Appendix D

Data Quality Summary: Training Area T-38, Former Technical Escort Reaction Area, Parcel 186(6)

Data Quality Summary:
Parcel 186(6), Training Area T-38
Former Technical Escort Reaction Area
McClellan
Anniston, Alabama

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January 2007

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LIST OF ABBREVIATIONS AND ACRONYMS

ADEM	Alabama Department of Environmental Management
Army	United States Department of the Army
CA	Cleanup agreement
CCAL	Continuing calibration
CCB	Continuing calibration blank
COC	Chain-of-custody
DI	Deionized
DQO	Data Quality Objective
DQS	Data Quality Summary
EB	Equipment blank
EMAX	EMAX Laboratories, Torrance, California
EPA	United States Environmental Protection Agency
ESCA	Environmental Services Cooperative Agreement
ESV	Ecological screening value
FD	Field duplicate
GC/MS	Gas chromatography/mass spectrometry
HTRW	Hazardous Toxic and Radioactive Waste
ICAL	Initial calibration
IDL	Instrument detection limit
IS	Internal standard
JPA	Anniston Calhoun County, Fort McClellan Development Joint Powers Authority
LCS	Laboratory control sample
LCSD	Laboratory control sample duplicate
McClellan	McClellan, Anniston, Alabama
MDL	Method detection limit
MES	Matrix Environmental Services, LLC
MS	Matrix spike
MSD	Matrix spike duplicate
PARCCS	Precision, accuracy, representativeness, completeness, comparability, and sensitivity
QA	Quality assurance
QAP	*Quality Assurance Plan*
QC	Quality control
%R	Percent recovery
RL	Reporting limit
RPD	Relative percent difference
RSD	Relative standard deviation
SFSP	*Site-Specific Field Sampling Plan*
SOP	Standard operating procedure
SRM	Standard reference material
SSSL	Site-specific screening level
TB	Trip blank
VOC	Volatile Organic Compound

1.0 INTRODUCTION

Matrix Environmental Services, LLC (MES) has prepared this Data Quality Summary (DQS) in support of the Parcel 186(6), Training Area T-38 Former Technical Escort Area (Training Area T-38) within McClellan, Anniston, Alabama (McClellan) formerly known as Fort McClellan. The purpose of this investigation was to collect additional data to fill data gaps that existed from previous environmental investigations. This investigation has been conducted on behalf of the Anniston-Calhoun County Fort McClellan Development Joint Powers Authority (JPA). The JPA has assumed, from the United States Department of the Army (Army), the responsibility of appropriate investigations and remediation at this and other Hazardous Toxic and Radioactive Waste (HTRW) sites at McClellan. The basis for the investigations and remediation is the execution of an Environmental Services Cooperative Agreement (ESCA) dated September 29, 2003 between the JPA and the Army. In addition, the JPA has negotiated a Cleanup Agreement (CA) with the Alabama Department of Environmental Management (ADEM) that describes the responsibilities of both parties in completing the investigations and remediation of HTRW sites at McClellan. This DQS addresses the data quality review for groundwater, surface water, and seep samples collected during the June 2005 sampling event.

The Site-Specific Field Sampling Plan (SFSP) for Training Area T-38, Parcel 186(67) (MES, 2005a) discusses the approved methods used to conduct the investigation and references the *Quality Assurance Plan* (*QAP), Revision 1* (MES, 2005b), which details the specifics of quality assurance (QA) and quality control (QC) with respect to sampling and data evaluation.

2.0 PROJECT DESCRIPTION

Project objectives and QA objectives in terms of precision, accuracy, representativeness, completeness, comparability, and sensitivity (PARCCS) are described in this section.

2.1 PROJECT OBJECTIVES

The objective of the environmental investigation at Training Area T-38 was to (1) further define the vertical and horizontal extent of groundwater contamination and (2) obtain additional information regarding area hydrogeology. To help meet these objectives, the following field activities were conducted:

- Installed four monitoring wells, one in the bedrock zone and three in the transition zone.
- Performed one round of groundwater sampling from 32 existing monitoring wells and the four new monitoring wells. Analyze the groundwater samples from 36 wells for volatile organic compounds (VOCs), 12 wells for methane, ethane, and ethene, and 2 wells for hexavalent chromium.
- Collected three surface water samples from the unnamed tributary draining into the South Branch of Cane Creek; one at a location upstream of Training Area T-38, one downgradient of CWM-186-SEEP02, and one downstream of Training Area T-38. The surface water samples were analyzed for VOCs.
- Collected four samples from groundwater seeps CWM-186-SEEP01, CWM-186-SEEP02, CWM-186-SEEP03, and CWM-186-SEEP04, and analyzed for VOCs.

2.2 DATA QUALITY LEVELS

During the field program, groundwater, surface water, and seep samples were collected and analyzed with screening level methods for field parameters and definitive level methods for specific chemical analytes. Screening and definitive level data are defined as follows (United States Environmental Protection Agency [EPA], 1994):

- <u>Screening Level Data</u> – Screening level data are subject to minimal QC requirements. Results are often not compound-specific and not quantitative, but results are available in real time. Obtaining screening level data is less costly than obtaining definitive level data, but the results are less defensible because of the greater potential for error and the inherent precision and accuracy limitations. This level is normally used for field investigation health and safety screening, but can also be used to identify media or samples for consideration for further analyses. Field pH, conductivity, temperature, turbidity, dissolved

oxygen, and oxidation/reduction potential measurements collected during this investigation are considered screening level data.

- Definitive Level Data - Analyses performed using established analytical procedures and strict QC procedures produce definitive level data. Applicable SW-846 test methods (EPA, 1986) were used to collect definitive level data for Training Area T-38. Analytical results produced were analyte-specific with confirmation of analyte identity and concentration. Definitive level data meeting quality criteria are suitable for site assessments, risk assessments, remedial design, and remediation efforts.

2.3 DATA QUALITY OBJECTIVES

QA objectives in terms of precision, accuracy, representativeness, completeness, comparability, and sensitivity are outlined below.

Precision is a measure of the reproducibility of a set of duplicate analytical results, usually under prescribed similar conditions. Precision, as discussed in Section A3.3.1 in the *QAP*, is expressed in terms of the relative percent difference (RPD) between duplicate determinations, or in terms of the relative standard deviation (RSD) when three or more determinations are made. Various measures of precision exist depending on the prescribed similar conditions.

Overall sampling and analysis precision was assessed using RPDs for duplicate environmental samples and matrix spike/matrix spike duplicates (MS/MSDs). The RPDs for laboratory control sample/laboratory control sample duplicate (LCS/LCSD) results were used to assess laboratory precision. RPD is defined as the difference between two measurements divided by their mean and expressed as a percent as shown in the following equation:

$$RPD = \frac{|X - Y|}{(X + Y) / 2} \times 100\%$$

Where:

X = Primary sample concentration (primary field investigative sample, MS, or LCS)
Y = Duplicate sample concentration (field duplicate [FD], MSD, or LCSD)

To evaluate precision, the RPDs for MS/MSDs and LCS/LCSDs were compared to laboratory historical limits. The RPDs for FDs were compared to the project precision goal of 50 percent for aqueous samples.

RSD is the standard deviation of a set of values divided by the average value expressed as a percent as shown in the following equation:

$$RSD = S/\overline{X} \times 100$$

where:

S = The standard deviation of the sample data

$\overline{X}$ = The arithmetic mean of the sample data

RSDs can be used to evaluate the linearity of the initial calibration (EPA, 1986).

Accuracy is a measure of the agreement of an analytical result with the true value. Accuracy, as discussed in Section A3.3.2 in the *QAP*, is typically expressed as a percent recovery (%R) calculated by the ratio of the measurement and accepted true value as shown in the following equation:

$$\%R = ((Xs - Xu) / K) \times 100\%$$

where:

Xs = Measured value of the spiked sample

Xu = Measured value of the unspiked sample

K = Known amount of the spike in the sample

Analytical accuracy is assessed through the analysis of spikes such as surrogates, MS/MSDs and LCS/LCSDs, performance evaluation samples, standard reference materials (SRMs) and calibration check samples. Surrogates and MS/MSDs are spiked into the actual sample matrix and are accuracy indicators that take into account the nature of the matrix in question and the native concentration of the analyte spiked. Matrix variability or interferences from high concentrations of native compounds may adversely affect spike recovery and yield less than conclusive data. Accuracy checks that focus on analytical method and consist of compounds spiked in a blank or non-interfering matrix (e.g., LCSs, SRMs, or calibration check samples)

address the accuracy of the method and/or instrumentation at detecting the target analyte(s) at a certain quantification level and are not considered to be subject to matrix effects.

Measuring the accuracy of the overall sampling program can be difficult, especially with respect to collection of samples for the analysis of VOCs. These organic compounds can be volatilized and lost from collected samples and result in a negative bias, or the sample can become contaminated with foreign compounds during sample collection, handling, and preparation, and result in a positive bias. Using proven sample collection methods that incorporate steps to minimize sample disturbance during collection, provide for the isolation of samples from known sources of contamination, and incorporate the immediate preservation of samples on ice should reduce the potential for bias. Accuracy of the sampling system, emphasizing cross-contamination with volatile compounds, can be assessed by evaluating analytical results for field QC samples, including field-prepared field blanks, laboratory-prepared trip blanks, equipment rinseate blanks, laboratory storage blanks, and analytical method blanks.

Representativeness, as described in Section A3.3.3 in the *QAP*, is a qualitative parameter that expresses the degree to which sample data actually represent the matrix conditions. For example, in conducting groundwater monitoring, representativeness requires proper location of wells and the collection of samples under consistent, documented procedures. Wells are located based upon the results of the hydrogeologic study in progress and are designed to provide maximum coverage of the flow conditions. Requirements and procedures for sample collection and handling are designed to maximize sample representativeness. Representativeness can also be monitored by reviewing field documentation and by performing field QA audits.

Completeness, as discussed in Section A3.3.4 in the *QAP*, represents the percentage of valid data collected from a sampling/analytical program or measurement system compared to the amount achieved under optimal conditions. The completeness goal for critical samples (i.e., field samples requiring chemical or geotechnical analysis) is 95 percent. Completeness is calculated using the following formula:

$$\text{Percent Complete} = \frac{\text{Valid Data}}{\text{Total Data}} \times 100\%$$

Comparability, as discussed in Section A3.3.5 of the *QAP*, is a qualitative parameter expressing the confidence with which one data set can be compared with another. Comparability for sampling and analysis tasks is achieved by:

- Specifying well-recognized techniques and accepted standard methods for sampling and analysis, and using well-trained sampling and analysis technicians to execute the prescribed methods consistently.
- Requiring that all sampling and analysis personnel produce adequate documentation to record how the prescribed methods were actually executed.
- Noting non-conformances and corrective measures taken.

Specifying standardized laboratory methods helps to ensure that the data generated for an event are comparable to past and future activities.

Sensitivity is used broadly here to describe the method detection/quantitation/reporting limits established to meet project-specific data quality objectives (DQOs); and not limited to the definition, which describes the capability of a method or instrument to discriminate between measurement responses. Several limits have been established to describe sensitivity requirements as specified in Section A3.3.6 of the *QAP*. Reported instrument detection limits (IDLs) and method detection limits (MDLs) are typically based upon a reagent water matrix or purified solid, and ignore sample matrix interferences and the resulting effects on the limits. For this reason, published MDLs or IDLs may not be achievable for environmental samples. The *QAP* reporting limits (RLs) were generated by the laboratory and may exceed Site-Specific Screening Levels (SSSLs) and Ecological Screening Values (ESVs) (IT, 2000) due to instrument limitations. Section 6.2 discusses the comparisons between the SSSLs, ESVs, and the laboratory RLs and MDLs for this investigation.

2.4 ANALYTICAL SERVICES

EMAX Laboratories, Inc (EMAX), Torrance, California, provided analytical services for the sampling conducted by Bhate Environmental Engineers and Scientists on behalf of MES.

2.4.1 Analytical Program

The *QAP* lists the EPA analytical methods used to meet definitive data requirements. Based on activities conducted at Training Area T-38 during the June 2005 sampling event, the methods used to analyze constituents of concern in samples during the investigation were:

- Method SW8260B – VOCs by Gas Chromatography/Mass Spectrometry (GC/MS)
- Method RSK-175 – Methane, Ethane, and Ethene by Gas Chromatography (GC)
- Method SW7199 – Hexavalent Chromium by Ion Chromatography (IC)

2.4.2 Quality Control

The *SFSPs* and the *QAP* describe the analytical QC requirements. The results of the analytical QC data review for this investigation are presented in Section 5.0.

3.0 DEVIATIONS FROM PLANNED FIELD ACTIVITIES

One deviation from the *SFSP* (MES, 2005a) was noted during the preparation of this DQS. Four instead of five monitoring wells were installed as specified in the *SFSP*. Proposed bedrock well CWM-186-MW60 was not installed because the location was not readily accessible due to the difficult terrain in the area. It was determined by MES that the analytical data from the other existing and newly installed monitoring wells would be sufficient in delineating the extent of the VOC contamination. Data quality was not affected by this deviation.

4.0 ASSESSMENT OF DATA QUALITY

Data quality is assessed through two review processes. The contracted analytical laboratory performs the first data review to assess compliance with *QAP*-approved analytical methods (MES, 2005b) and with laboratory standard operating procedures (SOPs). MES performs the second data review to assess compliance with the QA objectives, and to assess hard copy and electronic deliverable consistency and integrity.

4.1 LABORATORY DATA QUALITY ASSESSMENT

The laboratory data quality assessment includes an analytical data review to ensure accurate and complete data reporting and compliance with the analytical method specifications.

4.1.1 Laboratory Qualification of Data

The laboratory will flag analytical results, when necessary, to indicate potential impacts to data usability and to alert the user to special analytical conditions. More than one qualifier may be used to indicate multiple conditions or situations that apply to an individual result. The following laboratory qualifiers were used during this investigation:

FLAG	DESCRIPTION
E	Result is above the maximum calibration range.
J	Estimated value. The analyte is positively identified and the concentration is less than the reporting limit (RL) but greater than the method detection limit (MDL).
U	Analyte is not detected above the RL.
V	Detected value.

4.2 MES DATA QUALITY AND USABILITY ASSESSMENT

The following sections describe the procedures that MES followed to assess the quality and usability of both field measurement and definitive data. Data assessment is complete when 100 percent of the information have been collected and reviewed. Based on the results of the review process, data are categorized as fully usable, usable as qualified, or rejected.

4.2.1 Data Review and Validation

MES reviewed the analytical data in accordance with the *QAP* (MES, 2005b), *SFSP* (MES, 2005a), analytical methods (EPA, 1986), and *USEPA Contract Laboratory Program National Functional Guidelines for Organic and Inorganic Data Review* (EPA, 1999 and 2002). The data review process included reviewing and evaluating 100 percent of the hard copy data for (1) extraction and analysis holding times, (2) surrogate recoveries, (3) blank detections, (4) LCS/LCSD recoveries and RPDs, (5) MS/MSD recoveries and RPDs, (6) FD RPDs, (7) laboratory duplicate RPDs, if applicable, (8) initial and continuing calibrations, (9) instrument tuning and performance, and (10) reporting limits.

Hard copy data packages were checked to verify that the following items were included:

- Case narrative,
- Data summary sheets,
- Initial and continuing calibrations,
- Method or preparation blanks (at least one per QC batch),
- MS/MSD (5% of client samples),
- LCS/LCSD (one per QC batch),
- Duplicate analyses (laboratory duplicate sample, LCS/LCSD and/or MS/MSD, as applicable),
- Holding times,
- Retention time window calculation (if applicable),
- Standard preparation sheets, and
- Linear range calculations (correlation coefficients).

The results of the review of the chemical data obtained during this investigation are included in Section 5.0.

4.2.2 MES Qualification of Data

Based on the data review, MES assigned final qualifiers to analytical results on both the hard copy results and in the database. The following final qualifiers were assigned to the results to describe data quality and usability:

FLAG	DESCRIPTION
J	Estimated detection. The associated numerical value is the approximate concentration of the analyte in the sample.

FLAG	DESCRIPTION
UJ	Analyte was analyzed for, but was not detected. The reported quantitation limit is estimated.

In addition to the qualifier, a sub-qualifier was applied to describe the specific multiple conditions or situations that apply to an individual result. These qualifiers and sub-qualifiers are collectively referred to as validation codes.

FLAG	DESCRIPTION
C	Continuing calibration was outside method-specific control limits.
I	Initial calibration was outside method-specific control limits.
M	The MS and MSD recoveries were outside laboratory historical control limits.
S	Surrogate recovery was outside laboratory historical control limits.
X	Result exceeded the calibration range of the instrument.

Whenever duplicate sets of results were reported by the laboratory due to re-extractions, re-analyses, or dual column analytical methods, the MES reviewer chose the "most-preferred" results based on the data review. In the "Reportable Result" column shown on the hard copy sample data reports and the database, MES assigned a "Y" flag for the "most-preferred" results, and an "N" flag for the "least-preferred" results. When there was only one set of laboratory reported results, MES assigned a "Y" flag in the "Reportable Result" column. In Section 5.0, only the reportable results (flagged "Y") are shown in tables in Section 5.0.

5.0 RESULTS OF QUALITY CONTROL ANALYSES

Table D5-1 lists samples and analytical methods included in the investigation for Training Area T-38. To evaluate the data quality, the results were compared to method requirements and laboratory historical control limits.

Table D5-2 lists the analytical results that were qualified based on the data review process. Table D5-3 summarizes the number of records that were qualified for each analytical method. Based on the information in Tables D5-2 and D5-3, 2.4 percent of the analytical data were qualified, and no analytical data were rejected. The results of the data review process are discussed further in the following sections.

5.1 QUALITY CONTROL PROCEDURES AND RESULTS OF QUALITY CONTROL ANALYSES

Two types of QC results were used to evaluate data quality: field QC samples were collected and analyzed to evaluate field sampling activities, and laboratory QC samples were analyzed to evaluate laboratory analytical procedures and maintain control of the analytical methods.

5.1.1 Field Quality Control Procedures and Analyses

Field QC samples included MS/MSD samples, FDs, source water samples, equipment blanks and trip blanks. The *SFSPs* and *QAP* were used as guidance documents to identify the appropriate number of field QC samples, procedures for their collection and analysis, and evaluation of results required for this investigation. The evaluation procedures for the field QC sample analyses are summarized below.

5.1.1.1 Matrix Spike/Matrix Spike Duplicate Samples

MS/MSD samples are investigative samples spiked by the laboratory with known concentrations of target analytes. MS/MSD sample results are used to evaluate possible matrix interferences. The formulas used to calculate the percent recoveries and RPDs are presented in Section 2.3.

Accuracy was assessed by calculating the MS/MSD percent recoveries of the concentrations of the target analytes added to the investigative sample. The percent recoveries were then compared to laboratory historical control limits. When the MS and MSD percent recoveries were outside laboratory historical control limits, the MS/MSD qualifications were used to qualify the spiked sample results only. Qualifiers were applied only when both the MS and MSD percent recoveries were outside laboratory historical control limits. Low recoveries in an MS/MSD sample pair may indicate the matrix has negatively influenced the results. Constituent concentrations could be potentially higher in samples with low MS/MSD recoveries. High MS/MSD recoveries may indicate the matrix has positively influenced the results. Constituent concentrations may be potentially lower in samples with high MS/MSD recoveries.

Precision was assessed by calculating the RPDs for the MS/MSD sample pairs. The MS/MSD RPD values were reviewed to assess the precision of the analytical results based on the magnitude of the RPD values. In cases where a target analyte was not detected in either the MS or MSD or was detected in only one of the samples, an RPD would not be valid, and therefore, was not calculated. Qualifiers were not applied based on MS/MSD RPD values, however, the MS/MSD RPD values were compared to laboratory historical control limits to assess if further evaluation of the data was warranted.

For this investigation, two MS/MSDs were analyzed for Method 8260B, one MS/MSD for Method RSK-175, and one MS for Method SW7199. Only one investigative sample result was qualified as an estimated detect (JM) because of MS and MSD percent recovery data that were outside laboratory historical control limits as shown in Table D5-4. A summary of the MS/MSD percent recovery data is shown in Table D5-5. For methane in sample CWM-186-MW23 and 1,1,2,2-tetrachloroethane in sample CWM-186-SEEP03, the MS and MSD percent recoveries were outside laboratory historical control limits. However, because the spike amounts for these analytes were less than four times the sample concentrations, the MS/MSDs could not be properly assessed. Therefore no qualifiers were applied for methane in sample CWM-186-MW23 and 1,1,2,2-tetrachloroethane in sample CWM-186-SEEP03.

The MS/MSD RPD results are shown in Table D5-5. No MS/MSD RPD values exceeded the laboratory's historical control limits. Therefore, the overall variability of the precision measurements is considered to be acceptable.

5.1.1.2 Field Duplicate Samples

FD samples were collected and analyzed as specified in the *QAP* (Section A6.3.5) and *SFSP*. FD samples are independent samples collected simultaneously or in immediate succession with the original investigative samples such that they are expected to be equally representative of the medium at the time of sampling. These samples provide precision information for the entire measurement system, including sample collection, handling, shipping, storage, preparation, and analysis. The precision of FD pairs were assessed by calculating the RPDs using the equation in Section 2.3. In cases where a target analyte was not detected in either sample or was detected in only one of the samples, an RPD would not be valid, and therefore, was not calculated.

A total of one seep and two groundwater FD samples were collected for this investigation. Table D5-6 lists the original station names from the COC forms (i.e. COC IDs used to disguise the sample's identity when the sample was sent to the laboratory), the parent station name, and the methods analyzed. The results for the FD and associated investigative sample analyses were reviewed to assess the precision of the analytical results based on the magnitude of the RPD values.

Table D5-7 shows the RPDs calculated for the investigative and FD sample pairs. The criterion of 50 percent for aqueous samples was used to assess if further evaluation of the data was warranted. Of the 27 field duplicate comparisons, no RPD values exceeded 50 percent. Therefore, the overall variability of the precision measurements is considered to be acceptable.

5.1.1.3 Material, Equipment, and Trip Blanks Analyses

A material blank sample is defined as a sample of a "clean" reagent source such as deionized (DI) water, a chemical reagent source, or a sampling medium such as air filter or sorbent cartridge considered to be "analyte-free" or "background-free" of contamination. Material blanks are collected from the rinse water (provided by the contractor) used during decontamination

procedures to monitor the rinse water for potential contaminants. If these blanks show elevated concentrations of target analytes, the corresponding data set may be considered biased (MES, 2005b). The collection of material blanks were inadvertently overlooked by the field personnel during this investigation. The two investigative samples with the Station Name of "Material Blank" are actually equipment rinsate blanks. Because equipment blanks can provide information regarding the content of the source water, no further action was taken based on the lack of material blank samples. Equipment blanks are explained in further detail later in this section of the report.

Equipment blanks (EBs) are samples of distilled water poured into, over, or pumped through a sampling device. EBs are collected in a sample container and transported to the laboratory for analysis. EBs are used to assess the effectiveness of equipment decontamination procedures. EBs were analyzed for the same laboratory analyses requested for the associated investigative samples (MES, 2005b). Four EB samples were collected for this investigation. The equipment blanks collected on 6/14/05 and 6/16/05 (Station Name EQUIPMENT BLANK, COC #s 2066 and 2065, respectively) are associated with investigative groundwater samples. The equipment blanks collected on 6/17/05 (Station Name MATERIAL BLANK, COC #s 2067 and 2068) are associated with investigative surface water and seep samples, respectively. The EB samples had estimated detections of target analytes as shown in Table D5-8. Because it could not be determined which investigative sample(s) were directly affected, nor the extent of the possible affect, no qualifiers were applied based on the equipment blank samples.

Trip blanks (TBs) are used to assess the potential introduction of contaminants from sample containers or during the sampling, transportation, and storage procedures (MES, 2005b). A TB sample consists of VOC sample vials filled in the laboratory with ASTM Type II reagent grade water, transported to the sampling site, handled like an environmental sample and returned to the laboratory for analysis. TBs are not opened in the field and are only prepared when aqueous VOC samples are scheduled to be collected and analyzed by the laboratory. Sample results are considered affected by trip blank contamination when the sample concentration is less than five times the blank concentration (ten times for common laboratory contaminants acetone, methylene chloride, and 2-butanone). Affected sample results less than the reporting limit and less than five times the associated blank concentration are considered non-detects at the reporting limit. Affected

sample results greater than the reporting limit and less than five times the blank are considered non-detects at the concentration observed in the sample. No target analytes were detected in the TB samples for this investigation, therefore, no qualifiers were required based on trip blank results.

5.1.2 Laboratory Quality Control Procedures and Analyses

Laboratory QC checks include internal system checks and QC samples used to monitor the possible effect of laboratory activities on sample results. The analytical method and method-specific SOPs developed by the laboratory define the types of laboratory QC checks required. QC procedures followed by the laboratory include sample container inspection, COC documentation review, sample holding time review, LCS/LCSD analyses, method blank analyses, and surrogate spike percent recovery evaluation. The laboratories are also responsible for analytical instrument calibration, which includes method-specific criteria for initial and continuing calibrations for external and internal standard calibration procedures.

5.1.2.1 Initial Sample Inspection and Chain-of-Custody Documentation

The laboratory inspected the shipping containers upon receipt and compared the contents with the chain-of-custody (COC) form associated with each cooler. Information from the sample check-in procedure was recorded on the Sample Receipt Form. Sample anomalies were documented on the Sample Receipt Form. These forms were used by the laboratory to document that sample identifications listed on the COC forms agreed with the samples contained in the coolers. The laboratory verified that COC forms were filled out properly, sample containers were not broken, custody seals were intact, the pH met method-specific criteria for water samples (if applicable), and cooler temperatures were maintained at 4 ± 2 degrees Celsius. The completed forms are included in the laboratory analytical packages and were reviewed during the data review process.

MES compared the data on the COC forms with the laboratory reports and documented any differences. If minor discrepancies were found and verified by the laboratory, the laboratory reports and MES electronic databases were corrected. In addition to the COC checks, MES reviewers verified approximately 10 percent of the laboratory hard copy reports against the laboratory electronic data deliverables.

5.1.2.2 Holding Times

Samples were shipped regularly in coordination with the analytical laboratory to ensure analyses were conducted within the required holding times. The time elapsed between sample collection and sample extraction/analysis was calculated as part of the review process to evaluate if holding times were met. Holding time criteria were met for this investigation.

The VOC vials for sample CWM-186-MW23 were received by the laboratory containing a bubble < 6mm. Because the bubbles were < 6mm, no qualifiers were required.

5.1.2.3 Laboratory Control Sample/Laboratory Control Sample Duplicate

The laboratory analyzed LCS/LCSD pairs with each analytical batch of field samples to assess internal precision and accuracy. LCS/LCSD pairs consisted of analyte-free water spiked with selected target constituents of known concentration. The LCS/LCSD percent recoveries and RPDs are used to determine laboratory accuracy and precision, respectively. The formulas used to calculate the percent recoveries and RPDs are presented in Section 2.3. The percent recoveries and RPDs were then compared to laboratory historical control limits. When the LCS and LCSD percent recoveries were outside laboratory historical control limits, the LCS/LCSD qualifications were applied to investigative samples within the same analytical batch. Qualifiers were applied only when both the LCS and LCSD percent recoveries were outside laboratory historical control limits. Qualifiers were not applied based on LCS/LCSD RPD values, however, the LCS/LCSD RPD values were compared to laboratory historical control limits to assess if further evaluation of the data was warranted. For this investigation, MES reviewed the LCS/LCSD percent recoveries and RPDs for Methods 8260B, RSK-175, and SW7199.

Table D5-9 shows the LCS/LCSD percent recovery and RPD data. Because percent recoveries were within the laboratory historical control limits, no qualifiers were required for the analytical results for aqueous samples. Of the 1136 LCS/LCSD comparisons, only two of the RPD values exceeded the laboratory historical control limits. 99.8 percent of the LCS/LCSD RPD results were within the laboratory control limits, therefore, the overall variability of the precision measurements is considered to be acceptable.

5.1.2.4 Method Blank and Continuing Calibration Blank Samples

Method blanks are prepared and analyzed by the laboratory to assess the level of background interferences and possible contamination in the analytical system. The method blank must be carried through the complete procedure and contain analyte-free reagents in the same volumes as used in processing the samples. The goal is to conduct investigative sample analysis in such a manner that sample contamination is not introduced by the analytical methods, equipment, or reagents. If such contamination occurs, it is usually identified by the detection of target analytes at trace or low concentrations in the method blanks. When these detections are found, the laboratory investigates the source, qualifies the affected data as appropriate according to the magnitude of the detections, and implements corrective measures as appropriate. For this investigation, method blanks were prepared and analyzed with each analytical batch for Methods 8260B, RSK-175, and SW7199.

Continuing calibration blanks (CCBs) are used to check the instrument calibration and level of background interferences. CCBs are prepared by acidifying reagent water to the same concentrations of the acids used in the calibration standards and investigative samples. No CCBs were required by the methods used in this investigation.

The following qualifications are used based on blank contamination:

- When a volatile target analyte was detected in the sample and associated method blank, affected sample results with concentrations less than five times the blank concentration (ten times for common laboratory contaminants acetone, methylene chloride, and 2-butanone) were qualified as non-detect (UB) at the reporting limit (when the sample concentration was less than the reporting limit) or qualified as non-detect (UB) at the concentration observed in the sample (when the sample concentration was greater than the reporting limit).

- When a metal target analyte was detected in the sample and associated method blank, if the method blank result was above the MDL but below the RL, no qualifiers were required. When the method blank result was above the RL, associated sample results above the MDL but below the RL were qualified as non-detect (UB) at the RL, and associated sample results above the RL but below ten times the blank concentration were qualified as estimated (JB).

- When a metal target analyte was detected in the sample and associated continuing calibration blank (CCB), affected sample results with concentrations > MDL but ≤ RL were qualified as non-detect (UB) at the RL; associated sample results with concentrations > RL but < 5x the

blank concentration were qualified as non-detect (UB) at the sample concentration; for sample results with concentrations > RL and > 5x the blank concentration, no qualifiers were required.

- When a metal target analyte was reported as a negative concentration in the associated method and/or continuing calibration blank, affected sample detects with concentrations less than five times the absolute value in the associated blank were qualified as estimated (J-) and may be biased low, and affected sample non-detects were qualified as estimated (UJ-) and may be potential false negatives.

No sample results were qualified based on method blank results.

5.1.2.5 Surrogate Recovery

Surrogate spike compounds were added to investigative samples during organic analyses to assess the individual matrix effect of investigative samples and to monitor overall analytical system performance. Surrogate recoveries that are outside the laboratory historical control limits may indicate performance problems with the analytical system and extraction procedures, or significant matrix effects when evaluated in conjunction with the MS/MSD results. MES reviewers used laboratory historical control limits to assess percent recoveries for surrogate spike constituents. For sample results affected by surrogate percent recoveries less than the lower control limit, detects may be biased low and non-detects may be potential false negatives. For sample results affected by surrogate percent recoveries greater than the upper control limit, detects may be biased high. No qualifiers are required for non-detect results based on high surrogate recoveries.

Table D5-10 shows the sample results that were qualified based on surrogate recoveries outside the laboratory historical control limits. A summary of the surrogate percent recovery data is provided in Table D5-11 for undiluted samples and diluted samples whose surrogates were not diluted out.

5.1.2.6 Internal Standards

Adherence to method-specific internal standards (ISs) criteria ensures that GC/MS sensitivity and response are stable during each analysis. *SW846* recommended ISs are often brominated, fluorinated, or stable isotopically labeled analogs of specific target compounds, or are closely related compounds whose presence in environmental samples is unlikely. The IS spike solution is

added after the preparation or extraction of a sample. ISs are used in internal calibration methods to correct sample results affected by column injection loss, purging loss, or viscosity effects. ISs are added to environmental samples, control standards, and blanks, in accordance with method requirements and laboratory SOPs (MES, 2005b).

For sample results affected by IS area counts less than the lower control limit, detects and non-detects were qualified as estimated. For sample results affected by IS area counts greater than the upper control limit, detects were qualified as estimated; no qualifiers were required for non-detect results based on high IS area counts. For sample results affected by extremely low IS area counts, detects were qualified as estimated and non-detects were rejected. No qualifiers were required for this investigation based on the IS data.

5.1.2.7 Initial and Continuing Calibration

The calibration of an analytical instrument involves the delineation of the relationship between the response of the instrument and the concentration of an analyte introduced into the instrument. An initial calibration (ICAL) is performed on an analytical instrument prior to the analysis of samples to ensure that the equipment is capable of producing acceptable qualitative and quantitative data. The continuing calibration (CCAL) is the verification of the ICAL at periodic intervals. The CCAL demonstrates that the instrument is capable of acceptable performance during the course of the analytical analysis. Review of the ICAL data included the evaluation of the correlation coefficients and relative standard deviations. Review of the CCAL data included the evaluation of the percent difference based on the CCAL relative response factor (RRF) compared to the ICAL RRF, and the check of the percent recovery or percent difference between the concentration of the CCAL standard and the expected concentration.

For sample results associated with ICAL data that did not meet method-specific criteria, detects and non-detects were qualified as estimated (JI and UJI, respectively). Sample results qualified based on ICAL data that were outside criteria are shown in Table D5-12.

For sample results associated with CCAL data that did not meet method-specific criteria, detects and non-detects were qualified as estimated (JC and UJC, respectively). Sample results qualified based on CCAL data that were outside criteria are shown in Table D5-13.

5.1.2.8 Miscellaneous Qualifiers

Trans-1,2-dichloroethene was above the calibration range of the instrument in investigative sample CWM-186-MW40 and its field duplicate. The laboratory re-analyzed these samples at a 500 and 1000 times dilutions, however, the trans-1,2-dichloroethene results from the diluted analyses were either nondetect or well below the RL. Therefore, the qualified (JX) trans-1,2-dichloroethene results from the undiluted analyses for investigative sample CWM-186-MW40 and its field duplicate were used for this investigation. Table D5-14 shows the reported sample results that were qualified because they were above the calibration range of the instrument.

5.2 SUMMARY OF DATA QUALITY INDICATORS

The data quality objectives, precision, accuracy, representativeness, completeness, and comparability, were evaluated and are discussed in the following subsections.

5.2.1 Precision

As discussed in Section 2.3, the precision evaluation included field precision (FDs), laboratory precision (LCS/LCSDs), and combined field/laboratory precision (MS/MSD samples). The MS/MSD, FD, and LCS/LCSD RPDs are discussed in Sections 5.1.1.1, 5.1.1.2, and 5.1.2.3 of this report, respectively. Based on this evaluation, the precision of the data is acceptable for its intended use.

5.2.2 Accuracy

As discussed in Section 2.3, the accuracy evaluation included a comparison of spike recoveries from field samples (surrogate and MS/MSD spikes) and laboratory QC samples (LCS and LCSD). The MS/MSD, LCS/LCSD, and surrogate spike recoveries are discussed in Sections 5.1.1.1, 5.1.2.3, and 5.1.2.5 of this report, respectively. Recoveries from MS/MSDs, LCS/LCSD and

surrogate percent recoveries were compared to laboratory historical control limits to determine a laboratory's ability to accurately determine both qualitative and quantitative results. The investigative sample results were within the required percent recovery limits except as noted. The accuracy of sample results can also be affected by holding time violations discussed in Section 5.1.2.2. The investigative sample results were within the required holding time limits. Based on this evaluation, the accuracy of the data is acceptable for its intended use.

5.2.3 Representativeness

Representativeness is the degree to which the data accurately and precisely portray the environmental conditions being studied. For this investigation, sampling procedures and locations were selected to accurately represent overall site conditions and were biased towards areas that were likely to exhibit evidence of past releases. Sampling was conducted using known, approved field procedures to minimize variability introduced during field sampling. The investigative and FD analyses indicate that the overall combined variability introduced by the sampling procedures, sample matrix, and laboratory analysis is acceptable, and the FD samples are representative of the data associated with the investigative sample.

5.2.4 Completeness

Completeness refers to the amount of valid data obtainable from a measurement system compared to the expected amount of data. Data that have not been qualified as rejected during the data validation process are considered to be valid. As presented in the *QAP* (MES, 2005b), a completeness goal of 95 percent was established for investigations. Of the 3,264 investigative and field duplicate sample results from the investigation, no results were qualified as rejected based on MES' review of the data. Therefore a completeness of 100 percent was calculated for the investigation, which exceeds project goals. 100 percent of the results are usable or usable as qualified and are acceptable for their intended use.

5.2.5 Comparability

Comparability expresses the confidence with which one data set can be compared to another. Comparability objectives were met by minimizing the number of contract laboratories used, using EPA methods for analyses, and reporting results in standardized units. The comparability objective for the project was fulfilled.

6.0 REPORTING LIMITS AND DATA USES

This section discusses the laboratory reporting limits and how they compare to SSSLs and ESVs shown in the *Human Health and Ecological Screening Values and PAH Background Summary Report* (IT, 2000).

6.1 LABORATORY REPORTING LIMITS

EMAX confirms reporting limits on an annual or quarterly basis by performing MDL studies. The MDL is defined as the minimum concentration of a substance that can be measured and reported with 99 percent confidence that the analyte concentration is greater than zero and is generated from the analysis of a sample in a given matrix containing the analyte (40 Code of Federal Regulations, Chapter 1, Part 136, Appendix B). The reporting limit is defined as the lowest concentration of the target analyte required to be reported. This value is based on project-specific criteria.

The laboratory reports detections that are below the reporting limit as estimated values by assigning a flag to the analytical result. This flag is assigned because the laboratory cannot accurately quantify analyte concentrations at levels below the reporting limit. For detections in the concentration range between the MDL and the reporting limit, the laboratory is confident of the analyte identification and detection but can only estimate the analyte concentration.

6.2 COMPARISON OF LABORATORY REPORTING LIMITS TO SSSLs AND ESVs

For this assessment, the SSSLs and ESVs shown in *Human Health and Ecological Screening Values and PAH Background Summary Report* (IT, 2000) were compared to the laboratory reporting limits and MDLs. Tables D6-1 and D6-2 presents a summary of the reporting limits and MDLs compared to SSSLs and ESVs for groundwater samples, and surface water and seep samples, respectively. If an SSSL or ESV was not available for comparison, the target analyte was not shown on Tables D6-1 and D6-2. The laboratory reporting limits and MDLs for the investigative samples were equal to or lower than the SSSLs and ESVs with the exception of the analytes shown in Tables D6-1 and D6-2. These limits were above the SSSLs and/or ESVs due to limitations with the analytical methods and/or sample matrix interferences.

7.0 CONCLUSIONS

This DQS presents in specific terms the QA and QC practices used to achieve the project objectives for the Training Area T-38 investigation. Samples were also collected and analyzed in accordance with EPA methods and using laboratory-specific QA/QC procedures. These procedures were followed to generate legally and technically defensible data.

Several of the quality issues addressed in Section 5.0 of this report resulted in qualification of investigative sample results. The data were generally acceptable with the following qualifications:

- Only one sample result was qualified as an estimated detect (JM) because of MS and MSD percent recovery data that were outside laboratory historical control, as shown in Table D5-4.
- Fourteen sample results were qualified based on surrogate recoveries outside the laboratory historical control limits, as shown in Table D5-10.
- Fifty-one sample results were qualified based on ICAL data that were outside criteria, as shown in Table D5-12.
- Thirty-eight sample results were qualified based on CCAL data that were outside criteria, as shown in Table D5-13.
- Two sample results were qualified because they were above the calibration range of the instrument, as shown in Table D5-14.

Based on this review, the analytical data generated for this investigation are adequate to fulfill program objectives and may be used to define the nature and extent of contamination and support the selection and implementation of any appropriate corrective measure.

