 144 water samples were collected during the RI and analyzed for VOCs using USAEC Methods LM23 and UM21.

Seven soil samples and 11 groundwater samples were collected in duplicate. RPD values were not calculated for compounds not detected in both the sample and duplicate sample and/or for tentatively identified compounds (TICs).

No VOCs were detected in the soil field duplicate, except benzene and toluene. Individual RPDs were 200 percent for benzene and toluene. These are attributable to these VOC concentrations being near the CRLs in the field sample and detected in the field duplicate sample. These RPD values include both fluctuations in the sampling and analytical variability. Individual RPDs were calculated for benzene and toluene, which were detected in one soil field duplicate pair collected from T-24A. Nine VOCs (i.e., 1,1,,1-trichloroethane, 1,3-dichlorobenzene, methylene chloride, 1,1,2,2-tetrachloroethane, 1,2-dichloroethene, benzene, chloroform, chlorobenzene, and trichloroethene) were detected in water field duplicates in field duplicate collected at Fort McClellan. Individual RPD values for these VOCs were high (i.e., 200 percent). These are attributable to these VOC concentrations being near the CRLs in one of the samples (i.e., field sample or field duplicate sample). Overall, precision for VOC collection field duplicates analyses has been determined to be adequate for the RI.

Vinyl Chloride Analysis—One hundred and thirty-six water samples were collected during the RI and analyzed for vinyl chloride using EPA SW846 Method 8010. Eleven water samples were collected in duplicate. Field RPD values were not calculated for vinyl chloride, since this compound was not detected in water field duplicate pairs.

Semivolatile Organic Compound Analysis—Seventy-one soil samples and 140 water samples were collected during the RI and analyzed for SVOCs using USAEC Methods UM25 and LM25. Eight soil samples and 11 groundwater samples were collected in duplicate. RPD values were not calculated for compounds not detected in both the sample and duplicate sample and/or in TICs. Average values were calculated for three SVOCs, which were detected in soil field duplicate samples taken from T-24A and LF1. Average RPDs in soils range from 24.7 to 200 percent. Outliners in the RI SVOC soil data are considered to be a function of 2-methylnaphthalene and phenanthrene distributions in soil at T-24A and of benzyl alcohol distribution in soil at LF1. While these QC results are considered to have no adverse impact

on the overall environmental data quality, these values should be used to confirm the presence of 2-methylnaphthalene, benzyl alcohol, and phenanthrene contamination. No SVOCs were detected in water field duplicates, except bis(2-ethylhexyl)phthalate detected in one field duplicate collected from T-24A. Individual RPD value for bis(2-ethylhexyl)phthalate was high (i.e., 200 percent). This is attributable to this SVOC concentration being near the CRL in the field sample and detected in the field duplicate sample. This RPD value includes both fluctuations in the sampling and analytical variability. All individual RPD and average RPD values for SVOCs in soil and water field duplicates are within three standard deviations below and above the mean. These QC results demonstrate normal variability for the SVOCs in both media. Overall, precision for SVOC collection field duplicates analyses has been determined to be adequate for the RI.

Polynuclear Aromatic Hydrocarbons-Analysis—One hundred and thirty-two water samples were collected during the RI and analyzed for PAHs using EPA SW846 Method 8310. Eleven water samples were collected in duplicate. Field RPD values were not calculated for PAHs, since these compounds were not detected in water field duplicate pairs.

Pentachlorophenol Analysis—One hundred and thirty four water samples were collected during the RI and analyzed for pentachlorophenol using EPA SW846 Method 8040. Ten water samples were collected in duplicate. Field RPD values were not calculated for pentachlorophenol, since this compound was not detected in water field duplicate pairs.

Hexachlorobenzene and Hexachlorocyclopentadiene Analyses—One hundred and thirty-two water samples were collected during the RI and analyzed for hexachlorobenzene and hexachlorocyclopentadiene using USAEC Method KK8. Ten water samples were collected in duplicate. No hexachlorobenzene and hexachlorocyclopentadiene were detected in water field duplicates, and as a result, RPD values were not calculated.

Organochlorine Pesticide/PCBs Analysis—Sixty-five soil samples and 124 water samples were collected and analyzed by DCL for organochlorine pesticides/PCBs using USAEC Methods LH17 and UH20. Eight soil samples and 11 water samples were collected in duplicate. RPD

values were not calculated for compounds not detected in both the sample and duplicate sample. Average values were calculated for two organochlorine pesticides/PCBs (i.e., 2,2-bis[p-chlorophenyl]1,1-dichloroethane and 2,2-bis[p-chlorophenyl]1,1,1-trichloroethane), which were detected in soil field duplicate samples taken from LF1. Average RPDs in soils range from 136 to 200 percent. While these QC results are considered to have no adverse impact on the overall environmental data quality, these values should be used to confirm the presence of 2,2-bis(p-chlorophenyl)1,1-dichloroethane and 2,2-bis(p-chlorophenyl)1,1,1-trichloroethane contamination. Individual RPD values were calculated for six organochlorine pesticide/PCBs (i.e., endosulfan I, endosulfan II, dieldrin, aldrin, 4,4′-DDT, and 1,1-dichloro-2,2-bis[p-chlorophenyl]) detected sporadically in soil field duplicates collected at Fort McClellan. Average RPDs were calculated for three organochlorine pesticides/PCBs (i.e., isodrin, alpha-BHC, and 4,4′-DDE), which were detected in water field duplicate samples collected at Fort McClellan. The RPD values in water samples range from 14.5 to 200. RPD value was low for 4,4′-DDE, indicating a negligible degree of environmental variability. The average RPD values for two organochlorine pesticides/PCBs (i.e., alpha-BHC and isodrin) were 103.6 and 200 percent, respectively. These results are attributable to organochlorine pesticide/PCB concentrations being near the CRLs in the field or field duplicate sample and detected in the field duplicate or field sample. These RPD values include both fluctuations in the sampling and analytical variability. All individual RPD and average RPD values for organochlorine pesticides/PCBs in soil and water field duplicates are within three standard deviations below and above the mean. These QC results demonstrate normal variability for the organochlorine pesticides/PCBs in both media. Overall, precision for organochlorine pesticide/PCB field duplicates analyses has been determined to be adequate for the RI.

Explosives-related Compounds Analysis—Eighty-one soil samples and 135 water samples were collected and analyzed by DCL for explosives-related compounds using USAEC Methods LW23 and UW25. Eight soil samples and 11 water samples were collected in duplicate. RPD values were not calculated for compounds not detected in both the sample and duplicate sample. No average RPDs were calculated. Two individual RPD values were calculated for explosives-related compounds (i.e., HMX and RDX) detected in soil field duplicates collected from T-24A. RPDs were 200 percent for both compounds. These results are attributable to

explosives concentrations being near the CRLs in the field or field duplicate sample and detected in the field duplicate or field sample. These RPD values include both fluctuations in the sampling and analytical variability. Overall, precision for explosives related compounds field duplicates analyses has been determined to be adequate for the RI.

Nitroglycerine and Petn Analysis—Seventy-two soil samples and 77 water samples were collected during the RI and analyzed for nitroglycerine and PETN using USAEC Methods LW27 and UW27. Seven soil samples and 10 water samples were collected in duplicate. RPD values was not calculated for compounds not detected in both the sample and duplicate sample. No average RPDs were calculated. One individual RPD value was calculated for nitroglycerine detected in one soil field duplicate collected from T-24A. The RPD value was 200 percent. This result is attributable to nitroglycerine concentrations being near the CRL in the field or field duplicate sample and detected in the field duplicate or field sample. This RPD value includes both fluctuations in the sampling and analytical variability. Overall, precision for nitroglycerine and PETN field duplicates analyses has been determined to be adequate for the RI.

Chemical Agent Breakdown Products (Organosulfurs) Analysis—Sixty-three soil samples and 77 water samples were collected during the RI and analyzed for organosulfurs using USAEC Methods LL03 and UL04. Six soil samples and nine water samples were collected in duplicate. No organosulfurs were detected in soil and water field duplicates, and as a result, RPD values were not calculated.

Thiodiglycol Analysis— Sixty three soil samples and 77 water samples were collected during the RI and analyzed for thiodiglycol by ES&E using USAEC Methods LW18 and UW22. Six soil samples and nine water samples were collected in duplicate. No thiodiglycol was detected in soil and water field duplicates, and as a result, RPD values were not calculated.

Metals Analyses—Seventy-one soil samples and 137 water samples were collected during the RI and analyzed for metals using the USAEC-performance demonstrated methods. Eight soil samples and 11 water samples were collected in duplicate. RPD values were not calculated for elements not detected in both the sample and duplicate samples. Average RPDs in soils range

from 8.9 to 120.6 percent for ICAP metals, 17.5 to 122.7 percent for GFAA metals, and 109 percent for mercury in field duplicates collected at Fort McClellan. Average RPDs in water range from 1.5 to 168.2 percent for ICAP metals and 18.4 to 66.2 percent for GFAA metals in field duplicates. All individual RPD and average RPD values for metals in soil and water field duplicates are within three standard deviations below and above the mean. These QC results demonstrate normal variability for the metals in both media. Overall, precision for metals field duplicates analyses has been determined to be adequate for the RI.

Biochemical Oxygen Demand Analysis—Twenty water samples were collected during the RI and analyzed for BOD using EPA Method 405.1. Two water samples were collected in duplicate. No BOD was detected in water field duplicates, and as a result, RPD values were not calculated.

F.3 LABORATORY QUALITY CONTROL ASSESSMENT

All environmental (i.e., soil and water) samples and field QC blanks (i.e., trip blanks and equipment rinsates) collected during the RI at Fort McClellan were analyzed using USAEC methods from the following references:

- *USAEC Class 1, 1A, and 1B Performance Demonstrated Methods* (VOC, SVOC, organochlorine pesticides/PCBs, explosives, chemical agent breakdown products, thiodiglycol, hexachlorobenzene, hexachlorocyclopentadiene, metals, and cyanide).
- *Test Methods For Evaluating Solid Waste, Physical/Chemical Methods*, SW846 (vinyl chloride, PCP, PAHs, antimony, chromium, thallium)
- *Methods for Chemical Analysis of Water and Wastes,* EPA 600/4-79-020, 1983 with additions (BOD).

During the review and evaluation process, 30 percent of the analytical data generated using USAEC methods and 100 percent of the analytical data generated using EPA methods were subject to a systematic and rigorous technical process by examining all analytical QC results and laboratory documentation, following the appropriate guidelines for laboratory data validation. The purpose of this section is to provide an assessment of the QA/QC results from the RI to confirm that the data used in this report meet the DQOs established for this investigation. Both quantitative measures and qualitative assessments will be presented to

characterize these data as having sufficient quality to satisfy these objectives. The primary intent of this assessment is to illustrate that data originating from the RI can withstand scientific scrutiny and are technically defensible, and are of a known and acceptable precision and accuracy. All data were validated and flagged using the guidelines and specifications described in the following documents:

- *User's Guide, IRDMIS, Volume II Data Dictionary*, PRI, 1995.1
- *Laboratory Data Validation Functional Guidelines Evaluating Organics Analyses*, EPA CLP, February 1988 (VOCs and SVOCs)
- *Laboratory Data Validation Functional Guidelines Evaluating Inorganics Analyses*, EPA CLP, February 1988 (metals)
- *USATHAMA Quality Assurance Program, PAM 11-41* (January 1990).

Each data point was assessed to determine whether the value was considered usable (i.e., no IRDMIS flag code) or usable but outside QC criteria. IRDMIS flag codes applied by DCL, ES&E, and SAIC are contained in the comprehensive data presentation tables in Appendix G. All IRDMIS flags applied by SAIC for the validated data are summarized in the data summary tables presented within the RI report text. All IRDMIS qualifiers as applied by the USAEC chemist are defined at the bottom of each table presenting analytical data.

For the purposes of the RI, VOC and SVOC tentatively identified compounds (TICs) that could not be directly attributed to laboratory method blank or field QC blank interference were used to indicate contamination resulting from past use at the applicable site. All TIC concentrations were added together and reported in the Section 3 data summary tables and the Appendix G data presentation tables as a single estimated value. The number of individual compounds detected was presented in parentheses adjacent to the cumulative concentration.

F.3.1 Organic Analyses

Environmental (i.e., soil and water) samples and field QC blanks (i.e., trip blanks [VOC and vinyl chloride analysis only] and equipment rinsates) collected during the RI were submitted to DCL for VOC, vinyl chloride, SVOC, PAH, PCP, CL6BZ, CL6CP, PCBs, and explosives,

and to ES&E for chemical agent breakdown products. A data quality assessment is presented in the following subsections.

F.3.1.1 Volatile Organic Compound Analyses (USAEC Methods LM23 and UM21)

Seventy-one soil samples, 144 water samples (i.e., surface water and groundwater), and 118 field QC blanks (i.e., trip blanks and equipment rinsates) were collected and analyzed by DCL for VOCs using USAEC Methods LM23 and UM21. Data quality was evaluated using the guidelines and control limits specified for holding times, tuning and mass calibration results, initial and daily standards, method blanks, surrogate recoveries, internal standard areas, and MS/MSD results. The VOC data validation worksheets are presented in Table F-9.

Holding Times—Holding times are used to ascertain the validity of results based on the holding time of the sample from the time of collection to the time of analysis. DCL was required by the QAPP and analytical methods to meet holding times of 7 days for unpreserved water samples, 14 days for preserved (i.e., sufficient hydrochloric acid to lower the pH to 2) water samples, and 14 days for soil samples collected for VOC analysis.

Analysis of samples that have exceeded the method-recommended holding times may result in the following: 1) concentrations of compounds that would have been detected ordinarily are undetected due to chemical transformation, compound volatilization, or biodegradation; 2) reported concentrations lower than those originally present due to the factors previously stated; or 3) reported concentrations greater than those originally present in the sample due to external contamination of water samples or changes in soil moisture content. Based on an evaluation of all environmental samples and field QC blanks analyzed for VOCs using USAEC Methods LM23 and UM21, all holding time criteria were met.

Tuning and Mass Calibration Results—The first step in the calibration of the GC/MS system is to ensure correct mass calibration, mass resolution, and mass transmission. This was accomplished, in addition to a sensitivity check, using p-bromofluorobenzene (p-BFB) injected at a 50 ng concentration, as required by the USAEC Methods LM23 and UM21 protocols. This standard was analyzed every 12 hours to ensure that the GC/MS was tuned correctly. Based on

an evaluation of the ionization and fragmentation criteria, in addition to the instrument tune frequency, all p-BFB tuning and mass calibration criteria requirements were met.

Initial Calibration Results—Compliance requirements for satisfactory instrument calibration have been established to ensure that the instrument is capable of producing acceptable quantitative data. Calibration of each GC/MS used to analyze the samples collected during the RI were established and validated by injecting standards at five concentrations, spanning the expected sample concentration range. Initial calibration was conducted after the GC/MS tune criteria were met and before any samples were analyzed to determine the instrument sensitivity and the linearity of each compound. The linearity is important to ensure reasonable quantitative results over the range of the curve. Following initial calibration, all compounds were evaluated to verify the validity of the calibration. Specifically, the relative response factors (RRFs) were calculated for all compounds. All criteria requirements were met.

Daily Calibration Standard Results—A check of the calibration curve was conducted before and after environmental samples were analyzed each day. The first daily standard in the BFB tuning period was used for quantitation of all sample analyses performed during the 12-hour period. The second daily standard is not used for quantitation; it is used to verify that the working curve is still valid. The daily standard of the GC/MS system is evaluated based on the magnitude of the RRFs and percent difference (%D) between the average RRF of each compound for the initial calibration and the RRF of that compound in the daily calibration standard. The response factor for two-thirds of the compounds from the daily calibration standard, should agree within ± 25 percent with the response factor of the corresponding compound from the 50-μg/L standard run during initial calibration. The response factor for two-thirds of the compounds in the end run standard should agree within ± 25 percent with the response factor of the corresponding compound from the 50-μg/L standard analyzed at the beginning of the day. Based on an evaluation of the daily calibration standard conducted for VOC analyses, all criteria requirements were met.

Internal Standard Summaries—One internal standard (IS) (i.e., dibromomethane-d_4) was added to all calibration standards, environmental samples, and QC blanks immediately before

analysis as indicators of instrumental operating variations. The concentration of VOCs detected in each sample was calculated with reference to the response factor (RF) of the appropriate IS for that compound. No control limits are available for the recovery of the IS for USAEC Methods UM21 and LM23; therefore, the VOC data were not evaluated against IS recoveries.

Surrogate Recoveries—Four deuterated compounds (i.e., d_2-methylene chloride [CD2CL2], 1,2-dichloroethane-d_4 [12DCD4], toluene-d_8 [MEC6D8], and ethylbenzene-d_{10} [ETBD10]) were added to each calibration standard, environmental sample, and laboratory and field QC sample immediately before analysis. Surrogate compounds spiked into field samples provide information on the efficiency of all steps of the GC/MS method in recovering these compounds from the individual environmental sample matrices. Since surrogate recoveries were spiked into every environmental sample, they were the primary tool used to determine if matrix interferences were present during VOC analysis. Surrogate compounds spiked into standard matrix method blanks provide information on the accuracy and precision of the analysis of each analytical lot and indicate out-of-control situations. The QC limits for recovery of all surrogates for soil and water samples were those established for the USAEC QC samples, and were submitted by DCL for each analytical lot (i.e., LCL and UCL). A total of 49 (of 100 values reviewed) surrogate percent recoveries were outside the applicable control limits for environmental samples. Twenty-nine field samples had one or more VOC surrogate outside the LCLs and UCLs. The frequency of these surrogates exceeding the control limits is 7 times for CD2CL2, 13 times for 12DCD4, 12 times for MEC6D8, and 17 times for ETBD10. VOC data showed a great potential for false negatives or false positives, with 49 percent of all VOC surrogate results outside the control limits.

One VOC individual recoveries (i.e., ethylbenzene-d_{10}) in lot AMGS was above the UCL. Tables F-10 and F-11 summarize the surrogate recovery results for the 30 percent of the soil and water samples that was evaluated, respectively.

Method Blank Results—One method blank analysis was conducted for each analytical lot of environmental samples analyzed for VOCs. Each method blank was evaluated for contaminants that prevent accurate quantitation of a target compound. Based on an evaluation

of all method blanks analyzed for VOCs using USAEC Methods LM23 and UM21, no unacceptable level of contamination was found in the method blanks. No VOCs were detected at levels that might bias analytical results.

Matrix Spike/Matrix Spike Duplicate Results—MS/MSD analyses were conducted to assess the accuracy and precision of the laboratory and to evaluate the matrix effect of the sample upon the analytical methodology based upon the percent recovery of each compound. Accuracy was expressed as the percent recovery of the spike compounds. Precision was expressed as the RPD of the concentrations of the spike compounds in the MS/MSD samples. The control limits for percent recoveries in soil and water samples are described in the QAPP. MS/MSDs were evaluated to verify that 1 MS/MSD analysis was conducted for every 20 environmental sample received by the laboratory, that these analyses were conducted on environmental samples only, and that the recovery and difference results did not indicate systematic laboratory control problems. Tables F-12 summarizes the MS/MSD results for soil samples, respectively.

All recovery and RPDs reviewed values for soil VOC MS/MSDs were within the EPA CLP advisory control limits. No water VOC MS/MSD analyses were included in 30 percent of the validated analytical data.

F.3.1.2 Vinyl Chloride Analysis (EPA Method 8010)

One hundred and thirty-six water samples and 71 field QC blanks (i.e., trip blanks and equipment rinsates) were collected and analyzed by DCL for vinyl chloride using EPA Method 8010. Data quality was evaluated using the guidelines and control limits specified for holding times, initial and check standards, method blanks, internal standards, surrogate recoveries, and MS/MSD results. The vinyl chloride data validation worksheets are presented in Table F-13.

Holding Times—The objective is to ascertain the validity of results based on the holding time of the sample from the time of collection to the time of analysis. DCL was required by the QAPP and analytical method to meet holding times of 14 days for water samples. Based on

an evaluation of all environmental samples and field QC blanks analyzed for vinyl chloride using EPA SW846 Method 8010, all holding time criteria were met.

Initial Calibration Results—Compliance requirements for satisfactory instrument calibration have been established to ensure that the instrument is capable of producing acceptable quantitative data. Calibration of each GC used to analyze the samples collected during the Fort McClellan RI were established and validated by injecting standards at five concentrations, spanning the expected sample concentration range. One of the standard concentrations was at a concentration near, but above, the method detection limit (i.e., 1 μg/L). Initial calibration was conducted before any samples were analyzed to determine the instrument sensitivity and the linearity of each compound. Following initial calibration, all compounds were evaluated to verify the validity of the calibration. Specifically, the RFs were calculated for vinyl chloride and bromochloropropane and the results were used to establish the calibration curves. These calibration curves were used for vinyl chloride and surrogate quantitation. All initial calibration criteria were met.

Continuing Calibration Standard Results—A check of the calibration curve was conducted before and after environmental samples were analyzed each day. The continuing calibration standard (CCS) was used to verify that the working curve is still valid. The CCS of the GC system was evaluated based on the magnitude of the instrument response for vinyl chloride. The instrument response for vinyl chloride from the CCS must agree within $\pm$15 percent with the predicted response, and all preceding standard in an analysis sequence should fall within the daily retention time window established by the first standard of the sequence. Based on an evaluation of the CCSs conducted for vinyl chloride analyses, all criteria were met.

Internal Standard Summaries—One IS (i.e., o-chlorotoluene) was added to all calibration standards, environmental samples, and QC samples immediately before analysis as an indicator of instrumental operating variations. The concentration of vinyl chloride detected in each sample was calculated with reference to the RF of the o-chlorotoluene for vinyl chloride.

Surrogate Recoveries—One surrogate (i.e., 2-bromo-1-chloropropane) was added to each calibration standard, environmental sample, and laboratory and field QC sample immediately before analysis. Surrogate compounds spiked into field samples provide information on the efficiency of all steps of the GC method in recovering this compound from the individual environmental sample matrices. Since 2-bromo-1-choropropane was spiked into every environmental sample, it was the primary tool used to determine if matrix interference was present during vinyl chloride analysis. The QC limits for recovery of 2-bromo-1-choropropane in water samples 75 to 125 percent. All surrogate recoveries were within the recommended control limits, except for BK-W03 (SAICTB03). The 2-Bromo-1-chloropropane recovery was 145 percent. Table F-14 summarizes the surrogate recovery results.

Method Blank Results—One method blank analysis was conducted for each analytical lot of environmental samples analyzed for vinyl chloride. Each method blank was evaluated for contaminants that prevent accurate quantitation of a target compound. Based on an evaluation of all method blanks analyzed for vinyl chloride using EPA Method 8010, no vinyl chloride was detected in the method blanks.

Matrix Spike/Matrix Spike Duplicate Results—MS/MSD analyses were conducted to assess the accuracy and precision of the laboratory and to evaluate the matrix effect of the sample upon the analytical methodology based upon the percent recovery of each compound. Accuracy was expressed as the percent recovery of the spike compound. Precision was expressed as the RPD of the concentration of the spike compound in the MS/MSD samples. The control limits for percent recoveries in water samples were 39 to 150 percent. MS/MSDs were evaluated to verify that 1 MS/MSD analysis was conducted for each 20 environmental samples received by the laboratory, that these analyses were conducted on environmental samples only, and that the recovery and difference results did not indicate systematic laboratory control problems. Table F-15 summarizes the MS/MSD results for water samples.

Two MS/MSD analyses were validated for water samples collected during the RI. All MS/MSD recovery (i.e., 4 values reviewed) and RPD values (i.e., 2 values reviewed) were within control limits.

F.3.1.3 Semivolatile Organic Compound Analyses (USAEC Methods LM25 and UM25)

Seventy-one soil samples, 140 water samples, and 36 equipment rinsates were collected during the RI and analyzed by DCL using USAEC Methods LM25 and UM25. Data quality was evaluated using the guidelines and control limits specified for holding times, tuning and mass calibration, initial and continuing calibration verification, method blank spike, method blank, surrogate recoveries, IS area, and MS/MSD results. The SVOC data validation worksheets are presented in Table F-16.

Holding Times—Holding times were defined as the maximum amount of time allowed to elapse between the date and time of sample collection and the date and time the sample was extracted. Holding times were further defined as the maximum amount of time allowed to elapse between the date and time of extraction and sample analysis. DCL was required to meet extraction holding times of 7 days for water and soil samples collected for SVOC analysis. All analyses were required within 40 days after extraction. Based on an evaluation of all environmental samples and field QC blanks analyzed for SVOCs using USAEC Methods LM25 and UM25, all holding time criteria were met.

Tuning and Mass Calibration Results—The first step in the calibration of the GC/MS system is the demonstration of satisfactory ionization and fragmentation of standard mass spectral tuning compounds. This was accomplished, in addition to a sensitivity check, using decafluorotriphenylphosphine (DFTPP) injected at a concentration near the instrument detection limit, as required by the protocols in USAEC Methods LM25 and UM25. This standard was analyzed every 12 hours to ensure that each GC/MS used to analyze samples collected during the RI was tuned correctly. Tuning and mass calibration requirements used to evaluate the acceptable instrument operation are described in the USAEC methods. Based on an evaluation of the ionization and fragmentation criteria, in addition to the instrument tune frequency, all DFTPP tuning and mass calibration criteria requirements were met.

Initial Calibration Results—After the tuning and mass calibration criteria were verified and before samples were analyzed, calibration of each GC/MS used to analyze samples collected during the RI was established and validated by injecting traceable standards at five concentrations

spanning the expected sample concentration range to determine instrument sensitivity and the linear range of each target compound. Initial calibration was conducted after the GC/MS tune criteria were met and before any samples were analyzed. Following the initial calibration, the average RRF values for all SVOCs were evaluated to verify the validity of the initial calibration. Calibration criteria requirements for SVOC analyses are described in USAEC Methods UM25 and LM25. Based on an evaluation of the initial calibrations conducted for SVOC analyses, all initial calibration requirements were met.

Daily Calibration Standard Results—A check of the calibration curve was conducted before and after environmental samples were analyzed each day. The daily standard is not used for quantitation, it is used to verify that the working curve is still valid. The working curve was used for quantitation of the samples. The daily calibration was evaluated based on the magnitude of the %D between the average RRF of each compound for the initial calibration and the RRF of that compound in the daily calibration standard. The response factor for two-thirds of the compounds from the end-of-day calibration standard must agree within ± 25 percent with the corresponding compound from the calibration standard run during initial calibration. Based on an evaluation of the daily calibrations conducted for SVOC analyses, all criteria requirements were met.

Internal Standard Summaries—Six ISs (i.e., 1,4-dichlorobenzene-d_4, naphthalene-d_8, acenaphthene-d_{10}, phenanthrene-d_{10}, chrysene-d_{12}, and perylene-d_{12}) were added to each sample immediately before analysis as an indicator of instrumental operating variations. The concentrations of SVOCs detected were calculated with reference to the RF of the IS for each sample. There are no control limits for the recovery of ISs for USAEC Methods UM25 and LM25; therefore, the SVOC data were not evaluated against IS recoveries.

Surrogate Recovery Results—Ten compounds (i.e., nitrobenzene-d_5 [NBD5], 2-fluorobiphenyl [2FBP], terphenyl-d_{14} [TRPD14], phenol-d_5 [PHEND6], 2-fluorophenol [2FP], 2,4,6-tribromophenol [246TBP], 2-chlorophenol-d_4 [2CLPD4], 1,3-dichlorobenzene-d_4 [13DBD4], diethyl-phthalate-d_4 [DEPD4], and di-n-octyl-phthalate-d_4 [DNOPD4]) were added to each sample immediately before analysis. Surrogate compounds spiked into field samples

provide information on the efficiency of all steps of the GC/MS method in recovering these compounds from the individual sample matrices. Since surrogate compounds were spiked into every environmental sample, they were the primary tool used to determine if matrix interference was present during SVOC analysis. The QC limits for recovery of all surrogates for soil and water environmental samples were those established for the surrogate QC spikes, and were submitted by DCL for each analytical lot (i.e., LCL and UCL). Above average recoveries of the surrogates spiked into environmental samples indicate positive matrix interferences and a possible high bias in the data; below average recoveries indicate negative matrix interferences and a possible low bias in the data. Surrogate compounds spiked into standard matrix method blanks provide information on the accuracy and precision of the analysis of each analytical lot and indicate out-of-control situations.

Based on an evaluation of the surrogates spiked into environmental samples, 27 recovery results (of 270 reviewed values) were outside the applicable control limits. Twelve environmental samples had one or more SVOC surrogate outside the control limits. The frequency of surrogates exceeding the control limits is four times for 2FB, one time for PHEND6, three times for 2CLPD4, one time for 13DBD4, five times for 2FBP, six times for DEPD4, three times for 246TBP, and two times for TRPD14 and DNOPD4. SVOC data showed a potential for false negatives with 10 percent of all SVOC surrogate results below the LCLs. Based upon these results, SVOC data should be considered biased low, indicating negative matrix interferences.

A variety of individual recoveries for surrogates spiked into standard matrix method blanks were slightly outside the control limits, but are not deemed to affect field data, since all ISs, instrument tunes, and calibration are acceptable. The magnitude of these individual points was attributed to normal variation in the distribution of recovery values for the method. The frequency of these surrogates exceeding the control limits is as follows: two times for PHEND6, three times for 2CLPD4, one time for NBD5 and DEPD4, and two times for 246TBP. Tables F-17 and F-18 summarize the surrogate recovery results for soil and water samples, respectively.

Method Blank Results—One method blank analysis was conducted with each analytical lot of environmental samples analyzed for SVOCs. Each method blank was evaluated for interferents that might potentially interfere with accurate quantitation of a target compound. Method blank analysis results were assessed to determine the existence and magnitude of contamination problems. If any problems with any blank existed, all data associated with the case were carefully evaluated to determine whether an inherent variability in the data for the case exists, or if the problem is an isolated occurrence that would not affect the data. Based on an evaluation of all method blanks analyzed for SVOCs, no unacceptable level of contamination was found in the method blanks. No SVOC were detected in the soil and water method blanks.

Matrix Spike/Matrix Spike Duplicate Results—MS/MSD analyses were conducted to assess the accuracy and precision of the laboratory and to evaluate the matrix effect of the sample upon the analytical methodology based upon the percent recovery of each compound. Accuracy was expressed as the percent recovery of the spike compounds. Precision was expressed as the RPD of the concentrations of the spike compounds in the MS/MSD samples. The control limits for percent recoveries in soil and water samples are described in the QAPP. MS/MSDs were evaluated to verify that 1 MS/MSD analysis was conducted for every 20 environmental samples received by the laboratory, that these analyses were conducted on environmental samples only, and that the recovery and difference results did not indicate systematic laboratory control problems.

Two MS/MSD analyses were validated for soil samples collected during the RI. Recovery values of 6 out of 44 reviewed SVOC MS/MSDs were above the EPA CLP advisory control limits. Recoveries above the upper limit in the natural matrix spike indicate positive matrix interferences and possible high bias data. All RPD values (of 22 values reviewed) calculated from the SVOC MS/MSD soil samples were within the EPA CLP advisory control limits for analytical precision. Table F-19 summarizes the MS/MSD results for soil samples. No MS/MSD analyses for water samples were included in 30 percent of the validated SVOCs data.

F.3.1.4 Pentachlorophenol Analysis (EPA Method 8040)

One hundred and thirty-four water samples and 24 equipment rinsates were collected and analyzed by DCL for PCP using EPA Method 8040. Data quality was evaluated using the guidelines and control limits specified for holding times, initial and check standards, surrogate recoveries, method blanks, and MS/MSD results. The PCP data validation worksheets are presented in Table F-20.

Holding Times—Holding times were defined as the maximum amount of time allowed to elapse between the date and time of sample collection and the date and time the sample was extracted. Holding times were further defined as the maximum amount of time allowed to elapse between the date and time of extraction and sample analysis. DCL was required to meet extraction holding times of 7 days for water samples collected for PCP analysis. All analyses were required within 40 days after extraction. Based on an evaluation of all environmental samples and equipment rinsates analyzed for PCP using EPA Method 8040, all holding time criteria were met.

Initial Calibration Results—Compliance requirements for satisfactory instrument calibration have been established to ensure that the instrument is capable of producing acceptable quantitative data. Calibration of each GC used to analyze the samples collected during the Fort McClellan RI were established and validated by injecting standards at six concentrations, spanning the expected sample concentration range. One of the standard concentrations was at a concentration near, but above, the method detection limit (i.e., 1 μg/L). The instrument responses were used to establish the calibration curves. The GC calibration was fitted by a quadratic equation. These calibration curves were used for PCP and surrogate quantitation. All initial calibration criteria were met.

Continuing Calibration Standard Results—A check of the calibration curve was conducted before and after environmental samples were analyzed each day. The CCS was used to verify that the working curve is still valid. The CCS of the GC system was evaluated based on the magnitude of the instrument response for PCP. The instrument response for PCP from the CCS must agree within ± 15 percent with the predicted response. In addition, all preceding

standards in an analysis sequence should fall within the daily retention time window established by the first standard of the sequence. Based on an evaluation of the CCS conducted for PCP analyses, all continuing calibration criteria were met.

Surrogate Recoveries—Two surrogate compounds (i.e., 246TB and 2FP) were added to each calibration standard, environmental sample, and laboratory and field QC sample immediately before analysis. Surrogate compounds spiked into field samples provide information on the efficiency of all steps of the GC method in recovering this compound from the individual environmental sample matrices. Since 246TBP and 2FP were spiked into every environmental sample, they were the primary tool used to determine if matrix interference was present during pentachlorophenol analysis. The QC limits for the recovery of 246TBP and 2FP in water samples were 10 to 123 percent and 21 to 100 percent, respectively. All surrogate recoveries were within the recommended control limits. Table F-21 summarizes the surrogate recovery results for water samples.

Method Blank Results—One method blank analysis was conducted for each analytical lot of environmental samples analyzed for PCP. Each method blank was evaluated for contaminants that prevent accurate quantitation of a target compound. Based on an evaluation of all method blanks analyzed for PCP using EPA Method 8040, no PCP was detected in the method blanks.

Matrix Spike/Matrix Spike Duplicate Results—MS/MSD analyses were conducted to assess the accuracy and precision of the laboratory and to evaluate the matrix effect of the sample upon the analytical methodology based upon the percent recovery of each compound. Accuracy was expressed as the percent recovery of the spike compounds. Precision was expressed as the RPD of the concentrations of the spike compounds in the MS/MSD samples. The control limits for percent recoveries for water samples were 36 to 134 percent and for the RPD was 50 percent. MS/MSDs were evaluated to verify that 1 MS/MSD analysis was conducted for every 20 environmental samples received by the laboratory, that these analyses were conducted on environmental samples only, and that the recovery and difference results did not indicate systematic laboratory control problems. Table F-22 summarizes the MS/MSD results for groundwater samples.

Three MS/MSD analyses were reviewed for water samples collected during the RI. All MS/MSD recoveries (i.e., 6 values reviewed) and RPD values (i.e., 3 values reviewed) were within control limits.

F.3.1.5 Polynuclear Aromatic Hydrocarbon Analysis (EPA Method 8310)

One hundred and thirty-two water samples and 24 equipment rinsates were collected and analyzed by DCL for PAHs using EPA SW846 Method 8310. Data quality was evaluated using the guidelines and control limits specified for holding times, initial and check standards, surrogate recoveries, method blanks, and MS/MSD results. The PAHs data validation worksheets are presented in Table F-23.

Holding Times—Holding times were defined as the maximum amount of time allowed to elapse between the date and time of sample collection and the date and time the sample was extracted. Holding times were further defined as the maximum amount of time allowed to elapse between the date and time of extraction and sample analysis. DCL was required to meet extraction holding times of 7 days for water samples collected for PAH analysis. All analyses were required within 40 days after extraction. Based on an evaluation of all environmental samples and equipment rinsates analyzed for PAHs using EPA Method 8310, all holding time criteria were met.

Initial Calibration Results—Compliance requirements for satisfactory instrument calibration have been established to ensure that the instrument is capable of producing acceptable quantitative data. Calibration of each HPLC used to analyze the samples collected during the RI were established and validated by injecting standards at five concentrations, spanning the expected sample concentration range. The HPLC calibration was fitted by a linear equation, and the correlation coefficient was greater than 0.990. The instrument responses were used to establish the calibration curves. These calibration curves were used for PAHs and surrogate quantitation. All initial calibration criteria were met.

Continuing Calibration Standard Results—A check of the calibration curve was conducted before and after environmental samples were analyzed each day. The CCS was used

to verify that the working curve is still valid. The CCS of the HPLC system was evaluated based on the magnitude of the instrument response for PAHs. The instrument response for PAHs from the CCS must agree within ±15 percent with the predicted response. In addition, all preceding standards in an analysis sequence should fall within the daily retention time window established by the first standard of the sequence. Based on an evaluation of the CCSs conducted for PAH analyses, all continuing calibration criteria were met.

Surrogate Recoveries—One surrogate compound (i.e., benzo[e]pyrene]) was added to each calibration standard, environmental sample, and laboratory and field QC sample immediately before analysis. Surrogate compounds spiked into field samples provide information on the efficiency of all steps of the HPLC method in recovering this compound from the individual environmental sample matrices. Since benzo(e)pyrene was spiked into every environmental sample, it was the primary tool used to determine if matrix interference was present during PAH analysis. The QC limits for recovery of benzo(e)pyrene in water samples were 0 to 150 percent. All surrogate recoveries were within the recommended control limits. Table F-24 summarizes the surrogate recovery results for 30 percent of the water samples.

Method Blank Results—One method blank analysis was conducted for each analytical lot of environmental samples analyzed for PAHs. Each method blank was evaluated for contaminants that prevent accurate quantitation of a target compound. Based on an evaluation of all method blanks analyzed for PAHs using EPA Method 8310, no PAHs were detected in the method blanks.

Matrix Spike/Matrix Spike Duplicate Results—MS/MSD analyses were conducted to assess the accuracy and precision of the laboratory and to evaluate the matrix effect of the sample upon the analytical methodology based upon the percent recovery of each compound. Accuracy was expressed as the percent recovery of the spike compounds. Precision was expressed as the RPD of the concentrations of the spike compounds in the MS/MSD samples. The control limits for percent recoveries of water samples were as follows: 12 to 135 percent for benzo(a)anthracene, 0 to 128 percent for benzo(a)pyrene, and 0 to 199 percent for chrysene. The control limit for the RPD of the MS/MSD compounds was 50 percent. MS/MSDs were

evaluated to verify that 1 MS/MSD analysis was conducted for every 20 environmental samples received by the laboratory, that these analyses were conducted on environmental samples only, and that the recovery and difference results did not indicate systematic laboratory control problems. Table F-25 summarizes the MS/MSD results for water samples.

Four MS/MSD analyses were reviewed for water samples collected during the RI. All MS/MSD recoveries (i.e., 12 values reviewed) and RPD values (i.e., 6 values reviewed) were within control limits.

F.3.1.6 Hexachlorobenzene and Hexachlorocyclopentadiene Analyses (USAEC Method KK8)

One hundred and thirty-two water samples and 23 equipment rinsates were collected and analyzed by DCL for CL6BZ and CL6CP using USAEC Method KK8. Data quality was evaluated using the guidelines and control limits specified for holding times, initial and daily standards, method blanks, USAEC spike QC sample recoveries, and MS/MSD results. The CL6BZ and CL6CP data validation worksheets are presented in Table F-26.

Holding Times—Holding times were defined as the maximum amount of time allowed to elapse between the date and time of sample collection and the date and time the sample was extracted. Holding times were further defined as the maximum amount of time allowed to elapse between the date and time of extraction and sample analysis. DCL was required to meet extraction holding times of 7 days for water samples collected for CL6BZ and CL6CP analyses. All analyses were required within 40 days after extraction. Based on an evaluation of all environmental samples and equipment rinsates analyzed for CL6BZ and CL6CP using USAEC Method KK8, all holding time criteria were met.

Initial Calibration Results—Compliance requirements for satisfactory instrument calibration have been established to ensure that the instrument is capable of producing acceptable quantitative data. Calibration of each GC used to analyze the samples collected during the Fort McClellan RI were established and validated by injecting standards at six concentrations, spanning the expected sample concentration range. One of the standard concentrations for

CL6CP was at a concentration near, but above, the method detection limit (i.e., 0.048 μg/L). The instrument responses were used to establish the calibration curves. The calibration curves were fitted by quadratic equations. These equations were used for CL6BZ and CL6CP quantitation. All initial calibration criteria were met.

Daily Calibration Standard Results—A check of the calibration curve was conducted before and after environmental samples were analyzed each day. The daily standard is used to verify that the working curves were still valid. The response factor of the compounds from the daily calibration standard must agree within ± 25 percent with the response factor of the corresponding compound from the calibration standard run during initial calibration. At the end of the daily instrument calibration, a check standard was analyzed. The response of this end-of-day analysis must be within ± 15 percent of the expected value. Based on an evaluation of the daily calibration standard conducted for CL6BZ and CL6CP analysis, all continuing calibration criteria were met.

Method Blank Results—One method blank analysis was conducted for each analytical lot of environmental samples analyzed for CL6BZ and CL6CP. Each method blank was evaluated for contaminants that prevent accurate quantitation of a target compound. Based on an evaluation of all method blanks analyzed for CL6BZ and CL6CP using USAEC Method KK8, no contaminants were detected in the method blanks.

USAEC Spike QC Sample (Laboratory Control Sample) Analysis—Three laboratory control samples (LCS) analyses (i.e., low, high, and high) were conducted with each analytical lot of water samples analyzed for CL6CP by DCL using USAEC Method KK8. The USAEC QC control charts show that all analyses performed by GC technique had acceptable accuracy and precision.

Matrix Spike/Matrix Spike Duplicate Results—MS/MSD analyses were conducted to assess the accuracy and precision of the laboratory and to evaluate the matrix effect of the sample upon the analytical methodology based upon the percent recovery of each compound. Accuracy was expressed as the percent recovery of the spike compounds. Precision was

expressed as the RPD of the concentrations of the spike compounds in the MS/MSD samples. MS/MSDs were evaluated to verify that 1 MS/MSD analysis was conducted for every 20 environmental samples received by the laboratory, that these analyses were conducted on environmental samples only, and that the recovery and difference results did not indicate systematic laboratory control problems. No MS/MSD water analyses were included in the reviewed data packages.

F.3.1.7 Organochlorine Pesticide/PCB Analyses (USAEC Methods UH20 and LH17)

Sixty-five soil samples, 134 water samples, and 30 equipment rinsates were collected and submitted for organochlorine pesticides/PCBs analyses using USAEC Methods UH20 and LH17. Data quality was evaluated using the guidelines and control limits specified for holding times, initial and check calibration standards, daily standard, surrogate recovery, method blank, USAEC spiked QC sample, and MS/MSDs. The pesticide/PCBs data validation worksheets are presented in Table F-27.

Holding Times—Holding times were defined as the maximum amount of time allowed to elapse between the date and time of sample collection and the date and time of sample extraction and analysis. Extraction holding times were defined further as the maximum amount of time allowed to elapse between the date and time of sample collection and the date and time the sample is concentrated to the final injection volume, excluding any re-extraction and reanalyses.

DCL was required to meet extraction holding times (for both soil samples and field QC blanks) of 7 days for pesticide/PCB analyses. A maximum analysis of 40 days from extraction was specified for soil samples and field QC blanks. Based on an evaluation of all environmental and field QC blanks, holding time criteria were met.

Initial Calibration and Calibration Check Standard Results—Compliance requirements for satisfactory instrument calibration have been established to ensure that the instrument is capable of producing acceptable quantitative data. Calibration of each GC used to analyze the pesticide/PCB samples collected during the RI were established and validated by injecting

standards at five concentrations, spanning the expected sample concentration range. The instrument responses were used to establish the calibration curves. The calibration curves were fitted by quadratic equations. These equations were used for pesticide/PCB quantitation. In addition to the initial calibration standards, USAEC Methods UH20 and LH17 require the analysis of a calibration check standard. During initial calibration, a calibration check standard was analyzed at the completion of calibration. The concentration of the calibration check standard was near the upper end of the certified range. Calibration check standard results must agree within ±25 percent of the predicted value. All criteria were met for initial calibration and calibration check standard.

Daily Calibration Results—A check of the calibration curve was conducted before and after environmental samples were analyzed each day. The daily standard is not used for quantitation, it is used to verify that the working curve is still valid. The working curve was used for quantitation of the samples. The daily calibration was evaluated based on the magnitude of the percent recovery between the response of each compound for the initial calibration and the instrument response of that compound in the daily calibration standard. The response factor for two-thirds of the compounds from the daily calibration standard must agree within ±25 percent with the corresponding compound from the calibration standard run during initial calibration. Based on an evaluation of the daily calibrations conducted for pesticide/PCB analyses, all continuing calibration criteria were met.

Surrogate Recoveries—Two compounds (i.e., decachlorobiphenyl and tetrachloro-m-xylene) were added to each sample immediately before analysis. Surrogates spiked into field samples provided information on the efficiency of all steps of the GC method in recovering these compounds from the individual sample matrices. Since surrogate compounds were spiked into every environmental sample, they were the primary tool used to determine if matrix interferences were present during pesticide/PCB analysis. No control limits are available for surrogate recovery for USAEC Methods UH20 and LH17. The EPA CLP QC limits for surrogate recoveries were used to determine if the matrix interference was present. The EPA CLP control limits (i.e., 60 to 150 percent) are advisory, and no further action by the laboratory is required if the limits are exceeded; however, frequent failures to meet the limits for surrogate

recovery warrant investigation by the laboratory. All criteria were met for PCB surrogate analysis.

Method Blank Results—One method blank analysis was conducted with each lot of soil samples and equipment rinsates collected for pesticide/PCB analysis. Each method blank was evaluated for interferents that might potentially interfere with accurate quantitation of a target compound. Based on an evaluation of all method blanks analyzed for pesticide/PCBs using USAEC Methods UH20 and LH17, no contaminants were detected.

USAEC QC Spiked Sample Analysis—One QC spike sample analysis was conducted with each analytical lot of soil and water samples analyzed by DCL using USAEC Methods UH20 and LH17. The USAEC QC control charts show that all analyses had acceptable accuracy and precision, except for lots AMEO, AMKL, and AMLF. The range for the precision control charts (i.e., three-day range) for two organochloride pesticide/PCBs (i.e., chlordane and PCB260) from lot AMEO (30.2 and 44 percent) are above the UCLs. These exceptions are attributable to the fluctuations in the analytical sensitivity and are considered to have a minimal impact on the data usability. Spiked QC samples in lot AMEO, analyzed on June 21, 1994 by USAEC Method UH20, three-day control charts were out-of-control for chlordane and aldrin. The average recovery for chlordane on the low spike (83.9 percent) was below the LCL and the average recovery for aldrin on the low spike (111.3 percent) was above the UCL. For spiked QC samples in lots AMKL and AMLF, analyzed on July 2 and 8, 1994, three-day control charts were out-of-control for aldrin. The average recoveries for aldrin on the low spikes (113.7 and 121.7 percent) were above the UCLs. These results are not thought to adversely affect the field sample results. The standards and check standards met the method criteria and no field samples had positive detection of any compound; therefore, no data were compromised.

Five individual recoveries for organochlorine pesticides/PCBs spiked into standard matrix blanks were slightly outside the UCL and LCL, but are not deemed to affect the field data, since all calibrations are acceptable. The magnitude of these points was attributed to normal variation in the distribution of recovery values for the method. The frequency of those compounds

exceeding the control limits is as follows: one time for methoxychlor, endosulfan I, and dieldrin, and two times for aldrin.

Matrix Spike/Matrix Spike Duplicate Results—MS/MSD analyses were conducted to assess the accuracy and precision of the laboratory and to evaluate the matrix effect of the sample upon the analytical methodology based upon the percent recovery of eight compounds (i.e., endosulfan I, aldrin, dieldrin, endrin, heptachlor, gamma-BHC, methoxychlor, and 4,4′-DDT). Accuracy was expressed as the percent recovery of the spike compounds. Precision was expressed as the RPD of the concentration of the spike compounds in the MS/MSD samples. One MS/MSD analysis was required for every set of 20 samples of a similar matrix.

Two pesticide/PCB MS/MSD soil values (16 recovery values reviewed) were below the LCLs. These exceptions are: endrin (39.1 and 183.3 percent) for LF1-D01 MS and RL-D01 MS. All RPD values were within the control limits, except for heptachlor (34.5 percent) in RL-D01. No MS/MSD water analyses were included in the 30 percent of the validated organochloride pesticides/PCBs. Table F-28 summarizes the MS/MSD results for soil samples.

F.3.1.8 Explosives Related Compounds Analysis (USAEC Methods LW23 and UW25)

Eighty-one soil samples, 135 water samples, and 34 equipment rinsates were collected and analyzed by DCL for explosives using USAEC Methods LW23 and UW25. Data quality was evaluated using the guidelines and control limits specified for holding times, initial and calibration check standards, daily calibration standards, method blanks, USAEC spike QC samples, and MS/MSD results. The explosives data validation worksheets are presented in Table F-29.

Holding Times—Holding times were defined as the maximum amount of time allowed to elapse between the date and time of sample collection and the date and time the sample was extracted. Holding times were further defined as the maximum amount of time allowed to elapse between the date and time of extraction and sample analysis. DCL was required to meet extraction holding times of 7 days for soil and water samples collected for explosives analysis. All analyses were required within 40 days after extraction. Based on an evaluation of all

environmental samples and equipment rinsates analyzed for explosives using USAEC Methods LW23 and UW25, all holding time criteria were met.

Initial Calibration and Calibration Check Standard Results—Compliance requirements for satisfactory instrument calibration have been established to ensure that the instrument is capable of producing acceptable quantitative data. Calibration of each HPLC used to analyze the samples collected during the RI were established and validated by injecting standards at five concentrations, spanning the expected sample concentration range. The instrument responses were used to establish the calibration curves. The calibration curves were fitted by quadratic equations. These equations were used for explosives quantitation. In addition to the initial calibration standards, USAEC Methods LW23 and UW25 require the analysis of a calibration check standard. During initial calibration, a calibration check standard was analyzed at the completion of calibration. Calibration check standard results must agree within ± 25 percent of the predicted value. Based on an evaluation of the initial and calibration check standards conducted for explosives analyses, all criteria were met.

Daily Calibration Results—A check of the calibration curve was conducted before and after environmental samples were analyzed each day. The daily standard is not used for quantitation, it is used to verify that the working curve is still valid. The working curve was used for quantitation of the samples. The daily calibration was evaluated based on the magnitude of the percent recovery between the response of each compound for the initial calibration and the instrument response of that compound in the daily calibration standard. The response factor for all compounds from the daily calibration standard must agree within ± 25 percent with the corresponding compound from the calibration standard run during initial calibration. Based on an evaluation of the daily calibrations conducted for explosives analyses, all criteria were met.

Method Blank Results—One method blank analysis was conducted for each analytical lot of environmental samples analyzed for explosives. Each method blank was evaluated for contaminants that prevent accurate quantitation of a target compound. Based on an evaluation of all method blanks analyzed for explosives using USAEC Methods LW23 and UW25, no explosives were detected in the method blanks.

USAEC QC Spiked Sample Analysis—One QC spike sample analysis was conducted with each analytical lot of soil and water samples analyzed by DCL using USAEC Methods LW12 and UW32. The USAEC QC control charts show that all analyses performed by these methods had acceptable accuracy and precision, except for lots AKTT, AMEK, AMET, AMHP, and AMCG. Lots AKTT, AMEK, AMET, AMHP, and AMCG, analyzed between May 19 and June 25, 1994, had various three-day and single-day control charts out-of-control for 246TNT, 135TNB, RDX, and 24DNT by USAEC Methods UW25 and LW23. The three-day recoveries for 246TNT (72.2 and 91.5 percent), 24DNT (64.3 and 87.7 percent), 135TNT (69.7 and 73.5 percent), and RDX (51 and 88.6 percent) were below the LCLs. The average recoveries for RDX (144 percent) and 246TNT (96 percent) in lot AMEK were above the UCLs. For QC samples in lots AMEK, AMHP, and AMCG, the single-day X-bar control charts for 24DNT (89.2 and 89.4 percent) and RDX (50 percent) were below the LCLs. Standards, initial calibration, daily calibration, and check standards for lots AKTT, AMEK, AMET, AMHP, and AMCG are acceptable. No anomalies were found in the review of the analysis that could account for the spike recoveries below the LCLs and above the UCLs for the samples in these lot. All explosives were reported LT in field samples reported in these lots. The out-of-control situations are expected to have a minimal impact on the data usability.

A variety of individual recoveries for nitrobenzene, 246TNT, RDX, 135TNB, and 24DNT in the USAEC QC samples (i.e., low and high spikes) were slightly outside the control limits. They are not deemed to affect the field data, since all calibrations are acceptable. The magnitude of these points was attributed to normal variation in the distribution of recovery values for the method.

Matrix Spike/Matrix Spike Duplicate Results—MS/MSD analyses were conducted to assess the accuracy and precision of the laboratory and to evaluate the matrix effect of the sample upon the analytical methodology based upon the percent recovery of every compound. Accuracy was expressed as the percent recovery of the spike compounds. Precision was expressed as the RPD of the concentrations of the spike compounds in the MS/MSD samples. The control limits for percent recoveries in soil and water samples are described in the QAPP. MS/MSDs were evaluated to verify that 1 MS/MSD analysis was conducted for every 20

environmental samples received by the laboratory, that these analyses were conducted on environmental samples only, and that the recovery and difference results did not indicate systematic laboratory control problems.

All soil MS/MSD recoveries (i.e., 27 values reviewed) were within control limits. No control limits were recommended for RPD results. Table F-30 summarizes the MS/MSD results for soil samples.

F.3.1.9 Nitroglycerine and Pentaerythritol Tetranitrate Analyses (USAEC Methods LW27 and UW27)

Seventy-two soil samples, 90 water samples, and 28 equipment rinsates were collected and analyzed by DCL for nitroglycerin and PETN using USAEC Methods LW27 and UW27. Data quality was evaluated using the guidelines and control limits specified for holding times, initial and calibration check standards, daily calibration standards, method blanks, and USAEC spike QC samples. The nitroglycerin and PETN data validation worksheets are presented in Table F-31.

Holding Times—Holding times were defined as the maximum amount of time allowed to elapse between the date and time of sample collection and the date and time the sample was extracted. Holding times were further defined as the maximum amount of time allowed to elapse between the date and time of extraction and sample analysis. DCL was required to meet extraction holding times of 7 days for soil and water samples collected for nitroglycerin and PETN analysis. All analyses were required within 40 days after extraction. Based on an evaluation of all environmental samples and equipment rinsates analyzed for nitroglycerin and PETN using USAEC Methods LW27 and UW27, all holding time criteria were met.

Initial Calibration and Calibration Check Standard Results—Compliance requirements for satisfactory instrument calibration have been established to ensure that the instrument is capable of producing acceptable quantitative data. Calibration of each HPLC used to analyze the samples collected during the RI were established and validated by injecting standards at five concentrations, spanning the expected sample concentration range. The instrument responses

were used to establish the calibration curves. The calibration curves were fitted by quadratic equations. These equations were used for nitroglycerin and PETN quantitation. In addition to the initial calibration standards, USAEC Methods LW27 and UW27 require the analysis of a calibration check standard. During initial calibration, a calibration check standard was analyzed at the completion of calibration. Calibration check standard results must agree within ±25 percent of the predicted value. Based on an evaluation of the initial and check calibration standards conducted for nitroglycerin and PETN analyses, all criteria were met.

Daily Calibration Results—A check of the calibration curve was conducted before and after environmental samples were analyzed each day. The daily standard is not used for quantitation, it is used to verify that the working curve is still valid. The working curve was used for quantitation of the samples. The daily calibration was evaluated based on the magnitude of the percent recovery between the response of each compound for the initial calibration and the instrument response of that compound in the daily calibration standard. The response factor for all compounds from the daily calibration standard must agree within ±25 percent with the corresponding compound from the calibration standard run during initial calibration. Based on an evaluation of the daily calibrations conducted for nitroglycerin and PETN analyses, all criteria were met.

Method Blank Results—One method blank analysis was conducted for each analytical lot of environmental samples analyzed for nitroglycerin and PETN. Each method blank was evaluated for contaminants that prevent accurate quantitation of a target compound. Based on an evaluation of all method blanks analyzed for nitroglycerine and PETN using USAEC Methods LW27 and UW27, no nitroglycerin and PETN were detected in the method blanks.

USAEC QC Spiked Sample Analysis—One QC spike sample analysis was conducted with each analytical lot of soil and water samples analyzed by DCL using USAEC Methods LW12 and UW32. The USAEC QC control charts show that all analyses performed by these methods had acceptable accuracy and precision, except for lot AKTU. For lot AKTU, analyzed on May 19, 1994 for PETN by USAEC Method LW27, the three-day X-bar control charts below the LCL. The high spike X-bar in lot AKTU is within the control limits, and therefore, the

environmental sample data are not adversely affected by this out-of-control situation. The PETN results are considered acceptable and the data are valid. The range for the precision control chart (i.e., three-day range) for nitroglycerin in lot AKTU (i.e., 50 percent) was above the UCL. This exception is attributable to the fluctuations in analytical sensitivity and is considered to have a minimal impact on data usability.

Two individual recoveries for nitroglycerine and PETN in the USAEC QC samples (i.e., low spikes) were slightly outside the control limits. They are not deemed to affect the field data, since all calibrations are acceptable. The magnitude of these points was attributed to normal variation in the distribution of recovery values for the method.

F.3.1.10 Chemical Agent Breakdown Products (Organosulfurs) Analyses (USAEC Methods LL03 and UL04)

Sixty-two soil samples, 77 water samples, and 25 equipment rinsates were collected and submitted for organosulfur products analyses using USAEC Methods LL03 and UL04. Data quality was evaluated using the guidelines and control limits specified for holding times, initial and check calibration standards, method blank, USAEC spiked QC samples, and MS/MSD. The organosulfur products data validation worksheets are presented in Table F-32.

Holding Times—Holding times were defined as the maximum amount of time allowed to elapse between the date and time of sample collection and the date and time of sample extraction and analysis. Holding times were further defined as the maximum amount of time allowed to elapse between the date and time of extraction and sample analysis. ES&E was required to meet extraction holding times of 7 days and a maximum analysis holding time of 40 days. Based on an evaluation of all environmental and field QC blanks, holding time criteria were met.

Initial Calibration Results—Compliance requirements for satisfactory instrument calibration have been established to ensure that the instrument is capable of producing acceptable quantitative data. Calibration of each GC used to analyze the samples collected during the RI were established and validated by injecting standards at nine concentrations, spanning the

expected sample concentration range. The instrument responses were used to establish the calibration curves. The calibration curves were fitted by quadratic equations. These equations were used for chemical agent breakdown products quantitation. In addition to the initial calibration standards, USAEC Methods LL03 and UL04 require the analysis of a reference standard. During initial calibration, a reference standard was analyzed at the completion of calibration. Reference standard results must agree within ±25 percent of the predicted value. Based on an evaluation of the initial and reference standards conducted for chemical agent breakdown products analyses, all criteria were met.

