WESTON MANAGERS DESIGNERS CONSULTANTS
2568A RIVA ROAD
SUITE 300
ANNAPOLIS, MD 21401
PHONE: 301-266-9887

13844

DATE: 24 JANUARY 1990

SUBJECT: ORGANIC DATA VALIDATION FOR SAS 4901C
Site: KEYSTONE SANITATION

FROM: DOUG McINNES DJM
ORGANIC DATA REVIEWER

DON O'BRIEN DJO
ORGANIC DATA REVIEWER

TO: TERRY SIMPSON
ESAT DEPUTY PROJECT OFFICER

THRU: RICHARD DRESSER
ESAT TEAM MANAGER

OVERVIEW

SAS 4901C consisted of fifty-one (51) water samples submitted to Gulf South Environmental Laboratories for the CLP target compound list (TCL) volatiles plus dichlorodifluoromethane. Included in these samples were two (2) preserved blanks, two (2) rinsate blanks, and six (6) trip blanks. Also included were four pairs of field duplicate samples. The samples were analyzed as a Contract Laboratory Program (CLP) Special Analytical Service (SAS).

SUMMARY

All samples were successfully analyzed for all target compounds, with the exception of 2-butanone. All other instrument and method sensitivities were according to the Contract Laboratory Program (CLP) Routine Analytical Service (RAS) protocol.

MAJOR PROBLEM

- The response factor (RF) for 2-butanone was less than 0.05 in the initial and several continuing calibrations. The quantitation limits for this compound were qualified "R". The reported results would have been qualified "L", but were superseded by the "B" qualifier denoting blank contamination. (See Table I in Appendix F for the affected samples).

MINOR PROBLEMS

- Several compounds failed precision criteria for initial and/or continuing calibrations. Quantitation limits for these compounds were qualified "UJ", and positive results were qualified "J" for the affected samples; except when superseded by the "B" qualifier, denoting blank contamination. (See Table I in Appendix F).

- The volatiles analyses of samples 4901C-1 through 4901C-28 inclusive were performed eight (8) to nine (9) days from the date of sample collection. The technical holding time for volatile aromatics in water samples of seven (7) days has been exceeded by one (1) to two (2) days. The quantitation limits for aromatic volatiles were qualified "UL" for these samples. (See Appendix F).

NOTES

- The reported Tentatively Identified Compounds (TIC's) in Appendix D have been reviewed and accepted during data validation.

- The maximum concentrations of compounds found in the trip blanks, preserved blanks, rinsate blanks, or method blanks are listed below. All samples with concentrations of common laboratory contaminants less than ten times (<10X) the blank concentration have been qualified "B" in the data summary. (See Appendix F).

Compound	Concentration
methylene chloride *	38 µg/L
acetone *	23 µg/L
2-butanone *	45 µg/L

* - Common Laboratory Contaminant

- In addition to the usual QC analyses performed for CLP cases, this SAS required the analysis of "Method Spikes" as part of the analytical procedure. The QC acceptance limit for these spikes was a recovery within sixty to one-hundred forty percent (60-140%) of the spiking level of dichlorodifluoromethane. The spiking level for the method spikes was 5 µg/L of dichlorodifluoromethane, the contract required quantitation limit (CRQL). All of the method spikes were within the QC acceptance limits.

- Four pairs of field duplicate samples were collected and analyzed. Only three of these field duplicate pairs had positive results for one or both samples. Following are tables summarizing the results of these analyses, including precision estimates:

Compound	Concentration (µg/L) 4901C-4	4901C-21	RPD
1,1,1-trichloroethane	20 J	ND	IN
tetrachloroethene	15 J	ND	IN

Compound	Concentration (µg/L) 4901C-30	4901C-46	RPD
total-1,2-dichloroethene	3 J	3 J	0
tetrachloroethene	12	11	9

Compound	Concentration (µg/L) 4901C-40	4901C-47	RPD
benzene	7 J	4 J	55

RPD - Relative Percent Difference
ND - Not Detected
IN - Indeterminant

- One of the MS/MSD analysis had compounds other than the spiking compounds present. Following is a table of results and precision estimates for these non-spiked compounds:

MS/MSD Non-Spiked Compounds

Compound	Concentration (µg/L) 4901C-42	4901C-42MS	4901C-42MSD	%RSD
1,1-dichloroethane	4 J	3 J	3 J	17
1,1,1-trichloroethane	3 J	3 J	3 J	0
trichloroethene	3 J	ND	ND	IN
t-1,3-dichloropropene	ND	3 J	3 J	0 +
tetrachoroethene	11	10	10	6
dichlorodifluoromethane	7	57	47	NE

RSD - Relative Standard Deviation
\+ - Relative Percent Difference (RPD)
IN - Indeterminate
NE - Not Evaluated, a spiking compound found during original sample analysis

- In addition to the usual CLP volatile MS/MSD spiking compounds, dichlorodifluoromethane was spiked at a concentration of 50 µg/L. There were no QC acceptance limits set in the SAS request for the spike recoveries or RPD's of dichlorodifluoromethane. The spike recoveries ranged from eighty to one-hundred thirty-six percent (80-136%), and the RPD values ranged from three to twenty-two percent (3-22%) for the dichlorodifluoromethane MS/MSD results. Since no QC acceptance limits were set by the SAS request, no data was qualified based on these results.

All data for SAS 4901C were reviewed in accordance with the Functional Guidelines for Evaluating Organic Analyses with Modifications for use within Region III, and with modifications from the SAS request for this case. The text of this report addresses only those problems affecting usability.

ATTACHMENTS

1) Appendix A - Glossary of Data Qualifiers
2) Appendix B - Data Summary. These include:
   (a) All positive results for target compounds with qualifier codes where applicable.
   (b) All unusable detection limits (qualified "R").
3) Appendix C - Results as Reported by the Laboratory for All Target Compounds
4) Appendix D - Reviewed and Corrected Tentatively Identified Compounds
5) Appendix E - Organic Regional Data Assessment Summary
6) Appendix F - Support Documentation

DCN - DM001A10

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Appendix A

Glossary of Data Qualifiers

GLOSSARY OF DATA QUALIFIER CODES (ORGANIC)

CODES RELATING TO IDENTIFICATION
(confidence concerning presence or absence of compounds):

U = Not detected. The associated number indicates approximate sample concentration necessary to be detected.

(NO CODE) = Confirmed identification.

B = Not detected substantially above the level reported in laboratory or field blanks.

R = Unreliable result. Analyte may or may not be present in the sample. Supporting data necessary to confirm result.

N = Tentative identification. Consider present. Special methods may be needed to confirm its presence or absence in future sampling efforts.

CODES RELATED TO QUANTITATION
(can be used for both positive results and sample quantitation limits):

J = Analyte present. Reported value may not be accurate or precise.

K = Analyte present. Reported value may be biased high. Actual value is expected to be lower.

L = Analyte present. Reported value may be biased low. Actual value is expected to be higher.

UJ = Not detected, quantitation limit may be inaccurate or imprecise.

UL = Not detected, quantitation limit is probably higher.

OTHER CODES

Q = No analytical result.

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Appendix B

Data Summary Forms

DATA SUMMARY FORM: V O L A T I L E S 1

Site Name: KEYSTONE SANITATION

Case #: SAS 4901C Sampling Date(s): 9/18 - 9/25/89

WATER SAMPLES (ug/L)

To calculate sample quantitation limit: (CRQL * Dilution Factor)

CRQL	COMPOUND	Sample No.	4901C-1		4901C-2		4901C-3		4901C-4		4901C-5		4901C-6		4901C-7		4901C-8		4901C-9	
		Dilution Factor	1		1		2		5		1		1		1		1		1	
		Location	MW-1S		MW-AI		MW-AD		MW-3S		MW-BD		MW-CS		MW-CI		MW-CD		MW-DI	
10	Chloromethane																			
10	Bromomethane																			
10	*Vinyl Chloride																			
10	Chloroethane																			
5	*Methylene Chloride		8	B	5	B	41	B	150	B	3	B	9	B	3	B	2	B	7	B
10	Acetone				4	B	35	B	92	B	7	B								
5	Carbon Disulfide										8									
5	*1,1-Dichloroethene																			
5	1,1-Dichloroethane																			
5	*Total-1,2-Dichloroethene																			
5	Chloroform																			
5	*1,2-Dichloroethane							UJ		UJ		UJ				UJ		UJ		UJ
10	*2-Butanone			R		R		R		R		R		R		R		R		R
5	*1,1,1-Trichloroethane								20	J										
5	*Carbon Tetrachloride																			
10	Vinyl Acetate																			
5	Bromodichloromethane																			

CRDL = Contract Required Detection Limit

*Action Level Exists

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AR306348

DATA SUMMARY FORM: V O L A T I L E S 2

Site Name: KEYSTONE SANITATION

Case #: SMS 4901C Sampling Date(s): 9/18 - 9/28/89

WATER SAMPLES
(ug/L)

To calculate sample quantitation limit:
(CRQL * Dilution Factor)

CRQL	COMPOUND	Sample No.	4901C-1		4901C-2		4901C-3		4901C-4		4901C-5		4901C-6		4901C-7		4901C-8		4901C-9	
		Dilution Factor	1		1		2		5		1		1		1		1		1	
		Location	MW-1S		MW-1I		MW-1D		MW-2S		MW-2D		MW-3S		MW-3I		MW-3D		MW-DI	
5	*1,2-Dichloropropane																			
5	Cis-1,3-Dichloropropene																			
5	Trichloroethene																			
5	Dibromochloromethane																			
5	1,1,2-Trichloroethane																			
5	*Benzene		UL		UL		UL		UL		UL		UL		UL		UL		UL	
5	Trans-1,3-Dichloropropene																			
5	Bromoform																			
10	4-Methyl-2-pentanone																			
10	2-Hexanone																			
5	*Tetrachloroethene								15	J										
5	1,1,2,2-Tetrachloroethane																			
5	*Toluene		UL		UL		UL		UL		UL		UL		UL		UL		UL	
5	*Chlorobenzene		↓		↓		↓		↓		↓		↓		↓		↓		↓	
5	*Ethylbenzene																			
5	*Styrene																			
5	*Total Xylenes		↓		↓		↓		↓		↓		↓		↓		↓		↓	

5 DICHLORODIFLUOROMETHANE

CRDL = Contract Required Detection Limit

*Action Level Exists

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DATA SUMMARY FORM: V O L A T I L E S 1

Site Name: KEYSTONE SANITATION

Case #: SAS 4901C Sampling Date(s): 9/18 - 9/28/89

WATER SAMPLES
(ug/L)

To calculate sample quantitation limit:
(CRQL * Dilution Factor)

CRQL	COMPOUND	Sample No.	4901C-10		4901C-11		4901C-12		4901C-13		4901C-14		4901C-15		4901C-16		4901C-17		4901C-18	
		Dilution Factor	5		1		10		1		5		1		1		1		5	
		Location	MW-EI		MW-FS		MW-FD		MW-GS		MW-GI		MW-GD		MW-HS		MW-HD		MW-IS	
10	Chloromethane			UJ						UJ		UJ								UJ
10	Bromomethane			UJ						UJ		UJ								UJ
10	*Vinyl Chloride														4	J				
10	Chloroethane														10		3	J		
5	*Methylene Chloride			UJ	12	B	280	B	4	B	110	B	19	B	30	B	22	B	100	B
10	Acetone			UJ			150	B		UJ	90	B	51	B						UJ
5	Carbon Disulfide								7				7				5			
5	*1,1-Dichloroethene														26		5			
5	1,1-Dichloroethane														28		6			
5	*Total-1,2-Dichloroethene																			
5	Chloroform																			
5	*1,2-Dichloroethane							UJ												
10	*2-Butanone			R		R		R		R		R	14	B		R		R		R
5	*1,1,1-Trichloroethane														3	J	19			
5	*Carbon Tetrachloride																			
10	Vinyl Acetate																			
5	Bromodichloromethane																			

CRDL = Contract Required Detection Limit

*Action Level Exists

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AR306350

DATA SUMMARY FORM: VOLATILES 2

Site Name: KEYSTONE SANITATION

Case #: SMS 4901C Sampling Date(s): 9/18-9/28/89

WATER SAMPLES (ug/L)

To calculate sample quantitation limit: (CRQL * Dilution Factor)

CRQL	COMPOUND	Sample No.	4901C-10		4901C-11		4901C-12		4901C-13		4901C-14		4901C-15		4901C-16		4901C-17		4901C-18	
		Dilution Factor	5		1		10		1		5		1		1		1		5	
		Location	MW-EI		MW-FS		MW-FD		MW-GS		MW-GI		MW-GD		MW-HS		MW-HD		MW-IS	
5	*1,2-Dichloropropane																			
5	Cis-1,3-Dichloropropene																			
5	Trichloroethene														18		6			
5	Dibromochloromethane																			
5	1,1,2-Trichloroethane																			
5	*Benzene			UL		UL		UL		UL		UL		UL		UL		UL		UL
5	Trans-1,3-Dichloropropene																			
5	Bromoform																			
10	4-Methyl-2-pentanone																			
10	2-Hexanone			UJ						UJ		UJ								UJ
5	*Tetrachloroethene														9		8			
5	1,1,2,2-Tetrachloroethane																			
5	*Toluene			UL		UL		UL		UL		UL		UL		UL		UL		UL
5	*Chlorobenzene																			
5	*Ethylbenzene																			
5	*Styrene																			
5	*Total Xylenes																			

5 DICHLORODIFLUOROMETHANE

CRQL = Contract Required Detection Limit

*Action Level Exists

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AR306351

DATA SUMMARY FORM: V O L A T I L E S 1

Site Name: KEYSTONE SANITATION

Case #: SAS 4901C Sampling Date(s): 9/18-9/28/89

WATER SAMPLES
(ug/L)

To calculate sample quantitation limit:
(CRQL * Dilution Factor)

CRQL	COMPOUND	Sample No.	4901C-19		4901C-20		4901C-21		4901C-22		4901C-23		4901C-24		4901C-25		4901C-26		4901C-27	
		Dilution Factor	1		1		10		1		1		1		1		1		1	
		Location	MW-11		MW-1D		MW-BSD (Dup. of 4901-C4)		MW-FSD (Dup of 4901-C11)		MW-01B (PES. BLK-1)		MW-OR1 (RINSATE)		MW-01F (FIELD BLANK)		MW-01T (TRIP BLANK)		MW-02T (TRIP BLANK)	
10	Chloromethane			UJ		UJ								UJ						
10	Bromomethane			UJ		UJ								UJ		UJ				
10	*Vinyl Chloride																			
10	Chloroethane															UJ				
5	*Methylene Chloride		9	B	14	B	250	B	27	B	7	B	9	B	38	B	27	B	4	B
10	Acetone			UJ		UJ	130	B			6	B		UJ		UJ	6	B		
5	Carbon Disulfide																			
5	*1,1-Dichloroethene																			
5	1,1-Dichloroethane																			
5	*Total-1,2-Dichloroethene																			
5	Chloroform																			
5	*1,2-Dichloroethane							UJ				UJ								UJ
10	*2-Butanone			R		R		R		R		R		R		R		R		R
5	*1,1,1-Trichloroethane																			
5	*Carbon Tetrachloride																			
10	Vinyl Acetate																			
5	Bromodichloromethane																			

CRDL = Contract Required Detection Limit

*Action Level Exists

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AR306352

DATA SUMMARY FORM: V O L A T I L E S 2

Site Name: KEYSTONE SANITATION

WATER SAMPLES
(ug/L)

Case #: SAS 4901C Sampling Date(s): 9/18 - 9/28/89

To calculate sample quantitation limit:
(CRQL * Dilution Factor)

CRQL	COMPOUND	Sample No. / Dilution Factor / Location																			
		4901C-19 / 1 / MW-II		4901C-20 / 1 / MW-ID		4901C-21 / 10 / MW-BSD (Dup. of 4901-C11)		4901C-22 / 1 / MW-FSD (Dup. of 4901-C11)		4901C-23 / 1 / MW-01B (PREP. BLANK)		4901C-24 / 1 / MW-OR1 (RINSATE)		4901C-25 / 1 / MW-01F (FIELD BLANK)		4901C-26 / 1 / MW-01T (TRIP BLANK)		4901C-27 / 1 / MW-02T (TRIP BLANK)	
5	*1,2-Dichloropropane																				
5	Cis-1,3-Dichloropropene																				
5	Trichloroethene																				
5	Dibromochloromethane																				
5	1,1,2-Trichloroethane																				
5	*Benzene		UL		UL		UL		UL		UL		UL		UL		UL		UL		
5	Trans-1,3-Dichloropropene																				
5	Bromoform																				
10	4-Methyl-2-pentanone																				
10	2-Hexanone		UJ		UJ								UJ		UJ						
5	*Tetrachloroethene																				
5	1,1,2,2-Tetrachloroethane																				
5	*Toluene		UL		UL		UL		UL		UL		UL		UL		UL		UL		
5	*Chlorobenzene		↓		↓		↓		↓		↓		↓		↓		↓		↓		↓
5	*Ethylbenzene																				
5	*Styrene																				
5	*Total Xylenes		↓		↓		↓		↓		↓		↓		↓		↓		↓		↓

5 DICHLORODIFLUOROMETHANE

CRDL = Contract Required Detection Limit

*Action Level Exists

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DATA SUMMARY FORM: V O L A T I L E S 1

Site Name: KEYSTONE SANITATION

Case #: 595 4901C Sampling Date(s): 6/18 - 9/28/89

WATER SAMPLES
(ug/L)

To calculate sample quantitation limit:
(CRQL * Dilution Factor)

CRQL	COMPOUND	Sample No.	4901C-28		4901C-27		4901C-30		4901C-31		4901C-32		4901C-33		4901C-34		4901C-36		4901C-37	
		Dilution Factor	1		1		1		1		1		1		1		1		1	
		Location	MW-03T (TRIP BLANK)		MW-MD1		MW-MD2		MW-MD3		MW-MD4		MW-MD5		MW-MD6		MW-MD8		MW-MD9	
10	Chloromethane																			
10	Bromomethane			UJ		UJ				UJ						UJ				UJ
10	*Vinyl Chloride																			
10	Chloroethane			UJ		UJ				UJ						UJ				UJ
5	*Methylene Chloride		13	B	49	B	21	B	4	B	10	B	10	B	5	B	5	B	17	B
10	Acetone			UJ	8	B	6	B		UJ		UJ		UJ		UJ		UJ		UJ
5	Carbon Disulfide																			
5	*1,1-Dichloroethene																			
5	1,1-Dichloroethane																			
5	*Total-1,2-Dichloroethene						3	J												
5	Chloroform																			
5	*1,2-Dichloroethane																			
10	*2-Butanone			R		R		R		R		R		R		R		R		R
5	*1,1,1-Trichloroethane																			
5	*Carbon Tetrachloride																			
10	Vinyl Acetate							UJ				UJ		UJ						
5	Bromodichloromethane																	UJ		

CRDL = Contract Required Detection Limit

*Action Level Exists

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AR306354

DATA SUMMARY FORM: V O L A T I L E S 2

Site Name: KEY STONE SANITATION

WATER SAMPLES
(ug/L)

Case #: SAS 4901C Sampling Date(s): 9/18 - 9/28/89

To calculate sample quantitation limit:
(CRQL * Dilution Factor)

	Sample No.	4901C-28		4901C-29		4901C-30		4901C-31		4901C-32		4901C-33		4901C-34		4901C-36		4901C-37	
	Dilution Factor	1		1		1		1		1		1		1		1		1	
	Location	MW-03T (TRIP BLANK)		MW-MD1		MW-MD2		MW-MD3		MW-MD4		MW-MD5		MW-MD6		MW-MD8		MW-MD9	
CRQL	COMPOUND																		
5	*1,2-Dichloropropane																		
5	Cis-1,3-Dichloropropene																		
5	Trichloroethene																		
5	Dibromochloromethane																		
5	1,1,2-Trichloroethane																		
5	*Benzene		UL																
5	Trans-1,3-Dichloropropene																		
5	Bromoform																		
10	4-Methyl-2-pentanone																		
10	2-Hexanone		UJ		UJ				UJ						UJ				UJ
5	*Tetrachloroethene					12													
5	1,1,2,2-Tetrachloroethane																		
5	*Toluene		UL																
5	*Chlorobenzene																		
5	*Ethylbenzene																		
5	*Styrene																		
5	*Total Xylenes																		

5 DICHLORO DIFLUORO METHANE

CRDL = Contract Required Detection Limit

*Action Level Exists

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DATA SUMMARY FORM: VOLATILES 1

Site Name: KEYSTONE SANITATION

Case #: SAS 4901C Sampling Date(s): 9/18-9/28/89

WATER SAMPLES
(ug/L)

To calculate sample quantitation limit:
(CRQL * Dilution Factor)

CRQL	COMPOUND	Sample No.	4901C-38		4901C-40		4901C-41		4901C-42		4901C-43		4901C-44		4901C-45		4901C-46		4901C-47	
		Dilution Factor	1		2		1		1		1		5		1		1		2	
		Location	MW-K1		MW-K3		MW-K4		MW-K5		MW-K6		MW-K7		MW-K8		MW-MD2D (Dup. of 4901C-30)		MW-K3D (Dup. of 4901C-40)	
10	Chloromethane																			
10	Bromomethane			UJ								UJ		UJ		UJ				
10	*Vinyl Chloride		40																	
10	Chloroethane		18	J							7	J		UJ		UJ				
5	*Methylene Chloride		29	B	15	B	19	B	12	B	45	B	74	B	30	B	22	B	29	B
10	Acetone		8	B	19	B		UJ	5	B		UJ	69	B		UJ		UJ	25	B
5	Carbon Disulfide																			
5	*1,1-Dichloroethene		16																	
5	1,1-Dichloroethane		71						4	J	27									
5	*Total-1,2-Dichloroethene		140								18						3	J		
5	Chloroform																			
5	*1,2-Dichloroethane																			
10	*2-Butanone			R		R		R		R		R		R		R		R		R
5	*1,1,1-Trichloroethane		52				16		3	J	3	J	10	J						
5	*Carbon Tetrachloride																			
10	Vinyl Acetate					UJ		UJ		UJ								UJ		UJ
5	Bromodichloromethane																			

CRDL = Contract Required Detection Limit

*Action Level Exists

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AR306356

DATA SUMMARY FORM: V O L A T I L E S 2

Site Name: KEYSTONE SANITATION

Case #: SAS 4901C Sampling Date(s): 9/18- 9/28/89

WATER SAMPLES
(ug/L)

To calculate sample quantitation limit:
(CRQL * Dilution Factor)

CRQL	COMPOUND	Sample No.	4901C-38		4901C-40		4901C-41		4901C-42		4901C-43		4901C-44		4901C-45		4901C-46		4901C-47	
		Dilution Factor	1		2		1		1		1		5		1		1		2	
		Location	MW-K1		MW-K3		MW-K4		MW-K5		MW-K6		MW-K7		MW-K8		MW-102D (Dup of 4901C-30)		MW-K3D (Dup. of 4901C-40)	
5	*1,2-Dichloropropane																			
5	Cis-1,3-Dichloropropene																			
5	Trichloroethene		57						3	J	27									
5	Dibromochloromethane																			
5	1,1,2-Trichloroethane																			
5	*Benzene		14		7	J													4	J
5	Trans-1,3-Dichloropropene																			
5	Bromoform																			
10	4-Methyl-2-pentanone																			
10	2-Hexanone			UJ		UJ						UJ		UJ		UJ				
5	*Tetrachloroethene		48				18		11		23						11			
5	1,1,2,2-Tetrachloroethane																			
5	*Toluene																			
5	*Chlorobenzene																			
5	*Ethylbenzene																			
5	*Styrene																			
5	*Total Xylenes																			

5 DICHLORODIFLUORO METHANE 4 J 48 7 12 16

CRQL = Contract Required Detection Limit

*Action Level Exists

SEE NARRATIVE FOR CODE DEFINITIONS

NOTE RESULTS

revised 12/88

AR306357

DATA SUMMARY FORM: VOLATILES 1

Site Name: KEYSTONE SANITATION

Case #: SAS 4901C Sampling Date(s): 9/18 - 9/28/89

WATER SAMPLES
(ug/L)

To calculate sample quantitation limit:
(CRQL * Dilution Factor)

CRQL	COMPOUND	Sample No.	4901C-48		4901C-49		4901C-50		4901C-51		4901C-52		4901C-53							
		Dilution Factor	1		1		1		1		1		1							
		Location	MW-02B		MW-02R		MW-02F		MW-04T		MW-05T		MW-06T							
			(PRE RINSE)		(RINSATE)		(FIELD BLANK)		(TRIP BLANK)		(TRIP BLANK)		(TRIP BLANK)							
10	Chloromethane																			
10	Bromomethane									UJ										
10	*Vinyl Chloride																			
10	Chloroethane									UJ										
5	*Methylene Chloride		19	B	7	B	10	B	27	B	10	B	10	B						
10	Acetone		9	B	7	B	7	B	8	B		UJ	9	B						
5	Carbon Disulfide																			
5	*1,1-Dichloroethene																			
5	1,1-Dichloroethane																			
5	*Total-1,2-Dichloroethene																			
5	Chloroform																			
5	*1,2-Dichloroethane																			
10	*2-Butanone		31	B	24	B	45	L	42	B		R	27	B						
5	*1,1,1-Trichloroethane																			
5	*Carbon Tetrachloride																			
10	Vinyl Acetate			UJ		UJ		UJ				UJ		UJ						
5	Bromodichloromethane																			

CRDL = Contract Required Detection Limit

*Action Level Exists

SEE NARRATIVE FOR CODE DEFINITIONS

revised 12/88

AR306358

DATA SUMMARY FORM: V O L A T I L E S 2

Site Name: KEYSTONE SANITATION

WATER SAMPLES
(ug/L)

Case #: 545 4901C Sampling Date(s): 9/18- 9/28/89

To calculate sample quantitation limit:
(CRQL * Dilution Factor)

CRQL	COMPOUND	Sample No.	4901C-48		4901C-49		4901C-50		4901C-51		4901C-52		4901C-53							
		Dilution Factor	1		1		1		1		1		1							
		Location	MW-02 B		MW-02 R		MW-02 F		MW-04T		MW-05T		MW-06T							
			(PRES. BLANK)		(RINSATE)		(FIELD BLANK)		(TRIP BLANK)		(TRIP BLANK)		(TRIP BLANK)							
5	*1,2-Dichloropropane																			
5	Cis-1,3-Dichloropropene																			
5	Trichloroethene																			
5	Dibromochloromethane																			
5	1,1,2-Trichloroethane																			
5	*Benzene																			
5	Trans-1,3-Dichloropropene																			
5	Bromoform																			
10	4-Methyl-2-pentanone																			
10	2-Hexanone				UJ		UJ		UJ		UJ		UJ							
5	*Tetrachloroethene																			
5	1,1,2,2-Tetrachloroethane																			
5	*Toluene																			
5	*Chlorobenzene																			
5	*Ethylbenzene																			
5	*Styrene																			
5	*Total Xylenes																			

5 DICHLORODIFLUOROMETHANE

CRQL = Contract Required Detection Limit *Action Level Exists SEE NARRATIVE FOR CODE DEFINITIONS

revised 12/88

WESTON SM

Appendix C

Results as Reported by the Laboratory
for all Target Compounds

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

4901C1

Lab Name: G S E L I Contract: _____

Lab Code: GULF Case No.: _____ SAS No.: 4901C SDG No.: ~~FI755~~ 5777

Matrix: (soil/water) WATER Lab Sample ID: CRP03

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: VOCRP03

Level: (low/med) LOW Date Received: 09/19/89

% Moisture: not dec. ____ Date Analyzed: 09/26/89

Column: (pack/cap) PACK Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-97-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	8	B
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	5	U
75-35-4	1,1-Dichloroethene	5	U
75-34-3	1,1-Dichloroethane	5	U
540-59-0	1,2-Dichloroethene (total)	5	U
67-66-3	Chloroform	5	U
107-06-2	1,2-Dichloroethane	5	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	5	U
56-23-5	Carbon Tetrachloride	5	U
108-05-4	Vinyl Acetate	10	U
75-27-4	Bromodichloromethane	5	U
78-87-5	1,2-Dichloropropane	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
79-01-6	Trichloroethene	5	U
124-48-1	Dibromochloromethane	5	U
79-00-5	1,1,2-Trichloroethane	5	U
71-43-2	Benzene	5	U
10061-02-6	Trans-1,3-Dichloropropene	5	U
75-25-2	Bromoform	5	U
108-10-1	4-Methyl-2-Pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	5	U
79-34-5	1,1,2,2-Tetrachloroethane	5	U
108-88-3	Toluene	5	U
108-90-7	Chlorobenzene	5	U
100-41-4	Ethylbenzene	5	U
100-42-5	Styrene	5	U
1330-20-7	Xylene (total)	5	U
75-71-8	DICHLORODIFLUOROMETHANE	5	U

AR306361

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

4901C2

Lab Name: G S E L I Contract: _____

Lab Code: GULF Case No.: _____ SAS No.: 4901C SDG No.: ~~E2755~~ 8m

Matrix: (soil/water) WATER Lab Sample ID: CRP07

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: VOCRP07R

Level: (low/med) LOW Date Received: 09/19/89

% Moisture: not dec. ____ Date Analyzed: 09/26/89

Column: (pack/cap) CAP Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	5 ~~17~~	B CHM
67-64-1	Acetone	4 ~~6~~	B CHM
75-15-0	Carbon Disulfide	5	U
75-35-4	1,1-Dichloroethene	5	U
75-34-3	1,1-Dichloroethane	5	U
540-59-0	1,2-Dichloroethene (total)	5	U
67-66-3	Chloroform	5	U
107-06-2	1,2-Dichloroethane	5	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	5	U
56-23-5	Carbon Tetrachloride	5	U
108-05-4	Vinyl Acetate	10	U
75-27-4	Bromodichloromethane	5	U
78-87-5	1,2-Dichloropropane	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
79-01-6	Trichloroethene	5	U
124-48-1	Dibromochloromethane	5	U
79-00-5	1,1,2-Trichloroethane	5	U
71-43-2	Benzene	5	U
10061-02-6	Trans-1,3-Dichloropropene	5	U
75-25-2	Bromoform	5	U
108-10-1	4-Methyl-2-Pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	5	U
79-34-5	1,1,2,2-Tetrachloroethane	5	U
108-88-3	Toluene	5	U
108-90-7	Chlorobenzene	5	U
100-41-4	Ethylbenzene	5	U
100-42-5	Styrene	5	U
1330-20-7	Xylene (total)	5	U
75-71-8	DICHLORODIFLUROMETHANE	~~5~~	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

4901C3

Lab Name: G S E L I Contract: _____

Lab Code: GULF Case No.: _____ SAS No.: 4901C SDG No.: F1755 .5m

Matrix: (soil/water) WATER Lab Sample ID: CRF10

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: VOCRF10

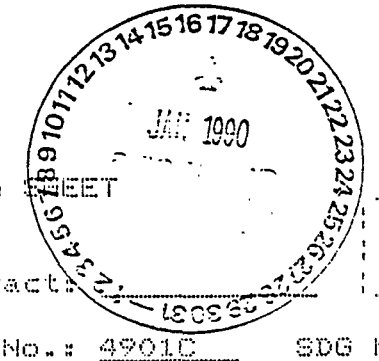
Level: (low/med) LOW Date Received: 09/19/89

% Moisture: not dec. ____ Date Analyzed: 09/27/89

Column: (pack/cap) PACK Dilution Factor: 2.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	20	U
74-83-9	Bromomethane	20	U
75-01-4	Vinyl Chloride	20	U
75-00-3	Chloroethane	20	U
75-09-2	Methylene Chloride	44	B
67-64-1	Acetone	35	B
75-15-0	Carbon Disulfide	10	U
75-35-4	1,1-Dichloroethene	10	U
75-34-3	1,1-Dichloroethane	10	U
540-59-0	1,2-Dichloroethene (total)	10	U
67-66-3	Chloroform	10	U
107-06-2	1,2-Dichloroethane	10	U
78-93-3	2-Butanone	20	U
71-55-6	1,1,1-Trichloroethane	10	U
56-23-5	Carbon Tetrachloride	10	U
108-05-4	Vinyl Acetate	20	U
75-27-4	Bromodichloromethane	10	U
78-87-5	1,2-Dichloropropane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
79-01-6	Trichloroethene	10	U
124-48-1	Dibromochloromethane	10	U
79-00-5	1,1,2-Trichloroethane	10	U
71-43-2	Benzene	10	U
10061-02-6	Trans-1,3-Dichloropropene	10	U
75-25-2	Bromoform	10	U
108-10-1	4-Methyl-2-Pentanone	20	U
591-78-6	2-Hexanone	20	U
127-18-4	Tetrachloroethene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
108-88-3	Toluene	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
100-42-5	Styrene	10	U
1330-20-7	Xylene (total)	10	U
75-71-8	DICHLORO DIFLUOROMETHANE	10	U

Resubmission 1/15/90 CHM



1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

4901C4

Lab Name: G S E L I Contract:

