Introduction

This data review covers 3 water samples listed on the cover sheet including dilutions and reanalysis as applicable. The analyses were per EPA SW 846 Method 8020 for Aromatic Volatile Organics which include Benzene, Toluene, Ethylbenzene and Xylenes (BTEX).

This review follows a modified outline of the USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review (February 1994) as there are no current guidelines for EPA SW 846 Method 8020. The modifications were based on EPA SW 846 Method 8020.

A table summarizing all data qualification is provided at the end of this report. Flags are classified as P (protocol) or A (advisory) to indicate whether the flag is due to a laboratory deviation from a specified protocol or is of technical advisory nature.

Blank results are summarized in Section Ill.

Field duplicates are summarized in Section IX.

The following are definitions of the data qualifiers:

U Indicates the compound or element was analyzed for but not detected at or above the stated limit.

i Indicates an estimated value.

R Quality control indicates the data is not usable.
N Presumptive evidence of presence of the constituent.
UJ Indicates the compound or element was analyzed for but not detected. The sample detection limit is an estimated value.

1. Technical Holding Times

All technical holding time requirements were met.

11. **Calibration**

a. Initial Calibration

Initial calibration of analytes was performed as required by the method.

Retention time windows were evaluated and considered technically acceptable,

A curve fit, based on the initial calibration, was established for quantitation. The coefficient of determination (r2) was greater than or equal to 0.990 .

b. Chlibration Verification

Calibration verification was performed at required frequencies. The percent differences (%D) of amounts in continuing standard mixtures were within the 15.0% OC limits.

Retention times (RT) of all compounds in the calibration standards were within OC limits.

lll. **Blanks**

Method blanks were reviewed for each matrix as applicable. No aromatic volatile organic contaminants were found in the method blanks.

IV. **Accuracy and Precision Data**

a. Surrogate Recovery

Surrogates were added to all samples and blanks as required by the method. All surrogate recoveries were within validation criteria.

b. Matrix Spike/Matrix Spike Duplicates

Matrix spike (MS) and matrix spike duplicate (MSD) samples were reviewed for each matrix as applicable. Percent recoveries (%R) and relative percent differences (RPD) were within OC limits.

c. **Laboratory Control Samples**

Laboratory control samples were reviewed for each matrix as applicable. Percent recoveries were within QC limits.

V. Target Compound Identification

All target compound identifications were within validation criteria.

Salton Sea Test Base, CTO 097
Aromatic Volatile Organics (BTEX) - Data Qualification Summary - SDG K9600753**

No Sample Data Qualified in this SDG

Salton Sea Test Base, CTO 097
Aromatic Volatile Organics (BTEX) - Laboratory Blank Data Qualification Summary - SDG K9600753**

No Sample Data Qualified in this SDG

Laboratory Data Consultants, Inc.
Data Validation Report

Project/Site Name:	Salton Sea Test Base, CTO 097
Collection Date:	February 7, 1996
LDC Report Date:	April 9, 1996
Matrix:	Water
Parameters:	Aromatic Volatile Organics (BTEX)
Laboratory:	Columbia Analytical Services, Inc.

Sample Delivery Group (SDG): K9600765

Sample Identification
097BOO742

1804B32.BC3

1. **Technical Holding Times**

All technical holding time requirements were met.

11. **Calibration**

a. Initial Calibration

Initial calibration of analytes was performed as required by the method.

A curve fit, based on the initial calibration, was established for quantitation. The coefficient of determination (r2) was greater than or equal to 0.990 .

b. Calibration Verification

Calibration vedfication was performed at required frequencies. The percent differences (%D) of amounts in continuing standard mixtures were within the 15.0% QC limits.

111. **Blanks**

Method blanks were reviewed for each matrix as applicable. No aromatic volatile organic contaminants were found in the method blanks.

IV. **Accuracy and Precision Data**

a. Surrogate Recovery

Surrogates were added to all samples and blanks as required by the method. All surrogate recoveries were within validation criteria.

b. Matrix Spike/Matrix Spike Duplicates

Matrix spike (MS) and matrix spike duplicate (MSD) samples were reviewed for each matrix as applicable. Percent recoveries (%R) and relative percent differences (RPD) were within QC limits.

c. **Laboratory Control Samples**

Laboratory control samples were reviewed for each matdx- as applicable. Percent recoveries were within QC limits.

