UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION III
CENTRAL REGIONAL LABORATORY
839 BESTGATE ROAD
ANNAPOLIS, MARYLAND 21401- 3013
(410) 573 - 2799

ORIGINAL
(Red)

SDMS DocID 2198336

DATE : October 13, 1992

SUBJECT : Region III Data QA Review

FROM : Cynthia E. Caporale C. Caporale
Region III ESAT RPO (3ES31)

TO : Michael Taurino
Regional Project Manager (3HW73)

Attached is the organic data validation report for the Hoffman Landfill Site (Case 18347) completed by the Region III Environmental Services Assistance Team (ESAT) contractor under the direction of Region III ESD.

If you have any questions regarding this review, please call me.

Attachment

cc: Jennifer Woods, MD DOE
Edward Kantor, EMSL-LV
Regional CLP TPO: Tom Bennett Region: IV Lab Code: COMPU

TID File: 03920418 Task 1514

RECEIVED
OCT 20 1992
SITE ASSESSMENT
SECTION

Lockheed

Environmental Services Assistance Teams
Region 3

1419 Forest Drive, Suite 104
Annapolis, Maryland 21403

ORIGINAL (Red)

DATE: October 1, 1992

SUBJECT: Organic Data Validation For Case 18347
Site: Hoffman Landfill

FROM: Hari Prasad
Organic Data Reviewer

Mahboobeh Mecanic
Senior Oversight Chemist

TO: Cynthia E. Caporale
ESAT Regional Project Officer

THROUGH: Dale S. Boshart
ESAT Team Manager

OVERVIEW

Case 18347 consisted of twelve (12) aqueous and eleven (11) soil samples submitted to Compuchem Laboratories, Inc. for volatile, semivolatile and pesticide/PCB analyses. The aqueous samples included one (1) field duplicate pair and one (1) field blank and the soil samples included one (1) field duplicate pair. The samples were analyzed as a Contract Laboratory Program (CLP) Routine Analytical Service (RAS).

SUMMARY

The samples were successfully analyzed for all target compounds except a few compounds in the semivolatile fraction. All other instrument and method sensitivities were according to the Contract Laboratory Program (CLP) Routine Analytical Service (RAS) protocol.

MAJOR PROBLEMS

- In the semivolatile analyses, 3-nitroaniline had a relative response factor (RRF) less than 0.05 (< 0.05) in the initial calibration dated 6/15/92. The quantitation limits for this compound in the affected samples were qualified unusable ("R"). (See Table I in Appendix F.)

- In the semivolatile analyses, sample CKY32 had the recovery for the acid surrogate, 2,4,6-tribromophenol, less than 10% and the quantitation limits for its acid compounds were qualified unusable ("R"). (See FORM-II SV-2 in Appendix F.)

ORIGINAL (Red)

MINOR PROBLEMS

- The semivolatile extractions of samples CKY28, CKY31, CKY34, CKY35, CKY36 and CKY38 were performed thirteen (13) days and sample CKY29 seventeen (17) days from the date of sample collection. Although no technical holding time for the semivolatile extraction of soil samples has been established, the technical holding time of seven (7) days for the aqueous samples has been exceeded by six (6) and ten (10) days, respectively, in these samples. The aqueous sample holding time was applied and, therefore, the quantitation limits in these samples were qualified "UJ" and positive results were qualified "J", except when superseded by the "B" qualifier in the affected samples. (See Traffic Report in Appendix F.)

- Several compounds failed precision criteria in the volatile and semivolatile initial and continuing calibrations. The positive results were qualified "J" except when superseded by the "B" qualifier. The quantitation limits were qualified "UJ" when the QC limits were grossly exceeded (%RSD or %D greater than 50%), except for the acid compound 4-nitrophenol in the semivolatile fraction of sample CKY32, where it was superseded by the "R" qualifier. (See Table I in Appendix F.)

- During the pesticide/PCB analyses, positive results have been flagged "P" on Form I's when the %D between the two columns was greater than 25%. These results were qualified "J" on the data summary forms.

NOTES

- During the semivolatile analysis, sample CKY18MSD failed both surrogate and spike recovery criteria due to an extraction error and no reanalysis was performed. No action was taken. (See Case Narrative.)

- In the semivolatile analyses, aqueous samples CKY16, CKY19 and CKY20 had one (1) and sample CKY18 had two (2) (one acid and one base) surrogate recoveries above the QC limits and soil samples CKY32MS, CKY32MSD and CKY34 had one (1) surrogate recovery below the QC limit, but greater than 10%. No action was taken. (See FORM-II SV-1 and FORM-II SV-2 in Appendix F.)

- In the pesticide/PCB analyses, aqueous samples CKY14 and CKY26 and soil samples CKY30, CKY32 and CKY36 had one (1) each of their surrogate recoveries below the QC limits but greater than 10%. No action was taken. (See FORM II-PEST in Appendix F.)

- The maximum concentration of all compounds found in the analyses of the field and laboratory method blanks are listed below. Samples with concentrations of common

laboratory contaminants less than ten times (<10X) the blank concentration or with concentrations of other contaminants less than five times (<5X) the blank concentration, have been qualified "B" on the data summary forms.

COMPOUND	CONCENTRATION
methylene chloride*	30 µg/Kg
acetone*	31 µg/Kg
phenol	3 J µg/L
diethylphthalate*	1 J µg/L
butylbenzylphthalate*	6 J µg/L
bis(2-ethylhexyl)phthalate*	10 µg/L
methoxychlor	0.59 J µg/Kg

* Common Laboratory Contaminant

- Samples CKY16/CKY19 and CKY34/CKY38 were the field duplicate pairs analyzed in the aqueous and solid samples, respectively. Their results and precision estimates, excluding the blank contaminants, are listed in the table below:

COMPOUND	CONCENTRATION(µg/L) CKY16	CKY19	RPD
chloroform	4 J	4 J	0
	CONCENTRATION(µg/Kg) CKY34	CKY38	
fluoranthene	39 J	61 J	44
pyrene	ND	55 J	IN
benzo(b)fluoranthene	ND	61 J	IN
benzo(a)pyrene	ND	61 J	IN
gamma-BHC	0.13 J	ND	IN
heptachlor	ND	0.094 J	IN
aldrin	0.58 J	0.37 J	44
heptachlor epoxide	0.30 J	0.26 J	14
endosulfan I	0.40 J	0.34 J	16
dieldrin	ND	0.33 J	IN
endrin	0.59 J	0.56 J	5
endosulfan II	0.31 J	ND	IN
4,4'-DDD	ND	1.3 J	IN
endrin ketone	0.15 J	ND	IN
alpha-chlordane	0.55 J	0.48 J	14
gamma-chlordane	0.67 J	0.51 J	27

RPD = Relative Percent Difference
ND = Not Detected
IN = Indeterminate

 ORIGINAL (Red)

- Non-spiked compounds other than blank contaminants were detected in the pesticide/PCB analyses of samples CKY18, CKY32 and their matrix spike/matrix spike duplicate recoveries. Their results and precision estimates are as follows:

COMPOUND	CONCENTRATION (µg/L)			%RSD
	CKY18	CKY18MS	CKY18MSD	
endrin ketone	ND	0.0099 J	0.0074 J	24

	CONCENTRATION (µg/Kg)			
	CKY32	CKY32MS	CKY32MSD	
benzo(b)fluoranthene	ND	ND	48 J	IN
benzo(k)fluoranthene	ND	ND	48 J	IN
delta-BHC	ND	0.093 J	0.22 J	81+
heptachlor epoxide	ND	0.21 J	ND	IN
endrin ketone	0.66 J	ND	1.2 J	58+
benzo(b)fluoranthene	ND	ND	48 J	IN
benzo(k)fluoranthene	ND	ND	48 J	IN

%RSD = Percent Relative Standard Deviation
+ = RPD instead of %RSD
ND = Not Detected
IN = indeterminate

- In the semivolatile and pesticide/PCB analyses of soil samples, GPC cleanup was performed. The dilution factor of two (2) required by this procedure was accounted for in the analytical procedures used by the laboratory and, therefore, is not reflected in the data summary forms.

- Sample weights other than thirty (30) grams were used in the semivolatile and pesticide/PCB analyses of several soil samples. The dilution factors on the data summary forms have been changed to reflect this variance, when significant.

- During the semivolatile analyses of samples CKY29 and CKY38 benzo(b/k)fluoranthene isomers coeluted and their results have been flagged "X" on Form I's. (See case narrative in Appendix F.)

- Tentatively Identified Compounds (TIC's) in Appendix D were reviewed and corrected during data validation. Several early eluting TICs were found during the semivolatile analyses due to the use of contaminated methylene chloride. Compounds identified as solvents, laboratory artifacts or blank contaminants were crossed of the TIC Form I's. (See case narrative in Appendix F.)

ORIGINAL (Red)

All data for case 18347 were reviewed in accordance with the Functional Guidelines for Evaluating Organic Analyses with Modifications for use within Region III. 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.

HP029A02.HOF

ORIGINAL (Red)

Appendix A

Glossary of Data Qualifiers

ORIGINAL (Red)

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.

ORIGINAL (Red)

Appendix B

Data Summary Forms

DATA SUMMARY FORM: VOLATILES 1

Site Name: HOFFMAN LANDFILL

WATER SAMPLES (µg/L)

Case #: 18347 Sampling Date(s): 6/23/92

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

CRQL	COMPOUND	CKY14		CKY15		CKY16		CKY17		CKY18		CKY19		CKY20		CKY22		CKY23	
	Sample No.	CKY14		CKY15		CKY16		CKY17		CKY18		CKY19		CKY20		CKY22		CKY23	
	Dilution Factor	1.0		1.0		1.0		1.0		1.0		1.0		1.0		1.0		1.0	
	Location	BLK1 Field Blank		GW1		GW2 Field Dup of CKY19		GW3		GW4		GW5 Field Dup of CKY16		GW6		SW1		SW2	
10	Chloromethane				UJ		UJ												
10	Bromomethane																		
10	*Vinyl Chloride													2	J				
10	Chloroethane																		
10	*Methylene Chloride	22	B	1	B	3	B	4	B	6	B	6	B	3	B	5	B	5	B
10	Acetone	15	B			15	B	9	B	12	B	15	B			12	B	12	B
10	Carbon Disulfide															1	J		J
10	*1,1-Dichloroethene																		
10	1,1-Dichloroethane																		
10	*Total 1,2-Dichloroethene																		
10	Chloroform					4	J					4	J						
10	*1,2-Dichloroethane																		
10	*2-Butanone																		
10	*1,1,1-Trichloroethane																		
10	*Carbon Tetrachloride																		
10	Bromodichloromethane																		

CRQL = Contract Required Quantitation Limit

DATA SUMMARY FORM: VOLATILES 2

Site Name: HOFFMAN LANDFILL

WATER SAMPLES (µg/L)

Case #: 18347 Sampling Date(s): 6/23/92

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

CRQL	COMPOUND	CKY14		CKY15		CKY16		CKY17		CKY18		CKY19		CKY20		CKY22		CKY23	
	Sample No.	CKY14		CKY15		CKY16		CKY17		CKY18		CKY19		CKY20		CKY22		CKY23	
	Dilution Factor	1.0		1.0		1.0		1.0		1.0		1.0		1.0		1.0		1.0	
	Location	BLK1 Field Blank		GW1		GW2 Field Dup. of CKY19		GW3		GW4		GW5 Field Dup. of CKY16		GW6		SW1		SW2	
10	*1,2-Dichloropropane																		
10	Cis-1,3-Dichloropropane																		
10	Trichloroethene																		
10	Dibromochloromethane																		
10	1,1,2-Trichlorethane																		
10	*Benzene																		
10	Trans-1,3-Dichloropropene																		
10	Bromoform																		
10	4-Methyl-2-pentanone				VJ		VJ												
10	2-Hexanone																		
10	*Tetrachloroethene																		
10	1,1,2,2-Tetrachloroethane																		
10	*Toluene																		
10	*Chlorobenzene																		
10	*Ethylbenzene																		
10	*Styrene																		
10	*Total Xylenes																		

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

revised 07/90

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

Site Name: HOFFMAN LANDFILL

WATER SAMPLES (µg/L)

Case #: 18347 Sampling Date(s): 6/23/92

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

CRQL	COMPOUND	CKY24		CKY25		CKY26													
	Sample No.	CKY24		CKY25		CKY26													
	Dilution Factor	1.0		1.0		1.0													
	Location	SW3		SW4		LT1													
10	Chloromethane																		
10	Bromomethane																		
10	*Vinyl Chloride																		
10	Chloroethane																		
10	*Methylene Chloride	10	B	3	B	5	B												
10	Acetone	17	B	11	B	9	B												
10	Carbon Disulfide																		
10	*1,1-Dichloroethene																		
10	1,1-Dichloroethane																		
10	*Total 1,2-Dichloroethene																		
10	Chloroform																		
10	*1,2-Dichloroethane																		
10	*2-Butanone																		
10	*1,1,1-Trichloroethane																		
10	*Carbon Tetrachloride																		
10	Bromodichloromethane																		

CRQL = Contract Required Quantitation Limit

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

Site Name: HOFFMAN LANDFILL

WATER SAMPLES (µg/L)

Case #: 18347 Sampling Date(s): 6/23/92

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

CRQL	COMPOUND	CKY24	CKY25	CKY26						
	Sample No.	CKY24	CKY25	CKY26						
	Dilution Factor	1.0	1.0	1.0						
	Location	SW3	SW4	LT1						
10	*1,2-Dichloropropane									
10	Cis-1,3-Dichloropropane									
10	Trichloroethene									
10	Dibromochloromethane									
10	1,1,2-Trichlorethane									
10	*Benzene									
10	Trans-1,3-Dichloropropene									
10	Bromoform									
10	4-Methyl-2-pentanone									
10	2-Hexanone									
10	*Tetrachloroethene									
10	1,1,2,2-Tetrachloroethane									
10	*Toluene									
10	*Chlorobenzene									
10	*Ethylbenzene									
10	*Styrene									
10	*Total Xylenes									

CRQL = Contract Required Quantitation Limit

*Action Level Exists

SEE NARRATIVE FOR CODE DEFINITIONS

revised 07/90

DATA SUMMARY FORM: VOLATILES 1

Site Name: HOFFMAN LANDFILL

SOIL SAMPLES (µg/Kg)

Case #: 18347 Sampling Date(s): 6/23/92

To calculate sample quantitation limit: (CRQL * Dilution Factor) / ((100 - % moisture)/100)

CRQL	COMPOUND	CKY28		CKY29		CKY30		CKY31		CKY32		CKY33		CKY34		CKY35		CKY36	
	Sample No.	CKY28		CKY29		CKY30		CKY31		CKY32		CKY33		CKY34		CKY35		CKY36	
	Dilution Factor	1.0		1.0		1.0		1.0		1.0		1.0		1.0		1.0		1.0	
	% Moisture	19		17		40		23		18		11		13		3		10	
	Location	SFD1		SFD2		SFD3		SFD4		S1		S2		Field Dup. of CKY38					
10	Chloromethane																		
10	Bromomethane																		
10	Vinyl Chloride																		
10	Chloroethane																		
10	Methylene Chloride	30	B	78	B	84	B	100	B	33	B	31	B	48	B	87	B	43	B
10	Acetone	20	B	32	B	42	B	110	B	23	B	23	B	27	B	27	B	62	B
10	Carbon Disulfide																		
10	1,1-Dichloroethene																		
10	1,1-Dichloroethane																		
10	Total 1,2-Dichloroethene																		
10	Chloroform																		
10	1,2-Dichloroethane																		
10	2-Butanone																		
10	1,1,1-Trichloroethane																		
10	Carbon Tetrachloride																		
10	Bromodichloromethane																		

ORIGINAL (Red)

CRQL = Contract Required Quantitation Limit

SEE NARRATIVE FOR CODE DEFINITIONS

revised 07/90

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

Site Name: HOFFMAN LANDFILL

SOIL SAMPLES
(µg/Kg)

Case #: 18347 Sampling Date(s): 6/23/92

To calculate sample quantitation limit:
(CRQL * Dilution Factor) / ((100 - % moisture)/100)

	Sample No.	CKY28	CKY29	CKY30	CKY31	CKY32	CKY33	CKY34	CKY35	CKY36
	Dilution Factor	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
	% Moisture	19	17	40	23	18	11	13	3	10
	Location	SFD1	SFD2	SFD3	SFD4	S1	S2	Field Dup. of CKY38		
CRQL	COMPOUND									
10	1,2-Dichloropropane									
10	Cis-1,3-Dichloropropene									
10	Trichloroethene									
10	Dibromochloromethane									
10	1,1,2-Trichloroethane									
10	Benzene									
10	Trans-1,3-Dichloropropene									
10	Bromoform									
10	4-Methyl-2-pentanone									
10	2-Hexanone									
10	Tetrachloroethene									
10	1,1,2,2,-Tetrachloroethane									
10	Toluene	1 J								
10	Chlorobenzene									
10	Ethylbenzene									
10	Styrene									
10	Total Xylenes									

CRQL = Contract Required Quantitation Limit

SEE NARRATIVE FOR CODE DEFINITIONS

revised 07/90

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

Site Name: HOFFMAN LANDFILL

SOIL SAMPLES (µg/Kg)

Case #: 18347 Sampling Date(s): 6/23/92

To calculate sample quantitation limit: (CRQL * Dilution Factor) / ((100 - % moisture)/100)

	Sample No.	CK437		CK438																	
	Dilution Factor	1.0		1.0																	
	% Moisture	8		12																	
	Location			Field Dup. of CK434																	
CRQL	COMPOUND																				
10	Chloromethane																				
10	Bromomethane																				
10	Vinyl Chloride																				
10	Chloroethane																				
10	Methylene Chloride	33	B	98	B																
10	Acetone	21	B	35	B																
10	Carbon Disulfide																				
10	1,1-Dichloroethene																				
10	1,1-Dichloroethane																				
10	Total 1,2-Dichloroethene																				
10	Chloroform																				
10	1,2-Dichloroethane																				
10	2-Butanone																				
10	1,1,1-Trichloroethane																				
10	Carbon Tetrachloride																				
10	Bromodichloromethane																				

ORIGINAL (Red)

CRQL = Contract Required Quantitation Limit

SEE NARRATIVE FOR CODE DEFINITIONS

revised 07/90

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

Site Name: HOFFMAN LANDFILL

SOIL SAMPLES
(µg/Kg)

Case #: 18347 Sampling Date(s): 6/23/92

To calculate sample quantitation limit:
(CRQL * Dilution Factor) / ((100 - % moisture)/100)

CRQL	COMPOUND	CKY37	CKY38																		
	Sample No.	CKY37	CKY38																		
	Dilution Factor	1.0	1.0																		
	% Moisture	8	12																		
	Location		Field Dup. of CKY34																		
10	1,2-Dichloropropane																				
10	Cis-1,3-Dichloropropene																				
10	Trichloroethene																				
10	Dibromochloromethane																				
10	1,1,2-Trichloroethane																				
10	Benzene																				
10	Trans-1,3-Dichloropropene																				
10	Bromoform																				
10	4-Methyl-2-pentanone																				
10	2-Hexanone																				
10	Tetrachloroethene																				
10	1,1,2,2,-Tetrachloroethane																				
10	Toluene																				
10	Chlorobenzene																				
10	Ethylbenzene																				
10	Styrene																				
10	Total Xylenes																				

ORIGINAL Red

CRQL = Contract Required Quantitation Limit

SEE NARRATIVE FOR CODE DEFINITIONS

revised 07/90

DATA SUMMARY FORM: B N A S 1

Site Name: HOFFMAN LANDFILL

WATER SAMPLES
(µg/L)

Case #: 18347 Sampling Date(s): 6/23/92

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

CRQL	COMPOUND	CKY14		CKY15		CKY16		CKY17		CKY18		CKY19		CKY20		CKY22		CKY23	
	Sample No.	CKY14		CKY15		CKY16		CKY17		CKY18		CKY19		CKY20		CKY22		CKY23	
	Dilution Factor	1.0		1.0		1.0		1.0		1.0		1.0		1.0		1.0		1.0	
	Location	BLK1 Field Blank		GW1		GW2 Field Dup of CKY19		GW3		GW4		GW5 Field Dup of CKY16		GW6		SW1		SW2	
10	Phenol															2	B		
10	bis(2-Chloroethyl)ether																		
10	2-Chlorophenol																		
10	*1,3-Dichlorobenzene																		
10	*1,4-Dichlorobenzene																		
10	1,2-Dichlorobenzene																		
10	2-Methylphenol																		
10	2,2'-Oxybis(1-chloropropane)																		
10	4-Methylphenol																		
10	N-Nitroso-di-n-propylamine																		
10	Hexachloroethane																		
10	Nitrobenzene																		
10	Isophorone																		
10	2-Nitrophenol																		
10	2,4-Dimethylphenol																		
10	bis(2-Chloroethoxy)methane																		
10	2,4-Dichlorophenol																		
10	1,2,4-Trichlorobenzene																		
10	Naphthalene																		
10	4-Chloroaniline		UJ		UJ		UJ		UJ		UJ		UJ		UJ		UJ		UJ

CRQL = Contract Required Quantitation Limit

DATA SUMMARY FORM: B N A S 2

WATER SAMPLES
(µg/L)

te Name: HOFFMAN LANDFILL

se #: 18347 Sampling Date(s): 6/23/92

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

	Sample No.	CKY14	CKY15	CKY16	CKY17	CKY18	CKY19	CKY20	CKY22	CKY23
	Dilution Factor	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
	Location	BLK1	GW1	GW2	GW3	GW4	GW5	GW6	SW1	SW2
		Field Blank		Field Dup of CKY19			Field Dup. of CKY16			
CRQL	COMPOUND									
10	Hexachlorobutadiene									
10	4-Chloro-3-methylphenol									
10	2-Methylnaphthalene									
10	Hexachlorocyclopentadiene									
10	2,4,6-Trichlorophenol									
25	2,4,5-Trichlorophenol									
10	2-Chloronaphthalene									
25	2-Nitroaniline									
10	Dimethylphthalate									
10	Acenaphthylene									
10	2,6-Dinitrotoluene									
25	3-Nitroaniline									
10	Acenaphthene									
25	2,4-Dinitrophenol									
25	4-Nitrophenol									
10	Dibenzofuran									
10	2,4-Dinitrotoluene									
10	Diethylphthalate									
10	4-Chlorophenyl-phenylether									
10	Fluorene									
25	4-Nitroaniline									
25	4,6-Dinitro-2-methylphenol									

RQL = Contract Required Quantitation Limit

SEE NARRATIVE FOR CODE DEFINITIONS

revised 07/90

DATA SUMMARY FORM: B N A S 3

te Name: HOFFMAN LANDFILL

WATER SAMPLES (µg/L)

se #: 18347 Sampling Date(s): 6/23/92

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

CRQL	COMPOUND	CKY14		CKY15		CKY16		CKY17		CKY18		CKY19		CKY20		CKY22		CKY23	
	Dilution Factor	1.0		1.0		1.0		1.0		1.0		1.0		1.0		1.0		1.0	
	Location	BLK1 Field Blank		GW1		GW2 Field Dup of CKY19		GW3		GW4		GW5 Field Dup of CKY16		GW6		SW1		SW2	
10	N-Nitrosodiphenylamine																		
10	4-Bromophenyl-phenylether																		
10	*Hexachlorobenzene																		
25	*Pentachlorophenol																		
10	Phenanthrene																		
10	Anthracene																		
10	Carbazole																		
10	Di-n-butylphthalate																		
10	Fluoranthene																		
10	Pyrene																		
10	Butylbenzylphthalate																		
10	3,3'-Dichlorobenzidine																		
10	Benzo(a)anthracene																		
10	Chrysene																		
10	bis(2-Ethylhexyl)phthalate	2	B	2	B	1	B	3	B	3	B	2	B	6	B	6	B	3	B
10	Di-n-octylphthalate																		
10	Benzo(b)fluoranthene																		
10	Benzo(k)fluroanthene																		
10	Benzo(a)pyrene																		
10	Indeno(1,2,3-cd)pyrene																		
10	Dibenz(a,h)anthracene																		
10	Benzo(g,h,i)perylene																		

ORIGINAL (Red)

RQL = Contract Required Quantitation Limit

DATA SUMMARY FORM: B N A S 1

Site Name: HOFFMAN LANDFILL

WATER SAMPLES
(µg/L)

Case #: 18347 Sampling Date(s): 6/23/92

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

CRQL	COMPOUND	CKY24	CKY25	CKY26						
	Sample No.	CKY24	CKY25	CKY26						
	Dilution Factor	1.0	1.0	1.0						
	Location	SW3	SW4	LT1						
10	Phenol									
10	bis(2-Chloroethyl)ether									
10	2-Chlorophenol									
10	*1,3-Dichlorobenzene									
10	*1,4-Dichlorobenzene									
10	1,2-Dichlorobenzene									
10	2-Methylphenol									
10	2,2'-Oxybis(1-chloropropane)									
10	4-Methylphenol									
10	N-Nitroso-di-n-propylamine									
10	Hexachloroethane									
10	Nitrobenzene									
10	Isophorone									
10	2-Nitrophenol									
10	2,4-Dimethylphenol									
10	bis(2-Chloroethoxy)methane									
10	2,4-Dichlorophenol									
10	1,2,4-Trichlorobenzene									
10	Naphthalene									
10	4-Chloroaniline									

CRQL = Contract Required Quantitation Limit

DATA SUMMARY FORM: B N A S 2

ite Name: HOFFMAN LANDFILL

WATER SAMPLES
(µg/L)

ase #: 18347 Sampling Date(s): 6/23/92

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

CRQL	COMPOUND	CKY24		CKY25		CKY26											
	Sample No.	CKY24		CKY25		CKY26											
	Dilution Factor	1.0		1.0		1.0											
	Location	SW3		SW4		LT1											
10	Hexachlorobutadiene																
10	4-Chloro-3-methylphenol																
10	2-Methylnaphthalene																
10	Hexachlorocyclopentadiene																
10	2,4,6-Trichlorophenol																
25	2,4,5-Trichlorophenol																
10	2-Chloronaphthalene																
25	2-Nitroaniline																
10	Dimethylphthalate																
10	Acenaphthylene																
10	2,6-Dinitrotoluene																
25	3-Nitroaniline		R		R		R										
10	Acenaphthene																
25	2,4-Dinitrophenol																
25	4-Nitrophenol																
10	Dibenzofuran																
10	2,4-Dinitrotoluene																
10	Diethylphthalate																
10	4-Chlorophenyl-phenylether																
10	Fluorene																
25	4-Nitroaniline																
25	4,6-Dinitro-2-methylphenol																

CRQL = Contract Required Quantitation Limit

SEE NARRATIVE FOR CODE DEFINITIONS

revised 07/90

DATA SUMMARY FORM: B N A S 3

te Name: HOFFMAN LANDFILL

WATER SAMPLES
(µg/L)

se #: 18347 Sampling Date(s): 6/23/92

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

CRQL	COMPOUND	CKY24		CKY25		CKY26													
	Sample No.	CKY24		CKY25		CKY26													
	Dilution Factor	1.0		1.0		1.0													
	Location	SW3		SW4		LT1													
10	N-Nitrosodiphenylamine																		
10	4-Bromophenyl-phenylether																		
10	*Hexachlorobenzene																		
25	*Pentachlorophenol																		
10	Phenanthrene																		
10	Anthracene																		
10	Carbazole																		
10	Di-n-butylphthalate																		
10	Fluoranthene																		
10	Pyrene																		
10	Butylbenzylphthalate																		
10	3,3'-Dichlorobenzidine		UJ		UJ		UJ												
10	Benzo(a)anthracene																		
10	Chrysene																		
10	bis(2-Ethylhexyl)phthalate	3	B	1	B	2	B												
10	Di-n-octylphthalate																		
10	Benzo(b)fluoranthene																		
10	Benzo(k)fluroanthene																		
10	Benzo(a)pyrene																		
10	Indeno(1,2,3-cd)pyrene																		
10	Dibenz(a,h)anthracene																		
10	Benzo(g,h,i)perylene																		

RQL = Contract Required Quantitation Limit

DATA SUMMARY FORM: B N A S 1

Site Name: HOFFMAN LANDFILL

SOIL SAMPLES (µg/Kg)

Case #: 18347 Sampling Date: 6/23/92

To calculate sample quantitation limit: (CRQL * Dilution Factor) / ((1 - % moisture)/100)

	Sample No.	CKY28	CKY29	CKY30	CKY31	CKY32	CKY33	CKY34	CKY35	CKY36
	Dilution Factor	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
	% Moisture	19	17	40	23	18	11	13	3	10
	Location	SFD1	SFD2	SFD3	SFD4	S1	S2	S3 Field Dup. of CKY38	S4	S5
CRQL	COMPOUND									
330	Phenol	UJ			UJ			UJ	UJ	UJ
330	bis(2-Chloroethyl)ether									
330	2-Chlorophenol									
330	1,3-Dichlorobenzene									
330	1,4-Dichlorobenzene									
330	1,2-Dichlorobenzene									
330	2-Methylphenol									
330	2,2'-Oxybis(1-chloropropane)			UJ		UJ	UJ			
330	4-Methylphenol			62 J						
330	N-Nitroso-di-n-propylamine									
330	Hexachloroethane									
330	Nitrobenzene									
330	Isophorone									
330	2-Nitrophenol									
330	2,4-Dimethylphenol									
330	bis(2-Chloroethoxy)methane									
330	2,4-Dichlorophenol									
330	1,2,4-Trichlorobenzene									
330	Naphthalene									
330	4-Chloroaniline									

CRQL = Contract Required Quantitation Limit

SEE NARRATIVE FOR CODE DEFINITIONS

revised 07/90

DATA SUMMARY FORM: B N A S 2

ite Name: HOFFMAN LANDFILL

SOIL SAMPLES
(µg/Kg)

ase #: 18347 Sampling Date(s): 6/23/92

To calculate sample quantitation limit:
(CRQL * Dilution Factor) / ((100 - % moisture)/100)

CRQL	COMPOUND	CKY28		CKY29		CKY30		CKY31		CKY32		CKY33		CKY34		CKY35		CKY36	
	Sample No.	CKY28		CKY29		CKY30		CKY31		CKY32		CKY33		CKY34		CKY35		CKY36	
	Dilution Factor	1.0		1.0		1.0		1.0		1.0		1.0		1.0		1.0		1.0	
	% Moisture	19		17		40		23		18		11		13		3		10	
	Location	SFD1		SFD2		SFD3		SFD4		S1		S2		S3		S4		S5	
														Field Dup. of CKY38					
330	Hexachlorobutadiene		UJ						UJ						UJ		UJ		UJ
330	4-Chloro-3-methylphenol																		
330	2-Methylnaphthalene			92	J														
330	Hexachlorocyclopentadiene																		
330	2,4,6-Trichlorophenol																		
800	2,4,5-Trichlorophenol																		
330	2-Chloronaphthalene																		
800	2-Nitroaniline																		
330	Dimethylphthalate																		
330	Acenaphthylene																		
330	2,6-Dinitrotoluene																		
800	3-Nitroaniline																		
330	Acenaphthene																		
800	2,4-Dinitrophenol																		
800	4-Nitrophenol																		
330	Dibenzofuran																		
330	2,4-Dinitrotoluene																		
330	Diethylphthalate																		
330	4-Chlorophenyl-phenylether																		
330	Fluorene																		
800	4-Nitroaniline						UJ				UJ		UJ						
800	4,6-Dinitro-2methylphenol		V						V						V		V		V

ORIGINAL (Red)

CRQL = Contract Required Quantitation Limit

SEE NARRATIVE FOR CODE DEFINITIONS

revised 07/90

DATA SUMMARY FORM: B N A S 3

Site Name: HOFFMAN LANDFILL

SOIL SAMPLES (µg/Kg)

Case #: 18347 Sampling Date(s): 6/23/92

To calculate sample quantitation limit: (CRQL * Dilution Factor) / ((100 - % moisture)/100)

	Sample No.	CKY28		CKY29		CKY30		CKY31		CKY32		CKY33		CKY34		CKY35		CKY36	
	Dilution Factor	1.0		1.0		1.0		1.0		1.0		1.0		1.0		1.0		1.0	
	% Moisture	19		17		40		23		18		11		13		3		10	
	Location	SFD1		SFD2		SFD3		SFD4		S1		S2		S3 Field Dup. of CKY38		S4		S5	
CRQL	COMPOUND																		
330	N-Nitrosodiphenylamine		UJ						UJ						UJ		UJ		UJ
330	4-Bromophenyl-phenylether																		
330	Hexachlorobenzene																		
800	Pentachlorophenol																		
330	Phenanthrene			130	J	56	J									47	J		
330	Anthracene																UJ		
330	Carbazole																		
330	Di-n-butylphthalate																		
330	Fluoranthene			120	J									39	J				
330	Pyrene			85	J										UJ				
330	Butylbenzylphthalate			46	B	240	B			180	B	160	B						
330	3,3'-Dichlorobenzidine																		
330	Benzo(a)anthracene			110	J														
330	Chrysene			120	J														
330	bis(2-Ethylhexyl)phthalate			93	B							38	B						
330	Di-n-octylphthalate																		
330	Benzo(b)fluoranthene			250	J														
330	Benzo(k)fluoranthene			250	J														
330	Benzo(a)pyrene			120	J														
330	Indeno(1,2,3-cd)pyrene			64	J														
330	Dibenz(a,h)anthracene																		
330	Benzo(g,h)perylene																		

CRQL = Contract Required Quantitation Limit

SEE NARRATIVE FOR CODE DEFINITIONS

revised 07/90

DATA SUMMARY FORM: B N A S 1

SOIL SAMPLES
(µg/Kg)

Site Name: HOFFMAN LANDFILL

Case #: 18347 Sampling Date: 6/23/92

To calculate sample quantitation limit:
(CRQL * Dilution Factor) / ((1 - % moisture)/100)

CRQL	COMPOUND	CK437		CK438															
	Sample No.	CK437		CK438															
	Dilution Factor	1.0		1.0															
	% Moisture	8		12															
	Location	S6		S7 Field Dup. of CK434															
330	Phenol				UJ														
330	bis(2-Chloroethyl)ether																		
330	2-Chlorophenol																		
330	1,3-Dichlorobenzene																		
330	1,4-Dichlorobenzene																		
330	1,2-Dichlorobenzene																		
330	2-Methylphenol																		
330	2,2'-Oxybis(1-chloropropane)		UJ																
330	4-Methylphenol																		
330	N-Nitroso-di-n-propylamine																		
330	Hexachloroethane																		
330	Nitrobenzene																		
330	Isophorone																		
330	2-Nitrophenol																		
330	2,4-Dimethylphenol																		
330	bis(2-Chloroethoxy)methane																		
330	2,4-Dichlorophenol																		
330	1,2,4-Trichlorobenzene																		
330	Naphthalene																		
330	4-Chloroaniline																		

CRQL = Contract Required Quantitation Limit

SEE NARRATIVE FOR CODE DEFINITIONS

revised 07/90

DATA SUMMARY FORM: B N A S 2

Site Name: HOFFMAN LANDFILL

SOIL SAMPLES
(µg/Kg)

Case #: 18347 Sampling Date(s): 6/23/92

To calculate sample quantitation limit:
(CRQL * Dilution Factor) / ((100 - % moisture)/100)

CRQL	COMPOUND	CK437		CK438															
	Sample No.	CK437		CK438															
	Dilution Factor	1.0		1.0															
	% Moisture	8		12															
	Location	S6		S7 Field Dup. of CK434															
330	Hexachlorobutadiene				UJ														
330	4-Chloro-3-methylphenol																		
330	2-Methylnaphthalene																		
330	Hexachlorocyclopentadiene																		
330	2,4,6-Trichlorophenol																		
800	2,4,5-Trichlorophenol																		
330	2-Chloronaphthalene																		
800	2-Nitroaniline																		
330	Dimethylphthalate																		
330	Acenaphthylene																		
330	2,6-Dinitrotoluene																		
800	3-Nitroaniline																		
330	Acenaphthene																		
800	2,4-Dinitrophenol																		
800	4-Nitrophenol																		
330	Dibenzofuran																		
330	2,4-Dinitrotoluene																		
330	Diethylphthalate																		
330	4-Chlorophenyl-phenylether																		
330	Fluorene																		
800	4-Nitroaniline		UJ																
800	4,6-Dinitro-2methylphenol																		

CRQL = Contract Required Quantitation Limit

SEE NARRATIVE FOR CODE DEFINITIONS

revised 07/90

DATA SUMMARY FORM: B N A S 3

SOIL SAMPLES
(µg/Kg)

ite Name: HOFFMAN LANDFILL

ase #: 18347 Sampling Date(s): 6/23/92

To calculate sample quantitation limit:
(CRQL * Dilution Factor) / ((100 - % moisture)/100)

	Sample No.	CK437	CK438							
	Dilution Factor	1.0	1.0							
	% Moisture	8	12							
	Location	S6	S7							
			Field Dup of CK434							
CRQL	COMPOUND									
330	N-Nitrosodiphenylamine		UJ							
330	4-Bromophenyl-phenylether		↓							
330	Hexachlorobenzene		↓							
800	Pentachlorophenol		↓							
330	Phenanthrene		↓							
330	Anthracene		↓							
330	Carbazole		↓							
330	Di-n-butylphthalate		↓							
330	Fluoranthene		61 J							
330	Pyrene		55 J							
330	Butylbenzylphthalate	130 B	↓							
330	3,3'-Dichlorobenzidine		↓							
330	Benzo(a)anthracene		↓							
330	Chrysene		↓							
330	bis(2-Ethylhexyl)phthalate		↓							
330	Di-n-octylphthalate		↓							
330	Benzo(b)fluoranthene		61 J							
330	Benzo(k)fluoranthene		61 J							
330	Benzo(a)pyrene		UJ							
330	Indeno(1,2,3-cd)pyrene		↓							
330	Dibenz(a,h)anthracene		↓							
330	Benzo(g,h)perylene		↓							

CRQL = Contract Required Quantitation Limit

SEE NARRATIVE FOR CODE DEFINITIONS

revised 07/90

DATA SUMMARY FORM: PESTICIDES AND PCBs

WATER SAMPLES
(µg/L)

Site Name: HOFFMAN LANDFILL

Case #: 18347 Sampling Date(s): 6/23/92

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

CRQL	COMPOUND	CKY14	CKY15	CKY16	CKY17	CKY18	CKY19	CKY20	CKY22	CKY23
	Dilution Factor	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
	Location	BLK1	GW1	GW2	GW3	GW4	GW5	GW6	SW1	SW2
		Field Blank		Field Dup. of CKY19			Field Dup. of CKY16			
0.05	alpha-BHC									
0.05	beta-BHC									
0.05	delta-BHC									
0.05	*gamma-BHC (Lindane)					0.0039 J		0.0099 J		
0.05	*Heptachlor									
0.05	Aldrin									
0.05	Heptachlor Epoxide									
0.05	Endosulfan I									
0.10	Dieldrin									
0.10	4,4'-DDE									
0.10	*Endrin									
0.10	Endosulfan II									
0.10	4,4'-DDD									
0.10	Endosulfan Sulfate									
0.10	4,4'-DDT									
0.50	*Methoxychlor									
0.10	Endrin Ketone									
0.50	*alpha-Chlordane									
0.50	*gamma-Chlordane									
1.0	*Toxaphene									
0.50	*Aroclor-1016									
0.50	*Aroclor-1221									
0.50	*Aroclor-1232									
0.50	*Aroclor-1242									
0.50	*Aroclor-1248									
1.0	*Aroclor-1254									
1.0	*Aroclor-1260									
0.10	Endrin Aldehyde									

CRQL = Contract Required Quantitation Limit

Action Level Exists

SEE NARRATIVE FOR CODE DEFINITION

revised 07/9

DATA SUMMARY FORM: PESTICIDES AND PCBs

ite Name: HOFFMAN LANDFILL

ase #: 18347 Sampling Date(s): 6/23/92

WATER SAMPLES
(µg/L)

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

	Sample No.	CKY24	CKY25	CKY26						
	Dilution Factor	1.0	1.0	1.0						
	Location	SW3	SW4	LT1						
CRQL	COMPOUND									
0.05	alpha-BHC									
0.05	beta-BHC									
0.05	delta-BHC									
0.05	*gamma-BHC (Lindane)									
0.05	*Heptachlor									
0.05	Aldrin									
0.05	Heptachlor Epoxide									
0.05	Endosulfan I									
0.10	Dieldrin									
0.10	4,4'-DDE									
0.10	*Endrin									
0.10	Endosulfan II									
0.10	4,4'-DDD									
0.10	Endosulfan Sulfate			0.0082 J						
0.10	4,4'-DDT									
0.50	*Methoxychlor			0.019 B						
0.10	Endrin Ketone									
0.50	*alpha-Chlordane									
0.50	*gamma-Chlordane									
1.0	*Toxaphene									
0.50	*Aroclor-1016									
0.50	*Aroclor-1221									
0.50	*Aroclor-1232									
0.50	*Aroclor-1242									
0.50	*Aroclor-1248									
1.0	*Aroclor-1254									
1.0	*Aroclor-1260									
0.10	Endrin Aldehyde									

CRQL = Contract Required Quantitation Limit

Action Level Exists

SEE NARRATIVE FOR CODE DEFINITION

revised 07/9

DATA SUMMARY FORM: PESTICIDES AND PCB'S

Site Name: HOFFMAN LANDFILL

SOIL SAMPLES (µg/Kg)

Case #: 18347 Sampling Date(s): 6/23/92

To calculate sample quantitation limit: (CRQL * Dilution Factor) / ((100 - % moisture)/100)

	Sample No.	CKY28		CKY29		CKY30		CKY31		CKY32		CKY33		CKY34		CKY35		CKY36	
	Dilution Factor	1.0		1.0		1.0		1.0		1.0		1.0		1.0		1.0		1.0	
	% Moisture	19		17		40		23		18		11		13		3		10	
	Location	SFD1		SFD2		SFD3		SFD4		S1		S2		S3		S4		S5	
														Field Dup of CKY38					
CRQL	COMPOUND																		
1.7	alpha-BHC											0.25	J			0.100	J		
1.7	beta-BHC																		
1.7	delta-BHC																		
1.7	gamma-BHC (Lindane)			0.079	J					0.25	J	0.16	J	0.13	J	0.41	J	0.37	J
1.7	Heptachlor	0.17	J	0.35	J	0.48	J	0.25	J	0.13	J	0.065	J			0.050	J		
1.7	Aldrin											0.65	J	0.58	J				
1.7	Heptachlor Epoxide											0.18	J	0.30	J	0.10	J		
1.7	Endosulfan I											0.13	J	0.40	J	0.30	J		
3.3	Dieldrin			0.072	J					0.20	J								
3.3	4,4'-DDE	0.20	J	0.64	J	0.39	J	0.38	J									0.97	J
3.3	Endrin			0.47	J							0.075	J	0.59	J	0.27	J	0.51	J
3.3	Endosulfan II													0.31	J	0.22	J		
3.3	4,4'-DDD			0.15	J			0.51	J										
3.3	Endosulfan Sulfate											0.096	J						
3.3	4,4'-DDT							0.15	J	0.16	J							1.2	J
17	Methoxychlor			0.32	B			0.92	B			0.39	B	0.46	B	9.4	J	0.99	B
3.3	Endrin Ketone	0.18	J	0.31	J					0.66	J			0.15	J	0.47	J	0.17	J
1.7	alpha-Chlordane			0.36	J									0.55	J	0.39	J		
1.7	gamma-Chlordane			0.46	J			0.16	J	0.072	J	0.41	J	0.67	J	0.41	J	0.45	J
170	Toxaphene																		
33	Aroclor-1016																		
67	Aroclor-1221																		
33	Aroclor-1232																		
33	Aroclor-1242																		
33	Aroclor-1248																		
33	Aroclor-1254																		
33	Aroclor-1260																		
3.3	Endrin Aldehyde																		

CRQL = Contract Required Quantitation Limit

SEE NARRATIVE FOR CODE DEFINITIONS

revised 07/90

DATA SUMMARY FORM: P E S T I C I D E S A N D P C B ' S

Site Name: HOFFMAN LANDFILL

SOIL SAMPLES
(µg/Kg)

Case #: 18347- Sampling Date(s): 6/23/92

To calculate sample quantitation limit:
(CRQL * Dilution Factor) / ((100 - % moisture)/100)

CRQL	COMPOUND	CKY37	CKY38							
	Dilution Factor	1.0	1.0							
	% Moisture	8	12							
	Location	56	57							
			Field Dup. of CKY34							
1.7	alpha-BHC									
1.7	beta-BHC									
1.7	delta-BHC									
1.7	gamma-BHC (Lindane)	0.12 J								
1.7	Heptachlor		0.094 J							
1.7	Aldrin		0.37 J							
1.7	Heptachlor Epoxide		0.26 J							
1.7	Endosulfan I		0.34 J							
3.3	Dieldrin		0.33 J							
3.3	4,4'-DDE									
3.3	Endrin		0.56 J							
3.3	Endosulfan II									
3.3	4,4'-DDD		1.3 J							
3.3	Endosulfan Sulfate									
3.3	4,4'-DDT									
17	Methoxychlor		0.67 B							
3.3	Endrin Ketone	0.12 J								
1.7	alpha-Chlordane		0.48 J							
1.7	gamma-Chlordane		0.51 J							
170	Toxaphene									
33	Aroclor-1016									
67	Aroclor-1221									
33	Aroclor-1232									
33	Aroclor-1242									
33	Aroclor-1248									
33	Aroclor-1254									
33	Aroclor-1260									
3.3	Endrin Aldehyde									

Original (Red)

CRQL = Contract Required Quantitation Limit

SEE NARRATIVE FOR CODE DEFINITIONS

revised 07/90

ORIGINAL (Red)

Appendix C

Results as Reported by the Laboratory for all Target Compounds

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO. (Original Red)

CKY14

Lab Name: COMPUCHEM,RTP Contract: 68D10083

Lab Code: COMPU Case No.: 18347 SAS No.: _____ SDG No.: CKY14

Matrix: (soil/water) WATER Lab Sample ID: 499425

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: CN099425A56

Level: (low/med) LOW Date Received: 06/24/92

% Moisture: not dec. ____ Date Analyzed: 06/25/92

GC Column: DB624 ID: 0.530 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____(uL)

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	22	B
67-64-1	Acetone	15	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	10	U
71-55-6	1,1,1-Trichloroethane	10	U
56-23-5	Carbon Tetrachloride	10	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	10	U
591-78-6	2-Hexanone	10	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

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
ORIGINAL (Red)
CKY15

Lab Name: COMPUCHEM,RTP Contract: 68D10083

Lab Code: COMPU Case No.: 18347 SAS No.: _____ SDG No.: CKY14

Matrix: (soil/water) WATER Lab Sample ID: 499435

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: CN099435B56

Level: (low/med) LOW Date Received: 06/24/92

% Moisture: not dec. ____ Date Analyzed: 06/24/92

Column: DB624 ID: 0.530 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____(uL)

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	1	BJ
67-64-1	Acetone	10	U
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	10	U
71-55-6	1,1,1-Trichloroethane	10	U
56-23-5	Carbon Tetrachloride	10	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	10	U
591-78-6	2-Hexanone	10	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

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CKY16 ORIGINAL (Red)

Lab Name: COMPUCHEM,RTP Contract: 68D10083

Lab Code: COMPU Case No.: 18347 SAS No.: _____ SDG No.: CKY14

Matrix: (soil/water) WATER Lab Sample ID: 499436

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: CN099436B56

Level: (low/med) LOW Date Received: 06/24/92

% Moisture: not dec. ____ Date Analyzed: 06/24/92

GC Column: DB624 ID: 0.530 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____(uL)

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	3	BJ
67-64-1	Acetone	15	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	4	J
107-06-2	1,2-Dichloroethane	10	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	10	U
56-23-5	Carbon Tetrachloride	10	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	10	U
591-78-6	2-Hexanone	10	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

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CKY17 (Red)

Lab Name: COMPUCHEM,RTP Contract: 68D10083

Lab Code: COMPU Case No.: 18347 SAS No.: _____ SDG No.: CKY14

Matrix: (soil/water) WATER Lab Sample ID: 499437

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: CN099437A56

Level: (low/med) LOW Date Received: 06/24/92

% Moisture: not dec. ____ Date Analyzed: 06/25/92

Column: DB624 ID: 0.530 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

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	9	BJ
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	10	U
71-55-6	1,1,1-Trichloroethane	10	U
56-23-5	Carbon Tetrachloride	10	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	10	U
591-78-6	2-Hexanone	10	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

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
ORIGINAL (Red)
CKY18

Lab Name: COMPUCHEM,RTP Contract: 68D10083

Lab Code: COMPU Case No.: 18347 SAS No.: _____ SDG No.: CKY14

Matrix: (soil/water) WATER Lab Sample ID: 499439

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: CR099439C56

Level: (low/med) LOW Date Received: 06/24/92

% Moisture: not dec. ____ Date Analyzed: 06/26/92

Column: DB624 ID: 0.530 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____(uL)

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	BJ
67-64-1	Acetone	12	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	10	U
71-55-6	1,1,1-Trichloroethane	10	U
56-23-5	Carbon Tetrachloride	10	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	10	U
591-78-6	2-Hexanone	10	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

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
ORIGINAL (Red)
CKY19

Lab Name: COMPUCHEM,RTP Contract: 68D10083

Lab Code: COMPU Case No.: 18347 SAS No.: _____ SDG No.: CKY14

Matrix: (soil/water) WATER Lab Sample ID: 499440

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: CN099440A56

Level: (low/med) LOW Date Received: 06/24/92

% Moisture: not dec. ____ Date Analyzed: 06/25/92

GC Column: DB624 ID: 0.530 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____(uL)

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	BJ
67-64-1	Acetone	15	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	4	J
107-06-2	1,2-Dichloroethane	10	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	10	U
56-23-5	Carbon Tetrachloride	10	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	10	U
591-78-6	2-Hexanone	10	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

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CKY20 (Original Red)

Lab Name: COMPUCHEM,RTP Contract: 68D10083

Lab Code: COMPU Case No.: 18347 SAS No.: _____ SDG No.: CKY14

Matrix: (soil/water) WATER Lab Sample ID: 499441

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: CN099441A56

Level: (low/med) LOW Date Received: 06/24/92

% Moisture: not dec. ____ Date Analyzed: 06/25/92

GC Column: DB624 ID: 0.530 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____(uL)

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	2	J
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	3	BJ
67-64-1	Acetone	11	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	10	U
71-55-6	1,1,1-Trichloroethane	10	U
56-23-5	Carbon Tetrachloride	10	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	10	U
591-78-6	2-Hexanone	10	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

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
ORIGINAL (Red)
CKY22

Lab Name: COMPUCHEM,RTP Contract: 68D10083

Lab Code: COMPU Case No.: 18347 SAS No.: _____ SDG No.: CKY14

Matrix: (soil/water) WATER Lab Sample ID: 499442

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: CN099442A56

Level: (low/med) LOW Date Received: 06/24/92

% Moisture: not dec. ____ Date Analyzed: 06/25/92

Column: DB624 ID: 0.530 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____(uL)

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	BJ
67-64-1	Acetone	12	B
75-15-0	Carbon Disulfide	1	J
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	10	U
71-55-6	1,1,1-Trichloroethane	10	U
56-23-5	Carbon Tetrachloride	10	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	10	U
591-78-6	2-Hexanone	10	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

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
ORIGINAL (Red)
CKY23

Lab Name: COMPUCHEM,RTP Contract: 68D10083

Lab Code: COMPU Case No.: 18347 SAS No.: _____ SDG No.: CKY14

Matrix: (soil/water) WATER Lab Sample ID: 499444

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: CN099444A56

Level: (low/med) LOW Date Received: 06/24/92

% Moisture: not dec. ____ Date Analyzed: 06/25/92

GC Column: DB624 ID: 0.530 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____(uL)

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	BJ
67-64-1	Acetone	12	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	10	U
71-55-6	1,1,1-Trichloroethane	10	U
56-23-5	Carbon Tetrachloride	10	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	10	U
591-78-6	2-Hexanone	10	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

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
ORIGINAL (Red)
CKY24

Lab Name: COMPUCHEM,RTP Contract: 68D10083

Lab Code: COMPU Case No.: 18347 SAS No.: _____ SDG No.: CKY14

Matrix: (soil/water) WATER Lab Sample ID: 499445

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: CN099445A56

Level: (low/med) LOW Date Received: 06/24/92

% Moisture: not dec. ____ Date Analyzed: 06/25/92

Column: DB624 ID: 0.530 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____(uL)

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	17	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	10	U
71-55-6	1,1,1-Trichloroethane	10	U
56-23-5	Carbon Tetrachloride	10	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	10	U
591-78-6	2-Hexanone	10	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

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CKY25

Lab Name: COMPUCHEM,RTP Contract: 68D10083

Lab Code: COMPU Case No.: 18347 SAS No.: _____ SDG No.: CKY14

Matrix: (soil/water) WATER Lab Sample ID: 499447

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: CN099447B56

Level: (low/med) LOW Date Received: 06/24/92

% Moisture: not dec. ____ Date Analyzed: 06/25/92

GC Column: DB624 ID: 0.530 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____(uL)

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	11	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	10	U
71-55-6	1,1,1-Trichloroethane	10	U
56-23-5	Carbon Tetrachloride	10	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	10	U
591-78-6	2-Hexanone	10	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

ORIGINAL (Red)

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CKY26

Lab Name: COMPUCHEM,RTP Contract: 68D10083

Lab Code: COMPU Case No.: 18347 SAS No.: _____ SDG No.: CKY14

Matrix: (soil/water) WATER Lab Sample ID: 499449

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: CR099449C56

Level: (low/med) LOW Date Received: 06/24/92

% Moisture: not dec. ____ Date Analyzed: 06/26/92

GC Column: DB624 ID: 0.530 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____(uL)

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	BJ
67-64-1	Acetone	9	BJ
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	10	U
71-55-6	1,1,1-Trichloroethane	10	U
56-23-5	Carbon Tetrachloride	10	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	10	U
591-78-6	2-Hexanone	10	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

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CKY28

Lab Name: COMPUCHEM,RTP Contract: 68D10083

Lab Code: COMPU Case No.: 18347 SAS No.: _____ SDG No.: CKY28

Matrix: (soil/water) SOIL Lab Sample ID: 499452

Sample wt/vol: 5.0 (g/mL) G Lab File ID: GH099452B54

Level: (low/med) LOW Date Received: 06/24/92

% Moisture: not dec. 19 Date Analyzed: 06/24/92

GC Column: DB-624 ID: 0.530 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____(uL)

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

CAS NO.	COMPOUND		Q
74-87-3	Chloromethane	12	U
74-83-9	Bromomethane	12	U
75-01-4	Vinyl Chloride	12	U
75-00-3	Chloroethane	12	U
75-09-2	Methylene Chloride	30	B
67-64-1	Acetone	20	B
75-15-0	Carbon Disulfide	12	U
75-35-4	1,1-Dichloroethene	12	U
75-34-3	1,1-Dichloroethane	12	U
540-59-0	1,2-Dichloroethene (total)	12	U
67-66-3	Chloroform	12	U
107-06-2	1,2-Dichloroethane	12	U
78-93-3	2-Butanone	12	U
71-55-6	1,1,1-Trichloroethane	12	U
56-23-5	Carbon Tetrachloride	12	U
75-27-4	Bromodichloromethane	12	U
78-87-5	1,2-Dichloropropane	12	U
10061-01-5	cis-1,3-Dichloropropene	12	U
79-01-6	Trichloroethene	12	U
124-48-1	Dibromochloromethane	12	U
79-00-5	1,1,2-Trichloroethane	12	U
71-43-2	Benzene	12	U
10061-02-6	Trans-1,3-Dichloropropene	12	U
75-25-2	Bromoform	12	U
108-10-1	4-Methyl-2-Pentanone	12	U
591-78-6	2-Hexanone	12	U
127-18-4	Tetrachloroethene	12	U
79-34-5	1,1,2,2-Tetrachloroethane	12	U
108-88-3	Toluene	1	J
108-90-7	Chlorobenzene	12	U
100-41-4	Ethylbenzene	12	U
100-42-5	Styrene	12	U
1330-20-7	Xylene (total)	12	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CKY29 ORIGINAL (Red)

Lab Name: COMPUCHEM,RTP Contract: 68D10083

Lab Code: COMPU Case No.: 18347 SAS No.: _____ SDG No.: CKY28

Matrix: (soil/water) SOIL Lab Sample ID: 499459

Sample wt/vol: 5.0 (g/mL) G Lab File ID: GH099459B54

Level: (low/med) LOW Date Received: 06/24/92

% Moisture: not dec. 17 Date Analyzed: 06/24/92

GC Column: DB-624 ID: 0.530 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	12	U
74-83-9	Bromomethane	12	U
75-01-4	Vinyl Chloride	12	U
75-00-3	Chloroethane	12	U
75-09-2	Methylene Chloride	78	B
67-64-1	Acetone	32	B
75-15-0	Carbon Disulfide	12	U
75-35-4	1,1-Dichloroethene	12	U
75-34-3	1,1-Dichloroethane	12	U
540-59-0	1,2-Dichloroethene (total)	12	U
67-66-3	Chloroform	12	U
107-06-2	1,2-Dichloroethane	12	U
78-93-3	2-Butanone	12	U
71-55-6	1,1,1-Trichloroethane	12	U
56-23-5	Carbon Tetrachloride	12	U
75-27-4	Bromodichloromethane	12	U
78-87-5	1,2-Dichloropropane	12	U
10061-01-5	cis-1,3-Dichloropropene	12	U
79-01-6	Trichloroethene	12	U
124-48-1	Dibromochloromethane	12	U
79-00-5	1,1,2-Trichloroethane	12	U
71-43-2	Benzene	12	U
10061-02-6	Trans-1,3-Dichloropropene	12	U
75-25-2	Bromoform	12	U
108-10-1	4-Methyl-2-Pentanone	12	U
591-78-6	2-Hexanone	12	U
127-18-4	Tetrachloroethene	12	U
79-34-5	1,1,2,2-Tetrachloroethane	12	U
108-88-3	Toluene	12	U
108-90-7	Chlorobenzene	12	U
100-41-4	Ethylbenzene	12	U
100-42-5	Styrene	12	U
1330-20-7	Xylene (total)	12	U

FORM I VOA 3/90

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO. ORIGINAL (Red)

CKY30

Lab Name: COMPUCHEM,RTP Contract: 68D10083

Lab Code: COMPU Case No.: 18347 SAS No.: _____ SDG No.: CKY28

Matrix: (soil/water) SOIL Lab Sample ID: 499463

Sample wt/vol: 5.0 (g/mL) G Lab File ID: GH099463B54

Level: (low/med) LOW Date Received: 06/24/92

% Moisture: not dec. 40 Date Analyzed: 06/24/92

GC Column: DB-624 ID: 0.530 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	17	U
74-83-9	Bromomethane	17	U
75-01-4	Vinyl Chloride	17	U
75-00-3	Chloroethane	17	U
75-09-2	Methylene Chloride	84	B
67-64-1	Acetone	42	B
75-15-0	Carbon Disulfide	17	U
75-35-4	1,1-Dichloroethene	17	U
75-34-3	1,1-Dichloroethane	17	U
540-59-0	1,2-Dichloroethene (total)	17	U
67-66-3	Chloroform	17	U
107-06-2	1,2-Dichloroethane	17	U
78-93-3	2-Butanone	17	U
71-55-6	1,1,1-Trichloroethane	17	U
56-23-5	Carbon Tetrachloride	17	U
75-27-4	Bromodichloromethane	17	U
78-87-5	1,2-Dichloropropane	17	U
10061-01-5	cis-1,3-Dichloropropene	17	U
79-01-6	Trichloroethene	17	U
124-48-1	Dibromochloromethane	17	U
79-00-5	1,1,2-Trichloroethane	17	U
71-43-2	Benzene	17	U
10061-02-6	Trans-1,3-Dichloropropene	17	U
75-25-2	Bromoform	17	U
108-10-1	4-Methyl-2-Pentanone	17	U
591-78-6	2-Hexanone	17	U
127-18-4	Tetrachloroethene	17	U
79-34-5	1,1,2,2-Tetrachloroethane	17	U
108-88-3	Toluene	17	U
108-90-7	Chlorobenzene	17	U
100-41-4	Ethylbenzene	17	U
100-42-5	Styrene	17	U
1330-20-7	Xylene (total)	17	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CKY31