8.0 REFERENCES

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TABLES

TABLES

Table D5-1: Sample Index
Parcel 186(6), Training Area T-38
McClellan, Anniston, Alabama

Site Name	Station Name	Matrix	QC Code	Sample Date	Lab	Delivery Group	Laboratory Sample ID	Method
PARCEL 186(6), TRAINING AREA T-38	CWM-186-MW03	WG	NS	6/16/05	EMXT	05F177	F177-03	RSK-175
PARCEL 186(6), TRAINING AREA T-38	CWM-186-MW03	WG	NS	6/16/05	EMXT	05F177	F177-03	SW8260B
PARCEL 186(6), TRAINING AREA T-38	CWM-186-MW03	WG	NS	6/16/05	EMXT	05F177	F177-03T	SW8260B
PARCEL 186(6), TRAINING AREA T-38	CWM-186-MW05	WG	NS	6/16/05	EMXT	05F177	F177-02	SW8260B
PARCEL 186(6), TRAINING AREA T-38	CWM-186-MW08	WG	NS	6/14/05	EMXT	05F143	F143-05	SW8260B
PARCEL 186(6), TRAINING AREA T-38	CWM-186-MW08	WG	NS	6/14/05	EMXT	05F143	F143-05	SW7199
PARCEL 186(6), TRAINING AREA T-38	CWM-186-MW08	WG	LD	6/14/05	EMXT	05F143	F143-05D	SW7199
PARCEL 186(6), TRAINING AREA T-38	CWM-186-MW10	WG	NS	6/13/05	EMXT	05F134	F134-01	RSK-175
PARCEL 186(6), TRAINING AREA T-38	CWM-186-MW10	WG	NS	6/13/05	EMXT	05F134	F134-01	SW8260B
PARCEL 186(6), TRAINING AREA T-38	CWM-186-MW14	WG	NS	6/15/05	EMXT	05F165	F165-01	SW8260B
PARCEL 186(6), TRAINING AREA T-38	CWM-186-MW15	WG	NS	6/15/05	EMXT	05F165	F165-02	SW8260B
PARCEL 186(6), TRAINING AREA T-38	CWM-186-MW15	WG	NS	6/15/05	EMXT	05F165	F165-02T	SW8260B
PARCEL 186(6), TRAINING AREA T-38	CWM-186-MW16	WG	NS	6/15/05	EMXT	05F165	F165-03R	SW8260B
PARCEL 186(6), TRAINING AREA T-38	CWM-186-MW18	WG	NS	6/9/05	EMXT	05F117	F117-01	SW8260B
PARCEL 186(6), TRAINING AREA T-38	CWM-186-MW19	WG	NS	6/9/05	EMXT	05F117	F117-02	SW8260B
PARCEL 186(6), TRAINING AREA T-38	CWM-186-MW20	WG	NS	6/15/05	EMXT	05F165	F165-04	SW8260B
PARCEL 186(6), TRAINING AREA T-38	CWM-186-MW21	WG	NS	6/14/05	EMXT	05F143	F143-03	RSK-175
PARCEL 186(6), TRAINING AREA T-38	CWM-186-MW21	WG	NS	6/14/05	EMXT	05F143	F143-03	SW8260B
PARCEL 186(6), TRAINING AREA T-38	CWM-186-MW23	WG	NS	6/10/05	EMXT	05F130	F130-03	SW8260B
PARCEL 186(6), TRAINING AREA T-38	CWM-186-MW23	WG	NS	6/10/05	EMXT	05F130	F130-03	RSK-175
PARCEL 186(6), TRAINING AREA T-38	CWM-186-MW23	WG	NS	6/10/05	EMXT	05F130	F130-03I	RSK-175
PARCEL 186(6), TRAINING AREA T-38	CWM-186-MW23	WG	MS	6/10/05	EMXT	05F130	F130-03M	RSK-175
PARCEL 186(6), TRAINING AREA T-38	CWM-186-MW23	WG	MS	6/10/05	EMXT	05F130	F130-03M	SW8260B
PARCEL 186(6), TRAINING AREA T-38	CWM-186-MW23	WG	MSD	6/10/05	EMXT	05F130	F130-03S	RSK-175
PARCEL 186(6), TRAINING AREA T-38	CWM-186-MW23	WG	MSD	6/10/05	EMXT	05F130	F130-03S	SW8260B
PARCEL 186(6), TRAINING AREA T-38	CWM-186-MW24	WG	NS	6/13/05	EMXT	05F134	F134-02	SW8260B
PARCEL 186(6), TRAINING AREA T-38	CWM-186-MW25	WG	NS	6/2/05	EMXT	05F035	F035-01	SW8260B
PARCEL 186(6), TRAINING AREA T-38	CWM-186-MW26	WG	NS	6/2/05	EMXT	05F035	F035-02	RSK-175
PARCEL 186(6), TRAINING AREA T-38	CWM-186-MW26	WG	NS	6/2/05	EMXT	05F035	F035-02T	RSK-175
PARCEL 186(6), TRAINING AREA T-38	CWM-186-MW26	WG	NS	6/2/05	EMXT	05F035	F035-02	SW8260B
PARCEL 186(6), TRAINING AREA T-38	CWM-186-MW26	WG	NS	6/2/05	EMXT	05F035	F035-02I	SW8260B
PARCEL 186(6), TRAINING AREA T-38	CWM-186-MW26	WG	NS	6/2/05	EMXT	05F035	F035-02T	SW8260B
PARCEL 186(6), TRAINING AREA T-38	CWM-186-MW28	WG	NS	6/8/05	EMXT	05F107	F107-01R	SW8260B

Table D5-1: Sample Index
Parcel 186(6), Training Area T-38
McClellan, Anniston, Alabama

Site Name	Station Name	Matrix	QC Code	Sample Date	Lab	Delivery Group	Laboratory Sample ID	Method
PARCEL 186(6), TRAINING AREA T-38	CWM-186-MW29	WG	NS	6/8/05	EMXT	05F107	F107-02	RSK-175
PARCEL 186(6), TRAINING AREA T-38	CWM-186-MW29	WG	NS	6/8/05	EMXT	05F107	F107-02R	SW8260B
PARCEL 186(6), TRAINING AREA T-38	CWM-186-MW30	WG	NS	6/14/05	EMXT	05F143	F143-06	SW7199
PARCEL 186(6), TRAINING AREA T-38	CWM-186-MW30	WG	NS	6/14/05	EMXT	05F143	F143-06	SW8260B
PARCEL 186(6), TRAINING AREA T-38	CWM-186-MW30	WG	MS	6/14/05	EMXT	05F143	F143-06M	SW7199
PARCEL 186(6), TRAINING AREA T-38	CWM-186-MW30	WG	LD	6/14/05	EMXT	05F143	F143-06D	SW7199
PARCEL 186(6), TRAINING AREA T-38	CWM-186-MW32	WG	NS	6/3/05	EMXT	05F050	F050-01	RSK-175
PARCEL 186(6), TRAINING AREA T-38	CWM-186-MW32	WG	NS	6/3/05	EMXT	05F050	F050-01	SW8260B
PARCEL 186(6), TRAINING AREA T-38	CWM-186-MW32	WG	NS	6/3/05	EMXT	05F050	F050-01T	SW8260B
PARCEL 186(6), TRAINING AREA T-38	CWM-186-MW34	WG	NS	6/17/05	EMXT	05F188	F188-01R	SW8260B
PARCEL 186(6), TRAINING AREA T-38	CWM-186-MW35	WG	NS	6/14/05	EMXT	05F143	F143-02	SW8260B
PARCEL 186(6), TRAINING AREA T-38	CWM-186-MW37	WG	NS	6/10/05	EMXT	05F130	F130-02	SW8260B
PARCEL 186(6), TRAINING AREA T-38	CWM-186-MW39	WG	NS	6/6/05	EMXT	05F076	F076-03	RSK-175
PARCEL 186(6), TRAINING AREA T-38	CWM-186-MW39	WG	NS	6/6/05	EMXT	05F076	F076-03	SW8260B
PARCEL 186(6), TRAINING AREA T-38	CWM-186-MW39	WG	NS	6/6/05	EMXT	05F076	F076-03T	SW8260B
PARCEL 186(6), TRAINING AREA T-38	CWM-186-MW40	WG	NS	6/7/05	EMXT	05F088	F088-01	RSK-175
PARCEL 186(6), TRAINING AREA T-38	CWM-186-MW40	WG	NS	6/7/05	EMXT	05F088	F088-01	SW8260B
PARCEL 186(6), TRAINING AREA T-38	CWM-186-MW40	WG	NS	6/7/05	EMXT	05F088	F088-01I	SW8260B
PARCEL 186(6), TRAINING AREA T-38	CWM-186-MW40	WG	NS	6/7/05	EMXT	05F088	F088-01T	SW8260B
PARCEL 186(6), TRAINING AREA T-38	CWM-186-MW40	WG	FD	6/7/05	EMXT	05F088	F088-02	RSK-175
PARCEL 186(6), TRAINING AREA T-38	CWM-186-MW40	WG	FD	6/7/05	EMXT	05F088	F088-02	SW8260B
PARCEL 186(6), TRAINING AREA T-38	CWM-186-MW40	WG	FD	6/7/05	EMXT	05F088	F088-02I	SW8260B
PARCEL 186(6), TRAINING AREA T-38	CWM-186-MW40	WG	FD	6/7/05	EMXT	05F088	F088-02T	SW8260B
PARCEL 186(6), TRAINING AREA T-38	CWM-186-MW45	WG	NS	6/6/05	EMXT	05F076	F076-02	SW8260B
PARCEL 186(6), TRAINING AREA T-38	CWM-186-MW45	WG	NS	6/6/05	EMXT	05F076	F076-02T	SW8260B
PARCEL 186(6), TRAINING AREA T-38	CWM-186-MW46	WG	NS	6/3/05	EMXT	05F050	F050-02	RSK-175
PARCEL 186(6), TRAINING AREA T-38	CWM-186-MW46	WG	NS	6/3/05	EMXT	05F050	F050-02	SW8260B
PARCEL 186(6), TRAINING AREA T-38	CWM-186-MW46	WG	NS	6/3/05	EMXT	05F050	F050-02I	SW8260B
PARCEL 186(6), TRAINING AREA T-38	CWM-186-MW46	WG	NS	6/3/05	EMXT	05F050	F050-02T	SW8260B
PARCEL 186(6), TRAINING AREA T-38	CWM-186-MW47	WG	NS	6/3/05	EMXT	05F050	F050-03	SW8260B
PARCEL 186(6), TRAINING AREA T-38	CWM-186-MW47	WG	NS	6/3/05	EMXT	05F050	F050-03T	SW8260B
PARCEL 186(6), TRAINING AREA T-38	CWM-186-MW48	WG	NS	6/3/05	EMXT	05F050	F050-04	SW8260B
PARCEL 186(6), TRAINING AREA T-38	CWM-186-MW48	WG	NS	6/3/05	EMXT	05F050	F050-04T	SW8260B

Table D5-1: Sample Index
Parcel 186(6), Training Area T-38
McClellan, Anniston, Alabama

Site Name	Station Name	Matrix	QC Code	Sample Date	Lab	Delivery Group	Laboratory Sample ID	Method
PARCEL 186(6), TRAINING AREA T-38	CWM-186-MW51	WG	NS	6/8/05	EMXT	05F107	F107-03R	SW8260B
PARCEL 186(6), TRAINING AREA T-38	CWM-186-MW51	WG	NS	6/8/05	EMXT	05F107	F107-03T	SW8260B
PARCEL 186(6), TRAINING AREA T-38	CWM-186-MW52	WG	NS	6/7/05	EMXT	05F088	F088-03R	SW8260B
PARCEL 186(6), TRAINING AREA T-38	CWM-186-MW53	WG	NS	6/2/05	EMXT	05F035	F035-03	SW8260B
PARCEL 186(6), TRAINING AREA T-38	CWM-186-MW53	WG	NS	6/2/05	EMXT	05F035	F035-03T	SW8260B
PARCEL 186(6), TRAINING AREA T-38	CWM-186-MW54	WG	NS	6/9/05	EMXT	05F117	F117-03	SW8260B
PARCEL 186(6), TRAINING AREA T-38	CWM-186-MW56	WG	NS	6/16/05	EMXT	05F177	F177-04	RSK-175
PARCEL 186(6), TRAINING AREA T-38	CWM-186-MW56	WG	NS	6/16/05	EMXT	05F177	F177-04	SW8260B
PARCEL 186(6), TRAINING AREA T-38	CWM-186-MW56	WG	FD	6/16/05	EMXT	05F177	F177-05	RSK-175
PARCEL 186(6), TRAINING AREA T-38	CWM-186-MW56	WG	FD	6/16/05	EMXT	05F177	F177-05	SW8260B
PARCEL 186(6), TRAINING AREA T-38	CWM-186-MW57	WG	NS	6/16/05	EMXT	05F177	F177-06	SW8260B
PARCEL 186(6), TRAINING AREA T-38	CWM-186-MW57	WG	NS	6/16/05	EMXT	05F177	F177-06	RSK-175
PARCEL 186(6), TRAINING AREA T-38	CWM-186-MW57	WG	NS	6/16/05	EMXT	05F177	F177-06T	RSK-175
PARCEL 186(6), TRAINING AREA T-38	CWM-186-MW58	WG	NS	6/13/05	EMXT	05F134	F134-03	SW8260B
PARCEL 186(6), TRAINING AREA T-38	CWM-186-MW59	WG	NS	6/13/05	EMXT	05F134	F134-04	SW8260B
PARCEL 186(6), TRAINING AREA T-38	CWM-186-SEEP01	SP	NS	6/17/05	EMXT	05F188	F188-02R	SW8260B
PARCEL 186(6), TRAINING AREA T-38	CWM-186-SEEP01	SP	NS	6/17/05	EMXT	05F188	F188-02T	SW8260B
PARCEL 186(6), TRAINING AREA T-38	CWM-186-SEEP02	SP	NS	6/17/05	EMXT	05F188	F188-03R	SW8260B
PARCEL 186(6), TRAINING AREA T-38	CWM-186-SEEP03	SP	NS	6/17/05	EMXT	05F188	F188-04R	SW8260B
PARCEL 186(6), TRAINING AREA T-38	CWM-186-SEEP03	SP	NS	6/17/05	EMXT	05F188	F188-04T	SW8260B
PARCEL 186(6), TRAINING AREA T-38	CWM-186-SEEP03	SP	MSD	6/17/05	EMXT	05F188	F188-04V	SW8260B
PARCEL 186(6), TRAINING AREA T-38	CWM-186-SEEP03	SP	MS	6/17/05	EMXT	05F188	F188-04U	SW8260B
PARCEL 186(6), TRAINING AREA T-38	CWM-186-SEEP03	SP	FD	6/17/05	EMXT	05F188	F188-05R	SW8260B
PARCEL 186(6), TRAINING AREA T-38	CWM-186-SEEP03	SP	FD	6/17/05	EMXT	05F188	F188-05T	SW8260B
PARCEL 186(6), TRAINING AREA T-38	CWM-186-SEEP04	SP	NS	6/17/05	EMXT	05F188	F188-06R	SW8260B
PARCEL 186(6), TRAINING AREA T-38	CWM-186-SW07	SW	NS	6/17/05	EMXT	05F188	F188-07R	SW8260B
PARCEL 186(6), TRAINING AREA T-38	CWM-186-SW08	SW	NS	6/17/05	EMXT	05F188	F188-08	SW8260B
PARCEL 186(6), TRAINING AREA T-38	CWM-186-SW09	SW	NS	6/17/05	EMXT	05F188	F188-09	SW8260B
MCCLELLAN FIELD QC	EQUIPMENT BLANK	W	EB	6/14/05	EMXT	05F143	F143-04	RSK-175
MCCLELLAN FIELD QC	EQUIPMENT BLANK	W	EB	6/14/05	EMXT	05F143	F143-04	SW8260B
MCCLELLAN FIELD QC	EQUIPMENT BLANK	W	EB	6/14/05	EMXT	05F143	F143-04	SW7199
MCCLELLAN FIELD QC	EQUIPMENT BLANK	W	LD	6/14/05	EMXT	05F143	F143-04D	SW7199
MCCLELLAN FIELD QC	EQUIPMENT BLANK	W	EB	6/16/05	EMXT	05F177	F177-07	RSK-175

Table D5-1: Sample Index
Parcel 186(6), Training Area T-38
McClellan, Anniston, Alabama

Site Name	Station Name	Matrix	QC Code	Sample Date	Lab	Delivery Group	Laboratory Sample ID	Method
MCCLELLAN FIELD QC	EQUIPMENT BLANK	W	EB	6/16/05	EMXT	05F177	F177-07	SW8260B
MCCLELLAN FIELD QC	MATERIAL BLANK	W	EB	6/17/05	EMXT	05F188	F188-10	SW8260B
MCCLELLAN FIELD QC	MATERIAL BLANK	W	EB	6/17/05	EMXT	05F188	F188-11	SW8260B
MCCLELLAN FIELD QC	TRIP BLANK	W	TB	6/6/05	EMXT	05F076	F076-01	SW8260B
MCCLELLAN FIELD QC	TRIP BLANK	W	TB	6/7/05	EMXT	05F088	F088-04	SW8260B
MCCLELLAN FIELD QC	TRIP BLANK	W	TB	6/8/05	EMXT	05F107	F107-04	SW8260B
MCCLELLAN FIELD QC	TRIP BLANK	W	TB	6/9/05	EMXT	05F117	F117-04	SW8260B
MCCLELLAN FIELD QC	TRIP BLANK	W	TB	6/10/05	EMXT	05F130	F130-01	SW8260B
MCCLELLAN FIELD QC	TRIP BLANK	W	TB	6/13/05	EMXT	05F134	F134-05	SW8260B
MCCLELLAN FIELD QC	TRIP BLANK	W	TB	6/14/05	EMXT	05F143	F143-01	SW8260B
MCCLELLAN FIELD QC	TRIP BLANK	W	TB	6/15/05	EMXT	05F165	F165-05	SW8260B
MCCLELLAN FIELD QC	TRIP BLANK	W	TB	6/16/05	EMXT	05F177	F177-01	SW8260B
MCCLELLAN FIELD QC	TRIP BLANK	W	TB	6/17/05	EMXT	05F188	F188-12	SW8260B

Notes:

EB = Equipment blank
EMXT = EMAX Laboratories, Torrance, CA
FD = Field duplicate
LD = Laboratory duplicate
ID = Identification
MS = Matrix spike
MSD = Matrix spike duplicate
NS = Normal sample
QC = Quality Control
SP = Seep
SW = Surface water
TB = Trip blank
W = Water
WG = Ground water

Table D5-2: Summary of Final Qualifiers
Parcel 186(6), Training Area T-38
McClellan, Anniston, Alabama

Station Name	Matrix	QC Code	Sample Date	Delivery Group	Method	Parameter Name	Value	Lab Flag	Validation Code	Reporting Units	Detected Result
CWM-186-MW03	WG	NS	6/16/05	05F177	SW8260B	Carbon Disulfide	1	U	(UJC)	µg/L	N
CWM-186-MW03	WG	NS	6/16/05	05F177	SW8260B	Trans-1,4-Dichloro-2-Butene	1	U	(UJI)	µg/L	N
CWM-186-MW05	WG	NS	6/16/05	05F177	SW8260B	Carbon Disulfide	1	U	(UJC)	µg/L	N
CWM-186-MW05	WG	NS	6/16/05	05F177	SW8260B	Trans-1,4-Dichloro-2-Butene	1	U	(UJI)	µg/L	N
CWM-186-MW08	WG	NS	6/14/05	05F143	SW8260B	2,2-Dichloropropane	1	U	(UJC)	µg/L	N
CWM-186-MW08	WG	NS	6/14/05	05F143	SW8260B	Vinyl Acetate	2	U	(UJC)	µg/L	N
CWM-186-MW10	WG	NS	6/13/05	05F134	SW8260B	Trans-1,4-Dichloro-2-Butene	1	U	(UJIC)	µg/L	N
CWM-186-MW14	WG	NS	6/15/05	05F165	SW8260B	Trans-1,4-Dichloro-2-Butene	1	U	(UJIC)	µg/L	N
CWM-186-MW15	WG	NS	6/15/05	05F165	SW8260B	Trans-1,4-Dichloro-2-Butene	1	U	(UJIC)	µg/L	N
CWM-186-MW16	WG	NS	6/15/05	05F165	SW8260B	Bromomethane	2	U	(UJC)	µg/L	N
CWM-186-MW16	WG	NS	6/15/05	05F165	SW8260B	Trans-1,4-Dichloro-2-Butene	1	U	(UJI)	µg/L	N
CWM-186-MW18	WG	NS	6/9/05	05F117	SW8260B	Trans-1,4-Dichloro-2-Butene	1	U	(UJI)	µg/L	N
CWM-186-MW19	WG	NS	6/9/05	05F117	SW8260B	Trans-1,4-Dichloro-2-Butene	1	U	(UJI)	µg/L	N
CWM-186-MW20	WG	NS	6/15/05	05F165	SW8260B	Trans-1,4-Dichloro-2-Butene	1	U	(UJIC)	µg/L	N
CWM-186-MW21	WG	NS	6/14/05	05F143	SW8260B	2,2-Dichloropropane	1	U	(UJC)	µg/L	N
CWM-186-MW21	WG	NS	6/14/05	05F143	SW8260B	Vinyl Acetate	2	U	(UJC)	µg/L	N
CWM-186-MW23	WG	NS	6/10/05	05F130	SW8260B	Trans-1,4-Dichloro-2-Butene	1	U	(UJI)	µg/L	N
CWM-186-MW24	WG	NS	6/13/05	05F134	SW8260B	Trans-1,4-Dichloro-2-Butene	1	U	(UJIC)	µg/L	N
CWM-186-MW25	WG	NS	6/2/05	05F035	SW8260B	Vinyl Acetate	2	U	(UJC)	µg/L	N
CWM-186-MW26	WG	NS	6/2/05	05F035	SW8260B	1,1,1,2-Tetrachloroethane	2.1	V	(JS)	µg/L	Y
CWM-186-MW26	WG	NS	6/2/05	05F035	SW8260B	1,1,2-Trichloroethane	25	V	(JS)	µg/L	Y
CWM-186-MW26	WG	NS	6/2/05	05F035	SW8260B	1,1-Dichloroethene	3.5	V	(JS)	µg/L	Y
CWM-186-MW26	WG	NS	6/2/05	05F035	SW8260B	1,2-Dichloroethane	0.73	J	(JS)	µg/L	Y
CWM-186-MW26	WG	NS	6/2/05	05F035	SW8260B	Benzene	0.48	J	(JS)	µg/L	Y
CWM-186-MW26	WG	NS	6/2/05	05F035	SW8260B	Chlorobenzene	0.32	J	(JS)	µg/L	Y
CWM-186-MW26	WG	NS	6/2/05	05F035	SW8260B	Vinyl Acetate	2	U	(UJC)	µg/L	N
CWM-186-MW26	WG	NS	6/2/05	05F035	SW8260B	Vinyl Chloride	12	V	(JS)	µg/L	Y
CWM-186-MW28	WG	NS	6/8/05	05F107	SW8260B	Trans-1,4-Dichloro-2-Butene	1	U	(UJI)	µg/L	N
CWM-186-MW29	WG	NS	6/8/05	05F107	SW8260B	Trans-1,4-Dichloro-2-Butene	1	U	(UJI)	µg/L	N
CWM-186-MW30	WG	NS	6/14/05	05F143	SW8260B	2,2-Dichloropropane	1	U	(UJC)	µg/L	N
CWM-186-MW30	WG	NS	6/14/05	05F143	SW8260B	Vinyl Acetate	2	U	(UJC)	µg/L	N
CWM-186-MW32	WG	NS	6/3/05	05F050	SW8260B	Trans-1,4-Dichloro-2-Butene	1	U	(UJI)	µg/L	N
CWM-186-MW34	WG	NS	6/17/05	05F188	SW8260B	Trans-1,4-Dichloro-2-Butene	1	U	(UJI)	µg/L	N

Table D5-2: Summary of Final Qualifiers
Parcel 186(6), Training Area T-38
McClellan, Anniston, Alabama

Station Name	Matrix	QC Code	Sample Date	Delivery Group	Method	Parameter Name	Value	Lab Flag	Validation Code	Reporting Units	Detected Result
CWM-186-MW35	WG	NS	6/14/05	05F143	SW8260B	2,2-Dichloropropane	1	U	(UJC)	µg/L	N
CWM-186-MW35	WG	NS	6/14/05	05F143	SW8260B	Vinyl Acetate	2	U	(UJC)	µg/L	N
CWM-186-MW37	WG	NS	6/10/05	05F130	SW8260B	Trans-1,4-Dichloro-2-Butene	1	U	(UJI)	µg/L	N
CWM-186-MW39	WG	NS	6/6/05	05F076	SW8260B	Acetone	10	U	(UJC)	µg/L	N
CWM-186-MW39	WG	NS	6/6/05	05F076	SW8260B	Trans-1,4-Dichloro-2-Butene	1	U	(UJI)	µg/L	N
CWM-186-MW40	WG	NS	6/7/05	05F088	SW8260B	Acetone	10	U	(UJC)	µg/L	N
CWM-186-MW40	WG	NS	6/7/05	05F088	SW8260B	Trans-1,2-Dichloroethene	120	VE	(JX)	µg/L	Y
CWM-186-MW40	WG	NS	6/7/05	05F088	SW8260B	Trans-1,4-Dichloro-2-Butene	1	U	(UJI)	µg/L	N
CWM-186-MW40	WG	FD	6/7/05	05F088	SW8260B	Acetone	10	U	(UJC)	µg/L	N
CWM-186-MW40	WG	FD	6/7/05	05F088	SW8260B	Trans-1,2-Dichloroethene	110	VE	(JX)	µg/L	Y
CWM-186-MW40	WG	FD	6/7/05	05F088	SW8260B	Trans-1,4-Dichloro-2-Butene	1	U	(UJI)	µg/L	N
CWM-186-MW45	WG	NS	6/6/05	05F076	SW8260B	Acetone	10	U	(UJC)	µg/L	N
CWM-186-MW45	WG	NS	6/6/05	05F076	SW8260B	Trans-1,4-Dichloro-2-Butene	1	U	(UJI)	µg/L	N
CWM-186-MW46	WG	NS	6/3/05	05F050	SW8260B	Trans-1,4-Dichloro-2-Butene	1	U	(UJI)	µg/L	N
CWM-186-MW47	WG	NS	6/3/05	05F050	SW8260B	Trans-1,4-Dichloro-2-Butene	1	U	(UJI)	µg/L	N
CWM-186-MW48	WG	NS	6/3/05	05F050	SW8260B	Trans-1,4-Dichloro-2-Butene	1	U	(UJI)	µg/L	N
CWM-186-MW51	WG	NS	6/8/05	05F107	SW8260B	Trans-1,4-Dichloro-2-Butene	1	U	(UJI)	µg/L	N
CWM-186-MW52	WG	NS	6/7/05	05F088	SW8260B	Acrylonitrile	10	U	(UJC)	µg/L	N
CWM-186-MW52	WG	NS	6/7/05	05F088	SW8260B	Trans-1,4-Dichloro-2-Butene	1	U	(UJI)	µg/L	N
CWM-186-MW53	WG	NS	6/2/05	05F035	SW8260B	1,1,1,2-Tetrachloroethane	2.4	V	(JS)	µg/L	Y
CWM-186-MW53	WG	NS	6/2/05	05F035	SW8260B	1,1,2-Trichloroethane	8.3	V	(JS)	µg/L	Y
CWM-186-MW53	WG	NS	6/2/05	05F035	SW8260B	1,1-Dichloroethene	0.65	J	(JS)	µg/L	Y
CWM-186-MW53	WG	NS	6/2/05	05F035	SW8260B	1,2-Dichloroethane	2.3	V	(JS)	µg/L	Y
CWM-186-MW53	WG	NS	6/2/05	05F035	SW8260B	Benzene	0.5	J	(JS)	µg/L	Y
CWM-186-MW53	WG	NS	6/2/05	05F035	SW8260B	Carbon Tetrachloride	23	V	(JS)	µg/L	Y
CWM-186-MW53	WG	NS	6/2/05	05F035	SW8260B	Chloroform	40	V	(JS)	µg/L	Y
CWM-186-MW53	WG	NS	6/2/05	05F035	SW8260B	Vinyl Acetate	2	U	(UJC)	µg/L	N
CWM-186-MW54	WG	NS	6/9/05	05F117	SW8260B	Trans-1,4-Dichloro-2-Butene	1	U	(UJI)	µg/L	N
CWM-186-MW56	WG	NS	6/16/05	05F177	SW8260B	Carbon Disulfide	1	U	(UJC)	µg/L	N
CWM-186-MW56	WG	NS	6/16/05	05F177	SW8260B	Trans-1,4-Dichloro-2-Butene	1	U	(UJI)	µg/L	N
CWM-186-MW56	WG	FD	6/16/05	05F177	SW8260B	Carbon Disulfide	1	U	(UJC)	µg/L	N
CWM-186-MW56	WG	FD	6/16/05	05F177	SW8260B	Trans-1,4-Dichloro-2-Butene	1	U	(UJI)	µg/L	N
CWM-186-MW57	WG	NS	6/16/05	05F177	SW8260B	Carbon Disulfide	1	U	(UJC)	µg/L	N

Table D5-2: Summary of Final Qualifiers
Parcel 186(6), Training Area T-38
McClellan, Anniston, Alabama

Station Name	Matrix	QC Code	Sample Date	Delivery Group	Method	Parameter Name	Value	Lab Flag	Validation Code	Reporting Units	Detected Result
CWM-186-MW57	WG	NS	6/16/05	05F177	SW8260B	Trans-1,4-Dichloro-2-Butene	1	U	(UJI)	µg/L	N
CWM-186-MW58	WG	NS	6/13/05	05F134	SW8260B	Trans-1,4-Dichloro-2-Butene	1	U	(UJIC)	µg/L	N
CWM-186-MW59	WG	NS	6/13/05	05F134	SW8260B	Trans-1,4-Dichloro-2-Butene	1	U	(UJIC)	µg/L	N
CWM-186-SEEP01	SP	NS	6/17/05	05F188	SW8260B	Trans-1,4-Dichloro-2-Butene	1	U	(UJI)	µg/L	N
CWM-186-SEEP02	SP	NS	6/17/05	05F188	SW8260B	Trans-1,4-Dichloro-2-Butene	1	U	(UJI)	µg/L	N
CWM-186-SEEP03	SP	NS	6/17/05	05F188	SW8260B	Trans-1,4-Dichloro-2-Butene	1	U	(UJI)	µg/L	N
CWM-186-SEEP03	SP	NS	6/17/05	05F188	SW8260B	Trichloroethene	13	V	(JM)	µg/L	Y
CWM-186-SEEP03	SP	FD	6/17/05	05F188	SW8260B	Trans-1,4-Dichloro-2-Butene	1	U	(UJI)	µg/L	N
CWM-186-SEEP04	SP	NS	6/17/05	05F188	SW8260B	Trans-1,4-Dichloro-2-Butene	1	U	(UJI)	µg/L	N
CWM-186-SW07	SW	NS	6/17/05	05F188	SW8260B	Trans-1,4-Dichloro-2-Butene	1	U	(UJI)	µg/L	N
CWM-186-SW08	SW	NS	6/17/05	05F188	SW8260B	Trans-1,4-Dichloro-2-Butene	1	U	(UJI)	µg/L	N
CWM-186-SW09	SW	NS	6/17/05	05F188	SW8260B	Trans-1,4-Dichloro-2-Butene	1	U	(UJI)	µg/L	N
Equipment Blank	W	EB	6/14/05	05F143	SW8260B	2,2-Dichloropropane	1	U	(UJC)	µg/L	N
Equipment Blank	W	EB	6/14/05	05F143	SW8260B	Vinyl Acetate	2	U	(UJC)	µg/L	N
Equipment Blank	W	EB	6/16/05	05F177	SW8260B	Carbon Disulfide	1	U	(UJC)	µg/L	N
Equipment Blank	W	EB	6/16/05	05F177	SW8260B	Trans-1,4-Dichloro-2-Butene	1	U	(UJI)	µg/L	N
Material Blank 5	W	EB	6/17/05	05F188	SW8260B	Trans-1,4-Dichloro-2-Butene	1	U	(UJI)	µg/L	N
Material Blank 6	W	EB	6/17/05	05F188	SW8260B	Trans-1,4-Dichloro-2-Butene	1	U	(UJI)	µg/L	N
Trip Blank	W	TB	6/6/05	05F076	SW8260B	Acetone	10	U	(UJC)	µg/L	N
Trip Blank	W	TB	6/6/05	05F076	SW8260B	Trans-1,4-Dichloro-2-Butene	1	U	(UJI)	µg/L	N
Trip Blank	W	TB	6/7/05	05F088	SW8260B	Acetone	10	U	(UJC)	µg/L	N
Trip Blank	W	TB	6/7/05	05F088	SW8260B	Trans-1,4-Dichloro-2-Butene	1	U	(UJI)	µg/L	N
Trip Blank	W	TB	6/8/05	05F107	SW8260B	Trans-1,4-Dichloro-2-Butene	1	U	(UJI)	µg/L	N
Trip Blank	W	TB	6/9/05	05F117	SW8260B	Trans-1,4-Dichloro-2-Butene	1	U	(UJI)	µg/L	N
Trip Blank	W	TB	6/10/05	05F130	SW8260B	Trans-1,4-Dichloro-2-Butene	1	U	(UJI)	µg/L	N
Trip Blank	W	TB	6/13/05	05F134	SW8260B	Trans-1,4-Dichloro-2-Butene	1	U	(UJIC)	µg/L	N
Trip Blank	W	TB	6/14/05	05F143	SW8260B	2,2-Dichloropropane	1	U	(UJC)	µg/L	N
Trip Blank	W	TB	6/14/05	05F143	SW8260B	Vinyl Acetate	2	U	(UJC)	µg/L	N
Trip Blank	W	TB	6/15/05	05F165	SW8260B	Trans-1,4-Dichloro-2-Butene	1	U	(UJI)	µg/L	N
Trip Blank	W	TB	6/16/05	05F177	SW8260B	Carbon Disulfide	1	U	(UJC)	µg/L	N
Trip Blank	W	TB	6/16/05	05F177	SW8260B	Trans-1,4-Dichloro-2-Butene	1	U	(UJI)	µg/L	N
Trip Blank	W	TB	6/17/05	05F188	SW8260B	Trans-1,4-Dichloro-2-Butene	1	U	(UJI)	µg/L	N

Table D5-2: Summary of Final Qualifiers
Parcel 186(6), Training Area T-38
McClellan, Anniston, Alabama

Station Name	Matrix	QC Code	Sample Date	Delivery Group	Method	Parameter Name	Value	Lab Flag	Validation Code	Reporting Units	Detected Result

Notes:
EB = Equipment blank
FD = Field duplicate
NS = Normal sample
QC = Quality Control
SP = Seep
SW = Surface water
TB = Trip blank
W = Water
WG = Ground water
µg/L = micrograms per liter

Lab Flags:
E = Result is above the maximum calibration range.
J = Estimated value. The analyte is positively identified and the concentration is less than the reporting limit (RL) but greater than the method detection limit (MDL).
U = Analyte is not detected above the RL.
V = Detected value.

Validation codes consist of a validation qualifier and sub-qualifier(s) and are delineated with parenthesis.
Validation Qualifiers:
J = Estimated detection. The associated numerical value is the approximate concentration of the analyte in the sample.
UJ = Analyte was analyzed for, but was not detected. The reported quantitation limit is estimated.

Validation Sub-qualifiers:
C = Continuing calibration was outside method-specific control limits.
I = Initial calibration was outside method-specific control limits.
M = The MS and MSD recoveries were outside laboratory historical control limits.
S = Surrogate recovery was outside laboratory historical control limits.
X = Result exceeded the calibration range of the instrument.

Table D5-3: Qualified Data Summary
Parcel 186(6), Training Area T-38
McClellan, Anniston, Alabama

Lab	QC Code	Matrix	Method	Non-Qualified Results	JM	JS	JX	UJC	UJI	UJIC
EMXT	NS	WG	SW8260B	2456		14	1	20	22	7
EMXT	NS	WG	RSK-175	36						
EMXT	NS	WG	SW7199	2						
EMXT	NS	SP	SW8260B	275	1				4	
EMXT	NS	SW	SW8260B	207					3	
EMXT	FD	WG	SW8260B	135			1	2	2	
EMXT	FD	WG	RSK-175	6						
EMXT	FD	SP	SW8260B	69					1	
EMXT	EB	W	SW8260B	274				3	3	
EMXT	EB	W	RSK-175	6						
EMXT	EB	W	SW7199	1						
EMXT	TB	W	SW8260B	686				5	8	1

Notes:

EB = Equipment blank
EMXT = EMAX Laboratories, Torrance, CA
FD = Field duplicate
NS = Normal sample
QC = Quality Control
SP = Seep
SW = Surface water
TB = Trip blank
W = Water
WG = Ground water

Validation Qualifiers:

J = Estimated detection. The associated numerical value is the approximate concentration of the analyte in the sample.
UJ = Analyte was analyzed for, but was not detected. The reported quantitation limit is estimated.

Validation Sub-qualifiers:

C = Continuing calibration was outside method-specific control limits.
I = Initial calibration was outside method-specific control limits.
M = The MS and MSD recoveries were outside laboratory historical control limits.
S = Surrogate recovery was outside laboratory historical control limits.
X = Result exceeded the calibration range of the instrument.

Table D5-4: Data Qualifiers Due to MS/MSD Recovery Outliers
Parcel 186(6), Training Area T-38
McClellan, Anniston, Alabama

Station Name	Matrix	Sample Date	Delivery Group	QC Code	Parameter Name	Value	Lab Flag	Validation Code	Reporting Units	MS %R	MSD %R	LCL	UCL
CWM-186-SEEP03	SP	6/17/05	05F188	NS	Trichloroethene	13	V	(JM)	µg/L	62	60	67	128

Notes:

LCL = Lower control limit
UCL = Upper control limit
MS = Matrix spike
MSD = Matrix spike duplicate
µg/L = micrograms per liter
NS = Normal sample
%R = Percent recovery
QC = Quality Control
SP = Seep

Lab Flags:

V = Detected value.

Validation codes consist of a validation qualifier and sub-qualifier(s) and are delineated with parenthesis.

Validation Qualifiers:

J = Estimated detection. The associated numerical value is the approximate concentration of the analyte in the sample.

Validation Sub-qualifiers:

M = The MS and MSD recoveries were outside laboratory historical control limits.