V. Target Compound Identification

Raw data were not reviewed for this SDG.

V1. **Compound Quantitation and CRQLs**

Raw data were not reviewed for this SDG.

Salton Sea Test Base, CTO 097
Aromatic Volatile Organics (BTEX) - Data Qualification Summary - SDG K9600765

No Sample Data Qualified in this SDG

Salton Sea Test Base, CTO 097
Aromatic Volatile Organics (BTEX) - Laboratory Blank Data Qualification Summary - SDG K9600765

No Sample Data Qualified in this SDG

Laboratory Data Consultants, Inc.
Data Validation Report

Project/Site Name:	Salton Sea Test Base, CTO 097
Collection Date:	February 14, 1996
LDC Report Date:	April 9, 1996
Matrix:	Water
Parameters:	Aromatic Volatile Organics (BTEX)
Laboratory:	Columbia Analytical Services, Inc.

Sample Delivery Group (SDG): K9600898

Sample Identification

097TO3141 097RO5543 097GO5543 097GO6741 097G10243 097DO1443 097G10141 097G10341 097RO5541 MS 097RO5541 MSD

1. Technical Holding Times

All technical holding time requirements were met.

11. **Calibration**

a. Initial Calibration

Initial calibration of analytes was performed as required by the method.

A curve fit, based on the initial calibration, was established for quantitation. The coefficient of determination (r2) was greater than or equal to 0.990 .

b. Calibration Verification

Calibration verification was performed at required frequencies. The percent differences (%D) of amounts in continuing standard mixtures were within the 15.0% QC limits.

Ill. **Blanks**

Method blanks were reviewed for each matrix as applicable. No aromatic volatile organic contaminants were found in the method blanks.

IV. **Accuracy and Precision Data**

a. Surrogate Recovery

Surrogates were added to all samples and blanks as required by the method. All surrogate recoveries were within validation criteria.

b. Matrix Spike/Matrix Spike Duplicates

Matrix spike (MS) and matrix spike duplicate (MSD) samples were reviewed for each matrix as applicable. Percent recoveries (%R) and relative percent differences (RPD) were within OC limits.

c. **Laboratory Control Samples**

Laboratory control samples were reviewed for each matrix 7as applicable. Percent recoveries were within QC limits.

V. Target Compound Identification

Raw data were not reviewed for this SDG.

VI. **Compound Quantitation and CRQLs**

Raw data were not reviewed for this SDG.

Salton Sea Test Base, CTO 097
Aromatic Volatile Organics (BTEX) - Data Qualification Summary - SDG K9600898

No Sample Data Qualified in this SDG

Salton Sea Test Base, CTO 097
Aromatic Volatile Organics (BTEX) - Laboratory Blank Data Qualification Summary - SDG K9600898

No Sample Data Qualified in this SDG

Laboratory Data Consultants, Inc.
Data Validation Report

Project/Site Name:	Salton Sea Test Base, CTO 097
Collection Date:	February 16, 1996
LDC Report Date:	April 9, 1996
Matrix:	Water
Parameters:	Aromatic Volatile Organics (BTEX)
Laboratory:	Columbia Analytical Services., Inc.

Sample Delivery Group (SDG): K9600923**

Sample Identification

097TO3343
097GO9042
097GO9241
097DO1542
097RO9142
097GO9143
097GO9341
097GO9443

** Indicates SDG underwent NEESA Level D review.

Salton Sea Test Base, CTO 097
Aromatic Volatile Organics (BTEX) - Data Qualification Summary - SDG K9600923**

SDG	Sample	Compound	Flag	A or P	Reason
				P	Technical holding times
3	097GO9341 097GO9143	L compounds			

Salton Sea Test Base, CTO 097
Aromatic Volatile Organics (BTEX) - Laboratory Blank Data Qualification Summary
SDG K9600923**

No Sample Data Qualified in this SDG

LDC Report# 18041-132

Laboratory Data Consultants, Inc.
Data Validation Report

Project/Site Name: Salton Sea Test Base, CTO 097

Collection Date: February 15, 1996

LDC Report Date: April 9, 1996

Matrix: Water

Parameters: Aromatic Volatile Organics (BTEX)
Laboratory: Columbia Analytical Services, Inc.