Lab Name: COMPUCHEM,RTP Contract: 68D10083

Lab Code: COMPU Case No.: 18347 SAS No.: _____ SDG No.: CKY28

Matrix: (soil/water) SOIL Lab Sample ID: 499464

Sample wt/vol: 5.0 (g/mL) G Lab File ID: GH099464B54

Level: (low/med) LOW Date Received: 06/24/92

% Moisture: not dec. 23 Date Analyzed: 06/24/92

GC Column: DB-624 ID: 0.530 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	13	U
74-83-9	Bromomethane	13	U
75-01-4	Vinyl Chloride	13	U
75-00-3	Chloroethane	13	U
75-09-2	Methylene Chloride	100	B
67-64-1	Acetone	110	B
75-15-0	Carbon Disulfide	13	U
75-35-4	1,1-Dichloroethene	13	U
75-34-3	1,1-Dichloroethane	13	U
540-59-0	1,2-Dichloroethene (total)	13	U
67-66-3	Chloroform	13	U
107-06-2	1,2-Dichloroethane	13	U
78-93-3	2-Butanone	13	U
71-55-6	1,1,1-Trichloroethane	13	U
56-23-5	Carbon Tetrachloride	13	U
75-27-4	Bromodichloromethane	13	U
78-87-5	1,2-Dichloropropane	13	U
10061-01-5	cis-1,3-Dichloropropene	13	U
79-01-6	Trichloroethene	13	U
124-48-1	Dibromochloromethane	13	U
79-00-5	1,1,2-Trichloroethane	13	U
71-43-2	Benzene	13	U
10061-02-6	Trans-1,3-Dichloropropene	13	U
75-25-2	Bromoform	13	U
108-10-1	4-Methyl-2-Pentanone	13	U
591-78-6	2-Hexanone	13	U
127-18-4	Tetrachloroethene	13	U
79-34-5	1,1,2,2-Tetrachloroethane	13	U
108-88-3	Toluene	13	U
108-90-7	Chlorobenzene	13	U
100-41-4	Ethylbenzene	13	U
100-42-5	Styrene	13	U
1330-20-7	Xylene (total)	13	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

ORIGINAL (Red)

CKY32

Lab Name: COMPUCHEM,RTP Contract: 68D10083

Lab Code: COMPU Case No.: 18347 SAS No.: _____ SDG No.: CKY28

Matrix: (soil/water) SOIL Lab Sample ID: 499465

Sample wt/vol: 5.0 (g/mL) G Lab File ID: GR099465A54

Level: (low/med) LOW Date Received: 06/24/92

% Moisture: not dec. 18 Date Analyzed: 06/25/92

GC Column: DB-624 ID: 0.530 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	12	U
74-83-9	Bromomethane	12	U
75-01-4	Vinyl Chloride	12	U
75-00-3	Chloroethane	12	U
75-09-2	Methylene Chloride	33	B
67-64-1	Acetone	23	B
75-15-0	Carbon Disulfide	12	U
75-35-4	1,1-Dichloroethene	12	U
75-34-3	1,1-Dichloroethane	12	U
540-59-0	1,2-Dichloroethene (total)	12	U
67-66-3	Chloroform	12	U
107-06-2	1,2-Dichloroethane	12	U
78-93-3	2-Butanone	12	U
71-55-6	1,1,1-Trichloroethane	12	U
56-23-5	Carbon Tetrachloride	12	U
75-27-4	Bromodichloromethane	12	U
78-87-5	1,2-Dichloropropane	12	U
10061-01-5	cis-1,3-Dichloropropene	12	U
79-01-6	Trichloroethene	12	U
124-48-1	Dibromochloromethane	12	U
79-00-5	1,1,2-Trichloroethane	12	U
71-43-2	Benzene	12	U
10061-02-6	Trans-1,3-Dichloropropene	12	U
75-25-2	Bromoform	12	U
108-10-1	4-Methyl-2-Pentanone	12	U
591-78-6	2-Hexanone	12	U
127-18-4	Tetrachloroethene	12	U
79-34-5	1,1,2,2-Tetrachloroethane	12	U
108-88-3	Toluene	12	U
108-90-7	Chlorobenzene	12	U
100-41-4	Ethylbenzene	12	U
100-42-5	Styrene	12	U
1330-20-7	Xylene (total)	12	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

ORIGINAL (Red)

CKY33

Lab Name: COMPUCHEM,RTP Contract: 68D10083

Lab Code: COMPU Case No.: 18347 SAS No.: _____ SDG No.: CKY28

Matrix: (soil/water) SOIL Lab Sample ID: 499466

Sample wt/vol: 5.0 (g/mL) G Lab File ID: GR099466A54

Level: (low/med) LOW Date Received: 06/24/92

% Moisture: not dec. 11 Date Analyzed: 06/25/92

GC Column: DB-624 ID: 0.530 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	11	U
74-83-9	Bromomethane	11	U
75-01-4	Vinyl Chloride	11	U
75-00-3	Chloroethane	11	U
75-09-2	Methylene Chloride	31	B
67-64-1	Acetone	23	B
75-15-0	Carbon Disulfide	11	U
75-35-4	1,1-Dichloroethene	11	U
75-34-3	1,1-Dichloroethane	11	U
540-59-0	1,2-Dichloroethene (total)	11	U
67-66-3	Chloroform	11	U
107-06-2	1,2-Dichloroethane	11	U
78-93-3	2-Butanone	11	U
71-55-6	1,1,1-Trichloroethane	11	U
56-23-5	Carbon Tetrachloride	11	U
75-27-4	Bromodichloromethane	11	U
78-87-5	1,2-Dichloropropane	11	U
10061-01-5	cis-1,3-Dichloropropene	11	U
79-01-6	Trichloroethene	11	U
124-48-1	Dibromochloromethane	11	U
79-00-5	1,1,2-Trichloroethane	11	U
71-43-2	Benzene	11	U
10061-02-6	Trans-1,3-Dichloropropene	11	U
75-25-2	Bromoform	11	U
108-10-1	4-Methyl-2-Pentanone	11	U
591-78-6	2-Hexanone	11	U
127-18-4	Tetrachloroethene	11	U
79-34-5	1,1,2,2-Tetrachloroethane	11	U
108-88-3	Toluene	11	U
108-90-7	Chlorobenzene	11	U
100-41-4	Ethylbenzene	11	U
100-42-5	Styrene	11	U
1330-20-7	Xylene (total)	11	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
ORIGINAL (Red)
CKY34

Lab Name: COMPUCHEM,RTP Contract: 68D10083

Lab Code: COMPU Case No.: 18347 SAS No.: _____ SDG No.: CKY28

Matrix: (soil/water) SOIL Lab Sample ID: 499467

Sample wt/vol: 5.0 (g/mL) G Lab File ID: GH099467B54

Level: (low/med) LOW Date Received: 06/24/92

% Moisture: not dec. 13 Date Analyzed: 06/24/92

GC Column: DB-624 ID: 0.530 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____(uL)

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

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
ORIGINAL (Red)
CKY35

Lab Name: COMPUCHEM,RTP Contract: 68D10083

Lab Code: COMPU Case No.: 18347 SAS No.: _____ SDG No.: CKY28

Matrix: (soil/water) SOIL Lab Sample ID: 499468

Sample wt/vol: 5.0 (g/mL) G Lab File ID: GH099468B54

Level: (low/med) LOW Date Received: 06/24/92

% Moisture: not dec. 3 Date Analyzed: 06/25/92

GC Column: DB-624 ID: 0.530 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	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	87	B
67-64-1	Acetone	27	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	10	U
71-55-6	1,1,1-Trichloroethane	10	U
56-23-5	Carbon Tetrachloride	10	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	10	U
591-78-6	2-Hexanone	10	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

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CKY36

Lab Name: COMPUCHEM,RTP Contract: 68D10083

Lab Code: COMPU Case No.: 18347 SAS No.: SDG No.: CKY28

Matrix: (soil/water) SOIL Lab Sample ID: 499470

Sample wt/vol: 5.0 (g/mL) G Lab File ID: GR099470A54

Level: (low/med) LOW Date Received: 06/24/92

% Moisture: not dec. 10 Date Analyzed: 06/25/92

GC Column: DB-624 ID: 0.530 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	11	U
74-83-9	Bromomethane	11	U
75-01-4	Vinyl Chloride	11	U
75-00-3	Chloroethane	11	U
75-09-2	Methylene Chloride	43	B
67-64-1	Acetone	62	B
75-15-0	Carbon Disulfide	11	U
75-35-4	1,1-Dichloroethene	11	U
75-34-3	1,1-Dichloroethane	11	U
540-59-0	1,2-Dichloroethene (total)	11	U
67-66-3	Chloroform	11	U
107-06-2	1,2-Dichloroethane	11	U
78-93-3	2-Butanone	11	U
71-55-6	1,1,1-Trichloroethane	11	U
56-23-5	Carbon Tetrachloride	11	U
75-27-4	Bromodichloromethane	11	U
78-87-5	1,2-Dichloropropane	11	U
10061-01-5	cis-1,3-Dichloropropene	11	U
79-01-6	Trichloroethene	11	U
124-48-1	Dibromochloromethane	11	U
79-00-5	1,1,2-Trichloroethane	11	U
71-43-2	Benzene	11	U
10061-02-6	Trans-1,3-Dichloropropene	11	U
75-25-2	Bromoform	11	U
108-10-1	4-Methyl-2-Pentanone	11	U
591-78-6	2-Hexanone	11	U
127-18-4	Tetrachloroethene	11	U
79-34-5	1,1,2,2-Tetrachloroethane	11	U
108-88-3	Toluene	11	U
108-90-7	Chlorobenzene	11	U
100-41-4	Ethylbenzene	11	U
100-42-5	Styrene	11	U
1330-20-7	Xylene (total)	11	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
ORIGINAL (Red)
CKY37

Lab Name: COMPUCHEM,RTP Contract: 68D10083

Lab Code: COMPU Case No.: 18347 SAS No.: _____ SDG No.: CKY28

Matrix: (soil/water) SOIL Lab Sample ID: 499471

Sample wt/vol: 5.0 (g/mL) G Lab File ID: GH099471B54

Level: (low/med) LOW Date Received: 06/24/92

% Moisture: not dec. 8 Date Analyzed: 06/25/92

Column: DB-624 ID: 0.530 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	11	U
74-83-9	Bromomethane	11	U
75-01-4	Vinyl Chloride	11	U
75-00-3	Chloroethane	11	U
75-09-2	Methylene Chloride	33	B
67-64-1	Acetone	21	B
75-15-0	Carbon Disulfide	11	U
75-35-4	1,1-Dichloroethene	11	U
75-34-3	1,1-Dichloroethane	11	U
540-59-0	1,2-Dichloroethene (total)	11	U
67-66-3	Chloroform	11	U
107-06-2	1,2-Dichloroethane	11	U
78-93-3	2-Butanone	11	U
71-55-6	1,1,1-Trichloroethane	11	U
56-23-5	Carbon Tetrachloride	11	U
75-27-4	Bromodichloromethane	11	U
78-87-5	1,2-Dichloropropane	11	U
10061-01-5	cis-1,3-Dichloropropene	11	U
79-01-6	Trichloroethene	11	U
124-48-1	Dibromochloromethane	11	U
79-00-5	1,1,2-Trichloroethane	11	U
71-43-2	Benzene	11	U
10061-02-6	Trans-1,3-Dichloropropene	11	U
75-25-2	Bromoform	11	U
108-10-1	4-Methyl-2-Pentanone	11	U
591-78-6	2-Hexanone	11	U
127-18-4	Tetrachloroethene	11	U
79-34-5	1,1,2,2-Tetrachloroethane	11	U
108-88-3	Toluene	11	U
108-90-7	Chlorobenzene	11	U
100-41-4	Ethylbenzene	11	U
100-42-5	Styrene	11	U
1330-20-7	Xylene (total)	11	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
ORIGINAL (Red)
CKY38

Lab Name: COMPUCHEM,RTP Contract: 68D10083

Lab Code: COMPU Case No.: 18347 SAS No.: _____ SDG No.: CKY28

Matrix: (soil/water) SOIL Lab Sample ID: 499473

Sample wt/vol: 5.0 (g/mL) G Lab File ID: GH099473C54

Level: (low/med) LOW Date Received: 06/24/92

% Moisture: not dec. 12 Date Analyzed: 06/25/92

GC Column: DB-624 ID: 0.530 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	11	U
74-83-9	Bromomethane	11	U
75-01-4	Vinyl Chloride	11	U
75-00-3	Chloroethane	11	U
75-09-2	Methylene Chloride	98	B
67-64-1	Acetone	35	B
75-15-0	Carbon Disulfide	11	U
75-35-4	1,1-Dichloroethene	11	U
75-34-3	1,1-Dichloroethane	11	U
540-59-0	1,2-Dichloroethene (total)	11	U
67-66-3	Chloroform	11	U
107-06-2	1,2-Dichloroethane	11	U
78-93-3	2-Butanone	11	U
71-55-6	1,1,1-Trichloroethane	11	U
56-23-5	Carbon Tetrachloride	11	U
75-27-4	Bromodichloromethane	11	U
78-87-5	1,2-Dichloropropane	11	U
10061-01-5	cis-1,3-Dichloropropene	11	U
79-01-6	Trichloroethene	11	U
124-48-1	Dibromochloromethane	11	U
79-00-5	1,1,2-Trichloroethane	11	U
71-43-2	Benzene	11	U
10061-02-6	Trans-1,3-Dichloropropene	11	U
75-25-2	Bromoform	11	U
108-10-1	4-Methyl-2-Pentanone	11	U
591-78-6	2-Hexanone	11	U
127-18-4	Tetrachloroethene	11	U
79-34-5	1,1,2,2-Tetrachloroethane	11	U
108-88-3	Toluene	11	U
108-90-7	Chlorobenzene	11	U
100-41-4	Ethylbenzene	11	U
100-42-5	Styrene	11	U
1330-20-7	Xylene (total)	11	U

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

ORIGINAL (Red)
CKY14

Lab Name: COMPUCHEM,RTP Contract: 68D10083

Lab Code: COMPU Case No.: 18347 SAS No.: _____ SDG No.: CKY14

Matrix: (soil/water) WATER Lab Sample ID: 499425

Sample wt/vol: 1000 (g/mL) ML Lab File ID: GH099425B02

Level: (low/med) LOW Date Received: 06/24/92

% Moisture: _____ decanted: (Y/N) ___ Date Extracted: 06/26/92

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 06/29/92

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ____

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	10	U
111-44-4	bis(2-Chloroethyl)Ether	10	U
95-57-8	2-Chlorophenol	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
95-48-7	2-Methylphenol	10	U
108-60-1	2,2'-Oxybis(1-Chloropropane)	10	U
106-44-5	4-Methylphenol	10	U
621-64-7	N-Nitroso-Di-n-Propylamine	10	U
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
111-91-1	bis(2-Chloroethoxy)Methane	10	U
120-83-2	2,4-Dichlorophenol	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
59-50-7	4-Chloro-3-Methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	25	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	25	U
131-11-3	Dimethyl Phthalate	10	U
208-96-8	Acenaphthylene	10	U
606-20-2	2,6-Dinitrotoluene	10	U
99-09-2	3-Nitroaniline	25	U
83-32-9	Acenaphthene	10	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
(Red)
CKY14

Lab Name: COMPUCHEM,RTP Contract: 68D10083

Lab Code: COMPU Case No.: 18347 SAS No.: _____ SDG No.: CKY14

Matrix: (soil/water) WATER Lab Sample ID: 499425

Sample wt/vol: 1000 (g/mL) ML Lab File ID: GH099425B02

Level: (low/med) LOW Date Received: 06/24/92

% Moisture: _____ decanted: (Y/N) ___ Date Extracted: 06/26/92

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 06/29/92

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ____

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
51-28-5	2,4-Dinitrophenol	25	U
100-02-7	4-Nitrophenol	25	U
132-64-9	Dibenzofuran	10	U
121-14-2	2,4-Dinitrotoluene	10	U
84-66-2	Diethylphthalate	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
86-73-7	Fluorene	10	U
100-01-6	4-Nitroaniline	25	U
534-52-1	4,6-Dinitro-2-Methylphenol	25	U
86-30-6	N-Nitrosodiphenylamine (1)	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
87-86-5	Pentachlorophenol	25	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
86-74-8	Carbazole	10	U
84-74-2	Di-n-Butylphthalate	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butylbenzylphthalate	10	U
91-94-1	3,3'-Dichlorobenzidine	10	U
56-55-3	Benzo(a)Anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	bis(2-Ethylhexyl)Phthalate	2	BJ
117-84-0	Di-n-Octyl Phthalate	10	U
205-99-2	Benzo(b)Fluoranthene	10	U
207-08-9	Benzo(k)Fluoranthene	10	U
50-32-8	Benzo(a)Pyrene	10	U
193-39-5	Indeno(1,2,3-cd)Pyrene	10	U
53-70-3	Dibenz(a,h)Anthracene	10	U
191-24-2	Benzo(g,h,i)Perylene	10	U

(1) - Cannot be separated from Diphenylamine

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
ORIGINAL (Red)
CKY15

Lab Name: COMPUCHEM,RTP Contract: 68D10083

Lab Code: COMPU Case No.: 18347 SAS No.: _____ SDG No.: CKY14

Matrix: (soil/water) WATER Lab Sample ID: 499435

Sample wt/vol: 1000 (g/mL) ML Lab File ID: GH099435B02

Level: (low/med) LOW Date Received: 06/24/92

% Moisture: _____ decanted: (Y/N) ___ Date Extracted: 06/26/92

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 06/29/92

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ____

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	10	U
111-44-4	bis(2-Chloroethyl)Ether	10	U
95-57-8	2-Chlorophenol	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
95-48-7	2-Methylphenol	10	U
108-60-1	2,2'-Oxybis(1-Chloropropane)	10	U
106-44-5	4-Methylphenol	10	U
621-64-7	N-Nitroso-Di-n-Propylamine	10	U
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
111-91-1	bis(2-Chloroethoxy)Methane	10	U
120-83-2	2,4-Dichlorophenol	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
59-50-7	4-Chloro-3-Methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	25	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	25	U
131-11-3	Dimethyl Phthalate	10	U
208-96-8	Acenaphthylene	10	U
606-20-2	2,6-Dinitrotoluene	10	U
99-09-2	3-Nitroaniline	25	U
83-32-9	Acenaphthene	10	U

SAMPLE DATA PACKAGE

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

ORIGINAL (Rev.)

EPA SAMPLE NO.

CKY15

Lab Name: COMPUCHEM,RTP Contract: 68D10083

Lab Code: COMPU Case No.: 18347 SAS No.: _____ SDG No.: CKY14

Matrix: (soil/water) WATER Lab Sample ID: 499435

Sample wt/vol: 1000 (g/mL) ML Lab File ID: GH099435B02

Level: (low/med) LOW Date Received: 06/24/92

% Moisture: _____ decanted: (Y/N) ___ Date Extracted: 06/26/92

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 06/29/92

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ____

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
51-28-5	2,4-Dinitrophenol	25	U
100-02-7	4-Nitrophenol	25	U
132-64-9	Dibenzofuran	10	U
121-14-2	2,4-Dinitrotoluene	10	U
84-66-2	Diethylphthalate	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
86-73-7	Fluorene	10	U
100-01-6	4-Nitroaniline	25	U
534-52-1	4,6-Dinitro-2-Methylphenol	25	U
86-30-6	N-Nitrosodiphenylamine (1)	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
87-86-5	Pentachlorophenol	25	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
86-74-8	Carbazole	10	U
84-74-2	Di-n-Butylphthalate	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butylbenzylphthalate	10	U
91-94-1	3,3'-Dichlorobenzidine	10	U
56-55-3	Benzo(a)Anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	bis(2-Ethylhexyl)Phthalate	2	BJ
117-84-0	Di-n-Octyl Phthalate	10	U
205-99-2	Benzo(b)Fluoranthene	10	U
207-08-9	Benzo(k)Fluoranthene	10	U
50-32-8	Benzo(a)Pyrene	10	U
193-39-5	Indeno(1,2,3-cd)Pyrene	10	U
53-70-3	Dibenz(a,h)Anthracene	10	U
191-24-2	Benzo(g,h,i)Perylene	10	U

(1) - Cannot be separated from Diphenylamine

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CKY16

Lab Name: COMPUCHEM,RTP Contract: 68D10083

Lab Code: COMPU Case No.: 18347 SAS No.: _____ SDG No.: CKY14

Matrix: (soil/water) WATER Lab Sample ID: 499436

Sample wt/vol: 1000 (g/mL) ML Lab File ID: GH099436B02

Level: (low/med) LOW Date Received: 06/24/92

% Moisture: _____ decanted: (Y/N) ___ Date Extracted: 06/26/92

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 06/29/92

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ____

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	10	U
111-44-4	bis(2-Chloroethyl)Ether	10	U
95-57-8	2-Chlorophenol	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
95-48-7	2-Methylphenol	10	U
108-60-1	2,2'-Oxybis(1-Chloropropane)	10	U
106-44-5	4-Methylphenol	10	U
621-64-7	N-Nitroso-Di-n-Propylamine	10	U
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
111-91-1	bis(2-Chloroethoxy)Methane	10	U
120-83-2	2,4-Dichlorophenol	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
59-50-7	4-Chloro-3-Methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	25	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	25	U
131-11-3	Dimethyl Phthalate	10	U
208-96-8	Acenaphthylene	10	U
606-20-2	2,6-Dinitrotoluene	10	U
99-09-2	3-Nitroaniline	25	U
83-32-9	Acenaphthene	10	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CKY16 ORIGINAL (Red)

Lab Name: COMPUCHEM,RTP Contract: 68D10083

Lab Code: COMPU Case No.: 18347 SAS No.: _____ SDG No.: CKY14

Matrix: (soil/water) WATER Lab Sample ID: 499436

Sample wt/vol: 1000 (g/mL) ML Lab File ID: GH099436B02

Level: (low/med) LOW Date Received: 06/24/92

% Moisture: _____ decanted: (Y/N) ___ Date Extracted: 06/26/92

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 06/29/92

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ____

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

CAS NO.	COMPOUND		Q
51-28-5	2,4-Dinitrophenol	25	U
100-02-7	4-Nitrophenol	25	U
132-64-9	Dibenzofuran	10	U
121-14-2	2,4-Dinitrotoluene	10	U
84-66-2	Diethylphthalate	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
86-73-7	Fluorene	10	U
100-01-6	4-Nitroaniline	25	U
534-52-1	4,6-Dinitro-2-Methylphenol	25	U
86-30-6	N-Nitrosodiphenylamine (1)	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
87-86-5	Pentachlorophenol	25	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
86-74-8	Carbazole	10	U
84-74-2	Di-n-Butylphthalate	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butylbenzylphthalate	10	U
91-94-1	3,3'-Dichlorobenzidine	10	U
56-55-3	Benzo(a)Anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	bis(2-Ethylhexyl)Phthalate	1	BJ
117-84-0	Di-n-Octyl Phthalate	10	U
205-99-2	Benzo(b)Fluoranthene	10	U
207-08-9	Benzo(k)Fluoranthene	10	U
50-32-8	Benzo(a)Pyrene	10	U
193-39-5	Indeno(1,2,3-cd)Pyrene	10	U
53-70-3	Dibenz(a,h)Anthracene	10	U
191-24-2	Benzo(g,h,i)Perylene	10	U

(1) - Cannot be separated from Diphenylamine

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
ORIGINAL (Red)
CKY17

Lab Name: COMPUCHEM,RTP Contract: 68D10083

Lab Code: COMPU Case No.: 18347 SAS No.: _____ SDG No.: CKY14

Matrix: (soil/water) WATER Lab Sample ID: 499437

Sample wt/vol: 1000 (g/mL) ML Lab File ID: GH099437B02

Level: (low/med) LOW Date Received: 06/24/92

% Moisture: _____ decanted: (Y/N) ___ Date Extracted: 06/26/92

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 06/30/92

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ____

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	10	U
111-44-4	bis(2-Chloroethyl)Ether	10	U
95-57-8	2-Chlorophenol	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
95-48-7	2-Methylphenol	10	U
108-60-1	2,2'-Oxybis(1-Chloropropane)	10	U
106-44-5	4-Methylphenol	10	U
621-64-7	N-Nitroso-Di-n-Propylamine	10	U
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
111-91-1	bis(2-Chloroethoxy)Methane	10	U
120-83-2	2,4-Dichlorophenol	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
59-50-7	4-Chloro-3-Methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	25	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	25	U
131-11-3	Dimethyl Phthalate	10	U
208-96-8	Acenaphthylene	10	U
606-20-2	2,6-Dinitrotoluene	10	U
99-09-2	3-Nitroaniline	25	U
83-32-9	Acenaphthene	10	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CKY17

Lab Name: COMPUCHEM,RTP Contract: 68D10083

Lab Code: COMPU Case No.: 18347 SAS No.: _____ SDG No.: CKY14

Matrix: (soil/water) WATER Lab Sample ID: 499437

Sample wt/vol: 1000 (g/mL) ML Lab File ID: GH099437B02

Level: (low/med) LOW Date Received: 06/24/92

% Moisture: _____ decanted: (Y/N) ___ Date Extracted: 06/26/92

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 06/30/92

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ____

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

CAS NO.	COMPOUND		Q
51-28-5	2,4-Dinitrophenol	25	U
100-02-7	4-Nitrophenol	25	U
132-64-9	Dibenzofuran	10	U
121-14-2	2,4-Dinitrotoluene	10	U
84-66-2	Diethylphthalate	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
86-73-7	Fluorene	10	U
100-01-6	4-Nitroaniline	25	U
534-52-1	4,6-Dinitro-2-Methylphenol	25	U
86-30-6	N-Nitrosodiphenylamine (1)	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
87-86-5	Pentachlorophenol	25	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
86-74-8	Carbazole	10	U
84-74-2	Di-n-Butylphthalate	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butylbenzylphthalate	10	U
91-94-1	3,3'-Dichlorobenzidine	10	U
56-55-3	Benzo(a)Anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	bis(2-Ethylhexyl)Phthalate	3	BJ
117-84-0	Di-n-Octyl Phthalate	10	U
205-99-2	Benzo(b)Fluoranthene	10	U
207-08-9	Benzo(k)Fluoranthene	10	U
50-32-8	Benzo(a)Pyrene	10	U
193-39-5	Indeno(1,2,3-cd)Pyrene	10	U
53-70-3	Dibenz(a,h)Anthracene	10	U
191-24-2	Benzo(g,h,i)Perylene	10	U

(1) - Cannot be separated from Diphenylamine

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CKY18

Lab Name: COMPUCHEM,RTP Contract: 68D10083

Lab Code: COMPU Case No.: 18347 SAS No.: _____ SDG No.: CKY14

Matrix: (soil/water) WATER Lab Sample ID: 499439

Sample wt/vol: 1000 (g/mL) ML Lab File ID: GH099439B02

Level: (low/med) LOW Date Received: 06/24/92

% Moisture: _____ decanted: (Y/N) ___ Date Extracted: 06/26/92

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 06/29/92

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ____

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	10	U
111-44-4	bis(2-Chloroethyl)Ether	10	U
95-57-8	2-Chlorophenol	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
95-48-7	2-Methylphenol	10	U
108-60-1	2,2'-Oxybis(1-Chloropropane)	10	U
106-44-5	4-Methylphenol	10	U
621-64-7	N-Nitroso-Di-n-Propylamine	10	U
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
111-91-1	bis(2-Chloroethoxy)Methane	10	U
120-83-2	2,4-Dichlorophenol	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
59-50-7	4-Chloro-3-Methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	25	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	25	U
131-11-3	Dimethyl Phthalate	10	U
208-96-8	Acenaphthylene	10	U
606-20-2	2,6-Dinitrotoluene	10	U
99-09-2	3-Nitroaniline	25	U
83-32-9	Acenaphthene	10	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
ORIGINAL (P30)
CKY18

Lab Name: COMPUCHEM,RTP Contract: 68D10083

Lab Code: COMPU Case No.: 18347 SAS No.: _____ SDG No.: CKY14

Matrix: (soil/water) WATER Lab Sample ID: 499439

Sample wt/vol: 1000 (g/mL) ML Lab File ID: GH099439B02

Level: (low/med) LOW Date Received: 06/24/92

% Moisture: _____ decanted: (Y/N) ___ Date Extracted: 06/26/92

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 06/29/92

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ____

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
51-28-5	2,4-Dinitrophenol	25	U
100-02-7	4-Nitrophenol	25	U
132-64-9	Dibenzofuran	10	U
121-14-2	2,4-Dinitrotoluene	10	U
84-66-2	Diethylphthalate	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
86-73-7	Fluorene	10	U
100-01-6	4-Nitroaniline	25	U
534-52-1	4,6-Dinitro-2-Methylphenol	25	U
86-30-6	N-Nitrosodiphenylamine (1)	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
87-86-5	Pentachlorophenol	25	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
86-74-8	Carbazole	10	U
84-74-2	Di-n-Butylphthalate	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butylbenzylphthalate	10	U
91-94-1	3,3'-Dichlorobenzidine	10	U
56-55-3	Benzo(a)Anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	bis(2-Ethylhexyl)Phthalate	3	BJ
117-84-0	Di-n-Octyl Phthalate	10	U
205-99-2	Benzo(b)Fluoranthene	10	U
207-08-9	Benzo(k)Fluoranthene	10	U
50-32-8	Benzo(a)Pyrene	10	U
193-39-5	Indeno(1,2,3-cd)Pyrene	10	U
53-70-3	Dibenz(a,h)Anthracene	10	U
191-24-2	Benzo(g,h,i)Perylene	10	U

(1) - Cannot be separated from Diphenylamine

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CKY19

Lab Name: COMPUCHEM,RTP Contract: 68D10083

Lab Code: COMPU Case No.: 18347 SAS No.: _____ SDG No.: CKY14

Matrix: (soil/water) WATER Lab Sample ID: 499440

Sample wt/vol: 1000 (g/mL) ML Lab File ID: GH099440B02

Level: (low/med) LOW Date Received: 06/24/92

% Moisture: _____ decanted: (Y/N) ___ Date Extracted: 06/26/92

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 06/30/92

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ____

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	10	U
111-44-4	bis(2-Chloroethyl)Ether	10	U
95-57-8	2-Chlorophenol	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
95-48-7	2-Methylphenol	10	U
108-60-1	2,2'-Oxybis(1-Chloropropane)	10	U
106-44-5	4-Methylphenol	10	U
621-64-7	N-Nitroso-Di-n-Propylamine	10	U
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
111-91-1	bis(2-Chloroethoxy)Methane	10	U
120-83-2	2,4-Dichlorophenol	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
59-50-7	4-Chloro-3-Methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	25	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	25	U
131-11-3	Dimethyl Phthalate	10	U
208-96-8	Acenaphthylene	10	U
606-20-2	2,6-Dinitrotoluene	10	U
99-09-2	3-Nitroaniline	25	U
83-32-9	Acenaphthene	10	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO. (ORIGINAL)

CKY19

Lab Name: COMPUCHEM,RTP Contract: 68D10083

Lab Code: COMPU Case No.: 18347 SAS No.: _____ SDG No.: CKY14

Matrix: (soil/water) WATER Lab Sample ID: 499440

Sample wt/vol: 1000 (g/mL) ML Lab File ID: GH099440B02

Level: (low/med) LOW Date Received: 06/24/92

% Moisture: _____ decanted: (Y/N) ___ Date Extracted: 06/26/92

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 06/30/92

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ____

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

CAS NO.	COMPOUND		Q
51-28-5	2,4-Dinitrophenol	25	U
100-02-7	4-Nitrophenol	25	U
132-64-9	Dibenzofuran	10	U
121-14-2	2,4-Dinitrotoluene	10	U
84-66-2	Diethylphthalate	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
86-73-7	Fluorene	10	U
100-01-6	4-Nitroaniline	25	U
534-52-1	4,6-Dinitro-2-Methylphenol	25	U
86-30-6	N-Nitrosodiphenylamine (1)	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
87-86-5	Pentachlorophenol	25	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
86-74-8	Carbazole	10	U
84-74-2	Di-n-Butylphthalate	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butylbenzylphthalate	10	U
91-94-1	3,3'-Dichlorobenzidine	10	U
56-55-3	Benzo(a)Anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	bis(2-Ethylhexyl)Phthalate	2	BJ
117-84-0	Di-n-Octyl Phthalate	10	U
205-99-2	Benzo(b)Fluoranthene	10	U
207-08-9	Benzo(k)Fluoranthene	10	U
50-32-8	Benzo(a)Pyrene	10	U
193-39-5	Indeno(1,2,3-cd)Pyrene	10	U
53-70-3	Dibenz(a,h)Anthracene	10	U
191-24-2	Benzo(g,h,i)Perylene	10	U

(1) - Cannot be separated from Diphenylamine

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
ORIGINAL (Red)
CKY20

Lab Name: COMPUCHEM,RTP Contract: 68D10083

Lab Code: COMPU Case No.: 18347 SAS No.: _____ SDG No.: CKY14

Matrix: (soil/water) WATER Lab Sample ID: 499441

Sample wt/vol: 1000 (g/mL) ML Lab File ID: GH099441B02

Level: (low/med) LOW Date Received: 06/24/92

% Moisture: _____ decanted: (Y/N) ___ Date Extracted: 06/26/92

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 06/30/92

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ____

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

CAS NO.	COMPOUND		Q
108-95-2	Phenol	10	U
111-44-4	bis(2-Chloroethyl)Ether	10	U
95-57-8	2-Chlorophenol	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
95-48-7	2-Methylphenol	10	U
108-60-1	2,2'-Oxybis(1-Chloropropane)	10	U
106-44-5	4-Methylphenol	10	U
621-64-7	N-Nitroso-Di-n-Propylamine	10	U
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
111-91-1	bis(2-Chloroethoxy)Methane	10	U
120-83-2	2,4-Dichlorophenol	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
59-50-7	4-Chloro-3-Methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	25	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	25	U
131-11-3	Dimethyl Phthalate	10	U
208-96-8	Acenaphthylene	10	U
606-20-2	2,6-Dinitrotoluene	10	U
99-09-2	3-Nitroaniline	25	U
83-32-9	Acenaphthene	10	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CKY20

Lab Name: COMPUCHEM,RTP Contract: 68D10083

Lab Code: COMPU Case No.: 18347 SAS No.: _____ SDG No.: CKY14

Matrix: (soil/water) WATER Lab Sample ID: 499441

Sample wt/vol: 1000 (g/mL) ML Lab File ID: GH099441B02

Level: (low/med) LOW Date Received: 06/24/92

% Moisture: _____ decanted: (Y/N) ___ Date Extracted: 06/26/92

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 06/30/92

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ____

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
51-28-5	2,4-Dinitrophenol	25	U
100-02-7	4-Nitrophenol	25	U
132-64-9	Dibenzofuran	10	U
121-14-2	2,4-Dinitrotoluene	10	U
84-66-2	Diethylphthalate	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
86-73-7	Fluorene	10	U
100-01-6	4-Nitroaniline	25	U
534-52-1	4,6-Dinitro-2-Methylphenol	25	U
86-30-6	N-Nitrosodiphenylamine (1)	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
87-86-5	Pentachlorophenol	25	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
86-74-8	Carbazole	10	U
84-74-2	Di-n-Butylphthalate	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butylbenzylphthalate	10	U
91-94-1	3,3'-Dichlorobenzidine	10	U
56-55-3	Benzo(a)Anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	bis(2-Ethylhexyl)Phthalate	6	BJ
117-84-0	Di-n-Octyl Phthalate	10	U
205-99-2	Benzo(b)Fluoranthene	10	U
207-08-9	Benzo(k)Fluoranthene	10	U
50-32-8	Benzo(a)Pyrene	10	U
193-39-5	Indeno(1,2,3-cd)Pyrene	10	U
53-70-3	Dibenz(a,h)Anthracene	10	U
191-24-2	Benzo(g,h,i)Perylene	10	U

(1) - Cannot be separated from Diphenylamine

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
ORIGINAL (Red)
CKY22

Lab Name: COMPUCHEM,RTP Contract: 68D10083

Lab Code: COMPU Case No.: 18347 SAS No.: _____ SDG No.: CKY14

Matrix: (soil/water) WATER Lab Sample ID: 499442

Sample wt/vol: 1000 (g/mL) ML Lab File ID: GH099442B02

Level: (low/med) LOW Date Received: 06/24/92

% Moisture: _____ decanted: (Y/N) ___ Date Extracted: 06/26/92

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 06/30/92

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ____

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

CAS NO.	COMPOUND		Q
108-95-2	Phenol	2	BJ
111-44-4	bis(2-Chloroethyl)Ether	10	U
95-57-8	2-Chlorophenol	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
95-48-7	2-Methylphenol	10	U
108-60-1	2,2'-Oxybis(1-Chloropropane)	10	U
106-44-5	4-Methylphenol	10	U
621-64-7	N-Nitroso-Di-n-Propylamine	10	U
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
111-91-1	bis(2-Chloroethoxy)Methane	10	U
120-83-2	2,4-Dichlorophenol	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
59-50-7	4-Chloro-3-Methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	25	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	25	U
131-11-3	Dimethyl Phthalate	10	U
208-96-8	Acenaphthylene	10	U
606-20-2	2,6-Dinitrotoluene	10	U
99-09-2	3-Nitroaniline	25	U
83-32-9	Acenaphthene	10	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CKY22

Lab Name: COMPUCHEM,RTP Contract: 68D10083

Lab Code: COMPU Case No.: 18347 SAS No.: _____ SDG No.: CKY14

Matrix: (soil/water) WATER Lab Sample ID: 499442

Sample wt/vol: 1000 (g/mL) ML Lab File ID: GH099442B02

Level: (low/med) LOW Date Received: 06/24/92

% Moisture: _____ decanted: (Y/N) ___ Date Extracted: 06/26/92

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 06/30/92

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

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

CAS NO.	COMPOUND		Q
51-28-5	2,4-Dinitrophenol	25	U
100-02-7	4-Nitrophenol	25	U
132-64-9	Dibenzofuran	10	U
121-14-2	2,4-Dinitrotoluene	10	U
84-66-2	Diethylphthalate	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
86-73-7	Fluorene	10	U
100-01-6	4-Nitroaniline	25	U
534-52-1	4,6-Dinitro-2-Methylphenol	25	U
86-30-6	N-Nitrosodiphenylamine (1)	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
87-86-5	Pentachlorophenol	25	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
86-74-8	Carbazole	10	U
84-74-2	Di-n-Butylphthalate	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butylbenzylphthalate	10	U
91-94-1	3,3'-Dichlorobenzidine	10	U
56-55-3	Benzo(a)Anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	bis(2-Ethylhexyl)Phthalate	6	BJ
117-84-0	Di-n-Octyl Phthalate	10	U
205-99-2	Benzo(b)Fluoranthene	10	U
207-08-9	Benzo(k)Fluoranthene	10	U
50-32-8	Benzo(a)Pyrene	10	U
193-39-5	Indeno(1,2,3-cd)Pyrene	10	U
53-70-3	Dibenz(a,h)Anthracene	10	U
191-24-2	Benzo(g,h,i)Perylene	10	U

(1) - Cannot be separated from Diphenylamine

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CKY23 (Red)

Lab Name: COMPUCHEM,RTP Contract: 68D10083

Lab Code: COMPU Case No.: 18347 SAS No.: _____ SDG No.: CKY14

Matrix: (soil/water) WATER Lab Sample ID: 499444

Sample wt/vol: 1000 (g/mL) ML Lab File ID: GH099444B02

Level: (low/med) LOW Date Received: 06/24/92

% Moisture: _____ decanted: (Y/N) ___ Date Extracted: 06/26/92

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 06/30/92

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ____

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

CAS NO.	COMPOUND		Q
108-95-2	Phenol	10	U
111-44-4	bis(2-Chloroethyl)Ether	10	U
95-57-8	2-Chlorophenol	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
95-48-7	2-Methylphenol	10	U
108-60-1	2,2'-Oxybis(1-Chloropropane)	10	U
106-44-5	4-Methylphenol	10	U
621-64-7	N-Nitroso-Di-n-Propylamine	10	U
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
111-91-1	bis(2-Chloroethoxy)Methane	10	U
120-83-2	2,4-Dichlorophenol	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
59-50-7	4-Chloro-3-Methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	25	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	25	U
131-11-3	Dimethyl Phthalate	10	U
208-96-8	Acenaphthylene	10	U
606-20-2	2,6-Dinitrotoluene	10	U
99-09-2	3-Nitroaniline	25	U
83-32-9	Acenaphthene	10	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CKY20 ORIGINAL (Red)

Lab Name: COMPUCHEM, RTP Contract: 68D10083

Lab Code: COMPU Case No.: 18347 SAS No.: _____ SDG No.: CKY14

Matrix: (soil/water) WATER Lab Sample ID: 499444

Sample wt/vol: 1000 (g/mL) ML Lab File ID: GH099444B02

Level: (low/med) LOW Date Received: 06/24/92

% Moisture: _____ decanted: (Y/N) ___ Date Extracted: 06/26/92

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 06/30/92

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ____

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
51-28-5	2,4-Dinitrophenol	25	U
100-02-7	4-Nitrophenol	25	U
132-64-9	Dibenzofuran	10	U
121-14-2	2,4-Dinitrotoluene	10	U
84-66-2	Diethylphthalate	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
86-73-7	Fluorene	10	U
100-01-6	4-Nitroaniline	25	U
534-52-1	4,6-Dinitro-2-Methylphenol	25	U
86-30-6	N-Nitrosodiphenylamine (1)	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
87-86-5	Pentachlorophenol	25	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
86-74-8	Carbazole	10	U
84-74-2	Di-n-Butylphthalate	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butylbenzylphthalate	10	U
91-94-1	3,3'-Dichlorobenzidine	10	U
56-55-3	Benzo(a)Anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	bis(2-Ethylhexyl)Phthalate	3	BJ
117-84-0	Di-n-Octyl Phthalate	10	U
205-99-2	Benzo(b)Fluoranthene	10	U
207-08-9	Benzo(k)Fluoranthene	10	U
50-32-8	Benzo(a)Pyrene	10	U
193-39-5	Indeno(1,2,3-cd)Pyrene	10	U
53-70-3	Dibenz(a,h)Anthracene	10	U
191-24-2	Benzo(g,h,i)Perylene	10	U

(1) - Cannot be separated from Diphenylamine

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
ORIGINAL (Red)
CKY24

Lab Name: COMPUCHEM,RTP Contract: 68D10083

Lab Code: COMPU Case No.: 18347 SAS No.: _____ SDG No.: CKY14

Matrix: (soil/water) WATER Lab Sample ID: 499445

Sample wt/vol: 1000 (g/mL) ML Lab File ID: GH099445A07

Level: (low/med) LOW Date Received: 06/24/92

% Moisture: _____ decanted: (Y/N) ___ Date Extracted: 06/25/92

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 06/30/92

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ____

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

CAS NO.	COMPOUND		Q
108-95-2	Phenol	10	U
111-44-4	bis(2-Chloroethyl)Ether	10	U
95-57-8	2-Chlorophenol	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
95-48-7	2-Methylphenol	10	U
108-60-1	2,2'-Oxybis(1-Chloropropane)	10	U
106-44-5	4-Methylphenol	10	U
621-64-7	N-Nitroso-Di-n-Propylamine	10	U
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
111-91-1	bis(2-Chloroethoxy)Methane	10	U
120-83-2	2,4-Dichlorophenol	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
59-50-7	4-Chloro-3-Methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	25	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	25	U
131-11-3	Dimethyl Phthalate	10	U
208-96-8	Acenaphthylene	10	U
606-20-2	2,6-Dinitrotoluene	10	U
99-09-2	3-Nitroaniline	25	U
83-32-9	Acenaphthene	10	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CKY24 ORIGINAL (Red)

Lab Name: COMPUCHEM,RTP Contract: 68D10083

Lab Code: COMPU Case No.: 18347 SAS No.: _____ SDG No.: CKY14

Matrix: (soil/water) WATER Lab Sample ID: 499445

Sample wt/vol: 1000 (g/mL) ML Lab File ID: GH099445A07

Level: (low/med) LOW Date Received: 06/24/92

% Moisture: _____ decanted: (Y/N) ___ Date Extracted: 06/25/92

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 06/30/92

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ____

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
51-28-5	2,4-Dinitrophenol	25	U
100-02-7	4-Nitrophenol	25	U
132-64-9	Dibenzofuran	10	U
121-14-2	2,4-Dinitrotoluene	10	U
84-66-2	Diethylphthalate	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
86-73-7	Fluorene	10	U
100-01-6	4-Nitroaniline	25	U
534-52-1	4,6-Dinitro-2-Methylphenol	25	U
86-30-6	N-Nitrosodiphenylamine (1)	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
87-86-5	Pentachlorophenol	25	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
86-74-8	Carbazole	10	U
84-74-2	Di-n-Butylphthalate	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butylbenzylphthalate	10	U
91-94-1	3,3'-Dichlorobenzidine	10	U
56-55-3	Benzo(a)Anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	bis(2-Ethylhexyl)Phthalate	3	BJ
117-84-0	Di-n-Octyl Phthalate	10	U
205-99-2	Benzo(b)Fluoranthene	10	U
207-08-9	Benzo(k)Fluoranthene	10	U
50-32-8	Benzo(a)Pyrene	10	U
193-39-5	Indeno(1,2,3-cd)Pyrene	10	U
53-70-3	Dibenz(a,h)Anthracene	10	U
191-24-2	Benzo(g,h,i)Perylene	10	U

(1) - Cannot be separated from Diphenylamine

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
ORIGINAL (Red)
CKY25

Lab Name: COMPUCHEM,RTP Contract: 68D10083

Lab Code: COMPU Case No.: 18347 SAS No.: _____ SDG No.: CKY14

Matrix: (soil/water) WATER Lab Sample ID: 499447

Sample wt/vol: 1000 (g/mL) ML Lab File ID: GH099447A07

Level: (low/med) LOW Date Received: 06/24/92

% Moisture: _____ decanted: (Y/N) ___ Date Extracted: 06/25/92

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 06/30/92

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ____

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	10	U
111-44-4	bis(2-Chloroethyl)Ether	10	U
95-57-8	2-Chlorophenol	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
95-48-7	2-Methylphenol	10	U
108-60-1	2,2'-Oxybis(1-Chloropropane)	10	U
106-44-5	4-Methylphenol	10	U
621-64-7	N-Nitroso-Di-n-Propylamine	10	U
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
111-91-1	bis(2-Chloroethoxy)Methane	10	U
120-83-2	2,4-Dichlorophenol	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
59-50-7	4-Chloro-3-Methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	25	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	25	U
131-11-3	Dimethyl Phthalate	10	U
208-96-8	Acenaphthylene	10	U
606-20-2	2,6-Dinitrotoluene	10	U
99-09-2	3-Nitroaniline	25	U
83-32-9	Acenaphthene	10	U

ORIGINAL (Red)

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CKY25

Lab Name: COMPUCHEM,RTP Contract: 68D10083

Lab Code: COMPU Case No.: 18347 SAS No.: _____ SDG No.: CKY14

Matrix: (soil/water) WATER Lab Sample ID: 499447

Sample wt/vol: 1000 (g/mL) ML Lab File ID: GH099447A07

Level: (low/med) LOW Date Received: 06/24/92

% Moisture: _____ decanted: (Y/N) ___ Date Extracted: 06/25/92

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 06/30/92

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ____

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
51-28-5	2,4-Dinitrophenol	25	U
100-02-7	4-Nitrophenol	25	U
132-64-9	Dibenzofuran	10	U
121-14-2	2,4-Dinitrotoluene	10	U
84-66-2	Diethylphthalate	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
86-73-7	Fluorene	10	U
100-01-6	4-Nitroaniline	25	U
534-52-1	4,6-Dinitro-2-Methylphenol	25	U
86-30-6	N-Nitrosodiphenylamine (1)	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
87-86-5	Pentachlorophenol	25	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
86-74-8	Carbazole	10	U
84-74-2	Di-n-Butylphthalate	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butylbenzylphthalate	10	U
91-94-1	3,3'-Dichlorobenzidine	10	U
56-55-3	Benzo(a)Anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	bis(2-Ethylhexyl)Phthalate	1	BJ
117-84-0	Di-n-Octyl Phthalate	10	U
205-99-2	Benzo(b)Fluoranthene	10	U
207-08-9	Benzo(k)Fluoranthene	10	U
50-32-8	Benzo(a)Pyrene	10	U
193-39-5	Indeno(1,2,3-cd)Pyrene	10	U
53-70-3	Dibenz(a,h)Anthracene	10	U
191-24-2	Benzo(g,h,i)Perylene	10	U

(1) - Cannot be separated from Diphenylamine

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

ORIGINAL (Red)
CKY26

Lab Name: COMPUCHEM,RTP Contract: 68D10083

Lab Code: COMPU Case No.: 18347 SAS No.: _____ SDG No.: CKY14

Matrix: (soil/water) WATER Lab Sample ID: 499449

Sample wt/vol: 1000 (g/mL) ML Lab File ID: GH099449A07

Level: (low/med) LOW Date Received: 06/24/92

% Moisture: _____ decanted: (Y/N) ___ Date Extracted: 06/25/92

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 06/30/92

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	10	U
111-44-4	bis(2-Chloroethyl)Ether	10	U
95-57-8	2-Chlorophenol	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
95-48-7	2-Methylphenol	10	U
108-60-1	2,2'-Oxybis(1-Chloropropane)	10	U
106-44-5	4-Methylphenol	10	U
621-64-7	N-Nitroso-Di-n-Propylamine	10	U
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
111-91-1	bis(2-Chloroethoxy)Methane	10	U
120-83-2	2,4-Dichlorophenol	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
59-50-7	4-Chloro-3-Methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	25	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	25	U
131-11-3	Dimethyl Phthalate	10	U
208-96-8	Acenaphthylene	10	U
606-20-2	2,6-Dinitrotoluene	10	U
99-09-2	3-Nitroaniline	25	U
83-32-9	Acenaphthene	10	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CKY26

Lab Name: COMPUCHEM,RTP Contract: 68D10083

Lab Code: COMPU Case No.: 18347 SAS No.: _____ SDG No.: CKY14

Matrix: (soil/water) WATER Lab Sample ID: 499449

Sample wt/vol: 1000 (g/mL) ML Lab File ID: GH099449A07

Level: (low/med) LOW Date Received: 06/24/92

% Moisture: _____ decanted: (Y/N) ___ Date Extracted: 06/25/92

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 06/30/92

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ____

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

CAS NO.	COMPOUND		Q
51-28-5	2,4-Dinitrophenol	25	U
100-02-7	4-Nitrophenol	25	U
132-64-9	Dibenzofuran	10	U
121-14-2	2,4-Dinitrotoluene	10	U
84-66-2	Diethylphthalate	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
86-73-7	Fluorene	10	U
100-01-6	4-Nitroaniline	25	U
534-52-1	4,6-Dinitro-2-Methylphenol	25	U
86-30-6	N-Nitrosodiphenylamine (1)	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
87-86-5	Pentachlorophenol	25	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
86-74-8	Carbazole	10	U
84-74-2	Di-n-Butylphthalate	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butylbenzylphthalate	10	U
91-94-1	3,3'-Dichlorobenzidine	10	U
56-55-3	Benzo(a)Anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	bis(2-Ethylhexyl)Phthalate	2	BJ
117-84-0	Di-n-Octyl Phthalate	10	U
205-99-2	Benzo(b)Fluoranthene	10	U
207-08-9	Benzo(k)Fluoranthene	10	U
50-32-8	Benzo(a)Pyrene	10	U
193-39-5	Indeno(1,2,3-cd)Pyrene	10	U
53-70-3	Dibenz(a,h)Anthracene	10	U
191-24-2	Benzo(g,h,i)Perylene	10	U

(1) - Cannot be separated from Diphenylamine

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CKY28

Lab Name: COMPUCHEM,RTP Contract: 68D10083

Lab Code: COMPU Case No.: 18347 SAS No.: _____ SDG No.: CKY28

Matrix: (soil/water) SOIL Lab Sample ID: 499452

Sample wt/vol: 30.1 (g/mL) G Lab File ID: GR099452A57

Level: (low/med) LOW Date Received: 06/24/92

% Moisture: 19 decanted: (Y/N) N Date Extracted: 07/07/92

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 07/09/92

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.2

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	410	U
111-44-4	bis(2-Chloroethyl)Ether	410	U
95-57-8	2-Chlorophenol	410	U
541-73-1	1,3-Dichlorobenzene	410	U
106-46-7	1,4-Dichlorobenzene	410	U
95-50-1	1,2-Dichlorobenzene	410	U
95-48-7	2-Methylphenol	410	U
108-60-1	2,2'-Oxybis(1-Chloropropane)	410	U
106-44-5	4-Methylphenol	410	U
621-64-7	N-Nitroso-Di-n-Propylamine	410	U
67-72-1	Hexachloroethane	410	U
98-95-3	Nitrobenzene	410	U
78-59-1	Isophorone	410	U
88-75-5	2-Nitrophenol	410	U
105-67-9	2,4-Dimethylphenol	410	U
111-91-1	bis(2-Chloroethoxy)Methane	410	U
120-83-2	2,4-Dichlorophenol	410	U
120-82-1	1,2,4-Trichlorobenzene	410	U
91-20-3	Naphthalene	410	U
106-47-8	4-Chloroaniline	410	U
87-68-3	Hexachlorobutadiene	410	U
59-50-7	4-Chloro-3-Methylphenol	410	U
91-57-6	2-Methylnaphthalene	410	U
77-47-4	Hexachlorocyclopentadiene	410	U
88-06-2	2,4,6-Trichlorophenol	410	U
95-95-4	2,4,5-Trichlorophenol	980	U
91-58-7	2-Chloronaphthalene	410	U
88-74-4	2-Nitroaniline	980	U
131-11-3	Dimethyl Phthalate	410	U
208-96-8	Acenaphthylene	410	U
606-20-2	2,6-Dinitrotoluene	410	U
99-09-2	3-Nitroaniline	980	U
83-32-9	Acenaphthene	410	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

ORIGINAL (Red)

CKY28

Lab Name: COMPUCHEM,RTP Contract: 68D10083

Lab Code: COMPU Case No.: 18347 SAS No.: _____ SDG No.: CKY28

Matrix: (soil/water) SOIL Lab Sample ID: 499452

Sample wt/vol: 30.1 (g/mL) G Lab File ID: GR099452A57

Level: (low/med) LOW Date Received: 06/24/92

% Moisture: 19 decanted: (Y/N) N Date Extracted: 07/07/92

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 07/09/92

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.2

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	980	U
100-02-7	4-Nitrophenol	980	U
132-64-9	Dibenzofuran	410	U
121-14-2	2,4-Dinitrotoluene	410	U
84-66-2	Diethylphthalate	410	U
7005-72-3	4-Chlorophenyl-phenylether	410	U
86-73-7	Fluorene	410	U
100-01-6	4-Nitroaniline	980	U
534-52-1	4,6-Dinitro-2-Methylphenol	980	U
86-30-6	N-Nitrosodiphenylamine (1)	410	U
101-55-3	4-Bromophenyl-phenylether	410	U
118-74-1	Hexachlorobenzene	410	U
87-86-5	Pentachlorophenol	980	U
85-01-8	Phenanthrene	410	U
120-12-7	Anthracene	410	U
86-74-8	Carbazole	410	U
84-74-2	Di-n-Butylphthalate	410	U
206-44-0	Fluoranthene	410	U
129-00-0	Pyrene	410	U
85-68-7	Butylbenzylphthalate	410	U
91-94-1	3,3'-Dichlorobenzidine	410	U
56-55-3	Benzo(a)Anthracene	410	U
218-01-9	Chrysene	410	U
117-81-7	bis(2-Ethylhexyl)Phthalate	410	U
117-84-0	Di-n-Octyl Phthalate	410	U
205-99-2	Benzo(b)Fluoranthene	410	U
207-08-9	Benzo(k)Fluoranthene	410	U
50-32-8	Benzo(a)Pyrene	410	U
193-39-5	Indeno(1,2,3-cd)Pyrene	410	U
53-70-3	Dibenz(a,h)Anthracene	410	U
191-24-2	Benzo(g,h,i)Perylene	410	U

(1) - Cannot be separated from Diphenylamine

SAMPLE DATA PACKAGE

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CKY29

Lab Name: COMPUCHEM,RTP Contract: 68D10083

Lab Code: COMPU Case No.: 18347 SAS No.: _____ SDG No.: CKY28

Matrix: (soil/water) SOIL Lab Sample ID: 499459

Sample wt/vol: 30.7 (g/mL) G Lab File ID: G2R99459A05

Level: (low/med) LOW Date Received: 06/24/92

% Moisture: 17 decanted: (Y/N) N Date Extracted: 07/10/92

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 07/15/92

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 6.6

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	390	U
111-44-4	bis(2-Chloroethyl)Ether	390	U
95-57-8	2-Chlorophenol	390	U
541-73-1	1,3-Dichlorobenzene	390	U
106-46-7	1,4-Dichlorobenzene	390	U
95-50-1	1,2-Dichlorobenzene	390	U
95-48-7	2-Methylphenol	390	U
108-60-1	2,2'-Oxybis(1-Chloropropane)	390	U
106-44-5	4-Methylphenol	390	U
621-64-7	N-Nitroso-Di-n-Propylamine	390	U
67-72-1	Hexachloroethane	390	U
98-95-3	Nitrobenzene	390	U
78-59-1	Isophorone	390	U
88-75-5	2-Nitrophenol	390	U
105-67-9	2,4-Dimethylphenol	390	U
111-91-1	bis(2-Chloroethoxy)Methane	390	U
120-83-2	2,4-Dichlorophenol	390	U
120-82-1	1,2,4-Trichlorobenzene	390	U
91-20-3	Naphthalene	390	U
106-47-8	4-Chloroaniline	390	U
87-68-3	Hexachlorobutadiene	390	U
59-50-7	4-Chloro-3-Methylphenol	390	U
91-57-6	2-Methylnaphthalene	92	J
77-47-4	Hexachlorocyclopentadiene	390	U
88-06-2	2,4,6-Trichlorophenol	390	U
95-95-4	2,4,5-Trichlorophenol	940	U
91-58-7	2-Chloronaphthalene	390	U
88-74-4	2-Nitroaniline	940	U
131-11-3	Dimethyl Phthalate	390	U
208-96-8	Acenaphthylene	390	U
606-20-2	2,6-Dinitrotoluene	390	U
99-09-2	3-Nitroaniline	940	U
83-32-9	Acenaphthene	390	U

SAMPLE DATA PACKAGE

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
ORIGINAL (Red)
CKY29

Lab Name: COMPUCHEM,RTP Contract: 68D10083

Lab Code: COMPU Case No.: 18347 SAS No.: _____ SDG No.: CKY28

Matrix: (soil/water) SOIL Lab Sample ID: 499459

Sample wt/vol: 30.7 (g/mL) G Lab File ID: G2R99459A05

Level: (low/med) LOW Date Received: 06/24/92

% Moisture: 17 decanted: (Y/N) N Date Extracted: 07/10/92

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 07/15/92

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 6.6

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	940	U
100-02-7	4-Nitrophenol	940	U
132-64-9	Dibenzofuran	390	U
121-14-2	2,4-Dinitrotoluene	390	U
84-66-2	Diethylphthalate	390	U
7005-72-3	4-Chlorophenyl-phenylether	390	U
86-73-7	Fluorene	390	U
100-01-6	4-Nitroaniline	940	U
534-52-1	4,6-Dinitro-2-Methylphenol	940	U
86-30-6	N-Nitrosodiphenylamine (1)	390	U
101-55-3	4-Bromophenyl-phenylether	390	U
118-74-1	Hexachlorobenzene	390	U
87-86-5	Pentachlorophenol	940	U
85-01-8	Phenanthrene	130	J
120-12-7	Anthracene	390	U
86-74-8	Carbazole	390	U
84-74-2	Di-n-Butylphthalate	390	U
206-44-0	Fluoranthene	120	J
129-00-0	Pyrene	85	J
85-68-7	Butylbenzylphthalate	46	BJ
91-94-1	3,3'-Dichlorobenzidine	390	U
56-55-3	Benzo(a)Anthracene	110	J
218-01-9	Chrysene	120	J
117-81-7	bis(2-Ethylhexyl)Phthalate	93	J
117-84-0	Di-n-Octyl Phthalate	390	U
205-99-2	Benzo(b)Fluoranthene	250	JX
207-08-9	Benzo(k)Fluoranthene	250	JX
50-32-8	Benzo(a)Pyrene	120	J
193-39-5	Indeno(1,2,3-cd)Pyrene	64	J
53-70-3	Dibenz(a,h)Anthracene	390	U
191-24-2	Benzo(g,h,i)Perylene	390	U