Table D5-5: Summary of MS/MSD Recoveries and RPDs
Parcel 186(6), Training Area T-38
McClellan, Anniston, Alabama

Station Name	Matrix	Sample Date	Delivery Group	Method	Parameter Name	MS %R	MSD %R	LCL	UCL	RPD	RPD Limit
CWM-186-MW23	WG	6/10/05	05F130	RSK-175	Ethane	108	104	50	150	3.8	20
CWM-186-MW23	WG	6/10/05	05F130	RSK-175	Ethene	76	75	50	150	1.3	20
CWM-186-MW23	WG	6/10/05	05F130	RSK-175	Methane	**612**	**587**	50	150	4.2	20
CWM-186-MW23	WG	6/10/05	05F130	SW8260B	1,1,1,2-Tetrachloroethane	110	114	63	143	3.6	30
CWM-186-MW23	WG	6/10/05	05F130	SW8260B	1,1,1-Trichloroethane	104	106	70	127	1.9	20
CWM-186-MW23	WG	6/10/05	05F130	SW8260B	1,1,2,2-Tetrachloroethane	108	105	68	129	2.8	20
CWM-186-MW23	WG	6/10/05	05F130	SW8260B	1,1,2-Trichloro-1,2,2-Trifluoroethane	105	104	54	154	1.0	20
CWM-186-MW23	WG	6/10/05	05F130	SW8260B	1,1,2-Trichloroethane	114	113	79	136	0.9	20
CWM-186-MW23	WG	6/10/05	05F130	SW8260B	1,1-Dichloroethane	104	105	80	133	1.0	20
CWM-186-MW23	WG	6/10/05	05F130	SW8260B	1,1-Dichloroethene	96	95	75	125	1.0	20
CWM-186-MW23	WG	6/10/05	05F130	SW8260B	1,1-Dichloropropene	98	105	76	135	6.9	20
CWM-186-MW23	WG	6/10/05	05F130	SW8260B	1,2,3-Trichlorobenzene	112	115	75	133	2.6	20
CWM-186-MW23	WG	6/10/05	05F130	SW8260B	1,2,3-Trichloropropane	109	106	65	139	2.8	20
CWM-186-MW23	WG	6/10/05	05F130	SW8260B	1,2,4-Trichlorobenzene	102	106	80	130	3.8	20
CWM-186-MW23	WG	6/10/05	05F130	SW8260B	1,2,4-Trimethylbenzene	91	96	76	123	5.3	20
CWM-186-MW23	WG	6/10/05	05F130	SW8260B	1,2-Dibromo-3-Chloropropane	114	120	75	132	5.1	20
CWM-186-MW23	WG	6/10/05	05F130	SW8260B	1,2-Dibromoethane	112	116	80	127	3.5	20
CWM-186-MW23	WG	6/10/05	05F130	SW8260B	1,2-Dichlorobenzene	103	104	73	120	1.0	20
CWM-186-MW23	WG	6/10/05	05F130	SW8260B	1,2-Dichloroethane	119	114	67	132	4.3	20
CWM-186-MW23	WG	6/10/05	05F130	SW8260B	1,2-Dichloropropane	105	107	77	127	1.9	20
CWM-186-MW23	WG	6/10/05	05F130	SW8260B	1,3,5-Trimethylbenzene	91	95	78	121	4.3	20
CWM-186-MW23	WG	6/10/05	05F130	SW8260B	1,3-Dichlorobenzene	97	99	75	122	2.0	20
CWM-186-MW23	WG	6/10/05	05F130	SW8260B	1,3-Dichloropropane	107	111	80	133	3.7	20
CWM-186-MW23	WG	6/10/05	05F130	SW8260B	1,4-Dichlorobenzene	97	98	74	123	1.0	20
CWM-186-MW23	WG	6/10/05	05F130	SW8260B	2,2-Dichloropropane	76	76	62	134	0.0	20
CWM-186-MW23	WG	6/10/05	05F130	SW8260B	2-Butanone (MEK)	98	102	45	150	4.0	20
CWM-186-MW23	WG	6/10/05	05F130	SW8260B	2-Chlorotoluene	93	93	45	150	0.0	20
CWM-186-MW23	WG	6/10/05	05F130	SW8260B	2-Hexanone	102	115	79	121	12.0	20
CWM-186-MW23	WG	6/10/05	05F130	SW8260B	4-Chlorotoluene	97	100	73	127	3.0	20
CWM-186-MW23	WG	6/10/05	05F130	SW8260B	4-Methyl-2-Pentanone (MIBK)	94	112	59	150	17.5	20
CWM-186-MW23	WG	6/10/05	05F130	SW8260B	Acetone	120	117	51	157	2.5	20
CWM-186-MW23	WG	6/10/05	05F130	SW8260B	Acrylonitrile	107	113	45	165	5.5	30
CWM-186-MW23	WG	6/10/05	05F130	SW8260B	Benzene	98	102	79	126	4.0	20

Table D5-5: Summary of MS/MSD Recoveries and RPDs
Parcel 186(6), Training Area T-38
McClellan, Anniston, Alabama

Station Name	Matrix	Sample Date	Delivery Group	Method	Parameter Name	MS %R	MSD %R	LCL	UCL	RPD	RPD Limit
CWM-186-MW23	WG	6/10/05	05F130	SW8260B	Bromobenzene	97	97	74	123	0.0	20
CWM-186-MW23	WG	6/10/05	05F130	SW8260B	Bromochloromethane	113	109	78	127	3.6	20
CWM-186-MW23	WG	6/10/05	05F130	SW8260B	Bromodichloromethane	105	106	70	130	0.9	20
CWM-186-MW23	WG	6/10/05	05F130	SW8260B	Bromoform	113	109	72	136	3.6	20
CWM-186-MW23	WG	6/10/05	05F130	SW8260B	Bromomethane	79	82	35	153	3.7	20
CWM-186-MW23	WG	6/10/05	05F130	SW8260B	Carbon Disulfide	94	95	74	123	1.1	20
CWM-186-MW23	WG	6/10/05	05F130	SW8260B	Carbon Tetrachloride	102	105	71	132	2.9	20
CWM-186-MW23	WG	6/10/05	05F130	SW8260B	Chlorobenzene	102	107	80	127	4.8	20
CWM-186-MW23	WG	6/10/05	05F130	SW8260B	Chloroethane	99	106	72	129	6.8	20
CWM-186-MW23	WG	6/10/05	05F130	SW8260B	Chloroform	101	100	74	127	1.0	20
CWM-186-MW23	WG	6/10/05	05F130	SW8260B	Chloromethane	90	96	58	135	6.5	20
CWM-186-MW23	WG	6/10/05	05F130	SW8260B	Cis-1,2-Dichloroethene	104	105	73	133	1.0	20
CWM-186-MW23	WG	6/10/05	05F130	SW8260B	Cis-1,3-Dichloropropene	99	99	73	132	0.0	20
CWM-186-MW23	WG	6/10/05	05F130	SW8260B	Dibromochloromethane	119	118	74	145	0.8	20
CWM-186-MW23	WG	6/10/05	05F130	SW8260B	Dibromomethane	113	112	76	132	0.9	20
CWM-186-MW23	WG	6/10/05	05F130	SW8260B	Dichlorodifluoromethane	79	86	59	134	8.5	20
CWM-186-MW23	WG	6/10/05	05F130	SW8260B	Ethylbenzene	100	106	79	120	5.8	20
CWM-186-MW23	WG	6/10/05	05F130	SW8260B	Hexachlorobutadiene	98	105	78	133	6.9	20
CWM-186-MW23	WG	6/10/05	05F130	SW8260B	Iodomethane	105	112	63	143	6.5	30
CWM-186-MW23	WG	6/10/05	05F130	SW8260B	Isopropyl Benzene	103	107	77	126	3.8	20
CWM-186-MW23	WG	6/10/05	05F130	SW8260B	m,p-Xylene	101	106	79	122	4.8	20
CWM-186-MW23	WG	6/10/05	05F130	SW8260B	Methylene Chloride	100	100	69	118	0.0	20
CWM-186-MW23	WG	6/10/05	05F130	SW8260B	MTBE	104	104	59	129	0.0	20
CWM-186-MW23	WG	6/10/05	05F130	SW8260B	Naphthalene	92	101	65	149	9.3	20
CWM-186-MW23	WG	6/10/05	05F130	SW8260B	N-Butylbenzene	97	104	78	126	7.0	20
CWM-186-MW23	WG	6/10/05	05F130	SW8260B	N-Propylbenzene	92	96	75	127	4.3	20
CWM-186-MW23	WG	6/10/05	05F130	SW8260B	o-Xylene	103	109	82	120	5.7	20
CWM-186-MW23	WG	6/10/05	05F130	SW8260B	p-Isopropyltoluene	99	104	78	125	4.9	20
CWM-186-MW23	WG	6/10/05	05F130	SW8260B	Sec-Butylbenzene	93	97	78	125	4.2	20
CWM-186-MW23	WG	6/10/05	05F130	SW8260B	Styrene	103	107	76	130	3.8	20
CWM-186-MW23	WG	6/10/05	05F130	SW8260B	Tert-Butylbenzene	95	100	76	125	5.1	20
CWM-186-MW23	WG	6/10/05	05F130	SW8260B	Tetrachloroethylene	100	103	80	129	3.0	20
CWM-186-MW23	WG	6/10/05	05F130	SW8260B	Toluene	100	104	80	125	3.9	20

Table D5-5: Summary of MS/MSD Recoveries and RPDs
Parcel 186(6), Training Area T-38
McClellan, Anniston, Alabama

Station Name	Matrix	Sample Date	Delivery Group	Method	Parameter Name	MS %R	MSD %R	LCL	UCL	RPD	RPD Limit
CWM-186-MW23	WG	6/10/05	05F130	SW8260B	Trans-1,2-Dichloroethene	100	100	78	134	0.0	20
CWM-186-MW23	WG	6/10/05	05F130	SW8260B	Trans-1,3-Dichloropropene	109	110	74	131	0.9	20
CWM-186-MW23	WG	6/10/05	05F130	SW8260B	Trans-1,4-Dichloro-2-Butene	85	79	45	165	7.3	30
CWM-186-MW23	WG	6/10/05	05F130	SW8260B	Trichloroethene	96	101	67	128	5.1	20
CWM-186-MW23	WG	6/10/05	05F130	SW8260B	Trichlorofluoromethane	101	104	68	133	2.9	20
CWM-186-MW23	WG	6/10/05	05F130	SW8260B	Vinyl Acetate	92	87	36	176	5.6	20
CWM-186-MW23	WG	6/10/05	05F130	SW8260B	Vinyl Chloride	99	104	73	134	4.9	20
CWM-186-SEEP03	SP	6/17/05	05F188	SW8260B	1,1,1,2-Tetrachloroethane	110	108	63	143	1.8	30
CWM-186-SEEP03	SP	6/17/05	05F188	SW8260B	1,1,1-Trichloroethane	99	100	70	127	1.0	20
CWM-186-SEEP03	SP	6/17/05	05F188	SW8260B	1,1,2,2-Tetrachloroethane	**-133**	**-125**	68	129	6.2	20
CWM-186-SEEP03	SP	6/17/05	05F188	SW8260B	1,1,2-Trichloro-1,2,2-Trifluoroethane	101	103	54	154	2.0	20
CWM-186-SEEP03	SP	6/17/05	05F188	SW8260B	1,1,2-Trichloroethane	107	105	79	136	1.9	20
CWM-186-SEEP03	SP	6/17/05	05F188	SW8260B	1,1-Dichloroethane	98	98	80	133	0.0	20
CWM-186-SEEP03	SP	6/17/05	05F188	SW8260B	1,1-Dichloroethene	87	87	75	125	0.0	20
CWM-186-SEEP03	SP	6/17/05	05F188	SW8260B	1,1-Dichloropropene	96	95	76	135	1.0	20
CWM-186-SEEP03	SP	6/17/05	05F188	SW8260B	1,2,3-Trichlorobenzene	104	103	75	133	1.0	20
CWM-186-SEEP03	SP	6/17/05	05F188	SW8260B	1,2,3-Trichloropropane	100	95	65	139	5.1	20
CWM-186-SEEP03	SP	6/17/05	05F188	SW8260B	1,2,4-Trichlorobenzene	102	100	80	130	2.0	20
CWM-186-SEEP03	SP	6/17/05	05F188	SW8260B	1,2,4-Trimethylbenzene	98	99	76	123	1.0	20
CWM-186-SEEP03	SP	6/17/05	05F188	SW8260B	1,2-Dibromo-3-Chloropropane	108	106	75	132	1.9	20
CWM-186-SEEP03	SP	6/17/05	05F188	SW8260B	1,2-Dibromoethane	109	106	80	127	2.8	20
CWM-186-SEEP03	SP	6/17/05	05F188	SW8260B	1,2-Dichlorobenzene	103	103	73	120	0.0	20
CWM-186-SEEP03	SP	6/17/05	05F188	SW8260B	1,2-Dichloroethane	102	101	67	132	1.0	20
CWM-186-SEEP03	SP	6/17/05	05F188	SW8260B	1,2-Dichloropropane	101	101	77	127	0.0	20
CWM-186-SEEP03	SP	6/17/05	05F188	SW8260B	1,3,5-Trimethylbenzene	97	99	78	121	2.0	20
CWM-186-SEEP03	SP	6/17/05	05F188	SW8260B	1,3-Dichlorobenzene	101	101	75	122	0.0	20
CWM-186-SEEP03	SP	6/17/05	05F188	SW8260B	1,3-Dichloropropane	103	100	80	133	3.0	20
CWM-186-SEEP03	SP	6/17/05	05F188	SW8260B	1,4-Dichlorobenzene	101	100	74	123	1.0	20
CWM-186-SEEP03	SP	6/17/05	05F188	SW8260B	2,2-Dichloropropane	84	84	62	134	0.0	20
CWM-186-SEEP03	SP	6/17/05	05F188	SW8260B	2-Butanone (MEK)	96	96	45	150	0.0	20
CWM-186-SEEP03	SP	6/17/05	05F188	SW8260B	2-Chlorotoluene	93	93	45	150	0.0	20
CWM-186-SEEP03	SP	6/17/05	05F188	SW8260B	2-Hexanone	97	101	79	121	4.0	20
CWM-186-SEEP03	SP	6/17/05	05F188	SW8260B	4-Chlorotoluene	91	103	73	127	12.4	20

Table D5-5: Summary of MS/MSD Recoveries and RPDs
Parcel 186(6), Training Area T-38
McClellan, Anniston, Alabama

Station Name	Matrix	Sample Date	Delivery Group	Method	Parameter Name	MS %R	MSD %R	LCL	UCL	RPD	RPD Limit
CWM-186-SEEP03	SP	6/17/05	05F188	SW8260B	4-Methyl-2-Pentanone (MIBK)	97	98	59	150	1.0	20
CWM-186-SEEP03	SP	6/17/05	05F188	SW8260B	Acetone	95	97	51	157	2.1	20
CWM-186-SEEP03	SP	6/17/05	05F188	SW8260B	Acrylonitrile	101	100	45	165	1.0	30
CWM-186-SEEP03	SP	6/17/05	05F188	SW8260B	Benzene	97	96	79	126	1.0	20
CWM-186-SEEP03	SP	6/17/05	05F188	SW8260B	Bromobenzene	97	98	74	123	1.0	20
CWM-186-SEEP03	SP	6/17/05	05F188	SW8260B	Bromochloromethane	99	99	78	127	0.0	20
CWM-186-SEEP03	SP	6/17/05	05F188	SW8260B	Bromodichloromethane	100	99	70	130	1.0	20
CWM-186-SEEP03	SP	6/17/05	05F188	SW8260B	Bromoform	103	104	72	136	1.0	20
CWM-186-SEEP03	SP	6/17/05	05F188	SW8260B	Bromomethane	82	84	35	153	2.4	20
CWM-186-SEEP03	SP	6/17/05	05F188	SW8260B	Carbon Disulfide	82	83	74	123	1.2	20
CWM-186-SEEP03	SP	6/17/05	05F188	SW8260B	Carbon Tetrachloride	99	97	71	132	2.0	20
CWM-186-SEEP03	SP	6/17/05	05F188	SW8260B	Chlorobenzene	104	102	80	127	1.9	20
CWM-186-SEEP03	SP	6/17/05	05F188	SW8260B	Chloroethane	107	111	72	129	3.7	20
CWM-186-SEEP03	SP	6/17/05	05F188	SW8260B	Chloroform	94	94	74	127	0.0	20
CWM-186-SEEP03	SP	6/17/05	05F188	SW8260B	Chloromethane	91	94	58	135	3.2	20
CWM-186-SEEP03	SP	6/17/05	05F188	SW8260B	Cis-1,2-Dichloroethene	97	97	73	133	0.0	20
CWM-186-SEEP03	SP	6/17/05	05F188	SW8260B	Cis-1,3-Dichloropropene	102	99	73	132	3.0	20
CWM-186-SEEP03	SP	6/17/05	05F188	SW8260B	Dibromochloromethane	110	107	74	145	2.8	20
CWM-186-SEEP03	SP	6/17/05	05F188	SW8260B	Dibromomethane	101	101	76	132	0.0	20
CWM-186-SEEP03	SP	6/17/05	05F188	SW8260B	Dichlorodifluoromethane	81	82	59	134	1.2	20
CWM-186-SEEP03	SP	6/17/05	05F188	SW8260B	Ethylbenzene	103	101	79	120	2.0	20
CWM-186-SEEP03	SP	6/17/05	05F188	SW8260B	Hexachlorobutadiene	102	101	78	133	1.0	20
CWM-186-SEEP03	SP	6/17/05	05F188	SW8260B	Iodomethane	81	91	63	143	11.6	30
CWM-186-SEEP03	SP	6/17/05	05F188	SW8260B	Isopropyl Benzene	110	111	77	126	0.9	20
CWM-186-SEEP03	SP	6/17/05	05F188	SW8260B	m,p-Xylene	104	102	79	122	1.9	20
CWM-186-SEEP03	SP	6/17/05	05F188	SW8260B	Methylene Chloride	92	92	69	118	0.0	20
CWM-186-SEEP03	SP	6/17/05	05F188	SW8260B	MTBE	98	98	59	129	0.0	20
CWM-186-SEEP03	SP	6/17/05	05F188	SW8260B	Naphthalene	80	84	65	149	4.9	20
CWM-186-SEEP03	SP	6/17/05	05F188	SW8260B	N-Butylbenzene	105	105	78	126	0.0	20
CWM-186-SEEP03	SP	6/17/05	05F188	SW8260B	N-Propylbenzene	97	98	75	127	1.0	20
CWM-186-SEEP03	SP	6/17/05	05F188	SW8260B	o-Xylene	106	104	82	120	1.9	20
CWM-186-SEEP03	SP	6/17/05	05F188	SW8260B	p-Isopropyltoluene	108	108	78	125	0.0	20
CWM-186-SEEP03	SP	6/17/05	05F188	SW8260B	Sec-Butylbenzene	99	99	78	125	0.0	20

Table D5-5: Summary of MS/MSD Recoveries and RPDs
Parcel 186(6), Training Area T-38
McClellan, Anniston, Alabama

Station Name	Matrix	Sample Date	Delivery Group	Method	Parameter Name	MS %R	MSD %R	LCL	UCL	RPD	RPD Limit
CWM-186-SEEP03	SP	6/17/05	05F188	SW8260B	Styrene	105	107	76	130	1.9	20
CWM-186-SEEP03	SP	6/17/05	05F188	SW8260B	Tert-Butylbenzene	101	102	76	125	1.0	20
CWM-186-SEEP03	SP	6/17/05	05F188	SW8260B	Tetrachloroethylene	100	98	80	129	2.0	20
CWM-186-SEEP03	SP	6/17/05	05F188	SW8260B	Toluene	102	101	80	125	1.0	20
CWM-186-SEEP03	SP	6/17/05	05F188	SW8260B	Trans-1,2-Dichloroethene	93	95	78	134	2.1	20
CWM-186-SEEP03	SP	6/17/05	05F188	SW8260B	Trans-1,3-Dichloropropene	109	108	74	131	0.9	20
CWM-186-SEEP03	SP	6/17/05	05F188	SW8260B	Trans-1,4-Dichloro-2-Butene	101	96	45	165	5.1	30
CWM-186-SEEP03	SP	6/17/05	05F188	SW8260B	Trichloroethene	**62**	**60**	67	128	3.3	20
CWM-186-SEEP03	SP	6/17/05	05F188	SW8260B	Trichlorofluoromethane	111	111	68	133	0.0	20
CWM-186-SEEP03	SP	6/17/05	05F188	SW8260B	Vinyl Acetate	79	78	36	176	1.3	20
CWM-186-SEEP03	SP	6/17/05	05F188	SW8260B	Vinyl Chloride	102	107	73	134	4.8	20

Notes:
LCL = Lower control limit
UCL = Upper control limit
MS = Matrix spike
MSD = Matrix spike duplicate
RPD = Relative percent difference
SP = Seep
WG = Ground water
%R = Percent recovery

Indicates the value is less than the LCL.
Indicates the value is greater than the UCL.

Table D5-6: Field Duplicate Cross Reference
Parcel 186(6), Training Area T-38
McClellan, Anniston, Alabama

Parent Station Name	COC ID	COC Number	Matrix	Sample Date	Delivery Group	Method
CWM-186-SEEP03	DUP042	2060	SP	6/17/05	05F188	SW8260B
CWM-186-MW40	DUP040	2028	WG	6/7/05	05F088	RSK-175
CWM-186-MW40	DUP040	2028	WG	6/7/05	05F088	SW8260B
CWM-186-MW56	DUP056	2041	WG	6/16/05	05F177	RSK-175
CWM-186-MW56	DUP056	2041	WG	6/16/05	05F177	SW8260B

Notes:
COC = Chain-of-Custody
ID = Identification
SP = Seep
WG = Ground water

Table D5-7: Comparison of Investigative and Field Duplicate Sample Detections
Parcel 186(6), Training Area T-38
McClellan, Anniston, Alabama

Station Name	Matrix	Sample Date	Delivery Group	Method	Parameter Name	FD Value	FD Lab Flag	NS Value	NS Lab Flag	Reporting Units	RPD	MDL	RL
CWM-186-MW40	WG	6/7/05	05F088	RSK-175	Ethane	53	V	42	V	µg/L	23.2	0.6	1.5
CWM-186-MW40	WG	6/7/05	05F088	RSK-175	Ethene	48	V	39	V	µg/L	20.7	0.7	1.5
CWM-186-MW40	WG	6/7/05	05F088	SW8260B	1,1,1,2-Tetrachloroethane	7.4	V	8	V	µg/L	7.8	0.2	1
CWM-186-MW40	WG	6/7/05	05F088	SW8260B	1,1,2,2-Tetrachloroethane	24000	V	25000	V	µg/L	4.1	300	1000
CWM-186-MW40	WG	6/7/05	05F088	SW8260B	1,1,2-Trichloroethane	25	V	27	V	µg/L	7.7	0.2	1
CWM-186-MW40	WG	6/7/05	05F088	SW8260B	1,1-Dichloroethene	1.7	V	1.9	V	µg/L	11.1	0.2	1
CWM-186-MW40	WG	6/7/05	05F088	SW8260B	1,2-Dichloroethane	0.59	J	0.68	J	µg/L	14.2	0.2	1
CWM-186-MW40	WG	6/7/05	05F088	SW8260B	Benzene	0.94	J	1	V	µg/L	6.2	0.2	1
CWM-186-MW40	WG	6/7/05	05F088	SW8260B	Bromodichloromethane	1.7	V	1.9	V	µg/L	11.1	0.2	1
CWM-186-MW40	WG	6/7/05	05F088	SW8260B	Carbon Tetrachloride	0.24	J	0.24	J	µg/L	0.0	0.2	1
CWM-186-MW40	WG	6/7/05	05F088	SW8260B	Chlorobenzene	0.52	J	0.58	J	µg/L	10.9	0.2	1
CWM-186-MW40	WG	6/7/05	05F088	SW8260B	Chloroform	280	J	300	J	µg/L	6.9	100	500
CWM-186-MW40	WG	6/7/05	05F088	SW8260B	Cis-1,2-Dichloroethene	400	J	440	J	µg/L	9.5	100	500
CWM-186-MW40	WG	6/7/05	05F088	SW8260B	Hexachlorobutadiene	0.75	J	0.84	J	µg/L	11.3	0.2	1
CWM-186-MW40	WG	6/7/05	05F088	SW8260B	Methylene Chloride	1.7	J	1.9	J	µg/L	11.1	1	2
CWM-186-MW40	WG	6/7/05	05F088	SW8260B	Tetrachloroethylene	290	J	340	J	µg/L	15.9	100	500
CWM-186-MW40	WG	6/7/05	05F088	SW8260B	Trans-1,2-Dichloroethene	110	VE	120	VE	µg/L	8.7	0.2	1
CWM-186-MW40	WG	6/7/05	05F088	SW8260B	Trichloroethene	3300	V	3700	V	µg/L	11.4	100	500
CWM-186-MW40	WG	6/7/05	05F088	SW8260B	Vinyl Chloride	3.1	V	3.4	V	µg/L	9.2	0.2	1
CWM-186-MW56	WG	6/16/05	05F177	RSK-175	Methane	14	V	14	V	µg/L	0.0	0.6	1.2
CWM-186-MW56	WG	6/16/05	05F177	SW8260B	Trichloroethene	2.7	V	2.6	V	µg/L	3.8	0.2	1
CWM-186-SEEP03	SP	6/17/05	05F188	SW8260B	1,1,2,2-Tetrachloroethane	63	V	66	V	µg/L	4.7	1.5	5
CWM-186-SEEP03	SP	6/17/05	05F188	SW8260B	1,1,2-Trichloroethane	0.24	J	0.3	J	µg/L	22.2	0.2	1
CWM-186-SEEP03	SP	6/17/05	05F188	SW8260B	Carbon Tetrachloride	0.37	J	0.38	J	µg/L	2.7	0.2	1
CWM-186-SEEP03	SP	6/17/05	05F188	SW8260B	Cis-1,2-Dichloroethene	0.45	J	0.5	J	µg/L	10.5	0.2	1
CWM-186-SEEP03	SP	6/17/05	05F188	SW8260B	Tetrachloroethylene	0.21	J	0.21	J	µg/L	0.0	0.2	1
CWM-186-SEEP03	SP	6/17/05	05F188	SW8260B	Trichloroethene	12	V	13	V	µg/L	8.0	0.2	1

Notes:

FD = Field duplicate
MDL = Method detection limit
µg/L = micrograms per liter
NS = Normal sample
RL = Reporting limit
RPD = Relative percent difference
SP = Seep
WG = Ground water

Table D5-7: Comparison of Investigative and Field Duplicate Sample Detections
Parcel 186(6), Training Area T-38
McClellan, Anniston, Alabama

Station Name	Matrix	Sample Date	Delivery Group	Method	Parameter Name	FD Value	FD Lab Flag	NS Value	NS Lab Flag	Reporting Units	RPD	MDL	RL

Lab Flags:
E = Result is above the maximum calibration range.
J = Estimated value. The analyte is positively identified and the concentration is less than the reporting limit (RL) but greater than the method detection limit (MDL).
V = Detected value.

Table D5-8: Summary of Field Quality Control Blank Sample Detections
Parcel 186(6), Training Area T-38
McClellan, Anniston, Alabama

Station Name	COC Number	Delivery Group	Matrix	Sample Date	QC Code	Method	Parameter Name	Value	Lab Flag	Reporting Units	MDL	RL
EQUIPMENT BLANK	2065	05F177	W	6/16/05	EB	SW8260B	Chloroform	0.26	J	µg/L	0.2	1
EQUIPMENT BLANK	2066	05F143	W	6/14/05	EB	SW8260B	Chloroform	0.29	J	µg/L	0.2	1
MATERIAL BLANK	2067	05F188	W	6/17/05	EB	SW8260B	Chloroform	0.23	J	µg/L	0.2	1
MATERIAL BLANK	2068	05F188	W	6/17/05	EB	SW8260B	Carbon Disulfide	0.41	J	µg/L	0.2	1
MATERIAL BLANK	2068	05F188	W	6/17/05	EB	SW8260B	Chloroform	0.24	J	µg/L	0.2	1

Notes:
EB = Equipment blank
MDL = Method detection limit
µg/L = micrograms per liter
QC = Quality Control
RL = Reporting limit
W = Water

Lab Flags:
J = Estimated value. The analyte is positively identified and the concentration is less than the reporting limit (RL) but greater than the method detection limit (MDL).

Table D5-9: Summary of LCS/LCSD Recoveries and RPDs
Parcel 186(6), Training Area T-38
McClellan, Anniston, Alabama

Analytical Batch	Lab ID	Analysis Date	Delivery Group	Matrix	Method	Parameter Name	LCS %R	LCSD %R	LCL	UCL	RPD	RPD Limit
FF07002A	DG10F04L/C	6/7/05	05F035, 05F050	W	RSK-175	Ethane	120	116	50	150	3.4	20
FF07002A	DG10F04L/C	6/7/05	05F035, 05F050	W	RSK-175	Ethene	125	122	50	150	2.4	20
FF07002A	DG10F04L/C	6/7/05	05F035, 05F050	W	RSK-175	Methane	104	101	50	150	2.9	20
FF08002A	DG10F05L/C	6/8/05	05F076	W	RSK-175	Ethane	113	112	50	150	0.9	20
FF08002A	DG10F05L/C	6/8/05	05F076	W	RSK-175	Ethene	118	117	50	150	0.9	20
FF08002A	DG10F05L/C	6/8/05	05F076	W	RSK-175	Methane	99	97	50	150	2.0	20
FF14008A	DG10F11L/C	6/14/05	05F088, 05F107, 05F130	W	RSK-175	Ethane	105	105	50	150	0.0	20
FF14008A	DG10F11L/C	6/14/05	05F088, 05F107, 05F130	W	RSK-175	Ethene	111	110	50	150	0.9	20
FF14008A	DG10F11L/C	6/14/05	05F088, 05F107, 05F130	W	RSK-175	Methane	90	90	50	150	0.0	20
FF15002A	DG10F12L/C	6/15/05	05F134, 05F143	W	RSK-175	Ethane	114	113	50	150	0.9	20
FF15002A	DG10F12L/C	6/15/05	05F134, 05F143	W	RSK-175	Ethene	120	119	50	150	0.8	20
FF15002A	DG10F12L/C	6/15/05	05F134, 05F143	W	RSK-175	Methane	99	98	50	150	1.0	20
FF21002A	DG10F15L/C	6/21/05	05F177	W	RSK-175	Ethane	117	113	50	150	3.5	20
FF21002A	DG10F15L/C	6/21/05	05F177	W	RSK-175	Ethene	120	116	50	150	3.4	20
FF21002A	DG10F15L/C	6/21/05	05F177	W	RSK-175	Methane	101	98	50	150	3.0	20
HCF006W	HCF006WL/C	6/15/05	05F143	W	SW7199	Chromium VI	100	100	80	120	0.0	20
REC670	VO67F16L/C	6/9/05	05F050	W	SW8260B	1,1,1,2-Tetrachloroethane	114	110	70	130	3.6	30
REC670	VO67F16L/C	6/9/05	05F050	W	SW8260B	1,1,1-Trichloroethane	105	103	70	127	1.9	20
REC670	VO67F16L/C	6/9/05	05F050	W	SW8260B	1,1,2,2-Tetrachloroethane	107	104	68	129	2.8	20
REC670	VO67F16L/C	6/9/05	05F050	W	SW8260B	1,1,2-Trichloro-1,2,2-Trifluoroethane	105	103	54	154	1.9	20
REC670	VO67F16L/C	6/9/05	05F050	W	SW8260B	1,1,2-Trichloroethane	113	112	79	136	0.9	20
REC670	VO67F16L/C	6/9/05	05F050	W	SW8260B	1,1-Dichloroethane	110	107	80	133	2.8	20
REC670	VO67F16L/C	6/9/05	05F050	W	SW8260B	1,1-Dichloroethene	102	100	75	125	2.0	20
REC670	VO67F16L/C	6/9/05	05F050	W	SW8260B	1,1-Dichloropropene	111	109	76	135	1.8	20
REC670	VO67F16L/C	6/9/05	05F050	W	SW8260B	1,2,3-Trichlorobenzene	108	106	75	133	1.9	20
REC670	VO67F16L/C	6/9/05	05F050	W	SW8260B	1,2,3-Trichloropropane	109	103	65	139	5.7	20
REC670	VO67F16L/C	6/9/05	05F050	W	SW8260B	1,2,4-Trichlorobenzene	103	102	80	130	1.0	20
REC670	VO67F16L/C	6/9/05	05F050	W	SW8260B	1,2,4-Trimethylbenzene	100	96	76	123	4.1	20
REC670	VO67F16L/C	6/9/05	05F050	W	SW8260B	1,2-Dibromo-3-Chloropropane	108	111	75	132	2.7	20
REC670	VO67F16L/C	6/9/05	05F050	W	SW8260B	1,2-Dibromoethane	114	114	80	127	0.0	20
REC670	VO67F16L/C	6/9/05	05F050	W	SW8260B	1,2-Dichlorobenzene	109	105	73	120	3.7	20
REC670	VO67F16L/C	6/9/05	05F050	W	SW8260B	1,2-Dichloroethane	117	113	67	132	3.5	20
REC670	VO67F16L/C	6/9/05	05F050	W	SW8260B	1,2-Dichloropropane	114	111	77	127	2.7	20
REC670	VO67F16L/C	6/9/05	05F050	W	SW8260B	1,3,5-Trimethylbenzene	100	97	78	121	3.0	20

Table D5-9: Summary of LCS/LCSD Recoveries and RPDs
Parcel 186(6), Training Area T-38
McClellan, Anniston, Alabama

Analytical Batch	Lab ID	Analysis Date	Delivery Group	Matrix	Method	Parameter Name	LCS %R	LCSD %R	LCL	UCL	RPD	RPD Limit
REC670	VO67F16L/C	6/9/05	05F050	W	SW8260B	1,3-Dichlorobenzene	105	101	75	122	3.9	20
REC670	VO67F16L/C	6/9/05	05F050	W	SW8260B	1,3-Dichloropropane	112	109	80	133	2.7	20
REC670	VO67F16L/C	6/9/05	05F050	W	SW8260B	1,4-Dichlorobenzene	102	100	74	123	2.0	20
REC670	VO67F16L/C	6/9/05	05F050	W	SW8260B	2,2-Dichloropropane	100	96	62	134	4.1	20
REC670	VO67F16L/C	6/9/05	05F050	W	SW8260B	2-Butanone (MEK)	104	99	45	150	4.9	20
REC670	VO67F16L/C	6/9/05	05F050	W	SW8260B	2-Chlorotoluene	97	91	45	150	6.4	20
REC670	VO67F16L/C	6/9/05	05F050	W	SW8260B	2-Hexanone	111	109	79	121	1.8	20
REC670	VO67F16L/C	6/9/05	05F050	W	SW8260B	4-Chlorotoluene	95	97	73	127	2.1	20
REC670	VO67F16L/C	6/9/05	05F050	W	SW8260B	4-Methyl-2-Pentanone (MIBK)	104	115	59	150	10.0	20
REC670	VO67F16L/C	6/9/05	05F050	W	SW8260B	Acetone	106	107	51	157	0.9	20
REC670	VO67F16L/C	6/9/05	05F050	W	SW8260B	Acrylonitrile	116	111	50	150	4.4	30
REC670	VO67F16L/C	6/9/05	05F050	W	SW8260B	Benzene	106	103	79	126	2.9	20
REC670	VO67F16L/C	6/9/05	05F050	W	SW8260B	Bromobenzene	103	98	74	123	5.0	20
REC670	VO67F16L/C	6/9/05	05F050	W	SW8260B	Bromochloromethane	115	112	78	127	2.6	20
REC670	VO67F16L/C	6/9/05	05F050	W	SW8260B	Bromodichloromethane	108	107	70	130	0.9	20
REC670	VO67F16L/C	6/9/05	05F050	W	SW8260B	Bromoform	112	110	72	136	1.8	20
REC670	VO67F16L/C	6/9/05	05F050	W	SW8260B	Bromomethane	93	96	35	153	3.2	20
REC670	VO67F16L/C	6/9/05	05F050	W	SW8260B	Carbon Disulfide	102	100	74	123	2.0	20
REC670	VO67F16L/C	6/9/05	05F050	W	SW8260B	Carbon Tetrachloride	107	105	71	132	1.9	20
REC670	VO67F16L/C	6/9/05	05F050	W	SW8260B	Chlorobenzene	108	106	80	127	1.9	20
REC670	VO67F16L/C	6/9/05	05F050	W	SW8260B	Chloroethane	105	107	72	129	1.9	20
REC670	VO67F16L/C	6/9/05	05F050	W	SW8260B	Chloroform	103	100	74	127	3.0	20
REC670	VO67F16L/C	6/9/05	05F050	W	SW8260B	Chloromethane	98	100	58	135	2.0	20
REC670	VO67F16L/C	6/9/05	05F050	W	SW8260B	Cis-1,2-Dichloroethene	112	108	73	133	3.6	20
REC670	VO67F16L/C	6/9/05	05F050	W	SW8260B	Cis-1,3-Dichloropropene	111	106	73	132	4.6	20
REC670	VO67F16L/C	6/9/05	05F050	W	SW8260B	Dibromochloromethane	116	114	74	145	1.7	20
REC670	VO67F16L/C	6/9/05	05F050	W	SW8260B	Dibromomethane	116	116	76	132	0.0	20
REC670	VO67F16L/C	6/9/05	05F050	W	SW8260B	Dichlorodifluoromethane	89	90	59	134	1.1	20
REC670	VO67F16L/C	6/9/05	05F050	W	SW8260B	Ethylbenzene	105	104	79	120	1.0	20
REC670	VO67F16L/C	6/9/05	05F050	W	SW8260B	Hexachlorobutadiene	108	106	78	133	1.9	20
REC670	VO67F16L/C	6/9/05	05F050	W	SW8260B	Iodomethane	99	101	70	130	2.0	30
REC670	VO67F16L/C	6/9/05	05F050	W	SW8260B	Isopropyl Benzene	112	108	77	126	3.6	20
REC670	VO67F16L/C	6/9/05	05F050	W	SW8260B	M,P-Xylene	107	105	79	122	1.9	20
REC670	VO67F16L/C	6/9/05	05F050	W	SW8260B	Methylene Chloride	106	104	69	118	1.9	20

Table D5-9: Summary of LCS/LCSD Recoveries and RPDs
Parcel 186(6), Training Area T-38
McClellan, Anniston, Alabama

Analytical Batch	Lab ID	Analysis Date	Delivery Group	Matrix	Method	Parameter Name	LCS %R	LCSD %R	LCL	UCL	RPD	RPD Limit
REC670	VO67F16L/C	6/9/05	05F050	W	SW8260B	MTBE	104	102	59	129	1.9	20
REC670	VO67F16L/C	6/9/05	05F050	W	SW8260B	Naphthalene	95	94	65	149	1.1	20
REC670	VO67F16L/C	6/9/05	05F050	W	SW8260B	N-Butylbenzene	100	99	78	126	1.0	20
REC670	VO67F16L/C	6/9/05	05F050	W	SW8260B	N-Propylbenzene	101	99	75	127	2.0	20
REC670	VO67F16L/C	6/9/05	05F050	W	SW8260B	O-Xylene	108	106	82	120	1.9	20
REC670	VO67F16L/C	6/9/05	05F050	W	SW8260B	P-Isopropyltoluene	110	106	78	125	3.7	20
REC670	VO67F16L/C	6/9/05	05F050	W	SW8260B	Sec-Butylbenzene	101	98	78	125	3.0	20
REC670	VO67F16L/C	6/9/05	05F050	W	SW8260B	Styrene	108	106	76	130	1.9	20
REC670	VO67F16L/C	6/9/05	05F050	W	SW8260B	Tert-Butylbenzene	106	102	76	125	3.8	20
REC670	VO67F16L/C	6/9/05	05F050	W	SW8260B	Tetrachloroethylene	105	103	80	129	1.9	20
REC670	VO67F16L/C	6/9/05	05F050	W	SW8260B	Toluene	107	104	80	125	2.8	20
REC670	VO67F16L/C	6/9/05	05F050	W	SW8260B	Trans-1,2-Dichloroethene	108	104	78	134	3.8	20
REC670	VO67F16L/C	6/9/05	05F050	W	SW8260B	Trans-1,3-Dichloropropene	120	116	74	131	3.4	20
REC670	VO67F16L/C	6/9/05	05F050	W	SW8260B	Trans-1,4-Dichloro-2-Butene	113	110	50	150	2.7	30
REC670	VO67F16L/C	6/9/05	05F050	W	SW8260B	Trichloroethene	107	104	67	128	2.8	20
REC670	VO67F16L/C	6/9/05	05F050	W	SW8260B	Trichlorofluoromethane	104	105	68	133	1.0	20
REC670	VO67F16L/C	6/9/05	05F050	W	SW8260B	Vinyl Acetate	99	96	36	176	3.1	20
REC670	VO67F16L/C	6/9/05	05F050	W	SW8260B	Vinyl Chloride	107	108	73	134	0.9	20
REC670	VO67F18L/C	6/10/05	05F050	W	SW8260B	1,1,1,2-Tetrachloroethane	108	110	70	130	1.8	30
REC670	VO67F18L/C	6/10/05	05F050	W	SW8260B	1,1,1-Trichloroethane	101	103	70	127	2.0	20
REC670	VO67F18L/C	6/10/05	05F050	W	SW8260B	1,1,2,2-Tetrachloroethane	105	109	68	129	3.7	20
REC670	VO67F18L/C	6/10/05	05F050	W	SW8260B	1,1,2-Trichloro-1,2,2-Trifluoroethane	101	101	54	154	0.0	20
REC670	VO67F18L/C	6/10/05	05F050	W	SW8260B	1,1,2-Trichloroethane	105	109	79	136	3.7	20
REC670	VO67F18L/C	6/10/05	05F050	W	SW8260B	1,1-Dichloroethane	105	107	80	133	1.9	20
REC670	VO67F18L/C	6/10/05	05F050	W	SW8260B	1,1-Dichloroethene	97	99	75	125	2.0	20
REC670	VO67F18L/C	6/10/05	05F050	W	SW8260B	1,1-Dichloropropene	102	104	76	135	1.9	20
REC670	VO67F18L/C	6/10/05	05F050	W	SW8260B	1,2,3-Trichlorobenzene	101	109	75	133	7.6	20
REC670	VO67F18L/C	6/10/05	05F050	W	SW8260B	1,2,3-Trichloropropane	104	103	65	139	1.0	20
REC670	VO67F18L/C	6/10/05	05F050	W	SW8260B	1,2,4-Trichlorobenzene	95	103	80	130	8.1	20
REC670	VO67F18L/C	6/10/05	05F050	W	SW8260B	1,2,4-Trimethylbenzene	94	97	76	123	3.1	20
REC670	VO67F18L/C	6/10/05	05F050	W	SW8260B	1,2-Dibromo-3-Chloropropane	113	114	75	132	0.9	20
REC670	VO67F18L/C	6/10/05	05F050	W	SW8260B	1,2-Dibromoethane	110	110	80	127	0.0	20
REC670	VO67F18L/C	6/10/05	05F050	W	SW8260B	1,2-Dichlorobenzene	103	105	73	120	1.9	20
REC670	VO67F18L/C	6/10/05	05F050	W	SW8260B	1,2-Dichloroethane	112	112	67	132	0.0	20

Table D5-9: Summary of LCS/LCSD Recoveries and RPDs
Parcel 186(6), Training Area T-38
McClellan, Anniston, Alabama

Analytical Batch	Lab ID	Analysis Date	Delivery Group	Matrix	Method	Parameter Name	LCS %R	LCSD %R	LCL	UCL	RPD	RPD Limit
REC670	VO67F18L/C	6/10/05	05F050	W	SW8260B	1,2-Dichloropropane	109	109	77	127	0.0	20
REC670	VO67F18L/C	6/10/05	05F050	W	SW8260B	1,3,5-Trimethylbenzene	94	97	78	121	3.1	20
REC670	VO67F18L/C	6/10/05	05F050	W	SW8260B	1,3-Dichlorobenzene	99	102	75	122	3.0	20
REC670	VO67F18L/C	6/10/05	05F050	W	SW8260B	1,3-Dichloropropane	106	107	80	133	0.9	20
REC670	VO67F18L/C	6/10/05	05F050	W	SW8260B	1,4-Dichlorobenzene	96	99	74	123	3.1	20
REC670	VO67F18L/C	6/10/05	05F050	W	SW8260B	2,2-Dichloropropane	93	96	62	134	3.2	20
REC670	VO67F18L/C	6/10/05	05F050	W	SW8260B	2-Butanone (MEK)	94	97	45	150	3.1	20
REC670	VO67F18L/C	6/10/05	05F050	W	SW8260B	2-Chlorotoluene	89	100	45	150	11.6	20
REC670	VO67F18L/C	6/10/05	05F050	W	SW8260B	2-Hexanone	104	106	79	121	1.9	20
REC670	VO67F18L/C	6/10/05	05F050	W	SW8260B	4-Chlorotoluene	94	99	73	127	5.2	20
REC670	VO67F18L/C	6/10/05	05F050	W	SW8260B	4-Methyl-2-Pentanone (MIBK)	109	108	59	150	0.9	20
REC670	VO67F18L/C	6/10/05	05F050	W	SW8260B	Acetone	101	104	51	157	2.9	20
REC670	VO67F18L/C	6/10/05	05F050	W	SW8260B	Acrylonitrile	110	110	50	150	0.0	30
REC670	VO67F18L/C	6/10/05	05F050	W	SW8260B	Benzene	100	102	79	126	2.0	20
REC670	VO67F18L/C	6/10/05	05F050	W	SW8260B	Bromobenzene	98	98	74	123	0.0	20
REC670	VO67F18L/C	6/10/05	05F050	W	SW8260B	Bromochloromethane	109	110	78	127	0.9	20
REC670	VO67F18L/C	6/10/05	05F050	W	SW8260B	Bromodichloromethane	104	105	70	130	1.0	20
REC670	VO67F18L/C	6/10/05	05F050	W	SW8260B	Bromoform	109	110	72	136	0.9	20
REC670	VO67F18L/C	6/10/05	05F050	W	SW8260B	Bromomethane	87	91	35	153	4.5	20
REC670	VO67F18L/C	6/10/05	05F050	W	SW8260B	Carbon Disulfide	97	99	74	123	2.0	20
REC670	VO67F18L/C	6/10/05	05F050	W	SW8260B	Carbon Tetrachloride	102	103	71	132	1.0	20
REC670	VO67F18L/C	6/10/05	05F050	W	SW8260B	Chlorobenzene	103	105	80	127	1.9	20
REC670	VO67F18L/C	6/10/05	05F050	W	SW8260B	Chloroethane	99	103	72	129	4.0	20
REC670	VO67F18L/C	6/10/05	05F050	W	SW8260B	Chloroform	100	100	74	127	0.0	20
REC670	VO67F18L/C	6/10/05	05F050	W	SW8260B	Chloromethane	91	95	58	135	4.3	20
REC670	VO67F18L/C	6/10/05	05F050	W	SW8260B	Cis-1,2-Dichloroethene	107	109	73	133	1.9	20
REC670	VO67F18L/C	6/10/05	05F050	W	SW8260B	Cis-1,3-Dichloropropene	104	107	73	132	2.8	20
REC670	VO67F18L/C	6/10/05	05F050	W	SW8260B	Dibromochloromethane	112	113	74	145	0.9	20
REC670	VO67F18L/C	6/10/05	05F050	W	SW8260B	Dibromomethane	112	115	76	132	2.6	20
REC670	VO67F18L/C	6/10/05	05F050	W	SW8260B	Dichlorodifluoromethane	82	87	59	134	5.9	20
REC670	VO67F18L/C	6/10/05	05F050	W	SW8260B	Ethylbenzene	100	102	79	120	2.0	20
REC670	VO67F18L/C	6/10/05	05F050	W	SW8260B	Hexachlorobutadiene	103	105	78	133	1.9	20
REC670	VO67F18L/C	6/10/05	05F050	W	SW8260B	Iodomethane	97	100	70	130	3.0	30
REC670	VO67F18L/C	6/10/05	05F050	W	SW8260B	Isopropyl Benzene	107	108	77	126	0.9	20