Daily Calibration Results—A check of the calibration curve was conducted before and after environmental samples were analyzed each day. The daily standard is not used for quantitation, it is used to verify that the working curve is still valid. The working curve was used for quantitation of the samples. The daily calibration was evaluated based on the magnitude of the percent recovery between the response of each compound for the initial calibration and the instrument response of that compound in the daily calibration standard. The response factor for all compounds from the daily calibration standard must agree within ±25 percent with the corresponding compound from the calibration standard run during initial calibration. Based on an evaluation of the daily calibrations conducted for organosulfur compounds analyses, all criteria were met.

Method Blank Results—One method blank analysis was conducted with each lot of soil and water samples collected for chemical agent breakdown products analyses. Each method blank was evaluated for interferents that might potentially interfere with accurate quantitation of a target compound. Based on an evaluation of all method blanks analyzed for organosulfur products using USAEC Methods LL03 and UL04, no contaminants were detected.

USAEC QC Spike Sample Analysis—One QC spike sample analysis was conducted with each analytical lot of soil and water samples analyzed by ES&E using USAEC Methods LL03 and UL04. The USAEC QC control charts show that all analyses performed by these methods had acceptable accuracy and precision, except for lots VDKA, RGAM, and RGNA. For QC samples in lot VDKA, analyzed on July 18, 1994 by USAEC Methods UL04, the three-day

X-bar control charts for DITH (89.8 percent) were above the LCL. Lots RAGM and RAGN, analyzed on July 18, 1994, had single-day control charts out-of-control for CPMS02 (99.1), DMDS (78.9 percent), and OXAT (82.2 percent). The single-day recovery for CPMS02 (99.1 percent) is above the UCL and the average recoveries for DMDS (78.9 percent) and OXAT (82.2 percent) are below the LCLs. Standards, daily calibration, and check standards for lots VDKA, RAGN, and RAGM were within the control limits. DITH, CPMS02, DMDS, and OXAT were reported LT in field samples reported in these lots, and therefore, the impact of these out-of-control situations on data quality is believed to be negligible. The high spike range for DMDS (14.8 percent) in lot VDKA was above the UCL. The range for the precision control chart (i.e., three-day range) in lot RGAN is above the UCLs for BTZ (17.5 percent), CPMS (17.4 percent), 4-chlorophenylmethyl sulfoxide (15.7 percent), 4-chlorophenylmethyl sulfoxide (15.5 percent), DITH (18.7 percent), and DMDS and OXAT (16.7 percent). These exceptions are attributable to the fluctuations in analytical sensitivity and are considered to have a minimal impact on data usability.

Several individual high spike recoveries and one individual low spike recovery for BTZ, CPMS, CPMS02, CPMS0, DMDS, OXAT, and DITH spiked into QC samples were slightly above the UCL, but are not deemed to affect the field data, since all calibrations are acceptable. The magnitude of these points was attributed to normal variation in the distribution of recovery values for the method.

Matrix Spike/Matrix Spike Duplicate Results—MS/MSD analyses were conducted to assess the accuracy and precision of the laboratory and to evaluate the matrix effect of the sample upon the analytical methodology based upon the percent recovery of each compound. Accuracy was expressed as the percent recovery of the spike compound. Precision was expressed as the RPD of the concentration of the spike compounds in the MS/MSD samples. One MS/MSD analysis was required for every set of 20 samples of a similar matrix.

All organosulfur products MS/MSD values (14 values reviewed for soil samples) were within the advisory control limits (i.e., 75 to 125 percent). No control limit was recommended

for RPD values. Table F-33 summarizes the MS/MSD results for soil samples. No MS/MSD analyses were validated for water samples collected during the RI.

F.3.1.11 Thiodiglycol Analysis (USAEC Methods UW22 and LW18)

Sixty-three soil samples, 77 groundwater samples, and 27 equipment rinsates were collected during the RI and analyzed for thiodiglycol using USAEC Methods UW22 and LW18. Data quality was evaluated using the guidelines and control limits specified for holding times, instrument calibration and calibration check standard, daily standard, method blanks, USAEC spike QC samples, and MS/MSD results. The thiodiglycol data validation worksheets are presented in Table F-34.

Holding Times—Holding times were defined as the maximum amount of time allowed to elapse between the date and time of sample collection and the date and time the sample was extracted. Holding times were further defined as the maximum amount of time allowed to elapse between the date and time of extraction and sample analysis. ES&E was required to meet extraction holding times of 7 days for water and soil samples collected for thiodiglycol analysis. All analyses were required within 40 days after extraction. Based on an evaluation of all environmental samples and equipment rinsates analyzed for thiodiglycol using USAEC Methods UW22 and LW18, all holding time criteria were met.

Initial Calibration and Calibration Check Standard Results—Compliance requirements for satisfactory instrument calibration are established to ensure that the instrument is capable of producing acceptable quantitative data. Calibration of each HPLC used to analyze the samples collected during the RI were established and validated by injecting standards at five concentrations, spanning the expected sample concentration range. The instrument responses were used to establish the calibration curves. The calibration curves were fitted by quadratic equations. These equations were used for thiodiglycol quantitation. In addition to the initial calibration standards, USAEC Methods LW12 and UW32 require the analysis of a calibration check standard. During initial calibration, a calibration check standard was analyzed at the completion of calibration. Calibration check standard results must agree within ±25 percent of the predicted value. Calibration check standard results must agree within ±25 percent of the

predicted values. Based on an evaluation of the initial and calibration standards conducted for thiodiglycol analyses, all criteria were met.

Daily Calibration Results—A check of the calibration curve was conducted before and after environmental samples were analyzed each day. The daily standard is not used for quantitation, it is used to verify that the working curve is still valid. The working curve was used for quantitation of the samples. The daily calibration was evaluated based on the magnitude of the percent recovery between the response of each compound for the initial calibration and the instrument response of that compound in the daily calibration standard. The response factor for all compounds from the daily calibration standard must agree within 25 percent with the corresponding compound from the calibration standard run during initial calibration. Based on an evaluation of the daily calibrations conducted for thiodiglycol analyses, all criteria were met.

Method Blank Results—One method blank analysis was conducted with each lot of soil and water samples collected for thiodiglycol analyses. Each method blank was evaluated for interferents that might potentially interfere with accurate quantitation of a target compound. Based on an evaluation of all method blanks analyzed for thiodiglycol using USAEC Methods LW18 and UW22, no contaminants were detected.

USAEC QC Spike Sample Analysis—One QC spike sample analysis was conducted with each analytical lot of soil and water samples analyzed by ES&E using USAEC Methods LW18 and UW22. The USAEC QC control charts show that all analyses performed by these methods had acceptable accuracy and precision, except for lot PHYB. Lot PHYB was characterized by a one-day X-bar percent recovery (103.8 percent) above the UCL; however, no environmental samples showed detectable thiodiglycol concentrations, and therefore, the impact of this out-of-control situation is negligible.

One individual high spike recovery and two individual spike recoveries for thiodiglycol spiked into QC samples were outside the control limits, but are not deemed to affect the field data, since all calibrations are acceptable. The magnitude of these points was attributed to normal variation in the distribution of recovery values for the method.

Matrix Spike/Matrix Spike Duplicate Results—MS/MSD analyses were conducted to assess the accuracy and precision of the laboratory and to evaluate the matrix effect of the sample upon the analytical methodology based upon the percent recovery of thiodiglycol. Accuracy was expressed as the percent recovery of the spike compounds. Precision was expressed as the RPD of concentration of the spike compound in the MS/MSD samples. The control limits for percent recoveries are 75 to 125 percent. No RPD control limits were recommended for RPD values. Table F-35 summarizes the MS/MSD results for water samples.

All recoveries (two reviewed values) calculated from the thiodiglycol water MS/MSD analyses were within the advisory control limits (i.e., 75 to 125 percent). No soil MS/MSD analyses were included in 30 percent of the validated data.

F.3.2 Inorganic Analyses

Soil, sediments, surface water, groundwater, and equipment rinsate samples collected during the RI were submitted to DCL for metals and BOD analyses. A data quality assessment is presented in the following subsections.

F.3.2.1 Metals Analysis (USAEC Performance Demonstrated Methods)

Seventy-one soil samples, 137 water samples, and 32 equipment rinsates were collected and analyzed by DCL using USAEC and SW846 methods. Data quality was evaluated using the guidelines and control limits specified for holding times, initial and calibration verification, method blanks, MS/MSD results, and USAEC QC samples. The data validation worksheets are presented in Tables F-36 through F-41.

Holding Times—Holding times were defined as the maximum amount of time allowed to elapse between the date and time of sample collection and the date and time the sample was extracted. DCL was required to meet analysis holding times (for soil and water samples) of 28 days for mercury and 180 days for all other metals. Based on an evaluation of all environmental samples and QC blanks analyzed, all holding time criteria were met.

Initial Calibration Verification—Calibration of the ICAP was established and validated by injecting a blank and at least one standard to establish an analytical curve. Calibration of the GFAA was established and validated by injecting a blank and at least five standards to establish the analytical curve. Five standards were analyzed to establish the mercury and cyanide calibration curves. Following the initial calibration, percent recovery values were evaluated to verify the validity of the calibration. Metals calibration criteria requirements included 80 to 120 percent for mercury, and 90 to 110 percent for all other elements, as required by the USAEC methods. Based on an evaluation of the initial calibrations conducted, all percent recovery values were within control limits.

Calibration Verification—Daily and every 10 samples, a calibration check standard was analyzed. Following the standard analysis, percent recovery values were calculated for each element to verify that the initial calibration remained acceptable. Metals CCS criteria requirements included 80 to 120 percent for mercury and 90 to 110 percent for all other elements, as required by the USAEC methods. Based on an evaluation of the continuing calibrations conducted, all percent recovery values were within control limits.

Method and Reagent Blank Results—One method and reagent blank analyses were conducted with each analytical lot of environmental samples analyzed for metals. Each blank analysis result was assessed to determine the existence and magnitude of contamination problems. Blank samples should not contain analytes, and therefore, provide a means for determining false positives. Each method and reagent blank was evaluated for interferents that might potentially interfere with accurate quantitation of a target element. Based on an evaluation of all soil method blanks analyzed by DCL, common elements (i.e., aluminum, boron, calcium, iron, magnesium, potassium, sodium, and zinc) and potential contaminants (i.e., barium and manganese) were noted at levels significantly different from the CRLs. The reagent blank results for soil and water were below the CRLs, except boron in the reagent blank analyzed with lot AKYO on June 3, 1994. All elements detected in the soil method and reagent blanks are presented in Table F-36.

The IRDMIS flag code (i.e., "B") was applied to aluminum, boron, calcium, iron, magnesium, vanadium, and zinc detected in the USAEC QC spike soil samples (i.e., QC-32920-1 and QC-32290-3) and to four boron concentrations detected in field samples from lot ALYO to indicate that the flagged concentrations were less than five times those detected in associated soil method and reagent blanks. The flagged analytical results indicate that these detected elements may not actually be present in the USAEC QC spike and environmental samples. Soil method blanks have detectable concentrations of lead; however, USAEC QC spike samples were not flagged because DCL subtracted the method blank results from the USAEC QC spike sample results.

Matrix Spike/Matrix Spike Duplicate Analyses—MS/MSD analyses were conducted to assess the accuracy of the laboratory and to evaluate the matrix effect of the sample on the analytical methodology based upon the percent recovery of each element. Accuracy was expressed as the percent recovery of the spiked compounds. MS/MSD analyses also were conducted to assess the precision of the data. Precision was expressed as the RPD of the concentrations of the spike compounds in the MS/MSD samples. The control limits for percent recoveries in soil and water samples are 75 to 125 percent. No RPD control limits were recommended for metals in MS/MSD analyses. MS/MSD samples were evaluated to verify that 1 spiked sample analysis was conducted for every 20 environmental samples received by the laboratory, that these analyses were conducted on environmental samples only, and that the recovery results did not indicate systematic laboratory control problems. Tables F-42 and F-43 summarize 30 percent of the matrix spike results for soil and water samples, respectively.

Five soil MS/MSD and one groundwater MS/MSD analyses were subjected to systematic technical review by examining all MS/MSD results and laboratory documentation, following the *EPA National Functional Guideline for Inorganic Data Review*. The recovery of analytes in the natural MS/MSD samples versus the concentration of the spiked compounds in the natural MS/MSD samples were calculated. All MS/MSD recoveries for ICAP metals were within the control limits of 75 to 125 percent.

Antimony in soils was consistently lower than 75 percent (i.e., 16.7 to 64 percent) due to losses incurred by volatilization during acid digestion or possible negative interferences. All MS/MSD recoveries for antimony in soil MS/MSD were within the control limits of 75 to 125 percent.

Two reviewed recoveries for lead in MS/MSD soil analyses were outside the control limits. Lead recoveries were -1013.6 and -1324 percent. The fact that low MS/MSD recoveries were observed supports the idea that the deviations in the recoveries could represent a problem in spiking or it may indicate matrix interferences. The USAEC QC spike samples for lots in this group were within the acceptable criteria. The MS/MSD soil analyses for selenium all had recoveries within the control limits.

USAEC Spike QC Sample Analyses—Three spike QC sample analyses (i.e., low, high, and high) were conducted with each analytical lot of soil and water samples analyzed by DCL using USAEC methods. The USAEC QC control charts show that all analyses performed by ICAP, GFAA, and cold vapor had acceptable accuracy, except for lots AKYO and AKYP. Lot AKYO, analyzed on June 3, 1994 for metals by USAEC Method JS12, had three-day X-bar percent recovery for tin (54.7 percent) below the LCL. This out-of-control situation is expected to have a minimal impact on data usability, since tin was reported LT in the field. For QC spike samples in lot AKYP, analyzed on May 20, 1994, the three-day X-bar control chart was above the UCL for arsenic. The average percent recovery on low spike was 107.8 percent. This out-of-control situation in the X-bar control chart should have a minimal impact on the corresponding data. The field sample data may be quantitated slightly high.

A variety of individual low and high spike recoveries (i.e., USAEC Methods JS12, B9, JD20, and CC8) were slightly outside the control limit. The magnitude of these points was attributed to normal variation in the distribution of recovery values for the method. The impact of these individual points on data quality is believed to be negligible.

F.3.2.2 Five-Day Biochemical Oxygen Demand (EPA Method 405.1)

Eleven groundwater samples were collected during the RI and were analyzed by DCL using EPA Method 405.1. Data quality was evaluated using the guidelines and control limits specified for holding times, glucose-glutamic acid check, and MS/MSD analyses. The data validation worksheets are presented in Table F-44.

Holding Times—Holding times were defined as the maximum amount of time allowed to elapse between the date and time of sample collection and the data and time the sample was analyzed. DCL was required to meet a holding time of 48 hours for water samples. Based on an evaluation of all environmental samples analyzed for BOD, all holding time criteria were met for LF2-W02, OLF-W02, T5-W02, T5-W03, LF1-W01 (SAIC01), and LF1-W01 (SAIC02). Two water samples (i.e., LF2-W02 and OLF-W02) were analyzed 120 hours beyond the applicable analysis time and four water samples (i.e., T5-W02, T5-W03, LF1-W01, and LF1-W01 [SAIC02]) were analyzed 264 hours beyond the applicable analysis holding time. No BOD was detected and as a result, data may be low bias.

Glucose-Glutamic Acid Check—The glucose-glutamic acid check is intended to be a reference point evaluation of dilution water quality, seed effectiveness, and analytical technique. Glucose-glutamic acid check requirements were described in EPA Method 405.1. For the 200 mg/L true check standard, the found check standard was 200 mg/L. The laboratory had established its control limits by performing a minimum of 25 glucose-glutamic acid checks over a period of several weeks and calculating the mean and the standard deviation. The mean ± 3 standard deviations were used as the control limits.

Matrix Spike/Matrix Spike Duplicate Results—MS/MSD analyses were conducted to assess the accuracy and precision of the laboratory and to evaluate the matrix effect of the sample upon the analytical methodology. Accuracy was expressed as the percent recovery of the spike compounds. Precision was expressed as the RPD of the concentrations of the spike compounds in the MS/MSD samples analyzed and the RPD value was calculated. The control limits for percent recovery and RPD in groundwater samples were described in the SAIC QAPP prepared for the RI. MS/MSD samples were evaluated to verify that one MS/MSD sample

analysis was conducted for every 20 environmental samples received by DCL, that these analyses were conducted on environmental samples only, and that the difference did not indicate systematic laboratory problems. MS/MSD sample results are presented in Table F-45.

One MS/MSD analysis was conducted using water samples collected during the RI. Both percent recoveries and difference were within the control limits.

F.3.4 Assessment Summary

The RI field activities at Fort McClellan spanned 18 months and the entire project spanned 2 years. During the project, nearly 330 samples were collected, resulting in an analytical data base of more than 3,200 analyses. The RI field effort provided 100 percent of the planned samples to complete the assessment. From DCL and ES&E, the mass of results for organics and inorganics were usable and fulfilled the needs of the RI. Overall, the quality of the analytical data is acceptable. Any limitations affecting data interpretation and usage are summarized below:

- Low level boron, calcium, and zinc detects in specific samples are highly suspect and should be considered potential false positives due to possible cross contamination.
- Nondetected BOD values in specific samples are considered low bias due to exceeded holding times.

Table: F-1a. Analytical Methods and Total Number of Water and Groundwater Samples Collec
Fort McClellan, Anniston, Alabama

Parameters	Analytical Method	Detection Limit	Water Samples	Field Duplicates	Trip Blanks	Equipment Rinse Blanks	Field Blanks	MS / MSD	Total Al
Volatile Organic Compounds	UM21	a	115	11	84	31	1	13	255
Semivolatile Organic Compounds	UM25	a	114	10	0	31	1	13	169
Total Methods:		a	799	69	0	218	8	84	1178
ICP Metals	SS12								
Arsenic	AX8								
Lead	SD18								
Mercury	CC8								
Selenium	SD25								
Antimony	7041								
Thallium	6010								
Cadium	6010								
Vinyl	8010	a	115	9	49	24	1	11	209
PAH	8310	a	111	8	0	23	1	11	154
PCP	8040	a	110	8	0	23	1	12	154
Hexavalent Chromium	KK8	a	111	9	0	23	0	9	152
P/PCB	UH20	a	113	10	0	29	1	10	163
BOD	4051	a	16	0	0	0			16
Explosives	UW25 UW27	a	170	16	0	60	2	17	265
Agent Break	UW22 UT03 UL04 T8	a	227	34	0	100	4	32	397

a - Certified reporting limits (CRL) are matrix and sample specific. All detection limits are listed on the comprehensive data tables located in Appendix G.

Table: F-1b. Analytical Methods and Total Number of Soil, Surface, and Sediment Samples Collected
Fort McClellan, Anniston, Alabama

Parameters	Analytical Method	Detection Limit	Soil Samples	Field Duplicates	Trip Blanks	Equipment Rinse Blanks	MS / MSD	Total Number of Analyses
Volatile Organic Compounds	LM23	a	63	8	0	0	0	71
Semivolatile Organic Compounds	LM25	a	63	8	0	0	0	71
P/PCB	LH17	a	59	6	0	0	0	65
Total Methods:		a	378	48	0	0	0	426
Zinc	JS12							
Arsenic	B9							
Lead	JD21							
Mercury	Y9							
Selenium	JD20							
Antimony	7041							
Agent-Break	LW18	a	164	18	0	0	0	182
	LL03							
	LT03							
Explosives	LW27	a	134	15	0	0	0	149
	LW23							

a - Certified reporting limits (CRL) are matrix and sample specific. All detection limits are listed on the comprehensive data tables located in Appendix G.

Table F-2. Data Summary Table: Soil
Fort McClellan, Anniston Alabama

Parameter	Average RPD	RPD Limits Lower	RPD Limits Upper	No. results within limits
METALS/SOIL (µg/g)				
Mercury	109.09	-276.61	494.79	2 of 2
Antimony	142.97	-153.37	439.31	3 of 3
Arsenic	64.95	-25.98	155.88	6 of 6
Lead	17.46	-0.36	35.28	6 of 6
Aluminum	12.63	-8.4	33.65	6 of 6
Boron	78.04	-241.82	397.89	3 of 3
Barium	55.04	-105.6	215.68	6 of 6
Beryllium	52.6	-175.77	280.97	6 of 6
Calcium	26.92	-39.6	93.45	6 of 6
Cobalt	70.8	-229.87	371.46	6 of 6
Chromium	40.94	-77.16	159.03	6 of 6
Copper	25.99	-56.09	108.07	6 of 6
Iron	49.14	-106.75	205.04	6 of 6
Potassium	27.11	-10.88	65.1	6 of 6
Magnesium	31.72	-57.82	121.25	6 of 6
Manganese	61.33	-131.85	254.52	6 of 6
Sodium	44.89	-216.32	306.11	5 of 5
Nickel	17.51	-35.23	70.24	6 of 6
Tin	120.62	-216.19	457.42	2 of 2
Vanadium	40.19	-71.78	152.16	6 of 6
Zinc	26.55	-44.8	97.89	6 of 6
SEMIVOLATILES/SOIL/GCMS (µg/g)				
2-Methylnaphthalene	24.75	14.03	35.46	2 of 2
Benzyl Alcohol	200	200	200	2 of 2
Phenanthrene	117.46	-98.88	333.8	3 of 3
PESTICIDES/SOIL/GCEC (µg/g)				
2,2-bis(p-Chlorophenyl)1,1-di	135.97	-135.69	407.63	2 of 2
2,2-bis(p-Chlorophenyl)1,1,1-	200	200	200	2 of 2

Table F-2. Data Summary Table: Soil - Former Landfill #1, Fort McClellan, Anniston Alabama (continued)

Parameter	Average RPD	RPD Limits Lower	RPD Limits Upper	No. results within limits
METALS/SOIL (µg/g)				
Arsenic	80.4	-25.98	155.8	2 of 2
Lead	22.3	-0.36	35.28	2 of 2
Aluminum	7.37	-8.4	33.65	2 of 2
Boron	200*	-241.82	397.89	1 of 1
Barium	98.25	-105.6	215.68	2 of 2
Beryllium	38.75	-175.77	280.97	2 of 2
Calcium	29.45	-39.6	93.45	2 of 2
Cobalt	108.05	-229.87	371.46	2 of 2
Chromium	20.92	-77.16	159.03	2 of 2
Copper	42.71	-56.09	108.07	2 of 2
Iron	62.76	-106.75	205.04	2 of 2
Potassium	35.25	-10.88	65.1	2 of 2
Magnesium	33.95	-57.82	121.25	2 of 2
Manganese	141.69	-131.85	254.52	2 of 2
Sodium	100.66	-216.32	306.11	2 of 2
Nickel	30.05	-35.23	70.24	2 of 2
Vanadium	55.41	-71.78	152.16	2 of 2
Zinc	42.83	-44.8	97.89	2 of 2
SEMIVOLATILES/SOIL/GCMS (µg/g)				
Benzo(a)anthracene	200*	NA	NA	1 of 1
Benzyl Alcohol	200	200	200	2 of 2
Chrysene	200*	NA	NA	1 of 1
Fluoranthene	200*	NA	NA	1 of 1
Phenanthrene	200*	-98.88	333.8	1 of 1
Pyrene	200*	NA	NA	1 of 1
PESTICIDES/SOIL/GCEC (µg/g)				
2,2-bis(p-Chlorophenyl)1,1-di	71.94*	-135.69	407.63	1 of 1
2,2-bis(p-Chlorophenyl)1,1,1-	200*	200	200	1 of 1

*–Individual RPD value.
NA–Not Applicable (Upper and lower limits were not calculated. Compound was detected in only one field duplicate pair.)

Table F-2. Data Summary Table: Soil - Former Landfill #3, Fort McClellan, Anniston Alabama (continued)

Parameter	Individual RPD	RPD Limits Lower	RPD Limits Upper	No. results within limits
METALS/SOIL (µg/g)				
Mercury	18.18	-276.61	494.79	1 of 1
Arsenic	10.19	-25.98	155.88	1 of 1
Lead	13.95	-0.36	25.28	1 of 1
Aluminum	18.03	-8.4	33.65	1 of 1
Boron	2.53	-241.82	397.89	1 of 1
Barium	2.04	-105.6	215.68	1 of 1
Beryllium	14.86	-175.77	280.97	1 of 1
Calcium	3.33	-39.6	93.45	1 of 1
Cobalt	2.38	-229.87	371.46	1 of 1
Chromium	42.86	-77.16	159.03	1 of 1
Copper	7.27	-56.09	108.07	1 of 1
Iron	11.81	-106.75	205.04	1 of 1
Potassium	32.44	-10.88	65.1	1 of 1
Magnesium	19.58	-57.82	121.25	1 of 1
Manganese	5.26	-131.85	254.52	1 of 1
Sodium	19.91	-216.32	306.11	1 of 1
Nickel	6.51	-35.23	70.24	1 of 1
Thallium	18.18	NA	NA	1 of 1
Vanadium	15.51	-71.78	152.16	1 of 1
Zinc	7.29	44.8	97.89	1 of 1
PESTICIDES/SOIL/GCEC (µg/g)				
Endosulfan II	97.01	NA	NA	1 of 1

NA–Not Applicable (Upper and lower limits were not calculated. Compound was detected in only one field duplicate pair.)

Table F-2. Data Summary Soil - Area T-38 Technical Escort Reaction Area, Fort McClellan, Anniston Alabama (continued)

Parameter	Average RPD	RPD Limits Lower	RPD Limits Upper	No. results within limits
METALS/SOIL (µg/g)				
Mercury	200	-276.61	494.79	1 of 1
Antimony	200	-153.37	439.31	1 of 1
Arsenic	86.7	-25.98	155.88	1 of 1
Lead	13.25	-0.36	25.28	1 of 1
Aluminum	23.05	-8.4	33.65	1 of 1
Barium	97.37	-105.6	215.68	1 of 1
Beryllium	200	-175.77	280.97	1 of 1
Calcium	31.42	-39.6	93.45	1 of 1
Cobalt	200	-229.87	371.46	1 of 1
Chromium	115.62	-77.16	159.03	1 of 1
Copper	40.21	-56.09	108.07	1 of 1
Iron	130.43	-106.75	205.04	1 of 1
Potassium	17.25	-10.88	65.1	1 of 1
Magnesium	77.97	-57.82	121.25	1 of 1
Manganese	39.17	-131.85	254.52	1 of 1
Nickel	3.23	-216.32	306.11	1 of 1
Vanadium	100.48	-71.78	152.16	1 of 1
Zinc	23.56	44.8	97.89	1 of 1
PESTICIDES/SOIL/GCEC (µg/g)				
Aldrin	5.2	NA	NA	1 of 1
1,1-Dichloro-2,2-bis(p-chloro	200	NA	NA	1 of 1
2,2-bis(p-Chlorophenyl)1,1-di	200	-135.69	407.63	1 of 1
2,2-bis(p-Chlorophenyl)1,1,1-	200	200	200	1 of 1

NA--Not Applicable (Upper and lower limits were not calculated. Compound was detected in only one field duplicate pair.)

Table F-2. Data Summary Soil - Area T-24A Chemical Munitions Disposal Training Area, Fort McClellan, Anniston Alabama (continued)

Parameter	Average RPD	RPD Limits Lower	RPD Limits Upper	No. results within limits
METALS/SOIL (µg/g)				
Antimony	114.46	-153.37	439.31	2 of 2
Arsenic	66.01	-25.98	155.88	2 of 2
Lead	16.48	-0.36	35.28	2 of 2
Aluminum	9.97	-8.4	33.65	2 of 2
Boron	31.58	-241.82	397.89	1 of 1
Barium	17.18	-105.6	215.68	2 of 2
Beryllium	11.61	-175.77	280.97	2 of 2
Calcium	33.95	-39.6	93.45	2 of 2
Cadmium	48.65*	NA	NA	1 of 1
Cobalt	3.16	-229.87	371.46	2 of 2
Chromium	22.65	-77.16	159.03	2 of 2
Copper	11.53	-56.09	108.07	2 of 2
Iron	13.55	-106.75	205.04	2 of 2
Potassium	21.25	-10.88	65.1	2 of 2
Magnesium	12.43	-57.82	121.25	2 of 2
Manganese	20.1	-131.85	254.52	2 of 2
Sodium	1.63	-216.32	306.11	2 of 2
Nickel	17.6	-35.23	70.24	2 of 2
Tin	120.62	-216.19	457.42	2 of 2
Vanadium	7.17	-71.78	152.16	2 of 2
Zinc	21.39	-44.8	97.89	2 of 2
VOLATILES/SOIL/GCMS (µg/g)				
Benzene	200*	NA	NA	1 of 1
Toluene	200*	NA	NA	1 of 1
SEMIVOLATILES/SOIL/GCMS (µg/g)				
2-Methylnaphthalene	24.75	14.03	35.46	2 of 2
Anthracene	91.97*	NA	NA	1 of 1
Phenanthrene	76.19	-98.88	333.8	2 of 2
EXPLOSIVES/SOIL/HPLC (µg/g)				
Cyclotetramethylenetetranitra	200*	NA	NA	1 of 1
Hexahydro-1,3,5-trinitro-1,3,	200*	NA	NA	1 of 1
NG and PETN/SOIL/HPLC (µg/g)				
Nitroglycerine	75.37*	NA	NA	1 of 1

*–Individual RPD value.
NA–Not Applicable (Upper and lower limits were not calculated. Compound was detected in only one field duplicate pair.)

Table F-2. Data Summary Table: Groundwater
Fort McClellan, Anniston Alabama (continued)

Parameter	Average RPD	RPD Limits Lower	RPD Limits Upper	No. results within limits
METALS/WATER (µg/L)				
Arsenic	18.44	-7.31	44.19	2 of 2
Lead	66.2	-212.98	345.38	4 of 4
Thallium	168.18	-65.66	402.02	6 of 6
Aluminum	17.97	-33.71	69.65	5 of 5
Barium	7.57	-22.34	37.47	9 of 9
Beryllium	81.6	-226.8	390	3 of 3
Calcium	4.88	-18.82	28.59	9 of 9
Iron	15.7	-26.29	57.69	7 of 7
Potassium	15.97	-24.73	56.67	5 of 5
Magnesium	5.06	-19.44	29.57	9 of 9
Manganese	40.93	-172.14	254	7 of 7
Sodium	5.71	-16.07	27.49	9 of 9
Zinc	53.05	-241.03	347.13	4 of 4
PESTICIDES/WATER/GCEC (µg/L)				
alpha-BHC	200	200	200	2 of 2
Isodrin	102.55	-150.7	355.8	3 of 3
4,4'-DDE	14.35	5.7	23	2 of 2

Table F-2 Data Summary Table: Groundwater - Background, Fort McClellan, Anniston Alabama (continued)

Parameter	Average RPD	RPD Limits Lower	RPD Limits Upper	No. results within limits
METALS/WATER (µg/L)				
Lead	3.98*	-212.98	345.38	1 of 1
Thallium	200	-65.66	402.02	2 of 2
Barium	3.4	-22.34	37.47	3 of 3
Beryllium	15.04*	-226.8	390	1 of 1
Calcium	1.03	-18.82	28.59	3 of 3
Iron	11.91	-26.29	57.69	2 of 2
Magnesium	1.02	-19.44	29.57	3 of 3
Manganese	113.99	-172.14	254	2 of 2
Sodium	4.73	-16.07	27.49	3 of 3
Zinc	5.5	-241.03	347.13	2 of 2
PESTICIDES/WATER/GCEC (µg/L)				
Dieldrin	17.56*	NA	NA	1 of 1
4,4'-DDE	16.39*	5.7	23	1 of 1

*–Individual RPD value.
NA–Not Applicable (Upper and lower limits were not calculated. Compound was detected in only one field duplicate pair.)

Table F-2. Data Summary Table: Groundwater - Former Landfill #1, Fort McClellan, Anniston Alabama (continued)

Parameter	RPD	RPD Limits Lower	RPD Limits Upper	No. results within limits
METALS/WATER (µg/L)				
Arsenic	12.37	-7.31	44.19	1 of 1
Lead	1.73	-212.98	345.38	1 of 1
Thallium	200	-65.66	402.02	1 of 1
Aluminum	1.17	-33.71	69.65	1 of 1
Barium	2.93	-22.34	37.47	1 of 1
Calcium	0.33	-18.82	28.59	1 of 1
Iron	3.81	-26.29	57.69	1 of 1
Magnesium	0.54	-19.44	29.57	1 of 1
Manganese	9.71	-172.14	254	1 of 1
Sodium	1.99	-16.07	27.49	1 of 1
Zinc	1.21	-241.03	347.13	1 of 1
VOLATILES/WATER (µg/L)				
Chloroform	200	NA	NA	1 of 1

NA--Not Applicable (Upper and lower limits were not calculated. Compound was detected in only one field duplicate pair.)

Table F-2. Data Summary Table: Groundwater - Former Landfill #2, Fort McClellan, Anniston Alabama (continued)

Parameter	RPD	RPD Limits Lower	RPD Limits Upper	No. results within limits
METALS/WATER (µg/L)				
Arsenic	24.51	-7.31	44.19	1 of 1
Lead	59.08	-212.98	345.38	1 of 1
Thallium	200	-65.66	402.02	1 of 1
Aluminum	29.23	-33.71	69.65	1 of 1
Barium	9.71	-22.34	37.47	1 of 1
Calcium	1.25	-18.82	28.59	1 of 1
Chromium	1.77	NA	NA	1 of 1
Iron	30.18	-26.29	57.69	1 of 1
Potassium	33.83	-24.73	56.67	1 of 1
Magnesium	1.53	-19.44	29.57	1 of 1
Manganese	1.56	-172.14	254	1 of 1
Sodium	0.54	-16.07	27.49	1 of 1
PESTICIDES/WATER/GCEC (µg/L)				
alpha-BHC	200	NA	NA	1 of 1
Aldrin	200	NA	NA	1 of 1

NA--Not Applicable (Upper and lower limits were not calculated. Compound was detected in only one field duplicate pair.)

Table F-2. Data Summary Table: Groundwater - Former Landfill #3, Fort McClellan, Anniston Alabama (continued)

Parameter	Average RPD	RPD Limits Lower	RPD Limits Upper	No. results within limits
METALS/WATER (µg/L)				
Aluminum	28.77	-33.71	69.65	2 of 2
Barium	19.66	-22.34	37.47	2 of 2
Beryllium	29.76*	-226.8	390	1 of 1
Calcium	16.48	-22.34	37.47	2 of 2
Iron	24.81	-26.29	57.69	2 of 2
Potassium	18.3	-24.73	56.67	2 of 2
Magnesium	18.26	-19.44	29.57	2 of 2
Manganese	22.29	-172.14	254	2 of 2
Sodium	14.3	-16.07	27.49	2 of 2
Zinc	200*	-241.03	347.13	1 of 1
VOLATILES/WATER (µg/L)				
Chlorobenzene	7.69*	NA	NA	1 of 1
1,1,2,2-Tetrachloroethane	1.56*	NA	NA	1 of 1
Trichloroethene	4.08*	NA	NA	1 of 1
PESTICIDES/WATER/GCEC (µg/L)				
alpha-BHC	200*	200	200	1 of 1
Endosulfan I	200*	NA	NA	1 of 1
delta-BHC	200*	NA	NA	1 of 1
Heptachlor	200*	NA	NA	1 of 1
Isodrin	53.83	-150.7	355.8	2 of 2
4,4'-DDT	200*	NA	NA	1 of 1

*–Individual RPD value.
NA–Not Applicable (Upper and lower limits were not calculated. Compound was detected in only one field duplicate pair.)

Table F-2. Data Summary Table: Groundwater - Area T-24A Chemical Munitions Disposal Traning Area, Fort McClellan, Anniston Alabama (continued)

Parameter	Individual RPD	RPD Limits Lower	RPD Limits Upper	No. results within limits
METALS/WATER (µg/L)				
Lead	200	-212.98	345.38	1 of 1
Selenium	33.37	NA	NA	1 of 1
Thallium	9.07	-65.66	402.2	1 of 1
Aluminum	1.92	-33.71	69.65	1 of 1
Barium	5.93	-22.34	37.47	1 of 1
Beryllium	200	-226.8	390	1 of 1
Calcium	6.33	-22.34	37.47	1 of 1
Iron	2.47	-26.29	57.69	1 of 1
Potassium	1.46	-24.73	56.67	1 of 1
Magnesium	3.92	-19.44	29.57	1 of 1
Manganese	2.69	-172.14	254	1 of 1
Sodium	5.47	-16.07	27.49	1 of 1
SEMIVOLATILES/WATER (µg/L)				
bis(2-Ethylhexyl)phthalate	200	NA	NA	1 of 1
PESTICIDES/WATER/GCEC (µg/L)				
Isodrin	200	-150.7	355.8	1 of 1
4,4'-DDE	12.31	5.7	23	1 of 1

NA--Not Applicable (Upper and lower limits were not calculated. Compound was detected in only one field duplicate pair.)

Table F-2. Data Summary Table: Soil
Pelham Range, Fort McClellan, Anniston Alabama (continued)

Parameter	Average RPD	RPD Limits Lower	RPD Limits Upper	No. results within limits
METALS/SOIL (µg/g)				
Arsenic	122.72	-205.18	450.61	2 of 2
Lead	17.86	4.16	31.56	2 of 2
Aluminum	8.9	-11.55	29.35	2 of 2
Barium	10.66	-3.68	25	2 of 2
Calcium	100.95	-319.28	521.18	2 of 2
Chromium	88.74	-164.78	342.25	2 of 2
Copper	26.25	-1.74	54.23	2 of 2
Iron	52.02	2.27	101.76	2 of 2
Potassium	26.95	-1.5	55.39	2 of 2
Magnesium	22.8	22.01	23.58	2 of 2
Manganese	85.75	-36.85	208.34	2 of 2
Nickel	113.22	-254.96	481.4	2 of 2
Vanadium	48.05	47.24	48.86	2 of 2
Zinc	14.44	3.51	25.36	2 of 2

Table F-2. Data Summary Table: Soil - Old Water Hole, Pelham Range, Fort McClellan, Anniston Alabama (continued)

Parameter	Individual RPD	RPD Limits Lower	RPD Limits Upper	No. results within limits
METALS/SOIL (µg/g)				
Arsenic	45.43	-205.18	450.61	1 of 1
Lead	21.09	4.16	31.56	1 of 1
Aluminum	4.08	-11.55	29.35	1 of 1
Barium	14.04	-3.68	25	1 of 1
Calcium	200	-319.28	521.18	1 of 1
Chromium	148.49	-164.78	342.25	1 of 1
Copper	32.84	-1.74	54.23	1 of 1
Iron	63.74	2.27	101.76	1 of 1
Potassium	33.65	-1.5	55.39	1 of 1
Magnesium	22.61	22.01	23.58	1 of 1
Manganese	114.64	-36.85	208.34	1 of 1
Nickel	200	-254.96	481.4	1 of 1
Vanadium	47.86	47.24	48.86	1 of 1
Zinc	11.86	3.51	25.36	1 of 1
SEMIVOLATILES/SOIL/GCMS (µg/g)				
Benzyl Alcohol	9.52	NA	NA	1 of 1
Phenol	18.75	NA	NA	1 of 1

*–Individual RPD value.
NA–Not Applicable (Upper and lower limits were not calculated. Compound was detected in only one field duplicate pair.)

Table F-2. RPD Summary Table: Soil - Range L (Lima Pond) Chemical Munitions Disposal Area, Pelham Range, Fort McClellan, Anniston Alabama (continued)

Parameter	Individual RPD	RPD Limits Lower	RPD Limits Upper	No. results within limits
METALS/SOIL (µg/g)				
Arsenic	200	-205.18	450.61	1 of 1
Lead	14.63	4.16	31.56	1 of 1
Selenium	24.54	NA	NA	1 of 1
Aluminum	13.72	-11.55	29.35	1 of 1
Barium	7.28	-3.68	25	1 of 1
Beryllium	12.18	NA	NA	1 of 1
Calcium	1.9	-319.28	521.18	1 of 1
Cobalt	13.3	NA	NA	1 of 1
Chromium	28.98	-164.78	342.25	1 of 1
Copper	19.65	-1.74	54.23	1 of 1
Iron	40.29	2.27	101.76	1 of 1
Potassium	20.24	-1.5	55.39	1 of 1
Magnesium	22.98	22.01	23.58	1 of 1
Manganese	56.85	-36.85	208.34	1 of 1
Nickel	26.44	-254.96	481.4	1 of 1
Vanadium	48.24	47.24	48.86	1 of 1
Zinc	17.01	3.51	25.36	1 of 1
PESTICIDES/SOIL/GCEC (µg/g)				
Endosulfan I	200	NA	NA	1 of 1
Endosulfan II	44.4	NA	NA	1 of 1
Dieldrin	200	NA	NA	1 of 1
2,2-bis(p-Chlorophenyl)1,1,1-	41.1	NA	NA	1 of 1

NA–Not Applicable (Upper and lower limits were not calculated. Compound was detected in only one field duplicate pair.)

Table F-2. Data Summary Table: Groundwater, Pelham Range, Fort McClellan, Anniston Alabama (continued)

Parameter	Average RPD	RPD Limits Lower	RPD Limits Upper	No. results within limits
METALS/WATER (µg/L)				
Barium	1.61	-3.82	7.04	2 of 2
Calcium	2.01	-4.85	8.86	2 of 2
Iron	7.21	-18.42	32.84	2 of 2
Magnesium	2.38	-4.73	9.48	2 of 2
Manganese	1.47	-1.16	4.1	2 of 2
Sodium	2.75	0.77	4.72	2 of 2
Zinc	11.01	-31.87	53.88	2 of 2
PESTICIDES/WATER/GCEC (µg/L)				
Isodrin	200	200	200	2 of 2

Table F-2. Data Summary Table: Groundwater - Background, Pelham Range, Fort McClellan, Anniston Alabama (continued)

Parameter	Average RPD	RPD Limits Lower	RPD Limits Upper	No. results within limits
METALS/WATER (µg/L)				
Lead	200*	NA	NA	1 of 1
Barium	1.61	-3.82	7.04	2 of 2
Calcium	2.01	-4.85	8.86	2 of 2
Copper	43.45	NA	NA	1 of 1
Iron	7.21	-18.42	32.84	2 of 2
Magnesium	2.38	-4.73	9.48	2 of 2
Manganese	1.47	-1.16	4.1	2 of 2
Sodium	2.75	0.77	4.72	2 of 2
Zinc	11.01	-31.87	53.88	2 of 2
VOLATILES/WATER (µg/L)				
1,1,1-Trichloroethane	200*	NA	NA	1 of 1
1,3-Dichlorobenzene	200*	NA	NA	1 of 1
Methylene Chloride	200*	NA	NA	1 of 1
1,1,2,2-Tetrachloroethane	200*	NA	NA	1 of 1
1,2-Dimethylbenzene	200*	NA	NA	1 of 1
SEMIVOLATILES/WATER (µg/L)				
1,3-Dichlorobenzene	200*	NA	NA	1 of 1
PESTICIDES/WATER/GCEC (µg/L)				
Heptachlor	16.68*	NA	NA	1 of 1
Isodrin	200	200	200	2 of 2
4,4'-DDE	200*	NA	NA	1 of 1

*–Individual RPD value.
NA–Not Applicable (Upper and lower limits were not calculated. Compound was detected in only one field duplicate pair.)

Table F-4. Field QC Blank Cross Reference
Ft. McClellan, Anniston, Alabama

Base Code	Site Id	Field Sample No.	Lab Sample No.	Sample Date	VOC-WA	SVOC-WA	Vinyl-WA	PAH-WA	PCP-WA	Hexa-WA	P/PCB-WA	EXP-WA		Agent Break-WA				Metals-WA							
					UM21	UM25	8010	8310	8040	KK8	UH20	UW25	UW27	UW22	UT03	UL04	T8	SS12	AX8	SD18	CC8	SD25	7041	6010	7841
MC	BK-BAIL	SAICRB42	UB04789	7/12/94	X	X	X	X	X	X	X	X	X					X	X	X	X	X	X	X	
MC	BK-BAIL	SAICRB42	MCBW*10	7/12/94										X	X	X	X								
MC	BK-BAIL	SAICRB43	UB05237	7/22/94	X	X	X	X	X	X	X	X	X					X	X	X	X	X	X	X	
MC	BK-BAIL	SAICRB43	MCBW*95	7/22/94										X	X	X	X								
MC	BK-BAIL	SAICTB12	UB04790	7/12/94			X																		
MC	BK-BAIL	SAICTB22	UB05238	7/22/94			X																		
MC	BK-BAIL	SAICTB50	UB04791	7/12/94	X																				
MC	BK-BAIL	SAICTB62	UB05239	7/22/94	X																				
MC	BK-D02	SAICRB36	UB04178	6/20/94	X	X	X	X	X	X	X	X	X					X	X	X	X	X	X	X	
MC	BK-D02	SAICRB36	MCBW*73	6/20/94										X	X	X	X								
MC	BK-D02	SAICTB02	UB04183	6/19/94			X																		
MC	BK-D02	SAICTB38	UB04182	6/19/94	X																				
MC	BK-D02	SAICTB39	UB04180	6/19/94	X																				
MC	BK-G03	SAICTB13	UB04842	7/13/94			X																		
MC	BK-G03	SAICTB51	UB04843	7/13/94	X																				
MC	BK-G03	SAICTB71	UC00353	1/31/95	X		X																		
MC	BK-G04	SAICTB78	UC00445	2/5/95	X		X																		
MC	BK-G06	SAICTB15	UB04887	7/15/94			X																		
MC	BK-G06	SAICTB53	UB04888	7/15/94	X																				
MC	BK-S02	SAICRB01	UB01918	4/12/94	X	X	X	X	X	X	X	X	X					X	X	X	X	X	X		
MC	BK-S02	SAICRB01	MCBW*39	4/12/94										X	X	X	X								
MC	BK-S02	SAICTB02	UB01919	4/12/94	X																				
MC	BK-S04	SAICTB03	UB01920	4/12/94	X																				
MC	BK-W03	SAICTB03	UB04185	6/20/94			X																		
MC	BK-W03	SAICTB40	UB04184	6/20/94	X																				
MC	CW-G01	SAICTB76	UC00425	2/3/95	X		X																		
MC	CW-G02	SAICTB17	UB04952	7/18/94			X																		
MC	CW-G02	SAICTB58	UB04953	7/18/94	X																				
MC	DIA-S03	SAICRB20	MCBW*18	5/16/94										X	X	X	X								
MC	DIA-S06	SAICRB21	MCBW*20	5/17/94										X	X	X	X								
MC	FRL-1	SAIC01	UB01868	4/8/94	X	X	X	X	X	X	X	X	X					X	X	X	X	X	X	X	
MC	FRL-1	SAIC01	MCBW*40	4/8/94										X	X	X	X								
MC	FRL-1	SAIC02	UB02910	5/11/94	X	X	X	X	X		X	X	X					X	X	X	X	X	X	X	
MC	FRL-1	SAIC02	MCBW*17	5/11/94										X	X	X	X								
MC	FRL-1	SAICTB01	UB01869	4/8/94	X																				
MC	FRL-1	SAICTB18	UB02911	5/11/94	X																				
MC	LF1-D01	SAICRB30	UB03752	6/9/94	X	X	X	X	X	X	X	X						X	X	X	X	X	X	X	
MC	LF1-D01	SAICTB27	UB03753	6/9/94	X																				
MC	LF1-G01	SAICTB73	UC00369	2/1/95	X		X																		
MC	LF1-G02	SAICTB72	UC00359	1/31/95	X		X																		
MC	LF1-G03	SAICTB11	UB04540	7/5/94			X																		
MC	LF1-G03	SAICTB49	UB04541	7/5/94	X																				
MC	LF1-S01	SAICRB12	UB02435	4/27/94	X	X					X	X	X					X	X	X	X	X	X	X	X
MC	LF1-S01	SAICTB15	UB02436	4/27/94	X																				
MC	LF1-S02	SAICRB13	UB02623	4/29/94	X	X					X	X	X					X	X	X	X	X	X	X	X
MC	LF1-S02	SAICTB16	UB02624	4/29/94	X																				
MC	LF1-S03	SAICRB01	UB02188	4/19/94	X	X					X	X	X					X	X	X	X	X	X	X	X
MC	LF1-S03	SAICTB12	UB02189	4/19/94	X																				
MC	LF1-S03	SAICTB13	UB02190	4/19/94	X																				
MC	LF1-S04	SAICRB11	UB02415	4/26/94	X	X					X	X	X					X	X	X	X	X	X	X	X
MC	LF1-S04	SAICTB14	UB02416	4/26/94	X																				
MC	LF1-W01	SAICTB26	UB03689	6/6/94	X																				
MC	LF2-G01	SAICRB44	UC00335	1/27/95	X	X	X	X	X	X	X	X						X	X	X	X	X	X	X	
MC	LF2-G01	SAICRB44	MCBW*100	1/27/95										X	X	X	X								
MC	LF2-G01	SAICTB09	UB04504	7/4/94			X																		
MC	LF2-G01	SAICTB47	UB04505	7/4/94	X																				
MC	LF2-G01	SAICTB67	UC00337	1/27/95	X		X																		

Table F-4. Field QC Blank Cross Reference
Ft. McClellan / Pelham Range, Anniston, Alabama (Continued)

Base Code	Site Id	Field Sample No.	Lab Sample No.	Sample Date	VOC-WA	SVOC-WA	Vinyl-WA	PAH-WA	PCP-WA	Hexa-WA	P/PCB-WA	EXP-WA		Agent Break-WA				Metals-WA							
					UM21	UM25	8010	8310	8040	KK8	UH20	UW25	UW27	UW22	UT03	UL04	T8	SS12	AX8	SD18	CC8	SD25	7041	6010	7841
MC	LF2-G01	SAICTB71	UC00358	1/31/95	X		X																		
MC	LF2-G02	SAICRB45	UC00336	1/27/95	X	X	X	X	X	X	X	X						X	X	X	X	X	X	X	
MC	LF2-G02	SAICRB45	MCBW*99	1/27/95										X	X	X	X								
MC	LF2-W02	SAICTB30	UB03942	6/14/94	X																				
MC	OLF-G02	SAICTB77	UC00444	2/5/95	X		X																		
MC	OLF-G05	SAICTB19	UB05031	7/18/94			X																		
MC	OLF-G05	SAICTB58	UB05032	7/18/94	X																				
MC	OLF-G06	SAICTB16	UB04956	7/17/94			X																		
MC	OLF-G06	SAICTB55	UB04957	7/17/94	X																				
MC	OLF-G09	SAICTB75	UC00391	2/1/95	X		X																		
MC	OLF-G13	SAICTB79	UC00443	2/6/95	X		X																		
MC	OLF-G17	SAICTB23	UB05355	7/25/94			X																		
MC	OLF-G17	SAICTB64	UB05356	7/25/94	X																				
MC	OLF-G17	SAICTB80	UC00447	2/6/95	X		X																		
MC	OLF-G18	SAICTB92	UC00952	4/27/95	X		X																		
MC	OLF-G19	SAICTB96	UC01047	4/30/95	X		X																		
MC	OLF-S11	SAICRB01	UB02098	4/17/94	X	X					X	X	X					X	X	X	X	X	X		
MC	OLF-S11	SAICTB10	UB02099	4/17/94	X																				
MC	OLF-S13	SAICRB01	UB02095	4/16/94	X	X					X	X	X					X	X	X	X	X	X		
MC	OLF-S13	SAICTB08	UB02096	4/16/94	X																				
MC	OLF-S13	SAICTB09	UB02097	4/16/94	X																				
MC	OLF-S16	SAICRB01	UB02100	4/18/94	X	X					X	X	X					X	X	X	X	X	X		
MC	OLF-S16	SAICTB11	UB02101	4/18/94	X																				
MC	OLF-S17	SAICRB41	UB04539	7/5/94	X	X	X	X	X	X	X	X	X					X	X	X	X	X	X	X	
MC	OLF-S17	SAICTB10	UB04542	7/6/94			X																		
MC	OLF-S17	SAICTB48	UB04543	7/6/94	X																				
MC	OLF-S20	SAICRB01	UB01942	4/14/94	X	X					X	X	X					X	X	X	X	X	X	X	X
MC	OLF-S20	SAICTB05	UB01943	4/14/94	X																				
MC	OLF-S20	SAICTB06	UB01944	4/14/94	X																				
MC	OLF-S20	SAICTB07	UB01945	4/14/94	X																				
MC	OLF-W03	SAICTB18	UB04954	7/18/94			X																		
MC	OLF-W03	SAICTB57	UB04955	7/18/94	X																				
MC	T24A-G01	SAICTB66	UB06051	10/23/94	X		X																		
MC	T24A-G01	SAICTB74	UC00390	2/1/95	X		X																		
MC	T24A-G02	SAICTB87	UC00900	4/24/95	X		X																		
MC	T24A-S02	SAICTB24	UB05757	9/13/94			X																		
MC	T24A-S02	SAICTB65	UB05758	9/13/94	X																				
MC	T24A-S03	SAICRB23	UB03203	5/24/94	X	X	X	X	X	X		X	X					X	X	X	X	X	X	X	
MC	T24A-S03	SAICRB23	MCBW*23	5/24/94										X	X		X								
MC	T24A-S03	SAICTB20	UB03204	5/24/94	X																				
MC	T24A-S05	SAICRB24	UB03311	5/27/94	X	X	X	X	X	X		X	X					X	X	X	X	X	X	X	
MC	T24A-S05	SAICRB24	MCBW*24	5/27/94										X	X		X								
MC	T24A-S05	SAICTB21	UB03312	5/27/94	X																				
MC	T24A-W02	SAICTB08	UB04324	6/23/94			X																		
MC	T24A-W02	SAICTB43	UB04325	6/23/94	X																				
MC	T38-G05	SAICTB20	UB05033	7/19/94			X																		
MC	T38-G05	SAICTB59	UB05034	7/19/94	X																				
MC	T38-G07	SAICTB21	UB05047	7/19/94			X																		
MC	T38-G07	SAICTB60	UB05048	7/19/94	X																				
MC	T38-G09	SAICTB91	UC00953	4/27/95	X		X																		
MC	T38-S06	SAICRB25	MCBW*25	6/1/94										X											
MC	T38-S09	SAICRB26	UB03583	6/2/94	X	X	X	X	X	X	X	X	X					X	X	X	X	X	X	X	
MC	T38-S09	SAICRB26	MCBW*26	6/2/94										X	X	X	X								
MC	T38-S09	SAICRB27	UB03585	6/3/94	X	X	X	X	X	X	X	X	X					X	X	X	X	X	X	X	
MC	T38-S09	SAICRB27	MCBW*27	6/3/94										X	X	X	X								
MC	T38-S09	SAICTB22	UB03584	6/2/94	X																				
MC	T38-S09	SAICTB23	UB03586	6/3/94	X																				

Table F-4. Field QC Blank Cross Reference
Ft. McClellan / Pelham Range, Anniston, Alabama (Continued)

Base Code	Site Id	Field Sample No.	Lab Sample No.	Sample Date	VOC-WA	SVOC-WA	Vinyl-WA	PAH-WA	PCP-WA	Hexa-WA	P/PCB-WA	EXP-WA		Agent Break-WA				Metals-WA							
					UM21	UM25	8010	8310	8040	KK8	UH20	UW25	UW27	UW22	UT03	UL04	T8	SS12	AX8	SD18	CC8	SD26	7041	6010	7841
MC	T38-S10	SAICRB16	UB02877	5/10/94	X	X	X	X	X	X	X	X	X					X	X	X	X	X	X	X	
MC	T38-S10	SAICRB18	MCBW*41	5/10/94										X	X	X	X								
MC	T38-S10	SAICTB17	UB02878	5/10/94	X																				
MC	T4-S04	SAICRB19	MCBW*16	5/11/94										X	X	X									
MC	T5-D02	SAICRB28	UB03617	6/6/94	X	X	X	X	X	X	X	X						X	X	X	X	X	X	X	
MC	T5-D02	SAICRB28	MCBW*33	6/6/94										X	X	X	X								
MC	T5-D02	SAICRB41	UB04482	7/1/94								X	X												
MC	T5-D02	SAICTB24	UB03616	6/6/94	X																				
MC	T5-S05	SAICRB14	MCBW*42	5/10/94										X	X	X	X								
MC	T5-W02	SAICTB25	UB03688	6/8/94	X																				
PR	BK-G01	SAICTB14	UB04881	7/14/94			X																		
PR	BK-G01	SAICTB52	UB04882	7/14/94	X																				
PR	BK-G01	SAICTB82	UC00473	2/7/95	X		X																		
PR	FPR001	TB-01	UB00186	1/12/94	X																				
PR	OWH-G02	SAICTB84	UC00485	2/8/95	X		X																		
PR	OWH-G03	SAICTB94	UC01009	4/26/95	X		X																		
PR	OWH-G04	SAICTB93	UC01005	4/26/95	X		X																		
PR	OWH-S03	SAICRB37	UB04219	6/21/94	X	X	X	X	X	X	X	X	X					X	X	X	X	X	X	X	
PR	OWH-S03	SAICRB37	MCBW*53	6/21/94										X	X	X	X								
PR	OWH-S03	SAICRB38	UB04277	6/22/94	X	X	X	X	X	X	X	X	X					X	X	X	X	X	X	X	
PR	OWH-S03	SAICTB04	UB04221	6/21/94			X																		
PR	OWH-S03	SAICTB05	UB04278	6/22/94			X																		
PR	OWH-S03	SAICTB41	UB04220	6/21/94	X																				
PR	OWH-S03	SAICTB42	UB04279	6/22/94	X																				
PR	OWH-S10	SAICRB38	MCBW*57	6/28/94										X	X	X	X								
PR	OWH-S10	SAICRB39	UB04449	6/28/94	X	X	X	X	X	X	X	X	X					X	X	X	X	X	X	X	
PR	OWH-S10	SAICTB07	UB04450	6/28/94			X																		
PR	OWH-S10	SAICTB44	UB04451	6/28/94	X																				
PR	RJ-G06	SAICTB83	UC00474	2/7/95	X		X																		
PR	RJ-G06	SAICTB90	UC00956	4/26/95	X		X																		
PR	RJ-G07	SAICTB97	UC01049	5/1/95	?		?																		
PR	RJ-S05	SAICRB22	MCBW*21	5/18/94										X	X	X									
PR	RK-S01	SAICRB29	UB03623	6/7/94								X													
PR	RK-S01	SAICRB29	MCBW*37	6/7/94										X	X	X									
PR	RL-D01	SAICRB32	UB04029	6/15/94	X	X	X	X	X	X	X	X	X					X	X	X	X	X	X	X	
PR	RL-D01	SAICRB32	MCBW*34	6/15/94										X	X	X	X								
PR	RL-D01	SAICTB31	UB04030	6/15/94	X																				
PR	RL-G02	SAICTB81	UC00472	2/6/95	X		X																		
PR	RL-G04	SAICTB89	UC00961	4/26/95	X		X																		
PR	RL-S01	SAICRB31	UB03832	6/10/94	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	X	X	X	
PR	RL-S01	SAICTB29	UB03833	6/10/94	X																				
PR	RL-S02	SAICTB35	UB04068	6/16/94	X																				
PR	RL-S03	SAICRB33	UB04031	6/15/94	X	X	X	X	X	X	X	X	X					X	X	X	X	X	X	X	
PR	RL-S03	SAICRB33	MCBW*32	6/15/94										X	X	X	X								
PR	RL-S03	SAICRB34	UB04065	6/16/94	X	X	X	X	X	X	X	X	X					X	X	X	X	X	X	X	
PR	RL-S03	SAICRB34	MCBW*70	6/16/94										X	X	X	X								
PR	RL-S03	SAICTB32	UB04032	6/15/94	X																				
PR	RL-S03	SAICTB33	UB04066	6/16/94	X																				
PR	RL-S03	SAICTB34	UB04067	6/16/94	X																				
PR	RL-S04	SAICRB40	UB04477	6/30/94	X	X	X	X	X	X	X	X	X					X	X	X	X	X	X	X	
PR	RL-S04	SAICRB40	MCBW*58	6/30/94										X	X	X	X								
PR	RL-S04	SAICTB08	UB04478	6/30/94			X																		
PR	RL-S04	SAICTB45	UB04479	6/30/94	X																				
PR	RL-W02	SAICTB68	UB06409	12/6/94	X		X																		

Table F-4. Laboratory and Field Completeness for Soil Samples
McClellan, Anniston, Alabama

Site Type	Scheduled Samples*	Analyses													
		VOC	SVOC	Pest/PCB	Explosives		Metals						Chemical Agent Breakdown Products		
		LM23	LM25	LH17	LW23	LW27	JS12	B9	JD21	Y9	JD20	7041	LW18	LT03	LL03
Former Landfill #1															
Soil Boring	9	9	9	9	9	9	9	9	9	9	9	9			
Surface Soil	3	3	3	3	3	3	3	3	3	3	3	3			
Former Landfill #2															
Surface Soil	2	2	2	2	2	2	2	2	2	2	2	2			
Former Landfill #3															
Soil Boring	13	13	13	13	13	13	13	13	13	13	13	13			
Surface Sol	2	2	2	2	2	2	2	2	2	2	2	2			
Area T-24A															
Soil Boring	5	5	5		5	5	5	5	5	5	5	5	5	5	5
Surface Soil	1	1	1		1	1	1	1	1	1	1	1	1	1	1
Area T-38															
Soil Boring	5	5	5	5	5	2	5	5	5	5	5	5	5	5	5
Area T-4															
Soil Boring	6												4	4	3
Area T-5															
Soil Boring	4												4	4	4
Surface Soil	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
Detection and Identification Area															
Test Pit	5												5	5	5
Range J															
Soil Boring	4												4	4	4
Range L															
Soil Boring	11	9	9	11	9	9	9	9	9	9	9	9	9	9	9
Surface Soil	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
Old Water Hole															
Soil Boring	9	8	8	8	8	8	8	8	8	8	8	8	8	8	8
Range K															
Soil Boring	8				8	4							4	3	4

*Including MS/MSD and field duplicate samples.