Lab Code: GULF Case No.: SAS No.: 4901C SDG No.: ~~F2755~~ 8m

Matrix: (soil/water) WATER Lab Sample ID: CRU02

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: VOCRU02

Level: (low/med) LOW Date Received: 09/20/89

% Moisture: not dec. Date Analyzed: 09/27/89

Column: (pack/cap) PACK Dilution Factor: 5.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	50	U
74-83-9	Bromomethane	50	U
75-01-4	Vinyl Chloride	50	U
75-00-3	Chloroethane	50	U
75-09-2	Methylene Chloride	150	B
67-64-1	Acetone	92	B
75-15-0	Carbon Disulfide	25	U
75-35-4	1,1-Dichloroethene	25	U
75-34-3	1,1-Dichloroethane	25	U
540-59-0	1,2-Dichloroethene (total)	25	U
67-66-3	Chloroform	25	U
107-06-2	1,2-Dichloroethane	25	U
78-93-3	2-Butanone	50	U
71-55-6	1,1,1-Trichloroethane	20	J
56-23-5	Carbon Tetrachloride	25	U
108-05-4	Vinyl Acetate	50	U
75-27-4	Bromodichloromethane	25	U
78-87-5	1,2-Dichloropropane	25	U
10061-01-5	cis-1,3-Dichloropropene	25	U
79-01-6	Trichloroethene	25	U
124-48-1	Dibromochloromethane	25	U
79-00-5	1,1,2-Trichloroethane	25	U
71-43-2	Benzene	25	U
10061-02-6	Trans-1,3-Dichloropropene	25	U
75-25-2	Bromoform	25	U
108-10-1	4-Methyl-2-Pentanone	50	U
591-78-6	2-Hexanone	50	U
127-18-4	Tetrachloroethene	15	J
79-34-5	1,1,2,2-Tetrachloroethane	25	U
108-88-3	Toluene	25	U
108-90-7	Chlorobenzene	25	U
100-41-4	Ethylbenzene	25	U
100-42-5	Styrene	25	U
1330-20-7	Xylene (total)	25	U
75-71-8	DICHLORODIFLUROMETHANE	25	a

CHM

AR306364

Resubmission
1/15/90 CHM

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
4901C5

Lab Name: S S E L I Contract:

Lab Code: GULF Case No.: SAS No.: 4901C SDG No.: ~~E7755~~ 8511

Matrix: (soil/water) WATER Lab Sample ID: CRU04

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: VOCRU04

Level: (low/med) LOW Date Received: ~~09/19/89~~ 20 CHM

% Moisture: not dec. Date Analyzed: 09/27/89

Column: (pack/cap) PACK Dilution Factor: 1.0

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	3	BJ
67-64-1	Acetone	7	BJ
75-15-0	Carbon Disulfide	8	
75-35-4	1,1-Dichloroethene	5	U
75-34-3	1,1-Dichloroethane	5	U
540-59-0	1,2-Dichloroethene (total)	5	U
67-66-3	Chloroform	5	U
107-06-2	1,2-Dichloroethane	5	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	5	U
56-23-5	Carbon Tetrachloride	5	U
108-05-4	Vinyl Acetate	10	U
75-27-4	Bromodichloromethane	5	U
78-87-5	1,2-Dichloropropane	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
79-01-6	Trichloroethene	5	U
124-48-1	Dibromochloromethane	5	U
79-00-5	1,1,2-Trichloroethane	5	U
71-43-2	Benzene	5	U
10061-02-6	Trans-1,3-Dichloropropene	5	U
75-25-2	Bromoform	5	U
108-10-1	4-Methyl-2-Pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	5	U
79-34-5	1,1,2,2-Tetrachloroethane	5	U
108-88-3	Toluene	5	U
108-90-7	Chlorobenzene	5	U
100-41-4	Ethylbenzene	5	U
100-42-5	Styrene	5	U
1330-20-7	Xylene (total)	5	U
75-71-8	DICHLORO DIFLUORO METHANE	5	U

AR306365

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

4901C6

Lab Name: G S E L I Contract: _____

Lab Code: GULF Case No.: _____ SAS No.: 4901C SDG No.: ~~FJ783~~ 8m

Matrix: (soil/water) WATER Lab Sample ID: CRP12

Sample wt/vol: 5.0 (G/mL) ML Lab File ID: VOCRP12

Level: (low/med) LOW Date Received: 09/19/89

% Moisture: not dec. _____ Date Analyzed: 09/26/89

Column: (pack/cap) PACK Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	9	B
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	5	U
75-35-4	1,1-Dichloroethene	5	U
75-34-3	1,1-Dichloroethane	5	U
540-59-0	1,2-Dichloroethene (total)	5	U
67-66-3	Chloroform	5	U
107-06-2	1,2-Dichloroethane	5	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	5	U
56-23-5	Carbon Tetrachloride	5	U
108-05-4	Vinyl Acetate	10	U
75-27-4	Bromodichloromethane	5	U
78-87-5	1,2-Dichloropropane	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
79-01-6	Trichloroethene	5	U
124-48-1	Dibromochloromethane	5	U
79-00-5	1,1,2-Trichloroethane	5	U
71-43-2	Benzene	5	U
10061-02-6	Trans-1,3-Dichloropropene	5	U
75-25-2	Bromoform	5	U
108-10-1	4-Methyl-2-Pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	5	U
79-34-5	1,1,2,2-Tetrachloroethane	5	U
108-88-3	Toluene	5	U
108-90-7	Chlorobenzene	5	U
100-41-4	Ethylbenzene	5	U
100-42-5	Styrene	5	U
1330-20-7	Xylene (total)	5	U
75-71-8	DICHLORODIFLUOROMETHANE	5	U

AR306366

Resubmission
1/15/90 CHM

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

4901C7

Lab Name: G S E L I Contract: _____

Lab Code: GULF Case No.: _____ SAS No.: 4901C SDG No.: ~~FJ755~~ SJ771

Matrix: (soil/water) WATER Lab Sample ID: CRU06

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: VOCRU06

Level: (low/med) LOW Date Received: 09/20/89 CHM

% Moisture: not dec. ____ Date Analyzed: 09/27/89

Column: (pack/cap) PACK Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	3	BJ
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	5	U
75-35-4	1,1-Dichloroethene	5	U
75-34-3	1,1-Dichloroethane	5	U
540-59-0	1,2-Dichloroethene (total)	5	U
67-66-3	Chloroform	5	U
107-06-2	1,2-Dichloroethane	5	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	5	U
56-23-5	Carbon Tetrachloride	5	U
108-05-4	Vinyl Acetate	10	U
75-27-4	Bromodichloromethane	5	U
78-87-5	1,2-Dichloropropane	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
79-01-6	Trichloroethene	5	U
124-48-1	Dibromochloromethane	5	U
79-00-5	1,1,2-Trichloroethane	5	U
71-43-2	Benzene	5	U
10061-02-6	Trans-1,3-Dichloropropene	5	U
75-25-2	Bromoform	5	U
108-10-1	4-Methyl-2-Pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	5	U
79-34-5	1,1,2,2-Tetrachloroethane	5	U
108-88-3	Toluene	5	U
108-90-7	Chlorobenzene	5	U
100-41-4	Ethylbenzene	5	U
100-42-5	Styrene	5	U
1330-20-7	Xylene (total)	5	U
75-71-8	DICHLORODIFLUOROMETHANE	5	W

AR306367

Resubmission
1/15/90CHm

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
4901C8

Lab Name: G S E L I Contract:

Lab Code: GULF Case No.: SAS No.: 4901C SDG No.: ~~F7255~~ 5m

Matrix: (soil/water) WATER Lab Sample ID: CRU08

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: VOCRU08

Level: (low/med) LOW Date Received: ~~09/27/89~~ 10CHm

% Moisture: not dec. Date Analyzed: 09/27/89

Column: (pack/cap) PACK Dilution Factor: 1.0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	Q
74-87-3	Chloromethane	U
74-83-9	Bromomethane	U
75-01-4	Vinyl Chloride	U
75-00-3	Chloroethane	U
75-09-2	Methylene Chloride	BJ
67-64-1	Acetone	U
75-15-0	Carbon Disulfide	U
75-35-4	1,1-Dichloroethene	U
75-34-3	1,1-Dichloroethane	U
540-59-0	1,2-Dichloroethene (total)	U
67-66-3	Chloroform	U
107-06-2	1,2-Dichloroethane	U
78-93-3	2-Butanone	U
71-55-6	1,1,1-Trichloroethane	U
56-23-5	Carbon Tetrachloride	U
108-05-4	Vinyl Acetate	U
75-27-4	Bromodichloromethane	U
78-87-5	1,2-Dichloropropane	U
10061-01-5	cis-1,3-Dichloropropene	U
79-01-6	Trichloroethene	U
124-48-1	Dibromochloromethane	U
79-00-5	1,1,2-Trichloroethane	U
71-43-2	Benzene	U
10061-02-6	Trans-1,3-Dichloropropene	U
75-25-2	Bromoform	U
108-10-1	4-Methyl-2-Pentanone	U
591-78-6	2-Hexanone	U
127-18-4	Tetrachloroethene	U
79-34-5	1,1,2,2-Tetrachloroethane	U
108-88-3	Toluene	U
108-90-7	Chlorobenzene	U
100-41-4	Ethylbenzene	U
100-42-5	Styrene	U
1330-20-7	Xylene (total)	U
75-71-8	DICHLORODIFLUOROMETHANE	U

AR306368

Resubmission
1/15/90 ctm

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

4901C9

Lab Name: G S E L I Contract: _____

Lab Code: GULF Case No.: _____ SAS No.: 4901C SDG No.: ~~5755~~ 5777

Matrix: (soil/water) WATER Lab Sample ID: CRU10

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: VOCRU10

Level: (low/med) LOW Date Received: 09/19/89 20 ctm

% Moisture: not dec. _____ Date Analyzed: 09/27/89

Column: (pack/cap) PACK Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	7	B
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	5	U
75-35-4	1,1-Dichloroethene	5	U
75-34-3	1,1-Dichloroethane	5	U
540-59-0	1,2-Dichloroethene (total)	5	U
67-66-3	Chloroform	5	U
107-06-2	1,2-Dichloroethane	5	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	5	U
56-23-5	Carbon Tetrachloride	5	U
108-05-4	Vinyl Acetate	10	U
75-27-4	Bromodichloromethane	5	U
78-87-5	1,2-Dichloropropane	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
79-01-6	Trichloroethene	5	U
124-48-1	Dibromochloromethane	5	U
79-00-5	1,1,2-Trichloroethane	5	U
71-43-2	Benzene	5	U
10061-02-6	Trans-1,3-Dichloropropene	5	U
75-25-2	Bromoform	5	U
108-10-1	4-Methyl-2-Pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	5	U
79-34-5	1,1,2,2-Tetrachloroethane	5	U
108-88-3	Toluene	5	U
108-90-7	Chlorobenzene	5	U
100-41-4	Ethylbenzene	5	U
100-42-5	Styrene	5	U
1330-20-7	Xylene (total)	5	U
75-71-8	DICHLORODIFLUOROMETHANE	5	U

AR306369

000124

Resubmission 1/15/90 cdm

:A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

4901C10

Lab Name: R S E L I Contract:

Lab Code: GULF Case No.: SAS No.: 4201C SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: CSB02

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: VOCSB02

Level: (low/med) LOW Date Received: 09/20/89 21 cdm

% Moisture: not dec. Date Analyzed: 09/28/89

Column: (pack/cap) PACK Dilution Factor: 5.0

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/L	Q
74-97-3	Chloromethane	50	U
74-83-9	Bromomethane	50	U
75-01-4	Vinyl Chloride	50	U
75-00-3	Chloroethane	50	U
75-09-2	Methylene Chloride	25	U
67-64-1	Acetone	50	U
75-15-0	Carbon Disulfide	25	U
75-35-4	1,1-Dichloroethene	25	U
75-34-3	1,1-Dichloroethane	25	U
540-59-0	1,2-Dichloroethene (total)	25	U
67-66-3	Chloroform	25	U
107-06-2	1,2-Dichloroethane	25	U
78-93-3	2-Butanone	50	U
71-55-6	1,1,1-Trichloroethane	25	U
56-23-5	Carbon Tetrachloride	25	U
108-05-4	Vinyl Acetate	50	U
75-27-4	Bromodichloromethane	25	U
78-87-5	1,2-Dichloropropane	25	U
10061-01-5	cis-1,3-Dichloropropene	25	U
79-01-6	Trichloroethene	25	U
124-48-1	Dibromochloromethane	25	U
79-00-5	1,1,2-Trichloroethane	25	U
71-43-2	Benzene	25	U
10061-02-6	Trans-1,3-Dichloropropene	25	U
75-25-2	Bromoform	25	U
108-10-1	4-Methyl-2-Pentanone	50	U
591-78-6	2-Hexanone	50	U
127-18-4	Tetrachloroethene	25	U
79-34-5	1,1,2,2-Tetrachloroethane	25	U
108-88-3	Toluene	25	U
108-90-7	Chlorobenzene	25	U
100-41-4	Ethylbenzene	25	U
100-42-5	Styrene	25	U
1330-20-7	Xylene (total)	25	U
75-71-8	DICHLORODIFLUOROMETHANE	25	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
4901C11

Lab Name: G S E L I Contract: _____

Lab Code: GULF Case No.: _____ SAS No.: 4901C SDG No.: ~~FI755~~ 5711

Matrix: (soil/water) WATER Lab Sample ID: CRF14

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: VOCRF14

Level: (low/med) LOW Date Received: 09/19/89

% Moisture: not dec. ____ Date Analyzed: 09/26/89

Column: (pack/cap) PACK Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	12	B
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	5	U
75-35-4	1,1-Dichloroethene	5	U
75-34-3	1,1-Dichloroethane	5	U
540-59-0	1,2-Dichloroethene (total)	5	U
67-66-3	Chloroform	5	U
107-06-2	1,2-Dichloroethane	5	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	5	U
56-23-5	Carbon Tetrachloride	5	U
108-05-4	Vinyl Acetate	10	U
75-27-4	Bromodichloromethane	5	U
78-87-5	1,2-Dichloropropane	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
79-01-6	Trichloroethene	5	U
124-48-1	Dibromochloromethane	5	U
79-00-5	1,1,2-Trichloroethane	5	U
71-43-2	Benzene	5	U
10061-02-6	Trans-1,3-Dichloropropene	5	U
75-25-2	Bromoform	5	U
108-10-1	4-Methyl-2-Pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	5	U
79-34-5	1,1,2,2-Tetrachloroethane	5	U
108-88-3	Toluene	5	U
108-90-7	Chlorobenzene	5	U
100-41-4	Ethylbenzene	5	U
100-42-5	Styrene	5	U
1330-20-7	Xylene (total)	5	U
75-71-8	DICHLORODIFLUOROMETHANE	5	U

HR306371

Recalculation
1/15/90 CHM

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
4901C12

Lab Name: G S E L I Contract:

Lab Code: GULF Case No.: SAS No.: 4901C SDG No.: ~~F2755~~ 5727

Matrix: (soil/water) WATER Lab Sample ID: CRU12

Sample wt/vol: 500 (g/mL) µL Lab File ID: VOCRU12R

Level: (low/med) LOW Date Received: 20 CHM 09/22/89

% Moisture: not dec. Date Analyzed: 09/27/89

Column: (pack/cap) PACK Dilution Factor: 10

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	100	U
74-83-9	Bromomethane	100	U
75-01-4	Vinyl Chloride	100	U
75-00-3	Chloroethane	100	U
75-09-2	Methylene Chloride	280	B
67-64-1	Acetone	150	B
75-15-0	Carbon Disulfide	50	U
75-35-4	1,1-Dichloroethene	50	U
75-34-3	1,1-Dichloroethane	50	U
540-59-0	1,2-Dichloroethene (total)	50	U
67-66-3	Chloroform	50	U
107-06-2	1,2-Dichloroethane	50	U
78-93-3	2-Butanone	100	U
71-55-6	1,1,1-Trichloroethane	50	U
56-23-5	Carbon Tetrachloride	50	U
108-05-4	Vinyl Acetate	100	U
75-27-4	Bromodichloromethane	50	U
78-87-5	1,2-Dichloropropane	50	U
10061-01-5	cis-1,3-Dichloropropene	50	U
79-01-6	Trichloroethene	50	U
124-48-1	Dibromochloromethane	50	U
79-00-5	1,1,2-Trichloroethane	50	U
71-43-2	Benzene	50	U
10061-02-6	Trans-1,3-Dichloropropene	50	U
75-25-2	Bromoform	50	U
108-10-1	4-Methyl-2-Pentanone	100	U
591-78-6	2-Hexanone	100	U
127-18-4	Tetrachloroethene	50	U
79-34-5	1,1,2,2-Tetrachloroethane	50	U
108-88-3	Toluene	50	U
108-90-7	Chlorobenzene	50	U
100-41-4	Ethylbenzene	50	U
100-42-5	Styrene	50	U
1330-20-7	Xylene (total)	50	U
75-71-8	DICHLORODIFLUOROMETHANE	50	U

Resubmission
1/15/90 cktm

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
4901C13

Lab Name: G S E L I Contract: _____

Lab Code: GULF Case No.: _____ SAS No.: 4901C SDG No.: FJ755 JMM

Matrix: (soil/water) WATER Lab Sample ID: CRU14

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: VOCRU14R

Level: (low/med) LOW Date Received: 09/20/89 20 cktm

% Moisture: not dec. ____ Date Analyzed: 09/28/89

Column: (pack/cap) PACK Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	4	BJ
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	7	
75-35-4	1,1-Dichloroethene	5	U
75-34-3	1,1-Dichloroethane	5	U
540-59-0	1,2-Dichloroethene (total)	5	U
67-66-3	Chloroform	5	U
107-06-2	1,2-Dichloroethane	5	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	5	U
56-23-5	Carbon Tetrachloride	5	U
108-05-4	Vinyl Acetate	10	U
75-27-4	Bromodichloromethane	5	U
78-87-5	1,2-Dichloropropane	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
79-01-6	Trichloroethene	5	U
124-48-1	Dibromochloromethane	5	U
79-00-5	1,1,2-Trichloroethane	5	U
71-43-2	Benzene	5	U
10061-02-6	Trans-1,3-Dichloropropene	5	U
75-25-2	Bromoform	5	U
108-10-1	4-Methyl-2-Pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	5	U
79-34-5	1,1,2,2-Tetrachloroethane	5	U
108-88-3	Toluene	5	U
108-90-7	Chlorobenzene	5	U
100-41-4	Ethylbenzene	5	U
100-42-5	Styrene	5	U
1330-20-7	Xylene (total)	5	U
75-71-8	DICHLORODIFLUOROMETHANE	5	U

AR306373

Resubmission
1/15/90 CAM

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
4901C14

Lab Name: O I L I Contract:

Lab Code: GULF Case No.: SAS No.: 4901C SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: CSB04

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: VOCSB04

Level: (low/med) LOW Date Received: 09/21/89 21 CAM

% Moisture: not dec. Date Analyzed: 09/28/89

Column: (pack/cap) PACK Dilution Factor: 5.0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L Q

CAS NO.	COMPOUND		
74-87-3	Chloromethane	50	U
74-83-9	Bromomethane	50	U
75-01-4	Vinyl Chloride	50	U
75-00-3	Chloroethane	50	U
75-09-2	Methylene Chloride	110	B
67-64-1	Acetone	90	B
75-15-0	Carbon Disulfide	25	U
75-35-4	1,1-Dichloroethene	25	U
75-34-3	1,1-Dichloroethane	25	U
540-59-0	1,2-Dichloroethene (total)	25	U
67-66-3	Chloroform	25	U
107-06-2	1,2-Dichloroethane	25	U
78-93-3	2-Butanone	50	U
71-55-6	1,1,1-Trichloroethane	25	U
56-23-5	Carbon Tetrachloride	25	U
108-05-4	Vinyl Acetate	50	U
75-27-4	Bromodichloromethane	25	U
78-87-5	1,2-Dichloropropane	25	U
10061-01-5	cis-1,3-Dichloropropene	25	U
79-01-6	Trichloroethene	25	U
124-48-1	Dibromochloromethane	25	U
79-00-5	1,1,2-Trichloroethane	25	U
71-43-2	Benzene	25	U
10061-02-6	Trans-1,3-Dichloropropene	25	U
75-25-2	Bromoform	25	U
108-10-1	4-Methyl-2-Pentanone	50	U
591-78-6	2-Hexanone	50	U
127-18-4	Tetrachloroethene	25	U
79-34-5	1,1,2,2-Tetrachloroethane	25	U
108-88-3	Toluene	25	U
108-90-7	Chlorobenzene	25	U
100-41-4	Ethylbenzene	25	U
100-42-5	Styrene	25	U
1330-20-7	Xylene (total)	25	U
75-71-8	DICHLORO DI FLUORO METHANE	25	U

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1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

4901C15

Lab Name: G S E L I Contract: _____

Lab Code: GULF Case No.: _____ SAS No.: 4901C SDG No.: ~~E7755~~ GJM

Matrix: (soil/water) WATER Lab Sample ID: CRP16

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: VOCRP16

Level: (low/med) LOW Date Received: 09/19/89

% Moisture: not dec. ____ Date Analyzed: 09/26/89

Column: (pack/cap) PACK Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	19	B
67-64-1	Acetone	51	B
75-15-0	Carbon Disulfide	7	
75-35-4	1,1-Dichloroethene	5	U
75-34-3	1,1-Dichloroethane	5	U
540-59-0	1,2-Dichloroethene (total)	5	U
67-66-3	Chloroform	5	U
107-06-2	1,2-Dichloroethane	5	U
78-93-3	2-Butanone	14	
71-55-6	1,1,1-Trichloroethane	5	U
56-23-5	Carbon Tetrachloride	5	U
108-05-4	Vinyl Acetate	10	U
75-27-4	Bromodichloromethane	5	U
78-87-5	1,2-Dichloropropane	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
79-01-6	Trichloroethene	5	U
124-48-1	Dibromochloromethane	5	U
79-00-5	1,1,2-Trichloroethane	5	U
71-43-2	Benzene	5	U
10061-02-6	Trans-1,3-Dichloropropene	5	U
75-25-2	Bromoform	5	U
108-10-1	4-Methyl-2-Pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	5	U
79-34-5	1,1,2,2-Tetrachloroethane	5	U
108-88-3	Toluene	5	U
108-90-7	Chlorobenzene	5	U
100-41-4	Ethylbenzene	5	U
100-42-5	Styrene	5	U
1330-20-7	Xylene (total)	5	U
75-71-8	DICHLORODIFLUOROMETHANE	5	U

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1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

4901C16

Lab Name: G S E L I Contract: _____

Lab Code: GULF Case No.: _____ SAS No.: 4901C SDG No.: ~~FJ755~~ 5777

Matrix: (soil/water) WATER Lab Sample ID: CRP18

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: VOCRP18

Level: (low/med) LOW Date Received: 09/19/89

% Moisture: not dec. _____ Date Analyzed: 09/26/89

Column: (pack/cap) PACK Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	4	J
75-00-3	Chloroethane	10	
75-09-2	Methylene Chloride	30	B
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	5	U
75-35-4	1,1-Dichloroethene	5	U
75-34-3	1,1-Dichloroethane	26	
540-59-0	1,2-Dichloroethene (total)	28	
67-66-3	Chloroform	5	U
107-06-2	1,2-Dichloroethane	5	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	3	J
56-23-5	Carbon Tetrachloride	5	U
108-05-4	Vinyl Acetate	10	U
75-27-4	Bromodichloromethane	5	U
78-87-5	1,2-Dichloropropane	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
79-01-6	Trichloroethene	18	
124-48-1	Dibromochloromethane	5	U
79-00-5	1,1,2-Trichloroethane	5	U
71-43-2	Benzene	5	U
10061-02-6	Trans-1,3-Dichloropropene	5	U
75-25-2	Bromoform	5	U
108-10-1	4-Methyl-2-Pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	9	
79-34-5	1,1,2,2-Tetrachloroethane	5	U
108-88-3	Toluene	5	U
108-90-7	Chlorobenzene	5	U
100-41-4	Ethylbenzene	5	U
100-42-5	Styrene	5	U
1330-20-7	Xylene (total)	5	U
75-71-8	DICHLORODI FLUOROMETHANE	6	

AR306376

FORM I VOA

1/87 Rev

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

4901C17

Lab Name: G S E L I Contract: _____

Lab Code: GULF Case No.: _____ SAS No.: 4901C SDG No.: ~~F755~~ 5111

Matrix: (soil/water) WATER Lab Sample ID: CRF20

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: VOCRF20

Level: (low/med) LOW Date Received: 09/19/89

% Moisture: not dec. ____ Date Analyzed: 09/26/89

Column: (pack/cap) PACK Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	3	J
75-09-2	Methylene Chloride	22	B
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	5	U
75-35-4	1,1-Dichloroethene	5	
75-34-3	1,1-Dichloroethane	5	
540-59-0	1,2-Dichloroethene (total)	6	
67-66-3	Chloroform	5	U
107-06-2	1,2-Dichloroethane	5	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	19	
56-23-5	Carbon Tetrachloride	5	U
108-05-4	Vinyl Acetate	10	U
75-27-4	Bromodichloromethane	5	U
78-87-5	1,2-Dichloropropane	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
79-01-6	Trichloroethene	6	
124-48-1	Dibromochloromethane	5	U
79-00-5	1,1,2-Trichloroethane	5	U
71-43-2	Benzene	5	U
10061-02-6	Trans-1,3-Dichloropropene	5	U
75-25-2	Bromoform	5	U
108-10-1	4-Methyl-2-Pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	8	
79-34-5	1,1,2,2-Tetrachloroethane	5	U
108-88-3	Toluene	5	U
108-90-7	Chlorobenzene	5	U
100-41-4	Ethylbenzene	5	U
100-42-5	Styrene	5	U
1330-20-7	Xylene (total)	5	U
75-71-8	DICHLORODIFLUOROMETHANE	9	

Resubmission
1/15/90 CHM

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
4901C18

Lab Name: G S E L I Contract:

Lab Code: GULF Case No.: SAS No.: 4901C SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: CSB06

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: VOCSB06

Level: (low/med) LOW Date Received: 09/20/89 21 CHM

% Moisture: not dec. Date Analyzed: 09/28/89

Column: (pack/cap) PACK Dilution Factor: 5.0

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	50	U
74-83-9	Bromomethane	50	U
75-01-4	Vinyl Chloride	50	U
75-00-3	Chloroethane	50	U
75-09-2	Methylene Chloride	100	B
67-64-1	Acetone	50	U
75-15-0	Carbon Disulfide	25	U
75-35-4	1,1-Dichloroethene	25	U
75-34-3	1,1-Dichloroethane	25	U
540-59-0	1,2-Dichloroethene (total)	25	U
67-66-3	Chloroform	25	U
107-06-2	1,2-Dichloroethane	25	U
78-93-3	2-Butanone	50	U
71-55-6	1,1,1-Trichloroethane	25	U
56-23-5	Carbon Tetrachloride	25	U
108-05-4	Vinyl Acetate	50	U
75-27-4	Bromodichloromethane	25	U
78-87-5	1,2-Dichloropropane	25	U
10061-01-5	cis-1,3-Dichloropropene	25	U
79-01-6	Trichloroethene	25	U
124-48-1	Dibromochloromethane	25	U
79-00-5	1,1,2-Trichloroethane	25	U
71-43-2	Benzene	25	U
10061-02-6	Trans-1,3-Dichloropropene	25	U
75-25-2	Bromoform	25	U
108-10-1	4-Methyl-2-Pentanone	50	U
591-78-6	2-Hexanone	50	U
127-18-4	Tetrachloroethene	25	U
79-34-5	1,1,2,2-Tetrachloroethane	25	U
108-88-3	Toluene	25	U
108-90-7	Chlorobenzene	25	U
100-41-4	Ethylbenzene	25	U
100-42-5	Styrene	25	U
1330-20-7	Xylene (total)	25	U
75-71-8	DICHLORODIFLUOROMETHANE	25	U

AR306378

Resubmission 1/15/90 COM

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

4901C19

Lab Name: G S E L I Contract:

Lab Code: GULF Case No.: SAS No.: 4901C SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: CSB08

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: VOCSB08

Level: (low/med) LOW Date Received: 02/24/89 2/ COM

% Moisture: not dec. Date Analyzed: 02/28/89

Column: (pack/cap) PACK Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	9	B
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	5	U
75-35-4	1,1-Dichloroethene	5	U
75-34-3	1,1-Dichloroethane	5	U
540-59-0	1,2-Dichloroethene (total)	5	U
67-66-3	Chloroform	5	U
107-06-2	1,2-Dichloroethane	5	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	5	U
56-23-5	Carbon Tetrachloride	5	U
108-05-4	Vinyl Acetate	10	U
75-27-4	Bromodichloromethane	5	U
78-87-5	1,2-Dichloropropane	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
79-01-6	Trichloroethene	5	U
124-48-1	Dibromochloromethane	5	U
79-00-5	1,1,2-Trichloroethane	5	U
71-43-2	Benzene	5	U
10061-02-6	Trans-1,3-Dichloropropene	5	U
75-25-2	Bromoform	5	U
108-10-1	4-Methyl-2-Pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	5	U
79-34-5	1,1,2,2-Tetrachloroethane	5	U
108-88-3	Toluene	5	U
108-90-7	Chlorobenzene	5	U
100-41-4	Ethylbenzene	5	U
100-42-5	Styrene	5	U
1330-20-7	Xylene (total)	5	U
75-71-8	DICHLORODIFLUOROMETHANE	5	U

AR306379

Resubmission
1/15/90 CBM

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

4901C20

Lab Name: C S E L I Contract:

Lab Code: GULF Case No.: SAS No.: 4901C SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: CSB14

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: VOCSB14

Level: (low/med) LOW Date Received: 09/29/89 2/1 CBM

% Moisture: not dec. Date Analyzed: 09/28/89

Column: (pack/cap) PACK Dilution Factor: 1.0

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	14	B
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	5	U
75-35-4	1,1-Dichloroethene	3	U
75-34-3	1,1-Dichloroethane	5	U
540-59-0	1,2-Dichloroethene (total)	5	U
67-66-3	Chloroform	5	U
107-06-2	1,2-Dichloroethane	5	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	5	U
56-23-5	Carbon Tetrachloride	5	U
108-05-4	Vinyl Acetate	10	U
75-27-4	Bromodichloromethane	5	U
78-87-5	1,2-Dichloropropane	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
79-01-6	Trichloroethene	5	U
124-48-1	Dibromochloromethane	5	U
79-00-5	1,1,2-Trichloroethane	5	U
71-43-2	Benzene	5	U
10061-02-6	Trans-1,3-Dichloropropene	5	U
75-25-2	Bromoform	5	U
108-10-1	4-Methyl-2-Pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	5	U
79-34-5	1,1,2,2-Tetrachloroethane	5	U
108-88-3	Toluene	5	U
108-90-7	Chlorobenzene	5	U
100-41-4	Ethylbenzene	5	U
100-42-5	Styrene	5	U
1330-20-7	Xylene (total)	5	U
75-71-8	DICHLORODIFLUOROMETHANE	5	U

Resubmission HSL cttm 1/12/90 cttm

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO. 4901C21

Lab Name: G S E L I Contract:

Lab Code: GULF Case No.: SAS No.: 4901C SDG No.: ~~E7755~~ 8.7m

Matrix: (soil/water) WATER Lab Sample ID: CRU16

Sample wt/vol: 500 (g/mL) ~~g~~ ul cttm Lab File ID: VOCRU16

Level: (low/med) LOW Date Received: 09/~~25~~/89 20 cttm

% Moisture: not dec. ____ Date Analyzed: 09/27/89

Column: (pack/cap) PACK Dilution Factor: ~~1.0~~ 10 cttm

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	100	U
74-83-9	Bromomethane	100	U
75-01-4	Vinyl Chloride	100	U
75-00-3	Chloroethane	100	U
75-09-2	Methylene Chloride	250	B
67-64-1	Acetone	130	B
75-15-0	Carbon Disulfide	50	U
75-35-4	1,1-Dichloroethene	50	U
75-34-3	1,1-Dichloroethane	50	U
540-59-0	1,2-Dichloroethene (total)	50	U
67-66-3	Chloroform	50	U
107-06-2	1,2-Dichloroethane	50	U
78-93-3	2-Butanone	100	U
71-55-6	1,1,1-Trichloroethane	50	U
56-23-5	Carbon Tetrachloride	50	U
108-05-4	Vinyl Acetate	100	U
75-27-4	Bromodichloromethane	50	U
78-87-5	1,2-Dichloropropane	50	U
10061-01-5	cis-1,3-Dichloropropene	50	U
79-01-6	Trichloroethene	50	U
124-48-1	Dibromochloromethane	50	U
79-00-5	1,1,2-Trichloroethane	50	U
71-43-2	Benzene	50	U
10061-02-6	Trans-1,3-Dichloropropene	50	U
75-25-2	Bromoform	50	U
108-10-1	4-Methyl-2-Pentanone	100	U
591-78-6	2-Hexanone	100	U
127-18-4	Tetrachloroethene	50	U
79-34-5	1,1,2,2-Tetrachloroethane	50	U
108-88-3	Toluene	50	U
108-90-7	Chlorobenzene	50	U
100-41-4	Ethylbenzene	50	U
100-42-5	Styrene	50	U
1330-20-7	Xylene (total)	50	U
75-71-8	DICHLORODIFLURO METHANE	50	U

AR306381

FORM I VOA 1/87 Rev.

