

**COMPUCHEM  
LABORATORIES**

December 20, 1989

Mr. Jack Ryan  
New York D.E.C.  
Room 301 50 Wolf Road  
Albany, NY 12233-3502

**RECEIVED**

DEC 27 1989

Subject: Report of Data - DEC Case # RA-789 SDG# 317  
Account# 255501 Order # 18410 TECHNICAL SERVICES & RESEAR  
DIVISION OF WATER

Dear Mr. Ryan:

We at CompuChem® are pleased to provide our report for the analysis you requested. This report covers 20 sample(s) received by CompuChem® on 11/15/89.

Your ID Number	Our ID Number	Analysis Code	Description of Work Requested
738001-23	302182	2000	Semi-Volatiles (Style 9)
738001-12	301909		Volatiles (Style 9)
738001-02	301910		Pesticide/PCB's (Style 9)
738001-01	301917		
738001-03	301918	2008	Metals/Cyanides (Style J)
738001-08	301922		
738001-05	301937		
738001-10	301938		
738001-06	301939		
738001-15	302150		
738001-16	302154		
738001-22	302155		
738001-25	302157		
738001-26	302166		
738001-21	302168		
738001-17	302172		
738001-18	302173		
738001-13	302174		
738001-14	302175		
738001-24	302176		

In this report we have included the analytical results, the method reference, and the quality control summary. To obtain additional technical information concerning this report, please contact your Sales Representative. In addition to resolving your questions, they can provide you with a complete overview of our line of services and assist you in identifying those services which will effectively and efficiently support your monitoring program.

For your convenience, your Customer Service Representative can help you place a new order, obtain information about a sample's status or obtain assistance with sample logistics. Your Sales Representative and your Customer Service Representative can be reached at 1/919-549-8263.



COMPUCHEM  
LABORATORIES

Thank you for choosing CompuChem®. We would like to continue providing you analytical support and services. We would appreciate your comments regarding the quality of services you have received from CompuChem®; client satisfaction is important to us. Please address your comments to your Sales or Customer Service Representative at the address given below.

Sincerely,

Elise L. Cobb  
Supervisor, Report Deliverables

Page Two - December 20, 1989

Mr. Jack Ryan  
New York D.E.C.  
Room 301 50 Wolf Road  
Albany, NY 12233-3502



## EXECUTIVE SUMMARY for Case 18410 5

GC/MS; YOA; WATER; EPA SOW 2/88

SAMPLE-ID	CC#	SAMPLE DATE	RECEIPT DATE	ANALYSIS DATE
738001-12	301909	111389	11/14/89	11/15/89
738001-02	301910	111389	11/14/89	11/15/89
738001-01	301917	111389	11/14/89	11/15/89
738001-03	301918	111389	11/14/89	11/15/89
738001-08	301922	111389	11/14/89	11/15/89
SS	301923		11/14/89	11/15/89
SS	301924		11/14/89	11/15/89
738001-05	301937	111389	11/14/89	11/15/89
738001-10	301938	111389	11/14/89	11/15/89
738001-06	301939	111389	11/14/89	11/15/89
738001-15	302150	111489	11/15/89	11/16/89
738001-16	302154	111489	11/15/89	11/16/89
738001-22	302155	111489	11/15/89	11/16/89
738001-25	302157	111489	11/15/89	11/16/89
738001-26	302166	111489	11/15/89	11/16/89
738001-21	302168	111489	11/15/89	11/16/89
738001-17	302172	111489	11/15/89	11/16/89
738001-18	302173	111489	11/15/89	11/16/89
738001-13	302174	111489	11/15/89	11/16/89
738001-14	302175	111489	11/15/89	11/16/89
738001-24	302176	111489	11/15/89	11/16/89
738001-23	302182	111489	11/15/89	11/16/89

EXTRACTION; WATER; A+B/N; EPA CAUCUS

SAMPLE-ID	CC#	SAMPLE DATE	RECEIPT DATE	ANALYSIS DATE
738001-12	301909	111389	11/14/89	11/17/89
738001-02	301910	111389	11/14/89	11/17/89
738001-01	301917	111389	11/14/89	11/17/89
738001-03	301918	111389	11/14/89	11/17/89
SS	301919		11/14/89	11/21/89
SS	301920		11/14/89	11/21/89
738001-08	301922	111389	11/14/89	11/17/89
738001-05	301937	111389	11/14/89	11/17/89
738001-10	301938	111389	11/14/89	11/17/89
738001-06	301939	111389	11/14/89	11/17/89
738001-15	302150	111489	11/15/89	11/17/89
738001-16	302154	111489	11/15/89	11/17/89
738001-22	302155	111489	11/15/89	11/17/89
738001-25	302157	111489	11/15/89	11/17/89
738001-26	302166	111489	11/15/89	11/17/89
738001-21	302168	111489	11/15/89	11/17/89
738001-17	302172	111489	11/15/89	11/17/89
738001-18	302173	111489	11/15/89	11/17/89
738001-13	302174	111489	11/15/89	11/17/89
738001-14	302175	111489	11/15/89	11/17/89
738001-24	302176	111489	11/15/89	11/17/89
738001-23	302182	111489	11/15/89	11/17/89

GC/MS; S-V; WATER; EPA SOW 2/88

SAMPLE-ID	CC#	SAMPLE DATE	RECEIPT DATE	ANALYSIS DATE
738001-12	301909	111389	11/14/89	11/21/89
738001-02	301910	111389	11/14/89	11/21/89
738001-01	301917	111389	11/14/89	11/21/89
738001-03	301918	111389	11/14/89	11/21/89
SS	301919		11/14/89	11/22/89
SS	301920		11/14/89	11/25/89
738001-08	301922	111389	11/14/89	11/21/89
738001-05	301937	111389	11/14/89	11/17/89
738001-10	301938	111389	11/14/89	11/18/89
738001-06	301939	111389	11/14/89	11/20/89
738001-15	302150	111489	11/15/89	11/18/89
738001-16	302154	111489	11/15/89	11/20/89
738001-22	302155	111489	11/15/89	11/19/89
738001-25	302157	111489	11/15/89	11/18/89
738001-26	302166	111489	11/15/89	11/18/89
738001-21	302168	111489	11/15/89	11/20/89
738001-17	302172	111489	11/15/89	11/18/89
738001-18	302173	111489	11/15/89	11/19/89
738001-13	302174	111489	11/15/89	11/19/89
738001-14	302175	111489	11/15/89	11/19/89
738001-24	302176	111489	11/15/89	11/20/89
738001-23	302182	111489	11/15/89	11/17/89

EXTRACTION; WATER; PEST/PCBs; EPA-CAUCUS

SAMPLE-ID	CC#	SAMPLE DATE	RECEIPT DATE	ANALYSIS DATE
738001-12	301909	111389	11/14/89	11/17/89
738001-02	301910	111389	11/14/89	11/17/89
738001-01	301917	111389	11/14/89	11/17/89
738001-03	301918	111389	11/14/89	11/17/89
738001-08	301922	111389	11/14/89	11/30/89
SS	301926		11/14/89	11/28/89
SS	301927		11/14/89	11/28/89
738001-05	301937	111389	11/14/89	11/30/89
738001-10	301938	111389	11/14/89	11/30/89
738001-06	301939	111389	11/14/89	11/17/89
738001-15	302150	111489	11/15/89	11/17/89
738001-16	302154	111489	11/15/89	11/17/89
738001-22	302155	111489	11/15/89	11/17/89
738001-25	302157	111489	11/15/89	11/17/89
738001-26	302166	111489	11/15/89	11/17/89
738001-21	302168	111489	11/15/89	11/17/89
738001-17	302172	111489	11/15/89	11/17/89
738001-18	302173	111489	11/15/89	11/17/89
738001-13	302174	111489	11/15/89	11/17/89
738001-14	302175	111489	11/15/89	11/17/89
738001-24	302176	111489	11/15/89	11/17/89
738001-23	302182	111489	11/15/89	11/17/89

GC/ECD; PEST/PCB; WATER; EPA SOW 2/88

SAMPLE-ID	CC#	SAMPLE DATE	RECEIPT DATE	ANALYSIS DATE
738001-12	301909	111389	11/14/89	11/15/89
738001-02	301910	111389	11/14/89	11/15/89
738001-01	301917	111389	11/14/89	11/15/89
738001-03	301918	111389	11/14/89	11/16/89
738001-08	301922	111389	11/14/89	11/30/89
SS	301926		11/14/89	11/29/89
SS	301927		11/14/89	11/29/89
738001-05	301937	111389	11/14/89	11/30/89
738001-10	301938	111389	11/14/89	11/21/89
738001-06	301939	111389	11/14/89	11/16/89
738001-15	302150	111489	11/15/89	11/17/89
738001-16	302154	111489	11/15/89	11/17/89
738001-22	302155	111489	11/15/89	11/17/89
738001-25	302157	111489	11/15/89	11/17/89
738001-26	302166	111489	11/15/89	11/17/89
738001-21	302168	111489	11/15/89	11/22/89
738001-17	302172	111489	11/15/89	11/18/89
738001-18	302173	111489	11/15/89	11/18/89
738001-13	302174	111489	11/15/89	11/18/89
738001-14	302175	111489	11/15/89	11/18/89
738001-24	302176	111489	11/15/89	11/22/89
738001-23	302182	111489	11/15/89	11/22/89



## EXECUTIVE SUMMARY for Case 18410 5

## Metal Preparation-Water

SAMPLE-ID	CC#	SAMPLE DATE	RECEIPT DATE	ANALYSIS DATE
738001-12	301909	111389	11/14/89	11/20/89
738001-02	301910	111389	11/14/89	11/20/89
738001-01	301917	111389	11/14/89	11/20/89
738001-03	301918	111389	11/14/89	11/20/89
738001-08	301922	111389	11/14/89	11/20/89
738001-05	301937	111389	11/14/89	11/20/89
738001-10	301938	111389	11/14/89	11/20/89
738001-06	301939	111389	11/14/89	11/20/89
738001-15	302150	111489	11/15/89	11/20/89
738001-16	302154	111489	11/15/89	11/20/89
738001-22	302155	111489	11/15/89	11/20/89
738001-25	302157	111489	11/15/89	11/20/89
738001-26	302166	111489	11/15/89	11/20/89
738001-21	302168	111489	11/15/89	11/20/89
738001-17	302172	111489	11/15/89	11/20/89
738001-18	302173	111489	11/15/89	11/20/89
738001-13	302174	111489	11/15/89	11/20/89
738001-14	302175	111489	11/15/89	11/20/89
738001-24	302176	111489	11/15/89	11/20/89
738001-23	302182	111489	11/15/89	11/20/89

ICP ANAL.; CLP TAL; WATER; SOW 7/88

SAMPLE-ID	CC#	SAMPLE DATE	RECEIPT DATE	ANALYSIS DATE
738001-12	301909	111389	11/14/89	12/10/89
738001-02	301910	111389	11/14/89	12/10/89
738001-01	301917	111389	11/14/89	12/10/89
738001-03	301918	111389	11/14/89	12/10/89
738001-08	301922	111389	11/14/89	12/10/89
738001-05	301937	111389	11/14/89	12/10/89
738001-10	301938	111389	11/14/89	12/10/89
738001-06	301939	111389	11/14/89	12/10/89
738001-15	302150	111489	11/15/89	12/10/89
738001-16	302154	111489	11/15/89	12/10/89
738001-22	302155	111489	11/15/89	12/10/89
738001-25	302157	111489	11/15/89	12/10/89
738001-26	302166	111489	11/15/89	12/10/89
738001-21	302168	111489	11/15/89	12/10/89
738001-17	302172	111489	11/15/89	12/10/89
738001-18	302173	111489	11/15/89	12/10/89
738001-13	302174	111489	11/15/89	12/10/89
738001-14	302175	111489	11/15/89	12/10/89
738001-24	302176	111489	11/15/89	12/10/89
738001-23	302182	111489	11/15/89	12/10/89



COMPUCHEM  
LABORATORIES

FUR. AAS; CLP TAL; WATER; SOW 7/88

SAMPLE-ID	CC#	SAMPLE DATE	RECEIPT DATE	ANALYSIS DATE
-----------	-----	----------------	-----------------	------------------

EXECUTIVE SUMMARY for Case 18410 5

738001-12	301909	111389	11/14/89	12/13/89
738001-02	301910	111389	11/14/89	12/13/89
738001-01	301917	111389	11/14/89	12/13/89
738001-03	301918	111389	11/14/89	12/13/89
738001-08	301922	111389	11/14/89	12/13/89
738001-05	301937	111389	11/14/89	12/13/89
738001-10	301938	111389	11/14/89	12/13/89
738001-06	301939	111389	11/14/89	12/13/89
738001-15	302150	111489	11/15/89	12/13/89
738001-16	302154	111489	11/15/89	12/13/89
738001-22	302155	111489	11/15/89	12/13/89
738001-25	302157	111489	11/15/89	12/13/89
738001-26	302166	111489	11/15/89	12/13/89
738001-21	302168	111489	11/15/89	12/13/89
738001-17	302172	111489	11/15/89	12/13/89
738001-18	302173	111489	11/15/89	12/13/89
738001-13	302174	111489	11/15/89	12/13/89
738001-14	302175	111489	11/15/89	12/13/89
738001-24	302176	111489	11/15/89	12/13/89
738001-23	302182	111489	11/15/89	12/13/89

C.V. MERC. ANAL.; WATER; SOW 7/88

SAMPLE-ID	CC#	SAMPLE DATE	RECEIPT DATE	ANALYSIS DATE
-----------	-----	----------------	-----------------	------------------

738001-12	301909	111389	11/14/89	11/21/89
738001-02	301910	111389	11/14/89	11/21/89
738001-01	301917	111389	11/14/89	11/21/89
738001-03	301918	111389	11/14/89	11/21/89
738001-08	301922	111389	11/14/89	11/21/89
738001-05	301937	111389	11/14/89	11/21/89
738001-10	301938	111389	11/14/89	11/21/89
738001-06	301939	111389	11/14/89	11/21/89
738001-15	302150	111489	11/15/89	11/21/89
738001-16	302154	111489	11/15/89	11/21/89
738001-22	302155	111489	11/15/89	11/21/89
738001-25	302157	111489	11/15/89	11/21/89
738001-26	302166	111489	11/15/89	11/21/89
738001-21	302168	111489	11/15/89	11/21/89
738001-17	302172	111489	11/15/89	11/21/89
738001-18	302173	111489	11/15/89	11/21/89
738001-13	302174	111489	11/15/89	11/21/89
738001-14	302175	111489	11/15/89	11/21/89
738001-24	302176	111489	11/15/89	11/21/89
738001-23	302182	111489	11/15/89	11/21/89



## CYANIDE ANAL.; WATER; CLP SOW 7/88

SAMPLE-ID	CC#	SAMPLE DATE	RECEIPT DATE	ANALYSIS DATE
738001-12	301909	111389	11/14/89	11/18/89
738001-02	301910	111389	11/14/89	11/18/89
738001-01	301917	111389	11/14/89	11/18/89
738001-03	301918	111389	11/14/89	11/18/89
738001-08	301922	111389	11/14/89	11/18/89
738001-05	301937	111389	11/14/89	11/18/89
738001-10	301938	111389	11/14/89	11/18/89
738001-06	301939	111389	11/14/89	11/18/89
738001-15	302150	111489	11/15/89	11/18/89
738001-16	302154	111489	11/15/89	11/18/89
738001-22	302155	111489	11/15/89	11/18/89
738001-25	302157	111489	11/15/89	11/18/89
738001-26	302166	111489	11/15/89	11/18/89
738001-21	302168	111489	11/15/89	11/18/89
738001-17	302172	111489	11/15/89	11/18/89
738001-18	302173	111489	11/15/89	11/18/89
738001-13	302174	111489	11/15/89	11/18/89
738001-14	302175	111489	11/15/89	11/18/89
738001-24	302176	111489	11/15/89	11/18/89
738001-23	302182	111489	11/15/89	11/18/89



## METHOD REFERENCE

Except where noted, CompuChem employs the methods stated in the USEPA Contract 68-01-7017 entitled "Organics Analysis in Multi-Media for Multi-Concentration Samples". Initially implemented in May 1984 with subsequent revisions and modifications, these protocols are also used by CompuChem as participants in the USEPA Contract Laboratory Program (CLP).

### Method Summary

As stated in the contract, "A measured volume of sample, approximately one liter, is solvent extracted with methylene chloride using a separatory funnel or a continuous extractor. The methylene chloride extract is dried, exchanged to hexane, and adjusted to a final volume of 10 ml." The extracts are then analyzed on a gas chromatograph/electron capture detector (GC/ECD). When pesticides or PCBs are identified, a second GC/ECD analysis is required using an alternate column. If the concentration is sufficient, additional confirmation is performed using GC/MS.

## METHOD REFERENCE

Except where noted, CompuChem employs the methods stated in the USEPA Contract 68-01-7017 entitled "Organics Analysis; Multi-Media, Multi-Concentration". Initially implemented in May 1984 with subsequent revisions and modifications, these protocols are used by CompuChem® as participants in the USEPA Contract Laboratory Program (CLP).

### Method Summary

After surrogate addition and pH adjustment, one liter of sample is serially extracted with methylene chloride and concentrated to a final volume of 1ml.

Qualitative identification is performed using retention time and the relative abundance of three characteristic ions. Quantitative analysis is performed using internal standard techniques.

## METHOD REFERENCE

Except where noted, CompuChem® employs the methods stated in the USEPA Contract 68-01-7017 entitled "Organics Analysis; Multi-Media, Multi-Concentration". Initially implemented in May 1984 with subsequent revisions and modifications, these protocols are used by CompuChem® as participants in the USEPA Contract Laboratory Program (CLP).

### Method Summary

As stated in the contract ... " An inert gas is bubbled through a 5ml sample contained in a specifically designed purging chamber at ambient temperature. The purgeables are efficiently transferred from the aqueous phase to the vapor phase. The vapor is swept through a sorbent column where the purgeables are trapped. After purging is completed, the sorbent column is heated and backflushed with the inert gas to desorb the purgeables onto a gas chromatographic column. The gas chromatograph is temperature programmed to separate the purgeables which are then detected with a mass spectrometer."

## I. SAMPLE DATA SUMMARY PACKAGE

The Sample Data Summary Package shall contain data for samples in one Sample Delivery Group of the Case, as follows:

1. Case Narrative
2. By fraction (VOA, SV, PEST) and by sample within each fraction - tabulated target compound results (Form I) and tentatively identified compounds (Form I, TIC) (VOA and SV only)
3. By fraction (VOA, BV, PEST) - surrogate spike analysis results (Form II) by matrix (Water and/or Soil) and for soil, by concentration (Low or Medium)
4. By fraction (VOA, SV, PEST) - matrix spike / matrix spike duplicate results (Form III)
5. By fraction (VOA, SV, PEST) - blank data (Form IV) and tabulated results (Form I) including tentatively identified compounds (Form I, TIC) (VOA and SV only)
6. By fraction (VOA and SV only) - internal standard area data (Form VIII)

CASE#: 1B410 SDG#: 05 SAS#: \_\_\_\_\_

1. Case Narrative

CLP CASE NARRATIVE--CASE # 18410  
Contract No. 2-88 (REVS) SOL# No. 05  
CompuChem Laboratories, Inc.

Sample Numbers: 738001-01, 738001-02, 738001-03, 738001-05, 738001-06,  
738001-08, 738001-10, 738001-12, 738001-13, 738001-14,  
738001-15, 738001-16, 738001-17, 738001-18, 738001-21,  
738001-22, 738001-23, 738001-24, 738001-25, 738001-26.

This portion of Case # 18410 consisted of twenty liquid samples for volatile, semivolatile, and pesticide analysis. The samples were received intact on 11/14/88 and 11/15/88 via Federal Express in properly sealed shipping containers with traffic reports.

This narrative is concerned only with the volatile and semivolatile fractions of the above samples.

VOLATILES:


All volatile fractions were analyzed within holding time requirements. Samples 738001-02, -05, -06, -08, -10, -15, -17, and -25 contained neither TCL's nor TIC's (tentatively identified compounds). Samples 738001-03, -12, and -25 contained only a small amount of methylene chloride. Sample 738001-07 contained chloroethane, 1,1-dichloroethane (a??), and benzene. Samples 738001-14, -16, and -17 contained only carbon disulfide as a TIC. Sample 738001-18 contained benzene, ethylbenzene and xylenes. Because acetone and methylene chloride were outside their analytical ranges in the initial, neat analysis, two analyses were reported for sample 738001-22. Additional TCL's found included various ketones, chlorinated hydrocarbons, benzene, toluene, and xylenes. Sample 738001-23 was reported only at a dilution, since no analytes were lost in the dilution. Its TCL's included chloroethane, methylene chloride, carbon disulfide, benzene, toluene, chlorobenzene, and xylenes. Its TIC's included various substituted benzenes.