Table F-4. Laboratory and Field Completeness for Water Samples
Fort McClellan, Anniston, Alabama (continued)

Site Type	Scheduled Samples*	Analyses																				
		VOC	SVOC	C2H3CL	PAH	PCP	CL6BZ/CL6CP	Pest/PCB	Explosives		Metals								Chemical Agent Breakdown Products				BOD
		UM21	UM25	SW8010	SW8310	SW8040	KK8	UH20	UW25	UW27	SS12	AX8	SD18	CC8	SD25	7041	6010	7841	UW22	UT03	UL04	T8	EPA405.1
Former Landfill #1																							
Groundwater	8	8	9	8	9	8	8	8	8	4	8	8	8	8	8	8	8						
Surface Water	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3						3
Former Landfill #2																							
Groundwater	7	7	7	7	7	7	7	7	7	4	7	7	7	7	7	7	7						
Surface Water	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2						2
Former Landfill #3																							
Groundwater	36	35	35	30	34	35	34	34	35	19	35	35	35	35	35	35	35	4					
Surface Water	4	4	4	4	4	4	4	4	4	4					4	4	4	4	4	4	4		4
Area T-24A																							
Groundwater	9	8	9	8	9	9	9	9	9	5	9	9	9	9	9	9	9	1	8	8	8		
Surface Water	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		1
Area T-38																							
Groundwater	9	9	9	8	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	1	
Area T-5																							
Surface Water	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2		2
City of Weaver																							
Groundwater	5	5	5	5	5	5	5	5	5	3	5	5	5	5	5	5	5						
Range J																							
Groundwater	8	7		7															6	6	6		
Range L																							
Groundwater	13	11	11	11	11	11	12	11	11	8	11	11	11	11	11	11	11	8	12	12	12	12	
Surface Water	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4		4	4	4	4	4
Old Water Hole																							
Groundwater	9	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	7	9	9	9	9	

*including MS/MSD and field duplicate samples.
C2H3CL=Vinyl Chloride
CL6BZ=Hexachlorobenzene
CL6CP=Hexachlorocyclopendadiene
PAH=Polynuclear Aromatic Hydrocarbons

Table F-5. Data Summary Table: Groundwater - Trip Blanks, Fort McClellan, Anniston Alabama

Site ID				BK-BAIL		BK-BAIL		BK-BAIL		BK-BAIL		BK-D02
Field Sample Number				SAICTB12		SAICTB22		SAICTB50		SAICTB62		SAICTB02
Site Type				TRIP		TRIP		TRIP		TRIP		TRIP
Collection Date				7/12/94		7/22/94		7/12/94		7/22/94		6/19/94
Depth (ft)				0		0		0		0		0
Associated Field QC Sample - Site ID												
Associated Field QC Sample - Field Sample No.												
Associated Field QC Sample - Site ID												
Associated Field QC Sample - Field Sample No.												
VOLATILES/WATER (µg/L)												
Laboratory ID Number				N/A		N/A		UB04791		UB05239		N/A
Parameter	Units	CRL										
1,1,1-Trichloroethane	µg/L	1		N/A		N/A	LT	1**	LT	1**		N/A
1,1,2-Trichloroethane	µg/L	1		N/A		N/A	LT	1**	LT	1**		N/A
1,1-Dichloroethene	µg/L	1		N/A		N/A	LT	1**	LT	1**		N/A
1,1-Dichloroethane	µg/L	1		N/A		N/A	LT	1**	LT	1**		N/A
1,2-Dichloroethene	µg/L	5		N/A		N/A	LT	5**	LT	5**		N/A
1,2-Dichloroethane	µg/L	1		N/A		N/A	LT	1**	LT	1**		N/A
1,2-Dichloropropane	µg/L	1		N/A		N/A	LT	1**	LT	1**		N/A
1,3-Dichlorobenzene	µg/L	1		N/A		N/A	LT	1**	LT	1**		N/A
1,3-Dichloropropane	µg/L	4.8		N/A		N/A	LT	4.8**	LT	4.8**		N/A
1,3-Dimethylbenzene	µg/L	1		N/A		N/A	LT	1**	LT	1**		N/A
2-Chloroethylvinyl Ether	µg/L	3.5		N/A		N/A	LT	3.5**	LT	3.5**		N/A
Acetone	µg/L	8		N/A		N/A	LT	8**	LT	8**		N/A
Acrylonitrile	µg/L	8.4		N/A		N/A	LT	8.4**	LT	8.4**		N/A
Bromodichloromethane	µg/L	1		N/A		N/A	LT	1**	LT	1**		N/A
Chloroethane	µg/L	8		N/A		N/A	LT	8**	LT	8**		N/A
Benzene	µg/L	1		N/A		N/A	LT	1**	LT	1**		N/A
Trichlorofluoromethane	µg/L	1		N/A		N/A	LT	1**	LT	1**		N/A
Carbon Tetrachloride	µg/L	1		N/A		N/A	LT	1**	LT	1**		N/A
Methylene Chloride	µg/L	1		N/A		N/A	LT	1**		11**		N/A
Bromomethane	µg/L	14		N/A		N/A	LT	14**	LT	14**		N/A
Chloromethane	µg/L	1.2		N/A		N/A	LT	1.2**	LT	1.2**		N/A
Bromoform	µg/L	11		N/A		N/A	LT	11**	LT	11**		N/A
Chloroform	µg/L	1		N/A		N/A	LT	1**	LT	1**		N/A
Chlorobenzene	µg/L	1		N/A		N/A	LT	1**	LT	1**		N/A
Dibromochloromethane	µg/L	1		N/A		N/A	LT	1**	LT	1**		N/A
Ethylbenzene	µg/L	1		N/A		N/A	LT	1**	LT	1**		N/A
Toluene	µg/L	1		N/A		N/A	LT	1**	LT	1**		N/A
Methylethylketone	µg/L	10		N/A		N/A	LT	10**	LT	10**		N/A
Methylisobutylketone	µg/L	1.4		N/A		N/A	LT	1.4**	LT	1.4**		N/A
1,1,2,2-Tetrachloroethane	µg/L	1.5		N/A		N/A	LT	1.5**	LT	1.5**		N/A
Tetrachloroethene	µg/L	1		N/A		N/A	LT	1**	LT	1**		N/A
Trichloroethene	µg/L	1		N/A		N/A	LT	1**	LT	1**		N/A
1,2-Dimethylbenzene	µg/L	2		N/A		N/A	LT	2**	LT	2**		N/A
Vinyl Chloride	µg/L	1	LT	1**	LT	1**		N/A		N/A	LT	1**
TICs	µg/L			N/A		N/A		0 (0.0)		0 (0.0)		N/A

Table F-5. Data Summary Table: Groundwater - Trip Blanks, Fort McClellan, Anniston Alabama (Continued)

Site ID			BK-D02	BK-D02	BK-D03	BK-G03	BK-G03
Field Sample Number			SAICTB38	SAICTB39	SAICTB01	SAICTB13	SAICTB51
Site Type			TRIP	TRIP	TRIP	TRIP	TRIP
Collection Date			6/19/94	6/19/94	6/19/94	7/13/94	7/13/94
Depth (ft)			0	0	0	0	0
Associated Field QC Sample - Site ID							
Associated Field QC Sample - Field Sample No.							
Associated Field QC Sample - Site ID							
Associated Field QC Sample - Field Sample No.							
VOLATILES/WATER (µg/L)							
Laboratory ID Number			UB04162	UB04160	N/A	N/A	UB04843
Parameter	Units	CRL					
1,1,1-Trichloroethane	µg/L	1	LT 1**	LT 1**	N/A	N/A	LT 1**
1,1,2-Trichloroethane	µg/L	1	LT 1**	LT 1**	N/A	N/A	LT 1**
1,1-Dichloroethene	µg/L	1	LT 1**	LT 1**	N/A	N/A	LT 1**
1,1-Dichloroethane	µg/L	1	LT 1**	LT 1**	N/A	N/A	LT 1**
1,2-Dichloroethene	µg/L	5	LT 5**	LT 5**	N/A	N/A	LT 5**
1,2-Dichloroethane	µg/L	1	LT 1**	LT 1**	N/A	N/A	LT 1**
1,2-Dichloropropane	µg/L	1	LT 1**	LT 1**	N/A	N/A	LT 1**
1,3-Dichlorobenzene	µg/L	1	LT 1**	LT 1**	N/A	N/A	LT 1**
1,3-Dichloropropane	µg/L	4.8	LT 4.8**	LT 4.8**	N/A	N/A	LT 4.8**
1,3-Dimethylbenzene	µg/L	1	LT 1**	LT 1**	N/A	N/A	LT 1**
2-Chloroethylvinyl Ether	µg/L	3.5	LT 3.5**	LT 3.5**	N/A	N/A	LT 3.5**
Acetone	µg/L	8	LT 8**	LT 8**	N/A	N/A	LT 8**
Acrylonitrile	µg/L	8.4	LT 8.4**	LT 8.4**	N/A	N/A	LT 8.4**
Bromodichloromethane	µg/L	1	LT 1**	LT 1**	N/A	N/A	LT 1**
Chloroethane	µg/L	8	LT 8**	LT 8**	N/A	N/A	LT 8**
Benzene	µg/L	1	LT 1**	LT 1**	N/A	N/A	LT 1**
Trichlorofluoromethane	µg/L	1	LT 1**	LT 1**	N/A	N/A	LT 1**
Carbon Tetrachloride	µg/L	1	LT 1**	LT 1**	N/A	N/A	LT 1**
Methylene Chloride	µg/L	1	LT 1**	LT 1**	N/A	N/A	LT 1**
Bromomethane	µg/L	14	LT 14**	LT 14**	N/A	N/A	LT 14**
Chloromethane	µg/L	1.2	LT 1.2**	LT 1.2**	N/A	N/A	LT 1.2**
Bromoform	µg/L	11	LT 11**	LT 11**	N/A	N/A	LT 11**
Chloroform	µg/L	1	LT 1**	LT 1**	N/A	N/A	LT 1**
Chlorobenzene	µg/L	1	LT 1**	LT 1**	N/A	N/A	LT 1**
Dibromochloromethane	µg/L	1	LT 1**	LT 1**	N/A	N/A	LT 1**
Ethylbenzene	µg/L	1	LT 1**	LT 1**	N/A	N/A	LT 1**
Toluene	µg/L	1	LT 1**	LT 1**	N/A	N/A	LT 1**
Methylethylketone	µg/L	10	LT 10**	LT 10**	N/A	N/A	LT 10**
Methylisobutylketone	µg/L	1.4	LT 1.4**	LT 1.4**	N/A	N/A	LT 1.4**
1,1,2,2-Tetrachloroethane	µg/L	1.5	LT 1.5**	LT 1.5**	N/A	N/A	LT 1.5**
Tetrachloroethene	µg/L	1	LT 1**	LT 1**	N/A	N/A	LT 1**
Trichloroethene	µg/L	1	LT 1**	LT 1**	N/A	N/A	LT 1**
1,2-Dimethylbenzene	µg/L	2	LT 2**	LT 2**	N/A	N/A	LT 2**
Vinyl Chloride	µg/L	1	N/A	N/A		LT 1**	N/A
TICs	µg/L		0 (0.0)	0 (0.0)	N/A	N/A	0 (0.0)

Table F-5. Data Summary Table: Groundwater - Trip Blanks, Fort McClellan, Anniston Alabama (Continued)

Site ID			BK-G03		BK-G04		BK-G06		BK-G08		BK-S02
Field Sample Number			SAICTB71		SAICTB78		SAICTB15		SAICTB53		SAICTB02
Site Type			TRIP		TRIP		TRIP		TRIP		TRIP
Collection Date			1/30/95		2/5/95		7/15/94		7/15/94		4/12/94
Depth (ft)			0		0		0		0		0
Associated Field QC Sample - Site ID											N/A
Associated Field QC Sample - Field Sample No.											N/A
Associated Field QC Sample - Site ID											N/A
Associated Field QC Sample - Field Sample No.											N/A
VOLATILES/WATER (µg/L)											
Laboratory ID Number			UC00353		UC00445		N/A		UB04888		UB01919
Parameter	Units	CRL									
1,1,1-Trichloroethane	µg/L	1	LT 1**	LT	1**		N/A	LT	1**	LT	1**
1,1,2-Trichloroethane	µg/L	1	LT 1**	LT	1**		N/A	LT	1**	LT	1**
1,1-Dichloroethene	µg/L	1	LT 1**	LT	1**		N/A	LT	1**	LT	1**
1,1-Dichloroethane	µg/L	1	LT 1**	LT	1**		N/A	LT	1**	LT	1**
1,2-Dichloroethene	µg/L	5	LT 5**	LT	5**		N/A	LT	5**	LT	5**
1,2-Dichloroethane	µg/L	1	LT 1**	LT	1**		N/A	LT	1**	LT	1**
1,2-Dichloropropane	µg/L	1	LT 1**	LT	1**		N/A	LT	1**	LT	1**
1,3-Dichlorobenzene	µg/L	1	LT 1**	LT	1**		N/A	LT	1**	LT	1**
1,3-Dichloropropane	µg/L	4.8	LT 4.8**	LT	4.8**		N/A	LT	4.8**	LT	4.8**
1,3-Dimethylbenzene	µg/L	1	LT 1**	LT	1**		N/A	LT	1**	LT	1**
2-Chloroethylvinyl Ether	µg/L	3.5	LT 3.5**	LT	3.5**		N/A	LT	3.5**	LT	3.5**
Acetone	µg/L	8	30**		21**		N/A	LT	8**	LT	8**
Acrylonitrile	µg/L	8.4	LT 8.4**	LT	8.4**		N/A	LT	8.4**	LT	8.4**
Bromodichloromethane	µg/L	1	LT 1**	LT	1**		N/A	LT	1**	LT	1**
Chloroethane	µg/L	8	LT 8**	LT	8**		N/A	LT	8**	LT	8**
Benzene	µg/L	1	LT 1**	LT	1**		N/A	LT	1**	LT	1**
Trichlorofluoromethane	µg/L	1	LT 1**	LT	1**		N/A	LT	1**	LT	1**
Carbon Tetrachloride	µg/L	1	LT 1**	LT	1**		N/A	LT	1**	LT	1**
Methylene Chloride	µg/L	1	4.1**		3.9**		N/A		10**		10**
Bromomethane	µg/L	14	LT 14**	LT	14**		N/A	LT	14**	LT	14**
Chloromethane	µg/L	1.2	LT 1.2**	LT	1.2**		N/A	LT	1.2**	LT	1.2**
Bromoform	µg/L	11	LT 11**	LT	11**		N/A	LT	11**	LT	11**
Chloroform	µg/L	1	LT 1**	LT	1**		N/A	LT	1**	LT	1**
Chlorobenzene	µg/L	1	LT 1**	LT	1**		N/A	LT	1**	LT	1**
Dibromochloromethane	µg/L	1	LT 1**	LT	1**		N/A	LT	1**	LT	1**
Ethylbenzene	µg/L	1	LT 1**	LT	1**		N/A	LT	1**	LT	1**
Toluene	µg/L	1	LT 1**	LT	1**		N/A	LT	1**	LT	1**
Methylethylketone	µg/L	10	LT 10**	LT	10**		N/A	LT	10**	LT	10**
Methylisobutylketone	µg/L	1.4	LT 1.4**	LT	1.4**		N/A	LT	1.4**	LT	1.4**
1,1,2,2-Tetrachloroethane	µg/L	1.5	LT 1.5**	LT	1.5**		N/A	LT	1.5**	LT	1.5**
Tetrachloroethene	µg/L	1	LT 1**	LT	1**		N/A	LT	1**	LT	1**
Trichloroethene	µg/L	1	LT 1**	LT	1**		N/A	LT	1**	LT	1**
1,2-Dimethylbenzene	µg/L	2	LT 2**	LT	2**		N/A	LT	2**	LT	2**
Vinyl Chloride	µg/L	1	LT 1**	LT	1**	LT	1**		N/A		N/A
TICs	µg/L		0 (0.0)		0 (0.0)		N/A		0 (0.0)		0 (0.0)

Table F-5. Data Summary Table: Groundwater - Trip Blanks, Fort McClellan, Anniston Alabama (Continued)

Site ID				BK-S04		BK-W03		BK-W03		CW-G01		CW-G02
Field Sample Number				SAICTB03		SAICTB03		SAICTB40		SAICTB76		SAICTB17
Site Type				TRIP		TRIP		TRIP		TRIP		TRIP
Collection Date				4/12/94		6/20/94		6/20/94		2/3/95		7/18/94
Depth (ft)				0		0		0		0		0
Associated Field QC Sample - Site ID				N/A								
Associated Field QC Sample - Field Sample No.				N/A								
Associated Field QC Sample - Site ID				N/A								
Associated Field QC Sample - Field Sample No.				N/A								
VOLATILES/WATER (µg/L)												
Laboratory ID Number				UB01920		N/A		UB04184		UC00425		N/A
Parameter	Units	CRL										
1,1,1-Trichloroethane	µg/L	1	LT	1**		N/A	LT	1**	LT	1**		N/A
1,1,2-Trichloroethane	µg/L	1	LT	1**		N/A	LT	1**	LT	1**		N/A
1,1-Dichloroethene	µg/L	1	LT	1**		N/A	LT	1**	LT	1**		N/A
1,1-Dichloroethane	µg/L	1	LT	1**		N/A	LT	1**	LT	1**		N/A
1,2-Dichloroethene	µg/L	5	LT	5**		N/A	LT	5**	LT	5**		N/A
1,2-Dichloroethane	µg/L	1	LT	1**		N/A	LT	1**	LT	1**		N/A
1,2-Dichloropropane	µg/L	1	LT	1**		N/A	LT	1**	LT	1**		N/A
1,3-Dichlorobenzene	µg/L	1	LT	1**		N/A	LT	1**	LT	1**		N/A
1,3-Dichloropropane	µg/L	4.8	LT	4.8**		N/A	LT	4.8**	LT	4.8**		N/A
1,3-Dimethylbenzene	µg/L	1	LT	1**		N/A	LT	1**	LT	1**		N/A
2-Chloroethylvinyl Ether	µg/L	3.5	LT	3.5**		N/A	LT	3.5**	LT	3.5**		N/A
Acetone	µg/L	8	LT	8**		N/A	LT	8**		27**		N/A
Acrylonitrile	µg/L	8.4	LT	8.4**		N/A	LT	8.4**	LT	8.4**		N/A
Bromodichloromethane	µg/L	1	LT	1**		N/A	LT	1**	LT	1**		N/A
Chloroethane	µg/L	8	LT	8**		N/A	LT	8**	LT	8**		N/A
Benzene	µg/L	1	LT	1**		N/A	LT	1**	LT	1**		N/A
Trichlorofluoromethane	µg/L	1	LT	1**		N/A	LT	1**	LT	1**		N/A
Carbon Tetrachloride	µg/L	1	LT	1**		N/A	LT	1**	LT	1**		N/A
Methylene Chloride	µg/L	1	LT	1**		N/A	LT	1**		4.1**		N/A
Bromomethane	µg/L	14	LT	14**		N/A	LT	14**	LT	14**		N/A
Chloromethane	µg/L	1.2	LT	1.2**		N/A	LT	1.2**	LT	1.2**		N/A
Bromoform	µg/L	11	LT	11**		N/A	LT	11**	LT	11**		N/A
Chloroform	µg/L	1	LT	1**		N/A	LT	1**	LT	1**		N/A
Chlorobenzene	µg/L	1	LT	1**		N/A	LT	1**	LT	1**		N/A
Dibromochloromethane	µg/L	1	LT	1**		N/A	LT	1**	LT	1**		N/A
Ethylbenzene	µg/L	1	LT	1**		N/A	LT	1**	LT	1**		N/A
Toluene	µg/L	1	LT	1**		N/A	LT	1**	LT	1**		N/A
Methylethylketone	µg/L	10	LT	10**		N/A	LT	10**	LT	10**		N/A
Methylisobutylketone	µg/L	1.4	LT	1.4**		N/A	LT	1.4**	LT	1.4**		N/A
1,1,2,2-Tetrachloroethane	µg/L	1.5	LT	1.5**		N/A	LT	1.5**	LT	1.5**		N/A
Tetrachloroethene	µg/L	1	LT	1**		N/A	LT	1**	LT	1**		N/A
Trichloroethene	µg/L	1	LT	1**		N/A	LT	1**	LT	1**		N/A
1,2-Dimethylbenzene	µg/L	2	LT	2**		N/A	LT	2**	LT	2**		N/A
Vinyl Chloride	µg/L	1		N/A	LT	1**		N/A	LT	1**	LT	1**
TICs	µg/L			0 (0.0)		N/A		0 (0.0)		0 (0.0)		N/A

Table F-5. Data Summary Table: Groundwater - Trip Blanks, Fort McClellan, Anniston Alabama (Continued)

Site ID			CW-G02		FRL-1		FRL-1		LF1-D01		LF1-G01
Field Sample Number			SAICTB56		SAICTB01		SAICTB18		SAICTB27		SAICTB73
Site Type			TRIP		TRIP		TRIP		TRIP		TRIP
Collection Date			7/18/94		4/8/94		5/11/94		6/9/94		2/1/95
Depth (ft)			0		0		0		0		0
Associated Field QC Sample - Site ID					N/A		N/A				
Associated Field QC Sample - Field Sample No.					N/A		N/A				
Associated Field QC Sample - Site ID							N/A				
Associated Field QC Sample - Field Sample No.							N/A				
VOLATILES/WATER (µg/L)											
Laboratory ID Number			UB04953		UB01869		UB02911		UB03753		UC00369
Parameter	Units	CRL									
1,1,1-Trichloroethane	µg/L	1	LT 1**	LT	1**	LT	1**	LT	1**	LT	1**
1,1,2-Trichloroethane	µg/L	1	LT 1**	LT	1**	LT	1**	LT	1**	LT	1**
1,1-Dichloroethene	µg/L	1	LT 1**	LT	1**	LT	1**	LT	1**	LT	1**
1,1-Dichloroethane	µg/L	1	LT 1**	LT	1**	LT	1**	LT	1**	LT	1**
1,2-Dichloroethene	µg/L	5	LT 5**	LT	5**	LT	5**	LT	5**	LT	5**
1,2-Dichloroethane	µg/L	1	LT 1**	LT	1**	LT	1**	LT	1**	LT	1**
1,2-Dichloropropane	µg/L	1	LT 1**	LT	1**	LT	1**	LT	1**	LT	1**
1,3-Dichlorobenzene	µg/L	1	LT 1**	LT	1**	LT	1**	LT	1**	LT	1**
1,3-Dichloropropane	µg/L	4.8	LT 4.8**	LT	4.8**	LT	4.8**	LT	4.8**	LT	4.8**
1,3-Dimethylbenzene	µg/L	1	LT 1**	LT	1**	LT	1**	LT	1**	LT	1**
2-Chloroethylvinyl Ether	µg/L	3.5	LT 3.5**	LT	3.5**	LT	3.5**	LT	3.5**	LT	3.5**
Acetone	µg/L	8	LT 8**	LT	8**	LT	8**	LT	8**	LT	8**
Acrylonitrile	µg/L	8.4	LT 8.4**	LT	8.4**	LT	8.4**	LT	8.4**	LT	8.4**
Bromodichloromethane	µg/L	1	LT 1**	LT	1**	LT	1**	LT	1**	LT	1**
Chloroethane	µg/L	8	LT 8**	LT	8**	LT	8**	LT	8**	LT	8**
Benzene	µg/L	1	LT 1**	LT	1**	LT	1**	LT	1**	LT	1**
Trichlorofluoromethane	µg/L	1	LT 1**	LT	1**	LT	1**	LT	1**	LT	1**
Carbon Tetrachloride	µg/L	1	LT 1**	LT	1**	LT	1**	LT	1**	LT	1**
Methylene Chloride	µg/L	1	17**		10**	LT	1**		11**		4.5**
Bromomethane	µg/L	14	LT 14**	LT	14**	LT	14**	LT	14**	LT	14**
Chloromethane	µg/L	1.2	LT 1.2**	LT	1.2**	LT	1.2**	LT	1.2**	LT	1.2**
Bromoform	µg/L	11	LT 11**	LT	11**	LT	11**	LT	11**	LT	11**
Chloroform	µg/L	1	LT 1**	LT	1**	LT	1**	LT	1**	LT	1**
Chlorobenzene	µg/L	1	LT 1**	LT	1**	LT	1**	LT	1**	LT	1**
Dibromochloromethane	µg/L	1	LT 1**	LT	1**	LT	1**	LT	1**	LT	1**
Ethylbenzene	µg/L	1	LT 1**	LT	1**	LT	1**	LT	1**	LT	1**
Toluene	µg/L	1	LT 1**	LT	1**	LT	1**	LT	1**	LT	1**
Methylethylketone	µg/L	10	LT 10**	LT	10**	LT	10**	LT	10**	LT	10**
Methylisobutylketone	µg/L	1.4	LT 1.4**	LT	1.4**	LT	1.4**	LT	1.4**	LT	1.4**
1,1,2,2-Tetrachloroethane	µg/L	1.5	LT 1.5**	LT	1.5**	LT	1.5**	LT	1.5**	LT	1.5**
Tetrachloroethene	µg/L	1	LT 1**	LT	1**	LT	1**	LT	1**	LT	1**
Trichloroethene	µg/L	1	LT 1**	LT	1**	LT	1**	LT	1**	LT	1**
1,2-Dimethylbenzene	µg/L	2	LT 2**	LT	2**	LT	2**	LT	2**	LT	2**
Vinyl Chloride	µg/L	1	N/A		N/A		N/A		N/A	LT	1**
TICs	µg/L		0 (0.0)		0 (0.0)		0 (0.0)		0 (0.0)		0 (0.0)

Table F-5. Data Summary Table: Groundwater - Trip Blanks, Fort McClellan, Anniston Alabama (Continued)

Site ID			LF1-G02		LF1-G03		LF1-G03		LF1-S01		LF1-S02
Field Sample Number			SAICTB72		SAICTB11		SAICTB49		SAICTB15		SAICTB16
Site Type			TRIP		TRIP		TRIP		TRIP		TRIP
Collection Date			1/31/95		7/5/94		7/5/94		4/27/94		4/29/94
Depth (ft)			0		0		0		0		0
Associated Field QC Sample - Site ID									N/A		N/A
Associated Field QC Sample - Field Sample No.									N/A		N/A
Associated Field QC Sample - Site ID									N/A		N/A
Associated Field QC Sample - Field Sample No.									N/A		N/A
VOLATILES/WATER (µg/L)											
Laboratory ID Number			UC00359		N/A		UB04541		UB02436		UB02824
Parameter	Units	CRL									
1,1,1-Trichloroethane	µg/L	1	2.5**		N/A	LT	1**	LT	1**	LT	1**
1,1,2-Trichloroethane	µg/L	1	LT 1**		N/A	LT	1**	LT	1**	LT	1**
1,1-Dichloroethene	µg/L	1	LT 1**		N/A	LT	1**	LT	1**	LT	1**
1,1-Dichloroethane	µg/L	1	LT 1**		N/A	LT	1**	LT	1**	LT	1**
1,2-Dichloroethene	µg/L	5	LT 5**		N/A	LT	5**	LT	5**	LT	5**
1,2-Dichloroethane	µg/L	1	LT 1**		N/A	LT	1**	LT	1**	LT	1**
1,2-Dichloropropane	µg/L	1	LT 1**		N/A	LT	1**	LT	1**	LT	1**
1,3-Dichlorobenzene	µg/L	1	LT 1**		N/A	LT	1**	LT	1**	LT	1**
1,3-Dichloropropane	µg/L	4.8	LT 4.8**		N/A	LT	4.8**	LT	4.8**	LT	4.8**
1,3-Dimethylbenzene	µg/L	1	LT 1**		N/A	LT	1**	LT	1**	LT	1**
2-Chloroethylvinyl Ether	µg/L	3.5	LT 3.5**		N/A	LT	3.5**	LT	3.5**	LT	3.5**
Acetone	µg/L	8	LT 8**		N/A	LT	8**	LT	8**	LT	8**
Acrylonitrile	µg/L	8.4	LT 8.4**		N/A	LT	8.4**	LT	8.4**	LT	8.4**
Bromodichloromethane	µg/L	1	LT 1**		N/A	LT	1**	LT	1**	LT	1**
Chloroethane	µg/L	8	LT 8**		N/A	LT	8**	LT	8**	LT	8**
Benzene	µg/L	1	LT 1**		N/A	LT	1**	LT	1**	LT	1**
Trichlorofluoromethane	µg/L	1	LT 1**		N/A	LT	1**	LT	1**	LT	1**
Carbon Tetrachloride	µg/L	1	LT 1**		N/A	LT	1**	LT	1**	LT	1**
Methylene Chloride	µg/L	1	6.7**		N/A		3.7**		11**		11**
Bromomethane	µg/L	14	LT 14**		N/A	LT	14**	LT	14**	LT	14**
Chloromethane	µg/L	1.2	LT 1.2**		N/A	LT	1.2**	LT	1.2**	LT	1.2**
Bromoform	µg/L	11	LT 11**		N/A	LT	11**	LT	11**	LT	11**
Chloroform	µg/L	1	LT 1**		N/A	LT	1**	LT	1**	LT	1**
Chlorobenzene	µg/L	1	LT 1**		N/A	LT	1**	LT	1**	LT	1**
Dibromochloromethane	µg/L	1	LT 1**		N/A	LT	1**	LT	1**	LT	1**
Ethylbenzene	µg/L	1	LT 1**		N/A	LT	1**	LT	1**	LT	1**
Toluene	µg/L	1	LT 1**		N/A	LT	1**	LT	1**	LT	1**
Methylethylketone	µg/L	10	LT 10**		N/A	LT	10**	LT	10**	LT	10**
Methylisobutylketone	µg/L	1.4	LT 1.4**		N/A	LT	1.4**	LT	1.4**	LT	1.4**
1,1,2,2-Tetrachloroethane	µg/L	1.5	LT 1.5**		N/A	LT	1.5**	LT	1.5**	LT	1.5**
Tetrachloroethene	µg/L	1	LT 1**		N/A	LT	1**	LT	1**	LT	1**
Trichloroethene	µg/L	1	LT 1**		N/A	LT	1**	LT	1**	LT	1**
1,2-Dimethylbenzene	µg/L	2	LT 2**		N/A	LT	2**	LT	2**	LT	2**
Vinyl Chloride	µg/L	1	LT 1**	LT	1**		N/A		N/A		N/A
TICs	µg/L		0 (0.0)		N/A		0 (0.0)		0 (0.0)		0 (0.0)

Table F-5. Data Summary Table: Groundwater - Trip Blanks, Fort McClellan, Anniston Alabama (Continued)

Site ID				LF1-S03		LF1-S03		LF1-S04		LF1-W01		LF2-G01
Field Sample Number				SAICTB12		SAICTB13		SAICTB14		SAICTB26		SAICTB09
Site Type				TRIP		TRIP		TRIP		TRIP		TRIP
Collection Date				4/19/94		4/19/94		4/26/94		6/8/94		7/4/94
Depth (ft)				0		0		0		0		0
Associated Field QC Sample - Site ID				LF1-S03		LF1-S03		N/A				
Associated Field QC Sample - Field Sample No.				SAICTB12		SAICTB12		N/A				
Associated Field QC Sample - Site ID				LF1-S03		LF1-S03		N/A				
Associated Field QC Sample - Field Sample No.				SAICRB01		SAICRB01		N/A				
VOLATILES/WATER (µg/L)												
Laboratory ID Number				UB02189		UB02190		UB02416		UB03689		N/A
Parameter	Units	CRL										
1,1,1-Trichloroethane	µg/L	1	LT	1**	LT	1**	LT	1**	LT	1**		N/A
1,1,2-Trichloroethane	µg/L	1	LT	1**	LT	1**	LT	1**	LT	1**		N/A
1,1-Dichloroethene	µg/L	1	LT	1**	LT	1**	LT	1**	LT	1**		N/A
1,1-Dichloroethane	µg/L	1	LT	1**	LT	1**	LT	1**	LT	1**		N/A
1,2-Dichloroethene	µg/L	5	LT	5**	LT	5**	LT	5**	LT	5**		N/A
1,2-Dichloroethane	µg/L	1	LT	1**	LT	1**	LT	1**	LT	1**		N/A
1,2-Dichloropropane	µg/L	1	LT	1**	LT	1**	LT	1**	LT	1**		N/A
1,3-Dichlorobenzene	µg/L	1	LT	1**	LT	1**	LT	1**	LT	1**		N/A
1,3-Dichloropropane	µg/L	4.8	LT	4.8**	LT	4.8**	LT	4.8**	LT	4.8**		N/A
1,3-Dimethylbenzene	µg/L	1	LT	1**	LT	1**	LT	1**	LT	1**		N/A
2-Chloroethylvinyl Ether	µg/L	3.5	LT	3.5**	LT	3.5**	LT	3.5**	LT	3.5**		N/A
Acetone	µg/L	8	LT	8**	LT	8**	LT	8**	LT	8**		N/A
Acrylonitrile	µg/L	8.4	LT	8.4**	LT	8.4**	LT	8.4**	LT	8.4**		N/A
Bromodichloromethane	µg/L	1	LT	1**	LT	1**	LT	1**	LT	1**		N/A
Chloroethane	µg/L	8	LT	8**	LT	8**	LT	8**	LT	8**		N/A
Benzene	µg/L	1	LT	1**	LT	1**	LT	1**	LT	1**		N/A
Trichlorofluoromethane	µg/L	1	LT	1**	LT	1**	LT	1**	LT	1**		N/A
Carbon Tetrachloride	µg/L	1	LT	1**	LT	1**	LT	1**	LT	1**		N/A
Methylene Chloride	µg/L	1	LT	1**	LT	1**		11**		10**		N/A
Bromomethane	µg/L	14	LT	14**	LT	14**	LT	14**	LT	14**		N/A
Chloromethane	µg/L	1.2	LT	1.2**	LT	1.2**	LT	1.2**	LT	1.2**		N/A
Bromoform	µg/L	11	LT	11**	LT	11**	LT	11**	LT	11**		N/A
Chloroform	µg/L	1	LT	1**	LT	1**	LT	1**	LT	1**		N/A
Chlorobenzene	µg/L	1	LT	1**	LT	1**	LT	1**	LT	1**		N/A
Dibromochloromethane	µg/L	1	LT	1**	LT	1**	LT	1**	LT	1**		N/A
Ethylbenzene	µg/L	1	LT	1**	LT	1**	LT	1**	LT	1**		N/A
Toluene	µg/L	1	LT	1**	LT	1**	LT	1**	LT	1**		N/A
Methylethylketone	µg/L	10	LT	10**	LT	10**	LT	10**	LT	10**		N/A
Methylisobutylketone	µg/L	1.4	LT	1.4**	LT	1.4**	LT	1.4**	LT	1.4**		N/A
1,1,2,2-Tetrachloroethane	µg/L	1.5	LT	1.5**	LT	1.5**	LT	1.5**	LT	1.5**		N/A
Tetrachloroethene	µg/L	1	LT	1**	LT	1**	LT	1**	LT	1**		N/A
Trichloroethene	µg/L	1	LT	1**	LT	1**	LT	1**	LT	1**		N/A
1,2-Dimethylbenzene	µg/L	2	LT	2**	LT	2**	LT	2**	LT	2**		N/A
Vinyl Chloride	µg/L	1		N/A		N/A		N/A		N/A	LT	1**
TICs	µg/L			0 (0.0)		0 (0.0)		0 (0.0)		0 (0.0)		N/A

Table F-5. Data Summary Table: Groundwater - Trip Blanks, Fort McClellan, Anniston Alabama (Continued)

Site ID				LF2-G01		LF2-G01		LF2-G01		LF2-W02	
Field Sample Number				SAICTB47		SAICTB67		SAICTB71		SAICTB30	
Site Type				TRIP		TRIP		TRIP		TRIP	
Collection Date				7/4/94		1/27/95		1/31/95		6/14/94	
Depth (ft)				0		0		0		0	
Associated Field QC Sample - Site ID											
Associated Field QC Sample - Field Sample No.											
Associated Field QC Sample - Site ID											
Associated Field QC Sample - Field Sample No.											
VOLATILES/WATER (µg/L)											
Laboratory ID Number				UB04505		UC00337		UC00358		UB03942	
Parameter	Units	CRL									
1,1,1-Trichloroethane	µg/L	1	LT	1*	LT	1**		4.9**	LT	1**	
1,1,2-Trichloroethane	µg/L	1	LT	1*	LT	1**	LT	1**	LT	1**	
1,1-Dichloroethene	µg/L	1	LT	1*	LT	1**	LT	1**	LT	1**	
1,1-Dichloroethane	µg/L	1	LT	1*	LT	1**	LT	1**	LT	1**	
1,2-Dichloroethene	µg/L	5	LT	5*	LT	5**	LT	5**	LT	5**	
1,2-Dichloroethane	µg/L	1	LT	1*	LT	1**	LT	1**	LT	1**	
1,2-Dichloropropane	µg/L	1	LT	1*	LT	1**	LT	1**	LT	1**	
1,3-Dichlorobenzene	µg/L	1	LT	1*	LT	1**	LT	1**	LT	1**	
1,3-Dichloropropane	µg/L	4.8	LT	4.8*	LT	4.8**	LT	4.8**	LT	4.8**	
1,3-Dimethylbenzene	µg/L	1	LT	1*	LT	1**	LT	1**	LT	1**	
2-Chloroethylvinyl Ether	µg/L	3.5	LT	3.5*	LT	3.5**	LT	3.5**	LT	3.5**	
Acetone	µg/L	8	LT	8*		20**		32**	LT	8**	
Acrylonitrile	µg/L	8.4	LT	8.4*	LT	8.4**	LT	8.4**	LT	8.4**	
Bromodichloromethane	µg/L	1	LT	1*	LT	1**	LT	1**	LT	1**	
Chloroethane	µg/L	8	LT	8*	LT	8**	LT	8**	LT	8**	
Benzene	µg/L	1	LT	1*	LT	1**	LT	1**	LT	1**	
Trichlorofluoromethane	µg/L	1	LT	1*	LT	1**	LT	1**	LT	1**	
Carbon Tetrachloride	µg/L	1	LT	1*	LT	1**	LT	1**	LT	1**	
Methylene Chloride	µg/L	1		9.19*		5.6**		5.4**		12**	
Bromomethane	µg/L	14	LT	14*	LT	14**	LT	14**	LT	14**	
Chloromethane	µg/L	1.2	LT	1.2*	LT	1.2**	LT	1.2**	LT	1.2**	
Bromoform	µg/L	11	LT	11*	LT	11**	LT	11**	LT	11**	
Chloroform	µg/L	1	LT	1*	LT	1**	LT	1**	LT	1**	
Chlorobenzene	µg/L	1	LT	1*	LT	1**	LT	1**	LT	1**	
Dibromochloromethane	µg/L	1	LT	1*	LT	1**	LT	1**	LT	1**	
Ethylbenzene	µg/L	1	LT	1*	LT	1**	LT	1**	LT	1**	
Toluene	µg/L	1	LT	1*	LT	1**	LT	1**	LT	1**	
Methylethylketone	µg/L	10	LT	10*	LT	10**	LT	10**	LT	10**	
Methylisobutylketone	µg/L	1.4	LT	1.4*	LT	1.4**	LT	1.4**	LT	1.4**	
1,1,2,2-Tetrachloroethane	µg/L	1.5	LT	1.5*	LT	1.5**	LT	1.5**	LT	1.5**	
Tetrachloroethene	µg/L	1	LT	1*	LT	1**	LT	1**	LT	1**	
Trichloroethene	µg/L	1	LT	1*	LT	1**	LT	1**	LT	1**	
1,2-Dimethylbenzene	µg/L	2	LT	2*	LT	2**	LT	2**	LT	2**	
Vinyl Chloride	µg/L	1		N/A	LT	1**	LT	1**		N/A	
TICs	µg/L			0 (0.0)		0 (0.0)		0 (0.0)		0 (0.0)	

Table F-5. Data Summary Table: Groundwater - Trip Blanks, Fort McClellan, Anniston Alabama

Site ID			OLF-G02		OLF-G05		OLF-G06		OLF-G08		OLF-G09
Field Sample Number			SAICTB77		SAICTB19		SAICTB16		SAICTB55		SAICTB75
Site Type			TRIP		TRIP		TRIP		TRIP		TRIP
Collection Date			2/5/95		7/18/94		7/17/94		7/17/94		2/2/95
Depth (ft)			0		0		0		0		0
Associated Field QC Sample - Site ID											
Associated Field QC Sample - Field Sample No.											
Associated Field QC Sample - Site ID											
Associated Field QC Sample - Field Sample No.											
VOLATILES/WATER (µg/L)											
Laboratory ID Number			UC00444		N/A		N/A		UB04957		UC00391
Parameter	Units	CRL									
1,1,1-Trichloroethane	µg/L	1	LT 1**		N/A		N/A	LT	1**	LT	1**
1,1,2-Trichloroethane	µg/L	1	LT 1**		N/A		N/A	LT	1**	LT	1**
1,1-Dichloroethene	µg/L	1	LT 1**		N/A		N/A	LT	1**	LT	1**
1,1-Dichloroethane	µg/L	1	LT 1**		N/A		N/A	LT	1**	LT	1**
1,2-Dichloroethene	µg/L	5	LT 5**		N/A		N/A	LT	5**	LT	5**
1,2-Dichloroethane	µg/L	1	LT 1**		N/A		N/A	LT	1**	LT	1**
1,2-Dichloropropane	µg/L	1	LT 1**		N/A		N/A	LT	1**	LT	1**
1,3-Dichlorobenzene	µg/L	1	LT 1**		N/A		N/A	LT	1**	LT	1**
1,3-Dichloropropane	µg/L	4.8	LT 4.8**		N/A		N/A	LT	4.8**	LT	4.8**
1,3-Dimethylbenzene	µg/L	1	LT 1**		N/A		N/A	LT	1**	LT	1**
2-Chloroethylvinyl Ether	µg/L	3.5	LT 3.5**		N/A		N/A	LT	3.5**	LT	3.5**
Acetone	µg/L	8	42**		N/A		N/A	LT	8**		42**
Acrylonitrile	µg/L	8.4	LT 8.4**		N/A		N/A	LT	8.4**	LT	8.4**
Bromodichloromethane	µg/L	1	LT 1**		N/A		N/A	LT	1**	LT	1**
Chloroethane	µg/L	8	LT 8**		N/A		N/A	LT	8**	LT	8**
Benzene	µg/L	1	LT 1**		N/A		N/A	LT	1**	LT	1**
Trichlorofluoromethane	µg/L	1	LT 1**		N/A		N/A	LT	1**	LT	1**
Carbon Tetrachloride	µg/L	1	LT 1**		N/A		N/A	LT	1**	LT	1**
Methylene Chloride	µg/L	1	4**		N/A		N/A	LT	1**		5.5**
Bromomethane	µg/L	14	LT 14**		N/A		N/A	LT	14**	LT	14**
Chloromethane	µg/L	1.2	LT 1.2**		N/A		N/A	LT	1.2**	LT	1.2**
Bromoform	µg/L	11	LT 11**		N/A		N/A	LT	11**	LT	11**
Chloroform	µg/L	1	LT 1**		N/A		N/A	LT	1**	LT	1**
Chlorobenzene	µg/L	1	LT 1**		N/A		N/A	LT	1**	LT	1**
Dibromochloromethane	µg/L	1	LT 1**		N/A		N/A	LT	1**	LT	1**
Ethylbenzene	µg/L	1	LT 1**		N/A		N/A	LT	1**	LT	1**
Toluene	µg/L	1	LT 1**		N/A		N/A	LT	1**	LT	1**
Methylethylketone	µg/L	10	LT 10**		N/A		N/A	LT	10**	LT	10**
Methylisobutylketone	µg/L	1.4	LT 1.4**		N/A		N/A	LT	1.4**	LT	1.4**
1,1,2,2-Tetrachloroethane	µg/L	1.5	LT 1.5**		N/A		N/A	LT	1.5**	LT	1.5**
Tetrachloroethene	µg/L	1	LT 1**		N/A		N/A	LT	1**	LT	1**
Trichloroethene	µg/L	1	LT 1**		N/A		N/A	LT	1**	LT	1**
1,2-Dimethylbenzene	µg/L	2	LT 2**		N/A		N/A	LT	2**	LT	2**
Vinyl Chloride	µg/L	1	LT 1**	LT	1**	LT	1**		N/A	LT	1**
TICs	µg/L		0 (0.0)		N/A		N/A		0 (0.0)		0 (0.0)

Table F-5. Data Summary Table: Groundwater - Trip Blanks, Fort McClellan, Anniston Alabama (Continued)

Site ID				OLF-G13		OLF-G17		OLF-G17		OLF-G17		OLF-G18
Field Sample Number				SAICTB79		SAICTB23		SAICTB64		SAICTB80		SAICTB92
Site Type				TRIP		TRIP		TRIP		TRIP		TRIP
Collection Date				2/6/95		7/25/94		7/25/94		2/6/95		4/27/95
Depth (ft)				0		0		0		0		0
Associated Field QC Sample - Site ID												
Associated Field QC Sample - Field Sample No.												
Associated Field QC Sample - Site ID												
Associated Field QC Sample - Field Sample No.												
VOLATILES/WATER (µg/L)												
Laboratory ID Number				UC00443		N/A				UC00447		UC00952
Parameter	Units	CRL										
1,1,1-Trichloroethane	µg/L	1	LT	1**		N/A			LT	1**	LT	1*
1,1,2-Trichloroethane	µg/L	1	LT	1**		N/A	LT	1**	LT	1**	LT	1*
1,1-Dichloroethene	µg/L	1	LT	1**		N/A	LT	1**	LT	1**	LT	1*
1,1-Dichloroethane	µg/L	1	LT	1**		N/A	LT	1**	LT	1**	LT	1*
1,2-Dichloroethene	µg/L	5	LT	5**		N/A	LT	5**	LT	5**	LT	5*
1,2-Dichloroethane	µg/L	1	LT	1**		N/A	LT	1**	LT	1**	LT	1*
1,2-Dichloropropane	µg/L	1	LT	1**		N/A	LT	1**	LT	1**	LT	1*
1,3-Dichlorobenzene	µg/L	1	LT	1**		N/A	LT	1**	LT	1**	LT	1*
1,3-Dichloropropane	µg/L	4.8	LT	4.8**		N/A	LT	4.8**	LT	4.8**	LT	4.8*
1,3-Dimethylbenzene	µg/L	1	LT	1**		N/A	LT	1**	LT	1**	LT	1*
2-Chloroethylvinyl Ether	µg/L	3.5	LT	3.5**		N/A	LT	3.5**	LT	3.5**	LT	3.5*
Acetone	µg/L	8		30**		N/A	LT	6**		22**	LT	8*
Acrylonitrile	µg/L	8.4	LT	8.4**		N/A	LT	8.4**	LT	8.4**	LT	8.4*
Bromodichloromethane	µg/L	1	LT	1**		N/A	LT	1**	LT	1**	LT	1*
Chloroethane	µg/L	8	LT	8**		N/A	LT	8**	LT	8**	LT	8*
Benzene	µg/L	1	LT	1**		N/A	LT	1**	LT	1**	LT	1*
Trichlorofluoromethane	µg/L	1	LT	1**		N/A	LT	1**	LT	1**	LT	1*
Carbon Tetrachloride	µg/L	1	LT	1**		N/A	LT	1**	LT	1**	LT	1*
Methylene Chloride	µg/L	1		4.2**		N/A		10**		4.6**	LT	1*
Bromomethane	µg/L	14	LT	14**		N/A	LT	14**	LT	14**	LT	14*
Chloromethane	µg/L	1.2	LT	1.2**		N/A	LT	1.2**	LT	1.2**	LT	1.2*
Bromoform	µg/L	11	LT	11**		N/A	LT	11**	LT	11**	LT	11*
Chloroform	µg/L	1	LT	1**		N/A	LT	1**	LT	1**	LT	1*
Chlorobenzene	µg/L	1	LT	1**		N/A	LT	1**	LT	1**	LT	1*
Dibromochloromethane	µg/L	1	LT	1**		N/A	LT	1**	LT	1**	LT	1*
Ethylbenzene	µg/L	1	LT	1**		N/A	LT	1**	LT	1**	LT	1*
Toluene	µg/L	1	LT	1**		N/A	LT	1**	LT	1**	LT	1*
Methylethylketone	µg/L	10	LT	10**		N/A	LT	10**	LT	10**	LT	10*
Methylisobutylketone	µg/L	1.4	LT	1.4**		N/A	LT	1.4**	LT	1.4**	LT	1.4*
1,1,2,2-Tetrachloroethane	µg/L	1.5	LT	1.5**		N/A	LT	1.5**	LT	1.5**	LT	1.5*
Tetrachloroethene	µg/L	1	LT	1**		N/A	LT	1**	LT	1**	LT	1*
Trichloroethene	µg/L	1	LT	1**		N/A	LT	1**	LT	1**	LT	1*
1,2-Dimethylbenzene	µg/L	2	LT	2**		N/A	LT	2**	LT	2**	LT	2*
Vinyl Chloride	µg/L	1	LT	1**	LT	1**		N/A		47.8**	LT	1*
TICs	µg/L			0 (0.0)		N/A		0 (0.0)		0 (0.0)		0 (0.0)

Table F-5. Data Summary Table: Groundwater - Trip Blanks, Fort McClellan, Anniston Alabama (Continued)

Site ID			OLF-G19	OLF-S11	OLF-S13	OLF-S13	OLF-S16
Field Sample Number			SAICTB98	SAICTB10	SAICTB08	SAICTB09	SAICTB11
Site Type			TRIP	TRIP	TRIP	TRIP	TRIP
Collection Date			4/30/95	4/17/94	4/16/94	4/16/94	4/18/94
Depth (ft)			0	0	0	0	0
Associated Field QC Sample - Site ID				OLF-S11	OLF-S13	OLF-S13	OLF-S16
Associated Field QC Sample - Field Sample No.				SAICTB10	SAICTB08	SAICTB08	SAICTB11
Associated Field QC Sample - Site ID				OLF-S11	OLF-S13	OLF-S13	OLF-S16
Associated Field QC Sample - Field Sample No.				SAICRB01	SAICRB01	SAICRB01	SAICRB01
VOLATILES/WATER (µg/L)							
Laboratory ID Number			UC01047	UB02099	UB02096	UB02097	UB02101
Parameter	Units	CRL					
1,1,1-Trichloroethane	µg/L	1	LT 1*	LT 1**	LT 1**	LT 1**	LT 1**
1,1,2-Trichloroethane	µg/L	1	LT 1*	LT 1**	LT 1**	LT 1**	LT 1**
1,1-Dichloroethene	µg/L	1	LT 1*	LT 1**	LT 1**	LT 1**	LT 1**
1,1-Dichloroethane	µg/L	1	LT 1*	LT 1**	LT 1**	LT 1**	LT 1**
1,2-Dichloroethene	µg/L	5	LT 5*	LT 5**	LT 5**	LT 5**	LT 5**
1,2-Dichloroethane	µg/L	1	3.7*	LT 1**	LT 1**	LT 1**	LT 1**
1,2-Dichloropropane	µg/L	1	LT 1*	LT 1**	LT 1**	LT 1**	LT 1**
1,3-Dichlorobenzene	µg/L	1		LT 1**	LT 1**	LT 1**	LT 1**
1,3-Dichloropropane	µg/L	4.8	LT 4.8*	LT 4.8**	LT 4.8**	LT 4.8**	LT 4.8**
1,3-Dimethylbenzene	µg/L	1		LT 1**	LT 1**	LT 1**	LT 1**
2-Chloroethylvinyl Ether	µg/L	3.5		LT 3.5**	LT 3.5**	LT 3.5**	LT 3.5**
Acetone	µg/L	8	16*	LT 8**	LT 8**	LT 8**	LT 8**
Acrylonitrile	µg/L	8.4		LT 8.4**	LT 8.4**	LT 8.4**	LT 8.4**
Bromodichloromethane	µg/L	1	LT 1*	LT 1**	LT 1**	LT 1**	LT 1**
Chloroethane	µg/L	8	LT 8*	LT 8**	LT 8**	LT 8**	LT 8**
Benzene	µg/L	1	LT 1*	LT 1**	LT 1**	LT 1**	LT 1**
Trichlorofluoromethane	µg/L	1		LT 1**	LT 1**	LT 1**	LT 1**
Carbon Tetrachloride	µg/L	1	LT 1*	LT 1**	LT 1**	LT 1**	LT 1**
Methylene Chloride	µg/L	1	LT 1*	9.5**	9.9**	11**	10**
Bromomethane	µg/L	14	LT 14*	LT 14**	LT 14**	LT 14**	LT 14**
Chloromethane	µg/L	1.2	LT 1.2*	LT 1.2**	LT 1.2**	LT 1.2**	LT 1.2**
Bromoform	µg/L	11	LT 11*	LT 11**	LT 11**	LT 11**	LT 11**
Chloroform	µg/L	1	LT 1*	LT 1**	LT 1**	LT 1**	LT 1**
Chlorobenzene	µg/L	1	LT 1*	LT 1**	LT 1**	LT 1**	LT 1**
Dibromochloromethane	µg/L	1	LT 1*	LT 1**	LT 1**	LT 1**	LT 1**
Ethylbenzene	µg/L	1	LT 1*	LT 1**	LT 1**	LT 1**	LT 1**
Toluene	µg/L	1	LT 1*	LT 1**	LT 1**	LT 1**	LT 1**
Methylethylketone	µg/L	10	LT 10*	LT 10**	LT 10**	LT 10**	LT 10**
Methylisobutylketone	µg/L	1.4	LT 1.4*	LT 1.4**	LT 1.4**	LT 1.4**	LT 1.4**
1,1,2,2-Tetrachloroethane	µg/L	1.5	LT 1.5*	LT 1.5**	LT 1.5**	LT 1.5**	LT 1.5**
Tetrachloroethene	µg/L	1	LT 1*	LT 1**	LT 1**	LT 1**	LT 1**
Trichloroethene	µg/L	1	LT 1*	LT 1**	LT 1**	LT 1**	LT 1**
1,2-Dimethylbenzene	µg/L	2		LT 2**	LT 2**	LT 2**	LT 2**
Vinyl Chloride	µg/L	1	LT 1*	N/A	N/A	N/A	N/A
TICs	µg/L		0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)

Table F-5. Data Summary Table: Groundwater - Trip Blanks, Fort McClellan, Anniston Alabama (Continued)