Table D5-9: Summary of LCS/LCSD Recoveries and RPDs
Parcel 186(6), Training Area T-38
McClellan, Anniston, Alabama

Analytical Batch	Lab ID	Analysis Date	Delivery Group	Matrix	Method	Parameter Name	LCS %R	LCSD %R	LCL	UCL	RPD	RPD Limit
REC670	VO67F18L/C	6/10/05	05F050	W	SW8260B	M,P-Xylene	102	104	79	122	1.9	20
REC670	VO67F18L/C	6/10/05	05F050	W	SW8260B	Methylene Chloride	101	100	69	118	1.0	20
REC670	VO67F18L/C	6/10/05	05F050	W	SW8260B	MTBE	100	102	59	129	2.0	20
REC670	VO67F18L/C	6/10/05	05F050	W	SW8260B	Naphthalene	89	94	65	149	5.5	20
REC670	VO67F18L/C	6/10/05	05F050	W	SW8260B	N-Butylbenzene	95	101	78	126	6.1	20
REC670	VO67F18L/C	6/10/05	05F050	W	SW8260B	N-Propylbenzene	95	98	75	127	3.1	20
REC670	VO67F18L/C	6/10/05	05F050	W	SW8260B	O-Xylene	103	105	82	120	1.9	20
REC670	VO67F18L/C	6/10/05	05F050	W	SW8260B	P-Isopropyltoluene	101	107	78	125	5.8	20
REC670	VO67F18L/C	6/10/05	05F050	W	SW8260B	Sec-Butylbenzene	95	99	78	125	4.1	20
REC670	VO67F18L/C	6/10/05	05F050	W	SW8260B	Styrene	102	103	76	130	1.0	20
REC670	VO67F18L/C	6/10/05	05F050	W	SW8260B	Tert-Butylbenzene	100	102	76	125	2.0	20
REC670	VO67F18L/C	6/10/05	05F050	W	SW8260B	Tetrachloroethylene	100	100	80	129	0.0	20
REC670	VO67F18L/C	6/10/05	05F050	W	SW8260B	Toluene	102	103	80	125	1.0	20
REC670	VO67F18L/C	6/10/05	05F050	W	SW8260B	Trans-1,2-Dichloroethene	103	105	78	134	1.9	20
REC670	VO67F18L/C	6/10/05	05F050	W	SW8260B	Trans-1,3-Dichloropropene	114	115	74	131	0.9	20
REC670	VO67F18L/C	6/10/05	05F050	W	SW8260B	Trans-1,4-Dichloro-2-Butene	111	112	50	150	0.9	30
REC670	VO67F18L/C	6/10/05	05F050	W	SW8260B	Trichloroethene	102	102	67	128	0.0	20
REC670	VO67F18L/C	6/10/05	05F050	W	SW8260B	Trichlorofluoromethane	98	102	68	133	4.0	20
REC670	VO67F18L/C	6/10/05	05F050	W	SW8260B	Vinyl Acetate	98	96	36	176	2.1	20
REC670	VO67F18L/C	6/10/05	05F050	W	SW8260B	Vinyl Chloride	99	103	73	134	4.0	20
REC670	VO67F19L/C	6/10/05	05F050	W	SW8260B	1,1,1,2-Tetrachloroethane	104	106	70	130	1.9	30
REC670	VO67F19L/C	6/10/05	05F050	W	SW8260B	1,1,1-Trichloroethane	100	100	70	127	0.0	20
REC670	VO67F19L/C	6/10/05	05F050	W	SW8260B	1,1,2,2-Tetrachloroethane	102	104	68	129	1.9	20
REC670	VO67F19L/C	6/10/05	05F050	W	SW8260B	1,1,2-Trichloro-1,2,2-Trifluoroethane	98	95	54	154	3.1	20
REC670	VO67F19L/C	6/10/05	05F050	W	SW8260B	1,1,2-Trichloroethane	104	107	79	136	2.8	20
REC670	VO67F19L/C	6/10/05	05F050	W	SW8260B	1,1-Dichloroethane	104	104	80	133	0.0	20
REC670	VO67F19L/C	6/10/05	05F050	W	SW8260B	1,1-Dichloroethene	96	95	75	125	1.0	20
REC670	VO67F19L/C	6/10/05	05F050	W	SW8260B	1,1-Dichloropropene	101	100	76	135	1.0	20
REC670	VO67F19L/C	6/10/05	05F050	W	SW8260B	1,2,3-Trichlorobenzene	101	102	75	133	1.0	20
REC670	VO67F19L/C	6/10/05	05F050	W	SW8260B	1,2,3-Trichloropropane	105	106	65	139	0.9	20
REC670	VO67F19L/C	6/10/05	05F050	W	SW8260B	1,2,4-Trichlorobenzene	97	95	80	130	2.1	20
REC670	VO67F19L/C	6/10/05	05F050	W	SW8260B	1,2,4-Trimethylbenzene	94	90	76	123	4.3	20
REC670	VO67F19L/C	6/10/05	05F050	W	SW8260B	1,2-Dibromo-3-Chloropropane	104	105	75	132	1.0	20
REC670	VO67F19L/C	6/10/05	05F050	W	SW8260B	1,2-Dibromoethane	102	108	80	127	5.7	20

Table D5-9: Summary of LCS/LCSD Recoveries and RPDs
Parcel 186(6), Training Area T-38
McClellan, Anniston, Alabama

Analytical Batch	Lab ID	Analysis Date	Delivery Group	Matrix	Method	Parameter Name	LCS %R	LCSD %R	LCL	UCL	RPD	RPD Limit
REC670	VO67F19L/C	6/10/05	05F050	W	SW8260B	1,2-Dichlorobenzene	100	101	73	120	1.0	20
REC670	VO67F19L/C	6/10/05	05F050	W	SW8260B	1,2-Dichloroethane	106	110	67	132	3.7	20
REC670	VO67F19L/C	6/10/05	05F050	W	SW8260B	1,2-Dichloropropane	104	106	77	127	1.9	20
REC670	VO67F19L/C	6/10/05	05F050	W	SW8260B	1,3,5-Trimethylbenzene	94	90	78	121	4.3	20
REC670	VO67F19L/C	6/10/05	05F050	W	SW8260B	1,3-Dichlorobenzene	99	95	75	122	4.1	20
REC670	VO67F19L/C	6/10/05	05F050	W	SW8260B	1,3-Dichloropropane	102	104	80	133	1.9	20
REC670	VO67F19L/C	6/10/05	05F050	W	SW8260B	1,4-Dichlorobenzene	96	94	74	123	2.1	20
REC670	VO67F19L/C	6/10/05	05F050	W	SW8260B	2,2-Dichloropropane	101	98	62	134	3.0	20
REC670	VO67F19L/C	6/10/05	05F050	W	SW8260B	2-Butanone (MEK)	96	105	45	150	9.0	20
REC670	VO67F19L/C	6/10/05	05F050	W	SW8260B	2-Chlorotoluene	91	86	45	150	5.6	20
REC670	VO67F19L/C	6/10/05	05F050	W	SW8260B	2-Hexanone	98	108	79	121	9.7	20
REC670	VO67F19L/C	6/10/05	05F050	W	SW8260B	4-Chlorotoluene	91	90	73	127	1.1	20
REC670	VO67F19L/C	6/10/05	05F050	W	SW8260B	4-Methyl-2-Pentanone (MIBK)	106	115	59	150	8.1	20
REC670	VO67F19L/C	6/10/05	05F050	W	SW8260B	Acetone	100	106	51	157	5.8	20
REC670	VO67F19L/C	6/10/05	05F050	W	SW8260B	Acrylonitrile	104	116	50	150	10.9	30
REC670	VO67F19L/C	6/10/05	05F050	W	SW8260B	Benzene	99	98	79	126	1.0	20
REC670	VO67F19L/C	6/10/05	05F050	W	SW8260B	Bromobenzene	97	94	74	123	3.1	20
REC670	VO67F19L/C	6/10/05	05F050	W	SW8260B	Bromochloromethane	105	110	78	127	4.7	20
REC670	VO67F19L/C	6/10/05	05F050	W	SW8260B	Bromodichloromethane	101	104	70	130	2.9	20
REC670	VO67F19L/C	6/10/05	05F050	W	SW8260B	Bromoform	104	105	72	136	1.0	20
REC670	VO67F19L/C	6/10/05	05F050	W	SW8260B	Bromomethane	88	88	35	153	0.0	20
REC670	VO67F19L/C	6/10/05	05F050	W	SW8260B	Carbon Disulfide	95	96	74	123	1.0	20
REC670	VO67F19L/C	6/10/05	05F050	W	SW8260B	Carbon Tetrachloride	100	97	71	132	3.0	20
REC670	VO67F19L/C	6/10/05	05F050	W	SW8260B	Chlorobenzene	101	101	80	127	0.0	20
REC670	VO67F19L/C	6/10/05	05F050	W	SW8260B	Chloroethane	100	99	72	129	1.0	20
REC670	VO67F19L/C	6/10/05	05F050	W	SW8260B	Chloroform	97	98	74	127	1.0	20
REC670	VO67F19L/C	6/10/05	05F050	W	SW8260B	Chloromethane	95	95	58	135	0.0	20
REC670	VO67F19L/C	6/10/05	05F050	W	SW8260B	Cis-1,2-Dichloroethene	107	107	73	133	0.0	20
REC670	VO67F19L/C	6/10/05	05F050	W	SW8260B	Cis-1,3-Dichloropropene	101	106	73	132	4.8	20
REC670	VO67F19L/C	6/10/05	05F050	W	SW8260B	Dibromochloromethane	107	111	74	145	3.7	20
REC670	VO67F19L/C	6/10/05	05F050	W	SW8260B	Dibromomethane	109	113	76	132	3.6	20
REC670	VO67F19L/C	6/10/05	05F050	W	SW8260B	Dichlorodifluoromethane	85	85	59	134	0.0	20
REC670	VO67F19L/C	6/10/05	05F050	W	SW8260B	Ethylbenzene	98	97	79	120	1.0	20
REC670	VO67F19L/C	6/10/05	05F050	W	SW8260B	Hexachlorobutadiene	102	99	78	133	3.0	20

Table D5-9: Summary of LCS/LCSD Recoveries and RPDs
Parcel 186(6), Training Area T-38
McClellan, Anniston, Alabama

Analytical Batch	Lab ID	Analysis Date	Delivery Group	Matrix	Method	Parameter Name	LCS %R	LCSD %R	LCL	UCL	RPD	RPD Limit
REC670	VO67F19L/C	6/10/05	05F050	W	SW8260B	Iodomethane	95	98	70	130	3.1	30
REC670	VO67F19L/C	6/10/05	05F050	W	SW8260B	Isopropyl Benzene	106	100	77	126	5.8	20
REC670	VO67F19L/C	6/10/05	05F050	W	SW8260B	M,P-Xylene	99	98	79	122	1.0	20
REC670	VO67F19L/C	6/10/05	05F050	W	SW8260B	Methylene Chloride	102	103	69	118	1.0	20
REC670	VO67F19L/C	6/10/05	05F050	W	SW8260B	MTBE	97	103	59	129	6.0	20
REC670	VO67F19L/C	6/10/05	05F050	W	SW8260B	Naphthalene	84	89	65	149	5.8	20
REC670	VO67F19L/C	6/10/05	05F050	W	SW8260B	N-Butylbenzene	99	93	78	126	6.3	20
REC670	VO67F19L/C	6/10/05	05F050	W	SW8260B	N-Propylbenzene	95	91	75	127	4.3	20
REC670	VO67F19L/C	6/10/05	05F050	W	SW8260B	O-Xylene	101	101	82	120	0.0	20
REC670	VO67F19L/C	6/10/05	05F050	W	SW8260B	P-Isopropyltoluene	103	98	78	125	5.0	20
REC670	VO67F19L/C	6/10/05	05F050	W	SW8260B	Sec-Butylbenzene	96	92	78	125	4.3	20
REC670	VO67F19L/C	6/10/05	05F050	W	SW8260B	Styrene	100	100	76	130	0.0	20
REC670	VO67F19L/C	6/10/05	05F050	W	SW8260B	Tert-Butylbenzene	99	94	76	125	5.2	20
REC670	VO67F19L/C	6/10/05	05F050	W	SW8260B	Tetrachloroethylene	97	95	80	129	2.1	20
REC670	VO67F19L/C	6/10/05	05F050	W	SW8260B	Toluene	98	98	80	125	0.0	20
REC670	VO67F19L/C	6/10/05	05F050	W	SW8260B	Trans-1,2-Dichloroethene	101	101	78	134	0.0	20
REC670	VO67F19L/C	6/10/05	05F050	W	SW8260B	Trans-1,3-Dichloropropene	111	115	74	131	3.5	20
REC670	VO67F19L/C	6/10/05	05F050	W	SW8260B	Trans-1,4-Dichloro-2-Butene	104	106	50	150	1.9	30
REC670	VO67F19L/C	6/10/05	05F050	W	SW8260B	Trichloroethene	100	98	67	128	2.0	20
REC670	VO67F19L/C	6/10/05	05F050	W	SW8260B	Trichlorofluoromethane	99	99	68	133	0.0	20
REC670	VO67F19L/C	6/10/05	05F050	W	SW8260B	Vinyl Acetate	90	94	36	176	4.3	20
REC670	VO67F19L/C	6/10/05	05F050	W	SW8260B	Vinyl Chloride	100	101	73	134	1.0	20
REC670	VO67F27L/C	6/14/05	05F076, 05F088	W	SW8260B	1,1,1,2-Tetrachloroethane	111	109	70	130	1.8	30
REC670	VO67F27L/C	6/14/05	05F076, 05F088	W	SW8260B	1,1,1-Trichloroethane	107	107	70	127	0.0	20
REC670	VO67F27L/C	6/14/05	05F076, 05F088	W	SW8260B	1,1,2,2-Tetrachloroethane	111	108	68	129	2.7	20
REC670	VO67F27L/C	6/14/05	05F076, 05F088	W	SW8260B	1,1,2-Trichloro-1,2,2-Trifluoroethane	102	103	54	154	1.0	20
REC670	VO67F27L/C	6/14/05	05F076, 05F088	W	SW8260B	1,1,2-Trichloroethane	114	110	79	136	3.6	20
REC670	VO67F27L/C	6/14/05	05F076, 05F088	W	SW8260B	1,1-Dichloroethane	113	113	80	133	0.0	20
REC670	VO67F27L/C	6/14/05	05F076, 05F088	W	SW8260B	1,1-Dichloroethene	104	105	75	125	1.0	20
REC670	VO67F27L/C	6/14/05	05F076, 05F088	W	SW8260B	1,1-Dichloropropene	110	108	76	135	1.8	20
REC670	VO67F27L/C	6/14/05	05F076, 05F088	W	SW8260B	1,2,3-Trichlorobenzene	109	108	75	133	0.9	20
REC670	VO67F27L/C	6/14/05	05F076, 05F088	W	SW8260B	1,2,3-Trichloropropane	113	121	65	139	6.8	20
REC670	VO67F27L/C	6/14/05	05F076, 05F088	W	SW8260B	1,2,4-Trichlorobenzene	102	99	80	130	3.0	20
REC670	VO67F27L/C	6/14/05	05F076, 05F088	W	SW8260B	1,2,4-Trimethylbenzene	98	99	76	123	1.0	20

Table D5-9: Summary of LCS/LCSD Recoveries and RPDs
Parcel 186(6), Training Area T-38
McClellan, Anniston, Alabama

Analytical Batch	Lab ID	Analysis Date	Delivery Group	Matrix	Method	Parameter Name	LCS %R	LCSD %R	LCL	UCL	RPD	RPD Limit
REC670	VO67F27L/C	6/14/05	05F076, 05F088	W	SW8260B	1,2-Dibromo-3-Chloropropane	110	108	75	132	1.8	20
REC670	VO67F27L/C	6/14/05	05F076, 05F088	W	SW8260B	1,2-Dibromoethane	116	110	80	127	5.3	20
REC670	VO67F27L/C	6/14/05	05F076, 05F088	W	SW8260B	1,2-Dichlorobenzene	105	105	73	120	0.0	20
REC670	VO67F27L/C	6/14/05	05F076, 05F088	W	SW8260B	1,2-Dichloroethane	124	118	67	132	5.0	20
REC670	VO67F27L/C	6/14/05	05F076, 05F088	W	SW8260B	1,2-Dichloropropane	114	113	77	127	0.9	20
REC670	VO67F27L/C	6/14/05	05F076, 05F088	W	SW8260B	1,3,5-Trimethylbenzene	99	99	78	121	0.0	20
REC670	VO67F27L/C	6/14/05	05F076, 05F088	W	SW8260B	1,3-Dichlorobenzene	102	101	75	122	1.0	20
REC670	VO67F27L/C	6/14/05	05F076, 05F088	W	SW8260B	1,3-Dichloropropane	113	109	80	133	3.6	20
REC670	VO67F27L/C	6/14/05	05F076, 05F088	W	SW8260B	1,4-Dichlorobenzene	100	99	74	123	1.0	20
REC670	VO67F27L/C	6/14/05	05F076, 05F088	W	SW8260B	2,2-Dichloropropane	103	101	62	134	2.0	20
REC670	VO67F27L/C	6/14/05	05F076, 05F088	W	SW8260B	2-Butanone (MEK)	108	102	45	150	5.7	20
REC670	VO67F27L/C	6/14/05	05F076, 05F088	W	SW8260B	2-Chlorotoluene	103	103	45	150	0.0	20
REC670	VO67F27L/C	6/14/05	05F076, 05F088	W	SW8260B	2-Hexanone	117	112	79	121	4.4	20
REC670	VO67F27L/C	6/14/05	05F076, 05F088	W	SW8260B	4-Chlorotoluene	100	102	73	127	2.0	20
REC670	VO67F27L/C	6/14/05	05F076, 05F088	W	SW8260B	4-Methyl-2-Pentanone (MIBK)	120	116	59	150	3.4	20
REC670	VO67F27L/C	6/14/05	05F076, 05F088	W	SW8260B	Acetone	124	118	51	157	5.0	20
REC670	VO67F27L/C	6/14/05	05F076, 05F088	W	SW8260B	Acrylonitrile	116	112	50	150	3.5	30
REC670	VO67F27L/C	6/14/05	05F076, 05F088	W	SW8260B	Benzene	106	106	79	126	0.0	20
REC670	VO67F27L/C	6/14/05	05F076, 05F088	W	SW8260B	Bromobenzene	101	100	74	123	1.0	20
REC670	VO67F27L/C	6/14/05	05F076, 05F088	W	SW8260B	Bromochloromethane	119	117	78	127	1.7	20
REC670	VO67F27L/C	6/14/05	05F076, 05F088	W	SW8260B	Bromodichloromethane	114	111	70	130	2.7	20
REC670	VO67F27L/C	6/14/05	05F076, 05F088	W	SW8260B	Bromoform	112	111	72	136	0.9	20
REC670	VO67F27L/C	6/14/05	05F076, 05F088	W	SW8260B	Bromomethane	102	99	35	153	3.0	20
REC670	VO67F27L/C	6/14/05	05F076, 05F088	W	SW8260B	Carbon Disulfide	101	101	74	123	0.0	20
REC670	VO67F27L/C	6/14/05	05F076, 05F088	W	SW8260B	Carbon Tetrachloride	105	104	71	132	1.0	20
REC670	VO67F27L/C	6/14/05	05F076, 05F088	W	SW8260B	Chlorobenzene	108	103	80	127	4.7	20
REC670	VO67F27L/C	6/14/05	05F076, 05F088	W	SW8260B	Chloroethane	119	112	72	129	6.1	20
REC670	VO67F27L/C	6/14/05	05F076, 05F088	W	SW8260B	Chloroform	107	106	74	127	0.9	20
REC670	VO67F27L/C	6/14/05	05F076, 05F088	W	SW8260B	Chloromethane	114	107	58	135	6.3	20
REC670	VO67F27L/C	6/14/05	05F076, 05F088	W	SW8260B	Cis-1,2-Dichloroethene	115	113	73	133	1.8	20
REC670	VO67F27L/C	6/14/05	05F076, 05F088	W	SW8260B	Cis-1,3-Dichloropropene	110	107	73	132	2.8	20
REC670	VO67F27L/C	6/14/05	05F076, 05F088	W	SW8260B	Dibromochloromethane	116	115	74	145	0.9	20
REC670	VO67F27L/C	6/14/05	05F076, 05F088	W	SW8260B	Dibromomethane	120	117	76	132	2.5	20
REC670	VO67F27L/C	6/14/05	05F076, 05F088	W	SW8260B	Dichlorodifluoromethane	99	95	59	134	4.1	20

Table D5-9: Summary of LCS/LCSD Recoveries and RPDs
Parcel 186(6), Training Area T-38
McClellan, Anniston, Alabama

Analytical Batch	Lab ID	Analysis Date	Delivery Group	Matrix	Method	Parameter Name	LCS %R	LCSD %R	LCL	UCL	RPD	RPD Limit
REC670	VO67F27L/C	6/14/05	05F076, 05F088	W	SW8260B	Ethylbenzene	106	104	79	120	1.9	20
REC670	VO67F27L/C	6/14/05	05F076, 05F088	W	SW8260B	Hexachlorobutadiene	104	104	78	133	0.0	20
REC670	VO67F27L/C	6/14/05	05F076, 05F088	W	SW8260B	Iodomethane	101	103	70	130	2.0	30
REC670	VO67F27L/C	6/14/05	05F076, 05F088	W	SW8260B	Isopropyl Benzene	110	113	77	126	2.7	20
REC670	VO67F27L/C	6/14/05	05F076, 05F088	W	SW8260B	M,P-Xylene	108	106	79	122	1.9	20
REC670	VO67F27L/C	6/14/05	05F076, 05F088	W	SW8260B	Methylene Chloride	111	108	69	118	2.7	20
REC670	VO67F27L/C	6/14/05	05F076, 05F088	W	SW8260B	MTBE	108	106	59	129	1.9	20
REC670	VO67F27L/C	6/14/05	05F076, 05F088	W	SW8260B	Naphthalene	93	93	65	149	0.0	20
REC670	VO67F27L/C	6/14/05	05F076, 05F088	W	SW8260B	N-Butylbenzene	103	102	78	126	1.0	20
REC670	VO67F27L/C	6/14/05	05F076, 05F088	W	SW8260B	N-Propylbenzene	100	101	75	127	1.0	20
REC670	VO67F27L/C	6/14/05	05F076, 05F088	W	SW8260B	O-Xylene	110	108	82	120	1.8	20
REC670	VO67F27L/C	6/14/05	05F076, 05F088	W	SW8260B	P-Isopropyltoluene	105	105	78	125	0.0	20
REC670	VO67F27L/C	6/14/05	05F076, 05F088	W	SW8260B	Sec-Butylbenzene	100	100	78	125	0.0	20
REC670	VO67F27L/C	6/14/05	05F076, 05F088	W	SW8260B	Styrene	108	106	76	130	1.9	20
REC670	VO67F27L/C	6/14/05	05F076, 05F088	W	SW8260B	Tert-Butylbenzene	101	101	76	125	0.0	20
REC670	VO67F27L/C	6/14/05	05F076, 05F088	W	SW8260B	Tetrachloroethylene	101	100	80	129	1.0	20
REC670	VO67F27L/C	6/14/05	05F076, 05F088	W	SW8260B	Toluene	107	105	80	125	1.9	20
REC670	VO67F27L/C	6/14/05	05F076, 05F088	W	SW8260B	Trans-1,2-Dichloroethene	110	110	78	134	0.0	20
REC670	VO67F27L/C	6/14/05	05F076, 05F088	W	SW8260B	Trans-1,3-Dichloropropene	122	116	74	131	5.0	20
REC670	VO67F27L/C	6/14/05	05F076, 05F088	W	SW8260B	Trans-1,4-Dichloro-2-Butene	109	109	50	150	0.0	30
REC670	VO67F27L/C	6/14/05	05F076, 05F088	W	SW8260B	Trichloroethene	106	103	67	128	2.9	20
REC670	VO67F27L/C	6/14/05	05F076, 05F088	W	SW8260B	Trichlorofluoromethane	116	109	68	133	6.2	20
REC670	VO67F27L/C	6/14/05	05F076, 05F088	W	SW8260B	Vinyl Acetate	102	101	36	176	1.0	20
REC670	VO67F27L/C	6/14/05	05F076, 05F088	W	SW8260B	Vinyl Chloride	121	114	73	134	6.0	20
REC670	VO67F29L/C	6/15/05	05F076, 05F088	W	SW8260B	1,1,1,2-Tetrachloroethane	108	105	70	130	2.8	30
REC670	VO67F29L/C	6/15/05	05F076, 05F088	W	SW8260B	1,1,1-Trichloroethane	103	102	70	127	1.0	20
REC670	VO67F29L/C	6/15/05	05F076, 05F088	W	SW8260B	1,1,2,2-Tetrachloroethane	108	111	68	129	2.7	20
REC670	VO67F29L/C	6/15/05	05F076, 05F088	W	SW8260B	1,1,2-Trichloro-1,2,2-Trifluoroethane	100	97	54	154	3.0	20
REC670	VO67F29L/C	6/15/05	05F076, 05F088	W	SW8260B	1,1,2-Trichloroethane	111	109	79	136	1.8	20
REC670	VO67F29L/C	6/15/05	05F076, 05F088	W	SW8260B	1,1-Dichloroethane	108	107	80	133	0.9	20
REC670	VO67F29L/C	6/15/05	05F076, 05F088	W	SW8260B	1,1-Dichloroethene	101	98	75	125	3.0	20
REC670	VO67F29L/C	6/15/05	05F076, 05F088	W	SW8260B	1,1-Dichloropropene	103	102	76	135	1.0	20
REC670	VO67F29L/C	6/15/05	05F076, 05F088	W	SW8260B	1,2,3-Trichlorobenzene	101	103	75	133	2.0	20
REC670	VO67F29L/C	6/15/05	05F076, 05F088	W	SW8260B	1,2,3-Trichloropropane	108	112	65	139	3.6	20

Table D5-9: Summary of LCS/LCSD Recoveries and RPDs
Parcel 186(6), Training Area T-38
McClellan, Anniston, Alabama

Analytical Batch	Lab ID	Analysis Date	Delivery Group	Matrix	Method	Parameter Name	LCS %R	LCSD %R	LCL	UCL	RPD	RPD Limit
REC670	VO67F29L/C	6/15/05	05F076, 05F088	W	SW8260B	1,2,4-Trichlorobenzene	95	97	80	130	2.1	20
REC670	VO67F29L/C	6/15/05	05F076, 05F088	W	SW8260B	1,2,4-Trimethylbenzene	94	94	76	123	0.0	20
REC670	VO67F29L/C	6/15/05	05F076, 05F088	W	SW8260B	1,2-Dibromo-3-Chloropropane	108	113	75	132	4.5	20
REC670	VO67F29L/C	6/15/05	05F076, 05F088	W	SW8260B	1,2-Dibromoethane	112	110	80	127	1.8	20
REC670	VO67F29L/C	6/15/05	05F076, 05F088	W	SW8260B	1,2-Dichlorobenzene	99	100	73	120	1.0	20
REC670	VO67F29L/C	6/15/05	05F076, 05F088	W	SW8260B	1,2-Dichloroethane	116	114	67	132	1.7	20
REC670	VO67F29L/C	6/15/05	05F076, 05F088	W	SW8260B	1,2-Dichloropropane	112	109	77	127	2.7	20
REC670	VO67F29L/C	6/15/05	05F076, 05F088	W	SW8260B	1,3,5-Trimethylbenzene	94	94	78	121	0.0	20
REC670	VO67F29L/C	6/15/05	05F076, 05F088	W	SW8260B	1,3-Dichlorobenzene	96	96	75	122	0.0	20
REC670	VO67F29L/C	6/15/05	05F076, 05F088	W	SW8260B	1,3-Dichloropropane	110	108	80	133	1.8	20
REC670	VO67F29L/C	6/15/05	05F076, 05F088	W	SW8260B	1,4-Dichlorobenzene	95	96	74	123	1.0	20
REC670	VO67F29L/C	6/15/05	05F076, 05F088	W	SW8260B	2,2-Dichloropropane	95	92	62	134	3.2	20
REC670	VO67F29L/C	6/15/05	05F076, 05F088	W	SW8260B	2-Butanone (MEK)	118	110	45	150	7.0	20
REC670	VO67F29L/C	6/15/05	05F076, 05F088	W	SW8260B	2-Chlorotoluene	97	97	45	150	0.0	20
REC670	VO67F29L/C	6/15/05	05F076, 05F088	W	SW8260B	2-Hexanone	121	119	79	121	1.7	20
REC670	VO67F29L/C	6/15/05	05F076, 05F088	W	SW8260B	4-Chlorotoluene	97	97	73	127	0.0	20
REC670	VO67F29L/C	6/15/05	05F076, 05F088	W	SW8260B	4-Methyl-2-Pentanone (MIBK)	123	120	59	150	2.5	20
REC670	VO67F29L/C	6/15/05	05F076, 05F088	W	SW8260B	Acetone	118	110	51	157	7.0	20
REC670	VO67F29L/C	6/15/05	05F076, 05F088	W	SW8260B	Acrylonitrile	119	119	50	150	0.0	30
REC670	VO67F29L/C	6/15/05	05F076, 05F088	W	SW8260B	Benzene	102	99	79	126	3.0	20
REC670	VO67F29L/C	6/15/05	05F076, 05F088	W	SW8260B	Bromobenzene	96	96	74	123	0.0	20
REC670	VO67F29L/C	6/15/05	05F076, 05F088	W	SW8260B	Bromochloromethane	114	114	78	127	0.0	20
REC670	VO67F29L/C	6/15/05	05F076, 05F088	W	SW8260B	Bromodichloromethane	109	106	70	130	2.8	20
REC670	VO67F29L/C	6/15/05	05F076, 05F088	W	SW8260B	Bromoform	108	109	72	136	0.9	20
REC670	VO67F29L/C	6/15/05	05F076, 05F088	W	SW8260B	Bromomethane	97	94	35	153	3.1	20
REC670	VO67F29L/C	6/15/05	05F076, 05F088	W	SW8260B	Carbon Disulfide	96	94	74	123	2.1	20
REC670	VO67F29L/C	6/15/05	05F076, 05F088	W	SW8260B	Carbon Tetrachloride	102	97	71	132	5.0	20
REC670	VO67F29L/C	6/15/05	05F076, 05F088	W	SW8260B	Chlorobenzene	102	99	80	127	3.0	20
REC670	VO67F29L/C	6/15/05	05F076, 05F088	W	SW8260B	Chloroethane	109	106	72	129	2.8	20
REC670	VO67F29L/C	6/15/05	05F076, 05F088	W	SW8260B	Chloroform	101	101	74	127	0.0	20
REC670	VO67F29L/C	6/15/05	05F076, 05F088	W	SW8260B	Chloromethane	102	98	58	135	4.0	20
REC670	VO67F29L/C	6/15/05	05F076, 05F088	W	SW8260B	Cis-1,2-Dichloroethene	111	108	73	133	2.7	20
REC670	VO67F29L/C	6/15/05	05F076, 05F088	W	SW8260B	Cis-1,3-Dichloropropene	109	106	73	132	2.8	20
REC670	VO67F29L/C	6/15/05	05F076, 05F088	W	SW8260B	Dibromochloromethane	114	112	74	145	1.8	20

Table D5-9: Summary of LCS/LCSD Recoveries and RPDs
Parcel 186(6), Training Area T-38
McClellan, Anniston, Alabama

Analytical Batch	Lab ID	Analysis Date	Delivery Group	Matrix	Method	Parameter Name	LCS %R	LCSD %R	LCL	UCL	RPD	RPD Limit
REC670	VO67F29L/C	6/15/05	05F076, 05F088	W	SW8260B	Dibromomethane	117	114	76	132	2.6	20
REC670	VO67F29L/C	6/15/05	05F076, 05F088	W	SW8260B	Dichlorodifluoromethane	89	85	59	134	4.6	20
REC670	VO67F29L/C	6/15/05	05F076, 05F088	W	SW8260B	Ethylbenzene	102	99	79	120	3.0	20
REC670	VO67F29L/C	6/15/05	05F076, 05F088	W	SW8260B	Hexachlorobutadiene	95	95	78	133	0.0	20
REC670	VO67F29L/C	6/15/05	05F076, 05F088	W	SW8260B	Iodomethane	104	102	70	130	1.9	30
REC670	VO67F29L/C	6/15/05	05F076, 05F088	W	SW8260B	Isopropyl Benzene	106	105	77	126	0.9	20
REC670	VO67F29L/C	6/15/05	05F076, 05F088	W	SW8260B	M,P-Xylene	103	102	79	122	1.0	20
REC670	VO67F29L/C	6/15/05	05F076, 05F088	W	SW8260B	Methylene Chloride	110	109	69	118	0.9	20
REC670	VO67F29L/C	6/15/05	05F076, 05F088	W	SW8260B	MTBE	106	105	59	129	0.9	20
REC670	VO67F29L/C	6/15/05	05F076, 05F088	W	SW8260B	Naphthalene	92	92	65	149	0.0	20
REC670	VO67F29L/C	6/15/05	05F076, 05F088	W	SW8260B	N-Butylbenzene	100	101	78	126	1.0	20
REC670	VO67F29L/C	6/15/05	05F076, 05F088	W	SW8260B	N-Propylbenzene	97	96	75	127	1.0	20
REC670	VO67F29L/C	6/15/05	05F076, 05F088	W	SW8260B	O-Xylene	106	102	82	120	3.8	20
REC670	VO67F29L/C	6/15/05	05F076, 05F088	W	SW8260B	P-Isopropyltoluene	100	101	78	125	1.0	20
REC670	VO67F29L/C	6/15/05	05F076, 05F088	W	SW8260B	Sec-Butylbenzene	96	94	78	125	2.1	20
REC670	VO67F29L/C	6/15/05	05F076, 05F088	W	SW8260B	Styrene	104	102	76	130	1.9	20
REC670	VO67F29L/C	6/15/05	05F076, 05F088	W	SW8260B	Tert-Butylbenzene	97	96	76	125	1.0	20
REC670	VO67F29L/C	6/15/05	05F076, 05F088	W	SW8260B	Tetrachloroethylene	96	93	80	129	3.2	20
REC670	VO67F29L/C	6/15/05	05F076, 05F088	W	SW8260B	Toluene	101	100	80	125	1.0	20
REC670	VO67F29L/C	6/15/05	05F076, 05F088	W	SW8260B	Trans-1,2-Dichloroethene	105	102	78	134	2.9	20
REC670	VO67F29L/C	6/15/05	05F076, 05F088	W	SW8260B	Trans-1,3-Dichloropropene	120	115	74	131	4.3	20
REC670	VO67F29L/C	6/15/05	05F076, 05F088	W	SW8260B	Trans-1,4-Dichloro-2-Butene	117	112	50	150	4.4	30
REC670	VO67F29L/C	6/15/05	05F076, 05F088	W	SW8260B	Trichloroethene	100	97	67	128	3.0	20
REC670	VO67F29L/C	6/15/05	05F076, 05F088	W	SW8260B	Trichlorofluoromethane	106	101	68	133	4.8	20
REC670	VO67F29L/C	6/15/05	05F076, 05F088	W	SW8260B	Vinyl Acetate	105	102	36	176	2.9	20
REC670	VO67F29L/C	6/15/05	05F076, 05F088	W	SW8260B	Vinyl Chloride	110	108	73	134	1.8	20
REC670	VO67F30L/C	6/15/05	05F107	W	SW8260B	1,1,1,2-Tetrachloroethane	110	105	70	130	4.7	30
REC670	VO67F30L/C	6/15/05	05F107	W	SW8260B	1,1,1-Trichloroethane	107	102	70	127	4.8	20
REC670	VO67F30L/C	6/15/05	05F107	W	SW8260B	1,1,2,2-Tetrachloroethane	114	104	68	129	9.2	20
REC670	VO67F30L/C	6/15/05	05F107	W	SW8260B	1,1,2-Trichloro-1,2,2-Trifluoroethane	104	98	54	154	5.9	20
REC670	VO67F30L/C	6/15/05	05F107	W	SW8260B	1,1,2-Trichloroethane	114	108	79	136	5.4	20
REC670	VO67F30L/C	6/15/05	05F107	W	SW8260B	1,1-Dichloroethane	111	106	80	133	4.6	20
REC670	VO67F30L/C	6/15/05	05F107	W	SW8260B	1,1-Dichloroethene	103	99	75	125	4.0	20
REC670	VO67F30L/C	6/15/05	05F107	W	SW8260B	1,1-Dichloropropene	107	102	76	135	4.8	20

Table D5-9: Summary of LCS/LCSD Recoveries and RPDs
Parcel 186(6), Training Area T-38
McClellan, Anniston, Alabama

Analytical Batch	Lab ID	Analysis Date	Delivery Group	Matrix	Method	Parameter Name	LCS %R	LCSD %R	LCL	UCL	RPD	RPD Limit
REC670	VO67F30L/C	6/15/05	05F107	W	SW8260B	1,2,3-Trichlorobenzene	113	103	75	133	9.3	20
REC670	VO67F30L/C	6/15/05	05F107	W	SW8260B	1,2,3-Trichloropropane	108	111	65	139	2.7	20
REC670	VO67F30L/C	6/15/05	05F107	W	SW8260B	1,2,4-Trichlorobenzene	107	99	80	130	7.8	20
REC670	VO67F30L/C	6/15/05	05F107	W	SW8260B	1,2,4-Trimethylbenzene	98	92	76	123	6.3	20
REC670	VO67F30L/C	6/15/05	05F107	W	SW8260B	1,2-Dibromo-3-Chloropropane	115	108	75	132	6.3	20
REC670	VO67F30L/C	6/15/05	05F107	W	SW8260B	1,2-Dibromoethane	113	109	80	127	3.6	20
REC670	VO67F30L/C	6/15/05	05F107	W	SW8260B	1,2-Dichlorobenzene	105	99	73	120	5.9	20
REC670	VO67F30L/C	6/15/05	05F107	W	SW8260B	1,2-Dichloroethane	119	112	67	132	6.1	20
REC670	VO67F30L/C	6/15/05	05F107	W	SW8260B	1,2-Dichloropropane	115	106	77	127	8.1	20
REC670	VO67F30L/C	6/15/05	05F107	W	SW8260B	1,3,5-Trimethylbenzene	97	91	78	121	6.4	20
REC670	VO67F30L/C	6/15/05	05F107	W	SW8260B	1,3-Dichlorobenzene	99	95	75	122	4.1	20
REC670	VO67F30L/C	6/15/05	05F107	W	SW8260B	1,3-Dichloropropane	111	107	80	133	3.7	20
REC670	VO67F30L/C	6/15/05	05F107	W	SW8260B	1,4-Dichlorobenzene	99	93	74	123	6.3	20
REC670	VO67F30L/C	6/15/05	05F107	W	SW8260B	2,2-Dichloropropane	110	103	62	134	6.6	20
REC670	VO67F30L/C	6/15/05	05F107	W	SW8260B	2-Butanone (MEK)	107	108	45	150	0.9	20
REC670	VO67F30L/C	6/15/05	05F107	W	SW8260B	2-Chlorotoluene	99	90	45	150	9.5	20
REC670	VO67F30L/C	6/15/05	05F107	W	SW8260B	2-Hexanone	113	113	79	121	0.0	20
REC670	VO67F30L/C	6/15/05	05F107	W	SW8260B	4-Chlorotoluene	101	98	73	127	3.0	20
REC670	VO67F30L/C	6/15/05	05F107	W	SW8260B	4-Methyl-2-Pentanone (MIBK)	119	111	59	150	7.0	20
REC670	VO67F30L/C	6/15/05	05F107	W	SW8260B	Acetone	113	119	51	157	5.2	20
REC670	VO67F30L/C	6/15/05	05F107	W	SW8260B	Acrylonitrile	116	118	50	150	1.7	30
REC670	VO67F30L/C	6/15/05	05F107	W	SW8260B	Benzene	104	98	79	126	5.9	20
REC670	VO67F30L/C	6/15/05	05F107	W	SW8260B	Bromobenzene	99	92	74	123	7.3	20
REC670	VO67F30L/C	6/15/05	05F107	W	SW8260B	Bromochloromethane	118	116	78	127	1.7	20
REC670	VO67F30L/C	6/15/05	05F107	W	SW8260B	Bromodichloromethane	113	107	70	130	5.5	20
REC670	VO67F30L/C	6/15/05	05F107	W	SW8260B	Bromoform	114	103	72	136	10.1	20
REC670	VO67F30L/C	6/15/05	05F107	W	SW8260B	Bromomethane	94	92	35	153	2.2	20
REC670	VO67F30L/C	6/15/05	05F107	W	SW8260B	Carbon Disulfide	97	94	74	123	3.1	20
REC670	VO67F30L/C	6/15/05	05F107	W	SW8260B	Carbon Tetrachloride	106	98	71	132	7.8	20
REC670	VO67F30L/C	6/15/05	05F107	W	SW8260B	Chlorobenzene	103	98	80	127	5.0	20
REC670	VO67F30L/C	6/15/05	05F107	W	SW8260B	Chloroethane	106	104	72	129	1.9	20
REC670	VO67F30L/C	6/15/05	05F107	W	SW8260B	Chloroform	106	101	74	127	4.8	20
REC670	VO67F30L/C	6/15/05	05F107	W	SW8260B	Chloromethane	100	100	58	135	0.0	20
REC670	VO67F30L/C	6/15/05	05F107	W	SW8260B	Cis-1,2-Dichloroethene	115	110	73	133	4.4	20