SEMIVOLATILES:

Because the initial extraction's method blank was unacceptable and the samples could not be reextracted within holding time requirements, samples 738001-01, -07, -03, -08, and -12 were cancelled per the client's instructions. In addition, because the MS/MSD were originally prepared using one of the cancelled samples, they could not be reextracted within holding time requirements. All other semivolatile fractions were extracted within holding time requirements. Two analyses were reported for samples 738001-06, -16, -21, and -24 to confirm sample matrix effects which caused acid surrogates to fail recovery criteria. These samples contained no TCL's. Samples 738001-05, -10, -13, -14, -15, -17, -18, -25, and -26 were also free of TCL's. Two analyses were reported for sample 738001-22 because benzoic acid exceeded its analytical range in the original, neat analysis. Other TCL's included phenol and substituted phenols. The surrogate 2,4,6-tribromophenol exceeded recovery criteria in the neat analysis. Sample 738001-25 contained phenol, 2,4-dimethylphenol, and naphthalene. With the exception of those samples mentioned above, all surrogates met recovery criteria. The matrix spike/matrix spike duplicate results were acceptable. The recoveries for 4-nitrophenol and 2,4-dinitrotoluene exceeded QC limits in both the MS and MSD.

I verify 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 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 descending numerical sequence.

A handwritten signature in cursive script, appearing to read "Sarah A. Hubbard", is written over a horizontal line.

Sarah A. Hubbard 12/6/88  
Technical Reviewer



CLP CASE NARRATIVE -- CASE 18410  
SDG NO. 05  
Contract No. (2-88) REVS  
CompuChem Laboratories, Inc.

Samples; 738001-01, 738001-02, 738001-03, 738001-05, 738001-06, 738001-08, 738001-10, 738001-12, 738001-13, 738001-14, 738001-15, 738001-16, 738001-17, 738001-18, 738001-21, 738001-22, 738001-23, 738001-24, 738001-25, 738001-26

**PESTICIDES**

The samples were extracted and analyzed within the proper holding time requirements. There were no reportable levels of EPA Target Compound List (TCL) analytes found in any of the samples or the associated method blanks. Samples 738001-05, 738001-06, 738001-12, 738001-14, 738001-23, and 738001-24 required second GC column analyses. Results from these second GC column analyses confirmed that the TCL compounds of interest in the primary analyses were either below reportable detection limits (BDL) or did not compare well with the concentration values which were found in the second analyses. There were several outliers present in the %D column of the Form VIIIs of the sequences included in this SDG. All of the outliers were associated with either hexane blanks or samples which were not included with this SDG.

The duplicate sample spikes were re-extracted outside of holding time criteria. In the pesticide fractions, with some exceptions, recovery and RPD values met QC limits in the matrix spike, 738001-01 MS, and the matrix spike duplicate, 738001-01 MSD. Spiking compound Gamma-BHC failed recovery limits in the MSD. Gamma-BHC also failed RPD limits. Method blanks PBLK03, PBLK25, and PBLK19 required analyses on either two or three different GC columns because of the samples with which they were associated. Surrogate recovery values for the samples, blanks, and the sample spikes passed contract required QC limits. All other data generated from the MS/MSD met QC acceptance criteria.

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 has been authorized by the Laboratory Manager or his designee, as verified by the following signature:





COMPUCHEM  
LABORATORIES

*Cynthia E. Edwards 12/06/89*  
Cynthia E. Edwards  
Technical Reviewer  
06 December 1989

**Note:** This report is paginated for reference and  
accountability in decreasing numerical sequence.



COMPUCHEM  
LABORATORIES

QUALITY ASSURANCE NOTICE

With the advent of the new organics Statement of Work (SOW 2/88, Revision: 9/88) participants in EPA's Contract Laboratory Program (CLP) are required to provide hard copy and diskette deliverables. CompuChem employs the Finnigan QA Formaster Program (Format A) to generate these requirements using data files from our analytical instrumentation. Currently, and independently, quantitation reports are generated by the instruments and are used with CompuChem-developed software to calculate results. The GC and GC/MS quantitation routines employ the convention of carrying at least one extra significant figure until the mathematical computations are completed. Then, the quantitative results are rounded to the SOW-required number of significant figures for reporting. In addition, the algorithm used by the Formaster Program is slightly different than that employed in CompuChem's software routines. Therefore, results presented in the supportive data supplied with our deliverables packages may be slightly different than those which appear on the hard copy forms generated via Formaster.

This notice serves to alert the end users of these data packages as to the reason why slight differences may be observed.

Robert E. Meiarer  
Director of Quality Assurance

QUALITY ASSURANCE NOTICE

Specific guidelines are presented in the EPA CLP Organic Statement of Work for the positive qualitative identification of compounds through mass spectral interpretation. Applying these guidelines absolutely may not be possible when the nature of the sample is less than pure reference material. Where the mass spectral pattern of a compound to be identified demonstrates interferences or resolution from one or more additional compounds, either unknown, internal standards, or surrogate standards, the "+" sign is added to the top of the dual spectra page.

*Linda Fowler 4/10/89*

Linda Fowler  
Sr. Quality Assurance Specialist

*Robert E. Meierer 4/12/89*

Robert E. Meierer  
Vice President, Quality Assurance



## COMPUCHEM LABORATORIES

### CHANGES TO THE EPA'S ORGANIC STATEMENT OF WORK (SOW) FOR THE CONTRACT LABORATORY PROGRAM (CLP)

Effective with samples received at CompuChem Laboratories, Inc. on April 3, 1989, the new "SOW for Organic Analysis; Multi-Media, Multi-Concentration" will be in effect. The new SOW is dated 2/88 with revisions dated 9/88.

EPA introduces modifications to the CLP SOW for a variety of reasons. They are:

- as a result of technical caucuses attended by representatives from EPA regional laboratories and the CLP, new or modified analytical methods are required,
- as a result of analytical data being supplied to the Agency by the CLP laboratories, QC acceptance criteria are updated and made a requirement of the program,
- as a result of requirements by the end users of the data (the EPA regions and the Program Office), changes to the deliverable requirements of the CLP are necessary.

As a service to our clients utilizing the EPA CLP SOW for their analytical needs, the following information is provided to point out the substantive changes between the new SOW and the previous one (10/86 with revisions through 8/87).


#### "KEY" CHANGES TO THE ORGANIC SOW

- 1) Wide bore capillary columns (internal diameter greater than 0.32 mm) are allowed for pesticide/PCE analysis in addition to packed columns. Packed silica capillary columns remain an optional confirmation column.

- 2) The Sample Data Summary Package (SDSP) was introduced in the 10/86 SOW. The SDSP consists of copies of specific summary forms. In the 2/88 SOW, Form VIII, the Internal Standard Area Summary Form for volatile and semi-volatile analysses, has been added to the SDSP. Form VIII for volatiles and semi-volatiles is also to be included in the QC Summary Package.
- 3) A clarification for dealing with the three xylene isomers has been added. For total xylenes, where three isomers are quantified as two peaks, the calibration range of each peak should be considered separately, e.g., a diluted analysis is not required for total xylenes unless the concentration of either peak exceeds 200 ug/l.
- 4) The volatile target analyte, 2-butanone, is to be quantified against the first internal standard, bromochloromethane. In the prior SOW, 2-butanone was quantified against the second internal standard, 1,4-difluorobenzene.
- 5) Turnaround time for the delivery of data has been lowered from 40 days to 35 days for routine analytical service (RAS) work associated with the Superfund program. The turnaround time is calculated from the Validated Time of Sample Receipt (VTSR) of the last sample in the Sample Delivery Group (SDG).

The above represents the major changes in the new organic SOW for EPA's CLP. There are, of course, other minor changes which have not been addressed in this announcement. Of note, the hardcopy deliverable forms have not changed and, in fact, retain the same revision dates as the prior SOW.

If there are any questions concerning the information presented, please feel free to contact your account administrator at 1-800-833-5097.

  
Robert E. Meierar  
Vice President of Quality Assurance

## DATA REPORTING QUALIFIERS

For reporting results to EPA, the following result qualifiers are used. Additional flags or footnotes explaining results are encouraged. However, the definition of each flag must be explicit.

**VALUE** - If the result is a value greater than or equal to the detection limit, report the value.

**U** - Indicates compound was analyzed but not detected. The sample quantitation limit must be corrected for dilution and for percent moisture. For example, 10 U for phenol in water if the sample final volume is the protocol-specified final volume. If a 1 to 10 dilution of extract is necessary, the reported limit is 100 U. For a soil sample, the value must also be adjusted for percent moisture. For example, if the sample had 24% moisture and a 1 to 10 dilution factor, the sample quantitation limit for phenol (330 U) would be corrected to:

$$\frac{(330 \text{ U})}{D} \times df \quad \text{where } D = \frac{100 - \% \text{ moisture}}{100}$$

and  $df$  = dilution factor

$$\text{at 24\% moisture, } D = \frac{100-24}{100} = 0.76$$

$$\frac{(330 \text{ U})}{.76} \times 10 = 4300 \text{ U} \quad \text{rounded to the appropriate number of significant figures}$$

for soil sample subjected to GPC clean-up procedures, the CRQL is also multiplied by 2, to account for the fact that only half of the extract is recovered.

**J** - Indicates an estimated value. This flag is used either when estimating a concentration for tentatively identified compounds where a 1:1 response is assumed, or when the mass spectral data indicate the presence of a compound that meets the identification criteria but the result is less than the sample quantitation limit but greater than zero. For example, if the sample quantitation limit is 10 ug/L, but a concentration of 3 ug/L is calculated, report it as 3J. The sample quantitation limit must be adjusted for both dilution and percent moisture as discussed for the U flag, so that if a sample with 24% moisture and a 1 to 10 dilution factor has a calculated concentration of 300 ug/L and a sample quantitation limit of 430 ug/kg, report the concentration as 300J on Form I.

**C** - This flag applies to pesticide results where the identification has been confirmed by GC/MS. Single component pesticides  $\geq 10$  ng/ml in the final extract shall be confirmed by GC/MS.


DATA REPORTING QUALIFIERS - PAGE 2

- B - This flag is used when the analyte is found in the associated blank as well as in the sample. It indicates possible/probable blank contamination and warns the data user to take appropriate action. This flag must be used for a TIC as well as for a positively identified TCL compound.
  
- E - This flag identifies compounds whose concentrations exceed the calibration range of the GC/MS instrument for that specific analysis. This flag will not apply to pesticides/PCBs analyzed by GC/EC methods. If one or more compounds have a response greater than full scale, the sample or extract must be diluted and re-analyzed according to the specifications. All such compounds with a response greater than full scale should have the concentration flagged with an "E" on the Form I for the original analysis. If the dilution of the extract causes any compounds identified in the first analysis to be below the calibration range in the second analysis, then the results of both analyses shall be reported on separate Forms J. The Form I for the diluted sample shall have the "DL" suffix appended to the sample number.
  
- D - This flag identifies all compounds identified in an analysis at a secondary dilution factor. If a sample or extract is re-analyzed at a higher dilution factor, as in the "Z" flag above, the "DL" suffix is appended to the sample number on the Form I for the diluted sample and all concentration values reported on that form I are flagged with the "D" flag.
  
- A - This flag indicates that TIC is a suspected aldol-condensation product.
  
- X - Other specific flags and footnotes may be required to properly define the results. If used, they must be fully described and such description attached to the Sample Data Summary Package and the Case Narrative. If more than one is required, use "Y" and "Z", as needed. If more than five qualifiers are required for a sample result, use the "X" flag to combine several flags, as needed. For instance, the "X" flag might combine the "A", "B", and "D" flags for some sample.

LABORATORY NOTICE

On June 15, 1985 CompuChem Laboratories began adding DJ-2,4-Dinitrophenol to all standards and samples. The purpose of this addition is to enable the laboratory to have higher and more consistent analytical sensitivity for the native 2,4-Dinitrophenol. The peak corresponding to the deuterated analog is clearly labeled on each RIC as DJ#1 and will not be searched and reported as a tentatively identified compound (TIC). This compound is not being used as an internal or surrogate standard.

  
L. Richard Flynn,  
Development Chemist

  
Bob Meier,  
Director of Quality Assurance

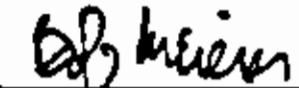


DETECTION LIMIT CALCULATION CLARIFICATION

To protect our GC columns from unnecessary contamination, soil samples prepared according to Caucus Protocol methods are routinely diluted 5:1. Through a series of experiments we have determined that our Instrument Detection Limit for pesticides is 5X lower than the EPA Contract Required Quantitation Limit (CRQL). We, therefore, only adjust our detection limits if the dilution necessary to analyze the sample is greater than 5:1. If the sample is diluted by a factor of X the detection limit is adjusted by X instead of 5.

§

  
Bill DesJardins  
Manager, GC Laboratory

  
Bob Meier  
Director, Quality Assurance

2. By fraction (VOA, SV, PEST) and by sample within each fraction - tabulated target compound results (Form I) and tentatively identified compounds (Form I, TIC) (VOA and SV only)

1A  
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

738001-01

Lab Name: COMPUCHEM LABS Contract: (2-88)-REYS  
 Lab Code: COMPU Case No.: 18410 SAS No.: \_\_\_\_\_ SDG No.: 05  
 Matrix: (soil/water) WATER Lab Sample ID: 301917  
 Sample wt/vol: 5.0 (g/mL) ML Lab File ID: CN001917B12  
 Level: (low/med) LOW Date Received: 11/14/89  
 ‡ Moisture: not dec. \_\_\_\_\_ Date Analyzed: 11/15/89  
 Column: (pack/cap) CAP Dilution Factor: 1.0

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

FORM I VOA

1/87 Rev.

1E  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

738001-01

Lab Name: COMPUCHEM LABS Contract: (2-88)-REVS  
 Lab Code: COMPU Case No.: 18410 SAS No.: \_\_\_\_\_ SDG No.: 05  
 Matrix: (soil/water) WATER Lab Sample ID: 301917  
 Sample wt/vol: 5.0 (g/mL) ML Lab File ID: CN001917B12  
 Level: (low/med) LOW Date Received: 11/14/89  
 % Moisture: not dec. \_\_\_\_\_ Date Analyzed: 11/15/89  
 Column (pack/cap) CAP Dilution Factor: 1.0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

1A  
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

738001-02

Lab Name: COMPUCHEM LABS Contract: (2-88)-REVS  
 Lab Code: COMFU Case No.: 1B410 SAS No.: \_\_\_\_\_ SDG No.: 05  
 Matrix: (soil/water) WATER Lab Sample ID: 301910  
 Sample wt/vol: 5.0 (g/mL) ML Lab File ID: CN001910B12  
 Level: (low/med) LOW Date Received: 11/14/89  
 % Moisture: not dec. \_\_\_\_\_ Date Analyzed: 11/15/89  
 Column: (pack/cap) CAP Dilution Factor: 1.0

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

FORM I VOA

1/87 Rev.

1E  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

738001-02

Lab Name: COMPUCHEM LABS Contract: (2-88)-REVS  
 Lab Code: COMPU Case No.: 18410 SAS No.: \_\_\_\_\_ SDG No.: 05  
 Matrix: (soil/water) WATER Lab Sample ID: 301910  
 Sample wt/vol: 5.0 (g/mL) ML Lab File ID: CN001910B12  
 Level: (low/med) LOW Date Received: 11/14/89  
 % Moisture: not dec. \_\_\_\_\_ Date Analyzed: 11/15/89  
 Column (pack/cap) CAP Dilution Factor: 1.0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

1A  
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

738001-03

Lab Name: COMPUCHEM LABS Contract: (2-88)-REVS  
 Lab Code: COMFU Case No.: 18410 SAS No.: \_\_\_\_\_ SDG No.: 05  
 Matrix: (soil/water) WATER Lab Sample ID: 301918  
 Sample wt/vol: 5.0 (g/mL) ML Lab File ID: CN001918B12  
 Level: (low/med) LOW Date Received: 11/14/89  
 % Moisture: not dec. \_\_\_\_\_ Date Analyzed: 11/15/89  
 Column: (pack/cap) CAP Dilution Factor: 1.0

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

FORM I VOA

1/87 Rev.

1E  
 VOLATILE ORGANICS ANALYSIS DATA SHEET  
 TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

738001-03

Lab Name: COMPUCHEM LABS Contract: (2-88)-REVS  
 Lab Code: COMPU Case No.: 18410 SAS No.: \_\_\_\_\_ SDG No.: 05  
 Matrix: (soil/water) WATER Lab Sample ID: 301918  
 Sample wt/vol: 5.0 (g/mL) ML Lab File ID: CN001918B12  
 Level: (low/med) LOW Date Received: 11/14/89  
 % Moisture: not dec. \_\_\_\_\_ Date Analyzed: 11/15/89  
 Column (pack/cap) CAP Dilution Factor: 1.0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

:



1A  
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

738001-05

Lab Name: COMPUCHEM LABS Contract: (2-88)-REVS  
 Lab Code: COMPU Case No.: 18410 SAS No.: \_\_\_\_\_ SDG No.: 05  
 Matrix: (soil/water) WATER Lab Sample ID: 301937  
 Sample wt/vol: 5.0 (g/mL) ML Lab File ID: EN001937B12  
 Level: (low/med) LOW Date Received: 11/14/89  
 % Moisture: not dec. \_\_\_\_\_ Date Analyzed: 11/15/89  
 Column: (pack/cap) CAP Dilution Factor: 1.0

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

FORM I VOA

1/87 Rev.

1E  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

738001-05

Lab Name: COMPUCHEM LABS Contract: (2-88)-REVS  
 Lab Code: COMPU Case No.: 18410 SAS No.: \_\_\_\_\_ SDG No.: 05  
 Matrix: (soil/water) WATER Lab Sample ID: 301937  
 Sample wt/vol: 5.0 (g/mL) ML Lab File ID: CN001917B12  
 Level: (low/med) LOW Date Received: 11/14/89  
 % Moisture: not dec. \_\_\_\_\_ Date Analyzed: 11/15/89  
 Column (pack/cap) CAP Dilution Factor: 1.0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

1A  
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

738001-06

Lab Name: COMPUCHEM LABS Contract: (2-88)-REVS  
 Lab Code: COMPU Case No.: 18410 SAS No.: \_\_\_\_\_ SDG No.: Q5  
 Matrix: (soil/water) WATER Lab Sample ID: 301939  
 Sample wt/vol: 5.0 (g/mL) ML Lab File ID: CN0019J9A12  
 Level: (low/med) LOW Date Received: 11/14/89  
 % Moisture: not dec. \_\_\_\_\_ Date Analyzed: 11/15/89  
 Column: (pack/cap) CAP Dilution Factor: 1.0

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

FORM I VOA

1/87 Rev.

1E  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

738001-06

Lab Name: COMPUCHEM LABS Contract: (2-88)-REVS  
Lab Code: COMPU Case No.: 18410 SAS No.: \_\_\_\_\_ SDG No.: 05  
Matrix: (soil/water) WATER Lab Sample ID: 301939  
Sample wt/vol: 5.0 (g/mL) ML Lab File ID: CN001939A12  
Level: (low/med) LOW Date Received: 11/14/89  
% Moisture: not dec. \_\_\_\_\_ Date Analyzed: 11/15/89  
Column (pack/cap) CAP Dilution Factor: 1.0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
-----	-----	-----	-----	-----

1A  
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

738001-08

Lab Name: COMPUCHEM LABS Contract: (2-88)-REVS  
 Lab Code: COMFU Case No.: 18410 SAS No.: \_\_\_\_\_ SDG No.: 05  
 Matrix: (soil/water) WATER Lab Sample ID: 301922  
 Sample wt/vol: 5.0 (g/mL) ML Lab File ID: CN001922B12  
 Level: (low/med) LOW Date Received: 11/14/89  
 % Moisture: not dec. \_\_\_\_\_ Date Analyzed: 11/15/89  
 Column: (pack/cap) CAP Dilution Factor: 1.0

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

FORM I VOA

1/87 Rev.

1E  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

738001-08

Lab Name: COMPUCHEM LABS Contract: (2-88)-REVS  
 Lab Code: COMPU Case No.: 18410 SAS No.: \_\_\_\_\_ SDG No.: 05  
 Matrix: (soil/water) WATER Lab Sample ID: 301922  
 Sample wt/vol: 5.0 (g/mL) ML Lab File ID: CN001922B12  
 Level: (low/med) LOW Date Received: 11/14/89  
 % Moisture: not dec. \_\_\_\_\_ Date Analyzed: 11/15/89  
 Column (pack/cap) CAP Dilution Factor: 1.0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

1A  
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

718001-10

Lab Name: COMPUCHEM LABS Contract: (2-88)-REVS  
 Lab Code: COMPU Case No.: 18410 SAS No.: \_\_\_\_\_ SDG No.: 05  
 Matrix: (soil/water) WATER Lab Sample ID: 301938  
 Sample wt/vol: 5.0 (g/mL) ML Lab File ID: CN001938B12  
 Level: (low/med) LOW Date Received: 11/14/89  
 % Moisture: not dec. \_\_\_\_\_ Date Analyzed: 11/15/89  
 Column: (pack/cap) CAP Dilution Factor: 1.0

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

FORM I VOA

1/87 Rev.