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

4901C22

Lab Name: G S E L I Contract: _____

Lab Code: GULF Case No.: _____ SAS No.: 4901C SDG No.: EJ25 5 of 11

Matrix: (soil/water) WATER Lab Sample ID: CRF22

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: VOCRF22

Level: (low/med) LOW Date Received: 09/19/89

% Moisture: not dec. _____ Date Analyzed: 09/26/89

Column: (pack/cap) PACK Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	27	B
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	5	U
75-35-4	1,1-Dichloroethene	5	U
75-34-3	1,1-Dichloroethane	5	U
540-59-0	1,2-Dichloroethene (total)	5	U
67-66-3	Chloroform	5	U
107-06-2	1,2-Dichloroethane	5	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	5	U
56-23-5	Carbon Tetrachloride	5	U
108-05-4	Vinyl Acetate	10	U
75-27-4	Bromodichloromethane	5	U
78-87-5	1,2-Dichloropropane	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
79-01-6	Trichloroethene	5	U
124-48-1	Dibromochloromethane	5	U
79-00-5	1,1,2-Trichloroethane	5	U
71-43-2	Benzene	5	U
10061-02-6	Trans-1,3-Dichloropropene	5	U
75-25-2	Bromoform	5	U
108-10-1	4-Methyl-2-Pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	5	U
79-34-5	1,1,2,2-Tetrachloroethane	5	U
108-88-3	Toluene	5	U
108-90-7	Chlorobenzene	5	U
100-41-4	Ethylbenzene	5	U
100-42-5	Styrene	5	U
1330-20-7	Xylene (total)	5	U
75-71-8	DICHLORODIFLUROMETHANE	5	U

AR306382

Resubmission 1/15/90 CAM

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

4901C23

Lab Name: G S E L I Contract:

Lab Code: GULF Case No.: SAS No.: 4901C SDG No.: ~~F7715~~ 5

Matrix: (soil/water) WATER Lab Sample ID: CRU18

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: VOCRU18

Level: (low/med) LOW Date Received: 09/20/89 20 CAM

% Moisture: not dec. Date Analyzed: 09/27/89

Column: (pack/cap) PACK Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	7	B
67-64-1	Acetone	6	BJ
75-15-0	Carbon Disulfide	5	U
75-35-4	1,1-Dichloroethene	5	U
75-34-3	1,1-Dichloroethane	5	U
540-59-0	1,2-Dichloroethene (total)	5	U
67-66-3	Chloroform	5	U
107-06-2	1,2-Dichloroethane	5	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	5	U
56-23-5	Carbon Tetrachloride	5	U
108-05-4	Vinyl Acetate	10	U
75-27-4	Bromodichloromethane	5	U
78-87-5	1,2-Dichloropropane	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
79-01-6	Trichloroethene	5	U
124-48-1	Dibromochloromethane	5	U
79-00-5	1,1,2-Trichloroethane	5	U
71-43-2	Benzene	5	U
10061-02-6	Trans-1,3-Dichloropropene	5	U
75-25-2	Bromoform	5	U
108-10-1	4-Methyl-2-Pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	5	U
79-34-5	1,1,2,2-Tetrachloroethane	5	U
108-88-3	Toluene	5	U
108-90-7	Chlorobenzene	5	U
100-41-4	Ethylbenzene	5	U
100-42-5	Styrene	5	U
1330-20-7	Xylene (total)	5	U
75-71-8	DICHLORODIFLUROMETHANE	5	U

AR306383

Resubmission 1/15/90 CLP

LA

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

4901C24

Lab Name: G S E L I Contract: _____

Lab Code: GULF Case No.: _____ SAS No.: 4901C SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: CSB16

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: VOCSB16

Level: (low/med) LOW Date Received: 09/21/89 2/CLP

% Moisture: not dec. _____ Date Analyzed: 09/28/89

Column: (pack/cap) PACK Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	9	B
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	5	U
75-35-4	1,1-Dichloroethene	5	U
75-34-3	1,1-Dichloroethane	5	U
540-59-0	1,2-Dichloroethene (total)	5	U
67-66-3	Chloroform	3	U
107-06-2	1,2-Dichloroethane	5	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	5	U
56-23-5	Carbon Tetrachloride	5	U
108-05-4	Vinyl Acetate	10	U
75-27-4	Bromodichloromethane	5	U
78-87-5	1,2-Dichloropropane	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
79-01-6	Trichloroethene	5	U
124-48-1	Dibromochloromethane	5	U
79-00-5	1,1,2-Trichloroethane	5	U
71-43-2	Benzene	5	U
10061-02-6	Trans-1,3-Dichloropropene	5	U
75-25-2	Bromoform	5	U
108-10-1	4-Methyl-2-Pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	5	U
79-34-5	1,1,2,2-Tetrachloroethane	5	U
108-88-3	Toluene	5	U
108-90-7	Chlorobenzene	5	U
100-41-4	Ethylbenzene	5	U
100-42-5	Styrene	5	U
1330-20-7	Xylene (total)	5	U
75-71-8	DICHLORODIFLUOROMETHANE	5	U

Resubmission
1/15/90 CDM

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
4901C25

Lab Name: G S E L I Contract:

Lab Code: GULF Case No.: SAS No.: 4901C SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: CSB19

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: VOCSB18R

Level: (low/med) LOW Date Received: 09/21/89

% Moisture: not sec. Date Analyzed: 09/29/89

Column: (pack/cap) PACK Dilution Factor: 1.0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	Q
74-87-3	Chloromethane	10 U
74-83-9	Bromomethane	10 U
75-01-4	Vinyl Chloride	10 U
75-00-3	Chloroethane	10 U
75-09-2	Methylene Chloride	38 B
67-64-1	Acetone	10 U
75-15-0	Carbon Disulfide	5 U
75-35-4	1,1-Dichloroethene	5 U
75-34-3	1,1-Dichloroethane	5 U
540-59-0	t,2-Dichloroethene (total)	5 U
67-66-3	Chloroform	5 U
107-06-2	1,2-Dichloroethane	5 U
78-93-3	2-Butanone	10 U
71-55-6	1,1,1-Trichloroethane	5 U
56-23-5	Carbon Tetrachloride	5 U
108-05-4	Vinyl Acetate	10 U
75-27-4	Bromodichloromethane	5 U
78-87-5	1,2-Dichloropropane	5 U
10061-01-5	cis-1,3-Dichloropropene	5 U
79-01-6	Trichloroethene	5 U
124-48-1	Dibromochloromethane	5 U
79-00-5	1,1,2-Trichloroethane	5 U
71-43-2	Benzene	5 U
10061-02-6	Trans-1,3-Dichloropropene	5 U
75-25-2	Bromoform	5 U
108-10-1	4-Methyl-2-Pentanone	10 U
591-78-6	2-Hexanone	10 U
127-18-4	Tetrachloroethene	5 U
79-34-5	1,1,2,2-Tetrachloroethane	5 U
108-88-3	Toluene	5 U
108-90-7	Chlorobenzene	5 U
100-41-4	Ethylbenzene	5 U
100-42-5	Styrene	5 U
1330-20-7	Xylene (total)	5 U
75-71-8	DICHLORODIFLUOROMETHANE	5 U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

4901C26

Lab Name: G S E L I Contract: _____

Lab Code: GULF Case No.: _____ SAS No.: 4901C SDG No.: ~~F0355~~ 5391

Matrix: (soil/water) WATER Lab Sample ID: CRF24

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: VOCRF24

Level: (low/med) LOW Date Received: 09/19/89

% Moisture: not dec. ____ Date Analyzed: 09/26/89

Column: (pack/cap) PACK Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	27	B
67-64-1	Acetone	6	BJ
75-15-0	Carbon Disulfide	5	U
75-35-4	1,1-Dichloroethene	5	U
75-34-3	1,1-Dichloroethane	5	U
540-59-0	1,2-Dichloroethene (total)	5	U
67-66-3	Chloroform	5	U
107-06-2	1,2-Dichloroethane	5	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	5	U
56-23-5	Carbon Tetrachloride	5	U
108-05-4	Vinyl Acetate	10	U
75-27-4	Bromodichloromethane	5	U
78-87-5	1,2-Dichloropropane	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
79-01-6	Trichloroethene	5	U
124-48-1	Dibromochloromethane	5	U
79-00-5	1,1,2-Trichloroethane	5	U
71-43-2	Benzene	5	U
10061-02-6	Trans-1,3-Dichloropropene	5	U
75-25-2	Bromoform	5	U
108-10-1	4-Methyl-2-Pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	5	U
79-34-5	1,1,2,2-Tetrachloroethane	5	U
108-88-3	Toluene	5	U
108-90-7	Chlorobenzene	5	U
100-41-4	Ethylbenzene	5	U
100-42-5	Styrene	5	U
1330-20-7	Xylene (total)	5	U
75-71-8	DICHLORODIFLUROMETHANE	5	U

AR306386

Resubmission 1/15/90 CHTN

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
4901C27

Lab Name: G S E L I Contract:

Lab Code: GULF Case No.: SAS No.: 4901C SDG No.: ~~F1155~~ 8911

Matrix: (soil/water) WATER Lab Sample ID: CRU20

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: VOCRU20

Level: (low/med) LOW Date Received: 09/20 CHTN/89

% Moisture: not dec. Date Analyzed: 09/27/89

Column: (pack/cap) PACK Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	4	BJ
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	5	U
75-35-4	1,1-Dichloroethene	5	U
75-34-3	1,1-Dichloroethane	5	U
540-59-0	1,2-Dichloroethene (total)	5	U
67-66-3	Chloroform	5	U
107-06-2	1,2-Dichloroethane	5	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	5	U
56-23-5	Carbon Tetrachloride	5	U
108-05-4	Vinyl Acetate	10	U
75-27-4	Bromodichloromethane	5	U
78-87-5	1,2-Dichloropropane	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
79-01-6	Trichloroethene	5	U
124-48-1	Dibromochloromethane	5	U
79-00-5	1,1,2-Trichloroethane	5	U
71-43-2	Benzene	5	U
10061-02-6	Trans-1,3-Dichloropropene	5	U
75-25-2	Bromoform	5	U
108-10-1	4-Methyl-2-Pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	5	U
79-34-5	1,1,2,2-Tetrachloroethane	5	U
108-88-3	Toluene	5	U
108-90-7	Chlorobenzene	5	U
100-41-4	Ethylbenzene	5	U
100-42-5	Styrene	5	U
1330-20-7	Xylene (total)	5	U
75-71-8	DICHLORODIFLUOROMETHANE	5	UL

AR306387

Resubmission 1/15/90 CAM

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

4901C23

Name: USELI Contract: _____

Lab Code: GULF Case No.: _____ SAS No.: 4901C SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: CSB20

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: VOCSB20R

Level: (low/med) LOW Date Received: 09/20/89 21 CAM

% Moisture: not dec. _____ Date Analyzed: 09/29/89

Column: (pack/cap) PACK Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	13	B
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	5	U
75-35-4	1,1-Dichloroethene	5	U
75-34-3	1,1-Dichloroethane	5	U
540-59-0	1,2-Dichloroethene (total)	5	U
67-66-3	Chloroform	5	U
107-06-2	1,2-Dichloroethane	5	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	5	U
56-23-5	Carbon Tetrachloride	5	U
108-05-4	Vinyl Acetate	10	U
75-27-4	Bromodichloromethane	5	U
78-87-5	1,2-Dichloropropane	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
79-01-6	Trichloroethene	5	U
124-48-1	Dibromochloromethane	5	U
79-00-5	1,1,2-Trichloroethane	5	U
71-43-2	Benzene	5	U
10061-02-6	Trans-1,3-Dichloropropene	5	U
75-25-2	Bromoform	5	U
108-10-1	4-Methyl-2-Pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	5	U
79-34-5	1,1,2,2-Tetrachloroethane	5	U
108-88-3	Toluene	5	U
108-90-7	Chlorobenzene	5	U
100-41-4	Ethylbenzene	5	U
100-42-5	Styrene	5	U
1330-20-7	Xylene (total)	5	U
75-71-8	DICHLORODIFLUOROMETHANE	5	U

Resubmission 1/15/90 CDM

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

4901C29

Lab Name: G S E L T Contract:

Lab Code: GULF Case No.: SAS No.: 4901C SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: C2V02

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: VOC2V02

Level: (low/med) LOW Date Received: 09/27/89 2 SCDM

% Moisture: not dec. Date Analyzed: 09/29/89

Column: (pack/cap) PACK Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	49	B
67-64-1	Acetone	3	J
75-15-0	Carbon Disulfide	5	U
75-35-4	1,1-Dichloroethene	5	U
75-34-3	1,1-Dichloroethane	5	U
540-59-0	1,2-Dichloroethene (total)	3	U
67-66-3	Chloroform	5	U
107-06-2	1,2-Dichloroethane	5	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	5	U
56-23-5	Carbon Tetrachloride	5	U
108-05-4	Vinyl Acetate	10	U
75-27-4	Bromodichloromethane	5	U
78-87-5	1,2-Dichloropropane	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
79-01-6	Trichloroethene	5	U
124-48-1	Dibromochloromethane	5	U
79-00-5	1,1,2-Trichloroethane	5	U
71-43-2	Benzene	5	U
10061-02-6	Trans-1,3-Dichloropropene	5	U
75-25-2	Bromoform	5	U
108-10-1	4-Methyl-2-Pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	5	U
79-34-5	1,1,2,2-Tetrachloroethane	5	U
108-88-3	Toluene	5	U
108-90-7	Chlorobenzene	5	U
100-41-4	Ethylbenzene	5	U
100-42-5	Styrene	5	U
1330-20-7	Xylene (total)	5	U
75-71-8	DICHLORODIFLUORO METHANE	5	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

4901C30

Lab Name: G S E L I Contract: _____

Lab Code: GULF Case No.: _____ SAS No.: 4901C SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: CTE02

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: VOCTE02

Level: (low/med) LOW Date Received: 09/~~28~~ 29 cthm /89

% Moisture: not dec. _____ Date Analyzed: 10/02/89

Column: (pack/cap) PACK Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	21	B
67-64-1	Acetone	6	BJ
75-15-0	Carbon Disulfide	5	U
75-35-4	1,1-Dichloroethene	5	U
75-34-3	1,1-Dichloroethane	5	U
540-59-0	1,2-Dichloroethene (total)	3	J
67-66-3	Chloroform	5	U
107-06-2	1,2-Dichloroethane	5	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	5	U
56-23-5	Carbon Tetrachloride	5	U
108-05-4	Vinyl Acetate	10	U
75-27-4	Bromodichloromethane	5	U
78-87-5	1,2-Dichloropropane	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
79-01-6	Trichloroethene	5	U
124-48-1	Dibromochloromethane	5	U
79-00-5	1,1,2-Trichloroethane	5	U
71-43-2	Benzene	5	U
10061-02-6	Trans-1,3-Dichloropropene	5	U
75-25-2	Bromoform	5	U
108-10-1	4-Methyl-2-Pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	12	
79-34-5	1,1,2,2-Tetrachloroethane	5	U
108-88-3	Toluene	5	U
108-90-7	Chlorobenzene	5	U
100-41-4	Ethylbenzene	5	U
100-42-5	Styrene	5	U
1330-20-7	Xylene (total)	5	U
75-71-8	DICHLORODIFLUOROMETHANE	5	U

Resubmission 1/15/90 CHM

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

4901CS1

Lab Name: GULF Contract:

Lab Code: GULF Case No.: SAS No.: 4901C SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: CSR02

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: VOCSR02

Level: (low/med) LOW Date Received: 09/27/89 27 CHM

% Moisture: not dec. Date Analyzed: 09/29/89

Column: (pack/cap) PACK Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	4	BJ
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	5	U
75-35-4	1,1-Dichloroethene	5	U
75-34-3	1,1-Dichloroethane	5	U
540-59-0	1,2-Dichloroethene (total)	5	U
67-66-3	Chloroform	5	U
107-06-2	1,2-Dichloroethane	5	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	5	U
56-23-5	Carbon Tetrachloride	5	U
108-05-4	Vinyl Acetate	10	U
75-27-4	Bromodichloromethane	5	U
78-87-5	1,2-Dichloropropane	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
79-01-6	Trichloroethene	5	U
124-48-1	Dibromochloromethane	5	U
79-00-5	1,1,2-Trichloroethane	5	U
71-43-2	Benzene	5	U
10061-02-6	Trans-1,3-Dichloropropene	5	U
75-25-2	Bromoform	5	U
108-10-1	4-Methyl-2-Pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	5	U
79-34-5	1,1,2,2-Tetrachloroethane	5	U
108-88-3	Toluene	5	U
108-90-7	Chlorobenzene	5	U
100-41-4	Ethylbenzene	5	U
100-42-5	Styrene	5	U
1330-20-7	Xylene (total)	5	U
75-71-8	DICHLORODIFLUOROMETHANE	5	U

Resubmission 1/15/90 cktm

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

4901CG2

Lab Name: G I E L I Contract:

Lab Code: GULF Case No.: SAS No.: 4901C SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: CSV04

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: VOCSV04R

Level: (low/med) LOW Date Received: 09/20/89 28 cktm

% Moisture: not dec. Date Analyzed: 10/02/89

Column: (pack/cap) PACK Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	10	B
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	5	U
75-35-4	1,1-Dichloroethene	5	U
75-34-3	1,1-Dichloroethane	5	U
540-59-0	1,2-Dichloroethene (total)	5	U
67-66-3	Chloroform	5	U
107-06-2	1,2-Dichloroethane	5	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	5	U
56-23-5	Carbon Tetrachloride	5	U
108-05-4	Vinyl Acetate	10	U
75-27-4	Bromodichloromethane	5	U
78-87-5	1,2-Dichloropropane	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
79-01-6	Trichloroethene	5	U
124-48-1	Dibromochloromethane	5	U
79-00-5	1,1,2-Trichloroethane	5	U
71-43-2	Benzene	5	U
10061-02-6	Trans-1,3-Dichloropropene	5	U
75-25-2	Bromoform	5	U
108-10-1	4-Methyl-2-Pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	5	U
79-34-5	1,1,2,2-Tetrachloroethane	5	U
108-88-3	Toluene	5	U
108-90-7	Chlorobenzene	5	U
100-41-4	Ethylbenzene	5	U
100-42-5	Styrene	5	U
1330-20-7	Xylene (total)	5	U
75-71-8	DICHLORODIFLUOROMETHANE	5	U

Resubmitted 1/15/90 cth

A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

4901C33

Lab Name: [illegible] Contract: _____

Lab Code: [illegible] Case No.: _____ SAS No.: 4901C SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: CSV06

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: VOCSV06

Level: (low/med) LOW Date Received: 09/28/89 28 cth

% Moisture: not dec. _____ Date Analyzed: 10/02/89

Column: (pack/cap) PACK Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	10	B
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	5	U
75-35-4	1,1-Dichloroethene	5	U
75-34-3	1,1-Dichloroethane	5	U
540-59-0	1,2-Dichloroethene (total)	5	U
67-66-3	Chloroform	5	U
107-06-2	1,2-Dichloroethane	5	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	5	U
56-23-5	Carbon Tetrachloride	5	U
108-05-4	Vinyl Acetate	10	U
75-27-4	Bromodichloromethane	5	U
78-87-5	1,2-Dichloropropane	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
79-01-6	Trichloroethene	5	U
124-48-1	Dibromochloromethane	5	U
79-00-5	1,1,2-Trichloroethane	5	U
71-43-2	Benzene	5	U
10061-02-6	Trans-1,3-Dichloropropene	5	U
75-25-2	Bromoform	5	U
108-10-1	4-Methyl-2-Pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	5	U
79-34-5	1,1,2,2-Tetrachloroethane	5	U
108-88-3	Toluene	5	U
108-90-7	Chlorobenzene	5	U
100-41-4	Ethylbenzene	5	U
100-42-5	Styrene	5	U
1330-20-7	Xylene (total)	5	U
75-71-8	DICHLORODIFLUOROMETHANE	5	U

Keub measurm 1/15/90 CDM

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

4901C34

Lab Name: G S E L I Contract:

Lab Code: GSLE Case No.: SAS No.: 4901C SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: CSR04

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: VOCSR04

Level: (low/med) LOW Date Received: 09/20/89 CDM

% Moisture: not dec. Date Analyzed: 09/29/89

Column: (pack/cap) PACK Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	5	B
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	5	U
75-35-4	1,1-Dichloroethene	5	U
75-34-3	1,1-Dichloroethane	5	U
540-59-0	1,2-Dichloroethene (total)	5	U
67-66-3	Chloroform	5	U
107-06-2	1,2-Dichloroethane	5	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	5	U
56-23-5	Carbon Tetrachloride	5	U
108-05-4	Vinyl Acetate	10	U
75-27-4	Bromodichloromethane	5	U
78-87-5	1,2-Dichloropropane	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
79-01-6	Trichloroethene	5	U
124-48-1	Dibromochloromethane	5	U
79-00-5	1,1,2-Trichloroethane	5	U
71-43-2	Benzene	5	U
10061-02-6	Trans-1,3-Dichloropropene	5	U
75-25-2	Bromoform	5	U
108-10-1	4-Methyl-2-Pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	5	U
79-34-5	1,1,2,2-Tetrachloroethane	5	U
108-88-3	Toluene	5	U
108-90-7	Chlorobenzene	5	U
100-41-4	Ethylbenzene	5	U
100-42-5	Styrene	5	U
1330-20-7	Xylene (total)	5	U
75-71-8	DICHLORODIFLUOROMETHANE	5	U

Resubmission 1/15/90 CDM

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

4901C36

Lab Name: [illegible] Contract: _____

Lab Code: CLF Case No.: _____ SAS No.: 4901C SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: CSV08

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: VOCSV08

Level: (low/med) LOW Date Received: 09/20/89 28 CDM

% Moisture: not dec. _____ Date Analyzed: 10/02/89

Column: (pack/cap) CAP Dilution Factor: 1.0

CONCENTRATION UNITS:

CAS No.	COMPOUND	(ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	5	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	5	B
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	5	U
75-35-4	1,1-Dichloroethene	5	U
75-34-3	1,1-Dichloroethane	5	U
540-59-0	1,2-Dichloroethene (total)	5	U
67-66-3	Chloroform	5	U
107-06-2	1,2-Dichloroethane	5	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	5	U
56-23-5	Carbon Tetrachloride	5	U
108-05-4	Vinyl Acetate	10	U
75-27-4	Bromodichloromethane	5	U
78-87-5	1,2-Dichloropropane	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
79-01-6	Trichloroethene	3	U
124-48-1	Dibromochloromethane	5	U
79-00-5	1,1,2-Trichloroethane	5	U
71-43-2	Benzene	5	U
10061-02-6	Trans-1,3-Dichloropropene	5	U
75-25-2	Bromoform	5	U
108-10-1	4-Methyl-2-Pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	5	U
79-34-5	1,1,2,2-Tetrachloroethane	5	U
108-88-3	Toluene	5	U
108-90-7	Chlorobenzene	5	U
100-41-4	Ethylbenzene	5	U
100-42-5	Styrene	5	U
1330-20-7	Xylene (total)	5	U
75-71-8	DICHLORODIFLUOROMETHANE	5	U

Resubmission 1/15/90 cthm

2A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

4901C37

Name: U S E L I Contract:

Lab Code: GULF Case No.: SAS No.: 4901C SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: CSR05

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: VOCSR05

Level: (low/med) LOW Date Received: 09/27/89 27 cthm

% Moisture: not dec. Date Analyzed: 09/29/89

Column: (pack/cap) PACK Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	17	B
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	5	U
75-35-4	1,1-Dichloroethene	5	U
75-34-3	1,1-Dichloroethane	5	U
540-59-0	1,2-Dichloroethene (total)	5	U
67-66-3	Chloroform	5	U
107-06-2	1,2-Dichloroethane	5	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	5	U
56-23-5	Carbon Tetrachloride	5	U
108-05-4	Vinyl Acetate	10	U
75-27-4	Bromodichloromethane	5	U
78-87-5	1,2-Dichloropropane	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
79-01-6	Trichloroethene	5	U
124-48-1	Dibromochloromethane	5	U
79-00-5	1,1,2-Trichloroethane	5	U
71-43-2	Benzene	5	U
10061-02-6	Trans-1,3-Dichloropropene	5	U
75-25-2	Bromoform	5	U
108-10-1	4-Methyl-2-Pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	5	U
79-34-5	1,1,2,2-Tetrachloroethane	5	U
108-88-3	Toluene	5	U
108-90-7	Chlorobenzene	5	U
100-41-4	Ethylbenzene	5	U
100-42-5	Styrene	5	U
1330-20-7	Xylene (total)	5	U
75-71-8	DICHLORODIFLUOROMETHANE	5	U

Resubmission
1/15/90 cstm

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
4901C38

Lab Name: G S E L I Contract: _____

Lab Code: GULF Case No.: _____ SAS No.: 4901C SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: CSR08

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: VOCSR08

Level: (low/med) LOW Date Received: 09/27/89 27 cstm

% Moisture: not dec. _____ Date Analyzed: 09/29/89

Column: (pack/cap) PACK Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	40	
75-00-3	Chloroethane	18	
75-09-2	Methylene Chloride	29	
67-64-1	Acetone	8	J
75-15-0	Carbon Disulfide	5	U
75-35-4	1,1-Dichloroethene	16	
75-34-3	1,1-Dichloroethane	71	
540-59-0	1,2-Dichloroethene (total)	140	
67-66-3	Chloroform	5	U
107-06-2	1,2-Dichloroethane	5	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	52	
56-23-5	Carbon Tetrachloride	5	U
108-05-4	Vinyl Acetate	10	U
75-27-4	Bromodichloromethane	5	U
78-87-5	1,2-Dichloropropane	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
79-01-6	Trichloroethene	57	
124-48-1	Dibromochloromethane	5	U
79-00-5	1,1,2-Trichloroethane	5	U
71-43-2	Benzene	14	
10061-02-6	Trans-1,3-Dichloropropene	5	U
75-25-2	Bromoform	5	U
108-10-1	4-Methyl-2-Pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	48	
79-34-5	1,1,2,2-Tetrachloroethane	5	U
108-88-3	Toluene	5	U
108-90-7	Chlorobenzene	5	U
100-41-4	Ethylbenzene	5	U
100-42-5	Styrene	5	U
1330-20-7	Xylene (total)	5	U
75-71-8	DICHLORODIFLUOROMETHANE	4	

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

4901C40

Lab Name: G S E L I Contract:

Lab Code: GULF Case No.: SAS No.: 4901C SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: CTE40

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: VOCTE04

Level: (low/med) LOW Date Received: 09/22/89 29 cmm

% Moisture: not dec. Date Analyzed: 10/03/89

Column: (pack/cap) PACK Dilution Factor: 2.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	20	U
74-83-9	Bromomethane	20	U
75-01-4	Vinyl Chloride	20	U
75-00-3	Chloroethane	20	U
75-09-2	Methylene Chloride	15	B
67-64-1	Acetone	19	J
75-15-0	Carbon Disulfide	10	U
75-35-4	1,1-Dichloroethene	10	U
75-34-3	1,1-Dichloroethane	10	U
540-59-0	1,2-Dichloroethene (total)	10	U
67-66-3	Chloroform	10	U
107-06-2	1,2-Dichloroethane	10	U
78-93-3	2-Butanone	20	U
71-55-6	1,1,1-Trichloroethane	10	U
56-23-5	Carbon Tetrachloride	10	U
108-05-4	Vinyl Acetate	20	U
75-27-4	Bromodichloromethane	10	U
78-87-5	1,2-Dichloropropane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
79-01-6	Trichloroethene	10	U
124-48-1	Dibromochloromethane	10	U
79-00-5	1,1,2-Trichloroethane	10	U
71-43-2	Benzene	7	J
10061-02-6	Trans-1,3-Dichloropropene	10	U
75-25-2	Bromoform	10	U
108-10-1	4-Methyl-2-Pentanone	20	U
591-78-6	2-Hexanone	20	U
127-18-4	Tetrachloroethene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
108-88-3	Toluene	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
100-42-5	Styrene	10	U
1330-20-7	Xylene (total)	10	U
75-71-8	DICHLORODIFLUOROMETHANE	ND	U

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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

4901C41

Lab Name: G S E L I Contract: _____

Lab Code: GULF Case No.: _____ SAS No.: 4901C SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: CTE06

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: VOCTE06

Level: (low/med) LOW Date Received: 09/29/89 29 CHM

% Moisture: not dec. ____ Date Analyzed: 10/02/89

Column: (pack/cap) PACK Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	19	B
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	5	U
75-35-4	1,1-Dichloroethene	5	U
75-34-3	1,1-Dichloroethane	5	U
540-59-0	1,2-Dichloroethene (total)	5	U
67-66-3	Chloroform	5	U
107-06-2	1,2-Dichloroethane	5	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	16	
56-23-5	Carbon Tetrachloride	5	U
108-05-4	Vinyl Acetate	10	U
75-27-4	Bromodichloromethane	5	U
78-87-5	1,2-Dichloropropane	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
79-01-6	Trichloroethene	5	U
124-48-1	Dibromochloromethane	5	U
79-00-5	1,1,2-Trichloroethane	5	U
71-43-2	Benzene	5	U
10061-02-6	Trans-1,3-Dichloropropene	5	U
75-25-2	Bromoform	5	U
108-10-1	4-Methyl-2-Pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	18	
79-34-5	1,1,2,2-Tetrachloroethane	5	U
108-88-3	Toluene	5	U
108-90-7	Chlorobenzene	5	U
100-41-4	Ethylbenzene	5	U
100-42-5	Styrene	5	U
1330-20-7	Xylene (total)	5	U
75-71-8	DICHLORODIFLUOROMETHANE	48	

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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

4901C42

Lab Name: G S E L I Contract:

Lab Code: GULF Case No.: SAS No.: 4901C SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: CTE08

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: VOCTE08

Level: (low/med) LOW Date Received: 09/29 corm 09/28/89

% Moisture: not dec. Date Analyzed: 10/02/89

Column: (pack/cap) PACK Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	12	B
67-64-1	Acetone	5	BJ
75-15-0	Carbon Disulfide	5	U
75-35-4	1,1-Dichloroethene	5	U
75-34-3	1,1-Dichloroethane	4	J
540-59-0	1,2-Dichloroethene (total)	5	U
67-66-3	Chloroform	5	U
107-06-2	1,2-Dichloroethane	5	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	3	J
56-23-5	Carbon Tetrachloride	5	U
108-05-4	Vinyl Acetate	10	U
75-27-4	Bromodichloromethane	5	U
78-87-5	1,2-Dichloropropane	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
79-01-6	Trichloroethene	3	J
124-48-1	Dibromochloromethane	5	U
79-00-5	1,1,2-Trichloroethane	5	U
71-43-2	Benzene	5	U
10061-02-6	Trans-1,3-Dichloropropene	5	U
75-25-2	Bromoform	5	U
108-10-1	4-Methyl-2-Pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	11	
79-34-5	1,1,2,2-Tetrachloroethane	5	U
108-88-3	Toluene	5	U
108-90-7	Chlorobenzene	5	U
100-41-4	Ethylbenzene	5	U
100-42-5	Styrene	5	U
1330-20-7	Xylene (total)	5	U
75-71-8	DICHLORODIFLUOROMETHANE	7	

Resubmission 11/15/90 CKM

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

4901C43

Lab Name: CHESTER LABS Contract: _____

Lab Code: CHLAB Case No.: _____ SAS No.: 4901C SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: CSR10

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: VOCSR10

Level: (low/med) LOW Date Received: 09/21/89 87 CKM

% Moisture: not dec. _____ Date Analyzed: 09/22/89

Column: (pack/cap) PACK Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	5	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	5	U
75-09-2	Methylene Chloride	55	B
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	5	U
75-35-4	1,1-Dichloroethene	5	U
75-34-3	1,1-Dichloroethane	27	
540-59-0	1,2-Dichloroethene (total)	18	
67-66-3	Chloroform	3	U
107-06-2	1,2-Dichloroethane	5	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	3	J
56-23-5	Carbon Tetrachloride	5	U
108-05-4	Vinyl Acetate	10	U
75-27-4	Bromodichloromethane	5	U
78-87-5	1,2-Dichloropropane	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
79-01-6	Trichloroethene	27	
124-48-1	Dibromochloromethane	5	U
79-00-5	1,1,2-Trichloroethane	5	U
71-43-2	Benzene	5	U
10061-02-6	Trans-1,3-Dichloropropene	5	U
75-25-2	Bromoform	5	U
108-10-1	4-Methyl-2-Pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	23	
79-34-5	1,1,2,2-Tetrachloroethane	5	U
108-88-3	Toluene	5	U
108-90-7	Chlorobenzene	5	U
100-41-4	Ethylbenzene	5	U
100-42-5	Styrene	5	U
1330-20-7	Xylene (total)	5	U
75-71-8	DICHLORODIFLUOROMETHANE	12	

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Resubmission 1/15/90 CRM

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

4901C44

Lab Name: G C E L Contract:

Lab Code: GCLF Case No.: SAS No.: 4901C SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: CSR12

Sample wt/vol: 5.0 CRM (g/mL) ML Lab File ID: VOCSR12

Level: (low/med) LOW Date Received: 09/27/89 CRM

% Moisture: not dec. Date Analyzed: 09/29/89

Column: (pack/cap) CAP Dilution Factor: 5.0 CRM

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	50	U
74-83-9	Bromomethane	50	U
75-01-4	Vinyl Chloride	50	U
75-00-3	Chloroethane	50	U
75-09-2	Methylene Chloride	74	B
67-64-1	Acetone	69	
75-15-0	Carbon Disulfide	25	U
75-35-4	1,1-Dichloroethene	25	U
75-34-3	1,1-Dichloroethane	25	U
540-59-0	1,2-Dichloroethene (total)	25	U
67-66-3	Chloroform	25	U
107-06-2	1,2-Dichloroethane	25	U
78-93-3	2-Butanone	50	U
71-55-6	1,1,1-Trichloroethane	10	J
56-23-5	Carbon Tetrachloride	25	U
108-05-4	Vinyl Acetate	50	U
75-27-4	Bromodichloromethane	25	U
78-87-5	1,2-Dichloropropane	25	U
10061-01-5	cis-1,3-Dichloropropene	25	U
79-01-6	Trichloroethene	25	U
124-48-1	Dibromochloromethane	25	U
79-00-5	1,1,2-Trichloroethane	25	U
71-43-2	Benzene	25	U
10061-02-6	Trans-1,3-Dichloropropene	25	U
75-25-2	Bromoform	25	U
108-10-1	4-Methyl-2-Pentanone	50	U
591-78-6	2-Hexanone	50	U
127-18-4	Tetrachloroethene	25	U
79-34-5	1,1,2,2-Tetrachloroethane	25	U
108-88-3	Toluene	25	U
108-90-7	Chlorobenzene	25	U
100-41-4	Ethylbenzene	25	U
100-42-5	Styrene	25	U
1330-20-7	Xylene (total)	25	U
75-71-8	DICHLORODIFLUOROMETHANE	16	