Site ID				OLF-S17		OLF-S17		OLF-S20		OLF-S20		OLF-S20			
Field Sample Number				SAICTB10		SAICTB48		SAICTB05		SAICTB06		SAICTB07			
Site Type				TRIP		TRIP		TRIP		TRIP		TRIP			
Collection Date				7/6/94		7/6/94		4/14/94		4/14/94		4/14/94			
Depth (ft)				0		0		0		0		0			
Associated Field QC Sample - Site ID								OLF-S20		OLF-S20		OLF-S20			
Associated Field QC Sample - Field Sample No.								SAICTB05		SAICTB05		SAICTB05			
Associated Field QC Sample - Site ID								OLF-S20		OLF-S20		OLF-S20			
Associated Field QC Sample - Field Sample No.								SAICRB01		SAICRB01		SAICRB01			
VOLATILES/WATER (µg/L)															
Laboratory ID Number				N/A		UB04543		UB01943		UB01944		UB01945			
Parameter	Units	CRL													
1,1,1-Trichloroethane	µg/L	1		N/A	LT	1**	LT	1**	LT	1**	LT	1**			
1,1,2-Trichloroethane	µg/L	1		N/A	LT	1**	LT	1**	LT	1**	LT	1**			
1,1-Dichloroethene	µg/L	1		N/A	LT	1**	LT	1**	LT	1**	LT	1**			
1,1-Dichloroethane	µg/L	1		N/A	LT	1**	LT	1**	LT	1**	LT	1**			
1,2-Dichloroethene	µg/L	5		N/A	LT	5**	LT	5**	LT	5**	LT	5**			
1,2-Dichloroethane	µg/L	1		N/A	LT	1**	LT	1**	LT	1**	LT	1**			
1,2-Dichloropropane	µg/L	1		N/A	LT	1**	LT	1**	LT	1**	LT	1**			
1,3-Dichlorobenzene	µg/L	1		N/A	LT	1**	LT	1**	LT	1**	LT	1**			
1,3-Dichloropropane	µg/L	4.8		N/A	LT	4.8**	LT	4.8**	LT	4.8**	LT	4.8**			
1,3-Dimethylbenzene	µg/L	1		N/A	LT	1**	LT	1**	LT	1**	LT	1**			
2-Chloroethylvinyl Ether	µg/L	3.5		N/A	LT	3.5**	LT	3.5**	LT	3.5**	LT	3.5**			
Acetone	µg/L	8		N/A	LT	8**	LT	8**	LT	8**	LT	8**			
Acrylonitrile	µg/L	8.4		N/A	LT	8.4**	LT	8.4**	LT	8.4**	LT	8.4**			
Bromodichloromethane	µg/L	1		N/A	LT	1**	LT	1**	LT	1**	LT	1**			
Chloroethane	µg/L	8		N/A	LT	8**	LT	8**	LT	8**	LT	8**			
Benzene	µg/L	1		N/A	LT	1**	LT	1**	LT	1**	LT	1**			
Trichlorofluoromethane	µg/L	1		N/A	LT	1**	LT	1**	LT	1**	LT	1**			
Carbon Tetrachloride	µg/L	1		N/A	LT	1**	LT	1**	LT	1**	LT	1**			
Methylene Chloride	µg/L	1		N/A		16**		11**	LT	1**	LT	1**			
Bromomethane	µg/L	14		N/A	LT	14**	LT	14**	LT	14**	LT	14**			
Chloromethane	µg/L	1.2		N/A	LT	1.2**	LT	1.2**	LT	1.2**	LT	1.2**			
Bromoform	µg/L	11		N/A	LT	11**	LT	11**	LT	11**	LT	11**			
Chloroform	µg/L	1		N/A	LT	1**	LT	1**	LT	1**	LT	1**			
Chlorobenzene	µg/L	1		N/A	LT	1**	LT	1**	LT	1**	LT	1**			
Dibromochloromethane	µg/L	1		N/A	LT	1**	LT	1**	LT	1**	LT	1**			
Ethylbenzene	µg/L	1		N/A	LT	1**	LT	1**	LT	1**	LT	1**			
Toluene	µg/L	1		N/A	LT	1**	LT	1**	LT	1**	LT	1**			
Methylethylketone	µg/L	10		N/A	LT	10**	LT	10**	LT	10**	LT	10**			
Methylisobutylketone	µg/L	1.4		N/A	LT	1.4**	LT	1.4**	LT	1.4**	LT	1.4**			
1,1,2,2-Tetrachloroethane	µg/L	1.5		N/A	LT	1.5**	LT	1.5**	LT	1.5**	LT	1.5**			
Tetrachloroethene	µg/L	1		N/A	LT	1**	LT	1**	LT	1**	LT	1**			
Trichloroethene	µg/L	1		N/A	LT	1**	LT	1**	LT	1**	LT	1**			
1,2-Dimethylbenzene	µg/L	2		N/A	LT	2**	LT	2**	LT	2**	LT	2**			
Vinyl Chloride	µg/L	1	LT	1**		N/A		N/A		N/A		N/A			
TICs	µg/L			N/A		0 (0.0)		0 (0.0)		0 (0.0)		0 (0.0)			

Table F-5. Data Summary Table: Groundwater - Trip Blanks, Fort McClellan, Anniston Alabama (Continued)

Site ID				OLF-W03		OLF-W03		T24A-G01		T24A-G01		T24A-G02
Field Sample Number				SAICTB18		SAICTB57		SAICTB66		SAICTB74		SAICTB87
Site Type				TRIP		TRIP		TRIP		TRIP		TRIP
Collection Date				7/18/94		7/18/94		10/23/94		2/1/95		4/24/95
Depth (ft)				0		0		0		0		0
Associated Field QC Sample - Site ID												
Associated Field QC Sample - Field Sample No.												
Associated Field QC Sample - Site ID												
Associated Field QC Sample - Field Sample No.												
VOLATILES/WATER (µg/L)												
Laboratory ID Number				N/A		UB04955		UB06051		UC00390		UC00900
Parameter	Units	CRL										
1,1,1-Trichloroethane	µg/L	1		N/A	LT	1**		2**	LT	1**	LT	1*
1,1,2-Trichloroethane	µg/L	1		N/A	LT	1**	LT	1**	LT	1**	LT	1*
1,1-Dichloroethene	µg/L	1		N/A	LT	1**	LT	1**	LT	1**	LT	1*
1,1-Dichloroethane	µg/L	1		N/A	LT	1**	LT	1**	LT	1**	LT	1*
1,2-Dichloroethene	µg/L	5		N/A	LT	5**	LT	5**	LT	5**	LT	5*
1,2-Dichloroethane	µg/L	1		N/A	LT	1**	LT	1**	LT	1**	LT	1*
1,2-Dichloropropane	µg/L	1		N/A	LT	1**	LT	1**	LT	1**		6*
1,3-Dichlorobenzene	µg/L	1		N/A	LT	1**	LT	1**	LT	1**	LT	1*
1,3-Dichloropropane	µg/L	4.8		N/A	LT	4.8**	LT	4.8**	LT	4.8**	LT	4.8*
1,3-Dimethylbenzene	µg/L	1		N/A	LT	1**	LT	1**	LT	1**	LT	1*
2-Chloroethylvinyl Ether	µg/L	3.5		N/A	LT	3.5**	LT	3.5**	LT	3.5**	LT	3.5*
Acetone	µg/L	8		N/A	LT	8**	LT	8**		23**		37*
Acrylonitrile	µg/L	8.4		N/A	LT	8.4**	LT	8.4**	LT	8.4**	LT	8.4*
Bromodichloromethane	µg/L	1		N/A	LT	1**	LT	1**	LT	1**	LT	1*
Chloroethane	µg/L	8		N/A	LT	8**	LT	8**	LT	8**	LT	8*
Benzene	µg/L	1		N/A	LT	1**	LT	1**	LT	1**	LT	1*
Trichlorofluoromethane	µg/L	1		N/A	LT	1**	LT	1**	LT	1**	LT	1*
Carbon Tetrachloride	µg/L	1		N/A	LT	1**	LT	1**	LT	1**	LT	1*
Methylene Chloride	µg/L	1		N/A		12**	LT	1**		6.5**		3.64*
Bromomethane	µg/L	14		N/A	LT	14**	LT	14**	LT	14**	LT	14*
Chloromethane	µg/L	1.2		N/A	LT	1.2**	LT	1.2**	LT	1.2**	LT	1.2*
Bromoform	µg/L	11		N/A	LT	11**	LT	11**	LT	11**	LT	11*
Chloroform	µg/L	1		N/A	LT	1**		1.1**	LT	1**	LT	1*
Chlorobenzene	µg/L	1		N/A	LT	1**	LT	1**	LT	1**	LT	1*
Dibromochloromethane	µg/L	1		N/A	LT	1**	LT	1**	LT	1**	LT	1*
Ethylbenzene	µg/L	1		N/A	LT	1**	LT	1**	LT	1**	LT	1*
Toluene	µg/L	1		N/A	LT	1**	LT	1**	LT	1**	LT	1*
Methylethylketone	µg/L	10		N/A	LT	10**	LT	10**	LT	10**	LT	10*
Methylisobutylketone	µg/L	1.4		N/A	LT	1.4**	LT	1.4**	LT	1.4**	LT	1.4*
1,1,2,2-Tetrachloroethane	µg/L	1.5		N/A	LT	1.5**	LT	1.5**	LT	1.5**	LT	1.5*
Tetrachloroethene	µg/L	1		N/A	LT	1**	LT	1**	LT	1**	LT	1*
Trichloroethene	µg/L	1		N/A	LT	1**	LT	1**	LT	1**	LT	1*
1,2-Dimethylbenzene	µg/L	2		N/A	LT	2**	LT	2**	LT	2**	LT	2*
Vinyl Chloride	µg/L	1	LT	1**		N/A	LT	1**	LT	1**	LT	1*
TICs	µg/L			N/A		0 (0.0)		0 (0.0)		0 (0.0)		0 (0.0)

Table F-5. Data Summary Table: Groundwater - Trip Blanks, Fort McClellan, Anniston Alabama (Continued)

Site ID				T24A-S02		T24A-S02		T24A-S03		T24A-S05		T24A-W02				
Field Sample Number				SAICTB24		SAICTB65		SAICTB20		SAICTB21		SAICTB06				
Site Type				TRIP		TRIP		TRIP		TRIP		TRIP				
Collection Date				9/13/94		9/13/94		5/24/94		5/27/94		6/23/94				
Depth (ft)				0		0		0		0		0				
Associated Field QC Sample - Site ID																
Associated Field QC Sample - Field Sample No.																
Associated Field QC Sample - Site ID																
Associated Field QC Sample - Field Sample No.																
VOLATILES/WATER (µg/L)																
Laboratory ID Number				N/A		UB05758		UB03204		UB03312		N/A				
Parameter	Units	CRL														
1,1,1-Trichloroethane	µg/L	1		N/A	LT	1*	LT	1**	LT	1**		N/A				
1,1,2-Trichloroethane	µg/L	1		N/A	LT	1*	LT	1**	LT	1**		N/A				
1,1-Dichloroethene	µg/L	1		N/A	LT	1*	LT	1**	LT	1**		N/A				
1,1-Dichloroethane	µg/L	1		N/A	LT	1*	LT	1**	LT	1**		N/A				
1,2-Dichloroethene	µg/L	5		N/A	LT	5*	LT	5**	LT	5**		N/A				
1,2-Dichloroethane	µg/L	1		N/A	LT	1*	LT	1**	LT	1**		N/A				
1,2-Dichloropropane	µg/L	1		N/A	LT	1*	LT	1**	LT	1**		N/A				
1,3-Dichlorobenzene	µg/L	1		N/A	LT	1*	LT	1**	LT	1**		N/A				
1,3-Dichloropropane	µg/L	4.8		N/A	LT	4.8*	LT	4.8**	LT	4.8**		N/A				
1,3-Dimethylbenzene	µg/L	1		N/A	LT	1*	LT	1**	LT	1**		N/A				
2-Chloroethylvinyl Ether	µg/L	3.5		N/A	LT	3.5*	LT	3.5**	LT	3.5**		N/A				
Acetone	µg/L	8		N/A		49.4*	LT	8**	LT	8**		N/A				
Acrylonitrile	µg/L	8.4		N/A	LT	8.4*	LT	8.4**	LT	8.4**		N/A				
Bromodichloromethane	µg/L	1		N/A	LT	1*	LT	1**	LT	1**		N/A				
Chloroethane	µg/L	8		N/A	LT	8*	LT	8**	LT	8**		N/A				
Benzene	µg/L	1		N/A	LT	1*	LT	1**	LT	1**		N/A				
Trichlorofluoromethane	µg/L	1		N/A	LT	1*	LT	1**	LT	1**		N/A				
Carbon Tetrachloride	µg/L	1		N/A	LT	1*	LT	1**	LT	1**		N/A				
Methylene Chloride	µg/L	1		N/A	LT	1*		12**		12**		N/A				
Bromomethane	µg/L	14		N/A	LT	14*	LT	14**	LT	14**		N/A				
Chloromethane	µg/L	1.2		N/A	LT	1.2*	LT	1.2**	LT	1.2**		N/A				
Bromoform	µg/L	11		N/A	LT	11*	LT	11**	LT	11**		N/A				
Chloroform	µg/L	1		N/A	LT	1*	LT	1**	LT	1**		N/A				
Chlorobenzene	µg/L	1		N/A	LT	1*	LT	1**	LT	1**		N/A				
Dibromochloromethane	µg/L	1		N/A	LT	1*	LT	1**	LT	1**		N/A				
Ethylbenzene	µg/L	1		N/A	LT	1*	LT	1**	LT	1**		N/A				
Toluene	µg/L	1		N/A	LT	1*	LT	1**	LT	1**		N/A				
Methylethylketone	µg/L	10		N/A	LT	10*	LT	10**	LT	10**		N/A				
Methylisobutylketone	µg/L	1.4		N/A	LT	1.4*	LT	1.4**	LT	1.4**		N/A				
1,1,2,2-Tetrachloroethane	µg/L	1.5		N/A	LT	1.5*	LT	1.5**	LT	1.5**		N/A				
Tetrachloroethene	µg/L	1		N/A	LT	1*	LT	1**	LT	1**		N/A				
Trichloroethene	µg/L	1		N/A	LT	1*	LT	1**	LT	1**		N/A				
1,2-Dimethylbenzene	µg/L	2		N/A	LT	2*	LT	2**	LT	2**		N/A				
Vinyl Chloride	µg/L	1	LT	1**		N/A		N/A		N/A	LT	1**				
TICs	µg/L			N/A		0 (0.0)		0 (0.0)		0 (0.0)		N/A				

Table F-5. Data Summary Table: Groundwater - Trip Blanks, Fort McClellan, Anniston Alabama (Continued)

Site ID			T24A-W02		T38-G05		T38-G05		T38-G07		T38-G07
Field Sample Number			SAICTB43		SAICTB20		SAICTB59		SAICTB21		SAICTB60
Site Type			TRIP		TRIP		TRIP		TRIP		TRIP
Collection Date			6/23/94		7/19/94		7/19/94		7/19/94		7/19/94
Depth (ft)			0		0		0		0		0
Associated Field QC Sample - Site ID											
Associated Field QC Sample - Field Sample No.											
Associated Field QC Sample - Site ID											
Associated Field QC Sample - Field Sample No.											
VOLATILES/WATER (µg/L)											
Laboratory ID Number			UB04325		N/A		UB05034		N/A		UB05048
Parameter	Units	CRL									
1,1,1-Trichloroethane	µg/L	1	LT 1**		N/A	LT	1**		N/A	LT	1**
1,1,2-Trichloroethane	µg/L	1	LT 1**		N/A	LT	1**		N/A	LT	1**
1,1-Dichloroethene	µg/L	1	LT 1**		N/A	LT	1**		N/A	LT	1**
1,1-Dichloroethane	µg/L	1	LT 1**		N/A	LT	1**		N/A	LT	1**
1,2-Dichloroethene	µg/L	5	LT 5**		N/A	LT	5**		N/A	LT	5**
1,2-Dichloroethane	µg/L	1	LT 1**		N/A	LT	1**		N/A	LT	1**
1,2-Dichloropropane	µg/L	1	LT 1**		N/A	LT	1**		N/A	LT	1**
1,3-Dichlorobenzene	µg/L	1	LT 1**		N/A	LT	1**		N/A	LT	1**
1,3-Dichloropropane	µg/L	4.8	LT 4.8**		N/A	LT	4.8**		N/A	LT	4.8**
1,3-Dimethylbenzene	µg/L	1	LT 1**		N/A	LT	1**		N/A	LT	1**
2-Chloroethylvinyl Ether	µg/L	3.5	LT 3.5**		N/A	LT	3.5**		N/A	LT	3.5**
Acetone	µg/L	8	LT 8**		N/A	LT	8**		N/A	LT	8**
Acrylonitrile	µg/L	8.4	LT 8.4**		N/A	LT	8.4**		N/A	LT	8.4**
Bromodichloromethane	µg/L	1	LT 1**		N/A	LT	1**		N/A	LT	1**
Chloroethane	µg/L	8	LT 8**		N/A	LT	8**		N/A	LT	8**
Benzene	µg/L	1	LT 1**		N/A	LT	1**		N/A	LT	1**
Trichlorofluoromethane	µg/L	1	LT 1**		N/A	LT	1**		N/A	LT	1**
Carbon Tetrachloride	µg/L	1	LT 1**		N/A	LT	1**		N/A	LT	1**
Methylene Chloride	µg/L	1	8.8**		N/A		11**		N/A	LT	1**
Bromomethane	µg/L	14	LT 14**		N/A	LT	14**		N/A	LT	14**
Chloromethane	µg/L	1.2	LT 1.2**		N/A	LT	1.2**		N/A	LT	1.2**
Bromoform	µg/L	11	LT 11**		N/A	LT	11**		N/A	LT	11**
Chloroform	µg/L	1	LT 1**		N/A	LT	1**		N/A	LT	1**
Chlorobenzene	µg/L	1	LT 1**		N/A	LT	1**		N/A	LT	1**
Dibromochloromethane	µg/L	1	LT 1**		N/A	LT	1**		N/A	LT	1**
Ethylbenzene	µg/L	1	LT 1**		N/A	LT	1**		N/A	LT	1**
Toluene	µg/L	1	LT 1**		N/A	LT	1**		N/A	LT	1**
Methylethylketone	µg/L	10	LT 10**		N/A	LT	10**		N/A	LT	10**
Methylisobutylketone	µg/L	1.4	LT 1.4**		N/A	LT	1.4**		N/A	LT	1.4**
1,1,2,2-Tetrachloroethane	µg/L	1.5	LT 1.5**		N/A	LT	1.5**		N/A	LT	1.5**
Tetrachloroethene	µg/L	1	LT 1**		N/A	LT	1**		N/A	LT	1**
Trichloroethene	µg/L	1	LT 1**		N/A	LT	1**		N/A	LT	1**
1,2-Dimethylbenzene	µg/L	2	LT 2**		N/A	LT	2**		N/A	LT	2**
Vinyl Chloride	µg/L	1	N/A	LT	1**		N/A	LT	1**		N/A
TICs	µg/L		0 (0.0)		N/A		0 (0.0)		N/A		0 (0.0)

Table F-5. Data Summary Table: Groundwater - Trip Blanks, Fort McClellan, Anniston Alabama (Continued)

Site ID			T38-G09	T38-S09	T38-S09	T38-S10	T5-D02
Field Sample Number			SAICTB91	SAICTB22	SAICTB23	SAICTB17	SAICTB24
Site Type			TRIP	TRIP	TRIP	TRIP	TRIP
Collection Date			4/27/95	6/2/94	6/3/94	6/10/94	6/6/94
Depth (ft)			0	0	0	0	0
Associated Field QC Sample - Site ID						N/A	
Associated Field QC Sample - Field Sample No.						N/A	
Associated Field QC Sample - Site ID						N/A	
Associated Field QC Sample - Field Sample No.						N/A	
VOLATILES/WATER (µg/L)							
Laboratory ID Number			UC00953	UB03584	UB03586	UB02878	UB03618
Parameter	Units	CRL					
1,1,1-Trichloroethane	µg/L	1	LT 1*	LT 1**	LT 1**	LT 1**	LT 1**
1,1,2-Trichloroethane	µg/L	1	LT 1*	LT 1**	LT 1**	LT 1**	LT 1**
1,1-Dichloroethene	µg/L	1	LT 1*	LT 1**	LT 1**	LT 1**	LT 1**
1,1-Dichloroethane	µg/L	1	LT 1*	LT 1**	LT 1**	LT 1**	LT 1**
1,2-Dichloroethene	µg/L	5	LT 5*	LT 5**	LT 5**	LT 5**	LT 5**
1,2-Dichloroethane	µg/L	1	LT 1*	LT 1**	LT 1**	LT 1**	LT 1**
1,2-Dichloropropane	µg/L	1	LT 1*	LT 1**	LT 1**	LT 1**	LT 1**
1,3-Dichlorobenzene	µg/L	1	LT 1*	LT 1**	LT 1**	LT 1**	LT 1**
1,3-Dichloropropane	µg/L	4.8	LT 4.8*	LT 4.8**	LT 4.8**	LT 4.8**	LT 4.8**
1,3-Dimethylbenzene	µg/L	1	LT 1*	LT 1**	LT 1**	LT 1**	LT 1**
2-Chloroethylvinyl Ether	µg/L	3.5	LT 3.5*	LT 3.5**	LT 3.5**	LT 3.5**	LT 3.5**
Acetone	µg/L	8	LT 8*	LT 8**	LT 8**	LT 8**	LT 8**
Acrylonitrile	µg/L	8.4	LT 8.4*	LT 8.4**	LT 8.4**	LT 8.4**	LT 8.4**
Bromodichloromethane	µg/L	1	LT 1*	LT 1**	LT 1**	LT 1**	LT 1**
Chloroethane	µg/L	8	LT 8*	LT 8**	LT 8**	LT 8**	LT 8**
Benzene	µg/L	1	LT 1*	LT 1**	LT 1**	LT 1**	LT 1**
Trichlorofluoromethane	µg/L	1	LT 1*	LT 1**	LT 1**	LT 1**	LT 1**
Carbon Tetrachloride	µg/L	1	LT 1*	LT 1**	LT 1**	LT 1**	LT 1**
Methylene Chloride	µg/L	1	LT 1*	11**	3.4**	LT 1**	11**
Bromomethane	µg/L	14	LT 14*	LT 14**	LT 14**	LT 14**	LT 14**
Chloromethane	µg/L	1.2	LT 1.2*	LT 1.2**	LT 1.2**	LT 1.2**	LT 1.2**
Bromoform	µg/L	11	LT 11*	LT 11**	LT 11**	LT 11**	LT 11**
Chloroform	µg/L	1	LT 1*	LT 1**	LT 1**	5.5**	LT 1**
Chlorobenzene	µg/L	1	LT 1*	LT 1**	LT 1**	LT 1**	LT 1**
Dibromochloromethane	µg/L	1	LT 1*	LT 1**	LT 1**	LT 1**	LT 1**
Ethylbenzene	µg/L	1	LT 1*	LT 1**	LT 1**	LT 1**	LT 1**
Toluene	µg/L	1	LT 1*	LT 1**	LT 1**	LT 1**	LT 1**
Methylethylketone	µg/L	10	LT 10*	LT 10**	LT 10**	LT 10**	LT 10**
Methylisobutylketone	µg/L	1.4	LT 1.4*	LT 1.4**	LT 1.4**	LT 1.4**	LT 1.4**
1,1,2,2-Tetrachloroethane	µg/L	1.5	LT 1.5*	LT 1.5**	LT 1.5**	LT 1.5**	LT 1.5**
Tetrachloroethene	µg/L	1	LT 1*	LT 1**	LT 1**	LT 1**	LT 1**
Trichloroethene	µg/L	1	LT 1*	LT 1**	LT 1**	LT 1**	LT 1**
1,2-Dimethylbenzene	µg/L	2	LT 2*	LT 2**	LT 2**	LT 2**	LT 2**
Vinyl Chloride	µg/L	1	LT 1*	N/A	N/A	N/A	N/A
TICs	µg/L		0 (0.0)	0 (0.0)	0 (0.0)	1 (20.0)	0 (0.0)

Table F-5. Data Summary Table: Groundwater - Trip Blanks, Fort McClellan, Anniston Alabama (Continued)

Site ID	T5-W02
Field Sample Number	SAICTB25
Site Type	TRIP
Collection Date	6/8/04
Depth (ft)	0
Associated Field QC Sample - Site ID	
Associated Field QC Sample - Field Sample No.	
Associated Field QC Sample - Site ID	
Associated Field QC Sample - Field Sample No.	

VOLATILES/WATER (µg/L)

Laboratory ID Number				UB03688
Parameter	Units	CRL		
1,1,1-Trichloroethane	µg/L	1	LT	1**
1,1,2-Trichloroethane	µg/L	1	LT	1**
1,1-Dichloroethene	µg/L	1	LT	1**
1,1-Dichloroethane	µg/L	1	LT	1**
1,2-Dichloroethene	µg/L	5	LT	5**
1,2-Dichloroethane	µg/L	1	LT	1**
1,2-Dichloropropane	µg/L	1	LT	1**
1,3-Dichlorobenzene	µg/L	1	LT	1**
1,3-Dichloropropane	µg/L	4.8	LT	4.8**
1,3-Dimethylbenzene	µg/L	1	LT	1**
2-Chloroethylvinyl Ether	µg/L	3.5	LT	3.5**
Acetone	µg/L	8	LT	8**
Acrylonitrile	µg/L	8.4	LT	8.4**
Bromodichloromethane	µg/L	1	LT	1**
Chloroethane	µg/L	6	LT	6**
Benzene	µg/L	1	LT	1**
Trichlorofluoromethane	µg/L	1	LT	1**
Carbon Tetrachloride	µg/L	1	LT	1**
Methylene Chloride	µg/L	1	LT	1**
Bromomethane	µg/L	14	LT	14**
Chloromethane	µg/L	1.2	LT	1.2**
Bromoform	µg/L	11	LT	11**
Chloroform	µg/L	1	LT	1**
Chlorobenzene	µg/L	1	LT	1**
Dibromochloromethane	µg/L	1	LT	1**
Ethylbenzene	µg/L	1	LT	1**
Toluene	µg/L	1	LT	1**
Methylethylketone	µg/L	10	LT	10**
Methylisobutylketone	µg/L	1.4	LT	1.4**
1,1,2,2-Tetrachloroethane	µg/L	1.5	LT	1.5**
Tetrachloroethene	µg/L	1	LT	1**
Trichloroethene	µg/L	1	LT	1**
1,2-Dimethylbenzene	µg/L	2	LT	2**
Vinyl Chloride	µg/L	1		N/A
TICs	µg/L			0 (0.0)

Table F-5. Data Summary Table: Groundwater - Trip Blanks, Pelham Range, Fort McClellan, Anniston Alabama

Site ID			BK-G01	BK-G01	BK-G01	FPR001	OWH-G02
Field Sample Number			SAICTB14	SAICTB52	SAICTB82	TB-01	SAICTB84
Site Type			TRIP	TRIP	TRIP	TRIP	TRIP
Collection Date			7/14/94	7/14/94	2/7/95	1/12/94	2/8/95
Depth (ft)			0	0	0	0	0
Associated Field QC Sample - Site ID							
Associated Field QC Sample - Field Sample No.							
Associated Field QC Sample - Site ID							
Associated Field QC Sample - Field Sample No.							
VOLATILES/WATER (µg/L)							
Laboratory ID Number			N/A	UB04882	UC00473	UB00188	UC00485
Parameter	Units	CRL					
1,1,1-Trichloroethane	µg/L	1	N/A	LT 1*	LT 1*	LT 1*	LT 1*
1,1,2-Trichloroethane	µg/L	1	N/A	LT 1*	LT 1*	LT 1*	LT 1*
1,1-Dichloroethene	µg/L	1	N/A	LT 1*	LT 1*	LT 1*	LT 1*
1,1-Dichloroethane	µg/L	1	N/A	LT 1*	LT 1*	LT 1*	LT 1*
1,2-Dichloroethene	µg/L	5	N/A	LT 5*	LT 5*	LT 5*	LT 5*
1,2-Dichloroethane	µg/L	1	N/A	LT 1*	LT 1*	LT 1*	LT 1*
1,2-Dichloropropane	µg/L	1	N/A	LT 1*	LT 1*	LT 1*	LT 1*
1,3-Dichlorobenzene	µg/L	1	N/A	LT 1*	LT 1*	LT 1*	LT 1*
1,3-Dichloropropane	µg/L	4.8	N/A	LT 4.8*	LT 4.8*	LT 4.8*	LT 4.8*
1,3-Dimethylbenzene	µg/L	1	N/A	LT 1*	LT 1*	LT 1*	LT 1*
2-Chloroethylvinyl Ether	µg/L	3.5	N/A	LT 3.5*	LT 3.5*	LT 3.5*	LT 3.5*
Acetone	µg/L	8	N/A	LT 8*	LT 8*	LT 8*	34.6*
Acrylonitrile	µg/L	8.4	N/A	LT 8.4*	LT 8.4*	LT 8.4*	LT 8.4*
Bromodichloromethane	µg/L	1	N/A	LT 1*	LT 1*	LT 1*	LT 1*
Chloroethane	µg/L	8	N/A	LT 8*	LT 8*	LT 8*	LT 8*
Benzene	µg/L	1	N/A	LT 1*	LT 1*	LT 1*	LT 1*
Trichlorofluoromethane	µg/L	1	N/A	LT 1*	LT 1*	LT 1*	LT 1*
Carbon Tetrachloride	µg/L	1	N/A	LT 1*	LT 1*	LT 1*	LT 1*
Methylene Chloride	µg/L	1	N/A	LT 1*	3.94*	LT 1*	4.24*
Bromomethane	µg/L	14	N/A	LT 14*	LT 14*	LT 14*	LT 14*
Chloromethane	µg/L	1.2	N/A	LT 1.2*	LT 1.2*	LT 1.2*	LT 1.2*
Bromoform	µg/L	11	N/A	LT 11*	LT 11*	LT 11*	LT 11*
Chloroform	µg/L	1	N/A	LT 1*	LT 1*	LT 1*	LT 1*
Chlorobenzene	µg/L	1	N/A	LT 1*	LT 1*	LT 1*	LT 1*
Dibromochloromethane	µg/L	1	N/A	LT 1*	LT 1*	LT 1*	LT 1*
Ethylbenzene	µg/L	1	N/A	LT 1*	LT 1*	LT 1*	LT 1*
Toluene	µg/L	1	N/A	LT 1*	LT 1*	LT 1*	LT 1*
Methylethylketone	µg/L	10	N/A	LT 10*	LT 10*	LT 10*	LT 10*
Methylisobutylketone	µg/L	1.4	N/A	LT 1.4*	LT 1.4*	LT 1.4*	LT 1.4*
1,1,2,2-Tetrachloroethane	µg/L	1.5	N/A	LT 1.5*	LT 1.5*	LT 1.5*	LT 1.5*
Tetrachloroethene	µg/L	1	N/A	LT 1*	LT 1*	LT 1*	LT 1*
Trichloroethene	µg/L	1	N/A	LT 1*	LT 1*	LT 1*	LT 1*
1,2-Dimethylbenzene	µg/L	2	N/A	LT 2*	LT 2*	LT 2*	LT 2*
Vinyl Chloride	µg/L	1	LT 1*	N/A	LT 1*	N/A	LT 1*
TICs	µg/L		N/A	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)

Table F-5. Data Summary Table: Groundwater - Trip Blanks, Pelham Range, Fort McClellan, Anniston Alabama (Continued)

Site ID			OWH-G03		OWH-G04		OWH-S03		OWH-S03		OWH-S03
Field Sample Number			SAICTB94		SAICTB93		SAICTB04		SAICTB05		SAICTB41
Site Type			TRIP		TRIP		TRIP		TRIP		TRIP
Collection Date			4/28/95		4/28/95		6/21/94		6/22/94		6/21/94
Depth (ft)			0		0		0		0		0
Associated Field QC Sample - Site ID											
Associated Field QC Sample - Field Sample No.											
Associated Field QC Sample - Site ID											
Associated Field QC Sample - Field Sample No.											
VOLATILES/WATER (µg/L)											
Laboratory ID Number			UC01009		UC01005		N/A		N/A		UB04220
Parameter	Units	CRL									
1,1,1-Trichloroethane	µg/L	1	LT	1*	LT	1*	N/A		N/A	LT	1*
1,1,2-Trichloroethane	µg/L	1	LT	1*	LT	1*	N/A		N/A	LT	1*
1,1-Dichloroethene	µg/L	1	LT	1*	LT	1*	N/A		N/A	LT	1*
1,1-Dichloroethane	µg/L	1	LT	1*	LT	1*	N/A		N/A	LT	1*
1,2-Dichloroethene	µg/L	5	LT	5*	LT	5*	N/A		N/A	LT	5*
1,2-Dichloroethane	µg/L	1		4.42*		3.21*	N/A		N/A	LT	1*
1,2-Dichloropropane	µg/L	1	LT	1*	LT	1*	N/A		N/A	LT	1*
1,3-Dichlorobenzene	µg/L	1	LT	1*	LT	1*	N/A		N/A	LT	1*
1,3-Dichloropropane	µg/L	4.8	LT	4.8*	LT	4.8*	N/A		N/A	LT	4.8*
1,3-Dimethylbenzene	µg/L	1	LT	1*	LT	1*	N/A		N/A	LT	1*
2-Chloroethylvinyl Ether	µg/L	3.5	LT	3.5*	LT	3.5*	N/A		N/A	LT	3.5*
Acetone	µg/L	8		49.4*	LT	8*	N/A		N/A	LT	8*
Acrylonitrile	µg/L	8.4	LT	8.4*	LT	8.4*	N/A		N/A	LT	8.4*
Bromodichloromethane	µg/L	1	LT	1*	LT	1*	N/A		N/A	LT	1*
Chloroethane	µg/L	8	LT	8*	LT	8*	N/A		N/A	LT	8*
Benzene	µg/L	1	LT	1*	LT	1*	N/A		N/A	LT	1*
Trichlorofluoromethane	µg/L	1	LT	1*	LT	1*	N/A		N/A	LT	1*
Carbon Tetrachloride	µg/L	1	LT	1*	LT	1*	N/A		N/A	LT	1*
Methylene Chloride	µg/L	1	LT	1*	LT	1*	N/A		N/A		9.8*
Bromomethane	µg/L	14	LT	14*	LT	14*	N/A		N/A	LT	14*
Chloromethane	µg/L	1.2	LT	1.2*	LT	1.2*	N/A		N/A	LT	1.2*
Bromoform	µg/L	11	LT	11*	LT	11*	N/A		N/A	LT	11*
Chloroform	µg/L	1	LT	1*	LT	1*	N/A		N/A	LT	1*
Chlorobenzene	µg/L	1	LT	1*	LT	1*	N/A		N/A	LT	1*
Dibromochloromethane	µg/L	1	LT	1*	LT	1*	N/A		N/A	LT	1*
Ethylbenzene	µg/L	1	LT	1*	LT	1*	N/A		N/A	LT	1*
Toluene	µg/L	1	LT	1*	LT	1*	N/A		N/A	LT	1*
Methylethylketone	µg/L	10	LT	10*	LT	10*	N/A		N/A	LT	10*
Methylisobutylketone	µg/L	1.4	LT	1.4*	LT	1.4*	N/A		N/A	LT	1.4*
1,1,2,2-Tetrachloroethane	µg/L	1.5	LT	1.5*	LT	1.5*	N/A		N/A	LT	1.5*
Tetrachloroethene	µg/L	1	LT	1*	LT	1*	N/A		N/A	LT	1*
Trichloroethene	µg/L	1	LT	1*	LT	1*	N/A		N/A	LT	1*
1,2-Dimethylbenzene	µg/L	2	LT	2*	LT	2*	N/A		N/A	LT	2*
Vinyl Chloride	µg/L	1	LT	1*	LT	1*	LT 1*	LT	1*		N/A
TICs	µg/L			0 (0.0)		0 (0.0)	N/A		N/A		0 (0.0)

Table F-5. Data Summary Table: Groundwater - Trip Blanks, Pelham Range, Fort McClellan, Anniston Alabama (Continued)

Site ID			OWH-S03		OWH-S10		OWH-S10		RJ-G06		RJ-G06
Field Sample Number			SAICTB42		SAICTB07		SAICTB44		SAICTB83		SAICTB90
Site Type			TRIP		TRIP		TRIP		TRIP		TRIP
Collection Date			6/22/94		6/28/94		6/28/94		2/7/95		4/26/95
Depth (ft)			0		0		0		0		0
Associated Field QC Sample - Site ID											
Associated Field QC Sample - Field Sample No.											
Associated Field QC Sample - Site ID											
Associated Field QC Sample - Field Sample No.											
VOLATILES/WATER (µg/L)											
Laboratory ID Number			UB04279		N/A		UB04451		UC00474		UC00958
Parameter	Units	CRL									
1,1,1-Trichloroethane	µg/L	1	LT 1*		N/A	LT	1*		1.96*	LT	1*
1,1,2-Trichloroethane	µg/L	1	LT 1*		N/A	LT	1*	LT	1*	LT	1*
1,1-Dichloroethene	µg/L	1	LT 1*		N/A	LT	1*	LT	1*	LT	1*
1,1-Dichloroethane	µg/L	1	LT 1*		N/A	LT	1*	LT	1*	LT	1*
1,2-Dichloroethene	µg/L	5	LT 5*		N/A	LT	5*	LT	5*	LT	5*
1,2-Dichloroethane	µg/L	1	LT 1*		N/A	LT	1*	LT	1*	LT	1*
1,2-Dichloropropane	µg/L	1	LT 1*		N/A	LT	1*	LT	1*	LT	1*
1,3-Dichlorobenzene	µg/L	1	LT 1*		N/A	LT	1*	LT	1*	LT	1*
1,3-Dichloropropane	µg/L	4.8	LT 4.8*		N/A	LT	4.8*	LT	4.8*	LT	4.8*
1,3-Dimethylbenzene	µg/L	1	LT 1*		N/A	LT	1*	LT	1*	LT	1*
2-Chloroethylvinyl Ether	µg/L	3.5	LT 3.5*		N/A	LT	3.5*	LT	3.5*	LT	3.5*
Acetone	µg/L	8	LT 8*		N/A	LT	8*	LT	8*	LT	8*
Acrylonitrile	µg/L	8.4	LT 8.4*		N/A	LT	8.4*	LT	8.4*	LT	8.4*
Bromodichloromethane	µg/L	1	LT 1*		N/A	LT	1*	LT	1*	LT	1*
Chloroethane	µg/L	8	LT 8*		N/A	LT	8*	LT	8*	LT	8*
Benzene	µg/L	1	LT 1*		N/A	LT	1*	LT	1*	LT	1*
Trichlorofluoromethane	µg/L	1	LT 1*		N/A	LT	1*	LT	1*	LT	1*
Carbon Tetrachloride	µg/L	1	LT 1*		N/A	LT	1*	LT	1*	LT	1*
Methylene Chloride	µg/L	1	14.1*		N/A		13.1*		3.43*	LT	1*
Bromomethane	µg/L	14	LT 14*		N/A	LT	14*	LT	14*	LT	14*
Chloromethane	µg/L	1.2	LT 1.2*		N/A	LT	1.2*	LT	1.2*	LT	1.2*
Bromoform	µg/L	11	LT 11*		N/A	LT	11*	LT	11*	LT	11*
Chloroform	µg/L	1	LT 1*		N/A	LT	1*	LT	1*	LT	1*
Chlorobenzene	µg/L	1	LT 1*		N/A	LT	1*	LT	1*	LT	1*
Dibromochloromethane	µg/L	1	LT 1*		N/A	LT	1*	LT	1*	LT	1*
Ethylbenzene	µg/L	1	LT 1*		N/A	LT	1*	LT	1*	LT	1*
Toluene	µg/L	1	LT 1*		N/A	LT	1*	LT	1*	LT	1*
Methylethylketone	µg/L	10	LT 10*		N/A	LT	10*	LT	10*	LT	10*
Methylisobutylketone	µg/L	1.4	LT 1.4*		N/A	LT	1.4*	LT	1.4*	LT	1.4*
1,1,2,2-Tetrachloroethane	µg/L	1.5	LT 1.5*		N/A	LT	1.5*	LT	1.5*	LT	1.5*
Tetrachloroethene	µg/L	1	LT 1*		N/A	LT	1*	LT	1*	LT	1*
Trichloroethene	µg/L	1	LT 1*		N/A	LT	1*	LT	1*	LT	1*
1,2-Dimethylbenzene	µg/L	2	LT 2*		N/A	LT	2*	LT	2*	LT	2*
Vinyl Chloride	µg/L	1	N/A	LT	1*		N/A	LT	1*	LT	1*
TICs	µg/L		0 (0.0)		N/A		0 (0.0)		0 (0.0)		0 (0.0)

Table F-5. Data Summary Table: Groundwater - Trip Blanks, Pelham Range, Fort McClellan, Anniston Alabama (Continued)

Site ID			RJ-G07	RL-D01	RL-G02	RL-G02	RL-G04
Field Sample Number			SAICTB97	SAICTB31	SAICTB81	SAICTB88	SAICTB89
Site Type			TRIP	TRIP	TRIP	TRIP	TRIP
Collection Date			5/1/95	6/15/94	2/6/95	4/25/95	4/26/95
Depth (ft)			0	0	0	0	0
Associated Field QC Sample - Site ID							
Associated Field QC Sample - Field Sample No.							
Associated Field QC Sample - Site ID							
Associated Field QC Sample - Field Sample No.							
VOLATILES/WATER (µg/L)							
Laboratory ID Number				UB04030	UC00472		UC00961
Parameter	Units	CRL					
1,1,1-Trichloroethane	µg/L	1		LT 1*	LT 1*		LT 1*
1,1,2-Trichloroethane	µg/L	1		LT 1*	LT 1*		LT 1*
1,1-Dichloroethene	µg/L	1		LT 1*	LT 1*		LT 1*
1,1-Dichloroethane	µg/L	1		LT 1*	LT 1*		LT 1*
1,2-Dichloroethene	µg/L	5		LT 5*	LT 5*		LT 5*
1,2-Dichloroethane	µg/L	1		LT 1*	LT 1*		LT 1*
1,2-Dichloropropane	µg/L	1		LT 1*	LT 1*		LT 1*
1,3-Dichlorobenzene	µg/L	1		LT 1*	LT 1*		LT 1*
1,3-Dichloropropane	µg/L	4.8		LT 4.8*	LT 4.8*		LT 4.8*
1,3-Dimethylbenzene	µg/L	1		LT 1*	LT 1*		LT 1*
2-Chloroethylvinyl Ether	µg/L	3.5		LT 3.5*	LT 3.5*		LT 3.5*
Acetone	µg/L	8		LT 8*	LT 8*		29.6*
Acrylonitrile	µg/L	8.4		LT 8.4*	LT 8.4*		LT 8.4*
Bromodichloromethane	µg/L	1		LT 1*	LT 1*		LT 1*
Chloroethane	µg/L	8		LT 8*	LT 8*		LT 8*
Benzene	µg/L	1		LT 1*	LT 1*		LT 1*
Trichlorofluoromethane	µg/L	1		LT 1*	LT 1*		LT 1*
Carbon Tetrachloride	µg/L	1		LT 1*	LT 1*		LT 1*
Methylene Chloride	µg/L	1		LT 1*	4.04*		4.65*
Bromomethane	µg/L	14		LT 14*	LT 14*		LT 14*
Chloromethane	µg/L	1.2		LT 1.2*	LT 1.2*		LT 1.2*
Bromoform	µg/L	11		LT 11*	LT 11*		LT 11*
Chloroform	µg/L	1		LT 1*	LT 1*		LT 1*
Chlorobenzene	µg/L	1		LT 1*	LT 1*		LT 1*
Dibromochloromethane	µg/L	1		LT 1*	LT 1*		LT 1*
Ethylbenzene	µg/L	1		LT 1*	LT 1*		LT 1*
Toluene	µg/L	1		LT 1*	LT 1*		LT 1*
Methylethylketone	µg/L	10		LT 10*	LT 10*		LT 10*
Methylisobutylketone	µg/L	1.4		LT 1.4*	LT 1.4*		LT 1.4*
1,1,2,2-Tetrachloroethane	µg/L	1.5		LT 1.5*	LT 1.5*		LT 1.5*
Tetrachloroethene	µg/L	1		LT 1*	LT 1*		LT 1*
Trichloroethene	µg/L	1		LT 1*	LT 1*		LT 1*
1,2-Dimethylbenzene	µg/L	2		LT 2*	LT 2*		LT 2*
Vinyl Chloride	µg/L	1		N/A	LT 1*		LT 1*
TICs	µg/L		0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)

Table F-5. Data Summary Table: Groundwater - Trip Blanks, Pelham Range, Fort McClellan, Anniston Alabama (Continued)

Site ID			RL-S01		RL-S02		RL-S03		RL-S03		RL-S03
Field Sample Number			SAICTB29		SAICTB35		SAICTB32		SAICTB33		SAICTB34
Site Type			TRIP		TRIP		TRIP		TRIP		TRIP
Collection Date			6/10/94		6/16/94		6/15/94		6/16/94		6/16/94
Depth (ft)			0		0		0		0		0
Associated Field QC Sample - Site ID											
Associated Field QC Sample - Field Sample No.											
Associated Field QC Sample - Site ID											
Associated Field QC Sample - Field Sample No.											
VOLATILES/WATER (µg/L)											
Laboratory ID Number			UB03833		N/A		UB04032		UB04066		N/A
Parameter	Units	CRL									
1,1,1-Trichloroethane	µg/L	1	LT 1*		N/A	LT 1*		LT 1*			N/A
1,1,2-Trichloroethane	µg/L	1	LT 1*		N/A	LT 1*		LT 1*			N/A
1,1-Dichloroethene	µg/L	1	LT 1*		N/A	LT 1*		LT 1*			N/A
1,1-Dichloroethane	µg/L	1	LT 1*		N/A	LT 1*		LT 1*			N/A
1,2-Dichloroethene	µg/L	5	LT 5*		N/A	LT 5*		LT 5*			N/A
1,2-Dichloroethane	µg/L	1	LT 1*		N/A	LT 1*		LT 1*			N/A
1,2-Dichloropropane	µg/L	1	LT 1*		N/A	LT 1*		LT 1*			N/A
1,3-Dichlorobenzene	µg/L	1	LT 1*		N/A	LT 1*		LT 1*			N/A
1,3-Dichloropropane	µg/L	4.8	LT 4.8*		N/A	LT 4.8*		LT 4.8*			N/A
1,3-Dimethylbenzene	µg/L	1	LT 1*		N/A	LT 1*		LT 1*			N/A
2-Chloroethylvinyl Ether	µg/L	3.5	LT 3.5*		N/A	LT 3.5*		LT 3.5*			N/A
Acetone	µg/L	8	LT 8*		N/A	LT 8*		LT 8*			N/A
Acrylonitrile	µg/L	8.4	LT 8.4*		N/A	LT 8.4*		LT 8.4*			N/A
Bromodichloromethane	µg/L	1	LT 1*		N/A	LT 1*		LT 1*			N/A
Chloroethane	µg/L	8	LT 8*		N/A	LT 8*		LT 8*			N/A
Benzene	µg/L	1	LT 1*		N/A	LT 1*		LT 1*			N/A
Trichlorofluoromethane	µg/L	1	LT 1*		N/A	LT 1*		LT 1*			N/A
Carbon Tetrachloride	µg/L	1	LT 1*		N/A	LT 1*		LT 1*			N/A
Methylene Chloride	µg/L	1	11.1*		N/A	LT 1*		3.13*			N/A
Bromomethane	µg/L	14	LT 14*		N/A	LT 14*		LT 14*			N/A
Chloromethane	µg/L	1.2	LT 1.2*		N/A	LT 1.2*		LT 1.2*			N/A
Bromoform	µg/L	11	LT 11*		N/A	LT 11*		LT 11*			N/A
Chloroform	µg/L	1	LT 1*		N/A	LT 1*		LT 1*			N/A
Chlorobenzene	µg/L	1	LT 1*		N/A	LT 1*		LT 1*			N/A
Dibromochloromethane	µg/L	1	LT 1*		N/A	LT 1*		LT 1*			N/A
Ethylbenzene	µg/L	1	LT 1*		N/A	LT 1*		LT 1*			N/A
Toluene	µg/L	1	LT 1*		N/A	LT 1*		LT 1*			N/A
Methylethylketone	µg/L	10	LT 10*		N/A	LT 10*		LT 10*			N/A
Methylisobutylketone	µg/L	1.4	LT 1.4*		N/A	LT 1.4*		LT 1.4*			N/A
1,1,2,2-Tetrachloroethane	µg/L	1.5	LT 1.5*		N/A	LT 1.5*		LT 1.5*			N/A
Tetrachloroethene	µg/L	1	LT 1*		N/A	LT 1*		LT 1*			N/A
Trichloroethene	µg/L	1	LT 1*		N/A	LT 1*		LT 1*			N/A
1,2-Dimethylbenzene	µg/L	2	LT 2*		N/A	LT 2*		LT 2*			N/A
Vinyl Chloride	µg/L	1	N/A		N/A	N/A		N/A			N/A
TICs	µg/L		0 (0.0)		N/A	0 (0.0)		0 (0.0)			N/A

Table F-5. Data Summary Table: Groundwater - Trip Blanks, Pelham Range, Fort McClellan, Anniston Alabama (Continued)

Site ID				RL-S04		RL-S04		RL-W02
Field Sample Number				SAICTB08		SAICTB45		SAICTB68
Site Type				TRIP		TRIP		TRIP
Collection Date				6/30/94		6/30/94		12/6/94
Depth (ft)				0		0		0
Associated Field QC Sample - Site ID								
Associated Field QC Sample - Field Sample No.								
Associated Field QC Sample - Site ID								
Associated Field QC Sample - Field Sample No.								
VOLATILES/WATER (µg/L)								
Laboratory ID Number				N/A		UB04479		UB06409
Parameter	Units	CRL						
1,1,1-Trichloroethane	µg/L	1		N/A	LT	1*		7.25*
1,1,2-Trichloroethane	µg/L	1		N/A	LT	1*	LT	1*
1,1-Dichloroethene	µg/L	1		N/A	LT	1*	LT	1*
1,1-Dichloroethane	µg/L	1		N/A	LT	1*	LT	1*
1,2-Dichloroethene	µg/L	5		N/A	LT	5*	LT	5*
1,2-Dichloroethane	µg/L	1		N/A	LT	1*	LT	1*
1,2-Dichloropropane	µg/L	1		N/A	LT	1*	LT	1*
1,3-Dichlorobenzene	µg/L	1		N/A	LT	1*	LT	1*
1,3-Dichloropropane	µg/L	4.8		N/A	LT	4.8*	LT	4.8*
1,3-Dimethylbenzene	µg/L	1		N/A	LT	1*	LT	1*
2-Chloroethylvinyl Ether	µg/L	3.5		N/A	LT	3.5*	LT	3.5*
Acetone	µg/L	8		N/A	LT	8*	LT	8*
Acrylonitrile	µg/L	8.4		N/A	LT	8.4*	LT	8.4*
Bromodichloromethane	µg/L	1		N/A	LT	1*	LT	1*
Chloroethene	µg/L	8		N/A	LT	8*	LT	8*
Benzene	µg/L	1		N/A	LT	1*	LT	1*
Trichlorofluoromethane	µg/L	1		N/A	LT	1*	LT	1*
Carbon Tetrachloride	µg/L	1		N/A	LT	1*	LT	1*
Methylene Chloride	µg/L	1		N/A		13.1*		11.1*
Bromomethane	µg/L	14		N/A	LT	14*	LT	14*
Chloromethane	µg/L	1.2		N/A	LT	1.2*	LT	1.2*
Bromoform	µg/L	11		N/A	LT	11*	LT	11*
Chloroform	µg/L	1		N/A	LT	1*	LT	1*
Chlorobenzene	µg/L	1		N/A	LT	1*	LT	1*
Dibromochloromethane	µg/L	1		N/A	LT	1*	LT	1*
Ethylbenzene	µg/L	1		N/A	LT	1*	LT	1*
Toluene	µg/L	1		N/A	LT	1*	LT	1*
Methylethylketone	µg/L	10		N/A	LT	10*	LT	10*
Methylisobutylketone	µg/L	1.4		N/A	LT	1.4*	LT	1.4*
1,1,2,2-Tetrachloroethane	µg/L	1.5		N/A	LT	1.5*	LT	1.5*
Tetrachloroethene	µg/L	1		N/A	LT	1*	LT	1*
Trichloroethene	µg/L	1		N/A	LT	1*	LT	1*
1,2-Dimethylbenzene	µg/L	2		N/A	LT	2*	LT	2*
Vinyl Chloride	µg/L	1	LT	1*		N/A	LT	1*
TICs	µg/L			N/A		0 (0.0)		0 (0.0)

Table F-6. Data Summary Table: Groundwater - Equipment Rinsates, Fort McClellan, Anniston Alabama

Site ID			BK-BAIL	BK-BAIL	BK-D02	BK-S02	DIA-S03
Field Sample Number			SAICRB42	SAICRB43	SAICRB36	SAICRB01	SAICRB20
Site Type			RNSW	RNSW	RNSW	RNSW	RNSW
Collection Date			7/12/94	7/22/94	6/20/94	4/12/94	5/16/94
Depth (ft)			0	0	0	0	0
Associated Field QC Sample - Site ID						N/A	N/A
Associated Field QC Sample - Field Sample No.						N/A	N/A
Associated Field QC Sample - Site ID						N/A	N/A
Associated Field QC Sample - Field Sample No.						N/A	N/A
METALS/WATER (µg/L)							
Laboratory ID Number			N/A	N/A	N/A	N/A	N/A
Parameter	Units	CRL					
Antimony	µg/L	3	N/A	N/A	N/A	N/A	N/A
Arsenic	µg/L	2.35	N/A	N/A	N/A	N/A	N/A
Lead	µg/L	4.47	N/A	N/A	N/A	N/A	N/A
Selenium	µg/L	2.53	N/A	N/A	N/A	N/A	N/A
Thallium	µg/L	1	N/A	N/A	N/A	N/A	N/A
Mercury	µg/L	0.1	N/A	N/A	N/A	N/A	N/A
Silver	µg/L	10	N/A	N/A	N/A	N/A	N/A
Aluminum	µg/L	112	N/A	N/A	N/A	N/A	N/A
Boron	µg/L	230	N/A	N/A	N/A	N/A	N/A
Barium	µg/L	2.82	N/A	N/A	N/A	N/A	N/A
Beryllium	µg/L	1.12	N/A	N/A	N/A	N/A	N/A
Cadmium	µg/L	4	N/A	N/A	N/A	N/A	N/A
Calcium	µg/L	105	N/A	N/A	N/A	N/A	N/A
Cobalt	µg/L	25	N/A	N/A	N/A	N/A	N/A
Copper	µg/L	18.8	N/A	N/A	N/A	N/A	N/A
Chromium	µg/L	16.8	N/A	N/A	N/A	N/A	N/A
Iron	µg/L	77.5	N/A	N/A	N/A	N/A	N/A
Potassium	µg/L	1240	N/A	N/A	N/A	N/A	N/A
Magnesium	µg/L	135	N/A	N/A	N/A	N/A	N/A
Manganese	µg/L	9.67	N/A	N/A	N/A	N/A	N/A
Molybdenum	µg/L	62.7	N/A	N/A	N/A	N/A	N/A
Sodium	µg/L	279	N/A	N/A	N/A	N/A	N/A
Nickel	µg/L	32.1	N/A	N/A	N/A	N/A	N/A
Tin	µg/L	59.9	N/A	N/A	N/A	N/A	N/A
Tellurium	µg/L	118	N/A	N/A	N/A	N/A	N/A
Vanadium	µg/L	27.6	N/A	N/A	N/A	N/A	N/A
Zinc	µg/L	18	N/A	N/A	N/A	N/A	N/A
VOLATILES/WATER (µg/L)							
Laboratory ID Number			UB04789	UB05237	UB04178	UB01918	N/A
Parameter	Units	CRL					
1,1,1-Trichloroethane	µg/L	1	LT 1**	LT 1**	LT 1**	LT 1**	N/A
1,1,2-Trichloroethane	µg/L	1	LT 1**	LT 1**	LT 1**	LT 1**	N/A
1,1-Dichloroethene	µg/L	1	LT 1**	LT 1**	LT 1**	LT 1**	N/A
1,1-Dichloroethane	µg/L	1	LT 1**	LT 1**	LT 1**	LT 1**	N/A
1,2-Dichloroethene	µg/L	5	LT 5**	LT 5**	LT 5**	LT 5**	N/A
1,2-Dichloroethane	µg/L	1	LT 1**	LT 1**	LT 1**	LT 1**	N/A
1,2-Dichloropropane	µg/L	1	LT 1**	LT 1**	LT 1**	LT 1**	N/A
1,3-Dichlorobenzene	µg/L	1	LT 1**	LT 1**	LT 1**	LT 1**	N/A

Table F-6. Data Summary Table: Groundwater - Equipment Rinsates, Fort McClellan, Anniston Alabama (Continued)

Site ID				BK-BAIL		BK-BAIL		BK-D02		BK-S02		DIA-S03
Field Sample Number				SAICRB42		SAICRB43		SAICRB36		SAICRB01		SAICRB20
Site Type				RNSW		RNSW		RNSW		RNSW		RNSW
Collection Date				7/12/94		7/22/94		6/20/94		4/12/94		5/16/94
Depth (ft)				0		0		0		0		0
Associated Field QC Sample - Site ID										N/A		N/A
Associated Field QC Sample - Field Sample No.										N/A		N/A
Associated Field QC Sample - Site ID										N/A		N/A
Associated Field QC Sample - Field Sample No.										N/A		N/A
1,3-Dichloropropane	µg/L	4.8	LT	4.8**	LT	4.8**	LT	4.8**	LT	4.8**		N/A
1,3-Dimethylbenzene	µg/L	1	LT	1**	LT	1**	LT	1**	LT	1**		N/A
2-Chloroethylvinyl Ether	µg/L	3.5	LT	3.5**	LT	3.5**	LT	3.5**	LT	3.5**		N/A
Acetone	µg/L	8	LT	8**	LT	8**	LT	8**	LT	8**		N/A
Acrylonitrile	µg/L	8.4	LT	8.4**	LT	8.4**	LT	8.4**	LT	8.4**		N/A
Bromodichloromethane	µg/L	1	LT	1**	LT	1**	LT	1**	LT	1**		N/A
Chloroethane	µg/L	8	LT	8**	LT	8**	LT	8**	LT	8**		N/A
Benzene	µg/L	1	LT	1**	LT	1**	LT	1**	LT	1**		N/A
Trichlorofluoromethane	µg/L	1	LT	1**	LT	1**	LT	1**	LT	1**		N/A
Carbon Tetrachloride	µg/L	1	LT	1**	LT	1**	LT	1**	LT	1**		N/A
Methylene Chloride	µg/L	1	LT	1**	LT	1**	LT	1**	LT	1**		N/A
Bromomethane	µg/L	14	LT	14**	LT	14**	LT	14**	LT	14**		N/A
Chloromethane	µg/L	1.2	LT	1.2**	LT	1.2**	LT	1.2**	LT	1.2**		N/A
Bromoform	µg/L	11	LT	11**	LT	11**	LT	11**	LT	11**		N/A
Chloroform	µg/L	1		5.1**	LT	1**		5.6**	LT	1**		N/A
Chlorobenzene	µg/L	1	LT	1**	LT	1**	LT	1**	LT	1**		N/A
Dibromochloromethane	µg/L	1	LT	1**	LT	1**	LT	1**	LT	1**		N/A
Ethylbenzene	µg/L	1	LT	1**	LT	1**	LT	1**	LT	1**		N/A
Toluene	µg/L	1	LT	1**	LT	1**	LT	1**	LT	1**		N/A
Methylethylketone	µg/L	10	LT	10**	LT	10**	LT	10**	LT	10**		N/A
Methylisobutylketone	µg/L	1.4		2.8**	LT	1.4**	LT	1.4**	LT	1.4**		N/A
1,1,2,2-Tetrachloroethane	µg/L	1.5	LT	1.5**	LT	1.5**	LT	1.5**	LT	1.5**		N/A
Tetrachloroethene	µg/L	1	LT	1**	LT	1**	LT	1**	LT	1**		N/A
Trichloroethene	µg/L	1	LT	1**	LT	1**	LT	1**	LT	1**		N/A
1,2-Dimethylbenzene	µg/L	2	LT	2**	LT	2**	LT	2**	LT	2**		N/A
Vinyl Chloride	µg/L	1	LT	1**	LT	1**	LT	1**	LT	1**		N/A
TICs	µg/L			0 (0.0)		0 (0.0)		0 (0.0)		0 (0.0)		N/A

SEMIVOLATILES/WATER (µg/L)

