APPENDIX J

DATA QUALITY ASSESSMENT

APPENDIX J. DATA QUALITY ASSESSMENT

J.1 INTRODUCTION

A comprehensive quality assurance/quality control (QA/QC) program was followed during the Phase II, Phase IIA, and Phase IIB Resource Conservation and Recovery Act (RCRA) Facility Investigation (RFI) conducted for the U.S. Army Environmental Center (USAEC) from 1993 to 1997 and at Deseret Chemical Depot (DCD) from 1997 to the present. These studies were conducted to ensure that analytical results and the decisions based on these results are representative of the environmental condition at the five Group 3 suspected release solid waste management units (SWMUs). The objectives of the RFI were to determine the areal and vertical extent and the chemical nature of identified contaminants, evaluate the potential for contaminant release and migration, and collect and analyze sufficient numbers of samples to support recommendations for further investigation or corrective actions. QST Environmental Laboratories (QST) and DataChem Laboratories (DCL) performed the analytical work in accordance with the *U.S. Army Toxic and Hazardous Materials Agency (USATHAMA) Quality Assurance Program (QAP), PAM 11-41* (January 1990); *Test Methods for Evaluating Solid Waste, Physical/Chemical Methods SW846;* and *Methods for Chemical Analysis of Water and Wastes.* The following documents were utilized during evaluation of the QC data: QC requirements contained within the guidelines and specifications presented in the Data Collection Quality Assurance Plan (DCQAP) (August 1994) submitted as part of the project plans prepared by Science Applications International Corporation (SAIC) and its addenda; *USATHAMA QAP, PAM 11-41* (January 1990); 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 *National Functional Guidelines for Organic and Inorganic Data Review* (EPA 1994). The number of soil and water samples collected and analyzed during the Phase II, Phase IIA, and Phase IIB RFI sampling events, in addition to the number of field QC blanks, are presented in Tables J-1 through J-3. All tables referenced throughout the text are presented at the end of this appendix.

J.1.1 Laboratory Quality Control Assessment

All environmental (i.e., soil and water) samples and field QC blanks (i.e., trip blanks, equipment rinsate blanks, and field blanks) collected during the DCD RFI were analyzed using USAEC and EPA test methods from the following documents:

- *USAEC Class 1, 1A, and 1B Performance Demonstrated Methods* (volatile organic compounds [VOCs], semivolatile organic compounds [SVOCs], polychlorinated biphenyls [PCBs], explosives, chemical agent breakdown products, thiodiglycol, organic acids, metals, anions, total phosphate, and cyanide)
- *Test Methods for Evaluating Solid Waste, Physical/Chemical Methods SW846,* (VOCs, SVOCs, explosives, metals, cyanide, and mercury)
- *Methods for Chemical Analysis of Water and Wastes* (total organic carbon [TOC], chemical oxygen demand [COD], and biological oxygen demand [BOD]).

During the review and evaluation process that SAIC conducted, 30 to 100 percent of the analytical data were subjected to a systematic and rigorous technical process by examining all analytical QC results and laboratory documentation, following the appropriate guidelines for laboratory data validation. QST analyzed all Phase II samples and all Phase IIA water samples. DCL analyzed Phase IIA soil samples and all Phase IIB samples. All data were validated and qualified as described in Section J.1.2 and using the guidelines and specifications described in the following documents:

- *User's Guide, IRDMIS, Volume II Data Dictionary,* PRI, 1994
- *National Functional Guidelines for Organic Data Review*, EPA CLP, February 1994 (VOCs, SVOCs, PCBs, and explosives)
- *National Functional Guidelines for Inorganic Data Review,* EPA CLP, February 1994 (metals, cyanide, and mercury)
- *USATHAMA Quality Assurance Program*, PAM 11-41 (January 1990)

J.1.2 Data Validation Report

Environmental and field QC samples collected during the RFI were submitted to QST and DCL for organic and inorganic analyses using *USATHAMA PAM 11-41*, and EPA methods.

Technical criteria identified in the *National Functional Guidelines for Organic and Inorganic Data Review* (1994) and *USATHAMA QAP, PAM 11-41* (January 1990)were used to validate the data. A data validation report was generated for each sample lot generated by QST and DCL. This section summarizes these lot-specific data validation reports.

Data analyzed using USAEC methods were flagged and qualified according to IRDMIS and the EPA CLP protocol based on the technical assessment of the evaluation criteria. IRDMIS flag codes and SAIC qualifiers were applied to indicate the usability of the data for intended purposes. For the overall purposes of this study, three additional qualifiers (i.e., +, S, and T) were used to assist in data assessment when the USAEC guidelines were not inclusive of all QC check deficiencies or conditions and the reviewer needed to use professional judgment in these limited cases. The following definitions provide explanations of the IRDMIS flags and SAIC qualifiers assigned to USAEC method analytical results in the data validation process:

- The "A" flag indicates that the analyte was found in the trip blank as well as the field sample.
- The "B" flag indicates that the analyte was found in the method or QC blank as well as the field sample.
- The "G" flag indicates that the analyte was found in the equipment rinsate blank as well as the field sample.
- The "+" qualifier indicates that the concentration detected in a sample is less than 5 to 10 times that detected in the associated blank and is considered to be blank contamination.
- The "S" qualifier indicates that the associated value is an estimated quantity because the method or project QC limits were not met. The data are considered usable.
- The "T" indicates that the analyte was found in the field blank as well as the environmental sample.

The following definitions provide explanations of the National Functional Guidelines data validation qualifiers assigned to EPA method analytical results in the data validation process:

- ***B***—The reported metal value was obtained from a reading that was less than the contract required detection limit (CRDL) but greater than the instrument detection limit

(IDL). These results are qualitatively acceptable and will be used in the risk assessment.

- *U*—The analyte was analyzed for, but was not detected above, the reported sample quantitation limit. These results are qualitatively acceptable and will be used in the risk assessment.

- *J*—The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample. These results are qualitatively acceptable, but estimates, and will be used in the risk assessment.

- *N*—The analysis indicates the presence of an analyte for which there is presumptive evidence to make a "tentative identification."

- *NJ*—The analysis indicates the presence of an analyte that has been "tentatively identified" and the associated numerical value represents its approximate concentration.

- *UJ*—The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample. These results are qualitatively acceptable, but estimates, and will be used in the risk assessment.

- *R*—The sample results were rejected due to serious deficiencies in the ability to analyze the sample and meet QC criteria. The presence or absence of the analyte cannot be verified. These results will not be used in the risk assessment.

All data validation flags and qualifiers applied by QST, DCL, and SAIC to the data (i.e., detected and nondetected values), as necessary, are discussed in Sections J-2 through J-4.

J.2 PHASE II RFI SAMPLING EVENT

The number of soil and water samples collected during the Phase II RFI sampling event, in addition to the number of field QC blanks (i.e., trip blanks and equipment rinsate blanks) and selected laboratory QC (i.e., matrix spike/matrix spike duplicates [MS/MSDs] and USAEC QC spike samples) samples analyzed, are presented in Table J-1. This section summarizes the lot-specific data validation reports for the Phase II RFI sampling event

J.2.1 Technical Holding Times

Based on an evaluation of all environmental samples and field QC blanks analyzed for all analyses using USAEC methods, all holding time criteria were met.

J.2.2 Instrument Performance Checks

VOCs and SVOCs were tuned in accordance with the methods listed in Section J.1. Based on an evaluation of the tuning solutions, all criteria were met.

J.2.3 Initial Calibration Results

Initial calibration requirements are described in the *USATHAMA PAM 11-41* QA program and the analytical methods used to analyze soil and water samples. Based on an evaluation of the initial calibration analyses conducted, all criteria were met.

J.2.4 Continuing Calibration Results

Continuing calibration requirements are described in the *USATHAMA PAM 11-41* QA program and the analytical methods used to analyze soil and water samples. Based on an evaluation of the continuing calibration analyses conducted, all criteria were met.

J.2.5 Surrogate Recovery Results

Surrogate compounds for VOCs, SVOCs, and PCBs were analyzed in accordance with the methods listed in Section J.1. Tables J-4 through J-7 summarize the surrogate recovery results

for the soil and water samples. Based on an evaluation of the recovery results, all criteria were met with the exceptions summarized below.

Volatile Organic Compound Analysis—A total of 52 surrogate percent recoveries (of 160 reviewed values) were outside the applicable control limits. Forty-two environmental samples had one or more VOC surrogates outside the lower control limits (LCLs) or upper control limits (UCLs). The frequency of these surrogates exceeding the LCL is 28 times for 1,2-dichloroethane-d4 (12DCD4), 18 times for toluene-d8 (MEC6D8), and 8 times for bromofluorobenzene (BFB). VOC data showed a great potential for false negatives or false positives, with 32.5 percent of all VOC surrogate results outside the control limits.

Semivolatile Organic Compound Analysis— Thirty-seven percent recoveries (of 372 reviewed values) were outside the applicable control limits. Twenty-six environmental samples had one or more SVOC surrogates outside the control limits. The frequency of surrogates outside the control limits is 6 times for 2-fluorophenol (2FP), 4 times for phenol-d5 (PHEND5), 2 times for nitrobenzene-d5 (NBD5), 2 times for 2-fluorobiphenyl (2FBP), 8 times for 2,4,6-tribromophenol (246TBP), and 14 times for terphenyl-d14 (TRPD14).

Two individual recoveries for surrogates spiked into standard matrix method blanks were slightly above the UCL, but they are not deemed to affect field data because all internal standards (ISs), instrument tuning data, and calibration data are acceptable. The magnitude of these individual points was attributed to normal variation in the distribution of recovery values for the method.

J.2.6 Method Blank Results

Method blanks were analyzed with each lot of samples in accordance with the methods listed in Section J.1. The method blank results for both soil and water were below the reporting limits with the exceptions listed below.

Volatile Organic Compound Analysis—Toluene was detected in two soil method blanks analyzed with lots YGAD and YGKD at a concentration greater than one-half the certified reporting limit (CRL). As a result, the IRDMIS flag code (i.e., "B") was applied to 5 toluene

concentrations detected in TP-33-006A, SB-11-013A, SB-11-019A, SB-11-20A, and SB-11-020B to indicate that the reported toluene concentration was 10 times less than that detected in the associated method blank. Therefore, these qualified results may be biased high due to method blank contamination and should be considered nondetect.

Semivolatile Organic Compound Analysis—Di-n-butyl phthalate (DNBP) and bis(2-ethylhexyl)phthalate (B2EHP) were detected in two method blanks analyzed with lots OEYC, OECD, WDCE, WDDE, and WDGD at concentrations greater than one-half the CRL. As a result, the IRDMIS flag code (i.e., "B") was applied to 8 B2EHP concentrations detected in SB-11-018 (SAICRB16), SB-11-020B (SAICRB17), SB-19-006B (SAIC03), S-3 (SAIC04), S-45-90 (SAIC03), S-46-90 (SAIC03), S-75-90 (SAIC03), and S-46-90 (SAICRB21) to indicate that the reported B2EHP concentrations were 10 times less than that detected in the associated method blank. Therefore, these qualified results may be biased high due to method blank contamination and should be considered nondetect.

Metals Analysis—Based on an evaluation of all soil method blanks analyzed by QST, common elements (i.e., aluminum, calcium, iron, magnesium, and potassium), and potential contaminants (i.e., barium and manganese) were noted at concentrations significantly different from the CRLs. The method reagent blank results for soil and groundwater were below the CRLs.

The IRDMIS flag code (i.e., "B") was applied to all elements detected in the USAEC QC spiked soil samples (i.e., SP1*THAMA*1, SP2*THAMA*1, and SP3*THAMA*1 from lot UBDD and SP1*THAMA*1, SP2*THAMA*1, and SP3*THAMA*1 from lot UBZC) at concentrations less than five times that detected in an associated soil method blank.

J.2.7 Matrix Spike/Matrix Spike Duplicate Results

MS/MSD analyses were conducted to assess the accuracy and precision of the analytical system and to evaluate the matrix effect of the sample upon the analytical methodology based upon the percent recovery of each compound. The control limits for percent recoveries and relative percent differences (RPDs) in soil and water samples were described in the methods

listed in Section J.1 and Section 5 of the DCQAP. Although the control limits are advisory, no formal validation action is recommended according to the guidelines based only on this parameter. No data validation qualifiers were applied based on the MS/MSD results.

Tables J-8 through J-19 summarize the MS/MSD results for soil and water samples. Recoveries and reproducibilities of the spiked compounds were within expected ranges with the exceptions listed below.

Semivolatile Organic Compound Analysis— Nine soil percent recovery values (of 22 reviewed values) were above the EPA CLP advisory control limits. Three water percent recovery values (of 22 reviewed values) and 1 water RPD value (of 11 reviewed values) were outside the QC limits.

Polychlorinated Biphenyl Analysis—Four soil percent recovery values (of eight reviewed values) were below the LCL. The standard matrix spike did not exhibit low recoveries and calibration check standards were within criteria; therefore, an extraction problem is suspected. All RPD values were within the control limits.

Chemical Agent Breakdown Products Analysis—Twelve soil percent recovery values (of 16 reviewed values) were outside the QC limits. Two isopropylmethyl phosphonic acid (IMPA) recoveries were low for one soil MS/MSD analyses. Poor IMPA recoveries are due to the concentration of the IMPA being approximately 30 times greater in the sample than the level at which it was spiked. The MS/MSD percent recovery values for methyl phosphonic acid (MPA) ranged from 44.7 to 1,414. Two MPA recoveries were below the LCL due to a large interfering nitrate peak, and the fact the MPA concentration in the sample was approximately five times that of the spike concentration. Two MPA recoveries were above the UCL due to the MPA concentration in the sample being approximately 15 times that of the spike concentration. Four chloroacetic acid (CL2A) and two fluoroacetic acid (FC2A) recoveries exhibited lower recoveries due to possible matrix interferences. No control limits were recommended for RPD values.

Metals Analysis—For soils, 12 inductively coupled plasma (ICP) percent recoveries (of 112 reviewed values), 1 arsenic percent recovery value (of 8 reviewed values), 4 selenium percent

recovery values (of 4 reviewed values), 4 mercury percent recovery values (of 12 reviewed values), and 3 ICP RPDs (of 56 reviewed values) were outside the QC limits.

All recovery values in MS/MSD analyses for groundwater samples were within the control limits, except 1 ICP percent recovery (of 28 reviewed values), 2 lead percent recovery values (of 4 reviewed values), and 1 mercury percent recovery value (of 4 reviewed values). All RPDs in water met the QC criteria.

J.2.8 USAEC QC Spike Sample Results

The USAEC QC spike sample monitors the overall accuracy and performance of all steps in the analysis, including preparation, and was prepared and analyzed in accordance with the methods listed in Section J.1. Recoveries of the USAEC QC spike sample compounds and analytes were within expected ranges with the exceptions listed below.

Polychlorinated Biphenyl Analysis—The USAEC QC control charts show that all analyses performed by gas chromatography (GC) had acceptable accuracy and precision with one exception. The range for the precision control chart (i.e., 3-day average range) for PCB1016 from lot NGOB was above the LCL. This exception is attributable to the fluctuations in the analytical sensitivity and is considered to have a minimal impact on the data usability.

Explosives Analysis—The USAEC QC control charts show that all analyses performed by these methods had acceptable accuracy and precision, except for lots NCHD, NCID, and THHE. For spiked QC samples in lots NCHD and NCID analyzed on October 26 and November 1, 1994, respectively, various 3-day and single-day control charts were out-of-control for nitrobenzene (NB), 2,4,6-trinitrotoluene (246TNT), 1,3,5-trinitrobenzene (135TNB), hexahydro-1,3,5-trinitro-s-triazine (RDX), and 2,4-dinitrotoluene (24DNT). The average recoveries for NB on the low spikes (81.5 and 80.5 percent) were below the LCL, and the average recovery for 24DNT on the low spike (99.8 percent) was above the UCL. The average recoveries for 246TNT (90.4 percent), 24DNT (86.5 percent), NB (75.3 percent) and RDX (75.2 percent) in the high spikes are below the LCL. For QC samples in lot THHE analyzed on October 18, 1994, the single-day X-bar control charts for 135TNB (96.5 percent), 24DNT (91.8 percent), and RDX (100.3 percent) were above the UCLs.

Standards, initial calibration, daily calibration, and check standards for lots NCHD, NCID, and THHE 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 these lots. All explosives were reported less than (LT) in field samples reported in lots NCHD, NCID, and THHE. The impact of out-of-control situations is expected to have a minimal impact on the data usability.

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

Chemical Agent Breakdown Products Analysis—The USAEC QC control charts show that all analyses performed by these methods had acceptable accuracy and precision, except for lot WFLD. Lot WFLD, analyzed on October 10, 1994 the MPA single-day X-bar control chart was above the UCL. The initial calibration check standard and daily calibration standard are acceptable, and all chemical agent breakdown products were reported LT in field samples reported on lot WFLD. Therefore, the impact of this out-of-control situation is expected to have a minimal impact on the data usability.

Seven individual high spike recoveries and one individual low spike recovery for FC2A, IMPA, MPA, and CLC2A spiked into QC samples were slightly above the UCL, but they are not deemed to affect the field data because all calibrations are acceptable. The magnitude of these points was attributed to normal variation in the distribution of recovery values for the method.

Thiodiglycol Analysis—The USAEC QC control charts show that all analyses performed by these methods had acceptable accuracy and precision, except for lots PHSC and PHUC. For QC samples in lots PHSC and PHUC, analyzed on October 10 and 26, 1994, the 3-day X-bar control charts for thiodiglycol (83.7 and 70.4 percent) were below the UCLs. Standards, daily calibrations, and check standards for lots PHSC and PHUC were within the control limits. Thiodiglycol was reported LT in field samples reported on lots PHSC and PHUC. The impact of out-of-control situations on data quality is believed to be negligible.

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

Metals Analysis—The USAEC QC control charts show that all analyses performed by inductively coupled argon plasma (ICAP), graphite furnace atomic absorption (GFAA), cold vapor, and colorimetric techniques had acceptable accuracy, except for lots UBDD, ZFKC, QBDC, SGVA, WCNC, and QHGC. Lot UBDD, analyzed on November 30, 1994 for metals by method SS16, had single-day X-bar percent recovery for beryllium (96.2 percent) slightly below the LCL. This out-of-control situation is expected to have a minimal impact on data usability; the field sample data may be quantitated slightly low. For the QC spike sample in lot ZFKC analyzed on October 25, 1994, the 3-day X-bar control chart was above the UCL for barium. The average percent recovery of the low spike was 112.8 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. Lot QBDC, analyzed on October 20, 1994 for arsenic by USAEC Method JD19, had a single-day X-bar control chart below the LCL. The average percent recovery for the high spike of arsenic was 91.7. For QC samples in lots WCNC and SGVA analyzed on October 20, 1994 by USAEC Methods SD20 and TF18, single-day X-bar control charts were slightly below the UCLs for lead and cyanide. The average recovery for lead was 101.8 percent and 92.5 percent for cyanide on the high spikes. The impact on environmental samples is believed to be negligible. For QC samples in lot QHGC analyzed on October 18, 1994 by USAEC Method JB01, the 3-day X-bar control chart for mercury (84.5 percent) was below the UCL. Standards, daily calibrations, and check standards for lot QHGC were within the control limits. 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 low.

A variety of individual low and high spike recoveries (i.e., USAEC Methods SS10, JS16, JD19, SD20, JB01, and TF18) 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.

J.2.9 Internal Standard Results

ISs were added to all calibration standards, environmental samples, and QC blanks associated with VOC and SVOC analysis. There are no control limits for the recovery of ISs for VOC Methods UM20 and LM19 or SVOC Methods UM18 and LM18; therefore, VOC and SVOC data were not evaluated against IS recoveries.

J.2.10 Target Compound Identification

The target organic compounds that were reported as detected concentrations satisfied all qualitative and quantitative identification criteria specified in the methods listed in Section J.1.

J.2.11 Certified Reporting Limits

All CRL criteria specified in the methods listed in Section J.1 were met.

J.2.12 System Performance

Based on instrument performance indicators, all analytical systems remained within parameters throughout the duration of all of the water and soil sample analyses with the exceptions summarized in Sections J.2.1 through J.2.11.

J.2.13 Field Quality Control Assessment

During the DCD Phase II RFI sampling program, QC samples were collected to gauge the impacts from various components of field activities. Twenty-three 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. Twenty trip blanks, 23 equipment rinsate blanks, and 25 field duplicates (i.e., 21 soil and 4 groundwater) 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 rinsate blanks 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. Table J-20 contains a cross reference of environmental samples to the associated field QC blank sample.

J.2.13.1 Trip Blanks

Chloroform was detected in one trip blank (i.e., S-75-90) at a concentration greater than the CRL. Methylene chloride, a common laboratory contaminant, was found in two trip blanks, with an average concentration of 3.14 µg/L. The presence of chloroform and methylene chloride is not considered to be representative of environmental conditions at DCD because these VOCs were not detected in the associated environmental samples. Table J-21 summarizes the compounds detected in the trip blanks collected during the Phase II RFI sampling event.

J.2.13.2 Equipment Rinsate Blanks

The following subsections summarize the compounds and elements detected in the equipment rinsate blanks and the impact of this interference on the environmental data quality. No PCBs, explosives, chemical agent breakdown products, or thiodiglycol were detected. Table J-22 summarizes the concentrations of the compounds and elements detected in the equipment rinsate blanks collected during the Phase II RFI sampling event.

Volatile Organic Compound Analysis—Contamination was limited to only three compounds: methylene chloride, chloroform, and carbon disulfide. Methylene chloride was detected in one equipment rinsate blank (i.e., SB-11-018B [SAICRB16]), 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. Carbon disulfide was detected in S-116-94 (SAICRB18) at 0.920 µg/L, but was not detected in the associated field samples, indicating its presence is not the result of improper decontamination procedures. No flag codes were applied because these VOCs were not detected in the associated environmental samples.

Chloroform was detected in S-114-94 (SAICRB20) at 1.1 µg/L. The flag code (i.e., "G") was applied to one chloroform concentration detected in S-114-94 to indicate that the reported

chloroform concentration was five times less than that detected in the associated equipment rinsate blank. Therefore, these qualified results may be biased high due to equipment rinsate blank contamination and should be considered nondetect.

Semivolatile Organic Compound Analysis—B2EHP, a common laboratory contaminant, was detected in five equipment rinsate blanks (i.e., S-46-90 [SAICRB21], SB-11-018B [SAICRB16], SB-11-020B [SAICRB17], S-113-94 [SAICRB19], and S-114-94 [SAICRB20]), with an average concentration of 28.54 µg/L. The flag code (i.e., "G") was applied to five B2EHP concentrations detected in S-3, S-46-90, SB-11-001A, SB-11-007A, and S-113-94 to indicate that the reported B2EHP concentrations were 10 times less than that detected in the associated equipment rinsate blank. Therefore, these qualified results may be biased high due to equipment rinsate blank contamination and should be considered nondetect.

Metals and Cyanide Analysis—Detected metals were limited to common elements, such as aluminum, barium, chromium, calcium, potassium, magnesium, manganese, and sodium. These metals were detected in only one equipment rinsate blanks (i.e., SB-37-005A [SAICRB05]). Iron was detected in three equipment rinsate blanks, with a maximum concentration of 4,980 µg/L and a minimum concentration of 50.3 µg/L. Copper was detected in one equipment rinsate blank at 28.5 µg/L. Mercury was detected in one equipment rinsate at 2.09 µg/L compared to a CRL of 0.243 µg/L. Mercury is not usually expected in equipment rinsate blanks and the source of this metal is considered site-related because mercury also was detected in the associated environmental samples. The IRDMIS flag code (i.e., "G") was applied to 19 mercury concentrations detected in soil samples collected from SWMU 33 and to 2 aluminum and 8 calcium, chromium, potassium, magnesium, and sodium concentrations for soil samples collected from SWMU 37. The flagged results indicate that the reported metals concentrations were 10 times less than that detected in the associated equipment rinsate blank. Therefore, these qualified results may be biased high due to equipment rinsate blank contamination and should be considered nondetect.

J.2.13.3 Field Duplicates

Duplicate sample pairs were collected to ascertain the contribution of variability (i.e., precision) due to environmental media and sampling precision technique. The RPD between field duplicate analysis results traditionally has been used to evaluate precision of sampling techniques. Data have not been qualified based on the results of field duplicates because the User's Guide, IRDMIS, and CLP *National Functional Guidelines for Organic and Inorganic Data Review* (February 1994) do not include control limits for RPD values.

J.3 PHASE IIA RFI SAMPLING EVENT

The number of soil and water samples collected during the Phase IIA RFI sampling event, in addition to the number of field QC blanks (i.e., trip blanks, field blanks, and equipment rinsate blanks) and selected laboratory QC (i.e., MS/MSDs, laboratory control samples [LCSs] and laboratory duplicates) samples analyzed, are presented in Table J-2. This section summarizes the lot-specific data validation reports for the Phase IIA RFI sampling event. All data validation flags and qualifiers applied by SAIC to all Phase IIA RFI data, as necessary, are contained in Table J-23.

J.3.1 Holding Times

Based on an evaluation of all environmental samples and field QC blanks analyzed for all analyses using USAEC and EPA methods, all holding time criteria were met, with the exception summarized below.

Thiodiglycol Analysis—Extraction holding times were exceeded by 1 day for two soil samples (i.e., SB-33A-14 [SAIC01] and SB-33A-14 [SAIC01D]) in lot BMVP. This is considered to have a minimal impact on data quality, and as a result, no flag codes or data validation qualifiers were applied.

J.3.2 Instrument Performance Checks

VOCs, SVOCs, and inductively coupled plasma/mass spectrometer (ICP/MS) metals were tuned in accordance with the methods listed in Section J.1. Based on an evaluation of the tuning solutions, all criteria were met with the exception summarized below.

Semivolatile Organic Compound Analysis—The analysis of the instrument performance check, decafluorotriphenylphosphine (DFTPP) was not performed at the required frequency in two instances. This is considered to have a minimal impact on data quality because all other instrument performance criteria (i.e., relative abundance, mass assignment, and chromatographic profile) were met. As a result, no flag codes or data validation qualifiers were applied.

J.3.3 Initial Calibration Results

Initial calibration requirements are described in the *USATHAMA PAM 11-41* QA program and the analytical methods used to analyze soil and water samples. Based on an evaluation of the initial calibration analyses conducted, all criteria were met.

J.3.4 Continuing Calibration Standard Results

Continuing calibration requirements are described in the *USATHAMA PAM 11-41* QA program and the analytical methods used to analyze soil and water samples. Based on an evaluation of the continuing calibrations conducted for all analyses, all criteria were met.

J.3.5 Surrogate Recovery Results

Surrogate compounds for VOCs, SVOCs, PCBs, and explosives were analyzed in accordance with the methods listed in Section J.1. Tables J-24 through J-28 summarize the surrogate recovery results for the soil and water samples. Based on an evaluation of the surrogate recovery results, all criteria were met with the exception summarized below.

Volatile Organic Compound Analysis—All surrogate recoveries were within the control limits, except for MEC6D8 in SB-113-94 (SAICRB01) and 12DCD4 in SB-113-94 MS (SAICRB01). No flag codes were applied because the recoveries were slightly outside method limits and all were within CLP limits.

J.3.6 Method Blank Results

Method blanks were analyzed with each lot of samples in accordance with the methods listed in Section J.1. The method blank results for both soil and water were below the reporting limits with the exceptions listed below and in Table J-23.

Volatile Organic Compound Analysis—Methyl ethyl ketone (MEK) was detected in the water method blank analyzed with lot XDOV. This VOC was not noted in any field sample associated with this lot, and, as a result, no flag code was applied.

Semivolatile Organic Compound Analysis—Based on an evaluation of the water method blanks analyzed for SVOCs, no compounds were detected at concentrations and frequencies that might bias the analytical results, except B2EHP and DNBP. These SVOCs were detected in one method blank analyzed with water lot WDKO at concentrations below the reporting limits and above the method detection limits (MDLs). As a result, the flag code "B+" was applied to 15 B2EHP and 1 DNBP concentration detected in water samples to indicate that the reported B2EHP and DNBP concentrations were 10 times less than that detected in the associated method blank. Therefore, these qualified results may be biased high due to method blank contamination and should be considered nondetect.

Explosives Analysis—TETRYL was detected in one water method blank. The IRDMIS flag code "B+" was applied to three TETRYL water samples to indicate that the reported TETRYL concentration was five times less than that detected in the associated method blank. Therefore, these qualified results may be biased high due to method blank contamination and should be considered nondetect.

Metals Analysis—Copper was detected above the limit of quantitation (LOQ) in one soil method blank. As a result, the data validation qualifier "U" was applied to two results that were less than five times the concentration detected in the associated method blank. Therefore, these qualified results may be biased high due to method blank contamination and should be considered nondetect.

Aluminum was detected above the reporting limit in one water method blank. The IRDMIS flag code "B+" has been added to five aluminum concentrations detected in the associated water field samples to indicate that aluminum also was detected in the associated method blank. Therefore, these qualified results may be biased high due to method blank contamination and should be considered nondetect.

J.3.7 Interference Check Sample Results

Interference check sample (ICS) criteria requirements are described in the methods listed in Section J.1. Based on an evaluation of the ICS results, all criteria were met.

J.3.8 Matrix Spike/Matrix Spike Duplicate Results

MS/MSD analyses were conducted to assess the accuracy and precision of the analytical system and to evaluate the matrix effect of the sample upon the analytical methodology based upon the percent recovery of each compound. The control limits for percent recoveries and RPDs in soil and water samples are described in the methods listed in Section J.1 and Section 5 of the DCQAP Addendum I. Although the control limits are advisory, no formal validation action is recommended according to the guidelines based only on this parameter.

Tables J-29 through J-35 summarize the MS/MSD results for soil and water samples. Recoveries and reproducibilities of the spiked compounds were within expected ranges with the exceptions listed below and in Table J-23.

Volatile Organic Compound Analysis—Two RPD water values (of 10 reviewed values) were outside the QC limits for analytical precision. All other QC criteria were met. No action is recommended based on MS/MSD data alone because this is considered to have little impact on the environmental data quality when all other required analytical QC criteria (i.e., surrogate recoveries, and USAEC QC spike samples) were met.

Semivolatile Organic Compound Analysis—Three water percent recoveries (of 44 reviewed values) were outside the control limits. All other QC criteria were met. No action is recommended based on MS/MSD data alone because this is considered to have little impact on the environmental data quality when all other required analytical QC criteria (i.e., surrogate recoveries) were met.

Polychlorinated Biphenyl Analysis—Two water percent recovery values (of eight reviewed values) were outside the control limits. No data validation qualifiers were applied based on the MS/MSD results because all other required analytical QC criteria were met.

Organic Acids and Thiodiglycol Analysis—Five soil percent recovery values (of 10 reviewed values) were outside the control limits. All other QC criteria were met. No action is

recommended based on MS/MSD data alone because this is considered to have little impact on the environmental data quality when all other required analytical QC criteria were met.

Metals Analysis—Four percent recovery values (of 38 reviewed values) in soil MS samples were outside the QC limits. The frequency of MS sample recoveries outside the QC limits is: three times for antimony and one time for barium. Antimony results associated with MS recoveries outside the QC limits were qualified as estimated "J" or "UJ." Thirty-four antimony reporting limits were rejected "R" due to low spike recoveries. One MS recovery for selenium was outside the QC limit. Six selenium results in water samples associated with an MS outside the QC limits were qualified as estimated "J."

Two soil RPDs for antimony and nickel were above the control limit for analytical precision. Twenty antimony and nickel soil data points were qualified as estimated "J" due to RPD results.

J.3.9 Laboratory Control Sample Results

The LCS monitors the overall accuracy and performance of all steps in the analysis, including preparation, and was prepared and analyzed in accordance with the methods listed in Section J.1. Recoveries of the LCS compounds and analytes were within expected ranges with the exception listed below and in Table J-23.

Cyanide Analysis—Cyanide did not meet the required criteria in the LCS analyzed with lot SGVE. Cyanide results in water samples associated with this LCS recovery were qualified as estimated "S."

J.3.10 Internal Standard Results

ISs were added to all calibration standards, environmental samples, and QC blanks in accordance with the methods listed in Section J.1 for VOC, SVOC, and ICP/MS analysis. All IS performance QC criteria were met.

J.3.11 Serial Dilution Results

The frequency and difference specified in the methods listed in Section J.1 and Section 6 of the DCQAP were met for all serial dilution analyses with the exceptions listed below and in Table J-23. Twenty-seven zinc and seven beryllium, iron, and manganese soil results were qualified as estimated "J" due to ICP serial dilution results.

J.3.12 Target Compound Identification

The target organic compounds that were reported as detected concentrations satisfied all qualitative and quantitative identification criteria specified in the methods listed in Section J.1, with the exception summarized below.

In some cases, the reported compound concentration was within ±1.1 percent of that which was obtained after recalculation. The difference in reporting was due to rounding rules applied during reporting of the results involved in calculating that compound (e.g., relative retention factor [RRFs], percent solids, volumes, and weight). This is considered to have little impact, and as such, no data validation qualifiers or flags were applied.

J.3.13 Reporting Limits

All reporting limits criteria specified in the methods listed in Section J.1 were met.

J.3.14 System Performance

Based on instrument performance indicators, all analytical systems remained within parameters throughout the duration of all of the water and soil sample analyses with the exceptions summarized in Sections J.3.1 through J.3.13.

J.3.15 Field Quality Control Assessment

During all activities conducted as part of the Phase IIA RFI sampling program, field QC samples were collected to gauge the impacts from various components of field activities. Seventeen percent of the samples collected during the program were QC samples obtained to

determine the degree of cross-contamination, resulting from poor decontamination procedures, or the effects of media heterogeneity on results. Four trip blanks, 11 equipment rinsate blanks, 3 field blanks, and 26 field duplicates (i.e., 24 soil and 2 water) were collected and analyzed for the same compounds and using the same laboratory techniques as those used for the environmental samples. Trip blanks, equipment rinsate blanks, and field blanks provide a measure of various cross-contamination, decontamination efficiency, and any other potential error that can be introduced from sources other than the sample.

J.3.15.1 Trip Blanks

Four trip blanks were collected and analyzed for VOCs. No VOCs were detected above the reporting limits.

J.3.15.2 Field Blanks

The compounds and elements detected in the field blanks and the impact of this interference on environmental data quality are summarized below. No VOCs, PCBs, or organic acids, or metals were detected in the field blanks. Table J-23 summarizes the data validation flag and qualifiers applied to data due to field blank contamination. Table J-36 summarizes the concentrations detected in the field blanks collected during the Phase IIA RFI.

Semivolatile Organic Compound Analysis—B2EHP was the only SVOC detected in the field blanks. B2EHP is a common field and laboratory contaminant and its presence is not considered to be representative of environmental conditions at DCD. The qualifier "T+" was applied to 10 B2EHP concentrations detected in water samples that were less than 10 times the concentration detected in the associated field blank. Therefore, these qualified results may be biased high due to field blank contamination and should be considered nondetect.

Explosives Analysis—Nitroglycerin was detected in one field blank. The qualifier "T+" was applied to three nitroglycerin concentrations detected in water samples that were less than five times the concentration detected in the associated field blank. Therefore, these qualified results may be biased high due to field blank contamination and should be considered nondetect.

J.3.15.3 Equipment Rinsate Blanks

The compounds and elements detected in the equipment rinsate blanks and the impact of this interference on environmental data quality are summarized below. No VOCs, PCBs, organic acids were detected in the equipment rinsate blanks. Table J-23 summarizes the data validation flag and qualifiers applied to data due to equipment rinsate blank contamination and Table J-37 summarizes the concentrations detected in the equipment rinsate blank samples collected during the Phase IIA RFI.

Semivolatile Organic Compound Analysis—Dimethylphthalate (DMP) and B2EHP were the only SVOCs detected in the equipment rinsate blanks. DMP and B2EHP are common field and laboratory contaminants, and their presence is not considered to be representative of environmental conditions at DCD. The flag code "G+" was applied to 9 DMP and B2EHP concentrations detected in water samples that were less than 10 times the concentration detected in the associated equipment rinsate blank. Therefore, these qualified results may be biased high due to equipment contamination and should be considered nondetect.

Explosives Analysis—Pentaerythritol tetranitrate (PETN) was detected in one equipment rinsate blank. The flag code "G+" was applied to three PETN concentrations to indicate that this compound was detected at a concentration less than five times that detected in the associated equipment rinsate blank. Therefore, these qualified results may be biased high due to equipment rinsate contamination and should be considered nondetect blank contamination.