Resubmission
1/15/90 CAH

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
4901C13

Lab Name: G S E L Contract:

Lab Code: GSLE Case No.: SAS No.: 4901C SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: C3R14

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: VOCSR14

Level: (low/med) LOW Date Received: 09/27/89 27 CAH

% Moisture: not dec. Date Analyzed: 09/29/89

Column: (pack/cap) PACK Dilution Factor: 1.0

CAS No.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	20	B
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	5	U
75-35-4	1,1-Dichloroethene	5	U
75-34-3	1,1-Dichloroethane	5	U
540-59-0	1,2-Dichloroethene (total)	5	U
67-66-3	Chloroform	5	U
107-06-2	1,2-Dichloroethane	5	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	5	U
56-23-5	Carbon Tetrachloride	5	U
108-05-4	Vinyl Acetate	10	U
75-27-4	Bromodichloromethane	5	U
78-87-5	1,2-Dichloropropane	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
79-01-6	Trichloroethene	5	U
124-48-1	Dibromochloromethane	5	U
79-00-5	1,1,2-Trichloroethane	5	U
71-43-2	Benzene	5	U
10061-02-6	Trans-1,3-Dichloropropene	5	U
75-25-2	Bromoform	5	U
108-10-1	4-Methyl-2-Pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	5	U
79-34-5	1,1,2,2-Tetrachloroethane	5	U
108-88-3	Toluene	5	U
108-90-7	Chlorobenzene	5	U
100-41-4	Ethylbenzene	5	U
100-42-5	Styrene	5	U
1330-20-7	Xylene (total)	5	U
75-71-8	DICHLORODIFLUOROMETHANE	5	U

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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

4901C46

Lab Name: G S E L I Contract: _____

Lab Code: GULF Case No.: _____ SAS No.: 4901C SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: CTE14

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: VOCTE14

Level: (low/med) LOW Date Received: 09/29 Conn 09/28/89

% Moisture: not dec. _____ Date Analyzed: 10/02/89

Column: (pack/cap) PACK Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	22	B
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	5	U
75-35-4	1,1-Dichloroethene	5	U
75-34-3	1,1-Dichloroethane	5	U
540-59-0	1,2-Dichloroethene (total)	3	J
67-66-3	Chloroform	5	U
107-06-2	1,2-Dichloroethane	5	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	5	U
56-23-5	Carbon Tetrachloride	5	U
108-05-4	Vinyl Acetate	10	U
75-27-4	Bromodichloromethane	5	U
78-87-5	1,2-Dichloropropane	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
79-01-6	Trichloroethene	5	U
124-48-1	Dibromochloromethane	5	U
79-00-5	1,1,2-Trichloroethane	5	U
71-43-2	Benzene	5	U
10061-02-6	Trans-1,3-Dichloropropene	5	U
75-25-2	Bromoform	5	U
108-10-1	4-Methyl-2-Pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	11	
79-34-5	1,1,2,2-Tetrachloroethane	5	U
108-88-3	Toluene	5	U
108-90-7	Chlorobenzene	5	U
100-41-4	Ethylbenzene	5	U
100-42-5	Styrene	5	U
1330-20-7	Xylene (total)	5	U
75-71-8	DICHLORODIFLUOROMETHANE	5	U

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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

4901C47

Lab Name: G S E L I Contract:

Lab Code: GULF Case No.: SAS No.: 4901C SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: CTE16

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: VOCTE16R2

Level: (low/med) LOW Date Received: 09/29/89 29 Sept

% Moisture: not dec. Date Analyzed: 10/04/89

Column: (pack/cap) PACK Dilution Factor: 2.0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND		Q
74-87-3	Chloromethane	20	U
74-83-9	Bromomethane	20	U
75-01-4	Vinyl Chloride	20	U
75-00-3	Chloroethane	20	U
75-09-2	Methylene Chloride	29	B
67-64-1	Acetone	25	B
75-15-0	Carbon Disulfide	10	U
75-35-4	1,1-Dichloroethene	10	U
75-34-3	1,1-Dichloroethane	10	U
540-59-0	1,2-Dichloroethene (total)	10	U
67-66-3	Chloroform	10	U
107-06-2	1,2-Dichloroethane	10	U
78-93-3	2-Butanone	20	U
71-55-6	1,1,1-Trichloroethane	10	U
56-23-5	Carbon Tetrachloride	10	U
108-05-4	Vinyl Acetate	20	U
75-27-4	Bromodichloromethane	10	U
78-87-5	1,2-Dichloropropane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
79-01-6	Trichloroethene	10	U
124-48-1	Dibromochloromethane	10	U
79-00-5	1,1,2-Trichloroethane	10	U
71-43-2	Benzene	4	J
10061-02-6	Trans-1,3-Dichloropropene	10	U
75-25-2	Bromoform	10	U
108-10-1	4-Methyl-2-Pentanone	20	U
591-78-6	2-Hexanone	20	U
127-18-4	Tetrachloroethene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
108-88-3	Toluene	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
100-42-5	Styrene	10	U
1330-20-7	Xylene (total)	10	U
75-71-8	DICHLORODIFLUOROMETHANE	10	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

4901C48

Lab Name: G S E L I Contract:

Lab Code: GULF Case No.: SAS No.: 4901C SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: CTE18

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: VOCTE18

Level: (low/med) LOW Date Received: 09/29/89

% Moisture: not dec. Date Analyzed: 10/02/89

Column: (pack/cap) PACK Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	19	B
67-64-1	Acetone	9	BJ
75-15-0	Carbon Disulfide	5	U
75-35-4	1,1-Dichloroethene	5	U
75-34-3	1,1-Dichloroethane	5	U
540-59-0	1,2-Dichloroethene (total)	5	U
67-66-3	Chloroform	5	U
107-06-2	1,2-Dichloroethane	5	U
78-93-3	2-Butanone	31	
71-55-6	1,1,1-Trichloroethane	5	U
56-23-5	Carbon Tetrachloride	5	U
108-05-4	Vinyl Acetate	10	U
75-27-4	Bromodichloromethane	5	U
78-87-5	1,2-Dichloropropane	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
79-01-6	Trichloroethene	5	U
124-48-1	Dibromochloromethane	5	U
79-00-5	1,1,2-Trichloroethane	5	U
71-43-2	Benzene	5	U
10061-02-6	Trans-1,3-Dichloropropene	5	U
75-25-2	Bromoform	5	U
108-10-1	4-Methyl-2-Pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	5	U
79-34-5	1,1,2,2-Tetrachloroethane	5	U
108-88-3	Toluene	5	U
108-90-7	Chlorobenzene	5	U
100-41-4	Ethylbenzene	5	U
100-42-5	Styrene	5	U
1330-20-7	Xylene (total)	5	U
75-71-8	DICHLORODIFLUOROMETHANE	5	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
4901C49

Lab Name: G S E L I Contract: _____

Lab Code: GULF Case No.: _____ SAS No.: 4901C SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: CTE20

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: VOCTE20R

Level: (low/med) LOW Date Received: 09/29/89

% Moisture: not dec. ____ Date Analyzed: 10/03/89

Column: (pack/cap) PACK Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	7	B
67-64-1	Acetone	7	J
75-15-0	Carbon Disulfide	5	U
75-35-4	1,1-Dichloroethene	5	U
75-34-3	1,1-Dichloroethane	5	U
540-59-0	1,2-Dichloroethene (total)	5	U
67-66-3	Chloroform	5	U
107-06-2	1,2-Dichloroethane	5	U
78-93-3	2-Butanone	24	
71-55-6	1,1,1-Trichloroethane	5	U
56-23-5	Carbon Tetrachloride	5	U
108-05-4	Vinyl Acetate	10	U
75-27-4	Bromodichloromethane	5	U
78-87-5	1,2-Dichloropropane	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
79-01-6	Trichloroethene	5	U
124-48-1	Dibromochloromethane	5	U
79-00-5	1,1,2-Trichloroethane	5	U
71-43-2	Benzene	5	U
10061-02-6	Trans-1,3-Dichloropropene	5	U
75-25-2	Bromoform	5	U
108-10-1	4-Methyl-2-Pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	5	U
79-34-5	1,1,2,2-Tetrachloroethane	5	U
108-88-3	Toluene	5	U
108-90-7	Chlorobenzene	5	U
100-41-4	Ethylbenzene	5	U
100-42-5	Styrene	5	U
1330-20-7	Xylene (total)	5	U
75-71-8	DICHLORODIFLUOROMETHANE	5	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

4901C50

Lab Name: G S E L I Contract:

Lab Code: GULF Case No.: SAS No.: 4901C SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: CTE22

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: VOCTE22

Level: (low/med) LOW Date Received: 09/29/89

% Moisture: not dec. Date Analyzed: 10/03/89

Column: (pack/cap) PACK Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	10	B
67-64-1	Acetone	7	J
75-15-0	Carbon Disulfide	5	U
75-35-4	1,1-Dichloroethene	5	U
75-34-3	1,1-Dichloroethane	5	U
540-59-0	1,2-Dichloroethene (total)	5	U
67-66-3	Chloroform	5	U
107-06-2	1,2-Dichloroethane	5	U
78-93-3	2-Butanone	45	
71-55-6	1,1,1-Trichloroethane	5	U
56-23-5	Carbon Tetrachloride	5	U
108-05-4	Vinyl Acetate	10	U
75-27-4	Bromodichloromethane	5	U
78-87-5	1,2-Dichloropropane	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
79-01-6	Trichloroethene	5	U
124-48-1	Dibromochloromethane	5	U
79-00-5	1,1,2-Trichloroethane	5	U
71-43-2	Benzene	5	U
10061-02-6	Trans-1,3-Dichloropropene	5	U
75-25-2	Bromoform	5	U
108-10-1	4-Methyl-2-Pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	5	U
79-34-5	1,1,2,2-Tetrachloroethane	5	U
108-88-3	Toluene	5	U
108-90-7	Chlorobenzene	5	U
100-41-4	Ethylbenzene	5	U
100-42-5	Styrene	5	U
1330-20-7	Xylene (total)	5	U
75-71-8	DICHLORODIFLUOROMETHANE	5	U

Resubmission 1/15/90 cdm

1)

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

4901C51

Lab Name: [illegible] Contract: _____

Lab Code: CWLF Case No.: _____ SAS No.: 4901C EDD No.: _____

Matrix: (soil/water) WATER Lab Sample ID: CSR16

Sample wt/vol: 5.0 (g/ML) ML Lab File ID: VOCSR16

Level: (low/med) LOW Date Received: 09/27/89 27 cdm

% Moisture: not dec. _____ Date Analyzed: 09/29/89

Column: (pack/cap) PACK Dilution Factor: 1.0

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	27	B
67-64-1	Acetone	3	J
75-15-0	Carbon Disulfide	5	U
75-35-4	1,1-Dichloroethene	5	U
75-34-3	1,1-Dichloroethane	5	U
540-59-0	1,2-Dichloroethene (total)	5	U
67-66-3	Chloroform	5	U
107-06-2	1,2-Dichloroethane	5	U
78-93-3	2-Butanone	42	
71-55-6	1,1,1-Trichloroethane	5	U
56-23-5	Carbon Tetrachloride	5	U
108-05-4	Vinyl Acetate	10	U
75-27-4	Bromodichloromethane	5	U
78-87-5	1,2-Dichloropropane	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
79-01-6	Trichloroethene	5	U
124-48-1	Dibromochloromethane	5	U
79-00-5	1,1,2-Trichloroethane	5	U
71-43-2	Benzene	5	U
10061-02-6	Trans-1,3-Dichloropropene	5	U
75-25-2	Bromoform	5	U
108-10-1	4-Methyl-2-Pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	5	U
79-34-5	1,1,2,2-Tetrachloroethane	5	U
108-88-3	Toluene	5	U
108-90-7	Chlorobenzene	5	U
100-41-4	Ethylbenzene	5	U
100-42-5	Styrene	5	U
1330-20-7	Xylene (total)	5	U
75-71-8	DICHLORODIFLUOROMETHANE	5	U

000276

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

4901C52

Lab Name: G S E L I Contract: _____

Lab Code: GULF Case No.: _____ SAS No.: 4901C SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: C8I02R

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: VOCSI02R

Level: (low/med) LOW Date Received: 09/29/89

% Moisture: not dec. ____ Date Analyzed: 10/03/89

Column: (pack/cap) PACK Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	10	B
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	5	U
75-35-4	1,1-Dichloroethene	5	U
75-34-3	1,1-Dichloroethane	5	U
540-59-0	1,2-Dichloroethene (total)	5	U
67-66-3	Chloroform	5	U
107-06-2	1,2-Dichloroethane	5	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	5	U
56-23-5	Carbon Tetrachloride	5	U
108-05-4	Vinyl Acetate	10	U
75-27-4	Bromodichloromethane	5	U
78-87-5	1,2-Dichloropropane	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
79-01-6	Trichloroethene	5	U
124-48-1	Dibromochloromethane	5	U
79-00-5	1,1,2-Trichloroethane	5	U
71-43-2	Benzene	5	U
10061-02-6	Trans-1,3-Dichloropropene	5	U
75-25-2	Bromoform	5	U
108-10-1	4-Methyl-2-Pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	5	U
79-34-5	1,1,2,2-Tetrachloroethane	5	U
108-88-3	Toluene	5	U
108-90-7	Chlorobenzene	5	U
100-41-4	Ethylbenzene	5	U
100-42-5	Styrene	5	U
1330-20-7	Xylene (total)	5	U
75-71-8	DICHLORODIFLUOROMETHANE	5	U

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1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

4901C53

Lab Name: G S E L I Contract:

Lab Code: GULF Case No.: SAS No.: 4901C SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: CTE24

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: VOCTE24

Level: (low/med) LOW Date Received: 09/29/89

% Moisture: not dec. Date Analyzed: 10/03/89

Column: (pack/cap) PACK Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	10	B
67-64-1	Acetone	9	J
75-15-0	Carbon Disulfide	5	U
75-35-4	1,1-Dichloroethene	5	U
75-34-3	1,1-Dichloroethane	5	U
540-59-0	1,2-Dichloroethene (total)	5	U
67-66-3	Chloroform	5	U
107-06-2	1,2-Dichloroethane	5	U
78-93-3	2-Butanone	27	
71-55-6	1,1,1-Trichloroethane	5	U
56-23-5	Carbon Tetrachloride	5	U
108-05-4	Vinyl Acetate	10	U
75-27-4	Bromodichloromethane	5	U
78-87-5	1,2-Dichloropropane	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
79-01-6	Trichloroethene	5	U
124-48-1	Dibromochloromethane	5	U
79-00-5	1,1,2-Trichloroethane	5	U
71-43-2	Benzene	5	U
10061-02-6	Trans-1,3-Dichloropropene	5	U
75-25-2	Bromoform	5	U
108-10-1	4-Methyl-2-Pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	5	U
79-34-5	1,1,2,2-Tetrachloroethane	5	U
108-88-3	Toluene	5	U
108-90-7	Chlorobenzene	5	U
100-41-4	Ethylbenzene	5	U
100-42-5	Styrene	5	U
1330-20-7	Xylene (total)	5	U
75-71-8	DICHLORODIFLUOROMETHANE	5	U

WESTON SM

Appendix D

Reviewed and Corrected
Tentatively Identified Compounds

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

4901C1

Lab Name: G S E L I Contract: _____

Lab Code: GULF Case No.: _____ SAS No.: 4901C SDG No.: ~~F7754~~ 5 m

Matrix: (soil/water) WATER Lab Sample ID: CRF03

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: VOCRF03

Level: (low/med) LOW Date Received: 09/19/89

% Moisture: not dec. ____ Date Analyzed: 09/26/89

Column (pack/cap) PACK Dilution Factor: 1.0

Number TICs found: 1 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 76-13-1	ETHANE, 1,1,2-TRICHLORO-1,2,	13.15	2.9	J

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

4901C2

Lab Name: G S E L I Contract: _____

Lab Code: GULF Case No.: _____ SAS No.: 4901C SDG No.: ~~E7255~~ 8m

Matrix: (soil/water) WATER Lab Sample ID: CRP07

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: VOCRP07R

Level: (low/med) LOW Date Received: 09/19/89

% Moisture: not dec. ____ Date Analyzed: 09/26/89

Column (pack/cap) CAP Dilution Factor: 1.0

Number TICs found: 0 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

4901C3

Lab Name: G S E L I Contract: _____

Lab Code: GULF Case No.: _____ SAS No.: 4901C SDG No.: ~~F7735~~ 800

Matrix: (soil/water) WATER Lab Sample ID: CRP10

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: VOCRP10

Level: (low/med) LOW Date Received: 09/19/89

% Moisture: not dec. _____ Date Analyzed: 09/27/89

Column (pack/cap) PACK Dilution Factor: 2.0

Number TICs found: 0 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

Resubmission
1/15/90 cam

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.: 4901C4

Lab Name: G S E L I Contract: _____

Lab Code: GULF Case No.: _____ SAS No.: 4901C SDG No.: FJ7R1 5cm

Matrix: (soil/water) WATER Lab Sample ID: CRU02

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: VOCRU02

Level: (low/med) LOW Date Received: 09/20/89 20 cam

% Moisture: not dec. ____ Date Analyzed: 09/27/89

Column (pack/cap) PACK Dilution Factor: 5.0

Number TICs found: 1 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 354-23-4	EHTANE, 1,2,-DICHLORO-1,1,2-	11.05	34	J

AR306416

000052

Resubmission
1/15/90 cdm

1E

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

4901C5

Lab Name: G S E L I Contract: _____

Lab Code: GULF Case No.: _____ SAS No.: 4901C SDG No.: ~~F7355~~ 5777

Matrix: (soil/water) WATER Lab Sample ID: CRU04

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: VOCRU04

Level: (low/med) LOW Date Received: 09/~~14~~20/89 cdm

% Moisture: not dec. ____ Date Analyzed: 09/27/89

Column (pack/cap) PACK Dilution Factor: 1.0

Number TICs found: 0 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

AR306417

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

4901C6

Lab Name: G S E L I Contract: _____

Lab Code: GULF Case No.: _____ SAS No.: 4901C SDG No.: FI~~J5~~

Matrix: (soil/water) WATER Lab Sample ID: CRF12

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: VOCRF12

Level: (low/med) LOW Date Received: 09/19/89

% Moisture: not dec. ____ Date Analyzed: 09/26/89

Column (pack/cap) PACK Dilution Factor: 1.0

Number TICs found: 0 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

AR306418

Reanalysis
1/15/90 CHM

1E

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

4901C7

Lab Name: G S E L I Contract: _____

Lab Code: GULF Case No.: _____ SAS No.: 4901C SDG No.: ~~F7755~~ F777

Matrix: (soil/water) WATER Lab Sample ID: CRU06

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: VOCRU06

Level: (low/med) LOW Date Received: 09/~~26~~20/89 CHM

% Moisture: not dec. ____ Date Analyzed: 09/27/89

Column (pack/cap) PACK Dilution Factor: 1.0

Number TICs found: 1 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	2.15	25	J

Resubmission
1/15/90CHM

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

4901C8

Lab Name: G S E L I Contract:

Lab Code: GULF Case No.: SAS No.: 4901C SDG No.: ~~F7755~~ 5777

Matrix: (soil/water) WATER Lab Sample ID: CRU08

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: VOCRU08

Level: (low/med) LOW Date Received: 09/~~17~~/89 20 CHM

% Moisture: not dec. Date Analyzed: 09/27/89

Column (pack/cap) PACK Dilution Factor: 1.0

Number TICs found: 0 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

Resubmission
1/15/90 CMM

1E

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

490109

Lab Name: G S E L I Contract:

Lab Code: GULF Case No.: SAS No.: 4901C SDG No.: ~~F2755~~ 3777

Matrix: (soil/water) WATER Lab Sample ID: CRU10

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: VOCRU10

Level: (low/med) LOW Date Received: ~~09/27/89~~ 20 CMM

% Moisture: not dec. Date Analyzed: 09/27/89

Column (pack/cap) PACK Dilution Factor: 1.0

Number TICs found: 0 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

Resubmission
1/15/90 cHm

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

4901C10

Lab Name: G S E L I Contract: _____

Lab Code: GULF Case No.: _____ SAS No.: 4901C SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: CSB02

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: VOCSB02

Level: (low/med) LOW Date Received: 09/20/89 21 cHm

% Moisture: not dec. _____ Date Analyzed: 09/28/89

Column (pack/cap) PACK Dilution Factor: 5.0

Number TICs found: 0 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

1E

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

4901C11

Lab Name: G S E L I Contract: _____

Lab Code: GULF Case No.: _____ SAS No.: 4901C SDG No.: ~~E7755~~ 5 of 11

Matrix: (soil/water) WATER Lab Sample ID: CRF14

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: VOCRF14

Level: (low/med) LOW Date Received: 09/19/89

% Moisture: not dec. ____ Date Analyzed: 09/26/89

Column (pack/cap) PACK Dilution Factor: 1.0

Number TICs found: 0 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

AR306423

Resubmission 1/15/90 CLM

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.: 4901C12

Lab Name: G S E L I Contract:

Lab Code: GULF Case No.: SAS No.: 4901C SDG No.: FI755 Sym

Matrix: (soil/water) WATER Lab Sample ID: CRU12

Sample wt/vol: 500 (g/mL) ml CLM Lab File ID: VOCRU12R

Level: (low/med) LOW Date Received: 09/20 CLM/89

% Moisture: not dec. Date Analyzed: 09/27/89

Column (pack/cap) PACK Dilution Factor: 10

Number TICs found: 1 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	2.20	340	J

Resubmission
1/15/90 cdm

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

4901C13

Lab Name: G S E L I Contract:

Lab Code: GULF Case No.: SAS No.: 4901C SDG No.: ~~F7756~~ 5 cdm

Matrix: (soil/water) WATER Lab Sample ID: CRU14

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: VOCRU14R

Level: (low/med) LOW Date Received: 20 cdm 09/~~19~~/89

% Moisture: not dec. Date Analyzed: 09/28/89

Column (pack/cap) PACK Dilution Factor: 1.0

Number TICs found: 0 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

Reanalysis 1/15/90 cdm

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

4901C14

Name: G S E L I Contract: _____

Lab Code: GULF Case No.: _____ SAS No.: 4901C SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: CSB04

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: VOCSB04

Level: (low/med) LOW Date Received: 09/26/89 2nd cdm

% Moisture: not dec. ____ Date Analyzed: 09/28/89

Column (pack/cap) PACK Dilution Factor: 5.0

Number TICs found: 0 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

4901C15

Lab Name: G S E L I Contract: _____

Lab Code: GULF Case No.: _____ SAS No.: 4901C SDG No.: ~~F7755~~ 5777

Matrix: (soil/water) WATER Lab Sample ID: CRF16

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: VOCRF16

Level: (low/med) LOW Date Received: 09/19/89

% Moisture: not dec. ____ Date Analyzed: 09/26/89

Column (pack/cap) PACK Dilution Factor: 1.0

Number TICs found: 0 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

4901C16

Lab Name: G S E L I Contract: _____

Lab Code: GULF Case No.: _____ SAS No.: 4901C SDG No.: ~~E7755~~ 8777

Matrix: (soil/water) WATER Lab Sample ID: CRP18

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: VOCRP18

Level: (low/med) LOW Date Received: 09/19/89

% Moisture: not dec. ____ Date Analyzed: 09/26/89

Column (pack/cap) PACK Dilution Factor: 1.0

Number TICs found: 5 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		UNKNOWN	2.00	63	J
2.	79-38-9	ETHENE, CHLOROTRIFLUORO-	4.30	5.0	J
3.	75-43-4	METHANE, DICHLOROFLUORO-	6.25	71	J
4.	354-23-4	ETHANE, 1,2-DICHLORO-1,1,2-T	11.00	58	J
5.		UNKNOWN	12.75	12	J

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

4901C17

Lab Name: G S E L I Contract: _____

Lab Code: GULF Case No.: _____ SAS No.: 4901C SDG No.: ~~F1755~~ 8977

Matrix: (soil/water) WATER Lab Sample ID: CRP20

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: VOCRP20

Level: (low/med) LOW Date Received: 09/19/89

% Moisture: not dec. _____ Date Analyzed: 09/26/89

Column (pack/cap) PACK Dilution Factor: 1.0

Number TICs found: 5 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		UNKNOWN	1.95	36	J
2.	79-38-9	ETHENE, CHLOROTRIFLUORO-	4.25	7.9	J
3.	75-43-4	METHANE, DICHLOROFLUORO-	6.20	29	J
4.	354-23-4	ETHANE, 1,2-DICHLORO-1,1,2-T	11.00	8.7	J
5.	76-13-1	ETHANE, 1,1,2-TRICHLORO-1,2,	13.15	5.3	J

Resubmission 1/15/90 cwm

1E

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

4901C18

Lab Name: G S E L I Contract:

Lab Code: GULF Case No.: SAS No.: 4901C SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: CS806

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: VOCS806

Level: (low/med) LOW Date Received: 09/20/89 2/cwm

% Moisture: not dec. Date Analyzed: 09/28/89

Column (pack/cap) PACK Dilution Factor: 5.0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

Number TICs found: 0

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

Resubmission 1/15/92 cdm

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

4901C19

Lab Name: G C E L I Contract: _____

Lab Code: GULF Case No.: _____ SAS No.: 4901C SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: CSB08

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VOCSB08

Level: (low/med) LOW Date Received: 09/21/89 21 cdm

% Moisture: not dec. _____ Date Analyzed: 09/28/89

Column (pack/cap) PACK Dilution Factor: 1.0

Number TICs found: 0 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

Resubmission
1/15/90 CLM

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

4901C20

Lab Name: G S E L I Contract:

Lab Code: GULF Case No.: SAS No.: 4901C SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: CSB14

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: VOCSB14

Level: (low/med) LOW Date Received: 09/~~28~~/89 2/CLM

% Moisture: not dec. Date Analyzed: 09/28/89

Column (pack/cap) PACK Dilution Factor: 1.0

Number TICs found: 0 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

Resubmission 1/15/90 CHM

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

4901C21

Lab Name: G S E L I Contract: ______

Lab Code: GULF Case No.: ______ SAS No.: 4901C SDG No.: ~~[illegible]~~ [illegible]

Matrix: (soil/water) WATER Lab Sample ID: CRU16

Sample wt/vol: 5.0 (g/mL) ~~G~~ ml CHM Lab File ID: VOCRU16

Level: (low/med) LOW Date Received: 09/~~[illegible]~~20/89 CHM

% Moisture: not dec. ____ Date Analyzed: 09/27/89

Column (pack/cap) PACK Dilution Factor: ~~1.0~~ 10 CHM

CONCENTRATION UNITS:

Number TICs found: 0 (ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

AR306433

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

4901C22

Lab Name: G S E L I Contract: _____

Lab Code: GULF Case No.: _____ SAS No.: 4901C SDG No.: ~~FIRST~~ 5777

Matrix: (soil/water) WATER Lab Sample ID: CRF22

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: VOCRF22

Level: (low/med) LOW Date Received: 09/19/89

% Moisture: not dec. ____ Date Analyzed: 09/26/89

Column (pack/cap) PACK Dilution Factor: 1.0

Number TICs found: 0 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

Resubmission
1/15/90 cdm

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

4901C23

Lab Name: G S E L I Contract: _____

Lab Code: GULF Case No.: _____ SAS No.: 4901C SDG No.: ~~F2735~~ 5F711

Matrix: (soil/water) WATER Lab Sample ID: CRU18

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: VOCRU18

Level: (low/med) LOW Date Received: 09/~~22~~/89 20 cdm

% Moisture: not dec. ____ Date Analyzed: 09/27/89

Column (pack/cap) PACK Dilution Factor: 1.0

Number TICs found: 0 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

AR306435

Resubmission
1/15/90 cwm

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

4901C24

Lab Name: G S E L I Contract:

Lab Code: GULF Case No.: SAS No.: 4901C SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: CSB16

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: VOCSB16

Level: (low/med) LOW Date Received: 09/21/89 21 cwm

% Moisture: not dec. Date Analyzed: 09/29/89

Column (pack/cap) PACK Dilution Factor: 1.0

Number TICs found: 0 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

Resubmission
1/15/90 cpm

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

4901C25

Lab Name: O S E L I Contract: _____

Lab Code: GULF Case No.: _____ SAS No.: 4901C SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: CSB18

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: VOCSB18R

Level: (low/med) LOW Date Received: 09/21/89 2/cpm

% Moisture: not dec. _____ Date Analyzed: 09/29/89

Column (pack/cap) PACK Dilution Factor: 1.0

Number TICs found: 0 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

4901C26

Lab Name: G S E L I Contract: _____

Lab Code: GULF Case No.: _____ SAS No.: 4901C SDG No.: F7755

Matrix: (soil/water) WATER Lab Sample ID: CRF24

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: VOCRF24

Level: (low/med) LOW Date Received: 09/19/89

% Moisture: not dec. ____ Date Analyzed: 09/26/89

Column (pack/cap) PACK Dilution Factor: 1.0

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

Resubmission 1/15/90 CAM

1E

EPA SAMPLE NO.