1E  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

738001-10

Lab Name: COMPUCHEM LABS Contract: (2-88)-REVS  
 Lab Code: COMPU Case No.: 18410 SAS No.: \_\_\_\_\_ SDG No.: 05  
 Matrix: (soil/water) WATER Lab Sample ID: 301938  
 Sample wt/vol: 5.0 (g/mL) ML Lab File ID: CN001938B12  
 Level: (low/med) LOW Date Received: 11/14/89  
 % Moisture: not dec. \_\_\_\_\_ Date Analyzed: 11/15/89  
 Column (pack/cap) CAP Dilution Factor: 1.0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q



1A  
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

738001-12

Lab Name: COMPUCHEM LABS Contract: (2-88)-REVS  
 Lab Code: COMPU Case No.: 18410 SAS No.: \_\_\_\_\_ SDG No.: 05  
 Matrix: (soil/water) WATER Lab Sample ID: 301909  
 Sample wt/vol: 5.0 (g/mL) ML Lab File ID: CN001909B12  
 Level: (low/med) LQW Date Received: 11/14/89  
 % Moisture: not dec. \_\_\_\_\_ Date Analyzed: 11/15/89  
 Column: (pack/cap) CAP Dilution Factor: 1.0

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

FORM I VOA

1/87 Rev.

1E  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

738001-12

Lab Name: COMPUCHEM LABS Contract: (2-88)-REVS  
 Lab Code: COMPU Case No.: 18410 SAS No.: \_\_\_\_\_ SDG No.: 05  
 Matrix: (soil/water) WATER Lab Sample ID: 301909  
 Sample wt/vol: 5.0 (g/mL) ML Lab File ID: CN001909B12  
 Level: (low/med) LOW Date Received: 11/14/89  
 % Moisture: not dec. \_\_\_\_\_ Date Analyzed: 11/15/89  
 Column (pack/cap) CAP Dilution Factor: 1.0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

1A  
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

738001-13

Lab Name: COMPUCHEM LABS Contract: (2-88)-REVS  
 Lab Code: COMPU Case No.: 18410 SAS No.: \_\_\_\_\_ SDG No.: 05  
 Matrix: (soil/water) WATER Lab Sample ID: 302174  
 Sample wt/vol: 5.0 (g/mL) ML Lab File ID: CN002174B18  
 Level: (low/med) LOW Date Received: 11/15/89  
 % Moisture: not dec. \_\_\_\_\_ Date Analyzed: 11/16/89  
 Column: (pack/cap) CAP Dilution Factor: 1.0

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

FORM I VDA

1/87 Rev.

1E  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

738001-13

Lab Name: COMPUCHEM LABS Contract: (2-88)-REVS  
 Lab Code: COMPU Case No.: 18410 SAS No.: \_\_\_\_\_ SDG No.: 05  
 Matrix: (soil/water) WATER Lab Sample ID: 302174  
 Sample wt/vol: 5.0 (g/mL) ML Lab File ID: CN002174B18  
 Level: (low/med) LOW Date Received: 11/15/89  
 % Moisture: not dec. \_\_\_\_\_ Date Analyzed: 11/16/89  
 Column (pack/cap) CAP Dilution Factor: 1.0

Number TICs found: 7 CONCENTRATION UNITS:  
(ug/L or ug/Eg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	3.88	53	J
2.	TRANSDIMETHYLOXETANE ISOMER	4.88	13	J
3.	TRANSDIMETHYLOXETANE ISOMER	5.02	15	J
4.	UNKNOWN	5.45	100	J
5. 1072-47-5	1,3-DIOXOLANE, 4-METHYL-	5.82	210	J
6. 2935-44-6	2,5-HEXANEDIOL	6.60	26	J
7. 3377-87-5	HEXANE, 3-BROMO-	6.92	14	J

1A  
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

738001-14

Lab Name: COMPUCHEM LABS Contract: (2-88)-REVS  
 Lab Code: COMPU Case No.: 18410 SAS No.: \_\_\_\_\_ SDG No.: 05  
 Matrix: (soil/water) WATER Lab Sample ID: 302175  
 Sample wt/vol: 5.0 (g/mL) ML Lab File ID: CN002175B18  
 Level: (low/med) LOW Date Received: 11/15/89  
 % Moisture: not dec. \_\_\_\_\_ Date Analyzed: 11/16/89  
 Column: (pack/cap) CAP Dilution Factor: 1.0

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

FORM I VOA

1/87 Rev.

1E  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

738001-14

Lab Name: COMPUCHEM LABS Contract: (2-88)-REVS  
 Lab Code: COMPU Case No.: 18410 SAS No.: \_\_\_\_\_ SDG No.: Q5  
 Matrix: (soil/water) WATER Lab Sample ID: 302175  
 Sample wt/vol: 5.0 (g/mL) ML Lab File ID: CN002175B18  
 Level: (low/med) LOW Date Received: 11/15/89  
 % Moisture: not dec. \_\_\_\_\_ Date Analyzed: 11/16/89  
 Column (pack/cap) CAP Dilution Factor: 1.0

Number TICs found: 6 CONCENTRATION UNITS:  
(ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	3.85	57	J
2.	TRANSDIMETHYLEXETANE ISOMER	4.83	13	J
3.	TRANSDIMETHYLOXETANE ISOMER	4.97	18	J
4. 1072-47-5	1,3-DIOXOLANE, 4-METNYL-	5.78	210	J
5. 2935-44-6	2,5-HEXANEDIOL	6.55	25	J
6. 3377-87-5	HEXANE, 1-BROMO-	6.90	13	J

1A  
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

738001-15

Lab Name: COMPUCHEM LABS Contract: (2-88)-REVS  
 Lab Code: COMPU Case No.: 18410 SAS No.: \_\_\_\_\_ SDG No.: 05  
 Matrix: (soil/water) WATER Lab Sample ID: 302150  
 Sample wt/vol: 5.0 (g/mL) ML Lab File ID: CN002150C18  
 Level: (low/med) LOW Date Received: 11/15/89  
 % Moisture: not dec. \_\_\_\_\_ Date Analyzed: 11/16/89  
 Column: (pack/cap) CAP Dilution Factor: 1.0

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

FORM I VOA

1/87 Rev.

1E  
 VOLATILE ORGANICS ANALYSIS DATA SHEET  
 TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

738001-15

Lab Name: COMPUCHEM LABS Contract: (2-88)-REVS  
 Lab Code: COMPU Case No.: 18410 SAS No.: \_\_\_\_\_ SDG No.: 05  
 Matrix: (soil/water) WATER Lab Sample ID: 302150  
 Sample wt/Vol: 5.0 (g/mL) ML Lab File ID: CN002150C18  
 Level: (low/med) LOW Date Received: 11/15/89  
 % Moisture: not dec. \_\_\_\_\_ Date Analyzed: 11/16/89  
 Column (pack/cap) CAP Dilution Factor: 1.0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
=====	=====	=====	=====	=====



1A  
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

738001-16

Lab Name: COMPUCHEM LABS Contract: (2-88)-REV9  
 Lab Code: COMPU Case No.: 18410 SAS No.: \_\_\_\_\_ BDG No.: 05  
 Matrix: (soil/water) WATER Lab Sample ID: 302154  
 Sample wt/vol: 5.0 (g/mL) ML Lab File ID: CN002154A18  
 Level: (low/med) LOW Date Received: 11/15/89  
 % Moisture: not dec. \_\_\_\_\_ Date Analyzed: 11/16/89  
 Column: (pack/cap) CAP Dilution Factor: 1.0

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

FORM I VOA

1/87 Rev.

1E  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

738001-16

Lab Name: COMPUCHEM LABS Contract: (2-88)-REVS  
 Lab Code: COMFU Case No.: 18410 SAS No.: \_\_\_\_\_ SDG No.: 05  
 Matrix: (soil/water) WATER Lab Sample ID: 302154  
 Sample wt/vol: 5.0 (g/mL) ML Lab File ID: CN002154A1B  
 Level: (low/med) LOW Date Received: 11/15/89  
 % Moisture: not dec. \_\_\_\_\_ Date Analyzed: 11/16/89  
 Column (pack/cap) CAP Dilution Factor: 1.0

Number TICs found: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

1A  
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

738001-17

Lab Name: COMPUCHEM LABS Contract: (2-88)-REVS  
 Lab Code: COMPU Case No.: 18410 SAS No.: \_\_\_\_\_ SDG No.: 05  
 Matrix: (soil/water) WATER Lab Sample ID: 302172  
 Sample wt/vol: 5.0 (g/mL) ML Lab File ID: CR002172B18  
 Level: (low/med) LOW Date Received: 11/15/89  
 % Moisture: not dec. \_\_\_\_\_ Date Analyzed: 11/16/89  
 Column: (pack/cap) CAP Dilution Factor: 1.0

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

FORM I VOA

1/87 Rev.

1E  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

738001-17

Lab Name: COMPUCHEM LABS Contract: (2-88)-REVS  
 Lab Code: COMPU Case No.: 18410 SAS No.: \_\_\_\_\_ SDG No.: 05  
 Matrix: (soil/water) WATER Lab Sample ID: 302172  
 Sample wt/vol: 5.0 (g/mL) ML Lab File ID: CR002172B18  
 Level: (low/med) LOW Date Received: 11/15/89  
 † Moisture: not dec. \_\_\_\_\_ Date Analyzed: 11/16/89  
 Column (pack/cap) CAP Dilution Factor: 1.0

Number TICs found: 1

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 1072-47-5	1,3-DIOXOLANE, 4-METHYL-	5.80	6.0	J

FORM I VOA-TIC

1/87 Rev.

1A  
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

738001-18

Lab Name: COMPUCHEM LABS Contract: (2-88)-REVS  
 Lab Code: COMPU Case No.: 18410 SAS No.: \_\_\_\_\_ SDG No.: 05  
 Matrix: (soil/water) WATER Lab Sample ID: 302173  
 Sample wt/vol: 5.0 (g/mL) ML Lab File ID: CN002173B18  
 Level: (low/med) LOW Date Received: 11/15/89  
 % Moisture: not dec. \_\_\_\_\_ Date Analyzed: 11/16/89  
 Column: (pack/cap) CAP Dilution Factor: 1.0

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

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

FORM I VOA

1/87 Rev.

1E  
 VOLATILE ORGANICS ANALYSIS DATA SHEET  
 TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

738001-18

Lab Name: COMPUCHEM LABS Contract: (2-88)-REVS  
 Lab Code: COMPU Case No.: 18410 SAS No.: \_\_\_\_\_ SDG No.: 05  
 Matrix: (soil/water) WATER Lab Sample ID: 302173  
 Sample wt/vol: 5.0 (g/mL) ML Lab File ID: CN002173B18  
 Level: (low/med) LOW Date Received: 11/15/89  
 % Moisture: not dec. \_\_\_\_\_ Date Analyzed: 11/15/89  
 Column (pack/cap) CAP Dilution Factor: 1.0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 60-29-7	ETHANE, 1,1'-OXYBIS-	1.78	9.0	J

1A  
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

738001-21

Lab Name: COMPUCHEM LABS Contract: (2-88)-REYS  
 Lab Code: COMPU Case No.: 18410 SA5 No.: \_\_\_\_\_ SDG No.: 05  
 Matrix: (soil/water) WATER Lab Sample ID: 302168  
 Sample wt/vol: 5.0 (g/mL) ML Lab File ID: CN002168B18  
 Level: (low/med) LOW Date Received: 11/15/89  
 % Moisture: not dec. \_\_\_\_\_ Date Analyzed: 11/16/89  
 Column: (pack/cap) CAP Dilution Factor: 1.0

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

FORM I VOA

1/87 Rev.

1E  
 VOLATILE ORGANICS ANALYSIS DATA SHEET  
 TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

738001-21

Lab Name: COMPUCHEM LABS Contract: (2-88)-REVS  
 Lab Code: COMPU Case No.: 18410 SAS No.: \_\_\_\_\_ SDG No.: 05  
 Matrix: (soil/water) WATER Lab Sample ID: 302168  
 Sample wt/vol: 5.0 (g/mL) ML Lab File ID: CN002168B1R  
 Level: (low/med) LOW Date Received: 11/15/89  
 % Moisture: not dec. \_\_\_\_\_ Date Analyzed: 11/16/89  
 Column (pack/cap) CAP Dilution Factor: 1.0

Number TICs found: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
-----	-----	-----	-----	-----



LA  
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

738001-22

Lab Name: COMPUCHEM LABS Contract: (2-88)-REVS  
 Lab Code: COMPV Case No.: 18410 SAS No.: \_\_\_\_\_ SDG No.: 05  
 Matrix: (soil/water) WATER Lab Sample ID: 302155  
 Sample wt/vol: 5.0 (g/mL) ML Lab File ID: CRO02155A1B  
 Level: (low/med) LOW Date Received: 11/15/89  
 % Moisture: not dec. \_\_\_\_\_ Date Analyzed: 11/16/89  
 Column: (pack/cap) CAP Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/L</u>	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	430	E
67-64-1	-----Acetone	280	E
75-15-0	-----Carbon Disulfide	5	U
75-35-4	-----1,1-Dichloroethene	5	U
75-34-3	-----1,1-Dichloroethane	8	
540-59-0	-----1,2-Dichloroethene (total)	10	
67-66-3	-----Chloroform	5	U
107-06-2	-----1,2-Dichloroethane	3	J
78-93-3	-----2-Butanone	40	
71-55-6	-----1,1,1-Trichloroethane	5	U
56-23-5	-----Carbon Tetrachloride	5	U
108-05-4	-----Vinyl Acetate	10	U
75-27-4	-----Bromodichloromethane	5	U
78-87-5	-----1,2-Dichloropropane	5	U
10061-01-5	-----cis-1,3-Dichloropropene	5	U
79-01-6	-----Trichloroethene	30	
124-48-1	-----Dibromochloromethane	5	U
79-00-5	-----1,1,2-Trichloroethane	5	U
71-43-2	-----Benzene	9	
10061-02-6	-----Trans-1,3-Dichloropropene	5	U
75-25-2	-----Bromoform	5	U
108-10-1	-----4-Methyl-2-Pentanone	49	
591-78-6	-----2-Hexanone	10	U
127-18-4	-----Tetrachloroethene	5	U
79-34-5	-----1,1,2,2-Tetrachloroethane	5	U
108-98-3	-----Toluene	6	
108-90-7	-----Chlorobenzene	5	U
100-41-4	-----Ethylbenzene	5	U
100-42-5	-----Styrene	5	U
1330-20-7	-----Total Xylenes	1	J

FORM I VDA

1/87 Rev.

1E  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

738001-22

Lab Name: COMPUCHEM LABS Contract: (2-88)-REVS  
 Lab Code: COMPU Case No.: 18410 SAS No.: \_\_\_\_\_ SDG No.: 05  
 Matrix: (soil/water) WATER Lab Sample ID: 302155  
 Sample wt/vol: 5.0 (g/mL) ML Lab File ID: CR002155A18  
 Level: (low/med) LOW Date Received: 11/15/89  
 % Moisture: not dec. \_\_\_\_\_ Date Analyzed: 11/16/89  
 Column (pack/cap) CAP Dilution Factor: 1.0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	2.12	44	J

1A  
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

738001-22RE

Lab Name: COMPUCHEM LABS Contract: (2-88)-REVS  
 Lab Code: COMPU Case No.: 18410 SAS No.: \_\_\_\_\_ SDG No.: 05  
 Matrix: (soil/water) WATER Lab Sample ID: 302155  
 Sample wt/vol: 1.8 (g/mL) ML Lab File ID: C2R02155A1R  
 Level: (low/med) LOW Date Received: 11/15/89  
 % Moisture: not dec. \_\_\_\_\_ Date Analyzed: 11/16/89  
 Column: (pack/cap) CAP Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/L</u>	Q
74-87-3	Chloromethane	28	U
74-83-9	Bromomethane	28	U
75-01-4	Vinyl Chloride	28	U
75-00-3	Chloroethane	28	U
75-09-2	Methylene Chloride	420	D
67-64-1	Acetone	280	D
75-15-0	Carbon Disulfide	14	U
75-35-4	1,1-Dichloroethene	14	U
75-34-3	1,1-Dichloroethane	7	DJ
540-59-0	1,2-Dichloroethene (total)	9	DJ
67-66-3	Chloroform	14	U
107-06-2	1,2-Dichloroethane	14	U
78-93-3	2-Butanone	26	DJ
71-55-6	1,1,1-Trichloroethane	14	U
56-23-5	Carbon Tetrachloride	14	U
108-05-4	Vinyl Acetate	28	U
75-27-4	Bromodichloromethane	14	U
78-87-5	1,2-Dichloropropane	14	U
10061-01-5	cis-1,3-Dichloropropene	14	U
79-01-6	Trichloroethene	28	D
124-48-1	Dibromochloromethane	14	U
79-00-5	1,1,2-Trichloroethane	14	U
71-43-2	Benzene	9	DJ
10061-02-6	Trans-1,3-Dichloropropene	14	U
75-25-2	Bromoform	14	U
108-10-1	4-Methyl-2-Pentanone	56	D
591-78-6	2-Hexanone	28	U
127-18-4	Tetrachloroethene	14	U
79-34-5	1,1,2,2-Tetrachloroethane	14	U
108-88-3	Toluene	6	DJ
108-90-7	Chlorobenzene	14	U
100-41-4	Ethylbenzene	14	U
100-42-5	Styrene	14	U
1330-20-7	Total Xylenes	14	U

FORM I VOA

1/87 Rev.

1E  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

738001-22RE

Lab Name: COMPUCHEM LABS Contract: (2-88)-REVS  
 Lab Code: COMPU Case No.: 18410 SAS No.: \_\_\_\_\_ SDG No.: 05  
 Matrix: (soil/water) WATER Lab Sample ID: 302155  
 Sample wt/vol: 1.8 (g/mL) ML Lab File ID: C2R02155A18  
 Level: (low/med) LOW Date Received: 11/15/89  
 % Moisture: not dec. \_\_\_\_\_ Date Analyzed: 11/16/89  
 Column (pack/cap) CAP Dilution Factor: 1.0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	2.08	42	J

1A  
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

738001-23

Lab Name: COMPUCHEM LABS Contract: (2-88)-REVS

Lab Code: COMPU Case No.: 18410 SAS No.: \_\_\_\_\_ SDG No.: 05

Matrix: (soil/water) WATER Lab Sample ID: 302182

Sample wt/vol: 2.4 (g/mL) ML Lab File ID: CR002182B18

Level: (low/med) LOW Date Received: 11/15/89

% Moisture: not dec. \_\_\_\_\_ Date Analyzed: 11/16/89

Column: (pack/cap) CAP Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/L</u>	Q
74-87-3	Chloromethane	21	U
74-83-9	Bromomethane	21	U
75-01-4	Vinyl Chloride	21	U
75-00-3	Chloroethane	48	
75-09-2	Methylene Chloride	3	J
67-64-1	Acetone	21	U
75-15-0	Carbon Disulfide	17	
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	21	U
71-55-6	1,1,1-Trichloroethane	10	U
56-23-5	Carbon Tetrachloride	10	U
108-05-4	Vinyl Acetate	21	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	100	
10061-02-6	Trans-1,3-Dichloropropene	10	U
110-75-8	2-Chloroethylvinylether	10	U
75-25-2	Bromoform	10	U
108-10-1	4-Methyl-2-Pentanone	21	U
591-78-6	2-Hexanone	21	U
127-18-4	Tetrachloroethene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
108-88-3	Toluene	12	
108-90-7	Chlorobenzene	21	
100-41-4	Ethylbenzene	150	
100-42-5	Styrene	10	U
1330-20-7	Total Xylenes	380	

FORM I VOA

1/87 Rev.

1E  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

738001-23

Lab Name: COMPUCHEM LABS Contract: (2-88)-REVS  
 Lab Code: COMPU Case No.: 18410 SAS No.: \_\_\_\_\_ SDG No.: 05  
 Matrix: (soil/water) WATER Lab Sample ID: 302182  
 Sample wt/vol: 2.4 (g/mL) ML Lab File ID: CR002182B18  
 Level: (low/med) LOW Date Received: 11/15/89  
 % Moisture: not dec. \_\_\_\_\_ Date Analyzed: 11/16/89  
 Column (pack/cap) CAP Dilution Factor: 1.00

Number TICs found: 6 CONCENTRATION UNITS:  
(ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 60-29-7	ETHANE, 1,1'-OXYBIS-	1.77	230	J
2. 108-20-3	PROPANE, 2,2'-OXYBIS-	3.80	31	J
3. 620-14-4	BENZENE, 1-ETHYL-3-METHYL-	13.85	27	J
4.	TRIMETHYLBENZENE ISOMER	14.04	8.3	J
5. 611-14-3	BENZENE, 1-ETHYL-2-METHYL-	14.35	12	J
6.	TRIMETHYLBENZENE ISOMER	14.70	42	J

FORM I VOA-TIC

1/87 Rev.