Sample Delivery Group (SDG): K9600927

Sample Identification

097GO8843 097TO3242 097GO8943 097G10043 097R10043 097ROB943 097GO9543 097GO9642 097GO9941 097GO8844MS 097GO8844MSD

1. Technical Holding Times

All technical holding time requirements were met.

II. **Calibration**

a. Initial Calibration

Initial calibration of analytes was performed as required by the method.

The percent relative standard deviations (%RSD) of calibration factors for analytes were less than 20.0% .

b. Calibration Verification

Calibration verification was performed at required frequencies. The percent differences (%D) of amounts in continuing standard mixtures were within the 15.0% QC limits.

111. **Blanks**

Method blanks were reviewed for each matrix as applicable. No aromatic volatile organic contaminants were found in the method blanks.

IV. **Accuracy and Precision Data**

a. Surrogate Recovery

Surrogates were added to all samples and blanks as required by the method. All surrogate recoveries were within validation criteria.

b. Matrix Spike/Matrix Spike Duplicates

Matrix spike (MS) and matrix spike duplicate (MSD) samples were reviewed for each matrix as applicable. Percent recoveries (%R) and relative percent differences (RPD) were within QC limits.

c. **Laboratory Control Samples**

Laboratory control samples were reviewed for each matrix -as applicable. Percent recoveries were within QC limits.

V. Target Compound Identification

Raw data were not reviewed for this SDG.

V1. **Compound Quantitation and CROLs**

Raw data were not reviewed for this SDG.

Salton Sea Test Base, CTO 097
Aromatic Volatile Organics (BTEX) - Data Qualification Summary - SDG K9600927

No Sample Data Qualified in this SDG

Salton Sea Test Base, CTO 097
Aromatic Volatile Organics (BTEX) - Laboratory Blank Data Qualification Summary - SDG K9600927

No Sample Data Qualified in this SDG

LDC Report# 1804132

Laboratory Data Consultants, Inc.
Data Validation Report

Project/Site Name: Salton Sea Test Base, CTO 097

Collection Date: February 19, 1996

LDC Report Date: April 9, 1996

Matrix: Water

Parameters: Aromatic Volatile Organics (BTEX)
Laboratory: Columbia Analytical Services, Inc.

Sample Delivery Group (SDG): K9600964

Sample Identification

097TO3442
097RO9843
097GO8341
097GO8441
097GO9841
097GO8643
097GO8741
097GO8543
097GO8641 VIS
097GO8641 MSD

Salton Sea Test Base, CTO 097
Aromatic Volatile Organics (BTEX) - Data Qualification Summary - SDG K9600964

SDG	Sample	Compound	Flag -TA	or P	Reason
;;64 6	097GO 41	All TCL compounds	i	p	Technical holding times

F 98

Salton Sea Test Base, CTO 097
Aromatic Volatile Organics (BTEX) - Laboratory Blank Data Qualification Summary
SDG K9600964

No Sample Data Qualified in this SDG

LDC Report# 1804J32

Laboratory Data Consultants, Inc.
Data Validation Report

Project/Site Name: . Salton Sea Test Base, CTO 097

Collection Date: February 20, 1996

LDC Report Date: April 8, 1996

Matrix: Water

Parameters: Aromatic Volatile Organics (BTEX)
Laboratory: Columbia Analytical Services, Inc.

Sample Delivery Group (SDG): K9601003

Sample Identification

097TO3541
097GO9741
097DO1643
097G10641
097G10443
097R10441
097G10543
097DO1642MS
097DO1642MSD

1. Technical Holding Times

All technical holding time requirements were met.

11. **Calibration**

a. Initial Calibration

Initial calibration of analytes was performed as required by the method.

A curve fit, based on the initial calibration, was established for quantitation. The coefficient of determination (r) was greater than or equal to 0.990 .

b. Calibration Verification

Calib'ration verification was performed at required frequencies. The percent differences (%D) of amounts in continuing standard mixtures were within the 15.0% OC limits.