4901C27

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: G S E L I Contract: _____

Lab Code: GULF Case No.: _____ SAS No.: 4901C SDG No.: ~~EF035~~ 5711

Matrix: (soil/water) WATER Lab Sample ID: CRU20

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: VOCRU20

Level: (low/med) LOW Date Received: 09/20 CAM/89

% Moisture: not dec. ____ Date Analyzed: 09/27/89

Column (pack/cap) PACK Dilution Factor: 1.0

Number TICs found: 0 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

Resubmission
1/15/90 cdm

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

4901C23

Lab Name: G S E L I Contract:

Lab Code: GULF Case No.: SAS No.: 4901C SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: CSB20

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: VOCSB20R

Level: (low/med) LOW Date Received: 09/21/89

% Moisture: not dec. Date Analyzed: 09/29/89

Column (pack/cap) PACK Dilution Factor: 1.0

Number TICs found: 0 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

Resubmission
1/15/90CHM

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

4901C29

Lab Name: G S E L I Contract:

Lab Code: GLLF Case No.: SAS No.: 4901C SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: CSV02

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: VOCSV02

Level: (low/med) LOW Date Received: 09/28/89 28 CHM

% Moisture: not dec. Date analyzed: 09/29/89

Column (pack/cap) PACK Dilution Factor: 1.0

Number TICs found: 0 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

4901C30

Lab Name: G S E L I Contract: _____

Lab Code: GULF Case No.: _____ SAS No.: 4901C SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: CTE02

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: VOCTE02

Level: (low/med) LOW Date Received: 09/29/89 (29 calm)

% Moisture: not dec. ____ Date Analyzed: 10/02/89

Column (pack/cap) PACK Dilution Factor: 1.0

Number TICs found: 0 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

Resubmission 1/15/90 CHM

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

4901C31

Lab Name: O S E L I Contract:

Lab Code: GULF Case No.: Sas No.: 4901C SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: CSR02

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: VOCSR02

Level: (low/med) LOW Date Received: 09/26/89 27 CHM

% Moisture: not dec. Date Analyzed: 09/29/89

Column (pack/cap) PACK Dilution Factor: 1.0

Number TICs found: 0 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

Resubmission
1/15/90 CKM

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

4901CV2

Lab Name: G S E L I Contract:

Lab Code: GULF Case No.: SAS No.: 4901C SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: CSV04

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: VOCSV04R

Level: (low/med) LOW Date Received: 09/29/89 28 CKM

% Moisture: not dec. Date Analyzed: 10/02/89

Column (pack/cap) PACK Dilution Factor: 1.0

Number TICs found: 0 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

Resubmission 1/15/90 CMM

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

4901C35

Lab Name: G S E L I Contract:

Lab Code: GSLE Case No.: SAS No.: 4901C SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: CSV06

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: VOCSV06

Level: (low/med) LOW Date Received: 09/28/89 CMM

% Moisture: not dec. Date Analyzed: 10/02/89

Column (pack/cap) PACK Dilution Factor: 1.0

Number TICs found: 0 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

Resubmission 1/15/90 CLDM

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

4901C34

Lab Name: OSELI Contract:

Lab Code: GULF Case No.: SAS No.: 4901C SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: CSR04

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: VOCSR04

Level: (low/med) LOW Date Received: 09/20/89 CJCDM

% Moisture: not dec. Date Analyzed: 09/29/89

Column (pack/cap) PACK Dilution Factor: 1.0

Number TICs found: 0 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

Resubmission 1/15/90 cdm

E

VOLATILE ORGANICO ANALYSIS DATA SHEET
TENTATTVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

4901C36

Lab Name: G C E L I Contract:

Lab Code: GULF Case No.: SAS No.: 4901C SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: CSV08

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: VOCSV08

Level: (low/med) LOW Date Received: 09/29/89 cdm

% Moisture: not dec. Date Analyzed: 10/02/89

Column (pack/cap) PACK Dilution Factor: 1.0

Number TICs found: 0 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

Resubmission
1/15/90 CAM

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

4901CC7

Lab Name: Q S E L I Contract:

Lab Code: QUAL Case No.: SAS No.: 4901C SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: CSR05

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: VOCSR05

Level: (low/med) LOW Date Received: 09/28/89 7 CAM

% Moisture: not dec. Date Analyzed: 09/29/89

Column (pack/cap) PACK Dilution Factor: 1.0

Number TICs found: 0 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

Resubmission 1/15/90 CKM

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

4901C38

Lab Name: G S E L I Contract: _____

Lab Code: GULF Case No.: _____ SAS No.: 4901C SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: CSR08

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: VOCSR08

Level: (low/med) LOW Date Received: 09/26/89 (27 CKM)

% Moisture: not dec. _____ Date Analyzed: 09/29/89

Column (pack/cap) PACK Dilution Factor: 1.0

Number TICs found: 3 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		UNKNOWN	2.00	110	J
2.	75-43-4	METHANE, DICHLOROFLUORO	6.25	66	J
3.		UNKNOWN	12.80	91	J

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

4901C40

Lab Name: G S E L I Contract: _____

Lab Code: GULF Case No.: _____ SAS No.: 4901C SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: CTE40

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: VOCTE04

Level: (low/med) LOW Date Received: 09/29 ctm/89

% Moisture: not dec. ____ Date Analyzed: 10/03/89

Column (pack/cap) PACK Dilution Factor: 2.0

Number TICs found: 0 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

4901C41

Lab Name: G S E L I Contract: _____

Lab Code: GULF Case No.: _____ SAS No.: 4901C SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: CTE06

Samole wt/vol: 5.0 (g/mL) ML Lab File ID: VOCTE06

Level: (low/med) LOW Date Received: 09/29/89

% Moisture: not dec. ____ Date Analyzed: 10/02/89

Column (pack/cap) PACK Dilution Factor: 1.0

Number TICs found: 3 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	75-45-6	METHANE, CHLORODIFLUORO-	1.90	59	J
2.	75-43-4	METHANE, DICHLOROFLUORO-	6.20	18	J
3.	75-69-4	METHANE, TRICHLOROFLUORO-	9.40	12	J

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

4901C42

Name: G S E L I Contract:

Lab Code: GULF Case No.: SAS No.: 4901C SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: CTE08

Samole wt/vol: 5.0 (g/mL) ML Lab File ID: VOCTE08

Level: (low/med) LOW Date Received: 09/29/89

% Moisture: not dec. Date Analyzed: 10/02/89

Column (pack/cap) PACK Dilution Factor: 1.0

Number TICs found: 1 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	75-43-4	METHANE, DICHLOROFLUORO-	8.25	32	J

Resubmission 11/15/90 cdm

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

4901043

Lab Name: CHEMLAB Contract:

Lab Code: CHLAB Case No.: SAS No.: 49010 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: CSR10

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: VOCSR10

Level: (low/med) LOW Date Received: 09/27/89 cdm

% Moisture: not dec. Date Analyzed: 09/29/89

Column (pack/cap) PACK Dilution Factor: 1.0

Number TICs found: 5 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	2.00	22	J
2. 75-76-9	ETHENE, CHLOROTRIFLUORO-	4.50	20	J
3. 76-43-4	METHANE, DICHLOROFLUORO-	6.20	62	J
4. 354-23-4	ETHANE, 1,1,2-TRIFLUORO-	11.00	11	J
5.	UNKNOWN	12.75	13	J
6. 71-13-1	ETHANE, 1,1,2-TRICHLORO-1,2,	13.20	28	J

Resubmission 1/15/93 ctm

IE

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

4901C44

Name: G S E L I Contract:

Lab Code: GULF Case No.: SAS No.: 4901C SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: CSR12

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: VOCSR12

Level: (low/med) LOW Date Received: 09/23/92 27 ctm

% Moisture: not dec. Date Analyzed: 09/29/92

Column (pack/cap) PACK Dilution Factor: 5.0 1.0 5.0 ctm

Number TICs found: 1 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
75-69-4	METHANE, TRICHLOROFLUORO	9.40	5.5	J

Resubmission 1/15/90 CAM

LE

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

4901C45

Lab Name: G E L C Contract:

Lab Code: GULF Case No.: SAS No.: 4901C SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: CSR14

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: VOCSR14

Level: (low/med) LOW Date Received: 09/21/89 21 CAM

% Moisture: not dec. Date Analyzed: 09/29/89

Column (pack/cap) PACK Dilution Factor: 1.0

Number TICs found: 2 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	1.95	53	J
2.	UNKNOWN	12.75	3.2	J

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

4901C46

Lab Name: G S E L I Contract: _____

Lab Code: GULF Case No.: _____ SAS No.: 4901C SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: CTE14

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: VOCTE14

Level: (low/med) LOW Date Received: 09/29/89 (29 CWM)

% Moisture: not dec. ____ Date Analyzed: 10/02/89

Column (pack/cap) PACK Dilution Factor: 1.0

Number TICs found: 0 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.: 4901C47

Lab Name: G S E L I Contract: _____

Lab Code: GULF Case No.: _____ SAS No.: 4901C SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: CTE16

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: VOCTE16R2

Level: (low/med) LOW Date Received: 09/29/89 29arm

% Moisture: not dec. ____ Date Analyzed: 10/04/89

Column (pack/cap) PACK Dilution Factor: 2.0

Number TICs found: 0 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

4901C48

Lab Name: G S E L I Contract: _____

Lab Code: GULF Case No.: _____ SAS No.: 4901C SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: CTE18

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: VOCTE18

Level: (low/med) LOW Date Received: 09/29/89

% Moisture: not dec. ____ Date Analyzed: 10/02/89

Column (pack/cap) PACK Dilution Factor: 1.0

Number TICs found: 0 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

4901C49

Lab Name: G S E L I Contract: _____

Lab Code: GULF Case No.: _____ SAS No.: 4901C SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: CTE20

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: VOCTE20R

Level: (low/med) LOW Date Received: 09/29/89

% Moisture: not dec. ____ Date Analyzed: 10/03/89

Column (pack/cap) PACK Dilution Factor: 1.0

Number TICs found: 0 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

4901C50

Name: G S E L I Contract: _____

Lab Code: GULF Case No.: _____ SAS No.: 4901C SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: CTE22

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: VOCTE22

Level: (low/med) LOW Date Received: 09/29/89

% Moisture: not dec. _____ Date Analyzed: 10/03/89

Column (pack/cap) PACK Dilution Factor: 1.0

Number TICs found: 0 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

Resubmission
1/15/90 CHM

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

4901CS1

Lab Name: GELE Contract:

Lab Code: GELF Case No.: SAS No.: 4901C SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: CSR16

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: VOCSR16

Level: (low/med) LOW Date Received: 09/20/89 27 CHM

% Moisture: not dec. Date Analyzed: 02/22/89

Column (pack/cap) PACK Dilution Factor: 1.0

Number TICs found: 0 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

4901C52

Lab Name: G S E L I Contract: _____

Lab Code: GULF Case No.: _____ SAS No.: 4901C SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: C8Z02R

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: VOCSZ02R

Level: (low/med) LOW Date Received: 09/28/89

% Moisture: not dec. ____ Date Analyzed: 10/03/89

Column (pack/cap) PACK Dilution Factor: 1.0

Number TICs found: 0 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

4901C53

Lab Name: G S E L I Contract: _____

Lab Code: GULF Case No.: _____ SAS No.: 4901C SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: CTE24

Sample wt./vol: 5.0 (g/mL) ML Lab File ID: VOCTE24

Level: (low/med) LOW Date Received: 09/28/89

% Moisture: not dec. _____ Date Analyzed: 10/03/89

Column (pack/cap) PACK Dilution Factor: 1.0

Number TICs found: 0 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

WESTON SM

Appendix E

Organic Regional Data Assessment Summary

DPO: [ ] ACTION [X] FYI

Region III

ORGANIC REGIONAL DATA ASSESSMENT SUMMARY

CASE NO. 12661 - SAS 4901-C

LABORATORY GULF

SDG NO. N/A

DATA USER B. J. VERRETT Rc. VI

SOW N/A

REVIEW COMPLETION DATE 1/19/90

NO. OF SAMPLES 51 MATRIX WATER

REVIEWER [ ] ESD [X] ESAT [ ] OTHER, CONTRACT/CONTRACTOR _____

	VOA	BNA	PEST	OTHER
1. HOLDING TIMES	M			
2. GC-MS TUNE/ GC PERFORMANCE	O			
3. INITIAL CALIBRATIONS	X			
4. CONTINUING CALIBRATIONS	M			
5. FIELD BLANKS ("F" = not applicable)	X			
6. LABORATORY BLANKS	X			
7. SURROGATES	O			
8. MATRIX SPIKE/DUPLICATES	O			
9. REGIONAL QC ("F" = not applicable)	F			
10. INTERNAL STANDARDS	O			
11. COMPOUND IDENTIFICATION	O			
12. COMPOUND QUANTITATION	O			
13. SYSTEM PERFORMANCE	O			
14. OVERALL ASSESSMENT	M			

O = No problems or minor problems that do not affect data usability.
X = No more than *about 5%* of the data points are qualified as either estimated or unusable.
M = More than *about 5%* of the data points are qualified as estimated.
Z = More than *about 5%* of the data points are qualified as unusable.
A = DPO action requested; use in conjunction with one of the above codes.

DPO ACTION ITEMS: _____

AREAS OF CONCERN: ADDITIONAL QC PERFORMED — SEE ITEM 15 NOT

DOCUMENTATION ATTACHED (SEE FOLLOWING PAGES)

ORGANIC REGIONAL DATA ASSESSMENT SUMMARY NOTES
SAS 4901C (water samples)

Item 1A - The volatiles analyses of samples 4901C-1 through 4901C-28 inclusive were performed eight (8) to nine (9) days from the date of sample collection. The technical holding time for volatile aromatics in water samples of seven (7) days has been exceeded by one (1) to two (2) days. Contractual holding times were met for all samples. (See Appendix F).

Item 3A - The response factor (RF) for 2-butanone was less than 0.05 in the initial calibration. (See Table I in Appendix F for the affected samples).

Item 3B - The volatile compound methylene chloride failed precision criteria (RSD $\leq$30%) for the initial calibration. (See Table I in Appendix F).

Item 4A - Several volatile compounds failed precision criteria (RSD $\leq$25%) for the continuing calibrations. (See Table I in Appendix F).

Item 5A - The maximum concentrations of compounds found in the trip blanks, preserved blanks, or rinsate blanks are listed below. (See Appendix F).

Compound	Concentration
methylene chloride *	38 µg/L
acetone *	9 µg/L
2-butanone *	45 µg/L

* - Common Laboratory Contaminant

Item 6A - The maximum concentrations of compounds found in the method blanks are listed below. (See Appendix F).

Compound	Concentration
methylene chloride *	7 µg/L
acetone *	23 µg/L

* - Common Laboratory Contaminant

ORGANIC REGIONAL DATA ASSESSMENT SUMMARY NOTES
SAS 4901C (water samples)

Item 8A - One of the MS/MSD analysis had compounds other than the spiking compounds present. Following is a table of results and precision estimates for these non-spiked compounds:

MS/MSD Non-Spiked Compounds

Compound	Concentration (µg/L) 4901C-42	4901C-42MS	4901C-42MSD	%RSD
1,1-dichloroethane	4 J	3 J	3 J	17
1,1,1-trichloroethane	3 J	3 J	3 J	0
trichloroethene	3 J	ND	ND	IN
t-1,3-dichloropropene	ND	3 J	3 J	0 +
tetrachloroethene	11	10	10	6
dichlorodifluoromethane	7	57	47	NE

RSD - Relative Standard Deviation
\+ - Relative Percent Difference (RPD)
IN - Indeterminate
NE - Not Evaluated, a spiking compound found during original sample analysis

Item 14A - Four pairs of field duplicate samples were collected and analyzed. Only three of these field duplicate pairs had positive results for one or both samples. Following are tables summarizing the results of these analyses, including precision estimates:

Compound	Concentration (µg/L) 4901C-4	4901C-21	RPD
1,1,1-trichloroethane	20 J	ND	IN
tetrachloroethene	15 J	ND	IN

Compound	Concentration (µg/L) 4901C-30	4901C-46	RPD
total-1,2-dichloroethene	3 J	3 J	0
tetrachloroethene	12	11	9

ORGANIC REGIONAL DATA ASSESSMENT SUMMARY NOTES
SAS 4901C (water samples)

Compound	Concentration (µg/L) 4901C-40	4901C-47	RPD
benzene	7 J	4 J	55

RPD - Relative Percent Difference
ND - Not Detected
IN - Indeterminant

Item 15A - In addition to the usual QC analyses performed for CLP cases, this SAS required the analysis of "Method Spikes" as part of the analytical procedure. The QC acceptance limit for these spikes was a recovery within sixty to one-hundred forty percent (60-140%) of the spiking level of dichlorodifluoromethane. The spiking level for the method spikes was 5 µg/L of dichlorodifluoromethane, the contract required quantitation limit (CRQL). All of the method spikes were within the QC acceptance limits.

Item 15B - In addition to the usual CLP volatile MS/MSD spiking compounds, dichlorodifluoromethane was spiked at a concentration of 50 µg/L. There were no QC acceptance limits set in the SAS request for the spike recoveries or RPD's of dichlorodifluoromethane. The spike recoveries ranged from eighty to one-hundred thirty-six percent (80-136%), and the RPD values ranged from three to twenty-two percent (3-22%) for the dichlorodifluoromethane MS/MSD results. Since no QC acceptance limits were set by the SAS request, no data was qualified based on these results.

DCN - DM001A11

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Appendix F

Support Documentation

TABLE I
ENVIRONMENTAL PROTECTION AGENCY REGION III
CALIBRATION OUTLIERS
VOLATILE HSL COMPOUNDS

CASE/SAS No. 12661 4901-C CONTRACTOR GLF

Instrument# A	Init. Cal.			Cont. Cal.			Cont. Cal.			Cont. Cal.			Cont. Cal.		
DATE/TIME:	9/25/89 1408			9/26/89 0907			9/27/89 0908			9/28/89 1006			9/29/89 0922		
	RF	%RSD	*	RF	%D	*	RF	%D	*	RF	%D	*	RF	%D	*
Chloromethane											127.5	C			
Bromomethane											128.4	C		132.7	C
Vinyl Chloride															
Chloroethane														126.2	C
Methylene Chloride		144.6	I		130.8	C+								125.2	C+
Acetone											127.9	C+		147.0	C+
Carbon Disulfide															
1,1-Dichloroethene															
1,1-Dichloroethane															
Total-1,2-Dichloroethene															
Chloroform															
1,2-Dichloroethane								127.7	C						
2-Butanone	10.041		F	10.049		F	10.036		F	10.028	131.7	F	10.030	126.8	F
1,1,1-Trichloroethane															
Carbon Tetrachloride															
Vinyl Acetate															
Bromodichloromethane															
1,2-Dichloropropane															
Cis-1,3-Dichloropropene															
Trichloroethene															
Dibromochloromethane															
1,1,2-Trichloroethane															
Benzene															
Trans-1,3-Dichloropropene															
Bromoform															
4-Methyl-2-pentanone															
2-Hexanone											130.2	C		125.7	C
Tetrachloroethene															
1,1,2,2-Tetrachloroethane															
Toluene															
Chlorobenzene															
Ethylbenzene															
Styrene															
Total Xylenes															

AFFECTED SAMPLES:	All Samples	VBIKW1 Method Spike	VBIKW2 Method Spike	VCIKW3 Method Spike	VCIKW2 Method Spike
		4901C1	4901C3	4901C13	4901C25
		4901C1MS	4901C4	VBIKW1	4901C28
		4901C1MSD	4901C5	Method Spike	4901C21
		4901C2	4901C7	4901C10	4901C34
		4901C6	4901C8	4901C14	4901C44
		4901C11	4901C23	4901C19	4901C37
		4901C15	4901C27	4901C19MS	4901C43
		4901C16	4901C9	4901C19MSD	4901C45
		4901C17	4901C21	4901C18	4901C51
		4901C22	4901C12	4901C20	4901C29
		4901C26		4901C24	4901C38

Reviewer Initials/Date: DJM 12/18/89

* See Last page of this table for DEFINITION OF CODES.

AR306470

TABLE I

ENVIRONMENTAL PROTECTION AGENCY REGION III

CALIBRATION OUTLIERS

VOLATILE HSL COMPOUNDS

CASE/(SAS) No. 12661 4901-C CONTRACTOR G4LF

Instrument# A	Init. Cal.			Cont. Cal.			Cont. Cal.			Cont. Cal.			Cont.		
DATE/TIME:	9/25/89 1408			10/02/89 1131			10/03/89 1059			10/04/89 0950					
	RF	%RSD	*	RF	%D	*	RF	%D	*	RF	%D	*	RF	%D	*
Chloromethane															
Bromomethane															
Vinyl Chloride															
Chloroethane											130.1	IC			
Methylene Chloride		144.6	IC					130.0	IC						
Acetone					147.2	IC		151.2	IC						
Carbon Disulfide															
1,1-Dichloroethene															
1,1-Dichloroethane															
Total-1,2-Dichloroethene															
Chloroform															
1,2-Dichloroethane															
2-Butanone	10.041		F	10.028	121.7	F	10.032		F	10.032		F			
1,1,1-Trichloroethane															
Carbon Tetrachloride															
Vinyl Acetate					65.8	IC		131.5	IC		136.8	IC			
Bromodichloromethane															
1,2-Dichloropropane															
Cis-1,3-Dichloropropene															
Trichloroethene															
Dibromochloromethane															
1,1,2-Trichloroethane															
Benzene															
Trans-1,3-Dichloropropene															
Bromoform															
4-Methyl-2-pentanone															
2-Hexanone								144.3	IC						
Tetrachloroethene															
1,1,2,2-Tetrachloroethane															
Toluene															
Chlorobenzene															
Ethylbenzene															
Styrene															
Total Xylenes															

AFFECTED SAMPLES:	All Samples	VBLKW1 Method Spike1	VBLKW2 Method Spike2	VBLKW3 Method Spike3
		4901C42	4901C52	4901C47
		4901C42MS	4901C40	
		4901C42MSD	4901C49	
		4901C30	4901C50	
		4901C41	4901C53	
		4901C46		
		4901C48		
		VBLKW3 Method Spike3		
		4901C32		
		4901C33		
		4901C36		

Reviewer Initials/Date: DJM 12/18/89

* See Last page of this table for DEFINITION OF CODES.

AR306471

DEFINITION OF CODES USED IN TABLE I

I = %RSD exceeded 30% in the initial calibration, positive results are qualified "J", and quantitation limits are qualified "UJ".

C = %D exceeded 25% in the continuing calibration. Positive results are qulified "J", and quantitation limits are qualified "UJ".

F = RF less than 0.05 in all calibrations. All quantitation limits are qualified "R".

+ = The "B" qualifier, denoting blank contamination, supersedes the qualifier issued in this table.

L = The "L" qualifier, denoting low bias of results, supersedes the qualifier issued in this table.

R = The "R" qualifier, denoting unusuable results, supersedes the qualifier issued in this table.

Reconsideration
1/15/90 cdm

6A

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: G E L I Contract: _____

Lab Code: GULF Case No.: _____ SAS No.: 4901C SDG No.: _____

Instrument ID: A Calibration Date(s): 09/25/89 09/25/89

Matrix:(soil/water) WATER Level:(low/med) LOW Column:(pack/cap) PACK

Min RRF for SPCC(#) = 0.300 (0.250 for Bromoform) Max %RSD for CCC(*) = 30.0%

Lab File ID: RRF20 = AVS0925S9A RRF50 = AVS0925S9B

RRF100= AVS0925S9C RRF150= AVS0925S9D RRF200= AVS0925S9E

COMPOUND		RRF20	RRF50	RRF100	RRF150	RRF200	RRF	% RSD
Chloromethane	#	5.108	4.315	3.671	3.834	4.019	4.189	13.5#
Bromomethane		2.668	2.611	2.525	2.331	1.931	2.413	12.4
Vinyl Chloride	*	3.688	3.327	3.198	3.058	3.368	3.366	5.7*
Chloroethane		1.952	1.600	1.607	1.591	1.534	1.657	10.1
Methylene Chloride		3.813	4.113	3.104	2.605	2.777	3.388	44.8
Acetone		1.794	1.374	1.529	1.434	0.792	1.385	25.6
Carbon Disulfide		4.384	4.654	5.176	5.529	6.124	5.132	8.8
1,1-Dichloroethene	*	1.500	1.376	1.441	1.534	1.530	1.482	4.2*
1,1-Dichloroethane	*	3.712	3.471	3.628	3.830	3.894	3.717	4.8#
1,2-Dichloroethene (total)		1.655	1.515	1.589	1.696	1.699	1.631	4.8
Chloroform	*	3.366	3.229	3.289	3.508	3.495	3.377	3.[illegible]
1,2-Dichloroethane		2.641	2.505	2.507	2.658	2.646	2.591	3.[illegible]
2-Butanone		0.037	0.040	0.046	0.049	0.035	0.041	14.5
1,1,1-Trichloroethane		0.518	0.500	0.509	0.520	0.521	0.514	1.7
Carbon Tetrachloride		0.433	0.428	0.439	0.456	0.449	0.441	2.6
Vinyl Acetate		0.990	0.908	0.910	0.988	1.016	0.962	5.2
Bromodichloromethane		0.648	0.670	0.690	0.727	0.741	0.695	5.6
1,2-Dichloropropane	*	0.607	0.575	0.594	0.628	0.643	0.609	4.4*
cis-1,3-Dichloropropene		0.777	0.765	0.812	0.875	0.906	0.827	7.4
Trichloroethene		0.403	0.379	0.385	0.401	0.402	0.394	2.8
Dibromochloromethane		0.443	0.495	0.501	0.535	0.545	0.504	8.0
1,1,2-Trichloroethane		0.377	0.367	0.364	0.391	0.404	0.381	4.4
Benzene		1.432	1.314	1.397	1.500	1.543	1.437	6.2
trans-1,3-Dichloropropene		0.358	0.368	0.397	0.439	0.454	0.403	10.5
Bromoform	#	0.266	0.307	0.312	0.339	0.345	0.314	10.0#
4-Methyl-2-Pentanone		0.680	0.587	0.563	0.601	0.620	0.610	7.2
2-Hexanone		0.442	0.447	0.490	0.536	0.420	0.467	7.9
Tetrachloroethene		0.393	0.360	0.365	0.369	0.362	0.370	3.6
1,1,2,2-Tetrachloroethane	#	0.733	0.678	0.666	0.711	0.731	0.704	4.3#
Toluene	*	0.914	0.860	0.887	0.915	0.919	0.899	2.8*
Chlorobenzene	#	1.090	1.024	1.035	1.048	1.046	1.049	2.4#
Ethylbenzene	*	0.520	0.488	0.499	0.508	0.506	0.504	2.3*
Styrene		1.058	1.076	1.088	1.118	1.113	1.091	2.3
Xylene (total)		0.575	0.561	0.578	0.578	0.568	0.572	1.3
Toluene-d8		1.274	1.216	1.251	1.269	1.276	1.257	2.[illegible]
Bromofluorobenzene		0.754	0.755	0.765	0.776	0.766	0.763	1.[illegible]
1,2-Dichloroethane-d4		2.092	2.034	2.050	2.164	2.140	2.096	2.[illegible]
DICHLORODIFLUOROETHANE		3.024	2.647	2.609	2.422	2.285	2.597	10.7

VOLATILE CONTINUING 7A CALIBRATION CHECK

Lab Name: G S E L I Contract: _____

Lab Code: GULF Case No.: _____ SAS No.: 4901C SDG No.: _____

Instrument ID: A Calibration date: 09/26/89 Time: 0930

Lab File ID: AVS092689A Init. Calib. Date(s): 09/25/89 09/25/89

Matrix:(soil/water) WATER Level:(low/med) LOW Column:(pack/cap) PACK

Min RRF50 for SPCC(#) = 0.300 (0.250 for Bromoform) Max %D for CCC(*) = 25.0%

	COMPOUND		RRF	RRF50	%D	
	Chloromethane	#	4.189	4.350	-3.8	#
	Bromomethane		2.413	2.561	-6.1	
	Vinyl Chloride	*	3.366	3.337	0.9	*
	Chloroethane		1.657	1.602	3.3	
	Methylene Chloride		3.888	2.689	30.8	
	Acetone		1.385	1.423	-2.7	
	Carbon Disulfide		5.132	4.965	3.3	
	1,1-Dichloroethene	*	1.482	1.479	0.2	*
	1,1-Dichloroethane	#	3.717	3.797	-2.2	#
	1,2-Dichloroethene (total)		1.631	1.613	1.1	
	Chloroform	*	3.377	3.396	-0.6	*
	1,2-Dichloroethane		2.591	2.646	-2.1	
	2-Butanone		0.041	0.040	2.4	
	1,1,1-Trichloroethane		0.514	0.516	-0.4	
	Carbon Tetrachloride		0.441	0.439	0.5	
	Vinyl Acetate		0.962	0.969	-0.7	
	Bromodichloromethane		0.695	0.692	0.4	
	1,2-Dichloropropane	*	0.609	0.624	-2.5	*
	cis-1,3-Dichloropropene		0.827	0.801	3.1	
	Trichloroethene		0.394	0.387	1.8	
	Dibromochloromethane		0.504	0.478	5.2	
	1,1,2-Trichloroethane		0.381	0.374	1.8	
	Benzene		1.437	1.411	1.8	
	Trans-1,3-Dichloropropene		0.403	0.381	5.5	
	Bromoform	#	0.314	0.284	9.6	#
	4-Methyl-2-Pentanone		0.610	0.597	2.1	
	2-Hexanone		0.467	0.413	11.6	
	Tetrachloroethene		0.370	0.359	3.0	
	1,1,2,2-Tetrachloroethane	#	0.704	0.681	3.3	#
	Toluene	*	0.899	0.878	2.3	*
	Chlorobenzene	#	1.049	1.032	1.6	#
	Ethylbenzene	*	0.504	0.491	2.6	*
	Styrene		1.091	1.068	2.1	
	Xylene (total)		0.572	0.569	0.5	
	Toluene-d8		1.257	1.253	0.3	
	Bromofluorobenzene		0.763	0.755	1.0	
	1,2-Dichloroethane-d4		2.096	2.191	-4.5	
	DICHLORODIFLUOROMETHANE		2.597	3.754	6.0	

VBIKW1
METHOD SPIKE
4901C1
4901C1MS
4901C1MSD
4901C2
4901C6
4901C11
4901C15
4901C16
4901C17
4901C22
4901C26

7A

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: G S E L I Contract: _____

Lab Code: GULF Case No.: _____ SAS No.: 4901C SDG No.: _____

Instrument ID: A Calibration date: 09/27/89 Time: 0929

Lab File ID: AVS092789A Init. Calib. Date(s): 09/25/89 09/25/89

Matrix:(soil/water) WATER Level:(low/med) LOW Column:(pack/cap) PACK

Min RRF50 for SPCC(#) = 0.300 (0.250 for Bromoform) Max %D for CCC(*) = 25.0%

COMPOUND		RRF	RRF50	%D	
Chloromethane	#	4.189	5.169	-23.4	#
Bromomethane		2.413	2.907	-20.5	
Vinyl Chloride	*	3.366	3.893	-15.7	*
Chloroethane		1.657	1.826	-10.2	
Methylene Chloride		3.888	4.444	-14.3	
Acetone		1.385	1.502	-8.4	
Carbon Disulfide		5.132	5.769	-12.4	
1,1-Dichloroethene	*	1.482	1.776	-19.8	*
1,1-Dichloroethane	#	3.717	4.526	-21.8	#
1,2-Dichloroethene (total)		1.631	1.914	-17.4	
Chloroform	*	3.377	4.134	-22.4	*
1,2-Dichloroethane		2.591	3.308	-27.7	
2-Butanone		0.041	0.036	12.2	
1,1,1-Trichloroethane		0.514	0.579	-12.6	
Carbon Tetrachloride		0.441	0.499	-13.2	
Vinyl Acetate		0.962	1.026	-6.7	
Bromodichloromethane		0.695	0.774	-11.4	
1,2-Dichloropropane	*	0.609	0.676	-11.0	*
cis-1,3-Dichloropropene		0.827	0.874	-5.7	
Trichloroethene		0.394	0.433	-9.9	
Dibromochloromethane		0.504	0.535	-6.2	
1,1,2-Trichloroethane		0.381	0.429	-12.6	
Benzene		1.437	1.547	-7.7	
Trans-1,3-Dichloropropene		0.403	0.418	-3.7	
Bromoform	#	0.314	0.320	-1.9	#
4-Methyl-2-Pentanone		0.610	0.627	-2.8	
2-Hexanone		0.467	0.374	19.9	
Tetrachloroethene		0.370	0.363	1.9	
1,1,2,2-Tetrachloroethane	#	0.704	0.689	2.1	#
Toluene	*	0.899	0.861	4.2	*
Chlorobenzene	#	1.049	1.030	1.8	#
Ethylbenzene	*	0.504	0.492	2.4	*
Styrene		1.091	1.052	3.6	
Xylene (total)		0.572	0.575	-0.5	
Toluene-d8		1.257	1.176	6.4	
Bromofluorobenzene		0.763	0.739	3.1	
1,2-Dichloroethane-d4		2.096	2.672	-27.5	
DICHLORODIFLUROMETHANE		2.517	3.987	12.0	

VBIKW2
METHOD SPIKE
4901C3
4901C4
4901C5
4901C7
4901C8
4901C23
4901C27
4901C9
4901C21
4901C12

Resubmission
1/15/90 cm

7A

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: GULF Contract:

Lab Code: GULF Case No.: SAS No.: 4901C SDG No.:

Instrument ID: A Calibration date: 09/28/89 Time: 1027

Lab File ID: AVS09288?A Init. Calib. Date(s): 09/25/89 09/25/89

Matrix:(soil/water) WATER Level:(low/med) LOW Column:(pack/cap) PACK

Min RRF% for SPCC(#) = 0.300 (0.250 for Bromoform) Max %D for CCC(*) = 25.0%

COMPOUND		RRF	RRF50	%D	
Chloromethane	#	4.199	5.340	-27.5	#
Bromomethane		2.413	3.099	-28.4	
Vinyl Chloride	*	3.366	3.910	-16.2	*
Chloroethane		1.657	2.043	-23.3	
Methylene Chloride		3.880	4.152	-7.0	
Acetone		1.386	0.998	27.9	
Carbon Disulfide		5.102	4.856	5.4	
1,1-Dichloroethene	*	1.462	1.418	4.3	*
1,1-Dichloroethane	#	3.717	3.676	1.1	#
1,2-Dichloroethene (total)		1.631	1.593	2.3	
Chloroform	*	3.377	3.476	-2.9	*
1,2-Dichloroethane		2.591	2.790	-7.7	
2-Butanone		0.041	0.025	64.7	
1,1,1-Trichloroethane		0.514	0.542	-5.4	
Carbon Tetrachloride		0.441	0.472	-7.0	
Vinyl Acetate		0.962	0.794	17.5	
Bromodichloromethane		0.695	0.712	-2.4	
1,2-Dichloropropane	*	0.609	0.578	5.1	*
cis-1,3-Dichloropropene		0.827	0.746	9.8	
Trichloroethene		0.394	0.394	0.0	
Dibromochloromethane		0.504	0.499	1.0	
1,1,2-Trichloroethane		0.381	0.376	1.3	
Benzene		1.437	1.354	5.8	
Trans-1,3-Dichloropropene		0.403	0.364	9.7	
Bromoform	#	0.314	0.301	4.1	#
4-Methyl-2-Pentanone		0.610	0.535	12.3	
2-Hexanone		0.467	0.326	30.2	
Tetrachloroethene		0.370	0.358	3.2	
1,1,2,2-Tetrachloroethane	#	0.704	0.644	8.5	#
Toluene	*	0.899	0.859	4.4	*
Chlorobenzene	#	1.049	1.024	2.4	#
Ethylbenzene	*	0.504	0.490	2.8	*
Styrene		1.091	1.083	0.7	
Xylene (total)		0.572	0.589	-3.0	
Toluene-d8		1.257	1.174	6.6	
Bromofluorobenzene		0.763	0.718	5.9	
1,2-Dichloroethane-d4		2.096	2.348	-12.0	
DICHLORO DIFLUOROMETHANE		2.597	3.035	16.8	