1A  
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

738001-24

Lab Name: COMPUCHEM LABS Contract: (2-88)-REVS  
 Lab Code: COMPU Case No.: 18410 SAS No.: \_\_\_\_\_ SDG No.: 05  
 Matrix: (soil/water) WATER Lab Sample ID: 302176  
 Sample wt/vol: 5.0 (g/mL) ML Lab File ID: CN002176B18  
 Level: (low/med) LOW Date Received: 11/15/89  
 % Moisture: not dec. \_\_\_\_\_ Date Analyzed: 11/16/89  
 Column: (pack/cap) CAP Dilution Factor: 1.0

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

FORM I VOA

1/87 Rev.

1E  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

738001-24

Lab Name: COMPUCHEM LABS Contract: (2-88)-REVS  
 Lab Code: COMPU Case No.: 1B410 SAS No.: \_\_\_\_\_ SDG No.: 05  
 Matrix: (soil/water) WATER Lab Sample ID: 302176  
 Sample wt/vol: 5.0 (g/mL) ML Lab File ID: CN002176B18  
 Level: (low/med) LOW Date Received: 11/15/89  
 % Moisture: not dec. \_\_\_\_\_ Date Analyzed: 11/15/89  
 Column (pack/cap) CAP Dilution Factor: 1.0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q



1A  
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

738001-25

Lab Name: COMPUCHEM LABS Contract: (2-88)-REVS  
 Lab Code: COMPU Case No.: 18410 SAS No.: \_\_\_\_\_ SDG No.: 05  
 Matrix: (soil/water) WATER Lab Sample ID: 302157  
 Sample wt/vol: 5.0 (g/mL) ML Lab File ID: CN002157A18  
 Level: (low/med) LOW Date Received: 11/15/89  
 % Moisture: not dec. \_\_\_\_\_ Date Analyzed: 11/16/89  
 Column: (pack/cap) CAP Dilution Factor: 1.0

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

FORM I VOA

1/87 Rev.

1E  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

738001-25

Lab Name: COMPUCHEM LABS Contract: (2-88)-REVS  
 Lab Code: COMPU Case No.: 18410 SAS No.: \_\_\_\_\_ SDG No.: 05  
 Matrix: (soil/water) WATER Lab Sample ID: 102157  
 Sample wt/vol: 5.0 (g/mL) ML Lab File ID: CN002157A18  
 Level: (low/med) LOW Date Received: 11/15/89  
 \* Moisture: not dec. \_\_\_\_\_ Date Analyzed: 11/16/89  
 Column (pack/cap) CAP Dilution Factor: 1.0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

1A  
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

738001-26

Lab Name: COMPUCHEM LABS Contract: (2-89)-REVS  
 Lab Code: COMFU Case No.: 18410 SAS No.: \_\_\_\_\_ SDG No.: 05  
 Matrix: (soil/water) WATER Lab Sample ID: 302166  
 Sample wt/vol: 5.0 (g/mL) ML Lab File ID: CN002166B18  
 Level: (low/med) LOW Date Received: 11/15/89  
 % Moisture: not dec. \_\_\_\_\_ Date Analyzed: 11/16/89  
 Column: (pack/cap) CAP Dilution Factor: 1.0

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

FORM I VOA

1/87 Rev.

1E  
 VOLATILE ORGANICS ANALYSIS DATA SHEET  
 TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

738001-26

Lab Name: COMPUCHEM LABS Contract: (2-88)-REYS  
 Lab Code: COMPU Case No.: 18410 SAS No.: \_\_\_\_\_ SDG No.: 05  
 Matrix: (soil/water) WATER Lab Sample ID: 302166  
 Sample wt/vol: 5.0 (g/mL) ML Lab File ID: CN002166B18  
 Level: (low/med) LOW Date Received: 11/15/89  
 % Moisture: not dec. \_\_\_\_\_ Date Analyzed: 11/16/89  
 Column (pack/cap) CAP Dilution Factor: 1.0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
=====	=====	=====	=====	=====

1A  
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

718001-10MS

Lab Name: COMPUCHEM LABS Contract: (2-88)-REVS  
 Lab Code: COMPU Case No.: 18410 SAS No.: \_\_\_\_\_ SDG No.: 05  
 Matrix: (soil/water) WATER Lab Sample ID: 301923  
 Sample wt/vol: 5.0 (g/mL) ML Lab File ID: CN001923B12  
 Level: (low/med) LOW Date Received: 11/14/89  
 % Moisture: not dec. \_\_\_\_\_ Date Analyzed: 11/15/89  
 Column: (pack/cap) CAP Dilution Factor: 1.0

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

FORM I VOA

1/87 Rev.

1A  
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

738001-10MSD

Lab Name: COMPUCHEM LABS Contract: (2-88)-REVS  
 Lab Code: COMPU Case No.: 18410 SAS No.: \_\_\_\_\_ SDG No.: 05  
 Matrix: (soil/water) WATER Lab Sample ID: 301924  
 Sample wt/vol: 5.0 (g/mL) ML Lab File ID: CN001924B12  
 Level: (low/med) LOW Date Received: 11/14/89  
 % Moisture: not dec. \_\_\_\_\_ Date Analyzed: 11/15/89  
 Column: (pack/cap) CAP Dilution Factor: 1.0

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

FORM I VOA

1/87 Rev.

1B  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

718001-05

Lab Name: COMPUCHEM LABS Contract: (2-88)-REVS  
 Lab Code: COMPJ Case No.: 10410 SAS No.: \_\_\_\_\_ SDG No.: 05  
 Matrix: (soil/water) WATER Lab Sample ID: 301937  
 Sample wt/vol: 1000 (g/mL) ML Lab File IO: GH001937B06  
 Level: (low/med) LOW Date Received: 11/14/89  
 % Moisture: not dec. \_\_\_\_\_ dec. \_\_\_\_\_ Date Extracted: 11/16/89  
 Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 11/17/89  
 GPC Cleanup: (Y/N) N pH: \_\_\_\_\_ Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS:	
		(ug/L or ug/Kg)	<u>UG/L</u>
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
100-51-6	Benzyl Alcohol	10	U
95-50-1	1,2-Dichlorobenzene	10	U
95-48-7	2-Methylphenol	10	U
39638-32-9	bis(2-Chloroisopropyl) Ether	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
65-85-0	Benzoic Acid	50	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	50	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	50	U
131-11-3	Dimethyl Phthalate	10	U
208-96-8	Acenaphthylene	10	U
606-20-2	2,6-Dinitrotoluene	10	U

FORM I SV-1

1/87 Rev.

1C  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

738001-05

Lab Name: COMPUCHEM LABS Contract: (2-88)-REVS  
 Lab Code: COMPU Case No.: 18410 SAS No.: \_\_\_\_\_ SDG No.: 05  
 Matrix: (soil/water) WATER Lab Sample ID: 101937  
 Sample wt/vol: 1000 (g/mL) ML Lab File ID: GH001937R06  
 Level: (low/med) LOW Date Received: 11/14/89  
 % Moisture: not dec. \_\_\_\_\_ dec. \_\_\_\_\_ Date Extracted: 11/16/89  
 Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 11/17/89  
 GPC Cleanup: (Y/N) N pH: \_\_\_\_\_ Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/L</u>	Q
99-09-2	3-Nitroaniline	50	U
83-32-9	Acenaphthene	10	U
51-28-5	2,4-Dinitrophenol	50	U
100-02-7	4-Nitrophenol	50	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	50	U
534-52-1	4,6-Dinitro-2-Methylphenol	50	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	50	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	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	20	U
56-55-3	Benzo(a)Anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	bis(2-Ethylhexyl) Phthalate	10	U
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	Dibenzo(a,h) Anthracene	10	U
191-24-2	Benzo(g,h,i) Perylene	10	U

(1) - Cannot be separated from Diphenylamine

FORM I SV-2

1/87 Rev.



1F  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

738001-05

Lab Name: COMPUCHEM LABS Contract: (2-88)-REVS  
 Lab Code: COMPU Case No.: 18410 SAS No.: \_\_\_\_\_ SDG No.: 05  
 Matrix: (soil/water) WATER Lab Sample ID: 101937  
 Sample wt/vol: 1000 (g/mL) ML Lab File ID: GH001917B06  
 Level: (low/med) LOW Date Received: 11/14/89  
 % Moisture: not dec. \_\_\_\_\_ dec. \_\_\_\_\_ Date Extracted: 11/16/89  
 Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 11/17/89  
 GPC Cleanup: (Y/N) N pH: \_\_\_\_\_ Dilution Factor: 1.0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

1B  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

738001-06

Lab Name: COMPUCHEM LABS Contract: (2-88)-REVS  
 Lab Code: COMPU Case No.: 18410 SAS No.: \_\_\_\_\_ SDG No.: 05  
 Matrix: (soil/water) WATER Lab Sample ID: 301939  
 Sample wt/vol: 1000 (g/mL) ML Lab File ID: GH001939A06  
 Level: (low/med) LOW Date Received: 11/15/89  
 % Moisture: not dec. \_\_\_\_\_ dec. \_\_\_\_\_ Date Extracted: 11/16/89  
 Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 11/18/89  
 CPC Cleanup: (Y/N) N pH: \_\_\_\_\_ Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/L</u>	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
100-51-6	Benzyl Alcohol	10	U
95-50-1	1,2-Dichlorobenzene	10	U
95-48-7	2-Methylphenol	10	U
39638-32-9	bis(2-Chloroisopropyl)Ether	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
65-85-0	Benzoic Acid	50	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	50	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	50	U
131-11-3	Dimethyl Phthalate	10	U
208-96-8	Acenaphthylene	10	U
606-20-2	2,6-Dinitrotoluene	10	U

FORM I SV-1

1/87 Rev.

1C  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

7J8001-06

Lab Name: COMPUCHEM LABS Contract: (2-88)-REVS  
 Lab Code: COMPU Case No.: 18410 SAS No.: \_\_\_\_\_ SDG No.: 05  
 Matrix: (soil/water) WATER Lab Sample ID: 101919  
 Sample wt/vol: 1000 (g/mL) ML Lab File ID: GHD01939A06  
 Level: (low/med) LOW Date Received: 11/15/89  
 % Moisture: not dec. \_\_\_\_\_ dec. \_\_\_\_\_ Date Extracted: 11/15/89  
 Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 11/18/89  
 GPC Cleanup: (Y/N) N pH: \_\_\_\_\_ Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
99-09-2	3-Nitroaniline	50	U
83-32-9	Acenaphthene	10	U
51-28-5	2,4-Dinitrophenol	50	U
100-02-7	4-Nitrophenol	50	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	50	U
534-52-1	4,6-Dinitro-2-Methylphenol	50	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	50	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	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	20	U
56-55-3	Benzo(a)Anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	bis(2-Ethylhexyl)Phthalate	10	U
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	Dibenzo(a,h)Anthracene	10	U
191-24-2	Benzo(g,h,i)Perylene	10	U

(1) - Cannot be separated from Diphenylamine

FORM I SV-2

1/87 Rev.

1F  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

738001-06

Lab Name: COMPUCHEM LABS Contract: (2-88)-REVS  
 Lab Code: COMPU Case No.: 18410 SAS No.: \_\_\_\_\_ SDG No.: 05  
 Matrix: (soil/water) WATER Lab Sample ID: 301939  
 Sample wt/vol: 1000 (g/mL) ML Lab File ID: GH001919A06  
 Level: (low/med) LOW Date Received: 11/15/89  
 % Moisture: not dec. \_\_\_\_\_ dec. \_\_\_\_\_ Date Extracted: 11/16/89  
 Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 11/18/89  
 GPC Cleanup: (Y/N) N pH: \_\_\_\_\_ Dilution Factor: 1.0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	6.18	18	J
2.	UNKNOWN	6.92	56	J

1B  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

738001-06RE

Lab Name: COMPUCHEM LABS Contract: (2-88)-REVS  
 Lab Code: COMPU Case No.: 1841Q SAS No.: \_\_\_\_\_ SDG No.: 05  
 Matrix: (soil/water) WATER Lab Sample ID: 301939  
 Sample wt/vol: 1000 (g/mL) ML Lab File ID: GR001929A15  
 Level: (low/med) LOW Date Received: 11/14/89  
 % Moisture: not dec. \_\_\_\_\_ dec. \_\_\_\_\_ Date Extracted: 11/17/89  
 Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 11/20/89  
 GPC Cleanup: (Y/N) N pH: \_\_\_\_\_ Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS:	
		(ug/L or ug/Kg)	UG/L
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
100-51-6	Benzyl Alcohol	10	U
95-50-1	1,2-Dichlorobenzene	10	U
95-48-7	2-Methylphenol	10	U
39638-32-9	bis(2-Chloroisopropyl) Ether	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
65-85-0	Benzoic Acid	50	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	50	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	50	U
131-11-3	Dimethyl Phthalate	10	U
208-96-8	Acenaphthylene	10	U
606-20-2	2,6-Dinitrotoluene	10	U

FORM I SV-1

1/87 Rev.

1C  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

738001-06RE

Lab Name: COMPUCHEM LABS Contract: (2-88)-REVS  
 Lab Code: COMPU Case No.: 18410 SAS No.: \_\_\_\_\_ SDG No.: 05  
 Matrix: (soil/water) WATER Lab Sample ID: 301939  
 Sample wt/vol: 1000 (g/mL) ML Lab File ID: GR001939A15  
 Level: (low/med) LOW Date Received: 11/14/89  
 % Moisture: not dec. \_\_\_\_\_ dec. \_\_\_\_\_ Date Extracted: 11/17/89  
 Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 11/20/89  
 GPC Cleanup: (Y/N) N pH: \_\_\_\_\_ Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/L</u>	Q
99-09-2	3-Nitroaniline	50	U
83-32-9	Acenaphthene	10	U
51-28-5	2,4-Dinitrophenol	50	U
100-02-7	4-Nitrophenol	50	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	50	U
534-52-1	4,6-Dinitro-2-Methylphenol	50	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	50	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	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	20	U
56-55-3	Benzo(a)Anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	bis(2-Ethylhexyl) Phthalate	10	U
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	Dibenzo(a,h)Anthracene	10	U
191-24-2	Benzo(g,h,i)Perylene	10	U

(1) - Cannot be separated from Diphenylamine

FORM I SV-2

1/87 Rev.

1F  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

738001-06RE

Lab Name: COMPUCHEM LABS Contract: (2-88)-REVS  
 Lab Code: COMPU Case No.: 18410 SAS No.: \_\_\_\_\_ SDG No.: 05  
 Matrix: (soil/water) WATER Lab Sample ID: 301939  
 Sample wt/vol: 1000 (g/mL) ML Lab File ID: GR001939A15  
 Level: (low/med) LOW Date Received: 11/14/89  
 % Moisture: not dec. \_\_\_\_\_ dec. \_\_\_\_\_ Date Extracted: 11/17/89  
 Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 11/20/89  
 GPC Cleanup: (Y/N) N pH: \_\_\_\_\_ Dilution Factor: 1.0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	6.35	22	J
2.	UNKNOWN	7.20	32	J

1B  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

738001-10

Lab Name: COMPUCHEM LABS Contract: (2-88)-REVS  
 Lab Code: COMPU Case No.: 18410 SAS No.: \_\_\_\_\_ SDG No.: 05  
 Matrix: (soil/water) WATER Lab Sample ID: 301938  
 Sample wt/vol: 500 (g/mL) ML Lab File ID: GH001938A06  
 Level: (low/med) LOW Date Received: 11/14/89  
 % Moisture: not dec. \_\_\_\_\_ dec. \_\_\_\_\_ Date Extracted: 11/16/89  
 Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 11/19/89  
 GPC Cleanup: (Y/N) N pH: \_\_\_\_\_ Dilution Factor: 0.50

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/L</u>	<u>Q</u>
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
100-51-6	Benzyl Alcohol	10	U
95-50-1	1,2-Dichlorobenzene	10	U
95-48-7	2-Methylphenol	10	U
39638-32-9	bis(2-Chloroisopropyl) Ether	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
65-85-0	Benzoic Acid	50	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	50	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	50	U
131-11-3	Dimethyl Phthalate	10	U
208-96-8	Acenaphthylene	10	U
606-20-2	2,6-Dinitrotoluene	10	U

FORM I SV-1

1/87 Rev.



1C  
SEMI-VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

738001-10

Lab Name: COMPUCHEM LAHS Contract: (2-88)-REVS  
 Lab Code: COMPU Case No.: 18410 SAS No.: \_\_\_\_\_ SDG No.: 05  
 Matrix: (soil/water) WATER Lab Sample ID: 301938  
 Sample wt/vol: 500 (g/mL) ML Lab File ID: GH001938A06  
 Level: (low/med) LOW Date Received: 11/14/89  
 % Moisture: not dec. \_\_\_\_\_ dec. \_\_\_\_\_ Date Extracted: 11/16/89  
 Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 11/18/89  
 GPC Cleanup: (Y/N) N pH: \_\_\_\_\_ Dilution Factor: 0.50

CAS NO.	COMPOUND	CONCENTRATION UNITS:	
		(ug/L or ug/Kg)	UG/L
99-09-2	3-Nitroaniline	50	U
83-32-9	Acenaphthene	10	U
51-28-5	2,4-Dinitrophenol	50	U
100-02-7	4-Nitrophenol	50	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	50	U
534-52-1	4,6-Dinitro-2-Methylphenol	50	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	50	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	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	20	U
56-55-3	Benzo(a)Anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	bis(2-Ethylhexyl) Phthalate	10	U
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	Dibenzo(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.

738001-10

Lab Name: COMPUCHEM LABS Contract: (2-88)-REVS  
 Lab Code: COMPU Case No.: 18410 SAS No.: \_\_\_\_\_ SDG No.: 05  
 Matrix: (soil/water) WATER Lab Sample ID: 301938  
 Sample wt/vol: 500 (g/mL) ML Lab File ID: GH001938A06  
 Level: (low/med) LOW Date Received: 11/14/89  
 % Moisture: not dec. \_\_\_\_\_ dec. \_\_\_\_\_ Date Extracted: 11/16/89  
 Extraction: (SapF/Cont/Sonc) SEPF Date Analyzed: 11/18/89  
 GPC Cleanup: (Y/N) N pH: \_\_\_\_\_ Dilution Factor: 0.50

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	17.85	18	J
2.	UNKNDWN SUBSTITUTED HEPTANDI	18.94	32	J

1B  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

738001-13

Lab Name: COMPUCHEM LABS Contract: (2-88)-REVS

Lab Code: COMPU Case No.: 18410 SAS No.: \_\_\_\_\_ SDG No.: 05

Matrix: (soil/water) WATER Lab Sample ID: 302174

Sample wt/vol: 1000 (g/mL) ML Lab File ID: GH002174B06

Level: (low/med) LOW Date Received: 11/15/89

% Moisture: not dec. \_\_\_\_\_ dec. \_\_\_\_\_ Date Extracted: 11/16/89

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 11/19/89

GPC Cleanup: (Y/N) N pH: \_\_\_\_\_ Dilution Factor: 1.0

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
100-51-6	Benzyl Alcohol	10	U
95-50-1	1,2-Dichlorobenzene	10	U
95-48-7	2-Methylphenol	10	U
39638-32-9	bis(2-Chloroisopropyl) Ether	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
65-85-0	Benzoic Acid	50	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	50	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	50	U
131-11-3	Dimethyl Phthalate	10	U
208-96-8	Acenaphthylene	10	U
606-20-2	2,6-Dinitrotoluene	10	U

FORM I SV-1

1/87 Rev.

1C  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

718001-13

Lab Name: COMPUCHEM LABS Contract: (2-88)-REVS  
 Lab Code: COMPU Case No.: 18410 SAS No.: \_\_\_\_\_ SDG No.: 05  
 Matrix: (soil/water) WATER Lab Sample ID: 302174  
 Sample wt/vol: 1000 (g/mL) ML Lab File ID: GH002174B06  
 Level: (low/med) LOW Date Received: 11/15/89  
 % Moisture: not dec. \_\_\_\_\_ dec. \_\_\_\_\_ Date Extracted: 11/16/89  
 Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 11/19/89  
 GPC Cleanup: (Y/N) N pH: \_\_\_\_\_ Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/L</u>	Q
99-09-2	3-Nitroaniline	50	U
83-32-9	Acenaphthene	10	U
51-28-5	2,4-Dinitrophenol	50	U
100-02-7	4-Nitrophenol	50	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	50	U
534-52-1	4,6-Dinitro-2-Methylphenol	50	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	50	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	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	20	U
56-55-3	Benzo(a)Anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	bis(2-Ethylhexyl) Phthalate	10	U
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	Dibenzo(a,h) Anthracene	10	U
191-24-2	Benzo(g,h,i) Perylene	10	U

(1) - Cannot be separated from Diphenylamine

FORM I SV-2

1/87 Rev.