Table D5-9: Summary of LCS/LCSD Recoveries and RPDs
Parcel 186(6), Training Area T-38
McClellan, Anniston, Alabama

Analytical Batch	Lab ID	Analysis Date	Delivery Group	Matrix	Method	Parameter Name	LCS %R	LCSD %R	LCL	UCL	RPD	RPD Limit
REC670	VO67F30L/C	6/15/05	05F107	W	SW8260B	Cis-1,3-Dichloropropene	111	105	73	132	5.6	20
REC670	VO67F30L/C	6/15/05	05F107	W	SW8260B	Dibromochloromethane	117	110	74	145	6.2	20
REC670	VO67F30L/C	6/15/05	05F107	W	SW8260B	Dibromomethane	117	113	76	132	3.5	20
REC670	VO67F30L/C	6/15/05	05F107	W	SW8260B	Dichlorodifluoromethane	88	86	59	134	2.3	20
REC670	VO67F30L/C	6/15/05	05F107	W	SW8260B	Ethylbenzene	103	99	79	120	4.0	20
REC670	VO67F30L/C	6/15/05	05F107	W	SW8260B	Hexachlorobutadiene	106	99	78	133	6.8	20
REC670	VO67F30L/C	6/15/05	05F107	W	SW8260B	Iodomethane	97	99	70	130	2.0	30
REC670	VO67F30L/C	6/15/05	05F107	W	SW8260B	Isopropyl Benzene	109	100	77	126	8.6	20
REC670	VO67F30L/C	6/15/05	05F107	W	SW8260B	M,P-Xylene	105	100	79	122	4.9	20
REC670	VO67F30L/C	6/15/05	05F107	W	SW8260B	Methylene Chloride	107	107	69	118	0.0	20
REC670	VO67F30L/C	6/15/05	05F107	W	SW8260B	MTBE	109	106	59	129	2.8	20
REC670	VO67F30L/C	6/15/05	05F107	W	SW8260B	Naphthalene	97	91	65	149	6.4	20
REC670	VO67F30L/C	6/15/05	05F107	W	SW8260B	N-Butylbenzene	106	101	78	126	4.8	20
REC670	VO67F30L/C	6/15/05	05F107	W	SW8260B	N-Propylbenzene	98	93	75	127	5.2	20
REC670	VO67F30L/C	6/15/05	05F107	W	SW8260B	O-Xylene	105	102	82	120	2.9	20
REC670	VO67F30L/C	6/15/05	05F107	W	SW8260B	P-Isopropyltoluene	105	99	78	125	5.9	20
REC670	VO67F30L/C	6/15/05	05F107	W	SW8260B	Sec-Butylbenzene	99	93	78	125	6.3	20
REC670	VO67F30L/C	6/15/05	05F107	W	SW8260B	Styrene	105	102	76	130	2.9	20
REC670	VO67F30L/C	6/15/05	05F107	W	SW8260B	Tert-Butylbenzene	98	95	76	125	3.1	20
REC670	VO67F30L/C	6/15/05	05F107	W	SW8260B	Tetrachloroethylene	100	94	80	129	6.2	20
REC670	VO67F30L/C	6/15/05	05F107	W	SW8260B	Toluene	103	98	80	125	5.0	20
REC670	VO67F30L/C	6/15/05	05F107	W	SW8260B	Trans-1,2-Dichloroethene	107	102	78	134	4.8	20
REC670	VO67F30L/C	6/15/05	05F107	W	SW8260B	Trans-1,3-Dichloropropene	120	116	74	131	3.4	20
REC670	VO67F30L/C	6/15/05	05F107	W	SW8260B	Trans-1,4-Dichloro-2-Butene	120	114	50	150	5.1	30
REC670	VO67F30L/C	6/15/05	05F107	W	SW8260B	Trichloroethene	103	97	67	128	6.0	20
REC670	VO67F30L/C	6/15/05	05F107	W	SW8260B	Trichlorofluoromethane	106	103	68	133	2.9	20
REC670	VO67F30L/C	6/15/05	05F107	W	SW8260B	Vinyl Acetate	104	102	36	176	1.9	20
REC670	VO67F30L/C	6/15/05	05F107	W	SW8260B	Vinyl Chloride	109	106	73	134	2.8	20
REC670	VO67F33L/C	6/17/05	05F107, 05F117, 05F130	W	SW8260B	1,1,1,2-Tetrachloroethane	109	103	70	130	5.7	30
REC670	VO67F33L/C	6/17/05	05F107, 05F117, 05F130	W	SW8260B	1,1,1-Trichloroethane	101	99	70	127	2.0	20
REC670	VO67F33L/C	6/17/05	05F107, 05F117, 05F130	W	SW8260B	1,1,2,2-Tetrachloroethane	100	99	68	129	1.0	20
REC670	VO67F33L/C	6/17/05	05F107, 05F117, 05F130	W	SW8260B	1,1,2-Trichloro-1,2,2-Trifluoroethane	102	101	54	154	1.0	20
REC670	VO67F33L/C	6/17/05	05F107, 05F117, 05F130	W	SW8260B	1,1,2-Trichloroethane	111	104	79	136	6.5	20
REC670	VO67F33L/C	6/17/05	05F107, 05F117, 05F130	W	SW8260B	1,1-Dichloroethane	101	98	80	133	3.0	20

Table D5-9: Summary of LCS/LCSD Recoveries and RPDs
Parcel 186(6), Training Area T-38
McClellan, Anniston, Alabama

Analytical Batch	Lab ID	Analysis Date	Delivery Group	Matrix	Method	Parameter Name	LCS %R	LCSD %R	LCL	UCL	RPD	RPD Limit
REC670	VO67F33L/C	6/17/05	05F107, 05F117, 05F130	W	SW8260B	1,1-Dichloroethene	94	91	75	125	3.2	20
REC670	VO67F33L/C	6/17/05	05F107, 05F117, 05F130	W	SW8260B	1,1-Dichloropropene	101	98	76	135	3.0	20
REC670	VO67F33L/C	6/17/05	05F107, 05F117, 05F130	W	SW8260B	1,2,3-Trichlorobenzene	109	103	75	133	5.7	20
REC670	VO67F33L/C	6/17/05	05F107, 05F117, 05F130	W	SW8260B	1,2,3-Trichloropropane	99	105	65	139	5.9	20
REC670	VO67F33L/C	6/17/05	05F107, 05F117, 05F130	W	SW8260B	1,2,4-Trichlorobenzene	101	97	80	130	4.0	20
REC670	VO67F33L/C	6/17/05	05F107, 05F117, 05F130	W	SW8260B	1,2,4-Trimethylbenzene	92	91	76	123	1.1	20
REC670	VO67F33L/C	6/17/05	05F107, 05F117, 05F130	W	SW8260B	1,2-Dibromo-3-Chloropropane	111	111	75	132	0.0	20
REC670	VO67F33L/C	6/17/05	05F107, 05F117, 05F130	W	SW8260B	1,2-Dibromoethane	112	107	80	127	4.6	20
REC670	VO67F33L/C	6/17/05	05F107, 05F117, 05F130	W	SW8260B	1,2-Dichlorobenzene	100	99	73	120	1.0	20
REC670	VO67F33L/C	6/17/05	05F107, 05F117, 05F130	W	SW8260B	1,2-Dichloroethane	109	102	67	132	6.6	20
REC670	VO67F33L/C	6/17/05	05F107, 05F117, 05F130	W	SW8260B	1,2-Dichloropropane	105	101	77	127	3.9	20
REC670	VO67F33L/C	6/17/05	05F107, 05F117, 05F130	W	SW8260B	1,3,5-Trimethylbenzene	92	92	78	121	0.0	20
REC670	VO67F33L/C	6/17/05	05F107, 05F117, 05F130	W	SW8260B	1,3-Dichlorobenzene	96	95	75	122	1.0	20
REC670	VO67F33L/C	6/17/05	05F107, 05F117, 05F130	W	SW8260B	1,3-Dichloropropane	107	102	80	133	4.8	20
REC670	VO67F33L/C	6/17/05	05F107, 05F117, 05F130	W	SW8260B	1,4-Dichlorobenzene	95	92	74	123	3.2	20
REC670	VO67F33L/C	6/17/05	05F107, 05F117, 05F130	W	SW8260B	2,2-Dichloropropane	88	84	62	134	4.7	20
REC670	VO67F33L/C	6/17/05	05F107, 05F117, 05F130	W	SW8260B	2-Butanone (MEK)	100	92	45	150	8.3	20
REC670	VO67F33L/C	6/17/05	05F107, 05F117, 05F130	W	SW8260B	2-Chlorotoluene	90	93	45	150	3.3	20
REC670	VO67F33L/C	6/17/05	05F107, 05F117, 05F130	W	SW8260B	2-Hexanone	112	106	79	121	5.5	20
REC670	VO67F33L/C	6/17/05	05F107, 05F117, 05F130	W	SW8260B	4-Chlorotoluene	96	93	73	127	3.2	20
REC670	VO67F33L/C	6/17/05	05F107, 05F117, 05F130	W	SW8260B	4-Methyl-2-Pentanone (MIBK)	121	114	59	150	6.0	20
REC670	VO67F33L/C	6/17/05	05F107, 05F117, 05F130	W	SW8260B	Acetone	107	108	51	157	0.9	20
REC670	VO67F33L/C	6/17/05	05F107, 05F117, 05F130	W	SW8260B	Acrylonitrile	112	109	50	150	2.7	30
REC670	VO67F33L/C	6/17/05	05F107, 05F117, 05F130	W	SW8260B	Benzene	99	95	79	126	4.1	20
REC670	VO67F33L/C	6/17/05	05F107, 05F117, 05F130	W	SW8260B	Bromobenzene	95	94	74	123	1.1	20
REC670	VO67F33L/C	6/17/05	05F107, 05F117, 05F130	W	SW8260B	Bromochloromethane	107	104	78	127	2.8	20
REC670	VO67F33L/C	6/17/05	05F107, 05F117, 05F130	W	SW8260B	Bromodichloromethane	105	100	70	130	4.9	20
REC670	VO67F33L/C	6/17/05	05F107, 05F117, 05F130	W	SW8260B	Bromoform	109	106	72	136	2.8	20
REC670	VO67F33L/C	6/17/05	05F107, 05F117, 05F130	W	SW8260B	Bromomethane	89	87	35	153	2.3	20
REC670	VO67F33L/C	6/17/05	05F107, 05F117, 05F130	W	SW8260B	Carbon Disulfide	91	89	74	123	2.2	20
REC670	VO67F33L/C	6/17/05	05F107, 05F117, 05F130	W	SW8260B	Carbon Tetrachloride	103	98	71	132	5.0	20
REC670	VO67F33L/C	6/17/05	05F107, 05F117, 05F130	W	SW8260B	Chlorobenzene	103	99	80	127	4.0	20
REC670	VO67F33L/C	6/17/05	05F107, 05F117, 05F130	W	SW8260B	Chloroethane	99	99	72	129	0.0	20
REC670	VO67F33L/C	6/17/05	05F107, 05F117, 05F130	W	SW8260B	Chloroform	98	95	74	127	3.1	20

Table D5-9: Summary of LCS/LCSD Recoveries and RPDs
Parcel 186(6), Training Area T-38
McClellan, Anniston, Alabama

Analytical Batch	Lab ID	Analysis Date	Delivery Group	Matrix	Method	Parameter Name	LCS %R	LCSD %R	LCL	UCL	RPD	RPD Limit
REC670	VO67F33L/C	6/17/05	05F107, 05F117, 05F130	W	SW8260B	Chloromethane	94	92	58	135	2.2	20
REC670	VO67F33L/C	6/17/05	05F107, 05F117, 05F130	W	SW8260B	Cis-1,2-Dichloroethene	102	99	73	133	3.0	20
REC670	VO67F33L/C	6/17/05	05F107, 05F117, 05F130	W	SW8260B	Cis-1,3-Dichloropropene	104	99	73	132	4.9	20
REC670	VO67F33L/C	6/17/05	05F107, 05F117, 05F130	W	SW8260B	Dibromochloromethane	117	112	74	145	4.4	20
REC670	VO67F33L/C	6/17/05	05F107, 05F117, 05F130	W	SW8260B	Dibromomethane	115	108	76	132	6.3	20
REC670	VO67F33L/C	6/17/05	05F107, 05F117, 05F130	W	SW8260B	Dichlorodifluoromethane	83	81	59	134	2.4	20
REC670	VO67F33L/C	6/17/05	05F107, 05F117, 05F130	W	SW8260B	Ethylbenzene	102	97	79	120	5.0	20
REC670	VO67F33L/C	6/17/05	05F107, 05F117, 05F130	W	SW8260B	Hexachlorobutadiene	99	99	78	133	0.0	20
REC670	VO67F33L/C	6/17/05	05F107, 05F117, 05F130	W	SW8260B	Iodomethane	97	98	70	130	1.0	30
REC670	VO67F33L/C	6/17/05	05F107, 05F117, 05F130	W	SW8260B	Isopropyl Benzene	101	104	77	126	2.9	20
REC670	VO67F33L/C	6/17/05	05F107, 05F117, 05F130	W	SW8260B	M,P-Xylene	103	99	79	122	4.0	20
REC670	VO67F33L/C	6/17/05	05F107, 05F117, 05F130	W	SW8260B	Methylene Chloride	100	98	69	118	2.0	20
REC670	VO67F33L/C	6/17/05	05F107, 05F117, 05F130	W	SW8260B	MTBE	102	97	59	129	5.0	20
REC670	VO67F33L/C	6/17/05	05F107, 05F117, 05F130	W	SW8260B	Naphthalene	96	92	65	149	4.3	20
REC670	VO67F33L/C	6/17/05	05F107, 05F117, 05F130	W	SW8260B	N-Butylbenzene	97	94	78	126	3.1	20
REC670	VO67F33L/C	6/17/05	05F107, 05F117, 05F130	W	SW8260B	N-Propylbenzene	93	93	75	127	0.0	20
REC670	VO67F33L/C	6/17/05	05F107, 05F117, 05F130	W	SW8260B	O-Xylene	106	101	82	120	4.8	20
REC670	VO67F33L/C	6/17/05	05F107, 05F117, 05F130	W	SW8260B	P-Isopropyltoluene	100	99	78	125	1.0	20
REC670	VO67F33L/C	6/17/05	05F107, 05F117, 05F130	W	SW8260B	Sec-Butylbenzene	93	93	78	125	0.0	20
REC670	VO67F33L/C	6/17/05	05F107, 05F117, 05F130	W	SW8260B	Styrene	107	104	76	130	2.8	20
REC670	VO67F33L/C	6/17/05	05F107, 05F117, 05F130	W	SW8260B	Tert-Butylbenzene	97	97	76	125	0.0	20
REC670	VO67F33L/C	6/17/05	05F107, 05F117, 05F130	W	SW8260B	Tetrachloroethylene	98	95	80	129	3.1	20
REC670	VO67F33L/C	6/17/05	05F107, 05F117, 05F130	W	SW8260B	Toluene	102	98	80	125	4.0	20
REC670	VO67F33L/C	6/17/05	05F107, 05F117, 05F130	W	SW8260B	Trans-1,2-Dichloroethene	98	95	78	134	3.1	20
REC670	VO67F33L/C	6/17/05	05F107, 05F117, 05F130	W	SW8260B	Trans-1,3-Dichloropropene	114	108	74	131	5.4	20
REC670	VO67F33L/C	6/17/05	05F107, 05F117, 05F130	W	SW8260B	Trans-1,4-Dichloro-2-Butene	107	100	50	150	6.8	30
REC670	VO67F33L/C	6/17/05	05F107, 05F117, 05F130	W	SW8260B	Trichloroethene	101	97	67	128	4.0	20
REC670	VO67F33L/C	6/17/05	05F107, 05F117, 05F130	W	SW8260B	Trichlorofluoromethane	101	98	68	133	3.0	20
REC670	VO67F33L/C	6/17/05	05F107, 05F117, 05F130	W	SW8260B	Vinyl Acetate	88	87	36	176	1.1	20
REC670	VO67F33L/C	6/17/05	05F107, 05F117, 05F130	W	SW8260B	Vinyl Chloride	101	99	73	134	2.0	20
REC670	VO67F38L/C	6/18/05	05F134, 05F165	W	SW8260B	1,1,1,2-Tetrachloroethane	109	109	70	130	0.0	30
REC670	VO67F38L/C	6/18/05	05F134, 05F165	W	SW8260B	1,1,1-Trichloroethane	103	103	70	127	0.0	20
REC670	VO67F38L/C	6/18/05	05F134, 05F165	W	SW8260B	1,1,2,2-Tetrachloroethane	106	106	68	129	0.0	20
REC670	VO67F38L/C	6/18/05	05F134, 05F165	W	SW8260B	1,1,2-Trichloro-1,2,2-Trifluoroethane	105	108	54	154	2.8	20

Table D5-9: Summary of LCS/LCSD Recoveries and RPDs
Parcel 186(6), Training Area T-38
McClellan, Anniston, Alabama

Analytical Batch	Lab ID	Analysis Date	Delivery Group	Matrix	Method	Parameter Name	LCS %R	LCSD %R	LCL	UCL	RPD	RPD Limit
REC670	VO67F38L/C	6/18/05	05F134, 05F165	W	SW8260B	1,1,2-Trichloroethane	113	113	79	136	0.0	20
REC670	VO67F38L/C	6/18/05	05F134, 05F165	W	SW8260B	1,1-Dichloroethane	105	105	80	133	0.0	20
REC670	VO67F38L/C	6/18/05	05F134, 05F165	W	SW8260B	1,1-Dichloroethene	94	95	75	125	1.1	20
REC670	VO67F38L/C	6/18/05	05F134, 05F165	W	SW8260B	1,1-Dichloropropene	100	102	76	135	2.0	20
REC670	VO67F38L/C	6/18/05	05F134, 05F165	W	SW8260B	1,2,3-Trichlorobenzene	110	105	75	133	4.7	20
REC670	VO67F38L/C	6/18/05	05F134, 05F165	W	SW8260B	1,2,3-Trichloropropane	107	105	65	139	1.9	20
REC670	VO67F38L/C	6/18/05	05F134, 05F165	W	SW8260B	1,2,4-Trichlorobenzene	101	98	80	130	3.0	20
REC670	VO67F38L/C	6/18/05	05F134, 05F165	W	SW8260B	1,2,4-Trimethylbenzene	95	92	76	123	3.2	20
REC670	VO67F38L/C	6/18/05	05F134, 05F165	W	SW8260B	1,2-Dibromo-3-Chloropropane	117	120	75	132	2.5	20
REC670	VO67F38L/C	6/18/05	05F134, 05F165	W	SW8260B	1,2-Dibromoethane	115	115	80	127	0.0	20
REC670	VO67F38L/C	6/18/05	05F134, 05F165	W	SW8260B	1,2-Dichlorobenzene	104	104	73	120	0.0	20
REC670	VO67F38L/C	6/18/05	05F134, 05F165	W	SW8260B	1,2-Dichloroethane	109	110	67	132	0.9	20
REC670	VO67F38L/C	6/18/05	05F134, 05F165	W	SW8260B	1,2-Dichloropropane	106	105	77	127	0.9	20
REC670	VO67F38L/C	6/18/05	05F134, 05F165	W	SW8260B	1,3,5-Trimethylbenzene	94	95	78	121	1.1	20
REC670	VO67F38L/C	6/18/05	05F134, 05F165	W	SW8260B	1,3-Dichlorobenzene	100	98	75	122	2.0	20
REC670	VO67F38L/C	6/18/05	05F134, 05F165	W	SW8260B	1,3-Dichloropropane	109	109	80	133	0.0	20
REC670	VO67F38L/C	6/18/05	05F134, 05F165	W	SW8260B	1,4-Dichlorobenzene	98	96	74	123	2.1	20
REC670	VO67F38L/C	6/18/05	05F134, 05F165	W	SW8260B	2,2-Dichloropropane	95	95	62	134	0.0	20
REC670	VO67F38L/C	6/18/05	05F134, 05F165	W	SW8260B	2-Butanone (MEK)	100	106	45	150	5.8	20
REC670	VO67F38L/C	6/18/05	05F134, 05F165	W	SW8260B	2-Chlorotoluene	94	94	45	150	0.0	20
REC670	VO67F38L/C	6/18/05	05F134, 05F165	W	SW8260B	2-Hexanone	110	110	79	121	0.0	20
REC670	VO67F38L/C	6/18/05	05F134, 05F165	W	SW8260B	4-Chlorotoluene	100	99	73	127	1.0	20
REC670	VO67F38L/C	6/18/05	05F134, 05F165	W	SW8260B	4-Methyl-2-Pentanone (MIBK)	114	111	59	150	2.7	20
REC670	VO67F38L/C	6/18/05	05F134, 05F165	W	SW8260B	Acetone	112	113	51	157	0.9	20
REC670	VO67F38L/C	6/18/05	05F134, 05F165	W	SW8260B	Acrylonitrile	112	117	50	150	4.4	30
REC670	VO67F38L/C	6/18/05	05F134, 05F165	W	SW8260B	Benzene	99	99	79	126	0.0	20
REC670	VO67F38L/C	6/18/05	05F134, 05F165	W	SW8260B	Bromobenzene	100	99	74	123	1.0	20
REC670	VO67F38L/C	6/18/05	05F134, 05F165	W	SW8260B	Bromochloromethane	112	112	78	127	0.0	20
REC670	VO67F38L/C	6/18/05	05F134, 05F165	W	SW8260B	Bromodichloromethane	105	105	70	130	0.0	20
REC670	VO67F38L/C	6/18/05	05F134, 05F165	W	SW8260B	Bromoform	115	118	72	136	2.6	20
REC670	VO67F38L/C	6/18/05	05F134, 05F165	W	SW8260B	Bromomethane	92	95	35	153	3.2	20
REC670	VO67F38L/C	6/18/05	05F134, 05F165	W	SW8260B	Carbon Disulfide	89	90	74	123	1.1	20
REC670	VO67F38L/C	6/18/05	05F134, 05F165	W	SW8260B	Carbon Tetrachloride	101	102	71	132	1.0	20
REC670	VO67F38L/C	6/18/05	05F134, 05F165	W	SW8260B	Chlorobenzene	104	103	80	127	1.0	20

Table D5-9: Summary of LCS/LCSD Recoveries and RPDs
Parcel 186(6), Training Area T-38
McClellan, Anniston, Alabama

Analytical Batch	Lab ID	Analysis Date	Delivery Group	Matrix	Method	Parameter Name	LCS %R	LCSD %R	LCL	UCL	RPD	RPD Limit
REC670	VO67F38L/C	6/18/05	05F134, 05F165	W	SW8260B	Chloroethane	100	102	72	129	2.0	20
REC670	VO67F38L/C	6/18/05	05F134, 05F165	W	SW8260B	Chloroform	98	98	74	127	0.0	20
REC670	VO67F38L/C	6/18/05	05F134, 05F165	W	SW8260B	Chloromethane	94	94	58	135	0.0	20
REC670	VO67F38L/C	6/18/05	05F134, 05F165	W	SW8260B	Cis-1,2-Dichloroethene	105	104	73	133	1.0	20
REC670	VO67F38L/C	6/18/05	05F134, 05F165	W	SW8260B	Cis-1,3-Dichloropropene	105	105	73	132	0.0	20
REC670	VO67F38L/C	6/18/05	05F134, 05F165	W	SW8260B	Dibromochloromethane	118	118	74	145	0.0	20
REC670	VO67F38L/C	6/18/05	05F134, 05F165	W	SW8260B	Dibromomethane	114	116	76	132	1.7	20
REC670	VO67F38L/C	6/18/05	05F134, 05F165	W	SW8260B	Dichlorodifluoromethane	82	83	59	134	1.2	20
REC670	VO67F38L/C	6/18/05	05F134, 05F165	W	SW8260B	Ethylbenzene	101	100	79	120	1.0	20
REC670	VO67F38L/C	6/18/05	05F134, 05F165	W	SW8260B	Hexachlorobutadiene	99	95	78	133	4.1	20
REC670	VO67F38L/C	6/18/05	05F134, 05F165	W	SW8260B	Iodomethane	96	98	70	130	2.1	30
REC670	VO67F38L/C	6/18/05	05F134, 05F165	W	SW8260B	Isopropyl Benzene	107	109	77	126	1.9	20
REC670	VO67F38L/C	6/18/05	05F134, 05F165	W	SW8260B	M,P-Xylene	103	101	79	122	2.0	20
REC670	VO67F38L/C	6/18/05	05F134, 05F165	W	SW8260B	Methylene Chloride	109	111	69	118	1.8	20
REC670	VO67F38L/C	6/18/05	05F134, 05F165	W	SW8260B	MTBE	105	106	59	129	0.9	20
REC670	VO67F38L/C	6/18/05	05F134, 05F165	W	SW8260B	Naphthalene	96	94	65	149	2.1	20
REC670	VO67F38L/C	6/18/05	05F134, 05F165	W	SW8260B	N-Butylbenzene	95	91	78	126	4.3	20
REC670	VO67F38L/C	6/18/05	05F134, 05F165	W	SW8260B	N-Propylbenzene	94	95	75	127	1.1	20
REC670	VO67F38L/C	6/18/05	05F134, 05F165	W	SW8260B	O-Xylene	105	104	82	120	1.0	20
REC670	VO67F38L/C	6/18/05	05F134, 05F165	W	SW8260B	P-Isopropyltoluene	101	99	78	125	2.0	20
REC670	VO67F38L/C	6/18/05	05F134, 05F165	W	SW8260B	Sec-Butylbenzene	95	94	78	125	1.1	20
REC670	VO67F38L/C	6/18/05	05F134, 05F165	W	SW8260B	Styrene	105	104	76	130	1.0	20
REC670	VO67F38L/C	6/18/05	05F134, 05F165	W	SW8260B	Tert-Butylbenzene	100	100	76	125	0.0	20
REC670	VO67F38L/C	6/18/05	05F134, 05F165	W	SW8260B	Tetrachloroethylene	98	98	80	129	0.0	20
REC670	VO67F38L/C	6/18/05	05F134, 05F165	W	SW8260B	Toluene	101	102	80	125	1.0	20
REC670	VO67F38L/C	6/18/05	05F134, 05F165	W	SW8260B	Trans-1,2-Dichloroethene	98	97	78	134	1.0	20
REC670	VO67F38L/C	6/18/05	05F134, 05F165	W	SW8260B	Trans-1,3-Dichloropropene	115	115	74	131	0.0	20
REC670	VO67F38L/C	6/18/05	05F134, 05F165	W	SW8260B	Trans-1,4-Dichloro-2-Butene	113	114	50	150	0.9	30
REC670	VO67F38L/C	6/18/05	05F134, 05F165	W	SW8260B	Trichloroethene	98	101	67	128	3.0	20
REC670	VO67F38L/C	6/18/05	05F134, 05F165	W	SW8260B	Trichlorofluoromethane	101	103	68	133	2.0	20
REC670	VO67F38L/C	6/18/05	05F134, 05F165	W	SW8260B	Vinyl Acetate	100	101	36	176	1.0	20
REC670	VO67F38L/C	6/18/05	05F134, 05F165	W	SW8260B	Vinyl Chloride	98	102	73	134	4.0	20
REC670	VO67F43L/C	6/20/05	05F134, 05F165	W	SW8260B	1,1,1,2-Tetrachloroethane	104	105	70	130	1.0	30
REC670	VO67F43L/C	6/20/05	05F134, 05F165	W	SW8260B	1,1,1-Trichloroethane	99	98	70	127	1.0	20

Table D5-9: Summary of LCS/LCSD Recoveries and RPDs
Parcel 186(6), Training Area T-38
McClellan, Anniston, Alabama

Analytical Batch	Lab ID	Analysis Date	Delivery Group	Matrix	Method	Parameter Name	LCS %R	LCSD %R	LCL	UCL	RPD	RPD Limit
REC670	VO67F43L/C	6/20/05	05F134, 05F165	W	SW8260B	1,1,2,2-Tetrachloroethane	105	105	68	129	0.0	20
REC670	VO67F43L/C	6/20/05	05F134, 05F165	W	SW8260B	1,1,2-Trichloro-1,2,2-Trifluoroethane	99	98	54	154	1.0	20
REC670	VO67F43L/C	6/20/05	05F134, 05F165	W	SW8260B	1,1,2-Trichloroethane	111	108	79	136	2.7	20
REC670	VO67F43L/C	6/20/05	05F134, 05F165	W	SW8260B	1,1-Dichloroethane	98	98	80	133	0.0	20
REC670	VO67F43L/C	6/20/05	05F134, 05F165	W	SW8260B	1,1-Dichloroethene	90	89	75	125	1.1	20
REC670	VO67F43L/C	6/20/05	05F134, 05F165	W	SW8260B	1,1-Dichloropropene	98	96	76	135	2.1	20
REC670	VO67F43L/C	6/20/05	05F134, 05F165	W	SW8260B	1,2,3-Trichlorobenzene	111	113	75	133	1.8	20
REC670	VO67F43L/C	6/20/05	05F134, 05F165	W	SW8260B	1,2,3-Trichloropropane	107	108	65	139	0.9	20
REC670	VO67F43L/C	6/20/05	05F134, 05F165	W	SW8260B	1,2,4-Trichlorobenzene	106	107	80	130	0.9	20
REC670	VO67F43L/C	6/20/05	05F134, 05F165	W	SW8260B	1,2,4-Trimethylbenzene	100	99	76	123	1.0	20
REC670	VO67F43L/C	6/20/05	05F134, 05F165	W	SW8260B	1,2-Dibromo-3-Chloropropane	116	113	75	132	2.6	20
REC670	VO67F43L/C	6/20/05	05F134, 05F165	W	SW8260B	1,2-Dibromoethane	111	110	80	127	0.9	20
REC670	VO67F43L/C	6/20/05	05F134, 05F165	W	SW8260B	1,2-Dichlorobenzene	102	101	73	120	1.0	20
REC670	VO67F43L/C	6/20/05	05F134, 05F165	W	SW8260B	1,2-Dichloroethane	111	103	67	132	7.5	20
REC670	VO67F43L/C	6/20/05	05F134, 05F165	W	SW8260B	1,2-Dichloropropane	104	102	77	127	1.9	20
REC670	VO67F43L/C	6/20/05	05F134, 05F165	W	SW8260B	1,3,5-Trimethylbenzene	98	98	78	121	0.0	20
REC670	VO67F43L/C	6/20/05	05F134, 05F165	W	SW8260B	1,3-Dichlorobenzene	98	99	75	122	1.0	20
REC670	VO67F43L/C	6/20/05	05F134, 05F165	W	SW8260B	1,3-Dichloropropane	108	104	80	133	3.8	20
REC670	VO67F43L/C	6/20/05	05F134, 05F165	W	SW8260B	1,4-Dichlorobenzene	98	98	74	123	0.0	20
REC670	VO67F43L/C	6/20/05	05F134, 05F165	W	SW8260B	2,2-Dichloropropane	102	102	62	134	0.0	20
REC670	VO67F43L/C	6/20/05	05F134, 05F165	W	SW8260B	2-Butanone (MEK)	103	102	45	150	1.0	20
REC670	VO67F43L/C	6/20/05	05F134, 05F165	W	SW8260B	2-Chlorotoluene	98	96	45	150	2.1	20
REC670	VO67F43L/C	6/20/05	05F134, 05F165	W	SW8260B	2-Hexanone	112	114	79	121	1.8	20
REC670	VO67F43L/C	6/20/05	05F134, 05F165	W	SW8260B	4-Chlorotoluene	98	100	73	127	2.0	20
REC670	VO67F43L/C	6/20/05	05F134, 05F165	W	SW8260B	4-Methyl-2-Pentanone (MIBK)	115	115	59	150	0.0	20
REC670	VO67F43L/C	6/20/05	05F134, 05F165	W	SW8260B	Acetone	108	103	51	157	4.7	20
REC670	VO67F43L/C	6/20/05	05F134, 05F165	W	SW8260B	Acrylonitrile	111	111	50	150	0.0	30
REC670	VO67F43L/C	6/20/05	05F134, 05F165	W	SW8260B	Benzene	97	96	79	126	1.0	20
REC670	VO67F43L/C	6/20/05	05F134, 05F165	W	SW8260B	Bromobenzene	98	98	74	123	0.0	20
REC670	VO67F43L/C	6/20/05	05F134, 05F165	W	SW8260B	Bromochloromethane	105	103	78	127	1.9	20
REC670	VO67F43L/C	6/20/05	05F134, 05F165	W	SW8260B	Bromodichloromethane	101	99	70	130	2.0	20
REC670	VO67F43L/C	6/20/05	05F134, 05F165	W	SW8260B	Bromoform	113	111	72	136	1.8	20
REC670	VO67F43L/C	6/20/05	05F134, 05F165	W	SW8260B	Bromomethane	92	88	35	153	4.4	20
REC670	VO67F43L/C	6/20/05	05F134, 05F165	W	SW8260B	Carbon Disulfide	85	86	74	123	1.2	20

Table D5-9: Summary of LCS/LCSD Recoveries and RPDs
Parcel 186(6), Training Area T-38
McClellan, Anniston, Alabama

Analytical Batch	Lab ID	Analysis Date	Delivery Group	Matrix	Method	Parameter Name	LCS %R	LCSD %R	LCL	UCL	RPD	RPD Limit
REC670	VO67F43L/C	6/20/05	05F134, 05F165	W	SW8260B	Carbon Tetrachloride	98	97	71	132	1.0	20
REC670	VO67F43L/C	6/20/05	05F134, 05F165	W	SW8260B	Chlorobenzene	100	99	80	127	1.0	20
REC670	VO67F43L/C	6/20/05	05F134, 05F165	W	SW8260B	Chloroethane	101	98	72	129	3.0	20
REC670	VO67F43L/C	6/20/05	05F134, 05F165	W	SW8260B	Chloroform	94	94	74	127	0.0	20
REC670	VO67F43L/C	6/20/05	05F134, 05F165	W	SW8260B	Chloromethane	88	85	58	135	3.5	20
REC670	VO67F43L/C	6/20/05	05F134, 05F165	W	SW8260B	Cis-1,2-Dichloroethene	102	102	73	133	0.0	20
REC670	VO67F43L/C	6/20/05	05F134, 05F165	W	SW8260B	Cis-1,3-Dichloropropene	109	107	73	132	1.9	20
REC670	VO67F43L/C	6/20/05	05F134, 05F165	W	SW8260B	Dibromochloromethane	113	110	74	145	2.7	20
REC670	VO67F43L/C	6/20/05	05F134, 05F165	W	SW8260B	Dibromomethane	107	105	76	132	1.9	20
REC670	VO67F43L/C	6/20/05	05F134, 05F165	W	SW8260B	Dichlorodifluoromethane	75	73	59	134	2.7	20
REC670	VO67F43L/C	6/20/05	05F134, 05F165	W	SW8260B	Ethylbenzene	99	98	79	120	1.0	20
REC670	VO67F43L/C	6/20/05	05F134, 05F165	W	SW8260B	Hexachlorobutadiene	99	101	78	133	2.0	20
REC670	VO67F43L/C	6/20/05	05F134, 05F165	W	SW8260B	Iodomethane	97	96	70	130	1.0	30
REC670	VO67F43L/C	6/20/05	05F134, 05F165	W	SW8260B	Isopropyl Benzene	108	109	77	126	0.9	20
REC670	VO67F43L/C	6/20/05	05F134, 05F165	W	SW8260B	M,P-Xylene	102	101	79	122	1.0	20
REC670	VO67F43L/C	6/20/05	05F134, 05F165	W	SW8260B	Methylene Chloride	98	97	69	118	1.0	20
REC670	VO67F43L/C	6/20/05	05F134, 05F165	W	SW8260B	MTBE	105	104	59	129	1.0	20
REC670	VO67F43L/C	6/20/05	05F134, 05F165	W	SW8260B	Naphthalene	110	108	65	149	1.8	20
REC670	VO67F43L/C	6/20/05	05F134, 05F165	W	SW8260B	N-Butylbenzene	106	106	78	126	0.0	20
REC670	VO67F43L/C	6/20/05	05F134, 05F165	W	SW8260B	N-Propylbenzene	98	98	75	127	0.0	20
REC670	VO67F43L/C	6/20/05	05F134, 05F165	W	SW8260B	O-Xylene	103	103	82	120	0.0	20
REC670	VO67F43L/C	6/20/05	05F134, 05F165	W	SW8260B	P-Isopropyltoluene	105	106	78	125	0.9	20
REC670	VO67F43L/C	6/20/05	05F134, 05F165	W	SW8260B	Sec-Butylbenzene	98	98	78	125	0.0	20
REC670	VO67F43L/C	6/20/05	05F134, 05F165	W	SW8260B	Styrene	106	105	76	130	0.9	20
REC670	VO67F43L/C	6/20/05	05F134, 05F165	W	SW8260B	Tert-Butylbenzene	100	99	76	125	1.0	20
REC670	VO67F43L/C	6/20/05	05F134, 05F165	W	SW8260B	Tetrachloroethylene	96	95	80	129	1.0	20
REC670	VO67F43L/C	6/20/05	05F134, 05F165	W	SW8260B	Toluene	101	99	80	125	2.0	20
REC670	VO67F43L/C	6/20/05	05F134, 05F165	W	SW8260B	Trans-1,2-Dichloroethene	95	95	78	134	0.0	20
REC670	VO67F43L/C	6/20/05	05F134, 05F165	W	SW8260B	Trans-1,3-Dichloropropene	119	117	74	131	1.7	20
REC670	VO67F43L/C	6/20/05	05F134, 05F165	W	SW8260B	Trans-1,4-Dichloro-2-Butene	128	126	50	150	1.6	30
REC670	VO67F43L/C	6/20/05	05F134, 05F165	W	SW8260B	Trichloroethene	95	94	67	128	1.1	20
REC670	VO67F43L/C	6/20/05	05F134, 05F165	W	SW8260B	Trichlorofluoromethane	99	95	68	133	4.1	20
REC670	VO67F43L/C	6/20/05	05F134, 05F165	W	SW8260B	Vinyl Acetate	102	99	36	176	3.0	20
REC670	VO67F43L/C	6/20/05	05F134, 05F165	W	SW8260B	Vinyl Chloride	97	93	73	134	4.2	20

Table D5-9: Summary of LCS/LCSD Recoveries and RPDs
Parcel 186(6), Training Area T-38
McClellan, Anniston, Alabama

Analytical Batch	Lab ID	Analysis Date	Delivery Group	Matrix	Method	Parameter Name	LCS %R	LCSD %R	LCL	UCL	RPD	RPD Limit
REC670	VO67F45L/C	6/21/05	05F165	W	SW8260B	1,1,1,2-Tetrachloroethane	105	103	70	130	1.9	30
REC670	VO67F45L/C	6/21/05	05F165	W	SW8260B	1,1,1-Trichloroethane	96	94	70	127	2.1	20
REC670	VO67F45L/C	6/21/05	05F165	W	SW8260B	1,1,2,2-Tetrachloroethane	103	102	68	129	1.0	20
REC670	VO67F45L/C	6/21/05	05F165	W	SW8260B	1,1,2-Trichloro-1,2,2-Trifluoroethane	98	97	54	154	1.0	20
REC670	VO67F45L/C	6/21/05	05F165	W	SW8260B	1,1,2-Trichloroethane	110	108	79	136	1.8	20
REC670	VO67F45L/C	6/21/05	05F165	W	SW8260B	1,1-Dichloroethane	98	95	80	133	3.1	20
REC670	VO67F45L/C	6/21/05	05F165	W	SW8260B	1,1-Dichloroethene	88	85	75	125	3.5	20
REC670	VO67F45L/C	6/21/05	05F165	W	SW8260B	1,1-Dichloropropene	97	92	76	135	5.3	20
REC670	VO67F45L/C	6/21/05	05F165	W	SW8260B	1,2,3-Trichlorobenzene	113	108	75	133	4.5	20
REC670	VO67F45L/C	6/21/05	05F165	W	SW8260B	1,2,3-Trichloropropane	99	106	65	139	6.8	20
REC670	VO67F45L/C	6/21/05	05F165	W	SW8260B	1,2,4-Trichlorobenzene	106	102	80	130	3.8	20
REC670	VO67F45L/C	6/21/05	05F165	W	SW8260B	1,2,4-Trimethylbenzene	97	93	76	123	4.2	20
REC670	VO67F45L/C	6/21/05	05F165	W	SW8260B	1,2-Dibromo-3-Chloropropane	116	113	75	132	2.6	20
REC670	VO67F45L/C	6/21/05	05F165	W	SW8260B	1,2-Dibromoethane	111	109	80	127	1.8	20
REC670	VO67F45L/C	6/21/05	05F165	W	SW8260B	1,2-Dichlorobenzene	102	98	73	120	4.0	20
REC670	VO67F45L/C	6/21/05	05F165	W	SW8260B	1,2-Dichloroethane	103	102	67	132	1.0	20
REC670	VO67F45L/C	6/21/05	05F165	W	SW8260B	1,2-Dichloropropane	101	98	77	127	3.0	20
REC670	VO67F45L/C	6/21/05	05F165	W	SW8260B	1,3,5-Trimethylbenzene	96	92	78	121	4.3	20
REC670	VO67F45L/C	6/21/05	05F165	W	SW8260B	1,3-Dichlorobenzene	97	95	75	122	2.1	20
REC670	VO67F45L/C	6/21/05	05F165	W	SW8260B	1,3-Dichloropropane	107	105	80	133	1.9	20
REC670	VO67F45L/C	6/21/05	05F165	W	SW8260B	1,4-Dichlorobenzene	97	94	74	123	3.1	20
REC670	VO67F45L/C	6/21/05	05F165	W	SW8260B	2,2-Dichloropropane	86	83	62	134	3.6	20
REC670	VO67F45L/C	6/21/05	05F165	W	SW8260B	2-Butanone (MEK)	102	107	45	150	4.8	20
REC670	VO67F45L/C	6/21/05	05F165	W	SW8260B	2-Chlorotoluene	91	87	45	150	4.5	20
REC670	VO67F45L/C	6/21/05	05F165	W	SW8260B	2-Hexanone	111	115	79	121	3.5	20
REC670	VO67F45L/C	6/21/05	05F165	W	SW8260B	4-Chlorotoluene	100	97	73	127	3.0	20
REC670	VO67F45L/C	6/21/05	05F165	W	SW8260B	4-Methyl-2-Pentanone (MIBK)	105	111	59	150	5.6	20
REC670	VO67F45L/C	6/21/05	05F165	W	SW8260B	Acetone	107	108	51	157	0.9	20
REC670	VO67F45L/C	6/21/05	05F165	W	SW8260B	Acrylonitrile	107	113	50	150	5.5	30
REC670	VO67F45L/C	6/21/05	05F165	W	SW8260B	Benzene	95	91	79	126	4.3	20
REC670	VO67F45L/C	6/21/05	05F165	W	SW8260B	Bromobenzene	96	94	74	123	2.1	20
REC670	VO67F45L/C	6/21/05	05F165	W	SW8260B	Bromochloromethane	103	101	78	127	2.0	20
REC670	VO67F45L/C	6/21/05	05F165	W	SW8260B	Bromodichloromethane	99	97	70	130	2.0	20
REC670	VO67F45L/C	6/21/05	05F165	W	SW8260B	Bromoform	109	109	72	136	0.0	20