VBIKW3
METHOD SPIKE
4901C13
VBIKW1
METHOD SPIKE
4901C10
4901C14
4901C19
4901C19MS
4901C19MSD
4901C18
4901C20
4901C24

7A

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: G S E L I Contract: _____

Lab Code: CULF Case No.: _____ SAS No.: 4901C SDG No.: _____

Instrument ID: A Calibration date: 09/29/89 Time: 944

Lab File ID: AVS0929894 Init. Calib. Date(s): 09/25/89 09/25/89

Matrix:(soil/water) WATER Level:(low/med) LOW Column:(pack/cap) PACK

Min RRF50 for SPCC(#) = 0.300 (0.250 for Bromoform) Max %D for CCC(*) = 25.0%

COMPOUND		RRF	RRF50	%D	
Chloromethane	#	4.189	5.023	-19.9	#
Bromomethane		2.413	3.202	-32.7	
Vinyl Chloride	*	3.366	3.980	-18.2	*
Chloroethane		1.657	2.091	-26.2	
Methylene Chloride		3.888	2.908	33.7	
Acetone		1.385	0.734	47.0	
Carbon Disulfide		5.122	4.740	7.5	
1,1-Dichloroethene	*	1.482	1.448	2.3	*
1,1-Dichloroethane	*	3.717	3.648	1.9	*
1,2-Dichloroethene (total)		1.627	1.558	4.5	
Chloroform	*	3.577	3.433	-1.7	*
1,2-Dichloroethane		2.591	2.789	-7.6	
2-Butanone		0.041	0.051	-15.8	
1,1,1-Trichloroethane		0.514	0.544	-5.8	
Carbon Tetrachloride		0.441	0.484	-9.8	
Vinyl Acetate		0.962	0.772	19.8	
Bromodichloromethane		0.695	0.720	-3.6	
1,2-Dichloropropane	*	0.609	0.591	3.0	*
cis-1,3-Dichloropropene		0.827	0.744	10.0	
Trichloroethene		0.394	0.391	0.8	
Dibromochloromethane		0.504	0.503	0.2	
1,1,2-Trichloroethane		0.381	0.383	-0.5	
Benzene		1.437	1.376	4.2	
Trans-1,3-Dichloropropene		0.403	0.372	7.7	
Bromoform	#	0.314	0.306	2.5	#
4-Methyl-2-Pentanone		0.610	0.574	5.9	
2-Hexanone		0.467	0.347	25.7	
Tetrachloroethene		0.370	0.348	5.9	
1,1,2,2-Tetrachloroethane	#	0.704	0.644	8.5	#
Toluene	*	0.899	0.853	5.1	*
Chlorobenzene	#	1.049	1.011	3.6	#
Ethylbenzene	*	0.504	0.475	5.8	*
Styrene		1.091	1.035	5.1	
Xylene (total)		0.572	0.574	-0.3	
Toluene-d8		1.257	1.157	8.0	
Bromofluorobenzene		0.763	0.711	6.8	
1,2-Dichloroethane-d4		2.096	2.359	-12.6	
DICHLORODIFLUOROMETHANE		2.597	3.103	19.4	

VBICW2
METHOD SPIKE2
4901C 25
4901C 28
4901C 31
4901C 34
4901C 44
4901C 37
4901C 43
4901C 45
4901C 51
4901C 29
4901C 38

Resubmission
1/15/90 cam

7A

VOLATILE CONTINUING CALIBRATION CHECK

Name: G S E L I Contract: _____

Lab Code: GULF Case No.: _____ SAS No.: 4901C SDG No.: _____

Instrument ID: a Calibration date: 10/02/89 Time: 1154

Lab File ID: AV8100202A Init. Calib. Date(s): 09/25/89 09/25/89

Matrix:(soil/water) WATER Level:(low/med) LOW Column:(pack/cap) PACK

Min RRF50 for SPCC(#) = 0.300 (0.250 for Bromoform) Max %D for CCC(*) = 25.0%

COMPOUND	RRF	RRF50	%D	
Chloromethane	4.189	4.828	-15.2	#
Bromomethane	2.413	2.670	-10.6	
Vinyl Chloride	3.366	3.685	-9.5	*
Chloroethane	1.657	1.850	-11.6	
Methylene Chloride	3.888	3.423	12.0	
Acetone	1.383	0.731	47.2	
Carbon Disulfide	5.132	4.563	11.1	
1,1-Dichloroethene	1.482	1.417	4.4	*
1,1-Dichloroethane	3.717	3.590	3.4	#
1,2-Dichloroethene (total)	1.631	1.523	6.6	
Chloroform	3.377	3.381	-0.1	*
1,2-Dichloroethane	2.891	2.765	4.4	
2-Butanone	0.04	0.03	31.7	
1,1,1-Trichloroethane	0.514	0.498	3.1	
Carbon Tetrachloride	0.441	0.438	0.7	
Vinyl Acetate	0.962	0.714	25.8	
Bromodichloromethane	0.695	0.680	2.2	
1,2-Dichloropropane	0.609	0.576	5.4	*
cis-1,3-Dichloropropene	0.827	0.760	8.1	
Trichloroethene	0.394	0.388	1.5	
Dibromochloromethane	0.504	0.477	5.4	
1,1,2-Trichloroethane	0.381	0.376	1.3	
Benzene	1.437	1.395	2.9	
Trans-1,3-Dichloropropene	0.403	0.366	9.2	
Bromoform	0.314	0.291	7.3	#
4-Methyl-2-Pentanone	0.610	0.607	0.5	
2-Hexanone	0.467	0.361	22.7	
Tetrachloroethene	0.370	0.366	1.1	
1,1,2,2-Tetrachloroethane	0.704	0.663	5.8	#
Toluene	0.899	0.868	3.4	*
Chlorobenzene	1.049	1.036	1.2	#
Ethylbenzene	0.504	0.485	3.8	*
Styrene	1.091	1.023	6.2	
Xylene (total)	0.572	0.561	1.9	
Toluene-d8	1.257	1.245	1.0	
Bromofluorobenzene	0.763	0.705	7.6	
1,2-Dichloroethane-d4	2.096	2.290	-9.3	
DICHLORODIFLUOROMETHANE	2.597	3.126	20.3	

VBLKW1
METHOD SPIKE1
4901C42
4901C42MS
4901C42MSD
4901C30
4901C41
4901C46
4901C48
VBLKW3
METHOD SPIKE3
4901C32
4901C33
4901C36

7A
VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: G S E L I Contract: _____

Lab Code: GULF Case No.: _____ SAS No.: 4901C SDG No.: _____

Instrument ID: A Calibration date: 10/03/89 Time: 1113

Lab File ID: AVS100I89A Init. Calib. Date(s): 09/25/89 09/25/89

Matrix:(soil/water) WATER Level:(low/med) LOW Column:(pack/cap) PACK

Min RRF50 for SPCC(#) = 0.300 (0.250 for Bromoform) Max %D for CCC(*) = 25.0%

COMPOUND		RRF	RRF50	%D	
Chloromethane	#	4.189	4.777	-14.0	#
Bromomethane		2.413	2.553	-5.8	
Vinyl Chloride	*	3.366	3.431	-1.9	*
Chloroethane		1.657	1.713	-3.4	
Methylene Chloride		3.888	2.722	30.0	
Acetone		1.385	0.676	51.2	
Carbon Disulfide		5.132	4.592	10.5	
1,1-Dichloroethene	*	1.482	1.437	3.0	*
1,1-Dichloroethane	#	3.717	3.564	4.1	#
1,2-Dichloroethene (total)		1.631	1.542	5.5	
Chloroform	*	3.377	3.299	2.3	*
1,2-Dichloroethane		2.591	2.558	1.3	
2-Butanone		0.041	0.032	22.0	
1,1,1-Trichloroethane		0.514	0.507	1.4	
Carbon Tetrachloride		0.441	0.439	0.5	
Vinyl Acetate		0.962	0.659	31.5	
Bromodichloromethane		0.695	0.676	2.7	
1,2-Dichloropropane	*	0.609	0.588	3.4	*
cis-1,3-Dichloropropene		0.827	0.765	7.5	
Trichloroethene		0.394	0.389	1.3	
Dibromochloromethane		0.504	0.482	4.4	
1,1,2-Trichloroethane		0.381	0.383	-0.5	
Benzene		1.437	1.396	2.9	
Trans-1,3-Dichloropropene		0.403	0.367	8.9	
Bromoform	#	0.314	0.298	5.1	#
4-Methyl-2-Pentanone		0.610	0.588	3.6	
2-Hexanone		0.467	0.260	44.3	
Tetrachloroethene		0.370	0.312	15.7	
1,1,2,2-Tetrachloroethane	#	0.704	0.535	24.0	#
Toluene	*	0.899	0.846	5.9	*
Chlorobenzene	#	1.049	1.031	1.7	#
Ethylbenzene	*	0.504	0.497	1.4	*
Styrene		1.091	1.057	3.1	
Xylene (total)		0.572	0.573	-0.2	
Toluene-d8		1.257	1.148	8.7	
Bromofluorobenzene		0.763	0.740	3.0	
1,2-Dichloroethane-d4		2.096	2.097	0.0	
DICHLORODIFLUROMETHANE		2.597	2.809	8.1	

VBIKW2
METHOD SPIKE 2
4901C52
4901C40
4901C49
4901C50
4901C53

AR306479

000211

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: G S E L I Contract: _____

Lab Code: GULF Case No.: _____ SAS No.: 4901C SDG No.: _____

Instrument ID: A Calibration date: 10/04/89 Time: 950

Lab File ID: AVS100489A Init. Calib. Date(s): 09/25/89 09/25/89

Matrix:(soil/water) WATER Level:(low/med) LOW Column:(pack/cap) PACK

Min RRF50 for SPCC(#) = 0.300 (0.250 for Bromoform) Max %D for CCC(*) = 25.0%

	COMPOUND	RRF	RRF50	%D	
	Chloromethane	4.189	4.286	-2.3	#
	Bromomethane	2.413	3.000	-24.3	
	Vinyl Chloride	3.366	3.637	-8.1	*
	Chloroethane	1.657	2.156	-30.1	
	Methylene Chloride	3.888	3.692	5.0	
	Acetone	1.385	1.358	1.9	
	Carbon Disulfide	5.132	5.176	-0.9	
	1,1-Dichloroethene	1.482	1.500	-1.2	*
	1,1-Dichloroethane	3.717	3.721	-0.1	#
	1,2-Dichloroethene (total)	1.631	1.603	1.7	
	Chloroform	3.377	3.461	-2.5	*
	1,2-Dichloroethane	2.591	2.699	-4.2	
	2-Butanone	0.041	0.033	22.0	
	1,1,1-Trichloroethane	0.514	0.517	-0.6	
	Carbon Tetrachloride	0.441	0.457	-3.6	
	Vinyl Acetate	0.962	0.608	36.8	
	Bromodichloromethane	0.695	0.694	0.1	
	1,2-Dichloropropane	0.609	0.595	2.3	*
	cis-1,3-Dichloropropene	0.827	0.747	9.7	
	Trichloroethene	0.394	0.403	-2.3	
	Dibromochloromethane	0.504	0.493	2.2	
	1,1,2-Trichloroethane	0.381	0.384	-0.8	
	Benzene	1.437	1.412	1.7	
	Trans-1,3-Dichloropropene	0.403	0.361	10.4	
	Bromoform	0.314	0.306	2.5	#
	4-Methyl-2-Pentanone	0.610	0.667	-9.3	
	2-Hexanone	0.467	0.396	15.2	
	Tetrachloroethene	0.370	0.422	-14.0	
	1,1,2,2-Tetrachloroethane	0.704	0.777	-10.4	#
	Toluene	0.899	1.038	-15.5	*
	Chlorobenzene	1.049	1.054	-0.5	#
	Ethylbenzene	0.504	0.552	-9.5	*
	Styrene	1.091	1.226	-12.4	
	Xylene (total)	0.572	0.691	-20.8	
	Toluene-d8	1.257	1.395	-11.0	
	Bromofluorobenzene	0.763	0.843	-10.5	
	1,2-Dichloroethane-d4	2.096	2.215	-5.7	
	DICHLORODIFLUROMETHANE	2.597	3.118	20.0	

VBIKW3
METHOD SPIKE 3
4901C47

Lead submission
1/15/90 AM

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
VBLKW1

Lab Name: G S E L I Contract: _____

Lab Code: GULF Case No.: _____ SAS No.: 4901C SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: VBLKW1

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: AVB092689A

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 09/26/89

Column: (pack/cap) PACK Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	3	J
67-64-1	Acetone	13	
75-15-0	Carbon Disulfide	5	U
75-35-4	1,1-Dichloroethene	5	U
75-34-3	1,1-Dichloroethane	5	U
540-59-0	1,2-Dichloroethene (total)	5	U
67-66-3	Chloroform	5	U
107-06-2	1,2-Dichloroethane	5	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	5	U
56-23-5	Carbon Tetrachloride	5	U
108-05-4	Vinyl Acetate	10	U
75-27-4	Bromodichloromethane	5	U
78-87-5	1,2-Dichloropropane	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
79-01-6	Trichloroethene	5	U
124-48-1	Dibromochloromethane	5	U
79-00-5	1,1,2-Trichloroethane	5	U
71-43-2	Benzene	5	U
10061-02-6	Trans-1,3-Dichloropropene	5	U
75-25-2	Bromoform	5	U
108-10-1	4-Methyl-2-Pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	5	U
79-34-5	1,1,2,2-Tetrachloroethane	5	U
108-88-3	Toluene	5	U
108-90-7	Chlorobenzene	5	U
100-41-4	Ethylbenzene	5	U
100-42-5	Styrene	5	U
1330-20-7	Xylene (total)	5	U
75-71-8	DICHLORODIFLUROMETHANE	5	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

VBLKW1

Lab Name: G S E L I Contract: _____

Lab Code: GULF Case No.: _____ SAS No.: 4901C SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: VBLKW1

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: AVB092689A

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 09/26/89

Column (pack/cap) PACK Dilution Factor: 1.0

Number TICs found: 0 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

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1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLKW1

Lab Name: G S E L I Contract: _____

Lab Code: GULF Case No.: _____ SAS No.: 4901C SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: VBLKW1

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: AVB100289A

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 10/02/89

lumn: (pack/cap) PACK Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	6	
67-64-1	Acetone	9	J
75-15-0	Carbon Disulfide	5	U
75-35-4	1,1-Dichloroethene	5	U
75-34-3	1,1-Dichloroethane	5	U
540-59-0	1,2-Dichloroethene (total)	5	U
67-66-3	Chloroform	5	U
107-06-2	1,2-Dichloroethane	5	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	5	U
56-23-5	Carbon Tetrachloride	5	U
108-05-4	Vinyl Acetate	10	U
75-27-4	Bromodichloromethane	5	U
78-87-5	1,2-Dichloropropane	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
79-01-6	Trichloroethene	5	U
124-48-1	Dibromochloromethane	5	U
79-00-5	1,1,2-Trichloroethane	5	U
71-43-2	Benzene	5	U
10061-02-6	Trans-1,3-Dichloropropene	5	U
75-25-2	Bromoform	5	U
108-10-1	4-Methyl-2-Pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	5	U
79-34-5	1,1,2,2-Tetrachloroethane	5	U
108-88-3	Toluene	5	U
108-90-7	Chlorobenzene	5	U
100-41-4	Ethylbenzene	5	U
100-42-5	Styrene	5	U
1330-20-7	Xylene (total)	5	U
75-71-8	DICHLORODIFLUOROMETHANE	5	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

VBLKW1

Lab Name: G S E L I Contract: _____

Lab Code: GULF Case No.: _____ SAS No.: 4901C SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: VBLKW1

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: AVB100289A

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 10/02/89

Column (pack/cap) PACK Dilution Factor: 1.0

Number TICs found: 0 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

Resubmission 1/15/90 cdm

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLKW2

Lab Name: G S E L I   Contract: ______

Lab Code: GULF   Case No.: ______   SAS No.: 4901C   SDG No.: ______

Matrix: (soil/water) WATER   Lab Sample ID: VBLKW2

Sample wt/vol: 5.0 (g/mL) ML   Lab File ID: AVB092789A

Level: (low/med) LOW   Date Received: ______

% Moisture: not dec. ______   Date Analyzed: 09/27/89

Column: (pack/cap) PACK   Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	6	
67-64-1	Acetone	17	
75-15-0	Carbon Disulfide	5	U
75-35-4	1,1-Dichloroethene	5	U
75-34-3	1,1-Dichloroethane	5	U
540-59-0	1,2-Dichloroethene (total)	5	U
67-66-3	Chloroform	5	U
107-06-2	1,2-Dichloroethane	5	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	5	U
56-23-5	Carbon Tetrachloride	5	U
108-05-4	Vinyl Acetate	10	U
75-27-4	Bromodichloromethane	5	U
78-87-5	1,2-Dichloropropane	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
79-01-6	Trichloroethene	5	U
124-48-1	Dibromochloromethane	5	U
79-00-5	1,1,2-Trichloroethane	5	U
71-43-2	Benzene	5	U
10061-02-6	Trans-1,3-Dichloropropene	5	U
75-25-2	Bromoform	5	U
108-10-1	4-Methyl-2-Pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	5	U
79-34-5	1,1,2,2-Tetrachloroethane	5	U
108-88-3	Toluene	5	U
108-90-7	Chlorobenzene	5	U
100-41-4	Ethylbenzene	5	U
100-42-5	Styrene	5	U
1330-20-7	Xylene (total)	5	U
75-71-8	DICHLORODIFLUORO METHANE	5	U

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1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

VBLKW2

Lab Name: G S E L I Contract: _____

Lab Code: GULF Case No.: _____ SAS No.: 4901C SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: VBLKW2

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: AVB092789A

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 09/27/89

Column (pack/cap) PACK Dilution Factor: 1.0

Number TICs found: 1 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	2.30	13	J

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLKW2

Lab Name: G S E L I Contract:

Lab Code: GULF Case No.: SAS No.: 4901C SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: VBLKW2

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: AVB092989A

Level: (low/med) LOW Date Received:

% Moisture: not dec. Date Analyzed: 09/29/89

Column: (pack/cap) PACK Dilution Factor: 1.0

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	6	
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	5	U
75-35-4	1,1-Dichloroethene	5	U
75-34-3	1,1-Dichloroethane	5	U
540-59-0	1,2-Dichloroethene (total)	5	U
67-66-3	Chloroform	5	U
107-06-2	1,2-Dichloroethane	5	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	5	U
56-23-5	Carbon Tetrachloride	5	U
108-05-4	Vinyl Acetate	10	U
75-27-4	Bromodichloromethane	5	U
78-87-5	1,2-Dichloropropane	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
79-01-6	Trichloroethene	5	U
124-48-1	Dibromochloromethane	5	U
79-00-5	1,1,2-Trichloroethane	5	U
71-43-2	Benzene	5	U
10061-02-6	Trans-1,3-Dichloropropene	5	U
75-25-2	Bromoform	5	U
108-10-1	4-Methyl-2-Pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	5	U
79-34-5	1,1,2,2-Tetrachloroethane	5	U
108-88-3	Toluene	5	U
108-90-7	Chlorobenzene	5	U
100-41-4	Ethylbenzene	5	U
100-42-5	Styrene	5	U
1330-20-7	Xylene (total)	5	U
75-71-8	DICHLORODIFLUOROMETHANE	5	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

VBLKW2

Lab Name: G S E L I Contract: _____

Lab Code: GULF Case No.: _____ SAS No.: 4901C SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: VBLKW2

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: AVB092989A

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 09/29/89

Column (pack/cap) PACK Dilution Factor: 1.0

Number TICs found: 0 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLKW2

Lab Name: G S E L I Contract: _____

Lab Code: GULF Case No.: _____ SAS No.: 4901C SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: VBLKW2

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: AVB100389A

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 10/03/89

lumn: (pack/cap) PACK Dilution Factor: 1.0

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	7	
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	5	U
75-35-4	1,1-Dichloroethene	5	U
75-34-3	1,1-Dichloroethane	5	U
540-59-0	1,2-Dichloroethene (total)	5	U
67-66-3	Chloroform	5	U
107-06-2	1,2-Dichloroethane	5	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	5	U
56-23-5	Carbon Tetrachloride	5	U
108-05-4	Vinyl Acetate	10	U
75-27-4	Bromodichloromethane	5	U
78-87-5	1,2-Dichloropropane	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
79-01-6	Trichloroethene	5	U
124-48-1	Dibromochloromethane	5	U
79-00-5	1,1,2-Trichloroethane	5	U
71-43-2	Benzene	5	U
10061-02-6	Trans-1,3-Dichloropropene	5	U
75-25-2	Bromoform	5	U
108-10-1	4-Methyl-2-Pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	5	U
79-34-5	1,1,2,2-Tetrachloroethane	5	U
108-88-3	Toluene	5	U
108-90-7	Chlorobenzene	5	U
100-41-4	Ethylbenzene	5	U
100-42-5	Styrene	5	U
1330-20-7	Xylene (total)	5	U
75-71-8	DICHLORODIFLUOROMETHANE	5	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

VBLKW2

Lab Name: G S E L I Contract: _____

Lab Code: GULF Case No.: _____ SAS No.: Form 40 4901C SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: VBLKW2

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: AVB100389A

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 10/03/89

Column (pack/cap) PACK Dilution Factor: 1.0

Number TICs found: 0 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

Resubmission
1/15/90 cdm

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
VBLKW3

Lab Name: G S E L I Contract:

Lab Code: GULF Case No.: SAS No.: 4901C SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: VBLKW3

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: AVB0928B9A

Level: (low/med) LOW Date Received:

% Moisture: not dec. Date Analyzed: 09/28/89

Column: (pack/cap) PACK Dilution Factor: 1.0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND		Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	4	J
67-64-1	Acetone	23	
75-15-0	Carbon Disulfide	5	U
75-35-4	1,1-Dichloroethene	5	U
75-34-3	1,1-Dichloroethane	5	U
540-59-0	1,2-Dichloroethene (total)	5	U
67-66-3	Chloroform	5	U
107-06-2	1,2-Dichloroethane	5	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	5	U
56-23-5	Carbon Tetrachloride	5	U
108-05-4	Vinyl Acetate	10	U
75-27-4	Bromodichloromethane	5	U
78-87-5	1,2-Dichloropropane	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
79-01-6	Trichloroethene	5	U
124-48-1	Dibromochloromethane	5	U
79-00-5	1,1,2-Trichloroethane	5	U
71-43-2	Benzene	5	U
10061-02-6	Trans-1,3-Dichloropropene	5	U
75-25-2	Bromoform	5	U
108-10-1	4-Methyl-2-Pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	5	U
79-34-5	1,1,2,2-Tetrachloroethane	5	U
108-88-3	Toluene	5	U
108-90-7	Chlorobenzene	5	U
100-41-4	Ethylbenzene	5	U
100-42-5	Styrene	5	U
1330-20-7	Xylene (total)	5	U
75-71-8	DICHLORODIFLUOROMETHANE	5	U

AR306491

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

VBLKW3

Lab Name: G S E L I Contract: _____

Lab Code: GULF Case No.: _____ SAS No.: 4901C SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: VBLKW3

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: AVB092889A

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 09/28/89

Column (pack/cap) PACK Dilution Factor: 1.0

Number TICs found: 0 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLKW3

Lab Name: G S E L I Contract:

Lab Code: GULF Case No.: SAS No.: 4901C SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: VBLKW3

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: AVB100239A

Level: (low/med) LOW Date Received:

% Moisture: not dec. Date Analyzed: 10/02/89

Column: (pack/cap) PACK Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	6	
67-64-1	Acetone	9	J
75-15-0	Carbon Disulfide	5	U
75-35-4	1,1-Dichloroethene	5	U
75-34-3	1,1-Dichloroethane	5	U
540-59-0	1,2-Dichloroethene (total)	5	U
67-66-3	Chloroform	5	U
107-06-2	1,2-Dichloroethane	5	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	5	U
56-23-5	Carbon Tetrachloride	5	U
108-05-4	Vinyl Acetate	10	U
75-27-4	Bromodichloromethane	5	U
78-87-5	1,2-Dichloropropane	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
79-01-6	Trichloroethene	5	U
124-48-1	Dibromochloromethane	5	U
79-00-5	1,1,2-Trichloroethane	5	U
71-43-2	Benzene	5	U
10061-02-6	Trans-1,3-Dichloropropene	5	U
75-25-2	Bromoform	5	U
108-10-1	4-Methyl-2-Pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	5	U
79-34-5	1,1,2,2-Tetrachloroethane	5	U
108-88-3	Toluene	5	U
108-90-7	Chlorobenzene	5	U
100-41-4	Ethylbenzene	5	U
100-42-5	Styrene	5	U
1330-20-7	Xylene (total)	5	U
75-71-8	DICHLORODIFLUOROMETHANE	5	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

VBLKW3

Lab Name: G S E L I Contract: _____

Lab Code: GULF Case No.: _____ SAS No.: 4901C SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: VBLKW3

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: AVB10023?A

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 10/02/89

Column (pack/cap) PACK Dilution Factor: 1.0

Number TICs found: 0 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLKW3

Lab Name: G S E L I Contract: _____

Lab Code: GULF Case No.: _____ SAS No.: 4901C SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: VBLKW3

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: AVB100489A

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. ____ Date Analyzed: 10/04/89

Column: (pack/cap) PACK Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	4	J
67-64-1	Acetone	5	J
75-15-0	Carbon Disulfide	5	U
75-35-4	1,1-Dichloroethene	5	U
75-34-3	1,1-Dichloroethane	5	U
540-59-0	1,2-Dichloroethene (total)	5	U
67-66-3	Chloroform	5	U
107-06-2	1,2-Dichloroethane	5	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	5	U
56-23-5	Carbon Tetrachloride	5	U
108-05-4	Vinyl Acetate	10	U
75-27-4	Bromodichloromethane	5	U
78-87-5	1,2-Dichloropropane	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
79-01-6	Trichloroethene	5	U
124-48-1	Dibromochloromethane	5	U
79-00-5	1,1,2-Trichloroethane	5	U
71-43-2	Benzene	5	U
10061-02-6	Trans-1,3-Dichloropropene	5	U
75-25-2	Bromoform	5	U
108-10-1	4-Methyl-2-Pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	5	U
79-34-5	1,1,2,2-Tetrachloroethane	5	U
108-88-3	Toluene	5	U
108-90-7	Chlorobenzene	5	U
100-41-4	Ethylbenzene	5	U
100-42-5	Styrene	5	U
1330-20-7	Xylene (total)	5	U
75-71-8	DICHLORODIFLUOROMETHANE	5	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

VBLKW3

Lab Name: G S E L I Contract: _____

Lab Code: GULF Case No.: _____ SAS No.: 4901C SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: VBLKW3

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: AVB100489A

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 10/04/89

Column (pack/cap) PACK Dilution Factor: 1.0

Number TICs found: 0 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

METHODSPIKE/

Lab Name: G S E L I Contract: _____

Lab Code: GULF Case No.: _____ SAS No.: 4901C SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: 042-80-DCDFM

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: AVE092689B

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 09/26/89

Column: (pack/cap) PACK Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	5	
67-64-1	Acetone	12	
75-15-0	Carbon Disulfide	5	U
75-35-4	1,1-Dichloroethene	5	U
75-34-3	1,1-Dichloroethane	5	U
540-59-0	1,2-Dichloroethene (total)	5	U
67-66-3	Chloroform	5	U
107-06-2	1,2-Dichloroethane	5	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	5	U
56-23-5	Carbon Tetrachloride	5	U
108-05-4	Vinyl Acetate	10	U
75-27-4	Bromodichloromethane	5	U
78-87-5	1,2-Dichloropropane	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
79-01-6	Trichloroethene	5	U
124-48-1	Dibromochloromethane	5	U
79-00-5	1,1,2-Trichloroethane	5	U
71-43-2	Benzene	5	U
10061-02-6	Trans-1,3-Dichloropropene	5	U
75-25-2	Bromoform	5	U
108-10-1	4-Methyl-2-Pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	5	U
79-34-5	1,1,2,2-Tetrachloroethane	5	U
108-88-3	Toluene	5	U
108-90-7	Chlorobenzene	5	U
100-41-4	Ethylbenzene	5	U
100-42-5	Styrene	5	U
1330-20-7	Xylene (total)	5	U
75-71-8	DICHLORODIFLUROMETHANE	6	

AR306497

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

METHODSPIKE

Lab Name: G S E L I Contract: _____

Lab Code: GULF Case No.: _____ SAS No.: 4901C SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: 042-80-DCDFM

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: AVB092689B

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. ____ Date Analyzed: 09/26/89

Column (pack/cap) PACK Dilution Factor: 1.0

Number TICs found: 1 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
	UNKNOWN	2.20	11	J

AR306498

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

METHODSPIKE 1

Lab Name: G S E L I Contract:

Lab Code: GULF Case No.: SAS No.: 4901C SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 042-80-DCDFMS

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: AV80928898

Level: (low/med) LOW Date Received:

% Moisture: not dec. Date Analyzed: 09/28/89

Column: (pack/cap) PACK Dilution Factor: 1.0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND		Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	5	U
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	5	U
75-35-4	1,1-Dichloroethene	5	U
75-34-3	1,1-Dichloroethane	5	U
540-59-0	1,2-Dichloroethene (total)	5	U
67-66-3	Chloroform	5	U
107-06-2	1,2-Dichloroethane	5	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	5	U
56-23-5	Carbon Tetrachloride	5	U
108-05-4	Vinyl Acetate	10	U
75-27-4	Bromodichloromethane	5	U
78-87-5	1,2-Dichloropropane	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
79-01-6	Trichloroethene	5	U
124-48-1	Dibromochloromethane	5	U
79-00-5	1,1,2-Trichloroethane	5	U
71-43-2	Benzene	5	U
10061-02-6	Trans-1,3-Dichloropropene	5	U
75-25-2	Bromoform	5	U
108-10-1	4-Methyl-2-Pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	5	U
79-34-5	1,1,2,2-Tetrachloroethane	5	U
108-88-3	Toluene	5	U
108-90-7	Chlorobenzene	5	U
100-41-4	Ethylbenzene	5	U
100-42-5	Styrene	5	U
1330-20-7	Xylene (total)	5	U
75-71-8	DICHLORODIFLUOROMETHANE	7	

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

METHODSPIKE/

Lab Name: G S E L I Contract: _____

Lab Code: GULF Case No.: _____ SAS No.: 4901C SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: 042-80-DCDFM5

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: AVB100289B

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 10/02/89

Column: (pack/cap) PACK Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	3	BJ
67-64-1	Acetone	3	BJ
75-15-0	Carbon Disulfide	5	U
75-35-4	1,1-Dichloroethene	5	U
75-34-3	1,1-Dichloroethane	5	U
540-59-0	1,2-Dichloroethene (total)	5	U
67-66-3	Chloroform	5	U
107-06-2	1,2-Dichloroethane	5	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	5	U
56-23-5	Carbon Tetrachloride	5	U
108-05-4	Vinyl Acetate	10	U
75-27-4	Bromodichloromethane	5	U
78-87-5	1,2-Dichloropropane	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
79-01-6	Trichloroethene	5	U
124-48-1	Dibromochloromethane	5	U
79-00-5	1,1,2-Trichloroethane	5	U
71-43-2	Benzene	5	U
10061-02-6	Trans-1,3-Dichloropropene	5	U
75-25-2	Bromoform	5	U
108-10-1	4-Methyl-2-Pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	5	U
79-34-5	1,1,2,2-Tetrachloroethane	5	U
108-88-3	Toluene	5	U
108-90-7	Chlorobenzene	5	U
100-41-4	Ethylbenzene	5	U
100-42-5	Styrene	5	U
1330-20-7	Xylene (total)	5	U
75-71-8	DICHLORODIFLUOROMETHANE	5	

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

METHODSPIKE/

Lab Name: G S E L I Contract: _____

Lab Code: GULF Case No.: _____ SAS No.: 4901C SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: 042-80-DCDFMS

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: AVB100289B

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 10/02/89

Column (pack/cap) PACK Dilution Factor: 1.0

Number TICs found: 0 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
METHODSPIKE2

Lab Name: G S E L I Contract: _____

Lab Code: GULF Case No.: _____ SAS No.: 4901C SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: 042-80-DCDFM5

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: AVB0927898

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 09/27/89

Column: (pack/cap) PACK Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	4	J
67-64-1	Acetone	15	
75-15-0	Carbon Disulfide	5	U
75-35-4	1,1-Dichloroethene	5	U
75-34-3	1,1-Dichloroethane	5	U
540-59-0	1,2-Dichloroethene (total)	5	U
67-66-3	Chloroform	5	U
107-06-2	1,2-Dichloroethane	5	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	5	U
56-23-5	Carbon Tetrachloride	5	U
108-05-4	Vinyl Acetate	10	U
75-27-4	Bromodichloromethane	5	U
78-87-5	1,2-Dichloropropane	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
79-01-6	Trichloroethene	5	U
124-48-1	Dibromochloromethane	5	U
79-00-5	1,1,2-Trichloroethane	5	U
71-43-2	Benzene	5	U
10061-02-6	Trans-1,3-Dichloropropene	5	U
75-25-2	Bromoform	5	U
108-10-1	4-Methyl-2-Pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	5	U
79-34-5	1,1,2,2-Tetrachloroethane	5	U
108-88-3	Toluene	5	U
108-90-7	Chlorobenzene	5	U
100-41-4	Ethylbenzene	5	U
100-42-5	Styrene	5	U
1330-20-7	Xylene (total)	5	U
75-71-8	DICHLORODIFLUOROMETHANE	7	

AR306502

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

METHODSPIKE2

Lab Name: G S E L I Contract: _____

Lab Code: GULF Case No.: _____ SAS No.: 4901C SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: 042-80-DCDFM5

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: AVR092789B

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 09/27/89

Column (pack/cap) PACK Dilution Factor: 1.0

Number TICs found: 0 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

METHODSPIKE2

Lab Name: G S E L I Contract: _____

Lab Code: GULF Case No.: _____ SAS No.: 4201C SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: 042-SQ-VOCDFM