(1) - Cannot be separated from Diphenylamine

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
CKY30

Lab Name: COMPUCHEM,RTP Contract: 68D10083

Lab Code: COMPU Case No.: 18347 SAS No.: _____ SDG No.: CKY28

Matrix: (soil/water) SOIL Lab Sample ID: 499463

Sample wt/vol: 30.0 (g/mL) G Lab File ID: GH099463A15

Level: (low/med) LOW Date Received: 06/24/92

% Moisture: 40 decanted: (Y/N) N Date Extracted: 06/26/92

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 07/01/92

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 5.5

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	550	U
111-44-4	bis(2-Chloroethyl)Ether	550	U
95-57-8	2-Chlorophenol	550	U
541-73-1	1,3-Dichlorobenzene	550	U
106-46-7	1,4-Dichlorobenzene	550	U
95-50-1	1,2-Dichlorobenzene	550	U
95-48-7	2-Methylphenol	550	U
108-60-1	2,2'-Oxybis(1-Chloropropane)	550	U
106-44-5	4-Methylphenol	62	J
621-64-7	N-Nitroso-Di-n-Propylamine	550	U
67-72-1	Hexachloroethane	550	U
98-95-3	Nitrobenzene	550	U
78-59-1	Isophorone	550	U
88-75-5	2-Nitrophenol	550	U
105-67-9	2,4-Dimethylphenol	550	U
111-91-1	bis(2-Chloroethoxy)Methane	550	U
120-83-2	2,4-Dichlorophenol	550	U
120-82-1	1,2,4-Trichlorobenzene	550	U
91-20-3	Naphthalene	550	U
106-47-8	4-Chloroaniline	550	U
87-68-3	Hexachlorobutadiene	550	U
59-50-7	4-Chloro-3-Methylphenol	550	U
91-57-6	2-Methylnaphthalene	550	U
77-47-4	Hexachlorocyclopentadiene	550	U
88-06-2	2,4,6-Trichlorophenol	550	U
95-95-4	2,4,5-Trichlorophenol	1300	U
91-58-7	2-Chloronaphthalene	550	U
88-74-4	2-Nitroaniline	1300	U
131-11-3	Dimethyl Phthalate	550	U
208-96-8	Acenaphthylene	550	U
606-20-2	2,6-Dinitrotoluene	550	U
99-09-2	3-Nitroaniline	1300	U
83-32-9	Acenaphthene	550	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CKY30 ORIGINAL (Red)

Lab Name: COMPUCHEM,RTP Contract: 68D10083

Lab Code: COMPU Case No.: 18347 SAS No.: _____ SDG No.: CKY28

Matrix: (soil/water) SOIL Lab Sample ID: 499463

Sample wt/vol: 30.0 (g/mL) G Lab File ID: GH099463A15

Level: (low/med) LOW Date Received: 06/24/92

% Moisture: 40 decanted: (Y/N) N Date Extracted: 06/26/92

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 07/01/92

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 5.5

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

CAS NO.	COMPOUND		Q
51-28-5	2,4-Dinitrophenol	1300	U
100-02-7	4-Nitrophenol	1300	U
132-64-9	Dibenzofuran	550	U
121-14-2	2,4-Dinitrotoluene	550	U
84-66-2	Diethylphthalate	550	U
7005-72-3	4-Chlorophenyl-phenylether	550	U
86-73-7	Fluorene	550	U
100-01-6	4-Nitroaniline	1300	U
534-52-1	4,6-Dinitro-2-Methylphenol	1300	U
86-30-6	N-Nitrosodiphenylamine (1)	550	U
101-55-3	4-Bromophenyl-phenylether	550	U
118-74-1	Hexachlorobenzene	550	U
87-86-5	Pentachlorophenol	1300	U
85-01-8	Phenanthrene	56	J
120-12-7	Anthracene	550	U
86-74-8	Carbazole	550	U
84-74-2	Di-n-Butylphthalate	550	U
206-44-0	Fluoranthene	550	U
129-00-0	Pyrene	550	U
85-68-7	Butylbenzylphthalate	240	BJ
91-94-1	3,3'-Dichlorobenzidine	550	U
56-55-3	Benzo(a)Anthracene	550	U
218-01-9	Chrysene	550	U
117-81-7	bis(2-Ethylhexyl)Phthalate	550	U
117-84-0	Di-n-Octyl Phthalate	550	U
205-99-2	Benzo(b)Fluoranthene	550	U
207-08-9	Benzo(k)Fluoranthene	550	U
50-32-8	Benzo(a)Pyrene	550	U
193-39-5	Indeno(1,2,3-cd)Pyrene	550	U
53-70-3	Dibenz(a,h)Anthracene	550	U
191-24-2	Benzo(g,h,i)Perylene	550	U

(1) - Cannot be separated from Diphenylamine

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

ORIGINAL (Red)

CKY31

Lab Name: COMPUCHEM,RTP Contract: 68D10083

Lab Code: COMPU Case No.: 18347 SAS No.: _____ SDG No.: CKY28

Matrix: (soil/water) SOIL Lab Sample ID: 499464

Sample wt/vol: 30.0 (g/mL) G Lab File ID: GR099464A57

Level: (low/med) LOW Date Received: 06/24/92

% Moisture: 23 decanted: (Y/N) N Date Extracted: 07/07/92

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 07/09/92

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.1

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	430	U
111-44-4	bis(2-Chloroethyl)Ether	430	U
95-57-8	2-Chlorophenol	430	U
541-73-1	1,3-Dichlorobenzene	430	U
106-46-7	1,4-Dichlorobenzene	430	U
95-50-1	1,2-Dichlorobenzene	430	U
95-48-7	2-Methylphenol	430	U
108-60-1	2,2'-Oxybis(1-Chloropropane)	430	U
106-44-5	4-Methylphenol	430	U
621-64-7	N-Nitroso-Di-n-Propylamine	430	U
67-72-1	Hexachloroethane	430	U
98-95-3	Nitrobenzene	430	U
78-59-1	Isophorone	430	U
88-75-5	2-Nitrophenol	430	U
105-67-9	2,4-Dimethylphenol	430	U
111-91-1	bis(2-Chloroethoxy)Methane	430	U
120-83-2	2,4-Dichlorophenol	430	U
120-82-1	1,2,4-Trichlorobenzene	430	U
91-20-3	Naphthalene	430	U
106-47-8	4-Chloroaniline	430	U
87-68-3	Hexachlorobutadiene	430	U
59-50-7	4-Chloro-3-Methylphenol	430	U
91-57-6	2-Methylnaphthalene	430	U
77-47-4	Hexachlorocyclopentadiene	430	U
88-06-2	2,4,6-Trichlorophenol	430	U
95-95-4	2,4,5-Trichlorophenol	1000	U
91-58-7	2-Chloronaphthalene	430	U
88-74-4	2-Nitroaniline	1000	U
131-11-3	Dimethyl Phthalate	430	U
208-96-8	Acenaphthylene	430	U
606-20-2	2,6-Dinitrotoluene	430	U
99-09-2	3-Nitroaniline	1000	U
83-32-9	Acenaphthene	430	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

ORIGINAL (red)

CKY31

Lab Name: COMPUCHEM,RTP Contract: 68D10083

Lab Code: COMPU Case No.: 18347 SAS No.: _____ SDG No.: CKY28

Matrix: (soil/water) SOIL Lab Sample ID: 499464

Sample wt/vol: 30.0 (g/mL) G Lab File ID: GR099464A57

Level: (low/med) LOW Date Received: 06/24/92

% Moisture: 23 decanted: (Y/N) N Date Extracted: 07/07/92

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 07/09/92

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.1

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	1000	U
100-02-7	4-Nitrophenol	1000	U
132-64-9	Dibenzofuran	430	U
121-14-2	2,4-Dinitrotoluene	430	U
84-66-2	Diethylphthalate	430	U
7005-72-3	4-Chlorophenyl-phenylether	430	U
86-73-7	Fluorene	430	U
100-01-6	4-Nitroaniline	1000	U
534-52-1	4,6-Dinitro-2-Methylphenol	1000	U
86-30-6	N-Nitrosodiphenylamine (1)	430	U
101-55-3	4-Bromophenyl-phenylether	430	U
118-74-1	Hexachlorobenzene	430	U
87-86-5	Pentachlorophenol	1000	U
85-01-8	Phenanthrene	430	U
120-12-7	Anthracene	430	U
86-74-8	Carbazole	430	U
84-74-2	Di-n-Butylphthalate	430	U
206-44-0	Fluoranthene	430	U
129-00-0	Pyrene	430	U
85-68-7	Butylbenzylphthalate	430	U
91-94-1	3,3'-Dichlorobenzidine	430	U
56-55-3	Benzo(a)Anthracene	430	U
218-01-9	Chrysene	430	U
117-81-7	bis(2-Ethylhexyl)Phthalate	430	U
117-84-0	Di-n-Octyl Phthalate	430	U
205-99-2	Benzo(b)Fluoranthene	430	U
207-08-9	Benzo(k)Fluoranthene	430	U
50-32-8	Benzo(a)Pyrene	430	U
193-39-5	Indeno(1,2,3-cd)Pyrene	430	U
53-70-3	Dibenz(a,h)Anthracene	430	U
191-24-2	Benzo(g,h,i)Perylene	430	U

(1) - Cannot be separated from Diphenylamine

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CKY32

Lab Name: COMPUCHEM,RTP Contract: 68D10083

Lab Code: COMPU Case No.: 18347 SAS No.: _____ SDG No.: CKY28

Matrix: (soil/water) SOIL Lab Sample ID: 499465

Sample wt/vol: 30.0 (g/mL) G Lab File ID: GH099465A15

Level: (low/med) LOW Date Received: 06/24/92

% Moisture: 18 decanted: (Y/N) N Date Extracted: 06/26/92

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 07/01/92

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 6.5

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

CAS NO.	COMPOUND		Q
108-95-2	Phenol	400	U
111-44-4	bis(2-Chloroethyl)Ether	400	U
95-57-8	2-Chlorophenol	400	U
541-73-1	1,3-Dichlorobenzene	400	U
106-46-7	1,4-Dichlorobenzene	400	U
95-50-1	1,2-Dichlorobenzene	400	U
95-48-7	2-Methylphenol	400	U
108-60-1	2,2'-Oxybis(1-Chloropropane)	400	U
106-44-5	4-Methylphenol	400	U
621-64-7	N-Nitroso-Di-n-Propylamine	400	U
67-72-1	Hexachloroethane	400	U
98-95-3	Nitrobenzene	400	U
78-59-1	Isophorone	400	U
88-75-5	2-Nitrophenol	400	U
105-67-9	2,4-Dimethylphenol	400	U
111-91-1	bis(2-Chloroethoxy)Methane	400	U
120-83-2	2,4-Dichlorophenol	400	U
120-82-1	1,2,4-Trichlorobenzene	400	U
91-20-3	Naphthalene	400	U
106-47-8	4-Chloroaniline	400	U
87-68-3	Hexachlorobutadiene	400	U
59-50-7	4-Chloro-3-Methylphenol	400	U
91-57-6	2-Methylnaphthalene	400	U
77-47-4	Hexachlorocyclopentadiene	400	U
88-06-2	2,4,6-Trichlorophenol	400	U
95-95-4	2,4,5-Trichlorophenol	980	U
91-58-7	2-Chloronaphthalene	400	U
88-74-4	2-Nitroaniline	980	U
131-11-3	Dimethyl Phthalate	400	U
208-96-8	Acenaphthylene	400	U
606-20-2	2,6-Dinitrotoluene	400	U
99-09-2	3-Nitroaniline	980	U
83-32-9	Acenaphthene	400	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CKY32

Lab Name: COMPUCHEM,RTP Contract: 68D10083

Lab Code: COMPU Case No.: 18347 SAS No.: _____ SDG No.: CKY28

Matrix: (soil/water) SOIL Lab Sample ID: 499465

Sample wt/vol: 30.0 (g/mL) G Lab File ID: GH099465A15

Level: (low/med) LOW Date Received: 06/24/92

% Moisture: 18 decanted: (Y/N) N Date Extracted: 06/26/92

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 07/01/92

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 6.5

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	980	U
100-02-7	4-Nitrophenol	980	U
132-64-9	Dibenzofuran	400	U
121-14-2	2,4-Dinitrotoluene	400	U
84-66-2	Diethylphthalate	400	U
7005-72-3	4-Chlorophenyl-phenylether	400	U
86-73-7	Fluorene	400	U
100-01-6	4-Nitroaniline	980	U
534-52-1	4,6-Dinitro-2-Methylphenol	980	U
86-30-6	N-Nitrosodiphenylamine (1)	400	U
101-55-3	4-Bromophenyl-phenylether	400	U
118-74-1	Hexachlorobenzene	400	U
87-86-5	Pentachlorophenol	980	U
85-01-8	Phenanthrene	400	U
120-12-7	Anthracene	400	U
86-74-8	Carbazole	400	U
84-74-2	Di-n-Butylphthalate	400	U
206-44-0	Fluoranthene	400	U
129-00-0	Pyrene	400	U
85-68-7	Butylbenzylphthalate	180	BJ
91-94-1	3,3'-Dichlorobenzidine	400	U
56-55-3	Benzo(a)Anthracene	400	U
218-01-9	Chrysene	400	U
117-81-7	bis(2-Ethylhexyl)Phthalate	400	U
117-84-0	Di-n-Octyl Phthalate	400	U
205-99-2	Benzo(b)Fluoranthene	400	U
207-08-9	Benzo(k)Fluoranthene	400	U
50-32-8	Benzo(a)Pyrene	400	U
193-39-5	Indeno(1,2,3-cd)Pyrene	400	U
53-70-3	Dibenz(a,h)Anthracene	400	U
191-24-2	Benzo(g,h,i)Perylene	400	U

(1) - Cannot be separated from Diphenylamine

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CKY33 ORIGINAL (Red)

Lab Name: COMPUCHEM,RTP Contract: 68D10083

Lab Code: COMPU Case No.: 18347 SAS No.: _____ SDG No.: CKY28

Matrix: (soil/water) SOIL Lab Sample ID: 499466

Sample wt/vol: 30.0 (g/mL) G Lab File ID: GH099466A15

Level: (low/med) LOW Date Received: 06/24/92

% Moisture: 11 decanted: (Y/N) N Date Extracted: 06/26/92

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 07/02/92

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 5.9

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	370	U
111-44-4	bis(2-Chloroethyl)Ether	370	U
95-57-8	2-Chlorophenol	370	U
541-73-1	1,3-Dichlorobenzene	370	U
106-46-7	1,4-Dichlorobenzene	370	U
95-50-1	1,2-Dichlorobenzene	370	U
95-48-7	2-Methylphenol	370	U
108-60-1	2,2'-Oxybis(1-Chloropropane)	370	U
106-44-5	4-Methylphenol	370	U
621-64-7	N-Nitroso-Di-n-Propylamine	370	U
67-72-1	Hexachloroethane	370	U
98-95-3	Nitrobenzene	370	U
78-59-1	Isophorone	370	U
88-75-5	2-Nitrophenol	370	U
105-67-9	2,4-Dimethylphenol	370	U
111-91-1	bis(2-Chloroethoxy)Methane	370	U
120-83-2	2,4-Dichlorophenol	370	U
120-82-1	1,2,4-Trichlorobenzene	370	U
91-20-3	Naphthalene	370	U
106-47-8	4-Chloroaniline	370	U
87-68-3	Hexachlorobutadiene	370	U
59-50-7	4-Chloro-3-Methylphenol	370	U
91-57-6	2-Methylnaphthalene	370	U
77-47-4	Hexachlorocyclopentadiene	370	U
88-06-2	2,4,6-Trichlorophenol	370	U
95-95-4	2,4,5-Trichlorophenol	900	U
91-58-7	2-Chloronaphthalene	370	U
88-74-4	2-Nitroaniline	900	U
131-11-3	Dimethyl Phthalate	370	U
208-96-8	Acenaphthylene	370	U
606-20-2	2,6-Dinitrotoluene	370	U
99-09-2	3-Nitroaniline	900	U
83-32-9	Acenaphthene	370	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CKY33 (ORIGINAL Red)

Lab Name: COMPUCHEM,RTP Contract: 68D10083

Lab Code: COMPU Case No.: 18347 SAS No.: _____ SDG No.: CKY28

Matrix: (soil/water) SOIL Lab Sample ID: 499466

Sample wt/vol: 30.0 (g/mL) G Lab File ID: GH099466A15

Level: (low/med) LOW Date Received: 06/24/92

% Moisture: 11 decanted: (Y/N) N Date Extracted: 06/26/92

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 07/02/92

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 5.9

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	900	U
100-02-7	4-Nitrophenol	900	U
132-64-9	Dibenzofuran	370	U
121-14-2	2,4-Dinitrotoluene	370	U
84-66-2	Diethylphthalate	370	U
7005-72-3	4-Chlorophenyl-phenylether	370	U
86-73-7	Fluorene	370	U
100-01-6	4-Nitroaniline	900	U
534-52-1	4,6-Dinitro-2-Methylphenol	900	U
86-30-6	N-Nitrosodiphenylamine (1)	370	U
101-55-3	4-Bromophenyl-phenylether	370	U
118-74-1	Hexachlorobenzene	370	U
87-86-5	Pentachlorophenol	900	U
85-01-8	Phenanthrene	370	U
120-12-7	Anthracene	370	U
86-74-8	Carbazole	370	U
84-74-2	Di-n-Butylphthalate	370	U
206-44-0	Fluoranthene	370	U
129-00-0	Pyrene	370	U
85-68-7	Butylbenzylphthalate	160	BJ
91-94-1	3,3'-Dichlorobenzidine	370	U
56-55-3	Benzo(a)Anthracene	370	U
218-01-9	Chrysene	370	U
117-81-7	bis(2-Ethylhexyl)Phthalate	38	J
117-84-0	Di-n-Octyl Phthalate	370	U
205-99-2	Benzo(b)Fluoranthene	370	U
207-08-9	Benzo(k)Fluoranthene	370	U
50-32-8	Benzo(a)Pyrene	370	U
193-39-5	Indeno(1,2,3-cd)Pyrene	370	U
53-70-3	Dibenz(a,h)Anthracene	370	U
191-24-2	Benzo(g,h,i)Perylene	370	U

(1) - Cannot be separated from Diphenylamine

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
ORIGINAL (Red)
CKY34

Lab Name: COMPUCHEM,RTP Contract: 68D10083

Lab Code: COMPU Case No.: 18347 SAS No.: _____ SDG No.: CKY28

Matrix: (soil/water) SOIL Lab Sample ID: 499467

Sample wt/vol: 30.0 (g/mL) G Lab File ID: GR099467B57

Level: (low/med) LOW Date Received: 06/24/92

% Moisture: 13 decanted: (Y/N) N Date Extracted: 07/07/92

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 07/09/92

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 6.5

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	380	U
111-44-4	bis(2-Chloroethyl)Ether	380	U
95-57-8	2-Chlorophenol	380	U
541-73-1	1,3-Dichlorobenzene	380	U
106-46-7	1,4-Dichlorobenzene	380	U
95-50-1	1,2-Dichlorobenzene	380	U
95-48-7	2-Methylphenol	380	U
108-60-1	2,2'-Oxybis(1-Chloropropane)	380	U
106-44-5	4-Methylphenol	380	U
621-64-7	N-Nitroso-Di-n-Propylamine	380	U
67-72-1	Hexachloroethane	380	U
98-95-3	Nitrobenzene	380	U
78-59-1	Isophorone	380	U
88-75-5	2-Nitrophenol	380	U
105-67-9	2,4-Dimethylphenol	380	U
111-91-1	bis(2-Chloroethoxy)Methane	380	U
120-83-2	2,4-Dichlorophenol	380	U
120-82-1	1,2,4-Trichlorobenzene	380	U
91-20-3	Naphthalene	380	U
106-47-8	4-Chloroaniline	380	U
87-68-3	Hexachlorobutadiene	380	U
59-50-7	4-Chloro-3-Methylphenol	380	U
91-57-6	2-Methylnaphthalene	380	U
77-47-4	Hexachlorocyclopentadiene	380	U
88-06-2	2,4,6-Trichlorophenol	380	U
95-95-4	2,4,5-Trichlorophenol	920	U
91-58-7	2-Chloronaphthalene	380	U
88-74-4	2-Nitroaniline	920	U
131-11-3	Dimethyl Phthalate	380	U
208-96-8	Acenaphthylene	380	U
606-20-2	2,6-Dinitrotoluene	380	U
99-09-2	3-Nitroaniline	920	U
83-32-9	Acenaphthene	380	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
ORIGINAL (Red)
CKY34

Lab Name: COMPUCHEM,RTP Contract: 68D10083

Lab Code: COMPU Case No.: 18347 SAS No.: _____ SDG No.: CKY28

Matrix: (soil/water) SOIL Lab Sample ID: 499467

Sample wt/vol: 30.0 (g/mL) G Lab File ID: GR099467B57

Level: (low/med) LOW Date Received: 06/24/92

% Moisture: 13 decanted: (Y/N) N Date Extracted: 07/07/92

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 07/09/92

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 6.5

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	920	U
100-02-7	4-Nitrophenol	920	U
132-64-9	Dibenzofuran	380	U
121-14-2	2,4-Dinitrotoluene	380	U
84-66-2	Diethylphthalate	380	U
7005-72-3	4-Chlorophenyl-phenylether	380	U
86-73-7	Fluorene	380	U
100-01-6	4-Nitroaniline	920	U
534-52-1	4,6-Dinitro-2-Methylphenol	920	U
86-30-6	N-Nitrosodiphenylamine (1)	380	U
101-55-3	4-Bromophenyl-phenylether	380	U
118-74-1	Hexachlorobenzene	380	U
87-86-5	Pentachlorophenol	920	U
85-01-8	Phenanthrene	380	U
120-12-7	Anthracene	380	U
86-74-8	Carbazole	380	U
84-74-2	Di-n-Butylphthalate	380	U
206-44-0	Fluoranthene	39	J
129-00-0	Pyrene	380	U
85-68-7	Butylbenzylphthalate	380	U
91-94-1	3,3'-Dichlorobenzidine	380	U
56-55-3	Benzo(a)Anthracene	380	U
218-01-9	Chrysene	380	U
117-81-7	bis(2-Ethylhexyl)Phthalate	380	U
117-84-0	Di-n-Octyl Phthalate	380	U
205-99-2	Benzo(b)Fluoranthene	380	U
207-08-9	Benzo(k)Fluoranthene	380	U
50-32-8	Benzo(a)Pyrene	380	U
193-39-5	Indeno(1,2,3-cd)Pyrene	380	U
53-70-3	Dibenz(a,h)Anthracene	380	U
191-24-2	Benzo(g,h,i)Perylene	380	U

(1) - Cannot be separated from Diphenylamine

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
ORIGINAL (Red)
CKY35

Lab Name: COMPUCHEM,RTP Contract: 68D10083

Lab Code: COMPU Case No.: 18347 SAS No.: _____ SDG No.: CKY28

Matrix: (soil/water) SOIL Lab Sample ID: 499468

Sample wt/vol: 30.0 (g/mL) G Lab File ID: GR099468A57

Level: (low/med) LOW Date Received: 06/24/92

% Moisture: 3 decanted: (Y/N) N Date Extracted: 07/07/92

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 07/09/92

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 6.9

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	340	U
111-44-4	bis(2-Chloroethyl)Ether	340	U
95-57-8	2-Chlorophenol	340	U
541-73-1	1,3-Dichlorobenzene	340	U
106-46-7	1,4-Dichlorobenzene	340	U
95-50-1	1,2-Dichlorobenzene	340	U
95-48-7	2-Methylphenol	340	U
108-60-1	2,2'-Oxybis(1-Chloropropane)	340	U
106-44-5	4-Methylphenol	340	U
621-64-7	N-Nitroso-Di-n-Propylamine	340	U
67-72-1	Hexachloroethane	340	U
98-95-3	Nitrobenzene	340	U
78-59-1	Isophorone	340	U
88-75-5	2-Nitrophenol	340	U
105-67-9	2,4-Dimethylphenol	340	U
111-91-1	bis(2-Chloroethoxy)Methane	340	U
120-83-2	2,4-Dichlorophenol	340	U
120-82-1	1,2,4-Trichlorobenzene	340	U
91-20-3	Naphthalene	340	U
106-47-8	4-Chloroaniline	340	U
87-68-3	Hexachlorobutadiene	340	U
59-50-7	4-Chloro-3-Methylphenol	340	U
91-57-6	2-Methylnaphthalene	340	U
77-47-4	Hexachlorocyclopentadiene	340	U
88-06-2	2,4,6-Trichlorophenol	340	U
95-95-4	2,4,5-Trichlorophenol	820	U
91-58-7	2-Chloronaphthalene	340	U
88-74-4	2-Nitroaniline	820	U
131-11-3	Dimethyl Phthalate	340	U
208-96-8	Acenaphthylene	340	U
606-20-2	2,6-Dinitrotoluene	340	U
99-09-2	3-Nitroaniline	820	U
83-32-9	Acenaphthene	340	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CKY35

Lab Name: COMPUCHEM,RTP Contract: 68D10083

Lab Code: COMPU Case No.: 18347 SAS No.: _____ SDG No.: CKY28

Matrix: (soil/water) SOIL Lab Sample ID: 499468

Sample wt/vol: 30.0 (g/mL) G Lab File ID: GR099468A57

Level: (low/med) LOW Date Received: 06/24/92

% Moisture: 3 decanted: (Y/N) N Date Extracted: 07/07/92

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 07/09/92

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 6.9

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	820	U
100-02-7	4-Nitrophenol	820	U
132-64-9	Dibenzofuran	340	U
121-14-2	2,4-Dinitrotoluene	340	U
84-66-2	Diethylphthalate	340	U
7005-72-3	4-Chlorophenyl-phenylether	340	U
86-73-7	Fluorene	340	U
100-01-6	4-Nitroaniline	820	U
534-52-1	4,6-Dinitro-2-Methylphenol	820	U
86-30-6	N-Nitrosodiphenylamine (1)	340	U
101-55-3	4-Bromophenyl-phenylether	340	U
118-74-1	Hexachlorobenzene	340	U
87-86-5	Pentachlorophenol	820	U
85-01-8	Phenanthrene	47	J
120-12-7	Anthracene	340	U
86-74-8	Carbazole	340	U
84-74-2	Di-n-Butylphthalate	340	U
206-44-0	Fluoranthene	340	U
129-00-0	Pyrene	340	U
85-68-7	Butylbenzylphthalate	340	U
91-94-1	3,3'-Dichlorobenzidine	340	U
56-55-3	Benzo(a)Anthracene	340	U
218-01-9	Chrysene	340	U
117-81-7	bis(2-Ethylhexyl)Phthalate	340	U
117-84-0	Di-n-Octyl Phthalate	340	U
205-99-2	Benzo(b)Fluoranthene	340	U
207-08-9	Benzo(k)Fluoranthene	340	U
50-32-8	Benzo(a)Pyrene	340	U
193-39-5	Indeno(1,2,3-cd)Pyrene	340	U
53-70-3	Dibenz(a,h)Anthracene	340	U
191-24-2	Benzo(g,h,i)Perylene	340	U

(1) - Cannot be separated from Diphenylamine

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CKY36

Lab Name: COMPUCHEM,RTP Contract: 68D10083

Lab Code: COMPU Case No.: 18347 SAS No.: _____ SDG No.: CKY28

Matrix: (soil/water) SOIL Lab Sample ID: 499470

Sample wt/vol: 30.0 (g/mL) G Lab File ID: GR099470A57

Level: (low/med) LOW Date Received: 06/24/92

% Moisture: 10 decanted: (Y/N) N Date Extracted: 07/07/92

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 07/09/92

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	370	U
111-44-4	bis(2-Chloroethyl)Ether	370	U
95-57-8	2-Chlorophenol	370	U
541-73-1	1,3-Dichlorobenzene	370	U
106-46-7	1,4-Dichlorobenzene	370	U
95-50-1	1,2-Dichlorobenzene	370	U
95-48-7	2-Methylphenol	370	U
108-60-1	2,2'-Oxybis(1-Chloropropane)	370	U
106-44-5	4-Methylphenol	370	U
621-64-7	N-Nitroso-Di-n-Propylamine	370	U
67-72-1	Hexachloroethane	370	U
98-95-3	Nitrobenzene	370	U
78-59-1	Isophorone	370	U
88-75-5	2-Nitrophenol	370	U
105-67-9	2,4-Dimethylphenol	370	U
111-91-1	bis(2-Chloroethoxy)Methane	370	U
120-83-2	2,4-Dichlorophenol	370	U
120-82-1	1,2,4-Trichlorobenzene	370	U
91-20-3	Naphthalene	370	U
106-47-8	4-Chloroaniline	370	U
87-68-3	Hexachlorobutadiene	370	U
59-50-7	4-Chloro-3-Methylphenol	370	U
91-57-6	2-Methylnaphthalene	370	U
77-47-4	Hexachlorocyclopentadiene	370	U
88-06-2	2,4,6-Trichlorophenol	370	U
95-95-4	2,4,5-Trichlorophenol	890	U
91-58-7	2-Chloronaphthalene	370	U
88-74-4	2-Nitroaniline	890	U
131-11-3	Dimethyl Phthalate	370	U
208-96-8	Acenaphthylene	370	U
606-20-2	2,6-Dinitrotoluene	370	U
99-09-2	3-Nitroaniline	890	U
83-32-9	Acenaphthene	370	U

SAMPLE DATA PACKAGE

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
ORIGINAL (Red)
CKY36

Lab Name: COMPUCHEM,RTP Contract: 68D10083

Lab Code: COMPU Case No.: 18347 SAS No.: _____ SDG No.: CKY28

Matrix: (soil/water) SOIL Lab Sample ID: 499470

Sample wt/vol: 30.0 (g/mL) G Lab File ID: GR099470A57

Level: (low/med) LOW Date Received: 06/24/92

% Moisture: 10 decanted: (Y/N) N Date Extracted: 07/07/92

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 07/09/92

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	890	U
100-02-7	4-Nitrophenol	890	U
132-64-9	Dibenzofuran	370	U
121-14-2	2,4-Dinitrotoluene	370	U
84-66-2	Diethylphthalate	370	U
7005-72-3	4-Chlorophenyl-phenylether	370	U
86-73-7	Fluorene	370	U
100-01-6	4-Nitroaniline	890	U
534-52-1	4,6-Dinitro-2-Methylphenol	890	U
86-30-6	N-Nitrosodiphenylamine (1)	370	U
101-55-3	4-Bromophenyl-phenylether	370	U
118-74-1	Hexachlorobenzene	370	U
87-86-5	Pentachlorophenol	890	U
85-01-8	Phenanthrene	370	U
120-12-7	Anthracene	370	U
86-74-8	Carbazole	370	U
84-74-2	Di-n-Butylphthalate	370	U
206-44-0	Fluoranthene	370	U
129-00-0	Pyrene	370	U
85-68-7	Butylbenzylphthalate	370	U
91-94-1	3,3'-Dichlorobenzidine	370	U
56-55-3	Benzo(a)Anthracene	370	U
218-01-9	Chrysene	370	U
117-81-7	bis(2-Ethylhexyl)Phthalate	370	U
117-84-0	Di-n-Octyl Phthalate	370	U
205-99-2	Benzo(b)Fluoranthene	370	U
207-08-9	Benzo(k)Fluoranthene	370	U
50-32-8	Benzo(a)Pyrene	370	U
193-39-5	Indeno(1,2,3-cd)Pyrene	370	U
53-70-3	Dibenz(a,h)Anthracene	370	U
191-24-2	Benzo(g,h,i)Perylene	370	U

(1) - Cannot be separated from Diphenylamine

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CKY37

Lab Name: COMPUCHEM,RTP Contract: 68D10083

Lab Code: COMPU Case No.: 18347 SAS No.: _____ SDG No.: CKY28

Matrix: (soil/water) SOIL Lab Sample ID: 499471

Sample wt/vol: 30.0 (g/mL) G Lab File ID: GH099471A15

Level: (low/med) LOW Date Received: 06/24/92

% Moisture: 8 decanted: (Y/N) N Date Extracted: 06/26/92

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 07/02/92

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 6.1

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	360	U
111-44-4	bis(2-Chloroethyl)Ether	360	U
95-57-8	2-Chlorophenol	360	U
541-73-1	1,3-Dichlorobenzene	360	U
106-46-7	1,4-Dichlorobenzene	360	U
95-50-1	1,2-Dichlorobenzene	360	U
95-48-7	2-Methylphenol	360	U
108-60-1	2,2'-Oxybis(1-Chloropropane)	360	U
106-44-5	4-Methylphenol	360	U
621-64-7	N-Nitroso-Di-n-Propylamine	360	U
67-72-1	Hexachloroethane	360	U
98-95-3	Nitrobenzene	360	U
78-59-1	Isophorone	360	U
88-75-5	2-Nitrophenol	360	U
105-67-9	2,4-Dimethylphenol	360	U
111-91-1	bis(2-Chloroethoxy)Methane	360	U
120-83-2	2,4-Dichlorophenol	360	U
120-82-1	1,2,4-Trichlorobenzene	360	U
91-20-3	Naphthalene	360	U
106-47-8	4-Chloroaniline	360	U
87-68-3	Hexachlorobutadiene	360	U
59-50-7	4-Chloro-3-Methylphenol	360	U
91-57-6	2-Methylnaphthalene	360	U
77-47-4	Hexachlorocyclopentadiene	360	U
88-06-2	2,4,6-Trichlorophenol	360	U
95-95-4	2,4,5-Trichlorophenol	870	U
91-58-7	2-Chloronaphthalene	360	U
88-74-4	2-Nitroaniline	870	U
131-11-3	Dimethyl Phthalate	360	U
208-96-8	Acenaphthylene	360	U
606-20-2	2,6-Dinitrotoluene	360	U
99-09-2	3-Nitroaniline	870	U
83-32-9	Acenaphthene	360	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

ORIGINAL

EPA SAMPLE NO.

CKY37

Lab Name: COMPUCHEM,RTP Contract: 68D10083

Lab Code: COMPU Case No.: 18347 SAS No.: _____ SDG No.: CKY28

Matrix: (soil/water) SOIL Lab Sample ID: 499471

Sample wt/vol: 30.0 (g/mL) G Lab File ID: GH099471A15

Level: (low/med) LOW Date Received: 06/24/92

% Moisture: 8 decanted: (Y/N) N Date Extracted: 06/26/92

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 07/02/92

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 6.1

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	870	U
100-02-7	4-Nitrophenol	870	U
132-64-9	Dibenzofuran	360	U
121-14-2	2,4-Dinitrotoluene	360	U
84-66-2	Diethylphthalate	360	U
7005-72-3	4-Chlorophenyl-phenylether	360	U
86-73-7	Fluorene	360	U
100-01-6	4-Nitroaniline	870	U
534-52-1	4,6-Dinitro-2-Methylphenol	870	U
86-30-6	N-Nitrosodiphenylamine (1)	360	U
101-55-3	4-Bromophenyl-phenylether	360	U
118-74-1	Hexachlorobenzene	360	U
87-86-5	Pentachlorophenol	870	U
85-01-8	Phenanthrene	360	U
120-12-7	Anthracene	360	U
86-74-8	Carbazole	360	U
84-74-2	Di-n-Butylphthalate	360	U
206-44-0	Fluoranthene	360	U
129-00-0	Pyrene	360	U
85-68-7	Butylbenzylphthalate	130	BJ
91-94-1	3,3'-Dichlorobenzidine	360	U
56-55-3	Benzo(a)Anthracene	360	U
218-01-9	Chrysene	360	U
117-81-7	bis(2-Ethylhexyl)Phthalate	360	U
117-84-0	Di-n-Octyl Phthalate	360	U
205-99-2	Benzo(b)Fluoranthene	360	U
207-08-9	Benzo(k)Fluoranthene	360	U
50-32-8	Benzo(a)Pyrene	360	U
193-39-5	Indeno(1,2,3-cd)Pyrene	360	U
53-70-3	Dibenz(a,h)Anthracene	360	U
191-24-2	Benzo(g,h,i)Perylene	360	U

(1) - Cannot be separated from Diphenylamine

ORIGINAL (R)

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CKY38

Lab Name: COMPUCHEM,RTP Contract: 68D10083

Lab Code: COMPU Case No.: 18347 SAS No.: _____ SDG No.: CKY28

Matrix: (soil/water) SOIL Lab Sample ID: 499473

Sample wt/vol: 30.0 (g/mL) G Lab File ID: GR099473A57

Level: (low/med) LOW Date Received: 06/24/92

% Moisture: 14 decanted: (Y/N) N Date Extracted: 07/07/92

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 07/09/92

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 6.4

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	380	U
111-44-4	bis(2-Chloroethyl)Ether	380	U
95-57-8	2-Chlorophenol	380	U
541-73-1	1,3-Dichlorobenzene	380	U
106-46-7	1,4-Dichlorobenzene	380	U
95-50-1	1,2-Dichlorobenzene	380	U
95-48-7	2-Methylphenol	380	U
108-60-1	2,2'-Oxybis(1-Chloropropane)	380	U
106-44-5	4-Methylphenol	380	U
621-64-7	N-Nitroso-Di-n-Propylamine	380	U
67-72-1	Hexachloroethane	380	U
98-95-3	Nitrobenzene	380	U
78-59-1	Isophorone	380	U
88-75-5	2-Nitrophenol	380	U
105-67-9	2,4-Dimethylphenol	380	U
111-91-1	bis(2-Chloroethoxy)Methane	380	U
120-83-2	2,4-Dichlorophenol	380	U
120-82-1	1,2,4-Trichlorobenzene	380	U
91-20-3	Naphthalene	380	U
106-47-8	4-Chloroaniline	380	U
87-68-3	Hexachlorobutadiene	380	U
59-50-7	4-Chloro-3-Methylphenol	380	U
91-57-6	2-Methylnaphthalene	380	U
77-47-4	Hexachlorocyclopentadiene	380	U
88-06-2	2,4,6-Trichlorophenol	380	U
95-95-4	2,4,5-Trichlorophenol	930	U
91-58-7	2-Chloronaphthalene	380	U
88-74-4	2-Nitroaniline	930	U
131-11-3	Dimethyl Phthalate	380	U
208-96-8	Acenaphthylene	380	U
606-20-2	2,6-Dinitrotoluene	380	U
99-09-2	3-Nitroaniline	930	U
83-32-9	Acenaphthene	380	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
ORIGINAL (Red)
CKY38

Lab Name: COMPUCHEM,RTP Contract: 68D10083

Lab Code: COMPU Case No.: 18347 SAS No.: _____ SDG No.: CKY28

Matrix: (soil/water) SOIL Lab Sample ID: 499473

Sample wt/vol: 30.0 (g/mL) G Lab File ID: GR099473A57

Level: (low/med) LOW Date Received: 06/24/92

% Moisture: 14 decanted: (Y/N) N Date Extracted: 07/07/92

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 07/09/92

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 6.4

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	930	U
100-02-7	4-Nitrophenol	930	U
132-64-9	Dibenzofuran	380	U
121-14-2	2,4-Dinitrotoluene	380	U
84-66-2	Diethylphthalate	380	U
7005-72-3	4-Chlorophenyl-phenylether	380	U
86-73-7	Fluorene	380	U
100-01-6	4-Nitroaniline	930	U
534-52-1	4,6-Dinitro-2-Methylphenol	930	U
86-30-6	N-Nitrosodiphenylamine (1)	380	U
101-55-3	4-Bromophenyl-phenylether	380	U
118-74-1	Hexachlorobenzene	380	U
87-86-5	Pentachlorophenol	930	U
85-01-8	Phenanthrene	380	U
120-12-7	Anthracene	380	U
86-74-8	Carbazole	380	U
84-74-2	Di-n-Butylphthalate	380	U
206-44-0	Fluoranthene	61	J
129-00-0	Pyrene	55	J
85-68-7	Butylbenzylphthalate	380	U
91-94-1	3,3'-Dichlorobenzidine	380	U
56-55-3	Benzo(a)Anthracene	380	U
218-01-9	Chrysene	380	U
117-81-7	bis(2-Ethylhexyl)Phthalate	380	U
117-84-0	Di-n-Octyl Phthalate	380	U
205-99-2	Benzo(b)Fluoranthene	61	JX
207-08-9	Benzo(k)Fluoranthene	61	JX
50-32-8	Benzo(a)Pyrene	380	U
193-39-5	Indeno(1,2,3-cd)Pyrene	380	U
53-70-3	Dibenz(a,h)Anthracene	380	U
191-24-2	Benzo(g,h,i)Perylene	380	U

(1) - Cannot be separated from Diphenylamine

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CKY14

Lab Name: COMPUCHEM,RTP Contract: 68D10083

Lab Code: COMPU Case No.: 18347 SAS No.: SDG No.: CKY14

Matrix: (soil/water) WATER Lab Sample ID: 499425

Sample wt/vol: 1000 (g/ml) ML Lab File ID:

% Moisture: decanted: (Y/N) Date Received: 06/24/92

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 06/26/92

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 06/30/92

Injection Volume: 2.0 (uL) Dilution Factor: 1

GPC Cleanup: (Y/N) N pH: Sulfur Cleanup: (Y/N) N

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
7421-93-4	Endrin aldehyde	0.10	U
5103-71-9	alpha-Chlordane	0.050	U
5103-74-2	gamma-Chlordane	0.050	U
8001-35-2	Toxaphene	5.0	U
12674-11-2	Aroclor-1016	1.0	U
11104-28-2	Aroclor-1221	2.0	U
11141-16-5	Aroclor-1232	1.0	U
53469-21-9	Aroclor-1242	1.0	U
12672-29-6	Aroclor-1248	1.0	U
11097-69-1	Aroclor-1254	1.0	U
11096-82-5	Aroclor-1260	1.0	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO. (Red)

CKY15

Lab Name: COMPUCHEM,RTP Contract: 68D10083

Lab Code: COMPU Case No.: 18347 SAS No.: SDG No.: CKY14

Matrix: (soil/water) WATER Lab Sample ID: 499435

Sample wt/vol: 1000 (g/ml) ML Lab File ID:

% Moisture: decanted: (Y/N) Date Received: 06/24/92

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 06/26/92

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 06/30/92

Injection Volume: 2.0 (uL) Dilution Factor: 1

GPC Cleanup: (Y/N) N pH: Sulfur Cleanup: (Y/N) N

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
7421-93-4	Endrin aldehyde	0.10	U
5103-71-9	alpha-Chlordane	0.050	U
5103-74-2	gamma-Chlordane	0.050	U
8001-35-2	Toxaphene	5.0	U
12674-11-2	Aroclor-1016	1.0	U
11104-28-2	Aroclor-1221	2.0	U
11141-16-5	Aroclor-1232	1.0	U
53469-21-9	Aroclor-1242	1.0	U
12672-29-6	Aroclor-1248	1.0	U
11097-69-1	Aroclor-1254	1.0	U
11096-82-5	Aroclor-1260	1.0	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CKY16

Lab Name: COMPUCHEM,RTP Contract: 68D10083

Lab Code: COMPU Case No.: 18347 SAS No.: SDG No.: CKY14

Matrix: (soil/water) WATER Lab Sample ID: 499436

Sample wt/vol: 1000 (g/ml) ML Lab File ID:

% Moisture: decanted: (Y/N) Date Received: 06/24/92

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 06/26/92

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 06/30/92

Injection Volume: 2.0 (uL) Dilution Factor: 1

GPC Cleanup: (Y/N) N pH: Sulfur Cleanup: (Y/N) N

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
7421-93-4	Endrin aldehyde	0.10	U
5103-71-9	alpha-Chlordane	0.050	U
5103-74-2	gamma-Chlordane	0.050	U
8001-35-2	Toxaphene	5.0	U
12674-11-2	Aroclor-1016	1.0	U
11104-28-2	Aroclor-1221	2.0	U
11141-16-5	Aroclor-1232	1.0	U
53469-21-9	Aroclor-1242	1.0	U
12672-29-6	Aroclor-1248	1.0	U
11097-69-1	Aroclor-1254	1.0	U
11096-82-5	Aroclor-1260	1.0	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CKY17

Lab Name: COMPUCHEM,RTP Contract: 68D10083

Lab Code: COMPU Case No.: 18347 SAS No.: SDG No.: CKY14

Matrix: (soil/water) WATER Lab Sample ID: 499437

Sample wt/vol: 1000 (g/ml) ML Lab File ID:

% Moisture: decanted: (Y/N) Date Received: 06/24/92

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 06/26/92

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 06/30/92

Injection Volume: 2.0 (uL) Dilution Factor: 1

GPC Cleanup: (Y/N) N pH: Sulfur Cleanup: (Y/N) N

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

CAS NO.	COMPOUND		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	0.0039	JP
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
7421-93-4	Endrin aldehyde	0.10	U
5103-71-9	alpha-Chlordane	0.050	U
5103-74-2	gamma-Chlordane	0.050	U
8001-35-2	Toxaphene	5.0	U
12674-11-2	Aroclor-1016	1.0	U
11104-28-2	Aroclor-1221	2.0	U
11141-16-5	Aroclor-1232	1.0	U
53469-21-9	Aroclor-1242	1.0	U
12672-29-6	Aroclor-1248	1.0	U
11097-69-1	Aroclor-1254	1.0	U
11096-82-5	Aroclor-1260	1.0	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CKY18

Lab Name: COMPUCHEM,RTP Contract: 68D10083

Lab Code: COMPU Case No.: 18347 SAS No.: SDG No.: CKY14

Matrix: (soil/water) WATER Lab Sample ID: 499439

Sample wt/vol: 1000 (g/ml) ML Lab File ID:

% Moisture: decanted: (Y/N) Date Received: 06/24/92

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 06/26/92

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 06/30/92

Injection Volume: 2.0 (uL) Dilution Factor: 1

GPC Cleanup: (Y/N) N pH: Sulfur Cleanup: (Y/N) N

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)	0.0039	JP
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
7421-93-4	Endrin aldehyde	0.10	U
5103-71-9	alpha-Chlordane	0.050	U
5103-74-2	gamma-Chlordane	0.050	U
8001-35-2	Toxaphene	5.0	U
12674-11-2	Aroclor-1016	1.0	U
11104-28-2	Aroclor-1221	2.0	U
11141-16-5	Aroclor-1232	1.0	U
53469-21-9	Aroclor-1242	1.0	U
12672-29-6	Aroclor-1248	1.0	U
11097-69-1	Aroclor-1254	1.0	U
11096-82-5	Aroclor-1260	1.0	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

ORIGINAL CKY19

Lab Name: COMPUCHEM,RTP Contract: 68D10083

Lab Code: COMPU Case No.: 18347 SAS No.: SDG No.: CKY14

Matrix: (soil/water) WATER Lab Sample ID: 499440

Sample wt/vol: 1000 (g/ml) ML Lab File ID:

% Moisture: decanted: (Y/N) Date Received: 06/24/92

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 06/26/92

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 06/30/92

Injection Volume: 2.0 (uL) Dilution Factor: 1

GPC Cleanup: (Y/N) N pH: Sulfur Cleanup: (Y/N) N

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
7421-93-4	Endrin aldehyde	0.10	U
5103-71-9	alpha-Chlordane	0.050	U
5103-74-2	gamma-Chlordane	0.050	U
8001-35-2	Toxaphene	5.0	U
12674-11-2	Aroclor-1016	1.0	U
11104-28-2	Aroclor-1221	2.0	U
11141-16-5	Aroclor-1232	1.0	U
53469-21-9	Aroclor-1242	1.0	U
12672-29-6	Aroclor-1248	1.0	U
11097-69-1	Aroclor-1254	1.0	U
11096-82-5	Aroclor-1260	1.0	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CKY20

Lab Name: COMPUCHEM,RTP Contract: 68D10083

Lab Code: COMPU Case No.: 18347 SAS No.: SDG No.: CKY14

Matrix: (soil/water) WATER Lab Sample ID: 499441

Sample wt/vol: 1000 (g/ml) ML Lab File ID:

% Moisture: decanted: (Y/N) Date Received: 06/24/92

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 06/26/92

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 07/01/92

Injection Volume: 2.0 (uL) Dilution Factor: 1

GPC Cleanup: (Y/N) N pH: Sulfur Cleanup: (Y/N) N

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	0.0099	J
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
7421-93-4	Endrin aldehyde	0.10	U
5103-71-9	alpha-Chlordane	0.050	U
5103-74-2	gamma-Chlordane	0.050	U
8001-35-2	Toxaphene	5.0	U
12674-11-2	Aroclor-1016	1.0	U
11104-28-2	Aroclor-1221	2.0	U
11141-16-5	Aroclor-1232	1.0	U
53469-21-9	Aroclor-1242	1.0	U
12672-29-6	Aroclor-1248	1.0	U
11097-69-1	Aroclor-1254	1.0	U
11096-82-5	Aroclor-1260	1.0	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

ORIGINAL (Red)

CKY22

Lab Name: COMPUCHEM,RTP Contract: 68D10083

Lab Code: COMPU Case No.: 18347 SAS No.: SDG No.: CKY14

Matrix: (soil/water) WATER Lab Sample ID: 499442

Sample wt/vol: 1000 (g/ml) ML Lab File ID:

% Moisture: decanted: (Y/N) Date Received: 06/24/92

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 06/26/92

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 07/01/92

Injection Volume: 2.0 (uL) Dilution Factor: 1

GPC Cleanup: (Y/N) N pH: Sulfur Cleanup: (Y/N) N

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
7421-93-4	Endrin aldehyde	0.10	U
5103-71-9	alpha-Chlordane	0.050	U
5103-74-2	gamma-Chlordane	0.050	U
8001-35-2	Toxaphene	5.0	U
12674-11-2	Aroclor-1016	1.0	U
11104-28-2	Aroclor-1221	2.0	U
11141-16-5	Aroclor-1232	1.0	U
53469-21-9	Aroclor-1242	1.0	U
12672-29-6	Aroclor-1248	1.0	U
11097-69-1	Aroclor-1254	1.0	U
11096-82-5	Aroclor-1260	1.0	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
ORIGINAL (Red)
CKY23

Lab Name: COMPUCHEM,RTP Contract: 68D10083

Lab Code: COMPU Case No.: 18347 SAS No.: SDG No.: CKY14

Matrix: (soil/water) WATER Lab Sample ID: 499444

Sample wt/vol: 1000 (g/ml) ML Lab File ID:

% Moisture: decanted: (Y/N) Date Received: 06/24/92

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 06/26/92

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 07/01/92

Injection Volume: 2.0 (uL) Dilution Factor: 1

GPC Cleanup: (Y/N) N pH: Sulfur Cleanup: (Y/N) N

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
7421-93-4	Endrin aldehyde	0.10	U
5103-71-9	alpha-Chlordane	0.050	U
5103-74-2	gamma-Chlordane	0.050	U
8001-35-2	Toxaphene	5.0	U
12674-11-2	Aroclor-1016	1.0	U
11104-28-2	Aroclor-1221	2.0	U
11141-16-5	Aroclor-1232	1.0	U
53469-21-9	Aroclor-1242	1.0	U
12672-29-6	Aroclor-1248	1.0	U
11097-69-1	Aroclor-1254	1.0	U
11096-82-5	Aroclor-1260	1.0	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

ORIGINAL (Red)

CKY24

Lab Name: COMPUCHEM,RTP Contract: 68D10083

Lab Code: COMPU Case No.: 18347 SAS No.: SDG No.: CKY14

Matrix: (soil/water) WATER Lab Sample ID: 499445

Sample wt/vol: 1000 (g/ml) ML Lab File ID:

% Moisture: decanted: (Y/N) Date Received: 06/24/92

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 06/26/92

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 07/01/92

Injection Volume: 2.0 (uL) Dilution Factor: 1

GPC Cleanup: (Y/N) N pH: Sulfur Cleanup: (Y/N) N

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
7421-93-4	Endrin aldehyde	0.10	U
5103-71-9	alpha-Chlordane	0.050	U
5103-74-2	gamma-Chlordane	0.050	U
8001-35-2	Toxaphene	5.0	U
12674-11-2	Aroclor-1016	1.0	U
11104-28-2	Aroclor-1221	2.0	U
11141-16-5	Aroclor-1232	1.0	U
53469-21-9	Aroclor-1242	1.0	U
12672-29-6	Aroclor-1248	1.0	U
11097-69-1	Aroclor-1254	1.0	U
11096-82-5	Aroclor-1260	1.0	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
ORIGINAL (Red)
CKY25

Lab Name: COMPUCHEM,RTP Contract: 68D10083

Lab Code: COMPU Case No.: 18347 SAS No.: SDG No.: CKY14

Matrix: (soil/water) WATER Lab Sample ID: 499447

Sample wt/vol: 1000 (g/ml) ML Lab File ID:

% Moisture: decanted: (Y/N) Date Received: 06/24/92

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 06/26/92

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 07/01/92

Injection Volume: 2.0 (uL) Dilution Factor: 1

GPC Cleanup: (Y/N) N pH: Sulfur Cleanup: (Y/N) N

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
7421-93-4	Endrin aldehyde	0.10	U
5103-71-9	alpha-Chlordane	0.050	U
5103-74-2	gamma-Chlordane	0.050	U
8001-35-2	Toxaphene	5.0	U
12674-11-2	Aroclor-1016	1.0	U
11104-28-2	Aroclor-1221	2.0	U
11141-16-5	Aroclor-1232	1.0	U
53469-21-9	Aroclor-1242	1.0	U
12672-29-6	Aroclor-1248	1.0	U
11097-69-1	Aroclor-1254	1.0	U
11096-82-5	Aroclor-1260	1.0	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

ORIGINAL (Red)

CKY26

Lab Name: COMPUCHEM, RTP Contract: 68D10083

Lab Code: COMPU Case No.: 18347 SAS No.: SDG No.: CKY14

Matrix: (soil/water) WATER Lab Sample ID: 499449

Sample wt/vol: 1000 (g/ml) ML Lab File ID:

% Moisture: decanted: (Y/N) Date Received: 06/24/92

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 06/26/92

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 07/01/92

Injection Volume: 2.0 (uL) Dilution Factor: 1

GPC Cleanup: (Y/N) N pH: Sulfur Cleanup: (Y/N) N

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	0.0082	J
50-29-3	4,4'-DDT	0.10	U
72-43-5	Methoxychlor	0.019	JP
53494-70-5	Endrin ketone	0.10	U
7421-93-4	Endrin aldehyde	0.10	U
5103-71-9	alpha-Chlordane	0.050	U
5103-74-2	gamma-Chlordane	0.050	U
8001-35-2	Toxaphene	5.0	U
12674-11-2	Aroclor-1016	1.0	U
11104-28-2	Aroclor-1221	2.0	U
11141-16-5	Aroclor-1232	1.0	U
53469-21-9	Aroclor-1242	1.0	U
12672-29-6	Aroclor-1248	1.0	U
11097-69-1	Aroclor-1254	1.0	U
11096-82-5	Aroclor-1260	1.0	U

18347 CKY 14

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
(Red)

CKY28

Lab Name: COMPUCHEM,RTP Contract: 68D10083

Lab Code: COMPU Case No.: 18347 SAS No.: SDG No.: CKY28

Matrix: (soil/water) SOIL Lab Sample ID: 499452

Sample wt/vol: 30.00 (g/ml) G Lab File ID:

% Moisture: 19 decanted: (Y/N) N Date Received: 06/24/92

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 06/26/92

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 07/06/92

Injection Volume: 2.0 (uL) Dilution Factor: 1

GPC Cleanup: (Y/N) Y pH: 7.2 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	2.1	U
319-85-7	beta-BHC	2.1	U
319-86-8	delta-BHC	2.1	U
58-89-9	gamma-BHC (Lindane)	2.1	U
76-44-8	Heptachlor	0.17	JP
309-00-2	Aldrin	2.1	U
1024-57-3	Heptachlor epoxide	2.1	U
959-98-8	Endosulfan I	2.1	U
60-57-1	Dieldrin	4.1	U
72-55-9	4,4'-DDE	0.20	JP
72-20-8	Endrin	4.1	U
33213-65-9	Endosulfan II	4.1	U
72-54-8	4,4'-DDD	4.1	U
1031-07-8	Endosulfan sulfate	4.1	U
50-29-3	4,4'-DDT	4.1	U
72-43-5	Methoxychlor	21	U
53494-70-5	Endrin ketone	0.18	JP
7421-93-4	Endrin aldehyde	4.1	U
5103-71-9	alpha-Chlordane	2.1	U
5103-74-2	gamma-Chlordane	2.1	U
8001-35-2	Toxaphene	210	U
12674-11-2	Aroclor-1016	41	U
11104-28-2	Aroclor-1221	83	U
11141-16-5	Aroclor-1232	41	U
53469-21-9	Aroclor-1242	41	U
12672-29-6	Aroclor-1248	41	U
11097-69-1	Aroclor-1254	41	U
11096-82-5	Aroclor-1260	41	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

ORIGINAL

EPA SAMPLE NO.