Ill. **Blanks**

Method blanks were reviewed for each matrix as applicable. No aromatic volatile organic contaminants were found in the method blanks.

IV. **Accuracy and Precision Data**

a. Surrogate Recovery

Surrogates were added to all samples and blanks as required by the method. All surrogate recoveries were within validation criteria.

b. Matrix Spike/Matrix Spike Duplicates

Matrix spike (MS) and matrix spike duplicate (MSD) sampies were reviewed for each matrix as applicable. Percent recoveries (%R) and relative percent differences (RPD) were within QC limits.

c. **Laboratory Control Samples**

Laboratory control samples were reviewed for each matrix-as applicable. Percent recoveries were within QC limits.

V. Target Compound Identification

Raw data were not reviewed for this SDG.

VI. **Compound Quantitation and CROLs**

Raw data were not reviewed for this SDG.

Salton Sea Test Base, CTO 097
Aromatic Volatile Organics (BTEX) - Data Qualification Summary - SDG K9601003

No Sample Data Qualified in this SDG

Salton Sea Test Base, CTO 097
Aromatic Volatile Organics (BTEX) - Laboratory Blank Data Qualification Summary - SDG K9601003

No Sample Data Qualified in this SDG

Laboratory Data Consultants, Inc.
Data Validation Report

Project/Site Name:	Salton Sea Test Base, CTO 097
Collection Date:	February 21, 1996
LDC Report Date:	April 8, 1996
Matrix:	Water
Parameters:	Aromatic Volatile Organics (BTEX)
Laboratory:	Columbia Analytical Services, Inc.

Sample Delivery Group (SDG): K9601039

Sample Identification

097BOO833
097BOO931

1. Technical Holding Times

All technical holding time requirements were met.

II. **Calibration**

a. Initial Calibration

Initial calibration of analytes was performed as required by the method.

A curve fit, based on the initial calibration, was established for quantitation. The coefficient of determination (r2) was greater than or equal to 0.990 .

b. Calibration Verification

Calibration verification was performed at required frequencies. The percent differences (%D) of amounts in continuing standard mixtures were within the 15.0% QC limits.

Ill. **Blanks**

Method blanks were reviewed for each matrix as applicable. No aromatic volatile organic contaminants were found in the method blanks.

IV. **Accuracy and Precision Data**

a. Surrogate Recovery

Surrogates were added to all samples and blanks as required by the method. All surrogate recoveries were within validation criteria.

b. Matrix Spike/Matrix Spike Duplicates

Matrix spike (MS) and matrix spike duplicate (MSD) samples were reviewed for each matrix as applicable. Percent recoveries (%R) and relative percent differences (RPD) were within QC limits.

c. Laboratory Control Samples

Laboratory control samples were reviewed for each matrix -as applicable. Percent recovedes were within QC limits.

V. Target Compound Identification

Raw data were not reviewed for this SDG.

Vi. **Compound Quantitation and CROLs**

Raw data were not reviewed for this SDG.

Salton Sea Test Base, CTO 097
Aromatic Volatile Organics (BTEX) - Data Qualification Summary - SDG K9601039

No Sample Data Qualified in this SDG

Salton Sea Test Base, CTO 097
Aromatic Volatile Organics (BTEX) - Laboratory Blank Data' Qualification Summary - SDG K9601039

No Sample Data Qualified in this SDG

LABORATORY DATA CONSULTANTS, INC.
T750 El Camino Real, Suite 2C, Carlsbad, CA 92009 Phone: 619:634-0437 Fax: 619 634-0439

. . . . . .

Bechtel National, Inc. April 15,1996
401 West "A" Street, Suite 1000
San Diego, CA 92101-7905
Attn: Dr. Randy Jordan

Project Name Salton Sea Test Base
Project # CTO 097

On April 4, 1996 the following data package was received by Laboratory Data Consultants, Inc. from Bechtel National, Inc.. Attachment 1 is a summary of the samples that were reviewed for each analysis.

