

EG&G ER Program  
Rocky Flats Plant

(2/20/90)

ER PROGRAM DATA ASSESSMENT  
SUMMARY REPORT FORM

Batch No. 8912G805 Site 881 Hillside  
 Laboratory Roy F. Weston - Gulf Coast No. of Samples/Matrix 2/Water  
 SOW # 10/86 (Rev. 2/88) Reviewer Org. TechLaw, Inc.  
 Sample Numbers TB122089009, SW039009

Data Assessment Summary

	VOA	Comments
1. Holding Times	<u>A</u>	<u>Action Item 1</u>
2. GC/MS Tune/Instr. Perf.	<u>V</u>	<u></u>
3. Calibrations	<u>A</u>	<u>Action Item 2; Comment 1</u>
4. Blanks	<u>A</u>	<u>Action Item 3</u>
5. Surrogates	<u>V</u>	<u></u>
6. Matrix Spike/Dup.	<u>X</u>	<u>Comment 2</u>
7. Other QC	<u>X</u>	<u>Comment 3</u>
8. Internal Standards	<u>V</u>	<u></u>
9. Compound Identification	<u>X</u>	<u>Comment 4</u>
10. System Performance	<u>X</u>	<u>Comment 5</u>
11. Overall Assessment	<u>A</u>	<u>Data acceptable with qualifications.</u>

V = Data had no problems.

A = Data acceptable but qualified due to problems.

R = Data rejected.

X = Problems, but do not affect data.

**Data Quality:** Data contained in this batch were reviewed and found to be acceptable with qualifications. Acceptable, qualified data may be used provided that individual values impacted by the "Action Items" listed below are appropriately flagged. (Refer to attached Results Summary Table.)

"REVIEWED FOR CLASSIFICATION

By R. B. Hoffman (C)

Date 7-11-90

g805/rk36

ADMIN RECORD

REVIEWED FOR CLASSIFICATION/UCNI

By George H. Schlock

Date 6/27/90

A-DU01-000020

**Action Items:** 1) All results in samples TB122089009 and SW039009 are estimated (J) or estimated and undetected (UJ) because holding times were exceeded.

2) In the initial calibration Acetone's, Vinyl Acetate's, and 4-Methyl-2-pentanone's %RSDs exceeded 50%. Therefore, non-detected results for Vinyl Acetate are rejected (R) in both samples. Results for Acetone and 4-Methyl-2-pentanone are qualified under the blank criteria.

3) Due to blank contamination, the positive results for Acetone and 4-Methyl-2-pentanone in both samples and the positive result for Methylene Chloride in sample TB122089009 are estimated and undetected as per the Functional Guidelines criteria (5x and 10x rules).

**Comments:** 1) In the initial calibration, surrogates should have been run at five separate concentration levels. This does not affect the overall quality of the data.

2) The Percent Recovery of Chlorobenzene exceeded the criteria in the matrix spike duplicate. No action is required because data is not qualified due to MS/MSD.

3) The 43 ion was used to quantitate 2-Butanone instead of the 72 ion. There is no obvious explanation for this nor does the Case Narrative mention it.

4) A peak eluting at approximately 7 minutes in sample SW039009 was not identified. It appears as though it could be Methylene Chloride based upon retention time.

5) There is early interference in all runs (including standards) which is not addressed.

**Note:** Data Summary Tables are attached.

*Jill Saechler*  
Reviewer Signature

2-20-90  
Date