CKY29

Lab Name: COMPUCHEM,RTP Contract: 68D10083

Lab Code: COMPU Case No.: 18347 SAS No.: SDG No.: CKY28

Matrix: (soil/water) SOIL Lab Sample ID: 499459

Sample wt/vol: 30.00 (g/ml) G Lab File ID:

% Moisture: 17 decanted: (Y/N) N Date Received: 06/24/92

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 06/26/92

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 07/07/92

Injection Volume: 2.0 (uL) Dilution Factor: 1

GPC Cleanup: (Y/N) Y pH: 6.6 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	2.0	U
319-85-7	beta-BHC	2.0	U
319-86-8	delta-BHC	2.0	U
58-89-9	gamma-BHC (Lindane)	0.079	JP
76-44-8	Heptachlor	0.35	JP
309-00-2	Aldrin	2.0	U
1024-57-3	Heptachlor epoxide	2.0	U
959-98-8	Endosulfan I	2.0	U
60-57-1	Dieldrin	0.072	JP
72-55-9	4,4'-DDE	0.64	JP
72-20-8	Endrin	0.47	JP
33213-65-9	Endosulfan II	4.0	U
72-54-8	4,4'-DDD	0.15	JP
1031-07-8	Endosulfan sulfate	4.0	U
50-29-3	4,4'-DDT	4.0	U
72-43-5	Methoxychlor	0.32	JPB
53494-70-5	Endrin ketone	0.31	JP
7421-93-4	Endrin aldehyde	4.0	U
5103-71-9	alpha-Chlordane	0.36	JP
5103-74-2	gamma-Chlordane	0.46	JP
8001-35-2	Toxaphene	200	U
12674-11-2	Aroclor-1016	40	U
11104-28-2	Aroclor-1221	81	U
11141-16-5	Aroclor-1232	40	U
53469-21-9	Aroclor-1242	40	U
12672-29-6	Aroclor-1248	40	U
11097-69-1	Aroclor-1254	40	U
11096-82-5	Aroclor-1260	40	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
(Med)
CKY30

Lab Name: COMPUCHEM,RTP Contract: 68D10083

Lab Code: COMPU Case No.: 18347 SAS No.: SDG No.: CKY28

Matrix: (soil/water) SOIL Lab Sample ID: 499463

Sample wt/vol: 30.00 (g/ml) G Lab File ID:

% Moisture: 40 decanted: (Y/N) N Date Received: 06/24/92

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 06/26/92

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 07/07/92

Injection Volume: 2.0 (uL) Dilution Factor: 1

GPC Cleanup: (Y/N) Y pH: 5.5 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	2.8	U
319-85-7	beta-BHC	2.8	U
319-86-8	delta-BHC	2.8	U
58-89-9	gamma-BHC (Lindane)	2.8	U
76-44-8	Heptachlor	0.48	JP
309-00-2	Aldrin	2.8	U
1024-57-3	Heptachlor epoxide	2.8	U
959-98-8	Endosulfan I	2.8	U
60-57-1	Dieldrin	5.5	U
72-55-9	4,4'-DDE	0.39	JP
72-20-8	Endrin	5.5	U
33213-65-9	Endosulfan II	5.5	U
72-54-8	4,4'-DDD	5.5	U
1031-07-8	Endosulfan sulfate	5.5	U
50-29-3	4,4'-DDT	5.5	U
72-43-5	Methoxychlor	28	U
53494-70-5	Endrin ketone	5.5	U
7421-93-4	Endrin aldehyde	5.5	U
5103-71-9	alpha-Chlordane	2.8	U
5103-74-2	gamma-Chlordane	2.8	U
8001-35-2	Toxaphene	280	U
12674-11-2	Aroclor-1016	55	U
11104-28-2	Aroclor-1221	110	U
11141-16-5	Aroclor-1232	55	U
53469-21-9	Aroclor-1242	55	U
12672-29-6	Aroclor-1248	55	U
11097-69-1	Aroclor-1254	55	U
11096-82-5	Aroclor-1260	55	U

SAMPLE DATA PACKAGE

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CKY31

Lab Name: COMPUCHEM,RTP Contract: 68D10083

Lab Code: COMPU Case No.: 18347 SAS No.: SDG No.: CKY28

Matrix: (soil/water) SOIL Lab Sample ID: 499464

Sample wt/vol: 30.00 (g/ml) G Lab File ID:

% Moisture: 23 decanted: (Y/N) N Date Received: 06/24/92

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 06/26/92

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 07/07/92

Injection Volume: 2.0 (uL) Dilution Factor: 1

GPC Cleanup: (Y/N) Y pH: 7.1 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	2.2	U
319-85-7	beta-BHC	2.2	U
319-86-8	delta-BHC	2.2	U
58-89-9	gamma-BHC (Lindane)	2.2	U
76-44-8	Heptachlor	0.25	JP
309-00-2	Aldrin	2.2	U
1024-57-3	Heptachlor epoxide	2.2	U
959-98-8	Endosulfan I	2.2	U
60-57-1	Dieldrin	4.3	U
72-55-9	4,4'-DDE	0.38	J
72-20-8	Endrin	4.3	U
33213-65-9	Endosulfan II	4.3	U
72-54-8	4,4'-DDD	0.51	JP
1031-07-8	Endosulfan sulfate	4.3	U
50-29-3	4,4'-DDT	0.15	JP
72-43-5	Methoxychlor	0.92	JPB
53494-70-5	Endrin ketone	4.3	U
7421-93-4	Endrin aldehyde	4.3	U
5103-71-9	alpha-Chlordane	2.2	U
5103-74-2	gamma-Chlordane	0.16	JP
8001-35-2	Toxaphene	220	U
12674-11-2	Aroclor-1016	43	U
11104-28-2	Aroclor-1221	87	U
11141-16-5	Aroclor-1232	43	U
53469-21-9	Aroclor-1242	43	U
12672-29-6	Aroclor-1248	43	U
11097-69-1	Aroclor-1254	43	U
11096-82-5	Aroclor-1260	43	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
ORIGINAL (Red)
CKY32

Lab Name: COMPUCHEM,RTP Contract: 68D10083

Lab Code: COMPU Case No.: 18347 SAS No.: SDG No.: CKY28

Matrix: (soil/water) SOIL Lab Sample ID: 499465

Sample wt/vol: 30.00 (g/ml) G Lab File ID:

% Moisture: 18 decanted: (Y/N) N Date Received: 06/24/92

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 06/26/92

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 07/06/92

Injection Volume: 2.0 (uL) Dilution Factor: 1

GPC Cleanup: (Y/N) Y pH: 6.5 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	2.1	U
319-85-7	beta-BHC	2.1	U
319-86-8	delta-BHC	2.1	U
58-89-9	gamma-BHC (Lindane)	0.25	JP
76-44-8	Heptachlor	0.13	JP
309-00-2	Aldrin	2.1	U
1024-57-3	Heptachlor epoxide	2.1	U
959-98-8	Endosulfan I	2.1	U
60-57-1	Dieldrin	0.20	JP
72-55-9	4,4'-DDE	4.0	U
72-20-8	Endrin	4.0	U
33213-65-9	Endosulfan II	4.0	U
72-54-8	4,4'-DDD	4.0	U
1031-07-8	Endosulfan sulfate	4.0	U
50-29-3	4,4'-DDT	0.16	JP
72-43-5	Methoxychlor	21	U
53494-70-5	Endrin ketone	0.66	JP
7421-93-4	Endrin aldehyde	4.0	U
5103-71-9	alpha-Chlordane	2.1	U
5103-74-2	gamma-Chlordane	0.072	JP
8001-35-2	Toxaphene	210	U
12674-11-2	Aroclor-1016	40	U
11104-28-2	Aroclor-1221	82	U
11141-16-5	Aroclor-1232	40	U
53469-21-9	Aroclor-1242	40	U
12672-29-6	Aroclor-1248	40	U
11097-69-1	Aroclor-1254	40	U
11096-82-5	Aroclor-1260	40	U

ORIGINAL (Red)

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CKY33

Lab Name: COMPUCHEM,RTP Contract: 68D10083

Lab Code: COMPU Case No.: 18347 SAS No.: SDG No.: CKY28

Matrix: (soil/water) SOIL Lab Sample ID: 499466

Sample wt/vol: 30.00 (g/ml) G Lab File ID:

% Moisture: 11 decanted: (Y/N) N Date Received: 06/24/92

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 06/26/92

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 07/07/92

Injection Volume: 2.0 (uL) Dilution Factor: 1

GPC Cleanup: (Y/N) Y pH: 5.9 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	0.25	JP
319-85-7	beta-BHC	1.9	U
319-86-8	delta-BHC	1.9	U
58-89-9	gamma-BHC (Lindane)	0.16	JP
76-44-8	Heptachlor	0.065	JP
309-00-2	Aldrin	0.65	J
1024-57-3	Heptachlor epoxide	0.18	JP
959-98-8	Endosulfan I	0.13	JP
60-57-1	Dieldrin	3.7	U
72-55-9	4,4'-DDE	3.7	U
72-20-8	Endrin	0.075	JP
33213-65-9	Endosulfan II	3.7	U
72-54-8	4,4'-DDD	3.7	U
1031-07-8	Endosulfan sulfate	0.096	JP
50-29-3	4,4'-DDT	3.7	U
72-43-5	Methoxychlor	0.39	JB
53494-70-5	Endrin ketone	3.7	U
7421-93-4	Endrin aldehyde	3.7	U
5103-71-9	alpha-Chlordane	1.9	U
5103-74-2	gamma-Chlordane	0.41	JP
8001-35-2	Toxaphene	190	U
12674-11-2	Aroclor-1016	37	U
11104-28-2	Aroclor-1221	75	U
11141-16-5	Aroclor-1232	37	U
53469-21-9	Aroclor-1242	37	U
12672-29-6	Aroclor-1248	37	U
11097-69-1	Aroclor-1254	37	U
11096-82-5	Aroclor-1260	37	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
ORIGINAL (Red)
CKY34

Lab Name: COMPUCHEM, RTP Contract: 68D10083

Lab Code: COMPU Case No.: 18347 SAS No.: SDG No.: CKY28

Matrix: (soil/water) SOIL Lab Sample ID: 499467

Sample wt/vol: 30.00 (g/ml) G Lab File ID:

% Moisture: 13 decanted: (Y/N) N Date Received: 06/24/92

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 06/26/92

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 07/07/92

Injection Volume: 2.0 (uL) Dilution Factor: 1

GPC Cleanup: (Y/N) Y pH: 6.5 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	2.0	U
319-85-7	beta-BHC	2.0	U
319-86-8	delta-BHC	2.0	U
58-89-9	gamma-BHC (Lindane)	0.13	JP
76-44-8	Heptachlor	2.0	U
309-00-2	Aldrin	0.58	JP
1024-57-3	Heptachlor epoxide	0.30	JP
959-98-8	Endosulfan I	0.40	J
60-57-1	Dieldrin	3.8	U
72-55-9	4,4'-DDE	3.8	U
72-20-8	Endrin	0.59	JP
33213-65-9	Endosulfan II	0.31	JP
72-54-8	4,4'-DDD	3.8	U
1031-07-8	Endosulfan sulfate	3.8	U
50-29-3	4,4'-DDT	3.8	U
72-43-5	Methoxychlor	0.46	JPB
53494-70-5	Endrin ketone	0.15	JP
7421-93-4	Endrin aldehyde	3.8	U
5103-71-9	alpha-Chlordane	0.55	JP
5103-74-2	gamma-Chlordane	0.67	JP
8001-35-2	Toxaphene	200	U
12674-11-2	Aroclor-1016	38	U
11104-28-2	Aroclor-1221	77	U
11141-16-5	Aroclor-1232	38	U
53469-21-9	Aroclor-1242	38	U
12672-29-6	Aroclor-1248	38	U
11097-69-1	Aroclor-1254	38	U
11096-82-5	Aroclor-1260	38	U

ORIGINAL (R)

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CKY35

Lab Name: COMPUCHEM,RTP Contract: 68D10083

Lab Code: COMPU Case No.: 18347 SAS No.: SDG No.: CKY28

Matrix: (soil/water) SOIL Lab Sample ID: 499468

Sample wt/vol: 30.00 (g/ml) G Lab File ID:

% Moisture: 3 decanted: (Y/N) N Date Received: 06/24/92

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 06/26/92

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 07/07/92

Injection Volume: 2.0 (uL) Dilution Factor: 1

GPC Cleanup: (Y/N) Y pH: 6.9 Sulfur Cleanup: (Y/N) N

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

CAS NO.	COMPOUND		Q
319-84-6	alpha-BHC	0.100	J
319-85-7	beta-BHC	1.8	U
319-86-8	delta-BHC	1.8	U
58-89-9	gamma-BHC (Lindane)	0.41	JP
76-44-8	Heptachlor	0.050	JP
309-00-2	Aldrin	1.8	U
1024-57-3	Heptachlor epoxide	0.10	JP
959-98-8	Endosulfan I	0.30	JP
60-57-1	Dieldrin	3.4	U
72-55-9	4,4'-DDE	3.4	U
72-20-8	Endrin	0.27	JP
33213-65-9	Endosulfan II	0.22	JP
72-54-8	4,4'-DDD	3.4	U
1031-07-8	Endosulfan sulfate	3.4	U
50-29-3	4,4'-DDT	3.4	U
72-43-5	Methoxychlor	9.4	JPB
53494-70-5	Endrin ketone	0.47	J
7421-93-4	Endrin aldehyde	3.4	U
5103-71-9	alpha-Chlordane	0.39	JP
5103-74-2	gamma-Chlordane	0.41	J
8001-35-2	Toxaphene	180	U
12674-11-2	Aroclor-1016	34	U
11104-28-2	Aroclor-1221	69	U
11141-16-5	Aroclor-1232	34	U
53469-21-9	Aroclor-1242	34	U
12672-29-6	Aroclor-1248	34	U
11097-69-1	Aroclor-1254	34	U
11096-82-5	Aroclor-1260	34	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CKY36

Lab Name: COMPUCHEM,RTP Contract: 68D10083

Lab Code: COMPU Case No.: 18347 SAS No.: SDG No.: CKY28

Matrix: (soil/water) SOIL Lab Sample ID: 499470

Sample wt/vol: 30.00 (g/ml) G Lab File ID:

% Moisture: 10 decanted: (Y/N) N Date Received: 06/24/92

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 06/26/92

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 07/07/92

Injection Volume: 2.0 (uL) Dilution Factor: 1

GPC Cleanup: (Y/N) Y pH: 7.0 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	1.9	U
319-85-7	beta-BHC	1.9	U
319-86-8	delta-BHC	1.9	U
58-89-9	gamma-BHC (Lindane)	0.37	JP
76-44-8	Heptachlor	1.9	U
309-00-2	Aldrin	1.9	U
1024-57-3	Heptachlor epoxide	1.9	U
959-98-8	Endosulfan I	1.9	U
60-57-1	Dieldrin	3.7	U
72-55-9	4,4'-DDE	0.97	J
72-20-8	Endrin	0.51	JP
33213-65-9	Endosulfan II	3.7	U
72-54-8	4,4'-DDD	3.7	U
1031-07-8	Endosulfan sulfate	3.7	U
50-29-3	4,4'-DDT	1.2	JP
72-43-5	Methoxychlor	0.99	JPB
53494-70-5	Endrin ketone	0.17	JP
7421-93-4	Endrin aldehyde	3.7	U
5103-71-9	alpha-Chlordane	1.9	U
5103-74-2	gamma-Chlordane	0.45	JP
8001-35-2	Toxaphene	190	U
12674-11-2	Aroclor-1016	37	U
11104-28-2	Aroclor-1221	74	U
11141-16-5	Aroclor-1232	37	U
53469-21-9	Aroclor-1242	37	U
12672-29-6	Aroclor-1248	37	U
11097-69-1	Aroclor-1254	37	U
11096-82-5	Aroclor-1260	37	U

SAMPLE DATA PACKAGE

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
ORIGINAL (Red)
CKY37

Lab Name: COMPUCHEM,RTP Contract: 68D10083

Lab Code: COMPU Case No.: 18347 SAS No.: SDG No.: CKY28

Matrix: (soil/water) SOIL Lab Sample ID: 499471

Sample wt/vol: 30.00 (g/ml) G Lab File ID:

% Moisture: 8 decanted: (Y/N) N Date Received: 06/24/92

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 06/26/92

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 07/07/92

Injection Volume: 2.0 (uL) Dilution Factor: 1

GPC Cleanup: (Y/N) Y pH: 6.1 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	1.8	U
319-85-7	beta-BHC	1.8	U
319-86-8	delta-BHC	1.8	U
58-89-9	gamma-BHC (Lindane)	0.12	JP
76-44-8	Heptachlor	1.8	U
309-00-2	Aldrin	1.8	U
1024-57-3	Heptachlor epoxide	1.8	U
959-98-8	Endosulfan I	1.8	U
60-57-1	Dieldrin	3.6	U
72-55-9	4,4'-DDE	3.6	U
72-20-8	Endrin	3.6	U
33213-65-9	Endosulfan II	3.6	U
72-54-8	4,4'-DDD	3.6	U
1031-07-8	Endosulfan sulfate	3.6	U
50-29-3	4,4'-DDT	3.6	U
72-43-5	Methoxychlor	18	U
53494-70-5	Endrin ketone	0.12	J
7421-93-4	Endrin aldehyde	3.6	U
5103-71-9	alpha-Chlordane	1.8	U
5103-74-2	gamma-Chlordane	1.8	U
8001-35-2	Toxaphene	180	U
12674-11-2	Aroclor-1016	36	U
11104-28-2	Aroclor-1221	73	U
11141-16-5	Aroclor-1232	36	U
53469-21-9	Aroclor-1242	36	U
12672-29-6	Aroclor-1248	36	U
11097-69-1	Aroclor-1254	36	U
11096-82-5	Aroclor-1260	36	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

ORIGINAL (Red)

EPA SAMPLE NO.

CKY38

Lab Name: COMPUCHEM,RTP Contract: 68D10083

Lab Code: COMPU Case No.: 18347 SAS No.: SDG No.: CKY28

Matrix: (soil/water) SOIL Lab Sample ID: 499473

Sample wt/vol: 30.00 (g/ml) G Lab File ID:

% Moisture: 12 decanted: (Y/N) N Date Received: 06/24/92

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 06/26/92

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 07/07/92

Injection Volume: 2.0 (uL) Dilution Factor: 1

GPC Cleanup: (Y/N) Y pH: 6.7 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	1.9	U
319-85-7	beta-BHC	1.9	U
319-86-8	delta-BHC	1.9	U
58-89-9	gamma-BHC (Lindane)	1.9	U
76-44-8	Heptachlor	0.094	JP
309-00-2	Aldrin	0.37	JP
1024-57-3	Heptachlor epoxide	0.26	JP
959-98-8	Endosulfan I	0.34	J
60-57-1	Dieldrin	0.33	JP
72-55-9	4,4'-DDE	3.8	U
72-20-8	Endrin	0.56	JP
33213-65-9	Endosulfan II	3.8	U
72-54-8	4,4'-DDD	1.3	JP
1031-07-8	Endosulfan sulfate	3.8	U
50-29-3	4,4'-DDT	3.8	U
72-43-5	Methoxychlor	0.67	JPB
53494-70-5	Endrin ketone	3.8	U
7421-93-4	Endrin aldehyde	3.8	U
5103-71-9	alpha-Chlordane	0.48	JP
5103-74-2	gamma-Chlordane	0.51	JP
8001-35-2	Toxaphene	190	U
12674-11-2	Aroclor-1016	38	U
11104-28-2	Aroclor-1221	76	U
11141-16-5	Aroclor-1232	38	U
53469-21-9	Aroclor-1242	38	U
12672-29-6	Aroclor-1248	38	U
11097-69-1	Aroclor-1254	38	U
11096-82-5	Aroclor-1260	38	U

ORIGINAL (Red)

Appendix D

Reviewed and Corrected
Tentatively Identified Compounds

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.
ORIGINAL (Red)
CKY14

Lab Name: COMPUCHEM,RTP Contract: 68D10083

Lab Code: COMPU Case No.: 18347 SAS No.: _____ SDG No.: CKY14

Matrix: (soil/water) WATER Lab Sample ID: 499425

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: CN099425A56

Level: (low/med) LOW Date Received: 06/24/92

% Moisture: not dec. ____ Date Analyzed: 06/25/92

Column: DB624 ID: 0.530 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____(uL)

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.
CKY15

Lab Name: COMPUCHEM,RTP Contract: 68D10083

Lab Code: COMPU Case No.: 18347 SAS No.: _____ SDG No.: CKY14

Matrix: (soil/water) WATER Lab Sample ID: 499435

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: CN099435B56

Level: (low/med) LOW Date Received: 06/24/92

% Moisture: not dec. ____ Date Analyzed: 06/24/92

GC Column: DB624 ID: 0.530 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____(uL)

Number TICs found: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

ORIGINAL

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

CKY16

Lab Name: COMPUCHEM,RTP Contract: 68D10083

Lab Code: COMPU Case No.: 18347 SAS No.: _____ SDG No.: CKY14

Matrix: (soil/water) WATER Lab Sample ID: 499436

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: CN099436B56

Level: (low/med) LOW Date Received: 06/24/92

% Moisture: not dec. ____ Date Analyzed: 06/24/92

GC Column: DB624 ID: 0.530 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____(uL)

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.

ORIGINAL (Red)

CKY17

Lab Name: COMPUCHEM,RTP Contract: 68D10083

Lab Code: COMPU Case No.: 18347 SAS No.: _____ SDG No.: CKY14

Matrix: (soil/water) WATER Lab Sample ID: 499437

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: CN099437A56

Level: (low/med) LOW Date Received: 06/24/92

% Moisture: not dec. ____ Date Analyzed: 06/25/92

GC Column: DB624 ID: 0.530 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____(uL)

Number TICs found: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

ORIGINAL (Red)

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

CKY18

Lab Name: COMPUCHEM,RTP Contract: 68D10083

Lab Code: COMPU Case No.: 18347 SAS No.: _____ SDG No.: CKY14

Matrix: (soil/water) WATER Lab Sample ID: 499439

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: CR099439C56

Level: (low/med) LOW Date Received: 06/24/92

% Moisture: not dec. ____ Date Analyzed: 06/26/92

Column: DB624 ID: 0.530 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____(uL)

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.

CKY19

Lab Name: COMPUCHEM,RTP Contract: 68D10083

Lab Code: COMPU Case No.: 18347 SAS No.: _____ SDG No.: CKY14

Matrix: (soil/water) WATER Lab Sample ID: 499440

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: CN099440A56

Level: (low/med) LOW Date Received: 06/24/92

% Moisture: not dec. ____ Date Analyzed: 06/25/92

GC Column: DB624 ID: 0.530 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____(uL)

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.

CKY20

Lab Name: COMPUCHEM,RTP Contract: 68D10083

Lab Code: COMPU Case No.: 18347 SAS No.: _____ SDG No.: CKY14

Matrix: (soil/water) WATER Lab Sample ID: 499441

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: CN099441A56

Level: (low/med) LOW Date Received: 06/24/92

% Moisture: not dec. ____ Date Analyzed: 06/25/92

GC Column: DB624 ID: 0.530 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____(uL)

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.
ORIGINAL (Red)
CKY22

Lab Name: COMPUCHEM,RTP Contract: 68D10083

Lab Code: COMPU Case No.: 18347 SAS No.: _____ SDG No.: CKY14

Matrix: (soil/water) WATER Lab Sample ID: 499442

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: CN099442A56

Level: (low/med) LOW Date Received: 06/24/92

% Moisture: not dec. ____ Date Analyzed: 06/25/92

GC Column: DB624 ID: 0.530 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____(uL)

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.

ORIGINAL (Red)

CKY23

Lab Name: COMPUCHEM,RTP Contract: 68D10083

Lab Code: COMPU Case No.: 18347 SAS No.: _____ SDG No.: CKY14

Matrix: (soil/water) WATER Lab Sample ID: 499444

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: CN099444A56

Level: (low/med) LOW Date Received: 06/24/92

% Moisture: not dec. ____ Date Analyzed: 06/25/92

GC Column: DB624 ID: 0.530 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____(uL)

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.
ORIGINAL (Red)
CKY24

Lab Name: COMPUCHEM,RTP Contract: 68D10083

Lab Code: COMPU Case No.: 18347 SAS No.: _____ SDG No.: CKY14

Matrix: (soil/water) WATER Lab Sample ID: 499445

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: CN099445A56

Level: (low/med) LOW Date Received: 06/24/92

% Moisture: not dec. ____ Date Analyzed: 06/25/92

Column: DB624 ID: 0.530 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

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.
ORIGINAL (Red)
CKY25

Lab Name: COMPUCHEM,RTP Contract: 68D10083

Lab Code: COMPU Case No.: 18347 SAS No.: _____ SDG No.: CKY14

Matrix: (soil/water) WATER Lab Sample ID: 499447

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: CN099447B56

Level: (low/med) LOW Date Received: 06/24/92

% Moisture: not dec. ____ Date Analyzed: 06/25/92

GC Column: DB624 ID: 0.530 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____(uL)

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.
ORIGINAL (Red)
CKY26

Lab Name: COMPUCHEM,RTP Contract: 68D10083

Lab Code: COMPU Case No.: 18347 SAS No.: _____ SDG No.: CKY14

Matrix: (soil/water) WATER Lab Sample ID: 499449

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: CR099449C56

Level: (low/med) LOW Date Received: 06/24/92

% Moisture: not dec. ____ Date Analyzed: 06/26/92

GC Column: DB624 ID: 0.530 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____(uL)

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.
(Red)
CKY28

Lab Name: COMPUCHEM,RTP Contract: 68D10083

Lab Code: COMPU Case No.: 18347 SAS No.: _____ SDG No.: CKY28

Matrix: (soil/water) SOIL Lab Sample ID: 499452

Sample wt/vol: 5.0 (g/mL) G Lab File ID: GH099452B54

Level: (low/med) LOW Date Received: 06/24/92

% Moisture: not dec. 19 Date Analyzed: 06/24/92

GC Column: DB-624 ID: 0.530 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____(uL)

Number TICs found: 1

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
~~1.~~	~~LABORATORY ARTIFACT~~	2.20	36	J

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.
ORIGINAL (Red)
CKY29

Lab Name: COMPUCHEM,RTP Contract: 68D10083

Lab Code: COMPU Case No.: 18347 SAS No.: _____ SDG No.: CKY28

Matrix: (soil/water) SOIL Lab Sample ID: 499459

Sample wt/vol: 5.0 (g/mL) G Lab File ID: GH099459B54

Level: (low/med) LOW Date Received: 06/24/92

% Moisture: not dec. 17 Date Analyzed: 06/24/92

GC Column: DB-624 ID: 0.530 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____(uL)

Number TICs found: 2

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
~~1.~~	~~LABORATORY ARTIFACT~~	~~1.55~~	~~200~~	~~J~~
~~2.~~	~~LABORATORY ARTIFACT~~	~~2.18~~	~~36~~	~~J~~

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.
CKY30

Lab Name: COMPUCHEM,RTP Contract: 68D10083

Lab Code: COMPU Case No.: 18347 SAS No.: _____ SDG No.: CKY28

Matrix: (soil/water) SOIL Lab Sample ID: 499463

Sample wt/vol: 5.0 (g/mL) G Lab File ID: GH099463B54

Level: (low/med) LOW Date Received: 06/24/92

% Moisture: not dec. 40 Date Analyzed: 06/24/92

Column: DB-624 ID: 0.530 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

Number TICs found: 1

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	LABORATORY ARTIFACT	2.17	130	BJ

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.
ORIGINAL (Red)
CKY31

Lab Name: COMPUCHEM,RTP Contract: 68D10083

Lab Code: COMPU Case No.: 18347 SAS No.: _____ SDG No.: CKY28

Matrix: (soil/water) SOIL Lab Sample ID: 499464

Sample wt/vol: 5.0 (g/mL) G Lab File ID: GH099464B54

Level: (low/med) LOW Date Received: 06/24/92

% Moisture: not dec. 23 Date Analyzed: 06/24/92

GC Column: DB-624 ID: 0.530 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____(uL)

Number TICs found: 1

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	LABORATORY ARTIFACT	2.20	38	J

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

CKY32

Lab Name: COMPUCHEM,RTP Contract: 68D10083

Lab Code: COMPU Case No.: 18347 SAS No.: _____ SDG No.: CKY28

Matrix: (soil/water) SOIL Lab Sample ID: 499465

Sample wt/vol: 5.0 (g/mL) G Lab File ID: GR099465A54

Level: (low/med) LOW Date Received: 06/24/92

% Moisture: not dec. 18 Date Analyzed: 06/25/92

GC Column: DB-624 ID: 0.530 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____(uL)

Number TICs found: 1

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
~~1.~~	~~UNKNOWN~~	~~2.17~~	~~43~~	~~J~~

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

ORIGINAL
CKY33

Lab Name: COMPUCHEM,RTP Contract: 68D10083

Lab Code: COMPU Case No.: 18347 SAS No.: _____ SDG No.: CKY28

Matrix: (soil/water) SOIL Lab Sample ID: 499466

Sample wt/vol: 5.0 (g/mL) G Lab File ID: GR099466A54

Level: (low/med) LOW Date Received: 06/24/92

% Moisture: not dec. 11 Date Analyzed: 06/25/92

GC Column: DB-624 ID: 0.530 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____(uL)

Number TICs found: 1

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
~~1.~~	~~LABORATORY ARTIFACT~~	2.18	11	BJ

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.
ORIGINAL (Red)
CKY34

Lab Name: COMPUCHEM, RTP Contract: 68D10083

Lab Code: COMPU Case No.: 18347 SAS No.: _____ SDG No.: CKY28

Matrix: (soil/water) SOIL Lab Sample ID: 499467

Sample wt/vol: 5.0 (g/mL) G Lab File ID: GH099467B54

Level: (low/med) LOW Date Received: 06/24/92

% Moisture: not dec. 13 Date Analyzed: 06/24/92

GC Column: DB-624 ID: 0.530 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____(uL)

Number TICs found: 1

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
~~1.~~	~~LABORATORY ARTIFACT~~	2.20	29	J

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.
ORIGINAL (RED)
CKY35

Lab Name: COMPUCHEM,RTP Contract: 68D10083

Lab Code: COMPU Case No.: 18347 SAS No.: _____ SDG No.: CKY28

Matrix: (soil/water) SOIL Lab Sample ID: 499468

Sample wt/vol: 5.0 (g/mL) G Lab File ID: GH099468B54

Level: (low/med) LOW Date Received: 06/24/92

% Moisture: not dec. 3 Date Analyzed: 06/25/92

GC Column: DB-624 ID: 0.530 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____(uL)

Number TICs found: 1

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
~~1.~~	~~LABORATORY ARTIFACT~~	~~2.20~~	~~34~~	J

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.
ORIGINAL (RCD)
CKY36

Lab Name: COMPUCHEM,RTP Contract: 68D10083

Lab Code: COMPU Case No.: 18347 SAS No.: _____ SDG No.: CKY28

Matrix: (soil/water) SOIL Lab Sample ID: 499470

Sample wt/vol: 5.0 (g/mL) G Lab File ID: GR099470A54

Level: (low/med) LOW Date Received: 06/24/92

% Moisture: not dec. 10 Date Analyzed: 06/25/92

GC Column: DB-624 ID: 0.530 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____(uL)

Number TICs found: 2

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	LABORATORY ARTIFACT	1.55	43	J
2.	LABORATORY ARTIFACT	2.18	14	J

FORM I VOA-TIC 3/90

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.
CKY37

Lab Name: COMPUCHEM,RTP Contract: 68D10083

Lab Code: COMPU Case No.: 18347 SAS No.: _____ SDG No.: CKY28

Matrix: (soil/water) SOIL Lab Sample ID: 499471

Sample wt/vol: 5.0 (g/mL) G Lab File ID: GH099471B54

Level: (low/med) LOW Date Received: 06/24/92

% Moisture: not dec. 8 Date Analyzed: 06/25/92

GC Column: DB-624 ID: 0.530 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____(uL)

Number TICs found: 1

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
~~1.~~	~~LABORATORY ARTIFACT~~	2.18	30	J

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

CKY38

Lab Name: COMPUCHEM,RTP Contract: 68D10083

Lab Code: COMPU Case No.: 18347 SAS No.: _____ SDG No.: CKY28

Matrix: (soil/water) SOIL Lab Sample ID: 499473

Sample wt/vol: 5.0 (g/mL) G Lab File ID: GH099473C54

Level: (low/med) LOW Date Received: 06/24/92

% Moisture: not dec. 12 Date Analyzed: 06/25/92

GC Column: DB-624 ID: 0.530 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____(uL)

Number TICs found: 1

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
~~1.~~	~~LABORATORY ARTIFACT~~	~~2.15~~	~~54~~	BJ

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO. ORIGINAL (Red)

CKY14

Lab Name: COMPUCHEM, RTP Contract: 68D10083

Lab Code: COMPU Case No.: 18347 SAS No.: _____ SDG No.: CKY14

Matrix: (soil/water) WATER Lab Sample ID: 499425

Sample wt/vol: 1000 (g/mL) ML Lab File ID: GH099425B02

Level: (low/med) LOW Date Received: 06/24/92

% Moisture: _____ decanted: (Y/N) ___ Date Extracted: 06/26/92

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 06/29/92

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ____

Number TICs found: 7

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
~~1.~~	~~BLANK CONTAMINANT~~	~~4.80~~	~~26~~	~~BJ~~ HP
~~2.~~	~~BLANK CONTAMINANT~~	~~5.13~~	~~11~~	~~BJ~~ 9/25/92
3.	UNKNOWN	5.18	2	J
4.	UNKNOWN	10.80	11	J
5.	UNKNOWN	10.87	5	J
~~6.~~	~~LABORATORY ARTIFACT~~	~~14.07~~	~~7~~	~~J~~ HP
~~7.~~	~~LABORATORY ARTIFACT~~	~~15.37~~	~~17~~	~~BJ~~ 9/25/92

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.
ORIGINAL (Red)
CKY15

Lab Name: COMPUCHEM,RTP Contract: 68D10083

Lab Code: COMPU Case No.: 18347 SAS No.: _____ SDG No.: CKY14

Matrix: (soil/water) WATER Lab Sample ID: 499435

Sample wt/vol: 1000 (g/mL) ML Lab File ID: GH099435B02

Level: (low/med) LOW Date Received: 06/24/92

% Moisture: _____ decanted: (Y/N) ___ Date Extracted: 06/26/92

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 06/29/92

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ____

Number TICs found: 5

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	4.42	6	J
2.	BLANK CONTAMINANT	4.80	17	BJ
3.	UNKNOWN	4.95	6	J
4.	UNKNOWN	5.07	4	J
5.	BLANK CONTAMINANT	5.13	14	BJ

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

CKY16

Lab Name: COMPUCHEM,RTP Contract: 68D10083

Lab Code: COMPU Case No.: 18347 SAS No.: _____ SDG No.: CKY14

Matrix: (soil/water) WATER Lab Sample ID: 499436

Sample wt/vol: 1000 (g/mL) ML Lab File ID: GH099436B02

Level: (low/med) LOW Date Received: 06/24/92

% Moisture: _____ decanted: (Y/N) ___ Date Extracted: 06/26/92

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 06/29/92

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ____

Number TICs found: 6

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
~~1.~~	~~UNKNOWN~~	~~4.48~~	~~4~~	~~J~~
~~2.~~	~~BLANK CONTAMINANT~~	~~4.67~~	~~13~~	~~BJ~~
~~3.~~	~~UNKNOWN~~	~~5.07~~	~~5~~	~~J~~
~~4.~~	~~LABORATORY ARTIFACT~~	~~14.10~~	~~6~~	~~J~~
~~5.~~	~~LABORATORY ARTIFACT~~	~~15.40~~	~~12~~	~~BJ~~
6.	UNKNOWN	16.65	5	J

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.
CKY17

Lab Name: COMPUCHEM,RTP Contract: 68D10083

Lab Code: COMPU Case No.: 18347 SAS No.: _____ SDG No.: CKY14

Matrix: (soil/water) WATER Lab Sample ID: 499437

Sample wt/vol: 1000 (g/mL) ML Lab File ID: GH099437B02

Level: (low/med) LOW Date Received: 06/24/92

% Moisture: _____ decanted: (Y/N) ___ Date Extracted: 06/26/92

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 06/30/92

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ____

Number TICs found: 1

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
~~1.~~	~~LABORATORY ARTIFACT~~	~~15.39~~	~~7~~	BJ

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

ORIGINAL (Red)
EPA SAMPLE NO.
CKY18

Lab Name: COMPUCHEM,RTP Contract: 68D10083

Lab Code: COMPU Case No.: 18347 SAS No.: _____ SDG No.: CKY14

Matrix: (soil/water) WATER Lab Sample ID: 499439

Sample wt/vol: 1000 (g/mL) ML Lab File ID: GH099439B02

Level: (low/med) LOW Date Received: 06/24/92

% Moisture: _____ decanted: (Y/N) ___ Date Extracted: 06/26/92

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 06/29/92

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ____

Number TICs found: 2

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
~~1.~~	~~LABORATORY ARTIFACT~~	~~14.10~~	~~3~~	~~J~~
~~2.~~	~~LABORATORY ARTIFACT~~	~~15.42~~	~~27~~	BJ

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

CKY19

Lab Name: COMPUCHEM,RTP Contract: 68D10083

Lab Code: COMPU Case No.: 18347 SAS No.: _____ SDG No.: CKY14

Matrix: (soil/water) WATER Lab Sample ID: 499440

Sample wt/vol: 1000 (g/mL) ML Lab File ID: GH099440B02

Level: (low/med) LOW Date Received: 06/24/92

% Moisture: _____ decanted: (Y/N) ___ Date Extracted: 06/26/92

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 06/30/92

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

Number TICs found: 4

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	4.50	4	J
2.	UNKNOWN	4.68	10	J
3.	UNKNOWN	5.08	4	J
4.	LABORATORY ARTIFACT	15.40	18	BJ

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.
ORIGINAL (Red)
CKY20

Lab Name: COMPUCHEM,RTP Contract: 68D10083

Lab Code: COMPU Case No.: 18347 SAS No.: _____ SDG No.: CKY14

Matrix: (soil/water) WATER Lab Sample ID: 499441

Sample wt/vol: 1000 (g/mL) ML Lab File ID: GH099441B02

Level: (low/med) LOW Date Received: 06/24/92

% Moisture: _____ decanted: (Y/N) ___ Date Extracted: 06/26/92

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 06/30/92

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

Number TICs found: 17

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
~~1.~~	~~UNKNOWN~~	~~5.10~~	~~9~~	~~J~~
~~2.~~	~~TRICHLOROPROPENE~~	~~5.18~~	~~3~~	~~J~~
3.	UNKNOWN CARBOXYLIC ACID	11.30	3	J
4.	UNKNOWN CARBOXYLIC ACID	12.45	20	J
5.	UNKNOWN	13.42	4	J
6.	UNKNOWN CARBOXYLIC ACID	13.49	9	J
~~7.~~	~~LAB. ARTIFACT~~	~~14.12~~	~~8~~	~~J~~
~~8.~~	~~LAB. ARTIFACT~~	~~15.42~~	~~22~~	~~BJ~~
9.	UNKNOWN	16.34	7	J
10.	UNKNOWN	16.67	7	J
11.	UNKNOWN	16.82	7	J
12.	UNKNOWN	17.35	5	J
13.	UNKNOWN	17.49	4	J
14.	UNKNOWN	19.15	68	J
15.	UNKNOWN	19.54	160	J
16.	UNKNOWN	20.02	9	J
17.	UNKNOWN	20.99	5	J

ORIGINAL (Rev.)

EPA SAMPLE NO.

CKY22

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: COMPUCHEM,RTP Contract: 68D10083

Lab Code: COMPU Case No.: 18347 SAS No.: _____ SDG No.: CKY14

Matrix: (soil/water) WATER Lab Sample ID: 499442

Sample wt/vol: 1000 (g/mL) ML Lab File ID: GH099442B02

Level: (low/med) LOW Date Received: 06/24/92

% Moisture: _____ decanted: (Y/N) ___ Date Extracted: 06/26/92

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 06/30/92

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ____

Number TICs found: 3

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	BLANK CONTAMINANT	4.70	10	BJ
2.	BLANK CONTAMINANT	5.08	6	BJ
3.	LABORATORY ARTIFACT	15.42	12	BJ

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.
ORIGINAL (Red)
CKY23

Lab Name: COMPUCHEM,RTP Contract: 68D10083

Lab Code: COMPU Case No.: 18347 SAS No.: _____ SDG No.: CKY14

Matrix: (soil/water) WATER Lab Sample ID: 499444

Sample wt/vol: 1000 (g/mL) ML Lab File ID: GH099444B02

Level: (low/med) LOW Date Received: 06/24/92

% Moisture: _____ decanted: (Y/N) ___ Date Extracted: 06/26/92

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 06/30/92

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ____

Number TICs found: 2

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
~~1.~~	~~BLANK CONTAMINANT~~	~~5.05~~	~~3~~	~~BJ~~
~~2.~~	~~LABORATORY ARTIFACT~~	~~15.37~~	~~5~~	~~BJ~~

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

ORIGINAL (Red)

CKY24

Lab Name: COMPUCHEM,RTP Contract: 68D10083

Lab Code: COMPU Case No.: 18347 SAS No.: _____ SDG No.: CKY14

Matrix: (soil/water) WATER Lab Sample ID: 499445

Sample wt/vol: 1000 (g/mL) ML Lab File ID: GH099445A07

Level: (low/med) LOW Date Received: 06/24/92

% Moisture: _____ decanted: (Y/N) ___ Date Extracted: 06/25/92

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 06/30/92

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ____

Number TICs found: 3

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
~~1.~~	~~BLANK CONTAMINANT~~	4.65	2	BJ
2.	UNKNOWN	13.57	5	J
3.	UNKNOWN	13.67	25	J

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.
ORIGINAL (Red)
CKY25

Lab Name: COMPUCHEM,RTP Contract: 68D10083

Lab Code: COMPU Case No.: 18347 SAS No.: _____ SDG No.: CKY14

Matrix: (soil/water) WATER Lab Sample ID: 499447

Sample wt/vol: 1000 (g/mL) ML Lab File ID: GH099447A07

Level: (low/med) LOW Date Received: 06/24/92

% Moisture: _____ decanted: (Y/N) ___ Date Extracted: 06/25/92

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 06/30/92

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ____

Number TICs found: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.
ORIGINAL (Red)
CKY26

Lab Name: COMPUCHEM,RTP Contract: 68D10083

Lab Code: COMPU Case No.: 18347 SAS No.: _____ SDG No.: CKY14

Matrix: (soil/water) WATER Lab Sample ID: 499449

Sample wt/vol: 1000 (g/mL) ML Lab File ID: GH099449A07

Level: (low/med) LOW Date Received: 06/24/92

% Moisture: _____ decanted: (Y/N) ___ Date Extracted: 06/25/92

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 06/30/92

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

Number TICs found: 3

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
~~1.~~	~~UNKNOWN~~	~~4.67~~	~~7~~	~~J~~
2.	UNKNOWN	13.39	7	J
3.	UNKNOWN	14.44	18	J

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.
ORIGINAL (Red)
CKY28

Lab Name: COMPUCHEM,RTP Contract: 68D10083

Lab Code: COMPU Case No.: 18347 SAS No.: _____ SDG No.: CKY28

Matrix: (soil/water) SOIL Lab Sample ID: 499452

Sample wt/vol: 30.1 (g/mL) G Lab File ID: GR099452A57

Level: (low/med) LOW Date Received: 06/24/92

% Moisture: 19 decanted: (Y/N) N Date Extracted: 07/07/92

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 07/09/92

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.2

Number TICs found: 15

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	6.40	120	J
2.	~~BLANK CONTAMINANT~~	6.48	160	BJ
3.	~~BLANK CONTAMINANT~~	6.55	200	BJ
4.	UNKNOWN ALKANE	8.47	370	J
5.	UNKNOWN	12.24	82	J
6.	UNKNOWN HYDROCARBON	15.14	82	J
7.	UNKNOWN HYDROCARBON	17.10	82	J
8.	LABORATORY ARTIFACT	17.62	290	J
9.	UNKNOWN HYDROCARBON	18.29	120	J
10.	UNKNOWN HYDROCARBON	19.84	160	J
11.	UNKNOWN	21.30	120	J
12.	UNKNOWN HYDROCARBON	21.97	290	J
13.	UNKNOWN	24.14	120	J
14.	UNKNOWN	24.15	160	J
15.	UNKNOWN HYDROCARBON	25.11	200	J

HP 9/10/92

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.
ORIGINAL (Red) CKY29

Lab Name: COMPUCHEM,RTP Contract: 68D10083

Lab Code: COMPU Case No.: 18347 SAS No.: _____ SDG No.: CKY28

Matrix: (soil/water) SOIL Lab Sample ID: 499459

Sample wt/vol: 30.7 (g/mL) G Lab File ID: G2R99459A05

Level: (low/med) LOW Date Received: 06/24/92

% Moisture: 17 decanted: (Y/N) N Date Extracted: 07/10/92

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 07/15/92

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 6.6

Number TICs found: 17

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
~~1.~~	~~BLANK CONTAMINANT~~	~~4.75~~	~~200~~	~~BJ~~ HP
~~2.~~	~~TETRACHLOROETHANE~~	~~4.82~~	~~120~~	~~J~~
3.	UNKNOWN HYDROCARBON	6.98	120	J
4.	UNKNOWN HYDROCARBON	7.63	79	J
5.	UNKNOWN	7.68	430	J
6.	UNKNOWN	8.70	510	J
7.	UNKNOWN HYDROCARBON	8.84	120	J
8.	UNKNOWN HYDROCARBON	9.37	160	J
9.	UNKNOWN	9.75	390	J
10.	UNKNOWN	9.80	200	J
11.	UNKNOWN HYDROCARBON	10.39	200	J
12.	UNKNOWN + HYDROCARBON	10.85	200	J
~~13.~~	~~LABORATORY ARTIFACT~~	~~11.40~~	~~310~~	~~BJ~~ HP
~~14.~~	~~LABORATORY ARTIFACT~~	~~12.85~~	~~200~~	~~BJ~~
~~15.~~	~~LABORATORY ARTIFACT~~	~~13.07~~	~~8600~~	~~BJ~~
16.	UNKNOWN	16.67	240	J
17.	UNKNOWN PAH	17.19	160	J

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.
ORIGINAL (Red)
CKY30

Lab Name: COMPUCHEM,RTP Contract: 68D10083

Lab Code: COMPU Case No.: 18347 SAS No.: _____ SDG No.: CKY28

Matrix: (soil/water) SOIL Lab Sample ID: 499463

Sample wt/vol: 30.0 (g/mL) G Lab File ID: GH099463A15

Level: (low/med) LOW Date Received: 06/24/92

% Moisture: 40 decanted: (Y/N) N Date Extracted: 06/26/92

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 07/01/92

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 5.5

Number TICs found: 26

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	5.10	1200	J
~~2.~~	~~BLANK CONTAMINANT~~	5.20	5600	BJ
~~3.~~	~~BLANK CONTAMINANT~~	5.25	670	BJ
~~4.~~	~~BLANK CONTAMINANT~~	5.32	720	BJ
~~5.~~	~~BLANK CONTAMINANT~~	5.35	1200	BJ
~~6.~~	~~UNKNOWN~~	5.45	1300	J
7.	UNKNOWN	5.62	1100	J
8.	UNKNOWN	5.77	1700	J
9.	UNKNOWN	5.80	1000	J
10.	UNKNOWN	5.83	780	J
~~11.~~	~~UNKNOWN~~	6.33	610	J
12.	UNKNOWN	10.72	720	J
13.	UNKNOWN	11.25	780	J
14.	UNKNOWN HYDROCARBON	12.87	670	J
15.	UNKNOWN	13.05	560	J
~~16.~~	~~LABORATORY ARTIFACT~~	13.32	780	J
~~17.~~	~~LABORATORY ARTIFACT~~	13.37	14000	J
18.	UNKNOWN	13.62	830	J
19.	UNKNOWN HYDROCARBON	14.00	2700	J
20.	UNKNOWN	14.27	1200	J
21.	UNKNOWN HYDROCARBON	15.50	4000	J
22.	UNKNOWN	16.97	2300	J
23.	UNKNOWN HYDROCARBON	17.70	17000	J
24.	UNKNOWN	21.07	4600	J
25.	UNKNOWN	21.17	7800	J
26.	UNKNOWN	27.16	6700	J

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

ORIGINAL (Red)

CKY31

Lab Name: COMPUCHEM,RTP Contract: 68D10083

Lab Code: COMPU Case No.: 18347 SAS No.: _____ SDG No.: CKY28

Matrix: (soil/water) SOIL Lab Sample ID: 499464

Sample wt/vol: 30.0 (g/mL) G Lab File ID: GR099464A57

Level: (low/med) LOW Date Received: 06/24/92

% Moisture: 23 decanted: (Y/N) N Date Extracted: 07/07/92

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 07/09/92

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.1

Number TICs found: 22

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	5.98	1100	J
~~2.~~	~~UNKNOWN~~	~~6.43~~	~~130~~	~~J~~
~~3.~~	~~BLANK CONTAMINANT~~	~~6.50~~	~~170~~	~~BJ~~
~~4.~~	~~BLANK CONTAMINANT~~	~~6.58~~	~~260~~	~~BJ~~
5.	UNKNOWN ALKANE	8.49	170	J
6.	UNKNOWN	16.89	130	J
7.	UNKNOWN HYDROCARBON	17.12	86	J
~~8.~~	~~LABORATORY ARTIFACT~~	~~17.65~~	~~130~~	~~J~~
9.	UNKNOWN HYDROCARBON	18.32	220	J
10.	UNKNOWN	18.95	220	J
11.	UNKNOWN	19.37	130	J
12.	UNKNOWN HYDROCARBON	19.85	390	J
13.	UNKNOWN	19.99	260	J
14.	UNKNOWN	21.32	350	J
15.	UNKNOWN HYDROCARBON	22.00	950	J
16.	UNKNOWN	22.20	260	J
17.	UNKNOWN	23.39	130	J
18.	UNKNOWN	24.19	560	J
19.	UNKNOWN HYDROCARBON	25.12	650	J
20.	UNKNOWN HYDROCARBON	25.14	610	J
21.	UNKNOWN	28.47	390	J
22.	UNKNOWN	28.49	350	J

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.
CKY32

Lab Name: COMPUCHEM,RTP Contract: 68D10083

Lab Code: COMPU Case No.: 18347 SAS No.: _____ SDG No.: CKY28

Matrix: (soil/water) SOIL Lab Sample ID: 499465

Sample wt/vol: 30.0 (g/mL) G Lab File ID: GH099465A15

Level: (low/med) LOW Date Received: 06/24/92

% Moisture: 18 decanted: (Y/N) N Date Extracted: 06/26/92

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 07/01/92

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 6.5

Number TICs found: 26

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	5.02	200	J
2.	UNKNOWN	5.08	1400	J
3.	BLANK CONTAMINANT	5.20	5700	BJ
4.	BLANK CONTAMINANT	5.23	610	BJ
5.	BLANK CONTAMINANT	5.33	1300	BJ
6.	UNKNOWN	5.38	160	J
7.	UNKNOWN	5.45	610	J
8.	UNKNOWN	5.60	1300	J
9.	BLANK CONTAMINANT	5.78	1900	BJ
10.	UNKNOWN	5.83	320	J
11.	UNKNOWN	6.02	160	J
12.	UNKNOWN	6.22	450	J
13.	UNKNOWN	6.33	320	J
14.	UNKNOWN	6.60	200	J
15.	UNKNOWN	6.90	160	J
16.	UNKNOWN HYDROCARBON	8.99	120	J
17.	UNKNOWN HYDROCARBON	9.50	160	J
18.	UNKNOWN	11.22	1100	J
19.	UNKNOWN	11.25	730	J
20.	UNKNOWN	12.10	370	J
21.	LABORATORY ARTIFACT	13.29	370	J
22.	LABORATORY ARTIFACT	13.34	6900	J
23.	UNKNOWN HYDROCARBON	13.97	650	J
24.	UNKNOWN HYDROCARBON	15.45	970	J
25.	UNKNOWN	16.92	1300	J
26.	UNKNOWN	17.70	4000	J

ORIGINAL (Red)

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

CKY33

Lab Name: COMPUCHEM,RTP Contract: 68D10083

Lab Code: COMPU Case No.: 18347 SAS No.: _____ SDG No.: CKY28

Matrix: (soil/water) SOIL Lab Sample ID: 499466

Sample wt/vol: 30.0 (g/mL) G Lab File ID: GH099466A15

Level: (low/med) LOW Date Received: 06/24/92

% Moisture: 11 decanted: (Y/N) N Date Extracted: 06/26/92

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 07/02/92

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 5.9

Number TICs found: 26

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	5.05	150	J
2.	UNKNOWN	5.10	1200	J
~~3.~~	~~BLANK CONTAMINANT~~	5.20	3500	BJ
~~4.~~	~~BLANK CONTAMINANT~~	5.25	300	BJ
~~5.~~	~~BLANK CONTAMINANT~~	5.32	370	BJ
~~6.~~	~~BLANK CONTAMINANT~~	5.35	450	BJ
~~7.~~	~~UNKNOWN~~	5.47	450	J
8.	UNKNOWN	5.62	790	J
~~9.~~	~~BLANK CONTAMINANT~~	5.80	1500	BJ
~~10.~~	~~UNKNOWN~~	6.35	260	J
11.	UNKNOWN	6.62	190	J
12.	UNKNOWN HYDROCARBON	7.28	260	J
13.	UNKNOWN	9.75	300	J
14.	UNKNOWN	9.99	190	J
15.	UNKNOWN	10.14	150	J
16.	UNKNOWN	10.74	260	J
17.	UNKNOWN	11.27	560	J
18.	UNKNOWN HYDROCARBON	11.47	190	J
19.	UNKNOWN	11.94	370	J
~~20.~~	~~LABORATORY ARTIFACT~~	13.39	7500	J
21.	UNKNOWN	13.64	260	J
22.	UNKNOWN	14.02	520	J
23.	UNKNOWN	14.29	340	J
24.	UNKNOWN	15.52	450	J
25.	UNKNOWN	17.72	2200	J
26.	UNKNOWN	17.84	2000	J

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

ORIGINAL (Red)

EPA SAMPLE NO.

CKY34

Lab Name: COMPUCHEM,RTP Contract: 68D10083

Lab Code: COMPU Case No.: 18347 SAS No.: _____ SDG No.: CKY28

Matrix: (soil/water) SOIL Lab Sample ID: 499467

Sample wt/vol: 30.0 (g/mL) G Lab File ID: GR099467B57

Level: (low/med) LOW Date Received: 06/24/92

% Moisture: 13 decanted: (Y/N) N Date Extracted: 07/07/92

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 07/09/92

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 6.5

Number TICs found: 6

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN HYDROCARBON	19.82	150	J
2.	UNKNOWN	21.27	270	J
3.	UNKNOWN HYDROCARBON	21.97	500	J
4.	UNKNOWN	23.30	730	J
5.	UNKNOWN	24.12	150	J
6.	UNKNOWN HYDROCARBON	25.07	460	J

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

CKY35

Lab Name: COMPUCHEM,RTP Contract: 68D10083

Lab Code: COMPU Case No.: 18347 SAS No.: _____ SDG No.: CKY28

Matrix: (soil/water) SOIL Lab Sample ID: 499468

Sample wt/vol: 30.0 (g/mL) G Lab File ID: GR099468A57

Level: (low/med) LOW Date Received: 06/24/92

% Moisture: 3 decanted: (Y/N) N Date Extracted: 07/07/92

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 07/09/92

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 6.9

Number TICs found: 21

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
~~1.~~	~~UNKNOWN~~	~~6.40~~	~~210~~	~~J~~
~~2.~~	~~BLANK CONTAMINANT~~	~~6.55~~	~~210~~	~~BJ~~ Highly
3.	UNKNOWN	7.10	270	J
4.	UNKNOWN HYDROCARBON	8.47	790	J
5.	UNKNOWN HYDROCARBON	9.44	650	J
6.	UNKNOWN HYDROCARBON	10.35	760	J
7.	UNKNOWN HYDROCARBON	11.19	620	J
8.	UNKNOWN HYDROCARBON	11.99	620	J
9.	UNKNOWN HYDROCARBON	13.47	690	J
10.	UNKNOWN HYDROCARBON	14.14	620	J
11.	UNKNOWN HYDROCARBON	14.79	450	J
12.	UNKNOWN HYDROCARBON	15.40	410	J
13.	UNKNOWN HYDROCARBON	15.99	380	J
14.	UNKNOWN HYDROCARBON	16.55	310	J
15.	UNKNOWN HYDROCARBON	17.10	380	J
16.	UNKNOWN HYDROCARBON	17.67	310	J
17.	UNKNOWN HYDROCARBON	18.30	310	J
18.	UNKNOWN HYDROCARBON	19.82	310	J
19.	UNKNOWN	22.15	340	J
20.	UNKNOWN HYDROCARBON	25.09	510	J
21.	UNKNOWN HYDROCARBON	19.00	140	J

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.
ORIGINAL (Red)
CKY36

Lab Name: COMPUCHEM,RTP Contract: 68D10083

Lab Code: COMPU Case No.: 18347 SAS No.: _____ SDG No.: CKY28

Matrix: (soil/water) SOIL Lab Sample ID: 499470

Sample wt/vol: 30.0 (g/mL) G Lab File ID: GR099470A57

Level: (low/med) LOW Date Received: 06/24/92

% Moisture: 10 decanted: (Y/N) N Date Extracted: 07/07/92

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 07/09/92

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.0

Number TICs found: 16

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
~~1.~~	~~UNKNOWN~~	~~6.42~~	~~150~~	~~J~~
~~2.~~	~~BLANK CONTAMINANT~~	~~6.48~~	~~150~~	~~BJ~~
~~3.~~	~~BLANK CONTAMINANT~~	~~6.57~~	~~220~~	~~BJ~~
4.	UNKNOWN	15.15	180	J
5.	UNKNOWN HYDROCARBON	17.10	110	J
6.	UNKNOWN	17.90	110	J
7.	UNKNOWN HYDROCARBON	18.30	110	J
8.	UNKNOWN HYDROCARBON	19.84	370	J
9.	UNKNOWN	19.95	330	J
10.	UNKNOWN HYDROCARBON	20.80	180	J
11.	UNKNOWN	21.34	1600	J
12.	UNKNOWN	22.12	1600	J
13.	UNKNOWN	23.37	150	J
14.	UNKNOWN	24.15	370	J
15.	UNKNOWN HYDROCARBON	25.12	1700	J
16.	UNKNOWN	25.57	110	J

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

ORIGINAL (Red)

EPA SAMPLE NO.

CKY37

Lab Name: COMPUCHEM,RTP Contract: 68D10083

Lab Code: COMPU Case No.: 18347 SAS No.: _____ SDG No.: CKY28

Matrix: (soil/water) SOIL Lab Sample ID: 499471

Sample wt/vol: 30.0 (g/mL) G Lab File ID: GH099471A15

Level: (low/med) LOW Date Received: 06/24/92

% Moisture: 8 decanted: (Y/N) N Date Extracted: 06/26/92

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 07/02/92

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 6.1

Number TICs found: 17

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
~~1.~~	~~UNKNOWN~~	~~5.07~~	~~330~~	~~J~~
~~2.~~	~~BLANK CONTAMINANT~~	~~5.17~~	~~1000~~	~~BJ~~
~~3.~~	~~BLANK CONTAMINANT~~	~~5.22~~	~~140~~	~~BJ~~
~~4.~~	~~BLANK CONTAMINANT~~	~~5.27~~	~~220~~	~~BJ~~
~~5.~~	~~BLANK CONTAMINANT~~	~~5.32~~	~~360~~	~~BJ~~
6.	UNKNOWN	5.38	72	J
7.	UNKNOWN	5.60	220	J
~~8.~~	~~BLANK CONTAMINANT~~	~~5.77~~	~~290~~	~~BJ~~
9.	UNKNOWN	5.98	140	J
10.	UNKNOWN	11.24	290	J
11.	UNKNOWN	12.85	110	J
12.	UNKNOWN	13.27	290	J
~~13.~~	~~LABORATORY ARTIFACT~~	~~13.34~~	~~8300~~	~~J~~
14.	UNKNOWN	14.00	180	J
15.	UNKNOWN	17.65	330	J
16.	UNKNOWN	17.84	220	J
17.	UNKNOWN	27.42	510	J

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

ORIGINAL (Re) CKY38

Lab Name: COMPUCHEM,RTP Contract: 68D10083

Lab Code: COMPU Case No.: 18347 SAS No.: _____ SDG No.: CKY28

Matrix: (soil/water) SOIL Lab Sample ID: 499473

Sample wt/vol: 30.0 (g/mL) G Lab File ID: GR099473A57

Level: (low/med) LOW Date Received: 06/24/92

% Moisture: 14 decanted: (Y/N) N Date Extracted: 07/07/92

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 07/09/92

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 6.4

Number TICs found: 7

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	16.90	39	J
2.	UNKNOWN HYDROCARBON	18.30	120	J
3.	UNKNOWN HYDROCARBON	19.82	190	J
4.	UNKNOWN	21.29	430	J
5.	UNKNOWN HYDROCARBON	21.95	660	J
6.	UNKNOWN	24.14	350	J
7.	UNKNOWN HYDROCARBON	25.07	660	J

ORIGINAL
(Red)

Appendix E

Organic Regional Data Assessment Summary

ORIGINAL (Red)

TPO: [X] ACTION [ ] FYI Region III

ORGANIC REGIONAL DATA ASSESSMENT SUMMARY

CASE NO: 18347
SDG NO: CKY14
SOW: 3/90
NO. OF SAMPLES: TWELVE (12)

LABORATORY: COMPU
DATA USER: TOM BENNETT
REVIEW COMPLETION DATE: 10/1/1992
MATRIX: WATER

REVIEWER: ESAT

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

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 = TPO action requested; use in conjunction with one of the above codes.

TPO ACTION ITEMS: (See Item 3B.)
AREAS OF CONCERN: (Documentation Attached, See Following Pages.)