Laboratory ID Number				UB04789		UB05237		UB04178		UB01918		N/A
Parameter	Units	CRL										
1,2,3-Trichlorobenzene	µg/L	5.8	LT	5.8**	LT	5.8**	LT	5.8**	LT	5.8**		N/A
1,2,4-Trichlorobenzene	µg/L	2.4	LT	2.4**	LT	2.4**	LT	2.4**	LT	2.4**		N/A
1,2-Dichlorobenzene	µg/L	1.2	LT	1.2**	LT	1.2**	LT	1.2**	LT	1.2**		N/A
1,2-Diphenylhydrazine	µg/L	13	LT	13**	LT	13**	LT	13**	LT	13**		N/A
1,3-Dichlorobenzene	µg/L	3.4	LT	3.4**	LT	3.4**	LT	3.4**	LT	3.4**		N/A
1,4-Dichlorobenzene	µg/L	1.5	LT	1.5**	LT	1.5**	LT	1.5**	LT	1.5**		N/A
2,3,6-Trichlorophenol	µg/L	1.7	LT	1.7**	LT	1.7**	LT	1.7**	LT	1.7**		N/A
2,4,5-Trichlorophenol	µg/L	2.8	LT	2.8**	LT	2.8**	LT	2.8**	LT	2.8**		N/A
2,4,6-Trichlorophenol	µg/L	3.6	LT	3.6**	LT	3.6**	LT	3.6**	LT	3.6**		N/A
2,4-Dichlorophenol	µg/L	8.4	LT	8.4**	LT	8.4**	LT	8.4**	LT	8.4**		N/A
2,4-Dimethylphenol	µg/L	4.4	LT	4.4**	LT	4.4**	LT	4.4**	LT	4.4**		N/A
2,4-Dinitrophenol	µg/L	178	LT	180**	LT	180**	LT	180**	LT	180**		N/A

Table F-6. Data Summary Table: Groundwater - Equipment Rinsates, Fort McClellan, Anniston Alabama (Continued)

Site ID				BK-BAIL		BK-BAIL		BK-D02		BK-S02	DIA-S03
Field Sample Number				SAICRB42		SAICRB43		SAICRB36		SAICRB01	SAICRB20
Site Type				RNSW		RNSW		RNSW		RNSW	RNSW
Collection Date				7/12/94		7/22/94		6/20/94		4/12/94	5/16/94
Depth (ft)				0		0		0		0	0
Associated Field QC Sample - Site ID										N/A	N/A
Associated Field QC Sample - Field Sample No.										N/A	N/A
Associated Field QC Sample - Site ID										N/A	N/A
Associated Field QC Sample - Field Sample No.										N/A	N/A
2,6-Dinitroaniline	µg/L	6.8	LT	6.8**	LT	6.8**	LT	6.8**	LT	6.8**	N/A
2-Chlorophenol	µg/L	2.6	LT	2.6**	LT	2.6**	LT	2.6**	LT	2.6**	N/A
2-Chloronaphthalene	µg/L	2.6	LT	2.6**	LT	2.6**	LT	2.6**	LT	2.6**	N/A
2-Methylnaphthalene	µg/L	1.3	LT	1.3**	LT	1.3**	LT	1.3**	LT	1.3**	N/A
2-Methyl Phenol	µg/L	3.6	LT	3.6**	LT	3.6**	LT	3.6**	LT	3.6**	N/A
2-Nitrophenol	µg/L	6.2	LT	6.2**	LT	6.2**	LT	6.2**	LT	6.2**	N/A
3,3'-Dichlorobenzidine	µg/L	5	LT	5**	LT	5**	LT	5**	LT	5**	N/A
3,5-Dinitro-aniline	µg/L	21	LT	21**	LT	21**	LT	21**	LT	21**	N/A
3-Nitroaniline	µg/L	15	LT	15**	LT	15**	LT	15**	LT	15**	N/A
3-Nitrotoluene	µg/L	2.9	LT	2.9**	LT	2.9**	LT	2.9**	LT	2.9**	N/A
4-Bromophenyl Phenyl Ether	µg/L	22	LT	22**	LT	22**	LT	22**	LT	22**	N/A
4-Chloro-3-methylphenol	µg/L	8.5	LT	8.5**	LT	8.5**	LT	8.5**	LT	8.5**	N/A
4-Chlorophenyl Phenyl Ether	µg/L	23	LT	23**	LT	23**	LT	23**	LT	23**	N/A
4-Methyl Phenol	µg/L	2.8	LT	2.8**	LT	2.8**	LT	2.8**	LT	2.8**	N/A
4-Nitrophenol	µg/L	96	LT	96**	LT	96**	LT	96**	LT	96**	N/A
Acenaphthene	µg/L	5.8	LT	5.8**	LT	5.8**	LT	5.8**	LT	5.8**	N/A
Acenaphthylene	µg/L	5.1	LT	5.1**	LT	5.1**	LT	5.1**	LT	5.1**	N/A
Anthracene	µg/L	5.2	LT	5.2**	LT	5.2**	LT	5.2**	LT	5.2**	N/A
Atrazine	µg/L	5.9	LT	5.9**	LT	5.9**	LT	5.9**	LT	5.9**	N/A
bis(2-Chloroethoxy) Methane	µg/L	6.8	LT	6.8**	LT	6.8**	LT	6.8**	LT	6.8**	N/A
bis(2-Chloroisopropyl) Ether	µg/L	5	LT	5**	LT	5**	LT	5**	LT	5**	N/A
bis(2-Chloroethyl)ether	µg/L	0.68	LT	0.68**	LT	0.68**	LT	0.68**	LT	0.68**	N/A
bis(2-Ethylhexyl)phthalate	µg/L	7.7	LT	7.7**	LT	7.7**	LT	7.7**	LT	7.7**	N/A
Butyl Benzyl Phthalate	µg/L	28	LT	28**	LT	28**	LT	28**	LT	28**	N/A
Benzo(g,h,i)perylene	µg/L	15	LT	15**	LT	15**	LT	15**	LT	15**	N/A
Bromacil	µg/L	2.9	LT	2.9**	LT	2.9**	LT	2.9**	LT	2.9**	N/A
Benzyl Alcohol	µg/L	4	LT	4**	LT	4**	LT	4**	LT	4**	N/A
Hexachloroethane	µg/L	8.3	LT	8.3**	LT	8.3**	LT	8.3**	LT	8.3**	N/A
Dibromochloropropane	µg/L	12	LT	12**	LT	12**	LT	12**	LT	12**	N/A
Dibenzofuran	µg/L	5.1	LT	5.1**	LT	5.1**	LT	5.1**	LT	5.1**	N/A
Dicyclopentadiene	µg/L	5.5	LT	5.5**	LT	5.5**	LT	5.5**	LT	5.5**	N/A
Vapona	µg/L	8.5	LT	8.5**	LT	8.5**	LT	8.5**	LT	8.5**	N/A
Diethyl Phthalate	µg/L	5.9	LT	5.9**	LT	5.9**	LT	5.9**	LT	5.9**	N/A
Dimethyl Phthalate	µg/L	2.2	LT	2.2**	LT	2.2**	LT	2.2**	LT	2.2**	N/A
di-N-Butyl Phthalate	µg/L	33	LT	33**	LT	33**	LT	33**	LT	33**	N/A
di-N-Octyl Phthalate	µg/L	1.5	LT	1.5**	LT	1.5**	LT	1.5**	LT	1.5**	N/A
Endosulfan Sulfate	µg/L	50	LT	50**	LT	50**	LT	50**	LT	50**	N/A
Fluoranthene	µg/L	24	LT	24**	LT	24**	LT	24**	LT	24**	N/A
Fluorene	µg/L	9.2	LT	9.2**	LT	9.2**	LT	9.2**	LT	9.2**	N/A
Hexachlorobutadiene	µg/L	8.7	LT	8.7**	LT	8.7**	LT	8.7**	LT	8.7**	N/A
Isophorone	µg/L	2.4	LT	2.4**	LT	2.4**	LT	2.4**	LT	2.4**	N/A
Mirex	µg/L	24	LT	24**	LT	24**	LT	24**	LT	24**	N/A
Malathion	µg/L	21	LT	21**	LT	21**	LT	21**	LT	21**	N/A
Naphthalene	µg/L	0.5	LT	0.5**	LT	0.5**	LT	0.5**	LT	0.5**	N/A

Table F-6. Data Summary Table: Groundwater - Equipment Rinsates, Fort McClellan, Anniston Alabama (Continued)

Site ID				BK-BAIL		BK-BAIL		BK-D02		BK-S02		DIA-S03
Field Sample Number				SAICRB42		SAICRB43		SAICRB36		SAICRB01		SAICRB20
Site Type				RNSW		RNSW		RNSW		RNSW		RNSW
Collection Date				7/12/94		7/22/94		6/20/94		4/12/94		5/16/94
Depth (ft)				0		0		0		0		0
Associated Field QC Sample - Site ID										N/A		N/A
Associated Field QC Sample - Field Sample No.										N/A		N/A
Associated Field QC Sample - Site ID										N/A		N/A
Associated Field QC Sample - Field Sample No.										N/A		N/A
Nitrobenzene	µg/L	3.7	LT	3.7**	LT	3.7**	LT	3.7**	LT	3.7**		N/A
N-Nitrosodimethylamine	µg/L	9.7	LT	9.7**	LT	9.7**	LT	9.7**	LT	9.7**		N/A
N-Nitroso-di-N-propylamine	µg/L	6.8	LT	6.8**	LT	6.8**	LT	6.8**	LT	6.8**		N/A
N-Nitrosodiphenylamine	µg/L	3.7	LT	3.7**	LT	3.7**	LT	3.7**	LT	3.7**		N/A
Phenanthrene	µg/L	9.9	LT	9.9**	LT	9.9**	LT	9.9**	LT	9.9**		N/A
Phenol	µg/L	2.2	LT	2.2**	LT	2.2**	LT	2.2**	LT	2.2**		N/A
Parathion	µg/L	37	LT	37**	LT	37**	LT	37**	LT	37**		N/A
Pyrene	µg/L	17	LT	17**	LT	17**	LT	17**	LT	17**		N/A
Supona	µg/L	19	LT	19**	LT	19**	LT	19**	LT	19**		N/A
Pentachlorophenol	µg/L	1	LT	1**	LT	1**	LT	1**	LT	1**		N/A
Benzo(a)pyrene	µg/L	0.2	LT	0.021**	LT	0.021**	LT	0.021**	LT	0.025**		N/A
Benzo(b)fluoranthene	µg/L	0.2	LT	0.04**	LT	0.04**	LT	0.04**	LT	0.04**		N/A
Benzo(k)fluoranthene	µg/L	0.2	LT	0.019**	LT	0.019**	LT	0.019**	LT	0.019**		N/A
Chrysene	µg/L	0.2	LT	0.02**	LT	0.02**	LT	0.02**	LT	0.02**		N/A
Dibenzo(a,h)anthracene	µg/L	0.3	LT	0.04**	LT	0.04**	LT	0.04**	LT	0.04**		N/A
Indeno(1,2,3-cd)pyrene	µg/L	0.4	LT	0.02**	LT	0.02**	LT	0.02**	LT	0.02**		N/A
Benzo(a)anthracene	µg/L	0.1	LT	0.02**	LT	0.02**	LT	0.02**	LT	0.02**		N/A
TICs	µg/L			0 (0.0)		1 (6.0)		0 (0.0)		3 (130.0)		N/A

PESTICIDES/WATER/GCEC (µg/L)

Laboratory ID Number				UB04789		UB05237		UB04178		UB01918		N/A
Parameter	Units	CRL										
alpha-BHC	µg/L	0.0025	LT	0.0025**	LT	0.0025**		LT	0.0025**	LT	0.0025**	N/A
Endosulfan I	µg/L	0.0025	LT	0.0025**	LT	0.0025**	N	LT	0.0025**	LT	0.0025**	N/A
Aldrin	µg/L	0.0074	LT	0.0074**	LT	0.0074**		LT	0.0074**	LT	0.0074**	N/A
beta-BHC	µg/L	0.0099	LT	0.0099**	LT	0.0099**		LT	0.0099**	LT	0.0099**	N/A
Endosulfan II	µg/L	0.0077	LT	0.0077**	LT	0.0077**		LT	0.0077**	LT	0.0077**	N/A
Chlordane	µg/L	0.0312	LT	0.0312**	LT	0.0312**		LT	0.0312**	LT	0.0312**	N/A
delta-BHC	µg/L	0.0034	LT	0.0034**	LT	0.0034**		LT	0.0034**	LT	0.0034**	N/A
Dieldrin	µg/L	0.0074	LT	0.0074**	LT	0.0074**		LT	0.0074**	LT	0.0074**	N/A
Endrin	µg/L	0.0176	LT	0.0176**	LT	0.0176**		LT	0.0176**	LT	0.0176**	N/A
Endrin Aldehyde	µg/L	0.0504	LT	0.0504**	LT	0.0504**		LT	0.0504**	LT	0.0504**	N/A
Heptachlor	µg/L	0.0025	LT	0.0025**	LT	0.0025**	N	LT	0.0025**	LT	0.0025**	N/A
Heptachlor Epoxide	µg/L	0.0063	LT	0.0063**	LT	0.0063**		LT	0.0063**	LT	0.0063**	N/A
Isodrin	µg/L	0.0025	LT	0.0025**	LT	0.0025**		LT	0.0025**	LT	0.0025**	N/A
Lindane	µg/L	0.0025	LT	0.0025**	LT	0.0025**		LT	0.0025**	LT	0.0025**	N/A
Methoxychlor	µg/L	0.075	LT	0.075**	LT	0.075**		LT	0.075**	LT	0.075**	N/A
PCB-1016	µg/L	0.385	LT	0.385**	LT	0.385**		LT	0.385**	LT	0.385**	N/A
PCB-1260	µg/L	0.176	LT	0.176**	LT	0.176**		LT	0.176**	LT	0.176**	N/A
4,4'-DDD	µg/L	0.0081	LT	0.0081**	LT	0.0081**		LT	0.0081**	LT	0.0081**	N/A
4,4'-DDE	µg/L	0.0039	LT	0.0039**	LT	0.0039**		LT	0.0039**	LT	0.0039**	N/A
4,4'-DDT	µg/L	0.0025	LT	0.0025**	LT	0.0025**		LT	0.0025**	LT	0.0025**	N/A
Toxaphene	µg/L	1.64	LT	1.64**	LT	1.64**		LT	1.64**	LT	1.64**	N/A

Table F-6. Data Summary Table: Groundwater - Equipment Rinsates, Fort McClellan, Anniston Alabama (Continued)

Site ID			BK-BAIL		BK-BAIL		BK-D02		BK-S02		DIA-S03
Field Sample Number			SAICRB42		SAICRB43		SAICRB36		SAICRB01		SAICRB20
Site Type			RNSW		RNSW		RNSW		RNSW		RNSW
Collection Date			7/12/94		7/22/94		6/20/94		4/12/94		5/16/94
Depth (ft)			0		0		0		0		0
Associated Field QC Sample - Site ID									N/A		N/A
Associated Field QC Sample - Field Sample No.									N/A		N/A
Associated Field QC Sample - Site ID									N/A		N/A
Associated Field QC Sample - Field Sample No.									N/A		N/A
EXPLOSIVES/WATER/HPLC (µg/L)											
Laboratory ID Number			UB04789		UB05237		UB04178		UB01918		N/A
Parameter	Units	CRL									
1,3,5-Trinitrobenzene	µg/L	0.21	LT 0.21**	LT 0.21**		LT 0.21**		LT 0.21**			N/A
1,3-Dinitrobenzene	µg/L	0.458	LT 1.01** K	LT 0.458**		LT 0.458**		LT 0.458**			N/A
2,4,6-Trinitrotoluene	µg/L	0.426	LT 0.426**	LT 0.426**		LT 0.426**		LT 0.426**			N/A
2,4-Dinitrotoluene	µg/L	0.397	LT 0.397**	LT 0.397**		LT 0.397**		LT 0.397**			N/A
2,6-Dinitrotoluene	µg/L	0.6	LT 0.6**	LT 0.6**		LT 0.6**		LT 0.6**			N/A
Cyclotetramethylenetetranitra	µg/L	0.533	LT 0.533**	LT 0.533**		LT 0.533**		LT 0.533**			N/A
Nitrobenzene	µg/L	0.682	LT 0.682**	LT 0.682**		LT 0.682**		LT 0.682**			N/A
Hexahydro-1,3,5-trinitro-1,3,	µg/L	0.416	LT 0.416** H	LT 0.416** 7		LT 0.416**		LT 0.416** H	I		N/A
N-methyl-N,2,4,6-tetranitroan	µg/L	0.631	LT 0.631**	LT 0.631**		LT 0.631**		LT 0.631**			N/A
NG and PETN/WATER/HPLC (µg/L)											
Laboratory ID Number			UB04789		UB05237		UB04178		UB01918		N/A
Parameter	Units	CRL									
Nitroglycerine	µg/L	1.49	LT 1.49**	LT 1.49**		LT 1.49**		LT 1.49** L	JR		N/A
Pentaerythritol tetranitrate	µg/L	2	LT 2**	LT 2**		LT 2**		LT 2** L	JR		N/A
ORGANOSULFURS/WATER/GCFP (µg/L)											
Laboratory ID Number			MCBW*10		MCBW*95		MCBW*73		MCBW*39		MCBW*18
Parameter	Units	CRL									
Benzothiazole	µg/L	2.11	LT 2.11**	LT 2.11*		LT 2.11**		LT 2.11**		LT 2.11**	
p-Chlorophenylmethyl sulfide	µg/L	1.26	LT 1.26**	LT 1.26*		LT 1.26**		LT 1.26**		LT 1.26**	
p-Chlorophenylmethyl sulfoxid	µg/L	4.23	LT 4.23**	LT 4.23*		LT 4.23**		LT 4.23**		LT 4.23**	
p-Chlorophenylmethyl sulfone	µg/L	4.72	LT 4.72**	LT 4.72*		LT 4.72**		LT 4.72**		LT 4.72**	
Dithiane	µg/L	1.11	LT 1.11**	LT 1.11*		LT 1.11**		LT 1.11**		LT 1.11**	
Dimethyl disulfide	µg/L	1.14	LT 1.14**	LT 1.14*		LT 1.14**		LT 1.14**		LT 1.14**	
1,4-Oxathiane	µg/L	1.98	LT 1.98**	LT 1.98*		LT 1.98**		LT 1.98**		LT 1.98**	
ORGANICS/WATER/IC (µg/L)											
Laboratory ID Number			MCBW*10		MCBW*95		MCBW*73		MCBW*39		MCBW*18
Parameter	Units	CRL									
Chloroacetic acid	µg/L	25	LT 25**	LT 25*		LT 25**		LT 25**		LT 25**	
Fluoroacetic acid	µg/L	25	LT 25**	LT 25*		LT 25**		LT 25**		LT 25**	
Isopropyl methylphosphonate	µg/L	25	LT 25**	LT 25*		LT 25**		LT 25**		LT 25**	
Methylphosphonic acid	µg/L	50	LT 50**	LT 50*		LT 50**		LT 50**		LT 50**	

Table F-6. Data Summary Table: Groundwater - Equipment Rinsates, Fort McClellan, Anniston Alabama (Continued)

Site ID			BK-BAIL	BK-BAIL	BK-D02	BK-S02	DIA-S03
Field Sample Number			SAICRB42	SAICRB43	SAICRB36	SAICRB01	SAICRB20
Site Type			RNSW	RNSW	RNSW	RNSW	RNSW
Collection Date			7/12/94	7/22/94	6/20/94	4/12/94	5/16/94
Depth (ft)			0	0	0	0	0
Associated Field QC Sample - Site ID						N/A	N/A
Associated Field QC Sample - Field Sample No.						N/A	N/A
Associated Field QC Sample - Site ID						N/A	N/A
Associated Field QC Sample - Field Sample No.						N/A	N/A
ORGANOSULFURS/WATER/HPLC (µg/L)							
Laboratory ID Number			MCBW*10	MCBW*95	MCBW*73	MCBW*39	MCBW*18
Parameter	Units	CRL					
Thiodiglycol	µg/L	48.8	LT 48.8**	LT 48.8*	LT 48.8**	LT 48.8**	LT 48.8**
Thiodiglycolic acid	µg/L	52.7					
ORGANOPHOSPHOR/WATER/GCFP (µg/L)							
Laboratory ID Number			MCBW*10	MCBW*95	MCBW*73	MCBW*39	MCBW*18
Parameter	Units	CRL					
Diisopropyl methylphosphonate	µg/L	10.5	LT 10.5**	LT 10.5*	LT 10.5**	LT 10.5**	LT 10.5**
Dimethyl methylphosphonate	µg/L	15.2	LT 15.2**	LT 15.2*	LT 15.2**	LT 15.2**	LT 15.2**
ISOPROPYLAMINE IN WATER							
Laboratory ID Number			MCBW*10		MCBW*73	MCBW*39	
Parameter	Units	CRL					
Isopropylamine	µg/L	100	LT 100**		LT 100**	LT 100**	
HEXA-WA							
Laboratory ID Number			N/A	N/A	N/A	N/A	N/A
Parameter	Units	CRL					
Hexachlorocyclopentadiene	µg/L	54	N/A	N/A	N/A	N/A	N/A
Hexachlorobenzene	µg/L	12	N/A	N/A	N/A	N/A	N/A
BIOLOGICAL OXYGEN DEMAND (µg/g)							
Laboratory ID Number			N/A	N/A	N/A	N/A	N/A
Parameter	Units	CRL					
Biological Oxygen Demand	µg/L	4000	N/A	N/A	N/A	N/A	N/A

Table F-6. Data Summary Table: Groundwater - Equipment Rinsates, Fort McClellan, Anniston Alabama (Continued)

Site ID			DIA-S06	FRL-1	LF1-D01	LF1-S01	LF1-S02
Field Sample Number			SAICRB21	SAIC01	SAICRB30	SAICRB12	SAICRB13
Site Type			RNSW	RNSW	RNSW	RNSW	RNSW
Collection Date			5/17/94	4/8/94	6/9/94	4/27/94	4/20/94
Depth (ft)			0	0	0	0	0
Associated Field QC Sample - Site ID				N/A		N/A	N/A
Associated Field QC Sample - Field Sample No.				N/A		N/A	N/A
Associated Field QC Sample - Site ID						N/A	N/A
Associated Field QC Sample - Field Sample No.						N/A	N/A
METALS/WATER (µg/L)							
Laboratory ID Number			N/A	N/A	N/A	N/A	N/A
Parameter	Units	CRL					
Antimony	µg/L	3	N/A	N/A	N/A	N/A	N/A
Arsenic	µg/L	2.35	N/A	N/A	N/A	N/A	N/A
Lead	µg/L	4.47	N/A	N/A	N/A	N/A	N/A
Selenium	µg/L	2.53	N/A	N/A	N/A	N/A	N/A
Thallium	µg/L	1	N/A	N/A	N/A	N/A	N/A
Mercury	µg/L	0.1	N/A	N/A	N/A	N/A	N/A
Silver	µg/L	10	N/A	N/A	N/A	N/A	N/A
Aluminum	µg/L	112	N/A	N/A	N/A	N/A	N/A
Boron	µg/L	230	N/A	N/A	N/A	N/A	N/A
Barium	µg/L	2.82	N/A	N/A	N/A	N/A	N/A
Beryllium	µg/L	1.12	N/A	N/A	N/A	N/A	N/A
Cadmium	µg/L	4	N/A	N/A	N/A	N/A	N/A
Calcium	µg/L	105	N/A	N/A	N/A	N/A	N/A
Cobalt	µg/L	25	N/A	N/A	N/A	N/A	N/A
Copper	µg/L	16.8	N/A	N/A	N/A	N/A	N/A
Chromium	µg/L	16.8	N/A	N/A	N/A	N/A	N/A
Iron	µg/L	77.5	N/A	N/A	N/A	N/A	N/A
Potassium	µg/L	1240	N/A	N/A	N/A	N/A	N/A
Magnesium	µg/L	135	N/A	N/A	N/A	N/A	N/A
Manganese	µg/L	9.67	N/A	N/A	N/A	N/A	N/A
Molybdenum	µg/L	52.7	N/A	N/A	N/A	N/A	N/A
Sodium	µg/L	279	N/A	N/A	N/A	N/A	N/A
Nickel	µg/L	32.1	N/A	N/A	N/A	N/A	N/A
Tin	µg/L	59.9	N/A	N/A	N/A	N/A	N/A
Tellurium	µg/L	118	N/A	N/A	N/A	N/A	N/A
Vanadium	µg/L	27.6	N/A	N/A	N/A	N/A	N/A
Zinc	µg/L	18	N/A	N/A	N/A	N/A	N/A
VOLATILES/WATER (µg/L)							
Laboratory ID Number			N/A	UB01868	UB03752	UB02435	UB02623
Parameter	Units	CRL					
1,1,1-Trichloroethane	µg/L	1	N/A	LT 1**	LT 1**	LT 1**	LT 1**
1,1,2-Trichloroethane	µg/L	1	N/A	LT 1**	LT 1**	LT 1**	LT 1**
1,1-Dichloroethene	µg/L	1	N/A	LT 1**	LT 1**	LT 1**	LT 1**
1,1-Dichloroethane	µg/L	1	N/A	LT 1**	LT 1**	LT 1**	LT 1**
1,2-Dichloroethene	µg/L	5	N/A	LT 5**	LT 5**	LT 5**	LT 5**
1,2-Dichloroethane	µg/L	1	N/A	LT 1**	LT 1**	LT 1**	LT 1**
1,2-Dichloropropane	µg/L	1	N/A	LT 1**	LT 1**	LT 1**	LT 1**
1,3-Dichlorobenzene	µg/L	1	N/A	LT 1**	LT 1**	LT 1**	LT 1**

Table F-6. Data Summary Table: Groundwater - Equipment Rinsates, Fort McClellan, Anniston Alabama (Continued)

Site ID			DIA-S06		FRL-1		LF1-D01		LF1-S01		LF1-S02	
Field Sample Number			SAICRB21		SAIC01		SAICRB30		SAICRB12		SAICRB13	
Site Type			RNSW		RNSW		RNSW		RNSW		RNSW	
Collection Date			5/17/94		4/8/94		6/9/94		4/27/94		4/29/94	
Depth (ft)			0		0		0		0		0	
Associated Field QC Sample - Site ID					N/A				N/A		N/A	
Associated Field QC Sample - Field Sample No.					N/A				N/A		N/A	
Associated Field QC Sample - Site ID									N/A		N/A	
Associated Field QC Sample - Field Sample No.									N/A		N/A	
1,3-Dichloropropane	µg/L	4.8	N/A	LT	4.8**	LT	4.8**	LT	4.8**	LT	4.8**	
1,3-Dimethylbenzene	µg/L	1	N/A	LT	1**	LT	1**	LT	1**	LT	1**	
2-Chloroethylvinyl Ether	µg/L	3.5	N/A	LT	3.5**	LT	3.5**	LT	3.5**	LT	3.5**	
Acetone	µg/L	8	N/A	LT	8**	LT	8**	LT	8**	LT	8**	
Acrylonitrile	µg/L	8.4	N/A	LT	8.4**	LT	8.4**	LT	8.4**	LT	8.4**	
Bromodichloromethane	µg/L	1	N/A	LT	1**	LT	1**	LT	1**	LT	1**	
Chloroethane	µg/L	8	N/A	LT	8**	LT	8**	LT	8**	LT	8**	
Benzene	µg/L	1	N/A	LT	1**	LT	1**	LT	1**	LT	1**	
Trichlorofluoromethane	µg/L	1	N/A	LT	1**	LT	1**	LT	1**	LT	1**	
Carbon Tetrachloride	µg/L	1	N/A	LT	1**	LT	1**	LT	1**	LT	1**	
Methylene Chloride	µg/L	1	N/A	LT	1**	LT	1**	LT	1**	LT	1**	
Bromomethane	µg/L	14	N/A	LT	14**	LT	14**	LT	14**	LT	14**	
Chloromethane	µg/L	1.2	N/A	LT	1.2**	LT	1.2**	LT	1.2**	LT	1.2**	
Bromoform	µg/L	11	N/A	LT	11**	LT	11**	LT	11**	LT	11**	
Chloroform	µg/L	1	N/A		7.3**		1.2**		6.7**		6.4**	
Chlorobenzene	µg/L	1	N/A	LT	1**	LT	1**	LT	1**	LT	1**	
Dibromochloromethane	µg/L	1	N/A	LT	1**	LT	1**	LT	1**	LT	1**	
Ethylbenzene	µg/L	1	N/A	LT	1**	LT	1**	LT	1**	LT	1**	
Toluene	µg/L	1	N/A	LT	1**	LT	1**	LT	1**	LT	1**	
Methylethylketone	µg/L	10	N/A	LT	10**	LT	10**	LT	10**	LT	10**	
Methylisobutylketone	µg/L	1.4	N/A	LT	1.4**	LT	1.4**	LT	1.4**	LT	1.4**	
1,1,2,2-Tetrachloroethane	µg/L	1.5	N/A	LT	1.5**	LT	1.5**	LT	1.5**	LT	1.5**	
Tetrachloroethene	µg/L	1	N/A	LT	1**	LT	1**	LT	1**	LT	1**	
Trichloroethene	µg/L	1	N/A	LT	1**	LT	1**	LT	1**	LT	1**	
1,2-Dimethylbenzene	µg/L	2	N/A	LT	2**	LT	2**	LT	2**	LT	2**	
Vinyl Chloride	µg/L	1	N/A	LT	1**	LT	1**		N/A		N/A	
TICs	µg/L		N/A		0 (0.0)		0 (0.0)		0 (0.0)		0 (0.0)	

SEMIVOLATILES/WATER (µg/L)

Laboratory ID Number			N/A		UB01868		UB03752		UB02435		UB02623	
Parameter	Units	CRL										
1,2,3-Trichlorobenzene	µg/L	5.8	N/A	LT	5.8**	LT	5.8**	LT	5.8**	LT	5.8**	KR
1,2,4-Trichlorobenzene	µg/L	2.4	N/A	LT	2.4**	LT	2.4**	LT	2.4**	LT	2.4**	KR
1,2-Dichlorobenzene	µg/L	1.2	N/A	LT	1.2**	LT	1.2**	LT	1.2**	LT	1.2**	KR
1,2-Diphenylhydrazine	µg/L	13	N/A	LT	13**	LT	13**	LT	13**	LT	13**	KR
1,3-Dichlorobenzene	µg/L	3.4	N/A	LT	3.4**	LT	3.4**	LT	3.4**	LT	3.4**	KR
1,4-Dichlorobenzene	µg/L	1.5	N/A	LT	1.5**	LT	1.5**	LT	1.5**	LT	1.5**	KR
2,3,6-Trichlorophenol	µg/L	1.7	N/A	LT	1.7**	LT	1.7**	LT	1.7**	LT	1.7**	KR
2,4,5-Trichlorophenol	µg/L	2.8	N/A	LT	2.8**	LT	2.8**	LT	2.8**	LT	2.8**	KR
2,4,6-Trichlorophenol	µg/L	3.6	N/A	LT	3.6**	LT	3.6**	LT	3.6**	LT	3.6**	KR
2,4-Dichlorophenol	µg/L	8.4	N/A	LT	8.4**	LT	8.4**	LT	8.4**	LT	8.4**	KR
2,4-Dimethylphenol	µg/L	4.4	N/A	LT	4.4**	LT	4.4**	LT	4.4**	LT	4.4**	KR
2,4-Dinitrophenol	µg/L	176	N/A	LT	180**	LT	180**	LT	180**	LT	180**	KR

Table F-6. Data Summary Table: Groundwater - Equipment Rinsates, Fort McClellan, Anniston Alabama (Continued)

Site ID			DIA-S06		FRL-1		LF1-D01		LF1-S01		LF1-S02	
Field Sample Number			SAICRB21		SAIC01		SAICRB30		SAICRB12		SAICRB13	
Site Type			RNSW		RNSW		RNSW		RNSW		RNSW	
Collection Date			5/17/94		4/8/94		6/9/94		4/27/94		4/29/94	
Depth (ft)			0		0		0		0		0	
Associated Field QC Sample - Site ID					N/A				N/A		N/A	
Associated Field QC Sample - Field Sample No.					N/A				N/A		N/A	
Associated Field QC Sample - Site ID									N/A		N/A	
Associated Field QC Sample - Field Sample No.									N/A		N/A	
2,6-Dinitroaniline	µg/L	6.8	N/A	LT	6.8**	LT	6.8**	LT	6.8**	LT	6.8**	KR
2-Chlorophenol	µg/L	2.8	N/A	LT	2.8**	LT	2.8**	LT	2.8**	LT	2.8**	KR
2-Chloronaphthalene	µg/L	2.6	N/A	LT	2.6**	LT	2.6**	LT	2.6**	LT	2.6**	KR
2-Methylnaphthalene	µg/L	1.3	N/A	LT	1.3**	LT	1.3**	LT	1.3**	LT	1.3**	KR
2-Methyl Phenol	µg/L	3.6	N/A	LT	3.6**	LT	3.6**	LT	3.6**	LT	3.6**	KR
2-Nitrophenol	µg/L	8.2	N/A	LT	8.2**	LT	8.2**	LT	8.2**	LT	8.2**	KR
3,3'-Dichlorobenzidine	µg/L	5	N/A	LT	5**	LT	5**	LT	5**	LT	5**	KR
3,5-Dinitro-aniline	µg/L	21	N/A	LT	21**	LT	21**	LT	21**	LT	21**	KR
3-Nitroaniline	µg/L	15	N/A	LT	15**	LT	15**	LT	15**	LT	15**	KR
3-Nitrotoluene	µg/L	2.9	N/A	LT	2.9**	LT	2.9**	LT	2.9**	LT	2.9**	KR
4-Bromophenyl Phenyl Ether	µg/L	22	N/A	LT	22**	LT	22**	LT	22**	LT	22**	KR
4-Chloro-3-methylphenol	µg/L	8.5	N/A	LT	8.5**	LT	8.5**	LT	8.5**	LT	8.5**	KR
4-Chlorophenyl Phenyl Ether	µg/L	23	N/A	LT	23**	LT	23**	LT	23**	LT	23**	KR
4-Methyl Phenol	µg/L	2.8	N/A	LT	2.8**	LT	2.8**	LT	2.8**		3.6**	KR
4-Nitrophenol	µg/L	96	N/A	LT	96**	LT	96**	LT	96**	LT	96**	KR
Acenaphthene	µg/L	5.8	N/A	LT	5.8**	LT	5.8**	LT	5.8**	LT	5.8**	KR
Acenaphthylene	µg/L	5.1	N/A	LT	5.1**	LT	5.1**	LT	5.1**	LT	5.1**	KR
Anthracene	µg/L	5.2	N/A	LT	5.2**	LT	5.2**	LT	5.2**	LT	5.2**	KR
Atrazine	µg/L	5.9	N/A	LT	5.9**	LT	5.9**	LT	5.9**	LT	5.9**	KR
bis(2-Chloroethoxy) Methane	µg/L	6.8	N/A	LT	6.8**	LT	6.8**	LT	6.8**	LT	6.8**	KR
bis(2-Chloroisopropyl) Ether	µg/L	5	N/A	LT	5**	LT	5**	LT	5**	LT	5**	KR
bis(2-Chloroethyl)ether	µg/L	0.68	N/A	LT	0.68**	LT	0.68**	LT	0.68**	LT	0.68**	KR
bis(2-Ethylhexyl)phthalate	µg/L	7.7	N/A	LT	7.7**	LT	7.7**	LT	7.7**	LT	7.7**	KR
Butyl Benzyl Phthalate	µg/L	28	N/A	LT	28**	LT	28**	LT	28**	LT	28**	KR
Benzo(g,h,i)perylene	µg/L	15	N/A	LT	15**	LT	15**	LT	15**	LT	15**	KR
Bromacil	µg/L	2.9	N/A	LT	2.9**	LT	2.9**	LT	2.9**	LT	2.9**	KR
Benzyl Alcohol	µg/L	4	N/A	LT	4**	LT	4**	LT	4**	LT	4**	KR
Hexachloroethane	µg/L	8.3	N/A	LT	8.3**	LT	8.3**	LT	8.3**	LT	8.3**	KR
Dibromochloropropane	µg/L	12	N/A	LT	12**	LT	12**	LT	12**	LT	12**	KR
Dibenzofuran	µg/L	5.1	N/A	LT	5.1**	LT	5.1**	LT	5.1**	LT	5.1**	KR
Dicyclopentadiene	µg/L	5.5	N/A	LT	5.5**	LT	5.5**	LT	5.5**	LT	5.5**	KR
Vapona	µg/L	8.5	N/A	LT	8.5**	LT	8.5**	LT	8.5**	LT	8.5**	KR
Diethyl Phthalate	µg/L	5.9	N/A	LT	5.9**	LT	5.9**	LT	5.9**	LT	5.9**	KR
Dimethyl Phthalate	µg/L	2.2	N/A	LT	2.2**	LT	2.2**	LT	2.2**	LT	2.2**	KR
di-N-Butyl Phthalate	µg/L	33	N/A	LT	33**	LT	33**	LT	33**	LT	33**	KR
di-N-Octyl Phthalate	µg/L	1.5	N/A	LT	1.5**	LT	1.5**	LT	1.5**	LT	1.5**	KR
Endosulfan Sulfate	µg/L	50	N/A	LT	50**	LT	50**	LT	50**	LT	50**	KR
Fluoranthene	µg/L	24	N/A	LT	24**	LT	24**	LT	24**	LT	24**	KR
Fluorene	µg/L	9.2	N/A	LT	9.2**	LT	9.2**	LT	9.2**	LT	9.2**	KR
Hexachlorobutadiene	µg/L	8.7	N/A	LT	8.7**	LT	8.7**	LT	8.7**	LT	8.7**	KR
Isophorone	µg/L	2.4	N/A	LT	2.4**	LT	2.4**	LT	2.4**	LT	2.4**	KR
Mirex	µg/L	24	N/A	LT	24**	LT	24**	LT	24**	LT	24**	KR
Malathion	µg/L	21	N/A	LT	21**	LT	21**	LT	21**	LT	21**	KR
Naphthalene	µg/L	0.5	N/A	LT	0.5**	LT	0.5**	LT	0.5**	LT	0.5**	KR

Table F-6. Data Summary Table: Groundwater - Equipment Rinsates, Fort McClellan, Anniston Alabama (Continued)

Site ID			DIA-S06	FRL-1	LF1-D01	LF1-S01	LF1-S02	
Field Sample Number			SAICRB21	SAIC01	SAICRB30	SAICRB12	SAICRB13	
Site Type			RNSW	RNSW	RNSW	RNSW	RNSW	
Collection Date			5/17/94	4/8/94	6/9/94	4/27/94	4/29/94	
Depth (ft)			0	0	0	0	0	
Associated Field QC Sample - Site ID				N/A		N/A	N/A	
Associated Field QC Sample - Field Sample No.				N/A		N/A	N/A	
Associated Field QC Sample - Site ID						N/A	N/A	
Associated Field QC Sample - Field Sample No.						N/A	N/A	
Nitrobenzene	µg/L	3.7	N/A	LT 3.7**	LT 3.7**	LT 3.7**	LT 3.7** KR	
N-Nitrosodimethylamine	µg/L	9.7	N/A	LT 9.7**	LT 9.7**	LT 9.7**	LT 9.7** KR	
N-Nitroso-di-N-propylamine	µg/L	6.8	N/A	LT 6.8**	LT 6.8**	LT 6.8**	LT 6.8** KR	
N-Nitrosodiphenylamine	µg/L	3.7	N/A	LT 3.7**	LT 3.7**	LT 3.7**	LT 3.7** KR	
Phenanthrene	µg/L	9.9	N/A	LT 9.9**	LT 9.9**	LT 9.9**	LT 9.9** KR	
Phenol	µg/L	2.2	N/A	LT 2.2**	LT 2.2**	LT 2.2**	LT 2.2** KR	
Parathion	µg/L	37	N/A	LT 37**	LT 37**	LT 37**	LT 37** KR	
Pyrene	µg/L	17	N/A	LT 17**	LT 17**	LT 17**	LT 17** KR	
Supona	µg/L	19	N/A	LT 19**	LT 19**	LT 19**	LT 19** KR	
Pentachlorophenol	µg/L	1	N/A	LT 1**	LT 1**	N/A	N/A	
Benzo(a)pyrene	µg/L	0.2	N/A	LT 0.023**	LT 0.021**	N/A	N/A	
Benzo(b)fluoranthene	µg/L	0.2	N/A	LT 0.04**	LT 0.04**	N/A	N/A	
Benzo(k)fluoranthene	µg/L	0.2	N/A	LT 0.019**	LT 0.019**	N/A	N/A	
Chrysene	µg/L	0.2	N/A	LT 0.02**	LT 0.02**	N/A	N/A	
Dibenzo(a,h)anthracene	µg/L	0.3	N/A	LT 0.04**	LT 0.04**	N/A	N/A	
Indeno(1,2,3-cd)pyrene	µg/L	0.4	N/A	LT 0.02**	LT 0.02**	N/A	N/A	
Benzo(a)anthracene	µg/L	0.1	N/A	LT 0.02**	LT 0.02**	N/A	N/A	
TICs	µg/L		N/A	0 (0.0)	7 (58.0)	0 (0.0)	14 (170.0)	

PESTICIDES/WATER/GCEC (µg/L)

Laboratory ID Number			N/A	UB01868	UB03752	UB02435	UB02623
Parameter	Units	CRL					
alpha-BHC	µg/L	0.0025	N/A	LT 0.0025**	LT 0.0025**	0.012** U	LT 0.0025**
Endosulfan I	µg/L	0.0025	N/A	LT 0.0025**	LT 0.0025**	LT 0.0025**	LT 0.0025**
Aldrin	µg/L	0.0074	N/A	LT 0.0074**	LT 0.0074**	LT 0.0074**	LT 0.0074**
beta-BHC	µg/L	0.0099	N/A	LT 0.0099**	LT 0.0099**	LT 0.0099**	LT 0.0099**
Endosulfan II	µg/L	0.0077	N/A	LT 0.0077**	LT 0.0077**	LT 0.0077**	LT 0.0077**
Chlordane	µg/L	0.0312	N/A	LT 0.0312**	LT 0.0312** 7 N	LT 0.0312**	LT 0.0312**
delta-BHC	µg/L	0.0034	N/A	LT 0.0034**	LT 0.0034**	LT 0.0034**	LT 0.0034**
Dieldrin	µg/L	0.0074	N/A	LT 0.0074**	LT 0.0074**	LT 0.0074**	LT 0.0074**
Endrin	µg/L	0.0176	N/A	LT 0.0176**	LT 0.0176**	LT 0.0176**	LT 0.0176**
Endrin Aldehyde	µg/L	0.0504	N/A	LT 0.0504**	LT 0.0504**	LT 0.0504**	LT 0.0504**
Heptachlor	µg/L	0.0025	N/A	LT 0.0025**	LT 0.0025**	LT 0.0025**	LT 0.0025**
Heptachlor Epoxide	µg/L	0.0063	N/A	LT 0.0063**	LT 0.0063**	LT 0.0063**	LT 0.0063**
Isodrin	µg/L	0.0025	N/A	LT 0.0025**	LT 0.0025**	LT 0.0025**	LT 0.0025**
Lindane	µg/L	0.0025	N/A	LT 0.0025** H	LT 0.0025**	LT 0.0025**	LT 0.0025**
Methoxychlor	µg/L	0.075	N/A	LT 0.075**	LT 0.075**	LT 0.075**	LT 0.075**
PCB-1016	µg/L	0.385	N/A	LT 0.385**	LT 0.385**	LT 0.385**	LT 0.385**
PCB-1260	µg/L	0.176	N/A	LT 0.176**	LT 0.176**	LT 0.176**	LT 0.176**
4,4'-DDD	µg/L	0.0081	N/A	LT 0.0081**	LT 0.0081**	LT 0.0081**	LT 0.0081**
4,4'-DDE	µg/L	0.0039	N/A	LT 0.0039**	LT 0.0039**	LT 0.0039**	LT 0.0039**
4,4'-DDT	µg/L	0.0025	N/A	LT 0.0025**	LT 0.0025**	0.00486** U	LT 0.0025**
Toxaphene	µg/L	1.64	N/A	LT 1.64**	LT 1.64**	LT 1.64**	LT 1.64**

Table F-6. Data Summary Table: Groundwater - Equipment Rinsates, Fort McClellan, Anniston Alabama (Continued)

Site ID			DIA-S06	FRL-1	LF1-D01	LF1-S01	LF1-S02
Field Sample Number			SAICRB21	SAIC01	SAICRB30	SAICRB12	SAICRB13
Site Type			RNSW	RNSW	RNSW	RNSW	RNSW
Collection Date			5/17/94	4/8/94	6/9/94	4/27/94	4/29/94
Depth (ft)			0	0	0	0	0
Associated Field QC Sample - Site ID				N/A		N/A	N/A
Associated Field QC Sample - Field Sample No.				N/A		N/A	N/A
Associated Field QC Sample - Site ID						N/A	N/A
Associated Field QC Sample - Field Sample No.						N/A	N/A
EXPLOSIVES/WATER/HPLC (µg/L)							
Laboratory ID Number			N/A	UB01868	UB03752	UB02435	UB02623
Parameter	Units	CRL					
1,3,5-Trinitrobenzene	µg/L	0.21	N/A	0.364** U	LT 0.21**	0.264** U	0.263** U
1,3-Dinitrobenzene	µg/L	0.458	N/A	LT 0.458**	LT 0.458**	LT 0.458**	LT 0.458**
2,4,6-Trinitrotoluene	µg/L	0.426	N/A	LT 0.426**	LT 0.426**	LT 0.426** J	LT 0.426**
2,4-Dinitrotoluene	µg/L	0.397	N/A	LT 0.397**	LT 0.397**	LT 0.397** J	LT 0.397**
2,6-Dinitrotoluene	µg/L	0.6	N/A	LT 0.6**	LT 0.6**	LT 0.6**	LT 0.6**
Cyclotetramethylenetetranitra	µg/L	0.533	N/A	LT 0.533**	LT 0.533**	LT 0.533**	LT 0.533**
Nitrobenzene	µg/L	0.682	N/A	LT 0.682**	LT 0.682**	LT 0.682**	LT 0.682**
Hexahydro-1,3,5-trinitro-1,3,	µg/L	0.416	N/A	LT 0.416** H I	LT 0.416**	LT 0.416**	LT 0.416**
N-methyl-N,2,4,6-tetranitroan	µg/L	0.631	N/A	LT 0.631**	LT 0.631**	LT 0.631**	LT 0.631**
NG and PETN/WATER/HPLC (µg/L)							
Laboratory ID Number			N/A	UB01868		UB02435	UB02623
Parameter	Units	CRL					
Nitroglycerine	µg/L	1.49	N/A	LT 1.49** L JR		LT 1.49**	LT 1.49**
Pentaerythritol tetranitrate	µg/L	2	N/A	LT 2** L JR		LT 2**	LT 2**
ORGANOSULFURS/WATER/GCFP (µg/L)							
Laboratory ID Number			MCBW*20	MCBW*40	N/A	N/A	N/A
Parameter	Units	CRL					
Benzothiazole	µg/L	2.11	LT 2.11**	LT 2.11**	N/A	N/A	N/A
p-Chlorophenylmethyl sulfide	µg/L	1.26	LT 1.26**	LT 1.26**	N/A	N/A	N/A
p-Chlorophenylmethyl sulfoxid	µg/L	4.23	LT 4.23**	LT 4.23**	N/A	N/A	N/A
p-Chlorophenylmethyl sulfone	µg/L	4.72	LT 4.72**	LT 4.72**	N/A	N/A	N/A
Dithiane	µg/L	1.11	LT 1.11**	LT 1.11**	N/A	N/A	N/A
Dimethyl disulfide	µg/L	1.14	LT 1.14**	LT 1.14**	N/A	N/A	N/A
1,4-Oxathiane	µg/L	1.98	LT 1.98**	LT 1.98**	N/A	N/A	N/A
ORGANICS/WATER/IC (µg/L)							
Laboratory ID Number			MCBW*20	MCBW*40	N/A	N/A	N/A
Parameter	Units	CRL					
Chloroacetic acid	µg/L	25	LT 25**	LT 25**	N/A	N/A	N/A
Fluoroacetic acid	µg/L	25	LT 25**	LT 25**	N/A	N/A	N/A
Isopropyl methylphosphonate	µg/L	25	LT 25**	LT 25**	N/A	N/A	N/A
Methylphosphonic acid	µg/L	50	LT 50**	LT 50**	N/A	N/A	N/A

Table F-6. Data Summary Table: Groundwater - Equipment Rinsates, Fort McClellan, Anniston Alabama (Continued)

Site ID				DIA-S06		FRL-1	LF1-D01	LF1-S01	LF1-S02
Field Sample Number				SAICRB21		SAIC01	SAICRB30	SAICRB12	SAICRB13
Site Type				RNSW		RNSW	RNSW	RNSW	RNSW
Collection Date				5/17/94		4/8/94	6/9/94	4/27/94	4/29/94
Depth (ft)				0		0	0	0	0
Associated Field QC Sample - Site ID						N/A		N/A	N/A
Associated Field QC Sample - Field Sample No.						N/A		N/A	N/A
Associated Field QC Sample - Site ID								N/A	N/A
Associated Field QC Sample - Field Sample No.								N/A	N/A
ORGANOSULFURS/WATER/HPLC (µg/L)									
Laboratory ID Number				MCBW*20		MCBW*40	N/A	N/A	N/A
Parameter	Units	CRL							
Thiodiglycol	µg/L	48.8	LT	48.8**	LT	48.8**	N/A	N/A	N/A
Thiodiglycolic acid	µg/L	52.7					N/A	N/A	N/A
ORGANOPHOSPHOR/WATER/GCFP (µg/L)									
Laboratory ID Number				MCBW*20		MCBW*40	N/A	N/A	N/A
Parameter	Units	CRL							
Diisopropyl methylphosphonate	µg/L	10.5	LT	10.5**	LT	10.5**	N/A	N/A	N/A
Dimethyl methylphosphonate	µg/L	15.2	LT	15.2**	LT	15.2**	N/A	N/A	N/A
ISOPROPYLAMINE IN WATER									
Laboratory ID Number						MCBW*40	N/A	N/A	N/A
Parameter	Units	CRL							
Isopropylamine	µg/L	100			LT	100**	N/A	N/A	N/A
HEXA-WA									
Laboratory ID Number				N/A		N/A	N/A	N/A	N/A
Parameter	Units	CRL							
Hexachlorocyclopentadiene	µg/L	54		N/A		N/A	N/A	N/A	N/A
Hexachlorobenzene	µg/L	12		N/A		N/A	N/A	N/A	N/A
BIOLOGICAL OXYGEN DEMAND (µg/g)									
Laboratory ID Number				N/A		N/A	N/A	N/A	N/A
Parameter	Units	CRL							
Biological Oxygen Demand	µg/L	4000		N/A		N/A	N/A	N/A	N/A

Table F-6. Data Summary Table: Groundwater - Equipment Rinsates, Fort McClellan, Anniston Alabama (Continued)

Site ID			LF1-S03	LF1-S04	LF2-G01	LF2-G02	OLF-S11
Field Sample Number			SAICRB01	SAICRB11	SAICRB44	SAICRB45	SAICRB01
Site Type			RNSW	RNSW	RNSW	RNSW	RNSW
Collection Date			4/19/94	4/26/94	1/27/95	1/27/95	4/17/94
Depth (ft)			0	0	0	0	0
Associated Field QC Sample - Site ID			LF1-S03	N/A			OLF-S11
Associated Field QC Sample - Field Sample No.			SAICTB12	N/A			SAICTB10
Associated Field QC Sample - Site ID			LF1-S03	N/A			OLF-S11
Associated Field QC Sample - Field Sample No.			SAICRB01	N/A			SAICRB01
METALS/WATER (µg/L)							
Laboratory ID Number			N/A	N/A	N/A	N/A	N/A
Parameter	Units	CRL					
Antimony	µg/L	3	N/A	N/A	N/A	N/A	N/A
Arsenic	µg/L	2.35	N/A	N/A	N/A	N/A	N/A
Lead	µg/L	4.47	N/A	N/A	N/A	N/A	N/A
Selenium	µg/L	2.53	N/A	N/A	N/A	N/A	N/A
Thallium	µg/L	1	N/A	N/A	N/A	N/A	N/A
Mercury	µg/L	0.1	N/A	N/A	N/A	N/A	N/A
Silver	µg/L	10	N/A	N/A	N/A	N/A	N/A
Aluminum	µg/L	112	N/A	N/A	N/A	N/A	N/A
Boron	µg/L	230	N/A	N/A	N/A	N/A	N/A
Barium	µg/L	2.82	N/A	N/A	N/A	N/A	N/A
Beryllium	µg/L	1.12	N/A	N/A	N/A	N/A	N/A
Cadmium	µg/L	4	N/A	N/A	N/A	N/A	N/A
Calcium	µg/L	105	N/A	N/A	N/A	N/A	N/A
Cobalt	µg/L	25	N/A	N/A	N/A	N/A	N/A
Copper	µg/L	18.8	N/A	N/A	N/A	N/A	N/A
Chromium	µg/L	16.8	N/A	N/A	N/A	N/A	N/A
Iron	µg/L	77.5	N/A	N/A	N/A	N/A	N/A
Potassium	µg/L	1240	N/A	N/A	N/A	N/A	N/A
Magnesium	µg/L	135	N/A	N/A	N/A	N/A	N/A
Manganese	µg/L	9.67	N/A	N/A	N/A	N/A	N/A
Molybdenum	µg/L	52.7	N/A	N/A	N/A	N/A	N/A
Sodium	µg/L	279	N/A	N/A	N/A	N/A	N/A
Nickel	µg/L	32.1	N/A	N/A	N/A	N/A	N/A
Tin	µg/L	59.9	N/A	N/A	N/A	N/A	N/A
Tellurium	µg/L	118	N/A	N/A	N/A	N/A	N/A
Vanadium	µg/L	27.6	N/A	N/A	N/A	N/A	N/A
Zinc	µg/L	18	N/A	N/A	N/A	N/A	N/A

VOLATILES/WATER (µg/L)

Laboratory ID Number			UB02188		UB02415		UC00335		UC00336		UB02098	
Parameter	Units	CRL										
1,1,1-Trichloroethane	µg/L	1	LT	1**	LT	1**	LT	1**	LT	1**	LT	1**
1,1,2-Trichloroethane	µg/L	1	LT	1**	LT	1**	LT	1**	LT	1**	LT	1**
1,1-Dichloroethene	µg/L	1	LT	1**	LT	1**	LT	1**	LT	1**	LT	1**
1,1-Dichloroethane	µg/L	1	LT	1**	LT	1**	LT	1**	LT	1**	LT	1**
1,2-Dichloroethene	µg/L	5	LT	5**	LT	5**	LT	5**	LT	5**	LT	5**
1,2-Dichloroethane	µg/L	1	LT	1**	LT	1**	LT	1**	LT	1**	LT	1**
1,2-Dichloropropane	µg/L	1	LT	1**	LT	1**	LT	1**	LT	1**	LT	1**
1,3-Dichlorobenzene	µg/L	1	LT	1**	LT	1**	LT	1**	LT	1**	LT	1**

Table F-6. Data Summary Table: Groundwater - Equipment Rinsates, Fort McClellan, Anniston Alabama (Continued)

Site ID				LF1-S03		LF1-S04		LF2-G01		LF2-G02		OLF-S11
Field Sample Number				SAICRB01		SAICRB11		SAICRB44		SAICRB45		SAICRB01
Site Type				RNSW		RNSW		RNSW		RNSW		RNSW
Collection Date				4/19/94		4/26/94		1/27/95		1/27/95		4/17/94
Depth (ft)				0		0		0		0		0
Associated Field QC Sample - Site ID				LF1-S03		N/A						OLF-S11
Associated Field QC Sample - Field Sample No.				SAICTB12		N/A						SAICTB10
Associated Field QC Sample - Site ID				LF1-S03		N/A						OLF-S11
Associated Field QC Sample - Field Sample No.				SAICRB01		N/A						SAICRB01
1,3-Dichloropropane	µg/L	4.8	LT	4.8**	LT	4.8**	LT	4.8**	LT	4.8**	LT	4.8**
1,3-Dimethylbenzene	µg/L	1	LT	1**	LT	1**	LT	1**	LT	1**	LT	1**
2-Chloroethylvinyl Ether	µg/L	3.5	LT	3.5**	LT	3.5**	LT	3.5**	LT	3.5**	LT	3.5**
Acetone	µg/L	8	LT	8**	LT	8**	LT	8**		32**	LT	8**
Acrylonitrile	µg/L	8.4	LT	8.4**	LT	8.4**	LT	8.4**	LT	8.4**	LT	8.4**
Bromodichloromethane	µg/L	1	LT	1**	LT	1**	LT	1**	LT	1**	LT	1**
Chloroethane	µg/L	8	LT	8**	LT	8**	LT	8**	LT	8**	LT	8**
Benzene	µg/L	1	LT	1**	LT	1**	LT	1**	LT	1**	LT	1**
Trichlorofluoromethane	µg/L	1	LT	1**	LT	1**	LT	1**	LT	1**	LT	1**
Carbon Tetrachloride	µg/L	1	LT	1**	LT	1**	LT	1**	LT	1**	LT	1**
Methylene Chloride	µg/L	1	LT	1**	LT	1**	LT	1**	LT	1**	LT	1**
Bromomethane	µg/L	14	LT	14**	LT	14**	LT	14**	LT	14**	LT	14**
Chloromethane	µg/L	1.2	LT	1.2**	LT	1.2**	LT	1.2**	LT	1.2**	LT	1.2**
Bromoform	µg/L	11	LT	11**	LT	11**	LT	11**	LT	11**	LT	11**
Chloroform	µg/L	1		6.6**		6.2**	LT	1**		5.3**		6.4**
Chlorobenzene	µg/L	1	LT	1**	LT	1**	LT	1**	LT	1**	LT	1**
Dibromochloromethane	µg/L	1	LT	1**	LT	1**	LT	1**	LT	1**	LT	1**
Ethylbenzene	µg/L	1	LT	1**	LT	1**	LT	1**	LT	1**	LT	1**
Toluene	µg/L	1	LT	1**	LT	1**	LT	1**	LT	1**	LT	1**
Methylethylketone	µg/L	10	LT	10**	LT	10**	LT	10**	LT	10**	LT	10**
Methylisobutylketone	µg/L	1.4	LT	1.4**	LT	1.4**	LT	1.4**	LT	1.4**	LT	1.4**
1,1,2,2-Tetrachloroethane	µg/L	1.5	LT	1.5**	LT	1.5**	LT	1.5**	LT	1.5**	LT	1.5**
Tetrachloroethene	µg/L	1	LT	1**	LT	1**	LT	1**	LT	1**	LT	1**
Trichloroethene	µg/L	1	LT	1**	LT	1**	LT	1**	LT	1**	LT	1**
1,2-Dimethylbenzene	µg/L	2	LT	2**	LT	2**	LT	2**	LT	2**	LT	2**
Vinyl Chloride	µg/L	1		N/A		N/A	LT	1**	LT	1**		N/A
TICs	µg/L			0 (0.0)		1 (5.0)		0 (0.0)		0 (0.0)		0 (0.0)

SEMIVOLATILES/WATER (µg/L)