LDC Pro*ect # 1808:

SDG #	Fraction
K9601568	Uranium

The above SDG was reviewed using NEESA Level "C" guidelines. The analysis was validated using the following documents, as applicable to each method:

NEESA document 20.2-047B, Sampling and Chemical Analysis Quality Assurance Requirements for the Navy Installation Restoration Program, June 1988.

USEPA, Contract Laboratory Program National Functional Guidelines for Inorganic Data Review, February 1994

The data validators did utilize their professional judgement when evaluating the data to achieve the most complete and accurate assessment of the data. The data packages were reviewed according to the above stated validation procedures.

For uranium analyses, no significant findings were observed.

In general, the data for all analyses appear usable with the limitations noted in the Data Validation Reports. Data validation flags were noted on the Laboratory Form is and included with each validation report.

Sinc

Richard M. Amano
President/Principal Chemist

Salton Sea Test Base, CTO 097
Data Validation Reports
LDC#.1808

Uranium

LDC Report# 1808A4

Laboratory Data Consultants, Inc.
Data Validation Report

Project/Site Name:	Salton Sea Test Base, CTO 97
Collection Date:	February 21, 1996
LDC Report Date:	April 9, 1996
Matrix:	Water
Parameters:	Uranium
Laboratory:	Columbia Analytical Services, Inc.

Sample Delivery Group (SDG): K9601568

Sample Identification

097G10860
097DO1761
097G10961

1. Technical Holding Times

All technical holding time requirements were met.

II. **Calibration**

An initial calibration was performed.

The frequency and analysis criteria of the initial calibration verification (ICV) and continuing calibration verification (CCV) were met.

111. **Blanks**

Method blanks were reviewed for each matrix as applicable.

Data qualification by the initial, continuing and preparation blanks (ICB/CCB/PBs) was based on the maximum contaminant concentration in the ICB/CCB/PBs in the analysis of each element. No contaminant concentrations were found above the reporting limit in the initial, continuing and preparation blanks.

IV. **ICP Interference Check Sample (ICS) Analysis**

Not required by the method.

V. Laboratory Control Samples (LCS)

Laboratory control samples were reviewed for each matrix as applicable. Percent recoveries were within validation criteria.

VI. **Duplicate Sample Analysis**

Duplicate sample analyses were reviewed for each matrix as applicable. Relative percent differences (RPD) were within QC limits.

Vil. **Matrix Spike Analysis**

Matrix spike analyses were reviewed for each matrix as applicable. Percent recoveries (%R) were within QC limits of 75-125% .

Vill. Internal Standards (ICP-MS)

All internal standard percent recoveries were within QC limits of 60-125%

IX. **Furnace Atomic Absorption OC**

Not required by the method.

Salton Sea Test Base, CTO 97
Uranium - Data Qualification Summary - SDG K9601568

No Sample Data Qualified in this SDG

Salton Sea Test Base, CTO 97
Uranium - Laboratory Blank Data Qualification Summary - SDG K9601568

No Sample Data Qualified in this SDG

X. ICP **Serial Dilution**
Not required by the method.
X1. **Sample Result Verification**
Raw data were not reviewed for this SDG.
X11. Overall Assessment of Data
Data flags have been summarized at the end of this report.
X111. Field Duplicates
No field duplicates were identified in this SDG.
IX. Field Blanks
No field blanks were identified in this SDG.

1 a08A4.6C3

Introduction

This data review covers 3 **water samples listed** on the cover sheet including dilutions and reanalysis as applicable. The analyses were per EPA Method 200.8 for Uranium.

This review follows a modified outline of the USEPA Contract Laboratory Program National Functional Guidelines for Inorganic Data Review (February 1994) as there are no current guidelines for EPA Method 200.8. The modifications were based on EPA Method 200.8.

A table summarizing all data qualification flags is provided at the end of this report. Flags are classified as P (protocol) or A (advisory) to indicate whether the flag is due to a laboratory deviation from specified protocols or is of technical advisory nature.

Blanks are summarized in Section Ill.

Field duplicates are summarized in Section Xill.

Raw data were not reviewed for this SDG. The review was based on QC data.

The following are definitions of the data qualifiers:

U Indicates the compound or element was analyzed for but not detected at or above the stated limit.

indicates an estimated value.

R Quality control indicates the data is not usable.

N Presumptive evidence of presence of the constituent.