Metals Analysis—Sodium and mercury were detected in one equipment rinsate blank at a concentration above the LOQ. As a result, 30 sodium concentrations in soil samples were considered nondetected "U" to indicate that sodium was detected at a concentration less than 5 times than that detected in the associated equipment rinsate blank. One mercury concentration was qualified "U" due to equipment rinsate blank contamination. Therefore, these qualified results may be biased high due to equipment rinsate contamination and should be considered nondetect.

J.3.15.4 Field Duplicates

Duplicate sample pairs were collected to ascertain the contribution of variability (i.e., precision) due to environmental media and sampling precision technique. The RPD between field duplicate analysis results traditionally has been used to evaluate precision of sampling techniques. Data have not been qualified based on the results of field duplicates because the User's Guide, IRDMIS, and CLP *National Functional Guidelines for Organic and Inorganic Data Review* (February 1994) do not include control limits for RPD values.

J.4 PHASE IIB RFI SAMPLING EVENT

Table J-3 presents the number of soil and water samples, in addition to the number of field QC blanks (i.e., trip blanks, field blanks, and equipment rinsate blanks) and selected laboratory QC (i.e., MS/MSDs, LCSs, and laboratory duplicates) collected during the Phase IIB RFI sampling event. This section summarizes the lot-specific data validation reports for the Phase IIB sampling event. All data validation flags and qualifiers applied by SAIC to all Phase IIB RFI data, as necessary, are contained in Table J-38.

J.4.1 Holding Times

Based on an evaluation of all environmental samples and field QC blanks, all technical holding time criteria were met.

J.4.2 Instrument Performance Checks

VOCs and SVOCs were tuned in accordance with the methods listed in Section J.1. Based on an evaluation of the tuning solutions, all criteria were met.

J.4.3 Initial Calibration Results

Initial calibration of each instrument used to analyze the samples collected during the Phase IIB RFI was conducted in accordance with the methods listed in Section J.1. Based on an evaluation of the initial calibration analyses conducted, all criteria were met with the exception summarized below and in Table J-38.

Semivolatile Organic Compound Analysis—2,4-Dinitrophenol in the initial calibration analyzed with soil lot BSBF had a percent relative standard deviation (%RSD) that exceeded the QC limit. Therefore, 2,4-dinitrophenol in the associated samples was qualified as estimated "UJ." Positive results were not detected.

J.4.4 Continuing Calibration Check Results

Continuing calibration of each instrument used to analyze the samples collected during the Phase IIB RFI was conducted in accordance with the methods listed in Section J.1. Based on an evaluation of the continuing calibrations conducted for all analyses, all criteria were met with the exceptions summarized below and in Table J-38.

Volatile Organic Compound Analysis—One water lot and one soil lot did not meet the technical acceptance criteria for percent difference (%D). Vinyl acetate analyzed in water lot BSRM and acetone, MEK, 4-methyl-2-pentanone, and 2-hexanone analyzed in soil lot BSRQ exceed the QC limit. Nondetected results for these compounds in water and soil samples analyzed with anomalous continuing calibrations are qualified as estimated "UJ." Positive results were not detected.

J.4.5 Surrogate Recovery Results

Surrogate compounds for VOCs and SVOCs were analyzed in accordance with the methods listed in Section J.1. Tables J-39 through J-42 summarize the surrogate recovery results for the soil and water samples. Based on an evaluation of the surrogate recovery results, all criteria were met with the exceptions summarized below and in Table J-38.

Volatile Organic Compound Analysis—All VOC surrogate recoveries for soil and water samples were within the QC limits with the exception of four water percent recoveries for MEC6D8 and one water percent recovery for 12DCD4. As a result, associated data were qualified as estimated "UJ" or "J."

J.4.6 Method Blank Results

Method blanks were analyzed with each lot of samples in accordance with the methods listed in Section J.1. The method blank results for both soil and water results were below the reporting limits with the exceptions listed below and in Table J-38.

Volatile Organic Compound Analysis—Toluene was detected in two soil method blanks analyzed with lots BSRQ and BSQP. This VOC was detected in the method blanks at concentrations below the CRDL. The data validation qualifier "U" was applied to 16 toluene soil concentrations that were less than 10 times the concentration detected in the associated method blank. Therefore, these qualified results may be biased high due to method blank contamination and should be considered nondetect.

J.4.7 Interference Check Sample Results

ICS criteria requirements are described in the methods listed in Section J.1. Based on an evaluation of the ICS results, all criteria were met.

J.4.8 Matrix Spike/Matrix Spike Duplicate Results

MS/MSD analyses were conducted to assess the accuracy and precision of the analytical system and to evaluate the matrix effect of the sample upon the analytical methodology based upon the percent recovery of each compound. The control limits for percent recoveries and RPDs in soil samples were described in the methods listed in Section J.1 and Section 5 of the DCQAP Addendum I. Although the control limits are advisory, no formal validation action is recommended according to the guidelines based only on this parameter.

Tables J-43 through J-45 summarize the MS/MSD results for soil samples. Recoveries and reproducibilities of the spiked compounds were within expected ranges with the exceptions listed below and in Table J-38.

Semivolatile Organic Compound Analysis—Eight soil percent recoveries (of 44 reviewed values) and 1 soil RPD value (of 22 reviewed) were above the QC limits. No action is recommended based on MS/MSD data alone because this is considered to have little impact on the environmental data quality when all other required analytical QC criteria (i.e., surrogate recoveries and LCS) were met.

Metals Analysis—Seven percent recoveries (of 44 reviewed values) in soil MS samples were outside the QC limits. The frequency of MS sample recoveries outside the QC limits is:

three times for antimony and one time for nickel, silver, arsenic, and thallium. As a result, 18 antimony, nickel, silver, arsenic, and thallium results associated with MS recoveries outside the QC limits were qualified as estimated "J" or "UJ." Thirty-three antimony nondetected values were rejected "R" due to low spike recoveries.

J.4.9 Laboratory Duplicate Results

Metals Analysis—Six soil RPDs for barium, calcium, copper, iron, nickel, and sodium were above the control limit for analytical precision. As a result, 18 barium, calcium, copper, iron, nickel, and sodium soil data points were qualified as estimated "J" due to RPD results.

J.4.10 Laboratory Control Sample Results

The LCS monitors the overall accuracy and performance of all steps in the analysis, including preparation, and was prepared and analyzed in accordance with the methods listed in Section J.1. Recoveries of the LCS compounds and analytes were within expected ranges. Tables J-46 and J-47 summarize the LCS results for soil samples.

J.4.11 Internal Standard Results

ISs were added to all calibration standards, environmental samples, and QC blanks in accordance with the methods listed in Section J.1 for VOC and SVOC analysis. All IS performance QC criteria were met.

J.4.12 Serial Dilution Results

The frequency and difference specified in the method listed in Section J.1 was met for all serial dilution analyses with the exceptions listed below and in Table J-38. Fifty-two lead and 18 magnesium soil results were qualified as estimated "J" due to serial dilution results.

J.4.13 Target Compound Identification

The target organic compounds that were reported as detected concentrations satisfied all qualitative and quantitative identification criteria specified in the methods listed in Section J.1, with the exception summarized below.

In some cases, the reported compound concentration was within ±1.1 percent of that which was obtained after recalculation. The difference in reporting was due to rounding rules applied during reporting of the results involved in calculating that compound (e.g., RRFs, percent solids, volumes, and weight). This is considered to have little impact, and as such, no data validation qualifiers were applied.

J.4.14 Reporting Limits

All reporting limits criteria specified in the methods listed in Section J.1 were met.

J.4.15 System Performance

Based on instrument performance indicators, all analytical systems remained within parameters throughout the duration of all of the water and soil sample analyses with the exceptions summarized in Sections J.4.1 through J.4.14.

J.4.16 Field Quality Control Assessment

During all activities conducted as part of the Phase IIB RFI, field QC samples were collected to gauge the impacts from various components of field activities. Two trip blanks, two equipment rinsate blanks, two field blanks, and eight field duplicates were collected and analyzed for the same compounds and using the same laboratory techniques as those used for the environmental samples. Trip blanks, equipment rinsate blanks, and field blanks provide a measure of various cross-contamination, decontamination efficiency, and any other potential error that can be introduced from sources other than the sample.

J.4.16.1 Trip Blanks

Two trip blanks were collected and analyzed for VOCs. Methylene chloride was detected in the trip blanks at concentrations less than the CRDL. Five methylene chloride soil results were qualified as "U." As a result, methylene chloride data points qualified as "U" may be biased high due to trip blank contamination and should be treated as nondetects. Table J-38 summarizes the data validation qualifiers applied to data due to trip blank contamination

J.4.16.2 Equipment Rinsate Blanks

The compounds and elements detected in the equipment rinsate blanks and the impact of this interference on environmental data quality are summarized below. No SVOCs were detected in the equipment rinsate blanks.

Volatile Organic Compound Analysis—Chloroform was the only VOC detected in the equipment rinsate blanks at a concentration below the CRDL. No data validation was applied because chloroform was not detected in the associated soil samples.

Metals Analysis—Calcium was detected in one equipment rinsate blank at a concentration above the LOQ. No data validation was applied because calcium was not detected in the associated soil samples.

J.4.16.3 Field Blanks

The compounds and elements detected in the field blanks and the impact of this interference on environmental data quality are summarized below. No SVOCs or metals were detected in the field blanks.

Volatile Organic Compound Analysis—Chloroform was the only VOC detected in the field blanks at a concentration below the CRDL. No data validation was applied because chloroform was not detected in the associated soil samples.

J.4.16.4 Field Duplicates

Duplicate sample pairs were collected to ascertain the contribution of variability (i.e., precision) due to environmental media and sampling precision technique. The RPD between field duplicate analysis results traditionally has been used to evaluate precision of sampling techniques. Data have not been qualified based on the results of field duplicates because the USAEC ER1110-1-263 and CLP *National Functional Guidelines for Evaluating Organic and Inorganic Data Review* do not include control limits for RPD values.

Table J-1a. Analytical Methods and Total Number of Soil and Sediment Samples Collected Phase II RFI, Deseret Chemical Depot, Tooele, Utah

PARAMETERS	ANALYTICAL DETECTION METHOD	ANALYTICAL DETECTION LIMIT	SOIL SAMPLES	FIELD DUPLICATES	TRIP BLANKS	EQUIPMENT RINSE BLANKS	MS/MSD	TOTAL NUMBER OF ANALYSES
Volatile Organic Compound	LM19	a	96	9	b	c	5	110
Semivolatile Organic Compound	LM18	a	109	13	b	c	7	129
Polychlorinated Biphenyls	LH16	a	109	13	b	c	7	129
Agent Breakdown Products Thidiglycol MPA	 LW18 LT03	a	228	28	b	c	10	266
Explosives	LW12	a	60	6	b	c	3	69
Total Metals: Zinc Arsenic Lead Mercury Selenium	 JS16 JD19 JD17 JB01 JD15	a	621	73	b	c	29	723
Cyanide	KY01	a	146	17	b	c	7	170

a-Certified reporting limits (CRLs) are matrix specific . All CRLs are listed on the summary data tables.

b, c - Analyzed with water samples in Table F-1b.

Table J-1b. Analytical Methods and Total Number of Groundwater Samples Collected
Phase II RFI, Deseret Chemical Depot, Tooele, Utah

PARAMETERS	ANALYTICAL DETECTION METHOD	ANALYTICAL DETECTION LIMIT	WATER SAMPLES	FIELD DUPLICATES	TRIP BLANKS	EQUIPMENT RINSE FIELD BLANKS	MS/MSD	TOTAL NUMBER OF ANALYSES
Volatile Organic Compound	UM20	a	19	3	20	17	8	67
Semivolatile Organic Compound	UM18	a	19	3	0	21	8	51
Polychlorinated Biphenyls	UH02	a	19	3	0	21	8	51
Explosives	UW32	b	0	0	0	3	0	3
Agent Breakdown Products		0	22	6	0	30	8	66
Thidiglycol	UW22							
MPA	UT03							
Total Metals:		a	55	15	0	85	20	175
ICP Metals	SS10							
Arsenic	SD22							
Lead	SD20							
Mercury	SB01							
Selenium	SD21							
Cyanide	TF18	a	11	3	0	15	4	33

a-Certified reporting limits (CRLs) are matrix specific . All CRLs are listed on the summary data tables.

Table J-2a. Analytical Methods and Total Number of Soil Samples Collected Phase IIA RFI, Deseret Chemical Depot, Tooele, Utah

PARAMETERS	ANALYTICAL DETECTION METHOD	ANALYTICAL DETECTION LIMIT	SOIL SAMPLES	FIELD DUPLICATES	EQUIPMENT RINSE BLANKS	MS/MSD	TOTAL NUMBER OF ANALYSES
Agent Breakdown Products	LL09	a	98	19	5	5	127
Agent Breakdown Products	LT04	a	98	19	5	5	127
Explosives	SW8330	b	38	5	3	2	48
Metals	SW6010	b	136	19	6	7	168
Mercury	SW7471	b	168	24	3	9	204
Cyanide	SW9012	b	98	14	4	5	121

a-Certified reporting limits (CRLs) are matrix specific . All CRLs are listed on the summary data tables.

b-Method detection limits (MDLs) are matrix and sample specific. All MDLs are listed on the summary data tables.

Table J-2b. Analytical Methods and Total Number of Groundwater Samples Collected
Phase IIA RFI, Deseret Chemical Depot, Tooele, Utah

PARAMETERS	ANALYTICAL DETECTION METHOD	ANALYTICAL DETECTION LIMIT	WATER SAMPLES	FIELD DUPLICATES	TRIP BLANKS	EQUIPMENT RINSE FIELD BLANKS	MS/MSD	TOTAL NUMBER OF ANALYSES
Volatile Organic Compounds	UM20	a	10	1	4	5	2	22
Semivolatile Organic Compounds	UM18	a	10	1	0	5	2	18
Polychlorinated Biphenyls	UH02	a	10	1	0	5	2	18
Explosives including PETN and nitroglycerin	UW19/UW32/SW8468330	b	13	2	0	9	1	25
Agent Breakdown Products	UT03/UT04/UW22	a	13	1	0	8	3	25
Total metals (ICP)	6010/SS18	b	6	1	0	4	1	12
ICP/MS	S303	b	5	1	0	4	1	11
Mercury	7470A	b	1	0	0	1	0	2
Cyanide	TF18	a	1	0	0	1	0	2
Alkalinity	EPA310.1	b	5	1	0	4	0	10
Specific Conductance	EPA120.1	b	5	1	0	4	0	10
Hardness	EPA130.2	b	5	1	0	4	0	10
Sulfate/Chloride	TT10	a	6	1	0	4	0	11
Total Phosphate	TF27	a	6	1	0	4	0	11
Nitrate/Nitrite	TF22	a	6	1	0	4	0	11
TOC	EPA415.1	b	6	1	0	4	0	11
BOD	EPA405.1	b	6	1	0	4	0	11
COD	EPA410.1	b	6	1	0	4	0	11
TDS	EPA160.1	b	5	1	0	4	0	10
pH	9040	b	5	1	0	4	0	10

a-Certified reporting limits (CRLs) are matrix specific . All CRLs are listed on the summary data tables.
b-Method detection limits (MDLs) are matrix and sample specific. All MDLs are listed on the summary data tables.

Table J-3 Analytical Methods and Total Number of Soil and Field QC Blank Samples Collected
Phase II B RFI, Deseret Chemical Depot, Tooele, Utah

Parameters	Analytical Detection Method	Analytical Detection Limit	Soil Samples	Field Duplicates	Trip Blanks	Equipment Rinse Blanks	Field Blanks	MS/MSDs	Total Number of Analyses
Volatile Organic Compounds	SW846 8260B	a	31	3	2	2	2	3	43
Semivolatile Organic Compounds	SW846 8270C	a	31	3	0	2	2	3	41
Metals	SW846 6010B SW846 7471	a	47	5	0	2	2	3	59

a - Reporting limits (RLs) are matrix and sample specific. All detection limits are listed on the summaries data tables.

Table J-4. Volatile Organic Compound Analysis Surrogate Recovery QC Summary: Soil Phase II RFI, Deseret Chemical Deport, Tooele, Utah

VOC Surrogates	Total Number Analyses*	Percent Recovery Range	Average Percent Recovery Control Limits**	Number Within Control Limits	Number Outside Control Limits
d4-1,2-Dichloroethane	43	87.0-114.2	93-108	21	22
d8-Toluene	43	94.6-113.6	93-108	33	13
4-Bromofluorobenzene	43	86.1-102.2	93-107	40	3
* Soil/Sediment, Environmental Samples , MS/MSD Samples,and Method Blanks					
** Lower Control Limit= Aritmetic mean of Lower Control Limit (LCL) determined for QC spike samples for lots: YGAD,					
YGKD, and YGYC.					
(rounded to the neareast whole number)					
** Upper Control Limit= Aritmetic mean of Upper Control Limit (LCL) determined for QC spike samples for lots: YGAD,					
YGKD, and YGYC.					
(rounded to the neareast whole number)					

Table J-5. Volatile Organic Compound Analysis Surrogate Recovery QC Summary: Water
Phase II RFI, Deseret Chemical Deport, Tooele, Utah

VOC Surrogates	Total Number Analyses*	Percent Recovery Range	Average Percent Recovery Control Limits**	Number Within Control Limits	Number Outside Control Limits
d4-1,2-Dichloroethane	23	94.8-104.5	92-101	17	6
d8-Toluene	23	90.1-102	95-107	18	5
4-Bromofluorobenzene	23	88.6-101.9	91-107	18	5
* Water Environmental Samples, MS/MSD Samples, Method Blanks, Equipment Rinsates, and Trip Blanks					
** Lower Control Limit= Aritmetic mean of Lower Control Limit (LCL) determined for QC spike samples for lots: XDAF					
and XDWE (rounded to the neareast whole number)					
Upper Control Limit= Aritmetic mean of Upper Control Limit (UCL) determined for QC spike samples for lots: XDAF					
and XDWE (rounded to the neareast whole number).					

Table J-6. Semivolatile Organic Compound Analysis Surrogate Recovery QC Summary: Soil
Phase II RFI, Deseret Chemical Deport, Tooele, Utah

SVOC Surrogates	Total Number Analyses*	Percent Recovery Range	Average Percent Recovery Control Limits**	Number Within Control Limits	Number Outside Control Limits
2-Fluorophenol	55	13.5-103.3	67-101	50	5
Phenol-d5	55	18.6-97.5	66-96	51	4
Nitrobenzene-d5	55	66.4-88	61-92	55	0
2-Fluorobiphenyl	55	62.8-100.6	67-97	54	1
2,4,6-Tribromophenol	55	21.1-110.2	63-100	49	6
Terphenyl-d14	55	55.9-114.1	65-105	30	15

* Soil Environmental Samples, MS/MSD Samples and Method Blanks

** Lower Control Limit= Aritmetic mean of Lower Control Limit (LCL) determined for QC spike samples for lots: OEBD, OEYC, and OEAD (rounded to the neareast whole number)

Upper Control Limit= Aritmetic mean of Upper Control Limit (UCL) determined for QC spike samples for lots: OEBD, OEYC, and OEAD (rounded to the neareast whole number)

Table J-7. Semivolatile Organic Compound Analysis Surrogate Recovery QC Summary: Water Phase II RFI, Deseret Chemical Deport, Tooele, Utah

SVOC Surrogates	Total Number Analyses*	Percent Recovery Range	Average Percent Recovery Control Limits**	Number Within Control Limits	Number Outside Control Limits
2-Fluorophenol	12	10.7-86.2	50-93	9	3
Phenol-d5	12	0.1-77	34-57	11	1
Nitrobenzene-d5	12	25-73.9	51-88	9	3
2-Fluorobiphenyl	12	28.8-71.9	52-84	10	2
2,4,6-Tribromophenol	12	46.9-105.2	54-105	10	2
Terphenyl-d14	12	62.5-110.8	65-108	11	1

*Water Environmental Samples, MS/MSD Samples, Method Blank, and Equipment Blanks.

** Lower Control Limit= Aritmetic mean of Lower Control Limit (LCL) determined for QC spike samples for lots: WDFD and WDGD (rounded to the neareast whole number)

Upper Control Limit= Aritmetic mean of Upper Control Limit (UCL) determined for QC spike samples for lots: WDFD and WDGD (rounded to the neareast whole number)

Table J-8. Volatile Organic Compound MS/MSD QC Summary: Soil
Phase II RFI, Deseret Chemical Depot, Tooele, Utah

ACCURACY						PRECISION				
VOC MS/MSD Compounds	MS/MSD Calculated Recoveries	Percent Recovery Range	Percent Recovery Control Limits	Number Within Control Limits	Number Outside Control Limits	MS/MSD Calculated RPD	RPD Range	RPD Limit	Number Within Control Limits	Number Outside Control Limits
1,1-Dichloroethene	6	96.7-106.8	59-172	6	0	3	7.1	22	3	0
Trichloroethene	6	89.2-108.0	62-137	6	0	3	3.9	24	3	0
Benzene	6	91.3-106.3	66-142	6	0	3	3.6	21	3	0
Toluene	6	91.5-106.8	59-139	6	0	3	7.7	21	3	0
Chlorobenzene	6	95.6-109.9	60-133	6	0	3	4.5	21	3	0
Matrix spike and matrix spike duplicate analyses performed on samples: Sb-11-003B, SB-19-005A, and TP-33-005A.										

Table J-9. Volatile Organic Compound MS/MSD QC Summary: Water
Phase II RFI, Deseret Chemical Deport, Tooele, Utah

ACCURACY						PRECISION				
VOC MS/MSD Compounds	MS/MSD Calculated Recoveries	Percent Recovery Range	Percent Recovery Control Limits	Number Within Control Limits	Number Outside Control Limits	MS/MSD Calculated RPD	RPD Range	RPD Limit	Number Within Control Limits	Number Outside Control Limits
1,1-Dichloroethene	2	103.7-105.3	61-145	2	0	1	1.5	14	1	0
Thrichloehene	2	90.5-91.1	71-120	2	0	1	0.7	14	1	0
Benzene	2	94.6-95.5	76-127	2	0	1	0.94	11	1	0
Toluene	2	94.5-95.7	76-125	2	0	1	1.3	13	1	0
Chlorobenzene	2	99.9-101.2	75-130	2	0	1	1.3	13	1	0
Matrix spike and matrix spike duplicate analyses performed on samples: S-114-94.										

Table J-10. Semivolatile Organic Compound MS/MSD QC Summary:Soil
Phase II RFI, Deseret Chemical Deport, Tooele, Utah

ACCURACY						PRECISION				
SVOC MS/MSD Compounds	MS/MSD Calculated Recoveries	Percent Recovery Range	Percent Recovery Control Limits	Number Within Control Limits	Number Outside Control Limits	MS/MSD Calculated RPD	RPD Range	RPD Limit	Number Within Control Limits	Number Outside Control Limits
Phenol	2	94.6-95.8	26-90	0	2	1	1.3	38	1	0
2-Chlorophenol	2	97.2-98.8	25-102	2	0	1	1.6	50	1	0
1,4-Dichlorobenzene	2	113.2-115.6	28-104	0	2	1	2.1	27	1	0
n-Nitroso-di-n-Propylami	2	102.7-106.9	41-126	2	0	1	4	38	1	0
1,2,4-Trichlorobenzene	2	109.9	38-107	0	2	1	0	23	1	0
4-Chloro-3-methylpheno	2	84-90.4	26-103	2	0	1	7.3	33	1	0
Acenaphthene	2	68.5-71.2	31-137	2	0	1	3.9	19	1	0
4-Nitrophenol	2	89.7-92.1	11-114	2	0	1	2.6	50	1	0
2,4-Dinitrotoluene	2	95.5-97.6	28-89	0	2	1	2.2	47	1	0
Pentachlorophenol	2	100.8-113.3	17-109	2	0	1	11.7	47	1	0
Pyrene	2	88.9-94.2	35-142	2	0	1	5.9	37	1	0
Matrix spike and matrix spike duplicate analyses were performed on sample TP-33-005A.										

Table J-11 . Semivolatile Organic Compound MS/MSD QC Summary: Water
Phase II RFI, Deseret Chemical Deport, Tooele, Utah

ACCURACY						PRECISION				
SVOC MS/MSD Compounds	MS/MSD Calculated Recoveries	Percent Recovery Range	Percent Recovery Control Limits	Number Within Control Limits	Number Outside Control Limits	MS/MSD Calculated RPD	RPD Range	RPD Limit	Number Within Control Limits	Number Outside Control Limits
Phenol	2	56.8-51.8	12-110	2	0	1	9.2	42	1	0
2-Chlorophenol	2	79.4-81.4	27-123	2	0	1	2.5	40	1	0
1,4-Dichlorobenzene	2	54.8-51.4	36-97	2	0	1	6.4	28	1	0
n-Nitroso-di-n-Propylami	2	78.5-86.6	41-116	2	0	1	9.8	38	1	0
1,2,4-Trichlorobenzene	2	46.8-53.5	39-98	2	0	1	13.4	28	1	0
4-Chloro-3-methylphenol	2	63-70.2	23-97	2	0	1	10.8	42	1	0
Acenaphthene	2	42.5-42.5	46-118	1	1	1	13.6	31	1	0
4-Nitrophenol	2	32.6-50.2	(10-80)	2	0	1	42.5	50	1	0
2,4-Dinitrotoluene	2	103.5-112	24-96	0	2	1	8.2	38	1	0
Pentachlorophenol	2	54.9-84.8	9-103	2	0	1	42.8	50	1	0
Pyrene	2	72.5-108.8	26-127	2	0	1	40	31	0	1
Matrix spike and matrix spike duplicate analyses performed on sample: S-114-94.										

Table J-12. Polychlorinated Biphenyls MS/MSD QC Summary: Soil
Phase II RFI, Deseret Chemical Depot, Tooele, Utah

ACCURACY						PRECISION				
MS/MSD Compounds	MS/MSD Calculated Recoveries	Percent Recovery Range	Percent Recovery Control Limits	Number Within Control Limits	Number Outside Control Limits	MS/MSD Calculated RPD	RPD Range	RPD Limit	Number Within Control Limits	Number Outside Control Limits
PCB1016	4	45.6-109.3	75-125	2	2	2	20.6	30	1	0
PCB1260	4	49.1-103.8	75-125	2	2	2	24.5	30	1	0
Matrix spike and matrix spike duplicate analyses performed on samples: SB-37-007B and TP-33-005A.										

Table J-13. Polychlorinated Biphenyls MS/MSD QC Summary: Water
Phase II RFI, Deseret Chemical Depot, Tooele, Utah

ACCURACY						PRECISION				
MS/MSD Compounds	MS/MSD Calculated Recoveries	Percent Recovery Range	Percent Recovery Control Limits	Number Within Control Limits	Number Outside Control Limits	MS/MSD Calculated RPD	RPD Range	RPD Limit	Number Within Control Limits	Number Outside Control Limits
PCB1016	2	90.8-94.4	75-125	1	1	1	3.9	30	1	0
PCB1260	2	91.2-94.9	75-125	1	1	1	4	30	1	0
Matrix spike and matrix spike duplicate analyses performed on sample:S-114-94.										

Table J-14. Explosives MS/MSD QC Summary: Soil
Phase II RFI, Deseret Chemical Deport, Tooele, Utah

ACCURACY						PRECISION				
MS/MSD Compound	MS/MSD Calculated Recoveries	Percent Recovery Range	Percent Recovery Control Limits	Number Within Control Limits	Number Outside Control Limits	MS/MSD Calculated RPD	RPD Range	RPD Limit	Number Within Control Limits	Number Outside Control Limits
2,4-Dinitrotoluene	2	85.9-87.7	75-125	2	0	1	2.1	NA	NA	NA
Nitrobenzene	2	76-75.3	75-125	2	0	1	0.9	NA	NA	NA
RDX	2	72.2-76.4	75-125	2	0	1	5.7	NA	NA	NA
1,3,5-Trinitrobenzene	2	90.9-94.7	75-125	2	0	1	4.1	NA	NA	NA
2,4,6-Trinitrotoluene	2	93.8-98.8	75-125	2	0	1	5.2	NA	NA	NA
Matrix spike and matrix spike duplicate analyses performed on sample: SB-37-007B.										

Table J-15. Agent Breakdown Products MS/MSD QC Summary: Soil
Phase II RFI, Deseret Chemical Depot, Tooele, Utah

ACCURACY						PRECISION				
MS/MSD Compounds	MS/MSD Calculated Recoveries	Percent Recovery Range	Percent Recovery Control Limits	Number Within Control Limits	Number Outside Control Limits	MS/MSD Calculated RPD	RPD Range	RPD Limit	Number Within Control Limits	Number Outside Control Limits
IMPA	10	-305.7-110.9	75-125	8	2	5	2.9	NA	NA	NA
MPA	10	-161.8-1414	75-125	6	4	5	251.7	NA	NA	NA
FC2A	10	52.8-113.4	75-125	8	2	5	13.9	NA	NA	NA
CL2C2A	10	36.2-113.1	75-125	6	4	5	27	NA	NA	NA
Matrix spike and matrix spike duplicate analyses performed on sample: SB-33-006B, SS-33-011, TP-33-004A, TP-33-005A, and SB-11-015B.										

Table J-16. Chemical Agent Breakdown Products MS/MSD QC Summary: Water
Phase II RFI, Deseret Chemical Deport, Tooele, Utah

ACCURACY						PRECISION				
MS/MSD Compounds	MS/MSD Calculated Recoveries	Percent Recovery Range	Percent Recovery Control Limits	Number Within Control Limits	Number Outside Control Limits	MS/MSD Calculated RPD	RPD Range	RPD Limit	Number Within Control Limits	Number Outside Control Limits
IMPA	2	99.3-100.6	75-125	2	0	1	1.3	NA	NA	NA
MPA	2	101.7-102	75-125	2	0	1	0.3	NA	NA	NA
FC2A	2	102.5-106.1	75-125	2	0	1	3.5	NA	NA	NA
CL2C2A	2	100.2-100.8	75-125	2	0	1	0.3	NA	NA	NA
Matrix spike and matrix spike duplicate analyses performed on sample: S-74-90.										

Table J-17. Thiodiglycol MS/MSD QC Summary: Soil
Phase II RFI, Deseret Chemical Deport, Tooele, Utah

ACCURACY						PRECISION				
MS/MSD Compounds	MS/MSD Calculated Recoveries	Percent Recovery Range	Percent Recovery Control Limits	Number Within Control Limits	Number Outside Control Limits	MS/MSD Calculated RPD	RPD Range	RPD Limit	Number Within Control Limits	Number Outside Control Limits
Thiodiglycol	4	89.7-91.7	75-125	4	0	2	2	NA	NA	NA
NA-Not Applicable										
Matrix spike and matrix spike duplicate analyses performed on sample: TP-33-004A and TP-33-005A.										

Table J-18. Metals MS/MSD QC Summary Soil
Phase II RFI, Deseret Chemical Depot, Tooele, Utah

	ACCURACY					PRECISION				
MS/MSD Compounds	MS/MSD Calculated Recoveries	Percent Recovery Range	Percent Recovery Control Limits	Number Within Control Limits	Number Outside Control Limits	MS/MSD Calculated RPD	RPD Range	RPD Limit	Number Within Control Limits	Number Outside Control Limits
ICP Metals										
Silver	8	90.7-96.2	75-125	8	0	4	1.7	30	4	0
Barium	8	23.9-115.7	75-125	4	4	4	112.8	30	3	1
Beryllium	8	92.2-97.5	75-125	8	0	4	1.9	30	4	0
Cadmium	8	91.1-97.6	75-125	8	0	4	2	30	4	0
Cobalt	8	84.3-91.2	75-125	8	0	4	2.8	30	4	0
Chromium	8	80.2-92.9	75-125	8	0	4	7.7	30	4	0
Copper	8	86.2-100.9	75-125	8	0	4	6.9	30	4	0
Manganese	8	-116.8-176.2*	75-125	3	5	4	115.7	30	2	2
Nickel	8	73.8-92.6	75-125	7	1	4	6	30	4	0
Thallium	8	92.1-107.1	75-125	8	0	4	6.4	30	4	0
Vanadium	8	84.1-95.3	75-125	8	0	4	6.8	30	4	0
Zinc	8	80.6-95.6	75-125	8	0	4	7.5	30	4	0
Lead	8	86.3-94.6	75-125	8	0	4	5.95	30	4	0
Antimony	8	69.2-114.9	75-125	7	1	4	4.9	30	4	0
AA Metals										
Arsenic	8	74.5-97.6	75-125	7	1	4	22	30	4	0
Selenium	4	47.2-53.5	75-125	0	4	2	8.7	30	2	0
Mercury	12	69.3-106.4	75-125	9	4	6	11	30	6	0
Cyanide	10	86.6-104.1	75-125	10	0	5	7.7	30	5	0
*=Indigeous sample concentration greater than 4 times spike level.										