ORIGINAL (Red)

TPO: [X] ACTION [ ] FYI Region III

ORGANIC REGIONAL DATA ASSESSMENT SUMMARY

CASE NO: 18347
SDG NO: CKY28
SOW: 3/90
NO. OF SAMPLES: ELEVEN (11)

LABORATORY: COMPU
DATA USER: TOM BENNETT
REVIEW COMPLETION DATE: 10/1/1992
MATRIX: SOIL

REVIEWER: ESAT

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

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 = TPO action requested; use in conjunction with one of the above codes.

TPO ACTION ITEMS: (See Item 7B.)
AREAS OF CONCERN: (Documentation Attached, See Following Pages.)

ORIGINAL (Red)

ORGANIC REGIONAL DATA ASSESSMENT SUMMARY NOTES
CASE: 18347 SDG: CKY14 AQUEOUS SAMPLES

Item 3A and 3B — Several compounds failed precision criteria in the volatile and semivolatile initial calibrations. One target compound (3-nitroaniline) in the semivolatile fraction had a relative response factor (RRF) less than 0.05 in the initial calibration dated 6/15/92. (See Table I in Appendix F).

Item 4A and 4B — Several compounds failed the precision criteria in the volatile semivolatile continuing calibrations. (See Table I in Appendix F.)

Item 5A 5B and 5C — The maximum concentrations of all compounds found in the analyses of field blanks are listed below:

COMPOUND	CONCENTRATION
methylene chloride*	22 µg/L
acetone*	15 µg/L
butylbenzylphthalate*	120 J µg/Kg
bis(2-ethylhexyl)phthalate*	2 J µg/L
methoxychlor	0.59 J µg/Kg

* Common Laboratory Contaminant

Item 6A and 6B — The maximum concentrations of all compounds found in the analyses of laboratory method blanks are listed below:

COMPOUND	CONCENTRATION
methylene chloride*	30 µg/L
acetone*	31 µg/L
phenol	3 J µg/Kg
diethylphthalate*	1 J µg/Kg

* Common Laboratory Contaminant

Item 7B and 7C — In the semivolatile analyses, aqueous samples CKY16, CKY19 and CKY20 had one (1) and sample CKY18 had two (2) (one acid and one base) surrogate recoveries above the QC limits. Sample CKY18MSD did not show any surrogate recovery due to an extraction error. In the pesticide/PCB analyses, aqueous samples CKY14 and CKY26 had one (1) each of their surrogate recoveries below the QC limits but greater than 10%. (See FORM II SV-1, case narrative and FORM II PEST-1 in Appendix F.)

Item 8B — During the semivolatile analysis, sample CKY18MSD failed the spike recovery criteria due to an extraction error and no reanalysis was performed. (See FORM III SV-1 in Appendix F.)

ORIGINAL (Red)

ORGANIC REGIONAL DATA ASSESSMENT SUMMARY NOTES
CASE: 18347 SDG: CKY28 SOIL SAMPLES

Item 1B The semivolatile extractions of samples CKY28, CKY31, CKY34, CKY35, CKY36 and CKY38 were performed thirteen (13) and sample CKY29 was performed seventeen (17) days from the date of sample collection. Although no technical holding time for the semivolatile extraction of the soil samples has been established, the technical holding time of seven (7) days for the aqueous samples has been exceeded by six (6) days and ten (10) days in these samples. The aqueous sample holding time was applied to these samples. (See Traffic Report in Appendix F.)

Item 3A and 3B Several compounds failed the precision criteria in the volatile and semivolatile initial calibrations. (See Table I in Appendix F).

Item 4A and 4B Several compounds failed the precision criteria in the volatile and semivolatile continuing calibrations. (See Table I in Appendix F.)

Item 5A 5B and 5C The maximum concentrations of all compounds found in the analyses of field blanks are listed below:

COMPOUND	CONCENTRATION
methylene chloride*	22 µg/L
acetone*	15 µg/L
butylbenzylphthalate*	120 J µg/Kg
bis(2-ethylhexyl)phthalate*	2 J µg/L
methoxychlor	0.59 J µg/Kg

* Common Laboratory Contaminant

Item 6A and 6B The maximum concentrations of all compounds found in the analyses of laboratory method blanks are listed below:

COMPOUND	CONCENTRATION
methylene chloride*	30 µg/L
acetone*	31 µg/L
phenol	3 J µg/Kg
diethylphthalate*	1 J µg/Kg

* Common Laboratory Contaminant

Item 7B and 7C The semivolatile analysis of sample CKY32 had the recovery for the acid surrogate, 2,4,6-tribromophenol less than 10%. Samples CKY32MS,CKY32MSD and CKY34 had one (1) of their surrogate recoveries outside the QC limits. In the pesticide/PCB analyses, samples CKY30, CKY32 and CKY36 had their surrogate recoveries below the QC limits but greater than 10% for

ORIGINAL (Red)

ORGANIC REGIONAL DATA ASSESSMENT SUMMARY NOTES
CASE: 18347 SDG: CKY28 SOIL SAMPLES

tetrachloro-m-xylene (TCX) on one column. (See FORM II SV-2 and FORM II PEST-1 in Appendix F.)

Item 8B The matrix spike duplicate recovery for sample CKY32 was above the QC limit for 4-nitrophenol in the semivolatile analyses. (See Form III SV-2 in Appendix F.)

ORIGINAL
(Red)

Appendix F

Support Documentation

ENVIRONMENTAL PROTECTION AGENCY REGION III
CALIBRATION OUTLIERS
VOLATILE HSL COMPOUNDS

ORIGINAL (Red)

CASE/~~SAS No.~~ 18347 CONTRACTOR ESAT

Instrument# F50054	Init. Cal.			Cont. Cal.			Cont. Cal.			Cont. Cal.			Cont. Cal.		
DATE/TIME:	[illegible]			06/24/92			06/25/92			06/26/92					
	RF	%RSD	*	RF	%D	*	RF	%D	*	RF	%D	*	RF	%D	*
Chloromethane					32.4 C										
Bromomethane															
Vinyl Chloride															
Chloroethane															
Methylene Chloride		44.0 T+									28.1 C				
Acetone		32.7 T+						49.5 C+			29.5 C				
Carbon Disulfide															
1,1-Dichloroethene															
1,1-Dichloroethane															
Total-1,2-Dichloroethene															
Chloroform															
1,2-Dichloroethane															
2-Butanone															
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								37.0 C							
Tetrachloroethene															
1,1,2,2-Tetrachloroethane															
Toluene															
Chlorobenzene															
Ethylbenzene															
Styrene															
Total Xylenes															

AFFECTED SAMPLES:

all samples on	CKY28	CKY32	CKY32MS
H. page	CKY29	CKY32MSN	
10	CKY30	CKY33	
	CKY31	CKY36	
	CKY34	CKY38	
	CKY35		
	CKY37		

Reviewer Initials/Date: HP, 9/10/92

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

TABLE I

ORIGINAL (Red)

ENVIRONMENTAL PROTECTION AGENCY REGION III
CALIBRATION OUTLIERS
VOLATILE HSL COMPOUNDS

CASE/~~SAS No.~~ 18347 CONTRACTOR ESAT

Instrument# [illegible]	Init. Cal.			Cont. Cal.			Cont. Cal.			Cont. Cal.			Cont. Cal.		
DATE/TIME:	[illegible]			[illegible]											
	RF	%RSD	*	RF	%D	*	RF	%D	*	RF	%D	*	RF	%D	*
Chloromethane					[illegible]										
Bromomethane															
Vinyl Chloride															
Chloroethane															
Methylene Chloride		45.4	I+		22.1	C+									
Acetone															
Carbon Disulfide															
1,1-Dichloroethene															
1,1-Dichloroethane															
Total-1,2-Dichloroethene															
Chloroform															
1,2-Dichloroethane															
2-Butanone															
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					[illegible]	C									
2-Hexanone															
Tetrachloroethene															
1,1,2,2-Tetrachloroethane															
Toluene															
Chlorobenzene															
Ethylbenzene															
Styrene															
Total Xylenes															

AFFECTED SAMPLES:

all Samples	CKY16
on this page	CKY16

Reviewer Initials/Date: Hp/9/2/92

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

TABLE I

ORIGINAL (Red)

ENVIRONMENTAL PROTECTION AGENCY REGION III
CALIBRATION OUTLIERS
VOLATILE HSL COMPOUNDS

CASE/~~SAS No.~~ 18347 CONTRACTOR ESAT

Instrument# [illegible]	Init. Cal.			Cont. Cal.			Cont. Cal.			Cont. Cal.			Cont. Cal.		
DATE/TIME:	[illegible]			[illegible]			[illegible]								
	RF	%RSD	*	RF	%D	*	RF	%D	*	RF	%D	*	RF	%D	*
Chloromethane								132.1 C							
Bromomethane															
Vinyl Chloride															
Chloroethane															
Methylene Chloride															
Acetone		44.4 T+			48.8 C+			25.2 C+							
Carbon Disulfide															
1,1-Dichloroethene															
1,1-Dichloroethane															
Total-1,2-Dichloroethene															
Chloroform															
1,2-Dichloroethane															
2-Butanone					39.6 C										
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															
Tetrachloroethene															
1,1,2,2-Tetrachloroethane															
Toluene															
Chlorobenzene															
Ethylbenzene															
Styrene															
Total Xylenes															

AFFECTED SAMPLES:

all samples	CKY14	CKY18
on this page	CKY17	CKY26
	CKY18MS	
	CKY18MSD	
	CKY19	
	CKY20	
	CKY22	
	CKY23	
	CKY24	
	CKY25	

Reviewer Initials/Date: HP/9/2/92

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

ORIGINAL (Red)

TABLE I

ENVIRONMENTAL PROTECTION AGENCY REGION III
CALIBRATION OUTLIERS
SEMIVOLATILE HSL COMPOUNDS (Part 1 of 2)

CASE/~~SAS No.~~ 15347 CONTRACTOR ESAT

Instrument: E5067	Init. Cal.			Cont. Cal.			Cont. Cal.			Cont. Cal.			Cont. Cal.		
DATE/TIME:	05/24/92			07/20/92			07/09/92								
	RF	%RSD	*	RF	%D	*	RF	%D	*	RF	%D	*	RF	%D	*
Phenol															
bis(2-Chloroethyl)ether															
2-Chlorophenol															
1,3-Dichlorobenzene															
1,4-Dichlorobenzene															
Benzyl alcohol															
1,2-Dichlorobenzene															
2-Methylphenol															
bis(2-Chloroisopropyl)ether															
4-Methylphenol															
N-Nitroso-di-n-propylamine															
Hexachloroethane															
Nitrobenzene															
Isophorone															
2-Nitrophenol															
2,4-Dimethylphenol															
Benzoic acid															
bis(2-Chloroethoxy)methane															
2,4-Dichlorophenol															
1,2,4-Trichlorobenzene															
Naphthalene															
4-Chloroaniline															
Hexachlorobutadiene															
4-Chloro-3-Methylphenol															
2-Methylnaphthalene															
Hexachlorocyclopentadiene															
2,4,6-Trichlorophenol															
2,4,5-Trichlorophenol															
2-Chloronaphthalene															
2-Nitroaniline															
Dimethylphthalate															
Acenaphthylene															
2,6-Dinitrotoluene															
3-Nitroaniline															
Acenaphthene															
2,4-Dinitrophenol															
4-Nitrophenol															

AFFECTED SAMPLES:

all samples on this page	CK434	CK428
		CK431
		CK435
		CK436
		CK438

Reviewer Initials/Date: HP 9/10/92

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

ORIGINAL (Red)

TABLE I

ENVIRONMENTAL PROTECTION AGENCY REGION III
CALIBRATION OUTLIERS
SEMIVOLATILE HSL COMPOUNDS (Part 2 of 2)

CASE/~~SAS No.~~ 18347 CONTRACTOR ESAT

Instrument# F50057	Init. Cal.			Cont. Cal.			Cont. Cal.			Cont. Cal.			Cont. Cal.		
DATE/TIME:	09/04/92 1801-2342			09/05/92 2002			09/09/92 1032								
	RF	%RSD	*	RF	%D	*	RF	%D	*	RF	%D	*	RF	%D	*
Dibenzofuran															
2,4-Dinitrotoluene															
Diethylphthalate								-28.7 C							
4-Chlorophenyl-phenylether															
Fluorene															
4-Nitroaniline															
4,6-Dinitro-2-methylphenol															
N-Nitrosodiphenylamine															
4-Bromophenyl-phenylether															
Hexachlorobenzene															
Pentachlorophenol															
Phenanthrene															
Anthracene															
Di-n-butylphthalate															
Fluoranthene					-26.5 C										
Pyrene															
Butylbenzylphthalate															
3,3-Dichlorobenzidine					-35.5 C			-60.0 C							
Benzo(a)anthracene															
Chrysene															
bis(2-Ethylhexyl)phthalate															
Di-n-octylphthalate															
Benzo(b)fluoranthene															
Benzo(k)fluoranthene															
Benzo(a)pyrene															
Indeno(1,2,3-cd)pyrene															
Dibenz(a,h)anthracene															
Benzo(g,h,i)perylene															
Carbazole															

AFFECTED SAMPLES: all samples on this page; CKV34; CKY28, CKY31, CKY35, CKY36, CKY38

Reviewer Initials/Date: HP 9/10/92

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

ORIGINAL

TABLE I

ENVIRONMENTAL PROTECTION AGENCY REGION III
CALIBRATION OUTLIERS
SEMIVOLATILE HSL COMPOUNDS (Part 1 of 2)

CASE/~~SAS No.~~ 18347 CONTRACTOR ESAT

Instrument: OWA15	Init. Cal.			Cont. Cal.			Cont. Cal.			Cont. Cal.			Cont. Cal.		
DATE/TIME:	9/9/92 19:24-23:54			9/10/92 12:18											
	RF	%RSD	*	RF	%D	*	RF	%D	*	RF	%D	*	RF	%D	*
Phenol															
Bis(2-Chloroethyl)ether															
2-Chlorophenol															
1,3-Dichlorobenzene															
1,4-Dichlorobenzene															
Benzyl alcohol															
1,2-Dichlorobenzene															
2-Methylphenol															
Bis(2-Chloroisopropyl)ether					-80.2	C									
4-Methylphenol															
N-Nitroso-di-n-propylamine															
Hexachloroethane															
Nitrobenzene															
Isophorone															
2-Nitrophenol															
2,4-Dimethylphenol															
Benzoic acid															
Bis(2-Chloroethoxy)methane															
2,4-Dichlorophenol															
1,2,4-Trichlorobenzene															
Naphthalene															
4-Chloroaniline	37.1	I													
Hexachlorobutadiene															
4-Chloro-3-Methylphenol															
2-Methylnaphthalene															
Hexachlorocyclopentadiene															
2,4,6-Trichlorophenol															
2,4,5-Trichlorophenol															
2-Chloronaphthalene															
2-Nitroaniline					-28.2	C									
Dimethylphthalate															
Acenaphthylene															
2,6-Dinitrotoluene															
3-Nitroaniline					-37.8	C									
Acenaphthene															
2,4-Dinitrophenol					-43.2	C									
4-Nitrophenol					51.2	C									

AFFECTED SAMPLES:

all sample on this page

CK430
CK432
CK432MS
CK432MSD
CK433
CK437

Reviewer Initials/Date: HP 9/10/92

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

ORIGINAL (Red)

TABLE I

ENVIRONMENTAL PROTECTION AGENCY REGION III
CALIBRATION OUTLIERS
SEMIVOLATILE HSL COMPOUNDS (Part 2 of 2)

CASE/~~SAS No.~~ 18342 CONTRACTOR ESAT

Instrument# CWA15	Init. Cal.			Cont. Cal.			Cont. Cal.			Cont. Cal.			Cont. Cal.		
DATE/TIME:	12/11/92			07/01/92											
	RF	%RSD	*	RF	%D	*	RF	%D	*	RF	%D	*	RF	%D	*
Dibenzofuran															
2,4-Dinitrotoluene															
Diethylphthalate															
4-Chlorophenyl-phenylether															
Fluorene															
4-Nitroaniline					-54.5 C										
4,6-Dinitro-2-methylphenol															
N-Nitrosodiphenylamine					38.9 C										
4-Bromophenyl-phenylether															
Hexachlorobenzene															
Pentachlorophenol															
Phenanthrene															
Anthracene															
Di-n-butylphthalate															
Fluoranthene															
Pyrene															
Butylbenzylphthalate															
3,3-Dichlorobenzidine															
Benzo(a)anthracene															
Chrysene															
bis(2-Ethylhexyl)phthalate															
Di-n-octylphthalate															
Benzo(b)fluoranthene															
Benzo(k)fluoranthene															
Benzo(a)pyrene															
Indeno(1,2,3-cd)pyrene															
Dibenz(a,h)anthracene															
Benzo(g,h,i)perylene															
Carbazole															

AFFECTED SAMPLES:

all sample on this page

CKY30
CKY32
CKY32MS
CKY32MSD
CKY33
CKY37

Reviewer Initials/Date: HP 9/10/92

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

ORIGINAL (Red)

TABLE I

ENVIRONMENTAL PROTECTION AGENCY REGION III
CALIBRATION OUTLIERS
SEMIVOLATILE HSL COMPOUNDS (Part 1 of 2)

CASE/~~SAS No.~~ 18347 CONTRACTOR ESAT

Instrument# OWA05	Init. Cal.			Cont. Cal.			Cont. Cal.			Cont. Cal.			Cont. Cal.		
DATE/TIME:	06/11/92 [illegible]			07/14/92 [illegible]											
	RF	%RSD	*	RF	%D	*	RF	%D	*	RF	%D	*	RF	%D	*
Phenol															
bis(2-Chloroethyl)ether															
2-Chlorophenol															
1,3-Dichlorobenzene															
1,4-Dichlorobenzene															
Benzyl alcohol															
1,2-Dichlorobenzene															
2-Methylphenol															
bis(2-Chloroisopropyl)ether					39.8	C									
4-Methylphenol															
N-Nitroso-di-n-propylamine															
Hexachloroethane															
Nitrobenzene															
Isophorone															
2-Nitrophenol															
2,4-Dimethylphenol					25.2	C									
Benzoic acid															
bis(2-Chloroethoxy)methane															
2,4-Dichlorophenol															
1,2,4-Trichlorobenzene															
Naphthalene															
4-Chloroaniline															
Hexachlorobutadiene															
4-Chloro-3-Methylphenol															
2-Methylnaphthalene															
Hexachlorocyclopentadiene					33.6	C									
2,4,6-Trichlorophenol															
2,4,5-Trichlorophenol															
2-Chloronaphthalene															
2-Nitroaniline															
Dimethylphthalate															
Acenaphthylene															
2,6-Dinitrotoluene															
3-Nitroaniline															
Acenaphthene															
2,4-Dinitrophenol					31.1	C									
4-Nitrophenol					62.2	C									

AFFECTED SAMPLES: all sample on this page CK429

Reviewer Initials/Date: HP, 9/10/92

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

ORIGINAL (Red)

TABLE I

ENVIRONMENTAL PROTECTION AGENCY REGION III
CALIBRATION OUTLIERS
SEMIVOLATILE HSL COMPOUNDS (Part 1 of 2)

CASE/~~SAS No.~~ 18342 CONTRACTOR ESAT

Instrument# OWAD7	Init. Cal.			Cont. Cal.			Cont. Cal.			Cont. Cal.			Cont. Cal.		
DATE/TIME:	06/15/92 1824-2119			06/29/92 1452											
	RF	%RSD	*	RF	%D	*	RF	%D	*	RF	%D	*	RF	%D	*
Phenol															
bis(2-Chloroethyl)ether															
2-Chlorophenol															
1,3-Dichlorobenzene															
1,4-Dichlorobenzene															
Benzyl alcohol															
1,2-Dichlorobenzene															
2-Methylphenol															
bis(2-Chloroisopropyl)ether															
4-Methylphenol															
N-Nitroso-di-n-propylamine															
Hexachloroethane															
Nitrobenzene															
Isophorone															
2-Nitrophenol															
2,4-Dimethylphenol															
Benzoic acid															
bis(2-Chloroethoxy)methane															
2,4-Dichlorophenol															
1,2,4-Trichlorobenzene															
Naphthalene															
4-Chloroaniline		33.9	T		-44.2	C									
Hexachlorobutadiene															
4-Chloro-3-Methylphenol															
2-Methylnaphthalene															
Hexachlorocyclopentadiene															
2,4,6-Trichlorophenol															
2,4,5-Trichlorophenol															
2-Chloronaphthalene															
2-Nitroaniline															
Dimethylphthalate															
Acenaphthylene															
2,6-Dinitrotoluene															
3-Nitroaniline	0.0044	89.7	C F		-352.3	C									
Acenaphthene															
2,4-Dinitrophenol															
4-Nitrophenol															

AFFECTED SAMPLES:

all samples on this page

CKY24
CKY25
CKY26

Reviewer Initials/Date: HP 9/9/92

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

ORIGINAL (Red)

TABLE I

ENVIRONMENTAL PROTECTION AGENCY REGION III
CALIBRATION OUTLIERS
SEMIVOLATILE HSL COMPOUNDS (Part 2 of 2)

CASE/~~SAS No.~~ 18347 CONTRACTOR ESAT

Instrument# OWA05	Init. Cal.			Cont. Cal.			Cont. Cal.			Cont. Cal.			Cont. Cal.		
DATE/TIME:	8/11/92			8/14/92											
	RF	%RSD	*	RF	%D	*	RF	%D	*	RF	%D	*	RF	%D	*
Dibenzofuran															
2,4-Dinitrotoluene															
Diethylphthalate															
4-Chlorophenyl-phenylether															
Fluorene															
4-Nitroaniline															
4,6-Dinitro-2-methylphenol					32.6	C									
N-Nitrosodiphenylamine															
4-Bromophenyl-phenylether															
Hexachlorobenzene															
Pentachlorophenol															
Phenanthrene															
Anthracene															
Di-n-butylphthalate															
Fluoranthene															
Pyrene															
Butylbenzylphthalate															
3,3-Dichlorobenzidine					46.7	C									
Benzo(a)anthracene															
Chrysene															
bis(2-Ethylhexyl)phthalate															
Di-n-octylphthalate															
Benzo(b)fluoranthene															
Benzo(k)fluoranthene															
Benzo(a)pyrene															
Indeno(1,2,3-cd)pyrene															
Dibenz(a,h)anthracene															
Benzo(g,h,i)perylene					35.4	C									
Carbazole															

AFFECTED SAMPLES: all samples CK429 thin pigs

Reviewer Initials/Date: HP 9/10/92

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

ORIGINAL (Red)

TABLE I

ENVIRONMENTAL PROTECTION AGENCY REGION III
CALIBRATION OUTLIERS
SEMIVOLATILE HSL COMPOUNDS (Part 2 of 2)

CASE/~~SAS No.~~ 18347 CONTRACTOR ESAT

Instrument# OWA07	Init. Cal.			Cont. Cal.			Cont. Cal.			Cont. Cal.			Cont. Cal.		
DATE/TIME:	06/15/92 1826-2119			06/29/92 1432											
	RF	%RSD	*	RF	%D	*	RF	%D	*	RF	%D	*	RF	%D	*
Dibenzofuran															
2,4-Dinitrotoluene															
Diethylphthalate															
4-Chlorophenyl-phenylether															
Fluorene															
4-Nitroaniline		46.3	I		-46.1	C									
4,6-Dinitro-2-methylphenol															
N-Nitrosodiphenylamine															
4-Bromophenyl-phenylether															
Hexachlorobenzene															
Pentachlorophenol															
Phenanthrene															
Anthracene															
Di-n-butylphthalate															
Fluoranthene															
Pyrene															
Butylbenzylphthalate															
3,3-Dichlorobenzidine		79.9	I		-99.2	C									
Benzo(a)anthracene															
Chrysene															
bis(2-Ethylhexyl)phthalate															
Di-n-octylphthalate															
Benzo(b)fluoranthene															
Benzo(k)fluoranthene															
Benzo(a)pyrene															
Indeno(1,2,3-cd)pyrene															
Dibenz(a,h)anthracene															
Benzo(g,h,i)perylene															
Carbazole															

AFFECTED SAMPLES: all samples on this page

CKY24
CKY25
CKY26

Reviewer Initials/Date: HP, 9/9/92

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

TABLE I

ORIGINAL (Red)

ENVIRONMENTAL PROTECTION AGENCY REGION III
CALIBRATION OUTLIERS
SEMIVOLATILE HSL COMPOUNDS (Part 1 of 2)

CASE/~~SAS~~ No. 18347 CONTRACTOR ESAT

Instrument: MWA02	Init. Cal.			Cont. Cal.			Cont. Cal.			Cont. Cal.			Cont. Cal.		
DATE/TIME:	08/23/92			08/29/92											
	RF	%RSD	*	RF	%D	*	RF	%D	*	RF	%D	*	RF	%D	*
Phenol															
bis(2-Chloroethyl)ether															
2-Chlorophenol															
1,3-Dichlorobenzene															
1,4-Dichlorobenzene															
Benzyl alcohol															
1,2-Dichlorobenzene															
2-Methylphenol															
bis(2-Chloroisopropyl)ether															
4-Methylphenol															
N-Nitroso-di-n-propylamine															
Hexachloroethane															
Nitrobenzene															
Isophorone															
2-Nitrophenol															
2,4-Dimethylphenol															
Benzoic acid															
bis(2-Chloroethoxy)methane															
2,4-Dichlorophenol															
1,2,4-Trichlorobenzene															
Naphthalene															
4-Chloroaniline				N.R.A.											
Hexachlorobutadiene															
4-Chloro-3-Methylphenol															
2-Methylnaphthalene															
Hexachlorocyclopentadiene															
2,4,6-Trichlorophenol															
2,4,5-Trichlorophenol															
2-Chloronaphthalene															
2-Nitroaniline															
Dimethylphthalate															
Acenaphthylene															
2,6-Dinitrotoluene															
3-Nitroaniline															
Acenaphthene															
2,4-Dinitrophenol															
4-Nitrophenol				-25.9 P											

AFFECTED SAMPLES:

All samples on this page

CKV10
CKV20
CKV18MS
CKV18MSD
CKV22
CKV23
CKV15
CKV16
CKV12
CKV18
CKV19

Reviewer Initials/Date: HP 9/9/92

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

ORIGINAL (Red)

TABLE I

ENVIRONMENTAL PROTECTION AGENCY REGION III
CALIBRATION OUTLIERS
SEMIVOLATILE HSL COMPOUNDS (Part 2 of 2)

CASE/~~SAS No.~~ 18347 CONTRACTOR ESAT

Instrument: DFA02	Init. Cal.			Cont. Cal.			Cont. Cal.			Cont. Cal.			Cont. Cal.		
DATE/TIME:	10/25/92			10/28/92											
	RF	%RSD	*	RF	%D	*	RF	%D	*	RF	%D	*	RF	%D	*
Dibenzofuran															
2,4-Dinitrotoluene															
Diethylphthalate															
4-Chlorophenyl-phenylether															
Fluorene															
4-Nitroaniline															
4,6-Dinitro-2-methylphenol															
N-Nitrosodiphenylamine					43.2 C										
4-Bromophenyl-phenylether															
Hexachlorobenzene															
Pentachlorophenol															
Phenanthrene															
Anthracene															
Di-n-butylphthalate															
Fluoranthene															
Pyrene															
Butylbenzylphthalate					25.9 C										
3,3-Dichlorobenzidine					32.2 C										
Benzo(a)anthracene															
Chrysene															
bis(2-Ethylhexyl)phthalate															
Di-n-octylphthalate															
Benzo(b)fluoranthene															
Benzo(k)fluoranthene															
Benzo(a)pyrene															
Indeno(1,2,3-cd)pyrene															
Dibenz(a,h)anthracene															
Benzo(g,h,i)perylene															
Carbazole															

AFFECTED SAMPLES: all samples on this page

CKY16
CKY20
CKY16MS
CKY16MSD
CKY22
CKY23
CKY15
CKY16
CKY17
CKY15
CKY19

Reviewer Initials/Date: HP 9/9/92

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

ORIGINAL (Red)

DEFINITION OF CODES USED IN TABLE I

I = %RSD exceeded 30% in the initial calibration, positive results are qualified "J". When the %RSD exceeded 50%, quantitation limits are qualified "UJ".

C = %D exceeded 25% in the continuing calibration, positive results are qualified "J". When the %D exceeded 50%, quantitation limits are qualified "UJ".

F = RF less than 0.05 in the calibration. All quantitation limits are qualified "R".

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

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

6A

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: COMPUCHEM,RTP Contract: 68D10083

ORIGINAL (Red)

Lab Code: COMPU Case No.: 18347 SAS No.: _____ SDG No.: CKY28

Instrument ID: F50054 Calibration Date(s): 06/09/92 06/10/92

Heated Purge: (Y/N): Y Calibration Times: 1803 0140

GC Column: DB-624 ID: 0.530(mm)

LAB FILE ID: RRF10 = GT920610C54 RRF20 = GS920610C54
RRF50= GU920609B54 RRF100= GT920609B54 RRF200= GZ920609B54

COMPOUND		RRF10	RRF20	RRF50	RRF100	RRF200	$\overline{RRF}$	% RSD
Chloromethane		1.381	1.037	0.997	0.891	0.986	1.058	17.8
Bromomethane	*	1.751	1.350	1.091	1.041	1.173	1.281	22.5*
Vinyl Chloride	*	1.572	1.361	1.172	1.117	1.150	1.274	15.0*
Chloroethane		0.967	0.869	0.714	0.655	0.719	0.785	16.4
Methylene Chloride		4.436	3.579	1.923	1.894	1.837	2.734	44.0
Acetone		0.843	0.874	0.577	0.498	0.406	0.640	32.7
Carbon Disulfide		4.978	4.699	3.983	3.999	3.822	4.296	11.9
1,1-Dichloroethene	*	1.645	1.657	1.439	1.509	1.395	1.529	7.8*
1,1-Dichloroethane	*	3.279	3.002	2.678	2.718	2.557	2.847	10.2*
1,2-Dichloroethene (total)		1.756	1.738	1.474	1.555	1.444	1.593	9.2
Chloroform	*	4.211	3.778	3.394	3.527	3.373	3.657	9.6*
1,2-Dichloroethane	*	2.411	2.294	1.953	2.017	1.969	2.129	9.8*
2-Butanone		0.429	0.491	0.464	0.521	0.425	0.466	8.8
1,1,1-Trichloroethane	*	0.750	0.692	0.658	0.652	0.659	0.682	6.0*
Carbon Tetrachloride	*	0.749	0.717	0.664	0.669	0.692	0.698	5.1*
Bromodichloromethane	*	0.828	0.801	0.750	0.758	0.776	0.783	4.1*
1,2-Dichloropropane		0.396	0.385	0.349	0.342	0.344	0.363	7.0
cis-1,3-Dichloropropene	*	0.533	0.551	0.528	0.542	0.558	0.542	2.3*
Trichloroethene	*	0.525	0.500	0.446	0.439	0.437	0.469	8.6*
Dibromochloromethane	*	0.697	0.668	0.650	0.658	0.660	0.667	2.7*
1,1,2-Trichloroethane	*	0.388	0.375	0.355	0.350	0.342	0.362	5.2*
Benzene	*	1.039	0.962	0.885	0.847	0.838	0.914	9.3*
Trans-1,3-Dichloropropene	*	0.316	0.344	0.355	0.380	0.398	0.359	8.9*
Bromoform	*	0.549	0.545	0.545	0.554	0.543	0.547	0.8*
4-Methyl-2-Pentanone		0.386	0.435	0.428	0.428	0.399	0.415	5.2
2-Hexanone		0.260	0.290	0.286	0.297	0.271	0.281	5.3
Tetrachloroethene	*	0.623	0.589	0.540	0.519	0.499	0.554	9.2*
1,1,2,2-Tetrachloroethane	*	0.818	0.798	0.774	0.751	0.715	0.771	5.2*
Toluene	*	1.523	1.388	1.269	1.222	1.206	1.322	10.1*
Chlorobenzene	*	1.187	1.123	1.024	0.994	0.978	1.061	8.5*
Ethylbenzene	*	0.527	0.492	0.460	0.453	0.445	0.475	7.1*
Styrene	*	1.033	0.958	0.911	0.902	0.892	0.939	6.2*
Xylene (total)	*	0.649	0.614	0.575	0.563	0.556	0.591	6.6*
Toluene-d8		1.271	1.137	1.107	1.061	1.049	1.125	7.9
Bromofluorobenzene	*	1.133	1.001	1.016	0.974	0.970	1.019	6.5*
1,2-Dichloroethane-d4		2.194	1.916	1.830	1.894	1.857	1.938	7.6

* Compounds with required minimum RRF and maximum %RSD values.
All other compounds must meet a minimum RRF of 0.010.

FORM VI VOA 3/90

7A
VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: COMPUCHEM,RTP Contract: 68D10083

Lab Code: COMPU Case No.: 18347 SAS No.: _____ SDG No.: CKY28

ORIGINAL

Instrument ID: F50054 Calibration date: 06/24/92 Time: 1346

Lab File ID: GS920624A54 Init. Calib. Date(s): 06/09/92 06/10/92

Heated Purge: (Y/N) Y Init. Calib. Times: 1803 0140

GC Column: DB-624 ID: 0.530(mm)

COMPOUND	$\overline{RRF}$	RRF50	MIN RRF	%D	MAX %D
Chloromethane	1.058	0.715		32.4	
Bromomethane	1.281	1.417	0.100	-10.6	25.0
Vinyl Chloride	1.274	1.074	0.100	15.7	25.0
Chloroethane	0.785	0.861		-9.7	
Methylene Chloride	2.734	2.344		14.3	
Acetone	0.640	0.609		4.8	
Carbon Disulfide	4.296	3.786		11.9	
1,1-Dichloroethene	1.529	1.574	0.100	-2.9	25.0
1,1-Dichloroethane	2.847	2.700	0.200	5.2	25.0
1,2-Dichloroethene (total)	1.593	1.575		1.1	
Chloroform	3.657	3.826	0.200	-4.6	25.0
1,2-Dichloroethane	2.129	2.355	0.100	-10.6	25.0
2-Butanone	0.466	0.431		7.5	
1,1,1-Trichloroethane	0.682	0.696	0.100	-2.1	25.0
Carbon Tetrachloride	0.698	0.762	0.100	-9.2	25.0
Bromodichloromethane	0.783	0.805	0.200	-2.8	25.0
1,2-Dichloropropane	0.363	0.343		5.5	
cis-1,3-Dichloropropene	0.542	0.481	0.200	11.2	25.0
Trichloroethene	0.469	0.465	0.300	0.9	25.0
Dibromochloromethane	0.667	0.719	0.100	-7.8	25.0
1,1,2-Trichloroethane	0.362	0.381	0.100	-5.2	25.0
Benzene	0.914	0.888	0.500	2.8	25.0
Trans-1,3-Dichloropropene	0.359	0.314	0.100	12.5	25.0
Bromoform	0.547	0.604	0.100	-10.4	25.0
4-Methyl-2-Pentanone	0.415	0.333		19.8	
2-Hexanone	0.281	0.211		24.9	
Tetrachloroethene	0.554	0.571	0.200	-3.1	25.0
1,1,2,2-Tetrachloroethane	0.771	0.755	0.500	2.1	25.0
Toluene	1.322	1.272	0.400	3.8	25.0
Chlorobenzene	1.061	1.006	0.500	5.2	25.0
Ethylbenzene	0.475	0.468	0.100	1.5	25.0
Styrene	0.939	0.882	0.300	6.1	25.0
Xylene (total)	0.591	0.589	0.300	0.3	25.0
Toluene-d8	1.125	1.098		2.4	
Bromofluorobenzene	1.019	1.002	0.200	1.7	25.0
1,2-Dichloroethane-d4	1.938	2.184		-12.7	

Samples
CKY28
CKY29
CKY30
CKY31
CKY34
CKY35
CKY37

All other compounds must meet a minimum RRF of 0.010.

FORM VII VOA 3/90

7A

VOLATILE CONTINUING CALIBRATION CHECK

ORIGINAL (Red)

Lab Name: COMPUCHEM,RTP Contract: 68D10083

Lab Code: COMPU Case No.: 18347 SAS No.: _____ SDG No.: CKY28

Instrument ID: F50054 Calibration date: 06/25/92 Time: 0507

Lab File ID: GS920625C54 Init. Calib. Date(s): 06/09/92 06/10/92

Heated Purge: (Y/N) Y Init. Calib. Times: 1803 0140

GC Column: DB-624 ID: 0.530(mm)

COMPOUND	$\overline{RRF}$	RRF50	MIN RRF	%D	MAX %D
Chloromethane	1.058	1.166		-10.2	
Bromomethane	1.281	1.496	0.100	-16.8	25.0
Vinyl Chloride	1.274	1.348	0.100	-5.8	25.0
Chloroethane	0.785	0.830		-5.7	
Methylene Chloride	2.734	2.219		18.8	
Acetone	0.640	0.323		49.5	
Carbon Disulfide	4.296	4.311		-0.3	
1,1-Dichloroethene	1.529	1.554	0.100	-1.6	25.0
1,1-Dichloroethane	2.847	2.803	0.200	1.5	25.0
1,2-Dichloroethene (total)	1.593	1.579		0.9	
Chloroform	3.657	3.828	0.200	-4.7	25.0
1,2-Dichloroethane	2.129	2.267	0.100	-6.5	25.0
2-Butanone	0.466	0.402		13.7	
1,1,1-Trichloroethane	0.682	0.700	0.100	-2.6	25.0
Carbon Tetrachloride	0.698	0.780	0.100	-11.8	25.0
Bromodichloromethane	0.783	0.822	0.200	-5.0	25.0
1,2-Dichloropropane	0.363	0.347		4.4	
cis-1,3-Dichloropropene	0.542	0.482	0.200	11.1	25.0
Trichloroethene	0.469	0.480	0.300	-2.3	25.0
Dibromochloromethane	0.667	0.706	0.100	-5.8	25.0
1,1,2-Trichloroethane	0.362	0.350	0.100	3.3	25.0
Benzene	0.914	0.884	0.500	3.3	25.0
Trans-1,3-Dichloropropene	0.359	0.315	0.100	12.3	25.0
Bromoform	0.547	0.574	0.100	-4.9	25.0
4-Methyl-2-Pentanone	0.415	0.323		22.2	
2-Hexanone	0.281	0.177		37.0	
Tetrachloroethene	0.554	0.572	0.200	-3.2	25.0
1,1,2,2-Tetrachloroethane	0.771	0.655	0.500	15.0	25.0
Toluene	1.322	1.267	0.400	4.2	25.0
Chlorobenzene	1.061	1.022	0.500	3.7	25.0
Ethylbenzene	0.475	0.461	0.100	2.9	25.0
Styrene	0.939	0.906	0.300	3.5	25.0
Xylene (total)	0.591	0.584	0.300	1.2	25.0
Toluene-d8	1.125	1.104		1.9	
Bromofluorobenzene	1.019	1.024	0.200	-0.5	25.0
1,2-Dichloroethane-d4	1.938	2.090		-7.8	

Samples
CKY32
CKY32M
CKY33
CKY36
CKY38

All other compounds must meet a minimum RRF of 0.010.

7A

VOLATILE CONTINUING CALIBRATION CHECK

ORIGINAL (Red)

Lab Name: COMPUCHEM, RTP Contract: 68D10083

Lab Code: COMPU Case No.: 18347 SAS No.: _____ SDG No.: CKY28

Instrument ID: F50054 Calibration date: 06/26/92 Time: 0840

Lab File ID: GS920626A54 Init. Calib. Date(s): 06/09/92 06/10/92

Heated Purge: (Y/N) Y Init. Calib. Times: 1803 0140

GC Column: DB-624 ID: 0.530 (mm)

Samples CKY32M

COMPOUND	$\overline{RRF}$	RRF50	MIN RRF	%D	MAX %D
Chloromethane	1.058	0.989		6.5	
Bromomethane	1.281	1.417	0.100	-10.6	25.0
Vinyl Chloride	1.274	1.236	0.100	3.0	25.0
Chloroethane	0.785	0.892		-13.6	
Methylene Chloride	2.734	1.966		28.1	
Acetone	0.640	0.451		29.5	
Carbon Disulfide	4.296	3.836		10.7	
1,1-Dichloroethene	1.529	1.586	0.100	-3.7	25.0
1,1-Dichloroethane	2.847	2.743	0.200	3.7	25.0
1,2-Dichloroethene (total)	1.593	1.548		2.8	
Chloroform	3.657	3.830	0.200	-4.7	25.0
1,2-Dichloroethane	2.129	2.333	0.100	-9.6	25.0
2-Butanone	0.466	0.398		14.6	
1,1,1-Trichloroethane	0.682	0.719	0.100	-5.4	25.0
Carbon Tetrachloride	0.698	0.776	0.100	-11.2	25.0
Bromodichloromethane	0.783	0.832	0.200	-6.3	25.0
1,2-Dichloropropane	0.363	0.355		2.2	
cis-1,3-Dichloropropene	0.542	0.514	0.200	5.2	25.0
Trichloroethene	0.469	0.476	0.300	-1.5	25.0
Dibromochloromethane	0.667	0.730	0.100	-9.4	25.0
1,1,2-Trichloroethane	0.362	0.370	0.100	-2.2	25.0
Benzene	0.914	0.898	0.500	1.8	25.0
Trans-1,3-Dichloropropene	0.359	0.339	0.100	5.6	25.0
Bromoform	0.547	0.616	0.100	-12.6	25.0
4-Methyl-2-Pentanone	0.415	0.383		7.7	
2-Hexanone	0.281	0.238		15.3	
Tetrachloroethene	0.554	0.578	0.200	-4.3	25.0
1,1,2,2-Tetrachloroethane	0.771	0.763	0.500	1.0	25.0
Toluene	1.322	1.310	0.400	0.9	25.0
Chlorobenzene	1.061	1.059	0.500	0.2	25.0
Ethylbenzene	0.475	0.474	0.100	0.2	25.0
Styrene	0.939	0.932	0.300	0.7	25.0
Xylene (total)	0.591	0.618	0.300	-4.6	25.0
Toluene-d8	1.125	1.144		-1.7	
Bromofluorobenzene	1.019	1.041	0.200	-2.2	25.0
1,2-Dichloroethane-d4	1.938	2.130		-9.9	

All other compounds must meet a minimum RRF of 0.010.

6A

VOLATILE ORGANICS INITIAL CALIBRATION DATA

ORIGINAL (Red)

Lab Name: COMPUCHEM,RTP Contract: 68D10083

Lab Code: COMPU Case No.: 18347 SAS No.: _____ SDG No.: CKY14

Instrument ID: F50056 Calibration Date(s): 06/22/92 06/23/92

Heated Purge: (Y/N): N Calibration Times: 1520 0056

GC Column: DB624 ID: 0.530(mm)

LAB FILE ID: RRF10 = CU920622B56 RRF20 = CA920622A56
RRF50= CT920622B56 RRF100= CY920622A56 RRF200= CX920622A56

COMPOUND		RRF10	RRF20	RRF50	RRF100	RRF200	$\overline{RRF}$	% RSD
Chloromethane		0.061	0.041	0.048	0.048	0.051	0.050	14.5
Bromomethane	*	1.063	1.079	1.006	0.964	0.913	1.005	6.9*
Vinyl Chloride	*	0.633	0.415	0.391	0.382	0.353	0.435	26.0*
Chloroethane		0.741	0.847	0.741	0.734	0.688	0.750	7.8
Methylene Chloride		2.875	3.490	1.514	1.477	1.292	2.130	46.4
Acetone		0.262	0.328	0.214	0.196	0.172	0.234	26.4
Carbon Disulfide		3.856	4.114	3.856	4.040	3.573	3.888	5.4
1,1-Dichloroethene	*	1.435	1.350	1.319	1.326	1.191	1.324	6.6*
1,1-Dichloroethane	*	2.833	3.054	2.839	2.981	2.791	2.910	3.7*
1,2-Dichloroethene (total)		1.470	1.598	1.480	1.523	1.397	1.494	4.9
Chloroform	*	2.733	2.980	2.811	2.847	2.709	2.816	3.8*
1,2-Dichloroethane	*	1.500	1.720	1.673	1.684	1.653	1.646	5.2*
2-Butanone		0.177	0.442	0.371	0.385	0.386	0.352	28.9
1,1,1-Trichloroethane	*	0.474	0.486	0.477	0.427	0.433	0.459	5.9*
Carbon Tetrachloride	*	0.441	0.439	0.452	0.411	0.417	0.432	4.0*
Bromodichloromethane	*	0.473	0.608	0.535	0.485	0.576	0.535	10.8*
1,2-Dichloropropane		0.377	0.461	0.420	0.388	0.430	0.415	8.1
cis-1,3-Dichloropropene	*	0.510	0.583	0.586	0.539	0.558	0.555	5.7*
Trichloroethene	*	0.480	0.457	0.453	0.423	0.410	0.445	6.3*
Dibromochloromethane	*	0.439	0.444	0.495	0.439	0.459	0.455	5.2*
1,1,2-Trichloroethane	*	0.333	0.342	0.359	0.299	0.313	0.329	7.2*
Benzene	*	1.022	1.156	1.019	0.926	0.929	1.010	9.3*
Trans-1,3-Dichloropropene	*	0.326	0.375	0.383	0.360	0.374	0.364	6.2*
Bromoform	*	0.322	0.319	0.378	0.327	0.350	0.339	7.3*
4-Methyl-2-Pentanone		0.149	0.204	0.192	0.197	0.196	0.188	11.7
2-Hexanone		0.149	0.204	0.192	0.197	0.196	0.188	11.7
Tetrachloroethene	*	0.539	0.515	0.508	0.484	0.437	0.497	7.8*
1,1,2,2-Tetrachloroethane	*	0.504	0.494	0.522	0.476	0.468	0.493	4.4*
Toluene	*	1.321	1.420	1.344	1.325	1.187	1.319	6.4*
Chlorobenzene	*	1.018	1.072	1.057	1.016	0.932	1.019	5.3*
Ethylbenzene	*	0.520	0.538	0.543	0.530	0.484	0.523	4.5*
Styrene	*	0.952	1.018	1.027	0.991	0.917	0.981	4.7*
Xylene (total)	*	0.629	0.662	0.657	0.638	0.581	0.633	5.1*
Toluene-d8		1.171	1.216	1.183	1.159	1.116	1.169	3.1
Bromofluorobenzene	*	0.789	0.827	0.809	0.803	0.813	0.808	1.7*
1,2-Dichloroethane-d4		1.431	1.632	1.608	1.629	1.718	1.604	6.6

* Compounds with required minimum RRF and maximum %RSD values.
All other compounds must meet a minimum RRF of 0.010.

FORM VI VOA 3/90

7A

VOLATILE CONTINUING CALIBRATION CHECK

ORIGINAL (Red)

Lab Name: COMPUCHEM, RTP Contract: 68D10083

Lab Code: COMPU Case No.: 18347 SAS No.: _____ SDG No.: CKY14

Instrument ID: F50056 Calibration date: 06/24/92 Time: 0648

Lab File ID: CS920624C56 Init. Calib. Date(s): 06/22/92 06/23/92

Heated Purge: (Y/N) N Init. Calib. Times: 1520 0056

GC Column: DB624 ID: 0.530 (mm)

COMPOUND	$\overline{RRF}$	RRF50	MIN RRF	%D	MAX %D	Sample
Chloromethane	0.050	0.076		-52.0		CKY16
Bromomethane	1.005	0.936	0.100	6.9	25.0	CKY15
Vinyl Chloride	0.435	0.411	0.100	5.5	25.0	
Chloroethane	0.750	0.645		14.0		
Methylene Chloride	2.130	1.531		28.1		
Acetone	0.234	0.229		2.1		
Carbon Disulfide	3.888	3.596		7.5		
1,1-Dichloroethene	1.324	1.282	0.100	3.2	25.0	
1,1-Dichloroethane	2.910	2.855	0.200	1.9	25.0	
1,2-Dichloroethene (total)	1.494	1.516		-1.5		
Chloroform	2.816	2.884	0.200	-2.4	25.0	
1,2-Dichloroethane	1.646	1.723	0.100	-4.7	25.0	
2-Butanone	0.352	0.354		-0.6		
1,1,1-Trichloroethane	0.459	0.452	0.100	1.5	25.0	
Carbon Tetrachloride	0.432	0.406	0.100	6.0	25.0	
Bromodichloromethane	0.535	0.498	0.200	6.9	25.0	
1,2-Dichloropropane	0.415	0.406		2.2		
cis-1,3-Dichloropropene	0.555	0.566	0.200	-2.0	25.0	
Trichloroethene	0.445	0.469	0.300	-5.4	25.0	
Dibromochloromethane	0.455	0.466	0.100	-2.4	25.0	
1,1,2-Trichloroethane	0.329	0.356	0.100	-8.2	25.0	
Benzene	1.010	0.983	0.500	2.7	25.0	
Trans-1,3-Dichloropropene	0.364	0.373	0.100	-2.5	25.0	
Bromoform	0.339	0.353	0.100	-4.1	25.0	
4-Methyl-2-Pentanone	0.188	0.329		-75.0		
2-Hexanone	0.188	0.180		4.3		
Tetrachloroethene	0.497	0.535	0.200	-7.6	25.0	
1,1,2,2-Tetrachloroethane	0.493	0.574	0.500	-16.4	25.0	
Toluene	1.319	1.402	0.400	-6.3	25.0	
Chlorobenzene	1.019	1.094	0.500	-7.4	25.0	
Ethylbenzene	0.523	0.558	0.100	-6.7	25.0	
Styrene	0.981	1.075	0.300	-9.6	25.0	
Xylene (total)	0.633	0.692	0.300	-9.3	25.0	
Toluene-d8	1.169	1.204		-3.0		
Bromofluorobenzene	0.808	0.834	0.200	-3.2	25.0	
1,2-Dichloroethane-d4	1.604	1.629		-1.6		

All other compounds must meet a minimum RRF of 0.010.

FORM VII VOA 3/90

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: COMPUCHEM RTP Contract: 68D10083

ORIGINAL (Red)

Lab Code: COMPU Case No.: 18347 SAS No.: _____ SDG No.: CKY14

Instrument ID: F50056 Calibration Date(s): 06/25/92 06/25/92

Heated Purge: (Y/N): N Calibration Times: 0021 0351

GC Column: DB624 ID: 0.530(mm)

LAB FILE ID: RRF10 = CU920625C56 RRF20 = CV920625C56
RRF50= CS920625C56 RRF100= CW920625C56 RRF200= CT920625C56

COMPOUND		RRF10	RRF20	RRF50	RRF100	RRF200	$\overline{RRF}$	% RSD
Chloromethane		0.232	0.164	0.172	0.144	0.161	0.175	19.2
Bromomethane	*	1.621	1.257	1.156	1.215	1.092	1.268	16.3*
Vinyl Chloride	*	1.138	0.857	0.790	0.847	0.837	0.894	15.5*
Chloroethane		1.117	0.917	0.829	0.828	0.785	0.895	14.9
Methylene Chloride		2.523	1.777	1.806	1.566	1.370	1.808	24.2
Acetone		0.819	0.413	0.258	0.221	0.214	0.385	66.4
Carbon Disulfide		4.747	3.885	4.302	4.099	3.769	4.160	9.3
1,1-Dichloroethene	*	1.711	1.384	1.578	1.383	1.250	1.461	12.5*
1,1-Dichloroethane	*	3.684	3.084	3.377	3.159	2.955	3.252	8.8*
1,2-Dichloroethene (total)		1.857	1.520	1.658	1.562	1.437	1.607	10.0
Chloroform	*	3.636	3.032	3.287	3.074	2.876	3.181	9.2*
1,2-Dichloroethane	*	2.015	1.690	1.894	1.778	1.684	1.812	7.8*
2-Butanone		0.565	0.331	0.377	0.394	0.380	0.409	22.0
1,1,1-Trichloroethane	*	0.618	0.525	0.548	0.518	0.487	0.539	9.1*
Carbon Tetrachloride	*	0.520	0.450	0.496	0.484	0.473	0.485	5.4*
Bromodichloromethane	*	0.651	0.563	0.595	0.601	0.590	0.600	5.3*
1,2-Dichloropropane		0.492	0.425	0.453	0.437	0.416	0.445	6.7
cis-1,3-Dichloropropene	*	0.670	0.613	0.651	0.596	0.623	0.631	4.7*
Trichloroethene	*	0.525	0.446	0.473	0.449	0.427	0.464	8.2*
Dibromochloromethane	*	0.450	0.406	0.484	0.467	0.454	0.452	6.4*
1,1,2-Trichloroethane	*	0.440	0.340	0.364	0.337	0.304	0.357	14.3*
Benzene	*	1.214	1.003	1.062	0.995	0.918	1.038	10.7*
Trans-1,3-Dichloropropene	*	0.426	0.369	0.422	0.401	0.380	0.400	6.3*
Bromoform	*	0.311	0.276	0.325	0.319	0.319	0.310	6.3*
4-Methyl-2-Pentanone		0.381	0.356	0.324	0.331	0.361	0.351	6.6
2-Hexanone		0.259	0.155	0.174	0.193	0.183	0.193	20.5
Tetrachloroethene	*	0.572	0.484	0.506	0.471	0.441	0.495	9.9*
1,1,2,2-Tetrachloroethane	*	0.582	0.494	0.538	0.495	0.478	0.517	8.2*
Toluene	*	1.593	1.171	1.434	1.313	1.126	1.327	14.4*
Chlorobenzene	*	1.189	1.012	1.075	1.005	0.925	1.041	9.4*
Ethylbenzene	*	0.593	0.523	0.557	0.523	0.479	0.535	8.0*
Styrene	*	1.149	0.970	1.039	0.974	0.907	1.008	9.1*
Xylene (total)	*	0.731	0.632	0.671	0.618	0.564	0.643	9.7*
Toluene-d8		1.457	1.100	1.218	1.143	1.052	1.194	13.3
Bromofluorobenzene	*	1.015	0.889	0.873	0.847	0.805	0.886	8.9*
1,2-Dichloroethane-d4		2.048	1.706	1.706	1.707	1.690	1.771	8.7

* Compounds with required minimum RRF and maximum %RSD values.
All other compounds must meet a minimum RRF of 0.010.

7A

VOLATILE CONTINUING CALIBRATION CHECK

ORIGINAL (Red)

Lab Name: COMPUCHEM,RTP Contract: 68D10083

Lab Code: COMPU Case No.: 18347 SAS No.: _____ SDG No.: CKY14

Instrument ID: F50056 Calibration date: 06/25/92 Time: 0912

Lab File ID: CT920625A56 Init. Calib. Date(s): 06/25/92 06/25/92

Heated Purge: (Y/N) N Init. Calib. Times: 0021 0351

GC Column: DB624 ID: 0.530 (mm)

COMPOUND	RRF	RRF50	MIN RRF	%D	MAX %D	Samples
Chloromethane	0.175	0.185		-5.7		CKY14
Bromomethane	1.268	1.140	0.100	10.1	25.0	CKY17
Vinyl Chloride	0.894	0.819	0.100	8.4	25.0	CKY19
Chloroethane	0.895	0.809		9.6		CKY20
Methylene Chloride	1.808	1.805		0.2		
Acetone	0.385	0.197		48.8		CKY22
Carbon Disulfide	4.160	4.164		-0.1		
1,1-Dichloroethene	1.461	1.500	0.100	-2.7	25.0	CKY23
1,1-Dichloroethane	3.252	3.264	0.200	-0.4	25.0	CKY24
1,2-Dichloroethene (total)	1.607	1.644		-2.3		CKY25
Chloroform	3.181	3.298	0.200	-3.7	25.0	CKY18MS
1,2-Dichloroethane	1.812	1.699	0.100	6.2	25.0	
2-Butanone	0.409	0.247		39.6		CKY18MSD
1,1,1-Trichloroethane	0.539	0.526	0.100	2.4	25.0	
Carbon Tetrachloride	0.485	0.483	0.100	0.4	25.0	
Bromodichloromethane	0.600	0.547	0.200	8.8	25.0	
1,2-Dichloropropane	0.445	0.421		5.4		
cis-1,3-Dichloropropene	0.631	0.583	0.200	7.6	25.0	
Trichloroethene	0.464	0.458	0.300	1.3	25.0	
Dibromochloromethane	0.452	0.454	0.100	-0.4	25.0	
1,1,2-Trichloroethane	0.357	0.327	0.100	8.4	25.0	
Benzene	1.038	1.079	0.500	-4.0	25.0	
Trans-1,3-Dichloropropene	0.400	0.369	0.100	7.8	25.0	
Bromoform	0.310	0.300	0.100	3.2	25.0	
4-Methyl-2-Pentanone	0.351	0.301		14.2		
2-Hexanone	0.193	0.154		20.2		
Tetrachloroethene	0.495	0.499	0.200	-0.8	25.0	
1,1,2,2-Tetrachloroethane	0.517	0.518	0.500	-0.2	25.0	
Toluene	1.327	1.411	0.400	-6.3	25.0	
Chlorobenzene	1.041	1.072	0.500	-3.0	25.0	
Ethylbenzene	0.535	0.553	0.100	-3.4	25.0	
Styrene	1.008	1.037	0.300	-2.9	25.0	
Xylene (total)	0.643	0.667	0.300	-3.7	25.0	
Toluene-d8	1.194	1.248		-4.5		
Bromofluorobenzene	0.886	0.887	0.200	-0.1	25.0	
1,2-Dichloroethane-d4	1.771	1.657		6.4		

All other compounds must meet a minimum RRF of 0.010.

7A
VOLATILE CONTINUING CALIBRATION CHECK

ORIGINAL (Red)

Lab Name: COMPUCHEM,RTP Contract: 68D10083

Lab Code: COMPU Case No.: 18347 SAS No.: _____ SDG No.: CKY14

Instrument ID: F50056 Calibration date: 06/25/92 Time: 2225

Lab File ID: CS920625B56 Init. Calib. Date(s): 06/25/92 06/25/92

Heated Purge: (Y/N) N Init. Calib. Times: 0021 0351

GC Column: DB624 ID: 0.530(mm)

Samples
CKY18
CKY26

COMPOUND	$\overline{RRF}$	RRF50	MIN RRF	%D	MAX %D
Chloromethane	0.175	0.240		-37.1	
Bromomethane	1.268	1.335	0.100	-5.3	25.0
Vinyl Chloride	0.894	1.053	0.100	-17.8	25.0
Chloroethane	0.895	0.874		2.3	
Methylene Chloride	1.808	1.871		-3.5	
Acetone	0.385	0.249		35.3	
Carbon Disulfide	4.160	4.367		-5.0	
1,1-Dichloroethene	1.461	1.572	0.100	-7.6	25.0
1,1-Dichloroethane	3.252	3.405	0.200	-4.7	25.0
1,2-Dichloroethene (total)	1.607	1.702		-5.9	
Chloroform	3.181	3.390	0.200	-6.6	25.0
1,2-Dichloroethane	1.812	1.898	0.100	-4.7	25.0
2-Butanone	0.409	0.360		12.0	
1,1,1-Trichloroethane	0.539	0.545	0.100	-1.1	25.0
Carbon Tetrachloride	0.485	0.490	0.100	-1.0	25.0
Bromodichloromethane	0.600	0.613	0.200	-2.2	25.0
1,2-Dichloropropane	0.445	0.466		-4.7	
cis-1,3-Dichloropropene	0.631	0.677	0.200	-7.3	25.0
Trichloroethene	0.464	0.477	0.300	-2.8	25.0
Dibromochloromethane	0.452	0.463	0.100	-2.4	25.0
1,1,2-Trichloroethane	0.357	0.363	0.100	-1.7	25.0
Benzene	1.038	1.095	0.500	-5.5	25.0
Trans-1,3-Dichloropropene	0.400	0.402	0.100	-0.5	25.0
Bromoform	0.310	0.294	0.100	5.2	25.0
4-Methyl-2-Pentanone	0.351	0.360		-2.6	
2-Hexanone	0.193	0.158		18.1	
Tetrachloroethene	0.495	0.496	0.200	-0.2	25.0
1,1,2,2-Tetrachloroethane	0.517	0.513	0.500	0.8	25.0
Toluene	1.327	1.234	0.400	7.0	25.0
Chlorobenzene	1.041	1.079	0.500	-3.6	25.0
Ethylbenzene	0.535	0.554	0.100	-3.6	25.0
Styrene	1.008	1.049	0.300	-4.1	25.0
Xylene (total)	0.643	0.663	0.300	-3.1	25.0
Toluene-d8	1.194	1.112		6.9	
Bromofluorobenzene	0.886	0.883	0.200	0.3	25.0
1,2-Dichloroethane-d4	1.771	1.787		-0.9	

All other compounds must meet a minimum RRF of 0.010.