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: AV8092989B

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 09/29/89

Column: (pack/cap) PACK Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	5	B
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	5	U
75-35-4	1,1-Dichloroethene	5	U
75-34-3	1,1-Dichloroethane	5	U
540-59-0	1,2-Dichloroethene (total)	5	U
67-66-3	Chloroform	5	U
107-06-2	1,2-Dichloroethane	5	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	5	U
56-23-5	Carbon Tetrachloride	5	U
108-05-4	Vinyl Acetate	10	U
75-27-4	Bromodichloromethane	5	U
78-87-5	1,2-Dichloropropane	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
79-01-6	Trichloroethene	5	U
124-48-1	Dibromochloromethane	5	U
79-00-5	1,1,2-Trichloroethane	5	U
71-43-2	Benzene	5	U
10061-02-6	Trans-1,3-Dichloropropene	5	U
75-25-2	Bromoform	5	U
108-10-1	4-Methyl-2-Pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	5	U
79-34-5	1,1,2,2-Tetrachloroethane	5	U
108-88-3	Toluene	5	U
108-90-7	Chlorobenzene	5	U
100-41-4	Ethylbenzene	5	U
100-42-5	Styrene	5	U
1330-20-7	Xylene (total)	5	U
75-71-8	DICHLORODIFLUOROMETHANE	6	

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

METHODSPIKE2

Lab Name: G S E L I Contract: _____

Lab Code: GULF Case No.: _____ SAS No.: 4901C SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: 042-80-VDCDFN

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: eVB0929898

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 09/29/89

Column (pack/cap) PACK Dilution Factor: 1.0

Number TICs found: 0 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

METHODSPIKE 2

Lab Name: G S E L I Contract: _____

Lab Code: GULF Case No.: _____ SAS No.: 4901C SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: 042-80-VDCDF

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: AVB100389B

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. ____ Date Analyzed: 10/03/89

Column: (pack/cap) PACK Dilution Factor: 1.0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND		Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	7	B
67-64-1	Acetone	5	J
75-15-0	Carbon Disulfide	5	U
75-35-4	1,1-Dichloroethene	5	U
75-34-3	1,1-Dichloroethane	5	U
540-59-0	1,2-Dichloroethene (total)	5	U
67-66-3	Chloroform	5	U
107-06-2	1,2-Dichloroethane	5	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	5	U
56-23-5	Carbon Tetrachloride	5	U
108-05-4	Vinyl Acetate	10	U
75-27-4	Bromodichloromethane	5	U
78-87-5	1,2-Dichloropropane	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
79-01-6	Trichloroethene	5	U
124-48-1	Dibromochloromethane	5	U
79-00-5	1,1,2-Trichloroethane	5	U
71-43-2	Benzene	5	U
10061-02-6	Trans-1,3-Dichloropropene	5	U
75-25-2	Bromoform	5	U
108-10-1	4-Methyl-2-Pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	5	U
79-34-5	1,1,2,2-Tetrachloroethane	5	U
108-88-3	Toluene	5	U
108-90-7	Chlorobenzene	5	U
100-41-4	Ethylbenzene	5	U
100-42-5	Styrene	5	U
1330-20-7	Xylene (total)	5	U
75-71-8	DICHLORODIFLUOROMETHANE	6	

AR306506

000389

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

METHODSPIKE2

Lab Name: G S E L I Contract:

Lab Code: GULF Case No.: SAS No.: 4901C SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 042-80-VDCDF

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: AVB100389B

Level: (low/med) LOW Date Received:

% Moisture: not dec. Date Analyzed: 10/03/89

Column (pack/cap) PACK Dilution Factor: 1.0

Number TICs found: 0 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

METHODSPIK

Lab Name: G S E L I Contract: _____

Lab Code: GULF Case No.: _____ SAS No.: 4901C SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: 042-80-DCDFM5

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: AV8092889B

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. ____ Date Analyzed: 09/28/89

Column: (pack/cap) PACK Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	5	U
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	5	U
75-35-4	1,1-Dichloroethene	5	U
75-34-3	1,1-Dichloroethane	5	U
540-59-0	1,2-Dichloroethene (total)	5	U
67-66-3	Chloroform	5	U
107-06-2	1,2-Dichloroethane	5	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	5	U
56-23-5	Carbon Tetrachloride	5	U
108-05-4	Vinyl Acetate	10	U
75-27-4	Bromodichloromethane	5	U
78-87-5	1,2-Dichloropropane	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
79-01-6	Trichloroethene	5	U
124-48-1	Dibromochloromethane	5	U
79-00-5	1,1,2-Trichloroethane	5	U
71-43-2	Benzene	5	U
10061-02-6	Trans-1,3-Dichloropropene	5	U
75-25-2	Bromoform	5	U
108-10-1	4-Methyl-2-Pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	5	U
79-34-5	1,1,2,2-Tetrachloroethane	5	U
108-88-3	Toluene	5	U
108-90-7	Chlorobenzene	5	U
100-41-4	Ethylbenzene	5	U
100-42-5	Styrene	5	U
1330-20-7	Xylene (total)	5	U
75-71-8	DICHLORODIFLUROMETHANE	7	

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

METHODSPIKE3

Lab Name: G S E L I Contract: _____

Lab Code: GULF Case No.: _____ SAS No.: 4901C SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: 042-80-DCDFM5

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: AV8092889B

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 09/29/89

Column (pack/cap) PACK Dilution Factor: 1.0

Number TICs found: 0 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

METHODSPIKE3

Lab Name: G S E L I Contract: _____

Lab Code: GULF Case No.: _____ SAS No.: 4901C SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: 042-80-DCDFM5

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: AVB100289B

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 10/02/89

Column: (pack/cap) PACK Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	3	BJ
67-64-1	Acetone	5	BJ
75-15-0	Carbon Disulfide	5	U
75-35-4	1,1-Dichloroethene	5	U
75-34-3	1,1-Dichloroethane	5	U
540-59-0	1,2-Dichloroethene (total)	5	U
67-66-3	Chloroform	5	U
107-06-2	1,2-Dichloroethane	5	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	5	U
56-23-5	Carbon Tetrachloride	5	U
108-05-4	Vinyl Acetate	10	U
75-27-4	Bromodichloromethane	5	U
78-87-5	1,2-Dichloropropane	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
79-01-6	Trichloroethene	5	U
124-48-1	Dibromochloromethane	5	U
79-00-5	1,1,2-Trichloroethane	5	U
71-43-2	Benzene	5	U
10061-02-6	Trans-1,3-Dichloropropene	5	U
75-25-2	Bromoform	5	U
108-10-1	4-Methyl-2-Pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	5	U
79-34-5	1,1,2,2-Tetrachloroethane	5	U
108-88-3	Toluene	5	U
108-90-7	Chlorobenzene	5	U
100-41-4	Ethylbenzene	5	U
100-42-5	Styrene	5	U
1330-20-7	Xylene (total)	5	U
75-71-8	DICHLORODIFLUOROMETHANE	~~5~~ 55	

Adm

1E

EPA SAMPLE NO.

METHODSPIKE3

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: G S E L I Contract: _____

Lab Code: GULF Case No.: _____ SAS No.: 4901C SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: 042-80-DCDFM5

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: AVB100289B

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 10/02/89

Column (pack/cap) PACK Dilution Factor: 1.0

Number TICs found: 0 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

METHODSPIKE3

Lab Name: G S E L I Contract: _____

Lab Code: GULF Case No.: _____ SAS No.: 4901C SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: 042-80-DCDFM5

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: AVB100489B

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 10/04/89

Column: (pack/cap) PACK Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	6	B
67-64-1	Acetone	6	BJ
75-15-0	Carbon Disulfide	5	U
75-35-4	1,1-Dichloroethene	5	U
75-34-3	1,1-Dichloroethane	5	U
540-59-0	1,2-Dichloroethene (total)	5	U
67-66-3	Chloroform	5	U
107-06-2	1,2-Dichloroethane	5	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	5	U
56-23-5	Carbon Tetrachloride	5	U
108-05-4	Vinyl Acetate	10	U
75-27-4	Bromodichloromethane	5	U
78-87-5	1,2-Dichloropropane	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
79-01-6	Trichloroethene	5	U
124-48-1	Dibromochloromethane	5	U
79-00-5	1,1,2-Trichloroethane	5	U
71-43-2	Benzene	5	U
10061-02-6	Trans-1,3-Dichloropropene	5	U
75-25-2	Bromoform	5	U
108-10-1	4-Methyl-2-Pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	5	U
79-34-5	1,1,2,2-Tetrachloroethane	5	U
108-88-3	Toluene	5	U
108-90-7	Chlorobenzene	5	U
100-41-4	Ethylbenzene	5	U
100-42-5	Styrene	5	U
1330-20-7	Xylene (total)	5	U
75-71-8	DICHLORODIFLUOROMETHANE	6	

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

METHODSPIKE 3

Lab Name: G S E L I Contract: _____

Lab Code: GULF Case No.: _____ SAS No.: 4901C SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: 042-80-DCDFM5

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: AVB100489B

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 10/04/89

Column (pack/cap) PACK Dilution Factor: 1.0

Number TICs found: 0 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

4901C1MS

Lab Name: G S E L I Contract: _____

Lab Code: GULF Case No.: _____ SAS No.: 4901C SDG No.: ~~F7755~~ 6FM

Matrix: (soil/water) WATER Lab Sample ID: CRP03MS

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: VOCRP03MS

Level: (low/med) LOW Date Received: 09/19/89

% Moisture: not dec. ____ Date Analyzed: 09/26/89

Column: (pack/cap) PACK Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	9	B
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	5	U
75-35-4	1,1-Dichloroethene	5	U
75-34-3	1,1-Dichloroethane	5	U
540-59-0	1,2-Dichloroethene (total)	5	U
67-66-3	Chloroform	5	U
107-06-2	1,2-Dichloroethane	5	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	5	U
56-23-5	Carbon Tetrachloride	5	U
108-05-4	Vinyl Acetate	10	U
75-27-4	Bromodichloromethane	5	U
78-87-5	1,2-Dichloropropane	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
79-01-6	Trichloroethene	5	U
124-48-1	Dibromochloromethane	5	U
79-00-5	1,1,2-Trichloroethane	5	U
71-43-2	Benzene	5	U
10061-02-6	Trans-1,3-Dichloropropene	5	U
75-25-2	Bromoform	5	U
108-10-1	4-Methyl-2-Pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	5	U
79-34-5	1,1,2,2-Tetrachloroethane	5	U
108-88-3	Toluene	5	U
108-90-7	Chlorobenzene	5	U
100-41-4	Ethylbenzene	5	U
100-42-5	Styrene	5	U
1330-20-7	Xylene (total)	5	U
75-71-8	DICHLORODIFLURO METHANE	60	

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

4901C1MSD

Lab Name: G S E L I Contract: _____

Lab Code: GULF Case No.: _____ SAS No.: 4901C SDG No.: ~~F7755~~ 8777

Matrix: (soil/water) WATER Lab Sample ID: CRF03MSD

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: VOCRF03MSD

Level: (low/med) LOW Date Received: 09/19/89

% Moisture: not dec. _____ Date Analyzed: 09/26/89

Column: (pack/cap) PACK Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	13	B
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	5	U
75-35-4	1,1-Dichloroethene	5	U
75-34-3	1,1-Dichloroethane	5	U
540-59-0	1,2-Dichloroethene (total)	5	U
67-66-3	Chloroform	5	U
107-06-2	1,2-Dichloroethane	5	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	5	U
56-23-5	Carbon Tetrachloride	5	U
108-05-4	Vinyl Acetate	10	U
75-27-4	Bromodichloromethane	5	U
78-87-5	1,2-Dichloropropane	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
79-01-6	Trichloroethene	5	U
124-48-1	Dibromochloromethane	5	U
79-00-5	1,1,2-Trichloroethane	5	U
71-43-2	Benzene	5	U
10061-02-6	Trans-1,3-Dichloropropene	5	U
75-25-2	Bromoform	5	U
108-10-1	4-Methyl-2-Pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	5	U
79-34-5	1,1,2,2-Tetrachloroethane	5	U
108-88-3	Toluene	5	U
108-90-7	Chlorobenzene	5	U
100-41-4	Ethylbenzene	5	U
100-42-5	Styrene	5	U
1330-20-7	Xylene (total)	5	U
75-71-8	DICHLORODIFLUROMETHANE	58	

AR306515

FORM I VOA

Resubmission 1/15/90 CHM

LA

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

4901C19MS

Lab Name: [illegible] Contract: _____

Lab Code: [illegible] Case No.: _____ SAS No.: 4901C SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: CSB09MS

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: VOCSB09MS

Level: (low/med) LOW Date Received: 09/21/89 2/ CHM

% Moisture: not dec. _____ Date Analyzed: 09/28/89

Column: (pack/cap) PACK Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
[illegible]-3	Chloromethane	10	U
[illegible]-3	Bromomethane	10	U
[illegible]-4	Vinyl Chloride	10	U
[illegible]-0-3	Chloroethane	10	U
[illegible]-09-2	Methylene Chloride	22	B
[illegible]-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	5	U
75-35-4	1,1-Dichloroethene	5	U
75-34-3	1,1-Dichloroethane	5	U
540-59-0	1,2-Dichloroethene (total)	5	U
67-66-3	Chloroform	5	U
107-06-2	1,2-Dichloroethane	5	U
[illegible]-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	5	U
56-23-5	Carbon Tetrachloride	5	U
108-05-4	Vinyl Acetate	10	U
75-27-4	Bromodichloromethane	5	U
78-87-5	1,2-Dichloropropane	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
[illegible]-01-6	Trichloroethene	5	U
124-48-1	Dibromochloromethane	5	U
[illegible]-00-5	1,1,2-Trichloroethane	5	U
71-43-2	Benzene	5	U
10061-02-6	Trans-1,3-Dichloropropene	5	U
75-25-2	Bromoform	5	U
108-10-1	4-Methyl-2-Pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	5	U
79-34-5	1,1,2,2-Tetrachloroethane	5	U
108-88-3	Toluene	5	U
108-90-7	Chlorobenzene	5	U
100-41-4	Ethylbenzene	5	U
100-42-5	Styrene	5	U
1330-20-7	Xylene (total)	5	U
75-71-8	DICHLORO DI FLUORO METHANE	68	

Resubmission 1/15/90 cmm

A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

4901C17MSD

Lab Name: USEPA Contract: _____

Lab Code: USEP Case No.: _____ SAS No.: 4901C SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: CSBOSMSD

Sample wt/vol: 1.0 (g/ML) ML Lab File ID: VOCSBOSMSD

Level: (low/med) LOW Date Received: 09/26/89 21 cmm

% Moisture: not dec. _____ Date Analyzed: 09/28/89

Column: (pack/cap) PACK Dilution Factor: 1.0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS No.	COMPOUND	Q
74-87-3	Chloromethane	10 U
74-83-9	Bromomethane	10 U
75-01-4	Vinyl Chloride	10 U
75-00-3	Chloroethane	10 U
75-09-2	Methylene Chloride	10 B
67-64-1	Acetone	10 U
75-15-0	Carbon Disulfide	5 U
75-35-4	1,1-Dichloroethene	5 U
75-34-3	1,1-Dichloroethane	5 U
540-59-0	1,2-Dichloroethene (total)	5 U
67-66-3	Chloroform	5 U
107-06-2	1,2-Dichloroethane	5 U
78-93-3	2-Butanone	10 U
71-55-6	1,1,1-Trichloroethane	5 U
56-23-5	Carbon Tetrachloride	5 U
108-05-4	Vinyl Acetate	10 U
75-27-4	Bromodichloromethane	5 U
78-87-5	1,2-Dichloropropane	5 U
10061-01-5	cis-1,3-Dichloropropene	5 U
79-01-6	Trichloroethene	5 U
124-48-1	Dibromochloromethane	5 U
79-00-5	1,1,2-Trichloroethane	5 U
71-43-2	Benzene	5 U
10061-02-6	Trans-1,3-Dichloropropene	5 U
75-25-2	Bromoform	5 U
108-10-1	4-Methyl-2-Pentanone	10 U
591-78-6	2-Hexanone	10 U
127-18-4	Tetrachloroethene	5 U
79-34-5	1,1,2,2-Tetrachloroethane	5 U
108-88-3	Toluene	5 U
108-90-7	Chlorobenzene	5 U
100-41-4	Ethylbenzene	5 U
100-42-5	Styrene	5 U
1330-20-7	Xylene (total)	5 U
75-71-8	DICHLORODIFLUOROMETHANE	66

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

4901C42MS

Lab Name: G S E L I Contract:

Lab Code: GULF Case No.: SAS No.: 4901C SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: CTE08MS

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: VOCTE08MS

Level: (low/med) LOW Date Received: 09/29/89 (29 CORR)

% Moisture: not dec. Date Analyzed: 10/02/89

Column: (pack/cap) PACK Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	15	B
67-64-1	Acetone	6	BJ
75-15-0	Carbon Disulfide	5	U
75-35-4	1,1-Dichloroethene	5	U
75-34-3	1,1-Dichloroethane	3	J
540-59-0	1,2-Dichloroethene (total)	5	U
67-66-3	Chloroform	5	U
107-06-2	1,2-Dichloroethane	5	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	3	J
56-23-5	Carbon Tetrachloride	5	U
108-05-4	Vinyl Acetate	10	U
75-27-4	Bromodichloromethane	5	U
78-87-5	1,2-Dichloropropane	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
79-01-6	Trichloroethene	5	U
124-48-1	Dibromochloromethane	5	U
79-00-5	1,1,2-Trichloroethane	5	U
71-43-2	Benzene	5	U
10061-02-6	Trans-1,3-Dichloropropene	3	J
75-25-2	Bromoform	5	U
108-10-1	4-Methyl-2-Pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	10	
79-34-5	1,1,2,2-Tetrachloroethane	5	U
108-88-3	Toluene	5	U
108-90-7	Chlorobenzene	5	U
100-41-4	Ethylbenzene	5	U
100-42-5	Styrene	5	U
1330-20-7	Xylene (total)	5	U
75-71-8	DICHLORODIFLUOROMETHANE	57	

Resubmission 1/15/90 CMm

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

4901C42MSD

Lab Name: G S E L I Contract: _____

Lab Code: GULF Case No.: _____ SAS No.: 4901C SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: CTE08MSD

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: VOCTE08MSD

Level: (low/med) LOW Date Received: 09/28/89 (1/9 CMm)

% Moisture: not dec. _____ Date Analyzed: 10/02/89

Column: (pack/cap) PACK Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	17	B
67-64-1	Acetone	7	BJ
75-15-0	Carbon Disulfide	5	U
75-35-4	1,1-Dichloroethene	5	U
75-34-3	1,1-Dichloroethane	3	J
540-59-0	1,2-Dichloroethene (total)	5	U
67-66-3	Chloroform	5	U
107-06-2	1,2-Dichloroethane	5	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	3	J
56-23-5	Carbon Tetrachloride	5	U
108-05-4	Vinyl Acetate	10	U
75-27-4	Bromodichloromethane	5	U
78-87-5	1,2-Dichloropropane	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
79-01-6	Trichloroethene	5	U
124-48-1	Dibromochloromethane	5	U
79-00-5	1,1,2-Trichloroethane	5	U
71-43-2	Benzene	5	U
10061-02-6	Trans-1,3-Dichloropropene	3	J
75-25-2	Bromoform	5	U
108-10-1	4-Methyl-2-Pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	10	
79-34-5	1,1,2,2-Tetrachloroethane	5	U
108-88-3	Toluene	5	U
108-90-7	Chlorobenzene	5	U
100-41-4	Ethylbenzene	5	U
100-42-5	Styrene	5	U
1330-20-7	Xylene (total)	5	U
75-71-8	DICHLORODIFLUOROMETHANE	47	

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CBQ00 00094

ab Name: YORK LABS/CT Contract: 68-W8-0021

ab Code: YORK Case No.: 12512 SAS No.: SDG No.: CBQ02

atrix: (soil/water) WATER Lab Sample ID: 1496008

ample wt/vol: 1000 (g/mL) ML Lab File ID: >C4488

evel: (low/med) LOW Date Received: 08/23/89

Moisture: not dec. dec. Date Extracted: 08/23/89

xtraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 09/09/89

PC Cleanup: (Y/N) N pH: Dilution Factor: 1

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q	
99-09-2	3-Nitroaniline	50.000	U	
83-32-9	Acenaphthene	10.000	U	
51-28-5	2,4-Dinitrophenol	50.000	U	
100-02-7	4-Nitrophenol	50.000	U	
132-64-9	Dibenzofuran	10.000	U	
121-14-2	2,4-Dinitrotoluene	10.000	U	
84-66-2	Diethylphthalate	10.000	U	
7005-72-3	4-Chlorophenyl-phenylether	10.000	U	
86-73-7	Fluorene	10.000	U	
100-01-6	4-Nitroaniline	50.000	U	
534-52-1	4,6-Dinitro-2-methylphenol	50.000	U	
86-30-6	N-Nitrosodiphenylamine (1)	10 ~~1.000~~	~~U~~	ar 9/19/89
101-55-3	4-Bromophenyl-phenylether	10.000	U	
118-74-1	Hexachlorobenzene	10.000	U	
87-86-5	Pentachlorophenol	50.000	U	
85-01-8	Phenanthrene	10.000	U	
120-12-7	Anthracene	10.000	U	
84-74-2	Di-n-butylphthalate	0.500	J	
206-44-0	Fluoranthene	10.000	U	
129-00-0	Pyrene	10.000	U	
85-68-7	Butylbenzylphthalate	10.000	U	
91-94-1	3,3'-Dichlorobenzidine	20.000	U	
56-55-3	Benzo(a)anthracene	10.000	U	
218-01-9	Chrysene	10.000	U	
117-81-7	bis(2-Ethylhexyl)phthalate	1.000 ~~10.000~~	~~U~~ JB	mrkw 9/25
117-84-0	Di-n-octylphthalate	10.000	U	
205-99-2	Benzo(b)fluoranthene	10.000	U	
207-08-9	Benzo(k)fluoranthene	10.000	U	
50-32-8	Benzo(a)pyrene	10.000	U	
193-39-5	Indeno(1,2,3-cd)pyrene	10.000	U	
53-70-3	Dibenzo(a,h)anthracene	10.000	U	
191-24-2	Benzo(g,h,i)perylene	10.000	U	

(1) - Cannot be separated from Diphenylamine

1D

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

C8Q00 000654

ab Name: YORK LABS/CT Contract: 68-W8-0021

ab Code: YORK Case No.: 12512 SAS No.: _____ SDG No.: C8Q02

atrix: (soil/water) WATER Lab Sample ID: 1496008

ample wt/vol: 1000. (g/mL) ML Lab File ID: _____

evel: (low/med) LOW Date Received: 08/23/89

Moisture: not dec. _____ dec. _____ Date Extracted: 08/24/89

xtraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 08/30/89

PC Cleanup: (Y/N) N pH: Dilution Factor: 1

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
319-84-6	alpha-BHC	0.050	U
319-85-7	beta-BHC	0.050	U
319-86-8	delta-BHC	0.050	U
58-89-9	gamma-BHC (Lindane)	0.050	U
76-44-8	Heptachlor	0.050	U
309-00-2	Aldrin	0.050	U
1024-57-3	Heptachlor epoxide	0.050	U
959-98-8	Endosulfan I	0.050	U
60-57-1	Dieldrin	0.10	U
72-55-9	4,4'-DDE	0.10	U
72-20-8	Endrin	0.10	U
33213-65-9	Endosulfan II	0.10	U
72-54-8	4,4'-DDD	0.10	U
1031-07-8	Endosulfan sulfate	0.10	U
50-29-3	4,4'-DDT	0.10	U
72-43-5	Methoxychlor	0.50	U
53494-70-5	Endrin ketone	0.10	U
5103-71-9	alpha-Chlordane	0.50	U
5103-74-2	gamma-Chlordane	0.50	U
8001-35-2	Toxaphene	1.0	U
12674-11-2	Aroclor-1016	0.50	U
11104-28-2	Aroclor-1221	0.50	U
11141-16-5	Aroclor-1232	0.50	U
53469-21-9	Aroclor-1242	0.50	U
12672-29-6	Aroclor-1248	0.50	U
11097-69-1	Aroclor-1254	1.0	U
11096-82-5	Aroclor-1260	1.0	U

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CBQ01 006051

ab Name: YORK LABS/CT Contract: 68-W8-0021

ab Code: YORK Case No.: 12512 SAS No.: SDG No.: CBQ02

atrix: (soil/water) WATER Lab Sample ID: 1496017

ample wt/vol: 1000 (g/mL) ML Lab File ID: >H5707

evel: (low/med) LOW Date Received: 08/24/89

Moisture: not dec. dec. Date Extracted: 08/25/89

xtraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 09/09/89

PC Cleanup: (Y/N) N pH: Dilution Factor: 1

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	10.000	U
111-44-4	bis(2-Chloroethyl)ether	10.000	U
95-57-8	2-Chlorophenol	0.400	JB
541-73-1	1,3-Dichlorobenzene	10.000	U
106-46-7	1,4-Dichlorobenzene	10.000	U
100-51-6	Benzyl alcohol	10.000	U
95-50-1	1,2-Dichlorobenzene	10.000	U
95-48-7	2-Methylphenol	10.000	U
108-60-1	bis(2-Chloroisopropyl)ether	10.000	U
106-44-5	4-Methylphenol	10.000	U
621-64-7	N-Nitroso-di-n-propylamine	10.000	U
67-72-1	Hexachloroethane	10.000	U
98-95-3	Nitrobenzene	10.000	U
78-59-1	Isophorone	10.000	U
88-75-5	2-Nitrophenol	10.000	U
105-67-9	2,4-Dimethylphenol	10.000	U
65-85-0	Benzoic acid	50.000	U
111-91-1	bis(2-Chloroethoxy)methane	10.000	U
120-83-2	2,4-Dichlorophenol	10.000	U
120-82-1	1,2,4-Trichlorobenzene	10.000	U
91-20-3	Naphthalene	10.000	U
106-47-8	4-Chloroaniline	10.000	U
87-68-3	Hexachlorobutadiene	10.000	U
59-50-7	4-Chloro-3-methylphenol	10.000	U
91-57-6	2-Methylnaphthalene	10.000	U
77-47-4	Hexachlorocyclopentadiene	10.000	U
88-06-2	2,4,6-Trichlorophenol	10.000	U
95-95-4	2,4,5-Trichlorophenol	50.000	U
91-58-7	2-Chloronaphthalene	10.000	U
88-74-4	2-Nitroaniline	50.000	U
131-11-3	Dimethylphthalate	10.000	U
208-96-8	Acenaphthylene	10.000	U
606-20-2	2,6-Dinitrotoluene	10.000	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CBQ01 000052

ab Name: YORK LABS/CT Contract: 68-W8-0021

Code: YORK Case No.: 12512 SAS No.: SDG No.: CBQ02

atrix: (soil/water) WATER Lab Sample ID: 1496017

ample wt/vol: 1000 (g/mL) ML Lab File ID: >H5707

evel: (low/med) LOW Date Received: 08/24/89

Moisture: not dec. dec. Date Extracted: 08/25/89

xtraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 09/09/89

PC Cleanup: (Y/N) N pH: Dilution Factor: 1

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
99-09-2	3-Nitroaniline	50.000	U
83-32-9	Acenaphthene	10.000	U
51-28-5	2,4-Dinitrophenol	50.000	U
100-02-7	4-Nitrophenol	50.000	U
132-64-9	Dibenzofuran	10.000	U
121-14-2	2,4-Dinitrotoluene	10.000	U
84-66-2	Diethylphthalate	0.400	J
7005-72-3	4-Chlorophenyl-phenylether	10.000	U
86-73-7	Fluorene	10.000	U
100-01-6	4-Nitroaniline	50.000	U
534-52-1	4,6-Dinitro-2-methylphenol	50.000	U
86-30-6	N-Nitrosodiphenylamine (1)	10.000	U
101-55-3	4-Bromophenyl-phenylether	10.000	U
118-74-1	Hexachlorobenzene	10.000	U
87-86-5	Pentachlorophenol	50.000	U
85-01-8	Phenanthrene	10.000	U
120-12-7	Anthracene	10.000	U
84-74-2	Di-n-butylphthalate	1.000	J
206-44-0	Fluoranthene	10.000	U
129-00-0	Pyrene	10.000	U
85-68-7	Butylbenzylphthalate	10.000	U
91-94-1	3,3'-Dichlorobenzidine	20.000	U
56-55-3	Benzo(a)anthracene	10.000	U
218-01-9	Chrysene	10.000	U
117-81-7	bis(2-Ethylhexyl)phthalate	11.000	B
117-84-0	Di-n-octylphthalate	0.400	J
205-99-2	Benzo(b)fluoranthene	10.000	U
207-08-9	Benzo(k)fluoranthene	10.000	U
50-32-8	Benzo(a)pyrene	10.000	U
193-39-5	Indeno(1,2,3-cd)pyrene	10.000	U
53-70-3	Dibenzo(a,h)anthracene	10.000	U
191-24-2	Benzo(g,h,i)perylene	10.000	U

(1) - Cannot be separated from Diphenylamine

1D

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

C8Q01 000657

Lab Name: YORK LABS/CT Contract: 68-W8-0021

Lab Code: YORK Case No.: 12512 SAS No.: _____ SDG No.: C8Q02

Matrix: (soil/water) WATER Lab Sample ID: 149601?