1F  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

738001-13

Lab Name: COMPUCHEM LABS Contract: (2-88)-REVS  
 Lab Code: COMPU Case No.: 18410 SAS No.: \_\_\_\_\_ SDG No.: 05  
 Matrix: (soil/water) WATER Lab Sample ID: 102174  
 Sample wt/vol: 1000 (g/mL) ML Lab File ID: GH002174B06  
 Level: (low/med) LOW Date Received: 11/15/89  
 % Moisture: not dec. \_\_\_\_\_ dec. \_\_\_\_\_ Date Extracted: 11/16/89  
 Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 11/19/89  
 GPC Cleanup: (Y/N) N pH: \_\_\_\_\_ Dilution Factor: 1.0

Number TICs found: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

1B  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EFA SAMPLE NO.

738001-14

Lab Name: COMPUCHEM LABS Contract: (2-88)-REVS  
 Lab Code: COMPU Case No.: 18410 SAS No.: \_\_\_\_\_ SDG No.: 05  
 Matrix: (soil/water) WATER Lab Sample ID: 302175  
 Sample wt/vol: 1000 (g/mL) ML Lab File ID: GH002175B06  
 Level: (low/med) LOW Date Received: 11/15/89  
 % Moisture: not dec. \_\_\_\_\_ dec. \_\_\_\_\_ Date Extracted: 11/16/89  
 Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 11/19/89  
 GPC Cleanup: (Y/N) N pH: \_\_\_\_\_ Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/L</u>	<u>Q</u>
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
100-51-6-----	Benzyl Alcohol	10	U
95-50-1-----	1,2-Dichlorobenzene	10	U
95-48-7-----	2-Methylphenol	10	U
39638-32-9-----	bis(2-Chloroisopropyl) Ether	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
65-85-0-----	Benzoic Acid	50	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
BB-06-2-----	2,4,6-Trichlorophenol	10	U
95-95-4-----	2,4,5-Trichlorophenol	50	U
91-58-7-----	2-Chloronaphthalene	10	U
88-74-4-----	2-Nitroaniline	50	U
131-11-3-----	Dimethyl Phthalate	10	U
208-96-8-----	Acenaphthylene	10	U
606-20-2-----	2,6-Dinitrotoluene	10	U

FORM I SV-1

1/87 Rev.

1C  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

738001-14

Lab Name: COMPUCHEM LABS Contract: (2-88)-REVS  
 Lab Code: COMPU Case No.: 18410 SAS No.: \_\_\_\_\_ SDG No.: 05  
 Matrix: (soil/water) WATER Lab Sample ID: 302175  
 Sample wt/vol: 1000 (g/mL) ML Lab File ID: GH002175B06  
 Level: (low/med) LOW Date Received: 11/15/89  
 % Moisture: not dec. \_\_\_\_\_ dec. \_\_\_\_\_ Date Extracted: 11/16/89  
 Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 11/19/89  
 GPC Cleanup: (Y/N) N pH: \_\_\_\_\_ Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS:	
		(ug/L or ug/Kg)	UG/L
99-09-2	3-Nitroaniline	50	U
83-32-9	Acenaphthene	10	U
51-28-5	2,4-Dinitrophenol	50	U
100-02-7	4-Nitrophenol	50	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	50	U
534-52-1	4,6-Dinitro-2-Methylphenol	50	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	50	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	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	20	U
56-55-3	Benzo(a)Anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	bis(2-Ethylhexyl) Phthalate	10	U
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	Dibenzo(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.

738001-14

Lab Name: COMPUCHEM LABS Contract: (2-88)-REVS  
 Lab Code: COMPU Case No.: 18410 SAS No.: \_\_\_\_\_ SDG No.: 05  
 Matrix: (soil/water) WATER Lab Sample ID: 302175  
 Sample wt/vol: 1000 (g/mL) ML Lab File ID: GH002175B06  
 Level: (low/med) LOW Date Received: 11/15/89  
 % Moisture: not dec. \_\_\_\_\_ dec. \_\_\_\_\_ Date Extracted: 11/16/89  
 Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 11/19/89  
 GPC Cleanup: (Y/N) N pH: \_\_\_\_\_ Dilution Factor: 1.0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q



1B  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

718001-15

Lab Name: COMPUCHEM LABS Contract: (2-88)-REVS  
 Lab Code: COMPU Case No.: 18410 SAS No.: \_\_\_\_\_ SDG No.: 05  
 Matrix: (soil/water) WATER Lab Sample ID: 102150  
 Sample wt/vol: 1000 (g/mL) ML Lab File ID: GH002150A06  
 Level: (low/med) LOW Date Received: 11/15/89  
 % Moisture: not dec. \_\_\_\_\_ dec. \_\_\_\_\_ Date Extracted: 11/16/89  
 Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 11/18/89  
 GPC Cleanup: (Y/N) N pH: \_\_\_\_\_ Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS:	
		(ug/L or ug/Kg)	UG/L
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
100-51-6	Benzyl Alcohol	10	U
95-50-1	1,2-Dichlorobenzene	10	U
95-48-7	2-Methylphenol	10	U
39638-32-9	bis(2-Chloroisopropyl) Ether	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
65-85-0	Benzoic Acid	50	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	50	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	50	U
131-11-3	Dimethyl Phthalate	10	U
208-96-8	Acenaphthylene	10	U
606-20-2	2,6-Dinitrotoluene	10	U

FORM I SV-1

1/87 Rev.

1C  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

738001-15

Lab Name: COMPUCHEM LABS Contract: (2-88)-REVS  
 Lab Code: COMPU Case No.: 18410 SAS No.: \_\_\_\_\_ SDG No.: 05  
 Matrix: (soil/water) WATER Lab Sample ID: 302150  
 Sample wt/vol: 1000 (g/mL) ML Lab File ID: GH002150A06  
 Level: (low/med) LOW Date Received: 11/15/89  
 % Moisture: not dec. \_\_\_\_\_ dec. \_\_\_\_\_ Date Extracted: 11/16/89  
 Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 11/18/89  
 GPC Cleanup: (Y/N) N pH: \_\_\_\_\_ Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS:	
		(ug/L or ug/Kg)	UG/L
99-09-2	3-Nitroaniline	50	U
83-32-9	Acenaphthene	10	U
51-28-5	2,4-Dinitrophenol	50	U
100-02-7	4-Nitrophenol	50	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	50	U
534-52-1	4,6-Dinitro-2-Methylphenol	50	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	50	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	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	20	U
56-55-3	Benzo(a)Anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	bis(2-Ethylhexyl)Phthalate	10	U
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	Dibenzo(a,h)Anthracene	10	U
191-24-2	Benzo(g,h,i)Perylene	10	U

(1) - Cannot be separated from Diphenylamine

FORM I SV-2

1/87 Rev.

1F  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

738001-15

Lab Name: COMPUCHEM LABS Contract: (2-88)-REVS  
 Lab Code: COMPU Case No.: 18410 SAS No.: \_\_\_\_\_ SDG No.: 05  
 Matrix: (soil/water) WATER Lab Sample ID: 302150  
 Sample wt/vol: 1000 (g/mL) ML Lab File ID: GH002150A06  
 Level: (low/med) LOW Date Received: 11/15/89  
 % Moisture: not dec. \_\_\_\_\_ dec. \_\_\_\_\_ Date Extracted: 11/16/89  
 Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 11/18/89  
 GPC Cleanup: (Y/N) N pH: \_\_\_\_\_ Dilution Factor: 1.0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

1B  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

738001-16

Lab Name: COMPUCHEM LABS Contract: (2-88)-REVS  
 Lab Code: COMPU Case No.: 18410 SAS No.: \_\_\_\_\_ SDG No.: 05  
 Matrix: (soil/water) WATER Lab Sample ID: 302154  
 Sample wt/vol: 1000 (g/mL) ML Lab File ID: GH002154A06  
 Level: (low/med) LOW Date Received: 11/15/89  
 % Moisture: not dec. \_\_\_\_\_ dec. \_\_\_\_\_ Date Extracted: 11/16/89  
 Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 11/18/89  
 GPC Cleanup: (Y/N) N pH: \_\_\_\_\_ Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS:	
		(ug/L or ug/Kg)	UG/L
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
100-51-6	Benzyl Alcohol	10	U
95-50-1	1,2-Dichlorobenzene	10	U
95-48-7	2-Methylphenol	10	U
39638-32-9	bis(2-Chloroisopropyl) Ether	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
65-85-0	Benzoic Acid	50	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	50	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	50	U
131-11-3	Dimethyl Phthalate	10	U
208-96-8	Acenaphthylene	10	U
606-20-2	2,6-Dinitrotoluene	10	U

FORM I SV-1

1/87 Rev.

1C  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

738001-16

Lab Name: COMPUCHEM LABS Contract: (2-88)-REVS  
 Lab Code: COMPU Case No.: 18410 SAS No.: \_\_\_\_\_ SDG No.: 05  
 Matrix: (soil/water) WATER Lab Sample ID: 302154  
 Sample wt/vol: 1000 (g/mL) ML Lab File ID: GH002154A06  
 Level: (low/med) LOW Date Received: 11/15/89  
 % Moisture: not dec. \_\_\_\_\_ dec. \_\_\_\_\_ Date Extracted: 11/16/89  
 Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 11/18/89  
 GPC Cleanup: (Y/N) N pH: \_\_\_\_\_ Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS:	
		(ug/L or ug/Kg)	UG/L
99-09-2	3-Nitroaniline	50	U
83-32-9	Acenaphthene	10	U
51-28-5	2,4-Dinitrophenol	50	U
100-02-7	4-Nitrophenol	50	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	50	U
534-52-1	4,6-Dinitro-2-Methylphenol	50	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	50	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	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	20	U
56-55-3	Benzo(a)Anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	bis(2-Ethylhexyl) Phthalate	10	U
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	Dibenzo(a,h) Anthracene	10	U
191-24-2	Benzo(g,h,i) Perylene	10	U

(1) - Cannot be separated from Diphenylamine

FORM I SV-2

1/87 Rev.

1F  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

738001-16

Lab Name: COMPUCHEM LABS Contract: (2-88)-REVS  
 Lab Code: COMPU Case No.: 18410 SAS No.: \_\_\_\_\_ SDG No.: 05  
 Matrix: (soil/water) WATER Lab Sample ID: 302154  
 Sample wt/vol: 1000 (g/mL) ML Lab File ID: GH002154A06  
 Level: (low/med) LOW Date Received: 11/15/89  
 % Moisture: not dec. \_\_\_\_\_ dec. \_\_\_\_\_ Date Extracted: 11/16/89  
 Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 11/18/89  
 GPC Cleanup: (Y/N) N pH: \_\_\_\_\_ Dilution Factor: 1.0

Number TTCs found: 2 CONCENTRATION UNITS:  
(ug/L or ug/kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	6.17	16	J
2.	UNKNOWN	6.90	10	J

1B  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

738001-16RE

Lab Name: COMPUCHEM LABS Contract: (2-88)-REVS  
 Lab Code: COMPU Case No.: 18410 SAS No.: \_\_\_\_\_ SDG No.: 05  
 Matrix: (soil/water) WATER Lab Sample ID: 302154  
 Sample wt/vol: 1000 (g/mL) ML Lab File ID: GR002154A15  
 Level: (low/med) LOW Date Received: 11/15/89  
 % Moisture: not dec. \_\_\_\_\_ dec. \_\_\_\_\_ Date Extracted: 11/17/89  
 Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 11/20/89  
 GPC Cleanup: (Y/N) N pN: \_\_\_\_\_ Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS:	
		(ug/L or ug/Kg)	UG/L
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
100-51-6	Benzyl Alcohol	10	U
95-50-1	1,2-Dichlorobenzene	10	U
95-48-7	2-Methylphenol	10	U
39638-32-9	bis(2-Chloroisopropyl) Ether	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
65-85-0	Benzoic Acid	50	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	50	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	50	U
131-11-3	Dimethyl Phthalate	10	U
208-96-8	Acenaphthylene	10	U
606-20-2	2,6-Dinitrotoluene	10	U

1C  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

738001-16RE

Lab Name: COMPUCHEM LABS Contract: (2-88)-REVS  
 Lab Code: COMPU Case No.: 18410 SAS No.: \_\_\_\_\_ SDG No.: 05  
 Matrix: (soil/water) WATER Lab Sample ID: 302154  
 Sample wt/vol: 1000 (g/mL) ML Lab File ID: GR002154A15  
 Level: (low/med) LOW Date Received: 11/15/89  
 % Moisture: not dec. \_\_\_\_\_ dec. \_\_\_\_\_ Date Extracted: 11/17/89  
 Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 11/20/89  
 GPC Cleanup: (Y/N) N pH: \_\_\_\_\_ Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS:	
		(ug/L or ug/Kg)	UG/L
99-09-2	3-Nitroaniline	50	U
83-32-9	Acenaphthene	10	U
51-28-5	2,4-Dinitrophenol	50	U
100-02-7	4-Nitrophenol	50	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	50	U
534-52-1	4,6-Dinitro-2-Methylphenol	50	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	50	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	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	20	U
56-55-3	Benzo(a)Anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	bis(2-Ethylhexyl)Phthalate	10	U
117-84-0	Di-n-Octyl Phthalate	10	U
205-99-2	Benzo(h) 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	Dibenzo(a,h)Anthracene	10	U
191-24-2	Benzo(g,h,i) Perylene	10	U

(1) - Cannot be separated from Diphenylamine

FORM I SV-2

1/87 Rev.



1F  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

738001-16RE

Lab Name: COMPUCHEM LABS Contract: (2-88)-REVS  
 Lab Code: COMPU Case No.: 18410 SAS No.: \_\_\_\_\_ SDG No.: 05  
 Matrix: (soil/water) WATER Lab Sample ID: 302154  
 Sample wt/vol: 1000 (g/mL) ML Lab File ID: GR002154A15  
 Level: (low/med) LOW Date Received: 11/15/89  
 % Moisture: not dec. \_\_\_\_\_ dec. \_\_\_\_\_ Date Extracted: 11/17/89  
 Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 11/20/89  
 GPC Cleanup: (Y/N) N pH: \_\_\_\_\_ Dilution Factor: 1.0

Number TICs found: 2

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	6.48	32	J
2.	UNKNOWN	7.30	64	J

FORM I SV-TIC

1/87 Rev.

1B  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

738001-17

Lab Name: COMPUCHEM LABS Contract: (2-88)-REVS  
 Lab Code: COMPU Case No.: 18410 SAS No.: \_\_\_\_\_ SDG No.: 05  
 Matrix: (soil/water) WATER Lab Sample ID: 102172  
 Sample wt/Vol: 1000 (g/mL) ML Lab File ID: GH002172A06  
 Level: (low/med) LOW Date Received: 11/15/89  
 % Moisture: not dec. \_\_\_\_\_ dec. \_\_\_\_\_ Date Extracted: 11/16/89  
 Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 11/18/89  
 GPC Cleanup: (Y/N) N pH: \_\_\_\_\_ Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/L</u>	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
100-51-6	Benzyl Alcohol	10	U
95-50-1	1,2-Dichlorobenzene	10	U
95-48-7	2-Methylphenol	10	U
39638-32-9	bis(2-Chloroisopropyl) Ether	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
65-85-0	Benzoic Acid	50	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	50	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	50	U
131-11-3	Dimethyl Phthalate	10	U
208-96-8	Acenaphthylene	10	U
606-20-2	2,6-Dinitrotoluene	10	U

FORM I SV-1

1/87 Rev.

1C  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

738001-17

Lab Name: COMPUCHEM LABS Contract: (2-88)-REV5  
 Lab Code: COMPU Case No.: 18410 SAS No.: \_\_\_\_\_ SDG No.: 05  
 Matrix: (soil/water) WATER Lab Sample ID: 302172  
 Sample wt/vol: 1000 (g/mL) ML Lab File ID: GH002172A06  
 Level: (low/med) LOW Date Received: 11/15/89  
 % Moisture: not dec. \_\_\_\_\_ dec. \_\_\_\_\_ Date Extracted: 11/16/89  
 Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 11/18/89  
 GPC Cleanup: (Y/N) N pH: \_\_\_\_\_ Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
99-09-2-----	3-Nitroaniline	50	U
83-32-9-----	Acenaphthene	10	U
51-28-5-----	2,4-Dinitrophenol	50	U
100-02-7-----	4-Nitrophenol	50	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	50	U
534-52-1-----	4,6-Dinitro-2-Methylphenol	50	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	50	U
85-01-8-----	Phenanthrene	10	U
120-12-7-----	Anthracene	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	20	U
56-55-3-----	Benzo(a)Anthracene	10	U
218-01-9-----	Chrysene	10	U
117-81-7-----	bis(2-Ethylhexyl)Phthalate	10	U
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-----	Dibenzo(a,h)Anthracene	10	U
191-24-2-----	Benzo(g,h,i)Perylene	10	U

(1) - Cannot be separated from Diphenylamine

FORM I SV-2 ^

1/87 Rev.

1F  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

738001-17

Lab Name: COMPUCHEM LABS Contract: (2-88)-REVS  
 Lab Code: COMPU Case No.: 18410 SAS No.: \_\_\_\_\_ SDG No.: 05  
 Matrix: (soil/water) WATER Lab Sample ID: 302172  
 Sample wt/vol: 1000 (g/mL) ML Lab File ID: GH002172A06  
 Level: (low/med) LOW Date Received: 11/15/89  
 % Moisture: not dec. \_\_\_\_\_ dec. \_\_\_\_\_ Date Extracted: 11/16/89  
 Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 11/18/89  
 GPC Cleanup: (Y/N) N pH: \_\_\_\_\_ Dilution Factor: 1.0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

1B  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

738001-18

Lab Name: COMPUCHEM LABS Contract: (2-88)-REVS  
 Lab Code: COMPU Case No.: 18410 SAS No.: \_\_\_\_\_ SDG No.: 05  
 Matrix: (soil/water) WATER Lab Sample ID: 302173  
 Sample wt/vol: 1000 (g/mL) ML Lab File ID: GH002173A06  
 Level: (low/med) LOW Date Received: 11/15/89  
 % Moisture: not dec. \_\_\_\_\_ dec. \_\_\_\_\_ Date Extracted: 11/16/89  
 Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 11/19/89  
 GPC Cleanup: (Y/N) N pH: \_\_\_\_\_ Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS:	
		(ug/L or ug/Kg)	<u>UG/L</u>
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
100-51-6	Benzyl Alcohol	10	U
95-50-1	1,2-Dichlorobenzene	10	U
95-48-7	2-Methylphenol	10	U
39638-32-9	bis(2-Chloroisopropyl) Ether	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
65-85-0	Benzoic Acid	50	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	50	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	50	U
131-11-3	Dimethyl Phthalate	10	U
208-96-8	Acenaphthylene	10	U
606-20-2	2,6-Dinitrotoluene	10	U

FORM I SV-1

1/87 Rev.

1C  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

738001-18

Lab Name: COMPUCHEM LABS Contract: (2-88)-REVS  
 Lab Code: COMPU Case No.: 18410 SAS No.: \_\_\_\_\_ SDG No.: 05  
 Matrix: (soil/water) WATER Lab Sample ID: 302173  
 Sample wt/vol: 1000 (g/mL) ML Lab File ID: GH002173A06  
 Level: (low/med) LOW Date Received: 11/15/89  
 % Moisture: not dec. \_\_\_\_\_ dec. \_\_\_\_\_ Date Extracted: 11/16/89  
 Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 11/19/89  
 GPC Cleanup: (Y/N) N pH: \_\_\_\_\_ Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/L</u>	Q
99-09-2	3-Nitroaniline	50	U
83-32-9	Acenaphthene	10	U
51-28-5	2,4-Dinitrophenol	50	U
100-02-7	4-Nitrophenol	50	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	50	U
534-52-1	4,6-Dinitro-2-Methylphenol	50	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	50	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	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	20	U
56-55-3	Benzo(a)Anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	bis(2-Ethylhexyl) Phthalate	10	U
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	Dibenzo(a,h)Anthracene	10	U
191-24-2	Benzo(g,h,i)Perylene	10	U

(1) - Cannot be separated from Diphenylamine

FORM I SV-2

1/87 Rev.

1F  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

738001-18

Lab Name: CDMPUCHEM LABS Contract: (2-88)-REVS  
 Lab Code: COMPU Case No.: 18410 SAS No.: \_\_\_\_\_ SOG No.: 05  
 Matrix: (soil/water) WATER Lab Sample ID: 102173  
 Sample wt/vol: 1000 (g/mL) ML Lab File ID: GH002173A06  
 Level: (low/med) LOW Date Received: 11/15/89  
 % Moisture: not dec. \_\_\_\_\_ dec. \_\_\_\_\_ Date Extracted: 11/16/89  
 Extraction: (SepF/Cont/Sonc) SEPE Date Analyzed: 11/19/89  
 GPC Cleanup: (Y/N) N pH: \_\_\_\_\_ Dilution Factor: 1.0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	AMILINE	6.63	12	J

1B  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

738001-21

Lab Name: COMPUCHEM LABS Contract: (2-88)-REVS  
 Lab Code: COMPU Case No.: 18410 SAS No.: \_\_\_\_\_ SDG No.: 05  
 Matrix: (soil/water) WATER Lab Sample ID: 302168  
 Sample wt/vol: 1000 (g/mL) ML Lab File ID: GH002168A06  
 Level: (low/med) LOW Date Received: 11/15/89  
 % Moisture: not dec. \_\_\_\_\_ dec. \_\_\_\_\_ Date Extracted: 11/16/89  
 Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 11/18/89  
 GPC Cleanup: (Y/N) N pH: \_\_\_\_\_ Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/L</u>	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
100-51-6	Benzyl Alcohol	10	U
95-50-1	1,2-Dichlorobenzene	10	U
95-48-7	2-Methylphenol	10	U
39638-32-9	bis(2-Chloroisopropyl) Ether	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
65-85-0	Benzoic Acid	50	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	50	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	50	U
131-11-3	Dimethyl Phthalate	10	U
208-96-8	Acenaphthylene	10	U
606-20-2	2,6-Dinitrotoluene	10	U

FORM I SV-1

1/87 Rev.



