ITS REWORK DATA VERIFICATION REPORT
for
samples collected from

CAMP STANLEY STORAGE ACTIVITY

BOERNE, TEXAS

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INTRODUCTION

The following data verification summary report covers environmental soil samples and associated field quality control (QC) samples collected from the Camp Stanley (for ITS rework) on March 20, 2000. The samples in the following laboratory Sample Delivery Group (SDG) were analyzed for semivolatile organic compounds (SVOCs) and volatile organic compounds (VOCs):

32255

Field quality control samples collected were trip blank and field duplicate. During the initiation of this project, it was determined that ambient blanks were not necessary due to the absence of a source at the site. The trip blank was analyzed for volatile organics only. The field duplicate was analyzed for the same parameters as their associated samples.

All samples were collected by Parsons Engineering Science (Parsons ES). All analyses were performed by APPL, Inc. following procedures outlined in the AFCEE QAPP, version 3.0.

EVALUATION CRITERIA

The data submitted by the laboratory has been reviewed and verified following the guidelines outlined in the AFCEE QAPP, version 3.0. Information reviewed in the data packages include sample results; the summary of laboratory quality control results; case narrative; raw data; and chain-of-custody forms. The analyses and findings presented in this report are based on the reviewed information, and whether guidelines in the AFCEE QAPP were met.

SVOC SDG 32255

General

This SDG consisted of four (4) samples, including three (3) confirmation environmental soil samples and one field duplicate soil sample. The samples were collected on March 20, 2000 and analyzed for semivolatile organic compounds (SVOCs).

SVOC analyses were performed using United States Environmental Protection Agency (USEPA) SW846 Method 8270C. All samples for this SDG were analyzed following the procedures outlined in the AFCEE QAPP. All samples collected were prepared and analyzed within the holding times required by the method.

Accuracy

Accuracy was evaluated using the %R results for the MS/MSD samples; LCS samples; and surrogate spikes. There was no MS/MSD analysis for this SDG.

All LCS and surrogate %Rs were within acceptance criteria.

Precision

Precision was evaluated using the Relative Percent Difference (RPD) results obtained from MS/MSD results; and the field duplicate analyte values. There was no MS/MSD analysis for this SDG. Sample RW-B27-SB01 (5.0-5.5') FD was the field duplicate of sample RW-B27-SB01 (5.0-5.5').

The field duplicate RPDs were within acceptance criteria except for bis(2-ethylhexyl)phthalate (89.0% RPD). The positive bis(2-ethylhexyl)phthalate result in the associated samples collected on the same day as the field duplicate pair was considered estimated and flagged "J".

Completeness

Completeness has been evaluated by comparing the total number of samples collected with the total number of samples with valid analytical data.

All results were considered usable. The completeness for this SDG is 100.0% compared to the minimum acceptance limit of 90%.

Representativeness

Representativeness expresses the degree to which sample data accurately and precisely represents actual site conditions. Representativeness has been evaluated by:

- Comparing the chain-of-custody procedures to those described in the AFCEE QAPP;
- Comparing actual analytical procedures to those described in the AFCEE QAPP;
- Evaluating holding times; and
- Examining laboratory blanks for cross contamination of samples during the analysis.

All samples in this SDG were analyzed following chain-of-custody forms (COCs) and analytical procedures described in the AFCEE QAPP. All samples were prepared and analyzed with the holding times required for the analysis.

- All instrument performance check criteria were met.
- All initial calibration criteria were met.
- All continuing calibration criteria were met.
- All second source verification criteria were met.
- All internal standard criteria were met.

There was one method blank associated with the SVOC analyses in this SDG. The blank was free of SVOCs above the RL.

VOC SDG 32255

General

This SDG consisted of four (4) samples, including three (3) confirmation environmental soil samples and one trip blank sample. The samples were collected on March 20, 2000 and analyzed for volatile organic compounds (VOCs).

VOC analyses were performed using United States Environmental Protection Agency (USEPA) SW846 Method 8260B. All samples for this SDG were analyzed following the procedures outlined in the AFCEE QAPP. All samples collected were prepared and analyzed within the holding times required by the method.

Accuracy

Accuracy was evaluated using the %R results for the MS/MSD samples; LCS samples; and surrogate spikes. There was no MS/MSD analysis in this SDG.

All LCS and surrogate %Rs were within acceptance criteria.

Precision

Precision was evaluated using the Relative Percent Difference (RPD) results obtained from MS/MSD results; and the field duplicate analyte values. There was no MS/MSD analysis in this SDG. There was no field duplicate in this SDG.

Completeness

Completeness has been evaluated by comparing the total number of samples collected with the total number of samples with valid analytical data.

All results were considered usable. The completeness for this SDG is 100.0% compared to the minimum acceptance limit of 90%.

Representativeness

Representativeness expresses the degree to which sample data accurately and precisely represents actual site conditions. Representativeness has been evaluated by:

- Comparing the chain-of-custody procedures to those described in the AFCEE QAPP;
- Comparing actual analytical procedures to those described in the AFCEE QAPP;
- Evaluating holding times; and
- Examining field and laboratory blanks for cross contamination of samples during sample collection or analysis.

All samples in this SDG were analyzed following chain-of-custody forms (COCs) and analytical procedures described in the AFCEE QAPP. All samples were prepared and analyzed with the holding times required for the analysis.

- All instrument performance check criteria were met.
- All initial calibration criteria were met.
- All continuing calibration criteria were met.
- All second source verification criteria were met.
- All internal standard criteria were met.

There were two method blanks and one trip blank associated with the VOC analyses in this SDG. The blanks were free of VOCs above the RL.