Table D5-9: Summary of LCS/LCSD Recoveries and RPDs
Parcel 186(6), Training Area T-38
McClellan, Anniston, Alabama

Analytical Batch	Lab ID	Analysis Date	Delivery Group	Matrix	Method	Parameter Name	LCS %R	LCSD %R	LCL	UCL	RPD	RPD Limit
REC670	VO67F45L/C	6/21/05	05F165	W	SW8260B	Bromomethane	80	79	35	153	1.3	20
REC670	VO67F45L/C	6/21/05	05F165	W	SW8260B	Carbon Disulfide	85	84	74	123	1.2	20
REC670	VO67F45L/C	6/21/05	05F165	W	SW8260B	Carbon Tetrachloride	95	91	71	132	4.3	20
REC670	VO67F45L/C	6/21/05	05F165	W	SW8260B	Chlorobenzene	100	98	80	127	2.0	20
REC670	VO67F45L/C	6/21/05	05F165	W	SW8260B	Chloroethane	97	94	72	129	3.1	20
REC670	VO67F45L/C	6/21/05	05F165	W	SW8260B	Chloroform	93	91	74	127	2.2	20
REC670	VO67F45L/C	6/21/05	05F165	W	SW8260B	Chloromethane	85	81	58	135	4.8	20
REC670	VO67F45L/C	6/21/05	05F165	W	SW8260B	Cis-1,2-Dichloroethene	98	96	73	133	2.1	20
REC670	VO67F45L/C	6/21/05	05F165	W	SW8260B	Cis-1,3-Dichloropropene	102	99	73	132	3.0	20
REC670	VO67F45L/C	6/21/05	05F165	W	SW8260B	Dibromochloromethane	111	110	74	145	0.9	20
REC670	VO67F45L/C	6/21/05	05F165	W	SW8260B	Dibromomethane	103	103	76	132	0.0	20
REC670	VO67F45L/C	6/21/05	05F165	W	SW8260B	Dichlorodifluoromethane	75	73	59	134	2.7	20
REC670	VO67F45L/C	6/21/05	05F165	W	SW8260B	Ethylbenzene	99	96	79	120	3.1	20
REC670	VO67F45L/C	6/21/05	05F165	W	SW8260B	Hexachlorobutadiene	96	92	78	133	4.3	20
REC670	VO67F45L/C	6/21/05	05F165	W	SW8260B	Iodomethane	96	93	70	130	3.2	30
REC670	VO67F45L/C	6/21/05	05F165	W	SW8260B	Isopropyl Benzene	107	104	77	126	2.8	20
REC670	VO67F45L/C	6/21/05	05F165	W	SW8260B	M,P-Xylene	100	97	79	122	3.0	20
REC670	VO67F45L/C	6/21/05	05F165	W	SW8260B	Methylene Chloride	95	94	69	118	1.1	20
REC670	VO67F45L/C	6/21/05	05F165	W	SW8260B	MTBE	100	99	59	129	1.0	20
REC670	VO67F45L/C	6/21/05	05F165	W	SW8260B	Naphthalene	105	101	65	149	3.9	20
REC670	VO67F45L/C	6/21/05	05F165	W	SW8260B	N-Butylbenzene	105	100	78	126	4.9	20
REC670	VO67F45L/C	6/21/05	05F165	W	SW8260B	N-Propylbenzene	95	92	75	127	3.2	20
REC670	VO67F45L/C	6/21/05	05F165	W	SW8260B	O-Xylene	102	99	82	120	3.0	20
REC670	VO67F45L/C	6/21/05	05F165	W	SW8260B	P-Isopropyltoluene	104	100	78	125	3.9	20
REC670	VO67F45L/C	6/21/05	05F165	W	SW8260B	Sec-Butylbenzene	95	91	78	125	4.3	20
REC670	VO67F45L/C	6/21/05	05F165	W	SW8260B	Styrene	105	102	76	130	2.9	20
REC670	VO67F45L/C	6/21/05	05F165	W	SW8260B	Tert-Butylbenzene	98	94	76	125	4.2	20
REC670	VO67F45L/C	6/21/05	05F165	W	SW8260B	Tetrachloroethylene	95	92	80	129	3.2	20
REC670	VO67F45L/C	6/21/05	05F165	W	SW8260B	Toluene	98	96	80	125	2.1	20
REC670	VO67F45L/C	6/21/05	05F165	W	SW8260B	Trans-1,2-Dichloroethene	93	91	78	134	2.2	20
REC670	VO67F45L/C	6/21/05	05F165	W	SW8260B	Trans-1,3-Dichloropropene	112	110	74	131	1.8	20
REC670	VO67F45L/C	6/21/05	05F165	W	SW8260B	Trans-1,4-Dichloro-2-Butene	89	91	50	150	2.2	30
REC670	VO67F45L/C	6/21/05	05F165	W	SW8260B	Trichloroethene	94	90	67	128	4.3	20
REC670	VO67F45L/C	6/21/05	05F165	W	SW8260B	Trichlorofluoromethane	98	97	68	133	1.0	20

Table D5-9: Summary of LCS/LCSD Recoveries and RPDs
Parcel 186(6), Training Area T-38
McClellan, Anniston, Alabama

Analytical Batch	Lab ID	Analysis Date	Delivery Group	Matrix	Method	Parameter Name	LCS %R	LCSD %R	LCL	UCL	RPD	RPD Limit
REC670	VO67F45L/C	6/21/05	05F165	W	SW8260B	Vinyl Acetate	104	101	36	176	2.9	20
REC670	VO67F45L/C	6/21/05	05F165	W	SW8260B	Vinyl Chloride	92	91	73	134	1.1	20
REC670	VO67F63L/C	6/28/05	05F177	W	SW8260B	1,1,1,2-Tetrachloroethane	108	109	70	130	0.9	30
REC670	VO67F63L/C	6/28/05	05F177	W	SW8260B	1,1,1-Trichloroethane	100	100	70	127	0.0	20
REC670	VO67F63L/C	6/28/05	05F177	W	SW8260B	1,1,2,2-Tetrachloroethane	98	102	68	129	4.0	20
REC670	VO67F63L/C	6/28/05	05F177	W	SW8260B	1,1,2-Trichloro-1,2,2-Trifluoroethane	101	103	54	154	2.0	20
REC670	VO67F63L/C	6/28/05	05F177	W	SW8260B	1,1,2-Trichloroethane	107	108	79	136	0.9	20
REC670	VO67F63L/C	6/28/05	05F177	W	SW8260B	1,1-Dichloroethane	97	99	80	133	2.0	20
REC670	VO67F63L/C	6/28/05	05F177	W	SW8260B	1,1-Dichloroethene	90	87	75	125	3.4	20
REC670	VO67F63L/C	6/28/05	05F177	W	SW8260B	1,1-Dichloropropene	95	97	76	135	2.1	20
REC670	VO67F63L/C	6/28/05	05F177	W	SW8260B	1,2,3-Trichlorobenzene	105	119	75	133	12.5	20
REC670	VO67F63L/C	6/28/05	05F177	W	SW8260B	1,2,3-Trichloropropane	98	103	65	139	5.0	20
REC670	VO67F63L/C	6/28/05	05F177	W	SW8260B	1,2,4-Trichlorobenzene	105	116	80	130	10.0	20
REC670	VO67F63L/C	6/28/05	05F177	W	SW8260B	1,2,4-Trimethylbenzene	105	106	76	123	0.9	20
REC670	VO67F63L/C	6/28/05	05F177	W	SW8260B	1,2-Dibromo-3-Chloropropane	109	109	75	132	0.0	20
REC670	VO67F63L/C	6/28/05	05F177	W	SW8260B	1,2-Dibromoethane	106	107	80	127	0.9	20
REC670	VO67F63L/C	6/28/05	05F177	W	SW8260B	1,2-Dichlorobenzene	104	107	73	120	2.8	20
REC670	VO67F63L/C	6/28/05	05F177	W	SW8260B	1,2-Dichloroethane	99	101	67	132	2.0	20
REC670	VO67F63L/C	6/28/05	05F177	W	SW8260B	1,2-Dichloropropane	101	105	77	127	3.9	20
REC670	VO67F63L/C	6/28/05	05F177	W	SW8260B	1,3,5-Trimethylbenzene	103	104	78	121	1.0	20
REC670	VO67F63L/C	6/28/05	05F177	W	SW8260B	1,3-Dichlorobenzene	105	104	75	122	1.0	20
REC670	VO67F63L/C	6/28/05	05F177	W	SW8260B	1,3-Dichloropropane	101	103	80	133	2.0	20
REC670	VO67F63L/C	6/28/05	05F177	W	SW8260B	1,4-Dichlorobenzene	105	105	74	123	0.0	20
REC670	VO67F63L/C	6/28/05	05F177	W	SW8260B	2,2-Dichloropropane	101	102	62	134	1.0	20
REC670	VO67F63L/C	6/28/05	05F177	W	SW8260B	2-Butanone (MEK)	99	94	45	150	5.2	20
REC670	VO67F63L/C	6/28/05	05F177	W	SW8260B	2-Chlorotoluene	100	100	45	150	0.0	20
REC670	VO67F63L/C	6/28/05	05F177	W	SW8260B	2-Hexanone	106	108	79	121	1.9	20
REC670	VO67F63L/C	6/28/05	05F177	W	SW8260B	4-Chlorotoluene	102	103	73	127	1.0	20
REC670	VO67F63L/C	6/28/05	05F177	W	SW8260B	4-Methyl-2-Pentanone (MIBK)	105	106	59	150	0.9	20
REC670	VO67F63L/C	6/28/05	05F177	W	SW8260B	Acetone	97	95	51	157	2.1	20
REC670	VO67F63L/C	6/28/05	05F177	W	SW8260B	Acrylonitrile	103	100	50	150	3.0	30
REC670	VO67F63L/C	6/28/05	05F177	W	SW8260B	Benzene	97	100	79	126	3.0	20
REC670	VO67F63L/C	6/28/05	05F177	W	SW8260B	Bromobenzene	100	104	74	123	3.9	20
REC670	VO67F63L/C	6/28/05	05F177	W	SW8260B	Bromochloromethane	99	97	78	127	2.0	20

Table D5-9: Summary of LCS/LCSD Recoveries and RPDs
Parcel 186(6), Training Area T-38
McClellan, Anniston, Alabama

Analytical Batch	Lab ID	Analysis Date	Delivery Group	Matrix	Method	Parameter Name	LCS %R	LCSD %R	LCL	UCL	RPD	RPD Limit
REC670	VO67F63L/C	6/28/05	05F177	W	SW8260B	Bromodichloromethane	105	102	70	130	2.9	20
REC670	VO67F63L/C	6/28/05	05F177	W	SW8260B	Bromoform	109	113	72	136	3.6	20
REC670	VO67F63L/C	6/28/05	05F177	W	SW8260B	Bromomethane	94	91	35	153	3.2	20
REC670	VO67F63L/C	6/28/05	05F177	W	SW8260B	Carbon Disulfide	79	82	74	123	3.7	20
REC670	VO67F63L/C	6/28/05	05F177	W	SW8260B	Carbon Tetrachloride	100	101	71	132	1.0	20
REC670	VO67F63L/C	6/28/05	05F177	W	SW8260B	Chlorobenzene	104	104	80	127	0.0	20
REC670	VO67F63L/C	6/28/05	05F177	W	SW8260B	Chloroethane	99	95	72	129	4.1	20
REC670	VO67F63L/C	6/28/05	05F177	W	SW8260B	Chloroform	95	94	74	127	1.1	20
REC670	VO67F63L/C	6/28/05	05F177	W	SW8260B	Chloromethane	88	79	58	135	10.8	20
REC670	VO67F63L/C	6/28/05	05F177	W	SW8260B	Cis-1,2-Dichloroethene	101	101	73	133	0.0	20
REC670	VO67F63L/C	6/28/05	05F177	W	SW8260B	Cis-1,3-Dichloropropene	106	107	73	132	0.9	20
REC670	VO67F63L/C	6/28/05	05F177	W	SW8260B	Dibromochloromethane	113	112	74	145	0.9	20
REC670	VO67F63L/C	6/28/05	05F177	W	SW8260B	Dibromomethane	101	103	76	132	2.0	20
REC670	VO67F63L/C	6/28/05	05F177	W	SW8260B	Dichlorodifluoromethane	82	71	59	134	14.4	20
REC670	VO67F63L/C	6/28/05	05F177	W	SW8260B	Ethylbenzene	104	103	79	120	1.0	20
REC670	VO67F63L/C	6/28/05	05F177	W	SW8260B	Hexachlorobutadiene	107	115	78	133	7.2	20
REC670	VO67F63L/C	6/28/05	05F177	W	SW8260B	Iodomethane	87	90	70	130	3.4	30
REC670	VO67F63L/C	6/28/05	05F177	W	SW8260B	Isopropyl Benzene	104	116	77	126	10.9	20
REC670	VO67F63L/C	6/28/05	05F177	W	SW8260B	M,P-Xylene	105	103	79	122	1.9	20
REC670	VO67F63L/C	6/28/05	05F177	W	SW8260B	Methylene Chloride	93	89	69	118	4.4	20
REC670	VO67F63L/C	6/28/05	05F177	W	SW8260B	MTBE	102	98	59	129	4.0	20
REC670	VO67F63L/C	6/28/05	05F177	W	SW8260B	Naphthalene	88	101	65	149	13.8	20
REC670	VO67F63L/C	6/28/05	05F177	W	SW8260B	N-Butylbenzene	111	114	78	126	2.7	20
REC670	VO67F63L/C	6/28/05	05F177	W	SW8260B	N-Propylbenzene	103	103	75	127	0.0	20
REC670	VO67F63L/C	6/28/05	05F177	W	SW8260B	O-Xylene	105	104	82	120	1.0	20
REC670	VO67F63L/C	6/28/05	05F177	W	SW8260B	P-Isopropyltoluene	108	115	78	125	6.3	20
REC670	VO67F63L/C	6/28/05	05F177	W	SW8260B	Sec-Butylbenzene	108	103	78	125	4.7	20
REC670	VO67F63L/C	6/28/05	05F177	W	SW8260B	Styrene	110	109	76	130	0.9	20
REC670	VO67F63L/C	6/28/05	05F177	W	SW8260B	Tert-Butylbenzene	105	104	76	125	1.0	20
REC670	VO67F63L/C	6/28/05	05F177	W	SW8260B	Tetrachloroethylene	101	104	80	129	2.9	20
REC670	VO67F63L/C	6/28/05	05F177	W	SW8260B	Toluene	101	103	80	125	2.0	20
REC670	VO67F63L/C	6/28/05	05F177	W	SW8260B	Trans-1,2-Dichloroethene	93	93	78	134	0.0	20
REC670	VO67F63L/C	6/28/05	05F177	W	SW8260B	Trans-1,3-Dichloropropene	107	115	74	131	7.2	20
REC670	VO67F63L/C	6/28/05	05F177	W	SW8260B	Trans-1,4-Dichloro-2-Butene	106	109	50	150	2.8	30

Table D5-9: Summary of LCS/LCSD Recoveries and RPDs
Parcel 186(6), Training Area T-38
McClellan, Anniston, Alabama

Analytical Batch	Lab ID	Analysis Date	Delivery Group	Matrix	Method	Parameter Name	LCS %R	LCSD %R	LCL	UCL	RPD	RPD Limit
REC670	VO67F63L/C	6/28/05	05F177	W	SW8260B	Trichloroethene	99	102	67	128	3.0	20
REC670	VO67F63L/C	6/28/05	05F177	W	SW8260B	Trichlorofluoromethane	101	97	68	133	4.0	20
REC670	VO67F63L/C	6/28/05	05F177	W	SW8260B	Vinyl Acetate	98	94	36	176	4.2	20
REC670	VO67F63L/C	6/28/05	05F177	W	SW8260B	Vinyl Chloride	96	89	73	134	7.6	20
REC670	VO67F67L/C	6/29/05	05F188	W	SW8260B	1,1,1,2-Tetrachloroethane	110	109	70	130	0.9	30
REC670	VO67F67L/C	6/29/05	05F188	W	SW8260B	1,1,1-Trichloroethane	101	102	70	127	1.0	20
REC670	VO67F67L/C	6/29/05	05F188	W	SW8260B	1,1,2,2-Tetrachloroethane	100	100	68	129	0.0	20
REC670	VO67F67L/C	6/29/05	05F188	W	SW8260B	1,1,2-Trichloro-1,2,2-Trifluoroethane	101	102	54	154	1.0	20
REC670	VO67F67L/C	6/29/05	05F188	W	SW8260B	1,1,2-Trichloroethane	106	106	79	136	0.0	20
REC670	VO67F67L/C	6/29/05	05F188	W	SW8260B	1,1-Dichloroethane	97	100	80	133	3.0	20
REC670	VO67F67L/C	6/29/05	05F188	W	SW8260B	1,1-Dichloroethene	87	87	75	125	0.0	20
REC670	VO67F67L/C	6/29/05	05F188	W	SW8260B	1,1-Dichloropropene	99	98	76	135	1.0	20
REC670	VO67F67L/C	6/29/05	05F188	W	SW8260B	1,2,3-Trichlorobenzene	109	109	75	133	0.0	20
REC670	VO67F67L/C	6/29/05	05F188	W	SW8260B	1,2,3-Trichloropropane	103	99	65	139	4.0	20
REC670	VO67F67L/C	6/29/05	05F188	W	SW8260B	1,2,4-Trichlorobenzene	107	106	80	130	0.9	20
REC670	VO67F67L/C	6/29/05	05F188	W	SW8260B	1,2,4-Trimethylbenzene	107	105	76	123	1.9	20
REC670	VO67F67L/C	6/29/05	05F188	W	SW8260B	1,2-Dibromo-3-Chloropropane	109	113	75	132	3.6	20
REC670	VO67F67L/C	6/29/05	05F188	W	SW8260B	1,2-Dibromoethane	108	106	80	127	1.9	20
REC670	VO67F67L/C	6/29/05	05F188	W	SW8260B	1,2-Dichlorobenzene	107	106	73	120	0.9	20
REC670	VO67F67L/C	6/29/05	05F188	W	SW8260B	1,2-Dichloroethane	100	98	67	132	2.0	20
REC670	VO67F67L/C	6/29/05	05F188	W	SW8260B	1,2-Dichloropropane	102	103	77	127	1.0	20
REC670	VO67F67L/C	6/29/05	05F188	W	SW8260B	1,3,5-Trimethylbenzene	105	104	78	121	1.0	20
REC670	VO67F67L/C	6/29/05	05F188	W	SW8260B	1,3-Dichlorobenzene	107	107	75	122	0.0	20
REC670	VO67F67L/C	6/29/05	05F188	W	SW8260B	1,3-Dichloropropane	102	102	80	133	0.0	20
REC670	VO67F67L/C	6/29/05	05F188	W	SW8260B	1,4-Dichlorobenzene	105	104	74	123	1.0	20
REC670	VO67F67L/C	6/29/05	05F188	W	SW8260B	2,2-Dichloropropane	102	100	62	134	2.0	20
REC670	VO67F67L/C	6/29/05	05F188	W	SW8260B	2-Butanone (MEK)	95	105	45	150	10.0	20
REC670	VO67F67L/C	6/29/05	05F188	W	SW8260B	2-Chlorotoluene	97	96	45	150	1.0	20
REC670	VO67F67L/C	6/29/05	05F188	W	SW8260B	2-Hexanone	106	112	79	121	5.5	20
REC670	VO67F67L/C	6/29/05	05F188	W	SW8260B	4-Chlorotoluene	97	107	73	127	9.8	20
REC670	VO67F67L/C	6/29/05	05F188	W	SW8260B	4-Methyl-2-Pentanone (MIBK)	100	106	59	150	5.8	20
REC670	VO67F67L/C	6/29/05	05F188	W	SW8260B	Acetone	95	97	51	157	2.1	20
REC670	VO67F67L/C	6/29/05	05F188	W	SW8260B	Acrylonitrile	98	103	50	150	5.0	30
REC670	VO67F67L/C	6/29/05	05F188	W	SW8260B	Benzene	99	98	79	126	1.0	20

Table D5-9: Summary of LCS/LCSD Recoveries and RPDs
Parcel 186(6), Training Area T-38
McClellan, Anniston, Alabama

Analytical Batch	Lab ID	Analysis Date	Delivery Group	Matrix	Method	Parameter Name	LCS %R	LCSD %R	LCL	UCL	RPD	RPD Limit
REC670	VO67F67L/C	6/29/05	05F188	W	SW8260B	Bromobenzene	101	100	74	123	1.0	20
REC670	VO67F67L/C	6/29/05	05F188	W	SW8260B	Bromochloromethane	98	102	78	127	4.0	20
REC670	VO67F67L/C	6/29/05	05F188	W	SW8260B	Bromodichloromethane	102	100	70	130	2.0	20
REC670	VO67F67L/C	6/29/05	05F188	W	SW8260B	Bromoform	107	108	72	136	0.9	20
REC670	VO67F67L/C	6/29/05	05F188	W	SW8260B	Bromomethane	87	91	35	153	4.5	20
REC670	VO67F67L/C	6/29/05	05F188	W	SW8260B	Carbon Disulfide	84	84	74	123	0.0	20
REC670	VO67F67L/C	6/29/05	05F188	W	SW8260B	Carbon Tetrachloride	102	99	71	132	3.0	20
REC670	VO67F67L/C	6/29/05	05F188	W	SW8260B	Chlorobenzene	105	104	80	127	1.0	20
REC670	VO67F67L/C	6/29/05	05F188	W	SW8260B	Chloroethane	103	104	72	129	1.0	20
REC670	VO67F67L/C	6/29/05	05F188	W	SW8260B	Chloroform	95	96	74	127	1.0	20
REC670	VO67F67L/C	6/29/05	05F188	W	SW8260B	Chloromethane	86	87	58	135	1.2	20
REC670	VO67F67L/C	6/29/05	05F188	W	SW8260B	Cis-1,2-Dichloroethene	101	101	73	133	0.0	20
REC670	VO67F67L/C	6/29/05	05F188	W	SW8260B	Cis-1,3-Dichloropropene	108	107	73	132	0.9	20
REC670	VO67F67L/C	6/29/05	05F188	W	SW8260B	Dibromochloromethane	111	110	74	145	0.9	20
REC670	VO67F67L/C	6/29/05	05F188	W	SW8260B	Dibromomethane	101	102	76	132	1.0	20
REC670	VO67F67L/C	6/29/05	05F188	W	SW8260B	Dichlorodifluoromethane	76	75	59	134	1.3	20
REC670	VO67F67L/C	6/29/05	05F188	W	SW8260B	Ethylbenzene	105	103	79	120	1.9	20
REC670	VO67F67L/C	6/29/05	05F188	W	SW8260B	Hexachlorobutadiene	110	106	78	133	3.7	20
REC670	VO67F67L/C	6/29/05	05F188	W	SW8260B	Iodomethane	97	98	70	130	1.0	30
REC670	VO67F67L/C	6/29/05	05F188	W	SW8260B	Isopropyl Benzene	117	116	77	126	0.9	20
REC670	VO67F67L/C	6/29/05	05F188	W	SW8260B	M,P-Xylene	106	105	79	122	0.9	20
REC670	VO67F67L/C	6/29/05	05F188	W	SW8260B	Methylene Chloride	91	93	69	118	2.2	20
REC670	VO67F67L/C	6/29/05	05F188	W	SW8260B	MTBE	96	98	59	129	2.1	20
REC670	VO67F67L/C	6/29/05	05F188	W	SW8260B	Naphthalene	93	94	65	149	1.1	20
REC670	VO67F67L/C	6/29/05	05F188	W	SW8260B	N-Butylbenzene	117	113	78	126	3.5	20
REC670	VO67F67L/C	6/29/05	05F188	W	SW8260B	N-Propylbenzene	105	104	75	127	1.0	20
REC670	VO67F67L/C	6/29/05	05F188	W	SW8260B	O-Xylene	106	106	82	120	0.0	20
REC670	VO67F67L/C	6/29/05	05F188	W	SW8260B	P-Isopropyltoluene	116	112	78	125	3.5	20
REC670	VO67F67L/C	6/29/05	05F188	W	SW8260B	Sec-Butylbenzene	106	104	78	125	1.9	20
REC670	VO67F67L/C	6/29/05	05F188	W	SW8260B	Styrene	110	110	76	130	0.0	20
REC670	VO67F67L/C	6/29/05	05F188	W	SW8260B	Tert-Butylbenzene	107	107	76	125	0.0	20
REC670	VO67F67L/C	6/29/05	05F188	W	SW8260B	Tetrachloroethylene	103	100	80	129	3.0	20
REC670	VO67F67L/C	6/29/05	05F188	W	SW8260B	Toluene	103	103	80	125	0.0	20
REC670	VO67F67L/C	6/29/05	05F188	W	SW8260B	Trans-1,2-Dichloroethene	94	94	78	134	0.0	20

Table D5-9: Summary of LCS/LCSD Recoveries and RPDs
Parcel 186(6), Training Area T-38
McClellan, Anniston, Alabama

Analytical Batch	Lab ID	Analysis Date	Delivery Group	Matrix	Method	Parameter Name	LCS %R	LCSD %R	LCL	UCL	RPD	RPD Limit
REC670	VO67F67L/C	6/29/05	05F188	W	SW8260B	Trans-1,3-Dichloropropene	114	115	74	131	0.9	20
REC670	VO67F67L/C	6/29/05	05F188	W	SW8260B	Trans-1,4-Dichloro-2-Butene	105	109	50	150	3.7	30
REC670	VO67F67L/C	6/29/05	05F188	W	SW8260B	Trichloroethene	101	99	67	128	2.0	20
REC670	VO67F67L/C	6/29/05	05F188	W	SW8260B	Trichlorofluoromethane	103	104	68	133	1.0	20
REC670	VO67F67L/C	6/29/05	05F188	W	SW8260B	Vinyl Acetate	97	97	36	176	0.0	20
REC670	VO67F67L/C	6/29/05	05F188	W	SW8260B	Vinyl Chloride	97	98	73	134	1.0	20
REC670	VO67F69L/C	6/30/05	05F188	W	SW8260B	1,1,1,2-Tetrachloroethane	108	110	70	130	1.8	30
REC670	VO67F69L/C	6/30/05	05F188	W	SW8260B	1,1,1-Trichloroethane	100	101	70	127	1.0	20
REC670	VO67F69L/C	6/30/05	05F188	W	SW8260B	1,1,2,2-Tetrachloroethane	99	99	68	129	0.0	20
REC670	VO67F69L/C	6/30/05	05F188	W	SW8260B	1,1,2-Trichloro-1,2,2-Trifluoroethane	100	101	54	154	1.0	20
REC670	VO67F69L/C	6/30/05	05F188	W	SW8260B	1,1,2-Trichloroethane	108	106	79	136	1.9	20
REC670	VO67F69L/C	6/30/05	05F188	W	SW8260B	1,1-Dichloroethane	98	99	80	133	1.0	20
REC670	VO67F69L/C	6/30/05	05F188	W	SW8260B	1,1-Dichloroethene	92	86	75	125	6.7	20
REC670	VO67F69L/C	6/30/05	05F188	W	SW8260B	1,1-Dichloropropene	95	96	76	135	1.0	20
REC670	VO67F69L/C	6/30/05	05F188	W	SW8260B	1,2,3-Trichlorobenzene	108	108	75	133	0.0	20
REC670	VO67F69L/C	6/30/05	05F188	W	SW8260B	1,2,3-Trichloropropane	97	102	65	139	5.0	20
REC670	VO67F69L/C	6/30/05	05F188	W	SW8260B	1,2,4-Trichlorobenzene	104	104	80	130	0.0	20
REC670	VO67F69L/C	6/30/05	05F188	W	SW8260B	1,2,4-Trimethylbenzene	103	102	76	123	1.0	20
REC670	VO67F69L/C	6/30/05	05F188	W	SW8260B	1,2-Dibromo-3-Chloropropane	107	109	75	132	1.9	20
REC670	VO67F69L/C	6/30/05	05F188	W	SW8260B	1,2-Dibromoethane	107	108	80	127	0.9	20
REC670	VO67F69L/C	6/30/05	05F188	W	SW8260B	1,2-Dichlorobenzene	103	105	73	120	1.9	20
REC670	VO67F69L/C	6/30/05	05F188	W	SW8260B	1,2-Dichloroethane	101	101	67	132	0.0	20
REC670	VO67F69L/C	6/30/05	05F188	W	SW8260B	1,2-Dichloropropane	101	103	77	127	2.0	20
REC670	VO67F69L/C	6/30/05	05F188	W	SW8260B	1,3,5-Trimethylbenzene	100	101	78	121	1.0	20
REC670	VO67F69L/C	6/30/05	05F188	W	SW8260B	1,3-Dichlorobenzene	102	104	75	122	1.9	20
REC670	VO67F69L/C	6/30/05	05F188	W	SW8260B	1,3-Dichloropropane	102	103	80	133	1.0	20
REC670	VO67F69L/C	6/30/05	05F188	W	SW8260B	1,4-Dichlorobenzene	103	103	74	123	0.0	20
REC670	VO67F69L/C	6/30/05	05F188	W	SW8260B	2,2-Dichloropropane	81	82	62	134	1.2	20
REC670	VO67F69L/C	6/30/05	05F188	W	SW8260B	2-Butanone (MEK)	102	99	45	150	3.0	20
REC670	VO67F69L/C	6/30/05	05F188	W	SW8260B	2-Chlorotoluene	90	101	45	150	11.5	20
REC670	VO67F69L/C	6/30/05	05F188	W	SW8260B	2-Hexanone	114	107	79	121	6.3	20
REC670	VO67F69L/C	6/30/05	05F188	W	SW8260B	4-Chlorotoluene	96	100	73	127	4.1	20
REC670	VO67F69L/C	6/30/05	05F188	W	SW8260B	4-Methyl-2-Pentanone (MIBK)	106	104	59	150	1.9	20
REC670	VO67F69L/C	6/30/05	05F188	W	SW8260B	Acetone	105	101	51	157	3.9	20

Table D5-9: Summary of LCS/LCSD Recoveries and RPDs
Parcel 186(6), Training Area T-38
McClellan, Anniston, Alabama

Analytical Batch	Lab ID	Analysis Date	Delivery Group	Matrix	Method	Parameter Name	LCS %R	LCSD %R	LCL	UCL	RPD	RPD Limit
REC670	VO67F69L/C	6/30/05	05F188	W	SW8260B	Acrylonitrile	104	101	50	150	2.9	30
REC670	VO67F69L/C	6/30/05	05F188	W	SW8260B	Benzene	97	97	79	126	0.0	20
REC670	VO67F69L/C	6/30/05	05F188	W	SW8260B	Bromobenzene	99	101	74	123	2.0	20
REC670	VO67F69L/C	6/30/05	05F188	W	SW8260B	Bromochloromethane	101	102	78	127	1.0	20
REC670	VO67F69L/C	6/30/05	05F188	W	SW8260B	Bromodichloromethane	105	101	70	130	3.9	20
REC670	VO67F69L/C	6/30/05	05F188	W	SW8260B	Bromoform	108	110	72	136	1.8	20
REC670	VO67F69L/C	6/30/05	05F188	W	SW8260B	Bromomethane	96	95	35	153	1.0	20
REC670	VO67F69L/C	6/30/05	05F188	W	SW8260B	Carbon Disulfide	78	82	74	123	5.0	20
REC670	VO67F69L/C	6/30/05	05F188	W	SW8260B	Carbon Tetrachloride	98	100	71	132	2.0	20
REC670	VO67F69L/C	6/30/05	05F188	W	SW8260B	Chlorobenzene	103	106	80	127	2.9	20
REC670	VO67F69L/C	6/30/05	05F188	W	SW8260B	Chloroethane	106	108	72	129	1.9	20
REC670	VO67F69L/C	6/30/05	05F188	W	SW8260B	Chloroform	96	96	74	127	0.0	20
REC670	VO67F69L/C	6/30/05	05F188	W	SW8260B	Chloromethane	94	92	58	135	2.2	20
REC670	VO67F69L/C	6/30/05	05F188	W	SW8260B	Cis-1,2-Dichloroethene	99	100	73	133	1.0	20
REC670	VO67F69L/C	6/30/05	05F188	W	SW8260B	Cis-1,3-Dichloropropene	102	101	73	132	1.0	20
REC670	VO67F69L/C	6/30/05	05F188	W	SW8260B	Dibromochloromethane	111	112	74	145	0.9	20
REC670	VO67F69L/C	6/30/05	05F188	W	SW8260B	Dibromomethane	101	103	76	132	2.0	20
REC670	VO67F69L/C	6/30/05	05F188	W	SW8260B	Dichlorodifluoromethane	88	81	59	134	8.3	20
REC670	VO67F69L/C	6/30/05	05F188	W	SW8260B	Ethylbenzene	104	104	79	120	0.0	20
REC670	VO67F69L/C	6/30/05	05F188	W	SW8260B	Hexachlorobutadiene	102	104	78	133	1.9	20
REC670	VO67F69L/C	6/30/05	05F188	W	SW8260B	Iodomethane	91	97	70	130	6.4	30
REC670	VO67F69L/C	6/30/05	05F188	W	SW8260B	Isopropyl Benzene	101	112	77	126	10.3	20
REC670	VO67F69L/C	6/30/05	05F188	W	SW8260B	M,P-Xylene	104	105	79	122	1.0	20
REC670	VO67F69L/C	6/30/05	05F188	W	SW8260B	Methylene Chloride	97	95	69	118	2.1	20
REC670	VO67F69L/C	6/30/05	05F188	W	SW8260B	MTBE	103	98	59	129	5.0	20
REC670	VO67F69L/C	6/30/05	05F188	W	SW8260B	Naphthalene	91	91	65	149	0.0	20
REC670	VO67F69L/C	6/30/05	05F188	W	SW8260B	N-Butylbenzene	106	104	78	126	1.9	20
REC670	VO67F69L/C	6/30/05	05F188	W	SW8260B	N-Propylbenzene	99	100	75	127	1.0	20
REC670	VO67F69L/C	6/30/05	05F188	W	SW8260B	O-Xylene	105	107	82	120	1.9	20
REC670	VO67F69L/C	6/30/05	05F188	W	SW8260B	P-Isopropyltoluene	104	108	78	125	3.8	20
REC670	VO67F69L/C	6/30/05	05F188	W	SW8260B	Sec-Butylbenzene	104	101	78	125	2.9	20
REC670	VO67F69L/C	6/30/05	05F188	W	SW8260B	Styrene	108	108	76	130	0.0	20
REC670	VO67F69L/C	6/30/05	05F188	W	SW8260B	Tert-Butylbenzene	103	104	76	125	1.0	20
REC670	VO67F69L/C	6/30/05	05F188	W	SW8260B	Tetrachloroethylene	99	99	80	129	0.0	20

Table D5-9: Summary of LCS/LCSD Recoveries and RPDs
Parcel 186(6), Training Area T-38
McClellan, Anniston, Alabama

Analytical Batch	Lab ID	Analysis Date	Delivery Group	Matrix	Method	Parameter Name	LCS %R	LCSD %R	LCL	UCL	RPD	RPD Limit
REC670	VO67F69L/C	6/30/05	05F188	W	SW8260B	Toluene	101	102	80	125	1.0	20
REC670	VO67F69L/C	6/30/05	05F188	W	SW8260B	Trans-1,2-Dichloroethene	94	93	78	134	1.1	20
REC670	VO67F69L/C	6/30/05	05F188	W	SW8260B	Trans-1,3-Dichloropropene	102	110	74	131	7.5	20
REC670	VO67F69L/C	6/30/05	05F188	W	SW8260B	Trans-1,4-Dichloro-2-Butene	87	100	50	150	13.9	30
REC670	VO67F69L/C	6/30/05	05F188	W	SW8260B	Trichloroethene	99	99	67	128	0.0	20
REC670	VO67F69L/C	6/30/05	05F188	W	SW8260B	Trichlorofluoromethane	108	110	68	133	1.8	20
REC670	VO67F69L/C	6/30/05	05F188	W	SW8260B	Vinyl Acetate	102	96	36	176	6.1	20
REC670	VO67F69L/C	6/30/05	05F188	W	SW8260B	Vinyl Chloride	104	103	73	134	1.0	20
RFQ195	VO05F20L/C	6/9/05	05F035	W	SW8260B	1,1,1,2-Tetrachloroethane	97	105	70	130	7.9	30
RFQ195	VO05F20L/C	6/9/05	05F035	W	SW8260B	1,1,1-Trichloroethane	98	109	70	127	10.6	20
RFQ195	VO05F20L/C	6/9/05	05F035	W	SW8260B	1,1,2,2-Tetrachloroethane	96	104	68	129	8.0	20
RFQ195	VO05F20L/C	6/9/05	05F035	W	SW8260B	1,1,2-Trichloro-1,2,2-Trifluoroethane	97	106	54	154	8.9	20
RFQ195	VO05F20L/C	6/9/05	05F035	W	SW8260B	1,1,2-Trichloroethane	100	105	79	136	4.9	20
RFQ195	VO05F20L/C	6/9/05	05F035	W	SW8260B	1,1-Dichloroethane	93	100	80	133	7.3	20
RFQ195	VO05F20L/C	6/9/05	05F035	W	SW8260B	1,1-Dichloroethene	105	116	75	125	10.0	20
RFQ195	VO05F20L/C	6/9/05	05F035	W	SW8260B	1,1-Dichloropropene	94	107	76	135	12.9	20
RFQ195	VO05F20L/C	6/9/05	05F035	W	SW8260B	1,2,3-Trichlorobenzene	87	98	75	133	11.9	20
RFQ195	VO05F20L/C	6/9/05	05F035	W	SW8260B	1,2,3-Trichloropropane	104	110	65	139	5.6	20
RFQ195	VO05F20L/C	6/9/05	05F035	W	SW8260B	1,2,4-Trichlorobenzene	85	99	80	130	15.2	20
RFQ195	VO05F20L/C	6/9/05	05F035	W	SW8260B	1,2,4-Trimethylbenzene	103	113	76	123	9.3	20
RFQ195	VO05F20L/C	6/9/05	05F035	W	SW8260B	1,2-Dibromo-3-Chloropropane	79	90	75	132	13.0	20
RFQ195	VO05F20L/C	6/9/05	05F035	W	SW8260B	1,2-Dibromoethane	100	104	80	127	3.9	20
RFQ195	VO05F20L/C	6/9/05	05F035	W	SW8260B	1,2-Dichlorobenzene	91	99	73	120	8.4	20
RFQ195	VO05F20L/C	6/9/05	05F035	W	SW8260B	1,2-Dichloroethane	97	103	67	132	6.0	20
RFQ195	VO05F20L/C	6/9/05	05F035	W	SW8260B	1,2-Dichloropropane	95	103	77	127	8.1	20
RFQ195	VO05F20L/C	6/9/05	05F035	W	SW8260B	1,3,5-Trimethylbenzene	102	111	78	121	8.5	20
RFQ195	VO05F20L/C	6/9/05	05F035	W	SW8260B	1,3-Dichlorobenzene	96	105	75	122	9.0	20
RFQ195	VO05F20L/C	6/9/05	05F035	W	SW8260B	1,3-Dichloropropane	98	104	80	133	5.9	20
RFQ195	VO05F20L/C	6/9/05	05F035	W	SW8260B	1,4-Dichlorobenzene	100	109	74	123	8.6	20
RFQ195	VO05F20L/C	6/9/05	05F035	W	SW8260B	2,2-Dichloropropane	103	115	62	134	11.0	20
RFQ195	VO05F20L/C	6/9/05	05F035	W	SW8260B	2-Butanone (MEK)	103	88	45	150	15.7	20
RFQ195	VO05F20L/C	6/9/05	05F035	W	SW8260B	2-Chlorotoluene	101	111	45	150	9.4	20
RFQ195	VO05F20L/C	6/9/05	05F035	W	SW8260B	2-Hexanone	99	111	79	121	11.4	20
RFQ195	VO05F20L/C	6/9/05	05F035	W	SW8260B	4-Chlorotoluene	98	106	73	127	7.8	20

Table D5-9: Summary of LCS/LCSD Recoveries and RPDs
Parcel 186(6), Training Area T-38
McClellan, Anniston, Alabama