Table J-19. Metals MS/MSD QC Summary: Water
Phase II RFI, Deseret Chemical Depot, Tooele, Utah

ACCURACY						PRECISION				
MS/MSD Compounds	MS/MSD Calculated Recoveries	Percent Recovery Range	Percent Recovery Control Limits	Number Within Control Limits	Number Outside Control Limits	MS/MSD Calculated RPD	RPD Range	RPD Limit	Number Within Control Limits	Number Outside Control Limits
Silver	2	87.1-88.6	75-125	2	0	1	0.7	30	1	0
Barium	2	92.1-94.9	75-125	2	0	1	3	30	1	0
Beryllium	2	93.4-96.8	75-125	2	0	1	3.57	30	1	0
Cadmium	2	93.9-97.2	75-125	2	0	1	3.4	30	1	0
Cobalt	2	89.6-94.3	75-125	2	0	1	5.1	30	1	0
Chromium	2	93.2-94.8	75-125	2	0	1	1.7	30	1	0
Copper	2	97.7-97.9	75-125	2	0	1	0.2	30	1	0
Manganese	2	89.0-91.6	75-125	2	0	1	2.9	30	1	0
Nickel	2	90.3-90.7	75-125	2	0	1	0.4	30	1	0
Thallium	2	95.5-96	75-125	2	0	1	0.6	30	1	0
Vanadium	2	92.4-95.0	75-125	2	0	1	2.8	30	1	0
Zinc	2	93.1-94.1	75-125	2	0	1	3.6	30	1	0
Antimony	2	93.8-97.2	75-125	2	0	1	3.6	30	1	0
AA Metals										
Arsenic	4	85.9-102.1	75-125	4	0	2	3	30	2	0
Lead	4	59.3-60.3	75-125	0	2	1	1.7	30	1	0
Selenium	4	83.3-84.4	75-125	2	0	1	1	30	1	0
Mercury	4	70.5-88.8	75-125	1	1	1	22.9	30	1	0

Table J-20. Field QC Blank Cross Reference
Deseret Chemical Depot-Tooele, Utah

Site Id	Field Sample No.	Lab Sample No.	Sample Date	VOC-WA	SVOC-WA	METALS-WA					CN-WA	Agent-WA		PCB-WA	Exp-WA
				UM20	UM18	SS10	SD22	SD20	SB01	SD21	TF18	UW22	UT03	UH02	UW32
2-S	SAICRB01	STSWA*3	03/24/94	X	X	X	X	X	X	X	X	X	X	X	
2-S	SAICRB02	STSWA*4	03/24/94	X	X	X	X	X	X	X	X	X	X	X	
2-S	SAICTB01	STSWA*6	03/24/94	X											
S-113-94	SAICRB19	TSWA*182	01/27/95	X	X										
S-113-94	SAICTB08	STSWA*79	10/22/94	X										X	
S-113-94	SAICTB19	TSWA*192	01/27/95	X											
S-114-94	SAICRB20	TSWA*185	01/28/95	X	X										
S-114-94	SAICTB20	TSWA*190	01/28/95	X										X	
S-115-94	SAICRB14	STSWA*46	10/22/94	X	X										
S-116-94	SAICRB15	STSWA*42	10/23/94	X	X									X	
S-116-94	SAICRB18	TSWA*103	01/26/95	X	X									X	
S-116-94	SAICTB09	STSWA*72	10/23/94	X										X	
S-116-94	SAICTB18	TSWA*193	01/28/95	X											
S-3	SAICRB09	STSWA*26	10/06/94	X	X	X	X	X	X	X	X	X	X	X	
S-3	SAICTB03	STSWA*94	10/06/94	X											
S-3	SAICTB21	TSWA*191	01/30/95	X											
S-45-90	SAICRB07	STSWA*23	09/28/94	X	X	X	X	X	X	X	X	X	X	X	
S-45-90	SAICTB02	TSWA*100	09/28/94	X											
S-46-90	SAICRB06	STSWA*19	09/28/94	X	X	X	X	X	X	X	X	X	X	X	
S-46-90	SAICRB21	TSWA*171	01/30/95	X	X	X	X	X	X	X	X	X	X	X	
S-46-90	SAICTB01	STSWA*95	09/27/94	X											
S-75-90	SAICRB13	STSWA*39	10/11/94	X	X	X	X	X	X	X	X	X	X	X	
S-75-90	SAICRB22	TSWA*173	01/31/95	X	X	X	X	X	X	X	X	X	X	X	
S-75-90	SAICTB07	STSWA*96	10/11/94	X											
S-75-90	SAICTB22	TSWA*194	01/31/95	X											
SB-11-001A	SAICTB14	STSWA*71	10/25/94	X											
SB-11-001A	SAICTB15	STSWA*84	10/25/94	X											
SB-11-006A	SAICTB10	STSWA*88	10/24/94	X											
SB-11-006A	SAICTB11	STSWA*91	10/24/94	X											
SB-11-006A	SAICTB12	STSWA*89	10/24/94	X											
SB-11-006A	SAICTB13	STSWA*80	10/24/94	X											
SB-11-018B	SAICRB16	STSWA*47	10/24/94	X	X	X	X	X	X	X	X	X	X	X	
SB-11-020B	SAICRB17	STSWA*48	10/25/94	X	X	X	X	X	X	X	X	X	X	X	
SB-19-005A	SAICTB05	STSWA*75	10/06/94	X											
SB-19-007D	SAICRB11	STSWA*32	10/06/94	X	X										
SB-20-001B	SAICRB03	STSWA*13	09/22/94		X	X	X	X	X	X	X	X	X	X	
SB-37-001A	SAICRB04	STSWA*14	09/23/94		X	X	X	X	X	X	X	X	X	X	
SB-37-005A	SAICRB05	STSWA*15	09/24/94		X	X	X	X	X	X				X	X
SB-37-010B	SAICRB06	STSWA*25	10/04/94		X	X	X	X	X	X				X	X
SS-33-002	SAICRB01	STSWA*11	03/24/94			X	X	X	X	X	X	X	X		
SS-33-004	SAICRB02	STSWA*12	09/21/94			X	X	X	X	X	X	X	X		
TP-33-001A	SAICTB04	STSWA*97	10/07/94	X											
TP-33-006D	SAICRB10	STSWA*33	10/07/94	X	X	X	X	X	X	X	X	X	X	X	X

Table J-21. Data Summary Table: Trip Blanks
Deseret Chemical Depot-Tooele, Utah

Site ID		2-S	S-113-94	S-113-94	S-114-94	S-116-94
Field Sample Number		SAICTB01	SAICTB08	SAICTB19	SAICTB20	SAICTB09
Site Type		TRIP	TRIP	TRIP	TRIP	TRIP
Collection Date		3/24/94	10/22/94	1/27/94	1/28/95	10/23/94
Depth (ft)		0	0	0	111	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/GCMS (µg/L)

Laboratory ID Number			STSWA*6	STSWA*70	TSWA*192	TSWA*190	STSWA*72
Parameter	Units	CRL					
1,1,1-Trichloroethane	µg/L	0.5	LT 0.5**	LT 0.5**	LT 0.5**	LT 0.5**	LT 0.5**
1,1,2-Trichloroethane	µg/L	1.2	LT 1.2**	LT 1.2**	LT 1.2**	LT 1.2**	LT 1.2**
1,1-Dichloroethene	µg/L	0.5	LT 0.5**	LT 0.5**	LT 0.5**	LT 0.5**	LT 0.5**
1,1-Dichloroethane	µg/L	0.68	LT 0.68**	LT 0.68**	LT 0.68**	LT 0.68**	LT 0.68**
1,2-Dichloroethene	µg/L	0.5	LT 0.5**	LT 0.5**	LT 0.5**	LT 0.5**	LT 0.5**
1,2-Dichloroethane	µg/L	0.5	LT 0.5**	LT 0.5**	LT 0.5**	LT 0.5**	LT 0.5**
1,2-Dichloropropane	µg/L	0.5	LT 0.5**	LT 0.5**	LT 0.5**	LT 0.5**	LT 0.5**
cis-1,3-Dichloropropene	µg/L	0.58	LT 0.58**	LT 0.58**	LT 0.58**	LT 0.58**	LT 0.58**
Acetone	µg/L	13	LT 13**	LT 13**	LT 13**	LT 13**	LT 13**
Bromodichloromethane	µg/L	0.59	LT 0.59**	LT 0.59**	LT 0.59**	LT 0.59**	LT 0.59**
Vinyl Chloride	µg/L	2.6	LT 2.6**	LT 2.6**	LT 2.6**	LT 2.6**	LT 2.6**
Chloroethane	µg/L	1.9	LT 1.9**	LT 1.9**	LT 1.9**	LT 1.9**	LT 1.9**
Benzene	µg/L	0.5	LT 0.5**	LT 0.5**	LT 0.5**	LT 0.5**	LT 0.5**
Carbon Tetrachloride	µg/L	0.58	LT 0.58**	LT 0.58**	LT 0.58**	LT 0.58**	LT 0.58**
Methylene Chloride	µg/L	2.3	LT 2.3**	LT 2.3**	LT 2.3**	3.5**	LT 2.3**
Bromomethane	µg/L	5.8	LT 5.8**	LT 5.8**	LT 5.8**	LT 5.8**	LT 5.8**
Chloromethane	µg/L	3.2	LT 3.2**	LT 3.2**	LT 3.2**	LT 3.2**	LT 3.2**
Bromoform	µg/L	2.6	LT 2.6**	LT 2.6**	LT 2.6**	LT 2.6**	LT 2.6**
Chloroform	µg/L	0.5	LT 0.5**	LT 0.5**	LT 0.5**	LT 0.5**	LT 0.5**
Chlorobenzene	µg/L	0.5	LT 0.5**	LT 0.5**	LT 0.5**	LT 0.5**	LT 0.5**
Dibromochloromethane	µg/L	0.67	LT 0.67**	LT 0.67**	LT 0.67**	LT 0.67**	LT 0.67**
Ethylbenzene	µg/L	0.5	LT 0.5**	LT 0.5**	LT 0.5**	LT 0.5**	LT 0.5**
Toluene	µg/L	0.5	LT 0.5**	LT 0.5**	LT 0.5**	LT 0.5**	LT 0.5**
Methylethylketone	µg/L	6.4	LT 6.4**	LT 6.4**	LT 6.4**	LT 6.4**	LT 6.4**
Methylisobutylketone	µg/L	3	LT 3**	LT 3**	LT 3**	LT 3**	LT 3**
1,1,2,2-Tetrachloroethane	µg/L	0.51	LT 0.51**	LT 0.51**	LT 0.51**	LT 0.51**	LT 0.51**
Tetrachloroethene	µg/L	1.6	LT 1.6**	LT 1.6**	LT 1.6**	LT 1.6**	LT 1.6**
Trichloroethene	µg/L	0.5	LT 0.5**	LT 0.5**	LT 0.5**	LT 0.5**	LT 0.5**
1,2-Dimethylbenzene	µg/L	0.84	LT 0.84**	LT 0.84**	LT 0.84**	LT 0.84**	LT 0.84**
Styrene	µg/L	0.5	LT 0.5**	LT 0.5**	LT 0.5**	LT 0.5**	LT 0.5**
2-Hexanone	µg/L	3.6	LT 3.6**	LT 3.6**	LT 3.6**	LT 3.6**	LT 3.6**
Carbon Disulfide	µg/L	0.5	LT 0.5**	LT 0.5**	LT 0.5**	LT 0.5**	LT 0.5**
Vinyl Acetate	µg/L	8.3	LT 8.3**	LT 8.3**	LT 8.3**	LT 8.3**	LT 8.3**
trans-1,3-Dichloropropane	µg/L	0.7	LT 0.7**	LT 0.7**	LT 0.7**	LT 0.7**	LT 0.7**
TICs	µg/L		0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)

Table J-21. Data Summary Table: Trip Blanks
Deseret Chemical Depot-Tooele, Utah (Continued)

Site ID		S-116-94		S-3		S-3		S-45-90		S-46-90	
Field Sample Number		SAICTB18		SAICTB03		SAICTB21		SAICTB02		SAICTB01	
Site Type		TRIP		TRIP		TRIP		TRIP		TRIP	
Collection Date		1/26/95		10/6/94		1/30/95		9/28/94		9/27/94	
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/GCMS (µg/L)											
Laboratory ID Number			TSWA*193		STSWA*94		TSWA*191		TSWA*100		STSWA*95
Parameter	Units	CRL									
1,1,1-Trichloroethane	µg/L	0.5	LT 0.5**	LT 0.5*		LT 0.5**		LT 0.5**		LT 0.5**	
1,1,2-Trichloroethane	µg/L	1.2	LT 1.2**	LT 1.2*		LT 1.2**		LT 1.2**		LT 1.2**	
1,1-Dichloroethene	µg/L	0.5	LT 0.5**	LT 0.5*		LT 0.5**		LT 0.5**		LT 0.5**	
1,1-Dichloroethane	µg/L	0.68	LT 0.68**	LT 0.68*		LT 0.68**		LT 0.68**		LT 0.68**	
1,2-Dichloroethene	µg/L	0.5	LT 0.5**	LT 0.5*		LT 0.5**		LT 0.5**		LT 0.5**	
1,2-Dichloroethane	µg/L	0.5	LT 0.5**	LT 0.5*		LT 0.5**		LT 0.5**		LT 0.5**	
1,2-Dichloropropane	µg/L	0.5	LT 0.5**	LT 0.5*		LT 0.5**		LT 0.5**		LT 0.5**	
cis-1,3-Dichloropropane	µg/L	0.58	LT 0.58**	LT 0.58*		LT 0.58**		LT 0.58**		LT 0.58**	
Acetone	µg/L	13	LT 13**	LT 13*		LT 13**		LT 13**		LT 13**	
Bromodichloromethane	µg/L	0.59	LT 0.59**	LT 0.59*		LT 0.59**		LT 0.59**		LT 0.59**	
Vinyl Chloride	µg/L	2.6	LT 2.6**	LT 2.6*		LT 2.6**		LT 2.6**		LT 2.6**	
Chloroethane	µg/L	1.9	LT 1.9**	LT 1.9*		LT 1.9**		LT 1.9**		LT 1.9**	
Benzene	µg/L	0.5	LT 0.5**	LT 0.5*		LT 0.5**		LT 0.5**		LT 0.5**	
Carbon Tetrachloride	µg/L	0.58	LT 0.58**	LT 0.58*		LT 0.58**		LT 0.58**		LT 0.58**	
Methylene Chloride	µg/L	2.3	LT 2.3**	LT 2.3*		4.2**		LT 2.3**		LT 2.3**	
Bromomethane	µg/L	5.8	LT 5.8**	LT 5.8*		LT 5.8**		LT 5.8**		LT 5.8**	
Chloromethane	µg/L	3.2	LT 3.2**	LT 3.2*		LT 3.2**		LT 3.2**		LT 3.2**	
Bromoform	µg/L	2.6	LT 2.6**	LT 2.6*		LT 2.6**		LT 2.6**		LT 2.6**	
Chloroform	µg/L	0.5	LT 0.5**	LT 0.5*		LT 0.5**		LT 0.5**		LT 0.5**	
Chlorobenzene	µg/L	0.5	LT 0.5**	LT 0.5*		LT 0.5**		LT 0.5**		LT 0.5**	
Dibromochloromethane	µg/L	0.67	LT 0.67**	LT 0.67*		LT 0.67**		LT 0.67**		LT 0.67**	
Ethylbenzene	µg/L	0.5	LT 0.5**	LT 0.5*		LT 0.5**		LT 0.5**		LT 0.5**	
Toluene	µg/L	0.5	LT 0.5**	LT 0.5*		LT 0.5**		LT 0.5**		LT 0.5**	
Methylethylketone	µg/L	6.4	LT 6.4**	LT 6.4*		LT 6.4**		LT 6.4**		LT 6.4**	
Methylisobutylketone	µg/L	3	LT 3**	LT 3*		LT 3**		LT 3**		LT 3**	
1,1,2,2-Tetrachloroethane	µg/L	0.51	LT 0.51**	LT 0.51*		LT 0.51**		LT 0.51**		LT 0.51**	
Tetrachloroethene	µg/L	1.6	LT 1.6**	LT 1.6*		LT 1.6**		LT 1.6**		LT 1.6**	
Trichloroethene	µg/L	0.5	LT 0.5**	LT 0.5*		LT 0.5**		LT 0.5**		LT 0.5**	
1,2-Dimethylbenzene	µg/L	0.84	LT 0.84**	LT 0.84*		LT 0.84**		LT 0.84**		LT 0.84**	
Styrene	µg/L	0.5	LT 0.5**	LT 0.5*		LT 0.5**		LT 0.5**		LT 0.5**	
2-Hexanone	µg/L	3.6	LT 3.6**	LT 3.6*		LT 3.6**		LT 3.6**		LT 3.6**	
Carbon Disulfide	µg/L	0.5	LT 0.5**	LT 0.5*		LT 0.5**		LT 0.5**		LT 0.5**	
Vinyl Acetate	µg/L	8.3	LT 8.3**	LT 8.3*		LT 8.3**		LT 8.3**		LT 8.3**	
trans-1,3-Dichloropropene	µg/L	0.7	LT 0.7**	LT 0.7*		LT 0.7**		LT 0.7**		LT 0.7**	
TICs	µg/L		0 (0.0)		0 (0.0)		0 (0.0)		0 (0.0)		0 (0.0)

Table J-21. Data Summary Table: Trip Blanks
Deseret Chemical Depot-Tooele, Utah (Continued)

Site ID			S-75-90		S-75-90		SB-11-001A		SB-11-001A		SB-11-006A	
Field Sample Number			SAICTB07		SAICTB22		SAICTB14		SAICTB15		SAICTB10	
Site Type			TRIP		TRIP		TRIP		TRIP		TRIP	
Collection Date			10/11/94		1/31/95		10/25/94		10/25/94		10/24/94	
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/VOCMS (µg/L)												
Laboratory ID Number			STSWA*96		TSWA*194		STSWA*94		STSWA*71		STSWA*98	
Parameter	Units	CRL										
1,1,1-Trichloroethane	µg/L	0.5	LT	0.5**	LT	0.5**	LT	0.5**	LT	0.5**	LT	0.5**
1,1,2-Trichloroethane	µg/L	1.2	LT	1.2**	LT	1.2**	LT	1.2**	LT	1.2**	LT	1.2**
1,1-Dichloroethane	µg/L	0.5	LT	0.5**	LT	0.5**	LT	0.5**	LT	0.5**	LT	0.5**
1,1-Dichloroethene	µg/L	0.66	LT	0.66**	LT	0.66**	LT	0.66**	LT	0.66**	LT	0.66**
1,2-Dichloroethene	µg/L	0.5	LT	0.5**	LT	0.5**	LT	0.5**	LT	0.5**	LT	0.5**
1,2-Dichloroethane	µg/L	0.5	LT	0.5**	LT	0.5**	LT	0.5**	LT	0.5**	LT	0.5**
1,2-Dichloropropane	µg/L	0.5	LT	0.5**	LT	0.5**	LT	0.5**	LT	0.5**	LT	0.5**
cis-1,3-Dichloropropene	µg/L	0.58	LT	0.58**	LT	0.58**	LT	0.58**	LT	0.58**	LT	0.58**
Acetone	µg/L	13	LT	13**	LT	13**	LT	13**	LT	13**	LT	13**
Bromodichloromethane	µg/L	0.59	LT	0.59**	LT	0.59**	LT	0.59**	LT	0.59**	LT	0.59**
Vinyl Chloride	µg/L	2.6	LT	2.6**	LT	2.6**	LT	2.6**	LT	2.6**	LT	2.6**
Chloroethane	µg/L	1.9	LT	1.9**	LT	1.9**	LT	1.9**	LT	1.9**	LT	1.9**
Benzene	µg/L	0.5	LT	0.5**	LT	0.5**	LT	0.5**	LT	0.5**	LT	0.5**
Carbon Tetrachloride	µg/L	0.58	LT	0.58**	LT	0.58**	LT	0.58**	LT	0.58**	LT	0.58**
Methylene Chloride	µg/L	2.3	LT	2.3**	LT	2.3**	LT	2.3**	LT	2.3**	LT	2.3**
Bromomethane	µg/L	5.8	LT	5.8**	LT	5.8**	LT	5.8**	LT	5.8**	LT	5.8**
Chloromethane	µg/L	3.2	LT	3.2**	LT	3.2**	LT	3.2**	LT	3.2**	LT	3.2**
Bromoform	µg/L	2.6	LT	2.6**	LT	2.6**	LT	2.6**	LT	2.6**	LT	2.6**
Chloroform	µg/L	0.5	LT	0.5**		0.5**	LT	0.5**	LT	0.5**	LT	0.5**
Chlorobenzene	µg/L	0.5	LT	0.5**	LT	0.5**	LT	0.5**	LT	0.5**	LT	0.5**
Dibromochloromethane	µg/L	0.67	LT	0.67**	LT	0.67**	LT	0.67**	LT	0.67**	LT	0.67**
Ethylbenzene	µg/L	0.5	LT	0.5**	LT	0.5**	LT	0.5**	LT	0.5**	LT	0.5**
Toluene	µg/L	0.5	LT	0.5**	LT	0.5**	LT	0.5**	LT	0.5**	LT	0.5**
Methylethylketone	µg/L	6.4	LT	6.4**	LT	6.4**	LT	6.4**	LT	6.4**	LT	6.4**
Methylisobutylketone	µg/L	3	LT	3**	LT	3**	LT	3**	LT	3**	LT	3**
1,1,2,2-Tetrachloroethane	µg/L	0.51	LT	0.51**	LT	0.51**	LT	0.51**	LT	0.51**	LT	0.51**
Tetrachloroethene	µg/L	1.6	LT	1.6**	LT	1.6**	LT	1.6**	LT	1.6**	LT	1.6**
Trichloroethene	µg/L	0.5	LT	0.5**	LT	0.5**	LT	0.5**	LT	0.5**	LT	0.5**
1,2-Dimethylbenzene	µg/L	0.84	LT	0.84**	LT	0.84**	LT	0.84**	LT	0.84**	LT	0.84**
Styrene	µg/L	0.5	LT	0.5**	LT	0.5**	LT	0.5**	LT	0.5**	LT	0.5**
2-Hexanone	µg/L	3.6	LT	3.6**	LT	3.6**	LT	3.6**	LT	3.6**	LT	3.6**
Carbon Disulfide	µg/L	0.5	LT	0.5**	LT	0.5**	LT	0.5**	LT	0.5**	LT	0.5**
Vinyl Acetate	µg/L	8.3	LT	8.3**	LT	8.3**	LT	8.3**	LT	8.3**	LT	8.3**
trans-1,3-Dichloropropene	µg/L	0.7	LT	0.7**	LT	0.7**	LT	0.7**	LT	0.7**	LT	0.7**
TICs	µg/L			0 (0.0)		0 (0.0)		0 (0.0)		1 (8.0)		0 (0.0)

Table J-21. Data Summary Table: Trip Blanks
Deseret Chemical Depot-Tooele, Utah (Continued)

Site ID			SB-11-006A		SB-11-006A		SB-11-006A		SB-19-005A	TP-33-001A
Field Sample Number			SAICTB11		SAICTB12		SAICTB13		SAICTB05	SAICTB04
Site Type			TRIP		TRIP		TRIP		TRIP	TRIP
Collection Date			10/24/94		10/24/94		10/24/94		10/6/94	10/7/94
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/GCMS (µg/L)										
Laboratory ID Number			STSWA*91		STSWA*89		STSWA*90		STSWA*75	STSWA*97
Parameter	Units	CRL								
1,1,1-Trichloroethane	µg/L	0.5	LT	0.5**	LT	0.5**	LT	0.5**	LT 0.5*	LT 0.5*
1,1,2-Trichloroethane	µg/L	1.2	LT	1.2**	LT	1.2**	LT	1.2**	LT 1.2*	LT 1.2*
1,1-Dichloroethene	µg/L	0.5	LT	0.5**	LT	0.5**	LT	0.5**	LT 0.5*	LT 0.5*
1,1-Dichloroethene	µg/L	0.68	LT	0.68**	LT	0.68**	LT	0.68**	LT 0.68*	LT 0.68*
1,2-Dichloroethene	µg/L	0.5	LT	0.5**	LT	0.5**	LT	0.5**	LT 0.5*	LT 0.5*
1,2-Dichloroethene	µg/L	0.5	LT	0.5**	LT	0.5**	LT	0.5**	LT 0.5*	LT 0.5*
1,2-Dichloropropane	µg/L	0.5	LT	0.5**	LT	0.5**	LT	0.5**	LT 0.5*	LT 0.5*
cis-1,3-Dichloropropene	µg/L	0.58	LT	0.58**	LT	0.58**	LT	0.58**	LT 0.58*	LT 0.58*
Acetone	µg/L	13	LT	13**	LT	13**	LT	13**	LT 13*	LT 13*
Bromodichloromethane	µg/L	0.59	LT	0.59**	LT	0.59**	LT	0.59**	LT 0.59*	LT 0.59*
Vinyl Chloride	µg/L	2.6	LT	2.6**	LT	2.6**	LT	2.6**	LT 2.6*	LT 2.6*
Chloroethane	µg/L	1.9	LT	1.9**	LT	1.9**	LT	1.9**	LT 1.9*	LT 1.9*
Benzene	µg/L	0.5	LT	0.5**	LT	0.5**	LT	0.5**	LT 0.5*	LT 0.5*
Carbon Tetrachloride	µg/L	0.58	LT	0.58**	LT	0.58**	LT	0.58**	LT 0.58*	LT 0.58*
Methylene Chloride	µg/L	2.3	LT	2.3**	LT	2.3**		2.8**	LT 2.3*	LT 2.3*
Bromomethane	µg/L	5.8	LT	5.8**	LT	5.8**	LT	5.8**	LT 5.8*	LT 5.8*
Chloromethane	µg/L	3.2	LT	3.2**	LT	3.2**	LT	3.2**	LT 3.2*	LT 3.2*
Bromoform	µg/L	2.6	LT	2.6**	LT	2.6**	LT	2.6**	LT 2.6*	LT 2.6*
Chloroform	µg/L	0.5	LT	0.5**	LT	0.5**	LT	0.5**	LT 0.5*	LT 0.5*
Chlorobenzene	µg/L	0.5	LT	0.5**	LT	0.5**	LT	0.5**	LT 0.5*	LT 0.5*
Dibromochloromethane	µg/L	0.67	LT	0.67**	LT	0.67**	LT	0.67**	LT 0.67*	LT 0.67*
Ethylbenzene	µg/L	0.5	LT	0.5**	LT	0.5**	LT	0.5**	LT 0.5*	LT 0.5*
Toluene	µg/L	0.5	LT	0.5**	LT	0.5**	LT	0.5**	LT 0.5*	LT 0.5*
Methylethylketone	µg/L	6.4	LT	6.4**	LT	6.4**	LT	6.4**	LT 6.4*	LT 6.4*
Methylisobutylketone	µg/L	3	LT	3**	LT	3**	LT	3**	LT 3*	LT 3*
1,1,2,2-Tetrachloroethane	µg/L	0.51	LT	0.51**	LT	0.51**	LT	0.51**	LT 0.51*	LT 0.51*
Tetrachloroethene	µg/L	1.6	LT	1.6**	LT	1.6**	LT	1.6**	LT 1.6*	LT 1.6*
Trichloroethene	µg/L	0.5	LT	0.5**	LT	0.5**	LT	0.5**	LT 0.5*	LT 0.5*
1,2-Dimethylbenzene	µg/L	0.84	LT	0.84**	LT	0.84**	LT	0.84**	LT 0.84*	LT 0.84*
Styrene	µg/L	0.5	LT	0.5**	LT	0.5**	LT	0.5**	LT 0.5*	LT 0.5*
2-Hexanone	µg/L	3.6	LT	3.6**	LT	3.6**	LT	3.6**	LT 3.6*	LT 3.6*
Carbon Disulfide	µg/L	0.5	LT	0.5**	LT	0.5**	LT	0.5**	LT 0.5*	LT 0.5*
Vinyl Acetate	µg/L	6.3	LT	6.3**	LT	6.3**	LT	6.3**	LT 6.3*	LT 6.3*
trans-1,3-Dichloropropene	µg/L	0.7	LT	0.7**	LT	0.7**	LT	0.7**	LT 0.7*	LT 0.7*
TICs	µg/L			0 (0.0)		0 (0.0)		0 (0.0)	0 (0.0)	0 (0.0)

Footnotes:

* - Data collected from chemical transfer file (Phase I)

** - Data collected from AEC Pyramid system (Phase III)

CRL - Certified reporting limits

ID - Identification

N/A - Not applicable

QC - Quality control

- Tentatively Identified Compound : number of TICs (total value)

Boolean Codes

LT - Less than the certified reporting limit / method detection level

Table J-22. Data Summary Table: Equipment Rinsates
Deseret Chemical Depot-Tooele, Utah

Site ID				2-S		2-S		S-113-94	S-114-94	S-115-94
Field Sample Number				SAICRB01		SAICRB02		SAICRB19	SAICRB20	SAICRB14
Site Type				RNSW		RNSW		RNSW	RNSW	RNSW
Collection Date				3/24/94		3/24/94		1/27/94	1/28/95	10/22/94
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/GFAA (µg/L)										
Laboratory ID Number				STSWA*3		STSWA*4		N/A	N/A	N/A
Parameter	Units	CRL								
Arsenic	µg/L	2.54	LT	2.54**	LT	2.54** D		N/A	N/A	N/A
Lead	µg/L	1.26	LT	1.26**	LT	1.26** D		N/A	N/A	N/A
Selenium	µg/L	3.02	LT	3.02**	LT	3.02** D		N/A	N/A	N/A
METALS/WATER/CVAA (µg/L)										
Laboratory ID Number				STSWA*3		STSWA*4		N/A	N/A	N/A
Parameter	Units	CRL								
Mercury	µg/L	0.243	LT	0.243**	LT	0.243** D		N/A	N/A	N/A
CYANIDE/WATER/TECHNICON (µg/L)										
Laboratory ID Number				STSWA*3		STSWA*4		N/A	N/A	N/A
Parameter	Units	CRL								
Cyanide	µg/L	2.5	LT	2.5**	LT	2.5** D		N/A	N/A	N/A
METALS/WATER/ICP (µg/L)										
Laboratory ID Number				STSWA*3		STSWA*4		N/A	N/A	N/A
Parameter	Units	CRL								
Silver	µg/L	4.6	LT	4.6**	LT	4.6** D		N/A	N/A	N/A
Aluminum	µg/L	141	LT	141**	LT	141** D		N/A	N/A	N/A
Barium	µg/L	5	LT	5**	LT	5** D		N/A	N/A	N/A
Beryllium	µg/L	5	LT	5**	LT	5** D		N/A	N/A	N/A
Calcium	µg/L	500	LT	500**	LT	500** D		N/A	N/A	N/A
Cadmium	µg/L	4.01	LT	4.01**	LT	4.01** D		N/A	N/A	N/A
Cobalt	µg/L	25	LT	25**	LT	25** D		N/A	N/A	N/A
Chromium	µg/L	6.02	LT	6.02**	LT	6.02** D		N/A	N/A	N/A
Copper	µg/L	8.09	LT	8.09**	LT	8.09** D		N/A	N/A	N/A
Iron	µg/L	500	LT	38.8**		50.3** D		N/A	N/A	N/A
Potassium	µg/L	375	LT	375**	LT	375** D		N/A	N/A	N/A
Magnesium	µg/L	500	LT	500**	LT	500** D		N/A	N/A	N/A
Manganese	µg/L	2.75	LT	2.75**	LT	2.75** D		N/A	N/A	N/A
Sodium	µg/L	500	LT	500**	LT	500** D		N/A	N/A	N/A
Nickel	µg/L	34.3	LT	34.3**	LT	34.3** D		N/A	N/A	N/A
Antimony	µg/L	38	LT	38**	LT	38** D		N/A	N/A	N/A
Thallium	µg/L	61.4	LT	61.4**	LT	61.4** D		N/A	N/A	N/A
Vanadium	µg/L	11	LT	11**	LT	11** D		N/A	N/A	N/A
Zinc	µg/L	21.1	LT	21.1**	LT	21.1** D		N/A	N/A	N/A

Table J-22. Data Summary Table: Equipment Rinsates
Deseret Chemical Depot-Tooele, Utah (Continued)

Site ID			2-S		2-S		S-113-94		S-114-94	S-115-94
Field Sample Number			SAICRB01		SAICRB02		SAICRB19		SAICRB20	SAICRB14
Site Type			RNSW		RNSW		RNSW		RNSW	RNSW
Collection Date			3/24/94		3/24/94		1/27/94		1/28/95	10/22/94
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/GCMS (µg/L)										
Laboratory ID Number			STSWA*3		STSWA*4		TSWA*162		TSWA*165	STSWA*46
Parameter	Units	CRL								
1,1,1-Trichloroethane	µg/L	0.5	LT	0.5**	LT	0.5** D	LT	0.5**	LT 0.5**	LT 0.5**
1,1,2-Trichloroethane	µg/L	1.2	LT	1.2**	LT	1.2** D	LT	1.2**	LT 1.2**	LT 1.2**
1,1-Dichloroethene	µg/L	0.5	LT	0.5**	LT	0.5** D	LT	0.5**	LT 0.5**	LT 0.5**
1,1-Dichloroethane	µg/L	0.68	LT	0.68**	LT	0.68** D	LT	0.68**	LT 0.68**	LT 0.68**
1,2-Dichloroethene	µg/L	0.5	LT	0.5**	LT	0.5** D	LT	0.5**	LT 0.5**	LT 0.5**
1,2-Dichloroethane	µg/L	0.5	LT	0.5**	LT	0.5** D	LT	0.5**	LT 0.5**	LT 0.5**
1,2-Dichloropropane	µg/L	0.5	LT	0.5**	LT	0.5** D	LT	0.5**	LT 0.5**	LT 0.5**
cis-1,3-Dichloropropane	µg/L	0.58	LT	0.58**	LT	0.58** D	LT	0.58**	LT 0.58**	LT 0.58**
Acetone	µg/L	13	LT	13**	LT	13** D	LT	13**	LT 13**	LT 13**
Bromodichloromethane	µg/L	0.59	LT	0.59**	LT	0.59** D	LT	0.59**	LT 0.59**	LT 0.59**
Vinyl Chloride	µg/L	2.6	LT	2.6**	LT	2.6** D	LT	2.6**	LT 2.6**	LT 2.6**
Chloroethane	µg/L	1.9	LT	1.9**	LT	1.9** D	LT	1.9**	LT 1.9**	LT 1.9**
Benzene	µg/L	0.5	LT	0.5**	LT	0.5** D	LT	0.5**	LT 0.5**	LT 0.5**
Carbon Tetrachloride	µg/L	0.58	LT	0.58**	LT	0.58** D	LT	0.58**	LT 0.58**	LT 0.58**
Methylene Chloride	µg/L	2.3	LT	2.3**	LT	2.3** D	LT	2.3**	LT 2.3**	LT 2.3**
Bromomethane	µg/L	5.8	LT	5.8**	LT	5.8** D	LT	5.8**	LT 5.8**	LT 5.8**
Chloromethane	µg/L	3.2	LT	3.2**	LT	3.2** D	LT	3.2**	LT 3.2**	LT 3.2**
Bromoform	µg/L	2.6	LT	2.6**	LT	2.6** D	LT	2.6**	LT 2.6**	LT 2.6**
Chloroform	µg/L	0.5	LT	0.5**	LT	0.5** D	LT	0.5**	1.1**	LT 0.5**
Chlorobenzene	µg/L	0.5		0.49**	LT	0.5** D	LT	0.5**	LT 0.5**	LT 0.5**
Dibromochloromethane	µg/L	0.67	LT	0.67**	LT	0.67** D	LT	0.67**	LT 0.67**	LT 0.67**
Ethylbenzene	µg/L	0.5		2.1**	LT	0.5** D	LT	0.5**	LT 0.5**	LT 0.5**
Toluene	µg/L	0.5	LT	0.5**	LT	0.5** D	LT	0.5**	LT 0.5**	LT 0.5**
Methylethylketone	µg/L	6.4	LT	6.4**	LT	6.4** D	LT	6.4**	LT 6.4**	LT 6.4**
Methylisobutylketone	µg/L	3	LT	3**	LT	3** D	LT	3**	LT 3**	LT 3**
1,1,2,2-Tetrachloroethane	µg/L	0.51	LT	0.51**	LT	0.51** D	LT	0.51**	LT 0.51**	LT 0.51**
Tetrachloroethene	µg/L	1.6		1.9**	LT	1.6** D	LT	1.6**	LT 1.6**	LT 1.6**
Trichloroethene	µg/L	0.5	LT	0.5**	LT	0.5** D	LT	0.5**	LT 0.5**	LT 0.5**
1,2-Dimethylbenzene	µg/L	0.84	LT	0.84**	LT	0.84** D	LT	0.84**	LT 0.84**	LT 0.84**
Styrene	µg/L	0.5		1.1**	LT	0.5** D	LT	0.5**	LT 0.5**	LT 0.5**
2-Hexanone	µg/L	3.6	LT	3.6**	LT	3.6** D	LT	3.6**	LT 3.6**	LT 3.6**
Carbon Disulfide	µg/L	0.5		0.7**	LT	0.5** D	LT	0.5**	LT 0.5**	LT 0.5**
Vinyl Acetate	µg/L	8.3	LT	8.3**	LT	8.3** D	LT	8.3**	LT 8.3**	LT 8.3**
trans-1,3-Dichloropropane	µg/L	0.7	LT	0.7**	LT	0.7** D	LT	0.7**	LT 0.7**	LT 0.7**
TICs	µg/L			0 (0.0)		0 (0.0)		0 (0.0)	0 (0.0)	0 (0.0)

Table J-22. Data Summary Table: Equipment Rinsates
Deseret Chemical Depot-Tooele, Utah (Continued)

Site ID		2-S	2-S	S-113-94	S-114-94	S-115-94
Field Sample Number		SAICRB01	SAICRB02	SAICRB19	SAICRB20	SAICRB14
Site Type		RNSW	RNSW	RNSW	RNSW	RNSW
Collection Date		3/24/94	3/24/94	1/27/94	1/28/95	10/22/94
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.						