6B

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

ORIGINAL (Red)

Lab Name: COMPUCHEM,RTP Contract: 68D10083

Lab Code: COMPU Case No.: 18347 SAS No.: _____ SDG No.: CKY28

Instrument ID: F50057 Calibration Date(s): 05/04/92 05/04/92

Calibration Times: 1831 2137

LAB FILE ID: RRF20 = HA920504B57 RRF50 = HB920504B57
RRF80 = HC920504B57 RRF120= HD920504B57 RRF160= HE920504B57

COMPOUND		RRF20	RRF50	RRF80	RRF120	RRF160	$\overline{RRF}$	% RSD
Phenol	*	1.899	1.961	1.821	1.800	1.766	1.849	4.3*
bis(2-Chloroethyl)Ether	*	1.680	1.684	1.570	1.543	1.479	1.591	5.6*
2-Chlorophenol	*	1.420	1.439	1.336	1.300	1.284	1.356	5.2*
1,3-Dichlorobenzene	*	1.531	1.493	1.372	1.323	1.236	1.391	8.7*
1,4-Dichlorobenzene	*	1.620	1.568	1.439	1.388	1.315	1.466	8.6*
1,2-Dichlorobenzene	*	1.480	1.458	1.354	1.312	1.284	1.378	6.3*
2-Methylphenol	*	1.299	1.386	1.340	1.305	1.273	1.321	3.3*
2,2'-Oxybis(1-Chloropropane		2.625	2.854	2.792	2.857	2.843	2.794	3.5
4-Methylphenol	*	1.322	1.422	1.323	1.325	1.308	1.340	3.5*
N-Nitroso-Di-n-Propylamine	*	1.489	1.553	1.482	1.518	1.518	1.512	1.9*
Hexachloroethane	*	0.740	0.765	0.714	0.707	0.699	0.725	3.7*
Nitrobenzene	*	0.500	0.494	0.473	0.457	0.449	0.475	4.7*
Isophorone	*	0.889	0.884	0.847	0.847	0.830	0.859	3.0*
2-Nitrophenol	*	0.163	0.184	0.176	0.176	0.172	0.174	4.4*
2,4-Dimethylphenol	*	0.339	0.311	0.319	0.319	0.311	0.320	3.6*
bis(2-Chloroethoxy)Methane	*	0.531	0.551	0.524	0.514	0.499	0.524	3.7*
2,4-Dichlorophenol	*	0.247	0.266	0.261	0.255	0.245	0.255	3.5*
1,2,4-Trichlorobenzene	*	0.301	0.295	0.289	0.268	0.254	0.281	7.0*
Naphthalene	*	1.044	0.994	0.921	0.873	0.822	0.931	9.6*
4-Chloroaniline		0.274	0.176	0.367	0.395	0.367	0.316	28.7
Hexachlorobutadiene		0.163	0.157	0.154	0.142	0.135	0.150	7.6
4-Chloro-3-Methylphenol	*	0.313	0.335	0.325	0.326	0.313	0.322	2.9*
2-Methylnaphthalene	*	0.628	0.629	0.594	0.550	0.519	0.584	8.3*
Hexachlorocyclopentadiene		0.348	0.353	0.359	0.346	0.321	0.345	4.2
2,4,6-Trichlorophenol	*	0.337	0.346	0.341	0.339	0.336	0.340	1.2*
2,4,5-Trichlorophenol	*	0.348	0.371	0.370	0.365	0.337	0.358	4.2*
2-Chloronaphthalene	*	1.104	1.120	1.076	1.016	0.965	1.056	6.1*
2-Nitroaniline		0.488	0.551	0.536	0.548	0.548	0.534	5.0
Dimethyl Phthalate		1.245	1.282	1.261	1.235	1.203	1.245	2.4
Acenaphthylene	*	1.779	1.774	1.716	1.621	1.545	1.687	6.0*
2,6-Dinitrotoluene	*	0.280	0.307	0.309	0.315	0.315	0.305	4.8*
3-Nitroaniline		0.207	0.260	0.264	0.299	0.308	0.268	14.9
Acenaphthene	*	1.102	1.104	1.047	0.981	0.913	1.029	8.0*
2,4-Dinitrophenol		0.107	0.163	0.166	0.172	0.165	0.155	17.3
4-Nitrophenol		0.128	0.167	0.162	0.167	0.162	0.157	10.5
Dibenzofuran	*	1.571	1.565	1.527	1.491	1.416	1.514	4.2*
2,4-Dinitrotoluene	*	0.365	0.408	0.411	0.419	0.407	0.402	5.3*

* Compounds with required minimum RRF and maximum %RSD values. ✓
All other compounds must meet a minimum RRF of 0.010.

6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: COMPUCHEM,RTP Contract: 68D10083

ORIGINAL (Red)

Lab Code: COMPU Case No.: 18347 SAS No.: _____ SDG No.: CKY28

Instrument ID: F50057 Calibration Date(s): 05/04/92 05/04/92

Calibration Times: 1831 2137

LAB FILE ID: RRF20 = HA920504B57 RRF50 = HB920504B57
RRF80 = HC920504B57 RRF120= HD920504B57 RRF160= HE920504B57

COMPOUND	RRF20	RRF50	RRF80	RRF120	RRF160	$\overline{RRF}$	% RSD
Diethylphthalate	1.292	1.387	1.348	1.333	1.279	1.328	3.3
4-Chlorophenyl-phenylether *	0.607	0.623	0.612	0.580	0.541	0.593	5.5*
Fluorene *	1.227	1.257	1.202	1.166	1.096	1.190	5.2*
4-Nitroaniline	0.190	0.236	0.237	0.282	0.302	0.249	17.6
4,6-Dinitro-2-Methylphenol	0.109	0.138	0.143	0.156	0.162	0.142	14.5
N-Nitrosodiphenylamine (1)	0.505	0.411	0.496	0.519	0.545	0.495	10.2
4-Bromophenyl-phenylether *	0.216	0.217	0.218	0.213	0.218	0.216	1.0*
Hexachlorobenzene *	0.261	0.248	0.241	0.232	0.236	0.244	4.7*
Pentachlorophenol *	0.111	0.134	0.135	0.135	0.133	0.130	8.0*
Phenanthrene *	1.031	1.045	1.013	0.960	0.921	0.994	5.2*
Anthracene *	0.970	0.953	0.959	0.908	0.876	0.933	4.3*
Carbazole	0.630	0.581	0.494	0.525	0.580	0.562	9.5
Di-n-Butylphthalate	1.298	1.450	1.377	1.339	1.259	1.345	5.5
Fluoranthene *	0.932	0.955	0.918	0.872	0.860	0.907	4.4*
Pyrene *	1.449	1.509	1.383	1.339	1.250	1.386	7.2*
Butylbenzylphthalate	0.704	0.809	0.758	0.779	0.779	0.766	5.1
3,3'-Dichlorobenzidine	0.165	0.134	0.167	0.178	0.179	0.165	11.0
Benzo(a)Anthracene *	1.042	1.089	1.046	1.020	1.016	1.043	2.8*
Chrysene *	0.986	0.960	0.883	0.897	0.826	0.910	7.0*
bis(2-Ethylhexyl)Phthalate	0.997	1.124	1.051	1.097	1.088	1.071	4.6
Di-n-Octyl Phthalate	1.788	1.949	1.812	1.854	1.925	1.866	3.7
Benzo(b)Fluoranthene *	1.059	1.100	1.036	1.073	1.123	1.078	3.2*
Benzo(k)Fluoranthene *	0.973	1.027	0.935	0.842	0.807	0.917	9.9*
Benzo(a)Pyrene *	0.897	0.928	0.928	0.952	0.942	0.929	2.2*
Indeno(1,2,3-cd)Pyrene *	0.785	0.828	0.799	0.796	0.802	0.802	2.0*
Dibenz(a,h)Anthracene *	0.792	0.703	0.688	0.683	0.661	0.705	7.2*
Benzo(g,h,i)Perylene *	0.862	0.737	0.727	0.678	0.669	0.735	10.5*
Nitrobenzene-d5 *	0.464	0.474	0.440	0.438	0.426	0.448	4.4*
2-Fluorobiphenyl *	1.268	1.211	1.149	1.080	1.012	1.144	8.9*
Terphenyl-d14 *	0.988	1.031	0.922	0.893	0.844	0.936	8.0*
Phenol-d5 *	1.792	1.804	1.710	1.654	1.604	1.713	5.0*
2-Fluorophenol *	1.270	1.292	1.169	1.172	1.122	1.205	6.0*
2,4,6-Tribromophenol	0.185	0.189	0.184	0.180	0.177	0.183	2.5
2-Chlorophenol-d4 *	1.340	1.400	1.283	1.250	1.196	1.294	6.1*
1,2-Dichlorobenzene-d4 *	0.886	0.865	0.811	0.770	0.735	0.813	7.8*

(1) Cannot be separated from Diphenylamine ✓

* Compounds with required minimum RRF and maximum %RSD values.
All other compounds must meet a minimum RRF of 0.010.

7B

SEMIVOLATILE CONTINUING CALIBRATION CHECK

ORIGINAL (Red)

Lab Name: COMPUCHEM,RTP Contract: 68D10083

Lab Code: COMPU Case No.: 18347 SAS No.: _____ SDG No.: CKY28

Instrument ID: F50057 Calibration date: 07/08/92 Time: 2010

Lab File ID: HG920708B57 Init. Calib. Date(s): 05/04/92 05/04/92

Init. Calib. Times: 1831 2137

Sample CK434

COMPOUND	$\overline{RRF}$	RRF50	MIN RRF	%D	MAX %D
Phenol	1.849	1.969	0.800	-6.5	25.0
bis(2-Chloroethyl)Ether	1.591	1.689	0.700	-6.2	25.0
2-Chlorophenol	1.356	1.454	0.800	-7.2	25.0
1,3-Dichlorobenzene	1.391	1.567	0.600	-12.6	25.0
1,4-Dichlorobenzene	1.466	1.594	0.500	-8.7	25.0
1,2-Dichlorobenzene	1.378	1.439	0.400	-4.4	25.0
2-Methylphenol	1.321	1.380	0.700	-4.5	25.0
2,2'-Oxybis(1-Chloropropane)	2.794	2.873		-2.8	
4-Methylphenol	1.340	1.447	0.600	-8.0	25.0
N-Nitroso-Di-n-Propylamine	1.512	1.491	0.500	1.4	25.0
Hexachloroethane	0.725	0.803	0.300	-10.8	25.0
Nitrobenzene	0.475	0.507	0.200	-6.7	25.0
Isophorone	0.859	0.928	0.400	-8.0	25.0
2-Nitrophenol	0.174	0.193	0.100	-10.9	25.0
2,4-Dimethylphenol	0.320	0.345	0.200	-7.8	25.0
bis(2-Chloroethoxy)Methane	0.524	0.515	0.300	1.7	25.0
2,4-Dichlorophenol	0.255	0.288	0.200	-12.9	25.0
1,2,4-Trichlorobenzene	0.281	0.299	0.200	-6.4	25.0
Naphthalene	0.931	1.016	0.700	-9.1	25.0
4-Chloroaniline	0.316	0.384		-21.5	
Hexachlorobutadiene	0.150	0.160		-6.7	
4-Chloro-3-Methylphenol	0.322	0.361	0.200	-12.1	25.0
2-Methylnaphthalene	0.584	0.659	0.400	-12.8	25.0
Hexachlorocyclopentadiene	0.345	0.367		-6.4	
2,4,6-Trichlorophenol	0.340	0.353	0.200	-3.8	25.0
2,4,5-Trichlorophenol	0.358	0.364	0.200	-1.7	25.0
2-Chloronaphthalene	1.056	1.169	0.800	-10.7	25.0
2-Nitroaniline	0.534	0.538		-0.7	
Dimethyl Phthalate	1.245	1.399		-12.4	
Acenaphthylene	1.687	1.831	1.300	-8.5	25.0
2,6-Dinitrotoluene	0.305	0.350	0.200	-14.8	25.0
3-Nitroaniline	0.268	0.302		-12.7	
Acenaphthene	1.029	1.064	0.800	-3.4	25.0
2,4-Dinitrophenol	0.155	0.165		-6.5	
4-Nitrophenol	0.157	0.180		-14.6	
Dibenzofuran	1.514	1.630	0.800	-7.7	25.0
2,4-Dinitrotoluene	0.402	0.439	0.200	-9.2	25.0

(1) Cannot be separated from Diphenylamine
All other compounds must meet a minimum RRF of 0.010.

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

ORIGINAL (Red)

Lab Name: COMPUCHEM,RTP Contract: 68D10083

Lab Code: COMPU Case No.: 18347 SAS No.: _____ SDG No.: CKY28

Instrument ID: F50057 Calibration date: 07/08/92 Time: 2010

Lab File ID: HG920708B57 Init. Calib. Date(s): 05/04/92 05/04/92

Init. Calib. Times: 1831 2137

COMPOUND	$\overline{RRF}$	RRF50	MIN RRF	%D	MAX %D
Diethylphthalate	1.328	1.486		-11.9	
4-Chlorophenyl-phenylether	0.593	0.647	0.400	-9.1	25.0
Fluorene	1.190	1.214	0.900	-2.0	25.0
4-Nitroaniline	0.249	0.252		-1.2	
4,6-Dinitro-2-Methylphenol	0.142	0.144		-1.4	
N-Nitrosodiphenylamine (1)	0.495	0.544		-9.9	
4-Bromophenyl-phenylether	0.216	0.239	0.100	-10.6	25.0
Hexachlorobenzene	0.244	0.251	0.100	-2.9	25.0
Pentachlorophenol	0.130	0.150	0.050	-15.4	25.0
Phenanthrene	0.994	1.059	0.700	-6.5	25.0
Anthracene	0.933	1.056	0.700	-13.2	25.0
Carbazole	0.562	0.670		-19.2	
Di-n-Butylphthalate	1.345	1.534		-14.0	
Fluoranthene	0.907	1.147	0.600	-26.5	25.0
Pyrene	1.386	1.483	0.600	-7.0	25.0
Butylbenzylphthalate	0.766	0.824		-7.6	
3,3'-Dichlorobenzidine	0.165	0.224		-35.8	
Benzo(a)Anthracene	1.043	1.150	0.800	-10.3	25.0
Chrysene	0.910	1.072	0.700	-17.8	25.0
bis(2-Ethylhexyl)Phthalate	1.071	1.110		-3.6	
Di-n-Octyl Phthalate	1.866	1.855		0.6	
Benzo(b)Fluoranthene	1.078	1.166	0.700	-8.2	25.0
Benzo(k)Fluoranthene	0.917	1.122	0.700	-22.4	25.0
Benzo(a)Pyrene	0.929	1.045	0.700	-12.5	25.0
Indeno(1,2,3-cd)Pyrene	0.802	0.684	0.500	14.7	25.0
Dibenz(a,h)Anthracene	0.705	0.634	0.400	10.1	25.0
Benzo(g,h,i)Perylene	0.735	0.697	0.500	5.2	25.0
Nitrobenzene-d5	0.448	0.560	0.200	-25.0	25.0
2-Fluorobiphenyl	1.144	1.209	0.700	-5.7	25.0
Terphenyl-d14	0.936	1.006	0.500	-7.5	25.0
Phenol-d5	1.713	1.953	0.800	-14.0	25.0
2-Fluorophenol	1.205	1.542	0.600	-28.0	25.0
2,4,6-Tribromophenol	0.183	0.197		-7.6	
2-Chlorophenol-d4	1.294	1.296	0.800	-0.2	25.0
1,2-Dichlorobenzene-d4	0.813	0.918	0.400	-12.9	25.0

(1) Cannot be separated from Diphenylamine
All other compounds must meet a minimum RRF of 0.010.

7B

SEMIVOLATILE CONTINUING CALIBRATION CHECK

ORIGINAL (Red)

Lab Name: COMPUCHEM,RTP Contract: 68D10083

Lab Code: COMPU Case No.: 18347 SAS No.: _____ SDG No.: CKY28

Instrument ID: F50057 Calibration date: 07/09/92 Time: 1030

Lab File ID: HG920709A57 Init. Calib. Date(s): 05/04/92 05/04/92

Init. Calib. Times: 1831 2137

COMPOUND	$\overline{RRF}$	RRF50	MIN RRF	%D	MAX %D	Sample
Phenol	1.849	2.010	0.800	-8.7	25.0	CKY28
bis(2-Chloroethyl)Ether	1.591	1.690	0.700	-6.2	25.0	CKY31
2-Chlorophenol	1.356	1.509	0.800	-11.3	25.0	CKY35
1,3-Dichlorobenzene	1.391	1.596	0.600	-14.7	25.0	CKY36
1,4-Dichlorobenzene	1.466	1.650	0.500	-12.6	25.0	CKY38
1,2-Dichlorobenzene	1.378	1.504	0.400	-9.1	25.0	
2-Methylphenol	1.321	1.371	0.700	-3.8	25.0	
2,2'-Oxybis(1-Chloropropane)	2.794	2.879		-3.0		
4-Methylphenol	1.340	1.424	0.600	-6.3	25.0	
N-Nitroso-Di-n-Propylamine	1.512	1.490	0.500	1.5	25.0	
Hexachloroethane	0.725	0.845	0.300	-16.6	25.0	
Nitrobenzene	0.475	0.552	0.200	-16.2	25.0	
Isophorone	0.859	0.956	0.400	-11.3	25.0	
2-Nitrophenol	0.174	0.197	0.100	-13.2	25.0	
2,4-Dimethylphenol	0.320	0.359	0.200	-12.2	25.0	
bis(2-Chloroethoxy)Methane	0.524	0.517	0.300	1.3	25.0	
2,4-Dichlorophenol	0.255	0.292	0.200	-14.5	25.0	
1,2,4-Trichlorobenzene	0.281	0.300	0.200	-6.8	25.0	
Naphthalene	0.931	1.032	0.700	-10.8	25.0	
4-Chloroaniline	0.316	0.367		-16.1		
Hexachlorobutadiene	0.150	0.162		-8.0		
4-Chloro-3-Methylphenol	0.322	0.368	0.200	-14.3	25.0	
2-Methylnaphthalene	0.584	0.676	0.400	-15.8	25.0	
Hexachlorocyclopentadiene	0.345	0.364		-5.5		
2,4,6-Trichlorophenol	0.340	0.352	0.200	-3.5	25.0	
2,4,5-Trichlorophenol	0.358	0.364	0.200	-1.7	25.0	
2-Chloronaphthalene	1.056	1.193	0.800	-13.0	25.0	
2-Nitroaniline	0.534	0.551		-3.2		
Dimethyl Phthalate	1.245	1.392		-11.8		
Acenaphthylene	1.687	1.864	1.300	-10.5	25.0	
2,6-Dinitrotoluene	0.305	0.342	0.200	-12.1	25.0	
3-Nitroaniline	0.268	0.282		-5.2		
Acenaphthene	1.029	1.113	0.800	-8.2	25.0	
2,4-Dinitrophenol	0.155	0.150		3.2		
4-Nitrophenol	0.157	0.185		-17.8		
Dibenzofuran	1.514	1.783	0.800	-17.8	25.0	
2,4-Dinitrotoluene	0.402	0.428	0.200	-6.5	25.0	

(1) Cannot be separated from Diphenylamine

All other compounds must meet a minimum RRF of 0.010.

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

ORIGINAL (Red)

Lab Name: COMPUCHEM,RTP Contract: 68D10083

Lab Code: COMPU Case No.: 18347 SAS No.: _____ SDG No.: CKY28

Instrument ID: F50057 Calibration date: 07/09/92 Time: 1030

Lab File ID: HG920709A57 Init. Calib. Date(s): 05/04/92 05/04/92

Init. Calib. Times: 1831 2137

COMPOUND	$\overline{RRF}$	RRF50	MIN RRF	%D	MAX %D
Diethylphthalate	1.328	1.709		-28.7	
4-Chlorophenyl-phenylether	0.593	0.692	0.400	-16.7	25.0
Fluorene	1.190	1.340	0.900	-12.6	25.0
4-Nitroaniline	0.249	0.271		-8.8	
4,6-Dinitro-2-Methylphenol	0.142	0.145		-2.1	
N-Nitrosodiphenylamine (1)	0.495	0.563		-13.7	
4-Bromophenyl-phenylether	0.216	0.238	0.100	-10.2	25.0
Hexachlorobenzene	0.244	0.258	0.100	-5.7	25.0
Pentachlorophenol	0.130	0.152	0.050	-16.9	25.0
Phenanthrene	0.994	1.076	0.700	-8.2	25.0
Anthracene	0.933	1.053	0.700	-12.9	25.0
Carbazole	0.562	0.658		-17.1	
Di-n-Butylphthalate	1.345	1.588		-18.1	
Fluoranthene	0.907	1.134	0.600	-25.0	25.0
Pyrene	1.386	1.423	0.600	-2.7	25.0
Butylbenzylphthalate	0.766	0.793		-3.5	
3,3'-Dichlorobenzidine	0.165	0.264		-60.0	
Benzo(a)Anthracene	1.043	1.120	0.800	-7.4	25.0
Chrysene	0.910	1.034	0.700	-13.6	25.0
bis(2-Ethylhexyl)Phthalate	1.071	1.006		6.1	
Di-n-Octyl Phthalate	1.866	1.457		21.9	
Benzo(b)Fluoranthene	1.078	1.145	0.700	-6.2	25.0
Benzo(k)Fluoranthene	0.917	1.011	0.700	-10.2	25.0
Benzo(a)Pyrene	0.929	1.033	0.700	-11.2	25.0
Indeno(1,2,3-cd)Pyrene	0.802	0.850	0.500	-6.0	25.0
Dibenz(a,h)Anthracene	0.705	0.740	0.400	-5.0	25.0
Benzo(g,h,i)Perylene	0.735	0.808	0.500	-9.9	25.0
Nitrobenzene-d5	0.448	0.618	0.200	-38.0	25.0
2-Fluorobiphenyl	1.144	1.238	0.700	-8.2	25.0
Terphenyl-d14	0.936	0.965	0.500	-3.1	25.0
Phenol-d5	1.713	1.984	0.800	-15.8	25.0
2-Fluorophenol	1.205	1.534	0.600	-27.3	25.0
2,4,6-Tribromophenol	0.183	0.199		-8.7	
2-Chlorophenol-d4	1.294	1.280	0.800	1.1	25.0
1,2-Dichlorobenzene-d4	0.813	0.942	0.400	-15.9	25.0

(1) Cannot be separated from Diphenylamine
All other compounds must meet a minimum RRF of 0.010.

6B

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

ORIGINAL (Red)

Lab Name: COMPUCHEM,RTP Contract: 68D10083

Lab Code: COMPU Case No.: 18347 SAS No.: _____ SDG No.: CKY28

Instrument ID: OWA15 Calibration Date(s): 06/11/92 06/11/92

Calibration Times: 1923 2357

LAB FILE ID: RRF20 = HI920611B15 RRF50 = HG920611B15
RRF80 = HK920611B15 RRF120= HJ920611B15 RRF160= HH920611B15

COMPOUND		RRF20	RRF50	RRF80	RRF120	RRF160	$\overline{RRF}$	% RSD
Phenol	*	1.533	1.555	1.566	1.610	1.493	1.551	2.8*
bis(2-Chloroethyl)Ether	*	1.374	1.427	1.421	1.451	1.492	1.433	3.0*
2-Chlorophenol	*	1.324	1.379	1.380	1.205	1.383	1.334	5.7*
1,3-Dichlorobenzene	*	1.454	1.443	1.422	1.502	1.445	1.453	2.0*
1,4-Dichlorobenzene	*	1.566	1.547	1.508	1.565	1.559	1.549	1.6*
1,2-Dichlorobenzene	*	1.430	1.396	1.402	1.464	1.420	1.422	1.9*
2-Methylphenol	*	1.073	1.119	1.189	1.184	1.171	1.147	4.4*
2,2'-Oxybis(1-Chloropropane		1.524	1.640	1.720	1.749	1.901	1.707	8.2
4-Methylphenol	*	1.088	1.191	1.200	1.247	1.238	1.193	5.3*
N-Nitroso-Di-n-Propylamine	*	1.016	1.116	1.126	1.168	1.204	1.126	6.3*
Hexachloroethane	*	0.873	0.842	0.882	0.903	0.852	0.870	2.8*
Nitrobenzene	*	0.418	0.467	0.463	0.469	0.500	0.463	6.3*
Isophorone	*	0.745	0.872	0.860	0.884	0.930	0.858	8.0*
2-Nitrophenol	*	0.171	0.197	0.194	0.191	0.199	0.190	5.9*
2,4-Dimethylphenol	*	0.359	0.354	0.394	0.382	0.398	0.377	5.3*
bis(2-Chloroethoxy)Methane	*	0.487	0.522	0.530	0.539	0.541	0.524	4.2*
2,4-Dichlorophenol	*	0.260	0.299	0.297	0.305	0.304	0.293	6.4*
1,2,4-Trichlorobenzene	*	0.314	0.326	0.323	0.329	0.335	0.325	2.4*
Naphthalene	*	1.033	1.061	1.089	1.101	1.048	1.066	2.6*
4-Chloroaniline		0.324	0.100	0.346	0.311	0.360	0.288	37.1
Hexachlorobutadiene		0.188	0.187	0.193	0.193	0.199	0.192	2.5
4-Chloro-3-Methylphenol	*	0.265	0.317	0.310	0.311	0.338	0.308	8.7*
2-Methylnaphthalene	*	0.623	0.663	0.672	0.677	0.693	0.666	3.9*
Hexachlorocyclopentadiene		0.343	0.363	0.418	0.437	0.460	0.404	12.3
2,4,6-Trichlorophenol	*	0.320	0.374	0.377	0.380	0.424	0.375	9.8*
2,4,5-Trichlorophenol	*	0.318	0.354	0.361	0.360	0.361	0.351	5.3*
2-Chloronaphthalene	*	1.187	1.208	1.280	1.273	1.285	1.247	3.7*
2-Nitroaniline		0.238	0.339	0.352	0.358	0.412	0.340	18.6
Dimethyl Phthalate		1.185	1.295	1.316	1.269	1.340	1.281	4.7
Acenaphthylene	*	1.782	1.906	2.017	1.988	2.049	1.948	5.5*
2,6-Dinitrotoluene	*	0.205	0.262	0.261	0.260	0.285	0.255	11.6*
3-Nitroaniline		0.157	0.194	0.206	0.188	0.193	0.188	9.8
Acenaphthene	*	1.109	1.135	1.172	1.177	1.211	1.161	3.4*
2,4-Dinitrophenol		0.052	0.094	0.096	0.105	0.128	0.095	29.0
4-Nitrophenol		0.118	0.167	0.193	0.195	0.195	0.174	19.1
Dibenzofuran	*	1.483	1.548	1.547	1.548	1.624	1.550	3.2*
2,4-Dinitrotoluene	*	0.259	0.321	0.325	0.321	0.348	0.315	10.5*

(1) Cannot be separated from Diphenylamine
* Compounds with required minimum RRF and maximum %RSD values.
All other compounds must meet a minimum RRF of 0.010.

6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

ORIGINAL (Red)

Lab Name: COMPUCHEM,RTP Contract: 68D10083

Lab Code: COMPU Case No.: 18347 SAS No.: _____ SDG No.: CKY28

Instrument ID: OWA15 Calibration Date(s): 06/11/92 06/11/92

Calibration Times: 1923 2357

LAB FILE ID: RRF20 = HI920611B15 RRF50 = HG920611B15
RRF80 = HK920611B15 RRF120= HJ920611B15 RRF160= HH920611B15

COMPOUND	RRF20	RRF50	RRF80	RRF120	RRF160	$\overline{RRF}$	% RSD
Diethylphthalate	1.276	1.425	1.442	1.413	1.463	1.404	5.3
4-Chlorophenyl-phenylether *	0.490	0.525	0.539	0.549	0.584	0.537	6.4*
Fluorene *	1.104	1.201	1.226	1.232	1.286	1.210	5.5*
4-Nitroaniline	0.131	0.160	0.174	0.162	0.155	0.156	10.1
4,6-Dinitro-2-Methylphenol	0.090	0.122	0.131	0.134	0.147	0.125	17.1
N-Nitrosodiphenylamine (1)	0.603	0.463	0.672	0.647	0.619	0.601	13.6
4-Bromophenyl-phenylether *	0.200	0.216	0.218	0.217	0.219	0.214	3.7*
Hexachlorobenzene *	0.281	0.279	0.280	0.271	0.285	0.279	1.8*
Pentachlorophenol *	0.075	0.111	0.113	0.124	0.133	0.111	19.9*
Phenanthrene *	1.237	1.223	1.302	1.271	1.308	1.268	3.0*
Anthracene *	1.060	0.996	1.113	1.121	1.079	1.074	4.7*
Carbazole	0.741	0.760	0.862	0.820	0.753	0.787	6.6
Di-n-Butylphthalate	1.437	1.685	1.744	1.778	1.688	1.666	8.0
Fluoranthene *	0.744	0.863	0.918	0.913	0.908	0.869	8.4*
Pyrene *	2.037	2.283	2.118	2.138	2.148	2.145	4.1*
Butylbenzylphthalate	0.865	1.207	1.109	1.132	1.172	1.097	12.3
3,3'-Dichlorobenzidine	0.166	0.142	0.216	0.220	0.216	0.192	18.6
Benzo(a)Anthracene *	1.135	1.216	1.219	1.219	1.266	1.211	3.9*
Chrysene *	1.188	1.168	1.111	1.148	1.029	1.129	5.5*
bis(2-Ethylhexyl)Phthalate	1.057	1.509	1.422	1.542	1.549	1.416	14.6
Di-n-Octyl Phthalate	2.284	2.993	2.770	2.727	2.659	2.687	9.6
Benzo(b)Fluoranthene *	1.190	1.376	1.218	1.451	1.401	1.327	8.7*
Benzo(k)Fluoranthene *	1.273	1.161	1.226	0.915	0.850	1.085	17.6*
Benzo(a)Pyrene *	0.952	1.037	1.081	1.090	1.029	1.038	5.3*
Indeno(1,2,3-cd)Pyrene *	0.881	1.106	1.160	1.171	1.060	1.076	10.9*
Dibenz(a,h)Anthracene *	0.669	0.898	0.958	0.961	0.907	0.879	13.7*
Benzo(g,h,i)Perylene *	0.741	1.009	1.023	1.044	0.935	0.950	13.1*
Nitrobenzene-d5 *	0.393	0.470	0.467	0.469	0.508	0.461	9.1*
2-Fluorobiphenyl *	1.417	1.401	1.481	1.488	1.495	1.456	3.0*
Terphenyl-d14 *	1.044	1.146	1.110	1.101	1.130	1.106	3.5*
Phenol-d5 *	1.466	1.585	1.569	1.573	1.641	1.567	4.0*
2-Fluorophenol *	1.320	1.421	1.363	1.368	1.412	1.377	3.0*
2,4,6-Tribromophenol	0.085	0.116	0.112	0.117	0.132	0.112	15.3
2-Chlorophenol-d4 *	1.135	1.210	1.210	1.251	1.228	1.207	3.6*
1,2-Dichlorobenzene-d4 *	0.987	0.928	0.941	0.949	0.918	0.945	2.8*

(1) Cannot be separated from Diphenylamine

* Compounds with required minimum RRF and maximum %RSD values.
All other compounds must meet a minimum RRF of 0.010.

7B

SEMIVOLATILE CONTINUING CALIBRATION CHECK

ORIGINAL (Red)

Lab Name: COMPUCHEM,RTP Contract: 68D10083

Lab Code: COMPU Case No.: 18347 SAS No.: _____ SDG No.: CKY28

Instrument ID: OWA15 Calibration date: 07/01/92 Time: 1718

Lab File ID: HG920701B15 Init. Calib. Date(s): 06/11/92 06/11/92

Init. Calib. Times: 1923 2357

COMPOUND	$\overline{RRF}$	RRF50	MIN RRF	%D	MAX %D
Phenol	1.551	1.849	0.800	-19.2	25.0
bis(2-Chloroethyl)Ether	1.433	1.730	0.700	-20.7	25.0
2-Chlorophenol	1.334	1.431	0.800	-7.3	25.0
1,3-Dichlorobenzene	1.453	1.558	0.600	-7.2	25.0
1,4-Dichlorobenzene	1.549	1.523	0.500	1.7	25.0
1,2-Dichlorobenzene	1.422	1.382	0.400	2.8	25.0
2-Methylphenol	1.147	1.171	0.700	-2.1	25.0
2,2'-Oxybis(1-Chloropropane)	1.707	3.076		-80.2	
4-Methylphenol	1.193	1.293	0.600	-8.4	25.0
N-Nitroso-Di-n-Propylamine	1.126	1.375	0.500	-22.1	25.0
Hexachloroethane	0.870	0.665	0.300	23.6	25.0
Nitrobenzene	0.463	0.476	0.200	-2.8	25.0
Isophorone	0.858	0.909	0.400	-5.9	25.0
2-Nitrophenol	0.190	0.204	0.100	-7.4	25.0
2,4-Dimethylphenol	0.377	0.301	0.200	20.2	25.0
bis(2-Chloroethoxy)Methane	0.524	0.599	0.300	-14.3	25.0
2,4-Dichlorophenol	0.293	0.301	0.200	-2.7	25.0
1,2,4-Trichlorobenzene	0.325	0.337	0.200	-3.7	25.0
Naphthalene	1.066	1.024	0.700	3.9	25.0
4-Chloroaniline	0.288	0.256		11.1	
Hexachlorobutadiene	0.192	0.169		12.0	
4-Chloro-3-Methylphenol	0.308	0.299	0.200	2.9	25.0
2-Methylnaphthalene	0.666	0.639	0.400	4.1	25.0
Hexachlorocyclopentadiene	0.404	0.376		6.9	
2,4,6-Trichlorophenol	0.375	0.416	0.200	-10.9	25.0
2,4,5-Trichlorophenol	0.351	0.431	0.200	-22.8	25.0
2-Chloronaphthalene	1.247	1.241	0.800	0.5	25.0
2-Nitroaniline	0.340	0.436		-28.2	
Dimethyl Phthalate	1.281	1.274		0.5	
Acenaphthylene	1.948	1.918	1.300	1.5	25.0
2,6-Dinitrotoluene	0.255	0.281	0.200	-10.2	25.0
3-Nitroaniline	0.188	0.259		-37.8	
Acenaphthene	1.161	1.156	0.800	0.4	25.0
2,4-Dinitrophenol	0.095	0.136		-43.2	
4-Nitrophenol	0.174	0.085		51.2	
Dibenzofuran	1.550	1.557	0.800	-0.5	25.0
2,4-Dinitrotoluene	0.315	0.345	0.200	-9.5	25.0

Samples
CKY30
CKY32
CKY32MS
CKY32MSD
CKY33
CKY37

All other compounds must meet a minimum RRF of 0.010.

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

ORIGINAL (Red)

Lab Name: COMPUCHEM,RTP Contract: 68D10083

Lab Code: COMPU Case No.: 18347 SAS No.: _____ SDG No.: CKY28

Instrument ID: OWA15 Calibration date: 07/01/92 Time: 1718

Lab File ID: HG920701B15 Init. Calib. Date(s): 06/11/92 06/11/92

Init. Calib. Times: 1923 2357

COMPOUND	$\overline{RRF}$	RRF50	MIN RRF	%D	MAX %D
Diethylphthalate	1.404	1.312		6.6	
4-Chlorophenyl-phenylether	0.537	0.612	0.400	-14.0	25.0
Fluorene	1.210	1.219	0.900	-0.7	25.0
4-Nitroaniline	0.156	0.241		-54.5	
4,6-Dinitro-2-Methylphenol	0.125	0.139		-11.2	
N-Nitrosodiphenylamine (1)	0.601	0.367		38.9	
4-Bromophenyl-phenylether	0.214	0.205	0.100	4.2	25.0
Hexachlorobenzene	0.279	0.252	0.100	9.7	25.0
Pentachlorophenol	0.111	0.123	0.050	-10.8	25.0
Phenanthrene	1.268	1.147	0.700	9.5	25.0
Anthracene	1.074	1.087	0.700	-1.2	25.0
Carbazole	0.787	0.876		-11.3	
Di-n-Butylphthalate	1.666	1.527		8.3	
Fluoranthene	0.869	0.986	0.600	-13.5	25.0
Pyrene	2.145	1.874	0.600	12.6	25.0
Butylbenzylphthalate	1.097	0.889		19.0	
3,3'-Dichlorobenzidine	0.192	0.174		9.4	
Benzo(a)Anthracene	1.211	1.199	0.800	1.0	25.0
Chrysene	1.129	1.039	0.700	8.0	25.0
bis(2-Ethylhexyl)Phthalate	1.416	1.174		17.1	
Di-n-Octyl Phthalate	2.687	2.130		20.7	
Benzo(b)Fluoranthene	1.327	1.133	0.700	14.6	25.0
Benzo(k)Fluoranthene	1.085	1.144	0.700	-5.4	25.0
Benzo(a)Pyrene	1.038	0.968	0.700	6.7	25.0
Indeno(1,2,3-cd)Pyrene	1.076	0.916	0.500	14.9	25.0
Dibenz(a,h)Anthracene	0.879	0.806	0.400	8.3	25.0
Benzo(g,h,i)Perylene	0.950	0.812	0.500	14.5	25.0
Nitrobenzene-d5	0.461	0.473	0.200	-2.6	25.0
2-Fluorobiphenyl	1.456	1.447	0.700	0.6	25.0
Terphenyl-d14	1.106	1.006	0.500	9.0	25.0
Phenol-d5	1.567	1.758	0.800	-12.2	25.0
2-Fluorophenol	1.377	1.376	0.600	0.1	25.0
2,4,6-Tribromophenol	0.112	0.132		-17.9	
2-Chlorophenol-d4	1.207	1.301	0.800	-7.8	25.0
1,2-Dichlorobenzene-d4	0.945	0.873	0.400	7.6	25.0

(1) Cannot be separated from Diphenylamine
All other compounds must meet a minimum RRF of 0.010. ✓

6B

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

ORIGINAL (Red)

Lab Name: COMPUCHEM,RTP Contract: 68D10083

Lab Code: COMPU Case No.: 18347 SAS No.: _____ SDG No.: CKY28

Instrument ID: OWA05 Calibration Date(s): 06/11/92 06/12/92

Calibration Times: 2352 0249

LAB FILE ID: RRF20 = HI920612C05 RRF50 = HG920611B05
RRF80 = HK920612C05 RRF120= HJ920612C05 RRF160= HH920612C05

COMPOUND	RRF20	RRF50	RRF80	RRF120	RRF160	$\overline{RRF}$	% RSD
Phenol *	1.822	1.846	1.846	1.822	1.740	1.815	2.4*
bis(2-Chloroethyl)Ether *	1.608	1.626	1.593	1.557	1.526	1.582	2.5*
2-Chlorophenol *	1.506	1.480	1.455	1.428	1.448	1.463	2.1*
1,3-Dichlorobenzene *	1.590	1.499	1.482	1.486	1.501	1.512	2.9*
1,4-Dichlorobenzene *	1.600	1.542	1.542	1.529	1.593	1.561	2.1*
1,2-Dichlorobenzene *	1.437	1.362	1.355	1.387	1.461	1.400	3.3*
2-Methylphenol *	1.399	1.434	1.377	1.370	1.325	1.381	2.9*
2,2'-Oxybis(1-Chloropropane	2.201	2.145	2.178	2.098	1.960	2.116	4.5
4-Methylphenol *	1.449	1.404	1.417	1.392	1.334	1.399	3.0*
N-Nitroso-Di-n-Propylamine *	1.129	1.126	1.168	1.118	1.103	1.129	2.1*
Hexachloroethane *	0.915	0.914	0.911	0.906	0.926	0.914	0.8*
Nitrobenzene *	0.470	0.476	0.468	0.456	0.464	0.467	1.6*
Isophorone *	0.870	0.889	0.874	0.857	0.894	0.877	1.7*
2-Nitrophenol *	0.198	0.193	0.192	0.190	0.203	0.195	2.7*
2,4-Dimethylphenol *	0.394	0.410	0.387	0.370	0.424	0.397	5.2*
bis(2-Chloroethoxy)Methane *	0.561	0.549	0.538	0.520	0.520	0.538	3.3*
2,4-Dichlorophenol *	0.316	0.312	0.300	0.301	0.312	0.308	2.3*
1,2,4-Trichlorobenzene *	0.336	0.323	0.309	0.311	0.335	0.323	4.0*
Naphthalene *	1.103	1.034	1.001	0.996	1.052	1.037	4.2*
4-Chloroaniline	0.455	0.438	0.430	0.360	0.405	0.418	8.8
Hexachlorobutadiene	0.238	0.220	0.214	0.204	0.212	0.218	5.9
4-Chloro-3-Methylphenol *	0.364	0.356	0.361	0.357	0.374	0.362	2.0*
2-Methylnaphthalene *	0.718	0.673	0.652	0.669	0.738	0.690	5.3*
Hexachlorocyclopentadiene	0.492	0.466	0.444	0.460	0.464	0.465	3.7
2,4,6-Trichlorophenol *	0.424	0.389	0.388	0.393	0.401	0.399	3.7*
2,4,5-Trichlorophenol *	0.444	0.418	0.382	0.372	0.345	0.392	10.0*
2-Chloronaphthalene *	1.282	1.140	1.102	1.112	1.177	1.163	6.3*
2-Nitroaniline	0.493	0.479	0.526	0.533	0.530	0.512	4.8
Dimethyl Phthalate	1.492	1.335	1.315	1.305	1.328	1.355	5.7
Acenaphthylene *	1.992	1.823	1.718	1.763	1.854	1.830	5.7*
2,6-Dinitrotoluene *	0.281	0.285	0.276	0.285	0.276	0.281	1.6*
3-Nitroaniline	0.322	0.306	0.337	0.337	0.325	0.325	3.9
Acenaphthene *	1.188	1.026	0.972	1.038	1.117	1.068	7.9*
2,4-Dinitrophenol	0.128	0.141	0.143	0.158	0.172	0.148	11.4
4-Nitrophenol	0.310	0.357	0.404	0.441	0.432	0.389	14.1
Dibenzofuran *	1.759	1.567	1.483	1.557	1.638	1.601	6.5*
2,4-Dinitrotoluene *	0.389	0.346	0.358	0.386	0.412	0.378	7.0*

* Compounds with required minimum RRF and maximum %RSD values.
All other compounds must meet a minimum RRF of 0.010.

6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

ORIGINAL (Red)

Lab Name: COMPUCHEM,RTP Contract: 68D10083

Lab Code: COMPU Case No.: 18347 SAS No.: _____ SDG No.: CKY28

Instrument ID: OWA05 Calibration Date(s): 06/11/92 06/12/92

Calibration Times: 2352 0249

LAB FILE ID: RRF20 = HI920612C05 RRF50 = HG920611B05
RRF80 = HK920612C05 RRF120= HJ920612C05 RRF160= HH920612C05

COMPOUND		RRF20	RRF50	RRF80	RRF120	RRF160	$\overline{RRF}$	% RSD
Diethylphthalate		1.657	1.593	1.522	1.560	1.578	1.582	3.1
4-Chlorophenyl-phenylether	*	0.740	0.647	0.595	0.588	0.608	0.636	9.9*
Fluorene	*	1.409	1.278	1.176	1.242	1.315	1.284	6.8*
4-Nitroaniline		0.282	0.289	0.308	0.314	0.308	0.300	4.6
4,6-Dinitro-2-Methylphenol		0.133	0.147	0.147	0.142	0.137	0.141	4.4
N-Nitrosodiphenylamine (1)		0.688	0.595	0.583	0.582	0.591	0.608	7.4
4-Bromophenyl-phenylether	*	0.271	0.238	0.224	0.217	0.215	0.233	9.9*
Hexachlorobenzene	*	0.296	0.259	0.243	0.242	0.239	0.256	9.3*
Pentachlorophenol	*	0.166	0.153	0.152	0.157	0.145	0.155	5.0*
Phenanthrene	*	1.231	1.091	1.033	1.105	1.140	1.120	6.5*
Anthracene	*	1.260	1.073	1.047	0.969	0.954	1.061	11.5*
Carbazole		0.994	0.887	0.857	0.850	0.786	0.875	8.7
Di-n-Butylphthalate		1.642	1.532	1.544	1.530	1.461	1.542	4.2
Fluoranthene	*	1.156	0.984	0.938	0.937	0.908	0.985	10.1*
Pyrene	*	1.750	1.584	1.479	1.324	1.439	1.515	10.6*
Butylbenzylphthalate		0.613	0.685	0.763	0.769	0.809	0.728	10.8
3,3'-Dichlorobenzidine		0.221	0.238	0.249	0.233	0.245	0.237	4.6
Benzo(a)Anthracene	*	1.151	1.134	1.138	1.104	1.082	1.122	2.5*
Chrysene	*	1.177	1.150	1.067	0.957	0.980	1.066	9.2*
bis(2-Ethylhexyl)Phthalate		0.836	0.949	1.005	1.044	0.809	0.929	11.1
Di-n-Octyl Phthalate		1.438	1.543	1.682	1.759	1.759	1.636	8.7
Benzo(b)Fluoranthene	*	1.359	1.480	1.329	1.257	1.120	1.309	10.2*
Benzo(k)Fluoranthene	*	1.124	1.081	0.881	0.829	0.845	0.952	14.6*
Benzo(a)Pyrene	*	1.083	1.122	1.046	1.025	0.989	1.053	4.9*
Indeno(1,2,3-cd)Pyrene	*	0.626	1.081	0.992	0.918	0.897	0.903	18.9*
Dibenz(a,h)Anthracene	*	0.794	0.891	0.830	0.795	0.808	0.824	4.9*
Benzo(g,h,i)Perylene	*	0.847	0.968	0.884	0.831	0.880	0.882	6.0*
Nitrobenzene-d5	*	0.462	0.471	0.485	0.477	0.491	0.477	2.4*
2-Fluorobiphenyl	*	1.469	1.294	1.237	1.271	1.330	1.320	6.8*
Terphenyl-d14	*	1.163	1.027	0.891	0.849	0.899	0.966	13.3*
Phenol-d5	*	1.782	1.816	1.876	1.819	1.775	1.814	2.2*
2-Fluorophenol	*	1.427	1.513	1.525	1.541	1.572	1.516	3.6*
2,4,6-Tribromophenol		0.177	0.173	0.164	0.172	0.164	0.170	3.4
2-Chlorophenol-d4	*	1.327	1.295	1.315	1.294	1.292	1.305	1.2*
1,2-Dichlorobenzene-d4	*	0.969	0.916	0.907	0.911	0.936	0.928	2.8*

(1) Cannot be separated from Diphenylamine
* Compounds with required minimum RRF and maximum %RSD values.
All other compounds must meet a minimum RRF of 0.010.

7B

SEMIVOLATILE CONTINUING CALIBRATION CHECK

ORIGINAL (Red)

Lab Name: COMPUCHEM,RTP Contract: 68D10083

Lab Code: COMPU Case No.: 18347 SAS No.: _____ SDG No.: CKY28

Instrument ID: OWA05 Calibration date: 07/14/92 Time: 2324

Lab File ID: HG920714B05 Init. Calib. Date(s): 06/11/92 06/12/92

Init. Calib. Times: 2352 0249

Sample CK429

COMPOUND	$\overline{RRF}$	RRF50	MIN RRF	%D	MAX %D
Phenol	1.815	1.453	0.800	19.9	25.0
bis(2-Chloroethyl)Ether	1.582	1.344	0.700	15.0	25.0
2-Chlorophenol	1.463	1.289	0.800	11.9	25.0
1,3-Dichlorobenzene	1.512	1.472	0.600	2.6	25.0
1,4-Dichlorobenzene	1.561	1.460	0.500	6.5	25.0
1,2-Dichlorobenzene	1.400	1.303	0.400	6.9	25.0
2-Methylphenol	1.381	1.056	0.700	23.5	25.0 ✓
2,2'-Oxybis(1-Chloropropane)	2.116	1.273		39.8	
4-Methylphenol	1.399	1.110	0.600	20.7	25.0
N-Nitroso-Di-n-Propylamine	1.129	1.019	0.500	9.7	25.0
Hexachloroethane	0.914	0.711	0.300	22.2	25.0
Nitrobenzene	0.467	0.406	0.200	13.1	25.0
Isophorone	0.877	0.758	0.400	13.6	25.0
2-Nitrophenol	0.195	0.189	0.100	3.1	25.0
2,4-Dimethylphenol	0.397	0.297	0.200	25.2	25.0 ✓
bis(2-Chloroethoxy)Methane	0.538	0.449	0.300	16.5	25.0
2,4-Dichlorophenol	0.308	0.308	0.200	0.0	25.0
1,2,4-Trichlorobenzene	0.323	0.331	0.200	-2.5	25.0
Naphthalene	1.037	0.928	0.700	10.5	25.0
4-Chloroaniline	0.418	0.368		12.0	
Hexachlorobutadiene	0.218	0.219		-0.5	
4-Chloro-3-Methylphenol	0.362	0.335	0.200	7.5	25.0
2-Methylnaphthalene	0.690	0.614	0.400	11.0	25.0
Hexachlorocyclopentadiene	0.465	0.309		33.6	
2,4,6-Trichlorophenol	0.399	0.416	0.200	-4.3	25.0
2,4,5-Trichlorophenol	0.392	0.444	0.200	-13.3	25.0
2-Chloronaphthalene	1.163	1.109	0.800	4.6	25.0
2-Nitroaniline	0.512	0.438		14.4	
Dimethyl Phthalate	1.355	1.356		-0.1	
Acenaphthylene	1.830	1.718	1.300	6.1	25.0
2,6-Dinitrotoluene	0.281	0.318	0.200	-13.2	25.0
3-Nitroaniline	0.325	0.291		10.5	
Acenaphthene	1.068	1.015	0.800	5.0	25.0
2,4-Dinitrophenol	0.148	0.102		31.1	
4-Nitrophenol	0.389	0.147		62.2	
Dibenzofuran	1.601	1.491	0.800	6.9	25.0
2,4-Dinitrotoluene	0.378	0.428	0.200	-13.2	25.0

All other compounds must meet a minimum RRF of 0.010.

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

ORIGINAL (Red)

Lab Name: COMPUCHEM,RTP Contract: 68D10083

Lab Code: COMPU Case No.: 18347 SAS No.: _____ SDG No.: CKY28

Instrument ID: OWA05 Calibration date: 07/14/92 Time: 2324

Lab File ID: HG920714B05 Init. Calib. Date(s): 06/11/92 06/12/92

Init. Calib. Times: 2352 0249

COMPOUND	$\overline{RRF}$	RRF50	MIN RRF	%D	MAX %D	
Diethylphthalate	1.582	1.447		8.5		
4-Chlorophenyl-phenylether	0.636	0.626	0.400	1.6	25.0	
Fluorene	1.284	1.126	0.900	12.3	25.0	Sample
4-Nitroaniline	0.300	0.254		15.3		
4,6-Dinitro-2-Methylphenol	0.141	0.095		32.6		CKY28
N-Nitrosodiphenylamine (1)	0.608	0.499		17.9		
4-Bromophenyl-phenylether	0.233	0.230	0.100	1.3	25.0	
Hexachlorobenzene	0.256	0.312	0.100	-21.9	25.0	
Pentachlorophenol	0.155	0.150	0.050	3.2	25.0	
Phenanthrene	1.120	0.954	0.700	14.8	25.0	
Anthracene	1.061	0.944	0.700	11.0	25.0	
Carbazole	0.875	0.746		14.7		
Di-n-Butylphthalate	1.542	1.343		12.9		
Fluoranthene	0.985	0.888	0.600	9.8	25.0	
Pyrene	1.515	1.536	0.600	-1.4	25.0	
Butylbenzylphthalate	0.728	0.775		-6.5		
3,3'-Dichlorobenzidine	0.237	0.343		-44.7		
Benzo(a)Anthracene	1.122	1.102	0.800	1.8	25.0	
Chrysene	1.066	1.017	0.700	4.6	25.0	
bis(2-Ethylhexyl)Phthalate	0.929	1.060		-14.1		
Di-n-Octyl Phthalate	1.636	1.829		-11.8		
Benzo(b)Fluoranthene	1.309	1.066	0.700	18.6	25.0	
Benzo(k)Fluoranthene	0.952	1.070	0.700	-12.4	25.0	
Benzo(a)Pyrene	1.053	1.014	0.700	3.7	25.0	
Indeno(1,2,3-cd)Pyrene	0.903	0.749	0.500	17.0	25.0	
Dibenz(a,h)Anthracene	0.824	0.704	0.400	14.6	25.0	
Benzo(g,h,i)Perylene	0.882	0.570	0.500	35.4	25.0	✓
Nitrobenzene-d5	0.477	0.419	0.200	12.2	25.0	
2-Fluorobiphenyl	1.320	1.209	0.700	8.4	25.0	
Terphenyl-d14	0.966	1.016	0.500	-5.2	25.0	
Phenol-d5	1.814	1.527	0.800	15.8	25.0	
2-Fluorophenol	1.516	1.147	0.600	24.3	25.0	
2,4,6-Tribromophenol	0.170	0.236		-38.8		
2-Chlorophenol-d4	1.305	1.177	0.800	9.8	25.0	
1,2-Dichlorobenzene-d4	0.928	0.904	0.400	2.6	25.0	

(1) Cannot be separated from Diphenylamine
All other compounds must meet a minimum RRF of 0.010.

6B

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

ORIGINAL (Red)

Lab Name: COMPUCHEM,RTP Contract: 68D10083

Lab Code: COMPU Case No.: 18347 SAS No.: _____ SDG No.: CKY14

Instrument ID: OWA07 Calibration Date(s): 06/15/92 06/15/92

Calibration Times: 1826 2119

LAB FILE ID: RRF20 = HI920615B07 RRF50 = HG920615B07
RRF80 = HK920615B07 RRF120= HJ920615B07 RRF160= HH920615B07

COMPOUND	RRF20	RRF50	RRF80	RRF120	RRF160	$\overline{RRF}$	% RSD
Phenol *	2.070	1.797	1.751	1.754	1.717	1.818	7.9*
bis(2-Chloroethyl)Ether *	1.774	1.498	1.473	1.521	1.520	1.557	7.9*
2-Chlorophenol *	1.759	1.454	1.426	1.406	1.341	1.477	11.0*
1,3-Dichlorobenzene *	1.956	1.616	1.532	1.521	1.505	1.626	11.6*
1,4-Dichlorobenzene *	1.966	1.591	1.518	1.528	1.459	1.612	12.6*
1,2-Dichlorobenzene *	1.865	1.407	1.357	1.335	1.259	1.445	16.7*
2-Methylphenol *	1.464	1.204	1.212	1.187	1.209	1.255	9.3*
2,2'-Oxybis(1-Chloropropane	2.004	1.728	1.605	1.614	1.733	1.737	9.3
4-Methylphenol *	1.516	1.350	1.333	1.340	1.332	1.374	5.8*
N-Nitroso-Di-n-Propylamine *	1.087	0.991	0.928	0.965	0.990	0.992	5.9*
Hexachloroethane *	0.862	0.710	0.703	0.705	0.738	0.744	9.1*
Nitrobenzene *	0.395	0.332	0.335	0.321	0.365	0.350	8.6*
Isophorone *	0.805	0.706	0.726	0.677	0.735	0.730	6.5*
2-Nitrophenol *	0.235	0.198	0.200	0.195	0.202	0.206	8.0*
2,4-Dimethylphenol *	0.392	0.312	0.307	0.294	0.331	0.327	11.8*
bis(2-Chloroethoxy)Methane *	0.544	0.477	0.492	0.473	0.513	0.500	5.9*
2,4-Dichlorophenol *	0.349	0.291	0.296	0.284	0.288	0.302	8.9*
1,2,4-Trichlorobenzene *	0.391	0.296	0.298	0.284	0.299	0.314	13.9*
Naphthalene *	1.309	1.008	1.000	0.882	0.919	1.024	16.4*
4-Chloroaniline	0.268	0.146	0.123	0.140	0.171	0.170	33.9
Hexachlorobutadiene	0.190	0.152	0.146	0.142	0.152	0.156	12.3
4-Chloro-3-Methylphenol *	0.298	0.266	0.275	0.273	0.310	0.284	6.6*
2-Methylnaphthalene *	0.849	0.701	0.716	0.665	0.665	0.719	10.6*
Hexachlorocyclopentadiene	0.346	0.334	0.315	0.327	0.356	0.336	4.8
2,4,6-Trichlorophenol *	0.487	0.389	0.372	0.373	0.380	0.400	12.2*
2,4,5-Trichlorophenol *	0.482	0.384	0.380	0.379	0.375	0.400	11.5*
2-Chloronaphthalene *	1.646	1.242	1.245	1.244	1.187	1.313	14.3*
2-Nitroaniline	0.343	0.308	0.301	0.289	0.292	0.307	7.1
Dimethyl Phthalate	1.698	1.341	1.331	1.318	1.282	1.394	12.3
Acenaphthylene *	2.522	1.943	1.951	1.820	1.810	2.009	14.6*
2,6-Dinitrotoluene *	0.337	0.289	0.290	0.286	0.282	0.297	7.6*
3-Nitroaniline	0.111	0.048	0.020	0.014	0.028	0.044	89.7
Acenaphthene *	1.414	1.139	1.148	1.161	1.131	1.199	10.1*
2,4-Dinitrophenol	0.115	0.120	0.126	0.138	0.146	0.129	9.9
4-Nitrophenol	0.151	0.122	0.118	0.124	0.131	0.129	10.1
Dibenzofuran *	2.068	1.570	1.567	1.508	1.448	1.632	15.2*
2,4-Dinitrotoluene *	0.429	0.374	0.376	0.386	0.390	0.391	5.7*

* Compounds with required minimum RRF and maximum %RSD values.
All other compounds must meet a minimum RRF of 0.010.