Analytical Batch	Lab ID	Analysis Date	Delivery Group	Matrix	Method	Parameter Name	LCS %R	LCSD %R	LCL	UCL	RPD	RPD Limit
RFQ195	VO05F20L/C	6/9/05	05F035	W	SW8260B	4-Methyl-2-Pentanone (MIBK)	106	115	59	150	8.1	20
RFQ195	VO05F20L/C	6/9/05	05F035	W	SW8260B	Acetone	97	101	51	157	4.0	20
RFQ195	VO05F20L/C	6/9/05	05F035	W	SW8260B	Acrylonitrile	99	104	50	150	4.9	30
RFQ195	VO05F20L/C	6/9/05	05F035	W	SW8260B	Benzene	92	100	79	126	8.3	20
RFQ195	VO05F20L/C	6/9/05	05F035	W	SW8260B	Bromobenzene	97	107	74	123	9.8	20
RFQ195	VO05F20L/C	6/9/05	05F035	W	SW8260B	Bromochloromethane	99	103	78	127	4.0	20
RFQ195	VO05F20L/C	6/9/05	05F035	W	SW8260B	Bromodichloromethane	98	106	70	130	7.8	20
RFQ195	VO05F20L/C	6/9/05	05F035	W	SW8260B	Bromoform	92	101	72	136	9.3	20
RFQ195	VO05F20L/C	6/9/05	05F035	W	SW8260B	Bromomethane	89	90	35	153	1.1	20
RFQ195	VO05F20L/C	6/9/05	05F035	W	SW8260B	Carbon Disulfide	97	109	74	123	11.7	20
RFQ195	VO05F20L/C	6/9/05	05F035	W	SW8260B	Carbon Tetrachloride	94	105	71	132	11.1	20
RFQ195	VO05F20L/C	6/9/05	05F035	W	SW8260B	Chlorobenzene	95	104	80	127	9.0	20
RFQ195	VO05F20L/C	6/9/05	05F035	W	SW8260B	Chloroethane	97	105	72	129	7.9	20
RFQ195	VO05F20L/C	6/9/05	05F035	W	SW8260B	Chloroform	92	100	74	127	8.3	20
RFQ195	VO05F20L/C	6/9/05	05F035	W	SW8260B	Chloromethane	97	95	58	135	2.1	20
RFQ195	VO05F20L/C	6/9/05	05F035	W	SW8260B	Cis-1,2-Dichloroethene	100	108	73	133	7.7	20
RFQ195	VO05F20L/C	6/9/05	05F035	W	SW8260B	Cis-1,3-Dichloropropene	103	113	73	132	9.3	20
RFQ195	VO05F20L/C	6/9/05	05F035	W	SW8260B	Dibromochloromethane	99	106	74	145	6.8	20
RFQ195	VO05F20L/C	6/9/05	05F035	W	SW8260B	Dibromomethane	92	99	76	132	7.3	20
RFQ195	VO05F20L/C	6/9/05	05F035	W	SW8260B	Dichlorodifluoromethane	85	91	59	134	6.8	20
RFQ195	VO05F20L/C	6/9/05	05F035	W	SW8260B	Ethylbenzene	100	109	79	120	8.6	20
RFQ195	VO05F20L/C	6/9/05	05F035	W	SW8260B	Hexachlorobutadiene	96	107	78	133	10.8	20
RFQ195	VO05F20L/C	6/9/05	05F035	W	SW8260B	Iodomethane	81	91	70	130	11.6	30
RFQ195	VO05F20L/C	6/9/05	05F035	W	SW8260B	Isopropyl Benzene	91	102	77	126	11.4	20
RFQ195	VO05F20L/C	6/9/05	05F035	W	SW8260B	M,P-Xylene	99	107	79	122	7.8	20
RFQ195	VO05F20L/C	6/9/05	05F035	W	SW8260B	Methylene Chloride	97	105	69	118	7.9	20
RFQ195	VO05F20L/C	6/9/05	05F035	W	SW8260B	MTBE	93	96	59	129	3.2	20
RFQ195	VO05F20L/C	6/9/05	05F035	W	SW8260B	Naphthalene	84	95	65	149	12.3	20
RFQ195	VO05F20L/C	6/9/05	05F035	W	SW8260B	N-Butylbenzene	100	112	78	126	11.3	20
RFQ195	VO05F20L/C	6/9/05	05F035	W	SW8260B	N-Propylbenzene	101	112	75	127	10.3	20
RFQ195	VO05F20L/C	6/9/05	05F035	W	SW8260B	O-Xylene	101	110	82	120	8.5	20
RFQ195	VO05F20L/C	6/9/05	05F035	W	SW8260B	P-Isopropyltoluene	98	107	78	125	8.8	20
RFQ195	VO05F20L/C	6/9/05	05F035	W	SW8260B	Sec-Butylbenzene	102	114	78	125	11.1	20
RFQ195	VO05F20L/C	6/9/05	05F035	W	SW8260B	Styrene	99	109	76	130	9.6	20

Table D5-9: Summary of LCS/LCSD Recoveries and RPDs
Parcel 186(6), Training Area T-38
McClellan, Anniston, Alabama

Analytical Batch	Lab ID	Analysis Date	Delivery Group	Matrix	Method	Parameter Name	LCS %R	LCSD %R	LCL	UCL	RPD	RPD Limit
RFQ195	VO05F20L/C	6/9/05	05F035	W	SW8260B	Tert-Butylbenzene	100	112	76	125	11.3	20
RFQ195	VO05F20L/C	6/9/05	05F035	W	SW8260B	Tetrachloroethylene	93	102	80	129	9.2	20
RFQ195	VO05F20L/C	6/9/05	05F035	W	SW8260B	Toluene	97	105	80	125	7.9	20
RFQ195	VO05F20L/C	6/9/05	05F035	W	SW8260B	Trans-1,2-Dichloroethene	96	104	78	134	8.0	20
RFQ195	VO05F20L/C	6/9/05	05F035	W	SW8260B	Trans-1,3-Dichloropropene	85	95	74	131	11.1	20
RFQ195	VO05F20L/C	6/9/05	05F035	W	SW8260B	Trans-1,4-Dichloro-2-Butene	95	103	50	150	8.1	30
RFQ195	VO05F20L/C	6/9/05	05F035	W	SW8260B	Trichloroethene	90	100	67	128	10.5	20
RFQ195	VO05F20L/C	6/9/05	05F035	W	SW8260B	Trichlorofluoromethane	101	111	68	133	9.4	20
RFQ195	VO05F20L/C	6/9/05	05F035	W	SW8260B	Vinyl Acetate	122	126	36	176	3.2	20
RFQ195	VO05F20L/C	6/9/05	05F035	W	SW8260B	Vinyl Chloride	97	105	73	134	7.9	20
RFQ195	VO05F21L/C	6/10/05	05F035	W	SW8260B	1,1,1,2-Tetrachloroethane	97	101	70	130	4.0	30
RFQ195	VO05F21L/C	6/10/05	05F035	W	SW8260B	1,1,1-Trichloroethane	98	102	70	127	4.0	20
RFQ195	VO05F21L/C	6/10/05	05F035	W	SW8260B	1,1,2,2-Tetrachloroethane	92	100	68	129	8.3	20
RFQ195	VO05F21L/C	6/10/05	05F035	W	SW8260B	1,1,2-Trichloro-1,2,2-Trifluoroethane	96	101	54	154	5.1	20
RFQ195	VO05F21L/C	6/10/05	05F035	W	SW8260B	1,1,2-Trichloroethane	95	102	79	136	7.1	20
RFQ195	VO05F21L/C	6/10/05	05F035	W	SW8260B	1,1-Dichloroethane	91	95	80	133	4.3	20
RFQ195	VO05F21L/C	6/10/05	05F035	W	SW8260B	1,1-Dichloroethene	107	110	75	125	2.8	20
RFQ195	VO05F21L/C	6/10/05	05F035	W	SW8260B	1,1-Dichloropropene	104	108	76	135	3.8	20
RFQ195	VO05F21L/C	6/10/05	05F035	W	SW8260B	1,2,3-Trichlorobenzene	93	97	75	133	4.2	20
RFQ195	VO05F21L/C	6/10/05	05F035	W	SW8260B	1,2,3-Trichloropropane	94	103	65	139	9.1	20
RFQ195	VO05F21L/C	6/10/05	05F035	W	SW8260B	1,2,4-Trichlorobenzene	92	96	80	130	4.3	20
RFQ195	VO05F21L/C	6/10/05	05F035	W	SW8260B	1,2,4-Trimethylbenzene	105	108	76	123	2.8	20
RFQ195	VO05F21L/C	6/10/05	05F035	W	SW8260B	1,2-Dibromo-3-Chloropropane	83	93	75	132	11.4	20
RFQ195	VO05F21L/C	6/10/05	05F035	W	SW8260B	1,2-Dibromoethane	96	102	80	127	6.1	20
RFQ195	VO05F21L/C	6/10/05	05F035	W	SW8260B	1,2-Dichlorobenzene	94	97	73	120	3.1	20
RFQ195	VO05F21L/C	6/10/05	05F035	W	SW8260B	1,2-Dichloroethane	94	99	67	132	5.2	20
RFQ195	VO05F21L/C	6/10/05	05F035	W	SW8260B	1,2-Dichloropropane	98	103	77	127	5.0	20
RFQ195	VO05F21L/C	6/10/05	05F035	W	SW8260B	1,3,5-Trimethylbenzene	105	105	78	121	0.0	20
RFQ195	VO05F21L/C	6/10/05	05F035	W	SW8260B	1,3-Dichlorobenzene	98	100	75	122	2.0	20
RFQ195	VO05F21L/C	6/10/05	05F035	W	SW8260B	1,3-Dichloropropane	96	102	80	133	6.1	20
RFQ195	VO05F21L/C	6/10/05	05F035	W	SW8260B	1,4-Dichlorobenzene	103	105	74	123	1.9	20
RFQ195	VO05F21L/C	6/10/05	05F035	W	SW8260B	2,2-Dichloropropane	100	106	62	134	5.8	20
RFQ195	VO05F21L/C	6/10/05	05F035	W	SW8260B	2-Butanone (MEK)	89	104	45	150	15.5	20
RFQ195	VO05F21L/C	6/10/05	05F035	W	SW8260B	2-Chlorotoluene	103	104	45	150	1.0	20

Table D5-9: Summary of LCS/LCSD Recoveries and RPDs
Parcel 186(6), Training Area T-38
McClellan, Anniston, Alabama

Analytical Batch	Lab ID	Analysis Date	Delivery Group	Matrix	Method	Parameter Name	LCS %R	LCSD %R	LCL	UCL	RPD	RPD Limit
RFQ195	VO05F21L/C	6/10/05	05F035	W	SW8260B	2-Hexanone	87	102	79	121	15.9	20
RFQ195	VO05F21L/C	6/10/05	05F035	W	SW8260B	4-Chlorotoluene	100	102	73	127	2.0	20
RFQ195	VO05F21L/C	6/10/05	05F035	W	SW8260B	4-Methyl-2-Pentanone (MIBK)	94	107	59	150	12.9	20
RFQ195	VO05F21L/C	6/10/05	05F035	W	SW8260B	Acetone	87	92	51	157	5.6	20
RFQ195	VO05F21L/C	6/10/05	05F035	W	SW8260B	Acrylonitrile	83	94	50	150	12.4	30
RFQ195	VO05F21L/C	6/10/05	05F035	W	SW8260B	Benzene	99	101	79	126	2.0	20
RFQ195	VO05F21L/C	6/10/05	05F035	W	SW8260B	Bromobenzene	99	102	74	123	3.0	20
RFQ195	VO05F21L/C	6/10/05	05F035	W	SW8260B	Bromochloromethane	94	101	78	127	7.2	20
RFQ195	VO05F21L/C	6/10/05	05F035	W	SW8260B	Bromodichloromethane	99	103	70	130	4.0	20
RFQ195	VO05F21L/C	6/10/05	05F035	W	SW8260B	Bromoform	89	95	72	136	6.5	20
RFQ195	VO05F21L/C	6/10/05	05F035	W	SW8260B	Bromomethane	91	90	35	153	1.1	20
RFQ195	VO05F21L/C	6/10/05	05F035	W	SW8260B	Carbon Disulfide	99	106	74	123	6.8	20
RFQ195	VO05F21L/C	6/10/05	05F035	W	SW8260B	Carbon Tetrachloride	99	103	71	132	4.0	20
RFQ195	VO05F21L/C	6/10/05	05F035	W	SW8260B	Chlorobenzene	97	100	80	127	3.0	20
RFQ195	VO05F21L/C	6/10/05	05F035	W	SW8260B	Chloroethane	100	106	72	129	5.8	20
RFQ195	VO05F21L/C	6/10/05	05F035	W	SW8260B	Chloroform	91	95	74	127	4.3	20
RFQ195	VO05F21L/C	6/10/05	05F035	W	SW8260B	Chloromethane	93	94	58	135	1.1	20
RFQ195	VO05F21L/C	6/10/05	05F035	W	SW8260B	Cis-1,2-Dichloroethene	99	102	73	133	3.0	20
RFQ195	VO05F21L/C	6/10/05	05F035	W	SW8260B	Cis-1,3-Dichloropropene	106	110	73	132	3.7	20
RFQ195	VO05F21L/C	6/10/05	05F035	W	SW8260B	Dibromochloromethane	98	104	74	145	5.9	20
RFQ195	VO05F21L/C	6/10/05	05F035	W	SW8260B	Dibromomethane	93	96	76	132	3.2	20
RFQ195	VO05F21L/C	6/10/05	05F035	W	SW8260B	Dichlorodifluoromethane	84	87	59	134	3.5	20
RFQ195	VO05F21L/C	6/10/05	05F035	W	SW8260B	Ethylbenzene	102	106	79	120	3.8	20
RFQ195	VO05F21L/C	6/10/05	05F035	W	SW8260B	Hexachlorobutadiene	105	109	78	133	3.7	20
RFQ195	VO05F21L/C	6/10/05	05F035	W	SW8260B	Iodomethane	72	77	70	130	6.7	30
RFQ195	VO05F21L/C	6/10/05	05F035	W	SW8260B	Isopropyl Benzene	97	98	77	126	1.0	20
RFQ195	VO05F21L/C	6/10/05	05F035	W	SW8260B	M,P-Xylene	100	102	79	122	2.0	20
RFQ195	VO05F21L/C	6/10/05	05F035	W	SW8260B	Methylene Chloride	97	101	69	118	4.0	20
RFQ195	VO05F21L/C	6/10/05	05F035	W	SW8260B	MTBE	94	103	59	129	9.1	20
RFQ195	VO05F21L/C	6/10/05	05F035	W	SW8260B	Naphthalene	86	93	65	149	7.8	20
RFQ195	VO05F21L/C	6/10/05	05F035	W	SW8260B	N-Butylbenzene	104	108	78	126	3.8	20
RFQ195	VO05F21L/C	6/10/05	05F035	W	SW8260B	N-Propylbenzene	105	107	75	127	1.9	20
RFQ195	VO05F21L/C	6/10/05	05F035	W	SW8260B	O-Xylene	102	105	82	120	2.9	20
RFQ195	VO05F21L/C	6/10/05	05F035	W	SW8260B	P-Isopropyltoluene	99	103	78	125	4.0	20

Table D5-9: Summary of LCS/LCSD Recoveries and RPDs
Parcel 186(6), Training Area T-38
McClellan, Anniston, Alabama

Analytical Batch	Lab ID	Analysis Date	Delivery Group	Matrix	Method	Parameter Name	LCS %R	LCSD %R	LCL	UCL	RPD	RPD Limit
RFQ195	VO05F21L/C	6/10/05	05F035	W	SW8260B	Sec-Butylbenzene	106	109	78	125	2.8	20
RFQ195	VO05F21L/C	6/10/05	05F035	W	SW8260B	Styrene	101	105	76	130	3.9	20
RFQ195	VO05F21L/C	6/10/05	05F035	W	SW8260B	Tert-Butylbenzene	105	107	76	125	1.9	20
RFQ195	VO05F21L/C	6/10/05	05F035	W	SW8260B	Tetrachloroethylene	100	101	80	129	1.0	20
RFQ195	VO05F21L/C	6/10/05	05F035	W	SW8260B	Toluene	102	104	80	125	1.9	20
RFQ195	VO05F21L/C	6/10/05	05F035	W	SW8260B	Trans-1,2-Dichloroethene	95	99	78	134	4.1	20
RFQ195	VO05F21L/C	6/10/05	05F035	W	SW8260B	Trans-1,3-Dichloropropene	85	92	74	131	7.9	20
RFQ195	VO05F21L/C	6/10/05	05F035	W	SW8260B	Trans-1,4-Dichloro-2-Butene	81	85	50	150	4.8	30
RFQ195	VO05F21L/C	6/10/05	05F035	W	SW8260B	Trichloroethene	97	100	67	128	3.0	20
RFQ195	VO05F21L/C	6/10/05	05F035	W	SW8260B	Trichlorofluoromethane	103	106	68	133	2.9	20
RFQ195	VO05F21L/C	6/10/05	05F035	W	SW8260B	Vinyl Acetate	114	119	36	176	4.3	20
RFQ195	VO05F21L/C	6/10/05	05F035	W	SW8260B	Vinyl Chloride	99	100	73	134	1.0	20
RFQ195	VO05F38L/C	6/18/05	05F143	W	SW8260B	1,1,1,2-Tetrachloroethane	108	97	70	130	10.7	30
RFQ195	VO05F38L/C	6/18/05	05F143	W	SW8260B	1,1,1-Trichloroethane	115	106	70	127	8.1	20
RFQ195	VO05F38L/C	6/18/05	05F143	W	SW8260B	1,1,2,2-Tetrachloroethane	103	92	68	129	11.3	20
RFQ195	VO05F38L/C	6/18/05	05F143	W	SW8260B	1,1,2-Trichloro-1,2,2-Trifluoroethane	113	104	54	154	8.3	20
RFQ195	VO05F38L/C	6/18/05	05F143	W	SW8260B	1,1,2-Trichloroethane	108	97	79	136	10.7	20
RFQ195	VO05F38L/C	6/18/05	05F143	W	SW8260B	1,1-Dichloroethane	118	108	80	133	8.8	20
RFQ195	VO05F38L/C	6/18/05	05F143	W	SW8260B	1,1-Dichloroethene	126	117	75	125	7.4	20
RFQ195	VO05F38L/C	6/18/05	05F143	W	SW8260B	1,1-Dichloropropene	118	107	76	135	9.8	20
RFQ195	VO05F38L/C	6/18/05	05F143	W	SW8260B	1,2,3-Trichlorobenzene	101	89	75	133	12.6	20
RFQ195	VO05F38L/C	6/18/05	05F143	W	SW8260B	1,2,3-Trichloropropane	107	99	65	139	7.8	20
RFQ195	VO05F38L/C	6/18/05	05F143	W	SW8260B	1,2,4-Trichlorobenzene	101	89	80	130	12.6	20
RFQ195	VO05F38L/C	6/18/05	05F143	W	SW8260B	1,2,4-Trimethylbenzene	118	110	76	123	7.0	20
RFQ195	VO05F38L/C	6/18/05	05F143	W	SW8260B	1,2-Dibromo-3-Chloropropane	92	80	75	132	14.0	20
RFQ195	VO05F38L/C	6/18/05	05F143	W	SW8260B	1,2-Dibromoethane	104	94	80	127	10.1	20
RFQ195	VO05F38L/C	6/18/05	05F143	W	SW8260B	1,2-Dichlorobenzene	107	95	73	120	11.9	20
RFQ195	VO05F38L/C	6/18/05	05F143	W	SW8260B	1,2-Dichloroethane	107	97	67	132	9.8	20
RFQ195	VO05F38L/C	6/18/05	05F143	W	SW8260B	1,2-Dichloropropane	110	100	77	127	9.5	20
RFQ195	VO05F38L/C	6/18/05	05F143	W	SW8260B	1,3,5-Trimethylbenzene	112	106	78	121	5.5	20
RFQ195	VO05F38L/C	6/18/05	05F143	W	SW8260B	1,3-Dichlorobenzene	109	99	75	122	9.6	20
RFQ195	VO05F38L/C	6/18/05	05F143	W	SW8260B	1,3-Dichloropropane	107	97	80	133	9.8	20
RFQ195	VO05F38L/C	6/18/05	05F143	W	SW8260B	1,4-Dichlorobenzene	113	104	74	123	8.3	20
RFQ195	VO05F38L/C	6/18/05	05F143	W	SW8260B	2,2-Dichloropropane	145	127	62	134	13.2	20

Table D5-9: Summary of LCS/LCSD Recoveries and RPDs
Parcel 186(6), Training Area T-38
McClellan, Anniston, Alabama

Analytical Batch	Lab ID	Analysis Date	Delivery Group	Matrix	Method	Parameter Name	LCS %R	LCSD %R	LCL	UCL	RPD	RPD Limit
RFQ195	VO05F38L/C	6/18/05	05F143	W	SW8260B	2-Butanone (MEK)	105	82	45	150	**24.6**	20
RFQ195	VO05F38L/C	6/18/05	05F143	W	SW8260B	2-Chlorotoluene	112	106	45	150	5.5	20
RFQ195	VO05F38L/C	6/18/05	05F143	W	SW8260B	2-Hexanone	103	84	79	121	**20.3**	20
RFQ195	VO05F38L/C	6/18/05	05F143	W	SW8260B	4-Chlorotoluene	109	102	73	127	6.6	20
RFQ195	VO05F38L/C	6/18/05	05F143	W	SW8260B	4-Methyl-2-Pentanone (MIBK)	105	89	59	150	16.5	20
RFQ195	VO05F38L/C	6/18/05	05F143	W	SW8260B	Acetone	102	85	51	157	18.2	20
RFQ195	VO05F38L/C	6/18/05	05F143	W	SW8260B	Acrylonitrile	107	94	50	150	12.9	30
RFQ195	VO05F38L/C	6/18/05	05F143	W	SW8260B	Benzene	107	97	79	126	9.8	20
RFQ195	VO05F38L/C	6/18/05	05F143	W	SW8260B	Bromobenzene	107	102	74	123	4.8	20
RFQ195	VO05F38L/C	6/18/05	05F143	W	SW8260B	Bromochloromethane	100	91	78	127	9.4	20
RFQ195	VO05F38L/C	6/18/05	05F143	W	SW8260B	Bromodichloromethane	112	101	70	130	10.3	20
RFQ195	VO05F38L/C	6/18/05	05F143	W	SW8260B	Bromoform	100	96	72	136	4.1	20
RFQ195	VO05F38L/C	6/18/05	05F143	W	SW8260B	Bromomethane	97	89	35	153	8.6	20
RFQ195	VO05F38L/C	6/18/05	05F143	W	SW8260B	Carbon Disulfide	116	108	74	123	7.1	20
RFQ195	VO05F38L/C	6/18/05	05F143	W	SW8260B	Carbon Tetrachloride	117	107	71	132	8.9	20
RFQ195	VO05F38L/C	6/18/05	05F143	W	SW8260B	Chlorobenzene	107	98	80	127	8.8	20
RFQ195	VO05F38L/C	6/18/05	05F143	W	SW8260B	Chloroethane	120	107	72	129	11.5	20
RFQ195	VO05F38L/C	6/18/05	05F143	W	SW8260B	Chloroform	99	92	74	127	7.3	20
RFQ195	VO05F38L/C	6/18/05	05F143	W	SW8260B	Chloromethane	109	96	58	135	12.7	20
RFQ195	VO05F38L/C	6/18/05	05F143	W	SW8260B	Cis-1,2-Dichloroethene	109	99	73	133	9.6	20
RFQ195	VO05F38L/C	6/18/05	05F143	W	SW8260B	Cis-1,3-Dichloropropene	119	108	73	132	9.7	20
RFQ195	VO05F38L/C	6/18/05	05F143	W	SW8260B	Dibromochloromethane	110	98	74	145	11.5	20
RFQ195	VO05F38L/C	6/18/05	05F143	W	SW8260B	Dibromomethane	113	93	76	132	19.4	20
RFQ195	VO05F38L/C	6/18/05	05F143	W	SW8260B	Dichlorodifluoromethane	96	86	59	134	11.0	20
RFQ195	VO05F38L/C	6/18/05	05F143	W	SW8260B	Ethylbenzene	115	104	79	120	10.0	20
RFQ195	VO05F38L/C	6/18/05	05F143	W	SW8260B	Hexachlorobutadiene	121	112	78	133	7.7	20
RFQ195	VO05F38L/C	6/18/05	05F143	W	SW8260B	Iodomethane	92	83	70	130	10.3	30
RFQ195	VO05F38L/C	6/18/05	05F143	W	SW8260B	Isopropyl Benzene	105	101	77	126	3.9	20
RFQ195	VO05F38L/C	6/18/05	05F143	W	SW8260B	M,P-Xylene	111	103	79	122	7.5	20
RFQ195	VO05F38L/C	6/18/05	05F143	W	SW8260B	Methylene Chloride	117	106	69	118	9.9	20
RFQ195	VO05F38L/C	6/18/05	05F143	W	SW8260B	MTBE	116	102	59	129	12.8	20
RFQ195	VO05F38L/C	6/18/05	05F143	W	SW8260B	Naphthalene	92	79	65	149	15.2	20
RFQ195	VO05F38L/C	6/18/05	05F143	W	SW8260B	N-Butylbenzene	119	106	78	126	11.6	20
RFQ195	VO05F38L/C	6/18/05	05F143	W	SW8260B	N-Propylbenzene	114	110	75	127	3.6	20

Table D5-9: Summary of LCS/LCSD Recoveries and RPDs
Parcel 186(6), Training Area T-38
McClellan, Anniston, Alabama

Analytical Batch	Lab ID	Analysis Date	Delivery Group	Matrix	Method	Parameter Name	LCS %R	LCSD %R	LCL	UCL	RPD	RPD Limit
RFQ195	VO05F38L/C	6/18/05	05F143	W	SW8260B	O-Xylene	113	103	82	120	9.3	20
RFQ195	VO05F38L/C	6/18/05	05F143	W	SW8260B	P-Isopropyltoluene	113	104	78	125	8.3	20
RFQ195	VO05F38L/C	6/18/05	05F143	W	SW8260B	Sec-Butylbenzene	119	111	78	125	7.0	20
RFQ195	VO05F38L/C	6/18/05	05F143	W	SW8260B	Styrene	111	102	76	130	8.5	20
RFQ195	VO05F38L/C	6/18/05	05F143	W	SW8260B	Tert-Butylbenzene	115	110	76	125	4.4	20
RFQ195	VO05F38L/C	6/18/05	05F143	W	SW8260B	Tetrachloroethylene	109	102	80	129	6.6	20
RFQ195	VO05F38L/C	6/18/05	05F143	W	SW8260B	Toluene	111	104	80	125	6.5	20
RFQ195	VO05F38L/C	6/18/05	05F143	W	SW8260B	Trans-1,2-Dichloroethene	118	108	78	134	8.8	20
RFQ195	VO05F38L/C	6/18/05	05F143	W	SW8260B	Trans-1,3-Dichloropropene	99	89	74	131	10.6	20
RFQ195	VO05F38L/C	6/18/05	05F143	W	SW8260B	Trans-1,4-Dichloro-2-Butene	97	87	50	150	10.9	30
RFQ195	VO05F38L/C	6/18/05	05F143	W	SW8260B	Trichloroethene	109	99	67	128	9.6	20
RFQ195	VO05F38L/C	6/18/05	05F143	W	SW8260B	Trichlorofluoromethane	120	108	68	133	10.5	20
RFQ195	VO05F38L/C	6/18/05	05F143	W	SW8260B	Vinyl Acetate	153	132	36	176	14.7	20
RFQ195	VO05F38L/C	6/18/05	05F143	W	SW8260B	Vinyl Chloride	116	104	73	134	10.9	20

Notes:
LCL = Lower control limit
LCS = Laboratory control sample
LCSD = Laboratory control sample duplicate
RPD = Relative percent difference
UCL = Upper control limit
W = Water
%R = Percent recovery

Indicates the value is greater than the UCL.

Table D5-10: Data Qualifiers Due to Surrogate Recovery Outliers
Parcel 186(6), Training Area T-38
McClellan, Anniston, Alabama

Station Name	Matrix	QC Code	Delivery Group	Method	Parameter Name	Value	Lab Flag	Validation Code	Reporting Units	MDL	RL
CWM-186-MW26	WG	NS	05F035	SW8260B	1,1,1,2-Tetrachloroethane	2.1	V	(JS)	µg/L	0.2	1
CWM-186-MW26	WG	NS	05F035	SW8260B	1,1,2-Trichloroethane	25	V	(JS)	µg/L	0.2	1
CWM-186-MW26	WG	NS	05F035	SW8260B	1,1-Dichloroethene	3.5	V	(JS)	µg/L	0.2	1
CWM-186-MW26	WG	NS	05F035	SW8260B	1,2-Dichloroethane	0.73	J	(JS)	µg/L	0.2	1
CWM-186-MW26	WG	NS	05F035	SW8260B	Benzene	0.48	J	(JS)	µg/L	0.2	1
CWM-186-MW26	WG	NS	05F035	SW8260B	Chlorobenzene	0.32	J	(JS)	µg/L	0.2	1
CWM-186-MW26	WG	NS	05F035	SW8260B	Vinyl Chloride	12	V	(JS)	µg/L	0.2	1
CWM-186-MW53	WG	NS	05F035	SW8260B	1,1,1,2-Tetrachloroethane	2.4	V	(JS)	µg/L	0.2	1
CWM-186-MW53	WG	NS	05F035	SW8260B	1,1,2-Trichloroethane	8.3	V	(JS)	µg/L	0.2	1
CWM-186-MW53	WG	NS	05F035	SW8260B	1,1-Dichloroethene	0.65	J	(JS)	µg/L	0.2	1
CWM-186-MW53	WG	NS	05F035	SW8260B	1,2-Dichloroethane	2.3	V	(JS)	µg/L	0.2	1
CWM-186-MW53	WG	NS	05F035	SW8260B	Benzene	0.5	J	(JS)	µg/L	0.2	1
CWM-186-MW53	WG	NS	05F035	SW8260B	Carbon Tetrachloride	23	V	(JS)	µg/L	0.2	1
CWM-186-MW53	WG	NS	05F035	SW8260B	Chloroform	40	V	(JS)	µg/L	0.2	1

Notes:
MDL = Method detection limit
µg/L = micrograms per liter
NS = Normal sample
QC = Quality control
RL = Reporting limit
WG = Ground water

Lab Flags:
V = Detected value.
J = Estimated value. The analyte is positively identified and the concentration is less than the reporting limit (RL) but greater than the method detection limit (MDL).

Validation codes consist of a validation qualifier and sub-qualifier(s) and are delineated with parenthesis.
Validation Qualifiers:
J = Estimated detection. The associated numerical value is the approximate concentration of the analyte in the sample.
Validation Sub-qualifiers:
S = Surrogate recovery was outside laboratory historical control limits.

Table D5-11: Summary of Surrogate Recoveries
Parcel 186(6), Training Area T-38
McClellan, Anniston, Alabama

Station Name	Matrix	QC Code	Delivery Group	Method	Parameter Name	%R	LCL	UCL
CWM-186-MW03	WG	NS	05F177	SW8260B	1,2-Dichloroethane-D4	93	63	132
CWM-186-MW03	WG	NS	05F177	SW8260B	4-Bromofluorobenzene	102	73	129
CWM-186-MW03	WG	NS	05F177	SW8260B	Toluene-D8	102	75	122
CWM-186-MW05	WG	NS	05F177	SW8260B	1,2-Dichloroethane-D4	94	63	132
CWM-186-MW05	WG	NS	05F177	SW8260B	4-Bromofluorobenzene	104	73	129
CWM-186-MW05	WG	NS	05F177	SW8260B	Toluene-D8	103	75	122
CWM-186-MW08	WG	NS	05F143	SW8260B	1,2-Dichloroethane-D4	107	63	132
CWM-186-MW08	WG	NS	05F143	SW8260B	4-Bromofluorobenzene	111	73	129
CWM-186-MW08	WG	NS	05F143	SW8260B	Toluene-D8	103	75	122
CWM-186-MW10	WG	NS	05F134	SW8260B	1,2-Dichloroethane-D4	102	63	132
CWM-186-MW10	WG	NS	05F134	SW8260B	4-Bromofluorobenzene	100	73	129
CWM-186-MW10	WG	NS	05F134	SW8260B	Toluene-D8	103	75	122
CWM-186-MW14	WG	NS	05F165	SW8260B	1,2-Dichloroethane-D4	100	63	132
CWM-186-MW14	WG	NS	05F165	SW8260B	4-Bromofluorobenzene	102	73	129
CWM-186-MW14	WG	NS	05F165	SW8260B	Toluene-D8	102	75	122
CWM-186-MW15	WG	NS	05F165	SW8260B	1,2-Dichloroethane-D4	101	63	132
CWM-186-MW15	WG	NS	05F165	SW8260B	4-Bromofluorobenzene	100	73	129
CWM-186-MW15	WG	NS	05F165	SW8260B	Toluene-D8	101	75	122
CWM-186-MW16	WG	NS	05F165	SW8260B	1,2-Dichloroethane-D4	100	63	132
CWM-186-MW16	WG	NS	05F165	SW8260B	4-Bromofluorobenzene	98	73	129
CWM-186-MW16	WG	NS	05F165	SW8260B	Toluene-D8	100	75	122
CWM-186-MW18	WG	NS	05F117	SW8260B	1,2-Dichloroethane-D4	108	63	132
CWM-186-MW18	WG	NS	05F117	SW8260B	4-Bromofluorobenzene	98	73	129
CWM-186-MW18	WG	NS	05F117	SW8260B	Toluene-D8	102	75	122
CWM-186-MW19	WG	NS	05F117	SW8260B	1,2-Dichloroethane-D4	107	63	132
CWM-186-MW19	WG	NS	05F117	SW8260B	4-Bromofluorobenzene	98	73	129
CWM-186-MW19	WG	NS	05F117	SW8260B	Toluene-D8	104	75	122
CWM-186-MW20	WG	NS	05F165	SW8260B	1,2-Dichloroethane-D4	99	63	132
CWM-186-MW20	WG	NS	05F165	SW8260B	4-Bromofluorobenzene	100	73	129
CWM-186-MW20	WG	NS	05F165	SW8260B	Toluene-D8	102	75	122
CWM-186-MW21	WG	NS	05F143	SW8260B	1,2-Dichloroethane-D4	108	63	132
CWM-186-MW21	WG	NS	05F143	SW8260B	4-Bromofluorobenzene	111	73	129
CWM-186-MW21	WG	NS	05F143	SW8260B	Toluene-D8	100	75	122

Table D5-11: Summary of Surrogate Recoveries
Parcel 186(6), Training Area T-38
McClellan, Anniston, Alabama

Station Name	Matrix	QC Code	Delivery Group	Method	Parameter Name	%R	LCL	UCL
CWM-186-MW23	WG	NS	05F130	SW8260B	1,2-Dichloroethane-D4	105	63	132
CWM-186-MW23	WG	NS	05F130	SW8260B	4-Bromofluorobenzene	98	73	129
CWM-186-MW23	WG	NS	05F130	SW8260B	Toluene-D8	103	75	122
CWM-186-MW24	WG	NS	05F134	SW8260B	1,2-Dichloroethane-D4	97	63	132
CWM-186-MW24	WG	NS	05F134	SW8260B	4-Bromofluorobenzene	100	73	129
CWM-186-MW24	WG	NS	05F134	SW8260B	Toluene-D8	103	75	122
CWM-186-MW25	WG	NS	05F035	SW8260B	1,2-Dichloroethane-D4	109	63	132
CWM-186-MW25	WG	NS	05F035	SW8260B	4-Bromofluorobenzene	112	73	129
CWM-186-MW25	WG	NS	05F035	SW8260B	Toluene-D8	102	75	122
CWM-186-MW26	WG	NS	05F035	SW8260B	1,2-Dichloroethane-D4	111	63	132
CWM-186-MW26	WG	NS	05F035	SW8260B	4-Bromofluorobenzene	**1120**	73	129
CWM-186-MW26	WG	NS	05F035	SW8260B	Toluene-D8	92	75	122
CWM-186-MW28	WG	NS	05F107	SW8260B	1,2-Dichloroethane-D4	105	63	132
CWM-186-MW28	WG	NS	05F107	SW8260B	4-Bromofluorobenzene	98	73	129
CWM-186-MW28	WG	NS	05F107	SW8260B	Toluene-D8	103	75	122
CWM-186-MW29	WG	NS	05F107	SW8260B	1,2-Dichloroethane-D4	106	63	132
CWM-186-MW29	WG	NS	05F107	SW8260B	4-Bromofluorobenzene	97	73	129
CWM-186-MW29	WG	NS	05F107	SW8260B	Toluene-D8	102	75	122
CWM-186-MW30	WG	NS	05F143	SW8260B	1,2-Dichloroethane-D4	108	63	132
CWM-186-MW30	WG	NS	05F143	SW8260B	4-Bromofluorobenzene	111	73	129
CWM-186-MW30	WG	NS	05F143	SW8260B	Toluene-D8	101	75	122
CWM-186-MW32	WG	NS	05F050	SW8260B	1,2-Dichloroethane-D4	107	63	132
CWM-186-MW32	WG	NS	05F050	SW8260B	4-Bromofluorobenzene	106	73	129
CWM-186-MW32	WG	NS	05F050	SW8260B	Toluene-D8	102	75	122
CWM-186-MW34	WG	NS	05F188	SW8260B	1,2-Dichloroethane-D4	93	63	132
CWM-186-MW34	WG	NS	05F188	SW8260B	4-Bromofluorobenzene	101	73	129
CWM-186-MW34	WG	NS	05F188	SW8260B	Toluene-D8	100	75	122
CWM-186-MW35	WG	NS	05F143	SW8260B	1,2-Dichloroethane-D4	104	63	132
CWM-186-MW35	WG	NS	05F143	SW8260B	4-Bromofluorobenzene	112	73	129
CWM-186-MW35	WG	NS	05F143	SW8260B	Toluene-D8	103	75	122
CWM-186-MW37	WG	NS	05F130	SW8260B	1,2-Dichloroethane-D4	107	63	132
CWM-186-MW37	WG	NS	05F130	SW8260B	4-Bromofluorobenzene	102	73	129
CWM-186-MW37	WG	NS	05F130	SW8260B	Toluene-D8	103	75	122

Table D5-11: Summary of Surrogate Recoveries
Parcel 186(6), Training Area T-38
McClellan, Anniston, Alabama

Station Name	Matrix	QC Code	Delivery Group	Method	Parameter Name	%R	LCL	UCL
CWM-186-MW39	WG	NS	05F076	SW8260B	1,2-Dichloroethane-D4	102	63	132
CWM-186-MW39	WG	NS	05F076	SW8260B	4-Bromofluorobenzene	111	73	129
CWM-186-MW39	WG	NS	05F076	SW8260B	Toluene-D8	106	75	122
CWM-186-MW40	WG	NS	05F088	SW8260B	1,2-Dichloroethane-D4	108	63	132
CWM-186-MW40	WG	NS	05F088	SW8260B	4-Bromofluorobenzene	112	73	129
CWM-186-MW40	WG	NS	05F088	SW8260B	Toluene-D8	103	75	122
CWM-186-MW40	WG	FD	05F088	SW8260B	1,2-Dichloroethane-D4	109	63	132
CWM-186-MW40	WG	FD	05F088	SW8260B	4-Bromofluorobenzene	113	73	129
CWM-186-MW40	WG	FD	05F088	SW8260B	Toluene-D8	104	75	122
CWM-186-MW45	WG	NS	05F076	SW8260B	1,2-Dichloroethane-D4	104	63	132
CWM-186-MW45	WG	NS	05F076	SW8260B	4-Bromofluorobenzene	106	73	129
CWM-186-MW45	WG	NS	05F076	SW8260B	Toluene-D8	108	75	122
CWM-186-MW46	WG	NS	05F050	SW8260B	1,2-Dichloroethane-D4	109	63	132
CWM-186-MW46	WG	NS	05F050	SW8260B	4-Bromofluorobenzene	108	73	129
CWM-186-MW46	WG	NS	05F050	SW8260B	Toluene-D8	101	75	122
CWM-186-MW47	WG	NS	05F050	SW8260B	1,2-Dichloroethane-D4	104	63	132
CWM-186-MW47	WG	NS	05F050	SW8260B	4-Bromofluorobenzene	107	73	129
CWM-186-MW47	WG	NS	05F050	SW8260B	Toluene-D8	104	75	122
CWM-186-MW48	WG	NS	05F050	SW8260B	1,2-Dichloroethane-D4	104	63	132
CWM-186-MW48	WG	NS	05F050	SW8260B	4-Bromofluorobenzene	105	73	129
CWM-186-MW48	WG	NS	05F050	SW8260B	Toluene-D8	105	75	122
CWM-186-MW51	WG	NS	05F107	SW8260B	1,2-Dichloroethane-D4	103	63	132
CWM-186-MW51	WG	NS	05F107	SW8260B	4-Bromofluorobenzene	102	73	129
CWM-186-MW51	WG	NS	05F107	SW8260B	Toluene-D8	103	75	122
CWM-186-MW52	WG	NS	05F088	SW8260B	1,2-Dichloroethane-D4	113	63	132
CWM-186-MW52	WG	NS	05F088	SW8260B	4-Bromofluorobenzene	104	73	129
CWM-186-MW52	WG	NS	05F088	SW8260B	Toluene-D8	106	75	122
CWM-186-MW53	WG	NS	05F035	SW8260B	1,2-Dichloroethane-D4	111	63	132
CWM-186-MW53	WG	NS	05F035	SW8260B	4-Bromofluorobenzene	**973**	73	129
CWM-186-MW53	WG	NS	05F035	SW8260B	Toluene-D8	101	75	122
CWM-186-MW54	WG	NS	05F117	SW8260B	1,2-Dichloroethane-D4	109	63	132
CWM-186-MW54	WG	NS	05F117	SW8260B	4-Bromofluorobenzene	99	73	129
CWM-186-MW54	WG	NS	05F117	SW8260B	Toluene-D8	103	75	122