SEMIVOLATILES/WATER/GCMS (µg/L)

Laboratory ID Number			STSWA*3		STSWA*4		TSWA*162		TSWA*165		STSWA*46	
Parameter	Units	CRL										
1,2,4-Trichlorobenzene	µg/L	1.8	LT	1.8**	LT	1.8** D	LT	1.8**	LT	1.8**	LT	1.8**
1,2-Dichlorobenzene	µg/L	1.7	LT	1.7**	LT	1.7** D	LT	1.7**	LT	1.7**	LT	1.7**
1,3-Dichlorobenzene	µg/L	1.7	LT	1.7**	LT	1.7** D	LT	1.7**	LT	1.7**	LT	1.7**
1,4-Dichlorobenzene	µg/L	1.7	LT	1.7**	LT	1.7** D	LT	1.7**	LT	1.7**	LT	1.7**
2,4,5-Trichlorophenol	µg/L	5.2	LT	5.2**	LT	5.2** D	LT	5.2**	LT	5.2**	LT	5.2**
2,4,6-Trichlorophenol	µg/L	4.2	LT	4.2**	LT	4.2** D	LT	4.2**	LT	4.2**	LT	4.2**
2,4-Dichlorophenol	µg/L	2.9	LT	2.9**	LT	2.9** D	LT	2.9**	LT	2.9**	LT	2.9**
2,4-Dimethylphenol	µg/L	5.8	LT	5.8**	LT	5.8** D	LT	5.8**	LT	5.8**	LT	5.8**
2,4-Dinitrophenol	µg/L	21	LT	21**	LT	21** D	LT	21**	LT	21**	LT	21**
2,4-Dinitrotoluene	µg/L	4.5	LT	4.5**	LT	4.5** D	LT	4.5**	LT	4.5**	LT	4.5**
2,6-Dinitrotoluene	µg/L	0.79	LT	0.79**	LT	0.79** D	LT	0.79**	LT	0.79**	LT	0.79**
2-Chlorophenol	µg/L	0.99	LT	0.99**	LT	0.99** D	LT	0.99**	LT	0.99**	LT	0.99**
2-Chloronaphthalene	µg/L	0.5	LT	0.5**	LT	0.5** D	LT	0.5**	LT	0.5**	LT	0.5**
2-Methylnaphthalene	µg/L	1.7	LT	1.7**	LT	1.7** D	LT	1.7**	LT	1.7**	LT	1.7**
2-Methyl Phenol	µg/L	3.9	LT	3.9**	LT	3.9** D	LT	3.9**	LT	3.9**	LT	3.9**
2-Nitroaniline	µg/L	4.3	LT	4.3**	LT	4.3** D	LT	4.3**	LT	4.3**	LT	4.3**
2-Nitrophenol	µg/L	3.7	LT	3.7**	LT	3.7** D	LT	3.7**	LT	3.7**	LT	3.7**
3,3'-Dichlorobenzidine	µg/L	12	LT	12**	LT	12** D	LT	12**	LT	12**	LT	12**
3-Nitroaniline	µg/L	4.9	LT	4.9**	LT	4.9** D	LT	4.9**	LT	4.9**	LT	4.9**
4,6-Dinitro-2-cresol	µg/L	17	LT	17**	LT	17** D	LT	17**	LT	17**	LT	17**
4-Bromophenyl Phenyl Ether	µg/L	4.2	LT	4.2**	LT	4.2** D	LT	4.2**	LT	4.2**	LT	4.2**
4-Chloroaniline	µg/L	7.3	LT	7.3**	LT	7.3** D	LT	7.3**	LT	7.3**	LT	7.3**
4-Chloro-3-methylphenol	µg/L	4	LT	4**	LT	4** D	LT	4**	LT	4**	LT	4**
4-Chlorophenyl Phenyl Ether	µg/L	5.1	LT	5.1**	LT	5.1** D	LT	5.1**	LT	5.1**	LT	5.1**
4-Methyl Phenol	µg/L	0.52	LT	0.52**	LT	0.52** D	LT	0.52**	LT	0.52**	LT	0.52**
4-Nitroaniline	µg/L	5.2	LT	5.2**	LT	5.2** D	LT	5.2**	LT	5.2**	LT	5.2**
4-Nitrophenol	µg/L	12	LT	12**	LT	12** D	LT	12**	LT	12**	LT	12**
Acenaphthene	µg/L	1.7	LT	1.7**	LT	1.7** D	LT	1.7**	LT	1.7**	LT	1.7**
Acenaphthylene	µg/L	0.5	LT	0.5**	LT	0.5** D	LT	0.5**	LT	0.5**	LT	0.5**
Anthracene	µg/L	0.5	LT	0.5**	LT	0.5** D	LT	0.5**	LT	0.5**	LT	0.5**
bis(2-Chloroethoxy) Methane	µg/L	1.5	LT	1.5**	LT	1.5** D	LT	1.5**	LT	1.5**	LT	1.5**
bis(2-Chloroisopropyl) Ether	µg/L	5.3	LT	5.3**	LT	5.3** D	LT	5.3**	LT	5.3**	LT	5.3**
bis(2-Chloroethyl)ether	µg/L	1.9	LT	1.9**	LT	1.9** D	LT	1.9**	LT	1.9**	LT	1.9**
bis(2-Ethylhexyl)phthalate	µg/L	4.8	LT	4.8**	LT	4.8** D		18**		70**	LT	4.8**
Benzo(a)anthracene	µg/L	1.6	LT	1.6**	LT	1.6** D	LT	1.6**	LT	1.6**	LT	1.6**
Benzo(a)pyrene	µg/L	4.7	LT	4.7**	LT	4.7** D	LT	4.7**	LT	4.7**	LT	4.7**
Benzo(b)fluoranthene	µg/L	5.4	LT	5.4**	LT	5.4** D	LT	5.4**	LT	5.4**	LT	5.4**
Butyl Benzyl Phthalate	µg/L	3.4	LT	3.4**	LT	3.4** D	LT	3.4**	LT	3.4**	LT	3.4**
Benzo(g,h,i)perylene	µg/L	6.1	LT	6.1**	LT	6.1** D	LT	6.1**	LT	6.1**	LT	6.1**
Benzo(k)fluoranthene	µg/L	0.87	LT	0.87**	LT	0.87** D	LT	0.87**	LT	0.87**	LT	0.87**

Table J-22. Data Summary Table: Equipment Rinsates
Deseret Chemical Depot-Tooele, Utah (Continued)

Site ID															
Field Sample Number				2-S SAICRB01		2-S SAICRB02		S-113-94 SAICRB19		S-114-94 SAICRB20		S-115-94 SAICRB14	
Site Type				RNSW		RNSW		RNSW		RNSW		RNSW	
Collection Date				3/24/94		3/24/94		1/27/94		1/28/95		10/22/94	
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.													
Benzyl Alcohol	µg/L	0.72	LT	0.72**	LT	0.72** D	LT	0.72**	LT	0.72**	LT	0.72**	
Chrysene	µg/L	2.4	LT	2.4**	LT	2.4** D	LT	2.4**	LT	2.4**	LT	2.4**	
Hexachlorobenzene	µg/L	1.6	LT	1.6**	LT	1.6** D	LT	1.6**	LT	1.6**	LT	1.6**	
Hexachlorocyclopentadiene	µg/L	8.6	LT	8.6**	LT	8.6** D	LT	8.6**	LT	8.6**	LT	8.6**	
Hexachloroethane	µg/L	1.5	LT	1.5**	LT	1.5** D	LT	1.5**	LT	1.5**	LT	1.5**	
Dibenzo(a,h)anthracene	µg/L	6.5	LT	6.5**	LT	6.5** D	LT	6.5**	LT	6.5**	LT	6.5**	
Dibenzofuran	µg/L	1.7	LT	1.7**	LT	1.7** D	LT	1.7**	LT	1.7**	LT	1.7**	
Diethyl Phthalate	µg/L	2	LT	2**	LT	2** D	LT	2**	LT	2**	LT	2**	
Dimethyl Phthalate	µg/L	1.5	LT	1.5**	LT	1.5** D	LT	1.5**	LT	1.5**	LT	1.5**	
di-N-Butyl Phthalate	µg/L	3.7	LT	3.7**	LT	3.7** D	LT	3.7**	LT	3.7**	LT	3.7**	
di-N-Octyl Phthalate	µg/L	15	LT	15**	LT	15** D	LT	15**	LT	15**	LT	15**	
Fluoranthene	µg/L	3.3	LT	3.3**	LT	3.3** D	LT	3.3**	LT	3.3**	LT	3.3**	
Fluorene	µg/L	3.7	LT	3.7**	LT	3.7** D	LT	3.7**	LT	3.7**	LT	3.7**	
Hexachlorobutadiene	µg/L	3.4	LT	3.4**	LT	3.4** D	LT	3.4**	LT	3.4**	LT	3.4**	
Indeno(1,2,3-cd)pyrene	µg/L	8.6	LT	8.6**	LT	8.6** D	LT	8.6**	LT	8.6**	LT	8.6**	
Isophorone	µg/L	4.8	LT	4.8**	LT	4.8** D	LT	4.8**	LT	4.8**	LT	4.8**	
Naphthalene	µg/L	0.5	LT	0.5**	LT	0.5** D	LT	0.5**	LT	0.5**	LT	0.5**	
Nitrobenzene	µg/L	0.5	LT	0.5**	LT	0.5** D	LT	0.5**	LT	0.5**	LT	0.5**	
N-Nitroso-di-N-propylamine	µg/L	4.4	LT	4.4**	LT	4.4** D	LT	4.4**	LT	4.4**	LT	4.4**	
N-Nitrosodiphenylamine	µg/L	3	LT	3**	LT	3** D	LT	3**	LT	3**	LT	3**	
Pentachlorophenol	µg/L	18	LT	18**	LT	18** D	LT	18**	LT	18**	LT	18**	
Phenanthrene	µg/L	0.5	LT	0.5**	LT	0.5** D	LT	0.5**	LT	0.5**	LT	0.5**	
Phenol	µg/L	9.2	LT	9.2**	LT	9.2** D	LT	9.2**	LT	9.2**	LT	9.2**	
Pyrene	µg/L	2.8	LT	2.8**	LT	2.8** D	LT	2.8**	LT	2.8**	LT	2.8**	
TICs	µg/L			1 (4.0)		1 (4.0)		6 (92.0)		2 (66.0)		0 (0.0)	

PCBs/WATER/GCEC (µg/L)

Laboratory ID Number				STSWA*3		STSWA*4		TSWA*162		TSWA*165		STSWA*48	
Parameter	Units	CRL											
PCB-1016	µg/L	0.16	LT	0.16**	LT	0.16** D	LT	0.16*	LT	0.16*	LT	0.16**	
PCB-1260	µg/L	0.19	LT	0.19**	LT	0.19** D	LT	0.19*	LT	0.19*	LT	0.19**	
PCB-1221*	µg/L	0.16	ND	0.16** R	ND	0.16** R	ND	0.16* T	ND	0.16* T	ND	0.16** T	
PCB-1232*	µg/L	0.16	ND	0.16** R	ND	0.16** R	ND	0.16* T	ND	0.16* T	ND	0.16** T	
PCB-1242*	µg/L	0.19	ND	0.19** R	ND	0.19** R	ND	0.19* T	ND	0.19* T	ND	0.19** T	
PCB-1248*	µg/L	0.19	ND	0.19** R	ND	0.19** R	ND	0.19* T	ND	0.19* T	ND	0.19** T	
PCB-1254*	µg/L	0.19	ND	0.19** R	ND	0.19** R	ND	0.19* T	ND	0.19* T	ND	0.19** T	

Table J-22. Data Summary Table: Equipment Rinsates
Deseret Chemical Depot-Tooele, Utah (Continued)

Site ID			2-S		2-S	S-113-94	S-114-94	S-115-94
Field Sample Number			SAICRB01		SAICRB02	SAICRB19	SAICRB20	SAICRB14
Site Type			RNSW		RNSW	RNSW	RNSW	RNSW
Collection Date			3/24/94		3/24/94	1/27/94	1/28/95	10/22/94
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.								
ORGANICS/WATER/IC (µg/L)								
Laboratory ID Number			STSWA*3		STSWA*4	N/A	N/A	N/A
Parameter	Units	CRL						
Fluoroacetic acid	µg/L	25	LT 25**		LT 25** D	N/A	N/A	N/A
Isopropyl methylphosphonate	µg/L	25	LT 25**		LT 25** D	N/A	N/A	N/A
Methylphosphonic acid	µg/L	50	LT 50**		LT 50** D	N/A	N/A	N/A
ORGANOSULFURS/WATER/HPLC (µg/L)								
Laboratory ID Number			STSWA*3		STSWA*4	N/A	N/A	N/A
Parameter	Units	CRL						
Thiodiglycol	µg/L	48.8	LT 48.8**		LT 48.8** D	N/A	N/A	N/A
EXPLOSIVES/WATER/HPLC (µg/L)								
Laboratory ID Number			N/A		N/A	N/A	N/A	N/A
Parameter	Units	CRL						
1,3,5-Trinitrobenzene	µg/L	0.449	N/A		N/A	N/A	N/A	N/A
1,3-Dinitrobenzene	µg/L	0.611	N/A		N/A	N/A	N/A	N/A
2,4,6-Trinitrotoluene	µg/L	0.635	N/A		N/A	N/A	N/A	N/A
2,4-Dinitrotoluene	µg/L	0.0637	N/A		N/A	N/A	N/A	N/A
2,6-Dinitrotoluene	µg/L	0.0738	N/A		N/A	N/A	N/A	N/A
Cyclotetramethylenetetranitra	µg/L	1.21	N/A		N/A	N/A	N/A	N/A
Nitrobenzene	µg/L	0.645	N/A		N/A	N/A	N/A	N/A
Hexahydro-1,3,5-trinitro-1,3,	µg/L	1.17	N/A		N/A	N/A	N/A	N/A
N-methyl-N,2,4,6-tetranitroan	µg/L	2.48	N/A		N/A	N/A	N/A	N/A

Table J-22. Data Summary Table: Equipment Rinsates
Deseret Chemical Depot-Tooele, Utah (Continued)

Site ID			S-116-94		S-116-94		S-3		S-45-90		S-46-90
Field Sample Number			SAICRB15		SAICRB16		SAICRB09		SAICRB07		SAICRB06
Site Type			RNSW		RNSW		RNSW		RNSW		RNSW
Collection Date			10/23/94		1/26/95		10/6/94		9/28/94		9/26/94
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/GFAA (µg/L)											
Laboratory ID Number			N/A		N/A		STSWA*26		STSWA*23		STSWA*19
Parameter	Units	CRL									
Arsenic	µg/L	2.54	N/A		N/A	LT	2.54**	LT	2.54**	LT	2.54**
Lead	µg/L	1.26	N/A		N/A	LT	1.26**	LT	1.26**	LT	1.26**
Selenium	µg/L	3.02	N/A		N/A	LT	3.02**	LT	3.02**	LT	3.02**
METALS/WATER/CVAA (µg/L)											
Laboratory ID Number			N/A		N/A		STSWA*26		STSWA*23		STSWA*19
Parameter	Units	CRL									
Mercury	µg/L	0.243	N/A		N/A	LT	0.243**	LT	0.243**	LT	0.243**
CYANIDE/WATER/TECHNICON (µg/L)											
Laboratory ID Number			N/A		N/A		STSWA*26		STSWA*23		STSWA*19
Parameter	Units	CRL									
Cyanide	µg/L	2.5	N/A		N/A	LT	2.5**	LT	2.5**	LT	2.5**
METALS/WATER/ICP (µg/L)											
Laboratory ID Number			N/A		N/A		STSWA*26		STSWA*23		STSWA*19
Parameter	Units	CRL									
Silver	µg/L	4.6	N/A		N/A	LT	4.6**	LT	4.6**	LT	4.6**
Aluminum	µg/L	141	N/A		N/A	LT	141**	LT	141**	LT	141**
Barium	µg/L	5	N/A		N/A	LT	5**	LT	5**	LT	5**
Beryllium	µg/L	5	N/A		N/A	LT	5**	LT	5**	LT	5**
Calcium	µg/L	500	N/A		N/A	LT	500**	LT	500**	LT	500**
Cadmium	µg/L	4.01	N/A		N/A	LT	4.01**	LT	4.01**	LT	4.01**
Cobalt	µg/L	25	N/A		N/A	LT	25**	LT	25**	LT	25**
Chromium	µg/L	6.02	N/A		N/A	LT	6.02**	LT	6.02**	LT	6.02**
Copper	µg/L	8.09	N/A		N/A	LT	8.09**	LT	8.09**	LT	8.09**
Iron	µg/L	500	N/A		N/A	LT	38.8**	LT	38.8**	LT	38.8**
Potassium	µg/L	375	N/A		N/A	LT	375**	LT	375**	LT	375**
Magnesium	µg/L	500	N/A		N/A	LT	500**	LT	500**	LT	500**
Manganese	µg/L	2.75	N/A		N/A	LT	2.75**	LT	2.75**	LT	2.75**
Sodium	µg/L	500	N/A		N/A	LT	500**	LT	500**	LT	500**
Nickel	µg/L	34.3	N/A		N/A	LT	34.3**	LT	34.3**	LT	34.3**
Antimony	µg/L	38	N/A		N/A	LT	38**	LT	38**	LT	38**
Thallium	µg/L	81.4	N/A		N/A	LT	81.4**	LT	81.4**	LT	81.4**
Vanadium	µg/L	11	N/A		N/A	LT	11**	LT	11**	LT	11**
Zinc	µg/L	21.1	N/A		N/A	LT	21.1**	LT	21.1**	LT	21.1**

Table J-22. Data Summary Table: Equipment Rinsates
Deseret Chemical Depot-Tooele, Utah (Continued)

Site ID		S-116-94	S-116-94	S-3	S-45-90	S-46-90
Field Sample Number		SAICRB15	SAICRB18	SAICRB09	SAICRB07	SAICRB06
Site Type		RNSW	RNSW	RNSW	RNSW	RNSW
Collection Date		10/23/94	1/26/95	10/6/94	9/28/94	9/26/94
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/GCMS (µg/L)

Laboratory ID Number			STSWA*42		TSWA*103		STSWA*28		STSWA*23		STSWA*19	
Parameter	Units	CRL										
1,1,1-Trichloroethane	µg/L	0.5	LT	0.5**	LT	0.5**	LT	0.5*	LT	0.5**	LT	0.5**
1,1,2-Trichloroethane	µg/L	1.2	LT	1.2**	LT	1.2**	LT	1.2*	LT	1.2**	LT	1.2**
1,1-Dichloroethene	µg/L	0.5	LT	0.5**	LT	0.5**	LT	0.5*	LT	0.5**	LT	0.5**
1,1-Dichloroethane	µg/L	0.68	LT	0.68**	LT	0.68**	LT	0.68*	LT	0.68**	LT	0.68**
1,2-Dichloroethene	µg/L	0.5	LT	0.5**	LT	0.5**	LT	0.5*	LT	0.5**	LT	0.5**
1,2-Dichloroethane	µg/L	0.5	LT	0.5**	LT	0.5**	LT	0.5*	LT	0.5**	LT	0.5**
1,2-Dichloropropane	µg/L	0.5	LT	0.5**	LT	0.5**	LT	0.5*	LT	0.5**	LT	0.5**
cis-1,3-Dichloropropane	µg/L	0.58	LT	0.58**	LT	0.58**	LT	0.58*	LT	0.58**	LT	0.58**
Acetone	µg/L	13	LT	13**	LT	13**	LT	13*	LT	13**	LT	13**
Bromodichloromethane	µg/L	0.59	LT	0.59**	LT	0.59**	LT	0.59*	LT	0.59**	LT	0.59**
Vinyl Chloride	µg/L	2.6	LT	2.6**	LT	2.6**	LT	2.6*	LT	2.6**	LT	2.6**
Chloroethane	µg/L	1.9	LT	1.9**	LT	1.9**	LT	1.9*	LT	1.9**	LT	1.9**
Benzene	µg/L	0.5	LT	0.5**	LT	0.5**	LT	0.5*	LT	0.5**	LT	0.5**
Carbon Tetrachloride	µg/L	0.58	LT	0.58**	LT	0.58**	LT	0.58*	LT	0.58**	LT	0.58**
Methylene Chloride	µg/L	2.3	LT	2.3**	LT	2.3**	LT	2.3*	LT	2.3**	LT	2.3**
Bromomethane	µg/L	5.8	LT	5.8**	LT	5.8**	LT	5.8*	LT	5.8**	LT	5.8**
Chloromethane	µg/L	3.2	LT	3.2**	LT	3.2**	LT	3.2*	LT	3.2**	LT	3.2**
Bromoform	µg/L	2.6	LT	2.6**	LT	2.6**	LT	2.6*	LT	2.6**	LT	2.6**
Chloroform	µg/L	0.5	LT	0.5**	LT	0.5**	LT	0.5*	LT	0.5**	LT	0.5**
Chlorobenzene	µg/L	0.5	LT	0.5**	LT	0.5**	LT	0.5*	LT	0.5**	LT	0.5**
Dibromochloromethane	µg/L	0.67	LT	0.67**	LT	0.67**	LT	0.67*	LT	0.67**	LT	0.67**
Ethylbenzene	µg/L	0.5	LT	0.5**	LT	0.5**	LT	0.5*	LT	0.5**	LT	0.5**
Toluene	µg/L	0.5	LT	0.5**	LT	0.5**	LT	0.5*	LT	0.5**	LT	0.5**
Methylethylketone	µg/L	6.4	LT	6.4**	LT	6.4**	LT	6.4*	LT	6.4**	LT	6.4**
Methylisobutylketone	µg/L	3	LT	3**	LT	3**	LT	3*	LT	3**	LT	3**
1,1,2,2-Tetrachloroethane	µg/L	0.51	LT	0.51**	LT	0.51**	LT	0.51*	LT	0.51**	LT	0.51**
Tetrachloroethene	µg/L	1.6	LT	1.6**	LT	1.6**	LT	1.6*	LT	1.6**	LT	1.6**
Trichloroethene	µg/L	0.5	LT	0.5**	LT	0.5**	LT	0.5*	LT	0.5**	LT	0.5**
1,2-Dimethylbenzene	µg/L	0.84	LT	0.84**	LT	0.84**	LT	0.84*	LT	0.84**	LT	0.84**
Styrene	µg/L	0.5	LT	0.5**	LT	0.5**	LT	0.5*	LT	0.5**	LT	0.5**
2-Hexanone	µg/L	3.6	LT	3.6**	LT	3.6**	LT	3.6*	LT	3.6**	LT	3.6**
Carbon Disulfide	µg/L	0.5	LT	0.5**		0.92**	LT	0.5*	LT	0.5**	LT	0.5**
Vinyl Acetate	µg/L	8.3	LT	8.3**	LT	8.3**	LT	8.3*	LT	8.3**	LT	8.3**
trans-1,3-Dichloropropane	µg/L	0.7	LT	0.7**	LT	0.7**	LT	0.7*	LT	0.7**	LT	0.7**
TICs	µg/L			0 (0.0)		0 (0.0)		0 (0.0)		0 (0.0)		0 (0.0)

Table J-22. Data Summary Table: Equipment Rinsates
Deseret Chemical Depot-Tooele, Utah (Continued)

Site ID			S-116-94		S-116-94		S-3		S-45-90		S-46-90	
Field Sample Number			SAICRB15		SAICRB18		SAICRB09		SAICRB07		SAICRB06	
Site Type			RNSW		RNSW		RNSW		RNSW		RNSW	
Collection Date			10/23/94		1/26/95		10/6/94		9/28/94		9/26/94	
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.												
SEMIVOLATILES/WATER/GCMS (µg/L)												
Laboratory ID Number			STSWA*42		TSWA*103		STSWA*26			STSWA*23		STSWA*19
Parameter	Units	CRL										
1,2,4-Trichlorobenzene	µg/L	1.8	LT	1.8**	LT	1.8**	LT	1.8**	N	LT	1.8**	LT 1.8**
1,2-Dichlorobenzene	µg/L	1.7	LT	1.7**	LT	1.7**	LT	1.7**	N	LT	1.7**	LT 1.7**
1,3-Dichlorobenzene	µg/L	1.7	LT	1.7**	LT	1.7**	LT	1.7**	N	LT	1.7**	LT 1.7**
1,4-Dichlorobenzene	µg/L	1.7	LT	1.7**	LT	1.7**	LT	1.7**	N	LT	1.7**	LT 1.7**
2,4,5-Trichlorophenol	µg/L	5.2	LT	5.2**	LT	5.2**	LT	5.2**	N	LT	5.2**	LT 5.2**
2,4,6-Trichlorophenol	µg/L	4.2	LT	4.2**	LT	4.2**	LT	4.2**	N	LT	4.2**	LT 4.2**
2,4-Dichlorophenol	µg/L	2.9	LT	2.9**	LT	2.9**	LT	2.9**	N	LT	2.9**	LT 2.9**
2,4-Dimethytphenol	µg/L	5.8	LT	5.8**	LT	5.8**	LT	5.8**	N	LT	5.8**	LT 5.8**
2,4-Dinitrophenol	µg/L	21	LT	21**	LT	21**	LT	21**	N	LT	21**	LT 21**
2,4-Dinitrotoluene	µg/L	4.5	LT	4.5**	LT	4.5**	LT	4.5**	N	LT	4.5**	LT 4.5**
2,6-Dinitrotoluene	µg/L	0.79	LT	0.79**	LT	0.79**	LT	0.79**	N	LT	0.79**	LT 0.79**
2-Chlorophenol	µg/L	0.99	LT	0.99**	LT	0.99**	LT	0.99**	N	LT	0.99**	LT 0.99**
2-Chloronaphthalene	µg/L	0.5	LT	0.5**	LT	0.5**	LT	0.5**	N	LT	0.5**	LT 0.5**
2-Methylnaphthalene	µg/L	1.7	LT	1.7**	LT	1.7**	LT	1.7**	N	LT	1.7**	LT 1.7**
2-Methyl Phenol	µg/L	3.9	LT	3.9**	LT	3.9**	LT	3.9**	N	LT	3.9**	LT 3.9**
2-Nitroaniline	µg/L	4.3	LT	4.3**	LT	4.3**	LT	4.3**	N	LT	4.3**	LT 4.3**
2-Nitrophenol	µg/L	3.7	LT	3.7**	LT	3.7**	LT	3.7**	N	LT	3.7**	LT 3.7**
3,3'-Dichlorobenzidine	µg/L	12	LT	12**	LT	12**	LT	12**	N	LT	12**	LT 12**
3-Nitroaniline	µg/L	4.9	LT	4.9**	LT	4.9**	LT	4.9**	N	LT	4.9**	LT 4.9**
4,6-Dinitro-2-cresol	µg/L	17	LT	17**	LT	17**	LT	17**	N	LT	17**	LT 17**
4-Bromophenyl Phenyl Ether	µg/L	4.2	LT	4.2**	LT	4.2**	LT	4.2**	N	LT	4.2**	LT 4.2**
4-Chloroaniline	µg/L	7.3	LT	7.3**	LT	7.3**	LT	7.3**	N	LT	7.3**	LT 7.3**
4-Chloro-3-methylphenol	µg/L	4	LT	4**	LT	4**	LT	4**	N	LT	4**	LT 4**
4-Chlorophenyl Phenyl Ether	µg/L	5.1	LT	5.1**	LT	5.1**	LT	5.1**	N	LT	5.1**	LT 5.1**
4-Methyl Phenol	µg/L	0.52	LT	0.52**	LT	0.52**	LT	0.52**	N	LT	0.52**	LT 0.52**
4-Nitroaniline	µg/L	5.2	LT	5.2**	LT	5.2**	LT	5.2**	N	LT	5.2**	LT 5.2**
4-Nitrophenol	µg/L	12	LT	12**	LT	12**	LT	12**	N	LT	12**	LT 12**
Acenaphthene	µg/L	1.7	LT	1.7**	LT	1.7**	LT	1.7**	N	LT	1.7**	LT 1.7**
Acenaphthylene	µg/L	0.5	LT	0.5**	LT	0.5**	LT	0.5**	N	LT	0.5**	LT 0.5**
Anthracene	µg/L	0.5	LT	0.5**	LT	0.5**	LT	0.5**	N	LT	0.5**	LT 0.5**
bis(2-Chloroethoxy) Methane	µg/L	1.5	LT	1.5**	LT	1.5**	LT	1.5**	N	LT	1.5**	LT 1.5**
bis(2-Chloroisopropyl) Ether	µg/L	5.3	LT	5.3**	LT	5.3**	LT	5.3**	N	LT	5.3**	LT 5.3**
bis(2-Chloroethyl)ether	µg/L	1.9	LT	1.9**	LT	1.9**	LT	1.9**	N	LT	1.9**	LT 1.9**
bis(2-Ethylhexyl)phthalate	µg/L	4.8	LT	4.8**	LT	4.8**	LT	4.8**	N	LT	4.8**	LT 4.8**
Benzo(a)anthracene	µg/L	1.6	LT	1.6**	LT	1.6**	LT	1.6**	N	LT	1.6**	LT 1.6**
Benzo(a)pyrene	µg/L	4.7	LT	4.7**	LT	4.7**	LT	4.7**	N	LT	4.7**	LT 4.7**
Benzo(b)fluoranthene	µg/L	5.4	LT	5.4**	LT	5.4**	LT	5.4**	N	LT	5.4**	LT 5.4**
Butyl Benzyl Phthalate	µg/L	3.4	LT	3.4**	LT	3.4**	LT	3.4**	N	LT	3.4**	LT 3.4**
Benzo(g,h,i)perylene	µg/L	6.1	LT	6.1**	LT	6.1**	LT	6.1**	N	LT	6.1**	LT 6.1**
Benzo(k)fluoranthene	µg/L	0.87	LT	0.87**	LT	0.87**	LT	0.87**	N	LT	0.87**	LT 0.87**

Table J-22. Data Summary Table: Equipment Rinsates
Deseret Chemical Depot-Tooele, Utah (Continued)

Site ID																				
Field Sample Number				S-116-94 SAICRB15			S-116-94 SAICRB18			S-3 SAICRB09			S-45-90 SAICRB07			S-46-90 SAICRB06			
Site Type				RNSW			RNSW			RNSW			RNSW			RNSW			
Collection Date				10/23/94			1/26/95			10/6/94			9/28/94			9/28/94			
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.																				
Benzyl Alcohol	µg/L	0.72	LT	0.72**	LT	0.72**	LT	0.72**	N	LT	0.72**									
Chrysene	µg/L	2.4	LT	2.4**	LT	2.4**	LT	2.4**	N	LT	2.4**									
Hexachlorobenzene	µg/L	1.6	LT	1.6**	LT	1.6**	LT	1.6**	N	LT	1.6**									
Hexachlorocyclopentadiene	µg/L	8.6	LT	8.6**	LT	8.6**	LT	8.6**	N	LT	8.6**									
Hexachloroethane	µg/L	1.5	LT	1.5**	LT	1.5**	LT	1.5**	N	LT	1.5**									
Dibenzo(a,h)anthracene	µg/L	6.5	LT	6.5**	LT	6.5**	LT	6.5**	N	LT	6.5**									
Dibenzofuran	µg/L	1.7	LT	1.7**	LT	1.7**	LT	1.7**	N	LT	1.7**									
Diethyl Phthalate	µg/L	2	LT	2**	LT	2**	LT	2**	N	LT	2**									
Dimethyl Phthalate	µg/L	1.5	LT	1.5**	LT	1.5**	LT	1.5**	N	LT	1.5**									
di-N-Butyl Phthalate	µg/L	3.7	LT	3.7**	LT	3.7**	LT	3.7**	N	LT	3.7**									
di-N-Octyl Phthalate	µg/L	15	LT	15**	LT	15**	LT	15**	N	LT	15**									
Fluoranthene	µg/L	3.3	LT	3.3**	LT	3.3**	LT	3.3**	N	LT	3.3**									
Fluorene	µg/L	3.7	LT	3.7**	LT	3.7**	LT	3.7**	N	LT	3.7**									
Hexachlorobutadiene	µg/L	3.4	LT	3.4**	LT	3.4**	LT	3.4**	N	LT	3.4**									
Indeno(1,2,3-cd)pyrene	µg/L	8.6	LT	8.6**	LT	8.6**	LT	8.6**	N	LT	8.6**									
Isophorone	µg/L	4.8	LT	4.8**	LT	4.8**	LT	4.8**	N	LT	4.8**									
Naphthalene	µg/L	0.5	LT	0.5**	LT	0.5**	LT	0.5**	N	LT	0.5**									
Nitrobenzene	µg/L	0.5	LT	0.5**	LT	0.5**	LT	0.5**	N	LT	0.5**									
N-Nitroso-di-N-propylamine	µg/L	4.4	LT	4.4**	LT	4.4**	LT	4.4**	N	LT	4.4**									
N-Nitrosodiphenylamine	µg/L	3	LT	3**	LT	3**	LT	3**	N	LT	3**									
Pentachlorophenol	µg/L	18	LT	18**	LT	18**	LT	18**	N	LT	18**									
Phenanthrene	µg/L	0.5	LT	0.5**	LT	0.5**	LT	0.5**	N	LT	0.5**									
Phenol	µg/L	9.2	LT	9.2**	LT	9.2**	LT	9.2**	N	LT	9.2**									
Pyrene	µg/L	2.8	LT	2.8**	LT	2.8**	LT	2.8**	N	LT	2.8**									
TICs	µg/L			0 (0.0)		0 (0.0)		0 (0.0)			0 (0.0)									

PCBs/WATER/GCEC (µg/L)

Laboratory ID Number			STSWA*42		TSWA*103		STSWA*26		STSWA*23		STSWA*19	
Parameter	Units	CRL										
PCB-1016	µg/L	0.16	LT	0.16**	LT	0.16*	LT	0.16**	LT	0.16**	LT	0.16**
PCB-1260	µg/L	0.19	LT	0.19**	LT	0.19*	LT	0.19**	LT	0.19**	LT	0.19**
PCB-1221*	µg/L	0.16	ND	0.16** T	ND	0.16* T	ND	0.16** T	ND	0.16** T	ND	0.16** T
PCB-1232*	µg/L	0.16	ND	0.16** T	ND	0.16* T	ND	0.16** T	ND	0.16** T	ND	0.16** T
PCB-1242*	µg/L	0.19	ND	0.19** T	ND	0.19* T	ND	0.19** T	ND	0.19** T	ND	0.19** T
PCB-1248*	µg/L	0.19	ND	0.19** T	ND	0.19* T	ND	0.19** T	ND	0.19** T	ND	0.19** T
PCB-1254*	µg/L	0.19	ND	0.19** T	ND	0.19* T	ND	0.19** T	ND	0.19** T	ND	0.19** T

Table J-22. Data Summary Table: Equipment Rinsates
Deseret Chemical Depot-Tooele, Utah (Continued)

Site ID			S-116-94			S-116-94			S-3			S-45-90			S-46-90	
Field Sample Number			SAICRB15			SAICRB18			SAICRB09			SAICRB07			SAICRB06	
Site Type			RNSW			RNSW			RNSW			RNSW			RNSW	
Collection Date			10/23/94			1/26/95			10/6/94			9/28/94			9/28/94	
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.																
ORGANICS/WATER/IC (µg/L)																
Laboratory ID Number			N/A			N/A			STSWA*26			STSWA*23			STSWA*19	
Parameter	Units	CRL														
Fluoroacetic acid	µg/L	25	N/A			N/A		LT	25**		LT	25**		LT	25**	
Isopropyl methylphosphonate	µg/L	25	N/A			N/A		LT	25**		LT	25**		LT	25**	
Methylphosphonic acid	µg/L	50	N/A			N/A		LT	50**		LT	50**		LT	50**	
ORGANOSULFURS/WATER/HPLC (µg/L)																
Laboratory ID Number			N/A			N/A			STSWA*26			STSWA*23			STSWA*19	
Parameter	Units	CRL														
Thiodiglycol	µg/L	48.8	N/A			N/A		LT	48.8**	JR	LT	48.8**	J	LT	48.8**	J
EXPLOSIVES/WATER/HPLC (µg/L)																
Laboratory ID Number			N/A			N/A			N/A			N/A			N/A	
Parameter	Units	CRL														
1,3,5-Trinitrobenzene	µg/L	0.449	N/A			N/A			N/A			N/A			N/A	
1,3-Dinitrobenzene	µg/L	0.611	N/A			N/A			N/A			N/A			N/A	
2,4,6-Trinitrotoluene	µg/L	0.635	N/A			N/A			N/A			N/A			N/A	
2,4-Dinitrotoluene	µg/L	0.0637	N/A			N/A			N/A			N/A			N/A	
2,6-Dinitrotoluene	µg/L	0.0738	N/A			N/A			N/A			N/A			N/A	
Cyclotetramethylenetetranitra	µg/L	1.21	N/A			N/A			N/A			N/A			N/A	
Nitrobenzene	µg/L	0.645	N/A			N/A			N/A			N/A			N/A	
Hexahydro-1,3,5-trinitro-1,3,	µg/L	1.17	N/A			N/A			N/A			N/A			N/A	
N-methyl-N,2,4,6-tetranitroan	µg/L	2.48	N/A			N/A			N/A			N/A			N/A	

Table J-22. Data Summary Table: Equipment Rinsates
Deseret Chemical Depot-Tooele, Utah (Continued)

Site ID			S-46-90		S-75-90		S-75-90		SB-11-016B		SB-11-020B	
Field Sample Number			SAICRB21		SAICRB13		SAICRB22		SAICRB16		SAICRB17	
Site Type			RNSW		RNSW		RNSW		RNSW		RNSW	
Collection Date			1/30/95		10/11/94		1/31/95		10/24/94		10/25/94	
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/GFAA (µg/L)												
Laboratory ID Number			TSWA*171		STSWA*39		TSWA*173		STSWA*47		STSWA*48	
Parameter	Units	CRL										
Arsenic	µg/L	2.54	LT	2.54**	LT	2.54**	LT	2.54**	LT	2.54**	LT	2.54**
Lead	µg/L	1.26	LT	1.26**	LT	1.26**	LT	1.26**	LT	1.26**	LT	1.26**
Selenium	µg/L	3.02	LT	3.02**	LT	3.02**	LT	3.02**	LT	3.02**	LT	3.02**
METALS/WATER/CVAA (µg/L)												
Laboratory ID Number			TSWA*171		STSWA*39		TSWA*173		STSWA*47		STSWA*48	
Parameter	Units	CRL										
Mercury	µg/L	0.243	LT	0.243**	LT	0.243**	LT	0.243**	LT	0.243**	LT	0.243**
CYANIDE/WATER/TECHNICON (µg/L)												
Laboratory ID Number			TSWA*171		STSWA*39		TSWA*173		STSWA*47		STSWA*48	
Parameter	Units	CRL										
Cyanide	µg/L	2.5	LT	2.5**	LT	2.5**	LT	2.5**	LT	2.5**	LT	2.5**
METALS/WATER/ICP (µg/L)												
Laboratory ID Number			TSWA*171		STSWA*39		TSWA*173		STSWA*47		STSWA*48	
Parameter	Units	CRL										
Silver	µg/L	4.6	LT	4.6**	LT	4.6**	LT	4.6**	LT	4.6**	LT	4.6**
Aluminum	µg/L	141	LT	141**	LT	141**	LT	141**	LT	141**	LT	141**
Barium	µg/L	5	LT	5**	LT	5**	LT	5**	LT	5**	LT	5**
Beryllium	µg/L	5	LT	5**	LT	5**	LT	5**	LT	5**	LT	5**
Calcium	µg/L	500	LT	500**	LT	500**	LT	500**	LT	500**	LT	500**
Cadmium	µg/L	4.01	LT	4.01**	LT	4.01**	LT	4.01**	LT	4.01**	LT	4.01**
Cobalt	µg/L	25	LT	25**	LT	25**	LT	25**	LT	25**	LT	25**
Chromium	µg/L	6.02	LT	6.02**	LT	6.02**	LT	6.02**	LT	6.02**	LT	6.02**
Copper	µg/L	8.09	LT	8.09**	LT	8.09**	LT	8.09**	LT	8.09**	LT	8.09**
Iron	µg/L	500	LT	38.8**	LT	38.8**		139**	LT	38.8**	LT	38.8**
Potassium	µg/L	375	LT	375**	LT	375**	LT	375**	LT	375**	LT	375**
Magnesium	µg/L	500	LT	500**	LT	500**	LT	500**	LT	500**	LT	500**
Manganese	µg/L	2.75	LT	2.75**	LT	2.75**	LT	2.75**	LT	2.75**	LT	2.75**
Sodium	µg/L	500	LT	500**	LT	500**	LT	500**	LT	500**	LT	500**
Nickel	µg/L	34.3	LT	34.3**	LT	34.3**	LT	34.3**	LT	34.3**	LT	34.3**
Antimony	µg/L	38	LT	38**	LT	38**	LT	38**	LT	38**	LT	38**
Thallium	µg/L	61.4	LT	61.4**	LT	61.4**	LT	61.4**	LT	61.4**	LT	61.4**
Vanadium	µg/L	11	LT	11**	LT	11**	LT	11**	LT	11**	LT	11**
Zinc	µg/L	21.1	LT	21.1**	LT	21.1**	LT	21.1**	LT	21.1**	LT	21.1**