Sample wt/vol: 1000. (g/mL) ML Lab File ID: _____

Level: (low/med) LOW Date Received: 08/24/89

% Moisture: not dec. _____ dec. _____ Date Extracted: 08/25/89

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 09/01/89

GPC Cleanup: (Y/N) N pH: Dilution Factor: 1

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
319-84-6	alpha-BHC	0.050	U
319-85-7	beta-BHC	0.050	U
319-86-8	delta-BHC	0.050	U
58-89-9	gamma-BHC (Lindane)	0.050	U
76-44-8	Heptachlor	0.050	U
309-00-2	Aldrin	0.050	U
1024-57-3	Heptachlor epoxide	0.050	U
959-98-8	Endosulfan I	0.050	U
60-57-1	Dieldrin	0.10	U
72-55-9	4,4'-DDE	0.10	U
72-20-8	Endrin	0.10	U
33213-65-9	Endosulfan II	0.10	U
72-54-8	4,4'-DDD	0.10	U
1031-07-8	Endosulfan sulfate	0.10	U
50-29-3	4,4'-DDT	0.10	U
72-43-5	Methoxychlor	0.50	U
53494-70-5	Endrin ketone	0.10	U
5103-71-9	alpha-Chlordane	0.50	U
5103-74-2	gamma-Chlordane	0.50	U
8001-35-2	Toxaphene	1.0	U
12674-11-2	Aroclor-1016	0.50	U
11104-28-2	Aroclor-1221	0.50	U
11141-16-5	Aroclor-1232	0.50	U
53469-21-9	Aroclor-1242	0.50	U
12672-29-6	Aroclor-1248	0.50	U
11097-69-1	Aroclor-1254	1.0	U
11096-82-5	Aroclor-1260	1.0	U

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CBQ02 000064

ab Name: YORK LABS/CT Contract: 68-W8-0021

Code: YORK Case No.: 12512 SAS No.: SDG No.: CBQ02

atrix: (soil/water) WATER Lab Sample ID: 1496004

ample wt/vol: 1000 (g/mL) ML Lab File ID: >C4484

evel: (low/med) LOW Date Received: 08/22/89

Moisture: not dec. dec. Date Extracted: 08/23/89

ctraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 09/09/89

PC Cleanup: (Y/N) N pH: Dilution Factor: 1

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	10.000	U
111-44-4	bis(2-Chloroethyl)ether	10.000	U
95-57-8	2-Chlorophenol	10.000	U
541-73-1	1,3-Dichlorobenzene	10.000	U
106-46-7	1,4-Dichlorobenzene	10.000	U
100-51-6	Benzyl alcohol	10.000	U
95-50-1	1,2-Dichlorobenzene	10.000	U
95-48-7	2-Methylphenol	10.000	U
108-60-1	bis(2-Chloroisopropyl)ether	10.000	U
106-44-5	4-Methylphenol	10.000	U
621-64-7	N-Nitroso-di-n-propylamine	10.000	U
67-72-1	Hexachloroethane	10.000	U
98-95-3	Nitrobenzene	10.000	U
78-59-1	Isophorone	10.000	U
88-75-5	2-Nitrophenol	10.000	U
105-67-9	2,4-Dimethylphenol	10.000	U
65-85-0	Benzoic acid	50.000	U
111-91-1	bis(2-Chloroethoxy)methane	10.000	U
120-83-2	2,4-Dichlorophenol	10.000	U
120-82-1	1,2,4-Trichlorobenzene	10.000	U
91-20-3	Naphthalene	10.000	U
106-47-8	4-Chloroaniline	10.000	U
87-68-3	Hexachlorobutadiene	10.000	U
59-50-7	4-Chloro-3-methylphenol	10.000	U
91-57-6	2-Methylnaphthalene	10.000	U
77-47-4	Hexachlorocyclopentadiene	10.000	U
88-06-2	2,4,6-Trichlorophenol	10.000	U
95-95-4	2,4,5-Trichlorophenol	50.000	U
91-58-7	2-Chloronaphthalene	10.000	U
88-74-4	2-Nitroaniline	50.000	U
131-11-3	Dimethylphthalate	10.000	U
208-96-8	Acenaphthylene	10.000	U
606-20-2	2,6-Dinitrotoluene	10.000	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CBQ02

ab Name: YORK LABS/CT Contract: 68-W8-0021

ab Code: YORK Case No.: 12512 SAS No.: SDG No.: CBQ02

atrix: (soil/water) WATER Lab Sample ID: 1496004

ample wt/vol: 1000 (g/mL) ML Lab File ID: >C4484

evel: (low/med) LOW Date Received: 08/22/89

Moisture: not dec. dec. Date Extracted: 08/23/89

xtraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 09/09/89

PC Cleanup: (Y/N) N pH: Dilution Factor: 1

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
99-09-2	3-Nitroaniline	50.000	U
83-32-9	Acenaphthene	10.000	U
51-28-5	2,4-Dinitrophenol	50.000	U
100-02-7	4-Nitrophenol	50.000	U
132-64-9	Dibenzofuran	10.000	U
121-14-2	2,4-Dinitrotoluene	10.000	U
84-66-2	Diethylphthalate	10.000	U
7005-72-3	4-Chlorophenyl-phenylether	10.000	U
86-73-7	Fluorene	10.000	U
100-01-6	4-Nitroaniline	50.000	U
534-52-1	4,6-Dinitro-2-methylphenol	50.000	U
86-30-6	N-Nitrosodiphenylamine (1)	10.000	U
101-55-3	4-Bromophenyl-phenylether	10.000	U
118-74-1	Hexachlorobenzene	10.000	U
87-86-5	Pentachlorophenol	50.000	U
85-01-8	Phenanthrene	10.000	U
120-12-7	Anthracene	10.000	U
84-74-2	Di-n-butylphthalate	10.000	U
206-44-0	Fluoranthene	10.000	U
129-00-0	Pyrene	10.000	U
85-68-7	Butylbenzylphthalate	10.000	U
91-94-1	3,3'-Dichlorobenzidine	20.000	U
56-55-3	Benzo(a)anthracene	10.000	U
218-01-9	Chrysene	10.000	U
117-81-7	bis(2-Ethylhexyl)phthalate	2.000	JB
117-84-0	Di-n-octylphthalate	10.000	U
205-99-2	Benzo(b)fluoranthene	10.000	U
207-08-9	Benzo(k)fluoranthene	10.000	U
50-32-8	Benzo(a)pyrene	10.000	U
193-39-5	Indeno(1,2,3-cd)pyrene	10.000	U
53-70-3	Dibenzo(a,h)anthracene	10.000	U
191-24-2	Benzo(g,h,i)perylene	10.000	U

(1) - Cannot be separated from Diphenylamine

1D

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CBQ02

000860

ab Name: YORK LABS/CT Contract: 62-W8-0021

ab Code: YORK Case No.: 12512 SAS No.: _____ SDG No.: CBQ02

atrix: (soil/water) WATER Lab Sample ID: 1496004

amole wt/vol.: 1000. (g/mL) ML Lab File ID: _____

evel: (low/med) LOW Date Received: 08/22/89

Moisture: not dec. _____ dec. _____ Date Extracted: 08/24/89

xtraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 08/30/89

PC Cleanup: (Y/N) N pH: Dilution Factor: 1

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
319-84-6	alpha-BHC	0.050	U
319-85-7	beta-BHC	0.050	U
319-86-8	delta-BHC	0.050	U
58-89-9	gamma-BHC (Lindane)	0.050	U
76-44-8	Heptachlor	0.050	U
309-00-2	Aldrin	0.050	U
1024-57-3	Heptachlor epoxide	0.050	U
959-98-8	Endosulfan I	0.050	U
60-57-1	Dieldrin	0.10	U
72-55-9	4,4'-DDE	0.10	U
72-20-8	Endrin	0.10	U
33213-65-9	Endosulfan II	0.10	U
72-54-8	4,4'-DDD	0.10	U
1031-07-8	Endosulfan sulfate	0.10	U
50-29-3	4,4'-DDT	0.10	U
72-43-5	Methoxychlor	0.50	U
53494-70-5	Endrin ketone	0.10	U
5103-71-9	alpha-Chlordane	0.50	U
5103-74-2	gamma-Chlordane	0.50	U
8001-35-2	Toxaphene	1.0	U
12674-11-2	Aroclor-1016	0.50	U
11104-28-2	Aroclor-1221	0.50	U
11141-16-5	Aroclor-1232	0.50	U
53469-21-9	Aroclor-1242	0.50	U
12672-29-6	Aroclor-1248	0.50	U
11097-69-1	Aroclor-1254	1.0	U
11096-82-5	Aroclor-1260	1.0	U

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CBQ03 000053

ab Name: YORK LABS/CT Contract: 68-W8-0021

ab Code: YORK Case No.: 12512 SAS No.: SDG No.: CBQ02

atrix: (soil/water) WATER Lab Sample ID: 1496012

ample wt/vol: 1000 (g/mL) ML Lab File ID: >H5729

evel: (low/med) LOW Date Received: 08/23/89

Moisture: not dec. dec. Date Extracted: 08/24/89

xtraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 09/11/89

PC Cleanup: (Y/N) N pH: Dilution Factor: 1

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	10.000	U
111-44-4	bis(2-Chloroethyl)ether	10.000	U
95-57-8	2-Chlorophenol	0.400	JB
541-73-1	1,3-Dichlorobenzene	10.000	U
106-46-7	1,4-Dichlorobenzene	10.000	U
100-51-6	Benzyl alcohol	10.000	U
95-50-1	1,2-Dichlorobenzene	10.000	U
95-48-7	2-Methylphenol	10.000	U
108-60-1	bis(2-Chloroisopropyl)ether	10.000	U
106-44-5	4-Methylphenol	10.000	U
621-64-7	N-Nitroso-di-n-propylamine	10.000	U
67-72-1	Hexachloroethane	10.000	U
98-95-3	Nitrobenzene	10.000	U
78-59-1	Isophorone	10.000	U
88-75-5	2-Nitrophenol	10.000	U
105-67-9	2,4-Dimethylphenol	10.000	U
65-85-0	Benzoic acid	50.000	U
111-91-1	bis(2-Chloroethoxy)methane	10.000	U
120-83-2	2,4-Dichlorophenol	10.000	U
120-82-1	1,2,4-Trichlorobenzene	10.000	U
91-20-3	Naphthalene	10.000	U
106-47-8	4-Chloroaniline	10.000	U
87-68-3	Hexachlorobutadiene	10.000	U
59-50-7	4-Chloro-3-methylphenol	10.000	U
91-57-6	2-Methylnaphthalene	10.000	U
77-47-4	Hexachlorocyclopentadiene	10.000	U
88-06-2	2,4,6-Trichlorophenol	10.000	U
95-95-4	2,4,5-Trichlorophenol	50.000	U
91-58-7	2-Chloronaphthalene	10.000	U
88-74-4	2-Nitroaniline	50.000	U
131-11-3	Dimethylphthalate	10.000	U
208-96-8	Acenaphthylene	10.000	U
606-20-2	2,6-Dinitrotoluene	10.000	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CBQ03 000074

Name: YORK LABS/CT Contract: 68-W8-0021

ab Code: YORK Case No.: 12512 SAS No.: SDG No.: CBQ02

atrix: (soil/water) WATER Lab Sample ID: 1496012

ample wt/vol: 1000 (g/mL) ML Lab File ID: >H5729

evel: (low/med) LOW Date Received: 08/23/89

Moisture: not dec. dec. Date Extracted: 08/24/89

xtraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 09/11/89

PC Cleanup: (Y/N) N pH: Dilution Factor: 1

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
99-09-2	3-Nitroaniline	50.000	U
83-32-9	Acenaphthene	10.000	U
51-28-5	2,4-Dinitrophenol	50.000	U
100-02-7	4-Nitrophenol	50.000	U
132-64-9	Dibenzofuran	10.000	U
121-14-2	2,4-Dinitrotoluene	10.000	U
84-66-2	Diethylphthalate	10.000	U
7005-72-3	4-Chlorophenyl-phenylether	10.000	U
86-73-7	Fluorene	10.000	U
100-01-6	4-Nitroaniline	50.000	U
534-52-1	4,6-Dinitro-2-methylphenol	50.000	U
86-30-6	N-Nitrosodiphenylamine (1)	10.000	U
101-55-3	4-Bromophenyl-phenylether	10.000	U
118-74-1	Hexachlorobenzene	10.000	U
87-86-5	Pentachlorophenol	50.000	U
85-01-8	Phenanthrene	10.000	U
120-12-7	Anthracene	10.000	U
84-74-2	Di-n-butylphthalate	29.000	
206-44-0	Fluoranthene	10.000	U
129-00-0	Pyrene	10.000	U
85-68-7	Butylbenzylphthalate	10.000	U
91-94-1	3,3'-Dichlorobenzidine	20.000	U
56-55-3	Benzo(a)anthracene	10.000	U
218-01-9	Chrysene	10.000	U
117-81-7	bis(2-Ethylhexyl)phthalate	12.000	B
117-84-0	Di-n-octylphthalate	10.000	U
205-99-2	Benzo(b)fluoranthene	10.000	U
207-08-9	Benzo(k)fluoranthene	10.000	U
50-32-8	Benzo(a)pyrene	10.000	U
193-39-5	Indeno(1,2,3-cd)pyrene	10.000	U
53-70-3	Dibenzo(a,h)anthracene	10.000	U
191-24-2	Benzo(g,h,i)perylene	10.000	U

(1) - Cannot be separated from Diphenylamine

1D

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CBQ03 000[illegible]

Lab Name: YORK LABS/CT Contract: 68-W8-0021

Lab Code: YORK Case No.: 12512 SAS No.: _____ SDG No.: CBQ02

Matrix: (soil/water) WATER Lab Sample ID: 1496012

Sample wt/vol: 1000. (g/mL) ML Lab File ID: _____

Level: (low/med) LOW Date Received: 08/23/89

% Moisture: not dec. _____ dec. _____ Date Extracted: 08/25/89

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 09/01/89

GPC Cleanup: (Y/N) N pH: Dilution Factor: 1

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
319-84-6	alpha-BHC	0.050	U
319-85-7	beta-BHC	0.050	U
319-86-8	delta-BHC	0.050	U
58-89-9	gamma-BHC (Lindane)	0.050	U
76-44-8	Heptachlor	0.050	U
309-00-2	Aldrin	0.050	U
1024-57-3	Heptachlor epoxide	0.050	U
959-98-8	Endosulfan I	0.050	U
60-57-1	Dieldrin	0.10	U
72-55-9	4,4'-DDE	0.10	U
72-20-8	Endrin	0.10	U
33213-65-9	Endosulfan II	0.10	U
72-54-8	4,4'-DDD	0.10	U
1031-07-8	Endosulfan sulfate	0.10	U
50-29-3	4,4'-DDT	0.10	U
72-43-5	Methoxychlor	0.50	U
53494-70-5	Endrin ketone	0.10	U
5103-71-9	alpha-Chlordane	0.50	U
5103-74-2	gamma-Chlordane	0.50	U
8001-35-2	Toxaphene	1.0	U
12674-11-2	Aroclor-1016	0.50	U
11104-28-2	Aroclor-1221	0.50	U
11141-16-5	Aroclor-1232	0.50	U
53469-21-9	Aroclor-1242	0.50	U
12672-29-6	Aroclor-1248	0.50	U
11097-69-1	Aroclor-1254	1.0	U
11096-82-5	Aroclor-1260	1.0	U

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CBQ04 000084

ab Name: YORK LABS/CT Contract: 68-W8-0021

Code: YORK Case No.: 12512 SAS No.: SDG No.: CBQ02

atrix: (soil/water) WATER Lab Sample ID: 1496005

ample wt/vol: 1000 (g/mL) ML Lab File ID: >C4485

evel: (low/med) LOW Date Received: 08/22/89

Moisture: not dec. dec. Date Extracted: 08/23/89

xtraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 09/09/89

PC Cleanup: (Y/N) N pH: Dilution Factor: 1

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	10.000	U
111-44-4	bis(2-Chloroethyl)ether	10.000	U
95-57-8	2-Chlorophenol	10.000	U
541-73-1	1,3-Dichlorobenzene	10.000	U
106-46-7	1,4-Dichlorobenzene	10.000	U
100-51-6	Benzyl alcohol	10.000	U
95-50-1	1,2-Dichlorobenzene	10.000	U
95-48-7	2-Methylphenol	10.000	U
108-60-1	bis(2-Chloroisopropyl)ether	10.000	U
106-44-5	4-Methylphenol	10.000	U
621-64-7	N-Nitroso-di-n-propylamine	10.000	U
67-72-1	Hexachloroethane	10.000	U
98-95-3	Nitrobenzene	10.000	U
78-59-1	Isophorone	10.000	U
88-75-5	2-Nitrophenol	10.000	U
105-67-9	2,4-Dimethylphenol	10.000	U
65-85-0	Benzoic acid	50.000	U
111-91-1	bis(2-Chloroethoxy)methane	10.000	U
120-83-2	2,4-Dichlorophenol	10.000	U
120-82-1	1,2,4-Trichlorobenzene	10.000	U
91-20-3	Naphthalene	10.000	U
106-47-8	4-Chloroaniline	10.000	U
87-68-3	Hexachlorobutadiene	10.000	U
59-50-7	4-Chloro-3-methylphenol	10.000	U
91-57-6	2-Methylnaphthalene	10.000	U
77-47-4	Hexachlorocyclopentadiene	10.000	U
88-06-2	2,4,6-Trichlorophenol	10.000	U
95-95-4	2,4,5-Trichlorophenol	50.000	U
91-58-7	2-Chloronaphthalene	10.000	U
88-74-4	2-Nitroaniline	50.000	U
131-11-3	Dimethylphthalate	10.000	U
208-96-8	Acenaphthylene	10.000	U
606-20-2	2,6-Dinitrotoluene	10.000	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CBQ04

00003

ab Name: YORK LABS/CT Contract: 68-W8-0021

ab Code: YORK Case No.: 12512 SAS No.: SDG No.: CBQ02

atrix: (soil/water) WATER Lab Sample ID: 1496005

ample wt/vol: 1000 (g/mL) ML Lab File ID: >C4485

evel: (low/med) LOW Date Received: 08/22/89

Moisture: not dec. dec. Date Extracted: 08/23/89

xtraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 09/09/89

PC Cleanup: (Y/N) N pH: Dilution Factor: 1

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
99-09-2	3-Nitroaniline	50.000	U
83-32-9	Acenaphthene	10.000	U
51-28-5	2,4-Dinitrophenol	50.000	U
100-02-7	4-Nitrophenol	50.000	U
132-64-9	Dibenzofuran	10.000	U
121-14-2	2,4-Dinitrotoluene	10.000	U
84-66-2	Diethylphthalate	10.000	U
7005-72-3	4-Chlorophenyl-phenylether	10.000	U
86-73-7	Fluorene	10.000	U
100-01-6	4-Nitroaniline	50.000	U
534-52-1	4,6-Dinitro-2-methylphenol	50.000	U
86-30-6	N-Nitrosodiphenylamine (1)	10.000	U
101-55-3	4-Bromophenyl-phenylether	10.000	U
118-74-1	Hexachlorobenzene	10.000	U
87-86-5	Pentachlorophenol	50.000	U
85-01-8	Phenanthrene	10.000	U
120-12-7	Anthracene	10.000	U
84-74-2	Di-n-butylphthalate	10.000	U
206-44-0	Fluoranthene	10.000	U
129-00-0	Pyrene	10.000	U
85-68-7	Butylbenzylphthalate	10.000	U
91-94-1	3,3'-Dichlorobenzidine	20.000	U
56-55-3	Benzo(a)anthracene	10.000	U
218-01-9	Chrysene	10.000	U
117-81-7	bis(2-Ethylhexyl)phthalate	2.000	JB
117-84-0	Di-n-octylphthalate	10.000	U
205-99-2	Benzo(b)fluoranthene	10.000	U
207-08-9	Benzo(k)fluoranthene	10.000	U
50-32-8	Benzo(a)pyrene	10.000	U
193-39-5	Indeno(1,2,3-cd)pyrene	10.000	U
53-70-3	Dibenzo(a,h)anthracene	10.000	U
191-24-2	Benzo(g,h,i)perylene	10.000	U

(1) - Cannot be separated from Diphenylamine

1D

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CBQ04 00063

Lab Name: YORK LABS/CT Contract: 68-W8-0021

Lab Code: YORK Case No.: 12512 SAS No.: _____ SDG No.: CBQ02

Matrix: (soil/water) WATER Lab Sample ID: 1496005

Sample wt/vol: 1000. (g/mL) ML Lab File ID: _____

Level: (low/med) LOW Date Received: 08/22/89

% Moisture: not dec. _____ dec. _____ Date Extracted: 08/24/89

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 08/30/89

GPC Cleanup: (Y/N) N pH: Dilution Factor: 1

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
319-84-6	alpha-BHC	0.050	U
319-85-7	beta-BHC	0.050	U
319-86-8	delta-BHC	0.050	U
58-89-9	gamma-BHC (Lindane)	0.050	U
76-44-8	Heptachlor	0.050	U
309-00-2	Aldrin	0.050	U
1024-57-3	Heptachlor epoxide	0.050	U
959-98-8	Endosulfan I	0.050	U
60-57-1	Dieldrin	0.10	U
72-55-9	4,4'-DDE	0.10	U
72-20-8	Endrin	0.10	U
33213-65-9	Endosulfan II	0.10	U
72-54-8	4,4'-DDD	0.10	U
1031-07-8	Endosulfan sulfate	0.10	U
50-29-3	4,4'-DDT	0.10	U
72-43-5	Methoxychlor	0.50	U
53494-70-5	Endrin ketone	0.10	U
5103-71-9	alpha-Chlordane	0.50	U
5103-74-2	gamma-Chlordane	0.50	U
8001-35-2	Toxaphene	1.0	U
12674-11-2	Aroclor-1016	0.50	U
11104-28-2	Aroclor-1221	0.50	U
11141-16-5	Aroclor-1232	0.50	U
53469-21-9	Aroclor-1242	0.50	U
12672-29-6	Aroclor-1248	0.50	U
11097-69-1	Aroclor-1254	1.0	U
11096-82-5	Aroclor-1260	1.0	U

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CBQ05

000093

ab Name: YORK LABS/CT Contract: 68-W8-0021

ab Code: YORK Case No.: 12512 SAS No.: SDG No.: CBQ02

atrix: (soil/water) WATER Lab Sample ID: 1496006

ample wt/vol: 1000 (g/mL) ML Lab File ID: >C4486

evel: (low/med) LOW Date Received: 08/22/89

Moisture: not dec. dec. Date Extracted: 08/23/89

xtraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 09/09/89

PC Cleanup: (Y/N) N pH: Dilution Factor: 1

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	10.000	U
111-44-4	bis(2-Chloroethyl)ether	10.000	U
95-57-8	2-Chlorophenol	10.000	U
541-73-1	1,3-Dichlorobenzene	10.000	U
106-46-7	1,4-Dichlorobenzene	10.000	U
100-51-6	Benzyl alcohol	10.000	U
95-50-1	1,2-Dichlorobenzene	10.000	U
95-48-7	2-Methylphenol	10.000	U
108-60-1	bis(2-Chloroisopropyl)ether	10.000	U
106-44-5	4-Methylphenol	10.000	U
621-64-7	N-Nitroso-di-n-propylamine	10.000	U
67-72-1	Hexachloroethane	10.000	U
98-95-3	Nitrobenzene	10.000	U
78-59-1	Isophorone	10.000	U
88-75-5	2-Nitrophenol	10.000	U
105-67-9	2,4-Dimethylphenol	10.000	U
65-85-0	Benzoic acid	50.000	U
111-91-1	bis(2-Chloroethoxy)methane	10.000	U
120-83-2	2,4-Dichlorophenol	10.000	U
120-82-1	1,2,4-Trichlorobenzene	10.000	U
91-20-3	Naphthalene	10.000	U
106-47-8	4-Chloroaniline	10.000	U
87-68-3	Hexachlorobutadiene	10.000	U
59-50-7	4-Chloro-3-methylphenol	10.000	U
91-57-6	2-Methylnaphthalene	10.000	U
77-47-4	Hexachlorocyclopentadiene	10.000	U
88-06-2	2,4,6-Trichlorophenol	10.000	U
95-95-4	2,4,5-Trichlorophenol	50.000	U
91-58-7	2-Chloronaphthalene	10.000	U
88-74-4	2-Nitroaniline	50.000	U
131-11-3	Dimethylphthalate	10.000	U
208-96-8	Acenaphthylene	10.000	U
606-20-2	2,6-Dinitrotoluene	10.000	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CBQ05

ab Name: YORK LABS/CT Contract: 68-W8-0021

Code: YORK Case No.: 12512 SAS No.: SDG No.: CBQ02

000094

atrix: (soil/water) WATER Lab Sample ID: 1496006

ample wt/vol: 1000 (g/mL) ML Lab File ID: >C4486

evel: (low/med) LOW Date Received: 08/22/89

Moisture: not dec. dec. Date Extracted: 08/23/89

xtraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 09/09/89

PC Cleanup: (Y/N) N pH: Dilution Factor: 1

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
99-09-2	3-Nitroaniline	50.000	U
83-32-9	Acenaphthene	10.000	U
51-28-5	2,4-Dinitrophenol	50.000	U
100-02-7	4-Nitrophenol	50.000	U
132-64-9	Dibenzofuran	10.000	U
121-14-2	2,4-Dinitrotoluene	10.000	U
84-66-2	Diethylphthalate	10.000	U
7005-72-3	4-Chlorophenyl-phenylether	10.000	U
86-73-7	Fluorene	10.000	U
100-01-6	4-Nitroaniline	50.000	U
534-52-1	4,6-Dinitro-2-methylphenol	50.000	U
86-30-6	N-Nitrosodiphenylamine (1)	10.000	U
101-55-3	4-Bromophenyl-phenylether	10.000	U
118-74-1	Hexachlorobenzene	10.000	U
87-86-5	Pentachlorophenol	50.000	U
85-01-8	Phenanthrene	10.000	U
120-12-7	Anthracene	10.000	U
84-74-2	Di-n-butylphthalate	10.000	U
206-44-0	Fluoranthene	10.000	U
129-00-0	Pyrene	10.000	U
85-68-7	Butylbenzylphthalate	10.000	U
91-94-1	3,3'-Dichlorobenzidine	20.000	U
56-55-3	Benzo(a)anthracene	10.000	U
218-01-9	Chrysene	10.000	U
117-81-7	bis(2-Ethylhexyl)phthalate	10.000	U
117-84-0	Di-n-octylphthalate	3.000	J
205-99-2	Benzo(b)fluoranthene	10.000	U
207-08-9	Benzo(k)fluoranthene	10.000	U
50-32-8	Benzo(a)pyrene	10.000	U
193-39-5	Indeno(1,2,3-cd)pyrene	10.000	U
53-70-3	Dibenzo(a,h)anthracene	10.000	U
191-24-2	Benzo(g,h,i)perylene	10.000	U

(1) - Cannot be separated from Diphenylamine

1D

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CBQ05 000[redacted]6

ab Name: YORK LABS/CT Contract: 68-W8-0021

ab Code: YORK Case No.: 12512 SAS No.: _____ SDG No.: CBQ02

atrix: (soil/water) WATER Lab Sample ID: 1496006

ample wt/vol.: 1000. (g/mL) ML Lab File ID: _____

evel: (low/med) LOW Date Received: 08/22/89

Moisture: not dec. _____ dec. _____ Date Extracted: 08/24/89

xtraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 08/30/89

PC Cleanup: (Y/N) N pH: Dilution Factor: 1

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
319-84-6	alpha-BHC	0.050	U
319-85-7	beta-BHC	0.050	U
319-86-8	delta-BHC	0.050	U
58-89-9	gamma-BHC (Lindane)	0.050	U
76-44-8	Heptachlor	0.050	U
309-00-2	Aldrin	0.050	U
1024-57-3	Heptachlor epoxide	0.050	U
959-98-8	Endosulfan I	0.050	U
60-57-1	Dieldrin	0.10	U
72-55-9	4,4'-DDE	0.10	U
72-20-8	Endrin	0.10	U
33213-65-9	Endosulfan II	0.10	U
72-54-8	4,4'-DDD	0.10	U
1031-07-8	Endosulfan sulfate	0.10	U
50-29-3	4,4'-DDT	0.10	U
72-43-5	Methoxychlor	0.50	U
53494-70-5	Endrin ketone	0.10	U
5103-71-9	alpha-Chlordane	0.50	U
5103-74-2	gamma-Chlordane	0.50	U
8001-35-2	Toxaphene	1.0	U
12674-11-2	Aroclor-1016	0.50	U
11104-28-2	Aroclor-1221	0.50	U
11141-16-5	Aroclor-1232	0.50	U
53469-21-9	Aroclor-1242	0.50	U
12672-29-6	Aroclor-1248	0.50	U
11097-69-1	Aroclor-1254	1.0	U
11096-82-5	Aroclor-1260	1.0	U

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CBQ06

000102

Name: YORK LABS/CT Contract: 68-W8-0021

Lab Code: YORK Case No.: 12512 SAS No.: SDG No.: CBQ02

Matrix: (soil/water) WATER Lab Sample ID: 1496018

Sample wt/vol: 1000 (g/mL) ML Lab File ID: >H5708

Level: (low/med) LOW Date Received: 08/24/89

% Moisture: not dec. dec. Date Extracted: 08/25/89

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 09/09/89

GPC Cleanup: (Y/N) N pH: Dilution Factor: 1

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	10.000	U
111-44-4	bis(2-Chloroethyl)ether	10.000	U
95-57-8	2-Chlorophenol	0.400	JB
541-73-1	1,3-Dichlorobenzene	10.000	U
106-46-7	1,4-Dichlorobenzene	10.000	U
100-51-6	Benzyl alcohol	10.000	U
95-50-1	1,2-Dichlorobenzene	10.000	U
95-48-7	2-Methylphenol	10.000	U
108-60-1	bis(2-Chloroisopropyl)ether	10.000	U
106-44-5	4-Methylphenol	10.000	U
621-64-7	N-Nitroso-di-n-propylamine	10.000	U
67-72-1	Hexachloroethane	10.000	U
98-95-3	Nitrobenzene	10.000	U
78-59-1	Isophorone	10.000	U
88-75-5	2-Nitrophenol	10.000	U
105-67-9	2,4-Dimethylphenol	10.000	U
65-85-0	Benzoic acid	50.000	U
111-91-1	bis(2-Chloroethoxy)methane	10.000	U
120-83-2	2,4-Dichlorophenol	10.000	U
120-82-1	1,2,4-Trichlorobenzene	10.000	U
91-20-3	Naphthalene	10.000	U
106-47-8	4-Chloroaniline	10.000	U
87-68-3	Hexachlorobutadiene	10.000	U
59-50-7	4-Chloro-3-methylphenol	10.000	U
91-57-6	2-Methylnaphthalene	10.000	U
77-47-4	Hexachlorocyclopentadiene	10.000	U
88-06-2	2,4,6-Trichlorophenol	10.000	U
95-95-4	2,4,5-Trichlorophenol	50.000	U
91-58-7	2-Chloronaphthalene	10.000	U
88-74-4	2-Nitroaniline	50.000	U
131-11-3	Dimethylphthalate	0.400	J
208-96-8	Acenaphthylene	10.000	U
606-20-2	2,6-Dinitrotoluene	10.000	U

AR306537

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CBQ06 000103

ab Name: YORK LABS/CT Contract: 68-W8-0021

ab Code: YORK Case No.: 12512 SAS No.: SDG No.: CBQ02

atrix: (soil/water) WATER Lab Sample ID: 1496018

ample wt/vol: 1000 (g/mL) ML Lab File ID: >H5708

evel: (low/med) LOW Date Received: 08/24/89

Moisture: not dec. dec. Date Extracted: 08/25/89

xtraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 09/09/89

PC Cleanup: (Y/N) N pH: Dilution Factor: 1

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
99-09-2	3-Nitroaniline	50.000	U
83-32-9	Acenaphthene	10.000	U
51-28-5	2,4-Dinitrophenol	50.000	U
100-02-7	4-Nitrophenol	50.000	U
132-64-9	Dibenzofuran	10.000	U
121-14-2	2,4-Dinitrotoluene	10.000	U
84-66-2	Diethylphthalate	0.300	J
7005-72-3	4-Chlorophenyl-phenylether	10.000	U
86-73-7	Fluorene	10.000	U
100-01-6	4-Nitroaniline	50.000	U
534-52-1	4,6-Dinitro-2-methylphenol	50.000	U
86-30-6	N-Nitrosodiphenylamine (1)	10.000	U
101-55-3	4-Bromophenyl-phenylether	10.000	U
118-74-1	Hexachlorobenzene	10.000	U
87-86-5	Pentachlorophenol	50.000	U
85-01-8	Phenanthrene	10.000	U
120-12-7	Anthracene	10.000	U
84-74-2	Di-n-butylphthalate	0.900	J
206-44-0	Fluoranthene	10.000	U
129-00-0	Pyrene	10.000	U
85-68-7	Butylbenzylphthalate	10.000	U
91-94-1	3,3'-Dichlorobenzidine	20.000	U
56-55-3	Benzo(a)anthracene	10.000	U
218-01-9	Chrysene	10.000	U
117-81-7	bis(2-Ethylhexyl)phthalate	6.000	JB
117-84-0	Di-n-octylphthalate	10.000	U
205-99-2	Benzo(b)fluoranthene	10.000	U
207-08-9	Benzo(k)fluoranthene	10.000	U
50-32-8	Benzo(a)pyrene	10.000	U
193-39-5	Indeno(1,2,3-cd)pyrene	10.000	U
53-70-3	Dibenzo(a,h)anthracene	10.000	U
191-24-2	Benzo(g,h,i)perylene	10.000	U

(1) - Cannot be separated from Diphenylamine

1D

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CBQ06 000671

Name: YORK LABS/CT Contract: 68-W8-0021

Lab Code: YORK Case No.: 12512 SAS No.: _____ SDG No.: CBQ02

Matrix: (soil/water) WATER Lab Sample ID: 1496018

Sample wt/vol: 1000. (g/mL) ML Lab File ID: _____

Level: (low/med) LOW Date Received: 08/24/89

% Moisture: not dec. _____ dec. _____ Date Extracted: 08/25/89

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 09/01/89

GPC Cleanup: (Y/N) N pH: Dilution Factor: 1

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
319-84-6	alpha-BHC	0.050	U
319-85-7	beta-BHC	0.050	U
319-86-8	delta-BHC	0.050	U
58-89-9	gamma-BHC (Lindane)	0.050	U
76-44-8	Heptachlor	0.050	U
309-00-2	Aldrin	0.050	U
1024-57-3	Heptachlor epoxide	0.050	U
959-98-8	Endosulfan I	0.050	U
60-57-1	Dieldrin	0.10	U
72-55-9	4,4'-DDE	0.10	U
72-20-8	Endrin	0.10	U
33213-65-9	Endosulfan II	0.10	U
72-54-8	4,4'-DDD	0.10	U
1031-07-8	Endosulfan sulfate	0.10	U
50-29-3	4,4'-DDT	0.10	U
72-43-5	Methoxychlor	0.50	U
53494-70-5	Endrin ketone	0.10	U
5103-71-9	alpha-Chlordane	0.50	U
5103-74-2	gamma-Chlordane	0.50	U
8001-35-2	Toxaphene	1.0	U
12674-11-2	Aroclor-1016	0.50	U
11104-28-2	Aroclor-1221	0.50	U
11141-16-5	Aroclor-1232	0.50	U
53469-21-9	Aroclor-1242	0.50	U
12672-29-6	Aroclor-1248	0.50	U
11097-69-1	Aroclor-1254	1.0	U
11096-82-5	Aroclor-1260	1.0	U

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CBQ07

ab Name: YORK LABS/CT Contract: 68-W8-0021

ab Code: YORK Case No.: 12512 SAS No.: SDG No.: CBQ07

000128

atrix: (soil/water) WATER Lab Sample ID: 1496014

ample wt/vol: 1000 (g/mL) ML Lab File ID: >H5731

evel: (low/med) LOW Date Received: 08/23/89

Moisture: not dec. dec. Date Extracted: 08/24/89

xtraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 09/11/89

PC Cleanup: (Y/N) N pH: Dilution Factor: 1

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	10.000	U
111-44-4	bis(2-Chloroethyl)ether	10.000	U
95-57-8	2-Chlorophenol	0.400	JB
541-73-1	1,3-Dichlorobenzene	10.000	U
106-46-7	1,4-Dichlorobenzene	10.000	U
100-51-6	Benzyl alcohol	10.000	U
95-50-1	1,2-Dichlorobenzene	10.000	U
95-48-7	2-Methylphenol	10.000	U
108-60-1	bis(2-Chloroisopropyl)ether	10.000	U
106-44-5	4-Methylphenol	10.000	U
621-64-7	N-Nitroso-di-n-propylamine	10.000	U
67-72-1	Hexachloroethane	10.000	U
98-95-3	Nitrobenzene	10.000	U
78-59-1	Isophorone	10.000	U
88-75-5	2-Nitrophenol	10.000	U
105-67-9	2,4-Dimethylphenol	10.000	U
65-85-0	Benzoic acid	50.000	U
111-91-1	bis(2-Chloroethoxy)methane	10.000	U
120-83-2	2,4-Dichlorophenol	10.000	U
120-82-1	1,2,4-Trichlorobenzene	10.000	U
91-20-3	Naphthalene	10.000	U
106-47-8	4-Chloroaniline	10.000	U
87-68-3	Hexachlorobutadiene	10.000	U
59-50-7	4-Chloro-3-methylphenol	10.000	U
91-57-6	2-Methylnaphthalene	10.000	U
77-47-4	Hexachlorocyclopentadiene	10.000	U
88-06-2	2,4,6-Trichlorophenol	10.000	U
95-95-4	2,4,5-Trichlorophenol	50.000	U
91-58-7	2-Chloronaphthalene	10.000	U
88-74-4	2-Nitroaniline	50.000	U
131-11-3	Dimethylphthalate	10.000	U
208-96-8	Acenaphthylene	10.000	U
606-20-2	2,6-Dinitrotoluene	10.000	U