Indicates the compound or element was analyzed for but not detected. The sample detection limit is an estimated value.

Vil. **System Performance.**

Raw data were not reviewed for this SDG.

Vill. **Overall Assessment of Data**

Data flags have been summarized at the end of this report.

IX **Field Duplicates**

No field duplicates were identified in this SDG.

X. **Field Blanks**

Samples 097BOO833 and 097BOO931 were identified as source blanks. No aromatic volatile organic contaminants were found in these blanks.

Introduction

This data review covers 2 water samples listed on the cover sheet including dilutions and reanalysis as applicable. The analyses were per EPA SW 846 Method 8020 for Aromatic Volatile Organics which include Benzene, Toluene, Ethylbenzene and Xylenes (BTEX).

This review follows a modified outline of the USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review (February 1994) as there are no current guidelines for EPA SW 846 Method 8020. The modifications were based on EPA SW W Method 8020.

A table summarizing all data qualification is provided at the end of this report. Flags are classified as P (protocol) or A (advisory) to indicate whether the flag is due to a laboratory deviation from a specified protocol or is of technical advisory nature.

Blank results are summarized in Section 111.

Field duplicates are summarized in Section IX.

Raw data were not reviewed for this SDG. The review was based on QC data.

The following are definitions of the data qualifiers:

U Indicates the compound or element was analyzed for but not detected at or above the stated limit.

i Indicates an estimated value.

R Quality control indicates the data is not usable.

N Presumptive evidence of presence of the constituent.

Indicates the compound or element was analyzed for but not detected. The sample detection limit is an estimated value.

VII. **System Performance**

Raw data were not reviewed for this SDG.

VIII. **Overall Assessment of Data**

Data flags have been summarized at the end of this report.

IX **Field Duplicates**

Samples 097DO1643 and 097G10641 were identified as field duplicates. No aromatic volatile organics were detected in any of the samples.

X. **Field Blanks**

Sample 097TO3541 was identified as a trip blank. No aromatic volatile organic contaminants were found in this blank.

Sample 097R 10441 was identified as a rinsate. No aromatic volatile organic contaminants were found in this blank.

Introduction

This data review covers 9 water samples listed on the cover sheet including dilutions and reanalysis as applicable. The analyses were per EPA SW 846 Method 8020 for Aromatic Volatile Organics which include Benzene, Toluene, Ethylbenzene and Xylenes (BTEX) -

This review follows a modified outline of the USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review (February 1994) as there are no current guidelines for EPA SW 846 Method 8020. The modifications were based on EPA SW 846 Method 8020.

A table summadzing all data qualification is provided at the end of this report. Flags are classified as P (protocol) or A (advisory) to indicate whether the flag is due to a laboratory deviation from a specified protocol or is of technical advisory nature.

Blank results are summarized in Section 111.

Field duplicates are summarized in Section IX.

Raw data were not reviewed for this SDG. The review was based on QC data.

The following are definitions of the data qualifiers:

U Indicates the compound or element was analyzed for but not detected at or above the stated limit.

i Indicates an estimated value.

R Quality control indicates the data is not usable.

N Presumptive evidence of presence of the constituent.

UJ Indicates the compound or element was analyzed for but not detected. The sample detection limit is an estimated value.

V. Target Compound Identification

Raw data were not reviewed for this SDG.

VI. Compound Quantitation and CRQLs

Raw data were not reviewed for this SDG.

VII. System Performance

Raw data were not reviewed for this SDG.

Vill. Overall Assessment of Data

Data flags have been summarized at the end of this report.

IX Field Duplicates

No field duplicates were identified in this SDG.

X. Field Blanks

Sample 097TO3442 was identified as a trip blank. No aromatic volatile organic contaminants were found in this blank.

Sample 097RO9843 was identified as a rinsate. No aromatic volatile organic contaminants were found in this blank.

Introduction

This data **review covers 10 water samples listed on** the cover sheet including dilutions and reanalysis as applicable. The analyses were per EPA SW 846 Method 8020 for Aromatic Volatile Organics which include Benzene, Toluene, Ethylbenzene and Xylenes (BTEX).