Table J-22. Data Summary Table: Equipment Rinsates
Deseret Chemical Depot-Tooele, Utah (Continued)

Site ID			S-46-90		S-75-90		S-75-90		SB-11-019B		SB-11-020B	
Field Sample Number			SAICRB21		SAICRB13		SAICRB22		SAICRB16		SAICRB17	
Site Type			RNSW		RNSW		RNSW		RNSW		RNSW	
Collection Date			1/30/95		10/11/94		1/31/95		10/24/94		10/25/94	
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/GCMS (µg/L)												
Laboratory ID Number			TSWA*171		STSWA*39		TSWA*173		STSWA*47		STSWA*48	
Parameter	Units	CRL										
1,1,1-Trichloroethane	µg/L	0.5	LT	0.5**	LT	0.5**	LT	0.5**	LT	0.5**	LT	0.5**
1,1,2-Trichloroethane	µg/L	1.2	LT	1.2**	LT	1.2**	LT	1.2**	LT	1.2**	LT	1.2**
1,1-Dichloroethene	µg/L	0.5	LT	0.5**	LT	0.5**	LT	0.5**	LT	0.5**	LT	0.5**
1,1-Dichloroethane	µg/L	0.68	LT	0.68**	LT	0.68**	LT	0.68**	LT	0.68**	LT	0.68**
1,2-Dichloroethene	µg/L	0.5	LT	0.5**	LT	0.5**	LT	0.5**	LT	0.5**	LT	0.5**
1,2-Dichloroethane	µg/L	0.5	LT	0.5**	LT	0.5**	LT	0.5**	LT	0.5**	LT	0.5**
1,2-Dichloropropane	µg/L	0.5	LT	0.5**	LT	0.5**	LT	0.5**	LT	0.5**	LT	0.5**
cis-1,3-Dichloropropane	µg/L	0.58	LT	0.58**	LT	0.58**	LT	0.58**	LT	0.58**	LT	0.58**
Acetone	µg/L	13	LT	13**	LT	13**	LT	13**	LT	13**	LT	13**
Bromodichloromethane	µg/L	0.59	LT	0.59**	LT	0.59**	LT	0.59**	LT	0.59**	LT	0.59**
Vinyl Chloride	µg/L	2.6	LT	2.6**	LT	2.6**	LT	2.6**	LT	2.6**	LT	2.6**
Chloroethane	µg/L	1.9	LT	1.9**	LT	1.9**	LT	1.9**	LT	1.9**	LT	1.9**
Benzene	µg/L	0.5	LT	0.5**	LT	0.5**	LT	0.5**	LT	0.5**	LT	0.5**
Carbon Tetrachloride	µg/L	0.58	LT	0.58**	LT	0.58**	LT	0.58**	LT	0.58**	LT	0.58**
Methylene Chloride	µg/L	2.3	LT	2.3**	LT	2.3**	LT	2.3**		2.6**	LT	2.3**
Bromomethane	µg/L	5.8	LT	5.8**	LT	5.8**	LT	5.8**	LT	5.8**	LT	5.8**
Chloromethane	µg/L	3.2	LT	3.2**	LT	3.2**	LT	3.2**	LT	3.2**	LT	3.2**
Bromoform	µg/L	2.6	LT	2.6**	LT	2.6**	LT	2.6**	LT	2.6**	LT	2.6**
Chloroform	µg/L	0.5	LT	0.5**	LT	0.5**	LT	0.5**	LT	0.5**	LT	0.5**
Chlorobenzene	µg/L	0.5	LT	0.5**	LT	0.5**	LT	0.5**	LT	0.5**	LT	0.5**
Dibromochloromethane	µg/L	0.67	LT	0.67**	LT	0.67**	LT	0.67**	LT	0.67**	LT	0.67**
Ethylbenzene	µg/L	0.5	LT	0.5**	LT	0.5**	LT	0.5**	LT	0.5**	LT	0.5**
Toluene	µg/L	0.5	LT	0.5**	LT	0.5**	LT	0.5**	LT	0.5**	LT	0.5**
Methylethylketone	µg/L	6.4	LT	6.4**	LT	6.4**	LT	6.4**	LT	6.4**	LT	6.4**
Methylisobutylketone	µg/L	3	LT	3**	LT	3**	LT	3**	LT	3**	LT	3**
1,1,2,2-Tetrachloroethane	µg/L	0.51	LT	0.51**	LT	0.51**	LT	0.51**	LT	0.51**	LT	0.51**
Tetrachloroethene	µg/L	1.6	LT	1.6**	LT	1.6**	LT	1.6**	LT	1.6**	LT	1.6**
Trichloroethene	µg/L	0.5	LT	0.5**	LT	0.5**	LT	0.5**	LT	0.5**	LT	0.5**
1,2-Dimethylbenzene	µg/L	0.84	LT	0.84**	LT	0.84**	LT	0.84**	LT	0.84**	LT	0.84**
Styrene	µg/L	0.5	LT	0.5**	LT	0.5**	LT	0.5**	LT	0.5**	LT	0.5**
2-Hexanone	µg/L	3.6	LT	3.6**	LT	3.6**	LT	3.6**	LT	3.6**	LT	3.6**
Carbon Disulfide	µg/L	0.5	LT	0.5**	LT	0.5**	LT	0.5**	LT	0.5**	LT	0.5**
Vinyl Acetate	µg/L	8.3	LT	8.3**	LT	8.3**	LT	8.3**	LT	8.3**	LT	8.3**
trans-1,3-Dichloropropane	µg/L	0.7	LT	0.7**	LT	0.7**	LT	0.7**	LT	0.7**	LT	0.7**
TICs	µg/L			0 (0.0)		0 (0.0)		0 (0.0)		0 (0.0)		0 (0.0)

Table J-22. Data Summary Table: Equipment Rinsates
Deseret Chemical Depot-Tooele, Utah (Continued)

Site ID		S-46-90		S-75-90		S-75-90		SB-11-016B		SB-11-020B	
Field Sample Number		SAICRB21		SAICRB13		SAICRB22		SAICRB16		SAICRB17	
Site Type		RNSW		RNSW		RNSW		RNSW		RNSW	
Collection Date		1/30/95		10/11/94		1/31/95		10/24/94		10/25/94	
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.											
SEMIVOLATILES/WATER/GCMS (µg/L)											
Laboratory ID Number			TSWA*171		STSWA*39		TSWA*173		STSWA*47		STSWA*48
Parameter	Units	CRL									
1,2,4-Trichlorobenzene	µg/L	1.8	LT	1.8**	LT	1.8**	LT	1.8**	LT	1.8**	LT 1.8**
1,2-Dichlorobenzene	µg/L	1.7	LT	1.7**	LT	1.7**	LT	1.7**	LT	1.7**	LT 1.7**
1,3-Dichlorobenzene	µg/L	1.7	LT	1.7**	LT	1.7**	LT	1.7**	LT	1.7**	LT 1.7**
1,4-Dichlorobenzene	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	5.2	LT	5.2**	LT	5.2**	LT	5.2**	LT	5.2**	LT 5.2**
2,4,6-Trichlorophenol	µg/L	4.2	LT	4.2**	LT	4.2**	LT	4.2**	LT	4.2**	LT 4.2**
2,4-Dichlorophenol	µg/L	2.9	LT	2.9**	LT	2.9**	LT	2.9**	LT	2.9**	LT 2.9**
2,4-Dimethylphenol	µg/L	5.8	LT	5.8**	LT	5.8**	LT	5.8**	LT	5.8**	LT 5.8**
2,4-Dinitrophenol	µg/L	21	LT	21**	LT	21**	LT	21**	LT	21**	LT 21**
2,4-Dinitrotoluene	µg/L	4.5	LT	4.5**	LT	4.5**	LT	4.5**	LT	4.5**	LT 4.5**
2,6-Dinitrotoluene	µg/L	0.79	LT	0.79**	LT	0.79**	LT	0.79**	LT	0.79**	LT 0.79**
2-Chlorophenol	µg/L	0.99	LT	0.99**	LT	0.99**	LT	0.99**	LT	0.99**	LT 0.99**
2-Chloronaphthalene	µg/L	0.5	LT	0.5**	LT	0.5**	LT	0.5**	LT	0.5**	LT 0.5**
2-Methylnaphthalene	µg/L	1.7	LT	1.7**	LT	1.7**	LT	1.7**	LT	1.7**	LT 1.7**
2-Methyl Phenol	µg/L	3.9	LT	3.9**	LT	3.9**	LT	3.9**	LT	3.9**	LT 3.9**
2-Nitroaniline	µg/L	4.3	LT	4.3**	LT	4.3**	LT	4.3**	LT	4.3**	LT 4.3**
2-Nitrophenol	µg/L	3.7	LT	3.7**	LT	3.7**	LT	3.7**	LT	3.7**	LT 3.7**
3,3'-Dichlorobenzidine	µg/L	12	LT	12**	LT	12**	LT	12**	LT	12**	LT 12**
3-Nitroaniline	µg/L	4.9	LT	4.9**	LT	4.9**	LT	4.9**	LT	4.9**	LT 4.9**
4,6-Dinitro-2-cresol	µg/L	17	LT	17**	LT	17**	LT	17**	LT	17**	LT 17**
4-Bromophenyl Phenyl Ether	µg/L	4.2	LT	4.2**	LT	4.2**	LT	4.2**	LT	4.2**	LT 4.2**
4-Chloroaniline	µg/L	7.3	LT	7.3**	LT	7.3**	LT	7.3**	LT	7.3**	LT 7.3**
4-Chloro-3-methylphenol	µg/L	4	LT	4**	LT	4**	LT	4**	LT	4**	LT 4**
4-Chlorophenyl Phenyl Ether	µg/L	5.1	LT	5.1**	LT	5.1**	LT	5.1**	LT	5.1**	LT 5.1**
4-Methyl Phenol	µg/L	0.52	LT	0.52**	LT	0.52**	LT	0.52**	LT	0.52**	LT 0.52**
4-Nitroaniline	µg/L	5.2	LT	5.2**	LT	5.2**	LT	5.2**	LT	5.2**	LT 5.2**
4-Nitrophenol	µg/L	12	LT	12**	LT	12**	LT	12**	LT	12**	LT 12**
Acenaphthene	µg/L	1.7	LT	1.7**	LT	1.7**	LT	1.7**	LT	1.7**	LT 1.7**
Acenaphthylene	µg/L	0.5	LT	0.5**	LT	0.5**	LT	0.5**	LT	0.5**	LT 0.5**
Anthracene	µg/L	0.5	LT	0.5**	LT	0.5**	LT	0.5**	LT	0.5**	LT 0.5**
bis(2-Chloroethoxy) Methane	µg/L	1.5	LT	1.5**	LT	1.5**	LT	1.5**	LT	1.5**	LT 1.5**
bis(2-Chloroisopropyl) Ether	µg/L	5.3	LT	5.3**	LT	5.3**	LT	5.3**	LT	5.3**	LT 5.3**
bis(2-Chloroethyl)ether	µg/L	1.9	LT	1.9**	LT	1.9**	LT	1.9**	LT	1.9**	LT 1.9**
bis(2-Ethylhexyl)phthalate	µg/L	4.8		12**	LT	4.8**	LT	4.8**		25** B	15** B
Benzo(a)anthracene	µg/L	1.6	LT	1.6**	LT	1.6**	LT	1.6**	LT	1.6**	LT 1.6**
Benzo(a)pyrene	µg/L	4.7	LT	4.7**	LT	4.7**	LT	4.7**	LT	4.7**	LT 4.7**
Benzo(b)fluoranthene	µg/L	5.4	LT	5.4**	LT	5.4**	LT	5.4**	LT	5.4**	LT 5.4**
Butyl Benzyl Phthalate	µg/L	3.4	LT	3.4**	LT	3.4**	LT	3.4**	LT	3.4**	LT 3.4**
Benzo(g,h,i)perylene	µg/L	6.1	LT	6.1**	LT	6.1**	LT	6.1**	LT	6.1**	LT 6.1**
Benzo(k)fluoranthene	µg/L	0.87	LT	0.87**	LT	0.87**	LT	0.87**	LT	0.87**	LT 0.87**

Table J-22. Data Summary Table: Equipment Rinsates
Deseret Chemical Depot-Tooele, Utah (Continued)

Site ID															
Field Sample Number				S-46-90 SAICRB21			S-75-90 SAICRB13			S-75-90 SAICRB22			SB-11-016B SAICRB16			SB-11-020B SAICRB17	
Site Type				RNSW			RNSW			RNSW			RNSW			RNSW	
Collection Date				1/30/95			10/11/94			1/31/95			10/24/94			10/25/94	
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.																	
Benzyl Alcohol	µg/L	0.72	LT	0.72**			LT	0.72**			LT	0.72**			LT	0.72**			LT	0.72**	
Chrysene	µg/L	2.4	LT	2.4**			LT	2.4**			LT	2.4**			LT	2.4**			LT	2.4**	
Hexachlorobenzene	µg/L	1.6	LT	1.6**			LT	1.6**			LT	1.6**			LT	1.6**			LT	1.6**	
Hexachlorocyclopentadiene	µg/L	8.6	LT	8.6**			LT	8.6**			LT	8.6**			LT	8.6**			LT	8.6**	
Hexachloroethane	µg/L	1.5	LT	1.5**			LT	1.5**			LT	1.5**			LT	1.5**			LT	1.5**	
Dibenzo(a,h)anthracene	µg/L	6.5	LT	6.5**			LT	6.5**			LT	6.5**			LT	6.5**			LT	6.5**	
Dibenzofuran	µg/L	1.7	LT	1.7**			LT	1.7**			LT	1.7**			LT	1.7**			LT	1.7**	
Diethyl Phthalate	µg/L	2	LT	2**			LT	2**			LT	2**			LT	2**			LT	2**	
Dimethyl Phthalate	µg/L	1.5	LT	1.5**			LT	1.5**			LT	1.5**			LT	1.5**			LT	1.5**	
di-N-Butyl Phthalate	µg/L	3.7	LT	3.7**			LT	3.7**			LT	3.7**			LT	3.7**			LT	3.7**	
di-N-Octyl Phthalate	µg/L	15	LT	15**			LT	15**			LT	15**			LT	15**			LT	15**	
Fluoranthene	µg/L	3.3	LT	3.3**			LT	3.3**			LT	3.3**			LT	3.3**			LT	3.3**	
Fluorene	µg/L	3.7	LT	3.7**			LT	3.7**			LT	3.7**			LT	3.7**			LT	3.7**	
Hexachlorobutadiene	µg/L	3.4	LT	3.4**			LT	3.4**			LT	3.4**			LT	3.4**			LT	3.4**	
Indeno(1,2,3-cd)pyrene	µg/L	8.6	LT	8.6**			LT	8.6**			LT	8.6**			LT	8.6**			LT	8.6**	
Isophorone	µg/L	4.8	LT	4.8**			LT	4.8**			LT	4.8**			LT	4.8**			LT	4.8**	
Naphthalene	µg/L	0.5	LT	0.5**			LT	0.5**			LT	0.5**			LT	0.5**			LT	0.5**	
Nitrobenzene	µg/L	0.5	LT	0.5**			LT	0.5**			LT	0.5**			LT	0.5**			LT	0.5**	
N-Nitroso-di-N-propylamine	µg/L	4.4	LT	4.4**			LT	4.4**			LT	4.4**			LT	4.4**			LT	4.4**	
N-Nitrosodiphenylamine	µg/L	3	LT	3**			LT	3**			LT	3**			LT	3**			LT	3**	
Pentachlorophenol	µg/L	18	LT	18**			LT	18**			LT	18**			LT	18**			LT	18**	
Phenanthrene	µg/L	0.5	LT	0.5**			LT	0.5**			LT	0.5**			LT	0.5**			LT	0.5**	
Phenol	µg/L	9.2	LT	9.2**			LT	9.2**			LT	9.2**			LT	9.2**			LT	9.2**	
Pyrene	µg/L	2.8	LT	2.8**			LT	2.8**			LT	2.8**			LT	2.8**			LT	2.8**	
TICs	µg/L			0 (0.0)				0 (0.0)				0 (0.0)				0 (0.0)				0 (0.0)	

PCBs/WATER/GCEC (µg/L)

Laboratory ID Number																				
Parameter	Units	CRL		TSWA*171			STSWA*39			TSWA*173			STSWA*47			STSWA*48				
PCB-1016	µg/L	0.16	LT	0.16**	N		LT	0.16**			LT	0.16**	N		LT	0.16**			LT	0.16**	
PCB-1260	µg/L	0.19	LT	0.19**	N		LT	0.19**			LT	0.19**	N		LT	0.19**			LT	0.19**	
PCB-1221*	µg/L	0.16	ND	0.16** T	N		ND	0.16** T			ND	0.16** T	N		ND	0.16** T			ND	0.16** T	
PCB-1232*	µg/L	0.16	ND	0.16** T	N		ND	0.16** T			ND	0.16** T	N		ND	0.16** T			ND	0.16** T	
PCB-1242*	µg/L	0.19	ND	0.19** T	N		ND	0.19** T			ND	0.19** T	N		ND	0.19** T			ND	0.19** T	
PCB-1248*	µg/L	0.19	ND	0.19** T	N		ND	0.19** T			ND	0.19** T	N		ND	0.19** T			ND	0.19** T	
PCB-1254*	µg/L	0.19	ND	0.19** T	N		ND	0.19** T			ND	0.19** T	N		ND	0.19** T			ND	0.19** T	

Table J-22. Data Summary Table: Equipment Rinsates
Deseret Chemical Depot-Tooele, Utah (Continued)

Site ID			S-46-90		S-75-90		S-75-90		SB-11-018B		SB-11-020B	
Field Sample Number			SAICRB21		SAICRB13		SAICRB22		SAICRB16		SAICRB17	
Site Type			RNSW		RNSW		RNSW		RNSW		RNSW	
Collection Date			1/30/95		10/11/94		1/31/95		10/24/94		10/25/94	
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.												
ORGANICS/WATER/IC (µg/L)												
Laboratory ID Number			TSWA*171		STSWA*39		TSWA*173		STSWA*47		STSWA*48	
Parameter	Units	CRL										
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**
ORGANOSULFURS/WATER/HPLC (µg/L)												
Laboratory ID Number			TSWA*171		STSWA*39		TSWA*173		STSWA*47		STSWA*48	
Parameter	Units	CRL										
Thiodiglycol	µg/L	48.8	LT	48.8**	LT	48.8**	LT	48.8**	LT	48.8**	LT	48.8**
EXPLOSIVES/WATER/HPLC (µg/L)												
Laboratory ID Number			N/A		N/A		N/A		N/A		N/A	
Parameter	Units	CRL										
1,3,5-Trinitrobenzene	µg/L	0.449	N/A		N/A		N/A		N/A		N/A	
1,3-Dinitrobenzene	µg/L	0.611	N/A		N/A		N/A		N/A		N/A	
2,4,6-Trinitrotoluene	µg/L	0.635	N/A		N/A		N/A		N/A		N/A	
2,4-Dinitrotoluene	µg/L	0.0637	N/A		N/A		N/A		N/A		N/A	
2,6-Dinitrotoluene	µg/L	0.0738	N/A		N/A		N/A		N/A		N/A	
Cyclotetramethylenetetranitra	µg/L	1.21	N/A		N/A		N/A		N/A		N/A	
Nitrobenzene	µg/L	0.645	N/A		N/A		N/A		N/A		N/A	
Hexahydro-1,3,5-trinitro-1,3,	µg/L	1.17	N/A		N/A		N/A		N/A		N/A	
N-methyl-N,2,4,6-tetranitroan	µg/L	2.48	N/A		N/A		N/A		N/A		N/A	

Table J-22. Data Summary Table: Equipment Rinsates
Deseret Chemical Depot-Tooele, Utah (Continued)

Site ID			SB-19-007D		SB-20-001B		SB-37-001A		SB-37-005A		SB-37-010B	
Field Sample Number			SAICRB11		SAICRB03		SAICRB04		SAICRB05		SAICRB08	
Site Type			RNSW		RNSW		RNSW		RNSW		RNSW	
Collection Date			10/8/94		9/22/94		9/23/94		9/24/94		10/4/94	
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/GFAA (µg/L)												
Laboratory ID Number			N/A		STSWA*13		STSWA*14		STSWA*15		STSWA*25	
Parameter	Units	CRL										
Arsenic	µg/L	2.54	N/A	LT	2.54*	LT	2.54*	LT	2.54*	LT	2.54**	
Lead	µg/L	1.26	N/A	LT	1.26**	LT	1.26**		2.71**	LT	1.26**	
Selenium	µg/L	3.02	N/A	LT	3.02**	LT	3.02**	LT	3.02**	LT	3.02**	
METALS/WATER/CVAA (µg/L)												
Laboratory ID Number			N/A		STSWA*13		STSWA*14		STSWA*15		STSWA*25	
Parameter	Units	CRL										
Mercury	µg/L	0.243	N/A	LT	0.243**	LT	0.243**	LT	0.243**	LT	0.243**	
CYANIDE/WATER/TECHNICON (µg/L)												
Laboratory ID Number			N/A		STSWA*13		STSWA*14		N/A		N/A	
Parameter	Units	CRL										
Cyanide	µg/L	2.5	N/A	LT	2.5**	LT	2.5**		N/A		N/A	
METALS/WATER/ICP (µg/L)												
Laboratory ID Number			N/A		STSWA*13		STSWA*14		STSWA*15		STSWA*25	
Parameter	Units	CRL										
Silver	µg/L	4.6	N/A	LT	4.6**	LT	4.6**	LT	4.6**	LT	4.6**	
Aluminum	µg/L	141	N/A	LT	141**	LT	141**		3510**	LT	141**	
Barium	µg/L	5	N/A	LT	5**	LT	5**		50.7**	LT	5**	
Beryllium	µg/L	5	N/A	LT	5**	LT	5**	LT	5**	LT	5**	
Calcium	µg/L	500	N/A	LT	500**	LT	500**		375000**	LT	500**	
Cadmium	µg/L	4.01	N/A	LT	4.01**	LT	4.01**	LT	4.01**	LT	4.01**	
Cobalt	µg/L	25	N/A	LT	25**	LT	25**	LT	25**	LT	25**	
Chromium	µg/L	6.02	N/A	LT	6.02**	LT	6.02**		82**	LT	6.02**	
Copper	µg/L	8.09	N/A	LT	8.09**	LT	8.09**	LT	8.09**	LT	8.09**	
Iron	µg/L	500	N/A	LT	38.8**	LT	38.8**		4980**	LT	38.8**	
Potassium	µg/L	375	N/A	LT	375**	LT	375**		27600**	LT	375**	
Magnesium	µg/L	500	N/A	LT	500**	LT	500**		610000**	LT	500**	
Manganese	µg/L	2.75	N/A	LT	2.75**	LT	2.75**		339**	LT	2.75**	
Sodium	µg/L	500	N/A	LT	500**	LT	500**		2300000**	LT	500**	
Nickel	µg/L	34.3	N/A	LT	34.3**	LT	34.3**	LT	34.3**	LT	34.3**	
Antimony	µg/L	38	N/A	LT	38**	LT	38**	LT	38**	LT	38**	
Thallium	µg/L	81.4	N/A	LT	81.4**	LT	81.4**	LT	81.4**	LT	81.4**	
Vanadium	µg/L	11	N/A	LT	11**	LT	11**	LT	11**	LT	11**	
Zinc	µg/L	21.1	N/A	LT	21.1**	LT	21.1**	LT	21.1**	LT	21.1**	

Table J-22. Data Summary Table: Equipment Rinsates
Deseret Chemical Depot-Tooele, Utah (Continued)

Site ID			SB-19-007D	SB-20-001B	SB-37-001A	SB-37-005A	SB-37-010B
Field Sample Number			SAICRB11	SAICRB03	SAICRB04	SAICRB05	SAICRB06
Site Type			RNSW	RNSW	RNSW	RNSW	RNSW
Collection Date			10/8/94	9/22/94	9/23/94	9/24/94	10/4/94
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/GCMS (µg/L)							
Laboratory ID Number			STSWA*32	N/A	N/A	N/A	N/A
Parameter	Units	CRL					
1,1,1-Trichloroethane	µg/L	0.5	LT 0.5*	N/A	N/A	N/A	N/A
1,1,2-Trichloroethane	µg/L	1.2	LT 1.2*	N/A	N/A	N/A	N/A
1,1-Dichloroethane	µg/L	0.5	LT 0.5*	N/A	N/A	N/A	N/A
1,1-Dichloroethane	µg/L	0.68	LT 0.68*	N/A	N/A	N/A	N/A
1,2-Dichloroethene	µg/L	0.5	LT 0.5*	N/A	N/A	N/A	N/A
1,2-Dichloroethane	µg/L	0.5	LT 0.5*	N/A	N/A	N/A	N/A
1,2-Dichloropropane	µg/L	0.5	LT 0.5*	N/A	N/A	N/A	N/A
cis-1,3-Dichloropropane	µg/L	0.58	LT 0.58*	N/A	N/A	N/A	N/A
Acetone	µg/L	13	LT 13*	N/A	N/A	N/A	N/A
Bromodichloromethane	µg/L	0.59	LT 0.59*	N/A	N/A	N/A	N/A
Vinyl Chloride	µg/L	2.6	LT 2.6*	N/A	N/A	N/A	N/A
Chloroethane	µg/L	1.9	LT 1.9*	N/A	N/A	N/A	N/A
Benzene	µg/L	0.5	LT 0.5*	N/A	N/A	N/A	N/A
Carbon Tetrachloride	µg/L	0.58	LT 0.58*	N/A	N/A	N/A	N/A
Methylene Chloride	µg/L	2.3	LT 2.3*	N/A	N/A	N/A	N/A
Bromomethane	µg/L	5.8	LT 5.8*	N/A	N/A	N/A	N/A
Chloromethane	µg/L	3.2	LT 3.2*	N/A	N/A	N/A	N/A
Bromoform	µg/L	2.6	LT 2.6*	N/A	N/A	N/A	N/A
Chloroform	µg/L	0.5	LT 0.5*	N/A	N/A	N/A	N/A
Chlorobenzene	µg/L	0.5	LT 0.5*	N/A	N/A	N/A	N/A
Dibromochloromethane	µg/L	0.67	LT 0.67*	N/A	N/A	N/A	N/A
Ethylbenzene	µg/L	0.5	LT 0.5*	N/A	N/A	N/A	N/A
Toluene	µg/L	0.5	LT 0.5*	N/A	N/A	N/A	N/A
Methylethylketone	µg/L	6.4	LT 6.4*	N/A	N/A	N/A	N/A
Methylisobutylketone	µg/L	3	LT 3*	N/A	N/A	N/A	N/A
1,1,2,2-Tetrachloroethane	µg/L	0.51	LT 0.51*	N/A	N/A	N/A	N/A
Tetrachloroethene	µg/L	1.6	LT 1.6*	N/A	N/A	N/A	N/A
Trichloroethene	µg/L	0.5	LT 0.5*	N/A	N/A	N/A	N/A
1,2-Dimethylbenzene	µg/L	0.84	LT 0.84*	N/A	N/A	N/A	N/A
Styrene	µg/L	0.5	LT 0.5*	N/A	N/A	N/A	N/A
2-Hexanone	µg/L	3.8	LT 3.8*	N/A	N/A	N/A	N/A
Carbon Disulfide	µg/L	0.5	LT 0.5*	N/A	N/A	N/A	N/A
Vinyl Acetate	µg/L	8.3	LT 8.3*	N/A	N/A	N/A	N/A
trans-1,3-Dichloropropane	µg/L	0.7	LT 0.7*	N/A	N/A	N/A	N/A
TICs	µg/L		0 (0.0)	N/A	N/A	N/A	N/A

Table J-22. Data Summary Table: Equipment Rinsates
Deseret Chemical Depot-Tooele, Utah (Continued)

Site ID			SB-19-007D		SB-20-001B		SB-37-001A		SB-37-005A		SB-37-010B	
Field Sample Number			SAICRB11		SAICRB03		SAICRB04		SAICRB05		SAICRB08	
Site Type			RNSW		RNSW		RNSW		RNSW		RNSW	
Collection Date			10/6/94		9/22/94		9/23/94		9/24/94		10/4/94	
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.												
SEMIVOLATILES/WATER/GCMS (µg/L)												
Laboratory ID Number			STSWA*32		STSWA*13		STSWA*14		STSWA*15		STSWA*25	
Parameter	Units	CRL										
1,2,4-Trichlorobenzene	µg/L	1.8	LT	1.8**	LT	1.8**	LT	1.8**	LT	1.8**	LT	1.8** N
1,2-Dichlorobenzene	µg/L	1.7	LT	1.7**	LT	1.7**	LT	1.7**	LT	1.7**	LT	1.7** N
1,3-Dichlorobenzene	µg/L	1.7	LT	1.7**	LT	1.7**	LT	1.7**	LT	1.7**	LT	1.7** N
1,4-Dichlorobenzene	µg/L	1.7	LT	1.7**	LT	1.7**	LT	1.7**	LT	1.7**	LT	1.7** N
2,4,5-Trichlorophenol	µg/L	5.2	LT	5.2**	LT	5.2**	LT	5.2**	LT	5.2**	LT	5.2** N
2,4,6-Trichlorophenol	µg/L	4.2	LT	4.2**	LT	4.2**	LT	4.2**	LT	4.2**	LT	4.2** N
2,4-Dichlorophenol	µg/L	2.9	LT	2.9**	LT	2.9**	LT	2.9**	LT	2.9**	LT	2.9** N
2,4-Dimethylphenol	µg/L	5.8	LT	5.8**	LT	5.8**	LT	5.8**	LT	5.8**	LT	5.8** N
2,4-Dinitrophenol	µg/L	21	LT	21**	LT	21**	LT	21**	LT	21**	LT	21** N
2,4-Dinitrotoluene	µg/L	4.5	LT	4.5**	LT	4.5**	LT	4.5**	LT	4.5**	LT	4.5** N
2,6-Dinitrotoluene	µg/L	0.79	LT	0.79**	LT	0.79**	LT	0.79**	LT	0.79**	LT	0.79** N
2-Chlorophenol	µg/L	0.99	LT	0.99**	LT	0.99**	LT	0.99**	LT	0.99**	LT	0.99** N
2-Chloronaphthalene	µg/L	0.5	LT	0.5**	LT	0.5**	LT	0.5**	LT	0.5**	LT	0.5** N
2-Methylnaphthalene	µg/L	1.7	LT	1.7**	LT	1.7**	LT	1.7**	LT	1.7**	LT	1.7** N
2-Methyl Phenol	µg/L	3.9	LT	3.9**	LT	3.9**	LT	3.9**	LT	3.9**	LT	3.9** N
2-Nitroaniline	µg/L	4.3	LT	4.3**	LT	4.3**	LT	4.3**	LT	4.3**	LT	4.3** N
2-Nitrophenol	µg/L	3.7	LT	3.7**	LT	3.7**	LT	3.7**	LT	3.7**	LT	3.7** N
3,3'-Dichlorobenzidine	µg/L	12	LT	12**	LT	12**	LT	12**	LT	12**	LT	12** N
3-Nitroaniline	µg/L	4.9	LT	4.9**	LT	4.9**	LT	4.9**	LT	4.9**	LT	4.9** N
4,6-Dinitro-2-cresol	µg/L	17	LT	17**	LT	17**	LT	17**	LT	17**	LT	17** N
4-Bromophenyl Phenyl Ether	µg/L	4.2	LT	4.2**	LT	4.2**	LT	4.2**	LT	4.2**	LT	4.2** N
4-Chloroaniline	µg/L	7.3	LT	7.3**	LT	7.3**	LT	7.3**	LT	7.3**	LT	7.3** N
4-Chloro-3-methylphenol	µg/L	4	LT	4**	LT	4**	LT	4**	LT	4**	LT	4** N
4-Chlorophenyl Phenyl Ether	µg/L	5.1	LT	5.1**	LT	5.1**	LT	5.1**	LT	5.1**	LT	5.1** N
4-Methyl Phenol	µg/L	0.52	LT	0.52**	LT	0.52**	LT	0.52**	LT	0.52**	LT	0.52** N
4-Nitroaniline	µg/L	5.2	LT	5.2**	LT	5.2**	LT	5.2**	LT	5.2**	LT	5.2** N
4-Nitrophenol	µg/L	12	LT	12**	LT	12**	LT	12**	LT	12**	LT	12** N
Acenaphthene	µg/L	1.7	LT	1.7**	LT	1.7**	LT	1.7**	LT	1.7**	LT	1.7** N
Acenaphthylene	µg/L	0.5	LT	0.5**	LT	0.5**	LT	0.5**	LT	0.5**	LT	0.5** N
Anthracene	µg/L	0.5	LT	0.5**	LT	0.5**	LT	0.5**	LT	0.5**	LT	0.5** N
bis(2-Chloroethoxy) Methane	µg/L	1.5	LT	1.5**	LT	1.5**	LT	1.5**	LT	1.5**	LT	1.5** N
bis(2-Chloroisopropyl) Ether	µg/L	5.3	LT	5.3**	LT	5.3**	LT	5.3**	LT	5.3**	LT	5.3** N
bis(2-Chloroethyl)ether	µg/L	1.9	LT	1.9**	LT	1.9**	LT	1.9**	LT	1.9**	LT	1.9** N
bis(2-Ethylhexyl)phthalate	µg/L	4.8	LT	4.8**	LT	4.8**	LT	4.8**	LT	4.8**	LT	4.8** N
Benzo(a)anthracene	µg/L	1.6	LT	1.6**	LT	1.6**	LT	1.6**	LT	1.6**	LT	1.6** N
Benzo(a)pyrene	µg/L	4.7	LT	4.7**	LT	4.7**	LT	4.7**	LT	4.7**	LT	4.7** N
Benzo(b)fluoranthene	µg/L	5.4	LT	5.4**	LT	5.4**	LT	5.4**	LT	5.4**	LT	5.4** N
Bulyl Benzyl Phthalate	µg/L	3.4	LT	3.4**	LT	3.4**	LT	3.4**	LT	3.4**	LT	3.4** N
Benzo(g,h,i)perylene	µg/L	6.1	LT	6.1**	LT	6.1**	LT	6.1**	LT	6.1**	LT	6.1** N
Benzo(k)fluoranthene	µg/L	0.87	LT	0.87**	LT	0.87**	LT	0.87**	LT	0.87**	LT	0.87** N

Table J-22. Data Summary Table: Equipment Rinsates
Deseret Chemical Depot-Tooele, Utah (Continued)