1C  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

738001-21

Lab Name: COMPUCHEM LABS Contract: (2-88)-REVS  
 Lab Code: COMPU Case No.: 18410 SAS No.: \_\_\_\_\_ SDG No.: 05  
 Matrix: (soil/water) WATER Lab Sample ID: 302168  
 Sample wt/vol: 1000 (g/mL) ML Lab File ID: GH002168A06  
 Level: (low/med) LOW Date Received: 11/15/89  
 % Moisture: not dec. \_\_\_\_\_ dec. \_\_\_\_\_ Date Extracted: 11/16/89  
 Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 11/18/89  
 GPC Cleanup: (Y/N) N pH: \_\_\_\_\_ Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/L</u>	<u>Q</u>
99-09-2	3-Nitroaniline	50	U
83-32-9	Acenaphthene	10	U
51-28-5	2,4-Dinitrophenol	50	U
100-02-7	4-Nitrophenol	50	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	50	U
534-52-1	4,6-Dinitro-2-Methylphenol	50	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	50	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	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	20	U
56-55-3	Benzo(a)Anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	bis(2-Ethylhexyl) Phthalate	10	U
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
50-12-8	Benzo(a) Pyrene	10	U
191-39-5	Indeno(1,2,3-cd) Pyrene	10	U
53-70-3	Dibenzo(a,h) Anthracene	10	U
191-24-2	Benzo(g,h,i) Perylene	10	U

(1) - Cannot be separated from Diphenylamine

FORM I SV-2

1/87 Rev.

1F  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

738001-21

Lab Name: COMPUCHEM LABS Contract: (2-88)-REVS  
 Lab Code: COMPU Case No.: 18410 SAS No.: \_\_\_\_\_ SDG No.: 05  
 Matrix: (soil/water) WATER Lab Sample ID: 302168  
 Sample wt/vol: 1000 (g/mL) ML Lab File ID: GH002168A06  
 Level: (low/med) LOW Date Received: 11/15/89  
 % Moisture: not dec. \_\_\_\_\_ dec. \_\_\_\_\_ Date Extracted: 11/16/89  
 Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 11/18/89  
 GPC Cleanup: (Y/N) N pH: \_\_\_\_\_ Dilution Factor: 1.0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	6.17	30	J
2.	UNKNOWN	6.90	84	J
3. 2873-97-4	2-PROPENAMIDE, N-(1,1-DIMETH	9.29	64	J
4.	UNKNOWN	11.55	12	J
5. 4337-65-9	HEXANEDIOIC ACID, MONO(2-ETH	16.27	8.0	J

FORM I SV-TIC

1/87 Rev.

1B  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

738001-21RE

Lab Name: COMPUCHEM LABS Contract: (2-98)-REVS  
 Lab Code: COMP Case No.: 18410 SAS No.: \_\_\_\_\_ SDG No.: 05  
 Matrix: (soil/water) WATER Lab Sample ID: 302168  
 Sample wt/vol: 1000 (g/mL) ML Lab File ID: GR002168A15  
 Level: (low/med) LOW Date Received: 11/15/89  
 % Moisture: not dec. \_\_\_\_\_ dec. \_\_\_\_\_ Date Extracted: 11/17/89  
 Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 11/20/89  
 GPC Cleanup: (Y/M) N pH: \_\_\_\_\_ Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS:	
		(ug/L or ug/Kg)	UG/L
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
100-51-6	Benzyl Alcohol	10	U
95-50-1	1,2-Dichlorobenzene	10	U
95-48-7	2-Methylphenol	10	U
39638-32-9	bis(2-Chloroisopropyl) Ether	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
65-85-0	Benzoic Acid	50	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	1,4,5-Trichlorophenol	50	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	50	U
131-11-3	Dimethyl Phthalate	10	U
208-96-8	Acenaphthylene	10	U
606-20-2	2,6-Dinitrotoluene	10	U

FORM I SV-1

1/87 Rev.

1C  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

738001-21RE

Lab Name: COMPUCHEM LABS Contract: (2-88)-REVS  
 Lab Code: COMPU Case No.: 18410 SAS No.: \_\_\_\_\_ SDG No.: 05  
 Matrix: (soil/water) WATER Lab Sample ID: 302168  
 Sample wt/vol: 1000 (g/mL) ML Lab File ID: GR002168A15  
 Level: (low/med) LOW Date Received: 11/15/89  
 % Moisture: not dec. \_\_\_\_\_ dec. \_\_\_\_\_ Date Extracted: 11/17/89  
 Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 11/20/89  
 GPC Cleanup: (Y/N) N pH: \_\_\_\_\_ Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/L</u>	Q
99-09-2	3-Nitroaniline	50	U
83-32-9	Acenaphthene	10	U
51-28-5	2,4-Dinitrophenol	50	U
100-02-7	4-Nitrophenol	50	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	50	U
534-52-1	4,6-Dinitro-2-Methylphenol	50	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	50	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	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	20	U
56-55-3	Benzo(a)Anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	bis(2-Ethylhexyl) Phthalate	10	U
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	Dibenzo(a,h) Anthracene	10	U
191-24-2	Benzo(g,h,i) Perylene	10	U

(1) - Cannot be separated from Diphenylamine

FORM I SV-2

1/87 Rev.

1F  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

738001-21RE

Lab Name: COMPUCHEM LAHS Contract: (2-88)-REVS  
 Lab Code: COMPU Case No.: 18410 SAS No.: \_\_\_\_\_ SDG No.: 05  
 Matrix: (soil/water) WATER Lab Sample ID: 302168  
 Sample wt/vol: 1000 (g/mL) ML Lab File ID: GR002168A15  
 Level: (low/med) LOW Date Received: 11/15/89  
 % Moisture: not dec. \_\_\_\_\_ dec. \_\_\_\_\_ Date Extracted: 11/17/89  
 Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 11/20/89  
 GPC Cleanup: (Y/N) N pN: \_\_\_\_\_ Dilution Factor: 1.0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	6.42	22	J'
2.	UNKNOWN	7.22	66	J
3. 2873-97-4	2-PROPENAMIDE, N-(1,1-DIMETH	9.89	52	J

1B  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

708001-22

Lab Name: COMPUCHEM LABS Contract: (2-88)-REVS  
 Lab Code: COMPU Case No.: 18410 SAS No.: \_\_\_\_\_ SDG No.: 05  
 Matrix: (soil/water) WATER Lab Sample ID: 302155  
 Sample wt/vol: 1000 (g/mL) ML Lab File ID: GH002155A06  
 Level: (low/med) LOW Date Received: 11/15/89  
 % Moisture: not dec. \_\_\_\_\_ dec. \_\_\_\_\_ Date Extracted: 11/15/89  
 Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 11/18/89  
 GPC Cleanup: (Y/N) N pH: \_\_\_\_\_ Dilution Factor: 1.0

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

CAS NO.	COMPOUND	(ug/L or ug/Kg) <u>UG/L</u>	Q
108-95-2	Phenol	120	
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
100-51-6	Benzyl Alcohol	10	U
95-50-1	1,2-Dichlorobenzene	10	U
95-48-7	2-Methylphenol	13	
19618-32-9	bis(2-Chloroisopropyl) Ether	10	U
106-44-5	4-Methylphenol	53	
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	1	J
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	4	J
65-85-0	Benzoic Acid	960	E
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	50	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	50	U
131-11-3	Dimethyl Phthalate	10	U
208-96-8	Acenaphthylene	10	U
606-20-2	2,6-Dinitrotoluene	10	U

FORM I SV-1

1/87 Rev.

1C  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

738001-22

Lab Name: COMPUCHEM LABS Contract: (2-88)-REVS  
 Lab Code: COMPU Case No.: 18410 SAS No.: \_\_\_\_\_ SDG No.: 05  
 Matrix: (soil/water) WATER Lab Sample ID: 102155  
 Sample wt/vol: 1000 (g/mL) ML Lab File ID: GHO02155A06  
 Level: (low/med) LOW Date Received: 11/15/89  
 % Moisture: not dec. \_\_\_\_\_ dec. \_\_\_\_\_ Date Extracted: 11/16/89  
 Extraction: (SepF/Cont/5onc) SEPF Date Analyzed: 11/16/89  
 GPC Cleanup: (Y/N) N pH: \_\_\_\_\_ Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/L</u>	Q
99-09-2	3-Nitroaniline	50	U
83-32-9	Acenaphthene	10	U
51-28-5	2,4-Dinitrophenol	50	U
100-02-7	4-Nitrophenol	50	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	50	U
534-52-1	4,6-Dinitro-2-Methylphenol	50	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	50	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	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	20	U
56-55-3	Benzo(a)Anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	bis(2-Ethylhexyl)Phthalate	10	U
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	Dibenzo(a,h) Anthracene	10	U
191-24-2	Benzo(g,h,i) Perylene	10	U

(1) - Cannot be separated from Diphenylamine

FORM I SV-2

1/87 Rev.

1F  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

738001-22

Lab Name: COMPUCHEM LABS Contract: (2-88)-REVS  
 Lab Code: COMPU Case No.: 18410 SAS No.: \_\_\_\_\_ SDG No.: 05  
 Matrix: (soil/water) WATER Lab Sample ID: 302155  
 Sample wt/vol: 1000 (g/mL) ML Lab File ID: GH002155A06  
 Level: (low/med) LOW Date Received: 11/15/89  
 % Moisture: not dec. \_\_\_\_\_ dec. \_\_\_\_\_ Date Extracted: 11/16/89  
 Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 11/18/89  
 GPC Cleanup: (Y/N) N pH: \_\_\_\_\_ Dilution Factor: 1.0

Number TICs found: 11 CONCENTRATION UNITS:  
(ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 142-62-1	HEXANOIC ACID (DOT)	5.90	240	J
2. 4536-21-6	HEXANOIC ACID, 2-METHYL-	6.37	14	J
3. 20324-32-7	2-PROPANOL, 1-(2-METHOXY-1-M	7.03	18	J
4. 78-67-1	PROPANENITRILE, 2,2'-AZOBIS[	7.37	8.0	J
5. 872-50-4	2-PYRROLIDINONE, 1-METHYL-	7.50	28	J
6. 111-14-8	HEPTANOIC ACID	7.67	20	J
7.	UNKNOWN	7.88	20	J
8. 149-57-5	HEXANOIC ACID, 2-ETHYL-	8.10	76	J
9. 2873-97-4	2-PROPENAMIDE, N-(1,1-DIMETH	9.32	280	J
10. 622-80-0	BENZENAMINE, N-PROPYL-	9.72	26	J
11. 6265-30-1	4,7-METHANO-1H-ISOINDOLE-1,3	11.59	26	J

FDRM I SV-TIC

1/87 Rev.



1B  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

718001-22DL

Lab Name: COMPUCHEM LABS Contract: (2-88)-REVS  
 Lab Code: COMFU Case No.: 18410 SAS No.: \_\_\_\_\_ SDG No.: 05  
 Matrix: (soil/water) WATER Lab Sample ID: 302155  
 Sample wt/vol: 1000 (g/mL) ML Lab File ID: GD702155B06  
 Level: (low/med) LOW Date Received: 11/15/89  
 % Moisture: not dec. \_\_\_\_\_ dec. \_\_\_\_\_ Date Extracted: 11/16/89  
 Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 11/19/89  
 GPC Cleanup: (Y/N) N pH: \_\_\_\_\_ Dilution Factor: 5.0

CAS NO. COMPOUND CONCENTRATION UNITS:  
(ug/L or ug/Kg) UG/L Q

108-95-2-----	Phenol	87	D
111-44-4-----	bis(2-Chloroethyl) Ether	50	U
95-57-8-----	2-Chlorophenol	50	U
541-73-1-----	1,3-Dichlorobenzene	50	U
106-46-7-----	1,4-Dichlorobenzene	50	U
100-51-6-----	Benzyl Alcohol	50	U
95-50-1-----	1,2-Dichlorobenzene	50	U
95-48-7-----	2-Methylphenol	50	U
39638-32-9-----	bis(2-Chloroisopropyl) Ether	50	U
106-44-5-----	4-Methylphenol	35	DJ
621-64-7-----	N-Nitroso-Di-n-Propylamine	50	U
67-72-1-----	Hexachloroethane	50	U
98-95-3-----	Nitrobenzene	50	U
78-59-1-----	Isophorone	50	U
88-75-5-----	2-Nitrophenol	50	U
105-67-9-----	2,4-Dimethylphenol	50	U
65-85-0-----	Benzoic Acid	460	D
111-91-1-----	bis(2-Chloroethoxy) Methane	50	U
120-83-2-----	2,4-Dichlorophenol	50	U
120-82-1-----	1,2,4-Trichlorobenzene	50	U
91-20-3-----	Naphthalene	50	U
106-47-8-----	4-Chloroaniline	50	U
87-68-3-----	Hexachlorobutadiene	50	U
59-50-7-----	4-Chloro-3-Methylphenol	50	U
91-57-6-----	2-Methylnaphthalene	50	U
77-47-4-----	Hexachlorocyclopentadiene	50	U
88-06-2-----	2,4,6-Trichlorophenol	50	U
95-95-4-----	2,4,5-Trichlorophenol	250	U
91-58-7-----	2-Chloronaphthalene	50	U
88-74-4-----	2-Nitroaniline	250	U
131-11-3-----	Dimethyl Phthalate	50	U
208-96-8-----	Acenaphthylene	50	U
606-20-2-----	2,6-Dinitrotoluene	50	U

FORM I SV-1

1/87 Rev.

1C  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

738001-22DL

Lab Name: COMPUCHEM LABS Contract: (2-88)-REVS  
 Lab Code: COMPU Case No.: 18410 SAS No.: \_\_\_\_\_ SDG No.: 05  
 Matrix: (soil/water) WATER Lab Sample ID: 302155  
 Sample wt/vol: 1000 (g/mL) ML Lab File ID: GDJ02155B06  
 Level: (low/med) LOW Date Received: 11/15/89  
 % Moisture: not dec. \_\_\_\_\_ dec. \_\_\_\_\_ Date Extracted: 11/16/89  
 Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 11/19/89  
 GPC Cleanup: (Y/N) N pH: \_\_\_\_\_ Dilution Factor: 5.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
99-09-2	3-Nitroaniline	250	U
83-32-9	Acenaphthene	50	U
51-28-5	2,4-Dinitrophenol	250	U
100-02-7	4-Nitrophenol	250	U
132-64-9	Dibenzofuran	50	U
121-14-2	2,4-Dinitrotoluene	50	U
84-66-2	Diethylphthalate	50	U
7005-72-3	4-Chlorophenyl-phenylether	50	U
86-73-7	Fluorene	50	U
100-01-6	4-Nitroaniline	250	U
534-52-1	4,6-Dinitro-2-Methylphenol	250	U
86-30-6	N-Nitrosodiphenylamine (1)	50	U
101-55-3	4-Bromophenyl-phenylether	50	U
118-74-1	Hexachlorobenzene	50	U
87-86-5	Pentachlorophenol	250	U
85-01-8	Phenanthrene	50	U
120-12-7	Anthracene	50	U
84-74-2	Di-n-Butylphthalate	50	U
206-44-0	Fluoranthene	50	U
129-00-0	Pyrene	50	U
85-68-7	Butylbenzylphthalate	50	U
91-94-1	3,3'-Dichlorobenzidine	100	U
56-55-3	Benzo(a)Anthracene	50	U
218-01-9	Chrysene	50	U
117-81-7	bis(2-Ethylhexyl) Phthalate	50	U
117-84-0	Di-n-Octyl Phthalate	50	U
205-99-2	Benzo(b)Fluoranthene	50	U
207-08-9	Benzo(k)Fluoranthene	50	U
50-32-8	Benzo(a)Pyrene	50	U
193-39-5	Indeno(1,2,3-cd)Pyrene	50	U
53-70-3	Dibenzo(a,h)Anthracene	50	U
191-24-2	Benzo(g,h,i)Perylene	50	U

(1) - Cannot be separated from Diphenylamine

FORM I SV-2

1/87 Rev.

IF  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

738001-22DL

Lab Name: COMPUCHEM LABS Contract: (2-88)-REVS  
 Lab Code: COMPU Case No.: 18410 SAS No.: \_\_\_\_\_ SDG No.: 05  
 Matrix: (soil/water) WATER Lab Sample ID: 302155  
 Sample wt/vol: 1000 (g/mL) ML Lab File ID: GDJ02155B06  
 Level: (low/med) LOW Date Received: 11/15/89  
 % Moisture: not dec. \_\_\_\_\_ dec. \_\_\_\_\_ Date Extracted: 11/16/89  
 Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 11/19/89  
 GPC Cleanup: (Y/N) N pH: \_\_\_\_\_ Dilution Factor: 5.0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 142-62-1	HEXANOIC ACID (DOT)	5.52	270	J
2. 149-57-5	HEXANOIC ACID, 2-ETHYL-	7.81	50	J
3. 2873-97-4	2-PROPENAMIDE, N-(1,1-DIMETH	9.09	190	J

FORM I SV-TIC

1/87 Rev.

1B  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

738001-23

Lab Name: COMPUCHEM LABS Contract: (2-88)-REVS  
 Lab Code: COMPU Case No.: 18410 SAS No.: \_\_\_\_\_ SDG No.: 05  
 Matrix: (soil/water) WATER Lab Sample ID: 302182  
 Sample wt/vol: 1000 (g/mL) ML Lab File ID: GH002182C20  
 Level: (low/med) LOW Date Received: 11/15/89  
 % Moisture: not dec. \_\_\_\_\_ dec. \_\_\_\_\_ Date Extracted: 11/16/89  
 Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 11/17/89  
 GPC Cleanup: (Y/N) N pH: \_\_\_\_\_ Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS:	
		(ug/L or ug/Kg)	UG/L
108-95-2	Phenol	130	
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
100-51-6	Benzyl Alcohol	10	U
95-50-1	1,2-Dichlorobenzene	10	U
95-48-7	2-Methylphenol	10	U
39638-32-9	bis(2-Chloroisopropyl) Ether	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	6	J
65-85-0	Benzoic Acid	50	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	3	J
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	50	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	50	U
131-11-3	Dimethyl Phthalate	10	U
208-96-8	Acenaphthylene	10	U
606-20-2	2,6-Dinitrotoluene	10	U

FORM I SV-1

1/87 Rev.

1C  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

738001-23

Lab Name: COMPUCHEM LABS Contract: (2-88)-REVS  
 Lab Code: COMPU Case No.: 18410 SAS No.: \_\_\_\_\_ SDG No.: 05  
 Matrix: (soil/water) WATER Lab Sample ID: 302182  
 Sample wt/vol: 1000 (g/mL) ML Lab File ID: GH002182C20  
 Level: (low/med) LOW Date Received: 11/15/89  
 % Moisture: not dec. \_\_\_\_\_ dec. \_\_\_\_\_ Date Extracted: 11/16/89  
 Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 11/17/89  
 GPC Cleanup: (Y/N) N pH: \_\_\_\_\_ Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS:	
		(ug/L or ug/Kg)	UG/L
99-09-2	3-Nitroaniline	50	U
83-32-9	Acenaphthene	10	U
51-28-5	2,4-Dinitrophenol	50	U
100-02-7	4-Nitrophenol	50	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	50	U
534-52-1	4,6-Dinitro-2-Methylphenol	50	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	50	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	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	20	U
56-55-3	Benzo(a)Anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	bis(2-Ethylhexyl)Phthalate	10	U
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	Dibenzo(a,h)Anthracene	10	U
191-24-2	Benzo(g,h,i)Perylene	10	U

(1) - Cannot be separated from Diphenylamine

FORM I SV-2

1/87 Rev.