6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

ORIGINAL (Red)

Lab Name: COMPUCHEM,RTP Contract: 68D10083

Lab Code: COMPU Case No.: 18347 SAS No.: _____ SDG No.: CKY14

Instrument ID: OWA07 Calibration Date(s): 06/15/92 06/15/92

Calibration Times: 1826 2119

LAB FILE ID: RRF20 = HI920615B07 RRF50 = HG920615B07
RRF80 = HK920615B07 RRF120= HJ920615B07 RRF160= HH920615B07

COMPOUND	RRF20	RRF50	RRF80	RRF120	RRF160	$\overline{RRF}$	% RSD
Diethylphthalate	1.715	1.374	1.362	1.364	1.371	1.437	10.8
4-Chlorophenyl-phenylether *	0.714	0.594	0.579	0.576	0.580	0.609	9.7*
Flucrene *	1.582	1.272	1.281	1.248	1.216	1.320	11.3*
4-Nitroaniline	0.252	0.141	0.124	0.095	0.093	0.141	46.3
4,6-Dinitro-2-Methylphenol	0.138	0.118	0.126	0.124	0.124	0.126	5.8
N-Nitrosodiphenylamine (1)	0.743	0.441	0.493	0.452	0.419	0.510	26.1
4-Bromophenyl-phenylether *	0.260	0.204	0.214	0.208	0.206	0.218	10.8*
Hexachlorobenzene *	0.325	0.264	0.257	0.253	0.251	0.270	11.5*
Pentachlorophenol *	0.121	0.112	0.114	0.113	0.122	0.116	4.1*
Phenanthrene *	1.423	1.155	1.212	1.144	1.123	1.211	10.1*
Anthracene *	1.417	1.079	1.119	1.035	0.949	1.120	15.9*
Carbazole	0.957	0.695	0.633	0.576	0.542	0.681	24.2
Di-n-Butylphthalate	1.944	1.632	1.676	1.572	1.494	1.664	10.3
Fluoranthene *	1.195	0.986	1.027	0.985	0.956	1.030	9.3*
Pyrene *	2.716	2.096	2.104	1.974	1.989	2.176	14.2*
Butylbenzylphthalate	1.347	1.184	1.188	1.127	1.190	1.207	6.8
3,3'-Dichlorobenzidine	0.292	0.122	0.092	0.054	0.057	0.123	79.9
Benzo(a)Anthracene *	1.616	1.308	1.274	1.190	1.307	1.339	12.1*
Chrysene *	1.440	1.033	1.143	1.010	1.033	1.132	15.9*
bis(2-Ethylhexyl)Phthalate	1.935	1.690	1.771	1.687	1.708	1.758	5.9
Di-n-Octyl Phthalate	2.996	2.650	2.969	2.653	2.584	2.770	7.1
Benzo(b)Fluoranthene *	1.654	1.287	1.351	1.320	1.341	1.391	10.7*
Benzo(k)Fluoranthene *	1.365	1.142	1.142	0.988	1.024	1.132	13.0*
Benzo(a)Pyrene *	1.281	1.080	1.120	1.054	1.111	1.129	7.9*
Indeno(1,2,3-cd)Pyrene *	1.434	1.088	1.170	1.123	1.069	1.177	12.6*
Dibenz(a,h)Anthracene *	1.152	0.941	0.965	0.965	0.974	0.999	8.6*
Benzo(g,h,i)Perylene *	1.132	0.942	0.974	0.926	0.944	0.984	8.6*
Nitrobenzene-d5 *	0.493	0.343	0.406	0.394	0.373	0.402	14.0*
2-Fluorobiphenyl *	1.881	1.405	1.386	1.328	1.267	1.453	16.9*
Terphenyl-d14 *	1.445	1.228	1.242	1.155	1.198	1.254	8.9*
Phenol-d5 *	2.049	1.843	1.815	1.836	1.797	1.868	5.5*
2-Fluorophenol *	1.804	1.526	1.526	1.502	1.498	1.571	8.3*
2,4,6-Tribromophenol	0.214	0.192	0.172	0.176	0.188	0.188	8.8
2-Chlorophenol-d4 *	1.583	1.314	1.290	1.273	1.233	1.339	10.4*
1,2-Dichlorobenzene-d4 *	1.218	0.938	0.924	0.905	0.848	0.967	15.0*

(1) Cannot be separated from Diphenylamine

* Compounds with required minimum RRF and maximum %RSD values.
All other compounds must meet a minimum RRF of 0.010.

7B

SEMIVOLATILE CONTINUING CALIBRATION CHECK

ORIGINAL (Red)

Lab Name: COMPUCHEM,RTP Contract: 68D10083

Lab Code: COMPU Case No.: 18347 SAS No.: _____ SDG No.: CKY14

Instrument ID: OWA07 Calibration date: 06/29/92 Time: 1432

Lab File ID: HG920629A07 Init. Calib. Date(s): 06/15/92 06/15/92

Init. Calib. Times: 1826 2119

COMPOUND	RRF	RRF50	MIN RRF	%D	MAX %D	Samples
Phenol	1.818	1.968	0.800	-8.3	25.0	CKY24
bis(2-Chloroethyl)Ether	1.557	1.568	0.700	-0.7	25.0	CKY25
2-Chlorophenol	1.477	1.437	0.800	2.7	25.0	CKY26
1,3-Dichlorobenzene	1.626	1.536	0.600	5.5	25.0	
1,4-Dichlorobenzene	1.612	1.522	0.500	5.6	25.0	
1,2-Dichlorobenzene	1.445	1.333	0.400	7.8	25.0	
2-Methylphenol	1.255	1.408	0.700	-12.2	25.0	
2,2'-Oxybis(1-Chloropropane)	1.737	1.356		21.9		
4-Methylphenol	1.374	1.455	0.600	-5.9	25.0	
N-Nitroso-Di-n-Propylamine	0.992	0.904	0.500	8.9	25.0	
Hexachloroethane	0.744	0.736	0.300	1.1	25.0	
Nitrobenzene	0.350	0.346	0.200	1.1	25.0	
Isophorone	0.730	0.721	0.400	1.2	25.0	
2-Nitrophenol	0.206	0.213	0.100	-3.4	25.0	
2,4-Dimethylphenol	0.327	0.331	0.200	-1.2	25.0	
bis(2-Chloroethoxy)Methane	0.500	0.503	0.300	-0.6	25.0	
2,4-Dichlorophenol	0.302	0.320	0.200	-6.0	25.0	
1,2,4-Trichlorobenzene	0.314	0.306	0.200	2.5	25.0	
Naphthalene	1.024	0.997	0.700	2.6	25.0	
4-Chloroaniline	0.170	0.240		-41.2		
Hexachlorobutadiene	0.156	0.170		-9.0		
4-Chloro-3-Methylphenol	0.264	0.345	0.200	-21.5	25.0	
2-Methylnaphthalene	0.719	0.695	0.400	3.3	25.0	
Hexachlorocyclopentadiene	0.336	0.289		14.0		
2,4,6-Trichlorophenol	0.400	0.410	0.200	-2.5	25.0	
2,4,5-Trichlorophenol	0.400	0.420	0.200	-5.0	25.0	
2-Chloronaphthalene	1.313	1.180	0.800	10.1	25.0	
2-Nitroaniline	0.307	0.287		6.5		
Dimethyl Phthalate	1.394	1.330		4.6		
Acenaphthylene	2.009	1.831	1.300	8.9	25.0	
2,6-Dinitrotoluene	0.297	0.307	0.200	-3.4	25.0	
3-Nitroaniline	0.044	0.199		-352.3		
Acenaphthene	1.199	1.034	0.800	13.8	25.0	
2,4-Dinitrophenol	0.129	0.121		6.2		
4-Nitrophenol	0.129	0.149		-15.5		
Dibenzofuran	1.632	1.545	0.800	5.3	25.0	
2,4-Dinitrotoluene	0.391	0.387	0.200	1.0	25.0	

All other compounds must meet a minimum RRF of 0.010.

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

ORIGINAL (Red)

Lab Name: COMPUCHEM,RTP Contract: 68D10083

Lab Code: COMPU Case No.: 18347 SAS No.: _____ SDG No.: CKY14

Instrument ID: OWA07 Calibration date: 06/29/92 Time: 1432

Lab File ID: HG920629A07 Init. Calib. Date(s): 06/15/92 06/15/92

Init. Calib. Times: 1826 2119

COMPOUND	$\overline{RRF}$	RRF50	MIN RRF	%D	MAX %D
Diethylphthalate	1.437	1.389		3.3	
4-Chlorophenyl-phenylether	0.609	0.604	0.400	0.8	25.0
Fluorene	1.320	1.130	0.900	14.4	25.0
4-Nitroaniline	0.141	0.206		-46.1	
4,6-Dinitro-2-Methylphenol	0.126	0.132		-4.8	
N-Nitrosodiphenylamine (1)	0.510	0.535		-4.9	
4-Bromophenyl-phenylether	0.218	0.246	0.100	-12.8	25.0
Hexachlorobenzene	0.270	0.284	0.100	-5.2	25.0
Pentachlorophenol	0.116	0.114	0.050	1.7	25.0
Phenanthrene	1.211	1.035	0.700	14.5	25.0
Anthracene	1.120	1.043	0.700	6.9	25.0
Carbazole	0.681	0.760		-11.6	
Di-n-Butylphthalate	1.664	1.545		7.2	
Fluoranthene	1.030	1.043	0.600	-1.3	25.0
Pyrene	2.176	1.907	0.600	12.4	25.0
Butylbenzylphthalate	1.207	1.008		16.5	
3,3'-Dichlorobenzidine	0.123	0.245		-99.2	
Benzo(a)Anthracene	1.339	1.237	0.800	7.6	25.0
Chrysene	1.132	1.103	0.700	2.6	25.0
bis(2-Ethylhexyl)Phthalate	1.758	1.438		18.2	
Di-n-Octyl Phthalate	2.770	2.290		17.3	
Benzo(b)Fluoranthene	1.391	1.352	0.700	2.8	25.0
Benzo(k)Fluoranthene	1.132	0.987	0.700	12.8	25.0
Benzo(a)Pyrene	1.129	1.079	0.700	4.4	25.0
Indeno(1,2,3-cd)Pyrene	1.177	1.051	0.500	10.7	25.0
Dibenz(a,h)Anthracene	0.999	0.919	0.400	8.0	25.0
Benzo(g,h,i)Perylene	0.984	0.879	0.500	10.7	25.0
Nitrobenzene-d5	0.402	0.366	0.200	9.0	25.0
2-Fluorobiphenyl	1.453	1.286	0.700	11.5	25.0
Terphenyl-d14	1.254	1.207	0.500	3.7	25.0
Phenol-d5	1.868	1.878	0.800	-0.5	25.0
2-Fluorophenol	1.571	1.322	0.600	15.8	25.0
2,4,6-Tribromophenol	0.188	0.175		6.9	
2-Chlorophenol-d4	1.339	1.302	0.800	2.8	25.0
1,2-Dichlorobenzene-d4	0.967	0.870	0.400	10.0	25.0

(1) Cannot be separated from Diphenylamine
All other compounds must meet a minimum RRF of 0.010.

6B

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

ORIGINAL (Red)

Lab Name: COMPUCHEM,RTP Contract: 68D10083

Lab Code: COMPU Case No.: 18347 SAS No.: _____ SDG No.: CKY14

Instrument ID: OWA02 Calibration Date(s): 06/23/92 06/23/92

Calibration Times: 1925 2154

LAB FILE ID: RRF20 = HI920623B02 RRF50 = HG920623B02
RRF80 = HK920623B02 RRF120= HJ920623B02 RRF160= HH920623B02

COMPOUND	RRF20	RRF50	RRF80	RRF120	RRF160	$\overline{RRF}$	% RSD
Phenol *	1.864	1.592	1.623	1.450	1.493	1.604	10.1*
bis(2-Chloroethyl)Ether *	1.695	1.490	1.488	1.354	1.392	1.484	8.9*
2-Chlorophenol *	1.541	1.368	1.359	1.241	1.301	1.362	8.2*
1,3-Dichlorobenzene *	1.649	1.490	1.475	1.342	1.402	1.472	7.9*
1,4-Dichlorobenzene *	1.762	1.539	1.519	1.378	1.421	1.524	9.8*
1,2-Dichlorobenzene *	1.567	1.398	1.395	1.263	1.287	1.382	8.7*
2-Methylphenol *	1.296	1.122	1.122	1.018	1.050	1.122	9.6*
2,2'-Oxybis(1-Chloropropane	1.939	1.741	1.720	1.577	1.663	1.728	7.8
4-Methylphenol *	1.370	1.182	1.165	1.045	1.094	1.171	10.6*
N-Nitroso-Di-n-Propylamine *	1.244	1.067	1.065	0.982	1.013	1.074	9.5*
Hexachloroethane *	0.833	0.777	0.759	0.712	0.751	0.766	5.8*
Nitrobenzene *	0.495	0.445	0.446	0.400	0.421	0.441	8.0*
Isophorone *	0.917	0.827	0.838	0.763	0.799	0.829	6.9*
2-Nitrophenol *	0.213	0.200	0.207	0.190	0.203	0.203	4.2*
2,4-Dimethylphenol *	0.382	0.327	0.345	0.303	0.336	0.339	8.5*
bis(2-Chloroethoxy)Methane *	0.605	0.539	0.546	0.494	0.514	0.540	7.8*
2,4-Dichlorophenol *	0.352	0.315	0.319	0.290	0.303	0.316	7.3*
1,2,4-Trichlorobenzene *	0.384	0.349	0.339	0.307	0.323	0.340	8.6*
Naphthalene *	1.133	1.005	0.987	0.875	0.866	0.973	11.2*
4-Chloroaniline	0.461	0.391	0.405	0.331	0.382	0.394	11.9
Hexachlorobutadiene	0.209	0.203	0.189	0.172	0.182	0.191	7.9
4-Chloro-3-Methylphenol *	0.346	0.321	0.327	0.307	0.326	0.325	4.3*
2-Methylnaphthalene *	0.669	0.606	0.603	0.547	0.554	0.596	8.2*
Hexachlorocyclopentadiene	0.437	0.447	0.459	0.431	0.460	0.447	2.9
2,4,6-Trichlorophenol *	0.505	0.444	0.458	0.425	0.439	0.454	6.8*
2,4,5-Trichlorophenol *	0.549	0.489	0.488	0.443	0.463	0.486	8.2*
2-Chloronaphthalene *	1.475	1.288	1.313	1.193	1.203	1.294	8.8*
2-Nitroaniline	0.497	0.453	0.511	0.482	0.502	0.489	4.6
Dimethyl Phthalate	1.555	1.375	1.422	1.306	1.369	1.405	6.6
Acenaphthylene *	2.212	1.975	1.982	1.798	1.792	1.952	8.8*
2,6-Dinitrotoluene *	0.361	0.338	0.350	0.330	0.352	0.346	3.5*
3-Nitroaniline	0.393	0.337	0.377	0.350	0.382	0.368	6.4
Acenaphthene *	1.332	1.174	1.177	1.069	1.089	1.168	8.9*
2,4-Dinitrophenol	0.170	0.185	0.213	0.212	0.234	0.203	12.4
4-Nitrophenol	0.159	0.150	0.169	0.159	0.173	0.162	5.6
Dibenzofuran *	2.027	1.795	1.764	1.605	1.616	1.761	9.7*
2,4-Dinitrotoluene *	0.480	0.464	0.485	0.454	0.477	0.472	2.7*

(1) Cannot be separated from Diphenylamine

* Compounds with required minimum RRF and maximum %RSD values.
All other compounds must meet a minimum RRF of 0.010.

6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

ORIGINAL (Red)

Lab Name: COMPUCHEM,RTP Contract: 68D10083

Lab Code: COMPU Case No.: 18347 SAS No.: _____ SDG No.: CKY14

Instrument ID: OWA02 Calibration Date(s): 06/23/92 06/23/92

Calibration Times: 1925 2154

LAB FILE ID: RRF20 = HI920623B02 RRF50 = HG920623B02
RRF80 = HK920623B02 RRF120= HJ920623B02 RRF160= HH920623B02

COMPOUND	RRF20	RRF50	RRF80	RRF120	RRF160	$\overline{RRF}$	% RSD
Diethylphthalate	1.578	1.457	1.528	1.432	1.480	1.495	3.9
4-Chlorophenyl-phenylether *	0.762	0.672	0.642	0.590	0.594	0.652	10.8*
Fluorene *	1.463	1.293	1.286	1.149	1.136	1.265	10.5*
4-Nitroaniline	0.378	0.307	0.350	0.327	0.364	0.345	8.3
4,6-Dinitro-2-Methylphenol	0.153	0.161	0.179	0.175	0.189	0.171	8.4
N-Nitrosodiphenylamine (1)	0.640	0.561	0.573	0.538	0.563	0.575	6.7
4-Bromophenyl-phenylether *	0.273	0.240	0.235	0.221	0.236	0.241	8.0*
Hexachlorobenzene *	0.360	0.317	0.308	0.295	0.308	0.318	7.9*
Pentachlorophenol *	0.161	0.160	0.169	0.159	0.175	0.165	4.2*
Phenanthrene *	1.296	1.141	1.164	1.073	1.101	1.155	7.5*
Anthracene *	1.249	1.109	1.136	1.005	1.035	1.107	8.6*
Carbazole	1.013	0.892	0.964	0.897	0.928	0.939	5.4
Di-n-Butylphthalate	1.488	1.410	1.498	1.420	1.443	1.452	2.7
Fluoranthene *	1.095	1.023	1.032	0.960	0.965	1.015	5.5*
Pyrene *	1.897	1.645	1.744	1.582	1.723	1.718	6.9*
Butylbenzylphthalate	0.811	0.722	0.854	0.828	0.937	0.830	9.3
3,3'-Dichlorobenzidine	0.326	0.244	0.259	0.229	0.257	0.263	14.2
Benzo(a)Anthracene *	1.393	1.171	1.162	1.101	1.147	1.195	9.5*
Chrysene *	1.342	1.038	1.080	0.975	1.020	1.091	13.3*
bis(2-Ethylhexyl)Phthalate	1.208	1.115	1.269	1.248	1.359	1.240	7.2
Di-n-Octyl Phthalate	2.165	2.155	2.364	2.136	2.403	2.245	5.7
Benzo(b)Fluoranthene *	1.472	1.302	1.356	1.190	1.341	1.332	7.6*
Benzo(k)Fluoranthene *	1.353	1.194	1.140	0.989	1.196	1.174	11.1*
Benzo(a)Pyrene *	1.224	1.030	1.040	0.898	1.071	1.053	11.1*
Indeno(1,2,3-cd)Pyrene *	1.115	0.949	0.892	0.779	0.861	0.919	13.7*
Dibenz(a,h)Anthracene *	0.922	0.784	0.763	0.670	0.757	0.779	11.7*
Benzo(g,h,i)Perylene *	1.018	0.847	0.759	0.687	0.728	0.808	16.3*
Nitrobenzene-d5 *	0.485	0.443	0.456	0.411	0.428	0.445	6.3*
2-Fluorobiphenyl *	1.612	1.379	1.373	1.230	1.245	1.368	11.2*
Terphenyl-d14 *	1.169	1.020	1.077	1.005	1.084	1.071	6.0*
Phenol-d5 *	1.821	1.614	1.615	1.471	1.523	1.609	8.3*
2-Fluorophenol *	1.439	1.272	1.294	1.178	1.236	1.284	7.6*
2,4,6-Tribromophenol	0.239	0.229	0.229	0.212	0.233	0.228	4.4
2-Chlorophenol-d4 *	1.341	1.190	1.198	1.099	1.153	1.196	7.5*
1,2-Dichlorobenzene-d4 *	1.040	0.942	0.895	0.808	0.827	0.902	10.4*

(1) Cannot be separated from Diphenylamine

* Compounds with required minimum RRF and maximum %RSD values.
All other compounds must meet a minimum RRF of 0.010.

7B

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: COMPUCHEM,RTP Contract: 68D10083

Lab Code: CCMPU Case No.: 18347 SAS No.: _____ SDG No.: CKY14

Instrument ID: OWA02 Calibration date: 06/29/92 Time: 1513

Lab File ID: HG920629A02 Init. Calib. Date(s): 06/23/92 06/23/92

Init. Calib. Times: 1925 2154

COMPOUND	RRF	RRF50	MIN RRF	%D	MAX %D	Samples.
Phenol	1.604	1.687	0.800	-5.2	25.0	CKY14
bis(2-Chloroethyl)Ether	1.484	1.512	0.700	-1.9	25.0	CKY15
2-Chlorophenol	1.362	1.386	0.800	-1.8	25.0	CKY16
1,3-Dichlorobenzene	1.472	1.485	0.600	-0.9	25.0	CKY17
1,4-Dichlorobenzene	1.524	1.556	0.500	-2.1	25.0	CKY18
1,2-Dichlorobenzene	1.382	1.447	0.400	-4.7	25.0	CKY18 MS
2-Methylphenol	1.122	1.134	0.700	-1.1	25.0	CKY18MSD
2,2'-Oxybis(1-Chloropropane)	1.728	1.631		5.6		
4-Methylphenol	1.171	1.235	0.600	-5.5	25.0	CKY19
N-Nitroso-Di-n-Propylamine	1.074	1.267	0.500	-18.0	25.0	CKY20
Hexachloroethane	0.766	0.809	0.300	-5.6	25.0	
Nitrobenzene	0.441	0.514	0.200	-16.6	25.0	CKY22
Isophorone	0.829	0.896	0.400	-8.1	25.0	CKY23
2-Nitrophenol	0.203	0.191	0.100	5.9	25.0	
2,4-Dimethylphenol	0.339	0.338	0.200	0.3	25.0	~~CKY~~ HS9/c
bis(2-Chloroethoxy)Methane	0.540	0.567	0.300	-5.0	25.0	SBLK25
2,4-Dichlorophenol	0.316	0.322	0.200	-1.9	25.0	
1,2,4-Trichlorobenzene	0.340	0.355	0.200	-4.4	25.0	
Naphthalene	0.973	1.045	0.700	-7.4	25.0	
4-Chloroaniline	0.394	0.118		70.0		
Hexachlorobutadiene	0.191	0.215		-12.6		
4-Chloro-3-Methylphenol	0.325	0.336	0.200	-3.4	25.0	
2-Methylnaphthalene	0.596	0.592	0.400	0.7	25.0	
Hexachlorocyclopentadiene	0.447	0.494		-10.5		
2,4,6-Trichlorophenol	0.454	0.489	0.200	-7.7	25.0	
2,4,5-Trichlorophenol	0.486	0.508	0.200	-4.5	25.0	
2-Chloronaphthalene	1.294	1.298	0.800	-0.3	25.0	
2-Nitroaniline	0.489	0.495		-1.2		
Dimethyl Phthalate	1.405	1.447		-3.0		
Acenaphthylene	1.952	2.024	1.300	-3.7	25.0	
2,6-Dinitrotoluene	0.346	0.302	0.200	12.7	25.0	
3-Nitroaniline	0.368	0.299		18.8		
Acenaphthene	1.168	1.226	0.800	-5.0	25.0	
2,4-Dinitrophenol	0.203	0.169		16.8		
4-Nitrophenol	0.162	0.204		-25.9		
Dibenzofuran	1.761	1.862	0.800	-5.7	25.0	
2,4-Dinitrotoluene	0.472	0.482	0.200	-2.1	25.0	

All other compounds must meet a minimum RRF of 0.010.

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: COMPUCHEM,RTP Contract: 68D10083

Lab Code: COMPU Case No.: 18347 SAS No.: _____ SDG No.: CKY14

Instrument ID: OWA02 Calibration date: 06/29/92 Time: 1513

Lab File ID: HG920629A02 Init. Calib. Date(s): 06/23/92 06/23/92

Init. Calib. Times: 1925 2154

COMPOUND	$\overline{RRF}$	RRF50	MIN RRF	%D	MAX %D
Diethylphthalate	1.495	1.512		-1.1	
4-Chlorophenyl-phenylether	0.652	0.751	0.400	-15.2	25.0
Fluorene	1.265	1.489	0.900	-17.7	25.0
4-Nitroaniline	0.345	0.289		16.2	
4,6-Dinitro-2-Methylphenol	0.171	0.157		8.2	
N-Nitrosodiphenylamine (1)	0.575	0.326		43.3	
4-Bromophenyl-phenylether	0.241	0.252	0.100	-4.6	25.0
Hexachlorobenzene	0.318	0.349	0.100	-9.7	25.0
Pentachlorophenol	0.165	0.186	0.050	-12.7	25.0
Phenanthrene	1.155	1.166	0.700	-1.0	25.0
Anthracene	1.107	1.055	0.700	4.7	25.0
Carbazole	0.939	0.892		5.0	
Di-n-Butylphthalate	1.452	1.498		-3.2	
Fluoranthene	1.015	1.114	0.600	-9.8	25.0
Pyrene	1.718	1.306	0.600	24.0	25.0
Butylbenzylphthalate	0.830	0.615		25.9	
3,3'-Dichlorobenzidine	0.263	0.165		37.3	
Benzo(a)Anthracene	1.195	1.190	0.800	0.4	25.0
Chrysene	1.091	0.945	0.700	13.4	25.0
bis(2-Ethylhexyl)Phthalate	1.240	1.102		11.1	
Di-n-Octyl Phthalate	2.245	2.010		10.5	
Benzo(b)Fluoranthene	1.332	1.343	0.700	-0.8	25.0
Benzo(k)Fluoranthene	1.174	1.189	0.700	-1.3	25.0
Benzo(a)Pyrene	1.053	0.979	0.700	7.0	25.0
Indeno(1,2,3-cd)Pyrene	0.919	0.862	0.500	6.2	25.0
Dibenz(a,h)Anthracene	0.779	0.729	0.400	6.4	25.0
Benzo(g,h,i)Perylene	0.808	0.785	0.500	2.8	25.0
Nitrobenzene-d5	0.445	0.525	0.200	-18.0	25.0
2-Fluorobiphenyl	1.368	1.466	0.700	-7.2	25.0
Terphenyl-d14	1.071	0.832	0.500	22.3	25.0
Phenol-d5	1.609	1.652	0.800	-2.7	25.0
2-Fluorophenol	1.284	1.406	0.600	-9.5	25.0
2,4,6-Tribromophenol	0.228	0.270		-18.4	
2-Chlorophenol-d4	1.196	1.188	0.800	0.7	25.0
1,2-Dichlorobenzene-d4	0.902	0.982	0.400	-8.9	25.0

(1) Cannot be separated from Diphenylamine
All other compounds must meet a minimum RRF of 0.010.

2C

WATER SEMIVOLATILE SURROGATE RECOVERY

ORIGINAL (Red)

Lab Name: COMPUCHEM,RTP Contract: 68D10083

Lab Code: COMPU Case No.: 18347 SAS No.: _____ SDG No.: CKY14

	EPA SAMPLE NO.	S1 (NBZ) #	S2 (FBP) #	S3 (TPH) #	S4 (PHL) #	S5 (2FP) #	S6 (TBP) #	S7 (2CP) #	S8 (DCB) #	TOT OUT
01	CKY14	92	85	133	57	88	79	109	72	0
02	CKY15	77	76	111	75	72	61	92	66	0
03	CKY16	94	88	141	92	89	74	115 *	73	1
04	CKY17	91	84	139	88	83	75	106	67	0
05	CKY18	100	90	146 *	94	89	75	115 *	75	2
06	CKY19	94	93	138	87	84	77	111 *	79	1
07	CKY20	93	92	149 *	90	86	80	109	82	1
08	CKY22	74	76	122	75	70	66	91	65	0
09	CKY23	86	85	137	83	80	76	103	70	0
10	CKY24	70	70	85	53	67	83	83	74	0
11	CKY25	62	64	82	47	56	77	72	65	0
12	CKY26	77	73	57	60	71	97	86	77	0
13	CKY18MS	71	66	108	71	66	59	85	52	0
14	CKY18MSD	0 *	0 *	4 *	2 *	2 *	2 *	2 *	0 *	8
15	SBLK13	75	68	89	67	71	84	81	68	0
16	SBLK25	74	71	108	76	70	63	92	57	0

		QC LIMITS	
S1 (NBZ)	= Nitrobenzene-d5	(35-114)	
S2 (FBP)	= 2-Fluorobiphenyl	(43-116)	
S3 (TPH)	= Terphenyl-d14	(33-141)	
S4 (PHL)	= Phenol-d5	(10-110)	
S5 (2FP)	= 2-Fluorophenol	(21-110)	
S6 (TBP)	= 2,4,6-Tribromophenol	(10-123)	
S7 (2CP)	= 2-Chlorophenol-d4	(33-110)	(advisory)
S8 (DCB)	= 1,2-Dichlorobenzene-d4	(16-110)	(advisory)

Column to be used to flag recovery values
* Values outside of contract required QC limits
D Surrogate diluted out

2D
SOIL SEMIVOLATILE SURROGATE RECOVERY

ORIGINAL (Red)

Lab Name: COMPUCHEM,RTP Contract: 68D10083

Lab Code: COMPU Case No.: 18347 SAS No.: _____ SDG No.: CKY28

Level:(low/med) LOW

	EPA SAMPLE NO.	S1 (NBZ) #	S2 (FBP) #	S3 (TPH) #	S4 (PHL) #	S5 (2FP) #	S6 (TBP) #	S7 (2CP) #	S8 (DCB) #	TOT OUT
01	CKY28	73	79	79	74	79	39	92	71	0
02	CKY29	85	86	83	67	59	50	75	74	0
03	CKY30	86	76	94	80	68	65	79	83	0
04	CKY31	75	89	72	73	80	24	91	73	0
05	CKY32	81	78	98	62	39	5 *	57	78	1
06	CKY33	79	72	91	70	50	34	68	78	0
07	CKY34	25	28 *	31	25	25	21	30	26	1
08	CKY35	77	79	76	77	84	61	97	79	0
09	CKY36	72	81	80	75	79	50	96	77	0
10	CKY37	84	76	91	73	52	28	65	79	0
11	CKY38	33	38	44	33	34	32	41	31	0
12	CKY32MS	84	76	93	66	47	15 *	62	82	1
13	CKY32MSD	85	76	89	65	47	12 *	61	78	1
14	SBLK21	80	69	96	73	56	30	67	79	0
15	SBLK06	47	43	58	45	46	23	55	47	0
16	SBLK48	80	79	93	64	59	65	72	69	0

		QC LIMITS	
S1 (NBZ)	= Nitrobenzene-d5	(23-120)	
S2 (FBP)	= 2-Fluorobiphenyl	(30-115)	
S3 (TPH)	= Terphenyl-d14	(18-137)	
S4 (PHL)	= Phenol-d5	(24-113)	
S5 (2FP)	= 2-Fluorophenol	(25-121)	
S6 (TBP)	= 2,4,6-Tribromophenol	(19-122)	
S7 (2CP)	= 2-Chlorophenol-d4	(20-130)	(advisory)
S8 (DCB)	= 1,2-Dichlorobenzene-d4	(20-130)	(advisory)

Column to be used to flag recovery values
* Values outside of contract required QC limits
D Surrogate diluted out

2E
WATER PESTICIDE SURROGATE RECOVERY

ORIGINAL (Red)

Lab Name: COMPUCHEM,RTP Contract: 68D10083

Lab Code: COMPU Case No.: 18347 SAS No.: SDG No.: CKY14

GC Column (1): DB-608 ID: 0.53(mm) GC Column (2): RTX-1701 ID: 0.53(mm)

	EPA SAMPLE NO.	TCX 1 %REC #	TCX 2 %REC #	DCB 1 %REC #	DCB 2 %REC #	OTHER (1)	OTHER (2)	TOT OUT
01	CKY14	76	87	67	53*			1
02	CKY18MS	96	86	100	95			0
03	CKY18MSD	88	86	100	87			0
04	CKY15	100	92	140	98			0
05	CKY16	83	98	76	64			0
06	CKY17	98	73	94	87			0
07	CKY18	83	84	97	81			0
08	CKY19	80	76	81	64			0
09	CKY20	84	100	85	74			0
10	CKY22	88	100	98	97			0
11	CKY23	77	83	76	81			0
12	CKY24	79	79	80	82			0
13	CKY25	86	90	91	95			0
14	CKY26	72	87	55*	80			1
15	PBLK55	99	84	130	82			0
16								
17								
18								
19								
20								
21								
22								
23								
24								
25								
26								
27								
28								
29								
30								

	QC LIMITS
TCX = Tetrachloro-m-xylene	(60-150)
DCB = Decachlorobiphenyl	(60-150)

Column to be used to flag recovery values.
* Values outside of QC Limits
D Surrogate diluted out.

ORIGINAL (Red)

2F
SOIL PESTICIDE SURROGATE RECOVERY

Lab Name: COMPUCHEM,RTP Contract: 68D10083

Lab Code: COMPU Case No.: 18347 SAS No.: SDG No.: CKY28

GC Column (1): DB-608 ID: 0.53(mm) GC Column (2): RTX-1701 ID: 0.53(mm)

	EPA SAMPLE NO.	TCX 1 %REC #	TCX 2 %REC #	DCB 1 %REC #	DCB 2 %REC #	OTHER (1)	OTHER (2)	TOT OUT
01	CKY28	72	61	80	69			0
02	CKY29	76	64	100	88			0
03	CKY32MS	69	60	83	75			0
04	CKY32MSD	77	63	90	77			0
05	CKY30	71	53*	72	70			1
06	CKY31	80	66	100	73			0
07	CKY32	68	56*	82	69			1
08	CKY33	74	61	75	83			0
09	CKY34	75	64	88	79			0
10	CKY35	67	60	82	84			0
11	CKY36	98	59*	82	70			1
12	CKY37	71	60	72	73			0
13	CKY38	70	61	83	76			0
14	PBLK22	75	61	87	77			0
15								
16								
17								
18								
19								
20								
21								
22								
23								
24								
25								
26								
27								
28								
29								
30								

	QC LIMITS
TCX = Tetrachloro-m-xylene	(60-150)
DCB = Decachlorobiphenyl	(60-150)

Column to be used to flag recovery values.
* Values outside of QC Limits
D Surrogate diluted out.

3C

WATER SEMIVOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

ORIGINAL (Red)

Lab Name: COMPUCHEM,RTP Contract: 68D10083

Lab Code: COMPU Case No.: 18347 SAS No.: _____ SDG No.: CKY14

Matrix Spike - EPA Sample No.: CKY18

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC #	QC LIMITS REC.
Phenol	75.00	0	49.30	66	12-110
2-Chlorophenol	75.00	0	48.80	65	27-123
1,4-Dichlorobenzene	50.00	0	25.80	52	36- 97
N-Nitroso-di-n-prop.(1)	50.00	0	29.10	58	41-116
1,2,4-Trichlorobenzene	50.00	0	28.40	57	39- 98
4-Chloro-3-methylphenol	75.00	0	52.10	69	23- 97
Acenaphthene	50.00	0	31.40	63	46-118
4-Nitrophenol	75.00	0	48.50	65	10- 80
2,4-Dinitrotoluene	50.00	0	30.80	62	24- 96
Pentachlorophenol	75.00	0	46.00	61	9-103
Pyrene	50.00	0	43.60	87	26-127

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Phenol	75.00	1.620	2 *	188 *	42	12-110
2-Chlorophenol	75.00	1.360	2 *	188 *	40	27-123
1,4-Dichlorobenzene	50.00	0	0 *	200 *	28	36- 97
N-Nitroso-di-n-prop.(1)	50.00	0	0 *	200 *	38	41-116
1,2,4-Trichlorobenzene	50.00	0	0 *	200 *	28	39- 98
4-Chloro-3-methylphenol	75.00	1.490	2 *	189 *	42	23- 97
Acenaphthene	50.00	0	0 *	200 *	31	46-118
4-Nitrophenol	75.00	1.910	3 *	182 *	50	10- 80
2,4-Dinitrotoluene	50.00	0	0 *	200 *	38	24- 96
Pentachlorophenol	75.00	1.350	2 *	187 *	50	9-103
Pyrene	50.00	1.440	3 *	187 *	31	26-127

(1) N-Nitroso-di-n-propylamine

Column to be used to flag recovery and RPD values with an asterisk
* Values outside of QC limits

RPD: 11 out of 11 outside limits
Spike Recovery: 11 out of 22 outside limits

COMMENTS: CLP –
CAP, HG920629A02,DI920629A02, , , ,

3D

SOIL SEMIVOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

ORIGINAL (Red)

Lab Name: COMPUCHEM,RTP Contract: 68D10083

Lab Code: COMPU Case No.: 18347 SAS No.: _____ SDG No.: CKY28

Matrix Spike - EPA Sample No.: CKY32 Level:(low/med) LOW

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC #	QC LIMITS REC.
Phenol	3050	0	2010	66	26- 90
2-Chlorophenol	3050	0	1661	54	25-102
1,4-Dichlorobenzene	2030	0	1551	76	28-104
N-Nitroso-di-n-prop.(1)	2030	0	1393	69	41-126
1,2,4-Trichlorobenzene	2030	0	1486	73	38-107
4-Chloro-3-methylphenol	3050	0	1592	52	26-103
Acenaphthene	2030	0	1531	75	31-137
4-Nitrophenol	3050	0	3411	112	11-114
2,4-Dinitrotoluene	2030	0	1665	82	28- 89
Pentachlorophenol	3050	0	1535	50	17-109
Pyrene	2030	0	1450	71	35-142

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Phenol	3050	2026	66	0	35	26- 90
2-Chlorophenol	3050	1726	57	5	50	25-102
1,4-Dichlorobenzene	2030	1535	76	0	27	28-104
N-Nitroso-di-n-prop.(1)	2030	1466	72	4	38	41-126
1,2,4-Trichlorobenzene	2030	1499	74	1	23	38-107
4-Chloro-3-methylphenol	3050	1657	54	4	33	26-103
Acenaphthene	2030	1592	78	4	19	31-137
4-Nitrophenol	3050	3606	118 *	5	50	11-114
2,4-Dinitrotoluene	2030	1750	86	5	47	28- 89
Pentachlorophenol	3050	1466	48	4	47	17-109
Pyrene	2030	1470	72	1	36	35-142

(1) N-Nitroso-di-n-propylamine

Column to be used to flag recovery and RPD values with an asterisk
* Values outside of QC limits

RPD: 0 out of 11 outside limits
Spike Recovery: 1 out of 22 outside limits

COMMENTS: CLP
CAP, HG920701B15,DH920701B15, , , ,

EPA

United States Environmental Protection Agency
Contract Laboratory Program Sample Management Office
PO Box 818 Alexandria, VA 22313
703-557-2490 FTS 557-2490

Organic Traffic Report & Chain of Custody Record

(For Organic CLP Analysis)

SAS No. (if applicable)

Case No. 18347

Sample Description (Enter in Column A)	2. Preservative (Enter in Column D)
Surface Water, Ground Water, Leachate, Effluent, Soil/Sediment, Oil (SAS), Waste (SAS), Other (SAS) (Specify)	1. HCl, 2. HNO3, 3. NaHSO4, 4. H2SO4, 5. Other (SAS) (Specify), 6. Ice only, N. Not preserved

3. Region No.: III
Sampling Co.: MDE /HSWMA
Sampler (Name): JENNIFER WOODS
Sampler Signature: [signature]

4. Type of Activity: Remedial / Removal
SF, PRB, ST, FED, Test, Pre-Remedial, PA, SS, LS, RIFS, RD, RA, O&M, NPL, CLEM, REMA, REM, OIL, UST

5. Date Shipped: 6/23/92
Carrier: FED EX
Airbill Number: 4208457993

6. Ship To:
COMPUCHEM LABORATORIES
3308 CHAPEL HILL / NELSON HWY
PO BOX 12652
RESEARCH TRIANGLE PARK, NC 27709
ATTN: NATALIE CARTER
(919) 248 6735

7. Date Received -- Received by: 6/24/92 V Bate
Laboratory Contract Number: 68D100B3
8. Transfer to
Date Received
Received by
Contract Number
Price

Sample Numbers (Begin with Letters)	A Enter # From Box 1	B Conc. Low Med High	C Sample Type: Comp./Grab	D Preservative from Box 6	E RAS Analysis VOA	BNA	Pest/PCB	High ARO/TOX	F Regional Specific Tracking Number or Tag Numbers	G Station Location Number	H Mo/Day/Year/Time Sample Collection	I Sampler Initials	J Corresp. CLP Inorg. Samp. No.	K Sample Condition on Rec'd	L High Conc. Phases (Check below) Solids	Water - Med Lev	Non Water - Med Lev
Y 14	3	L	G	1,6	X	X	X		3-1224137 TO 3-1225140	PLY 1	6/23/92 830	[illegible]	MCTY 07				
Y 15	2	L	G	1,6	X	X	X		3-1225141 TO 3-1225144	GW 1	6/23/92 830	[illegible]	MCTY 08				
Y 16	2	L	G	1,6	X	X	X		3-1225145 TO 3-1225148	GW 2	6/23/92 1045	[illegible]	MCTY 09				
Y 17	2	L	G	1,6	X	X	X		3-1225149 TO 3-1225152	GW 3	6/23/92 1200	[illegible]	MCTY 10				
Y 18	2	L	G	1,6	X	X	X		3-1225153 TO 3-1225156	GW 4	6/23/92 1015	[illegible]	MCTY 11				
Y 19	2	L	G	1,6	X	X	X		3-1225157 TO 3-1225160	GW 5	6/23/92 1045	[illegible]	MCTY 12				
Y 20	2	L	G	1,6	X	X	X		3-1225161 TO 3-1225164	GW 6	6/23/92 1545	[illegible]	MCTY 13				
Y 21	2	L	G	1,6	X	X	X		3-1225165 TO 3-1225168	GW 7			MCTY 14				
Y 22	1	L	G	1,6	X	X	X		3-1225169 TO 3-1225172	SW 1	6/23/92 945	[illegible]	MCTY 15				
Y 23	1	L	G	1,6	X	X	X		3-1225173 TO 3-1225176	SW 2	6/23/92 930	[illegible]	MCTY 16				

Shipment for Case Complete? (Y/N): Y
Page 1 of 3
Sample used for a spike and/or duplicate: DO QC ON CKY 18
Additional Sampler Signatures: [signature] Michele A Weaver
Chain of Custody Seal Number: 499435 435 436 437 | 499439 440 441 442 | 499444

CHAIN OF CUSTODY RECORD

Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
[signature]	6/23/92 1600				
Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
Relinquished by: (Signature)	Date / Time	Received for Laboratory by: (Signature)	Date / Time	Remarks: Is custody seal intact? Y/N/none. CKY16 1-VOA BROKEN TRIP BLK 3-1225146 (WATER) AIRBILL # RECVD 2957725505	
		V Bate	6/24/92 0830		

Split Samples: [ ] Accepted (Signature)

Form 9110-2 (Rev. 5-91) Replaces EPA Form (2075-7), previous edition which may be used

DISTRIBUTION:

014

18347 CKY 18

SAMPLE DATA PACKAGE

EPA United States Environmental Protection Agency
Contract Laboratory Program Sample Management Office
PO Box 818 Alexandria, VA 22313
703-557-2490 FTS 557-2490

Organic Traffic Report & Chain of Custody Record
(For Organic CLP Analysis)

SAS No. (if applicable)

Case No. 18347

Sample Description (Enter in Column A)	2. Preservative (Enter in Column D)	3. Region No.	Sampling Co.	5. Date Shipped	Carrier	7. Date Received -- Received by
1. Surface Water 2. Ground Water 3. Leachate 4. Finsate 5. Soil/Sediment 6. Oil (SAS) 7. Waste (SAS) 8. Other (SAS) (Specify)	1. HCl 2. HNO3 3. NaHSO4 4. H_2SO_4 5. Other (SAS) (Specify) 6. Ice only N. Not preserved	III	MDE/HSLMA	6/23/92	FED EX	6/24/92 VBatt

Sampler (Name): Jennifer Woods

Sampler Signature: [signature]

Airbill Number: 4208 45 7 993

Laboratory Contract Number: 68D10083

Unit Price:

6. Ship To: COMPUCHEM LABORATORIES
3308 CHAPEL HILL/NELSON HWY
PO Box 12652
RESEARCH TRIANGLE PARK, NC 27709
ATTN: NATALIE CARTER
(919) 248-6735

8. Transfer to:

Date Received:

Received by:

Contract Number:

Price:

4. Type of Activity: Lead / Pre-Remedial / Remedial / Removal

SF		PA		RIFS		CLEM	
PRP		SSI	X	RD		REMA	
ST	X	LSI		RA		REM	
FED				O&M		OIL	
				NPLD		UST	

CLP Sample Numbers (from Labels)	A Enter # From Box 1	B Conc. Low Med High	C Sample Type: Comp/Grab	D Preservative from Box 6	E RAS Analysis VOA	BNA	Pest/PCB	High ARO/TOX	F Regional Specific Tracking Number or Tag Numbers	G Station Location Number	H Mo/Day/Year/Time Sample Collection	I Sampler Initials	J Corresp. CLP Inorg. Samp. No.	K Sample Condition on Rec'd	L High Conc. Phases (Check below) Solids	Water-Mix Liq.	Non Water-Mix Liq.
KY 24	1	L	G	1,6	X	X	X		3-1225186 Co 3-1225188	SW 3	6/23/92 1050	[signature]	MCSY 17				
KY 25	1	L	G	1,6	X	X	X		3-1225189 Co 3-1225192	SW 4	6/23/92 1215	[signature]	MCSY 18				
KY 26	3	L	G	1,6	X	X	X		3-1225193 Co 3-1225196	LT 1	6/23/92 915	[signature]	MCSY 19				
~~KY 27~~	~~3~~	~~L~~	~~G~~	~~1,6~~	~~X~~	~~X~~	~~X~~		~~3-1225197 Co~~ ~~3-1225200~~	~~LP 2~~			~~MCSY 20~~				
KY 28	5	L	G	6	X	X	X		3-1225201 Co 3-1225203	SED 1	6/23/92 945	[signature]	MCSY 21				
KY 29	5	L	G	6	X	X	X		3-1225204 Co 3-1225207 Co	SED 2	6/23/92 930	[signature]	MCSY 22				
KY 30	5	L	G	6	X	X	X		3-1225207 Co 3-1225209	SED 3	6/23/92 1050	[signature]	MCSY 23				
KY 31	5	L	G	6	X	X	X		3-1225210 Co 3-1225212	SED 4	6/23/92 1215	[signature]	MCSY 24				
KY 32	5	L	G	6	X	X	X		3-1225213 Co 3-1225218	S 1	6/23/92 1200	[signature]	MCSY 25				
KY 33	5	L	G	6	X	X	X		3-1225219 Co 3-1225221	S 2	6/23/92 1000	[signature]	MCSY 26				

Shipment for Case Complete? (Y/N): Y

Page 1 of 3

Sample used for a spike and/or duplicate: Do QC on CKY 32

Additional Sampler Signatures: [signature] [signature] [signature]

Chain of Custody Seal Number: 499445 499459 499466 / 447 463 / 449 464 / 452 465

CHAIN OF CUSTODY RECORD

Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
[signature]	6/23/92 1600				
Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
Received by: (Signature)	Date / Time	Received for Laboratory by: (Signature)	Date / Time	Remarks Is custody seal intact? Y/N/none	
		VBatt	6/24/92 0830	RECV'D CKY31 1-VOA BROKEN UNABLE TO SAVE (SS) TAG# 3-1225210 @ 6/24/92 AIRBILL # 3957725505	

Split Samples: [ ] Accepted (Signature)

EPA Form 9110-2 (Rev. 5-91) Replaces EPA Form (2075-7), previous edition which may be used

DISTRIBUTION:

SAMPLE DATA PACKAGE

18347 CKY 14

015

COMPUCHEM LABORATORIES, INC.
P.O. Box 12652 3308 Chapel Hill/Nelson Highway Research Triangle Park, NC 27709 (919) 549-8263

ORIGINAL (Red)

SDG NARRATIVE SDG # CKY14
CASE # 18347
CONTRACT # 68D10083

SAMPLES: CKY14, CKY15, CKY16, CKY17, CKY18, CKY19, CKY20, CKY22, CKY23, CKY24, CKY25, CKY26

This portion of Case # 18347 consisted of twelve liquid samples for volatile, semivolatile, and pesticide analysis. They were received on 6/24/92 via Federal Express in properly sealed shipping containers with traffic reports. One volatile container of CKY16 was received broken.

VOLATILES:
All volatile fractions were analyzed within holding time requirements. Samples containing no target compounds above the CRQL were CKY15, CKY17, and CKY26. The remaining samples contained methylene chloride and/or acetone, which were also detected in the associated instrument blanks. All system monitoring compounds met recovery criteria. The matrix spike/matrix spike duplicate results were acceptable. The raw sample pH values are given on the attached pages.

SEMIVOLATILES:
All semivolatile fractions were extracted and analyzed within holding time requirements. None of the samples contained any target compounds above the CRQL. The recovery of D14-terphenyl exceeded QC limits in samples CKY18 and CKY20. All other production sample surrogates met recovery criteria. The matrix spike and blank spike met overall acceptance criteria. However, the matrix spike duplicate results failed both surrogate and spike recovery criteria due to an extraction error. Since this was not discovered until holding times had expired and since the other recoveries were acceptable, no reextractions were performed.

PESTICIDES:
All pesticide fractions were extracted and analyzed within holding time requirements. None of the samples contained any target compounds above the CRQL. All surrogate recoveries were acceptable. The matrix spike/matrix spike duplicate results were acceptable. Endrin ketone, which was detected in the spikes but not the original, was identified as a spike compound degradation product. All associated sequences met degradation criteria.

COMPUCHEM LABORATORIES, INC.

ORIGINAL (Red)

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package and in the computer-readable data submitted on floppy diskette has been authorized by the Laboratory Manager or his designee, as verified by the following signature.

Note: This report was paginated for reference and accountability in increasing numerical sequence.

Sarah A. Hubbard

Sarah A. Hubbard 7/13/92
Technical Reviewer

COMPUCHEM LABORATORIES, INC. P.O. Box 12652 3308 Chapel Hill/Nelson Highway Research Triangle Park, NC 27709 (919) 549-8263

ORIGINAL (Red)

SDG NARRATIVE -- CASE 18347
SDG NO. CKY28
Contract No. 68D10083
Compuchem Laboratories, Inc.

Samples: CKY28, CKY29, CKY30, CKY31, CKY32, CKY33, CKY34, CKY35, CKY36, CKY37, CKY38

Attached are pertinent Quality Assurance Notices dealing with the analysis of eleven (11) soil samples associated with Case 18347, SDG No. CKY28. With one exception, the samples were received intact on June 24, 1992 in properly sealed shipping containers with the corresponding chain-of-custody documents and traffic reports. For sample CKY31, one volatile container was received broken. The courier was Federal Express. The samples were logged into the Compuchem Laboratory Management system and scheduled for the analysis of the volatile, semi-volatile, and pesticide/PCB fractions. The percent moisture content values of the samples ranged from eight (8.0) to forty (40.0). The pH values of the samples ranged from 5.5 to 7.2, and were within the limits of 5.0 to 11.0 as specified by EPA protocols. This SDG narrative addresses the volatile and the semi-volatile fractions.

VOLATILES

The samples were prepared and analyzed within the proper holding time requirements. EPA target compound list (TCL) analytes methylene chloride and acetone were detected in all of the samples. Toluene was also detected in sample CKY28. The concentration of toluene in sample CKY28 was below the contract required quantitation limit (CRQL). Consequently, this analyte has been flagged with the 'J' qualifier on the organic analysis data sheets (OADS). Tentatively identified compounds (TICs) were detected in all of the samples ranging in number per sample from one (1) to two (2). The TICs detected in the samples were assessed as laboratory artifacts. A laboratory artifact is usually an early eluting peak believed to consist of water and various atmospheric gases. Quality assurance notices have been included with the data for the laboratory artifacts.

In the volatile fraction, recovery and RPD values met QC limits in the matrix spike, CKY32 MS, and the matrix spike duplicate, CKY32 MSD. In addition to the spiking compounds, methylene chloride and acetone were detected in the MS and the MSD. Methylene chloride and acetone were detected in all of the four associated volatile method blanks. Each of the blanks contained one (1) TIC. The TIC found in each of the method blanks was assessed as a laboratory artifact. System monitoring compound recovery values for the samples, the blanks, and the duplicate sample spikes passed contract required QC limits.

Results of the original sample, CKY32, and the MS did not agree favorably. Variations were observed in the number of extraneous

peaks. These variations can be attributed to the inhomogeneity of the soil matrix. We are reporting the data for the original sample and the MS with reference to the enclosed quality assurance notice.

SEMI-VOLATILES

Initially, all of the samples were extracted and analyzed within holding time limits. In the initial extraction of samples CKY28, CKY29, CKY31, CKY34, CKY35, CKY36, and CKY38, performed within holding time limits, surrogate recovery values did not meet QC criteria. The samples were re-extracted outside of holding time requirements. Although performed outside of holding time limits, extraction efficiency was improved and overall surrogate recovery criteria were met for these samples. Results were comparable between the two analyses for each of the samples. The data for the original analyses have been included in the non-deliverable section of the complete SDG file (CSF). We are reporting the data from the second extraction of these samples with reference to the enclosed quality assurance notice.

Samples CKY28, CKY31, and CKY36 did not contain any TCL compounds. TCL analytes were detected in the remaining samples ranging in number per sample from one (1) to twelve (12). These analytes included 4-methylphenol, phenanthrene, butylbenzylphthalate, pyrene, fluoranthene, bis(2-ethylhexyl)phthalate, 2-methylnaphthalene, benzo(a)anthracene, chrysene, benzo(a)pyrene, indeno(1,2,3-cd)pyrene, and benzo(b/k)fluoranthene. Benzo(b/k) fluoranthene coeluted in samples CKY29 and CKY38. Extracted ion current profiles (EICP) have been included with samples CKY29 and CKY38 where the fluoranthene isomers coeluted. TICs were detected in all of the samples ranging in number per sample from six (6) to twenty-six (26). Some of the TICs detected in the samples were assessed as blank contaminants and laboratory artifacts. Quality assurance notices have been included with the data for the samples where the laboratory artifacts were detected.

Extensive internal tests performed here at Compuchem indicated that a particular lot of methylene chloride contained several early eluting TICs. These TICs appeared in samples even though a pre-approval test performed on the new lot did not contain the TICs. Samples CKY28, CKY29, CKY30, CKY31, CKY32, CKY33, CKY34, CKY35, CKY36, CKY37, CKY38, and method blank SBLK21 were affected by this problem with the methylene chloride. The discovery of the contaminated methylene chloride was not made until after these samples and the method blank had been extracted. We have received a new lot of solvent which is contaminant free. We are reporting the data for these samples and the method blank with reference to the enclosed laboratory notices.

In the semi-volatile fraction, with one exception, recovery and RPD values met QC limits in the matrix spike, CKY32 MS, and the matrix spike duplicate, CKY32 MSD. Spiking compound 4-nitrophenol exceeded the QC limits. In addition to the spiking compounds,

COMPUCHEM LABORATORIES, INC.

ORIGINAL (Red)

butylbenzylphthalate was detected in the MS and the MSD. Benzo(b/k)fluoranthene coeluted in the MSD. Method blank SBLK06 did not contain any TCL compounds. Butylbenzylphthalate was detected below the CRQL in method blanks SBLK21 and SBLK48. There were three TICs detected in method blank SBLK06. Method blank SBLK21 contained six (6) TICs. In method blank SBLK48, five (5) TICs were detected.

Surrogate 2,4,6-tribromophenol failed QC limits in sample CKY32 and the duplicate sample spikes, CKY32MS/MSD. The unacceptable recoveries in the matrix spikes and the original sample have been attributed to the particular sample matrix rather than to deficiencies in the laboratory's analytical system. We are reporting the data for the original sample and the matrix spikes with reference to the enclosed quality assurance notice. In sample CKY34, 2-fluorobiphenyl failed QC limits. The remaining surrogate recovery values for the samples, the blanks, and the sample spikes passed contract required QC limits.

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package and in the computer-readable data submitted on floppy diskette has been authorized by the Laboratory Manager or his designee, as verified by the following signature:

Cynthia E. Edwards 07/17/92
Cynthia E. McCloud- Edwards
Technical Reviewer
July 10, 1992

Note: This report is paginated for reference and accountability.

COMPUCHEM LABORATORIES, INC. P.O. Box 12652 3308 Chapel Hill/Nelson Highway Research Triangle Park, NC 27709 (919) 549-8263

ORIGINAL (Red)

SDG NARRATIVE -- CASE 18347
SDG NO. CKY28
Contract No. 68D10083
CompuChem Laboratories, Inc.

Samples: CKY28, CKY29, CKY30, CKY31, CKY32, CKY33, CKY34, CKY35, CKY36, CKY37, CKY38

Pesticides/PCBs

The samples were extracted and analyzed within the proper holding time requirements. No TCL compounds were confirmed in the samples at concentrations above the CRQL. However, TCL compounds were confirmed in the samples at concentrations below the CRQL. These compounds included alpha-BHC, gamma-BHC, heptachlor, aldrin, heptachlor epoxide, endosulfan I, endosulfan II, dieldrin, endrin, 4,4'-DDD, 4,4'-DDE, 4,4'-DDT, methoxychlor, endosulfan sulfate, alpha-chlordane, gamma-chlordane, and endrin ketone. The "P" qualifier was applied to some of the compounds confirmed in these samples. The "P" flag was used to indicate that the differences between the detected concentrations for these compounds analyzed on the DB-608 column and the RTX-1701 column were greater that twenty-five (25) percent. TCL compound methoxychlor was confirmed in the method blank at a concentration below the CRQL.

Recovery and RPD values met QC limits in the matrix spike, CKY32MS, and the matrix spike duplicate, CKY32MSD.

The recovery of the tetrachloro-m-xylene surrogate for samples CKY30, CKY32, and CKY36 analyzed on the RTX-1701 column was below advisory QC limits.

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package and in the computer readable floppy diskette has been authorized by the Laboratory Manager or his designee, as verified by the following signature:

Jean M. Zimmerman
Technical Reviewer
July 16, 1992

Note: This report is paginated for reference and accountability.

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
ORIGINAL (Red)
CKY18MS

Lab Name: COMPUCHEM,RTP Contract: 68D10083

Lab Code: COMPU Case No.: 18347 SAS No.: _____ SDG No.: CKY14

Matrix: (soil/water) WATER Lab Sample ID: 499426

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: CN099426B56

Level: (low/med) LOW Date Received: 06/24/92

% Moisture: not dec. ____ Date Analyzed: 06/25/92

GC Column: DB624 ID: 0.530 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____(uL)

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	10	U
75-35-4	1,1-Dichloroethene	57	
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	10	U
71-55-6	1,1,1-Trichloroethane	10	U
56-23-5	Carbon Tetrachloride	10	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	54	
124-48-1	Dibromochloromethane	10	U
79-00-5	1,1,2-Trichloroethane	10	U
71-43-2	Benzene	55	
10061-02-6	Trans-1,3-Dichloropropene	10	U
75-25-2	Bromoform	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
108-88-3	Toluene	53	
108-90-7	Chlorobenzene	53	
100-41-4	Ethylbenzene	10	U
100-42-5	Styrene	10	U
1330-20-7	Xylene (total)	10	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

ORIGINAL (RED)
CKY18MSD

Lab Name: COMPUCHEM, RTP Contract: 68D10083

Lab Code: COMPU Case No.: 18347 SAS No.: _____ SDG No.: CKY14

Matrix: (soil/water) WATER Lab Sample ID: 499427

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: CN099427B56

Level: (low/med) LOW Date Received: 06/24/92

% Moisture: not dec. ____ Date Analyzed: 06/25/92

GC Column: DB624 ID: 0.530 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____(uL)

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	BJ
67-64-1	Acetone	11	B
75-15-0	Carbon Disulfide	10	U
75-35-4	1,1-Dichloroethene	56	
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	10	U
71-55-6	1,1,1-Trichloroethane	10	U
56-23-5	Carbon Tetrachloride	10	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	56	
124-48-1	Dibromochloromethane	10	U
79-00-5	1,1,2-Trichloroethane	10	U
71-43-2	Benzene	57	
10061-02-6	Trans-1,3-Dichloropropene	10	U
75-25-2	Bromoform	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
108-88-3	Toluene	55	
108-90-7	Chlorobenzene	55	
100-41-4	Ethylbenzene	10	U
100-42-5	Styrene	10	U
1330-20-7	Xylene (total)	10	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CKY32MS

Lab Name: COMPUCHEM,RTP Contract: 68D10083

Lab Code: COMPU Case No.: 18347 SAS No.: _____ SDG No.: CKY28

Matrix: (soil/water) SOIL Lab Sample ID: 499453

Sample wt/vol: 5.0 (g/mL) G Lab File ID: G2R99453A54

Level: (low/med) LOW Date Received: 06/24/92

% Moisture: not dec. 18 Date Analyzed: 06/26/92

GC Column: DB-624 ID: 0.530 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	12	U
74-83-9	Bromomethane	12	U
75-01-4	Vinyl Chloride	12	U
75-00-3	Chloroethane	12	U
75-09-2	Methylene Chloride	32	B
67-64-1	Acetone	29	B
75-15-0	Carbon Disulfide	12	U
75-35-4	1,1-Dichloroethene	71	
75-34-3	1,1-Dichloroethane	12	U
540-59-0	1,2-Dichloroethene (total)	12	U
67-66-3	Chloroform	12	U
107-06-2	1,2-Dichloroethane	12	U
78-93-3	2-Butanone	12	U
71-55-6	1,1,1-Trichloroethane	12	U
56-23-5	Carbon Tetrachloride	12	U
75-27-4	Bromodichloromethane	12	U
78-87-5	1,2-Dichloropropane	12	U
10061-01-5	cis-1,3-Dichloropropene	12	U
79-01-6	Trichloroethene	64	
124-48-1	Dibromochloromethane	12	U
79-00-5	1,1,2-Trichloroethane	12	U
71-43-2	Benzene	70	
10061-02-6	Trans-1,3-Dichloropropene	12	U
75-25-2	Bromoform	12	U
108-10-1	4-Methyl-2-Pentanone	12	U
591-78-6	2-Hexanone	12	U
127-18-4	Tetrachloroethene	12	U
79-34-5	1,1,2,2-Tetrachloroethane	12	U
108-88-3	Toluene	69	
108-90-7	Chlorobenzene	65	
100-41-4	Ethylbenzene	12	U
100-42-5	Styrene	12	U
1330-20-7	Xylene (total)	12	U

SAMPLE DATA PACKAGE

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

ORIGINAL (Red)

EPA SAMPLE NO.