Site ID					SB-19-007D		SB-20-001B		SB-37-001A		SB-37-005A		SB-37-010B	
Field Sample Number					SAICRB11		SAICRB03		SAICRB04		SAICRB05		SAICRB08	
Site Type					RNSW		RNSW		RNSW		RNSW		RNSW	
Collection Date					10/8/94		9/22/94		9/23/94		9/24/94		10/4/94	
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.														
Benzyl Alcohol	µg/L	0.72	LT	0.72**	LT	0.72**	LT	0.72**	LT	0.72**	LT	0.72**		
Chrysene	µg/L	2.4	LT	2.4**	LT	2.4**	LT	2.4**	LT	2.4**	LT	2.4**	N	
Hexachlorobenzene	µg/L	1.6	LT	1.6**	LT	1.6**	LT	1.6**	LT	1.6**	LT	1.6**	N	
Hexachlorocyclopentadiene	µg/L	8.6	LT	8.6**	LT	8.6**	LT	8.6**	LT	8.6**	LT	8.6**	N	
Hexachloroethane	µg/L	1.5	LT	1.5**	LT	1.5**	LT	1.5**	LT	1.5**	LT	1.5**	N	
Dibenzo(a,h)anthracene	µg/L	6.5	LT	6.5**	LT	6.5**	LT	6.5**	LT	6.5**	LT	6.5**	N	
Dibenzofuran	µg/L	1.7	LT	1.7**	LT	1.7**	LT	1.7**	LT	1.7**	LT	1.7**	N	
Diethyl Phthalate	µg/L	2	LT	2**	LT	2**	LT	2**	LT	2**	LT	2**	N	
Dimethyl Phthalate	µg/L	1.5	LT	1.5**	LT	1.5**	LT	1.5**	LT	1.5**	LT	1.5**	N	
di-N-Butyl Phthalate	µg/L	3.7	LT	3.7**	LT	3.7**	LT	3.7**	LT	3.7**	LT	3.7**	N	
di-N-Octyl Phthalate	µg/L	15	LT	15**	LT	15**	LT	15**	LT	15**	LT	15**	N	
Fluoranthene	µg/L	3.3	LT	3.3**	LT	3.3**	LT	3.3**	LT	3.3**	LT	3.3**	N	
Fluorene	µg/L	3.7	LT	3.7**	LT	3.7**	LT	3.7**	LT	3.7**	LT	3.7**	N	
Hexachlorobutadiene	µg/L	3.4	LT	3.4**	LT	3.4**	LT	3.4**	LT	3.4**	LT	3.4**	N	
Indeno(1,2,3-cd)pyrene	µg/L	8.6	LT	8.6**	LT	8.6**	LT	8.6**	LT	8.6**	LT	8.6**	N	
Isophorone	µg/L	4.8	LT	4.8**	LT	4.8**	LT	4.8**	LT	4.8**	LT	4.8**	N	
Naphthalene	µg/L	0.5	LT	0.5**	LT	0.5**	LT	0.5**	LT	0.5**	LT	0.5**	N	
Nitrobenzene	µg/L	0.5	LT	0.5**	LT	0.5**	LT	0.5**	LT	0.5**	LT	0.5**	N	
N-Nitroso-di-N-propylamine	µg/L	4.4	LT	4.4**	LT	4.4**	LT	4.4**	LT	4.4**	LT	4.4**	N	
N-Nitrosodiphenylamine	µg/L	3	LT	3**	LT	3**	LT	3**	LT	3**	LT	3**	N	
Pentachlorophenol	µg/L	18	LT	18**	LT	18**	LT	18**	LT	18**	LT	18**	N	
Phenanthrene	µg/L	0.5	LT	0.5**	LT	0.5**	LT	0.5**	LT	0.5**	LT	0.5**	N	
Phenol	µg/L	9.2	LT	9.2**	LT	9.2**	LT	9.2**	LT	9.2**	LT	9.2**	N	
Pyrene	µg/L	2.8	LT	2.8**	LT	2.8**	LT	2.8**	LT	2.8**	LT	2.8**	N	
TICs	µg/L			1 (5.0)		0 (0.0)		0 (0.0)		3 (14.0)		1 (10.0)		

PCBs/WATER/GCEC (µg/L)

Laboratory ID Number			STSWA*32		STSWA*13		STSWA*14		STSWA*15		STSWA*25	
Parameter	Units	CRL										
PCB-1016	µg/L	0.16	LT	0.16**	LT	0.16**	LT	0.16**	LT	0.16**	LT	0.16**
PCB-1260	µg/L	0.19	LT	0.19**	LT	0.19**	LT	0.19**	LT	0.19**	LT	0.19**
PCB-1221*	µg/L	0.16	ND	0.16** T	ND	0.16** T	ND	0.16** T	ND	0.16** T	ND	0.16** T
PCB-1232*	µg/L	0.16	ND	0.16** T	ND	0.16** T	ND	0.16** T	ND	0.16** T	ND	0.16** T
PCB-1242*	µg/L	0.19	ND	0.19** T	ND	0.19** T	ND	0.19** T	ND	0.19** T	ND	0.19** T
PCB-1248*	µg/L	0.19	ND	0.19** T	ND	0.19** T	ND	0.19** T	ND	0.19** T	ND	0.19** T
PCB-1254*	µg/L	0.19	ND	0.19** T	ND	0.19** T	ND	0.19** T	ND	0.19** T	ND	0.19** T

Table J-22. Data Summary Table: Equipment Rinsates
Deseret Chemical Depot-Tooele, Utah (Continued)

Site ID			SB-19-007D			SB-20-001B			SB-37-001A			SB-37-005A			SB-37-010B	
Field Sample Number			SAICRB11			SAICRB03			SAICRB04			SAICRB05			SAICRB08	
Site Type			RNSW			RNSW			RNSW			RNSW			RNSW	
Collection Date			10/8/94			9/22/94			9/23/94			9/24/94			10/4/94	
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.																
ORGANICS/WATER/IC (µg/L)																
Laboratory ID Number			N/A			STSWA*13			STSWA*14			N/A			N/A	
Parameter	Units	CRL														
Fluoroacetic acid	µg/L	25	N/A			LT	25**		LT	25**		N/A			N/A	
Isopropyl methylphosphonate	µg/L	25	N/A			LT	25**		LT	25**		N/A			N/A	
Methylphosphonic acid	µg/L	50	N/A			LT	50**		LT	50**		N/A			N/A	
ORGANOSULFURS/WATER/HPLC (µg/L)																
Laboratory ID Number			N/A			STSWA*13			STSWA*14			N/A			N/A	
Parameter	Units	CRL														
Thiodiglycol	µg/L	48.8	N/A			LT	48.8**	J	LT	48.8**	J	N/A			N/A	
EXPLOSIVES/WATER/HPLC (µg/L)																
Laboratory ID Number			N/A			N/A			N/A							
Parameter	Units	CRL														
1,3,5-Trinitrobenzene	µg/L	0.449	N/A			N/A			N/A							
1,3-Dinitrobenzene	µg/L	0.611	N/A			N/A			N/A							
2,4,6-Trinitrotoluene	µg/L	0.635	N/A			N/A			N/A							
2,4-Dinitrotoluene	µg/L	0.0637	N/A			N/A			N/A							
2,6-Dinitrotoluene	µg/L	0.0738	N/A			N/A			N/A							
Cyclotetramethylenetetranitra	µg/L	1.21	N/A			N/A			N/A			LT	1.21**		LT	1.21**
Nitrobenzene	µg/L	0.645	N/A			N/A			N/A			LT	0.645**		LT	0.645**
Hexahydro-1,3,5-trinitro-1,3,	µg/L	1.17	N/A			N/A			N/A			LT	1.17**		LT	1.17**
N-methyl-N,2,4,6-tetranitroan	µg/L	2.48	N/A			N/A			N/A			LT	1.56**		LT	1.56**

Table J-22. Data Summary Table: Equipment Rinsates
Deseret Chemical Depot-Tooele, Utah (Continued)

Site ID			SS-33-002			SS-33-004		TP-33-008D	
Field Sample Number			SAICRB01			SAICRB02		SAICRB10	
Site Type			RNSW			RNSW		RNSW	
Collection Date			9/20/94			9/21/94		10/7/94	
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.									
METALS/WATER/GFAA (µg/L)									
Laboratory ID Number			STSWA*11			STSWA*12		STSWA*33	
Parameter	Units	CRL							
Arsenic	µg/L	2.54	LT	2.54*		LT 2.54*		LT 2.54**	
Lead	µg/L	1.26	LT	1.26**		LT 1.26**		LT 1.26**	
Selenium	µg/L	3.02	LT	3.02**		LT 3.02**		LT 3.02**	
METALS/WATER/CVAA (µg/L)									
Laboratory ID Number			STSWA*11			STSWA*12		STSWA*33	
Parameter	Units	CRL							
Mercury	µg/L	0.243	LT	0.243**		LT 0.243**		2.09**	
CYANIDE/WATER/TECHNICON (µg/L)									
Laboratory ID Number			STSWA*11			STSWA*12		STSWA*33	
Parameter	Units	CRL							
Cyanide	µg/L	2.5	LT	2.5**		LT 2.5**		LT 2.5**	
METALS/WATER/ICP (µg/L)									
Laboratory ID Number			STSWA*11			STSWA*12		STSWA*33	
Parameter	Units	CRL							
Silver	µg/L	4.6	LT	4.6**		LT 4.6**		LT 4.6**	
Aluminum	µg/L	141	LT	141**		LT 141**		LT 141**	
Barium	µg/L	5	LT	5**		LT 5**		LT 5**	
Beryllium	µg/L	5	LT	5**		LT 5**		LT 5**	
Calcium	µg/L	500	LT	500**		LT 500**		LT 500**	
Cadmium	µg/L	4.01	LT	4.01**		LT 4.01**		LT 4.01**	
Cobalt	µg/L	25	LT	25**		LT 25**		LT 25**	
Chromium	µg/L	6.02	LT	6.02**		LT 6.02**		LT 6.02**	
Copper	µg/L	8.09	LT	8.09**		LT 8.09**		28.5**	
Iron	µg/L	500	LT	38.8**		LT 38.8**		LT 38.8**	
Potassium	µg/L	375	LT	375**		LT 375**		LT 375**	
Magnesium	µg/L	500	LT	500**		LT 500**		LT 500**	
Manganese	µg/L	2.75	LT	2.75**		LT 2.75**		LT 2.75**	
Sodium	µg/L	500	LT	500**		LT 500**		LT 500**	
Nickel	µg/L	34.3	LT	34.3**		LT 34.3**		LT 34.3**	
Antimony	µg/L	38	LT	38**		LT 38**		LT 38**	
Thallium	µg/L	81.4	LT	81.4**		LT 81.4**		LT 81.4**	
Vanadium	µg/L	11	LT	11**		LT 11**		LT 11**	
Zinc	µg/L	21.1	LT	21.1**		LT 21.1**		LT 21.1**	

Table J-22. Data Summary Table: Equipment Rinsates
Deseret Chemical Depot-Tooele, Utah (Continued)

Site ID		SS-33-002	SS-33-004	TP-33-006D		
Field Sample Number		SAICRB01	SAICRB02	SAICRB10		
Site Type		RNSW	RNSW	RNSW		
Collection Date		9/20/94	9/21/94	10/7/94		
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/GCMS (µg/L)						
Laboratory ID Number		N/A	N/A	STSWA*33		
Parameter	Units	CRL				
1,1,1-Trichloroethane	µg/L	0.5	N/A	N/A	LT	0.5*
1,1,2-Trichloroethane	µg/L	1.2	N/A	N/A	LT	1.2*
1,1-Dichloroethene	µg/L	0.5	N/A	N/A	LT	0.5*
1,1-Dichloroethane	µg/L	0.68	N/A	N/A	LT	0.68*
1,2-Dichloroethene	µg/L	0.5	N/A	N/A	LT	0.5*
1,2-Dichloroethane	µg/L	0.5	N/A	N/A	LT	0.5*
1,2-Dichloropropane	µg/L	0.5	N/A	N/A	LT	0.5*
cis-1,3-Dichloropropane	µg/L	0.58	N/A	N/A	LT	0.58*
Acetone	µg/L	13	N/A	N/A	LT	13*
Bromodichloromethane	µg/L	0.59	N/A	N/A	LT	0.59*
Vinyl Chloride	µg/L	2.6	N/A	N/A	LT	2.6*
Chloroethane	µg/L	1.9	N/A	N/A	LT	1.9*
Benzene	µg/L	0.5	N/A	N/A	LT	0.5*
Carbon Tetrachloride	µg/L	0.58	N/A	N/A	LT	0.58*
Methylene Chloride	µg/L	2.3	N/A	N/A	LT	2.3*
Bromomethane	µg/L	5.8	N/A	N/A	LT	5.8*
Chloromethane	µg/L	3.2	N/A	N/A	LT	3.2*
Bromoform	µg/L	2.6	N/A	N/A	LT	2.6*
Chloroform	µg/L	0.5	N/A	N/A	LT	0.5*
Chlorobenzene	µg/L	0.5	N/A	N/A	LT	0.5*
Dibromochloromethane	µg/L	0.67	N/A	N/A	LT	0.67*
Ethylbenzene	µg/L	0.5	N/A	N/A	LT	0.5*
Toluene	µg/L	0.5	N/A	N/A	LT	0.5*
Methylethylketone	µg/L	6.4	N/A	N/A	LT	6.4*
Methylisobutylketone	µg/L	3	N/A	N/A	LT	3*
1,1,2,2-Tetrachloroethane	µg/L	0.51	N/A	N/A	LT	0.51*
Tetrachloroethene	µg/L	1.6	N/A	N/A	LT	1.6*
Trichloroethene	µg/L	0.5	N/A	N/A	LT	0.5*
1,2-Dimethylbenzene	µg/L	0.84	N/A	N/A	LT	0.84*
Styrene	µg/L	0.5	N/A	N/A	LT	0.5*
2-Hexanone	µg/L	3.6	N/A	N/A	LT	3.6*
Carbon Disulfide	µg/L	0.5	N/A	N/A	LT	0.5*
Vinyl Acetate	µg/L	8.3	N/A	N/A	LT	8.3*
trans-1,3-Dichloropropane	µg/L	0.7	N/A	N/A	LT	0.7*
TICs	µg/L		N/A	N/A		0 (0.0)

Table J-22. Data Summary Table: Equipment Rinsates
Deseret Chemical Depot-Tooele, Utah (Continued)

Site ID			SS-33-002	SS-33-004	TP-33-006D	
Field Sample Number			SAICRB01	SAICRB02	SAICRB10	
Site Type			RNSW	RNSW	RNSW	
Collection Date			9/20/94	9/21/94	10/7/94	
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.						
SEMIVOLATILES/WATER/GCMS (µg/L)						
Laboratory ID Number			N/A	N/A	STSWA*33	
Parameter	Units	CRL				
1,2,4-Trichlorobenzene	µg/L	1.8	N/A	N/A	LT	1.8**
1,2-Dichlorobenzene	µg/L	1.7	N/A	N/A	LT	1.7**
1,3-Dichlorobenzene	µg/L	1.7	N/A	N/A	LT	1.7**
1,4-Dichlorobenzene	µg/L	1.7	N/A	N/A	LT	1.7**
2,4,5-Trichlorophenol	µg/L	5.2	N/A	N/A	LT	5.2**
2,4,6-Trichlorophenol	µg/L	4.2	N/A	N/A	LT	4.2**
2,4-Dichlorophenol	µg/L	2.9	N/A	N/A	LT	2.9**
2,4-Dimethylphenol	µg/L	5.8	N/A	N/A	LT	5.8**
2,4-Dinitrophenol	µg/L	21	N/A	N/A	LT	21**
2,4-Dinitrotoluene	µg/L	4.5	N/A	N/A	LT	4.5**
2,6-Dinitrotoluene	µg/L	0.79	N/A	N/A	LT	0.79**
2-Chlorophenol	µg/L	0.99	N/A	N/A	LT	0.99**
2-Chloronaphthalene	µg/L	0.5	N/A	N/A	LT	0.5**
2-Methylnaphthalene	µg/L	1.7	N/A	N/A	LT	1.7**
2-Methyl Phenol	µg/L	3.9	N/A	N/A	LT	3.9**
2-Nitroaniline	µg/L	4.3	N/A	N/A	LT	4.3**
2-Nitrophenol	µg/L	3.7	N/A	N/A	LT	3.7**
3,3'-Dichlorobenzidine	µg/L	12	N/A	N/A	LT	12**
3-Nitroaniline	µg/L	4.9	N/A	N/A	LT	4.9**
4,6-Dinitro-2-cresol	µg/L	17	N/A	N/A	LT	17**
4-Bromophenyl Phenyl Ether	µg/L	4.2	N/A	N/A	LT	4.2**
4-Chloroaniline	µg/L	7.3	N/A	N/A	LT	7.3**
4-Chloro-3-methylphenol	µg/L	4	N/A	N/A	LT	4**
4-Chlorophenyl Phenyl Ether	µg/L	5.1	N/A	N/A	LT	5.1**
4-Methyl Phenol	µg/L	0.52	N/A	N/A	LT	0.52**
4-Nitroaniline	µg/L	5.2	N/A	N/A	LT	5.2**
4-Nitrophenol	µg/L	12	N/A	N/A	LT	12**
Acenaphthene	µg/L	1.7	N/A	N/A	LT	1.7**
Acenaphthylene	µg/L	0.5	N/A	N/A	LT	0.5**
Anthracene	µg/L	0.5	N/A	N/A	LT	0.5**
bis(2-Chloroethoxy) Methane	µg/L	1.5	N/A	N/A	LT	1.5**
bis(2-Chloroisopropyl) Ether	µg/L	5.3	N/A	N/A	LT	5.3**
bis(2-Chloroethyl)ether	µg/L	1.9	N/A	N/A	LT	1.9**
bis(2-Ethylhexyl)phthalate	µg/L	4.8	N/A	N/A	LT	4.8**
Benzo(a)anthracene	µg/L	1.6	N/A	N/A	LT	1.6**
Benzo(a)pyrene	µg/L	4.7	N/A	N/A	LT	4.7**
Benzo(b)fluoranthene	µg/L	5.4	N/A	N/A	LT	5.4**
Butyl Benzyl Phthalate	µg/L	3.4	N/A	N/A	LT	3.4**
Benzo(g,h,i)perylene	µg/L	6.1	N/A	N/A	LT	6.1**
Benzo(k)fluoranthene	µg/L	0.87	N/A	N/A	LT	0.87**

Table J-22. Data Summary Table: Equipment Rinsates
Deseret Chemical Depot-Tooele, Utah (Continued)

Site ID			SS-33-002	SS-33-004	TP-33-006D	
Field Sample Number			SAICRB01	SAICRB02	SAICRB10	
Site Type			RNSW	RNSW	RNSW	
Collection Date			9/20/94	9/21/94	10/7/94	
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.						
Benzyl Alcohol	µg/L	0.72	N/A	N/A	LT	0.72**
Chrysene	µg/L	2.4	N/A	N/A	LT	2.4**
Hexachlorobenzene	µg/L	1.6	N/A	N/A	LT	1.6**
Hexachlorocyclopentadiene	µg/L	8.6	N/A	N/A	LT	8.6**
Hexachloroethane	µg/L	1.5	N/A	N/A	LT	1.5**
Dibenzo(a,h)anthracene	µg/L	6.5	N/A	N/A	LT	6.5**
Dibenzofuran	µg/L	1.7	N/A	N/A	LT	1.7**
Diethyl Phthalate	µg/L	2	N/A	N/A	LT	2**
Dimethyl Phthalate	µg/L	1.5	N/A	N/A	LT	1.5**
di-N-Butyl Phthalate	µg/L	3.7	N/A	N/A	LT	3.7**
di-N-Octyl Phthalate	µg/L	15	N/A	N/A	LT	15**
Fluoranthene	µg/L	3.3	N/A	N/A	LT	3.3**
Fluorene	µg/L	3.7	N/A	N/A	LT	3.7**
Hexachlorobutadiene	µg/L	3.4	N/A	N/A	LT	3.4**
Indeno(1,2,3-cd)pyrene	µg/L	8.6	N/A	N/A	LT	8.6**
Isophorone	µg/L	4.8	N/A	N/A	LT	4.8**
Naphthalene	µg/L	0.5	N/A	N/A	LT	0.5**
Nitrobenzene	µg/L	0.5	N/A	N/A	LT	0.5**
N-Nitroso-di-N-propylamine	µg/L	4.4	N/A	N/A	LT	4.4**
N-Nitrosodiphenylamine	µg/L	3	N/A	N/A	LT	3**
Pentachlorophenol	µg/L	18	N/A	N/A	LT	18**
Phenanthrene	µg/L	0.5	N/A	N/A	LT	0.5**
Phenol	µg/L	9.2	N/A	N/A	LT	9.2**
Pyrene	µg/L	2.8	N/A	N/A	LT	2.8**
TICs	µg/L		N/A	N/A		0 (0.0)

PCBs/WATER/GCEC (µg/L)

Laboratory ID Number			N/A	N/A		
Parameter	Units	CRL			STSWA*33	
PCB-1016	µg/L	0.16	N/A	N/A	LT	0.16**
PCB-1260	µg/L	0.19	N/A	N/A	LT	0.19**
PCB-1221*	µg/L	0.16	N/A	N/A	ND	0.16** T
PCB-1232*	µg/L	0.16	N/A	N/A	ND	0.16** T
PCB-1242*	µg/L	0.19	N/A	N/A	ND	0.19** T
PCB-1248*	µg/L	0.19	N/A	N/A	ND	0.19** T
PCB-1254*	µg/L	0.19	N/A	N/A	ND	0.19** T

Table J-22. Data Summary Table: Equipment Rinsates
Deseret Chemical Depot-Tooele, Utah (Continued)

Site ID			SS-33-002			SS-33-004			TP-33-006D			
Field Sample Number			SAICRB01			SAICRB02			SAICRB10			
Site Type			RNSW			RNSW			RNSW			
Collection Date			9/20/94			9/21/94			10/7/94			
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.												
ORGANICS/WATER/IC (µg/L)												
Laboratory ID Number			STSWA*11			STSWA*12			STSWA*33			
Parameter	Units	CRL										
Fluoroacetic acid	µg/L	25	LT	25**		LT	25**		LT	25**		
Isopropyl methylphosphonate	µg/L	25	LT	25**		LT	25**		LT	25**		
Methylphosphonic acid	µg/L	50	LT	50**		LT	50**		LT	50**		
ORGANOSULFURS/WATER/HPLC (µg/L)												
Laboratory ID Number			STSWA*11			STSWA*12			STSWA*33			
Parameter	Units	CRL										
Thiodiglycol	µg/L	48.8	LT	48.8**	J	LT	48.8**	J	LT	48.8**	JR	
EXPLOSIVES/WATER/HPLC (µg/L)												
Laboratory ID Number			N/A			N/A						
Parameter	Units	CRL										
1,3,5-Trinitrobenzene	µg/L	0.449	N/A			N/A						
1,3-Dinitrobenzene	µg/L	0.611	N/A			N/A						
2,4,6-Trinitrotoluene	µg/L	0.635	N/A			N/A						
2,4-Dinitrotoluene	µg/L	0.0837	N/A			N/A						
2,6-Dinitrotoluene	µg/L	0.0736	N/A			N/A						
Cyclotetramethylenetetranitra	µg/L	1.21	N/A			N/A			LT	1.21**		
Nitrobenzene	µg/L	0.645	N/A			N/A			LT	0.645**		
Hexahydro-1,3,5-trinitro-1,3,	µg/L	1.17	N/A			N/A			LT	1.17**		
N-methyl-N,2,4,6-tetranitroan	µg/L	2.48	N/A			N/A			LT	1.56**		

Table J-23. Data Validation Flag Codes and Qualifiers
Phase IIA RFI, Despot, Tooele, Utah

Site ID	Site Type	Field Sample	Target Compound	Method	Matrix	Flag Reason	Flags and Qualifiers
DI98-01	FBLK	SAIC01	B2EHP	UM18	WA	6	B+
DI98-01	FBLK	SAIC01D	B2EHP	UM18	WA	6	B+
DI98-01	FBLK	SAIC01	CN	TF18	WA	11	S
DI98-01	FBLK	SAIC01D	CN	TF18	WA	11	S
S-113-94	RNSW	SAICRB01	DNBP	UM18	WA	6	B+
S-113-94	RNSW	SAICRB01	B2EHP	UM18	WA	6	B+
S-113-94	WELL	SAIC01	DMP	UM18	WA	8	G+
S-113-94	WELL	SAIC01	B2EHP	UM18	WA	8,27,6	G+,T+,B+
S-113-94	WELL	SAIC01D	DMP	UM18	WA	8	G+
S-113-94	WELL	SAIC01D	B2EHP	UM18	WA	6,8,27	G+, B+, T+
S-114-94	WELL	SAIC01	DMP	UM18	WA	8	G+
S-114-94	WELL	SAIC01	B2EHP	UM18	WA	6,8,27	B+,G+, T+
S-115-94	WELL	SAIC01	DMP	UM18	WA	8	G+
S-115-94	WELL	SAIC01	B2EHP	UM18	WA	6,8,27	B+,G+,T+
S-116-94	RNSW	SAICRB03	B2EHP	UM18	WA	6	B+
S-116-94	WELL	SAIC01	DMP	UM18	WA	8	G+
S-116-94	WELL	SAIC01	B2EHP	UM18	WA	6,8,27	B+,G+,T+
S-116-94	RNSW	SAICRB03	CN	TF18	WA	11	S
S-3	WELL	SAIC01	B2EHP	UM18	WA	6,8,27	B+,G+,T+
S-3	WELL	SAIC01	DMP	UM18	WA	8	G+
S-3	WELL	SAIC01	CN	TF18	WA	11	S
S-3	WELL	SAIC01D	CN	TF18	WA	11	S
S-3	WELL	SAIC01	NG	UW19	WA	27	T+
S-3	WELL	SAIC01	PETN	UW19	WA	8	G+
S-3	WELL	SAIC01D	PETN	UW19	WA	8	G+
S-3	WELL	SAIC01D	NG	UW19	WA	27	T+
S-3	WELL	SAIC01	AL	SS18	WA	6	B+
S-3	WELL	SAIC01D	AL	SS18	WA	6	B+
S-3	WELL	SAIC01	SE	SS18	WA	20	S
S-3	WELL	SAIC01D	SE	SS18	WA	20	S
S-45-90	WELL	SAIC01	DMP	UM18	WA	8	G+
S-45-90	WELL	SAIC01	B2EHP	UM18	WA	6,8,27	B+,G+,T+
S-45-90	WELL	SAIC01	TETRYL	8330	WA	6	B+
S-45-90	WELL	SAIC01	CN	TF18	WA	11	S
S-45-90	WELL	SAIC01	AL	SS18	WA	6	B+
S-45-90	WELL	SAIC01	SE	SS18	WA	20	S
S-45-90	WELL	SAIC01	DNBP	UM18	WA	6	B+
S-46-90	WELL	SAIC01	TETRYL	8330	WA	6	B+
S-46-90	WELL	SAIC01	CN	TF18	WA	11	S
S-46-90	WELL	SAIC01	NG	UW19	WA	27	T+
S-46-90	WELL	SAIC01	PETN	UW19	WA	8	G+
S-46-90	WELL	SAIC01	AL	SS18	WA	6	B+
S-46-90	WELL	SAIC01	SE	SS18	WA	20	S
S-46-90	WELL	SAIC01	DMP	UM18	WA	8	G+
S-46-90	WELL	SAIC01	B2EHP	UM18	WA	6,8,27	B+,G+,T+
S-74-90	WELL	SAIC01	DMP	UM18	WA	8	G+
S-74-90	WELL	SAIC01	B2EHP	UM18	WA	6,8,27	B+,G+,T+
S-74-90	WELL	SAIC01	CN	TF18	WA	11	S
S-74-90	WELL	SAIC01	AL	SS18	WA	6	B+
S-74-90	WELL	SAIC01	SE	SS18	WA	20	S
S-75-90	WELL	SAIC01	DMP	UM18	WA	8	G+
S-75-90	WELL	SAIC01	B2EHP	UM18	WA	6,8,27	B+,G+,T+
S-75-90	RNSW	SAICRB04	B2EHP	UM18	WA	6	B+
S-75-90	WELL	SAIC01	TETRYL	8330	WA	6	B+

Table J-23. Data Validation Flag Codes and Qualifiers
Phase IIA RFI, Despot, Tooele, Utah

Site ID	Site Type	Field Sample	Target Compound	Method	Matrix	Flag Reason	Flags and Qualifiers
S-75-90	WELL	SAIC01	CN	TF18	WA	11	S
S-75-90	RNSW	SAICRB04	CN	TF18	WA	11	S
S-75-90	WELL	SAIC01	SE	SS18	WA	20	S
SB-33A-11	BORE	SAIC02	NA	6010	SO	8	U
SB-33A-11	BORE	SAIC03	NA	6010	SO	8	U
SB-33A-13	BORE	SAIC02	NA	6010	SO	8	U
SB-33A-13	BORE	SAIC03	NA	6010	SO	8	U
SB-33A-13	BORE	SAIC04	NA	6010	SO	8	U
SB-33A-13	BORE	SAIC05	NA	6010	SO	8	U
SB-33A-14	BORE	SAIC02	NA	6010	SO	8	U
SB-33A-14	BORE	SAIC03	NA	6010	SO	8	U
SB-33A-15	BORE	SAIC02	NA	6010	SO	8	U
SB-33A-15	BORE	SAIC03	NA	6010	SO	8	U
SB-33A-16	BORE	SAIC02	NA	6010	SO	8	U
SB-33A-16	BORE	SAIC03	NA	6010	SO	8	U
SB-33A-16	BORE	SAIC04	NA	6010	SO	8	U
SB-33A-16	BORE	SAIC05	NA	6010	SO	8	U
SB-33A-17	BORE	SAIC01	CU	6010	SO	6	U
SB-33A-17	BORE	SAIC02	NA	6010	SO	8	U
SB-33A-17	BORE	SAIC03	NA	6010	SO	8	U
SB-33A-17	BORE	SAIC04	NA	6010	SO	8	U
SB-33A-17	BORE	SAIC05	NA	6010	SO	8	U
SB-33A-18	BORE	SAIC01D	CU	6010	SO	6	U
SB-33A-18	BORE	SAIC03	NA	6010	SO	8	U
SB-33A-18	BORE	SAIC04	NA	6010	SO	8	U
SB-33A-18	BORE	SAIC05	NA	6010	SO	8	U
SB-33A-19	BORE	SAIC02	NA	6010	SO	8	U
SB-33A-19	BORE	SAIC03	NA	6010	SO	8	U
SB-33A-19	BORE	SAIC03D	NA	6010	SO	8	U
SB-33A-20	BORE	SAIC03	ZN	6010	SO	24	J
SB-33A-20	BORE	SAIC03	SB	6010	SO	20	R
SB-33A-20	BORE	SAIC02	SB	6010	SO	20	R
SB-33A-20	BORE	SAIC02	ZN	6010	SO	24	J
SB-33A-21	BORE	SAIC02	SB	6010	SO	20	R
SB-33A-21	BORE	SAIC02	ZN	6010	SO	24	J
SB-33A-21	BORE	SAIC03	SB	6010	SO	20	R
SB-33A-21	BORE	SAIC03	ZN	6010	SO	24	J
SB-33A-21	BORE	SAIC04	ZN	6010	SO	24	J
SB-33A-21	BORE	SAIC04	SB	6010	SO	20	R
SB-33A-21	BORE	SAIC05	ZN	6010	SO	24	J
SB-33A-21	BORE	SAIC05	SB	6010	SO	20	R
SB-33A-22	BORE	SAIC03	NA	6010	SO	8	U
SB-33A-22	BORE	SAIC04	NA	6010	SO	8	U
SB-33A-22	BORE	SAIC05	NA	6010	SO	8	U
SB-33A-23	BORE	SAIC02	SB	6010	SO	20	R
SB-33A-23	BORE	SAIC02	ZN	6010	SO	24	J
SB-33A-23	BORE	SAIC03	ZN	6010	SO	24	J
SB-33A-23	BORE	SAIC03	SB	6010	SO	20	R
SB-33A-23	BORE	SAIC04	SB	6010	SO	20	R
SB-33A-23	BORE	SAIC04	ZN	6010	SO	24	J
SB-33A-23	BORE	SAIC05	ZN	6010	SO	24	J
SB-33A-23	BORE	SAIC05	SB	6010	SO	20	R
SB-33A-24	BORE	SAIC03	SB	6010	SO	20	UJ
SB-33A-24	BORE	SAIC03	BA	6010	SO	24	J

Table J-23. Data Validation Flag Codes and Qualifiers
Phase IIA RFI, Despot, Tooele, Utah

Site ID	Site Type	Field Sample	Target Compound	Method	Matrix	Flag Reason	Flags and Qualifiers
SB-33A-24	BORE	SAIC03	FE	6010	SO	24	J
SB-33A-24	BORE	SAIC03	MN	6010	SO	24	J
SB-33A-24	BORE	SAIC03	NA	6010	SO	8	U
SB-33A-24	BORE	SAIC03	ZN	6010	SO	24	J
SB-33A-24	BORE	SAIC04	SB	6010	SO	20	UJ
SB-33A-24	BORE	SAIC04	BA	6010	SO	24	J
SB-33A-24	BORE	SAIC04	FE	6010	SO	24	J
SB-33A-24	BORE	SAIC04	MN	6010	SO	24	J
SB-33A-24	BORE	SAIC04	ZN	6010	SO	24	J
SB-33A-24	BORE	SAIC04	NA	6010	SO	8	U
SB-33A-24	BORE	SAIC05	SB	6010	SO	20	UJ
SB-33A-24	BORE	SAIC05	BA	6010	SO	24	J
SB-33A-24	BORE	SAIC05	FE	6010	SO	24	J
SB-33A-24	BORE	SAIC05	MN	6010	SO	24	J
SB-33A-24	BORE	SAIC05	NA	6010	SO	8	U
SB-33A-24	BORE	SAIC05	ZN	6010	SO	24	J
SB-33A-25	BORE	SAIC02	SB	6010	SO	20	J
SB-33A-25	BORE	SAIC02	ZN	6010	SO	24	J
SB-33A-25	BORE	SAIC03	ZN	6010	SO	24	J
SB-33A-25	BORE	SAIC03	SB	6010	SO	20	R
SB-33A-25	BORE	SAIC04	SB	6010	SO	20	R
SB-33A-25	BORE	SAIC04	ZN	6010	SO	24	J
SB-33A-26	BORE	SAIC02	ZN	6010	SO	24	J
SB-33A-26	BORE	SAIC02	SB	6010	SO	20	R
SB-33A-26	BORE	SAIC03	SB	6010	SO	20	R
SB-33A-26	BORE	SAIC03	ZN	6010	SO	24	J
SB-33A-26	BORE	SAIC04	ZN	6010	SO	24	J
SB-33A-26	BORE	SAIC04	SB	6010	SO	20	R
SB-33A-26	BORE	SAIC05	SB	6010	SO	20	J
SB-33A-26	BORE	SAIC05	ZN	6010	SO	24	J
SB-33A-27	BORE	SAIC02	ZN	6010	SO	24	J
SB-33A-27	BORE	SAIC02	SB	6010	SO	20	J
SB-33A-27	BORE	SAIC03	ZN	6010	SO	24	J
SB-33A-27	BORE	SAIC03	SB	6010	SO	20	R
SB-33A-27	BORE	SAIC04	SB	6010	SO	20	R
SB-33A-27	BORE	SAIC04	ZN	6010	SO	24	J
SB-33A-28	BORE	SAIC02	SB	6010	SO	20	UJ
SB-33A-28	BORE	SAIC02	BA	6010	SO	24	J
SB-33A-28	BORE	SAIC02	FE	6010	SO	24	J
SB-33A-28	BORE	SAIC02	MN	6010	SO	24	J
SB-33A-28	BORE	SAIC02	ZN	6010	SO	24	J
SB-33A-28	BORE	SAIC03	SB	6010	SO	20	UJ
SB-33A-28	BORE	SAIC03	BA	6010	SO	24	J
SB-33A-28	BORE	SAIC03	FE	6010	SO	24	J
SB-33A-28	BORE	SAIC03	MN	6010	SO	24	J
SB-33A-28	BORE	SAIC03	ZN	6010	SO	24	J
SB-33A-28	BORE	SAIC04	SB	6010	SO	20	UJ
SB-33A-28	BORE	SAIC04	BA	6010	SO	24	J
SB-33A-28	BORE	SAIC04	FE	6010	SO	24	J
SB-33A-28	BORE	SAIC04	MN	6010	SO	24	J
SB-33A-28	BORE	SAIC04	ZN	6010	SO	24	J
SB-33A-28	BORE	SAIC05	SB	6010	SO	20	UJ
SB-33A-28	BORE	SAIC05	BA	6010	SO	24	J
SB-33A-28	BORE	SAIC05	FE	6010	SO	24	J

Table J-23. Data Validation Flag Codes and Qualifiers
Phase IIA RFI, Despot, Tooele, Utah