Laboratory ID Number				UB02168		UB02415		UC00335		UC00336		UB02098
Parameter	Units	CRL										
1,2,3-Trichlorobenzene	µg/L	5.8	LT	5.8**	LT	5.8**	LT	5.8*	LT	5.8**	LT	5.8**
1,2,4-Trichlorobenzene	µg/L	2.4	LT	2.4**	LT	2.4**	LT	2.4*	LT	2.4**	LT	2.4**
1,2-Dichlorobenzene	µg/L	1.2	LT	1.2**	LT	1.2**	LT	1.2*	LT	1.2**	LT	1.2**
1,2-Diphenylhydrazine	µg/L	13	LT	13**	LT	13**	LT	13*	LT	13**	LT	13**
1,3-Dichlorobenzene	µg/L	3.4	LT	3.4**	LT	3.4**	LT	3.4*	LT	3.4**	LT	3.4**
1,4-Dichlorobenzene	µg/L	1.5	LT	1.5**	LT	1.5**	LT	1.5*	LT	1.5**	LT	1.5**
2,3,6-Trichlorophenol	µg/L	1.7	LT	1.7**	LT	1.7**	LT	1.7*	LT	1.7**	LT	1.7**
2,4,5-Trichlorophenol	µg/L	2.8	LT	2.8**	LT	2.8**	LT	2.8*	LT	2.8**	LT	2.8**
2,4,6-Trichlorophenol	µg/L	3.6	LT	3.6**	LT	3.6**	LT	3.6*	LT	3.6**	LT	3.6**
2,4-Dichlorophenol	µg/L	8.4	LT	8.4**	LT	8.4**	LT	8.4*	LT	8.4**	LT	8.4**
2,4-Dimethylphenol	µg/L	4.4	LT	4.4**	LT	4.4**	LT	4.4*	LT	4.4**	LT	4.4**
2,4-Dinitrophenol	µg/L	176	LT	180**	LT	180**	LT	176*	LT	180**	LT	180**

Table F-6. Data Summary Table: Groundwater - Equipment Rinsates, Fort McClellan, Anniston Alabama (Continued)

Site ID			LF1-S03		LF1-S04		LF2-G01		LF2-G02		OLF-S11	
Field Sample Number			SAICRB01		SAICRB11		SAICRB44		SAICRB45		SAICRB01	
Site Type			RNSW		RNSW		RNSW		RNSW		RNSW	
Collection Date			4/19/94		4/26/94		1/27/95		1/27/95		4/17/94	
Depth (ft)			0		0		0		0		0	
Associated Field QC Sample - Site ID			LF1-S03		N/A						OLF-S11	
Associated Field QC Sample - Field Sample No.			SAICTB12		N/A						SAICTB10	
Associated Field QC Sample - Site ID			LF1-S03		N/A						OLF-S11	
Associated Field QC Sample - Field Sample No.			SAICRB01		N/A						SAICRB01	
2,6-Dinitroaniline	µg/L	8.8	LT 8.8**	LT 8.8**	LT 8.8*	LT 8.8**	LT 8.8**
2-Chlorophenol	µg/L	2.8	LT 2.8**	LT 2.8**	LT 2.8*	LT 2.8**	LT 2.8**
2-Chloronaphthalene	µg/L	2.6	LT 2.6**	LT 2.6**	LT 2.6*	LT 2.6**	LT 2.6**
2-Methylnaphthalene	µg/L	1.3	LT 1.3**	LT 1.3**	LT 1.3*	LT 1.3**	LT 1.3**
2-Methyl Phenol	µg/L	3.6	LT 3.6**	LT 3.6**	LT 3.6*	LT 3.6**	LT 3.6**
2-Nitrophenol	µg/L	8.2	LT 8.2**	LT 8.2**	LT 8.2*	LT 8.2**	LT 8.2**
3,3'-Dichlorobenzidine	µg/L	5	LT 5**	LT 5**	LT 5*	LT 5**	LT 5**
3,5-Dinitro-aniline	µg/L	21	LT 21**	LT 21**	LT 21*	LT 21**	LT 21**
3-Nitroaniline	µg/L	15	LT 15**	LT 15**	LT 15*	LT 15**	LT 15**
3-Nitrotoluene	µg/L	2.9	LT 2.9**	LT 2.9**	LT 2.9*	LT 2.9**	LT 2.9**
4-Bromophenyl Phenyl Ether	µg/L	22	LT 22**	LT 22**	LT 22*	LT 22**	LT 22**
4-Chloro-3-methylphenol	µg/L	8.5	LT 8.5**	LT 8.5**	LT 8.5*	LT 8.5**	LT 8.5**
4-Chlorophenyl Phenyl Ether	µg/L	23	LT 23**	LT 23**	LT 23*	LT 23**	LT 23**
4-Methyl Phenol	µg/L	2.8	LT 2.8**	LT 2.8**	LT 2.8*	LT 2.8**	LT 2.8**
4-Nitrophenol	µg/L	96	LT 96**	LT 96**	LT 96*	LT 96**	LT 96**
Acenaphthene	µg/L	5.8	LT 5.8**	LT 5.8**	LT 5.8*	LT 5.8**	LT 5.8**
Acenaphthylene	µg/L	5.1	LT 5.1**	LT 5.1**	LT 5.1*	LT 5.1**	LT 5.1**
Anthracene	µg/L	5.2	LT 5.2**	LT 5.2**	LT 5.2*	LT 5.2**	LT 5.2**
Atrazine	µg/L	5.9	LT 5.9**	LT 5.9**	LT 5.9*	LT 5.9**	LT 5.9**
bis(2-Chloroethoxy) Methane	µg/L	6.8	LT 6.8**	LT 6.8**	LT 6.8*	LT 6.8**	LT 6.8**
bis(2-Chloroisopropyl) Ether	µg/L	5	LT 5**	LT 5**	LT 5*	LT 5**	LT 5**
bis(2-Chloroethyl)ether	µg/L	0.68	LT 0.68**	LT 0.68**	LT 0.68*	LT 0.68**	LT 0.68**
bis(2-Ethylhexyl)phthalate	µg/L	7.7	LT 7.7**	LT 7.7**	LT 7.7*	LT 7.7**	LT 7.7**
Butyl Benzyl Phthalate	µg/L	28	LT 28**	LT 28**	LT 28*	LT 28**	LT 28**
Benzo(g,h,i)perylene	µg/L	15	LT 15**	LT 15**	LT 15*	LT 15**	LT 15**
Bromacil	µg/L	2.9	LT 2.9**	LT 2.9**	LT 2.9*	LT 2.9**	LT 2.9**
Benzyl Alcohol	µg/L	4	LT 4**	LT 4**	LT 4*	LT 4**	LT 4**
Hexachloroethane	µg/L	8.3	LT 8.3**	LT 8.3**	LT 8.3*	LT 8.3**	LT 8.3**
Dibromochloropropane	µg/L	12	LT 12**	LT 12**	LT 12*	LT 12**	LT 12**
Dibenzofuran	µg/L	5.1	LT 5.1**	LT 5.1**	LT 5.1*	LT 5.1**	LT 5.1**
Dicyclopentadiene	µg/L	5.5	LT 5.5**	LT 5.5**	LT 5.5*	LT 5.5**	LT 5.5**
Vapona	µg/L	8.5	LT 8.5**	LT 8.5**	LT 8.5*	LT 8.5**	LT 8.5**
Diethyl Phthalate	µg/L	5.9	LT 5.9**	LT 5.9**	LT 5.9*	LT 5.9**	LT 5.9**
Dimethyl Phthalate	µg/L	2.2	LT 2.2**	LT 2.2**	LT 2.2*	LT 2.2**	LT 2.2**
di-N-Butyl Phthalate	µg/L	33	LT 33**	LT 33**	LT 33*	LT 33**	LT 33**
di-N-Octyl Phthalate	µg/L	1.5	LT 1.5**	LT 1.5**	LT 1.5*	LT 1.5**	LT 1.5**
Endosulfan Sulfate	µg/L	50	LT 50**	LT 50**	LT 50*	LT 50**	LT 50**
Fluoranthene	µg/L	24	LT 24**	LT 24**	LT 24*	LT 24**	LT 24**
Fluorene	µg/L	9.2	LT 9.2**	LT 9.2**	LT 9.2*	LT 9.2**	LT 9.2**
Hexachlorobutadiene	µg/L	8.7	LT 8.7**	LT 8.7**	LT 8.7*	LT 8.7**	LT 8.7**
Isophorone	µg/L	2.4	LT 2.4**	LT 2.4**	LT 2.4*	LT 2.4**	LT 2.4**
Mirex	µg/L	24	LT 24**	LT 24**	LT 24*	LT 24**	LT 24**
Malathion	µg/L	21	LT 21**	LT 21**	LT 21*	LT 21**	LT 21**
Naphthalene	µg/L	0.5	LT 0.5**	LT 0.5**	LT 0.5*	LT 0.5**	LT 0.5**

Table F-6. Data Summary Table: Groundwater - Equipment Rinsates, Fort McClellan, Anniston Alabama (Continued)

Site ID				LF1-S03		LF1-S04		LF2-G01		LF2-G02		OLF-S11
Field Sample Number				SAICRB01		SAICRB11		SAICRB44		SAICRB45		SAICRB01
Site Type				RNSW		RNSW		RNSW		RNSW		RNSW
Collection Date				4/19/94		4/26/94		1/27/95		1/27/95		4/17/94
Depth (ft)				0		0		0		0		0
Associated Field QC Sample - Site ID				LF1-S03		N/A						OLF-S11
Associated Field QC Sample - Field Sample No.				SAICTB12		N/A						SAICTB10
Associated Field QC Sample - Site ID				LF1-S03		N/A						OLF-S11
Associated Field QC Sample - Field Sample No.				SAICRB01		N/A						SAICRB01
Nitrobenzene	µg/L	3.7	LT	3.7**	LT	3.7**	LT	3.7*	LT	3.7**	LT	3.7**
N-Nitrosodimethylamine	µg/L	9.7	LT	9.7**	LT	9.7**	LT	9.7*	LT	9.7**	LT	9.7**
N-Nitroso-di-N-propylamine	µg/L	6.8	LT	6.8**	LT	6.8**	LT	6.8*	LT	6.8**	LT	6.8**
N-Nitrosodiphenylamine	µg/L	3.7	LT	3.7**	LT	3.7**	LT	3.7*	LT	3.7**	LT	3.7**
Phenanthrene	µg/L	9.9	LT	9.9**	LT	9.9**	LT	9.9*	LT	9.9**	LT	9.9**
Phenol	µg/L	2.2	LT	2.2**	LT	2.2**	LT	2.2*	LT	2.2**	LT	2.2**
Parathion	µg/L	37	LT	37**	LT	37**	LT	37*	LT	37**	LT	37**
Pyrene	µg/L	17	LT	17**	LT	17**	LT	17*	LT	17**	LT	17**
Supona	µg/L	19	LT	19**	LT	19**	LT	19*	LT	19**	LT	19**
Pentachlorophenol	µg/L	1		N/A		N/A	LT	1* 9	LT	1* 9		N/A
Benzo(a)pyrene	µg/L	0.2		N/A		N/A	LT	0.0206**	LT	0.0206**		N/A
Benzo(b)fluoranthene	µg/L	0.2		N/A		N/A	LT	0.0402**	LT	0.0402**		N/A
Benzo(k)fluoranthene	µg/L	0.2		N/A		N/A	LT	0.0193**	LT	0.0193**		N/A
Chrysene	µg/L	0.2		N/A		N/A	LT	0.0195**	LT	0.0195**		N/A
Dibenzo(a,h)anthracene	µg/L	0.3		N/A		N/A	LT	0.0396**	LT	0.0396**		N/A
Indeno(1,2,3-cd)pyrene	µg/L	0.4		N/A		N/A	LT	0.0196**	LT	0.0196**		N/A
Benzo(a)anthracene	µg/L	0.1		N/A		N/A	LT	0.0196**	LT	0.0196**		N/A
TICs	µg/L			1 (10.0)		6 (30.0)		0 (0.0)		0 (0.0)		4 (27.0)

PESTICIDES/WATER/GCEC (µg/L)

Laboratory ID Number				UB02166		UB02415		UC00335		UC00336		UB02098
Parameter	Units	CRL										
alpha-BHC	µg/L	0.0025	LT	0.0025**	LT	0.0025**	LT	0.0025**	LT	0.0025**	LT	0.0025**
Endosulfan I	µg/L	0.0025	LT	0.0025**	LT	0.0025**	LT	0.0025**	LT	0.0025**	LT	0.0025**
Aldrin	µg/L	0.0074	LT	0.0074**	LT	0.0074**	LT	0.0074**	LT	0.0074**	LT	0.0074**
beta-BHC	µg/L	0.0099	LT	0.0099**	LT	0.0099**	LT	0.0099**	LT	0.0099**	LT	0.0099**
Endosulfan II	µg/L	0.0077	LT	0.0077**	LT	0.0077**	LT	0.0077**	LT	0.0077**	LT	0.0077**
Chlordane	µg/L	0.0312	LT	0.0312**	LT	0.0312**	LT	0.0312**	LT	0.0312**	LT	0.0312**
delta-BHC	µg/L	0.0034	LT	0.0034**	LT	0.0034**	LT	0.0034**	LT	0.0034**	LT	0.0034**
Dieldrin	µg/L	0.0074	LT	0.0074**	LT	0.0074**	LT	0.0074**	LT	0.0074**	LT	0.0074**
Endrin	µg/L	0.0176	LT	0.0176**	LT	0.0176**	LT	0.0176**	LT	0.0176**	LT	0.0176**
Endrin Aldehyde	µg/L	0.0504	LT	0.0504**	LT	0.0504**	LT	0.0504**	LT	0.0504**	LT	0.0504**
Heptachlor	µg/L	0.0025	LT	0.0025**	LT	0.0025**	LT	0.0025**	LT	0.0025**	LT	0.0025**
Heptachlor Epoxide	µg/L	0.0063	LT	0.0063**	LT	0.0063**	LT	0.0063**	LT	0.0063**	LT	0.0063**
Isodrin	µg/L	0.0025	LT	0.0025**	LT	0.0025**	LT	0.0025**	LT	0.0025**	LT	0.0025**
Lindane	µg/L	0.0025	LT	0.0025**	LT	0.0025**	LT	0.0025**	LT	0.0025**	LT	0.0025**
Methoxychlor	µg/L	0.075	LT	0.075**	LT	0.075**	LT	0.075**	LT	0.075**	LT	0.075**
PCB-1016	µg/L	0.385	LT	0.385**	LT	0.385**	LT	0.385**	LT	0.385**	LT	0.385**
PCB-1260	µg/L	0.176	LT	0.176**	LT	0.176**	LT	0.176**	LT	0.176**	LT	0.176**
4,4'-DDD	µg/L	0.0081	LT	0.0081**	LT	0.0081**	LT	0.0081**	LT	0.0081**	LT	0.0081**
4,4'-DDE	µg/L	0.0039	LT	0.0039**	LT	0.0039**	LT	0.0039**	LT	0.0039**	LT	0.0039**
4,4'-DDT	µg/L	0.0025	LT	0.0025**	LT	0.0025**	LT	0.0025**	LT	0.0025**		0.00316** U
Toxaphene	µg/L	1.64	LT	1.64**	LT	1.64**	LT	1.64**	LT	1.64**	LT	1.64**

Table F-6. Data Summary Table: Groundwater - Equipment Rinsates, Fort McClellan, Anniston Alabama (Continued)

Site ID			LF1-S03		LF1-S04		LF2-G01		LF2-G02		OLF-S11	
Field Sample Number			SAICRB01		SAICRB11		SAICRB44		SAICRB45		SAICRB01	
Site Type			RNSW		RNSW		RNSW		RNSW		RNSW	
Collection Date			4/18/94		4/26/94		1/27/95		1/27/95		4/17/94	
Depth (ft)			0		0		0		0		0	
Associated Field QC Sample - Site ID			LF1-S03		N/A						OLF-S11	
Associated Field QC Sample - Field Sample No.			SAICTB12		N/A						SAICTB10	
Associated Field QC Sample - Site ID			LF1-S03		N/A						OLF-S11	
Associated Field QC Sample - Field Sample No.			SAICRB01		N/A						SAICRB01	
EXPLOSIVES/WATER/HPLC (µg/L)												
Laboratory ID Number			UB02188		UB02415		UC00335		UC00336		UB02098	
Parameter	Units	CRL										
1,3,5-Trinitrobenzene	µg/L	0.21	0.684** HU I	LT	0.21**		LT 0.21**		LT 0.21**		0.6** HU I	
1,3-Dinitrobenzene	µg/L	0.458	LT 0.458**	LT	0.458**		LT 0.458**		LT 0.458**		LT 0.458**	
2,4,6-Trinitrotoluene	µg/L	0.426	LT 0.426**	LT	0.426**	J	LT 0.426**		LT 0.426**		LT 0.426**	
2,4-Dinitrotoluene	µg/L	0.397	LT 0.397**	LT	0.397**	J	LT 0.397**		LT 0.397**		LT 0.397**	
2,6-Dinitrotoluene	µg/L	0.6	LT 0.6**	LT	0.6**		LT 0.6**		LT 0.6**		LT 0.6**	
Cyclotetramethylenetetranitra	µg/L	0.533	LT 0.533**	LT	0.533**		LT 0.533**		LT 0.533**		LT 0.533**	
Nitrobenzene	µg/L	0.682	LT 0.682**	LT	0.682**		LT 0.682**		LT 0.682**		LT 0.682**	
Hexahydro-1,3,5-trinitro-1,3,	µg/L	0.416	LT 0.416**	LT	0.416**		LT 0.416**		LT 0.416**		LT 0.416**	
N-methyl-N,2,4,6-tetranitroan	µg/L	0.631	LT 0.631**	LT	0.631**		LT 0.631**		LT 0.631**		LT 0.631**	
NG and PETN/WATER/HPLC (µg/L)												
Laboratory ID Number			UB02188		UB02415						UB02098	
Parameter	Units	CRL										
Nitroglycerine	µg/L	1.49	LT 1.49**	LT	1.49**						LT 1.49**	
Pentaerythritol tetranitrate	µg/L	2	LT 2**	LT	2**						LT 2**	
ORGANOSULFURS/WATER/GCFP (µg/L)												
Laboratory ID Number			N/A		N/A		MCBW*100		MCBW*99		N/A	
Parameter	Units	CRL										
Benzothiazole	µg/L	2.11	N/A		N/A		LT 2.11*		LT 2.11*		N/A	
p-Chlorophenylmethyl sulfide	µg/L	1.26	N/A		N/A		LT 1.26*		LT 1.26*		N/A	
p-Chlorophenylmethyl sulfoxid	µg/L	4.23	N/A		N/A		LT 4.23*		LT 4.23*		N/A	
p-Chlorophenylmethyl sulfone	µg/L	4.72	N/A		N/A		LT 4.72*		LT 4.72*		N/A	
Dithiane	µg/L	1.11	N/A		N/A		LT 1.11*		LT 1.11*		N/A	
Dimethyl disulfide	µg/L	1.14	N/A		N/A		LT 1.14*		LT 1.14*		N/A	
1,4-Oxathiane	µg/L	1.98	N/A		N/A		LT 1.98*		LT 1.98*		N/A	
ORGANICS/WATER/IC (µg/L)												
Laboratory ID Number			N/A		N/A		MCBW*100		MCBW*99		N/A	
Parameter	Units	CRL										
Chloroacetic acid	µg/L	25	N/A		N/A		LT 25**		LT 25**		N/A	
Fluoroacetic acid	µg/L	25	N/A		N/A		LT 25**		LT 25**		N/A	
Isopropyl methylphosphonate	µg/L	25	N/A		N/A		LT 25**		LT 25**		N/A	
Methylphosphonic acid	µg/L	50	N/A		N/A		LT 50**		LT 50**		N/A	

Table F-6. Data Summary Table: Groundwater - Equipment Rinsates, Fort McClellan, Anniston Alabama (Continued)

Site ID			LF1-S03	LF1-S04	LF2-G01	LF2-G02	OLF-S11
Field Sample Number			SAICRB01	SAICRB11	SAICRB44	SAICRB45	SAICRB01
Site Type			RNSW	RNSW	RNSW	RNSW	RNSW
Collection Date			4/19/94	4/26/94	1/27/95	1/27/95	4/17/94
Depth (ft)			0	0	0	0	0
Associated Field QC Sample - Site ID			LF1-S03	N/A			OLF-S11
Associated Field QC Sample - Field Sample No.			SAICTB12	N/A			SAICTB10
Associated Field QC Sample - Site ID			LF1-S03	N/A			OLF-S11
Associated Field QC Sample - Field Sample No.			SAICRB01	N/A			SAICRB01
ORGANOSULFURS/WATER/HPLC (µg/L)							
Laboratory ID Number			N/A	N/A	MCBW*100	MCBW*99	N/A
Parameter	Units	CRL					
Thiodiglycol	µg/L	48.8	N/A	N/A	LT 48.8**	LT 48.8**	N/A
Thiodiglycolic acid	µg/L	52.7	N/A	N/A			N/A
ORGANOPHOSPHOR/WATER/GCFP (µg/L)							
Laboratory ID Number			N/A	N/A	MCBW*100	MCBW*99	N/A
Parameter	Units	CRL					
Diisopropyl methylphosphonate	µg/L	10.5	N/A	N/A	LT 10.5**	LT 10.5**	N/A
Dimethyl methylphosphonate	µg/L	15.2	N/A	N/A	LT 15.2**	LT 15.2**	N/A
ISOPROPYLAMINE IN WATER							
Laboratory ID Number			N/A	N/A	MCBW*100	MCBW*99	N/A
Parameter	Units	CRL					
Isopropylamine	µg/L	100	N/A	N/A	LT 100**	LT 100**	N/A
HEXA-WA							
Laboratory ID Number			N/A	N/A	N/A	N/A	N/A
Parameter	Units	CRL					
Hexachlorocyclopentadiene	µg/L	54	N/A	N/A	N/A	N/A	N/A
Hexachlorobenzene	µg/L	12	N/A	N/A	N/A	N/A	N/A
BIOLOGICAL OXYGEN DEMAND (µg/g)							
Laboratory ID Number			N/A	N/A	N/A	N/A	N/A
Parameter	Units	CRL					
Biological Oxygen Demand	µg/L	4000	N/A	N/A	N/A	N/A	N/A

Table F-6. Data Summary Table: Groundwater - Equipment Rinsates, Fort McClellan, Anniston Alabama (Continued)

Site ID			OLF-S13	OLF-S16	OLF-S17	OLF-S20	T24A-S03
Field Sample Number			SAICRB01	SAICRB01	SAICRB41	SAICRB01	SAICRB23
Site Type			RNSW	RNSW	RNSW	RNSW	RNSW
Collection Date			4/16/94	4/18/94	7/5/94	4/14/94	5/24/94
Depth (ft)			0	0	0	0	0
Associated Field QC Sample - Site ID			OLF-S13	OLF-S16		OLF-S20	
Associated Field QC Sample - Field Sample No.			SAICTB08	SAICTB11		SAICTB05	
Associated Field QC Sample - Site ID			OLF-S13	OLF-S16		OLF-S20	
Associated Field QC Sample - Field Sample No.			SAICRB01	SAICRB01		SAICRB01	
METALS/WATER (µg/L)							
Laboratory ID Number			N/A	N/A	N/A	N/A	N/A
Parameter	Units	CRL					
Antimony	µg/L	3	N/A	N/A	N/A	N/A	N/A
Arsenic	µg/L	2.35	N/A	N/A	N/A	N/A	N/A
Lead	µg/L	4.47	N/A	N/A	N/A	N/A	N/A
Selenium	µg/L	2.53	N/A	N/A	N/A	N/A	N/A
Thallium	µg/L	1	N/A	N/A	N/A	N/A	N/A
Mercury	µg/L	0.1	N/A	N/A	N/A	N/A	N/A
Silver	µg/L	10	N/A	N/A	N/A	N/A	N/A
Aluminum	µg/L	112	N/A	N/A	N/A	N/A	N/A
Boron	µg/L	230	N/A	N/A	N/A	N/A	N/A
Barium	µg/L	2.82	N/A	N/A	N/A	N/A	N/A
Beryllium	µg/L	1.12	N/A	N/A	N/A	N/A	N/A
Cadmium	µg/L	4	N/A	N/A	N/A	N/A	N/A
Calcium	µg/L	105	N/A	N/A	N/A	N/A	N/A
Cobalt	µg/L	25	N/A	N/A	N/A	N/A	N/A
Copper	µg/L	18.8	N/A	N/A	N/A	N/A	N/A
Chromium	µg/L	16.8	N/A	N/A	N/A	N/A	N/A
Iron	µg/L	77.5	N/A	N/A	N/A	N/A	N/A
Potassium	µg/L	1240	N/A	N/A	N/A	N/A	N/A
Magnesium	µg/L	135	N/A	N/A	N/A	N/A	N/A
Manganese	µg/L	9.67	N/A	N/A	N/A	N/A	N/A
Molybdenum	µg/L	52.7	N/A	N/A	N/A	N/A	N/A
Sodium	µg/L	279	N/A	N/A	N/A	N/A	N/A
Nickel	µg/L	32.1	N/A	N/A	N/A	N/A	N/A
Tin	µg/L	59.9	N/A	N/A	N/A	N/A	N/A
Tellurium	µg/L	118	N/A	N/A	N/A	N/A	N/A
Vanadium	µg/L	27.6	N/A	N/A	N/A	N/A	N/A
Zinc	µg/L	18	N/A	N/A	N/A	N/A	N/A

VOLATILES/WATER (µg/L)												
Laboratory ID Number			UB02095		UB02100		UB04539		UB01942		UB03203	
Parameter	Units	CRL										
1,1,1-Trichloroethane	µg/L	1	LT	1**	LT	1**	LT	1**	LT	1**	LT	1**
1,1,2-Trichloroethane	µg/L	1	LT	1**	LT	1**	LT	1**	LT	1**	LT	1**
1,1-Dichloroethene	µg/L	1	LT	1**	LT	1**	LT	1**	LT	1**	LT	1**
1,1-Dichloroethane	µg/L	1	LT	1**	LT	1**	LT	1**	LT	1**	LT	1**
1,2-Dichloroethene	µg/L	5	LT	5**	LT	5**	LT	5**	LT	5**	LT	5**
1,2-Dichloroethane	µg/L	1	LT	1**	LT	1**	LT	1**	LT	1**	LT	1**
1,2-Dichloropropane	µg/L	1	LT	1**	LT	1**	LT	1**	LT	1**	LT	1**
1,3-Dichlorobenzene	µg/L	1	LT	1**	LT	1**	LT	1**	LT	1**	LT	1**

Table F-6. Data Summary Table: Groundwater - Equipment Rinsates, Fort McClellan, Anniston Alabama (Continued)

Site ID				OLF-S13		OLF-S16		OLF-S17		OLF-S20		T24A-S03
Field Sample Number				SAICRB01		SAICRB01		SAICRB41		SAICRB01		SAICRB23
Site Type				RNSW		RNSW		RNSW		RNSW		RNSW
Collection Date				4/16/94		4/16/94		7/5/94		4/14/94		5/24/94
Depth (ft)				0		0		0		0		0
Associated Field QC Sample - Site ID				OLF-S13		OLF-S16				OLF-S20		
Associated Field QC Sample - Field Sample No.				SAICTB08		SAICTB11				SAICTB05		
Associated Field QC Sample - Site ID				OLF-S13		OLF-S16				OLF-S20		
Associated Field QC Sample - Field Sample No.				SAICRB01		SAICRB01				SAICRB01		
1,3-Dichloropropane	µg/L	4.8	LT	4.8**	LT	4.8**	LT	4.8**	LT	4.8**	LT	4.8**
1,3-Dimethylbenzene	µg/L	1	LT	1**	LT	1**	LT	1**	LT	1**	LT	1**
2-Chloroethylvinyl Ether	µg/L	3.5	LT	3.5**	LT	3.5**	LT	3.5**	LT	3.5**	LT	3.5**
Acetone	µg/L	8	LT	8**	LT	8**	LT	8**	LT	8**	LT	8**
Acrylonitrile	µg/L	8.4	LT	8.4**	LT	8.4**	LT	8.4**	LT	8.4**	LT	8.4**
Bromodichloromethane	µg/L	1	LT	1**	LT	1**	LT	1**	LT	1**	LT	1**
Chloroethane	µg/L	8	LT	8**	LT	8**	LT	8**	LT	8**	LT	8**
Benzene	µg/L	1	LT	1**	LT	1**	LT	1**	LT	1**	LT	1**
Trichlorofluoromethane	µg/L	1	LT	1**	LT	1**	LT	1**	LT	1**	LT	1**
Carbon Tetrachloride	µg/L	1	LT	1**	LT	1**	LT	1**	LT	1**	LT	1**
Methylene Chloride	µg/L	1	LT	1**	LT	1**	LT	1**	LT	1**	LT	1**
Bromomethane	µg/L	14	LT	14**	LT	14**	LT	14**	LT	14**	LT	14**
Chloromethane	µg/L	1.2	LT	1.2**	LT	1.2**	LT	1.2**	LT	1.2**	LT	1.2**
Bromoform	µg/L	11	LT	11**	LT	11**	LT	11**	LT	11**	LT	11**
Chloroform	µg/L	1		6.1**		6**	LT	1**		8.8**		1.9**
Chlorobenzene	µg/L	1	LT	1**	LT	1**	LT	1**	LT	1**	LT	1**
Dibromochloromethane	µg/L	1	LT	1**	LT	1**	LT	1**	LT	1**	LT	1**
Ethylbenzene	µg/L	1	LT	1**	LT	1**	LT	1**	LT	1**	LT	1**
Toluene	µg/L	1	LT	1**	LT	1**	LT	1**	LT	1**	LT	1**
Methylethylketone	µg/L	10	LT	10**	LT	10**	LT	10**	LT	10**	LT	10**
Methylisobutylketone	µg/L	1.4	LT	1.4**	LT	1.4**	LT	1.4**	LT	1.4**	LT	1.4**
1,1,2,2-Tetrachloroethane	µg/L	1.5	LT	1.5**	LT	1.5**	LT	1.5**	LT	1.5**	LT	1.5**
Tetrachloroethene	µg/L	1	LT	1**	LT	1**	LT	1**	LT	1**	LT	1**
Trichloroethene	µg/L	1	LT	1**	LT	1**	LT	1**	LT	1**	LT	1**
1,2-Dimethylbenzene	µg/L	2	LT	2**	LT	2**	LT	2**	LT	2**	LT	2**
Vinyl Chloride	µg/L	1		N/A		N/A	LT	1**		N/A	LT	1**
TICs	µg/L			0 (0.0)		0 (0.0)		0 (0.0)		0 (0.0)		0 (0.0)

SEMIVOLATILES/WATER (µg/L)

Laboratory ID Number				UB02095		UB02100		UB04539		UB01942		UB03203
Parameter	Units	CRL										
1,2,3-Trichlorobenzene	µg/L	5.8	LT	5.8**	LT	5.8**	LT	5.8**	LT	5.8**	LT	5.8**
1,2,4-Trichlorobenzene	µg/L	2.4	LT	2.4**	LT	2.4**	LT	2.4**	LT	2.4**	LT	2.4**
1,2-Dichlorobenzene	µg/L	1.2	LT	1.2**	LT	1.2**	LT	1.2**	LT	1.2**	LT	1.2**
1,2-Diphenylhydrazine	µg/L	13	LT	13**	LT	13**	LT	13**	LT	13**	LT	13**
1,3-Dichlorobenzene	µg/L	3.4	LT	3.4**	LT	3.4**	LT	3.4**	LT	3.4**	LT	3.4**
1,4-Dichlorobenzene	µg/L	1.5	LT	1.5**	LT	1.5**	LT	1.5**	LT	1.5**	LT	1.5**
2,3,6-Trichlorophenol	µg/L	1.7	LT	1.7**	LT	1.7**	LT	1.7**	LT	1.7**	LT	1.7**
2,4,5-Trichlorophenol	µg/L	2.8	LT	2.8**	LT	2.8**	LT	2.8**	LT	2.8**	LT	2.8**
2,4,6-Trichlorophenol	µg/L	3.6	LT	3.6**	LT	3.6**	LT	3.6**	LT	3.6**	LT	3.6**
2,4-Dichlorophenol	µg/L	8.4	LT	8.4**	LT	8.4**	LT	8.4**	LT	8.4**	LT	8.4**
2,4-Dimethylphenol	µg/L	4.4	LT	4.4**	LT	4.4**	LT	4.4**	LT	4.4**	LT	4.4**
2,4-Dinitrophenol	µg/L	176	LT	180**	LT	180**	LT	180**	LT	180**	LT	180**

Table F-6. Data Summary Table: Groundwater - Equipment Rinsates, Fort McClellan, Anniston Alabama (Continued)

Site ID			OLF-S13		OLF-S16		OLF-S17		OLF-S20		T24A-S03
Field Sample Number			SAICRB01		SAICRB01		SAICRB41		SAICRB01		SAICRB23
Site Type			RNSW		RNSW		RNSW		RNSW		RNSW
Collection Date			4/18/94		4/18/94		7/5/94		4/14/94		5/24/94
Depth (ft)			0		0		0		0		0
Associated Field QC Sample - Site ID			OLF-S13		OLF-S16				OLF-S20		
Associated Field QC Sample - Field Sample No.			SAICTB08		SAICTB11				SAICTB05		
Associated Field QC Sample - Site ID			OLF-S13		OLF-S16				OLF-S20		
Associated Field QC Sample - Field Sample No.			SAICRB01		SAICRB01				SAICRB01		
2,6-Dinitroaniline	µg/L	6.6	LT 6.6**	LT 6.6**	LT 6.6**	LT 6.6**	LT 6.6**
2-Chlorophenol	µg/L	2.6	LT 2.6**	LT 2.6**	LT 2.6**	LT 2.6**	LT 2.6**
2-Chloronaphthalene	µg/L	2.6	LT 2.6**	LT 2.6**	LT 2.6**	LT 2.6**	LT 2.6**
2-Methylnaphthalene	µg/L	1.3	LT 1.3**	LT 1.3**	LT 1.3**	LT 1.3**	LT 1.3**
2-Methyl Phenol	µg/L	3.6	LT 3.6**	LT 3.6**	LT 3.6**	LT 3.6**	LT 3.6**
2-Nitrophenol	µg/L	8.2	LT 8.2**	LT 8.2**	LT 8.2**	LT 8.2**	LT 8.2**
3,3'-Dichlorobenzidine	µg/L	5	LT 5**	LT 5**	LT 5**	LT 5**	LT 5**
3,5-Dinitro-aniline	µg/L	21	LT 21**	LT 21**	LT 21**	LT 21**	LT 21**
3-Nitroaniline	µg/L	15	LT 15**	LT 15**	LT 15**	LT 15**	LT 15**
3-Nitrotoluene	µg/L	2.9	LT 2.9**	LT 2.9**	LT 2.9**	LT 2.9**	LT 2.9**
4-Bromophenyl Phenyl Ether	µg/L	22	LT 22**	LT 22**	LT 22**	LT 22**	LT 22**
4-Chloro-3-methylphenol	µg/L	8.5	LT 8.5**	LT 8.5**	LT 8.5**	LT 8.5**	LT 8.5**
4-Chlorophenyl Phenyl Ether	µg/L	23	LT 23**	LT 23**	LT 23**	LT 23**	LT 23**
4-Methyl Phenol	µg/L	2.8	LT 2.8**	LT 2.8**	LT 2.8**	LT 2.8**	LT 2.8**
4-Nitrophenol	µg/L	96	LT 96**	LT 96**	LT 96**	LT 96**	LT 96**
Acenaphthene	µg/L	5.6	LT 5.6**	LT 5.6**	LT 5.6**	LT 5.6**	LT 5.6**
Acenaphthylene	µg/L	5.1	LT 5.1**	LT 5.1**	LT 5.1**	LT 5.1**	LT 5.1**
Anthracene	µg/L	5.2	LT 5.2**	LT 5.2**	LT 5.2**	LT 5.2**	LT 5.2**
Atrazine	µg/L	5.9	LT 5.9**	LT 5.9**	LT 5.9**	LT 5.9**	LT 5.9**
bis(2-Chloroethoxy) Methane	µg/L	6.6	LT 6.6**	LT 6.6**	LT 6.6**	LT 6.6**	LT 6.6**
bis(2-Chloroisopropyl) Ether	µg/L	5	LT 5**	LT 5**	LT 5**	LT 5**	LT 5**
bis(2-Chloroethyl)ether	µg/L	0.68	LT 0.68**	LT 0.68**	LT 0.68**	LT 0.68**	LT 0.68**
bis(2-Ethylhexyl)phthalate	µg/L	7.7	LT 7.7**	LT 7.7**	LT 7.7**	LT 7.7**	LT 7.7**
Butyl Benzyl Phthalate	µg/L	28	LT 28**	LT 28**	LT 28**	LT 28**	LT 28**
Benzo(g,h,i)perylene	µg/L	15	LT 15**	LT 15**	LT 15**	LT 15**	LT 15**
Bromacil	µg/L	2.9	LT 2.9**	LT 2.9**	LT 2.9**	LT 2.9**	LT 2.9**
Benzyl Alcohol	µg/L	4	LT 4**	LT 4**	LT 4**	LT 4**	LT 4**
Hexachloroethane	µg/L	8.3	LT 8.3**	LT 8.3**	LT 8.3**	LT 8.3**	LT 8.3**
Dibromochloropropane	µg/L	12	LT 12**	LT 12**	LT 12**	LT 12**	LT 12**
Dibenzofuran	µg/L	5.1	LT 5.1**	LT 5.1**	LT 5.1**	LT 5.1**	LT 5.1**
Dicyclopentadiene	µg/L	5.5	LT 5.5**	LT 5.5**	LT 5.5**	LT 5.5**	LT 5.5**
Vapona	µg/L	8.5	LT 8.5**	LT 8.5**	LT 8.5**	LT 8.5**	LT 8.5**
Diethyl Phthalate	µg/L	5.9	LT 5.9**	LT 5.9**	LT 5.9**	LT 5.9**	LT 5.9**
Dimethyl Phthalate	µg/L	2.2	LT 2.2**	LT 2.2**	LT 2.2**	LT 2.2**	LT 2.2**
di-N-Butyl Phthalate	µg/L	33	LT 33**	LT 33**	LT 33**	LT 33**	LT 33**
di-N-Octyl Phthalate	µg/L	1.5	LT 1.5**	LT 1.5**	LT 1.5**	LT 1.5**	LT 1.5**
Endosulfan Sulfate	µg/L	50	LT 50**	LT 50**	LT 50**	LT 50**	LT 50**
Fluoranthene	µg/L	24	LT 24**	LT 24**	LT 24**	LT 24**	LT 24**
Fluorene	µg/L	9.2	LT 9.2**	LT 9.2**	LT 9.2**	LT 9.2**	LT 9.2**
Hexachlorobutadiene	µg/L	8.7	LT 8.7**	LT 8.7**	LT 8.7**	LT 8.7**	LT 8.7**
Isophorone	µg/L	2.4	LT 2.4**	LT 2.4**	LT 2.4**	LT 2.4**	LT 2.4**
Mirex	µg/L	24	LT 24**	LT 24**	LT 24**	LT 24**	LT 24**
Malathion	µg/L	21	LT 21**	LT 21**	LT 21**	LT 21**	LT 21**
Naphthalene	µg/L	0.5	LT 0.5**	LT 0.5**	LT 0.5**	LT 0.5**	LT 0.5**

Table F-6. Data Summary Table: Groundwater - Equipment Rinsates, Fort McClellan, Anniston Alabama (Continued)

Site ID				OLF-S13		OLF-S16		OLF-S17		OLF-S20		T24A-S03
Field Sample Number				SAICRB01		SAICRB01		SAICRB41		SAICRB01		SAICRB23
Site Type				RNSW		RNSW		RNSW		RNSW		RNSW
Collection Date				4/16/94		4/18/94		7/5/94		4/14/94		5/24/94
Depth (ft)				0		0		0		0		0
Associated Field QC Sample - Site ID				OLF-S13		OLF-S16				OLF-S20		
Associated Field QC Sample - Field Sample No.				SAICTB08		SAICTB11				SAICTB05		
Associated Field QC Sample - Site ID				OLF-S13		OLF-S16				OLF-S20		
Associated Field QC Sample - Field Sample No.				SAICRB01		SAICRB01				SAICRB01		
Nitrobenzene	µg/L	3.7	LT	3.7**	LT	3.7**	LT	3.7**	LT	3.7**	LT	3.7**
N-Nitrosodimethylamine	µg/L	9.7	LT	9.7**	LT	9.7**	LT	9.7**	LT	9.7**	LT	9.7**
N-Nitroso-di-N-propylamine	µg/L	6.8	LT	6.8**	LT	6.8**	LT	6.8**	LT	6.8**	LT	6.8**
N-Nitrosodiphenylamine	µg/L	3.7	LT	3.7**	LT	3.7**	LT	3.7**	LT	3.7**	LT	3.7**
Phenanthrene	µg/L	9.9	LT	9.9**	LT	9.9**	LT	9.9**	LT	9.9**	LT	9.9**
Phenol	µg/L	2.2	LT	2.2**	LT	2.2**	LT	2.2**	LT	2.2**	LT	2.2**
Parathion	µg/L	37	LT	37**	LT	37**	LT	37**	LT	37**	LT	37**
Pyrene	µg/L	17	LT	17**	LT	17**	LT	17**	LT	17**	LT	17**
Supona	µg/L	19	LT	19**	LT	19**	LT	19**	LT	19**	LT	19**
Pentachlorophenol	µg/L	1		N/A		N/A	LT	1**		N/A	LT	1**
Benzo(a)pyrene	µg/L	0.2		N/A		N/A	LT	0.021**		N/A		0.61** D
Benzo(b)fluoranthene	µg/L	0.2		N/A		N/A	LT	0.04**		N/A	LT	0.04** D
Benzo(k)fluoranthene	µg/L	0.2		N/A		N/A	LT	0.019**		N/A	LT	0.019** D
Chrysene	µg/L	0.2		N/A		N/A	LT	0.02**		N/A		0.64** D
Dibenzo(a,h)anthracene	µg/L	0.3		N/A		N/A	LT	0.04**		N/A	LT	0.04** D
Indeno(1,2,3-cd)pyrene	µg/L	0.4		N/A		N/A	LT	0.02**		N/A	LT	0.02** D
Benzo(a)anthracene	µg/L	0.1		N/A		N/A	LT	0.02**		N/A	LT	0.02**
TICs	µg/L			2 (18.0)		2 (12.0)		1 (5.0)		0 (0.0)		0 (0.0)

PESTICIDES/WATER/GCEC (µg/L)

Laboratory ID Number				UB02095		UB02100		UB04539		UB01942		N/A
Parameter	Units	CRL										
alpha-BHC	µg/L	0.0025	LT	0.0025**	LT	0.0025**	LT	0.0025**	LT	0.0025**		N/A
Endosulfan I	µg/L	0.0025	LT	0.0025**	LT	0.0025**	LT	0.0025**	LT	0.0025**		N/A
Aldrin	µg/L	0.0074	LT	0.0074**	LT	0.0074**	LT	0.0074**	LT	0.0074**		N/A
beta-BHC	µg/L	0.0099	LT	0.0099**	LT	0.0099**	LT	0.0099**	LT	0.0099**		N/A
Endosulfan II	µg/L	0.0077	LT	0.0077**	LT	0.0077**	LT	0.0077**	LT	0.0077**		N/A
Chlordane	µg/L	0.0312	LT	0.0312**	LT	0.0312**	LT	0.0312**	LT	0.0312**		N/A
delta-BHC	µg/L	0.0034	LT	0.0034**	LT	0.0034**	LT	0.0034**	LT	0.0034**		N/A
Dieldrin	µg/L	0.0074	LT	0.0074**	LT	0.0074**	LT	0.0074**	LT	0.0074**		N/A
Endrin	µg/L	0.0176	LT	0.0176**	LT	0.0176**	LT	0.0176**	LT	0.0176**		N/A
Endrin Aldehyde	µg/L	0.0504	LT	0.0504**	LT	0.0504**	LT	0.0504**	LT	0.0504**		N/A
Heptachlor	µg/L	0.0025	LT	0.0025**	LT	0.0025**	LT	0.0025**	LT	0.0025**		N/A
Heptachlor Epoxide	µg/L	0.0063	LT	0.0063**	LT	0.0063**	LT	0.0063**	LT	0.0063**		N/A
Isodrin	µg/L	0.0025	LT	0.0025**	LT	0.0025**	LT	0.0025**	LT	0.0025**		N/A
Lindane	µg/L	0.0025	LT	0.0025**	LT	0.0025**	LT	0.0025**	LT	0.0025**		N/A
Methoxychlor	µg/L	0.075	LT	0.075**	LT	0.075**	LT	0.075**	LT	0.075**		N/A
PCB-1016	µg/L	0.385	LT	0.385**	LT	0.385**	LT	0.385**	LT	0.385**		N/A
PCB-1260	µg/L	0.176	LT	0.176**	LT	0.176**	LT	0.176**	LT	0.176**		N/A
4,4'-DDD	µg/L	0.0081	LT	0.0081**	LT	0.0081**	LT	0.0081**	LT	0.0081**		N/A
4,4'-DDE	µg/L	0.0039	LT	0.0039**	LT	0.0039**	LT	0.0039**	LT	0.0039**		N/A
4,4'-DDT	µg/L	0.0025	LT	0.0025**	LT	0.0025**	LT	0.0025**	LT	0.0025**		N/A
Toxaphene	µg/L	1.64	LT	1.64**	LT	1.64**	LT	1.64**	LT	1.64**		N/A

Table F-6. Data Summary Table: Groundwater - Equipment Rinsates, Fort McClellan, Anniston Alabama (Continued)

Site ID			OLF-S13			OLF-S16			OLF-S17			OLF-S20			T24A-S03	
Field Sample Number			SAICRB01			SAICRB01			SAICRB41			SAICRB01			SAICRB23	
Site Type			RNSW			RNSW			RNSW			RNSW			RNSW	
Collection Date			4/16/94			4/16/94			7/5/94			4/14/94			5/24/94	
Depth (ft)			0			0			0			0			0	
Associated Field QC Sample - Site ID			OLF-S13			OLF-S16						OLF-S20				
Associated Field QC Sample - Field Sample No.			SAICTB08			SAICTB11						SAICTB05				
Associated Field QC Sample - Site ID			OLF-S13			OLF-S16						OLF-S20				
Associated Field QC Sample - Field Sample No.			SAICRB01			SAICRB01						SAICRB01				
EXPLOSIVES/WATER/HPLC (µg/L)																
Laboratory ID Number			UB02095			UB02100			UB04539			UB01942			UB03203	
Parameter	Units	CRL														
1,3,5-Trinitrobenzene	µg/L	0.21	0.66** HU	I		LT 0.21** H	I		LT 0.21**			LT 0.21** 7	JNR		0.309** 7U	I
1,3-Dinitrobenzene	µg/L	0.458	LT 0.458**			LT 0.458**			LT 0.458**			LT 0.458** 7	JNR		LT 0.458**	
2,4,6-Trinitrotoluene	µg/L	0.426	LT 0.426**			LT 0.426**			LT 0.426**			LT 0.426** 7	JNR		LT 0.426**	
2,4-Dinitrotoluene	µg/L	0.397	LT 0.397**			LT 0.397**			LT 0.397**			LT 0.397** 7	JNR		LT 0.397**	
2,6-Dinitrotoluene	µg/L	0.6	LT 0.6**			LT 0.6**			LT 0.6**			LT 0.6** 7	JNR		LT 0.6**	
Cyclotetramethylenetetranitra	µg/L	0.533	LT 0.533**			LT 0.533**			LT 0.533**			LT 0.533** 7	JNR		LT 0.533**	
Nitrobenzene	µg/L	0.682	LT 0.682**			LT 0.682**			LT 0.682**			LT 0.682** 7	JNR		LT 0.682**	
Hexahydro-1,3,5-trinitro-1,3,	µg/L	0.416	LT 0.416**			LT 0.416**			LT 0.416**			LT 0.416** 7	JNR		LT 0.416**	
N-methyl-N,2,4,6-tetranitroan	µg/L	0.631	LT 0.631**			LT 0.631**			LT 0.631**			LT 0.631** 7	JNR		LT 0.631**	
NG and PETN/WATER/HPLC (µg/L)																
Laboratory ID Number			UB02095			UB02100			UB04539			UB01942			UB03203	
Parameter	Units	CRL														
Nitroglycerine	µg/L	1.49	LT 1.49**			LT 1.49**			LT 1.49**			LT 1.49**			LT 1.49**	
Pentaerythritol tetranitrate	µg/L	2	LT 2**			LT 2**			LT 2**			LT 2** H			LT 2**	
ORGANOSULFURS/WATER/GCFP (µg/L)																
Laboratory ID Number			N/A			N/A			N/A			N/A				
Parameter	Units	CRL														
Benzothiazole	µg/L	2.11	N/A			N/A			N/A			N/A				
p-Chlorophenylmethyl sulfide	µg/L	1.26	N/A			N/A			N/A			N/A				
p-Chlorophenylmethyl sulfoxid	µg/L	4.23	N/A			N/A			N/A			N/A				
p-Chlorophenylmethyl sulfone	µg/L	4.72	N/A			N/A			N/A			N/A				
Dithiane	µg/L	1.11	N/A			N/A			N/A			N/A				
Dimethyl disulfide	µg/L	1.14	N/A			N/A			N/A			N/A				
1,4-Oxathiane	µg/L	1.98	N/A			N/A			N/A			N/A				
ORGANICS/WATER/IC (µg/L)																
Laboratory ID Number			N/A			N/A			N/A			N/A			MCBW*23	
Parameter	Units	CRL														
Chloroacetic acid	µg/L	25	N/A			N/A			N/A			N/A			LT 25*	
Fluoroacetic acid	µg/L	25	N/A			N/A			N/A			N/A			LT 25*	
Isopropyl methylphosphonate	µg/L	25	N/A			N/A			N/A			N/A			LT 25*	
Methylphosphonic acid	µg/L	50	N/A			N/A			N/A			N/A			LT 50*	

Table F-6. Data Summary Table: Groundwater - Equipment Rinsates, Fort McClellan, Anniston Alabama (Continued)

Site ID			OLF-S13	OLF-S16	OLF-S17	OLF-S20		T24A-S03
Field Sample Number			SAICRB01	SAICRB01	SAICRB41	SAICRB01		SAICRB23
Site Type			RNSW	RNSW	RNSW	RNSW		RNSW
Collection Date			4/16/94	4/18/94	7/5/94	4/14/94		5/24/94
Depth (ft)			0	0	0	0		0
Associated Field QC Sample - Site ID			OLF-S13	OLF-S16		OLF-S20		
Associated Field QC Sample - Field Sample No.			SAICTB08	SAICTB11		SAICTB05		
Associated Field QC Sample - Site ID			OLF-S13	OLF-S16		OLF-S20		
Associated Field QC Sample - Field Sample No.			SAICRB01	SAICRB01		SAICRB01		
ORGANOSULFURS/WATER/HPLC (µg/L)								
Laboratory ID Number			N/A	N/A	N/A	N/A		MCBW*23
Parameter	Units	CRL						
Thiodiglycol	µg/L	48.8	N/A	N/A	N/A	N/A	LT	146*
Thiodiglycolic acid	µg/L	52.7	N/A	N/A	N/A	N/A		
ORGANOPHOSPHOR/WATER/GCFP (µg/L)								
Laboratory ID Number			N/A	N/A	N/A	N/A		MCBW*23
Parameter	Units	CRL						
Diisopropyl methylphosphonate	µg/L	10.5	N/A	N/A	N/A	N/A	LT	10.5*
Dimethyl methylphosphonate	µg/L	15.2	N/A	N/A	N/A	N/A	LT	15.2*
ISOPROPYLAMINE IN WATER								
Laboratory ID Number			N/A	N/A	N/A	N/A		
Parameter	Units	CRL						
Isopropylamine	µg/L	100	N/A	N/A	N/A	N/A		
HEXA-WA								
Laboratory ID Number			N/A	N/A	N/A	N/A		N/A
Parameter	Units	CRL						
Hexachlorocyclopentadiene	µg/L	54	N/A	N/A	N/A	N/A		N/A
Hexachlorobenzene	µg/L	12	N/A	N/A	N/A	N/A		N/A
BIOLOGICAL OXYGEN DEMAND (µg/g)								
Laboratory ID Number			N/A	N/A	N/A	N/A		N/A
Parameter	Units	CRL						
Biological Oxygen Demand	µg/L	4000	N/A	N/A	N/A	N/A		N/A

Table F-6. Data Summary Table: Groundwater - Equipment Rinsates, Fort McClellan, Anniston Alabama (Continued)

Site ID			T24A-S05	T38-S06	T38-S09	T38-S09	T36-S10
Field Sample Number			SAICRB24	SAICRB25	SAICRB26	SAICRB27	SAICRB18
Site Type			RNSW	RNSW	RNSW	RNSW	RNSW
Collection Date			5/27/94	6/1/94	6/2/94	6/3/94	5/10/94
Depth (ft)			0	0	0	0	0
Associated Field QC Sample - Site ID							N/A
Associated Field QC Sample - Field Sample No.							N/A
Associated Field QC Sample - Site ID							N/A
Associated Field QC Sample - Field Sample No.							N/A
METALS/WATER (µg/L)							
Laboratory ID Number			N/A	N/A	N/A	N/A	N/A
Parameter	Units	CRL					
Antimony	µg/L	3	N/A	N/A	N/A	N/A	N/A
Arsenic	µg/L	2.35	N/A	N/A	N/A	N/A	N/A
Lead	µg/L	4.47	N/A	N/A	N/A	N/A	N/A
Selenium	µg/L	2.53	N/A	N/A	N/A	N/A	N/A
Thallium	µg/L	1	N/A	N/A	N/A	N/A	N/A
Mercury	µg/L	0.1	N/A	N/A	N/A	N/A	N/A
Silver	µg/L	10	N/A	N/A	N/A	N/A	N/A
Aluminum	µg/L	112	N/A	N/A	N/A	N/A	N/A
Boron	µg/L	230	N/A	N/A	N/A	N/A	N/A
Barium	µg/L	2.82	N/A	N/A	N/A	N/A	N/A
Beryllium	µg/L	1.12	N/A	N/A	N/A	N/A	N/A
Cadmium	µg/L	4	N/A	N/A	N/A	N/A	N/A
Calcium	µg/L	105	N/A	N/A	N/A	N/A	N/A
Cobalt	µg/L	25	N/A	N/A	N/A	N/A	N/A
Copper	µg/L	18.8	N/A	N/A	N/A	N/A	N/A
Chromium	µg/L	16.8	N/A	N/A	N/A	N/A	N/A
Iron	µg/L	77.5	N/A	N/A	N/A	N/A	N/A
Potassium	µg/L	1240	N/A	N/A	N/A	N/A	N/A
Magnesium	µg/L	135	N/A	N/A	N/A	N/A	N/A
Manganese	µg/L	9.67	N/A	N/A	N/A	N/A	N/A
Molybdenum	µg/L	52.7	N/A	N/A	N/A	N/A	N/A
Sodium	µg/L	279	N/A	N/A	N/A	N/A	N/A
Nickel	µg/L	32.1	N/A	N/A	N/A	N/A	N/A
Tin	µg/L	59.9	N/A	N/A	N/A	N/A	N/A
Tellurium	µg/L	118	N/A	N/A	N/A	N/A	N/A
Vanadium	µg/L	27.6	N/A	N/A	N/A	N/A	N/A
Zinc	µg/L	18	N/A	N/A	N/A	N/A	N/A
VOLATILES/WATER (µg/L)							
Laboratory ID Number			UB03311	N/A	UB03583	UB03585	UB02877
Parameter	Units	CRL					
1,1,1-Trichloroethane	µg/L	1	LT 1**	N/A	LT 1**	LT 1**	LT 1**
1,1,2-Trichloroethane	µg/L	1	LT 1**	N/A	LT 1**	LT 1**	LT 1**
1,1-Dichloroethene	µg/L	1	LT 1**	N/A	LT 1**	LT 1**	LT 1**
1,1-Dichloroethane	µg/L	1	LT 1**	N/A	LT 1**	LT 1**	LT 1**
1,2-Dichloroethene	µg/L	5	LT 5**	N/A	LT 5**	LT 5**	LT 5**
1,2-Dichloroethane	µg/L	1	LT 1**	N/A	LT 1**	LT 1**	LT 1**
1,2-Dichloropropane	µg/L	1	LT 1**	N/A	LT 1**	LT 1**	LT 1**
1,3-Dichlorobenzene	µg/L	1	LT 1**	N/A	LT 1**	LT 1**	LT 1**

Table F-6. Data Summary Table: Groundwater - Equipment Rinsates, Fort McClellan, Anniston Alabama (Continued)

Site ID				T24A-S05		T38-S06		T38-S09		T38-S09		T38-S10
Field Sample Number				SAICRB24		SAICRB25		SAICRB26		SAICRB27		SAICRB18
Site Type				RNSW		RNSW		RNSW		RNSW		RNSW
Collection Date				5/27/94		6/1/94		6/2/94		6/3/94		5/10/94
Depth (ft)				0		0		0		0		0
Associated Field QC Sample - Site ID												N/A
Associated Field QC Sample - Field Sample No.												N/A
Associated Field QC Sample - Site ID												N/A
Associated Field QC Sample - Field Sample No.												N/A
1,3-Dichloropropane	µg/L	4.8	LT	4.8**		N/A	LT	4.8**	LT	4.8**	LT	4.8**
1,3-Dimethylbenzene	µg/L	1	LT	1**		N/A	LT	1**	LT	1**	LT	1**
2-Chloroethylvinyl Ether	µg/L	3.5	LT	3.5**		N/A	LT	3.5**	LT	3.5**	LT	3.5**
Acetone	µg/L	8	LT	8**		N/A	LT	8**	LT	8**	LT	8**
Acrylonitrile	µg/L	8.4	LT	8.4**		N/A	LT	8.4**	LT	8.4**	LT	8.4**
Bromodichloromethane	µg/L	1	LT	1**		N/A	LT	1**	LT	1**	LT	1**
Chloroethane	µg/L	8	LT	8**		N/A	LT	8**	LT	8**	LT	8**
Benzene	µg/L	1	LT	1**		N/A	LT	1**	LT	1**	LT	1**
Trichlorofluoromethane	µg/L	1	LT	1**		N/A	LT	1**	LT	1**	LT	1**
Carbon Tetrachloride	µg/L	1	LT	1**		N/A	LT	1**	LT	1**	LT	1**
Methylene Chloride	µg/L	1	LT	1**		N/A	LT	1**	LT	1**	LT	1**
Bromomethane	µg/L	14	LT	14**		N/A	LT	14**	LT	14**	LT	14**
Chloromethane	µg/L	1.2	LT	1.2**		N/A	LT	1.2**	LT	1.2**	LT	1.2**
Bromoform	µg/L	11	LT	11**		N/A	LT	11**	LT	11**	LT	11**
Chloroform	µg/L	1		1.1**		N/A		4.5**	LT	1**		5.6**
Chlorobenzene	µg/L	1	LT	1**		N/A	LT	1**	LT	1**	LT	1**
Dibromochloromethane	µg/L	1	LT	1**		N/A	LT	1**	LT	1**	LT	1**
Ethylbenzene	µg/L	1	LT	1**		N/A	LT	1**	LT	1**	LT	1**
Toluene	µg/L	1	LT	1**		N/A	LT	1**	LT	1**	LT	1**
Methylethylketone	µg/L	10	LT	10**		N/A	LT	10**	LT	10**	LT	10**
Methylisobutylketone	µg/L	1.4	LT	1.4**		N/A	LT	1.4**	LT	1.4**	LT	1.4**
1,1,2,2-Tetrachloroethane	µg/L	1.5	LT	1.5**		N/A	LT	1.5**	LT	1.5**	LT	1.5**
Tetrachloroethene	µg/L	1	LT	1**		N/A	LT	1**	LT	1**	LT	1**
Trichloroethene	µg/L	1	LT	1**		N/A	LT	1**	LT	1**	LT	1**
1,2-Dimethylbenzene	µg/L	2	LT	2**		N/A	LT	2**	LT	2**	LT	2**
Vinyl Chloride	µg/L	1	LT	1**		N/A	LT	1**	LT	1**	LT	1**
TICs	µg/L			0 (0.0)		N/A		0 (0.0)		0 (0.0)		0 (0.0)