This review follows a modified outline of the USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review (February 1994) as there are no current guidelines for EPA SW 846 Method 8020. The modifications were based on EPA SW 846 Method 8020.

A table summarizing all data qualification is provided at the end of this report. Flags are classified as P (protocol) or A (advisory) to indicate whether the flag is due to a laboratory deviation from a specified protocol or is of technical advisory nature.

Blank results are summarized in Section Ill.

Field duplicates are summarized in Section IX.

Raw data were not reviewed for this SDG. The review was based on QC data.

The following are definitions of the data qualifiers:

U Indicates the compound or element was analyzed for but not detected at or above the stated limit.

i Indicates an estimated value.

R Quality control indicates the data is not usable.

N Presumptive evidence of presence of the constituent.

UJ Indicates the compound or element was analyzed for but not detected. The sample detection limit is an estimated value.

Vil. **System Performance**

Raw data were not reviewed for this SDG.

Vill. **Overall Assessment of Data**

Data flags have been summarized at the end of this report,

IX **Field Duplicates**

No field duplicates were identified in this SDG.

X. **Field Blanks**

Sample 097TO3242 was identified as a trip blank.- No aromatic volatile organic contaminants were found in this blank.

Samples 097R10043 and 097RO8943 were identified as rinsates. No aromatic volatile organic contaminants were found in these blanks.

Introduction

This data review covers 11 water samples listed on the cover sheet including dilutions and reanalysis as applicable. The analyses were per EPA SW 846 Method 8020 for Aromatic Volatile Organics which include Benzene, Toluene, Ethylbenzene and Xylenes (BTEX).

This review follows a modified outline of the USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review (February 1994) as there are no current guidelines for EPA SW 846 Method 8020. The modifications were based on EPA SW 846 Method 8020.

A table summarizing all data qualification is provided at the end of this report. Flags are classified as P (protocol) or A (advisory) to indicate whether the flag is due to a laboratory deviation from a specified protocol or is of technical advisory nature.

Blank results are summarized in Section 111.

Field duplicates are summarized in Section IX.

Raw data were not reviewed for this SDG. The review was based on QC data.

The following are definitions of the data qualifiers:

U Indicates the compound or element was analyzed for but not detected at or above the stated limit.

i Indicates an estimated value.

R Quality control indicates the data is not usable.

N Presumptive evidence of presence of the constituent.

UJ Indicates the compound or element was analyzed for but not detected. The sample detection limit is an estimated value.

c. Laboratory Control Samples

Laboratory control samples were reviewed for each matrix as applicable. Percent recoveries were within QC limits.

V. Target Compound Identification

All target compound identifications were within validation criteria.

Vi. **Compound Quantitation and CRQLs**

All compound quantitation and CRQLs were within validation criteria.

VII. **System Performance**

The system performance was acceptable.

Vill. **Overall Assessment of Data**

Data flags have been summarized at the end of this report.

IX. **Field Duplicates**

Samples 097GO9241 and 097DO1542 were identified as field duplicates. No aromatic volatile organics were detected in any of the samples.

X. Field Blanks

Sample 097T03343 was identified as a trip blank. No aromatic volatile organic contaminants were found in this blank.

Sample 097RO9142 was identified as a rinsate. No aromatic volatile organic contaminants were found in this blank.

Introduction

This data review covers 8 water samples listed on the cover sheet including dilutions and reanalysis as applicable. **The analyses were** per EPA SW 846 Method 8020 for Aromatic Volatile Organics which include Benzene, Toluene, Ethylbenzene and Xylenes (BTEX). .

This review follows a modified outline of the USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review (February 1994) as there are no current guidelines for EPA SW 846 Method 8020. The modifications were based on EPA SW 846 Method 8020.

A table summarizing all data qualification is provided at the end of this report. Flags are classified as P (protocol) or A (advisory) to indicate whether the flag is due to a laboratory deviation from a specified protocol or is of technical advisory nature.

Blank results are summarized in Section 111.

Field duplicates are summarized in Section IX.

The following are definitions of the data qualifiers:

U Indicates the compound or element was analyzed for but not detected at or above the stated limit.

i Indicates an estimated value.
R Quality control indicates the data is not usable.
N Presumptive evidence of presence of the constituent.
UJ Indicates the compound or element was analyzed for but not detected. The sample detection limit is an estimated value.