1P  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

738001-23

Lab Name: COMPUCHEM LABS Contract: (2-88)-REVS  
 Lab Code: COMPU Case No.: 18410 SAS No.: \_\_\_\_\_ SDG No.: 05  
 Matrix: (soil/water) WATER Lab Sample ID: 302182  
 Sample wt/vol: 1000 (g/mL) ML Lab File ID: GH002182C20  
 Level: (low/med) LOW Date Received: 11/15/89  
 % Moisture: not dec. \_\_\_\_\_ dec. \_\_\_\_\_ Date Extracted: 11/15/89  
 Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 11/17/89  
 GPC Cleanup: (Y/N) N pH: \_\_\_\_\_ Dilution Factor: 1.0

CONCENTRATION UNITS:

Number TICs found: 21 (ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	VOA TCL	4.62	58	J
2.	VOA TCL	4.70	190	J
3.	VOA TCL	5.02	36	J
4.	METHYL ETHYL BENZENE ISOMER	5.85	16	J
5. 13435-09-1	SILANEDIAMINE, 1,1-DIMETHYL-	6.01	1000	J
6.	UNKNOWN	6.22	68	J
7.	UNKNOWN	6.55	24	J
8.	UNKNOWN	6.70	14	J
9.	UNKNOWN	6.82	8.0	J
10.	UNKNOWN	7.05	14	J
11.	UNKNOWN	7.45	16	J
12. 54725-73-4	1,8-NONANEDIOL, 8-METHYL-	7.77	30	J
13.	DIMETHYL PHENOL ISOMER	7.92	40	J
14.	UNKNOWN	8.35	10	J
15.	METHYL ETHYL PHENOL ISOMER	8.74	12	J
16.	DIMETHYLETHYL PHENOL ISOMER	9.05	60	J
17.	METHYL PHENYL ACETAMIDE ISOMER	9.19	8.0	J
18. 101-83-7	CYCLOHEXANAMINE, N-CYCLOHEXY	10.25	130	J
19. 101-83-7	CYCLOHEXANAMINE, N-CYCLOHEXY	10.32	48	J
20.	UNKNOWN SUBST. HYDROCARBON	10.99	20	J
21.	UNKNOWN	11.97	12	J

FORM I SV-TIC

1/87 Rev.

1B  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

718001-24

Lab Name: COMPUCHEM LABS Contract: (2-88)-REVS  
 Lab Code: COMFU Case No.: 18410 SAS No.: \_\_\_\_\_ SDG No.: 05  
 Matrix: (soil/water) WATER Lab Sample ID: 302176  
 Sample wt/vol: 1000 (g/mL) ML Lab File ID: GH002176C20  
 Level: (low/med) LOW Date Received: 11/15/89  
 % Moisture: not dec. \_\_\_\_\_ dec. \_\_\_\_\_ Date Extracted: 11/16/89  
 Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 11/17/89  
 GPC Cleanup: (Y/N) N pH: \_\_\_\_\_ Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/L</u>	<u>Q</u>
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
100-51-6	Benzyl Alcohol	10	U
95-50-1	1,2-Dichlorobenzene	10	U
95-48-7	2-Methylphenol	10	U
39638-32-9	bis(2-Chloroisopropyl) Ether	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
65-85-0	Benzoic Acid	50	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	50	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	50	U
131-11-3	Dimethyl Phthalate	10	U
208-96-8	Acenaphthylene	10	U
606-20-2	2,6-Dinitrotoluene	10	U

FORM I SV-1

1/87 Rev.

1C  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

738001-24

Lab Name: COMPUCHEM LABS Contract: (2-88)-REVS  
 Lab Code: COMPU Case No.: 18410 SAS No.: \_\_\_\_\_ SDG No.: 05  
 Matrix: (soil/water) WATER Lab Sample ID: 302176  
 Sample wt/vol: 1000 (g/mL) ML Lab File ID: GH002176C20  
 Level: (low/med) LOW Date Received: 11/15/89  
 % Moisture: not dec. \_\_\_\_\_ dec. \_\_\_\_\_ Date Extracted: 11/16/89  
 Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 11/17/89  
 GPC Cleanup: (Y/N) N pH: \_\_\_\_\_ Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
99-09-7	3-Nitroaniline	50	U
83-32-9	Acenaphthene	10	U
51-28-5	2,4-Dinitrophenol	50	U
100-02-7	4-Nitrophenol	50	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	50	U
534-52-1	4,6-Dinitro-2-Methylphenol	50	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	50	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	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	20	U
56-55-3	Benzo(a)Anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	bis(2-Ethylhexyl)Phthalate	10	U
117-84-0	Di-n-Octyl Phthalate	10	U
205-99-2	Benzo(b)Fluoranthene	10	U
207-06-9	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	Dibenzo(a,h)Anthracene	10	U
191-24-2	Benzo(g,h,i)Perylene	10	U

(1) - Cannot be separated from Diphenylamine

FORM I SV-2

1/87 Rev.



1F  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

738001-24

Lab Name: COMPUCHEM LABS Contract: (2-88)-REVS  
 Lab Code: COMPU Case No.: 18410 SAS No.: \_\_\_\_\_ SDG No.: 05  
 Matrix: (soil/water) WATER Lab Sample ID: 302176  
 Sample wt/vol: 1000 (g/mL) ML Lab File ID: GH002176C20  
 Level: (low/med) LOW Date Received: 11/15/89  
 % Moisture: not dec. \_\_\_\_\_ dec. \_\_\_\_\_ Date Extracted: 11/16/89  
 Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 11/17/89  
 GPC Cleanup: (Y/N) N pH: \_\_\_\_\_ Dilution Factor: 1.0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	.Q
1.	UNKNOWN	5.27	22	J
2.	UNKNOWN	6.03	22	J

1B  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

718001-24RE

Lab Name: COMPUCHEM LABS Contract: (2-88)-REVS  
 Lab Code: COMPU Case No.: 18410 SAS No.: \_\_\_\_\_ SDG No.: 05  
 Matrix: (soil/water) WATER Lab Sample ID: 302176  
 Sample wt/vol: 1000 (g/mL) ML Lab File ID: GR002176A20  
 Level: (low/med) LOW Date Received: 11/15/89  
 % Moisture: not dec. \_\_\_\_\_ dec. \_\_\_\_\_ Date Extracted: 11/20/89  
 Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 11/20/89  
 GPC Cleanup: (Y/N) N pH: \_\_\_\_\_ Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/L</u>	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
100-51-6	Benzyl Alcohol	10	U
95-50-1	1,2-Dichlorobenzene	10	U
95-48-7	2-Methylphenol	10	U
39638-32-9	bis(2-Chloroisopropyl) Ether	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
65-85-0	Benzoic Acid	50	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	50	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	50	U
131-11-3	Dimethyl Phthalate	10	U
208-96-8	Acenaphthylene	10	U
606-20-2	2,6-Dinitrotoluene	10	U

FORM I SV-1

1/87 Rev.

1C  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

738001-24RE

Lab Name: COMPUCHEM LABS Contract: (2-88)-REVS  
 Lab Code: COMPU Case No.: 18410 SAS No.: \_\_\_\_\_ SDG No.: 05  
 Matrix: (soil/water) WATER Lab Sample ID: 302176  
 Sample wt/vol: 1000 (g/mL) ML Lab File ID: GR002176A20  
 Level: (low/med) LOW Date Received: 11/15/89  
 % Moisture: not dec. \_\_\_\_\_ dec. \_\_\_\_\_ Date Extracted: 11/20/89  
 Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 11/20/89  
 GPC Cleanup: (Y/N) N pH: \_\_\_\_\_ Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS:	
		(ug/L or ug/Kg)	UG/L
99-09-2	3-Nitroaniline	50	U
83-32-9	Acenaphthene	10	U
51-28-5	2,4-Dinitrophenol	50	U
100-02-7	4-Nitrophenol	50	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	50	U
534-52-1	4,6-Dinitro-2-Methylphenol	50	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	50	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	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	20	U
56-55-3	Benzo(a)Anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	bis(2-Ethylhexyl)Phthalate	10	U
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	Dibenzo(a,h)Anthracene	10	U
191-24-2	Benzo(g,h,i)Perylene	10	U

(1) - Cannot be separated from Diphenylamine

FORM I SV-2

1/87 Rev.

1F  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

738001-24RE

Lab Name: COMPUCHEM LABS Contract: (2-88)-REVS  
 Lab Code: COMPU Case No.: 18410 SAS No.: \_\_\_\_\_ SDG No.: 05  
 Matrix: (soil/water) WATER Lab Sample ID: 302176  
 Sample wt/vol: 1000 (g/mL) ML Lab File ID: GR002176A20  
 Level: (low/med) LOW Date Received: 11/15/89  
 % Moisture: not dec. \_\_\_\_\_ dec. \_\_\_\_\_ Date Extracted: 11/20/89  
 Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 11/20/89  
 GPC Cleanup: (Y/N) N pH: \_\_\_\_\_ Dilution Factor: 1.0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	5.25	30	J
2.	UNKNOWN	6.07	28	J

1B  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

738001-25

Lab Name: COMPUCHEM LABS Contract: (2-88)-REVS  
 Lab Code: COMPU Case No.: 18410 SAS No.: \_\_\_\_\_ SDG No.: 05  
 Matrix: (soil/water) WATER Lab Sample ID: 302157  
 Sample wt/vol: 1000 (g/mL) ML Lab File ID: GH002157A06  
 Level: (low/med) LOW Date Received: 11/15/89  
 % Moisture: not dec. \_\_\_\_\_ dec. \_\_\_\_\_ Date Extracted: 11/16/89  
 Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 11/18/89  
 GPC Cleanup: (Y/N) N pN: \_\_\_\_\_ Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/L</u>		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	
100-51-6	Benzyl Alcohol	10	U	
95-50-1	1,2-Dichlorobenzene	10	U	
95-48-7	2-Methylphenol	10	U	
39638-32-9	bis(2-Chloroisopropyl) Ether	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	
65-85-0	Benzoic Acid	50	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	50	U	
91-58-7	2-Chloronaphthalene	10	U	
88-74-4	2-Nitroaniline	50	U	
131-11-3	Dimethyl Phthalate	10	U	
208-96-8	Acenaphthylene	10	U	
606-20-2	2,6-Dinitrotoluene	10	U	

FORM I SV-1

1/87 Rev.

1C  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

738001-25

Lab Name: COMPUCHEM LABS Contract: (2-88)-REVS  
 Lab Code: COMPU Case No.: 18410 SAS No.: \_\_\_\_\_ SDG No.: 05  
 Matrix: (soil/water) WATER Lab Sample ID: 302157  
 Sample wt/vol: 1000 (g/mL) ML Lab File ID: GH002157A06  
 Level: (low/med) LOW Date Received: 11/15/89  
 % Moisture: not dec. \_\_\_\_\_ dec. \_\_\_\_\_ Date Extracted: 11/16/89  
 Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 11/18/89  
 GPC Cleanup: (Y/N) N pH: \_\_\_\_\_ Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/L</u>	Q
99-09-2	3-Nitroaniline	50	U
83-32-9	Acenaphthene	10	U
51-28-5	2,4-Dinitrophenol	50	U
100-02-7	4-Nitrophenol	50	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	50	U
534-52-1	4,6-Dinitro-2-Methylphenol	50	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	50	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	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	20	U
56-55-3	Benzo(a)Anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	bis(2-Ethylhexyl) Phthalate	10	U
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	Dibenzo(a,h) Anthracene	10	U
191-24-2	Benzo(g,h,i) Perylene	10	U

(1) - Cannot be separated from Diphenylamine

FORM I SV-2

1/87 Rev.

1F  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

738001-25

Lab Name: COMPUCHEM LABS Contract: (2-88)-REVS  
 Lab Code: COMPU Case No.: 18410 SAS No.: \_\_\_\_\_ SDG No.: 05  
 Matrix: (soil/water) WATER Lab Sample ID: 302157  
 Sample wt/vol: 1000 (g/mL) ML Lab File ID: GH002157A06  
 Level: (low/med) LOW Date Received: 11/15/89  
 % Moisture: not dec. \_\_\_\_\_ dec. \_\_\_\_\_ Date Extracted: 11/16/89  
 Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 11/18/89  
 GPC Cleanup: (Y/N) N pH: \_\_\_\_\_ Dilution Factor: 1.0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
-----	-----	-----	-----	-----

1B  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

738001-26

Lab Name: COMPUCHEM LABS Contract: (2-88)-REVS

Lab Code: COMPU Case No.: 18410 SAS No.: \_\_\_\_\_ SDG No.: 05

Matrix: (soil/water) WATER Lab Sample ID: 102165

Sample wt/vol: 1000 (g/mL) ML Lab File ID: GH002165A06

Level: (low/med) LOW Date Received: 11/15/89

% Moisture: not dec. \_\_\_\_\_ dec. \_\_\_\_\_ Date Extracted: 11/16/89

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 11/18/89

GPC Cleanup: (Y/N) N pH: \_\_\_\_\_ Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/L</u>	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
100-51-6	Benzyl Alcohol	10	U
95-50-1	1,2-Dichlorobenzene	10	U
95-48-7	2-Methylphenol	10	U
39638-32-9	bis(2-Chloroisopropyl) Ether	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
65-85-0	Benzoic Acid	50	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	50	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	50	U
131-11-3	Dimethyl Phthalate	10	U
208-96-8	Acenaphthylene	10	U
606-20-2	2,6-Dinitrotoluene	10	U



1C  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

738001-26

Lab Name: COMPUCHEM LABS Contract: (2-88)-REVS  
 Lab Code: COMPU Case No.: 18410 SAS No.: \_\_\_\_\_ SDG No.: 05  
 Matrix: (soil/water) WATER Lab Sample ID: 302166  
 Sample wt/vol: 1000 (g/mL) ML Lab File ID: GH002166A06  
 Level: (low/med) LOW Date Received: 11/15/89  
 % Moisture: not dec. \_\_\_\_\_ dec. \_\_\_\_\_ Date Extracted: 11/15/89  
 Extraction: (SepP/Cont/Sonc) SEPF Date Analyzed: 11/18/89  
 GPC Cleanup: (Y/N) N pH: \_\_\_\_\_ Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/L</u>	<u>Q</u>
99-09-2	3-Nitroaniline	50	U
83-32-9	Acenaphthene	10	U
51-28-5	2,4-Dinitrophenol	50	U
100-02-7	4-Nitrophenol	50	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	50	U
534-52-1	4,6-Dinitro-2-Methylphenol	50	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	50	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	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	20	U
56-55-3	Benzo(a)Anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	bis(2-Ethylhexyl)Phthalate	10	U
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	Dibenzo(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.

738001-26

Lab Name: COMPUCHEM LABS Contract: (2-88)-REVS  
 Lab Code: COMPU Case No.: 18410 SAS No.: \_\_\_\_\_ SDG No.: 05  
 Matrix: (soil/water) WATER Lab Sample ID: 302166  
 Sample wt/vol: 1000 (g/mL) ML Lab File ID: GH002166A06  
 Level: (low/med) LOW Date Received: 11/15/89  
 % Moisture: not dec. \_\_\_\_\_ dec. \_\_\_\_\_ Date Extracted: 11/16/89  
 Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 11/18/89  
 GPC Cleanup: (Y/N) N pH: \_\_\_\_\_ Dilution Factor: 1.0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

1B  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

738001-18MS

Lab Name: COMPUCHEM LABS Contract: (2-88)-REVS  
 Lab Code: COMFU Case No.: 18410 SAS No.: \_\_\_\_\_ SDG No.: 05  
 Matrix: (soil/water) WATER Lab Sample ID: 301919  
 Sample wt/vol: 500 (g/mL) ML Lab File ID: GR001919A20  
 Level: (low/med) LOW Date Received: 11/15/89  
 ‡ Moisture: not dec. \_\_\_\_\_ dec. \_\_\_\_\_ Date Extracted: 11/21/89  
 Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 11/22/89  
 GPC Cleanup: (Y/N) N pH: \_\_\_\_\_ Dilution Factor: 0.50

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/L</u>	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
100-51-6	Benzyl Alcohol	10	U
95-50-1	1,2-Dichlorobenzene	10	U
95-48-7	2-Methylphenol	10	U
39538-02-9	bis(2-Chloroisopropyl) Ether	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
65-85-0	Benzoic Acid	50	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	50	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	50	U
131-11-3	Dimethyl Phthalate	10	U
208-96-8	Acenaphthylene	10	U
606-20-2	2,6-Dinitrotoluene	10	U

FORM I SV-1

1/87 Rev.

1C  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

738001-18MS

Lab Name: COMPUCHEM LABS Contract: (2-88)-REVS  
 Lab Code: COMPU Case No.: 18410 SAS No.: \_\_\_\_\_ SDG No.: 05  
 Matrix: (soil/water) WATER Lab Sample IO: 301919  
 Sample wt/vol: 500 (g/mL) ML Lab File ID: GR001919A20  
 Level: (low/med) LOW Date Received: 11/15/89  
 % Moisture: not dec. \_\_\_\_\_ dec. \_\_\_\_\_ Date Extracted: 11/21/89  
 Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 11/22/89  
 GPC Cleanup: (Y/N) N pH: \_\_\_\_\_ Dilution Factor: 0.50

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/L</u>	Q
99-09-2	3-Nitroaniline	50	U
83-32-9	Acenaphthene	10	U
51-28-5	2,4-Dinitrophenol	50	U
100-02-7	4-Nitrophenol	50	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	50	U
534-52-1	4,6-Dinitro-2-Methylphenol	50	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	50	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	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	20	U
56-55-3	Benzo(a)Anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	bis(2-Ethylhexyl) Phthalate	10	U
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
50-12-8	Benzo(a)Pyrene	10	U
191-39-5	Indeno(1,2,3-cd)Pyrene	10	U
53-70-3	Dibenzo(a,h)Anthracene	10	U
191-24-2	Benzo(g,h,i)Perylene	10	U

(1) - Cannot be separated from Diphenylamine

FORM I SV-2

1/87 Rev.

1B  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

738001-18MSD

Lab Name: COMPUCHEM LABS Contract: (2-88)-REVS  
 Lab Code: COMPU Case No.: 18410 SAS No.: \_\_\_\_\_ SDG No.: 05  
 Matrix: (soil/water) WATER Lab Sample ID: 101920  
 Sample wt/vol: 500 (g/mL) ML Lab File ID: GJ001920A20  
 Level: (low/med) LOW Date Received: 11/15/89  
 % Moisture: not dec. \_\_\_\_\_ dec. \_\_\_\_\_ Date Extracted: 11/21/89  
 Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 11/25/89  
 GPC Cleanup: (Y/N) N pH: \_\_\_\_\_ Dilution Factor: 0.50

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
100-51-6	Benzyl Alcohol	10	U
95-50-1	1,2-Dichlorobenzene	10	U
95-48-7	2-Methylphenol	10	U
39638-32-9	bis(2-Chloroisopropyl) Ether	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
65-85-0	Benzoic Acid	50	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	50	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	50	U
131-11-3	Dimethyl Phthalate	10	U
208-96-8	Acenaphthylene	10	U
606-20-2	2,6-Dinitrotoluene	10	U

FORM I SV-1

1/87 Rev.

1C  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

738001-18MSD

Lab Name: COMPUCHEM LABS Contract: (2-88)-REVS  
 Lab Code: COMPU Case No.: 18410 SAS No.: \_\_\_\_\_ SDG No.: 05  
 Matrix: (soil/water) WATER Lab Sample ID: 301920  
 Sample wt/vol: 500 (g/mL) ML Lab File ID: GJ001920A20  
 Level: (low/med) LOW Date Received: 11/15/89  
 % Moisture: not dec. \_\_\_\_\_ dec. \_\_\_\_\_ Date Extracted: 11/21/89  
 Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 11/25/89  
 GPC Cleanup: (Y/N) N pH: \_\_\_\_\_ Dilution Factor: 0.50

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/L</u>	Q
99-09-2-----	3-Nitroaniline	50	U
83-32-9-----	Acenaphthene	10	U
51-28-5-----	2,4-Dinitrophenol	50	U
100-02-7-----	4-Nitrophenol	50	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	50	U
534-52-1-----	4,6-Dinitro-2-Methylphenol	50	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	50	U
85-01-8-----	Phenanthrene	10	U
120-12-7-----	Anthracene	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	20	U
56-55-3-----	Benzo(a)Anthracene	10	U
218-01-9-----	Chrysene	10	U
117-81-7-----	bis(2-Ethylhexyl) Phthalate	10	U
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-----	Dibenzo(a,h) Anthracene	10	U
191-24-2-----	Benzo(g,h,i) Perylene	10	U

(1) - Cannot be separated from Diphenylamine

FORM I SV-2

1/87 Rev.