SEMIVOLATILES/WATER (µg/L)

Laboratory ID Number				UB03311		N/A		UB03583		UB03585		UB02877
Parameter	Units	CRL										
1,2,3-Trichlorobenzene	µg/L	5.8	LT	5.8**		N/A	LT	5.8**	LT	5.8**	LT	5.8**
1,2,4-Trichlorobenzene	µg/L	2.4	LT	2.4**		N/A	LT	2.4**	LT	2.4**	LT	2.4**
1,2-Dichlorobenzene	µg/L	1.2	LT	1.2**		N/A	LT	1.2**	LT	1.2**	LT	1.2**
1,2-Diphenylhydrazine	µg/L	13	LT	13**		N/A	LT	13**	LT	13**	LT	13**
1,3-Dichlorobenzene	µg/L	3.4	LT	3.4**		N/A	LT	3.4**	LT	3.4**	LT	3.4**
1,4-Dichlorobenzene	µg/L	1.5	LT	1.5**		N/A	LT	1.5**	LT	1.5**	LT	1.5**
2,3,6-Trichlorophenol	µg/L	1.7	LT	1.7**		N/A	LT	1.7**	LT	1.7**	LT	1.7**
2,4,5-Trichlorophenol	µg/L	2.8	LT	2.8**		N/A	LT	2.8**	LT	2.8**	LT	2.8**
2,4,6-Trichlorophenol	µg/L	3.6	LT	3.6**		N/A	LT	3.6**	LT	3.6**	LT	3.6**
2,4-Dichlorophenol	µg/L	8.4	LT	8.4**		N/A	LT	8.4**	LT	8.4**	LT	8.4**
2,4-Dimethylphenol	µg/L	4.4	LT	4.4**		N/A	LT	4.4**	LT	4.4**	LT	4.4**
2,4-Dinitrophenol	µg/L	176	LT	180**		N/A	LT	180**	LT	180**	LT	180**

Table F-6. Data Summary Table: Groundwater - Equipment Rinsates, Fort McClellan, Anniston Alabama (Continued)

Site ID				T24A-S05		T38-S06		T38-S09		T38-S09		T38-S10
Field Sample Number				SAICRB24		SAICRB25		SAICRB26		SAICRB27		SAICRB18
Site Type				RNSW		RNSW		RNSW		RNSW		RNSW
Collection Date				5/27/94		6/1/94		6/2/94		6/3/94		5/10/94
Depth (ft)				0		0		0		0		0
Associated Field QC Sample - Site ID												N/A
Associated Field QC Sample - Field Sample No.												N/A
Associated Field QC Sample - Site ID												N/A
Associated Field QC Sample - Field Sample No.												N/A
2,6-Dinitroaniline	µg/L	8.8	LT	8.8**		N/A	LT	8.8**	LT	8.8**	LT	8.8**
2-Chlorophenol	µg/L	2.8	LT	2.8**		N/A	LT	2.8**	LT	2.8**	LT	2.8**
2-Chloronaphthalene	µg/L	2.6	LT	2.6**		N/A	LT	2.6**	LT	2.6**	LT	2.6**
2-Methylnaphthalene	µg/L	1.3	LT	1.3**		N/A	LT	1.3**	LT	1.3**	LT	1.3**
2-Methyl Phenol	µg/L	3.6	LT	3.6**		N/A	LT	3.6**	LT	3.6**	LT	3.6**
2-Nitrophenol	µg/L	8.2	LT	8.2**		N/A	LT	8.2**	LT	8.2**	LT	8.2**
3,3'-Dichlorobenzidine	µg/L	5	LT	5**		N/A	LT	5**	LT	5**	LT	5**
3,5-Dinitro-aniline	µg/L	21	LT	21**		N/A	LT	21**	LT	21**	LT	21**
3-Nitroaniline	µg/L	15	LT	15**		N/A	LT	15**	LT	15**	LT	15**
3-Nitrotoluene	µg/L	2.9	LT	2.9**		N/A	LT	2.9**	LT	2.9**	LT	2.9**
4-Bromophenyl Phenyl Ether	µg/L	22	LT	22**		N/A	LT	22**	LT	22**	LT	22**
4-Chloro-3-methylphenol	µg/L	8.5	LT	8.5**		N/A	LT	8.5**	LT	8.5**	LT	8.5**
4-Chlorophenyl Phenyl Ether	µg/L	23	LT	23**		N/A	LT	23**	LT	23**	LT	23**
4-Methyl Phenol	µg/L	2.8	LT	2.8**		N/A	LT	2.8**	LT	2.8**	LT	2.8**
4-Nitrophenol	µg/L	96	LT	96**		N/A	LT	96**	LT	96**	LT	96**
Acenaphthene	µg/L	5.8	LT	5.8**		N/A	LT	5.8**	LT	5.8**	LT	5.8**
Acenaphthylene	µg/L	5.1	LT	5.1**		N/A	LT	5.1**	LT	5.1**	LT	5.1**
Anthracene	µg/L	5.2	LT	5.2**		N/A	LT	5.2**	LT	5.2**	LT	5.2**
Atrazine	µg/L	5.9	LT	5.9**		N/A	LT	5.9**	LT	5.9**	LT	5.9**
bis(2-Chloroethoxy) Methane	µg/L	6.8	LT	6.8**		N/A	LT	6.8**	LT	6.8**	LT	6.8**
bis(2-Chloroisopropyl) Ether	µg/L	5	LT	5**		N/A	LT	5**	LT	5**	LT	5**
bis(2-Chloroethyl)ether	µg/L	0.68	LT	0.68**		N/A	LT	0.68**	LT	0.68**	LT	0.68**
bis(2-Ethylhexyl)phthalate	µg/L	7.7	LT	7.7**		N/A	LT	7.7**	LT	7.7**	LT	7.7**
Butyl Benzyl Phthalate	µg/L	28	LT	28**		N/A	LT	28**	LT	28**	LT	28**
Benzo(g,h,i)perylene	µg/L	15	LT	15**		N/A	LT	15**	LT	15**	LT	15**
Bromacil	µg/L	2.9	LT	2.9**		N/A	LT	2.9**	LT	2.9**	LT	2.9**
Benzyl Alcohol	µg/L	4	LT	4**		N/A	LT	4**	LT	4**	LT	4**
Hexachloroethane	µg/L	8.3	LT	8.3**		N/A	LT	8.3**	LT	8.3**	LT	8.3**
Dibromochloropropane	µg/L	12	LT	12**		N/A	LT	12**	LT	12**	LT	12**
Dibenzofuran	µg/L	5.1	LT	5.1**		N/A	LT	5.1**	LT	5.1**	LT	5.1**
Dicyclopentadiene	µg/L	5.5	LT	5.5**		N/A	LT	5.5**	LT	5.5**	LT	5.5**
Vapona	µg/L	8.5	LT	8.5**		N/A	LT	8.5**	LT	8.5**	LT	8.5**
Diethyl Phthalate	µg/L	5.9	LT	5.9**		N/A	LT	5.9**	LT	5.9**	LT	5.9**
Dimethyl Phthalate	µg/L	2.2	LT	2.2**		N/A	LT	2.2**	LT	2.2**	LT	2.2**
di-N-Butyl Phthalate	µg/L	33	LT	33**		N/A	LT	33**	LT	33**	LT	33**
di-N-Octyl Phthalate	µg/L	1.5	LT	1.5**		N/A	LT	1.5**	LT	1.5**	LT	1.5**
Endosulfan Sulfate	µg/L	50	LT	50**		N/A	LT	50**	LT	50**	LT	50**
Fluoranthene	µg/L	24	LT	24**		N/A	LT	24**	LT	24**	LT	24**
Fluorene	µg/L	9.2	LT	9.2**		N/A	LT	9.2**	LT	9.2**	LT	9.2**
Hexachlorobutadiene	µg/L	8.7	LT	8.7**		N/A	LT	8.7**	LT	8.7**	LT	8.7**
Isophorone	µg/L	2.4	LT	2.4**		N/A	LT	2.4**	LT	2.4**	LT	2.4**
Mirex	µg/L	24	LT	24**		N/A	LT	24**	LT	24**	LT	24**
Malathion	µg/L	21	LT	21**		N/A	LT	21**	LT	21**	LT	21**
Naphthalene	µg/L	0.5	LT	0.5**		N/A	LT	0.5**	LT	0.5**	LT	0.5**

Table F-6. Data Summary Table: Groundwater - Equipment Rinsates, Fort McClellan, Anniston Alabama (Continued)

Site ID				T24A-S05	T38-S06	T38-S09	T38-S09	T38-S10
Field Sample Number				SAICRB24	SAICRB25	SAICRB26	SAICRB27	SAICRB18
Site Type				RNSW	RNSW	RNSW	RNSW	RNSW
Collection Date				5/27/94	6/1/94	6/2/94	6/3/94	5/10/94
Depth (ft)				0	0	0	0	0
Associated Field QC Sample - Site ID								N/A
Associated Field QC Sample - Field Sample No.								N/A
Associated Field QC Sample - Site ID								N/A
Associated Field QC Sample - Field Sample No.								N/A
Nitrobenzene	µg/L	3.7	LT	3.7**	N/A	LT 3.7**	LT 3.7**	LT 3.7**
N-Nitrosodimethylamine	µg/L	9.7	LT	9.7**	N/A	LT 9.7**	LT 9.7**	LT 9.7**
N-Nitroso-di-N-propylamine	µg/L	6.8	LT	6.8**	N/A	LT 6.8**	LT 6.8**	LT 6.8**
N-Nitrosodiphenylamine	µg/L	3.7	LT	3.7**	N/A	LT 3.7**	LT 3.7**	LT 3.7**
Phenanthrene	µg/L	9.9	LT	9.9**	N/A	LT 9.9**	LT 9.9**	LT 9.9**
Phenol	µg/L	2.2	LT	2.2**	N/A	LT 2.2**	LT 2.2**	LT 2.2**
Parathion	µg/L	37	LT	37**	N/A	LT 37**	LT 37**	LT 37**
Pyrene	µg/L	17	LT	17**	N/A	LT 17**	LT 17**	LT 17**
Supona	µg/L	19	LT	19**	N/A	LT 19**	LT 19**	LT 19**
Pentachlorophenol	µg/L	1	LT	1**	N/A	LT 1**	LT 1**	LT 1**
Benzo(a)pyrene	µg/L	0.2		0.8** D	N/A	LT 0.021**	LT 0.021**	0.86** D
Benzo(b)fluoranthene	µg/L	0.2	LT	0.04**	N/A	LT 0.04** D	LT 0.04**	LT 0.04**
Benzo(k)fluoranthene	µg/L	0.2	LT	0.019**	N/A	LT 0.019**	LT 0.019**	LT 0.019**
Chrysene	µg/L	0.2		0.87**	N/A	0.9** D	LT 0.02**	0.91**
Dibenzo(a,h)anthracene	µg/L	0.3	LT	0.04**	N/A	LT 0.04**	LT 0.04**	LT 0.04**
Indeno(1,2,3-cd)pyrene	µg/L	0.4	LT	0.02**	N/A	LT 0.02**	LT 0.02**	LT 0.02**
Benzo(a)anthracene	µg/L	0.1	LT	0.02**	N/A	LT 0.02**	LT 0.02**	LT 0.02**
TICs	µg/L			0 (0.0)	N/A	1 (4.0)	0 (0.0)	0 (0.0)

PESTICIDES/WATER/GCEC (µg/L)

Laboratory ID Number				N/A	N/A	UB03583	UB03585	UB02877
Parameter	Units	CRL						
alpha-BHC	µg/L	0.0025		N/A	N/A	LT 0.0025**	LT 0.0025**	LT 0.0025**
Endosulfan I	µg/L	0.0025		N/A	N/A	0.0166** U	0.00944** U	LT 0.0025**
Aldrin	µg/L	0.0074		N/A	N/A	LT 0.0074**	LT 0.0074**	LT 0.0074**
beta-BHC	µg/L	0.0099		N/A	N/A	LT 0.0099**	LT 0.0099**	LT 0.0099**
Endosulfan II	µg/L	0.0077		N/A	N/A	LT 0.0077**	LT 0.0077**	LT 0.0077**
Chlordane	µg/L	0.0312		N/A	N/A	LT 0.0312**	LT 0.0312**	LT 0.0312**
delta-BHC	µg/L	0.0034		N/A	N/A	LT 0.0034**	LT 0.0034**	LT 0.0034**
Dieldrin	µg/L	0.0074		N/A	N/A	LT 0.0074**	LT 0.0074**	LT 0.0074**
Endrin	µg/L	0.0176		N/A	N/A	LT 0.0176**	LT 0.0176**	LT 0.0176**
Endrin Aldehyde	µg/L	0.0504		N/A	N/A	LT 0.0504**	LT 0.0504**	LT 0.0504**
Heptachlor	µg/L	0.0025		N/A	N/A	LT 0.0025**	LT 0.0025**	LT 0.0025**
Heptachlor Epoxide	µg/L	0.0063		N/A	N/A	LT 0.0063**	LT 0.0063**	LT 0.0063**
Isodrin	µg/L	0.0025		N/A	N/A	LT 0.0025**	LT 0.0025**	LT 0.0025**
Lindane	µg/L	0.0025		N/A	N/A	LT 0.0025**	LT 0.0025**	LT 0.0025**
Methoxychlor	µg/L	0.075		N/A	N/A	LT 0.075**	LT 0.075**	LT 0.075**
PCB-1016	µg/L	0.385		N/A	N/A	LT 0.385**	LT 0.385**	LT 0.385**
PCB-1260	µg/L	0.176		N/A	N/A	LT 0.176**	LT 0.176**	LT 0.176**
4,4'-DDD	µg/L	0.0081		N/A	N/A	LT 0.0081**	LT 0.0081**	LT 0.0081**
4,4'-DDE	µg/L	0.0039		N/A	N/A	LT 0.0039**	LT 0.0039**	LT 0.0039**
4,4'-DDT	µg/L	0.0025		N/A	N/A	LT 0.0025**	LT 0.0025**	LT 0.0025**
Toxaphene	µg/L	1.64		N/A	N/A	LT 1.64**	LT 1.64**	LT 1.64**

Table F-6. Data Summary Table: Groundwater - Equipment Rinsates, Fort McClellan, Anniston Alabama (Continued)

Site ID				T24A-S05	T38-S06	T38-S09	T38-S09	T38-S10
Field Sample Number				SAICRB24	SAICRB25	SAICRB26	SAICRB27	SAICRB18
Site Type				RNSW	RNSW	RNSW	RNSW	RNSW
Collection Date				5/27/94	6/1/94	6/2/94	6/3/94	5/10/94
Depth (ft)				0	0	0	0	0
Associated Field QC Sample - Site ID								N/A
Associated Field QC Sample - Field Sample No.								N/A
Associated Field QC Sample - Field Sample No.								N/A
Associated Field QC Sample - Field Sample No.								N/A
EXPLOSIVES/WATER/HPLC (µg/L)								
Laboratory ID Number				UB03311	N/A	UB03583	UB03585	UB02877
Parameter	Units	CRL						
1,3,5-Trinitrobenzene	µg/L	0.21	LT	0.21**	N/A	LT 0.21**	LT 0.21**	LT 0.323** K7 I
1,3-Dinitrobenzene	µg/L	0.458	LT	0.458**	N/A	LT 0.458**	LT 0.458**	LT 0.458**
2,4,6-Trinitrotoluene	µg/L	0.426	LT	0.426**	N/A	LT 0.426**	LT 0.426**	LT 0.426**
2,4-Dinitrotoluene	µg/L	0.397	LT	0.397**	N/A	LT 0.397**	LT 0.397**	LT 0.397**
2,6-Dinitrotoluene	µg/L	0.6	LT	0.6**	N/A	LT 0.6**	LT 0.6**	LT 0.6**
Cyclotetramethylenetetranitra	µg/L	0.533	LT	0.533**	N/A	LT 0.533**	LT 0.533**	LT 0.533**
Nitrobenzene	µg/L	0.682	LT	0.682**	N/A	LT 0.682**	LT 0.682**	LT 0.682** 7 I
Hexahydro-1,3,5-trinitro-1,3,	µg/L	0.416	LT	0.416**	N/A	LT 0.416**	LT 0.416**	LT 0.416**
N-methyl-N,2,4,6-tetranitroan	µg/L	0.631	LT	0.631**	N/A	LT 0.631**	LT 0.631**	LT 0.631**
NG and PETN/WATER/HPLC (µg/L)								
Laboratory ID Number				UB03311	N/A	UB03583	UB03585	UB02877
Parameter	Units	CRL						
Nitroglycerine	µg/L	1.49	LT	1.49** H	N/A	LT 1.49**	LT 12.6** K	LT 1.49**
Pentaerythritol tetranitrate	µg/L	2	LT	2** H	N/A	LT 2**	LT 2**	LT 2**
ORGANOSULFURS/WATER/GCFP (µg/L)								
Laboratory ID Number						MCBW*26	MCBW*27	MCBW*41
Parameter	Units	CRL						
Benzothiazole	µg/L	2.11	LT	2.11**		LT 2.11**	LT 2.11**	LT 2.11**
p-Chlorophenylmethyl sulfide	µg/L	1.26	LT	1.26**		LT 1.26**	LT 1.26**	LT 1.26**
p-Chlorophenylmethyl sulfoxid	µg/L	4.23	LT	4.23**		LT 4.23**	LT 4.23**	LT 4.23**
p-Chlorophenylmethyl sulfone	µg/L	4.72	LT	4.72**		LT 4.72**	LT 4.72**	LT 4.72**
Dithiane	µg/L	1.11	LT	1.11**		LT 1.11**	LT 1.11**	LT 1.11**
Dimethyl disulfide	µg/L	1.14	LT	1.14**		LT 1.14**	LT 1.14**	LT 1.14**
1,4-Oxathiane	µg/L	1.98	LT	1.98**		LT 1.98**	LT 1.98**	LT 1.98**
ORGANICS/WATER/IC (µg/L)								
Laboratory ID Number				MCBW*24		MCBW*26	MCBW*27	MCBW*41
Parameter	Units	CRL						
Chloroacetic acid	µg/L	25	LT	25**		LT 25**	LT 25**	LT 25*
Fluoroacetic acid	µg/L	25	LT	25**		LT 25**	LT 25**	LT 25*
Isopropyl methylphosphonate	µg/L	25	LT	25**		LT 25**	LT 25**	LT 25*
Methylphosphonic acid	µg/L	50	LT	50**		LT 50**	LT 50**	LT 50*

Table F-6. Data Summary Table: Groundwater - Equipment Rinsates, Fort McClellan, Anniston Alabama (Continued)

Site ID			T24A-S05	T38-S06	T38-S09	T38-S09	T38-S10
Field Sample Number			SAICRB24	SAICRB25	SAICRB26	SAICRB27	SAICRB18
Site Type			RNSW	RNSW	RNSW	RNSW	RNSW
Collection Date			5/27/94	6/1/94	6/2/94	6/3/94	5/10/94
Depth (ft)			0	0	0	0	0
Associated Field QC Sample - Site ID							N/A
Associated Field QC Sample - Field Sample No.							N/A
Associated Field QC Sample - Site ID							N/A
Associated Field QC Sample - Field Sample No.							N/A
ORGANOSULFURS/WATER/HPLC (µg/L)							
Laboratory ID Number			MCBW*24	MCBW*25	MCBW*26	MCBW*27	MCBW*41
Parameter	Units	CRL					
Thiodiglycol	µg/L	48.8	LT 48.8**	LT 48.8**	LT 48.8**	LT 48.8**	LT 48.8*
Thiodiglycolic acid	µg/L	52.7					
ORGANOPHOSPHOR/WATER/GCFP (µg/L)							
Laboratory ID Number			MCBW*24		MCBW*26	MCBW*27	MCBW*41
Parameter	Units	CRL					
Diisopropyl methylphosphonate	µg/L	10.5	LT 10.5**		LT 10.5**	LT 10.5**	LT 10.5*
Dimethyl methylphosphonate	µg/L	15.2	LT 15.2**		LT 15.2**	LT 15.2**	LT 15.2*
ISOPROPYLAMINE IN WATER							
Laboratory ID Number					MCBW*26	MCBW*27	MCBW*41
Parameter	Units	CRL					
Isopropylamine	µg/L	100			LT 100**	LT 100**	LT 100**
HEXA-WA							
Laboratory ID Number			N/A	N/A	N/A	N/A	N/A
Parameter	Units	CRL					
Hexachlorocyclopentadiene	µg/L	54	N/A	N/A	N/A	N/A	N/A
Hexachlorobenzene	µg/L	12	N/A	N/A	N/A	N/A	N/A
BIOLOGICAL OXYGEN DEMAND (µg/g)							
Laboratory ID Number			N/A	N/A	N/A	N/A	N/A
Parameter	Units	CRL					
Biological Oxygen Demand	µg/L	4000	N/A	N/A	N/A	N/A	N/A

Table F-6. Data Summary Table: Groundwater - Equipment Rinsates, Fort McClellan, Anniston Alabama (Continued)

Site ID			T4-S04		T5-D02	T5-D02	T5-S05
Field Sample Number			SAICRB19		SAICRB28	SAICRB41	SAICRB14
Site Type			RNSW		RNSW	RNSW	RNSW
Collection Date			5/11/94		6/6/94	7/1/94	5/10/94
Depth (ft)			0		0	0	0
Associated Field QC Sample - Site ID			N/A				N/A
Associated Field QC Sample - Field Sample No.			N/A				N/A
Associated Field QC Sample - Site ID			N/A				N/A
Associated Field QC Sample - Field Sample No.			N/A				N/A
METALS/WATER (µg/L)							
Laboratory ID Number			N/A		N/A	N/A	N/A
Parameter	Units	CRL					
Antimony	µg/L	3	N/A		N/A	N/A	N/A
Arsenic	µg/L	2.35	N/A		N/A	N/A	N/A
Lead	µg/L	4.47	N/A		N/A	N/A	N/A
Selenium	µg/L	2.53	N/A		N/A	N/A	N/A
Thallium	µg/L	1	N/A		N/A	N/A	N/A
Mercury	µg/L	0.1	N/A		N/A	N/A	N/A
Silver	µg/L	10	N/A		N/A	N/A	N/A
Aluminum	µg/L	112	N/A		N/A	N/A	N/A
Boron	µg/L	230	N/A		N/A	N/A	N/A
Barium	µg/L	2.82	N/A		N/A	N/A	N/A
Beryllium	µg/L	1.12	N/A		N/A	N/A	N/A
Cadmium	µg/L	4	N/A		N/A	N/A	N/A
Calcium	µg/L	105	N/A		N/A	N/A	N/A
Cobalt	µg/L	25	N/A		N/A	N/A	N/A
Copper	µg/L	16.8	N/A		N/A	N/A	N/A
Chromium	µg/L	16.8	N/A		N/A	N/A	N/A
Iron	µg/L	77.5	N/A		N/A	N/A	N/A
Potassium	µg/L	1240	N/A		N/A	N/A	N/A
Magnesium	µg/L	135	N/A		N/A	N/A	N/A
Manganese	µg/L	9.67	N/A		N/A	N/A	N/A
Molybdenum	µg/L	52.7	N/A		N/A	N/A	N/A
Sodium	µg/L	279	N/A		N/A	N/A	N/A
Nickel	µg/L	32.1	N/A		N/A	N/A	N/A
Tin	µg/L	59.9	N/A		N/A	N/A	N/A
Tellurium	µg/L	118	N/A		N/A	N/A	N/A
Vanadium	µg/L	27.6	N/A		N/A	N/A	N/A
Zinc	µg/L	18	N/A		N/A	N/A	N/A
VOLATILES/WATER (µg/L)							
Laboratory ID Number			N/A		UB03617	N/A	N/A
Parameter	Units	CRL					
1,1,1-Trichloroethane	µg/L	1	N/A	LT	1**	N/A	N/A
1,1,2-Trichloroethane	µg/L	1	N/A	LT	1**	N/A	N/A
1,1-Dichloroethene	µg/L	1	N/A	LT	1**	N/A	N/A
1,1-Dichloroethane	µg/L	1	N/A	LT	1**	N/A	N/A
1,2-Dichloroethene	µg/L	5	N/A	LT	5**	N/A	N/A
1,2-Dichloroethane	µg/L	1	N/A	LT	1**	N/A	N/A
1,2-Dichloropropane	µg/L	1	N/A	LT	1**	N/A	N/A
1,3-Dichlorobenzene	µg/L	1	N/A	LT	1**	N/A	N/A

Table F-6. Data Summary Table: Groundwater - Equipment Rinsates, Fort McClellan, Anniston Alabama (Continued)

Site ID			T4-S04		T5-D02	T5-D02	T5-S05
Field Sample Number			SAICRB19		SAICRB28	SAICRB41	SAICRB14
Site Type			RNSW		RNSW	RNSW	RNSW
Collection Date			5/11/94		6/6/94	7/1/94	5/10/94
Depth (ft)			0		0	0	0
Associated Field QC Sample - Site ID			N/A				N/A
Associated Field QC Sample - Field Sample No.			N/A				N/A
Associated Field QC Sample - Site ID			N/A				N/A
Associated Field QC Sample - Field Sample No.			N/A				N/A
1,3-Dichloropropane	µg/L	4.8	N/A	LT	4.8**	N/A	N/A
1,3-Dimethylbenzene	µg/L	1	N/A	LT	1**	N/A	N/A
2-Chloroethylvinyl Ether	µg/L	3.5	N/A	LT	3.5**	N/A	N/A
Acetone	µg/L	8	N/A	LT	8**	N/A	N/A
Acrylonitrile	µg/L	8.4	N/A	LT	8.4**	N/A	N/A
Bromodichloromethane	µg/L	1	N/A	LT	1**	N/A	N/A
Chloroethane	µg/L	6	N/A	LT	6**	N/A	N/A
Benzene	µg/L	1	N/A	LT	1**	N/A	N/A
Trichlorofluoromethane	µg/L	1	N/A	LT	1**	N/A	N/A
Carbon Tetrachloride	µg/L	1	N/A	LT	1**	N/A	N/A
Methylene Chloride	µg/L	1	N/A		1.1**	N/A	N/A
Bromomethane	µg/L	14	N/A	LT	14**	N/A	N/A
Chloromethane	µg/L	1.2	N/A		11**	N/A	N/A
Bromoform	µg/L	11	N/A	LT	11**	N/A	N/A
Chloroform	µg/L	1	N/A		1.7**	N/A	N/A
Chlorobenzene	µg/L	1	N/A	LT	1**	N/A	N/A
Dibromochloromethane	µg/L	1	N/A	LT	1**	N/A	N/A
Ethylbenzene	µg/L	1	N/A	LT	1**	N/A	N/A
Toluene	µg/L	1	N/A	LT	1**	N/A	N/A
Methylethylketone	µg/L	10	N/A	LT	10**	N/A	N/A
Methylisobutylketone	µg/L	1.4	N/A	LT	1.4**	N/A	N/A
1,1,2,2-Tetrachloroethane	µg/L	1.5	N/A	LT	1.5**	N/A	N/A
Tetrachloroethene	µg/L	1	N/A	LT	1**	N/A	N/A
Trichloroethene	µg/L	1	N/A	LT	1**	N/A	N/A
1,2-Dimethylbenzene	µg/L	2	N/A	LT	2**	N/A	N/A
Vinyl Chloride	µg/L	1	N/A	LT	1**	N/A	N/A
TICs	µg/L		N/A		0 (0.0)	N/A	N/A
SEMIVOLATILES/WATER (µg/L)							
Laboratory ID Number			N/A		UB03617	N/A	N/A
Parameter	Units	CRL					
1,2,3-Trichlorobenzene	µg/L	5.8	N/A	LT	5.8**	N/A	N/A
1,2,4-Trichlorobenzene	µg/L	2.4	N/A	LT	2.4**	N/A	N/A
1,2-Dichlorobenzene	µg/L	1.2	N/A	LT	1.2**	N/A	N/A
1,2-Diphenylhydrazine	µg/L	13	N/A	LT	13**	N/A	N/A
1,3-Dichlorobenzene	µg/L	3.4	N/A	LT	3.4**	N/A	N/A
1,4-Dichlorobenzene	µg/L	1.5	N/A	LT	1.5**	N/A	N/A
2,3,6-Trichlorophenol	µg/L	1.7	N/A	LT	1.7**	N/A	N/A
2,4,5-Trichlorophenol	µg/L	2.8	N/A	LT	2.8**	N/A	N/A
2,4,6-Trichlorophenol	µg/L	3.6	N/A	LT	3.6**	N/A	N/A
2,4-Dichlorophenol	µg/L	8.4	N/A	LT	8.4**	N/A	N/A
2,4-Dimethylphenol	µg/L	4.4	N/A	LT	4.4**	N/A	N/A
2,4-Dinitrophenol	µg/L	170	N/A	LT	160**	N/A	N/A

Table F-6. Data Summary Table: Groundwater - Equipment Rinsates, Fort McClellan, Anniston Alabama (Continued)

Site ID			T4-S04			T5-D02	T5-D02	T5-S05
Field Sample Number			SAICRB19			SAICRB28	SAICRB41	SAICRB14
Site Type			RNSW			RNSW	RNSW	RNSW
Collection Date			5/11/94			6/6/94	7/1/94	5/10/94
Depth (ft)			0			0	0	0
Associated Field QC Sample - Site ID			N/A					N/A
Associated Field QC Sample - Field Sample No.			N/A					N/A
Associated Field QC Sample - Site ID			N/A					N/A
Associated Field QC Sample - Field Sample No.			N/A					N/A
2,6-Dinitroaniline	µg/L	8.8	N/A	LT	8.8**		N/A	N/A
2-Chlorophenol	µg/L	2.8	N/A	LT	2.8**		N/A	N/A
2-Chloronaphthalene	µg/L	2.6	N/A	LT	2.6**		N/A	N/A
2-Methylnaphthalene	µg/L	1.3	N/A	LT	1.3**		N/A	N/A
2-Methyl Phenol	µg/L	3.6	N/A	LT	3.6**		N/A	N/A
2-Nitrophenol	µg/L	6.2	N/A	LT	6.2**		N/A	N/A
3,3'-Dichlorobenzidine	µg/L	5	N/A	LT	5**		N/A	N/A
3,5-Dinitro-aniline	µg/L	21	N/A	LT	21**		N/A	N/A
3-Nitroaniline	µg/L	15	N/A	LT	15**		N/A	N/A
3-Nitrotoluene	µg/L	2.9	N/A	LT	2.9**		N/A	N/A
4-Bromophenyl Phenyl Ether	µg/L	22	N/A	LT	22**		N/A	N/A
4-Chloro-3-methylphenol	µg/L	6.5	N/A	LT	6.5**		N/A	N/A
4-Chlorophenyl Phenyl Ether	µg/L	23	N/A	LT	23**		N/A	N/A
4-Methyl Phenol	µg/L	2.8	N/A	LT	2.8**		N/A	N/A
4-Nitrophenol	µg/L	96	N/A	LT	96**		N/A	N/A
Acenaphthene	µg/L	5.8	N/A	LT	5.8**		N/A	N/A
Acenaphthylene	µg/L	5.1	N/A	LT	5.1**		N/A	N/A
Anthracene	µg/L	5.2	N/A	LT	5.2**		N/A	N/A
Atrazine	µg/L	5.9	N/A	LT	5.9**		N/A	N/A
bis(2-Chloroethoxy) Methane	µg/L	6.6	N/A	LT	6.6**		N/A	N/A
bis(2-Chloroisopropyl) Ether	µg/L	5	N/A	LT	5**		N/A	N/A
bis(2-Chloroethyl)ether	µg/L	0.66	N/A	LT	0.66**		N/A	N/A
bis(2-Ethylhexyl)phthalate	µg/L	7.7	N/A	LT	7.7**		N/A	N/A
Butyl Benzyl Phthalate	µg/L	28	N/A	LT	28**		N/A	N/A
Benzo(g,h,i)perylene	µg/L	15	N/A	LT	15**		N/A	N/A
Bromacil	µg/L	2.9	N/A	LT	2.9**		N/A	N/A
Benzyl Alcohol	µg/L	4	N/A	LT	4**		N/A	N/A
Hexachloroethane	µg/L	6.3	N/A	LT	6.3**		N/A	N/A
Dibromochloropropane	µg/L	12	N/A	LT	12**		N/A	N/A
Dibenzofuran	µg/L	5.1	N/A	LT	5.1**		N/A	N/A
Dicyclopentadiene	µg/L	5.5	N/A	LT	5.5**		N/A	N/A
Vapona	µg/L	6.5	N/A	LT	6.5**		N/A	N/A
Diethyl Phthalate	µg/L	5.9	N/A	LT	5.9**		N/A	N/A
Dimethyl Phthalate	µg/L	2.2	N/A	LT	2.2**		N/A	N/A
di-N-Butyl Phthalate	µg/L	33	N/A	LT	33**		N/A	N/A
di-N-Octyl Phthalate	µg/L	1.5	N/A	LT	1.5**		N/A	N/A
Endosulfan Sulfate	µg/L	50	N/A	LT	50**		N/A	N/A
Fluoranthene	µg/L	24	N/A	LT	24**		N/A	N/A
Fluorene	µg/L	9.2	N/A	LT	9.2**		N/A	N/A
Hexachlorobutadiene	µg/L	8.7	N/A	LT	8.7**		N/A	N/A
Isophorone	µg/L	2.4	N/A	LT	2.4**		N/A	N/A
Mirex	µg/L	24	N/A	LT	24**		N/A	N/A
Malathion	µg/L	21	N/A	LT	21**		N/A	N/A
Naphthalene	µg/L	0.5	N/A	LT	0.5**		N/A	N/A

Table F-6. Data Summary Table: Groundwater - Equipment Rinsates, Fort McClellan, Anniston Alabama (Continued)

Site ID			T4-S04		T5-D02	T5-D02	T5-S05
Field Sample Number			SAICRB19		SAICRB28	SAICRB41	SAICRB14
Site Type			RNSW		RNSW	RNSW	RNSW
Collection Date			5/11/94		6/6/94	7/1/94	5/10/94
Depth (ft)			0		0	0	0
Associated Field QC Sample - Site ID			N/A				N/A
Associated Field QC Sample - Field Sample No.			N/A				N/A
Associated Field QC Sample - Site ID			N/A				N/A
Associated Field QC Sample - Field Sample No.			N/A				N/A
Nitrobenzene	µg/L	3.7	N/A	LT	3.7**	N/A	N/A
N-Nitrosodimethylamine	µg/L	9.7	N/A	LT	9.7**	N/A	N/A
N-Nitroso-di-N-propylamine	µg/L	6.8	N/A	LT	6.8**	N/A	N/A
N-Nitrosodiphenylamine	µg/L	3.7	N/A	LT	3.7**	N/A	N/A
Phenanthrene	µg/L	9.9	N/A	LT	9.9**	N/A	N/A
Phenol	µg/L	2.2	N/A	LT	2.2**	N/A	N/A
Parathion	µg/L	37	N/A	LT	37**	N/A	N/A
Pyrene	µg/L	17	N/A	LT	17**	N/A	N/A
Supona	µg/L	19	N/A	LT	19**	N/A	N/A
Pentachlorophenol	µg/L	1	N/A	LT	1**	N/A	N/A
Benzo(a)pyrene	µg/L	0.2	N/A		0.86**	N/A	N/A
Benzo(b)fluoranthene	µg/L	0.2	N/A	LT	0.04**	N/A	N/A
Benzo(k)fluoranthene	µg/L	0.2	N/A	LT	0.019** D	N/A	N/A
Chrysene	µg/L	0.2	N/A	LT	0.02**	N/A	N/A
Dibenzo(a,h)anthracene	µg/L	0.3	N/A	LT	0.04** D	N/A	N/A
Indeno(1,2,3-cd)pyrene	µg/L	0.4	N/A	LT	0.02**	N/A	N/A
Benzo(a)anthracene	µg/L	0.1	N/A	LT	0.02**	N/A	N/A
TICs	µg/L		N/A		0 (0.0)	N/A	N/A
PESTICIDES/WATER/GCEC (µg/L)							
Laboratory ID Number			N/A		UB03617	N/A	N/A
Parameter	Units	CRL					
alpha-BHC	µg/L	0.0025	N/A	LT	0.0025**	N/A	N/A
Endosulfan I	µg/L	0.0025	N/A	LT	0.0025**	N/A	N/A
Aldrin	µg/L	0.0074	N/A	LT	0.0074**	N/A	N/A
beta-BHC	µg/L	0.0099	N/A	LT	0.0099**	N/A	N/A
Endosulfan II	µg/L	0.0077	N/A	LT	0.0077**	N/A	N/A
Chlordane	µg/L	0.0312	N/A	LT	0.0312**	N/A	N/A
delta-BHC	µg/L	0.0034	N/A	LT	0.0034**	N/A	N/A
Dieldrin	µg/L	0.0074	N/A	LT	0.0074**	N/A	N/A
Endrin	µg/L	0.0176	N/A	LT	0.0176**	N/A	N/A
Endrin Aldehyde	µg/L	0.0504	N/A	LT	0.0504**	N/A	N/A
Heptachlor	µg/L	0.0025	N/A	LT	0.0025**	N/A	N/A
Heptachlor Epoxide	µg/L	0.0063	N/A	LT	0.0063**	N/A	N/A
Isodrin	µg/L	0.0025	N/A	LT	0.0025**	N/A	N/A
Lindane	µg/L	0.0025	N/A	LT	0.0025**	N/A	N/A
Methoxychlor	µg/L	0.075	N/A	LT	0.075**	N/A	N/A
PCB-1016	µg/L	0.385	N/A	LT	0.385**	N/A	N/A
PCB-1260	µg/L	0.176	N/A	LT	0.176**	N/A	N/A
4,4'-DDD	µg/L	0.0081	N/A	LT	0.0081**	N/A	N/A
4,4'-DDE	µg/L	0.0039	N/A	LT	0.0039**	N/A	N/A
4,4'-DDT	µg/L	0.0025	N/A	LT	0.0025**	N/A	N/A
Toxaphene	µg/L	1.64	N/A	LT	1.64**	N/A	N/A

Table F-6. Data Summary Table: Groundwater - Equipment Rinsates, Fort McClellan, Anniston Alabama (Continued)

Site ID			T4-S04	T5-D02	T5-D02	T5-S05
Field Sample Number			SAICRB19	SAICRB28	SAICRB41	SAICRB14
Site Type			RNSW	RNSW	RNSW	RNSW
Collection Date			5/11/94	6/6/94	7/1/94	5/10/94
Depth (ft)			0	0	0	0
Associated Field QC Sample - Site ID			N/A			N/A
Associated Field QC Sample - Field Sample No.			N/A			N/A
Associated Field QC Sample - Site ID			N/A			N/A
Associated Field QC Sample - Field Sample No.			N/A			N/A
EXPLOSIVES/WATER/HPLC (µg/L)						
Laboratory ID Number			N/A	UB03617	UB04482	N/A
Parameter	Units	CRL				
1,3,5-Trinitrobenzene	µg/L	0.21	N/A	LT 0.21** H I	LT 0.21**	N/A
1,3-Dinitrobenzene	µg/L	0.458	N/A	LT 0.458**	LT 0.458**	N/A
2,4,6-Trinitrotoluene	µg/L	0.426	N/A	LT 0.426**	LT 0.426**	N/A
2,4-Dinitrotoluene	µg/L	0.397	N/A	LT 0.397**	0.543** U	N/A
2,6-Dinitrotoluene	µg/L	0.6	N/A	LT 0.6**	LT 0.6**	N/A
Cyclotetramethylenetetranitra	µg/L	0.533	N/A	LT 0.533**	LT 0.533**	N/A
Nitrobenzene	µg/L	0.682	N/A	LT 0.682**	LT 0.682**	N/A
Hexahydro-1,3,5-trinitro-1,3,	µg/L	0.416	N/A	LT 0.416** L JN	LT 0.416** 7	N/A
N-methyl-N,2,4,6-tetranitroan	µg/L	0.631	N/A	LT 0.631**	LT 0.631**	N/A
NG and PETN/WATER/HPLC (µg/L)						
Laboratory ID Number			N/A		UB04482	N/A
Parameter	Units	CRL				
Nitroglycerine	µg/L	1.49	N/A		LT 1.49**	N/A
Pentaerythritol tetranitrate	µg/L	2	N/A		LT 2**	N/A
ORGANOSULFURS/WATER/GCFP (µg/L)						
Laboratory ID Number			MCBW*16	MCBW*33	N/A	MCBW*42
Parameter	Units	CRL				
Benzothiazole	µg/L	2.11	LT 2.11**	LT 2.11**	N/A	LT 2.11**
p-Chlorophenylmethyl sulfide	µg/L	1.26	LT 1.26**	LT 1.26**	N/A	LT 1.26**
p-Chlorophenylmethyl sulfoxid	µg/L	4.23	LT 4.23**	LT 4.23**	N/A	LT 4.23**
p-Chlorophenylmethyl sulfone	µg/L	4.72	LT 4.72**	LT 4.72**	N/A	LT 4.72**
Dithiane	µg/L	1.11	LT 1.11**	LT 1.11**	N/A	LT 1.11**
Dimethyl disulfide	µg/L	1.14	LT 1.14**	LT 1.14**	N/A	LT 1.14**
1,4-Oxathiane	µg/L	1.98	LT 1.98**	LT 1.98**	N/A	LT 1.98**
ORGANICS/WATER/IC (µg/L)						
Laboratory ID Number			MCBW*16	MCBW*33	N/A	MCBW*42
Parameter	Units	CRL				
Chloroacetic acid	µg/L	25	LT 25**	LT 25**	N/A	LT 25*
Fluoroacetic acid	µg/L	25	LT 25**	LT 25**	N/A	LT 25*
Isopropyl methylphosphonate	µg/L	25	LT 25**	LT 25**	N/A	LT 25*
Methylphosphonic acid	µg/L	50	LT 50**	LT 50**	N/A	LT 50*

Table F-6. Data Summary Table: Groundwater - Equipment Rinsates, Fort McClellan, Anniston Alabama (Continued)

Site ID				T4-S04			T5-D02		T5-D02			T5-S05
Field Sample Number				SAICRB19			SAICRB28		SAICRB41			SAICRB14
Site Type				RNSW			RNSW		RNSW			RNSW
Collection Date				5/11/94			6/6/94		7/1/94			5/10/94
Depth (ft)				0			0		0			0
Associated Field QC Sample - Site ID				N/A								N/A
Associated Field QC Sample - Field Sample No.				N/A								N/A
Associated Field QC Sample - Site ID				N/A								N/A
Associated Field QC Sample - Field Sample No.				N/A								N/A
ORGANOSULFURS/WATER/HPLC (µg/L)												
Laboratory ID Number				MCBW*16			MCBW*33		N/A			MCBW*42
Parameter	Units	CRL										
Thiodiglycol	µg/L	48.8	LT	48.8**		LT	48.8*		N/A		LT	48.8*
Thiodiglycolic acid	µg/L	52.7							N/A			
ORGANOPHOSPHOR/WATER/GCFP (µg/L)												
Laboratory ID Number							MCBW*33		N/A			MCBW*42
Parameter	Units	CRL										
Diisopropyl methylphosphonate	µg/L	10.5				LT	10.5**		N/A		LT	10.5*
Dimethyl methylphosphonate	µg/L	15.2				LT	15.2**		N/A		LT	15.2*
ISOPROPYLAMINE IN WATER												
Laboratory ID Number							MCBW*33		N/A			MCBW*42
Parameter	Units	CRL										
Isopropylamine	µg/L	100				LT	100**		N/A		LT	100**
HEXA-WA												
Laboratory ID Number				N/A			N/A		N/A			N/A
Parameter	Units	CRL										
Hexachlorocyclopentadiene	µg/L	54		N/A			N/A		N/A			N/A
Hexachlorobenzene	µg/L	12		N/A			N/A		N/A			N/A
BIOLOGICAL OXYGEN DEMAND (µg/g)												
Laboratory ID Number				N/A			N/A		N/A			N/A
Parameter	Units	CRL										
Biological Oxygen Demand	µg/L	4000		N/A			N/A		N/A			N/A

Table F-6. Data Summary Table: Groundwater - Equipment Rinsates, Pelham Range, Fort McClellan RI, Anniston Alabama

Site ID			OWH-S03	OWH-S03	OWH-S10	OWH-S10	RJ-S05
Field Sample Number			SAICRB37	SAICRB38	SAICRB38	SAICRB39	SAICRB22
Site Type			RNSW	RNSW	RNSW	RNSW	RNSW
Collection Date			6/21/94	6/22/94	6/28/94	6/28/94	5/18/94
Depth (ft)			0	0	0	0	0
Associated Field QC Sample - Site ID							
Associated Field QC Sample - Field Sample No.							
Associated Field QC Sample - Site ID							
Associated Field QC Sample - Field Sample No.							
METALS/WATER (µg/L)							
Laboratory ID Number			N/A	N/A	N/A	N/A	N/A
Parameter	Units	CRL					
Antimony	µg/L	3	N/A	N/A	N/A	N/A	N/A
Arsenic	µg/L	2.35	N/A	N/A	N/A	N/A	N/A
Lead	µg/L	4.47	N/A	N/A	N/A	N/A	N/A
Selenium	µg/L	2.63	N/A	N/A	N/A	N/A	N/A
Thallium	µg/L	1	N/A	N/A	N/A	N/A	N/A
Mercury	µg/L	0.1	N/A	N/A	N/A	N/A	N/A
Silver	µg/L	10	N/A	N/A	N/A	N/A	N/A
Aluminum	µg/L	112	N/A	N/A	N/A	N/A	N/A
Boron	µg/L	230	N/A	N/A	N/A	N/A	N/A
Barium	µg/L	2.82	N/A	N/A	N/A	N/A	N/A
Beryllium	µg/L	1.12	N/A	N/A	N/A	N/A	N/A
Cadmium	µg/L	4	N/A	N/A	N/A	N/A	N/A
Calcium	µg/L	105	N/A	N/A	N/A	N/A	N/A
Cobalt	µg/L	25	N/A	N/A	N/A	N/A	N/A
Copper	µg/L	18.8	N/A	N/A	N/A	N/A	N/A
Chromium	µg/L	16.8	N/A	N/A	N/A	N/A	N/A
Iron	µg/L	77.5	N/A	N/A	N/A	N/A	N/A
Potassium	µg/L	1240	N/A	N/A	N/A	N/A	N/A
Magnesium	µg/L	135	N/A	N/A	N/A	N/A	N/A
Manganese	µg/L	9.67	N/A	N/A	N/A	N/A	N/A
Molybdenum	µg/L	52.7	N/A	N/A	N/A	N/A	N/A
Sodium	µg/L	279	N/A	N/A	N/A	N/A	N/A
Nickel	µg/L	32.1	N/A	N/A	N/A	N/A	N/A
Tin	µg/L	59.9	N/A	N/A	N/A	N/A	N/A
Tellurium	µg/L	118	N/A	N/A	N/A	N/A	N/A
Vanadium	µg/L	27.6	N/A	N/A	N/A	N/A	N/A
Zinc	µg/L	18	N/A	N/A	N/A	N/A	N/A
VOLATILES/WATER (µg/L)							
Laboratory ID Number			UB04219	UB04277	N/A	UB04449	N/A
Parameter	Units	CRL					
1,1,1-Trichloroethane	µg/L	1	1.37*	LT 1*	N/A	LT 1*	N/A
1,1,2-Trichloroethane	µg/L	1	LT 1*	LT 1*	N/A	LT 1*	N/A
1,1-Dichloroethene	µg/L	1	LT 1*	LT 1*	N/A	LT 1*	N/A
1,1-Dichloroethane	µg/L	1	LT 1*	LT 1*	N/A	LT 1*	N/A
1,2-Dichloroethene	µg/L	5	LT 5*	LT 5*	N/A	LT 5*	N/A
1,2-Dichloroethane	µg/L	1	LT 1*	LT 1*	N/A	LT 1*	N/A
1,2-Dichloropropane	µg/L	1	LT 1*	LT 1*	N/A	LT 1*	N/A
1,3-Dichlorobenzene	µg/L	1	LT 1*	LT 1*	N/A	LT 1*	N/A

Table F-6. Data Summary Table: Groundwater - Equipment Rinsates, Pelham Range, Fort McClellan RI, Anniston Alabama (Continued)

Site ID				OWH-S03		OWH-S03	OWH-S10		OWH-S10	RJ-S05
Field Sample Number				SAICRB37		SAICRB38	SAICRB38		SAICRB39	SAICRB22
Site Type				RNSW		RNSW	RNSW		RNSW	RNSW
Collection Date				6/21/94		6/22/94	6/28/94		6/28/94	5/18/94
Depth (ft)				0		0	0		0	0
Associated Field QC Sample - Site ID										
Associated Field QC Sample - Field Sample No.										
Associated Field QC Sample - Site ID										
Associated Field QC Sample - Field Sample No.										
1,3-Dichloropropane	µg/L	4.8	LT	4.8*	LT	4.8*	N/A	LT	4.8*	N/A
1,3-Dimethylbenzene	µg/L	1	LT	1*	LT	1*	N/A	LT	1*	N/A
2-Chloroethylvinyl Ether	µg/L	3.5	LT	3.5*	LT	3.5*	N/A	LT	3.5*	N/A
Acetone	µg/L	8	LT	8*	LT	8*	N/A	LT	8*	N/A
Acrylonitrile	µg/L	8.4	LT	8.4*	LT	8.4*	N/A	LT	8.4*	N/A
Bromodichloromethane	µg/L	1	LT	1*	LT	1*	N/A	LT	1*	N/A
Chloroethane	µg/L	8	LT	8*	LT	8*	N/A	LT	8*	N/A
Benzene	µg/L	1	LT	1*	LT	1*	N/A	LT	1*	N/A
Trichlorofluoromethane	µg/L	1	LT	1*	LT	1*	N/A	LT	1*	N/A
Carbon Tetrachloride	µg/L	1	LT	1*	LT	1*	N/A	LT	1*	N/A
Methylene Chloride	µg/L	1	LT	1*	LT	1*	N/A	LT	1*	N/A
Bromomethane	µg/L	14	LT	14*	LT	14*	N/A	LT	14*	N/A
Chloromethane	µg/L	1.2	LT	1.2*	LT	1.2*	N/A	LT	1.2*	N/A
Bromoform	µg/L	11	LT	11*	LT	11*	N/A	LT	11*	N/A
Chloroform	µg/L	1		3.9*		5.5*	N/A		2*	N/A
Chlorobenzene	µg/L	1		1.06*	LT	1*	N/A	LT	1*	N/A
Dibromochloromethane	µg/L	1	LT	1*	LT	1*	N/A	LT	1*	N/A
Ethylbenzene	µg/L	1	LT	1*	LT	1*	N/A	LT	1*	N/A
Toluene	µg/L	1	LT	1*	LT	1*	N/A	LT	1*	N/A
Methylethylketone	µg/L	10	LT	10*	LT	10*	N/A	LT	10*	N/A
Methylisobutylketone	µg/L	1.4	LT	1.4*	LT	1.4*	N/A	LT	1.4*	N/A
1,1,2,2-Tetrachloroethane	µg/L	1.5	LT	1.5*	LT	1.5*	N/A	LT	1.5*	N/A
Tetrachloroethene	µg/L	1	LT	1*	LT	1*	N/A	LT	1*	N/A
Trichloroethene	µg/L	1	LT	1*	LT	1*	N/A	LT	1*	N/A
1,2-Dimethylbenzene	µg/L	2	LT	2*	LT	2*	N/A	LT	2*	N/A
Vinyl Chloride	µg/L	1	LT	1*	LT	1*	N/A	LT	1*	N/A
TICs	µg/L			0 (0.0)		0 (0.0)	N/A		0 (0.0)	N/A

SEMIVOLATILES/WATER (µg/L)

Laboratory ID Number				UB04219		UB04277	N/A		UB04449	N/A
Parameter	Units	CRL								
1,2,3-Trichlorobenzene	µg/L	5.8	LT	5.8*	LT	5.8*	N/A	LT	5.8*	N/A
1,2,4-Trichlorobenzene	µg/L	2.4	LT	2.4*	LT	2.4*	N/A	LT	2.4*	N/A
1,2-Dichlorobenzene	µg/L	1.2	LT	1.2*	LT	1.2*	N/A	LT	1.2*	N/A
1,2-Diphenylhydrazine	µg/L	13	LT	13*	LT	13*	N/A	LT	13*	N/A
1,3-Dichlorobenzene	µg/L	3.4	LT	3.4*	LT	3.4*	N/A	LT	3.4*	N/A
1,4-Dichlorobenzene	µg/L	1.5	LT	1.5*	LT	1.5*	N/A	LT	1.5*	N/A
2,3,6-Trichlorophenol	µg/L	1.7	LT	1.7*	LT	1.7*	N/A	LT	1.7*	N/A
2,4,5-Trichlorophenol	µg/L	2.8	LT	2.8*	LT	2.8*	N/A	LT	2.8*	N/A
2,4,6-Trichlorophenol	µg/L	3.6	LT	3.6*	LT	3.6*	N/A	LT	3.6*	N/A
2,4-Dichlorophenol	µg/L	8.4	LT	8.4*	LT	8.4*	N/A	LT	8.4*	N/A
2,4-Dimethylphenol	µg/L	4.4	LT	4.4*	LT	4.4*	N/A	LT	4.4*	N/A
2,4-Dinitrophenol	µg/L	176	LT	176*	LT	176*	N/A	LT	176*	N/A

Table F-6. Data Summary Table: Groundwater - Equipment Rinsates, Pelham Range, Fort McClellan RI, Anniston Alabama (Continued)

Site ID											
Field Sample Number				OWH-S03		OWH-S03		OWH-S10		OWH-S10	RJ-S05
Site Type				SAICRB37		SAICRB38		SAICRB38		SAICRB39	SAICRB22
Collection Date				RNSW		RNSW		RNSW		RNSW	RNSW
Depth (ft)				6/21/94		6/22/94		6/28/94		6/28/94	5/18/94
Associated Field QC Sample - Site ID				0		0		0		0	0
Associated Field QC Sample - Field Sample No.											
Associated Field QC Sample - Site ID											
Associated Field QC Sample - Field Sample No.											
2,6-Dinitroaniline	µg/L	8.8	LT	8.8*	LT	8.8*	N/A	LT	8.8*	N/A
2-Chlorophenol	µg/L	2.6	LT	2.6*	LT	2.6*	N/A	LT	2.6*	N/A
2-Chloronaphthalene	µg/L	2.6	LT	2.6*	LT	2.6*	N/A	LT	2.6*	N/A
2-Methylnaphthalene	µg/L	1.3	LT	1.3*	LT	1.3*	N/A	LT	1.3*	N/A
2-Methyl Phenol	µg/L	3.6	LT	3.6*	LT	3.6*	N/A	LT	3.6*	N/A
2-Nitrophenol	µg/L	8.2	LT	8.2*	LT	8.2*	N/A	LT	8.2*	N/A
3,3'-Dichlorobenzidine	µg/L	5	LT	5*	LT	5*	N/A	LT	5*	N/A
3,5-Dinitro-aniline	µg/L	21	LT	21*	LT	21*	N/A	LT	21*	N/A
3-Nitroaniline	µg/L	15	LT	15*	LT	15*	N/A	LT	15*	N/A
3-Nitrotoluene	µg/L	2.9	LT	2.9*	LT	2.9*	N/A	LT	2.9*	N/A
4-Bromophenyl Phenyl Ether	µg/L	22	LT	22*	LT	22*	N/A	LT	22*	N/A
4-Chloro-3-methylphenol	µg/L	8.5	LT	8.5*	LT	8.5*	N/A	LT	8.5*	N/A
4-Chlorophenyl Phenyl Ether	µg/L	23	LT	23*	LT	23*	N/A	LT	23*	N/A
4-Methyl Phenol	µg/L	2.8	LT	2.8*	LT	2.8*	N/A	LT	2.8*	N/A
4-Nitrophenol	µg/L	96	LT	96*	LT	96*	N/A	LT	96*	N/A
Acenaphthene	µg/L	5.8	LT	5.8*	LT	5.8*	N/A	LT	5.8*	N/A
Acenaphthylene	µg/L	5.1	LT	5.1*	LT	5.1*	N/A	LT	5.1*	N/A
Anthracene	µg/L	5.2	LT	5.2*	LT	5.2*	N/A	LT	5.2*	N/A
Atrazine	µg/L	5.9	LT	5.9*	LT	5.9*	N/A	LT	5.9*	N/A
bis(2-Chloroethoxy) Methane	µg/L	6.8	LT	6.8*	LT	6.8*	N/A	LT	6.8*	N/A
bis(2-Chloroisopropyl) Ether	µg/L	5	LT	5*	LT	5*	N/A	LT	5*	N/A
bis(2-Chloroethyl)ether	µg/L	0.68	LT	0.68*	LT	0.68*	N/A	LT	0.68*	N/A
bis(2-Ethylhexyl)phthalate	µg/L	7.7	LT	7.7*	LT	7.7*	N/A	LT	7.7*	N/A
Butyl Benzyl Phthalate	µg/L	28	LT	28*	LT	28*	N/A	LT	28*	N/A
Benzo(g,h,i)perylene	µg/L	15	LT	15*	LT	15*	N/A	LT	15*	N/A
Bromacil	µg/L	2.9	LT	2.9*	LT	2.9*	N/A	LT	2.9*	N/A
Benzyl Alcohol	µg/L	4	LT	4*	LT	4*	N/A	LT	4*	N/A
Hexachloroethane	µg/L	8.3	LT	8.3*	LT	8.3*	N/A	LT	8.3*	N/A
Dibromochloropropane	µg/L	12	LT	12*	LT	12*	N/A	LT	12*	N/A
Dibenzofuran	µg/L	5.1	LT	5.1*	LT	5.1*	N/A	LT	5.1*	N/A
Dicyclopentadiene	µg/L	5.5	LT	5.5*	LT	5.5*	N/A	LT	5.5*	N/A
Vapona	µg/L	8.5	LT	8.5*	LT	8.5*	N/A	LT	8.5*	N/A
Diethyl Phthalate	µg/L	5.9	LT	5.9*	LT	5.9*	N/A	LT	5.9*	N/A
Dimethyl Phthalate	µg/L	2.2	LT	2.2*	LT	2.2*	N/A	LT	2.2*	N/A
di-N-Butyl Phthalate	µg/L	33	LT	33*	LT	33*	N/A	LT	33*	N/A
di-N-Octyl Phthalate	µg/L	1.5	LT	1.5*	LT	1.5*	N/A	LT	1.5*	N/A
Endosulfan Sulfate	µg/L	50	LT	50*	LT	50*	N/A	LT	50*	N/A
Fluoranthene	µg/L	24	LT	24*	LT	24*	N/A	LT	24*	N/A
Fluorene	µg/L	9.2	LT	9.2*	LT	9.2*	N/A	LT	9.2*	N/A
Hexachlorobutadiene	µg/L	8.7	LT	8.7*	LT	8.7*	N/A	LT	8.7*	N/A
Isophorone	µg/L	2.4	LT	2.4*	LT	2.4*	N/A	LT	2.4*	N/A
Mirex	µg/L	24	LT	24*	LT	24*	N/A	LT	24*	N/A
Malathion	µg/L	21	LT	21*	LT	21*	N/A	LT	21*	N/A
Naphthalene	µg/L	0.5	LT	0.5*	LT	0.5*	N/A	LT	0.5*	N/A