Site ID	Site Type	Field Sample	Target Compound	Method	Matrix	Flag Reason	Flags and Qualifiers
SB-33A-28	BORE	SAIC05	MN	6010	SO	24	J
SB-33A-28	BORE	SAIC05	ZN	6010	SO	24	J
SB-37-11	BORE	SAIC01	HG	7471	SO	8	U
SB-37-12	BORE	SAIC03	SB	6010	SO	20	R
SB-37-12	BORE	SAIC03	BA	6010	SO	20	J
SB-37-12	BORE	SAIC03	CR	6010	SO	24	J
SB-37-12	BORE	SAIC03	CU	6010	SO	19	J
SB-37-12	BORE	SAIC03	NI	6010	SO	19	J
SB-37-13	BORE	SAIC03	SB	6010	SO	20	R
SB-37-13	BORE	SAIC03	BA	6010	SO	20	J
SB-37-13	BORE	SAIC03	CR	6010	SO	24	J
SB-37-13	BORE	SAIC03	CU	6010	SO	19	J
SB-37-13	BORE	SAIC03	NI	6010	SO	19	J
SB-37-14	BORE	SAIC03	SB	6010	SO	20	R
SB-37-14	BORE	SAIC03	BA	6010	SO	20	J
SB-37-14	BORE	SAIC03	CR	6010	SO	24	J
SB-37-14	BORE	SAIC03	CU	6010	SO	19	J
SB-37-14	BORE	SAIC03	NI	6010	SO	19	J
SB-37-15	BORE	SAIC03	SB	6010	SO	20	J
SB-37-15	BORE	SAIC03	BA	6010	SO	20	J
SB-37-15	BORE	SAIC03	CR	6010	SO	24	J
SB-37-15	BORE	SAIC03	CU	6010	SO	19	J
SB-37-15	BORE	SAIC03	NI	6010	SO	19	J
SB-37-15	BORE	SAIC03D	SB	6010	SO	20	R
SB-37-15	BORE	SAIC03D	BA	6010	SO	20	J
SB-37-15	BORE	SAIC03D	CR	6010	SO	24	J
SB-37-15	BORE	SAIC03D	CU	6010	SO	19	J
SB-37-15	BORE	SAIC03D	NI	6010	SO	19	J
SB-37-15	BORE	SAIC02	SB	6010	SO	20	R
SB-37-15	BORE	SAIC02	BA	6010	SO	20	J
SB-37-15	BORE	SAIC02	CR	6010	SO	24	J
SB-37-15	BORE	SAIC02	CU	6010	SO	19	J
SB-37-15	BORE	SAIC02	NI	6010	SO	19	J
SB-37-16	BORE	SAIC03	SB	6010	SO	20	J
SB-37-16	BORE	SAIC03	BA	6010	SO	20	J
SB-37-16	BORE	SAIC03	CR	6010	SO	24	J
SB-37-16	BORE	SAIC03	CU	6010	SO	19	J
SB-37-16	BORE	SAIC03	NI	6010	SO	19	J
SB-37-16	BORE	SAIC02	SB	6010	SO	20	R
SB-37-16	BORE	SAIC02	BA	6010	SO	20	J
SB-37-16	BORE	SAIC02	CR	6010	SO	24	J
SB-37-16	BORE	SAIC02	CU	6010	SO	19	J
SB-37-16	BORE	SAIC02	NI	6010	SO	19	J
SB-37-17	BORE	SAIC03	SB	6010	SO	20	R
SB-37-17	BORE	SAIC03	BA	6010	SO	20	J
SB-37-17	BORE	SAIC03	CR	6010	SO	24	J
SB-37-17	BORE	SAIC03	CU	6010	SO	19	J
SB-37-17	BORE	SAIC03	NI	6010	SO	19	J
SB-37-17	BORE	SAIC02	NI	6010	SO	19	J
SB-37-17	BORE	SAIC02	SB	6010	SO	20	R
SB-37-17	BORE	SAIC02	BA	6010	SO	20	J
SB-37-17	BORE	SAIC02	CR	6010	SO	24	J
SB-37-17	BORE	SAIC02	CU	6010	SO	19	J
SB-37-17	BORE	SAIC01	SB	6010	SO	20	R

Table J-23. Data Validation Flag Codes and Qualifiers
Phase IIA RFI, Despot, Tooele, Utah

Site ID	Site Type	Field Sample	Target Compound	Method	Matrix	Flag Reason	Flags and Qualifiers
SB-37-17	BORE	SAIC01	BA	6010	SO	20	J
SB-37-17	BORE	SAIC01	CR	6010	SO	24	J
SB-37-17	BORE	SAIC01	CU	6010	SO	19	J
SB-37-17	BORE	SAIC01	NI	6010	SO	19	J
SB-37-18	BORE	SAIC03	SB	6010	SO	20	R
SB-37-18	BORE	SAIC03	BA	6010	SO	20	J
SB-37-18	BORE	SAIC03	CR	6010	SO	24	J
SB-37-18	BORE	SAIC03	CU	6010	SO	19	J
SB-37-18	BORE	SAIC03	NI	6010	SO	19	J
SB-37-18	BORE	SAIC02	SB	6010	SO	20	R
SB-37-18	BORE	SAIC02	BA	6010	SO	20	J
SB-37-18	BORE	SAIC02	CR	6010	SO	24	J
SB-37-18	BORE	SAIC02	CU	6010	SO	19	J
SB-37-18	BORE	SAIC02	NI	6010	SO	19	J
SB-37-19	BORE	SAIC03	SB	6010	SO	20	R
SB-37-19	BORE	SAIC03	BA	6010	SO	20	J
SB-37-19	BORE	SAIC03	CR	6010	SO	24	J
SB-37-19	BORE	SAIC03	CU	6010	SO	19	J
SB-37-19	BORE	SAIC03	NI	6010	SO	19	J
SB-37-19	BORE	SAIC02	SB	6010	SO	20	J
SB-37-19	BORE	SAIC02	BA	6010	SO	20	J
SB-37-19	BORE	SAIC02	CR	6010	SO	24	J
SB-37-19	BORE	SAIC02	CU	6010	SO	19	J
SB-37-19	BORE	SAIC02	NI	6010	SO	19	J
SB-37-20	BORE	SAIC03	SB	6010	SO	20	R
SB-37-20	BORE	SAIC03	BA	6010	SO	20	J
SB-37-20	BORE	SAIC03	CR	6010	SO	24	J
SB-37-20	BORE	SAIC03	CU	6010	SO	19	J
SB-37-20	BORE	SAIC03	NI	6010	SO	19	J
SB-37-20	BORE	SAIC02	SB	6010	SO	20	R
SB-37-20	BORE	SAIC02	BA	6010	SO	20	J
SB-37-20	BORE	SAIC02	CR	6010	SO	24	J
SB-37-20	BORE	SAIC02	CU	6010	SO	19	J
SB-37-20	BORE	SAIC02	NI	6010	SO	19	J
SB-37-21	BORE	SAIC01	SB	6010	SO	20	R
SB-37-21	BORE	SAIC01	BA	6010	SO	20	J
SB-37-21	BORE	SAIC01	CR	6010	SO	24	J
SB-37-21	BORE	SAIC01	CU	6010	SO	19	J
SB-37-21	BORE	SAIC01	NI	6010	SO	19	J
SB-37-21	BORE	SAIC02	SB	6010	SO	20	R
SB-37-21	BORE	SAIC02	BA	6010	SO	20	J
SB-37-21	BORE	SAIC02	CU	6010	SO	19	J
SB-37-21	BORE	SAIC02	NI	6010	SO	19	J
SB-37-21	BORE	SAIC03	SB	6010	SO	20	R
SB-37-21	BORE	SAIC03	BA	6010	SO	20	J
SB-37-21	BORE	SAIC03	CR	6010	SO	24	J
SB-37-21	BORE	SAIC03	CU	6010	SO	19	J
SB-37-21	BORE	SAIC03	NI	6010	SO	19	J
SB-37-21	BORE	SAIC02	CR	6010	SO	24	J

Footnotes

IRDMIS Flag Codes:
B-Analyte found in the method blank or QC blank as well as the sample

Table J-23. Data Validation Flag Codes and Qualifiers
Phase IIA RFI, Despot, Tooele, Utah

Site ID	Site Type	Field Sample	Target Compound	Method	Matrix	Flag Reason	Flags and Qualifiers
G-Analyte found in the rinse blank as well as field sample							

SAIC Qualifiers:

"+"- indicates that the concentration detected in a sample is less than 5 to 10 times that detected in the associated blank, is considered blank contamination, and will not be used.

"S"- indicates that the associated value is an estimated quantity because the method or project QC limits were not met.

"T"- indicates that the compound was found in the field blank as well as field sample.

EPA Qualifiers:

"U" -analyte was analyzed for, but was not detected above the reported sample quantitation limit.

"J" - analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample

"UJ"-analyte was not detected above the reported sample quantitation limit. The reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.

"R" - sample result is rejected due to serious deficiencies in the ablity to analyze the sample and met quality control criteria. The presence or absence of the analyte cannot be verified.

Table J-24. Volatile Organic Compound Analysis Surrogate Recovery QC Summary: Water Phase IIA RFI, Deseret Chemical Depot, Tooele, Utah

VOC Surrogates	Total Number Analyses*	Percent Recovery Range	Control Limits	Number Within Control Limits	Number Outside Control Limits
Toluene-d8	18	84-108	85-115	17	1
4-Bromofluorobenzene	18	97-110	86-115	18	0
1,2-Dichloroethane-d4	18	103-119	86-115	17	1

* Water Environmental Samples, Laboratory Control Samples, Method Blanks, Equipment Rinsates, and Trip Blanks

Table J-25. Semivolatile Organic Compound Analysis Surrogate Recovery QC Summary: Water Phase IIA RFI, Deseret Chemical Depot, Tooele, Utah

SVOC Surrogates	Total Number Analyses*	Percent Recovery Range	Control Limits	Number Within Control Limits	Number Outside Control Limits
2-Fluorophenol	20	44-61	21-100	20	0
Phenol-d5	20	31-48	Oct-94	20	0
Nitrobenzene-d5	20	52-77	35-114	20	0
2-Fluorobiphenyl	20	68-83	43-116	20	0
2,4,6-Tribromophenol	20	59-82	10-123	20	0
Terphenyl-d14	20	60-90	33-141	20	0

*Water Environmental Samples, LCSs, Method Blanks, and Equipment Blanks.

Table J-26. Polychlorinated Biphenyls Analysis Surrogate Recovery QC Summary: Water Phase IIA RFI, Deseret Chemical Depot, Tooele, Utah

SVOC Surrogates	Total Number Analyses*	Percent Recovery Range	Control Limits	Number Within Control Limits	Number Outside Control Limits
Decachlorobiphenyl	21	53-101	31-145	21	0

*Water Environmental Samples, LCSs, Method Blank, and Equipment Blanks.

Table J-27. Explosives Analysis Surrogate Recovery QC Summary: Soil Phase IIA RFI, Deseret Chemical Depot, Tooele, Utah

Surrogates	Total Number Analyses*	Percent Recovery Range	Control Limits	Number Within Control Limits	Number Outside Control Limits
3,4-Dinitrotoluene	17	94-101	65-125	17	0

* Soil/Sediment Environmental Samples, Method Blanks, LCSs, and MS/MSD.

Table J-28. Explosives Analysis Surrogate Recovery QC Summary: Water Phase IIA RFI, Deseret Chemical Depot, Tooele, Utah

Surrogates	Total Number Analyses*	Percent Recovery Range	Control Limits	Number Within Control Limits	Number Outside Control Limits
3,4-Dinitrotoluene	6	76-92	50-125	6	0

*Water Environmental Samples, LCSs, Method Blank, MS/MSD, and Equipment Blanks

Table J-29. Volatile Organic Compound MS/MSD QC Summary: Water
Phase IIA RFI, Deseret Chemical Depot, Tooele, Utah

	ACCURACY					PRECISION				
VOC MS/MSD Compounds	MS/MSD Calculated Recoveries	Percent Recovery Range	Percent Recovery Control Limits	Number Within Control Limits	Number Outside Control Limits	MS/MSD Calculated RPD	Max. RPD	RPD Limit	Number Within Control Limits	Number Outside Control Limits
1,1-Dichloroethene	4	68-106	61-145	4	0	2	36	14	0	2
Trichloroethene	4	95-106	71-120	4	0	2	8	14	2	0
Benzene	4	99-103	76-127	2	2	2	3	11	2	0
Toluene	4	98-104	76-125	4	0	2	3	13	2	0
Chlorobenzene	4	108-112	75-130	4	0	2	1	13	2	0

Table J-30. Semivolatile Organic Compound MS/MSD QC Summary: Water
Phase IIA RFI, Deseret Chemical Depot, Tooele, Utah

	ACCURACY					PRECISION				
SVOC MS/MSD Compounds	MS/MSD Calculated Recoveries	Percent Recovery Range	Percent Recovery Control Limits	Number Within Control Limits	Number Outside Control Limits	MS/MSD Calculated RPD	Max. RPD	RPD Limit	Number Within Control Limits	Number Outside Control Limits
Phenol	4	31-45	(12-89)	4	0	2	9	42	2	0
2-Clorophenol	4	52-64	27-123	1	3	2	12	40	2	0
1,4-Dichlorobenzene	4	49-59	36-97	4	0	2	17	28	2	0
n-Nitroso-di-n-Propylamii	4	54-70	41-116	4	0	2	13	38	2	0
1,2,4-Trichlorobenzene	4	57-70	39-98	4	0	2	14	28	2	0
4-Chloro-3-methylphenol	4	43-59	23-97	4	0	2	10	42	2	0
Acenaphthene	4	64-83	46-118	4	0	2	12	31	2	0
4-Nitrophenol	4	40-42	(10-80)	4	0	2	5	50	2	0
2,4-Dinitrotoluene	4	58-81	24-96	4	0	2	11	38	2	0
Pentachlorophenol	4	48-66	9-103	4	0	2	1	50	2	0
Pyrene	4	59-82	26-127	4	0	2	9	31	2	0

Table J-31. Polychlorinated Biphenyls MS/MSD QC Summary: Water
Phase IIA RFI, Deseret Chemical Depot, Tooele, Utah

	ACCURACY					PRECISION				
MS/MSD Compounds	MS/MSD Calculated Recoveries	Percent Recovery Range	Percent Recovery Control Limits	Number Within Control Limits	Number Outside Control Limits	MS/MSD Calculated RPD	Max. RPD	RPD Limit	Number Within Control Limits	Number Outside Control Limits
AR1016	4	62-80	70-125	2	2	2	10	25	2	0
Ar1260	4	76-102	70-125	4	0	2	18	25	2	0

Table J-32. Explosives MS/MSD QC Summary: Soil
Phase IIA RFI, Deseret Chemical Depot, Tooele, Utah

	ACCURACY					PRECISION				
MS/MSD Compounds	MS/MSD Calculated Recoveries	Percent Recovery Range	Percent Recovery Control Limits	Number Within Control Limits	Number Outside Control Limits	MS/MSD Calculated RPD	Max. RPD	RPD Limit	Number Within Control Limits	Number Outside Control Limits
1.3.5-Trinitrobenzene	2	100-101	50-125	2	0	1	1	25	1	0
1,3-Dinitrobenzene	2	98	50-125	2	0	1	0	25	1	0
2,4,6-Trinitrotoluene	2	80-82	50-125	2	0	1	2	25	1	0
2,4-Dinitrotoluene	2	100-101	50-125	2	0	1	1	25	1	0
2,6-Dinitrotoluene	2	98	50-125	2	0	1	0	25	1	0
2-Amino-4,6-dinitrotoluer	2	102	50-125	2	0	1	0	25	1	0
2-Nitrotoluene	2	97	50-125	2	0	1	0	25	1	0
3-Nitrotoluene	2	97	50-125	2	0	1	0	25	1	0
2-Amino-2,6-dinitrotoluer	2	122-123	50-125	2	0	1	1	25	1	0
4-Nitrotoluene	2	98	50-125	2	0	1	0	25	1	0
HMX	2	91-92	50-125	2	0	1	0	25	1	0
Nitrobenzene	2	100	50-125	2	0	1	0	25	1	0
RDX	2	96	50-125	2	0	1	0	25	1	0
Tetryl	2	79-82	50-125	2	0	1	4	25	1	0

Table J-33. Organic Acids and Thiodiglycol MS/MSD QC Summary: Soil
Phase IIA RFI, Deseret Chemical Depot, Tooele, Utah

	ACCURACY					PRECISION				
MS/MSD Compounds	MS/MSD Calculated Recoveries	Percent Recovery Range	Percent Recovery Control Limits	Number Within Control Limits	Number Outside Control Limits	MS/MSD Calculated RPD	Max. RPD	RPD Limit	Number Within Control Limits	Number Outside Control Limits
IMPA	4	117-141	60-125	3	1	2	6	20	2	0
MPA	4	136-163	60-125	2	2	2	17	35	2	0
Thiodiglycol	2	1.4-27.4	50-150	0	2	1	2	50	1	0

Table J-34. Thiodiglycol MS/MSD QC Summary: Water
Phase IIA RFI, Deseret Chemical Depot, Tooele, Utah

	ACCURACY					PRECISION				
MS/MSD Compounds	MS/MSD Calculated Recoveries	Percent Recovery Range	Percent Recovery Control Limits	Number Within Control Limits	Number Outside Control Limits	MS/MSD Calculated RPD	Max. RPD	RPD Limit	Number Within Control Limits	Number Outside Control Limits
Thiodiglycol	2	60-65	50-125	2	0	1	7	25	1	0

Table J-35. Metals MS and Laboratory Duplicate QC Summary: Soil
Phase IIA RFI, Deseret Chemical Depot, Tooele, Utah

	ACCURACY					PRECISION				
Compounds	MS Calculated Recoveries	Percent Recovery Range	Percent Recovery Control Limits	Number Within Control Limits	Number Outside Control Limits	Calculated RPD	Max RPD	RPD Limit	Number Within Control Limits	Number Outside Control Limits
ICP Metals										
Aluminum	NA	NA	NA	NA	NA	3	17	35	2	1
Antimony	3	(11-30)	75-125	0	3	3	0	35	3	0
Barium	3	97-164	75-125	2	1	3	10	35	3	0
Beryllium	3	97-101	75-125	3	0	3	10	35	3	0
Calcium	NA	NA	NA	NA	NA	3	8	35	3	0
Chromium	3	88-104	75-125	3	0	3	13	35	3	0
Copper	3	94-95	75-125	3	0	3	42	35	3	0
Iron	NA	NA	NA	NA	NA	3	33	35	3	0
Magnesium	NA	NA	NA	NA	NA	3	4	35	3	0
Manganese	1	91.8	75-125	1	0	3	16	35	3	0
Nickel	3	83-93	75-125	3	0	3	59	35	2	1
Potassium	NA	NA	NA	NA	NA	3	19	35	3	0
Silver	3	86-118	75-125	3	0	3	13	35	3	0
Sodium	NA	NA	NA	NA	NA	3	19	35	3	0
Vanadium	3	90-107	75-125	3	0	3	15	35	3	0
Zinc	3	97-103	75-125	3	0	3	12	35	3	0
GFAA Metals										
Arsenic	3	85-87	75-125	3	0	3	23	35	3	0
Cadmium	3	81-85	75-125	3	0	3	14	35	3	0
Lead	3	81-92	75-125	3	0	3	17	35	3	0
Selenium	3	86-87	75-125	3	0	NC	NC	35	NA	NA
Thallium	3	85-89	75-125	3	0	NC	NC	35	NA	NA
AA Metals										
Mercury	8*	0-118	75-125	8	0	4	7	20	4	0
Cold Vapor										
Cyanide	4	90-101	75-125	4	0	2	2	20	2	0

NA=Not Analyzed
NC-Not calculated
*- Two recoveries were 0% (lot BMXK), but spike level was less than 1/4 the native concentration, so recoveries were considered acceptable.

Table J-36. Data Summary Field Blank Results
Phase IIA RFI, Deseret Chemical Depot, Tooele, Utah

Site ID			DI98-01		DI98-01		DI98-02
Field Sample Number			SAIC01		SAIC01D		SAIC02
Site Type			RNSW		RNSW		FBLK
Collection Date			11/16/98		11/16/98		2/18/99
Depth (ft)			0.00		0.00		0.00
Metals							
Laboratory Id Number							
Parameter	Units	RL					
Cobalt	ug/L	50	LT 56.9		LT 56.9 D		LT 50.0
Lead	ug/L	3	LT 52.9		LT 52.9 D		1.10 JP
Volatiles							
Laboratory Id Number							
Parameter	Units	RL					
Bromodichloromethane	ug/L	1	0.620		LT 0.580 D		N/A
Chloroform	ug/L	1	9.40		9.10 D		N/A
Water Quality							
Laboratory Id Number							
Parameter	Units	RL					
Specific Conductance	UMHC		6.89		1.60 D		N/A
Total Dissolved Solids	ug/L	10.0	53300		36700 D		N/A
pH			8.28		8.30 D		N/A

Footnotes:

CRL - Certified reporting limits
ID - Identification
N/A - Not applicable
TICs - Tentatively Identified Compound

Boolean Codes:

LT - Less than the certified reporting limit
ND - Not detected

Flagging Codes:

D - Duplicate analysis.
J - Value is estimated.
P - Results less than reporting limit but greater than instrumental detecti

Table J-37. Data Summary: Equipment Rinse Blank Results
Phase IIA RFI, Deseret Chemical Depot, Tooele, Utah

Site ID			S-113-94		S-116-94		S-75-90	SB-33A-11		SB-33A-12		SB-33A-22		SB-33A-27	
Field Sample Number			SAICRB01		SAICRB03		SAICRB04	SAICRB06		SAICRB10		SAICRB09		SAICRB08	
Site Type			RNSW		RNSW		RNSW	RNSW		RNSW		RNSW		RNSW	
Collection Date			11/16/98		11/17/98		11/18/98	2/18/99		2/25/99		2/24/99		2/23/99	
Depth (ft)			0.00		0.00		0.00	0.00		0.00		0.00		0.00	
Metals															
Laboratory Id Number															
Parameter	Units	RL													
Arsenic	ug/L	5	N/A	LT	1.00		**1.38**	LT	5.00	LT	5.00	LT	5.00	LT	5.00
Calcium	ug/L	100	N/A	LT	1040	LT	1040	LT	100		**111**		**115**		**117**
Cobalt	ug/L	50	N/A	LT	56.9	LT	56.9	LT	50.0	LT	50.0	LT	50.0	LT	50.0
Lead	ug/L	3	N/A	LT	52.9	LT	52.9	LT	3.00	LT	3.00	LT	3.00	LT	3.00
Manganese	ug/L	10	N/A	LT	2.60	LT	2.60		**10.1**	LT	10.0	LT	10.0	LT	10.0
Mercury	ug/L	0.1	N/A	LT	0.200	LT	0.200	LT	0.100	LT	0.100	LT	0.100	LT	0.100
Nickel	ug/L	40	N/A	LT	7.57	LT	7.57	LT	40.0	LT	40.0	LT	40.0	LT	40.0
Sodium	ug/L	200	N/A	LT	2360	LT	2360	LT	200	LT	200		**889**	LT	200
Semivolatiles															
Laboratory Id Number															
Parameter	Units	RL													
Dimethyl Phthalate	ug/L	5	**35.0**		**26.0**		**22.0**	N/A		N/A		N/A		N/A	
bis(2-Ethylhexyl)phthalate	ug/L	5	LT 4.40	LT	4.40		**8.30**	N/A		N/A		N/A		N/A	
Volatiles															
Laboratory Id Number															
Parameter	Units	RL													
Chloroform	ug/L	1	**8.10**		**7.70**		**7.80**	N/A		N/A		N/A		N/A	
Water Quality															
Laboratory Id Number															
Parameter	Units	RL													
Nitrite, Nitrate	ug/L	10.0	**44.2**	LT	10.0		N/A	N/A		N/A		N/A		N/A	
Specific Conductance	UMHC		**9.70**		**8.20**		N/A	N/A		N/A		N/A		N/A	
Total Dissolved Solids	ug/L	10.0	**56700**		**20000**		N/A	N/A		N/A		N/A		N/A	
Total Organic Carbon	ug/L	1.0	**1200**		**1010**		N/A	N/A		N/A		N/A		N/A	
pH			**7.80**		**6.97**		N/A	N/A		N/A		N/A		N/A	

Footnotes:

CRL - Certified reporting limits
ID - Identification
N/A - Not applicable
TICs - Tentatively Identified Compound

Boolean Codes:

LT - Less than the certified reporting limit
ND - Not detected

Flagging Codes:

J - Value is estimated.
P - Results less than reporting limit but greater than instrumental detecti

Table J-37. Data Summary: Equipment Rinse Blank Results
Phase IIA RFI, Deseret Chemical Depot, Tooele, Utah

Site ID			SB-37-11		SB-37-14
Field Sample Number			SAICRB05		SAICRB07
Site Type			RNSW		RNSW
Collection Date			2/17/99		2/22/99
Depth (ft)			0.00		0.00
Metals					
Laboratory Id Number					
Parameter	Units	RL			
Arsenic	ug/L	5	5.00	LT	5.00
Calcium	ug/L	100	100	LT	100
Cobalt	ug/L	50	50.0	LT	50.0
Lead	ug/L	3	1.93 JP	LT	3.00
Manganese	ug/L	10	10.0	LT	10.0
Mercury	ug/L	0.1	0.118	LT	0.100
Nickel	ug/L	40	40.0	LT	40.0
Sodium	ug/L	200	200	LT	200
Semivolatiles					
Laboratory Id Number					
Parameter	Units	RL			
Dimethyl Phthalate	ug/L	5	N/A		N/A
bis(2-Ethylhexyl)phthalate	ug/L	5	N/A		N/A
Volatiles					
Laboratory Id Number					
Parameter	Units	RL			
Chloroform	ug/L	1	N/A		N/A
Water Quality					
Laboratory Id Number					
Parameter	Units	RL			
Nitrite, Nitrate	ug/L	10.0	N/A		N/A
Specific Conductance	UMHC		N/A		N/A
Total Dissolved Solids	ug/L	10.0	N/A		N/A
Total Organic Carbon	ug/L	1.0	N/A		N/A
pH			N/A		N/A

Footnotes:

CRL - Certified reporting limits
ID - Identification
N/A - Not applicable
TICs - Tentatively Identified Compound

Boolean Codes:

LT - Less than the certified reporting limit
ND - Not detected

Flagging Codes:

J - Value is estimated.
P - Results less than reporting limit but greater than ir

Table J-38. Reasons for Validation Qualifiers
Phase IIB RFI, Deseret Chemical Depot, Tooele, Utah

Site ID	Field Sample	Target Compound and Element	Method	Matrix	New Value	Old Flag	Data Validation Qualifier	Reason For Qualification
SB-BK-03	SAIC03	SB	6010	SO			UJ	20
SB-BK-03	SAIC02	CU	6010	SO			J	19
SB-BK-03	SAIC02	FE	6010	SO			J	19
SB-BK-03	SAIC02	MN	6010	SO			J	24
SB-BK-03	SAIC02	NI	6010	SO			J	19, 20
SB-BK-03	SAIC02	AG	6010	SO		JP	J	20
SB-BK-03	SAIC02	NA	6010	SO			J	19
SB-BK-03	SAIC03	AS	6010	SO			J	20
SB-BK-03	SAIC03	CD	6010	SO			J	19
SB-BK-03	SAIC04	NA	6010	SO			J	19
SB-BK-03	SAIC03	TL	6010	SO		JP	J	20
SB-BK-03	SAIC02	SB	6010	SO			UJ	20
SB-BK-03	SAIC03	BA	6010	SO			J	19
SB-BK-03	SAIC03	CA	6010	SO			J	19
SB-BK-03	SAIC03	CU	6010	SO			J	19
SB-BK-03	SAIC03	FE	6010	SO			J	19
SB-BK-03	SAIC03	MN	6010	SO			J	24
SB-BK-03	SAIC03	NI	6010	SO			J	19, 20
SB-BK-03	SAIC03	AG	6010	SO		JP	J	20
SB-BK-01	SAIC01	CU	6010	SO			J	19
SB-BK-03	SAIC03	PB	6010	SO			J	24
SB-BK-02	SAIC03D	FE	6010	SO		D	J	19
SB-BK-02	SAIC03	NI	6010	SO			J	19, 20
SB-BK-02	SAIC03	AG	6010	SO			J	20
SB-BK-02	SAIC03	NA	6010	SO			J	19
SB-BK-02	SAIC03D	AS	6010	SO		D	J	20
SB-BK-02	SAIC03D	CD	6010	SO		D	J	19
SB-BK-02	SAIC03D	PB	6010	SO		D	J	24
SB-BK-02	SAIC03D	TL	6010	SO		DJP	J	20
SB-BK-02	SAIC03D	SB	6010	SO		D	UJ	20
SB-BK-03	SAIC02	CA	6010	SO			J	19
SB-BK-02	SAIC03D	CU	6010	SO		D	J	19
SB-BK-03	SAIC02	BA	6010	SO			J	19
SB-BK-02	SAIC03D	MN	6010	SO		D	J	24
SB-BK-02	SAIC03D	NI	6010	SO		D	J	19, 20
SB-BK-02	SAIC03D	AG	6010	SO		D	J	20
SB-BK-03	SAIC01	NA	6010	SO			J	19
SB-BK-03	SAIC02	AS	6010	SO			J	20
SB-BK-03	SAIC02	CD	6010	SO			J	19
SB-BK-03	SAIC02	PB	6010	SO			J	24
SB-BK-03	SAIC02	TL	6010	SO		JP	J	20
SB-BK-04	SAIC01	SB	6010	SO			R	20
SB-BK-02	SAIC03D	CA	6010	SO		D	J	19
SB-37-16	SAIC05	AG	6010	SO			J	20
SB-BK-06	SAIC04	SB	6010	SO			R	20
SB-37-16	SAIC05	CD	6010	SO			J	19
SB-37-16	SAIC05	PB	6010	SO			J	24
SB-37-16	SAIC05	TL	6010	SO			J	20
SB-37-16	SAIC05	SB	6010	SO			UJ	20
SB-37-16	SAIC05	BA	6010	SO			J	19
SB-37-16	SAIC05	CA	6010	SO			J	19

Table J-38. Reasons for Validation Qualifiers
Phase IIB RFI, Deseret Chemical Depot, Tooele, Utah

Site ID	Field Sample	Target Compound and Element	Method	Matrix	New Value	Old Flag	Data Validation Qualifier	Reason For Qualification
SB-37-16	SAIC05	CU	6010	SO			J	19
SB-BK-03	SAIC04	AG	6010	SO		JP	J	20
SB-37-16	SAIC05	NI	6010	SO			J	19, 20
SB-BK-06	SAIC02	PB	6010	SO			J	24
SB-37-16	SAIC05	NA	6010	SO			J	19
SB-BK-01	SAIC01	AS	6010	SO			J	20
SB-BK-01	SAIC01	CD	6010	SO			J	19
SB-BK-01	SAIC01	PB	6010	SO			J	24
SB-BK-01	SAIC01	TL	6010	SO		JP	J	20
SB-BK-01	SAIC01	SB	6010	SO			UJ	20
SB-BK-01	SAIC01	BA	6010	SO			J	19
SB-BK-01	SAIC01	CA	6010	SO			J	19
SB-37-16	SAIC05	FE	6010	SO			J	19
SB-BK-05	SAIC03	PB	6010	SO			J	24
SB-BK-04	SAIC01D	SB	6010	SO			J	24
SB-BK-04	SAIC01D	PB	6010	SO		D	J	24
SB-BK-04	SAIC02	PB	6010	SO		D	J	24
SB-BK-04	SAIC02	SB	6010	SO			R	20
SB-BK-04	SAIC03	SB	6010	SO			R	20
SB-BK-04	SAIC03	PB	6010	SO			J	24
SB-BK-05	SAIC01	PB	6010	SO			J	24
SB-BK-05	SAIC01	SB	6010	SO			R	20
SB-BK-06	SAIC03	SB	6010	SO			R	20
SB-BK-05	SAIC02	PB	6010	SO			J	24
SB-BK-06	SAIC03	PB	6010	SO			J	24
SB-BK-05	SAIC03	SB	6010	SO			R	20
SB-BK-05	SAIC04	SB	6010	SO			R	20
SB-BK-05	SAIC04	PB	6010	SO			J	24
SB-BK-06	SAIC01	PB	6010	SO			J	24
SB-BK-06	SAIC01	SB	6010	SO			R	20
SB-BK-06	SAIC01D	SB	6010	SO			R	20
SB-BK-06	SAIC01D	PB	6010	SO		D	J	24
SB-BK-06	SAIC02	SB	6010	SO		D	R	20
SB-BK-02	SAIC03	CA	6010	SO			J	19
SB-BK-05	SAIC02	SB	6010	SO			R	20
SB-37-15	SAIC05	CU	6010	SO			J	19
SB-37-15	SAIC04D	NI	6010	SO		D	J	19, 20
SB-37-15	SAIC04D	AG	6010	SO		D	J	20
SB-37-15	SAIC04D	NA	6010	SO		D	J	19
SB-37-15	SAIC05	AS	6010	SO			J	20
SB-37-15	SAIC05	CD	6010	SO			J	19
SB-37-15	SAIC05	PB	6010	SO			J	24
SB-37-15	SAIC05	TL	6010	SO		JP	J	20
SB-37-15	SAIC05	SB	6010	SO			UJ	20
SB-37-15	SAIC04	CD	6010	SO			J	19
SB-37-15	SAIC05	CA	6010	SO			J	19
SB-37-15	SAIC04D	CU	6010	SO		D	J	19
SB-37-15	SAIC05	FE	6010	SO			J	19
SB-37-15	SAIC05	MN	6010	SO			J	24
SB-37-15	SAIC05	NI	6010	SO			J	19, 20
SB-37-15	SAIC05	AG	6010	SO			J	20
SB-37-15	SAIC05	NA	6010	SO			J	19
SB-37-16	SAIC04	AS	6010	SO			J	20

Table J-38. Reasons for Validation Qualifiers
Phase IIB RFI, Deseret Chemical Depot, Tooele, Utah

Site ID	Field Sample	Target Compound and Element	Method	Matrix	New Value	Old Flag	Data Validation Qualifier	Reason For Qualification
SB-37-16	SAIC04	CD	6010	SO			J	19
SB-37-16	SAIC04	PB	6010	SO			J	24
SB-37-15	SAIC05	BA	6010	SO			J	19
SB-37-15	SAIC04	AG	6010	SO			J	20
SB-37-15	SAIC04	AS	6010	SO			J	20
SB-37-15	SAIC04	PB	6010	SO			J	24
SB-37-15	SAIC04	TL	6010	SO			J	20
SB-37-15	SAIC04	SB	6010	SO			UJ	20
SB-37-15	SAIC04	BA	6010	SO			J	19
SB-37-15	SAIC04	CA	6010	SO			J	19
SB-37-15	SAIC04	CU	6010	SO			J	19
SB-37-15	SAIC04	FE	6010	SO			J	19
SB-37-15	SAIC04D	MN	6010	SO		D	J	24
SB-37-15	SAIC04	NI	6010	SO			J	19, 20
SB-37-15	SAIC04D	FE	6010	SO		D	J	19
SB-37-15	SAIC04	NA	6010	SO			J	19
SB-37-15	SAIC04D	AS	6010	SO		D	J	20
SB-37-15	SAIC04D	CD	6010	SO		D	J	19
SB-37-15	SAIC04D	PB	6010	SO		D	J	24
SB-37-15	SAIC04D	TL	6010	SO		D	UJ	20
SB-37-15	SAIC04D	SB	6010	SO		D	UJ	20
SB-37-15	SAIC04D	BA	6010	SO		D	J	19
SB-37-15	SAIC04D	CA	6010	SO		D	J	19
SB-37-16	SAIC04	BA	6010	SO			J	19
SB-37-15	SAIC04	MN	6010	SO			J	24
SB-BK-01	SAIC03	AG	6010	SO		JP	J	20
SB-37-16	SAIC04	TL	6010	SO			UJ	20
SB-BK-01	SAIC03	PB	6010	SO			J	24
SB-BK-01	SAIC03	TL	6010	SO		JP	J	20
SB-BK-01	SAIC03	SB	6010	SO			UJ	20
SB-BK-01	SAIC03	BA	6010	SO			J	19
SB-BK-01	SAIC03	CA	6010	SO			J	19
SB-BK-01	SAIC03	CU	6010	SO			J	19
SB-BK-01	SAIC03	FE	6010	SO			J	19
SB-BK-01	SAIC03	AS	6010	SO			J	20
SB-BK-01	SAIC03	NI	6010	SO			J	19, 20
SB-BK-01	SAIC02	NA	6010	SO			J	19
SB-BK-01	SAIC03	NA	6010	SO			J	19
SB-BK-02	SAIC02	NA	6010	SO			J	19
SB-BK-02	SAIC03	AS	6010	SO			J	20
SB-BK-02	SAIC03	CD	6010	SO			J	19
SB-BK-02	SAIC03	PB	6010	SO			J	24
SB-BK-02	SAIC03	TL	6010	SO			J	20
SB-BK-02	SAIC03	SB	6010	SO			UJ	20
SB-BK-02	SAIC03	BA	6010	SO			J	19
SB-BK-02	SAIC03	MN	6010	SO			J	24
SB-BK-01	SAIC03	MN	6010	SO			J	24
SB-BK-01	SAIC02	PB	6010	SO			J	24
SB-BK-02	SAIC03	FE	6010	SO			J	19
SB-37-16	SAIC04	CA	6010	SO			J	19
SB-37-16	SAIC04	CU	6010	SO			J	19
SB-37-16	SAIC04	FE	6010	SO			J	19
SB-37-16	SAIC04	MN	6010	SO			J	24