CKY32MSD

Lab Name: COMPUCHEM,RTP Contract: 68D10083

Lab Code: COMPU Case No.: 18347 SAS No.: _____ SDG No.: CKY28

Matrix: (soil/water) SOIL Lab Sample ID: 499454

Sample wt/vol: 5.0 (g/mL) G Lab File ID: GR099454A54

Level: (low/med) LOW Date Received: 06/24/92

% Moisture: not dec. 18 Date Analyzed: 06/25/92

GC Column: DB-624 ID: 0.530 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____(uL)

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

CAS NO.	COMPOUND		Q
74-87-3	Chloromethane	12	U
74-83-9	Bromomethane	12	U
75-01-4	Vinyl Chloride	12	U
75-00-3	Chloroethane	12	U
75-09-2	Methylene Chloride	38	B
67-64-1	Acetone	30	B
75-15-0	Carbon Disulfide	12	U
75-35-4	1,1-Dichloroethene	82	
75-34-3	1,1-Dichloroethane	12	U
540-59-0	1,2-Dichloroethene (total)	12	U
67-66-3	Chloroform	12	U
107-06-2	1,2-Dichloroethane	12	U
78-93-3	2-Butanone	12	U
71-55-6	1,1,1-Trichloroethane	12	U
56-23-5	Carbon Tetrachloride	12	U
75-27-4	Bromodichloromethane	12	U
78-87-5	1,2-Dichloropropane	12	U
10061-01-5	cis-1,3-Dichloropropene	12	U
79-01-6	Trichloroethene	74	
124-48-1	Dibromochloromethane	12	U
79-00-5	1,1,2-Trichloroethane	12	U
71-43-2	Benzene	80	
10061-02-6	Trans-1,3-Dichloropropene	12	U
75-25-2	Bromoform	12	U
108-10-1	4-Methyl-2-Pentanone	12	U
591-78-6	2-Hexanone	12	U
127-18-4	Tetrachloroethene	12	U
79-34-5	1,1,2,2-Tetrachloroethane	12	U
108-88-3	Toluene	79	
108-90-7	Chlorobenzene	78	
100-41-4	Ethylbenzene	12	U
100-42-5	Styrene	12	U
1330-20-7	Xylene (total)	12	U

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

ORIGINAL (Red) CKY18MS

Lab Name: COMPUCHEM,RTP Contract: 68D10083

Lab Code: COMPU Case No.: 18347 SAS No.: _____ SDG No.: CKY14

Matrix: (soil/water) WATER Lab Sample ID: 499429

Sample wt/vol: 500 (g/mL) ML Lab File ID: GH099429B02

Level: (low/med) LOW Date Received: 06/24/92

% Moisture: _____ decanted: (Y/N) ___ Date Extracted: 06/26/92

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 06/29/92

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	49	B
111-44-4	bis(2-Chloroethyl)Ether	10	U
95-57-8	2-Chlorophenol	49	
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	26	
95-50-1	1,2-Dichlorobenzene	10	U
95-48-7	2-Methylphenol	10	U
108-60-1	2,2'-Oxybis(1-Chloropropane)	10	U
106-44-5	4-Methylphenol	10	U
621-64-7	N-Nitroso-Di-n-Propylamine	29	
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
111-91-1	bis(2-Chloroethoxy)Methane	10	U
120-83-2	2,4-Dichlorophenol	10	U
120-82-1	1,2,4-Trichlorobenzene	28	
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
59-50-7	4-Chloro-3-Methylphenol	52	
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	25	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	25	U
131-11-3	Dimethyl Phthalate	10	U
208-96-8	Acenaphthylene	10	U
606-20-2	2,6-Dinitrotoluene	10	U
99-09-2	3-Nitroaniline	25	U
83-32-9	Acenaphthene	31	

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

ORIGINAL (Red)

CKY18MS

Lab Name: COMPUCHEM,RTP Contract: 68D10083

Lab Code: COMPU Case No.: 18347 SAS No.: _____ SDG No.: CKY14

Matrix: (soil/water) WATER Lab Sample ID: 499429

Sample wt/vol: 500 (g/mL) ML Lab File ID: GH099429B02

Level: (low/med) LOW Date Received: 06/24/92

% Moisture: _____ decanted: (Y/N) ___ Date Extracted: 06/26/92

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 06/29/92

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
51-28-5	2,4-Dinitrophenol	25	U
100-02-7	4-Nitrophenol	48	
132-64-9	Dibenzofuran	10	U
121-14-2	2,4-Dinitrotoluene	31	
84-66-2	Diethylphthalate	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
86-73-7	Fluorene	10	U
100-01-6	4-Nitroaniline	25	U
534-52-1	4,6-Dinitro-2-Methylphenol	25	U
86-30-6	N-Nitrosodiphenylamine (1)	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
87-86-5	Pentachlorophenol	46	
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
86-74-8	Carbazole	10	U
84-74-2	Di-n-Butylphthalate	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	44	
85-68-7	Butylbenzylphthalate	10	U
91-94-1	3,3'-Dichlorobenzidine	10	U
56-55-3	Benzo(a)Anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	bis(2-Ethylhexyl)Phthalate	2	BJ
117-84-0	Di-n-Octyl Phthalate	10	U
205-99-2	Benzo(b)Fluoranthene	10	U
207-08-9	Benzo(k)Fluoranthene	10	U
50-32-8	Benzo(a)Pyrene	10	U
193-39-5	Indeno(1,2,3-cd)Pyrene	10	U
53-70-3	Dibenz(a,h)Anthracene	10	U
191-24-2	Benzo(g,h,i)Perylene	10	U

(1) - Cannot be separated from Diphenylamine

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

ORIGINAL (Rad)

CKY18MSD

Lab Name: COMPUCHEM,RTP Contract: 68D10083

Lab Code: COMPU Case No.: 18347 SAS No.: _____ SDG No.: CKY14

Matrix: (soil/water) WATER Lab Sample ID: 499430

Sample wt/vol: 500 (g/mL) ML Lab File ID: GH099430B02

Level: (low/med) LOW Date Received: 06/24/92

% Moisture: _____ decanted: (Y/N) ___ Date Extracted: 06/26/92

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 06/29/92

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ____

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

CAS NO.	COMPOUND		Q
108-95-2	Phenol	2	BJ
111-44-4	bis(2-Chloroethyl)Ether	10	U
95-57-8	2-Chlorophenol	1	J
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
95-48-7	2-Methylphenol	10	U
108-60-1	2,2'-Oxybis(1-Chloropropane)	10	U
106-44-5	4-Methylphenol	10	U
621-64-7	N-Nitroso-Di-n-Propylamine	10	U
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
111-91-1	bis(2-Chloroethoxy)Methane	10	U
120-83-2	2,4-Dichlorophenol	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
59-50-7	4-Chloro-3-Methylphenol	1	J
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	25	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	25	U
131-11-3	Dimethyl Phthalate	10	U
208-96-8	Acenaphthylene	10	U
606-20-2	2,6-Dinitrotoluene	10	U
99-09-2	3-Nitroaniline	25	U
83-32-9	Acenaphthene	10	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

ORIGINAL (Red)

EPA SAMPLE NO.

CKY18MSD

Lab Name: COMPUCHEM,RTP Contract: 68D10083

Lab Code: COMPU Case No.: 18347 SAS No.: _____ SDG No.: CKY14

Matrix: (soil/water) WATER Lab Sample ID: 499430

Sample wt/vol: 500 (g/mL) ML Lab File ID: GH099430B02

Level: (low/med) LOW Date Received: 06/24/92

% Moisture: _____ decanted: (Y/N) ___ Date Extracted: 06/26/92

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 06/29/92

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ____

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
51-28-5	2,4-Dinitrophenol	25	U
100-02-7	4-Nitrophenol	2	J
132-64-9	Dibenzofuran	10	U
121-14-2	2,4-Dinitrotoluene	10	U
84-66-2	Diethylphthalate	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
86-73-7	Fluorene	10	U
100-01-6	4-Nitroaniline	25	U
534-52-1	4,6-Dinitro-2-Methylphenol	25	U
86-30-6	N-Nitrosodiphenylamine (1)	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
87-86-5	Pentachlorophenol	1	J
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
86-74-8	Carbazole	10	U
84-74-2	Di-n-Butylphthalate	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	1	J
85-68-7	Butylbenzylphthalate	5	BJ
91-94-1	3,3'-Dichlorobenzidine	10	U
56-55-3	Benzo(a)Anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	bis(2-Ethylhexyl)Phthalate	18	B
117-84-0	Di-n-Octyl Phthalate	10	U
205-99-2	Benzo(b)Fluoranthene	10	U
207-08-9	Benzo(k)Fluoranthene	10	U
50-32-8	Benzo(a)Pyrene	10	U
193-39-5	Indeno(1,2,3-cd)Pyrene	10	U
53-70-3	Dibenz(a,h)Anthracene	10	U
191-24-2	Benzo(g,h,i)Perylene	10	U

(1) - Cannot be separated from Diphenylamine

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

ORIGINAL (RS)
CKY32

Lab Name: COMPUCHEM,RTP Contract: 68D10083

Lab Code: COMPU Case No.: 18347 SAS No.: _____ SDG No.: CKY28

Matrix: (soil/water) SOIL Lab Sample ID: 499456

Sample wt/vol: 30.0 (g/mL) G Lab File ID: GH099456A15

Level: (low/med) LOW Date Received: 06/24/92

% Moisture: 18 decanted: (Y/N) N Date Extracted: 06/26/92

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 07/01/92

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 6.5

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	2000	
111-44-4	bis(2-Chloroethyl)Ether	400	U
95-57-8	2-Chlorophenol	1700	
541-73-1	1,3-Dichlorobenzene	400	U
106-46-7	1,4-Dichlorobenzene	1600	
95-50-1	1,2-Dichlorobenzene	400	U
95-48-7	2-Methylphenol	400	U
108-60-1	2,2'-Oxybis(1-Chloropropane)	400	U
106-44-5	4-Methylphenol	400	U
621-64-7	N-Nitroso-Di-n-Propylamine	1400	
67-72-1	Hexachloroethane	400	U
98-95-3	Nitrobenzene	400	U
78-59-1	Isophorone	400	U
88-75-5	2-Nitrophenol	400	U
105-67-9	2,4-Dimethylphenol	400	U
111-91-1	bis(2-Chloroethoxy)Methane	400	U
120-83-2	2,4-Dichlorophenol	400	U
120-82-1	1,2,4-Trichlorobenzene	1500	
91-20-3	Naphthalene	400	U
106-47-8	4-Chloroaniline	400	U
87-68-3	Hexachlorobutadiene	400	U
59-50-7	4-Chloro-3-Methylphenol	1600	
91-57-6	2-Methylnaphthalene	400	U
77-47-4	Hexachlorocyclopentadiene	400	U
88-06-2	2,4,6-Trichlorophenol	400	U
95-95-4	2,4,5-Trichlorophenol	980	U
91-58-7	2-Chloronaphthalene	400	U
88-74-4	2-Nitroaniline	980	U
131-11-3	Dimethyl Phthalate	400	U
208-96-8	Acenaphthylene	400	U
606-20-2	2,6-Dinitrotoluene	400	U
99-09-2	3-Nitroaniline	980	U
83-32-9	Acenaphthene	1500	

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

ORIGINAL

CKY32MS

Lab Name: COMPUCHEM,RTP Contract: 68D10083

Lab Code: COMPU Case No.: 18347 SAS No.: _____ SDG No.: CKY28

Matrix: (soil/water) SOIL Lab Sample ID: 499456

Sample wt/vol: 30.0 (g/mL) G Lab File ID: GH099456A15

Level: (low/med) LOW Date Received: 06/24/92

% Moisture: 18 decanted: (Y/N) N Date Extracted: 06/26/92

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 07/01/92

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 6.5

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	980	U
100-02-7	4-Nitrophenol	3400	
132-64-9	Dibenzofuran	400	U
121-14-2	2,4-Dinitrotoluene	1700	
84-66-2	Diethylphthalate	400	U
7005-72-3	4-Chlorophenyl-phenylether	400	U
86-73-7	Fluorene	400	U
100-01-6	4-Nitroaniline	980	U
534-52-1	4,6-Dinitro-2-Methylphenol	980	U
86-30-6	N-Nitrosodiphenylamine (1)	400	U
101-55-3	4-Bromophenyl-phenylether	400	U
118-74-1	Hexachlorobenzene	400	U
87-86-5	Pentachlorophenol	1500	
85-01-8	Phenanthrene	400	U
120-12-7	Anthracene	400	U
86-74-8	Carbazole	400	U
84-74-2	Di-n-Butylphthalate	400	U
206-44-0	Fluoranthene	400	U
129-00-0	Pyrene	1400	
85-68-7	Butylbenzylphthalate	160	BJ
91-94-1	3,3'-Dichlorobenzidine	400	U
56-55-3	Benzo(a)Anthracene	400	U
218-01-9	Chrysene	400	U
117-81-7	bis(2-Ethylhexyl)Phthalate	400	U
117-84-0	Di-n-Octyl Phthalate	400	U
205-99-2	Benzo(b)Fluoranthene	400	U
207-08-9	Benzo(k)Fluoranthene	400	U
50-32-8	Benzo(a)Pyrene	400	U
193-39-5	Indeno(1,2,3-cd)Pyrene	400	U
53-70-3	Dibenz(a,h)Anthracene	400	U
191-24-2	Benzo(g,h,i)Perylene	400	U

(1) - Cannot be separated from Diphenylamine

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CKY32MSD (ORIGINAL med)

Lab Name: COMPUCHEM,RTP Contract: 68D10083

Lab Code: COMPU Case No.: 18347 SAS No.: _____ SDG No.: CKY28

Matrix: (soil/water) SOIL Lab Sample ID: 499457

Sample wt/vol: 30.0 (g/mL) G Lab File ID: GH099457A15

Level: (low/med) LOW Date Received: 06/24/92

% Moisture: 18 decanted: (Y/N) N Date Extracted: 06/26/92

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 07/01/92

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 6.5

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	2000	
111-44-4	bis(2-Chloroethyl)Ether	400	U
95-57-8	2-Chlorophenol	1700	
541-73-1	1,3-Dichlorobenzene	400	U
106-46-7	1,4-Dichlorobenzene	1500	
95-50-1	1,2-Dichlorobenzene	400	U
95-48-7	2-Methylphenol	400	U
108-60-1	2,2'-Oxybis(1-Chloropropane)	400	U
106-44-5	4-Methylphenol	400	U
621-64-7	N-Nitroso-Di-n-Propylamine	1500	
67-72-1	Hexachloroethane	400	U
98-95-3	Nitrobenzene	400	U
78-59-1	Isophorone	400	U
88-75-5	2-Nitrophenol	400	U
105-67-9	2,4-Dimethylphenol	400	U
111-91-1	bis(2-Chloroethoxy)Methane	400	U
120-83-2	2,4-Dichlorophenol	400	U
120-82-1	1,2,4-Trichlorobenzene	1500	
91-20-3	Naphthalene	400	U
106-47-8	4-Chloroaniline	400	U
87-68-3	Hexachlorobutadiene	400	U
59-50-7	4-Chloro-3-Methylphenol	1700	
91-57-6	2-Methylnaphthalene	400	U
77-47-4	Hexachlorocyclopentadiene	400	U
88-06-2	2,4,6-Trichlorophenol	400	U
95-95-4	2,4,5-Trichlorophenol	980	U
91-58-7	2-Chloronaphthalene	400	U
88-74-4	2-Nitroaniline	980	U
131-11-3	Dimethyl Phthalate	400	U
208-96-8	Acenaphthylene	400	U
606-20-2	2,6-Dinitrotoluene	400	U
99-09-2	3-Nitroaniline	980	U
83-32-9	Acenaphthene	1600	

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
ORIGINAL (Red)
CKY32MSD

Lab Name: COMPUCHEM,RTP Contract: 68D10083

Lab Code: COMPU Case No.: 18347 SAS No.: _____ SDG No.: CKY28

Matrix: (soil/water) SOIL Lab Sample ID: 499457

Sample wt/vol: 30.0 (g/mL) G Lab File ID: GH099457A15

Level: (low/med) LOW Date Received: 06/24/92

% Moisture: 18 decanted: (Y/N) N Date Extracted: 06/26/92

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 07/01/92

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 6.5

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	980	U
100-02-7	4-Nitrophenol	3600	
132-64-9	Dibenzofuran	400	U
121-14-2	2,4-Dinitrotoluene	1800	
84-66-2	Diethylphthalate	400	U
7005-72-3	4-Chlorophenyl-phenylether	400	U
86-73-7	Fluorene	400	U
100-01-6	4-Nitroaniline	980	U
534-52-1	4,6-Dinitro-2-Methylphenol	980	U
86-30-6	N-Nitrosodiphenylamine (1)	400	U
101-55-3	4-Bromophenyl-phenylether	400	U
118-74-1	Hexachlorobenzene	400	U
87-86-5	Pentachlorophenol	1500	
85-01-8	Phenanthrene	400	U
120-12-7	Anthracene	400	U
86-74-8	Carbazole	400	U
84-74-2	Di-n-Butylphthalate	400	U
206-44-0	Fluoranthene	400	U
129-00-0	Pyrene	1500	
85-68-7	Butylbenzylphthalate	150	BJ
91-94-1	3,3'-Dichlorobenzidine	400	U
56-55-3	Benzo(a)Anthracene	400	U
218-01-9	Chrysene	400	U
117-81-7	bis(2-Ethylhexyl)Phthalate	400	U
117-84-0	Di-n-Octyl Phthalate	400	U
205-99-2	Benzo(b)Fluoranthene	48	JX
207-08-9	Benzo(k)Fluoranthene	48	JX
50-32-8	Benzo(a)Pyrene	400	U
193-39-5	Indeno(1,2,3-cd)Pyrene	400	U
53-70-3	Dibenz(a,h)Anthracene	400	U
191-24-2	Benzo(g,h,i)Perylene	400	U

(1) - Cannot be separated from Diphenylamine

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
ORIGINAL (Red)
CKY18MS

Lab Name: COMPUCHEM,RTP Contract: 68D10083

Lab Code: COMPU Case No.: 18347 SAS No.: SDG No.: CKY14

Matrix: (soil/water) WATER Lab Sample ID: 499432

Sample wt/vol: 500 (g/ml) ML Lab File ID:

% Moisture: decanted: (Y/N) Date Received: 06/24/92

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 06/26/92

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 06/30/92

Injection Volume: 2.0 (uL) Dilution Factor: 1

GPC Cleanup: (Y/N) N pH: Sulfur Cleanup: (Y/N) N

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)	0.44	
76-44-8	Heptachlor	0.40	
309-00-2	Aldrin	0.39	
1024-57-3	Heptachlor epoxide	0.050	U
959-98-8	Endosulfan I	0.050	U
60-57-1	Dieldrin	0.76	
72-55-9	4,4'-DDE	0.10	U
72-20-8	Endrin	0.88	
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	0.92	
72-43-5	Methoxychlor	0.017	JP
53494-70-5	Endrin ketone	0.0099	J
7421-93-4	Endrin aldehyde	0.10	U
5103-71-9	alpha-Chlordane	0.050	U
5103-74-2	gamma-Chlordane	0.050	U
8001-35-2	Toxaphene	5.0	U
12674-11-2	Aroclor-1016	1.0	U
11104-28-2	Aroclor-1221	2.0	U
11141-16-5	Aroclor-1232	1.0	U
53469-21-9	Aroclor-1242	1.0	U
12672-29-6	Aroclor-1248	1.0	U
11097-69-1	Aroclor-1254	1.0	U
11096-82-5	Aroclor-1260	1.0	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
ORIGINAL (Red)
CKY18MSD

Lab Name: COMPUCHEM,RTP Contract: 68D10083

Lab Code: COMPU Case No.: 18347 SAS No.: SDG No.: CKY14

Matrix: (soil/water) WATER Lab Sample ID: 499433

Sample wt/vol: 500 (g/ml) ML Lab File ID:

% Moisture: decanted: (Y/N) Date Received: 06/24/92

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 06/26/92

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 06/30/92

Injection Volume: 2.0 (uL) Dilution Factor: 1

GPC Cleanup: (Y/N) N pH: Sulfur Cleanup: (Y/N) N

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)	0.41	
76-44-8	Heptachlor	0.38	
309-00-2	Aldrin	0.37	
1024-57-3	Heptachlor epoxide	0.050	U
959-98-8	Endosulfan I	0.050	U
60-57-1	Dieldrin	0.72	
72-55-9	4,4'-DDE	0.10	U
72-20-8	Endrin	0.84	
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	0.88	
72-43-5	Methoxychlor	0.013	JP
53494-70-5	Endrin ketone	0.0074	J
7421-93-4	Endrin aldehyde	0.10	U
5103-71-9	alpha-Chlordane	0.050	U
5103-74-2	gamma-Chlordane	0.050	U
8001-35-2	Toxaphene	5.0	U
12674-11-2	Aroclor-1016	1.0	U
11104-28-2	Aroclor-1221	2.0	U
11141-16-5	Aroclor-1232	1.0	U
53469-21-9	Aroclor-1242	1.0	U
12672-29-6	Aroclor-1248	1.0	U
11097-69-1	Aroclor-1254	1.0	U
11096-82-5	Aroclor-1260	1.0	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CKY32MS

Lab Name: COMPUCHEM,RTP Contract: 68D10083

Lab Code: COMPU Case No.: 18347 SAS No.: SDG No.: CKY28

Matrix: (soil/water) SOIL Lab Sample ID: 499460

Sample wt/vol: 30.00 (g/ml) G Lab File ID:

% Moisture: 18 decanted: (Y/N) N Date Received: 06/24/92

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 06/26/92

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 07/06/92

Injection Volume: 2.0 (uL) Dilution Factor: 1

GPC Cleanup: (Y/N) Y pH: 6.5 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	2.1	U
319-85-7	beta-BHC	2.1	U
319-86-8	delta-BHC	0.093	JP
58-89-9	gamma-BHC (Lindane)	13	
76-44-8	Heptachlor	11	
309-00-2	Aldrin	12	
1024-57-3	Heptachlor epoxide	0.21	J
959-98-8	Endosulfan I	2.1	U
60-57-1	Dieldrin	25	
72-55-9	4,4'-DDE	4.0	U
72-20-8	Endrin	27	
33213-65-9	Endosulfan II	4.0	U
72-54-8	4,4'-DDD	4.0	U
1031-07-8	Endosulfan sulfate	4.0	U
50-29-3	4,4'-DDT	25	P
72-43-5	Methoxychlor	21	U
53494-70-5	Endrin ketone	4.0	U
7421-93-4	Endrin aldehyde	4.0	U
5103-71-9	alpha-Chlordane	2.1	U
5103-74-2	gamma-Chlordane	2.1	U
8001-35-2	Toxaphene	210	U
12674-11-2	Aroclor-1016	40	U
11104-28-2	Aroclor-1221	82	U
11141-16-5	Aroclor-1232	40	U
53469-21-9	Aroclor-1242	40	U
12672-29-6	Aroclor-1248	40	U
11097-69-1	Aroclor-1254	40	U
11096-82-5	Aroclor-1260	40	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CKY32MSD

Lab Name: COMPUCHEM,RTP Contract: 68D10083

Lab Code: COMPU Case No.: 18347 SAS No.: SDG No.: CKY28

Matrix: (soil/water) SOIL Lab Sample ID: 499461

Sample wt/vol: 30.00 (g/ml) G Lab File ID:

% Moisture: 18 decanted: (Y/N) N Date Received: 06/24/92

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 06/26/92

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 07/06/92

Injection Volume: 2.0 (uL) Dilution Factor: 1

GPC Cleanup: (Y/N) Y pH: 6.5 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	2.1	U
319-85-7	beta-BHC	2.1	U
319-86-8	delta-BHC	0.22	JP
58-89-9	gamma-BHC (Lindane)	13	
76-44-8	Heptachlor	12	
309-00-2	Aldrin	13	
1024-57-3	Heptachlor epoxide	2.1	U
959-98-8	Endosulfan I	2.1	U
60-57-1	Dieldrin	27	
72-55-9	4,4'-DDE	4.0	U
72-20-8	Endrin	28	
33213-65-9	Endosulfan II	4.0	U
72-54-8	4,4'-DDD	4.0	U
1031-07-8	Endosulfan sulfate	4.0	U
50-29-3	4,4'-DDT	26	
72-43-5	Methoxychlor	21	U
53494-70-5	Endrin ketone	1.2	J
7421-93-4	Endrin aldehyde	4.0	U
5103-71-9	alpha-Chlordane	2.1	U
5103-74-2	gamma-Chlordane	2.1	U
8001-35-2	Toxaphene	210	U
12674-11-2	Aroclor-1016	40	U
11104-28-2	Aroclor-1221	82	U
11141-16-5	Aroclor-1232	40	U
53469-21-9	Aroclor-1242	40	U
12672-29-6	Aroclor-1248	40	U
11097-69-1	Aroclor-1254	40	U
11096-82-5	Aroclor-1260	40	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

ORIGINAL (Red)

VBLKC7

Lab Name: COMPUCHEM,RTP Contract: 68D10083

Lab Code: COMPU Case No.: 18347 SAS No.: _____ SDG No.: CKY28

Matrix: (soil/water) SOIL Lab Sample ID: VBLKC7

Sample wt/vol: 5.0 (g/mL) G Lab File ID: GH099517B54

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. ____ Date Analyzed: 06/24/92

GC Column: DB-624 ID: 0.530 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	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	
67-64-1	Acetone	28	
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	10	U
71-55-6	1,1,1-Trichloroethane	10	U
56-23-5	Carbon Tetrachloride	10	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	10	U
591-78-6	2-Hexanone	10	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

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.
(Rep)
VBLKC7

Lab Name: COMPUCHEM,RTP Contract: 68D10083

Lab Code: COMPU Case No.: 18347 SAS No.: _____ SDG No.: CKY28

Matrix: (soil/water) SOIL Lab Sample ID: VBLKC7

Sample wt/vol: 5.0 (g/mL) G Lab File ID: GH099517B54

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 06/24/92

GC Column: DB-624 ID: 0.530 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

Number TICs found: 1

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
~~1.~~	~~LABORATORY ARTIFACT~~	~~2.18~~	~~36~~	~~J~~ HP 9/25/9

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

ORIGINAL (Red)

VBLKC8

Lab Name: COMPUCHEM,RTP Contract: 68D10083

Lab Code: COMPU Case No.: 18347 SAS No.: _____ SDG No.: CKY28

Matrix: (soil/water) SOIL Lab Sample ID: VBLKC8

Sample wt/vol: 5.0 (g/mL) G Lab File ID: GH099518C54

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. ____ Date Analyzed: 06/25/92

GC Column: DB-624 ID: 0.530 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	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	30	
67-64-1	Acetone	31	
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	10	U
71-55-6	1,1,1-Trichloroethane	10	U
56-23-5	Carbon Tetrachloride	10	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	10	U
591-78-6	2-Hexanone	10	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

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.
ORIGINAL (Red)
VBLKC8

Lab Name: COMPUCHEM,RTP Contract: 68D10083

Lab Code: COMPU Case No.: 18347 SAS No.: _____ SDG No.: CKY28

Matrix: (soil/water) SOIL Lab Sample ID: VBLKC8

Sample wt/vol: 5.0 (g/mL) ~~G~~ Lab File ID: GH099518C54

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 06/25/92

Column: DB-624 ID: 0.530 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____(uL)

Number TICs found: 1

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
~~1.~~	~~LABORATORY ARTIFACT~~	~~2.20~~	~~28~~	~~BJ~~ 28

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

ORIGINAL (Red)

VBLKKX

Lab Name: COMPUCHEM,RTP Contract: 68D10083

Lab Code: COMPU Case No.: 18347 SAS No.: _____ SDG No.: CKY14

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

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: CB920624A56

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. ____ Date Analyzed: 06/24/92

GC Column: DB624 ID: 0.530 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____(uL)

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	3	J
67-64-1	Acetone	13	
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	10	U
71-55-6	1,1,1-Trichloroethane	10	U
56-23-5	Carbon Tetrachloride	10	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	10	U
591-78-6	2-Hexanone	10	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

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

ORIGINAL (Med)

VBLKKX

Lab Name: COMPUCHEM,RTP Contract: 68D10083

Lab Code: COMPU Case No.: 18347 SAS No.: _____ SDG No.: CKY14

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

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: CB920624A56

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. ____ Date Analyzed: 06/24/92

GC Column: DB624 ID: 0.530 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____(uL)

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.

VBLKKA

Lab Name: COMPUCHEM,RTP Contract: 68D10083

Lab Code: COMPU Case No.: 18347 SAS No.: _____ SDG No.: CKY14

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

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: CD920625A56

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. ____ Date Analyzed: 06/25/92

G Column: DB624 ID: 0.530 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____(uL)

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	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	10	U
71-55-6	1,1,1-Trichloroethane	10	U
56-23-5	Carbon Tetrachloride	10	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	10	U
591-78-6	2-Hexanone	10	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

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.
ORIGINAL (Red)
VBLKKA

Lab Name: COMPUCHEM,RTP Contract: 68D10083

Lab Code: COMPU Case No.: 18347 SAS No.: _____ SDG No.: CKY14

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

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: CD920625A56

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. ____ Date Analyzed: 06/25/92

GC Column: DB624 ID: 0.530 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____(uL)

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.

VBLKVT ORIGINAL (Red)

Lab Name: COMPUCHEM,RTP Contract: 68D10083

Lab Code: COMPU Case No.: 18347 SAS No.: _____ SDG No.: CKY14

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

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: CB920625B56

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. ____ Date Analyzed: 06/25/92

GC Column: DB624 ID: 0.530 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____(uL)

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	8	J
67-64-1	Acetone	5	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	10	U
71-55-6	1,1,1-Trichloroethane	10	U
56-23-5	Carbon Tetrachloride	10	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	10	U
591-78-6	2-Hexanone	10	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

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.
ORIGINAL (Red)
VBLKVT

Lab Name: COMPUCHEM,RTP Contract: 68D10083

Lab Code: COMPU Case No.: 18347 SAS No.: _____ SDG No.: CKY14

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

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: CB920625B56

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 06/25/92

GC Column: DB624 ID: 0.530 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____(uL)

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.

VBLKD3

Lab Name: COMPUCHEM,RTP Contract: 68D10083

Lab Code: COMPU Case No.: 18347 SAS No.: _____ SDG No.: CKY28

Matrix: (soil/water) SOIL Lab Sample ID: VBLKD3

Sample wt/vol: 5.0 (g/mL) G Lab File ID: GH099662A54

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. ____ Date Analyzed: 06/25/92

GC Column: DB-624 ID: 0.530 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	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	30	
67-64-1	Acetone	21	
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	10	U
71-55-6	1,1,1-Trichloroethane	10	U
56-23-5	Carbon Tetrachloride	10	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	10	U
591-78-6	2-Hexanone	10	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

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

VBLKD3 ORIGINAL (Red)

Lab Name: COMPUCHEM,RTP Contract: 68D10083

Lab Code: COMPU Case No.: 18347 SAS No.: _____ SDG No.: CKY28

Matrix: (soil/water) SOIL Lab Sample ID: VBLKD3

Sample wt/vol: 5.0 (g/mL) G Lab File ID: GH099662A54

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 06/25/92

GC Column: DB-624 ID: 0.530 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

Number TICs found: 1

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
~~1.~~	~~LABORATORY ARTIFACT~~	~~2.17~~	~~20~~	J 7/28/92

ORIGINAL (Red)

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLKD9

Lab Name: COMPUCHEM,RTP Contract: 68D10083

Lab Code: COMPU Case No.: 18347 SAS No.: _____ SDG No.: CKY28

Matrix: (soil/water) SOIL Lab Sample ID: VBLKD9

Sample wt/vol: 5.0 (g/mL) G Lab File ID: GH099886A54

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 06/26/92

GC Column: DB-624 ID: 0.530 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	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	23	
67-64-1	Acetone	18	
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	10	U
71-55-6	1,1,1-Trichloroethane	10	U
56-23-5	Carbon Tetrachloride	10	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	10	U
591-78-6	2-Hexanone	10	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

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.
ORIGINAL (red)
VBLKD9

Lab Name: COMPUCHEM,RTP Contract: 68D10083

Lab Code: COMPU Case No.: 18347 SAS No.: _____ SDG No.: CKY28

Matrix: (soil/water) SOIL Lab Sample ID: VBLKD9

Sample wt/vol: 5.0 (g/mL) G Lab File ID: GH099886A54

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 06/26/92

GC Column: DB-624 ID: 0.530 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____(uL)

Number TICs found: 1

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
~~1.~~	~~LABORATORY ARTIFACT~~	~~2.15~~	~~19~~	~~J~~ HB 9/25/92

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

ORIGINAL (Red)

EPA SAMPLE NO.

SBLK13

Lab Name: COMPUCHEM,RTP Contract: 68D10083

Lab Code: COMPU Case No.: 18347 SAS No.: _____ SDG No.: CKY14

Matrix: (soil/water) WATER Lab Sample ID: SBLK13

Sample wt/vol: 1000 (g/mL) ML Lab File ID: GH099898A07

Level: (low/med) LOW Date Received: _____

% Moisture: _____ decanted: (Y/N) ___ Date Extracted: 06/25/92

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 06/29/92

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ____

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	1	J
111-44-4	bis(2-Chloroethyl)Ether	10	U
95-57-8	2-Chlorophenol	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
95-48-7	2-Methylphenol	10	U
108-60-1	2,2'-Oxybis(1-Chloropropane)	10	U
106-44-5	4-Methylphenol	10	U
621-64-7	N-Nitroso-Di-n-Propylamine	10	U
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
111-91-1	bis(2-Chloroethoxy)Methane	10	U
120-83-2	2,4-Dichlorophenol	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
59-50-7	4-Chloro-3-Methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	25	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	25	U
131-11-3	Dimethyl Phthalate	10	U
208-96-8	Acenaphthylene	10	U
606-20-2	2,6-Dinitrotoluene	10	U
99-09-2	3-Nitroaniline	25	U
83-32-9	Acenaphthene	10	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

ORIGINAL (Red)

EPA SAMPLE NO.

SBLK13

Lab Name: COMPUCHEM,RTP Contract: 68D10083

Lab Code: COMPU Case No.: 18347 SAS No.: _____ SDG No.: CKY14

Matrix: (soil/water) WATER Lab Sample ID: SBLK13

Sample wt/vol: 1000 (g/mL) ML Lab File ID: GH099898A07

Level: (low/med) LOW Date Received: _____

% Moisture: _____ decanted: (Y/N) ___ Date Extracted: 06/25/92

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 06/29/92

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ____

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
51-28-5	2,4-Dinitrophenol	25	U
100-02-7	4-Nitrophenol	25	U
132-64-9	Dibenzofuran	10	U
121-14-2	2,4-Dinitrotoluene	10	U
84-66-2	Diethylphthalate	1	J
7005-72-3	4-Chlorophenyl-phenylether	10	U
86-73-7	Fluorene	10	U
100-01-6	4-Nitroaniline	25	U
534-52-1	4,6-Dinitro-2-Methylphenol	25	U
86-30-6	N-Nitrosodiphenylamine (1)	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
87-86-5	Pentachlorophenol	25	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
86-74-8	Carbazole	10	U
84-74-2	Di-n-Butylphthalate	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butylbenzylphthalate	10	U
91-94-1	3,3'-Dichlorobenzidine	10	U
56-55-3	Benzo(a)Anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	bis(2-Ethylhexyl)Phthalate	7	J
117-84-0	Di-n-Octyl Phthalate	10	U
205-99-2	Benzo(b)Fluoranthene	10	U
207-08-9	Benzo(k)Fluoranthene	10	U
50-32-8	Benzo(a)Pyrene	10	U
193-39-5	Indeno(1,2,3-cd)Pyrene	10	U
53-70-3	Dibenz(a,h)Anthracene	10	U
191-24-2	Benzo(g,h,i)Perylene	10	U

(1) - Cannot be separated from Diphenylamine

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.
SBLK13

Lab Name: COMPUCHEM,RTP Contract: 68D10083

Lab Code: COMPU Case No.: 18347 SAS No.: _____ SDG No.: CKY14

Matrix: (soil/water) WATER Lab Sample ID: SBLK13

Sample wt/vol: 1000 (g/mL) ML Lab File ID: GH099898A07

Level: (low/med) LOW Date Received: _____

% Moisture: _____ decanted: (Y/N) ___ Date Extracted: 06/25/92

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 06/29/92

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ____

Number TICs found: 2

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	4.33	8	J
2.	UNKNOWN	4.65	4	J

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBLK25

Lab Name: COMPUCHEM,RTP Contract: 68D10083

Lab Code: COMPU Case No.: 18347 SAS No.: _____ SDG No.: CKY14

Matrix: (soil/water) WATER Lab Sample ID: SBLK25

Sample wt/vol: 1000 (g/mL) ML Lab File ID: GH000436B02

Level: (low/med) LOW Date Received: _____

% Moisture: _____ decanted: (Y/N) ___ Date Extracted: 06/26/92

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 06/29/92

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ____

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	3	J
111-44-4	bis(2-Chloroethyl)Ether	10	U
95-57-8	2-Chlorophenol	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
95-48-7	2-Methylphenol	10	U
108-60-1	2,2'-Oxybis(1-Chloropropane)	10	U
106-44-5	4-Methylphenol	10	U
621-64-7	N-Nitroso-Di-n-Propylamine	10	U
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
111-91-1	bis(2-Chloroethoxy)Methane	10	U
120-83-2	2,4-Dichlorophenol	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
59-50-7	4-Chloro-3-Methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	25	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	25	U
131-11-3	Dimethyl Phthalate	10	U
208-96-8	Acenaphthylene	10	U
606-20-2	2,6-Dinitrotoluene	10	U
99-09-2	3-Nitroaniline	25	U
83-32-9	Acenaphthene	10	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
(Red)
SBLK25

Lab Name: COMPUCHEM,RTP Contract: 68D10083

Lab Code: COMPU Case No.: 18347 SAS No.: _____ SDG No.: CKY14

Matrix: (soil/water) WATER Lab Sample ID: SBLK25

Sample wt/vol: 1000 (g/mL) ML Lab File ID: GH000436B02

Level: (low/med) LOW Date Received: _____

% Moisture: _____ decanted: (Y/N) ___ Date Extracted: 06/26/92

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 06/29/92

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ____

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
51-28-5	2,4-Dinitrophenol	25	U
100-02-7	4-Nitrophenol	25	U
132-64-9	Dibenzofuran	10	U
121-14-2	2,4-Dinitrotoluene	10	U
84-66-2	Diethylphthalate	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
86-73-7	Fluorene	10	U
100-01-6	4-Nitroaniline	25	U
534-52-1	4,6-Dinitro-2-Methylphenol	25	U
86-30-6	N-Nitrosodiphenylamine (1)	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
87-86-5	Pentachlorophenol	25	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
86-74-8	Carbazole	10	U
84-74-2	Di-n-Butylphthalate	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butylbenzylphthalate	6	J
91-94-1	3,3'-Dichlorobenzidine	10	U
56-55-3	Benzo(a)Anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	bis(2-Ethylhexyl)Phthalate	10	
117-84-0	Di-n-Octyl Phthalate	10	U
205-99-2	Benzo(b)Fluoranthene	10	U
207-08-9	Benzo(k)Fluoranthene	10	U
50-32-8	Benzo(a)Pyrene	10	U
193-39-5	Indeno(1,2,3-cd)Pyrene	10	U
53-70-3	Dibenz(a,h)Anthracene	10	U
191-24-2	Benzo(g,h,i)Perylene	10	U

(1) - Cannot be separated from Diphenylamine

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

ORIGINAL (Red)

EPA SAMPLE NO.

SBLK25

Lab Name: COMPUCHEM,RTP Contract: 68D10083

Lab Code: COMPU Case No.: 18347 SAS No.: _____ SDG No.: CKY14

Matrix: (soil/water) WATER Lab Sample ID: SBLK25

Sample wt/vol: 1000 (g/mL) ML Lab File ID: GH000436B02

Level: (low/med) LOW Date Received: _____

% Moisture: _____ decanted: (Y/N) ___ Date Extracted: 06/26/92

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 06/29/92

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ____

Number TICs found: 6

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	4.65	17	J
2.	UNKNOWN	4.80	8	J
3.	UNKNOWN	5.05	9	J
4.	METHYLPROPYLCYCLOHEXANE	5.13	6	J
5.	UNKNOWN	5.65	3	J
~~6.~~	~~LAB. ARTIFACT~~	~~15.37~~	~~3~~	~~J~~ 12/9/2/19

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

ORIGINAL (Red) SBLK21

Lab Name: COMPUCHEM,RTP Contract: 68D10083

Lab Code: COMPU Case No.: 18347 SAS No.: _____ SDG No.: CKY28

Matrix: (soil/water) SOIL Lab Sample ID: SBLK21

Sample wt/vol: 30.0 (g/mL) G Lab File ID: GH099906A15

Level: (low/med) LOW Date Received: _____

% Moisture: _____ decanted: (Y/N) N Date Extracted: 06/26/92

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 07/01/92

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: _____

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	330	U
111-44-4	bis(2-Chloroethyl)Ether	330	U
95-57-8	2-Chlorophenol	330	U
541-73-1	1,3-Dichlorobenzene	330	U
106-46-7	1,4-Dichlorobenzene	330	U
95-50-1	1,2-Dichlorobenzene	330	U
95-48-7	2-Methylphenol	330	U
108-60-1	2,2'-Oxybis(1-Chloropropane)	330	U
106-44-5	4-Methylphenol	330	U
621-64-7	N-Nitroso-Di-n-Propylamine	330	U
67-72-1	Hexachloroethane	330	U
98-95-3	Nitrobenzene	330	U
78-59-1	Isophorone	330	U
88-75-5	2-Nitrophenol	330	U
105-67-9	2,4-Dimethylphenol	330	U
111-91-1	bis(2-Chloroethoxy)Methane	330	U
120-83-2	2,4-Dichlorophenol	330	U
120-82-1	1,2,4-Trichlorobenzene	330	U
91-20-3	Naphthalene	330	U
106-47-8	4-Chloroaniline	330	U
87-68-3	Hexachlorobutadiene	330	U
59-50-7	4-Chloro-3-Methylphenol	330	U
91-57-6	2-Methylnaphthalene	330	U
77-47-4	Hexachlorocyclopentadiene	330	U
88-06-2	2,4,6-Trichlorophenol	330	U
95-95-4	2,4,5-Trichlorophenol	800	U
91-58-7	2-Chloronaphthalene	330	U
88-74-4	2-Nitroaniline	800	U
131-11-3	Dimethyl Phthalate	330	U
208-96-8	Acenaphthylene	330	U
606-20-2	2,6-Dinitrotoluene	330	U
99-09-2	3-Nitroaniline	800	U
83-32-9	Acenaphthene	330	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBLK21 (Red)

Lab Name: COMPUCHEM,RTP Contract: 68D10083

Lab Code: COMPU Case No.: 18347 SAS No.: _____ SDG No.: CKY28

Matrix: (soil/water) SOIL Lab Sample ID: SBLK21

Sample wt/vol: 30.0 (g/mL) G Lab File ID: GH099906A15

Level: (low/med) LOW Date Received: _____

% Moisture: _____ decanted: (Y/N) N Date Extracted: 06/26/92

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 07/01/92

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: _____

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	800	U
100-02-7	4-Nitrophenol	800	U
132-64-9	Dibenzofuran	330	U
121-14-2	2,4-Dinitrotoluene	330	U
84-66-2	Diethylphthalate	330	U
7005-72-3	4-Chlorophenyl-phenylether	330	U
86-73-7	Fluorene	330	U
100-01-6	4-Nitroaniline	800	U
534-52-1	4,6-Dinitro-2-Methylphenol	800	U
86-30-6	N-Nitrosodiphenylamine (1)	330	U
101-55-3	4-Bromophenyl-phenylether	330	U
118-74-1	Hexachlorobenzene	330	U
87-86-5	Pentachlorophenol	800	U
85-01-8	Phenanthrene	330	U
120-12-7	Anthracene	330	U
86-74-8	Carbazole	330	U
84-74-2	Di-n-Butylphthalate	330	U
206-44-0	Fluoranthene	330	U
129-00-0	Pyrene	330	U
85-68-7	Butylbenzylphthalate	120	J
91-94-1	3,3'-Dichlorobenzidine	330	U
56-55-3	Benzo(a)Anthracene	330	U
218-01-9	Chrysene	330	U
117-81-7	bis(2-Ethylhexyl)Phthalate	330	U
117-84-0	Di-n-Octyl Phthalate	330	U
205-99-2	Benzo(b)Fluoranthene	330	U
207-08-9	Benzo(k)Fluoranthene	330	U
50-32-8	Benzo(a)Pyrene	330	U
193-39-5	Indeno(1,2,3-cd)Pyrene	330	U
53-70-3	Dibenz(a,h)Anthracene	330	U
191-24-2	Benzo(g,h,i)Perylene	330	U

(1) - Cannot be separated from Diphenylamine

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

ORIGINAL (Red) SBLK21

Lab Name: COMPUCHEM,RTP Contract: 68D10083

Lab Code: COMPU Case No.: 18347 SAS No.: _____ SDG No.: CKY28

Matrix: (soil/water) SOIL Lab Sample ID: SBLK21

Sample wt/vol: 30.0 (g/mL) G Lab File ID: GH099906A15

Level: (low/med) LOW Date Received: _____

% Moisture: _____ decanted: (Y/N) N Date Extracted: 06/26/92

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 07/01/92

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: _____

Number TICs found: 6

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	5.13	330	J
2.	UNKNOWN	5.18	100	J
3.	UNKNOWN	5.23	100	J
4.	TETRACHLOROETHANE	5.30	230	J
5.	UNKNOWN	5.75	130	J
6.	UNKNOWN PHTHALATE	10.87	100	J

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
ORIGINAL (Red) SBLK06

Lab Name: COMPUCHEM,RTP Contract: 68D10083

Lab Code: COMPU Case No.: 18347 SAS No.: _____ SDG No.: CKY28

Matrix: (soil/water) SOIL Lab Sample ID: SBLK06

Sample wt/vol: 30.2 (g/mL) G Lab File ID: GH001667B57

Level: (low/med) LOW Date Received: _____

% Moisture: _____ decanted: (Y/N) N Date Extracted: 07/07/92

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 07/08/92

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: _____

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	330	U
111-44-4	bis(2-Chloroethyl)Ether	330	U
95-57-8	2-Chlorophenol	330	U
541-73-1	1,3-Dichlorobenzene	330	U
106-46-7	1,4-Dichlorobenzene	330	U
95-50-1	1,2-Dichlorobenzene	330	U
95-48-7	2-Methylphenol	330	U
108-60-1	2,2'-Oxybis(1-Chloropropane)	330	U
106-44-5	4-Methylphenol	330	U
621-64-7	N-Nitroso-Di-n-Propylamine	330	U
67-72-1	Hexachloroethane	330	U
98-95-3	Nitrobenzene	330	U
78-59-1	Isophorone	330	U
88-75-5	2-Nitrophenol	330	U
105-67-9	2,4-Dimethylphenol	330	U
111-91-1	bis(2-Chloroethoxy)Methane	330	U
120-83-2	2,4-Dichlorophenol	330	U
120-82-1	1,2,4-Trichlorobenzene	330	U
91-20-3	Naphthalene	330	U
106-47-8	4-Chloroaniline	330	U
87-68-3	Hexachlorobutadiene	330	U
59-50-7	4-Chloro-3-Methylphenol	330	U
91-57-6	2-Methylnaphthalene	330	U
77-47-4	Hexachlorocyclopentadiene	330	U
88-06-2	2,4,6-Trichlorophenol	330	U
95-95-4	2,4,5-Trichlorophenol	790	U
91-58-7	2-Chloronaphthalene	330	U
88-74-4	2-Nitroaniline	790	U
131-11-3	Dimethyl Phthalate	330	U
208-96-8	Acenaphthylene	330	U
606-20-2	2,6-Dinitrotoluene	330	U
99-09-2	3-Nitroaniline	790	U
83-32-9	Acenaphthene	330	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

ORIGINAL Red SBLK06

Lab Name: COMPUCHEM RTP Contract: 68D10083

Lab Code: COMPU Case No.: 18347 SAS No.: _____ SDG No.: CKY28

Matrix: (soil/water) SOIL Lab Sample ID: SBLK06

Sample wt/vol: 30.2 (g/mL) G Lab File ID: GH001667B57

Level: (low/med) LOW Date Received: _____

% Moisture: _____ decanted: (Y/N) N Date Extracted: 07/07/92

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 07/08/92

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: _____

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	790	U
100-02-7	4-Nitrophenol	790	U
132-64-9	Dibenzofuran	330	U
121-14-2	2,4-Dinitrotoluene	330	U
84-66-2	Diethylphthalate	330	U
7005-72-3	4-Chlorophenyl-phenylether	330	U
86-73-7	Fluorene	330	U
100-01-6	4-Nitroaniline	790	U
534-52-1	4,6-Dinitro-2-Methylphenol	790	U
86-30-6	N-Nitrosodiphenylamine (1)	330	U
101-55-3	4-Bromophenyl-phenylether	330	U
118-74-1	Hexachlorobenzene	330	U
87-86-5	Pentachlorophenol	790	U
85-01-8	Phenanthrene	330	U
120-12-7	Anthracene	330	U
86-74-8	Carbazole	330	U
84-74-2	Di-n-Butylphthalate	330	U
206-44-0	Fluoranthene	330	U
129-00-0	Pyrene	330	U
85-68-7	Butylbenzylphthalate	330	U
91-94-1	3,3'-Dichlorobenzidine	330	U
56-55-3	Benzo(a)Anthracene	330	U
218-01-9	Chrysene	330	U
117-81-7	bis(2-Ethylhexyl)Phthalate	330	U
117-84-0	Di-n-Octyl Phthalate	330	U
205-99-2	Benzo(b)Fluoranthene	330	U
207-08-9	Benzo(k)Fluoranthene	330	U
50-32-8	Benzo(a)Pyrene	330	U
193-39-5	Indeno(1,2,3-cd)Pyrene	330	U
53-70-3	Dibenz(a,h)Anthracene	330	U
191-24-2	Benzo(g,h,i)Perylene	330	U

(1) - Cannot be separated from Diphenylamine

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

ORIGINAL (Red) SBLK06

Lab Name: COMPUCHEM,RTP Contract: 68D10083

Lab Code: COMPU Case No.: 18347 SAS No.: _____ SDG No.: CKY28

Matrix: (soil/water) SOIL Lab Sample ID: SBLK06

Sample wt/vol: 30.2 (g/mL) G Lab File ID: GH001667B57

Level: (low/med) LOW Date Received: _____

% Moisture: _____ decanted: (Y/N) N Date Extracted: 07/07/92

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 07/08/92

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: _____

Number TICs found: 3

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	6.38	99	J
2.	TETRACHLOROETHANE	6.53	66	J
~~3.~~	~~LABORATORY ARTIFACT~~	~~13.90~~	~~230~~	~~J~~

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

ORIGINAL (Red)

SBLK48

Lab Name: COMPUCHEM,RTP Contract: 68D10083

Lab Code: COMPU Case No.: 18347 SAS No.: _____ SDG No.: CKY28

Matrix: (soil/water) SOIL Lab Sample ID: SBLK48

Sample wt/vol: 30.8 (g/mL) G Lab File ID: GH002529A05

Level: (low/med) LOW Date Received: _____

% Moisture: _____ decanted: (Y/N) N Date Extracted: 07/10/92

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 07/15/92

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: _____

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	320	U
111-44-4	bis(2-Chloroethyl)Ether	320	U
95-57-8	2-Chlorophenol	320	U
541-73-1	1,3-Dichlorobenzene	320	U
106-46-7	1,4-Dichlorobenzene	320	U
95-50-1	1,2-Dichlorobenzene	320	U
95-48-7	2-Methylphenol	320	U
108-60-1	2,2'-Oxybis(1-Chloropropane)	320	U
106-44-5	4-Methylphenol	320	U
621-64-7	N-Nitroso-Di-n-Propylamine	320	U
67-72-1	Hexachloroethane	320	U
98-95-3	Nitrobenzene	320	U
78-59-1	Isophorone	320	U
88-75-5	2-Nitrophenol	320	U
105-67-9	2,4-Dimethylphenol	320	U
111-91-1	bis(2-Chloroethoxy)Methane	320	U
120-83-2	2,4-Dichlorophenol	320	U
120-82-1	1,2,4-Trichlorobenzene	320	U
91-20-3	Naphthalene	320	U
106-47-8	4-Chloroaniline	320	U
87-68-3	Hexachlorobutadiene	320	U
59-50-7	4-Chloro-3-Methylphenol	320	U
91-57-6	2-Methylnaphthalene	320	U
77-47-4	Hexachlorocyclopentadiene	320	U
88-06-2	2,4,6-Trichlorophenol	320	U
95-95-4	2,4,5-Trichlorophenol	780	U
91-58-7	2-Chloronaphthalene	320	U
88-74-4	2-Nitroaniline	780	U
131-11-3	Dimethyl Phthalate	320	U
208-96-8	Acenaphthylene	320	U
606-20-2	2,6-Dinitrotoluene	320	U
99-09-2	3-Nitroaniline	780	U
83-32-9	Acenaphthene	320	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

ORIGINAL (Red)

EPA SAMPLE NO.

SBLK48

Lab Name: COMPUCHEM,RTP Contract: 68D10083

Lab Code: COMPU Case No.: 18347 SAS No.: _____ SDG No.: CKY28

Matrix: (soil/water) SOIL Lab Sample ID: SBLK48

Sample wt/vol: 30.8 (g/mL) G Lab File ID: GH002529A05

Level: (low/med) LOW Date Received: _____

% Moisture: _____ decanted: (Y/N) N Date Extracted: 07/10/92

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 07/15/92

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: _____

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	780	U
100-02-7	4-Nitrophenol	780	U
132-64-9	Dibenzofuran	320	U
121-14-2	2,4-Dinitrotoluene	320	U
84-66-2	Diethylphthalate	320	U
7005-72-3	4-Chlorophenyl-phenylether	320	U
86-73-7	Fluorene	320	U
100-01-6	4-Nitroaniline	780	U
534-52-1	4,6-Dinitro-2-Methylphenol	780	U
86-30-6	N-Nitrosodiphenylamine (1)	320	U
101-55-3	4-Bromophenyl-phenylether	320	U
118-74-1	Hexachlorobenzene	320	U
87-86-5	Pentachlorophenol	780	U
85-01-8	Phenanthrene	320	U
120-12-7	Anthracene	320	U
86-74-8	Carbazole	320	U
84-74-2	Di-n-Butylphthalate	320	U
206-44-0	Fluoranthene	320	U
129-00-0	Pyrene	320	U
85-68-7	Butylbenzylphthalate	42	J
91-94-1	3,3'-Dichlorobenzidine	320	U
56-55-3	Benzo(a)Anthracene	320	U
218-01-9	Chrysene	320	U
117-81-7	bis(2-Ethylhexyl)Phthalate	320	U
117-84-0	Di-n-Octyl Phthalate	320	U
205-99-2	Benzo(b)Fluoranthene	320	U
207-08-9	Benzo(k)Fluoranthene	320	U
50-32-8	Benzo(a)Pyrene	320	U
193-39-5	Indeno(1,2,3-cd)Pyrene	320	U
53-70-3	Dibenz(a,h)Anthracene	320	U
191-24-2	Benzo(g,h,i)Perylene	320	U

(1) - Cannot be separated from Diphenylamine

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

ORIGINAL (Red) SBLK48

Lab Name: COMPUCHEM,RTP Contract: 68D10083

Lab Code: COMPU Case No.: 18347 SAS No.: _____ SDG No.: CKY28

Matrix: (soil/water) SOIL Lab Sample ID: SBLK48

Sample wt/vol: 30.8 (g/mL) G Lab File ID: GH002529A05

Level: (low/med) LOW Date Received: _____

% Moisture: _____ decanted: (Y/N) N Date Extracted: 07/10/92

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 07/15/92

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: _____

Number TICs found: 4

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	4.78	130	J
2.	UNKNOWN	5.48	1200	J
~~3.~~	~~LABORATORY ARTIFACT~~	~~12.90~~	~~230~~	~~J~~ HP
~~4.~~	~~LABORATORY ARTIFACT~~	~~13.10~~	~~8400~~	~~J~~ 9/28/9

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

ORIGINAL (Red) EPA SAMPLE NO.

PBLK55

Lab Name: COMPUCHEM,RTP Contract: 68D10083

Lab Code: COMPU Case No.: 18347 SAS No.: SDG No.: CKY14

Matrix: (soil/water) WATER Lab Sample ID: 499901

Sample wt/vol: 1000 (g/ml) ML Lab File ID:

% Moisture: decanted: (Y/N) Date Received:

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 06/26/92

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 06/30/92

Injection Volume: 2.0 (uL) Dilution Factor: 1

GPC Cleanup: (Y/N) N pH: Sulfur Cleanup: (Y/N) N

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
7421-93-4	Endrin aldehyde	0.10	U
5103-71-9	alpha-Chlordane	0.050	U
5103-74-2	gamma-Chlordane	0.050	U
8001-35-2	Toxaphene	5.0	U
12674-11-2	Aroclor-1016	1.0	U
11104-28-2	Aroclor-1221	2.0	U
11141-16-5	Aroclor-1232	1.0	U
53469-21-9	Aroclor-1242	1.0	U
12672-29-6	Aroclor-1248	1.0	U
11097-69-1	Aroclor-1254	1.0	U
11096-82-5	Aroclor-1260	1.0	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

ORIGINAL Redj PBLK22

Lab Name: COMPUCHEM,RTP Contract: 68D10083

Lab Code: COMPU Case No.: 18347 SAS No.: SDG No.: CKY28

Matrix: (soil/water) SOIL Lab Sample ID: 500065

Sample wt/vol: 30.00 (g/ml) G Lab File ID:

% Moisture: decanted: (Y/N) Date Received:

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 06/26/92

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 07/06/92

Injection Volume: 2.0 (uL) Dilution Factor: 1

GPC Cleanup: (Y/N) Y pH: Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	1.7	U
319-85-7	beta-BHC	1.7	U
319-86-8	delta-BHC	1.7	U
58-89-9	gamma-BHC (Lindane)	1.7	U
76-44-8	Heptachlor	1.7	U
309-00-2	Aldrin	1.7	U
1024-57-3	Heptachlor epoxide	1.7	U
959-98-8	Endosulfan I	1.7	U
60-57-1	Dieldrin	3.3	U
72-55-9	4,4'-DDE	3.3	U
72-20-8	Endrin	3.3	U
33213-65-9	Endosulfan II	3.3	U
72-54-8	4,4'-DDD	3.3	U
1031-07-8	Endosulfan sulfate	3.3	U
50-29-3	4,4'-DDT	3.3	U
72-43-5	Methoxychlor	0.59	JP
53494-70-5	Endrin ketone	3.3	U
7421-93-4	Endrin aldehyde	3.3	U
5103-71-9	alpha-Chlordane	1.7	U
5103-74-2	gamma-Chlordane	1.7	U
8001-35-2	Toxaphene	170	U
12674-11-2	Aroclor-1016	33	U
11104-28-2	Aroclor-1221	67	U
11141-16-5	Aroclor-1232	33	U
53469-21-9	Aroclor-1242	33	U
12672-29-6	Aroclor-1248	33	U
11097-69-1	Aroclor-1254	33	U
11096-82-5	Aroclor-1260	33	U