Table F-6. Data Summary Table: Groundwater - Equipment Rinsates, Pelham Range, Fort McClellan RI, Anniston Alabama (Continued)

Site ID				OWH-S03		OWH-S03	OWH-S10		OWH-S10	RJ-S05
Field Sample Number				SAICRB37		SAICRB38	SAICRB38		SAICRB39	SAICRB22
Site Type				RNSW		RNSW	RNSW		RNSW	RNSW
Collection Date				6/21/94		6/22/94	6/28/94		6/28/94	5/18/94
Depth (ft)				0		0	0		0	0
Associated Field QC Sample - Site ID										
Associated Field QC Sample - Field Sample No.										
Associated Field QC Sample - Site ID										
Associated Field QC Sample - Field Sample No.										
Nitrobenzene	µg/L	3.7	LT	3.7*	LT	3.7*	N/A	LT	3.7*	N/A
N-Nitrosodimethylamine	µg/L	9.7	LT	9.7*	LT	9.7*	N/A	LT	9.7*	N/A
N-Nitroso-di-N-propylamine	µg/L	6.8	LT	6.8*	LT	6.8*	N/A	LT	6.8*	N/A
N-Nitrosodiphenylamine	µg/L	3.7	LT	3.7*	LT	3.7*	N/A	LT	3.7*	N/A
Phenanthrene	µg/L	9.9	LT	9.9*	LT	9.9*	N/A	LT	9.9*	N/A
Phenol	µg/L	2.2	LT	2.2*	LT	2.2*	N/A	LT	2.2*	N/A
Parathion	µg/L	37	LT	37*	LT	37*	N/A	LT	37*	N/A
Pyrene	µg/L	17	LT	17*	LT	17*	N/A	LT	17*	N/A
Supona	µg/L	19	LT	19*	LT	19*	N/A	LT	19*	N/A
Pentachlorophenol	µg/L	1	LT	1*	LT	1*	N/A	LT	1*	N/A
Benzo(a)pyrene	µg/L	0.2	LT	0.0206*	LT	0.0206*	N/A	LT	0.0206*	N/A
Benzo(b)fluoranthene	µg/L	0.2	LT	0.0402*	LT	0.0402*	N/A	LT	0.0402*	N/A
Benzo(k)fluoranthene	µg/L	0.2	LT	0.0193*	LT	0.0193*	N/A	LT	0.0193*	N/A
Chrysene	µg/L	0.2	LT	0.0195*	LT	0.0195*	N/A	LT	0.0195*	N/A
Dibenzo(a,h)anthracene	µg/L	0.3	LT	0.0396*	LT	0.0396*	N/A	LT	0.0396*	N/A
Indeno(1,2,3-cd)pyrene	µg/L	0.4	LT	0.0196*	LT	0.0196*	N/A	LT	0.0196*	N/A
Benzo(a)anthracene	µg/L	0.1	LT	0.0196*	LT	0.0196*	N/A	LT	0.0196*	N/A
TICs	µg/L			0 (0.0)		0 (0.0)	N/A		0 (0.0)	N/A
PESTICIDES/WATER/GCEC (µg/L)										
Laboratory ID Number				UB04219		UB04277	N/A		UB04449	N/A
Parameter	Units	CRL								
alpha-BHC	µg/L	0.0025	LT	0.0025*	LT	0.0025*	N/A	LT	0.0025*	N/A
Endosulfan I	µg/L	0.0025	LT	0.0025*	LT	0.0025*	N/A	LT	0.0025*	N/A
Aldrin	µg/L	0.0074	LT	0.0074*	LT	0.0074*	N/A	LT	0.0074*	N/A
beta-BHC	µg/L	0.0099	LT	0.0099*	LT	0.0099*	N/A	LT	0.0099*	N/A
Endosulfan II	µg/L	0.0077	LT	0.0077*	LT	0.0077*	N/A	LT	0.0077*	N/A
Chlordane	µg/L	0.0312	LT	0.0312*	LT	0.0312*	N/A	LT	0.0312*	N/A
delta-BHC	µg/L	0.0034	LT	0.0034*	LT	0.0034*	N/A	LT	0.0034*	N/A
Dieldrin	µg/L	0.0074	LT	0.0074*	LT	0.0074*	N/A	LT	0.0074*	N/A
Endrin	µg/L	0.0176	LT	0.0176*	LT	0.0176* 7	N/A	LT	0.0176*	N/A
Endrin Aldehyde	µg/L	0.0504	LT	0.0504*	LT	0.0504*	N/A	LT	0.0504*	N/A
Heptachlor	µg/L	0.0025	LT	0.0025*	LT	0.0025* H	N/A		0.00918* U	N/A
Heptachlor Epoxide	µg/L	0.0063	LT	0.0063*	LT	0.0063*	N/A	LT	0.0063*	N/A
Isodrin	µg/L	0.0025	LT	0.0025*	LT	0.0025*	N/A	LT	0.0025*	N/A
Lindane	µg/L	0.0025	LT	0.0025*	LT	0.0025*	N/A	LT	0.0025*	N/A
Methoxychlor	µg/L	0.075	LT	0.075*	LT	0.075* H	N/A	LT	0.075*	N/A
PCB-1016	µg/L	0.385	LT	0.385*	LT	0.385*	N/A	LT	0.385*	N/A
PCB-1260	µg/L	0.176	LT	0.176*	LT	0.176*	N/A	LT	0.176*	N/A
4,4'-DDD	µg/L	0.0081	LT	0.0081*	LT	0.0081*	N/A	LT	0.0081*	N/A
4,4'-DDE	µg/L	0.0039	LT	0.0039*	LT	0.0039*	N/A	LT	0.0039*	N/A
4,4'-DDT	µg/L	0.0025	LT	0.0025*	LT	0.0025* H	N/A	LT	0.0025*	N/A
Toxaphene	µg/L	1.64	LT	1.64*	LT	1.64*	N/A	LT	1.64*	N/A

Table F-6. Data Summary Table: Groundwater - Equipment Rinsates, Pelham Range, Fort McClellan RI, Anniston Alabama (Continued)

Site ID				OWH-S03		OWH-S03		OWH-S10		OWH-S10		RJ-S05
Field Sample Number				SAICRB37		SAICRB38		SAICRB38		SAICRB39		SAICRB22
Site Type				RNSW		RNSW		RNSW		RNSW		RNSW
Collection Date				6/21/94		6/22/94		6/28/94		6/28/94		5/18/94
Depth (ft)				0		0		0		0		0
Associated Field QC Sample - Site ID												
Associated Field QC Sample - Field Sample No.												
Associated Field QC Sample - Site ID												
Associated Field QC Sample - Field Sample No.												
EXPLOSIVES/WATER/HPLC (µg/L)												
Laboratory ID Number				UB04219		UB04277		N/A		UB04449		N/A
Parameter	Units	CRL										
1,3,5-Trinitrobenzene	µg/L	0.21	LT	0.21*	LT	0.21*		N/A	LT	0.21*		N/A
1,3-Dinitrobenzene	µg/L	0.458	LT	0.458*	LT	0.458*		N/A	LT	0.458*		N/A
2,4,6-Trinitrotoluene	µg/L	0.426	LT	0.426*	LT	0.426*		N/A	LT	0.426*		N/A
2,4-Dinitrotoluene	µg/L	0.397	LT	0.397*	LT	0.397* 7		N/A	LT	0.397*		N/A
2,6-Dinitrotoluene	µg/L	0.6	LT	0.6*	LT	0.6*		N/A	LT	0.6*		N/A
Cyclotetramethylenetetranitra	µg/L	0.533	LT	0.533*	LT	0.533*		N/A	LT	0.533*		N/A
Nitrobenzene	µg/L	0.682	LT	0.682*	LT	0.682*		N/A	LT	0.682*		N/A
Hexahydro-1,3,5-trinitro-1,3,	µg/L	0.416	LT	0.416*	LT	0.416*		N/A	LT	0.416*		N/A
N-methyl-N,2,4,6-tetranitroan	µg/L	0.631	LT	0.631*	LT	0.631*		N/A	LT	0.631*		N/A
NG and PETN/WATER/HPLC (µg/L)												
Laboratory ID Number				UB04219		UB04277		N/A		UB04449		N/A
Parameter	Units	CRL										
Nitroglycerine	µg/L	1.49	LT	1.49*	LT	1.49*		N/A	LT	1.49*		N/A
Pentaerythritol tetranitrate	µg/L	2	LT	2*	LT	2*		N/A	LT	2*		N/A
ORGANOSULFURS/WATER/GCFP (µg/L)												
Laboratory ID Number				MCBW*53				MCBW*57		N/A		MCBW*21
Parameter	Units	CRL										
Benzothiazole	µg/L	2.11	LT	2.11*			LT	2.11*		N/A	LT	2.11*
p-Chlorophenylmethyl sulfide	µg/L	1.26	LT	1.26*			LT	1.26*		N/A	LT	1.26*
p-Chlorophenylmethyl sulfoxid	µg/L	4.23	LT	4.23*			LT	4.23*		N/A	LT	4.23*
p-Chlorophenylmethyl sulfone	µg/L	4.72	LT	4.72*			LT	4.72*		N/A	LT	4.72*
Dithiane	µg/L	1.11	LT	1.11*			LT	1.11*		N/A	LT	1.11*
Dimethyl disulfide	µg/L	1.14	LT	1.14*			LT	1.14*		N/A	LT	1.14*
1,4-Oxathiane	µg/L	1.98	LT	1.98*			LT	1.98*		N/A	LT	1.98*
ORGANICS/WATER/IC (µg/L)												
Laboratory ID Number				MCBW*53				MCBW*57		N/A		MCBW*21
Parameter	Units	CRL										
Chloroacetic acid	µg/L	25	LT	25*			LT	25*		N/A	LT	25*
Fluoroacetic acid	µg/L	25	LT	25*			LT	25*		N/A	LT	25*
Isopropyl methylphosphonate	µg/L	25	LT	25*			LT	25*		N/A	LT	25*
Methylphosphonic acid	µg/L	50	LT	50*			LT	50*		N/A	LT	50*

Table F-6. Data Summary Table: Groundwater - Equipment Rinsates, Pelham Range, Fort McClellan RI, Anniston Alabama (Continued)

Site ID				OWH-S03		OWH-S03		OWH-S10		OWH-S10		RJ-S05
Field Sample Number				SAICRB37		SAICRB38		SAICRB38		SAICRB39		SAICRB22
Site Type				RNSW		RNSW		RNSW		RNSW		RNSW
Collection Date				6/21/94		6/22/94		6/28/94		6/28/94		5/18/94
Depth (ft)				0		0		0		0		0
Associated Field QC Sample - Site ID												
Associated Field QC Sample - Field Sample No.												
Associated Field QC Sample - Site ID												
Associated Field QC Sample - Field Sample No.												
ORGANOSULFURS/WATER/HPLC (µg/L)												
Laboratory ID Number				MCBW*53				MCBW*57		N/A		MCBW*21
Parameter	Units	CRL										
Thiodiglycol	µg/L	48.8	LT	48.8*			LT	48.8*		N/A	LT	48.8*
Thiodiglycolic acid	µg/L	52.7								N/A		
ORGANOPHOSPHOR/WATER/GCFP (µg/L)												
Laboratory ID Number				MCBW*53				MCBW*57		N/A		
Parameter	Units	CRL										
Diisopropyl methylphosphonate	µg/L	10.5	LT	10.5*			LT	10.5*		N/A		
Dimethyl methylphosphonate	µg/L	15.2	LT	15.2*			LT	15.2*		N/A		
ISOPROPYLAMINE IN WATER												
Laboratory ID Number				MCBW*53				MCBW*57		N/A		
Parameter	Units	CRL										
Isopropylamine	µg/L	100	LT	100*			LT	100*		N/A		
HEXA-WA												
Laboratory ID Number				N/A		N/A		N/A		N/A		N/A
Parameter	Units	CRL										
Hexachlorocyclopentadiene	µg/L	54		N/A		N/A		N/A		N/A		N/A
Hexachlorobenzene	µg/L	12		N/A		N/A		N/A		N/A		N/A
BIOLOGICAL OXYGEN DEMAND (µg/g)												
Laboratory ID Number				N/A		N/A		N/A		N/A		N/A
Parameter	Units	CRL										
Biological Oxygen Demand	µg/L	4000		N/A		N/A		N/A		N/A		N/A

Table F-6. Data Summary Table: Groundwater - Equipment Rinsates, Pelham Range, Fort McClellan RI, Anniston Alabama (Continued)

Site ID			RK-S01	RL-D01	RL-S01	RL-S03	RL-S03
Field Sample Number			SAICRB29	SAICRB32	SAICRB31	SAICRB33	SAICRB34
Site Type			RNSW	RNSW	RNSW	RNSW	RNSW
Collection Date			6/7/94	6/15/94	6/10/94	6/15/94	6/16/94
Depth (ft)			0	0	0	0	0
Associated Field QC Sample - Site ID							
Associated Field QC Sample - Field Sample No.							
Associated Field QC Sample - Site ID							
Associated Field QC Sample - Field Sample No.							
METALS/WATER (µg/L)							
Laboratory ID Number			N/A	N/A	N/A	N/A	N/A
Parameter	Units	CRL					
Antimony	µg/L	3	N/A	N/A	N/A	N/A	N/A
Arsenic	µg/L	2.35	N/A	N/A	N/A	N/A	N/A
Lead	µg/L	4.47	N/A	N/A	N/A	N/A	N/A
Selenium	µg/L	2.53	N/A	N/A	N/A	N/A	N/A
Thallium	µg/L	1	N/A	N/A	N/A	N/A	N/A
Mercury	µg/L	0.1	N/A	N/A	N/A	N/A	N/A
Silver	µg/L	10	N/A	N/A	N/A	N/A	N/A
Aluminum	µg/L	112	N/A	N/A	N/A	N/A	N/A
Boron	µg/L	230	N/A	N/A	N/A	N/A	N/A
Barium	µg/L	2.82	N/A	N/A	N/A	N/A	N/A
Beryllium	µg/L	1.12	N/A	N/A	N/A	N/A	N/A
Cadmium	µg/L	4	N/A	N/A	N/A	N/A	N/A
Calcium	µg/L	105	N/A	N/A	N/A	N/A	N/A
Cobalt	µg/L	25	N/A	N/A	N/A	N/A	N/A
Copper	µg/L	16.8	N/A	N/A	N/A	N/A	N/A
Chromium	µg/L	16.8	N/A	N/A	N/A	N/A	N/A
Iron	µg/L	77.5	N/A	N/A	N/A	N/A	N/A
Potassium	µg/L	1240	N/A	N/A	N/A	N/A	N/A
Magnesium	µg/L	135	N/A	N/A	N/A	N/A	N/A
Manganese	µg/L	9.67	N/A	N/A	N/A	N/A	N/A
Molybdenum	µg/L	52.7	N/A	N/A	N/A	N/A	N/A
Sodium	µg/L	279	N/A	N/A	N/A	N/A	N/A
Nickel	µg/L	32.1	N/A	N/A	N/A	N/A	N/A
Tin	µg/L	59.9	N/A	N/A	N/A	N/A	N/A
Tellurium	µg/L	118	N/A	N/A	N/A	N/A	N/A
Vanadium	µg/L	27.6	N/A	N/A	N/A	N/A	N/A
Zinc	µg/L	18	N/A	N/A	N/A	N/A	N/A

VOLATILES/WATER (µg/L)												
Laboratory ID Number			N/A	UB04029		UB03832		UB04031		UB04065		
Parameter	Units	CRL										
1,1,1-Trichloroethane	µg/L	1	N/A	LT	1*	LT	1*	LT	1*	LT	1*	
1,1,2-Trichloroethane	µg/L	1	N/A	LT	1*	LT	1*	LT	1*	LT	1*	
1,1-Dichloroethene	µg/L	1	N/A	LT	1*	LT	1*	LT	1*	LT	1*	
1,1-Dichloroethane	µg/L	1	N/A	LT	1*	LT	1*	LT	1*	LT	1*	
1,2-Dichloroethene	µg/L	5	N/A	LT	5*	LT	5*	LT	5*	LT	5*	
1,2-Dichloroethane	µg/L	1	N/A	LT	1*	LT	1*	LT	1*	LT	1*	
1,2-Dichloropropane	µg/L	1	N/A	LT	1*	LT	1*	LT	1*	LT	1*	
1,3-Dichlorobenzene	µg/L	1	N/A	LT	1*	LT	1*	LT	1*	LT	1*	

Table F-6. Data Summary Table: Groundwater - Equipment Rinsates, Pelham Range, Fort McClellan RI, Anniston Alabama (Continued)

Site ID			RK-S01			RL-D01			RL-S01			RL-S03			RL-S03	
Field Sample Number			SAICRB29			SAICRB32			SAICRB31			SAICRB33			SAICRB34	
Site Type			RNSW			RNSW			RNSW			RNSW			RNSW	
Collection Date			6/7/94			6/15/94			6/10/94			6/15/94			6/16/94	
Depth (ft)			0			0			0			0			0	
Associated Field QC Sample - Site ID																
Associated Field QC Sample - Field Sample No.																
Associated Field QC Sample - Site ID																
Associated Field QC Sample - Field Sample No.																
1,3-Dichloropropane	µg/L	4.8	N/A	LT	4.8*	LT	4.8*	LT	4.8*	LT	4.8*	LT	4.8*	LT	4.8*	
1,3-Dimethylbenzene	µg/L	1	N/A	LT	1*	LT	1*	LT	1*	LT	1*	LT	1*	LT	1*	
2-Chloroethylvinyl Ether	µg/L	3.5	N/A	LT	3.5*	LT	3.5*	LT	3.5*	LT	3.5*	LT	3.5*	LT	3.5*	
Acetone	µg/L	8	N/A	LT	8*	LT	8*	LT	8*	LT	8*	LT	8*	LT	8*	
Acrylonitrile	µg/L	8.4	N/A	LT	8.4*	LT	8.4*	LT	8.4*	LT	8.4*	LT	8.4*	LT	8.4*	
Bromodichloromethane	µg/L	1	N/A	LT	1*	LT	1*	LT	1*	LT	1*	LT	1*	LT	1*	
Chloroethane	µg/L	8	N/A	LT	8*	LT	8*	LT	8*	LT	8*	LT	8*	LT	8*	
Benzene	µg/L	1	N/A	LT	1*	LT	1*	LT	1*	LT	1*	LT	1*	LT	1*	
Trichlorofluoromethane	µg/L	1	N/A	LT	1*	LT	1*	LT	1*	LT	1*	LT	1*	LT	1*	
Carbon Tetrachloride	µg/L	1	N/A	LT	1*	LT	1*	LT	1*	LT	1*	LT	1*	LT	1*	
Methylene Chloride	µg/L	1	N/A	LT	1*	LT	1*	LT	1*	LT	1*	LT	1*	LT	1*	
Bromomethane	µg/L	14	N/A	LT	14*	LT	14*	LT	14*	LT	14*	LT	14*	LT	14*	
Chloromethane	µg/L	1.2	N/A	LT	1.2*	LT	1.2*	LT	1.2*	LT	1.2*	LT	1.2*	LT	1.2*	
Bromoform	µg/L	11	N/A	LT	11*	LT	11*	LT	11*	LT	11*	LT	11*	LT	11*	
Chloroform	µg/L	1	N/A	LT	1*		6.3*		5.6*		4.8*					
Chlorobenzene	µg/L	1	N/A	LT	1*	LT	1*	LT	1*	LT	1*	LT	1*	LT	1*	
Dibromochloromethane	µg/L	1	N/A	LT	1*	LT	1*	LT	1*	LT	1*	LT	1*	LT	1*	
Ethylbenzene	µg/L	1	N/A	LT	1*	LT	1*	LT	1*	LT	1*	LT	1*	LT	1*	
Toluene	µg/L	1	N/A	LT	1*	LT	1*	LT	1*	LT	1*	LT	1*	LT	1*	
Methylethylketone	µg/L	10	N/A	LT	10*	LT	10*	LT	10*	LT	10*	LT	10*	LT	10*	
Methylisobutylketone	µg/L	1.4	N/A	LT	1.4*	LT	1.4*	LT	1.4*	LT	1.4*	LT	1.4*	LT	1.4*	
1,1,2,2-Tetrachloroethane	µg/L	1.5	N/A	LT	1.5*	LT	1.5*	LT	1.5*	LT	1.5*	LT	1.5*	LT	1.5*	
Tetrachloroethene	µg/L	1	N/A	LT	1*	LT	1*	LT	1*	LT	1*	LT	1*	LT	1*	
Trichloroethene	µg/L	1	N/A	LT	1*	LT	1*	LT	1*	LT	1*	LT	1*	LT	1*	
1,2-Dimethylbenzene	µg/L	2	N/A	LT	2*	LT	2*	LT	2*	LT	2*	LT	2*	LT	2*	
Vinyl Chloride	µg/L	1	N/A	LT	1*	LT	1*	LT	1*	LT	1*	LT	1*	LT	1*	
TICs	µg/L		N/A		0 (0.0)		0 (0.0)		0 (0.0)		0 (0.0)					

SEMIVOLATILES/WATER (µg/L)

Laboratory ID Number			N/A			UB04029			UB03832			UB04031			UB04085	
Parameter	Units	CRL														
1,2,3-Trichlorobenzene	µg/L	5.8	N/A	LT	5.8*	LT	5.8*	LT	5.8*	LT	5.8*	LT	5.8*	LT	5.8*	
1,2,4-Trichlorobenzene	µg/L	2.4	N/A	LT	2.4*	LT	2.4*	LT	2.4*	LT	2.4*	LT	2.4*	LT	2.4*	
1,2-Dichlorobenzene	µg/L	1.2	N/A	LT	1.2*	LT	1.2*	LT	1.2*	LT	1.2*	LT	1.2*	LT	1.2*	
1,2-Diphenylhydrazine	µg/L	13	N/A	LT	13*	LT	13*	LT	13*	LT	13*	LT	13*	LT	13*	
1,3-Dichlorobenzene	µg/L	3.4	N/A	LT	3.4*	LT	3.4*	LT	3.4*	LT	3.4*	LT	3.4*	LT	3.4*	
1,4-Dichlorobenzene	µg/L	1.5	N/A	LT	1.5*	LT	1.5*	LT	1.5*	LT	1.5*	LT	1.5*	LT	1.5*	
2,3,6-Trichlorophenol	µg/L	1.7	N/A	LT	1.7*	LT	1.7*	LT	1.7*	LT	1.7*	LT	1.7*	LT	1.7*	
2,4,5-Trichlorophenol	µg/L	2.8	N/A	LT	2.8*	LT	2.8*	LT	2.8*	LT	2.8*	LT	2.8*	LT	2.8*	
2,4,6-Trichlorophenol	µg/L	3.6	N/A	LT	3.6*	LT	3.6*	LT	3.6*	LT	3.6*	LT	3.6*	LT	3.6*	
2,4-Dichlorophenol	µg/L	8.4	N/A	LT	8.4*	LT	8.4*	LT	8.4*	LT	8.4*	LT	8.4*	LT	8.4*	
2,4-Dimethylphenol	µg/L	4.4	N/A	LT	4.4*	LT	4.4*	LT	4.4*	LT	4.4*	LT	4.4*	LT	4.4*	
2,4-Dinitrophenol	µg/L	176	N/A	LT	176*	LT	176*	LT	176*	LT	176*	LT	176*	LT	176*	

Table F-6. Data Summary Table: Groundwater - Equipment Rinsates, Pelham Range, Fort McClellan RI, Anniston Alabama (Continued)

Site ID			RK-S01		RL-D01		RL-S01		RL-S03		RL-S03
Field Sample Number			SAICRB29		SAICRB32		SAICRB31		SAICRB33		SAICRB34
Site Type			RNSW		RNSW		RNSW		RNSW		RNSW
Collection Date			6/7/94		6/15/94		6/10/94		6/15/94		6/16/94
Depth (ft)			0		0		0		0		0
Associated Field QC Sample - Site ID											
Associated Field QC Sample - Field Sample No.											
Associated Field QC Sample - Site ID											
Associated Field QC Sample - Field Sample No.											
2,6-Dinitroaniline	µg/L	8.8	N/A	LT	8.8*	LT	8.8*	LT	8.8*	LT	8.8*
2-Chlorophenol	µg/L	2.8	N/A	LT	2.8*	LT	2.8*	LT	2.8*	LT	2.8*
2-Chloronaphthalene	µg/L	2.6	N/A	LT	2.6*	LT	2.6*	LT	2.6*	LT	2.6*
2-Methylnaphthalene	µg/L	1.3	N/A	LT	1.3*	LT	1.3*	LT	1.3*	LT	1.3*
2-Methyl Phenol	µg/L	3.6	N/A	LT	3.6*	LT	3.6*	LT	3.6*	LT	3.6*
2-Nitrophenol	µg/L	8.2	N/A	LT	8.2*	LT	8.2*	LT	8.2*	LT	8.2*
3,3'-Dichlorobenzidine	µg/L	5	N/A	LT	5*	LT	5*	LT	5*	LT	5*
3,5-Dinitro-aniline	µg/L	21	N/A	LT	21*	LT	21*	LT	21*	LT	21*
3-Nitroaniline	µg/L	15	N/A	LT	15*	LT	15*	LT	15*	LT	15*
3-Nitrotoluene	µg/L	2.9	N/A	LT	2.9*	LT	2.9*	LT	2.9*	LT	2.9*
4-Bromophenyl Phenyl Ether	µg/L	22	N/A	LT	22*	LT	22*	LT	22*	LT	22*
4-Chloro-3-methylphenol	µg/L	8.5	N/A	LT	8.5*	LT	8.5*	LT	8.5*	LT	8.5*
4-Chlorophenyl Phenyl Ether	µg/L	23	N/A	LT	23*	LT	23*	LT	23*	LT	23*
4-Methyl Phenol	µg/L	2.8	N/A	LT	2.8*	LT	2.8*	LT	2.8*	LT	2.8*
4-Nitrophenol	µg/L	96	N/A	LT	96*	LT	96*	LT	96*	LT	96*
Acenaphthene	µg/L	5.8	N/A	LT	5.8*	LT	5.8*	LT	5.8*	LT	5.8*
Acenaphthylene	µg/L	5.1	N/A	LT	5.1*	LT	5.1*	LT	5.1*	LT	5.1*
Anthracene	µg/L	5.2	N/A	LT	5.2*	LT	5.2*	LT	5.2*	LT	5.2*
Atrazine	µg/L	5.9	N/A	LT	5.9*	LT	5.9*	LT	5.9*	LT	5.9*
bis(2-Chloroethoxy) Methane	µg/L	6.8	N/A	LT	6.8*	LT	6.8*	LT	6.8*	LT	6.8*
bis(2-Chloroisopropyl) Ether	µg/L	5	N/A	LT	5*	LT	5*	LT	5*	LT	5*
bis(2-Chloroethyl)ether	µg/L	0.66	N/A	LT	0.66*	LT	0.66*	LT	0.66*	LT	0.66*
bis(2-Ethylhexyl)phthalate	µg/L	7.7	N/A	LT	7.7*	LT	7.7*	LT	7.7*	LT	7.7*
Butyl Benzyl Phthalate	µg/L	28	N/A	LT	28*	LT	28*	LT	28*	LT	28*
Benzo(g,h,i)perylene	µg/L	15	N/A	LT	15*	LT	15*	LT	15*	LT	15*
Bromacil	µg/L	2.9	N/A	LT	2.9*	LT	2.9*	LT	2.9*	LT	2.9*
Benzyl Alcohol	µg/L	4	N/A	LT	4*	LT	4*	LT	4*	LT	4*
Hexachloroethane	µg/L	8.3	N/A	LT	8.3*	LT	8.3*	LT	8.3*	LT	8.3*
Dibromochloropropane	µg/L	12	N/A	LT	12*	LT	12*	LT	12*	LT	12*
Dibenzofuran	µg/L	5.1	N/A	LT	5.1*	LT	5.1*	LT	5.1*	LT	5.1*
Dicyclopentadiene	µg/L	5.5	N/A	LT	5.5*	LT	5.5*	LT	5.5*	LT	5.5*
Vapona	µg/L	8.5	N/A	LT	8.5*	LT	8.5*	LT	8.5*	LT	8.5*
Diethyl Phthalate	µg/L	5.9	N/A	LT	5.9*	LT	5.9*	LT	5.9*	LT	5.9*
Dimethyl Phthalate	µg/L	2.2	N/A	LT	2.2*	LT	2.2*	LT	2.2*	LT	2.2*
di-N-Butyl Phthalate	µg/L	33	N/A	LT	33*	LT	33*	LT	33*	LT	33*
di-N-Octyl Phthalate	µg/L	1.5	N/A	LT	1.5*	LT	1.5*	LT	1.5*	LT	1.5*
Endosulfan Sulfate	µg/L	50	N/A	LT	50*	LT	50*	LT	50*	LT	50*
Fluoranthene	µg/L	24	N/A	LT	24*	LT	24*	LT	24*	LT	24*
Fluorene	µg/L	9.2	N/A	LT	9.2*	LT	9.2*	LT	9.2*	LT	9.2*
Hexachlorobutadiene	µg/L	8.7	N/A	LT	8.7*	LT	8.7*	LT	8.7*	LT	8.7*
Isophorone	µg/L	2.4	N/A	LT	2.4*	LT	2.4*	LT	2.4*	LT	2.4*
Mirex	µg/L	24	N/A	LT	24*	LT	24*	LT	24*	LT	24*
Malathion	µg/L	21	N/A	LT	21*	LT	21*	LT	21*	LT	21*
Naphthalene	µg/L	0.5	N/A	LT	0.5*	LT	0.5*	LT	0.5*	LT	0.5*

Table F-6. Data Summary Table: Groundwater - Equipment Rinsates, Pelham Range, Fort McClellan RI, Anniston Alabama (Continued)

Site ID			RK-S01	RL-D01	RL-S01	RL-S03	RL-S03
Field Sample Number			SAICRB29	SAICRB32	SAICRB31	SAICRB33	SAICRB34
Site Type			RNSW	RNSW	RNSW	RNSW	RNSW
Collection Date			6/7/94	6/15/94	6/10/94	6/15/94	6/16/94
Depth (ft)			0	0	0	0	0
Associated Field QC Sample - Site ID							
Associated Field QC Sample - Field Sample No.							
Associated Field QC Sample - Site ID							
Associated Field QC Sample - Field Sample No.							
Nitrobenzene	µg/L	3.7	N/A	LT 3.7*	LT 3.7*	LT 3.7*	LT 3.7*
N-Nitrosodimethylamine	µg/L	9.7	N/A	LT 9.7*	LT 9.7*	LT 9.7*	LT 9.7*
N-Nitroso-di-N-propylamine	µg/L	6.8	N/A	LT 6.8*	LT 6.8*	LT 6.8*	LT 6.8*
N-Nitrosodiphenylamine	µg/L	3.7	N/A	LT 3.7*	LT 3.7*	LT 3.7*	LT 3.7*
Phenanthrene	µg/L	9.9	N/A	LT 9.9*	LT 9.9*	LT 9.9*	LT 9.9*
Phenol	µg/L	2.2	N/A	LT 2.2*	LT 2.2*	LT 2.2*	LT 2.2*
Parathion	µg/L	37	N/A	LT 37*	LT 37*	LT 37*	LT 37*
Pyrene	µg/L	17	N/A	LT 17*	LT 17*	LT 17*	LT 17*
Supona	µg/L	19	N/A	LT 19*	LT 19*	LT 19*	LT 19*
Pentachlorophenol	µg/L	1	N/A	LT 1*	LT 1*	LT 1*	LT 1*
Benzo(a)pyrene	µg/L	0.2	N/A	LT 0.0206*	LT 0.0206*	LT 0.0206*	LT 0.0206*
Benzo(b)fluoranthene	µg/L	0.2	N/A	LT 0.0402*	LT 0.0402*	LT 0.0402*	LT 0.0402*
Benzo(k)fluoranthene	µg/L	0.2	N/A	LT 0.0193*	LT 0.0193*	LT 0.0193*	LT 0.0193*
Chrysene	µg/L	0.2	N/A	LT 0.0195*	LT 0.0195*	LT 0.0195*	LT 0.0195*
Dibenzo(a,h)anthracene	µg/L	0.3	N/A	LT 0.0396*	LT 0.0396*	LT 0.0396*	LT 0.0396*
Indeno(1,2,3-cd)pyrene	µg/L	0.4	N/A	LT 0.0196*	LT 0.0196*	LT 0.0196*	LT 0.0196*
Benzo(e)anthracene	µg/L	0.1	N/A	LT 0.0196*	LT 0.0196*	LT 0.0196*	LT 0.0196*
TICs	µg/L		N/A	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)

PESTICIDES/WATER/GCEC (µg/L)

Laboratory ID Number			N/A	UB04029	UB03832	UB04031	UB04065
Parameter	Units	CRL					
alpha-BHC	µg/L	0.0025	N/A	LT 0.0025*	LT 0.0025*	LT 0.0025*	LT 0.0025*
Endosulfan I	µg/L	0.0025	N/A	LT 0.0025*	LT 0.0025*	LT 0.0025*	LT 0.0025*
Aldrin	µg/L	0.0074	N/A	LT 0.0074*	LT 0.0074*	LT 0.0074*	LT 0.0074*
beta-BHC	µg/L	0.0099	N/A	LT 0.0099*	LT 0.0099*	LT 0.0099*	LT 0.0099*
Endosulfan II	µg/L	0.0077	N/A	LT 0.0077*	LT 0.0077*	LT 0.0077*	LT 0.0077*
Chlordane	µg/L	0.0312	N/A	LT 0.0312*	LT 0.0312*	LT 0.0312*	LT 0.0312*
delta-BHC	µg/L	0.0034	N/A	LT 0.0034*	LT 0.0034*	LT 0.0034*	LT 0.0034*
Dieldrin	µg/L	0.0074	N/A	LT 0.0074*	LT 0.0074*	LT 0.0074*	LT 0.0074*
Endrin	µg/L	0.0176	N/A	LT 0.0176*	LT 0.0176*	LT 0.0176*	LT 0.0176*
Endrin Aldehyde	µg/L	0.0504	N/A	0.0911* U	LT 0.0504*	0.0743* U	LT 0.0504*
Heptachlor	µg/L	0.0025	N/A	LT 0.0025*	LT 0.0025*	LT 0.0025*	LT 0.0025*
Heptachlor Epoxide	µg/L	0.0063	N/A	LT 0.0063*	LT 0.0063*	LT 0.0063*	LT 0.0063*
Isodrin	µg/L	0.0025	N/A	LT 0.0025*	LT 0.0025*	LT 0.0025*	LT 0.0025*
Lindane	µg/L	0.0025	N/A	LT 0.0025*	LT 0.0025*	LT 0.0025*	LT 0.0025*
Methoxychlor	µg/L	0.075	N/A	LT 0.075*	LT 0.075*	LT 0.075*	LT 0.075*
PCB-1016	µg/L	0.385	N/A	LT 0.385* 7	LT 0.385*	LT 0.385* 7	LT 0.385*
PCB-1260	µg/L	0.176	N/A	LT 0.176* 7	LT 0.176*	LT 0.176* 7	LT 0.176*
4,4'-DDD	µg/L	0.0081	N/A	LT 0.0081*	LT 0.0081*	LT 0.0081*	LT 0.0081*
4,4'-DDE	µg/L	0.0039	N/A	LT 0.0039*	LT 0.0039*	LT 0.0039*	LT 0.0039*
4,4'-DDT	µg/L	0.0025	N/A	LT 0.0025*	LT 0.0025*	LT 0.0025*	0.00351* C
Toxaphene	µg/L	1.64	N/A	LT 1.64*	LT 1.64*	LT 1.64*	LT 1.64*

Table F-6. Data Summary Table: Groundwater - Equipment Rinsates, Pelham Range, Fort McClellan RI, Anniston Alabama (Continued)

Site ID			RK-S01	RL-D01	RL-S01	RL-S03	RL-S03
Field Sample Number			SAICRB29	SAICRB32	SAICRB31	SAICRB33	SAICRB34
Site Type			RNSW	RNSW	RNSW	RNSW	RNSW
Collection Date			6/7/94	6/15/94	6/10/94	6/15/94	6/16/94
Depth (ft)			0	0	0	0	0
Associated Field QC Sample - Site ID							
Associated Field QC Sample - Field Sample No.							
Associated Field QC Sample - Site ID							
Associated Field QC Sample - Field Sample No.							
EXPLOSIVES/WATER/HPLC (µg/L)							
Laboratory ID Number			UB03623	UB04029	UB03832	UB04031	UB04065
Parameter	Units	CRL					
1,3,5-Trinitrobenzene	µg/L	0.21	LT 0.21* H	LT 0.21*	LT 0.21*	LT 0.21*	LT 0.21*
1,3-Dinitrobenzene	µg/L	0.458	LT 0.458*	LT 0.458*	LT 0.458*	LT 0.458*	LT 0.458*
2,4,6-Trinitrotoluene	µg/L	0.426	LT 0.426*	LT 0.426*	LT 0.426*	LT 0.426*	LT 0.426*
2,4-Dinitrotoluene	µg/L	0.397	LT 0.397*	LT 0.397*	LT 0.397*	LT 0.397*	LT 0.397*
2,6-Dinitrotoluene	µg/L	0.6	LT 0.6*	LT 0.6*	LT 0.6*	LT 0.6*	LT 0.6*
Cyclotetramethylenetetranitra	µg/L	0.533	LT 0.533*	LT 0.533*	LT 0.533*	LT 0.533*	LT 0.533*
Nitrobenzene	µg/L	0.682	LT 0.682*	LT 0.682*	LT 0.682*	LT 0.682*	LT 0.682*
Hexahydro-1,3,5-trinitro-1,3,	µg/L	0.416	LT 0.416* L	LT 0.416* 7	LT 0.416*	LT 0.416* 7	LT 0.416* 7
N-methyl-N,2,4,6-tetranitroan	µg/L	0.631	LT 0.631*	LT 0.631*	LT 0.631*	LT 0.631*	LT 0.631*
NG and PETN/WATER/HPLC (µg/L)							
Laboratory ID Number				UB04029		UB04031	UB04065
Parameter	Units	CRL					
Nitroglycerine	µg/L	1.49		LT 1.49*		LT 6.19* K	LT 1.49*
Pentaerythritol tetranitrate	µg/L	2		LT 2*		LT 2*	LT 2*
ORGANOSULFURS/WATER/GCFP (µg/L)							
Laboratory ID Number			MCBW*37	MCBW*34	MCBW*31	MCBW*32	MCBW*70
Parameter	Units	CRL					
Benzothiazole	µg/L	2.11	LT 2.11*	LT 2.11*	LT 2.11*	LT 2.11*	LT 2.11*
p-Chlorophenylmethyl sulfide	µg/L	1.26	LT 1.26*	LT 1.26*	LT 1.26*	LT 1.26*	LT 1.26*
p-Chlorophenylmethyl sulfoxid	µg/L	4.23	LT 4.23*	LT 4.23*	LT 4.23*	LT 4.23*	LT 4.23*
p-Chlorophenylmethyl sulfone	µg/L	4.72	LT 4.72*	LT 4.72*	LT 4.72*	LT 4.72*	LT 4.72*
Dithiane	µg/L	1.11	LT 1.11*	LT 1.11*	LT 1.11*	LT 1.11*	LT 1.11*
Dimethyl disulfide	µg/L	1.14	LT 1.14*	LT 1.14*	LT 1.14*	LT 1.14*	LT 1.14*
1,4-Oxathiane	µg/L	1.98	LT 1.98*	LT 1.98*	LT 1.98*	LT 1.98*	LT 1.98*
ORGANICS/WATER/IC (µg/L)							
Laboratory ID Number			MCBW*37	MCBW*34	MCBW*31	MCBW*32	MCBW*70
Parameter	Units	CRL					
Chloroacetic acid	µg/L	25	LT 25*	LT 25*	LT 25*	LT 25*	LT 25*
Fluoroacetic acid	µg/L	25	LT 25*	LT 25*	LT 25*	LT 25*	LT 25*
Isopropyl methylphosphonate	µg/L	25	LT 25*	LT 25*	LT 25*	LT 25*	LT 25*
Methylphosphonic acid	µg/L	50	LT 50*	LT 50*	LT 50*	LT 50*	LT 50*

Table F-6. Data Summary Table: Groundwater - Equipment Rinsates, Pelham Range, Fort McClellan RI, Anniston Alabama (Continued)

Site ID			RK-S01	RL-D01	RL-S01	RL-S03	RL-S03
Field Sample Number			SAICRB29	SAICRB32	SAICRB31	SAICRB33	SAICRB34
Site Type			RNSW	RNSW	RNSW	RNSW	RNSW
Collection Date			6/7/94	6/15/94	6/10/94	6/15/94	6/16/94
Depth (ft)			0	0	0	0	0
Associated Field QC Sample - Site ID							
Associated Field QC Sample - Field Sample No.							
Associated Field QC Sample - Site ID							
Associated Field QC Sample - Field Sample No.							
ORGANOSULFURS/WATER/HPLC (µg/L)							
Laboratory ID Number			MCBW*37	MCBW*34	MCBW*31	MCBW*32	MCBW*70
Parameter	Units	CRL					
Thiodiglycol	µg/L	48.8	LT 48.8*	LT 48.8*	LT 48.8*	LT 48.8*	LT 48.8*
Thiodiglycolic acid	µg/L	52.7					
ORGANOPHOSPHOR/WATER/GCFP (µg/L)							
Laboratory ID Number				MCBW*34	MCBW*31	MCBW*32	MCBW*70
Parameter	Units	CRL					
Diisopropyl methylphosphonate	µg/L	10.5		LT 10.5*	LT 10.5*	LT 10.5*	LT 10.5*
Dimethyl methylphosphonate	µg/L	15.2		LT 15.2*	LT 15.2*	LT 15.2*	LT 15.2*
ISOPROPYLAMINE IN WATER							
Laboratory ID Number				MCBW*34	MCBW*31	MCBW*32	MCBW*70
Parameter	Units	CRL					
Isopropylamine	µg/L	100		LT 100*	LT 100*	LT 100*	LT 100*
HEXA-WA							
Laboratory ID Number			N/A	N/A	N/A	N/A	N/A
Parameter	Units	CRL					
Hexachlorocyclopentadiene	µg/L	54	N/A	N/A	N/A	N/A	N/A
Hexachlorobenzene	µg/L	12	N/A	N/A	N/A	N/A	N/A
BIOLOGICAL OXYGEN DEMAND (µg/g)							
Laboratory ID Number			N/A	N/A	N/A	N/A	N/A
Parameter	Units	CRL					
Biological Oxygen Demand	µg/L	4000	N/A	N/A	N/A	N/A	N/A

Table F-6. Data Summary Table: Groundwater - Equipment Rinsates, Pelham Range, Fort McClellan RI, Anniston Alabama (Continued)

Site ID	RL-S04
Field Sample Number	SAICRB40
Site Type	RNSW
Collection Date	6/30/94
Depth (ft)	0
Associated Field QC Sample - Site ID	
Associated Field QC Sample - Field Sample No.	
Associated Field QC Sample - Site ID	
Associated Field QC Sample - Field Sample No.	

METALS/WATER (µg/L)

Laboratory ID Number				N/A
Parameter	Units	CRL		
Antimony	µg/L	3		N/A
Arsenic	µg/L	2.35		N/A
Lead	µg/L	4.47		N/A
Selenium	µg/L	2.53		N/A
Thallium	µg/L	1		N/A
Mercury	µg/L	0.1		N/A
Silver	µg/L	10		N/A
Aluminum	µg/L	112		N/A
Boron	µg/L	230		N/A
Barium	µg/L	2.82		N/A
Beryllium	µg/L	1.12		N/A
Cadmium	µg/L	4		N/A
Calcium	µg/L	105		N/A
Cobalt	µg/L	25		N/A
Copper	µg/L	18.8		N/A
Chromium	µg/L	16.8		N/A
Iron	µg/L	77.5		N/A
Potassium	µg/L	1240		N/A
Magnesium	µg/L	135		N/A
Manganese	µg/L	9.67		N/A
Molybdenum	µg/L	52.7		N/A
Sodium	µg/L	279		N/A
Nickel	µg/L	32.1		N/A
Tin	µg/L	59.9		N/A
Tellurium	µg/L	118		N/A
Vanadium	µg/L	27.6		N/A
Zinc	µg/L	18		N/A

VOLATILES/WATER (µg/L)

Laboratory ID Number				UB04477
Parameter	Units	CRL		
1,1,1-Trichloroethane	µg/L	1	LT	1*
1,1,2-Trichloroethane	µg/L	1	LT	1*
1,1-Dichloroethene	µg/L	1	LT	1*
1,1-Dichloroethane	µg/L	1	LT	1*
1,2-Dichloroethene	µg/L	5	LT	5*
1,2-Dichloroethane	µg/L	1	LT	1*
1,2-Dichloropropane	µg/L	1	LT	1*
1,3-Dichlorobenzene	µg/L	1	LT	1*

Table F-6. Data Summary Table: Groundwater - Equipment Rinsates, Pelham Range, Fort McClellan RI, Anniston Alabama (Continued)

Site ID				RL-S04
Field Sample Number				SAICRB40
Site Type				RNSW
Collection Date				6/30/94
Depth (ft)				0
Associated Field QC Sample - Site ID				
Associated Field QC Sample - Field Sample No.				
Associated Field QC Sample - Site ID				
Associated Field QC Sample - Field Sample No.				
1,3-Dichloropropane	µg/L	4.8	LT	4.8*
1,3-Dimethylbenzene	µg/L	1	LT	1*
2-Chloroethylvinyl Ether	µg/L	3.5	LT	3.5*
Acetone	µg/L	8	LT	8*
Acrylonitrile	µg/L	8.4	LT	8.4*
Bromodichloromethane	µg/L	1	LT	1*
Chloroethane	µg/L	8	LT	8*
Benzene	µg/L	1	LT	1*
Trichlorofluoromethane	µg/L	1	LT	1*
Carbon Tetrachloride	µg/L	1	LT	1*
Methylene Chloride	µg/L	1	LT	1*
Bromomethane	µg/L	14	LT	14*
Chloromethane	µg/L	1.2	LT	1.2*
Bromoform	µg/L	11	LT	11*
Chloroform	µg/L	1		1.6*
Chlorobenzene	µg/L	1	LT	1*
Dibromochloromethane	µg/L	1	LT	1*
Ethylbenzene	µg/L	1	LT	1*
Toluene	µg/L	1	LT	1*
Methylethylketone	µg/L	10	LT	10*
Methylisobutylketone	µg/L	1.4	LT	1.4*
1,1,2,2-Tetrachloroethane	µg/L	1.5	LT	1.5*
Tetrachloroethene	µg/L	1	LT	1*
Trichloroethene	µg/L	1	LT	1*
1,2-Dimethylbenzene	µg/L	2	LT	2*
Vinyl Chloride	µg/L	1	LT	1*
TICs	µg/L			0 (0.0)

SEMIVOLATILES/WATER (µg/L)

Laboratory ID Number				UB04477
Parameter	Units	CRL		
1,2,3-Trichlorobenzene	µg/L	5.8	LT	5.8*
1,2,4-Trichlorobenzene	µg/L	2.4	LT	2.4*
1,2-Dichlorobenzene	µg/L	1.2	LT	1.2*
1,2-Diphenylhydrazine	µg/L	13	LT	13*
1,3-Dichlorobenzene	µg/L	3.4	LT	3.4*
1,4-Dichlorobenzene	µg/L	1.5	LT	1.5*
2,3,6-Trichlorophenol	µg/L	1.7	LT	1.7*
2,4,5-Trichlorophenol	µg/L	2.8	LT	2.8*
2,4,6-Trichlorophenol	µg/L	3.6	LT	3.6*
2,4-Dichlorophenol	µg/L	8.4	LT	8.4*
2,4-Dimethylphenol	µg/L	4.4	LT	4.4*
2,4-Dinitrophenol	µg/L	176	LT	176*

Table F-6. Data Summary Table: Groundwater - Equipment Rinsates, Pelham Range, Fort McClellan RI, Anniston Alabama (Continued)

Site ID				RL-S04
Field Sample Number				SAICRB40
Site Type				RNSW
Collection Date				6/30/94
Depth (ft)				0
Associated Field QC Sample - Site ID				
Associated Field QC Sample - Field Sample No.				
Associated Field QC Sample - Site ID				
Associated Field QC Sample - Field Sample No.				
2,6-Dinitroaniline	µg/L	6.8	LT	6.8*
2-Chlorophenol	µg/L	2.8	LT	2.8*
2-Chloronaphthalene	µg/L	2.6	LT	2.6*
2-Methylnaphthalene	µg/L	1.3	LT	1.3*
2-Methyl Phenol	µg/L	3.6	LT	3.6*
2-Nitrophenol	µg/L	6.2	LT	6.2*
3,3'-Dichlorobenzidine	µg/L	5	LT	5*
3,5-Dinitro-aniline	µg/L	21	LT	21*
3-Nitroaniline	µg/L	15	LT	15*
3-Nitrotoluene	µg/L	2.9	LT	2.9*
4-Bromophenyl Phenyl Ether	µg/L	22	LT	22*
4-Chloro-3-methylphenol	µg/L	6.5	LT	6.5*
4-Chlorophenyl Phenyl Ether	µg/L	23	LT	23*
4-Methyl Phenol	µg/L	2.8	LT	2.8*
4-Nitrophenol	µg/L	96	LT	96*
Acenaphthene	µg/L	5.8	LT	5.8*
Acenaphthylene	µg/L	5.1	LT	5.1*
Anthracene	µg/L	5.2	LT	5.2*
Atrazine	µg/L	5.9	LT	5.9*
bis(2-Chloroethoxy) Methane	µg/L	6.8	LT	6.8*
bis(2-Chloroisopropyl) Ether	µg/L	5	LT	5*
bis(2-Chloroethyl)ether	µg/L	0.68	LT	0.68*
bis(2-Ethylhexyl)phthalate	µg/L	7.7	LT	7.7*
Butyl Benzyl Phthalate	µg/L	28	LT	28*
Benzo(g,h,i)perylene	µg/L	15	LT	15*
Bromacil	µg/L	2.9	LT	2.9*
Benzyl Alcohol	µg/L	4	LT	4*
Hexachloroethane	µg/L	6.3	LT	6.3*
Dibromochloropropane	µg/L	12	LT	12*
Dibenzofuran	µg/L	5.1	LT	5.1*
Dicyclopentadiene	µg/L	5.5	LT	5.5*
Vapona	µg/L	8.5	LT	8.5*
Diethyl Phthalate	µg/L	5.9	LT	5.9*
Dimethyl Phthalate	µg/L	2.2	LT	2.2*
di-N-Butyl Phthalate	µg/L	33	LT	33*
di-N-Octyl Phthalate	µg/L	1.5	LT	1.5*
Endosulfan Sulfate	µg/L	50	LT	50*
Fluoranthene	µg/L	24	LT	24*
Fluorene	µg/L	9.2	LT	9.2*
Hexachlorobutadiene	µg/L	8.7	LT	8.7*
Isophorone	µg/L	2.4	LT	2.4*
Mirex	µg/L	24	LT	24*
Malathion	µg/L	21	LT	21*
Naphthalene	µg/L	0.5	LT	0.5*

Table F-6. Data Summary Table: Groundwater - Equipment Rinsates, Pelham Range, Fort McClellan RI, Anniston Alabama (Continued)

Site ID				RL-S04
Field Sample Number				SAICRB40
Site Type				RNSW
Collection Date				6/30/94
Depth (ft)				0
Associated Field QC Sample - Site ID				
Associated Field QC Sample - Field Sample No.				
Associated Field QC Sample - Site ID				
Associated Field QC Sample - Field Sample No.				
Nitrobenzene	µg/L	3.7	LT	3.7*
N-Nitrosodimethylamine	µg/L	9.7	LT	9.7*
N-Nitroso-di-N-propylamine	µg/L	6.8	LT	6.8*
N-Nitrosodiphenylamine	µg/L	3.7	LT	3.7*
Phenanthrene	µg/L	9.9	LT	9.9*
Phenol	µg/L	2.2	LT	2.2*
Parathion	µg/L	37	LT	37*
Pyrene	µg/L	17	LT	17*
Supona	µg/L	19	LT	19*
Pentachlorophenol	µg/L	1	LT	1*
Benzo(a)pyrene	µg/L	0.2	LT	0.0206*
Benzo(b)fluoranthene	µg/L	0.2	LT	0.0402*
Benzo(k)fluoranthene	µg/L	0.2	LT	0.0193*
Chrysene	µg/L	0.2	LT	0.0195*
Dibenzo(a,h)anthracene	µg/L	0.3	LT	0.0396*
Indeno(1,2,3-cd)pyrene	µg/L	0.4	LT	0.0196*
Benzo(a)anthracene	µg/L	0.1	LT	0.0196*
TICs	µg/L			0 (0.0)

PESTICIDES/WATER/GCEC (µg/L)

Laboratory ID Number				UB04477
Parameter	Units	CRL		
alpha-BHC	µg/L	0.0025	LT	0.0025*
Endosulfan I	µg/L	0.0025	LT	0.0025*
Aldrin	µg/L	0.0074	LT	0.0074*
beta-BHC	µg/L	0.0099	LT	0.0099*
Endosulfan II	µg/L	0.0077	LT	0.0077*
Chlordane	µg/L	0.0312	LT	0.0312* H
delta-BHC	µg/L	0.0034	LT	0.0034*
Dieldrin	µg/L	0.0074	LT	0.0074*
Endrin	µg/L	0.0176	LT	0.0176*
Endrin Aldehyde	µg/L	0.0504	LT	0.0504*
Heptachlor	µg/L	0.0025	LT	0.0025*
Heptachlor Epoxide	µg/L	0.0063	LT	0.0063*
Isodrin	µg/L	0.0025	LT	0.0025*
Lindane	µg/L	0.0025	LT	0.0025*
Methoxychlor	µg/L	0.075	LT	0.075*
PCB-1016	µg/L	0.385	LT	0.385*
PCB-1260	µg/L	0.176	LT	0.176*
4,4'-DDD	µg/L	0.0081	LT	0.0081*
4,4'-DDE	µg/L	0.0039	LT	0.0039*
4,4'-DDT	µg/L	0.0025	LT	0.0025*
Toxaphene	µg/L	1.84	LT	1.84*

Table F-6. Data Summary Table: Groundwater - Equipment Rinsates, Pelham Range, Fort McClellan RI, Anniston Alabama (Continued)

Site ID				RL-S04
Field Sample Number				SAICRB40
Site Type				RNSW
Collection Date				6/30/94
Depth (ft)				0
Associated Field QC Sample - Site ID				
Associated Field QC Sample - Field Sample No.				
Associated Field QC Sample - Site ID				
Associated Field QC Sample - Field Sample No.				

EXPLOSIVES/WATER/HPLC (µg/L)

Laboratory ID Number				UB04477
Parameter	Units	CRL		
1,3,5-Trinitrobenzene	µg/L	0.21	LT	0.21*
1,3-Dinitrobenzene	µg/L	0.458	LT	0.458*
2,4,6-Trinitrotoluene	µg/L	0.426	LT	0.426*
2,4-Dinitrotoluene	µg/L	0.397	LT	0.397*
2,6-Dinitrotoluene	µg/L	0.6	LT	0.6*
Cyclotetramethylenetetranitra	µg/L	0.533	LT	0.533*
Nitrobenzene	µg/L	0.682	LT	0.682*
Hexahydro-1,3,5-trinitro-1,3,	µg/L	0.416	LT	0.416* 7
N-methyl-N,2,4,6-tetranitroan	µg/L	0.631	LT	0.631*

NG and PETN/WATER/HPLC (µg/L)

Laboratory ID Number				UB04477
Parameter	Units	CRL		
Nitroglycerine	µg/L	1.49	LT	1.49*
Pentaerythritol tetranitrate	µg/L	2	LT	2*

ORGANOSULFURS/WATER/GCFP (µg/L)

Laboratory ID Number				MCBW*56
Parameter	Units	CRL		
Benzothiazole	µg/L	2.11	LT	2.11*
p-Chlorophenylmethyl sulfide	µg/L	1.26	LT	1.26*
p-Chlorophenylmethyl sulfoxid	µg/L	4.23	LT	4.23*
p-Chlorophenylmethyl sulfone	µg/L	4.72	LT	4.72*
Dithiane	µg/L	1.11	LT	1.11*
Dimethyl disulfide	µg/L	1.14	LT	1.14*
1,4-Oxathiane	µg/L	1.98	LT	1.98*

ORGANICS/WATER/IC (µg/L)

Laboratory ID Number				MCBW*56
Parameter	Units	CRL		
Chloroacetic acid	µg/L	25	LT	25*
Fluoroacetic acid	µg/L	25	LT	25*
Isopropyl methylphosphonate	µg/L	25	LT	25*
Methylphosphonic acid	µg/L	50	LT	50*

Table F-6. Data Summary Table: Groundwater - Equipment Rinsates, Pelham Range, Fort McClellan RI, Anniston Alabama (Continued)

Site ID				RL-S04
Field Sample Number				SAICRB40
Site Type				RNSW
Collection Date				6/30/94
Depth (ft)				0
Associated Field QC Sample - Site ID				
Associated Field QC Sample - Field Sample No.				
Associated Field QC Sample - Site ID				
Associated Field QC Sample - Field Sample No.				
ORGANOSULFURS/WATER/HPLC (µg/L)				
Laboratory ID Number				MCBW*58
Parameter	Units	CRL		
Thiodiglycol	µg/L	48.8	LT	48.8*
Thiodiglycolic acid	µg/L	52.7		
ORGANOPHOSPHOR/WATER/GCFP (µg/L)				
Laboratory ID Number				MCBW*58
Parameter	Units	CRL		
Diisopropyl methylphosphonate	µg/L	10.6	LT	10.6*
Dimethyl methylphosphonate	µg/L	15.2	LT	15.2*
ISOPROPYLAMINE IN WATER				
Laboratory ID Number				
Parameter	Units	CRL		
Isopropylamine	µg/L	100		
HEXA-WA				
Laboratory ID Number				N/A
Parameter	Units	CRL		
Hexachlorocyclopentadiene	µg/L	54		N/A
Hexachlorobenzene	µg/L	12		N/A
BIOLOGICAL OXYGEN DEMAND (µg/g)				
Laboratory ID Number				N/A
Parameter	Units	CRL		
Biological Oxygen Demand	µg/L	4000		N/A