Vil. **System Performance.**

Raw data were not reviewed for this SDG.

Vill. **Overall Assessment of Data**

Data flags have been summarized at the end of this report.

IX **Field Duplicates**

Samples 097G10243 and 097DO1443 were identified as field duplicates. No aromatic volatile organics were detected in any of the samples.

X. **Field Blanks**

Sample 097TO3141 was identified as a trip blank. No aromatic volatile organic contaminants were found in this blank with the following exceptions:

Trip Blank ID	Compound	Concontration (u
097TO3141	oluene	0.3

Sample 097RO5543 was identified as a rinsate. No aromatic volatile organic contaminants were found in this blank.

Introduction

This data review covers 10 water samples listed on the cover sheet including dilutions and reanalysis as applicable. The analyses, were per EPA SW 846 Method 8020 for Aromatic Volatile Organics which include Benzene, Toluene, Ethylbenzene and Xylenes (BTEX).

This review follows a modified outline of the USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review (February 1994) as there are no current guidelines for EPA SW W Method 8020. The modifications were based on EPA SW W Method 8020.

A table summarizing all data qualification is provided at the end of this report. Flags are classified as P (protocol) or A (advisory) to indicate whether the flag is due to a laboratory deviation from a specified protocol or is of technical advisory nature.

Blank results are summarized in Section Ill.

Field duplicates are summarized in Section IX.

Raw data were not reviewed for this SDG. The review was based on QC data.

The following are definitions of the data qualifiers:

U Indicates the compound or element was analyzed for but not detected at or above the stated limit.

i Indicates an estimated value.

R Quality control indicates the data is not usable.

N Presumptive evidence of presence of the constituent.

UJ Indicates the compound or element was analyzed for but not detected. The sample detection limit is an estimated value.

Vil. **System Performance.**

Raw data were not reviewed for this SDG.

Vill. **Overall Assessment of Data**

Data flags have been summarized at the end of this report.

IX Field Duplicates

No field duplicates were identified in this SDG.

X. **Field Blanks**

Sample 097BOO742 was identified as a source blank. No aromatic volatile organic coniaminants were found in this blank.

Introduction

This data review covers one water sample listed on the cover sheet including dilutions and reanalysis as applicable. The analyses were per EPA SW 846 Method 8020 for Aromatic Volatile Organics which include Benzene, Toluene, Ethylbenzene and Xylenes (BTEX).

This review follows a modified outline of the USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review (February 1994) as there are no current guidelines for EPA SW 846 Method 8020. The modifications were based on EPA SW 846 Method 8020.

A table summarizing all data qualification is provided at the end of this report. Flags are classified as P (protocol) or A (advisory) to indicate whether the flag is due to a laboratory deviation from a specified protocol or is of technical advisory nature.

Blank results are summarized in Section 111.

Field duplicates are summarized in Section IX.

Raw data were not reviewed for this SDG. The review was based on QC data.

The following are definitions of the data qualifiers:

U Indicates the compound or element was analyzed for but not detected at or above the stated limit.

i Indicates an estimated value.

R Quality control indicates the data is not usable.

N Presumptive evidence of presence of the constituent.

Indicates the compound or element was analyzed for but not detected. The sample detection limit is an estimated value.

VI. **Compound Quantitation and CRQLs**

All compound quantitation and CRQLs were within validation criteria.

Vill. **System Performance**

The system performance was acceptable.

Vill. **Overall Assessment of Data**

Data flags have been summarized at the end of this report.

IX **Field Duplicates**

No field duplicates were identified in this SDG.

X. **Field Blanks**

Sample 097BOO643 was identified as a source blank. No aromatic volatile organic contaminants were found in this blank.

Salton Sea Test Base, CTO 097
Aromatic Volatile Organics (BTEX) - Data Qualification Summary - SDG K9600753**

No Sample Data Qualified in this SDG

Salton Sea Test Base, CTO 097
Aromatic Volatile Organics (BTEX) - Laboratory Blank Data Qualification Summary - SDG K9600753**

No Sample Data Qualified in this SDG