Table D5-11: Summary of Surrogate Recoveries
Parcel 186(6), Training Area T-38
McClellan, Anniston, Alabama

Station Name	Matrix	QC Code	Delivery Group	Method	Parameter Name	%R	LCL	UCL
CWM-186-MW56	WG	NS	05F177	SW8260B	1,2-Dichloroethane-D4	94	63	132
CWM-186-MW56	WG	NS	05F177	SW8260B	4-Bromofluorobenzene	103	73	129
CWM-186-MW56	WG	NS	05F177	SW8260B	Toluene-D8	103	75	122
CWM-186-MW56	WG	FD	05F177	SW8260B	1,2-Dichloroethane-D4	94	63	132
CWM-186-MW56	WG	FD	05F177	SW8260B	4-Bromofluorobenzene	101	73	129
CWM-186-MW56	WG	FD	05F177	SW8260B	Toluene-D8	102	75	122
CWM-186-MW57	WG	NS	05F177	SW8260B	1,2-Dichloroethane-D4	94	63	132
CWM-186-MW57	WG	NS	05F177	SW8260B	4-Bromofluorobenzene	101	73	129
CWM-186-MW57	WG	NS	05F177	SW8260B	Toluene-D8	103	75	122
CWM-186-MW58	WG	NS	05F134	SW8260B	1,2-Dichloroethane-D4	103	63	132
CWM-186-MW58	WG	NS	05F134	SW8260B	4-Bromofluorobenzene	99	73	129
CWM-186-MW58	WG	NS	05F134	SW8260B	Toluene-D8	103	75	122
CWM-186-MW59	WG	NS	05F134	SW8260B	1,2-Dichloroethane-D4	101	63	132
CWM-186-MW59	WG	NS	05F134	SW8260B	4-Bromofluorobenzene	101	73	129
CWM-186-MW59	WG	NS	05F134	SW8260B	Toluene-D8	102	75	122
CWM-186-SEEP01	SP	NS	05F188	SW8260B	1,2-Dichloroethane-D4	96	63	132
CWM-186-SEEP01	SP	NS	05F188	SW8260B	4-Bromofluorobenzene	101	73	129
CWM-186-SEEP01	SP	NS	05F188	SW8260B	Toluene-D8	100	75	122
CWM-186-SEEP02	SP	NS	05F188	SW8260B	1,2-Dichloroethane-D4	91	63	132
CWM-186-SEEP02	SP	NS	05F188	SW8260B	4-Bromofluorobenzene	103	73	129
CWM-186-SEEP02	SP	NS	05F188	SW8260B	Toluene-D8	103	75	122
CWM-186-SEEP03	SP	NS	05F188	SW8260B	1,2-Dichloroethane-D4	93	63	132
CWM-186-SEEP03	SP	NS	05F188	SW8260B	4-Bromofluorobenzene	102	73	129
CWM-186-SEEP03	SP	NS	05F188	SW8260B	Toluene-D8	102	75	122
CWM-186-SEEP03	SP	FD	05F188	SW8260B	1,2-Dichloroethane-D4	93	63	132
CWM-186-SEEP03	SP	FD	05F188	SW8260B	4-Bromofluorobenzene	103	73	129
CWM-186-SEEP03	SP	FD	05F188	SW8260B	Toluene-D8	100	75	122
CWM-186-SEEP04	SP	NS	05F188	SW8260B	1,2-Dichloroethane-D4	88	63	132
CWM-186-SEEP04	SP	NS	05F188	SW8260B	4-Bromofluorobenzene	104	73	129
CWM-186-SEEP04	SP	NS	05F188	SW8260B	Toluene-D8	103	75	122
CWM-186-SW07	SW	NS	05F188	SW8260B	1,2-Dichloroethane-D4	91	63	132
CWM-186-SW07	SW	NS	05F188	SW8260B	4-Bromofluorobenzene	101	73	129
CWM-186-SW07	SW	NS	05F188	SW8260B	Toluene-D8	102	75	122

Table D5-11: Summary of Surrogate Recoveries
Parcel 186(6), Training Area T-38
McClellan, Anniston, Alabama

Station Name	Matrix	QC Code	Delivery Group	Method	Parameter Name	%R	LCL	UCL
CWM-186-SW08	SW	NS	05F188	SW8260B	1,2-Dichloroethane-D4	94	63	132
CWM-186-SW08	SW	NS	05F188	SW8260B	4-Bromofluorobenzene	102	73	129
CWM-186-SW08	SW	NS	05F188	SW8260B	Toluene-D8	102	75	122
CWM-186-SW09	SW	NS	05F188	SW8260B	1,2-Dichloroethane-D4	91	63	132
CWM-186-SW09	SW	NS	05F188	SW8260B	4-Bromofluorobenzene	101	73	129
CWM-186-SW09	SW	NS	05F188	SW8260B	Toluene-D8	102	75	122
EQUIPMENT BLANK	W	EB	05F143	SW8260B	1,2-Dichloroethane-D4	108	63	132
EQUIPMENT BLANK	W	EB	05F143	SW8260B	4-Bromofluorobenzene	113	73	129
EQUIPMENT BLANK	W	EB	05F143	SW8260B	Toluene-D8	102	75	122
EQUIPMENT BLANK	W	EB	05F177	SW8260B	1,2-Dichloroethane-D4	93	63	132
EQUIPMENT BLANK	W	EB	05F177	SW8260B	4-Bromofluorobenzene	99	73	129
EQUIPMENT BLANK	W	EB	05F177	SW8260B	Toluene-D8	101	75	122
MATERIAL BLANK	W	EB	05F188	SW8260B	1,2-Dichloroethane-D4	94	63	132
MATERIAL BLANK	W	EB	05F188	SW8260B	1,2-Dichloroethane-D4	94	63	132
MATERIAL BLANK	W	EB	05F188	SW8260B	4-Bromofluorobenzene	100	73	129
MATERIAL BLANK	W	EB	05F188	SW8260B	4-Bromofluorobenzene	102	73	129
MATERIAL BLANK	W	EB	05F188	SW8260B	Toluene-D8	101	75	122
MATERIAL BLANK	W	EB	05F188	SW8260B	Toluene-D8	101	75	122
TRIP BLANK	W	TB	05F076	SW8260B	1,2-Dichloroethane-D4	111	63	132
TRIP BLANK	W	TB	05F076	SW8260B	4-Bromofluorobenzene	105	73	129
TRIP BLANK	W	TB	05F076	SW8260B	Toluene-D8	107	75	122
TRIP BLANK	W	TB	05F088	SW8260B	1,2-Dichloroethane-D4	115	63	132
TRIP BLANK	W	TB	05F088	SW8260B	4-Bromofluorobenzene	103	73	129
TRIP BLANK	W	TB	05F088	SW8260B	Toluene-D8	106	75	122
TRIP BLANK	W	TB	05F107	SW8260B	1,2-Dichloroethane-D4	115	63	132
TRIP BLANK	W	TB	05F107	SW8260B	4-Bromofluorobenzene	103	73	129
TRIP BLANK	W	TB	05F107	SW8260B	Toluene-D8	104	75	122
TRIP BLANK	W	TB	05F117	SW8260B	1,2-Dichloroethane-D4	105	63	132
TRIP BLANK	W	TB	05F117	SW8260B	4-Bromofluorobenzene	101	73	129
TRIP BLANK	W	TB	05F117	SW8260B	Toluene-D8	103	75	122
TRIP BLANK	W	TB	05F130	SW8260B	1,2-Dichloroethane-D4	109	63	132
TRIP BLANK	W	TB	05F130	SW8260B	4-Bromofluorobenzene	98	73	129
TRIP BLANK	W	TB	05F130	SW8260B	Toluene-D8	102	75	122

Table D5-11: Summary of Surrogate Recoveries
Parcel 186(6), Training Area T-38
McClellan, Anniston, Alabama

Station Name	Matrix	QC Code	Delivery Group	Method	Parameter Name	%R	LCL	UCL
TRIP BLANK	W	TB	05F134	SW8260B	1,2-Dichloroethane-D4	106	63	132
TRIP BLANK	W	TB	05F134	SW8260B	4-Bromofluorobenzene	99	73	129
TRIP BLANK	W	TB	05F134	SW8260B	Toluene-D8	102	75	122
TRIP BLANK	W	TB	05F143	SW8260B	1,2-Dichloroethane-D4	100	63	132
TRIP BLANK	W	TB	05F143	SW8260B	4-Bromofluorobenzene	111	73	129
TRIP BLANK	W	TB	05F143	SW8260B	Toluene-D8	102	75	122
TRIP BLANK	W	TB	05F165	SW8260B	1,2-Dichloroethane-D4	103	63	132
TRIP BLANK	W	TB	05F165	SW8260B	4-Bromofluorobenzene	99	73	129
TRIP BLANK	W	TB	05F165	SW8260B	Toluene-D8	103	75	122
TRIP BLANK	W	TB	05F177	SW8260B	1,2-Dichloroethane-D4	94	63	132
TRIP BLANK	W	TB	05F177	SW8260B	4-Bromofluorobenzene	103	73	129
TRIP BLANK	W	TB	05F177	SW8260B	Toluene-D8	102	75	122
TRIP BLANK	W	TB	05F188	SW8260B	1,2-Dichloroethane-D4	92	63	132
TRIP BLANK	W	TB	05F188	SW8260B	4-Bromofluorobenzene	101	73	129
TRIP BLANK	W	TB	05F188	SW8260B	Toluene-D8	100	75	122

Notes:
EB = Equipment blank
FD = Field duplicate
LCL = Lower control limit
NS = Normal sample
QC = Quality control
%R = Percent recovery
RPD = Relative percent difference
SP = Seep
SW = Surface water
TB = Trip blank
UCL = Upper control limit
W = Water
WG = Ground water

Indicates the value is greater than the UCL.

Table D5-12: Data Qualifiers Due to Initial Calibration Outliers
Parcel 186(6), Training Area T-38
McClellan, Anniston, Alabama

Station Name	Matrix	QC Code	Delivery Group	Method	Parameter Name	Value	Lab Flag	Validation Code	Reporting Units	MDL	RL
CWM-186-MW03	WG	NS	05F177	SW8260B	Trans-1,4-Dichloro-2-butene	1	U	(UJI)	µg/L	0.5	1
CWM-186-MW05	WG	NS	05F177	SW8260B	Trans-1,4-Dichloro-2-butene	1	U	(UJI)	µg/L	0.5	1
CWM-186-MW10	WG	NS	05F134	SW8260B	Trans-1,4-Dichloro-2-butene	1	U	(UJIC)	µg/L	0.5	1
CWM-186-MW14	WG	NS	05F165	SW8260B	Trans-1,4-Dichloro-2-butene	1	U	(UJIC)	µg/L	0.5	1
CWM-186-MW15	WG	NS	05F165	SW8260B	Trans-1,4-Dichloro-2-butene	1	U	(UJIC)	µg/L	0.5	1
CWM-186-MW16	WG	NS	05F165	SW8260B	Trans-1,4-Dichloro-2-butene	1	U	(UJI)	µg/L	0.5	1
CWM-186-MW18	WG	NS	05F117	SW8260B	Trans-1,4-Dichloro-2-butene	1	U	(UJI)	µg/L	0.5	1
CWM-186-MW19	WG	NS	05F117	SW8260B	Trans-1,4-Dichloro-2-butene	1	U	(UJI)	µg/L	0.5	1
CWM-186-MW20	WG	NS	05F165	SW8260B	Trans-1,4-Dichloro-2-butene	1	U	(UJIC)	µg/L	0.5	1
CWM-186-MW23	WG	NS	05F130	SW8260B	Trans-1,4-Dichloro-2-butene	1	U	(UJI)	µg/L	0.5	1
CWM-186-MW24	WG	NS	05F134	SW8260B	Trans-1,4-Dichloro-2-butene	1	U	(UJIC)	µg/L	0.5	1
CWM-186-MW28	WG	NS	05F107	SW8260B	Trans-1,4-Dichloro-2-butene	1	U	(UJI)	µg/L	0.5	1
CWM-186-MW29	WG	NS	05F107	SW8260B	Trans-1,4-Dichloro-2-butene	1	U	(UJI)	µg/L	0.5	1
CWM-186-MW32	WG	NS	05F050	SW8260B	Trans-1,4-Dichloro-2-butene	1	U	(UJI)	µg/L	0.5	1
CWM-186-MW34	WG	NS	05F188	SW8260B	Trans-1,4-Dichloro-2-butene	1	U	(UJI)	µg/L	0.5	1
CWM-186-MW37	WG	NS	05F130	SW8260B	Trans-1,4-Dichloro-2-butene	1	U	(UJI)	µg/L	0.5	1
CWM-186-MW39	WG	NS	05F076	SW8260B	Trans-1,4-Dichloro-2-butene	1	U	(UJI)	µg/L	0.5	1
CWM-186-MW40	WG	NS	05F088	SW8260B	Trans-1,4-Dichloro-2-butene	1	U	(UJI)	µg/L	0.5	1
CWM-186-MW40	WG	FD	05F088	SW8260B	Trans-1,4-Dichloro-2-butene	1	U	(UJI)	µg/L	0.5	1
CWM-186-MW45	WG	NS	05F076	SW8260B	Trans-1,4-Dichloro-2-butene	1	U	(UJI)	µg/L	0.5	1
CWM-186-MW46	WG	NS	05F050	SW8260B	Trans-1,4-Dichloro-2-butene	1	U	(UJI)	µg/L	0.5	1
CWM-186-MW47	WG	NS	05F050	SW8260B	Trans-1,4-Dichloro-2-butene	1	U	(UJI)	µg/L	0.5	1
CWM-186-MW48	WG	NS	05F050	SW8260B	Trans-1,4-Dichloro-2-butene	1	U	(UJI)	µg/L	0.5	1
CWM-186-MW51	WG	NS	05F107	SW8260B	Trans-1,4-Dichloro-2-butene	1	U	(UJI)	µg/L	0.5	1
CWM-186-MW52	WG	NS	05F088	SW8260B	Trans-1,4-Dichloro-2-butene	1	U	(UJI)	µg/L	0.5	1
CWM-186-MW54	WG	NS	05F117	SW8260B	Trans-1,4-Dichloro-2-butene	1	U	(UJI)	µg/L	0.5	1
CWM-186-MW56	WG	NS	05F177	SW8260B	Trans-1,4-Dichloro-2-butene	1	U	(UJI)	µg/L	0.5	1
CWM-186-MW56	WG	FD	05F177	SW8260B	Trans-1,4-Dichloro-2-butene	1	U	(UJI)	µg/L	0.5	1
CWM-186-MW57	WG	NS	05F177	SW8260B	Trans-1,4-Dichloro-2-butene	1	U	(UJI)	µg/L	0.5	1
CWM-186-MW58	WG	NS	05F134	SW8260B	Trans-1,4-Dichloro-2-butene	1	U	(UJIC)	µg/L	0.5	1
CWM-186-MW59	WG	NS	05F134	SW8260B	Trans-1,4-Dichloro-2-butene	1	U	(UJIC)	µg/L	0.5	1
CWM-186-SEEP01	SP	NS	05F188	SW8260B	Trans-1,4-Dichloro-2-butene	1	U	(UJI)	µg/L	0.5	1
CWM-186-SEEP02	SP	NS	05F188	SW8260B	Trans-1,4-Dichloro-2-butene	1	U	(UJI)	µg/L	0.5	1
CWM-186-SEEP03	SP	NS	05F188	SW8260B	Trans-1,4-Dichloro-2-butene	1	U	(UJI)	µg/L	0.5	1

Table D5-12: Data Qualifiers Due to Initial Calibration Outliers
Parcel 186(6), Training Area T-38
McClellan, Anniston, Alabama

Station Name	Matrix	QC Code	Delivery Group	Method	Parameter Name	Value	Lab Flag	Validation Code	Reporting Units	MDL	RL
CWM-186-SEEP03	SP	FD	05F188	SW8260B	Trans-1,4-Dichloro-2-butene	1	U	(UJI)	µg/L	0.5	1
CWM-186-SEEP04	SP	NS	05F188	SW8260B	Trans-1,4-Dichloro-2-butene	1	U	(UJI)	µg/L	0.5	1
CWM-186-SW07	SW	NS	05F188	SW8260B	Trans-1,4-Dichloro-2-butene	1	U	(UJI)	µg/L	0.5	1
CWM-186-SW08	SW	NS	05F188	SW8260B	Trans-1,4-Dichloro-2-butene	1	U	(UJI)	µg/L	0.5	1
CWM-186-SW09	SW	NS	05F188	SW8260B	Trans-1,4-Dichloro-2-butene	1	U	(UJI)	µg/L	0.5	1
EQUIPMENT BLANK	W	EB	05F177	SW8260B	Trans-1,4-Dichloro-2-butene	1	U	(UJI)	µg/L	0.5	1
MATERIAL BLANK	W	EB	05F188	SW8260B	Trans-1,4-Dichloro-2-butene	1	U	(UJI)	µg/L	0.5	1
MATERIAL BLANK	W	EB	05F188	SW8260B	Trans-1,4-Dichloro-2-butene	1	U	(UJI)	µg/L	0.5	1
TRIP BLANK	W	TB	05F117	SW8260B	Trans-1,4-Dichloro-2-butene	1	U	(UJI)	µg/L	0.5	1
TRIP BLANK	W	TB	05F177	SW8260B	Trans-1,4-Dichloro-2-butene	1	U	(UJI)	µg/L	0.5	1
TRIP BLANK	W	TB	05F134	SW8260B	Trans-1,4-Dichloro-2-butene	1	U	(UJIC)	µg/L	0.5	1
TRIP BLANK	W	TB	05F165	SW8260B	Trans-1,4-Dichloro-2-butene	1	U	(UJI)	µg/L	0.5	1
TRIP BLANK	W	TB	05F130	SW8260B	Trans-1,4-Dichloro-2-butene	1	U	(UJI)	µg/L	0.5	1
TRIP BLANK	W	TB	05F088	SW8260B	Trans-1,4-Dichloro-2-butene	1	U	(UJI)	µg/L	0.5	1
TRIP BLANK	W	TB	05F076	SW8260B	Trans-1,4-Dichloro-2-butene	1	U	(UJI)	µg/L	0.5	1
TRIP BLANK	W	TB	05F188	SW8260B	Trans-1,4-Dichloro-2-butene	1	U	(UJI)	µg/L	0.5	1
TRIP BLANK	W	TB	05F107	SW8260B	Trans-1,4-Dichloro-2-butene	1	U	(UJI)	µg/L	0.5	1

Notes:

EB = Equipment blank
FD = Field duplicate
MDL = Method detection limit
µg/L = micrograms per liter
NS = Normal sample
SP = Seep
QC = Quality control
RL = Reporting limit
TB = Trip blank
W = Water
WG = Ground water

Lab Flags:

U = Analyte is not detected above the RL.

Validation codes consist of a validation qualifier and sub-qualifier(s) and are delineated with parenthesis.

Validation Qualifiers:

UJ = Analyte was analyzed for, but was not detected. The reported quantitation limit is estimated.

Validation Sub-qualifiers:

I = Initial calibration was outside method-specific control limits.
C = Continuing calibration was outside method-specific control limits.

Table D5-13: Data Qualifiers Due to Continuing Calibration Outliers
Parcel 186(6), Training Area T-38
McClellan, Anniston, Alabama

Station Name	Matrix	QC Code	Delivery Group	Method	Parameter Name	Value	Lab Flag	Validation Code	Reporting Units	MDL	RL
CWM-186-MW03	WG	NS	05F177	SW8260B	Carbon Disulfide	1	U	(UJC)	µg/L	0.2	1
CWM-186-MW05	WG	NS	05F177	SW8260B	Carbon Disulfide	1	U	(UJC)	µg/L	0.2	1
CWM-186-MW08	WG	NS	05F143	SW8260B	2,2-Dichloropropane	1	U	(UJC)	µg/L	0.2	1
CWM-186-MW08	WG	NS	05F143	SW8260B	Vinyl Acetate	2	U	(UJC)	µg/L	0.7	2
CWM-186-MW10	WG	NS	05F134	SW8260B	Trans-1,4-Dichloro-2-Butene	1	U	(UJIC)	µg/L	0.5	1
CWM-186-MW14	WG	NS	05F165	SW8260B	Trans-1,4-Dichloro-2-Butene	1	U	(UJIC)	µg/L	0.5	1
CWM-186-MW15	WG	NS	05F165	SW8260B	Trans-1,4-Dichloro-2-Butene	1	U	(UJIC)	µg/L	0.5	1
CWM-186-MW16	WG	NS	05F165	SW8260B	Bromomethane	2	U	(UJC)	µg/L	0.2	2
CWM-186-MW20	WG	NS	05F165	SW8260B	Trans-1,4-Dichloro-2-Butene	1	U	(UJIC)	µg/L	0.5	1
CWM-186-MW21	WG	NS	05F143	SW8260B	2,2-Dichloropropane	1	U	(UJC)	µg/L	0.2	1
CWM-186-MW21	WG	NS	05F143	SW8260B	Vinyl Acetate	2	U	(UJC)	µg/L	0.7	2
CWM-186-MW24	WG	NS	05F134	SW8260B	Trans-1,4-Dichloro-2-Butene	1	U	(UJIC)	µg/L	0.5	1
CWM-186-MW25	WG	NS	05F035	SW8260B	Vinyl Acetate	2	U	(UJC)	µg/L	0.7	2
CWM-186-MW26	WG	NS	05F035	SW8260B	Vinyl Acetate	2	U	(UJC)	µg/L	0.7	2
CWM-186-MW30	WG	NS	05F143	SW8260B	2,2-Dichloropropane	1	U	(UJC)	µg/L	0.2	1
CWM-186-MW30	WG	NS	05F143	SW8260B	Vinyl Acetate	2	U	(UJC)	µg/L	0.7	2
CWM-186-MW35	WG	NS	05F143	SW8260B	2,2-Dichloropropane	1	U	(UJC)	µg/L	0.2	1
CWM-186-MW35	WG	NS	05F143	SW8260B	Vinyl Acetate	2	U	(UJC)	µg/L	0.7	2
CWM-186-MW39	WG	NS	05F076	SW8260B	Acetone	10	U	(UJC)	µg/L	2	10
CWM-186-MW40	WG	NS	05F088	SW8260B	Acetone	10	U	(UJC)	µg/L	2	10
CWM-186-MW40	WG	FD	05F088	SW8260B	Acetone	10	U	(UJC)	µg/L	2	10
CWM-186-MW45	WG	NS	05F076	SW8260B	Acetone	10	U	(UJC)	µg/L	2	10
CWM-186-MW52	WG	NS	05F088	SW8260B	Acrylonitrile	10	U	(UJC)	µg/L	5	10
CWM-186-MW53	WG	NS	05F035	SW8260B	Vinyl Acetate	2	U	(UJC)	µg/L	0.7	2
CWM-186-MW56	WG	NS	05F177	SW8260B	Carbon Disulfide	1	U	(UJC)	µg/L	0.2	1
CWM-186-MW56	WG	FD	05F177	SW8260B	Carbon Disulfide	1	U	(UJC)	µg/L	0.2	1
CWM-186-MW57	WG	NS	05F177	SW8260B	Carbon Disulfide	1	U	(UJC)	µg/L	0.2	1
CWM-186-MW58	WG	NS	05F134	SW8260B	Trans-1,4-Dichloro-2-Butene	1	U	(UJIC)	µg/L	0.5	1
CWM-186-MW59	WG	NS	05F134	SW8260B	Trans-1,4-Dichloro-2-Butene	1	U	(UJIC)	µg/L	0.5	1
EQUIPMENT BLANK	W	EB	05F143	SW8260B	2,2-Dichloropropane	1	U	(UJC)	µg/L	0.2	1
EQUIPMENT BLANK	W	EB	05F177	SW8260B	Carbon Disulfide	1	U	(UJC)	µg/L	0.2	1
EQUIPMENT BLANK	W	EB	05F143	SW8260B	Vinyl Acetate	2	U	(UJC)	µg/L	0.7	2

Table D5-13: Data Qualifiers Due to Continuing Calibration Outliers
Parcel 186(6), Training Area T-38
McClellan, Anniston, Alabama

Station Name	Matrix	QC Code	Delivery Group	Method	Parameter Name	Value	Lab Flag	Validation Code	Reporting Units	MDL	RL
TRIP BLANK	W	TB	05F143	SW8260B	2,2-Dichloropropane	1	U	(UJC)	µg/L	0.2	1
TRIP BLANK	W	TB	05F088	SW8260B	Acetone	10	U	(UJC)	µg/L	2	10
TRIP BLANK	W	TB	05F076	SW8260B	Acetone	10	U	(UJC)	µg/L	2	10
TRIP BLANK	W	TB	05F177	SW8260B	Carbon Disulfide	1	U	(UJC)	µg/L	0.2	1
TRIP BLANK	W	TB	05F134	SW8260B	Trans-1,4-Dichloro-2-Butene	1	U	(UJIC)	µg/L	0.5	1
TRIP BLANK	W	TB	05F143	SW8260B	Vinyl Acetate	2	U	(UJC)	µg/L	0.7	2

Notes:
EB = Equipment blank
FD = Field duplicate
MDL = Method detection limit
µg/L = micrograms per liter
NS = Normal sample
QC = Quality control
RL = Reporting limit
TB = Trip blank
W = Water
WG = Ground water

Lab Flags:
U = Analyte is not detected above the RL.

Validation codes consist of a validation qualifier and sub-qualifier(s) and are delineated with parenthesis.
Validation Qualifiers:
UJ = Analyte was analyzed for, but was not detected. The reported quantitation limit is estimated.
Validation Sub-qualifiers:
C = Continuing calibration was outside method-specific control limits.
I = Initial calibration was outside method-specific control limits.

Table D5-14: Miscellaneous Data Qualifiers
Parcel 186(6), Training Area T-38
McClellan, Anniston, Alabama

Station Name	Matrix	QC Code	Delivery Group	Method	Parameter Name	Value	Lab Flag	Validation Code	Reporting Units	MDL	RL
CWM-186-MW40	WG	FD	05F088	SW8260B	Trans-1,2-Dichloroethene	110	VE	(JX)	µg/L	0.2	1
CWM-186-MW40	WG	NS	05F088	SW8260B	Trans-1,2-Dichloroethene	120	VE	(JX)	µg/L	0.2	1

Notes:
FD = Field duplicate
MDL = Method detection limit
µg/L = micrograms per liter
NS = Normal sample
QC = Quality control
RL = Reporting limit
WG = Ground water

Lab Flags:
E = Result is above the maximum calibration range.
V = Detected value.

Validation codes consist of a validation qualifier and sub-qualifier(s) and are delineated with parenthesis.
Validation Qualifiers:
J = Estimated detection. The associated numerical value is the approximate concentration of the analyte in the sample.
Validation Sub-qualifiers:
X = Result exceeded the calibration range of the instrument.

Table D6-1: Reporting Limits and Method Detection Limits Compared to SSSLs and ESVs for Groundwater Samples
Parcel 186(6), Training Area T-38
McClellan, Anniston, Alabama

Matrix	Method	Parameter Name	Units	MDL	RL	Residential SSSL	Construction Worker SSSL	Groundskeeper SSSL
WG	SW7199	Chromium VI	µg/L	0.1	0.2	4.69	28.3	28.3
WG	SW8260B	1,1,1,2-Tetrachloroethane	µg/L	0.2	1	1.57	254	10.2
WG	SW8260B	1,1,1-Trichloroethane	µg/L	0.2	1	305	1910	1910
WG	SW8260B	1,1,2,2-Tetrachloroethane	µg/L	**0.3**	**1**	0.204	34	1.36
WG	SW8260B	1,1,2-Trichloroethane	µg/L	0.2	**1**	0.715	39.5	4.85
WG	SW8260B	1,1-Dichloroethane	µg/L	0.2	1	154	986	986
WG	SW8260B	1,1-Dichloroethene	µg/L	0.2	1	76.4	11.2	86.3
WG	SW8260B	1,1-Dichloropropene	µg/L	0.2	**1**	0.461	2.92	2.92
WG	SW8260B	1,2,3-Trichlorobenzene	µg/L	0.2	1	1.32	6.77	6.77
WG	SW8260B	1,2,3-Trichloropropane	µg/L	**0.2**	**1**	0.00957	0.973	0.0389
WG	SW8260B	1,2,4-Trichlorobenzene	µg/L	0.2	1	13.5	70.3	70.3
WG	SW8260B	1,2,4-Trimethylbenzene	µg/L	0.2	1	6	286	286
WG	SW8260B	1,2-Dibromo-3-Chloropropane	µg/L	**1**	**2**	0.0471	4.91	0.197
WG	SW8260B	1,2-Dibromoethane	µg/L	**0.2**	**1**	0.000783	0.0826	0.00331
WG	SW8260B	1,2-Dichlorobenzene	µg/L	0.2	1	28.7	719	719
WG	SW8260B	1,2-Dichloroethane	µg/L	0.2	**1**	0.448	76.9	3.08
WG	SW8260B	1,2-Dichloropropane	µg/L	0.2	**1**	0.985	101	4.02
WG	SW8260B	1,3,5-Trimethylbenzene	µg/L	0.2	1	6	322	322
WG	SW8260B	1,3-Dichlorobenzene	µg/L	0.2	1	1.23	6.59	6.59
WG	SW8260B	1,3-Dichloropropane	µg/L	0.2	1	4.02	--	--
WG	SW8260B	1,4-Dichlorobenzene	µg/L	0.2	1	1.76	232	9.3
WG	SW8260B	2,2-Dichloropropane	µg/L	0.2	1	4.02	--	--
WG	SW8260B	2-Butanone (MEK)	µg/L	5	10	714	6100	6100
WG	SW8260B	2-Chlorotoluene	µg/L	0.2	1	28.2	157	157
WG	SW8260B	2-Hexanone	µg/L	1	**10**	4.94	401	401
WG	SW8260B	4-Chlorotoluene	µg/L	0.2	1	28.2	157	157
WG	SW8260B	4-Methyl-2-Pentanone (MIBK)	µg/L	1	10	58.4	805	805
WG	SW8260B	Acetone	µg/L	2	10	156	1020	1020
WG	SW8260B	Benzene	µg/L	0.2	1	1.41	28.2	9.09
WG	SW8260B	Bromobenzene	µg/L	0.2	1	9.13	181	181
WG	SW8260B	Bromochloromethane	µg/L	0.2	1	93.4	606	606
WG	SW8260B	Bromodichloromethane	µg/L	0.2	1	1.08	112	4.5
WG	SW8260B	Bromoform	µg/L	0.2	1	6.44	202	35.8

Table D6-1: Reporting Limits and Method Detection Limits Compared to SSSLs and ESVs for Groundwater Samples
Parcel 186(6), Training Area T-38
McClellan, Anniston, Alabama

Matrix	Method	Parameter Name	Units	MDL	RL	Residential SSSL	Construction Worker SSSL	Groundskeeper SSSL
WG	SW8260B	Bromomethane	µg/L	0.2	2	2.18	14.1	14.1
WG	SW8260B	Carbon Disulfide	µg/L	0.2	1	151	921	921
WG	SW8260B	Carbon Tetrachloride	µg/L	0.2	**1**	0.408	6.43	1.98
WG	SW8260B	Chlorobenzene	µg/L	0.2	1	16.2	175	175
WG	SW8260B	Chloroethane	µg/L	0.2	2	14.1	2390	95.5
WG	SW8260B	Chloroform	µg/L	0.2	1	1.16	98.6	45.3
WG	SW8260B	Chloromethane	µg/L	0.5	2	3.93	40.2	21.6
WG	SW8260B	Cis-1,2-Dichloroethene	µg/L	0.2	1	15.5	99.1	99.1
WG	SW8260B	Cis-1,3-Dichloropropene	µg/L	0.2	**1**	0.254	2.99	1.55
WG	SW8260B	Dibromochloromethane	µg/L	0.2	**1**	0.792	83.7	3.35
WG	SW8260B	Dibromomethane	µg/L	0.2	1	15.6	102	102
WG	SW8260B	Dichlorodifluoromethane	µg/L	0.5	2	162	1930	1930
WG	SW8260B	Ethylbenzene	µg/L	0.2	1	140	769	769
WG	SW8260B	Hexachlorobutadiene	µg/L	0.2	**1**	0.307	1.94	1.94
WG	SW8260B	Isopropyl Benzene	µg/L	0.2	1	127	624	624
WG	SW8260B	m,p-Xylene	µg/L	0.3	2	2800	15400	15400
WG	SW8260B	Methylene Chloride	µg/L	1	2	7.85	602	37.5
WG	SW8260B	Naphthalene	µg/L	0.3	2	3.01	159	159
WG	SW8260B	n-Butylbenzene	µg/L	0.2	1	9.57	36.7	36.7
WG	SW8260B	n-Propylbenzene	µg/L	0.2	1	13	65.1	65.1
WG	SW8260B	o-Xylene	µg/L	0.2	1	2800	15400	15400
WG	SW8260B	p-Isopropyltoluene	µg/L	0.2	1	226	985	985
WG	SW8260B	Sec-Butylbenzene	µg/L	0.2	1	10.6	43.5	43.5
WG	SW8260B	Styrene	µg/L	0.2	1	290	1670	1670
WG	SW8260B	Tert-Butylbenzene	µg/L	0.2	1	11.4	49.7	49.7
WG	SW8260B	Tetrachloroethylene	µg/L	0.2	1	1.02	85.4	4.6
WG	SW8260B	Toluene	µg/L	0.2	1	259	1730	1730
WG	SW8260B	Trans-1,2-Dichloroethene	µg/L	0.2	1	30.7	195	195
WG	SW8260B	Trans-1,3-Dichloropropene	µg/L	0.2	**1**	0.254	2.99	1.55
WG	SW8260B	Trichloroethene	µg/L	**0.2**	**1**	0.102	57.2	0.5
WG	SW8260B	Trichlorofluoromethane	µg/L	0.2	1	438	2820	2820
WG	SW8260B	Vinyl Chloride	µg/L	**0.2**	**1**	0.0441	3.66	0.185

Table D6-1: Reporting Limits and Method Detection Limits Compared to SSSLs and ESVs for Groundwater Samples
Parcel 186(6), Training Area T-38
McClellan, Anniston, Alabama

Matrix	Method	Parameter Name	Units	MDL	RL	Residential SSSL	Construction Worker SSSL	Groundskeeper SSSL

Notes:

-- = Information either not available or not applicable
MDL = Method detection limit
µg/L = micrograms per liter
RL = Reporting limit
SSSL = Site-Specific Screening Level
WG = Ground water

Indicates the limit is greater than the SSSL.

Table D6-2: Reporting Limits and Method Detection Limits Compared to SSSLs and ESVs for Surface Water and Seep Samples
Parcel 186(6), Training Area T-38
McClellan, Anniston, Alabama

Matrix	Method	Parameter Name	Units	MDL	RL	Recreational SSSL	ESV
SP, SW	SW8260B	1,1,1,2-Tetrachloroethane	µg/L	0.2	1	36.7	2400
SP, SW	SW8260B	1,1,1-Trichloroethane	µg/L	0.2	1	2780	528
SP, SW	SW8260B	1,1,2,2-Tetrachloroethane	µg/L	0.3	1	5.01	240
SP, SW	SW8260B	1,1,2-Trichloroethane	µg/L	0.2	1	18.2	940
SP, SW	SW8260B	1,1-Dichloroethane	µg/L	0.2	1	1470	47
SP, SW	SW8260B	1,1-Dichloroethene	µg/L	0.2	1	700	303
SP, SW	SW8260B	1,1-Dichloropropene	µg/L	0.2	1	4.31	244
SP, SW	SW8260B	1,2,3-Trichlorobenzene	µg/L	0.2	1	7.91	69.2
SP, SW	SW8260B	1,2,3-Trichloropropane	µg/L	**0.2**	**1**	0.144	12.1
SP, SW	SW8260B	1,2,4-Trichlorobenzene	µg/L	0.2	1	83.7	44.9
SP, SW	SW8260B	1,2,4-Trimethylbenzene	µg/L	0.2	1	311	--
SP, SW	SW8260B	1,2-Dibromo-3-Chloropropane	µg/L	**1**	**2**	0.733	112
SP, SW	SW8260B	1,2-Dibromoethane	µg/L	**0.2**	**1**	0.0126	22.5
SP, SW	SW8260B	1,2-Dichlorobenzene	µg/L	0.2	1	921	15.8
SP, SW	SW8260B	1,2-Dichloroethane	µg/L	0.2	1	11.7	2000
SP, SW	SW8260B	1,2-Dichloropropane	µg/L	0.2	1	14.9	525
SP, SW	SW8260B	1,3,5-Trimethylbenzene	µg/L	0.2	1	367	--
SP, SW	SW8260B	1,3-Dichlorobenzene	µg/L	0.2	1	8.02	50.2
SP, SW	SW8260B	1,3-Dichloropropane	µg/L	0.2	1	--	521
SP, SW	SW8260B	1,4-Dichlorobenzene	µg/L	0.2	1	29.7	11.2
SP, SW	SW8260B	2,2-Dichloropropane	µg/L	0.2	1	--	521
SP, SW	SW8260B	2-Butanone (MEK)	µg/L	5	10	9380	7100
SP, SW	SW8260B	2-Chlorotoluene	µg/L	0.2	1	198	--
SP, SW	SW8260B	2-Hexanone	µg/L	1	10	608	1710
SP, SW	SW8260B	4-Chlorotoluene	µg/L	0.2	1	198	--
SP, SW	SW8260B	4-Methyl-2-Pentanone (MIBK)	µg/L	1	10	1230	3680
SP, SW	SW8260B	Acetone	µg/L	2	10	1570	78000
SP, SW	SW8260B	Benzene	µg/L	0.2	1	32.6	53
SP, SW	SW8260B	Bromobenzene	µg/L	0.2	1	253	--
SP, SW	SW8260B	Bromochloromethane	µg/L	0.2	1	925	11000
SP, SW	SW8260B	Bromodichloromethane	µg/L	0.2	1	17	11000
SP, SW	SW8260B	Bromoform	µg/L	0.2	1	137	293
SP, SW	SW8260B	Bromomethane	µg/L	0.2	2	21.4	--

Table D6-2: Reporting Limits and Method Detection Limits Compared to SSSLs and ESVs for Surface Water and Seep Samples
Parcel 186(6), Training Area T-38
McClellan, Anniston, Alabama

Matrix	Method	Parameter Name	Units	MDL	RL	Recreational SSSL	ESV
SP, SW	SW8260B	Carbon Disulfide	µg/L	0.2	1	1300	84
SP, SW	SW8260B	Carbon Tetrachloride	µg/L	0.2	1	6.97	352
SP, SW	SW8260B	Chlorobenzene	µg/L	0.2	1	238	195
SP, SW	SW8260B	Chloroethane	µg/L	0.2	2	358	230000
SP, SW	SW8260B	Chloroform	µg/L	0.2	1	147	289
SP, SW	SW8260B	Chloromethane	µg/L	0.5	2	61.1	5500
SP, SW	SW8260B	Cis-1,2-Dichloroethene	µg/L	0.2	1	149	11600
SP, SW	SW8260B	Cis-1,3-Dichloropropene	µg/L	0.2	1	4.31	24.4
SP, SW	SW8260B	Dibromochloromethane	µg/L	0.2	1	12.7	6400
SP, SW	SW8260B	Dibromomethane	µg/L	0.2	1	156	22.5
SP, SW	SW8260B	Dichlorodifluoromethane	µg/L	0.5	2	2820	11000
SP, SW	SW8260B	Ethylbenzene	µg/L	0.2	1	961	453
SP, SW	SW8260B	Hexachlorobutadiene	µg/L	0.2	**1**	2.85	0.93
SP, SW	SW8260B	Isopropyl Benzene	µg/L	0.2	1	704	--
SP, SW	SW8260B	m.p-Xylene	µg/L	0.3	2	19300	117
SP, SW	SW8260B	Methylene Chloride	µg/L	1	2	142	1930
SP, SW	SW8260B	Naphthalene	µg/L	0.3	2	204	62
SP, SW	SW8260B	n-Butylbenzene	µg/L	0.2	1	35.3	--
SP, SW	SW8260B	n-Propylbenzene	µg/L	0.2	1	74.8	--
SP, SW	SW8260B	o-Xylene	µg/L	0.2	1	19300	117
SP, SW	SW8260B	p-Isopropyltoluene	µg/L	0.2	1	1020	--
SP, SW	SW8260B	Sec-Butylbenzene	µg/L	0.2	1	43.5	--
SP, SW	SW8260B	Styrene	µg/L	0.2	1	2190	56
SP, SW	SW8260B	Tert-Butylbenzene	µg/L	0.2	1	51.6	--
SP, SW	SW8260B	Tetrachloroethylene	µg/L	0.2	1	15.36	84
SP, SW	SW8260B	Toluene	µg/L	0.2	1	2320	175
SP, SW	SW8260B	Trans-1,2-Dichloroethene	µg/L	0.2	1	287	1350
SP, SW	SW8260B	Trans-1,3-Dichloropropene	µg/L	0.2	1	4.52	24.4
SP, SW	SW8260B	Trichloroethene	µg/L	0.2	1	1.49	21900
SP, SW	SW8260B	Trichlorofluoromethane	µg/L	0.2	1	4050	11000
SP, SW	SW8260B	Vinyl Chloride	µg/L	0.2	**1**	0.696	9.2

Table D6-2: Reporting Limits and Method Detection Limits Compared to SSSLs and ESVs for Surface Water and Seep Samples
Parcel 186(6), Training Area T-38
McClellan, Anniston, Alabama

Matrix	Method	Parameter Name	Units	MDL	RL	Recreational SSSL	ESV

Notes:

-- = Information either not available or not applicable
ESV = Ecological Screening Value
MDL = Method detection limit
µg/L = micrograms per liter
RL = Reporting limit
SSSL = Site-Specific Screening Level
SP = Seep
SW = Surface water

Indicates the limit is greater than the SSSL or ESV.