Table J-38. Reasons for Validation Qualifiers
Phase IIB RFI, Deseret Chemical Depot, Tooele, Utah

Site ID	Field Sample	Target Compound and Element	Method	Matrix	New Value	Old Flag	Data Validation Qualifier	Reason For Qualification
SB-37-16	SAIC04	NI	6010	SO			J	19, 20
SB-37-16	SAIC04	NA	6010	SO			J	19
SB-37-16	SAIC04	AG	6010	SO			J	20
SB-BK-01	SAIC03	CD	6010	SO			J	19
SB-BK-01	SAIC02	CD	6010	SO			J	19
SB-37-16	SAIC04	SB	6010	SO			UJ	20
SB-BK-01	SAIC02	TL	6010	SO		JP	J	20
SB-BK-01	SAIC02	SB	6010	SO			UJ	20
SB-BK-01	SAIC02	BA	6010	SO			J	19
SB-BK-01	SAIC02	CA	6010	SO			J	19
SB-BK-01	SAIC02	CU	6010	SO			J	19
SB-BK-01	SAIC02	FE	6010	SO			J	19
SB-BK-01	SAIC02	MN	6010	SO			J	24
SB-BK-01	SAIC02	NI	6010	SO			J	19, 20
SB-BK-01	SAIC02	AG	6010	SO		JP	J	20
SB-37-16	SAIC05	AS	6010	SO			J	20
SB-BK-03	SAIC04	FE	6010	SO			J	19
SB-BK-03	SAIC04	AS	6010	SO			J	20
SB-BK-03	SAIC04	CD	6010	SO			J	19
SB-BK-03	SAIC04	PB	6010	SO			J	24
SB-BK-03	SAIC04	TL	6010	SO		JP	J	20
SB-BK-03	SAIC04	SB	6010	SO			UJ	20
SB-BK-03	SAIC04	BA	6010	SO			J	19
SB-BK-03	SAIC01	CA	6010	SO			J	19
SB-BK-03	SAIC04	CU	6010	SO			J	19
SB-BK-03	SAIC03D	NI	6010	SO		D	J	19, 20
SB-BK-03	SAIC04	MN	6010	SO			J	24
SB-BK-03	SAIC04	NI	6010	SO			J	19, 20
SB-BK-06	SAIC04	PB	6010	SO			J	24
SB-BK-07	SAIC01	SB	6010	SO			R	20
SB-BK-07	SAIC01	PB	6010	SO			J	24
SB-BK-07	SAIC02	PB	6010	SO			J	24
SB-BK-07	SAIC02	SB	6010	SO			R	20
SB-BK-03	SAIC04	CA	6010	SO			J	19
SB-BK-03	SAIC03D	TL	6010	SO		DJP	J	20
SB-BK-03	SAIC01	CU	6010	SO			J	19
SB-BK-03	SAIC01	FE	6010	SO			J	19
SB-BK-03	SAIC01	MN	6010	SO			J	24
SB-BK-03	SAIC01	NI	6010	SO			J	19, 20
SB-BK-03	SAIC01	AG	6010	SO		JP	J	20
SB-BK-03	SAIC03	NA	6010	SO			J	19
SB-BK-03	SAIC03D	AS	6010	SO		D	J	20
SB-BK-03	SAIC03D	NA	6010	SO		D	J	19
SB-BK-03	SAIC03D	PB	6010	SO		D	J	24
SB-BK-03	SAIC03D	AG	6010	SO		DJP	J	20
SB-BK-03	SAIC03D	SB	6010	SO		D	UJ	20
SB-BK-03	SAIC03D	BA	6010	SO		D	J	19
SB-BK-03	SAIC03D	CA	6010	SO		D	J	19
SB-BK-03	SAIC03D	CU	6010	SO		D	J	19
SB-BK-03	SAIC03D	FE	6010	SO		D	J	19
SB-BK-03	SAIC03D	MN	6010	SO		D	J	24
SB-BK-07	SAIC04	PB	6010	SO			J	24
SB-BK-03	SAIC03D	CD	6010	SO		D	J	19

Table J-38. Reasons for Validation Qualifiers
Phase IIB RFI, Deseret Chemical Depot, Tooele, Utah

Site ID	Field Sample	Target Compound and Element	Method	Matrix	New Value	Old Flag	Data Validation Qualifier	Reason For Qualification
SB-BK-10	SAIC01	PB	6010	SO			J	24
SB-BK-07	SAIC03	SB	6010	SO			R	20
SB-BK-08	SAIC03	PB	6010	SO			J	24
SB-BK-08	SAIC03	SB	6010	SO			R	20
SB-BK-09	SAIC01	SB	6010	SO			R	20
SB-BK-09	SAIC01	PB	6010	SO			J	24
SB-BK-09	SAIC02	PB	6010	SO			J	24
SB-BK-09	SAIC02	SB	6010	SO			R	20
SB-BK-08	SAIC02	SB	6010	SO			R	20
SB-BK-09	SAIC03	PB	6010	SO			J	24
SB-BK-08	SAIC01	SB	6010	SO			R	20
SB-BK-10	SAIC01	SB	6010	SO			R	20
SB-BK-10	SAIC02	SB	6010	SO			R	20
SB-BK-10	SAIC02	PB	6010	SO			J	24
SB-BK-10	SAIC03	PB	6010	SO			J	24
SB-BK-10	SAIC03	SB	6010	SO			R	20
SB-BK-01	SAIC01	FE	6010	SO			J	19
SB-BK-02	SAIC03	CU	6010	SO			J	19
SB-BK-09	SAIC03	SB	6010	SO			R	20
SB-37-18	SAIC04	PB	6010	SO			J	24
SB-37-12	SAIC04	SB	6010	SO			R	20
SB-BK-07	SAIC04	SB	6010	SO			R	20
SB-37-12	SAIC04	PB	6010	SO			J	24
SB-37-12	SAIC05	SB	6010	SO			R	20
SB-37-17	SAIC04	SB	6010	SO			R	20
SB-37-17	SAIC04	PB	6010	SO			J	24
SB-37-17	SAIC05	PB	6010	SO			J	24
SB-BK-08	SAIC02	PB	6010	SO			J	24
SB-37-18	SAIC04	SB	6010	SO			R	20
SB-BK-07	SAIC03	PB	6010	SO			J	24
SB-37-18	SAIC04D	SB	6010	SO		D	R	20
SB-37-18	SAIC04D	PB	6010	SO		D	J	24
SB-37-18	SAIC05	PB	6010	SO		D	J	24
SB-37-18	SAIC05	SB	6010	SO			R	20
SB-37-19	SAIC04	SB	6010	SO			R	20
SB-37-19	SAIC04	PB	6010	SO			J	24
SB-BK-08	SAIC01	PB	6010	SO			J	24
SB-37-17	SAIC05	SB	6010	SO			R	20
SB-BK-02	SAIC01	SB	6010	SO			UJ	20
SB-BK-02	SAIC02	SB	6010	SO			UJ	20
SB-BK-01	SAIC01	AG	6010	SO		JP	J	20
SB-BK-02	SAIC02	PB	6010	SO			J	24
SB-BK-02	SAIC02	AS	6010	SO			J	20
SB-BK-01	SAIC01	NI	6010	SO			J	19, 20
SB-BK-01	SAIC01	MN	6010	SO			J	24
SB-BK-01	SAIC01	NA	6010	SO			J	19
SB-BK-01	SAIC02	AS	6010	SO			J	20
SB-BK-02	SAIC01	AS	6010	SO			J	20
SB-BK-02	SAIC01	CD	6010	SO			J	19
SB-BK-02	SAIC02	BA	6010	SO			J	19
SB-BK-02	SAIC01	TL	6010	SO		JP	J	20
SB-BK-02	SAIC02	TL	6010	SO			J	20
SB-BK-02	SAIC01	BA	6010	SO			J	19

Table J-38. Reasons for Validation Qualifiers
Phase IIB RFI, Deseret Chemical Depot, Tooele, Utah

Site ID	Field Sample	Target Compound and Element	Method	Matrix	New Value	Old Flag	Data Validation Qualifier	Reason For Qualification
SB-BK-02	SAIC01	CA	6010	SO			J	19
SB-BK-02	SAIC01	CU	6010	SO			J	19
SB-BK-02	SAIC01	FE	6010	SO			J	19
SB-BK-02	SAIC01	MN	6010	SO			J	24
SB-BK-02	SAIC01	NI	6010	SO			J	19, 20
SB-BK-02	SAIC01	AG	6010	SO		JP	J	20
SB-BK-02	SAIC01	NA	6010	SO			J	19
SB-37-12	SAIC05	PB	6010	SO			J	24
SB-BK-03	SAIC01	BA	6010	SO			J	19
SB-BK-02	SAIC01	PB	6010	SO			J	24
SB-BK-02	SAIC04	BA	6010	SO			J	19
SB-BK-03	SAIC01	SB	6010	SO			J	19
SB-BK-03	SAIC01	TL	6010	SO		JP	J	20
SB-BK-03	SAIC01	PB	6010	SO			J	24
SB-BK-03	SAIC01	CD	6010	SO			J	19
SB-BK-03	SAIC01	AS	6010	SO			J	20
SB-BK-02	SAIC04	NA	6010	SO			J	19
SB-BK-02	SAIC04	AG	6010	SO		JP	J	20
SB-BK-02	SAIC04	NI	6010	SO			J	19, 20
SB-BK-02	SAIC04	MN	6010	SO			J	24
SB-BK-02	SAIC04	FE	6010	SO			J	19
SB-BK-02	SAIC02	CD	6010	SO			J	19
SB-BK-02	SAIC04	CA	6010	SO			J	19
SB-BK-02	SAIC02	CA	6010	SO			J	19
SB-BK-02	SAIC02	AG	6010	SO		JP	J	20
SB-BK-02	SAIC02	CU	6010	SO			J	19
SB-BK-02	SAIC02	FE	6010	SO			J	19
SB-BK-02	SAIC02	MN	6010	SO			J	24
SB-BK-02	SAIC04	CU	6010	SO			J	19
SB-BK-02	SAIC02	NI	6010	SO			J	19, 20
SB-BK-02	SAIC04	SB	6010	SO			UJ	20
SB-BK-02	SAIC03D	NA	6010	SO		D	J	19
SB-BK-02	SAIC04	AS	6010	SO		D	J	20
SB-BK-02	SAIC04	CD	6010	SO			J	19
SB-BK-02	SAIC04	PB	6010	SO			J	24
SB-BK-02	SAIC04	TL	6010	SO		JP	J	20
1-S	SAIC05	111TCE	8260	WA			UJ	9
SB-20-11	SAIC01	MEC6H5	8260	SO	0.0053	JBP	U	6
SB-20-10	SAIC02	MEC6H5	8260	SO	0.0054	JBP	U	6
SB-20-08	SAIC02	MEC6H5	8260	SO	0.0051	JBP	U	6
SB-20-06	SAIC03	MEC6H5	8260	SO	0.0051	JBP	U	6
SB-20-06	SAIC02	CH2CL2	8260	SO	0.0051	JP	U	7
SB-20-06	SAIC02	MEC6H5	8260	SO	0.0051	JBP	U	6
SB-20-05	SAIC03	MEC6H5	8260	SO	0.0051	BJP	U	6
SB-20-03	SAIC03	MEC6H5	8260	SO	0.0051	BJP	U	6
SB-20-03	SAIC01	MEC6H5	8260	SO	0.0052	BJP	U	6
SB-20-03	SAIC02	MEC6H5	8260	SO	0.0052	BJP	U	6
SB-20-11	SAIC03	MIBK	8260	SO			UJ	4
SB-20-11	SAIC03	MEK	8260	SO			UJ	4
SB-20-11	SAIC03	MNBK	8260	SO			UJ	4
1-S	SAIC05	C2H5CL	8260	WA			UJ	9
SB-20-11	SAIC02	MIBK	8260	SO			UJ	4
SB-20-11	SAIC03	ACET	8260	SO			UJ	4

Table J-38. Reasons for Validation Qualifiers
Phase IIB RFI, Deseret Chemical Depot, Tooele, Utah

Site ID	Field Sample	Target Compound and Element	Method	Matrix	New Value	Old Flag	Data Validation Qualifier	Reason For Qualification
1-S	SAIC05	CCL3F	8260	WA			UJ	9
1-S	SAIC05	ETC6H5	8260	WA			UJ	9
1-S	SAIC05	MEK	8260	WA			UJ	9
1-S	SAIC05	CH2CL2	8260	WA			UJ	9
1-S	SAIC05	MIBK	8260	WA			UJ	9
1-S	SAIC05	STYR	8260	WA			UJ	9
1-S	SAIC05	TCLEE	8260	WA			UJ	9
1-S	SAIC05	CCL4	8260	WA			UJ	9
1-S	SAIC05	T13DCP	8260	WA			UJ	9
1-S	SAIC05	CHCL3	8260	WA			UJ	9
1-S	SAIC05	C2AVE	8260	WA			UJ	9, 4
1-S	SAIC05	C2H3CL	8260	WA			UJ	9
SB-20-09	SAICRB13	111TCE	8260	WA			UJ	9
SB-20-09	SAICRB13	TCLEA	8260	WA			UJ	9
SB-20-09	SAICRB13	112TCE	8260	WA			UJ	9
SB-20-09	SAICRB13	11DCLE	8260	WA			UJ	9
SB-20-09	SAICRB13	12DCLE	8260	WA			UJ	9
1-S	SAIC05	MEC6H5	8260	WA			UJ	9
1-S	SAIC05	BRDCLM	8260	WA			UJ	9
1-S	SAIC05	112TCE	8260	WA			UJ	9
1-S	SAIC05	11DCLE	8260	WA			UJ	9
1-S	SAIC05	11DCE	8260	WA			UJ	9
1-S	SAIC05	12DCLE	8260	WA			UJ	9
1-S	SAIC05	12DCE	8260	WA			UJ	9
1-S	SAIC05	12DCLP	8260	WA			UJ	9
1-S	SAIC05	MNBK	8260	WA			UJ	9
1-S	SAIC05	DBRCLM	8260	WA			UJ	9
1-S	SAIC05	C6H6	8260	WA			UJ	9
1-S	SAIC05	CH3CL	8260	WA			UJ	9
1-S	SAIC05	CHBR3	8260	WA			UJ	9
1-S	SAIC05	CH3BR	8260	WA			UJ	9
1-S	SAIC05	CS2	8260	WA			UJ	9
SB-20-11	SAIC02	MEK	8260	SO			UJ	4
1-S	SAIC05	CLC6H5	8260	WA			UJ	9
SB-20-10	SAIC03	ACET	8260	SO			UJ	4
1-S	SAIC05	TCLEA	8260	WA			UJ	9
1-S	SAIC05	ACET	8260	WA			UJ	9
SB-20-09	SAICRB13	12DCE	8260	WA			UJ	9
SB-20-10	SAIC03	MIBK	8260	SO			UJ	4
SB-20-05	SAIC02	MNBK	8260	SO			UJ	4
SB-20-05	SAIC02	ACET	8260	SO			UJ	4
SB-20-05	SAIC03	ACET	8260	SO			UJ	4
SB-20-05	SAIC03	MNBK	8260	SO			UJ	4
SB-20-05	SAIC03	MEK	8260	SO			UJ	4
SB-20-05	SAIC03	MIBK	8260	SO			UJ	4
SB-20-06	SAIC02	MNBK	8260	SO			UJ	4
SB-20-06	SAIC02	ACET	8260	SO			UJ	4
SB-20-06	SAIC02	MEK	8260	SO			UJ	4
SB-20-06	SAIC02	MIBK	8260	SO			UJ	4
SB-20-05	SAIC02	MEK	8260	SO			UJ	4
SB-20-06	SAIC03	ACET	8260	SO			UJ	4
SB-20-08	SAIC02	ACET	8260	SO			UJ	4
SB-20-06	SAIC03	MEK	8260	SO			UJ	4

Table J-38. Reasons for Validation Qualifiers
Phase IIB RFI, Deseret Chemical Depot, Tooele, Utah

Site ID	Field Sample	Target Compound and Element	Method	Matrix	New Value	Old Flag	Data Validation Qualifier	Reason For Qualification
SB-20-03	SAIC03	MEK	8260	SO			UJ	4
SB-20-06	SAIC03	MIBK	8260	SO			UJ	4
SB-20-07	SAIC02	MNBK	8260	SO			UJ	4
SB-20-07	SAIC02	ACET	8260	SO			UJ	4
SB-20-07	SAIC02	MEK	8260	SO			UJ	4
SB-20-08	SAIC02	MNBK	8260	SO			UJ	4
SB-20-07	SAIC02	MIBK	8260	SO			UJ	4
SB-20-07	SAIC03	MNBK	8260	SO			UJ	4
SB-20-07	SAIC03	ACET	8260	SO			UJ	4
SB-20-07	SAIC03	MEK	8260	SO			UJ	4
SB-20-07	SAIC03	MIBK	8260	SO			UJ	4
SB-20-06	SAIC03	MNBK	8260	SO			UJ	4
SB-20-09	SAIC03	MEK	8260	SO			UJ	4
SB-20-11	SAIC02	MNBK	8260	SO			UJ	4
SB-20-11	SAIC01	MIBK	8260	SO			UJ	4
SB-20-11	SAIC01	MEK	8260	SO			UJ	4
SB-20-03	SAIC03	MIBK	8260	SO			UJ	4
SB-20-11	SAIC01	ACET	8260	SO			UJ	4
SB-20-11	SAIC01	MNBK	8260	SO			UJ	4
SB-20-10	SAIC03	MEK	8260	SO			UJ	4
SB-20-10	SAIC03	MNBK	8260	SO			UJ	4
SB-20-10	SAIC02	MIBK	8260	SO			UJ	4
SB-20-10	SAIC02	MEK	8260	SO			UJ	4
SB-20-10	SAIC02	ACET	8260	SO			UJ	4
SB-20-05	SAIC02	MIBK	8260	SO			UJ	4
SB-20-09	SAIC03	MIBK	8260	SO			UJ	4
SB-20-11	SAIC02	ACET	8260	SO			UJ	4
SB-20-09	SAIC03	ACET	8260	SO			UJ	4
SB-20-09	SAIC03	MNBK	8260	SO			UJ	4
SB-20-09	SAIC02	MIBK	8260	SO			UJ	4
SB-20-09	SAIC02	MEK	8260	SO			UJ	4
SB-20-09	SAIC02	ACET	8260	SO			UJ	4
SB-20-09	SAIC02	MNBK	8260	SO			UJ	4
SB-20-08	SAIC03	MIBK	8260	SO			UJ	4
SB-20-08	SAIC03	MEK	8260	SO			UJ	4
SB-20-08	SAIC03	ACET	8260	SO			UJ	4
SB-20-08	SAIC03	MNBK	8260	SO			UJ	4
SB-20-08	SAIC02	MIBK	8260	SO			UJ	4
SB-20-08	SAIC02	MEK	8260	SO			UJ	4
SB-20-10	SAIC02	MNBK	8260	SO			UJ	4
SB-20-03	SAIC01	ACET	8260	SO			UJ	4
SB-20-06	SAICRB14	TRCLE	8260	WA			UJ	9
SB-20-06	SAICRB14	C2H3CL	8260	WA			UJ	9
SB-20-03	SAIC03	ACET	8260	SO			UJ	4
SB-20-03	SAIC02	MIBK	8260	SO			UJ	4
SB-20-03	SAIC02	MEK	8260	SO			UJ	4
SB-20-06	SAICRB14	BRDCLM	8260	WA			UJ	9
SB-20-03	SAIC02	ACET	8260	SO			UJ	4
SB-20-06	SAICRB14	TCLEE	8260	WA			UJ	9
SB-20-03	SAIC01	MIBK	8260	SO			UJ	4
SB-20-03	SAIC01	MNBK	8260	SO			UJ	4
SB-20-03	SAIC01	MEK	8260	SO			UJ	4
SB-20-12	SAIC03	CH2CL2	8260	SO	0.0053	JP	U	7

Table J-38. Reasons for Validation Qualifiers
Phase IIB RFI, Deseret Chemical Depot, Tooele, Utah

Site ID	Field Sample	Target Compound and Element	Method	Matrix	New Value	Old Flag	Data Validation Qualifier	Reason For Qualification
SB-20-12	SAIC01	CH2CL2	8260	SO	0.0052	JP	U	7
SB-20-10	SAIC01	CH2CL2	8260	SO	0.0061	JP	U	7
SB-20-03	SAIC02	MNBK	8260	SO			UJ	4
SB-20-06	SAICRB14	DBRCLM	8260	WA			UJ	9
SB-20-06	SAICRB14	CHBR3	8260	WA			UJ	9
SB-20-06	SAICRB14	CH3BR	8260	WA			UJ	9
SB-20-06	SAICRB14	CS2	8260	WA			UJ	9
SB-20-06	SAICRB14	CCL4	8260	WA			UJ	9
SB-20-06	SAICRB14	CLC6H5	8260	WA			UJ	9
SB-20-06	SAICRB14	C2H5CL	8260	WA			UJ	9
SB-20-06	SAICRB14	T13DCP	8260	WA			UJ	9
SB-20-06	SAICRB14	CH3CL	8260	WA			UJ	9
SB-20-06	SAICRB14	MEC6H5	8260	WA			UJ	9
SB-20-06	SAICRB14	ETC6H5	8260	WA			UJ	9
SB-20-06	SAICRB14	MEK	8260	WA			UJ	9
SB-20-09	SAICRB13	MNBK	8260	WA			UJ	9
SB-20-06	SAICRB14	MIBK	8260	WA			UJ	9
SB-20-06	SAICRB14	CCL3F	8260	WA			UJ	9
SB-20-08	SAIC01	MEC6H5	8260	SO	0.0054	BJP	U	6
SB-20-06	SAICRB14	CHCL3	8260	WA		JP	UJ	9
SB-20-06	SAICRB14	TCLEA	8260	WA			UJ	9
SB-20-09	SAIC01D	CH2CL2	8260	SO	0.0053	JPD	U	7
SB-20-09	SAICRB13	C2H3CL	8260	WA			UJ	9
1-S	SAIC05	TRCLE	8260	WA			UJ	9
1-S	SAICTB01	C2AVE	8260	WA			UJ	4
DI2000	SAIC01	C2AVE	8260	WA			UJ	4
SB-20-04	SAICTB02	C2AVE	8260	WA			UJ	4
SB-20-09	SAICRB13	CCL3F	8260	WA			UJ	9
SB-20-06	SAICRB14	111TCE	8260	WA			UJ	9
SB-20-09	SAICRB13	TRCLE	8260	WA			UJ	9
SB-20-06	SAICRB14	112TCE	8260	WA			UJ	9
SB-20-06	SAICRB14	11DCLE	8260	WA			UJ	9
SB-20-06	SAICRB14	11DCE	8260	WA			UJ	9
SB-20-06	SAICRB14	12DCLE	8260	WA			UJ	9
SB-20-06	SAICRB14	12DCE	8260	WA			UJ	9
SB-20-06	SAICRB14	12DCLP	8260	WA			UJ	9
SB-20-06	SAICRB14	C2AVE	8260	WA			UJ	4, 9
SB-20-09	SAICRB13	MEK	8260	WA			UJ	9
SB-20-06	SAICRB14	CH2CL2	8260	WA			UJ	9
SB-20-07	SAIC01	MEC6H5	8260	SO	0.0055	BJP	U	6
SB-20-06	SAIC01D	MEC6H5	8260	SO	0.0053	BJPD	U	6
SB-20-06	SAIC01	MEC6H5	8260	SO	0.0053	BJP	U	6
SB-20-04	SAIC01D	MEC6H5	8260	SO	0.0055	BJPD	U	6
SB-20-04	SAIC01	MEC6H5	8260	SO	0.0055	BJP	U	6
SB-20-09	SAICRB13	C2AVE	8260	WA			UJ	9, 4
SB-20-09	SAICRB13	ETC6H5	8260	WA			UJ	9
SB-20-09	SAIC01	MEC6H5	8260	SO	0.0053	BJP	U	6
SB-20-09	SAICRB13	CH2CL2	8260	WA			UJ	9
SB-20-09	SAICRB13	MIBK	8260	WA			UJ	9
SB-20-09	SAICRB13	STYR	8260	WA			UJ	9
SB-20-09	SAICRB13	TCLEE	8260	WA			UJ	9
SB-20-09	SAICRB13	MEC6H5	8260	WA			UJ	9
SB-20-09	SAICRB13	T13DCP	8260	WA			UJ	9

Table J-38. Reasons for Validation Qualifiers
Phase IIB RFI, Deseret Chemical Depot, Tooele, Utah

Site ID	Field Sample	Target Compound and Element	Method	Matrix	New Value	Old Flag	Data Validation Qualifier	Reason For Qualification
SB-20-03	SAIC03	MNBK	8260	SO			UJ	4
SB-20-09	SAICRB13	BRDCLM	8260	WA			UJ	9
SB-20-06	SAICRB14	STYR	8260	WA			UJ	9
SB-20-06	SAICRB14	C6H6	8260	WA			UJ	9
SB-20-09	SAICRB13	CCL4	8260	WA			UJ	9
SB-20-09	SAICRB13	CS2	8260	WA			UJ	9
SB-20-09	SAICRB13	CHBR3	8260	WA			UJ	9
SB-20-09	SAICRB13	CLC6H5	8260	WA			UJ	9
SB-20-09	SAICRB13	C6H6	8260	WA			UJ	9
SB-20-09	SAICRB13	ACET	8260	WA			UJ	9
SB-20-09	SAICRB13	12DCLP	8260	WA			UJ	9
SB-20-09	SAICRB13	C2H5CL	8260	WA			UJ	9
SB-20-09	SAICRB13	CHCL3	8260	WA		JP	J	9
SB-20-09	SAICRB13	CH3CL	8260	WA			UJ	9
SB-20-09	SAICRB13	DBRCLM	8260	WA			UJ	9
SB-20-09	SAICRB13	11DCE	8260	WA			UJ	9
SB-20-06	SAICRB14	ACET	8260	WA			UJ	9
SB-20-09	SAICRB13	CH3BR	8260	WA			UJ	9
SB-20-06	SAICRB14	MNBK	8260	WA			UJ	9
SB-20-11	SAIC01	24DNP	8270	SO			UJ	2
SB-20-08	SAIC02	24DNP	8270	SO			UJ	2
SB-20-09	SAIC02	24DNP	8270	SO			UJ	2
SB-20-10	SAIC02	24DNP	8270	SO			UJ	2
SB-20-11	SAIC02	24DNP	8270	SO			UJ	2
SB-20-07	SAIC03	24DNP	8270	SO			UJ	2
SB-20-10	SAIC03	24DNP	8270	SO			UJ	2
SB-20-07	SAIC02	24DNP	8270	SO			UJ	2
SB-20-06	SAIC03	24DNP	8270	SO			UJ	2
SB-20-06	SAIC02	24DNP	8270	SO			UJ	2
SB-20-05	SAIC03	24DNP	8270	SO			UJ	2
SB-20-05	SAIC02	24DNP	8270	SO			UJ	2
SB-20-03	SAIC03	24DNP	8270	SO			UJ	2
SB-20-11	SAIC03	24DNP	8270	SO			UJ	2
SB-20-03	SAIC01	24DNP	8270	SO			UJ	2
SB-20-09	SAIC03	24DNP	8270	SO			UJ	2
SB-20-03	SAIC02	24DNP	8270	SO			UJ	2
SB-20-08	SAIC03	24DNP	8270	SO			UJ	2

Footnotes:
Data Validation Qualifiers:

U -analyte was analyzed for, but was not detected above the reported sample quantitation limit.
J - analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample
UJ-analyte was not detected above the reported sample quantitation limit. The reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.
R - sample result is rejected due to serious deficiencies in the ability to analyze the sample and met quality control criteria. The presence or absence of the analyte cannot be verified.

Reason for Qualification:
2-Initial Calibration %RSD outside QC Limits.
4-Continuing calibration check %difference outside theQC limits.
6-Laboratory Method Blank contamination.

Table J-38. Reasons for Validation Qualifiers
Phase IIB RFI, Deseret Chemical Depot, Tooele, Utah

Site ID	Field Sample	Target Compound and Element	Method	Matrix	New Value	Old Flag	Data Validation Qualifier	Reason For Qualification
7-Trip Blank contamination.								
9-Surrogate results outside the QC limits.								
19-Laboratory Duplicate %RPD outside the QC limits.								
20-Laboratory Matrix Spike outside the QC limits.								
24-ICP serial dilution result outside QC limit.								

Table J-39. Volatile Organic Compound Analysis Surrogate Recovery QC Summary: Soil Phase IIB RFI, Deseret Chemical Depot, Tooele, Utah

VOC Surrogates	Total Number Analyses*	Percent Recovery Range	Control Limits	Number Within Control Limits	Number Outside Control Limits
Toluene-d8	39	89-97	84-138	39	0
4-Bromofluorobenzene	39	84-93	59-113	39	0
1,2-Dichloroethane-d4	39	84-97	70-121	39	0

* Soil Environmental Samples, Laboratory Control Samples, Method Blanks, and MS/MSD Samples

Table J-40. Volatile Organic Compound Analysis Surrogate Recovery QC Summary: Water Phase IIB RFI, Deseret Chemical Depot, Tooele, Utah

VOC Surrogates	Total Number Analyses*	Percent Recovery Range	Control Limits	Number Within Control Limits	Number Outside Control Limits
Toluene-d8	8	86-88	88-110	4	4
4-Bromofluorobenzene	8	87-88	86-115	8	0
1,2-Dichloroethane-d4	8	75-87	76-114	7	1

* Water Environmental Samples, Laboratory Control Samples, Method Blanks, Equipment Rinsates, and Trip Blanks

Table J-41. Semivolatile Organic Compound Analysis Surrogate Recovery QC Summary: Soil Phase IIB RFI, Deseret Chemical Depot, Tooele, Utah

SVOC Surrogates	Total Number Analyses*	Percent Recovery Range	Control Limits	Number Within Control Limits	Number Outside Control Limits
2,4,6-Tribromophenol	43	53-97	12-122	43	0
2-Fluorobiphenyl	43	73-96	30-115	43	0
2-Fluorophenol	43	48-86	25-121	43	0
Nitrobenzene-d5	43	66-100	23-120	43	0
Phenol-d5	43	60-87	24-113	43	0
Terphenyl-d14	43	51-126	18-137	43	0

* Soil Environmental Samples, Laboratory Control Samples, Method Blanks, and MS/MSD Samples

Table J-42. Semivolatile Organic Compound Analysis Surrogate Recovery QC Summary: Water Phase IIB RFI, Deseret Chemical Depot, Tooele, Utah

SVOC Surrogates	Total Number Analyses*	Percent Recovery Range	Control Limits	Number Within Control Limits	Number Outside Control Limits
2,4,6-Tribromophenol	6	42-79	10-123	6	0
2-Fluorobiphenyl	6	45-79	43-116	6	0
2-Fluorophenol	6	31-50	21-100	6	0
Nitrobenzene-d5	6	45-86	35-114	6	0
Phenol-d5	6	21-33	(10-94)	6	0
Terphenyl-d14	6	48-96	33-141	6	0

* Water Environmental Samples, Laboratory Control Samples, Method Blanks, Equipment Rinsates, and Trip Blanks

Table J-43. Volatile Organic Compound Analysis MS/MSD QC Summary: Soil
Phase IIB RFI, Deseret Chemical Depot, Tooele, Utah

	ACCURACY					PRECISION				
VOC MS/MSD Compounds	MS/MSD Calculated Recoveries	Percent Recovery Range	Percent Recovery Control Limits	Number Within Control Limits	Number Outside Control Limits	MS/MSD Calculated RPD	Max. RPD	RPD Limit	Number Within Control Limits	Number Outside Control Limits
1,1-Dichloroethene	4	99-101	59-172	4	0	2	3	22	2	0
Trichloroethene	4	90-92	62-137	4	0	2	1	24	2	0
Benzene	4	94-95	66-142	4	0	2	1	21	2	0
Toluene	4	89-92	59-139	4	0	2	2	21	2	0
Chlorobenzene	4	91-92	60-133	4	0	2	1	21	2	0

Table J-44. Semivolatile Organic Compound Analysis MS/MSD QC Summary: Soil
Phase IIB RFI, Deseret Chemical Depot, Tooele, Utah

	ACCURACY					PRECISION				
SVOC MS/MSD Compounds	MS/MSD Calculated Recoveries	Percent Recovery Range	Percent Recovery Control Limits	Number Within Control Limits	Number Outside Control Limits	MS/MSD Calculated RPD	Max. RPD	RPD Limit	Number Within Control Limits	Number Outside Control Limits
Phenol	6	74-84	26-90	6	0	3	8	42	3	0
2-Clorophenol	6	73-83	25-102	6	0	3	7	40	3	0
1,4-Dichlorobenzene	6	73-83	28-104	6	0	3	10	28	3	0
n-Nitroso-di-n-Propylamine	6	78-90	41-126	6	0	3	11	38	3	0
1,2,4-Trichlorobenzene	6	77-88	38-107	6	0	3	9	28	3	0
4-Chloro-3-methylphenol	6	80-93	26-103	6	0	3	8	42	3	0
Acenaphthene	6	85-96	31-137	6	0	3	7	31	3	0
4-Nitrophenol	6	89-108	11-114	6	0	3	14	50	3	0
2,4-Dinitrotoluene	6	92-108	28-89	0	6	3	30	38	3	0
Pentachlorophenol	6	66-88	17-109	6	0	3	6	50	3	0
Pyrene	6	91-322	35-102	4	2	3	52	31	2	1

Table J-45. Metals MS and Laboratory Duplicate QC Summary: Soil
Phase IIB RFI, Deseret Chemical Depot, Tooele, Utah

	ACCURACY					PRECISION				
Compounds	MS Calculated Recoveries	Percent Recovery Range	Percent Recovery Control Limits	Number Within Control Limits	Number Outside Control Limits	Calculated RPD	Max RPD	RPD Limit	Number Within Control Limits	Number Outside Control Limits
ICP Metals										
Aluminum	NA	NA	NA	NA	NA	3	26	35	3	0
Antimony	3	(10-50)	75-125	0	3	3	0	35	3	0
Barium	3	91-96	75-125	3	0	3	59	35	2	1
Beryllium	3	96-101	75-125	3	0	3	33	35	3	0
Calcium	NA	NA	NA	NA	NA	3	38	35	2	1
Chromium	3	75-84	75-125	3	0	3	23	35	3	0
Cobalt	3	81-90	75-125	3	0	3	14	35	3	0
Copper	2	89-92	75-125	2	0	3	62	35	2	1
Iron	NA	NA	NA	NA	NA	3	64	35	2	1
Magnesium	NA	NA	NA	NA	NA	3	18	35	3	0
Manganese	1	81	75-125	1	0	3	30	35	3	0
Nickel	3	60-90	75-125	2	1	3	38	35	2	1
Potassium	NA	NA	NA	NA	NA	3	18	35	3	0
Silver	3	111-222	75-125	3	0	3	200	35	3	0
Sodium	NA	NA	NA	NA	NA	3	83	35	3	0
Vanadium	3	82-92	75-125	3	0	3	15	35	3	0
Zinc	3	90-123	75-125	3	0	3	5	35	3	0
Arsenic	3	67-90	75-125	2	1	3	22	35	3	0
Cadmium	3	79-86	75-125	3	0	3	35	35	3	0
Lead	3	80-90	75-125	3	0	3	8	35	3	0
Selenium	3	75-101	75-125	3	0	3	48	35	3	0
Thallium	3	68-87	75-125	2	1	3	200	35	3	0
AA Metals										
Mercury	6	79-120	75-125	8	0	7	23	20	7	0

NA=Not Analyzed