



ICF Consulting / Laboratory Data Consultants

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MEMORANDUM

TO: Lisa Hanusiak, Remedial Project Manager
Site Cleanup Section 3, SFD-7-3

THROUGH: Rose Fong, ESAT Task Order Project Officer (TOPO)
Quality Assurance (QA) Program, PMD-3

FROM: Doug Lindelof, Data Review Task Manager
Region 9 Environmental Services Assistance Team (ESAT)

ESAT Contract No.: 68-W-01-028
Technical Direction Form No.: 00905073

DATE: February 10, 2006

SUBJECT: Review of Analytical Data, Tier 3

Attached are comments resulting from ESAT Region 9 review of the following analytical data:

Site:	Alhambra
Site Account No.:	09 ES LA01
CERCLIS ID No.:	CAD980818579
Case No.:	34815
SDG No.:	Y2930
Laboratory:	A4 Scientific, Inc. (A4)
Analysis:	1,4-Dioxane by Semivolatile and Selective Ion Monitoring
Samples:	15 Water Samples (see Case Summary)
Collection Date:	November 28, 29, and 30, 2005 and December 1 and 2, 2005
Reviewer:	Santiago Lee, ESAT/Laboratory Data Consultants (LDC)

This report has been reviewed by the EPA TOPO for the ESAT contract, whose signature appears above.

If there are any questions, please contact Rose Fong (QA Program/EPA) at (415) 972-3812.

Attachment

cc: Ray Flores, CLP PO USEPA Region 6
Steve Remaley, CLP PO USEPA Region 9

CLP PO: Attention Action

SAMPLING ISSUES: Yes No

Data Validation Report

Case No.: 34815
SDG No.: Y2930
Site: Alhambra
Laboratory: A4 Scientific, Inc. (A4)
Reviewer: Santiago Lee, ESAT/LDC
Date: February 10, 2006

I. CASE SUMMARY

Sample Information

Samples: Y2928 through Y2930, Y2932 through Y2934, Y2936 through Y2941, and Y2943 through Y2945
Concentration and Matrix: Low Concentration Water
Analysis: 1,4-Dioxane by Semivolatile and Selective Ion Monitoring
SOW: OLC03.2, Modification Reference No. 1316.0
Collection Date: November 28, 29, and 30, 2005 and December 1 and 2, 2005
Sample Receipt Date: November 29 and 30, 2005 and December 1, 2, and 3, 2005
Extraction Date: December 3, 2005
Analysis Date: December 19 and 20, 2005

Field QC

Field Blanks (FB): Not Provided
Equipment Blanks (EB): Y2929, Y2932, Y2936, and Y2945
Background Samples (BG): Not Provided
Field Duplicates (D1): Y2938 and Y2940
Field Duplicates (D2): Y2943 and Y2944

Laboratory QC

Method Blanks & Associated Samples:
SBLK1D: All samples

Tables

1A: Analytical Results with Qualifications
1B: Data Qualifier Definitions for Organic Data Review

CLP PO Action

None.

CLP PO Attention

None.

Sampling Issues

The sampler signature is missing on the traffic report & chain of custody record (TR/COC) for samples collected on December 1, 2005 (see attached TR/COC, p. 7 in data package).

Additional Comments

This report was prepared in accordance with the following documents:

- X ESAT Region 9 Standard Operating Procedure 901, *Guidelines for Data Review of Contract Laboratory Program Analytical Services (CLPAS) Volatile and Semivolatile Data Packages*;
- X USEPA Contract Laboratory Program Statement of Work for Analysis of Low Concentration Organic, OLC03.2, December 2000; and
- X USEPA Contract Laboratory Program National Functional Guidelines for Low Concentration Organic Data Review, June 2001.

II. VALIDATION SUMMARY

The data were evaluated based on the following parameters:

	<u>Parameter</u>	<u>Acceptable</u>	<u>Comment</u>
1.	Holding Time/Preservation	Yes	
2.	GC/MS Tune/GC Performance	Yes	
3.	Initial Calibration	Yes	
4.	Continuing Calibration	Yes	
5.	Laboratory Blanks	Yes	
6.	Field Blanks	Yes	
7.	Deuterated Monitoring Compounds	Yes	
8.	Matrix Spike/Matrix Spike Duplicates	N/A	
9.	Laboratory Control Samples/Duplicates	N/A	
10.	Internal Standards	Yes	
11.	Compound Identification	Yes	
12.	Compound Quantitation	Yes	
13.	System Performance	Yes	
14.	Field Duplicate Sample Analysis	Yes	

N/A = Not Applicable

III. OVERALL ASSESSMENT OF DATA

All method requirements specified in the USEPA Contract Laboratory Program Statement of Work for Analysis of Low Concentration Organic, OLC03.2, have been met. 1,4-Dioxane results for all samples are reported correctly.

TABLE 1B

DATA QUALIFIER DEFINITIONS FOR ORGANIC DATA REVIEW

The definitions of the following qualifiers are prepared according to the document, "USEPA Contract Laboratory Program National Functional Guidelines for Low Concentration Organic Data Review," June 2001.

- U The analyte was analyzed for, but was not detected above the level of the adjusted Contract Required Quantitation Limit (CRQL) for sample and method.
- L Indicates results which fall below the Contract Required Quantitation Limit. Results are estimated and are considered qualitatively acceptable but quantitatively unreliable due to uncertainties in the analytical precision near the limit of detection.
- J The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.
- NJ The analysis indicates the presence of an analyte that has been "tentatively identified" and the associated numerical value represents its approximate concentration.
- UJ The analyte was not detected above the adjusted CRQL. However, the reported adjusted CRQL is approximate and may be inaccurate or imprecise.
- R The sample results are unusable. The analyte may or may not be present in the sample.