1D  
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

738001-01

Lab Name: COMPUCHEM LABORATORIES Contract: (2-88)-REVS  
 Lab Code: COMPU Case No.: 18410 SAS No.: \_\_\_\_\_ SDG No.: 5  
 Matrix: (soil/water) WATER Lab Sample ID: 301917  
 Sample wt/vol: 1000 (g/mL) ML Lab File ID: \_\_\_\_\_  
 Level: (low/med) LOW Date Received: 11/14/89  
 % Moisture: not dec. \_\_\_\_\_ dec. \_\_\_\_\_ Date Extracted: 11/15/89  
 Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 11/15/89  
 GPC Cleanup: (Y/N) N pN: \_\_\_\_\_ Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
319-84-6	alpha-BHC	0.050	U
319-85-7	beta-BHC	0.050	U
319-86-8	delta-BHC	0.050	U
58-89-9	gamma-BHC (Lindane)	0.050	U
76-44-8	Heptachlor	0.050	U
309-00-2	Aldrin	0.050	U
1024-57-3	Heptachlor epoxide	0.050	U
959-98-8	Endosulfan I	0.050	U
60-57-1	Dieldrin	0.10	U
72-55-9	4,4'-DDE	0.10	U
72-20-8	Endrin	0.10	U
33213-65-9	Endosulfan II	0.10	U
72-54-8	4,4'-DDD	0.10	U
1031-07-8	Endosulfan sulfate	0.10	U
50-29-3	4,4'-DDT	0.10	U
72-43-5	Methoxychlor	0.50	U
53494-70-5	Endrin ketone	0.10	U
5103-71-9	alpha-Chlordane	0.50	U
5103-74-2	gamma-Chlordane	0.50	U
8001-35-2	Toxaphene	1.0	U
12674-11-2	Aroclor-1016	0.50	U
11104-28-2	Aroclor-1221	0.50	U
11141-16-5	Aroclor-1232	0.50	U
53469-21-9	Aroclor-1242	0.50	U
12672-29-6	Aroclor-1248	0.50	U
11097-69-1	Aroclor-1254	1.0	U
11096-82-5	Aroclor-1260	1.0	U

1D  
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

738001-02

Lab Name: COMPUCHEM LABORATORIES Contract: (2-88)-REYS  
 Lab Code: COMPU Case No.: 18410 SAS No.: \_\_\_\_\_ SDG No.: 5  
 Matrix: (soil/water) WATER Lab Sample ID: 301910  
 Sample wt/vol: 1000 (g/mL) ML Lab File ID: \_\_\_\_\_  
 Level: (low/med) LOW Date Received: 11/14/89  
 % Moisture: not dec. \_\_\_\_\_ dec. \_\_\_\_\_ Date Extracted: 11/15/89  
 Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 11/15/89  
 GPC Cleanup: (Y/N) N pH: \_\_\_\_\_ Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/L</u>	<u>Q</u>
319-84-6	alpha-BHC	0.050	U
319-85-7	beta-BHC	0.050	U
319-86-8	delta-BHC	0.050	U
58-89-9	gamma-BHC (Lindane)	0.050	U
76-44-8	Heptachlor	0.050	U
309-00-2	Aldrin	0.050	U
1024-57-3	Heptachlor epoxide	0.050	U
959-98-8	Endosulfan I	0.050	U
60-57-1	Dieldrin	0.10	U
72-55-9	4,4'-DDE	0.10	U
72-20-8	Endrin	0.10	U
33213-65-9	Endosulfan II	0.10	U
72-54-8	4,4'-DDD	0.10	U
1031-07-8	Endosulfan sulfate	0.10	U
50-29-3	4,4'-DDT	0.10	U
72-43-5	Methoxychlor	0.50	U
53494-70-5	Endrin ketone	0.10	U
5103-71-9	alpha-Chlordane	0.50	U
5103-74-2	gamma-Chlordane	0.50	U
8001-35-2	Toxaphene	1.0	U
12674-11-2	Aroclor-1016	0.50	U
11104-28-2	Aroclor-1221	0.50	U
11141-16-5	Aroclor-1232	0.50	U
53469-21-9	Aroclor-1242	0.50	U
12672-29-6	Aroclor-1248	0.50	U
11097-69-1	Aroclor-1254	1.0	U
11096-82-5	Aroclor-1260	1.0	U



10  
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

738001-03

Lab Name: COMPUCHEM LABORATORIES Contract: (2-88)-REVS  
 Lab Code: COMPU Case No.: 18410 SAS No.: \_\_\_\_\_ SDG No.: 5  
 Matrix: (soil/water) WATER Lab Sample ID: 301918  
 Sample wt/vol: 1000 (g/mL) ML Lab File ID: \_\_\_\_\_  
 Level: (low/med) LOW Date Received: 11/14/89  
 % Moisture: not dec. \_\_\_\_\_ dec. \_\_\_\_\_ Date Extracted: 11/15/89  
 Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 11/16/89  
 GPC Cleanup: (Y/N) N pH: \_\_\_\_\_ Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/L</u>	Q
319-84-6	alpha-BHC	0.050	U
319-85-7	beta-BHC	0.050	U
319-86-8	delta-BHC	0.050	U
58-89-9	gamma-BHC (Lindane)	0.050	U
76-44-8	Heptachlor	0.050	U
309-00-2	Aldrin	0.050	U
1024-57-3	Heptachlor epoxide	0.050	U
959-98-8	Endosulfan I	0.050	U
60-57-1	Dieldrin	0.10	U
72-55-9	4,4'-DDE	0.10	U
72-20-8	Endrin	0.10	U
33213-65-9	Endosulfan II	0.10	U
72-54-8	4,4'-DDD	0.10	U
1031-07-8	Endosulfan sulfate	0.10	U
50-29-3	4,4'-DDT	0.10	U
72-43-5	Methoxychlor	0.50	U
53494-70-5	Endrin ketone	0.10	U
5103-71-9	alpha-Chlordane	0.50	U
5103-74-2	gamma-Chlordane	0.50	U
8001-35-2	Toxaphene	1.0	U
12674-11-2	Aroclor-1016	0.50	U
11104-28-2	Aroclor-1221	0.50	U
11141-16-5	Aroclor-1232	0.50	U
53469-21-9	Aroclor-1242	0.50	U
12672-29-6	Aroclor-1248	0.50	U
11097-69-1	Aroclor-1254	1.0	U
11096-82-5	Aroclor-1260	1.0	U

1D  
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

738001-05

Lab Name: COMPUCHEM LABORATORIES Contract: (2-88)-REVS  
 Lab Code: COMPU Case No.: 18410 SAN No.: \_\_\_\_\_ SDG No.: 5  
 Matrix: (soil/water) WATER Lab Sample ID: 301937  
 Sample wt/vol: 1000 (g/mL) ML Lab File ID: \_\_\_\_\_  
 Level: (low/med) LOW Date Received: 11/14/89  
 % Moisture: not dec. \_\_\_\_\_ dec. \_\_\_\_\_ Date Extracted: 11/17/89  
 Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 11/30/89  
 GPC Cleanup: (Y/N) N PR: \_\_\_\_\_ Dilution Factor: 1.00

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	0.050 U
309-00-2	Aldrin	0.050 U
1024-57-3	Heptachlor epoxide	0.050 U
959-98-8	Endosulfan I	0.050 U
60-57-1	Dieldrin	0.10 U
72-55-9	4,4'-DDE	0.10 U
72-20-8	Endrin	0.10 U
33213-65-9	Endosulfan II	0.10 U
72-54-8	4,4'-DDD	0.10 U
1031-07-8	Endosulfan sulfate	0.10 U
50-29-3	4,4'-DDT	0.10 U
72-43-5	Methoxychlor	0.50 U
53494-70-5	Endrin ketone	0.10 U
5103-71-9	alpha-Chlordane	0.50 U
5103-74-2	gamma-Chlordane	0.50 U
8001-35-2	Toxaphene	1.0 U
12674-11-2	Aroclor-1016	0.50 U
11104-28-2	Aroclor-1221	0.50 U
11141-16-5	Aroclor-1232	0.50 U
53469-21-9	Aroclor-1242	0.50 U
12672-29-6	Aroclor-1248	0.50 U
11097-69-1	Aroclor-1254	1.0 U
11096-82-5	Aroclor-1260	1.0 U

ID  
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

738001-06

Lab Name: COMPUCHEM LABORATORIES Contract: (2-88)-REVS  
 Lab Code: COMPU Case No.: 18410 SAS No.: \_\_\_\_\_ SDG No.: 5  
 Matrix: (soil/water) WATER Lab Sample ID: 301939  
 Sample wt/vol: 1000 (g/mL) ML Lab File ID: \_\_\_\_\_  
 Level: (low/med) LOW Date Received: 11/14/89  
 % Moisture: not dec. \_\_\_\_\_ dec. \_\_\_\_\_ Date Extracted: 11/15/89  
 Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 11/16/89  
 GPC Cleanup: (Y/N) N pH: \_\_\_\_\_ Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UWITS: (ug/L or ug/Kg) UG/L	Q
319-84-6	alpha-BHC	0.050	U
319-85-7	beta-BHC	0.050	U
319-86-8	delta-BHC	0.050	U
58-89-9	gamma-BHC (Lindane)	0.050	U
76-44-8	Heptachlor	0.050	U
309-00-2	Aldrin	0.050	U
1024-57-3	Heptachlor epoxide	0.050	U
959-98-8	Endosulfan I	0.050	U
60-57-1	Dieldrin	0.10	U
72-55-9	4,4'-DDE	0.10	U
72-20-8	Endrin	0.10	U
33213-65-9	Endosulfan II	0.10	U
72-54-8	4,4'-DDD	0.10	U
1031-07-8	Endosulfan sulfate	0.10	U
50-29-3	4,4'-DDT	0.10	U
72-43-5	Methoxychlor	0.50	U
53494-70-5	Endrin ketone	0.10	U
5103-71-9	alpha-Chlordane	0.50	U
5103-74-2	gamma-Chlordane	0.50	U
8001-35-2	Toxaphene	1.0	U
12674-11-2	Aroclor-1016	0.50	U
11104-28-2	Aroclor-1221	0.50	U
11141-16-5	Aroclor-1232	0.50	U
53469-21-9	Aroclor-1242	0.50	U
12672-29-6	Aroclor-1248	0.50	U
11097-69-1	Aroclor-1254	1.0	U
11096-82-5	Aroclor-1260	1.0	U

1D  
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

738001-08

Lab Name: COMPUCHEM LABORATORIES Contract: (2-88)-REVS  
 Lab Code: COMPU Case No.: 18410 SAS No.: \_\_\_\_\_ SDG No.: 5  
 Matrix: (soil/water) WATER Lab Sample ID: 301922  
 Sample wt/vol: 1000 (g/mL) ML Lab File ID: \_\_\_\_\_  
 Level: (low/med) LOW Date Received: 11/14/89  
 % Moisture: not dec. \_\_\_\_\_ dec. \_\_\_\_\_ Date Extracted: 11/17/89  
 Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 11/30/89  
 GPC Cleanup: (Y/N) N pH: \_\_\_\_\_ Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
319-84-6	alpha-BHC	0.050	U
319-85-7	beta-BHC	0.050	U
319-86-8	delta-BHC	0.050	U
58-89-9	gamma-BHC (Lindane)	0.050	U
76-44-8	Heptachlor	0.050	U
309-00-2	Aldrin	0.050	U
1024-57-3	Heptachlor epoxide	0.050	U
959-98-8	Endosulfan I	0.050	U
60-57-1	Dieldrin	0.10	U
72-55-9	4,4'-DDE	0.10	U
72-20-8	Endrin	0.10	U
33213-65-9	Endosulfan II	0.10	U
72-54-8	4,4'-DDD	0.10	U
1031-07-8	Endosulfan sulfate	0.10	U
50-29-3	4,4'-DDT	0.10	U
72-43-5	Methoxychlor	0.50	U
53494-70-5	Endrin ketone	0.10	U
5103-71-9	alpha-Chlordane	0.50	U
5103-74-2	gamma-Chlordane	0.50	U
8001-35-2	Toxaphene	1.0	U
12674-11-2	Aroclor-1016	0.50	U
11104-28-2	Aroclor-1221	0.50	U
11141-16-5	Aroclor-1232	0.50	U
53469-21-9	Aroclor-1242	0.50	U
12672-29-6	Aroclor-1248	0.50	U
11097-69-1	Aroclor-1254	1.0	U
11096-82-5	Aroclor-1260	1.0	U

1D  
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

738001-10

Lab Name: COMPUCNEM LABORATORIES Contract: (2-881-REVS)  
 Lab Code: COMPU Case No.: 18410 SAS No.: \_\_\_\_\_ SDG No.: 5  
 Matrix: (soil/water) WATER Lab Sample ID: 301938  
 Sample wt/vol: 1000 (g/mL) ML Lab File ID: \_\_\_\_\_  
 Level: (low/med) LOW Date Received: 11/14/89  
 % Moisture: not dec. \_\_\_\_\_ dec. \_\_\_\_\_ Date Extracted: 11/17/89  
 Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 11/21/89  
 GPC Cleanup: (Y/N) N pH: \_\_\_\_\_ Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
319-84-6	alpha-BHC	0.050	U
319-85-7	beta-BHC	0.050	U
319-86-8	delta-BHC	0.050	U
58-89-9	gamma-BHC (Lindane)	0.050	U
76-44-8	Heptachlor	0.050	U
309-00-2	Aldrin	0.050	U
1024-57-3	Heptachlor epoxide	0.050	U
959-98-8	Endosulfan I	0.050	U
60-57-1	Dieldrin	0.10	U
72-55-9	4,4'-DDE	0.10	U
72-20-8	Endrin	0.10	U
33213-65-9	Endosulfan II	0.10	U
72-54-8	4,4'-DDD	0.10	U
1031-07-8	Endosulfan sulfate	0.10	U
50-29-3	4,4'-DDT	0.10	U
72-43-5	Methoxychlor	0.50	U
53494-70-5	Endrin ketone	0.10	U
5103-71-9	alpha-Chlordane	0.50	U
5103-74-2	gamma-Chlordane	0.50	U
8001-35-2	Toxaphene	1.0	U
12674-11-2	Aroclor-1016	0.50	U
11104-28-2	Aroclor-1221	0.50	U
11141-16-5	Aroclor-1232	0.50	U
53469-21-9	Aroclor-1242	0.50	U
12672-29-6	Aroclor-1248	0.50	U
11097-69-1	Aroclor-1254	1.0	U
11096-82-5	Aroclor-1260	1.0	U

1D  
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

738001-12

Lab Name: COMPUCHEM LABORATORIES Contract: (2-88)-REVS  
 Lab Code: COMPU Case No.: 18410 SAS No.: \_\_\_\_\_ SDG No.: 5  
 Matrix: (soil/water) WATER Lab Sample ID: 301909  
 Sample wt/vol: 1000 (g/mL) ML Lab File ID: \_\_\_\_\_  
 Level: (low/med) LOW Date Received: 11/14/89  
 % Moisture: not dec. \_\_\_\_\_ dec. \_\_\_\_\_ Date Extracted: 11/15/89  
 Extraction: (SepP/Cont/Sonc) SEPF Date Analyzed: 11/15/89  
 GPC Cleanup: (Y/N) N pH: \_\_\_\_\_ Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS:	
		(ug/L or ug/Kg)	UG/L
319-84-6	alpha-BHC	0.050	U
319-85-7	beta-BHC	0.050	U
319-86-8	delta-BHC	0.050	U
58-89-9	gamma-BHC (Lindane)	0.050	U
76-44-8	Heptachlor	0.050	U
309-00-2	Aldrin	0.050	U
1024-57-3	Heptachlor epoxide	0.050	U
959-98-8	Endosulfan I	0.050	U
60-57-1	Dieldrin	0.10	U
72-55-9	4,4'-DDE	0.10	U
72-20-8	Endrin	0.10	U
33213-65-9	Endosulfan II	0.10	U
72-54-8	4,4'-DDD	0.10	U
1031-07-8	Endosulfan sulfate	0.10	U
50-29-3	4,4'-DDT	0.10	U
72-43-5	Methoxychlor	0.50	U
53494-70-5	Endrin ketone	0.10	U
5103-71-9	alpha-Chlordane	0.50	U
5103-74-2	gamma-Chlordane	0.50	U
8001-35-2	Toxaphene	1.0	U
12674-11-2	Aroclor-1016	0.50	U
11104-28-2	Aroclor-1221	0.50	U
11141-16-5	Aroclor-1232	0.50	U
53469-21-9	Aroclor-1242	0.50	U
12672-29-6	Aroclor-1248	0.50	U
11097-69-1	Aroclor-1254	1.0	U
11096-82-5	Aroclor-1260	1.0	U

1D  
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

738001-13

Lab Name: COMPUCHEM LABORATORIES Contract: (2-88)-REVS

Lab Code: COMPU Case No.: 18410 SAS No.: \_\_\_\_\_ SDG No.: 5

Matrix: (soil/water) WATER Lab Sample ID: 302174

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

Level: (low/med) LOW Date Received: 11/15/89

% Moisture: not dec. \_\_\_\_\_ dec. \_\_\_\_\_ Date Extracted: 11/17/89

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 11/18/89

GPC Cleanup: (Y/N) N pH: \_\_\_\_\_ Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
319-84-6	alpha-BHC	0.050	U
319-85-7	beta-BHC	0.050	U
319-86-8	delta-BHC	0.050	U
58-89-9	gamma-BHC (Lindane)	0.050	U
76-44-8	Heptachlor	0.050	U
309-00-2	Aldrin	0.050	U
1024-57-3	Heptachlor epoxide	0.050	U
959-98-8	Endosulfan I	0.050	U
60-57-1	Dieldrin	0.10	U
72-55-9	4,4'-DDE	0.10	U
72-20-8	Endrin	0.10	U
33213-65-9	Endosulfan II	0.10	U
72-54-8	4,4'-DDD	0.10	U
1031-07-8	Endosulfan sulfate	0.10	U
50-29-3	4,4'-DDT	0.10	U
72-43-5	Methoxychlor	0.50	U
53494-70-5	Endrin ketone	0.10	U
5103-71-9	alpha-Chlordane	0.50	U
5103-74-2	gamma-Chlordane	0.50	U
8001-35-2	Toxaphene	1.0	U
12674-11-2	Aroclor-1016	0.50	U
11104-28-2	Aroclor-1221	0.50	U
11141-16-5	Aroclor-1232	0.50	U
53469-21-9	Aroclor-1242	0.50	U
12672-29-6	Aroclor-1248	0.50	U
11097-69-1	Aroclor-1254	1.0	U
11096-82-5	Aroclor-1260	1.0	U

1D  
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

738001-14

Lab Name: COMPUCHEM LABORATORIES Contract: (2-88)-REVS  
 Lab Code: COMPU Case No.: 18410 SAS No.: \_\_\_\_\_ SDG No.: 5  
 Matrix: (soil/water) WATER Lab Sample ID: 302175  
 Sample wt/vol: 1000 (g/mL) ML Lab File ID: \_\_\_\_\_  
 Level: (low/med) LOW Date Received: 11/15/89  
 % Moisture: not dec. \_\_\_\_\_ dec. \_\_\_\_\_ Date Extracted: 11/17/89  
 Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 11/18/89  
 GPC Cleanup: (Y/N) N pH: \_\_\_\_\_ Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS:	
		(ug/L or ug/Kg)	UG/L
319-84-6	alpha-BHC	0.050	U
319-85-7	beta-BHC	0.050	U
319-86-8	delta-BHC	0.050	U
58-89-9	gamma-BHC (Lindane)	0.050	U
76-44-8	Heptachlor	0.050	U
309-00-2	Aldrin	0.050	U
1024-57-3	Heptachlor epoxide	0.050	U
959-98-8	Endosulfan I	0.050	U
60-57-1	Dieldrin	0.10	U
72-55-9	4,4'-DDE	0.10	U
72-20-8	Endrin	0.10	U
33213-65-9	Endosulfan II	0.10	U
72-54-8	4,4'-DDD	0.10	U
1031-07-8	Endosulfan sulfate	0.10	U
50-29-3	4,4'-DDT	0.10	U
72-43-5	Methoxychlor	0.50	U
53494-70-5	Endrin ketone	0.10	U
5103-71-9	alpha-Chlordane	0.50	U
5103-74-2	gamma-Chlordane	0.50	U
8001-35-2	Toxaphene	1.0	U
12674-11-2	Aroclor-1016	0.50	U
11104-28-2	Aroclor-1221	0.50	U
11141-16-5	Aroclor-1232	0.50	U
53469-21-9	Aroclor-1242	0.50	U
12672-29-6	Aroclor-1248	0.50	U
11097-69-1	Aroclor-1254	1.0	U
11096-82-5	Aroclor-1260	1.0	U



1D  
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

738001-15

Lab Name: COMPUCHEM LABORATORIES Contract: (2-88)-REVS  
 Lab Code: COMPU Case No.: 18410 SAS No.: \_\_\_\_\_ SDG No.: 5  
 Matrix: (soil/water) WATER Lab Sample ID: 302150  
 Sample wt/vol: 1000 (g/mL) ML Lab File ID: \_\_\_\_\_  
 Level: (low/med) LOW Date Received: 11/15/89  
 % Moisture: not dec. \_\_\_\_\_ dec. \_\_\_\_\_ Date Extracted: 11/17/89  
 Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 11/17/89  
 GPC Cleanup: (Y/N) N pH: \_\_\_\_\_ Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
319-84-6	alpha-BHC	0.050	U
319-85-7	beta-BHC	0.050	U
319-86-8	delta-BHC	0.050	U
58-89-9	gamma-BHC (Lindane)	0.050	U
76-44-8	Heptachlor	0.050	U
309-00-2	Aldrin	0.050	U
1024-57-3	Heptachlor epoxide	0.050	U
959-98-8	Endosulfan I	0.050	U
60-57-1	Dieldrin	0.10	U
72-55-9	4,4'-DDE	0.10	U
72-20-8	Endrin	0.10	U
33213-65-9	Endosulfan II	0.10	U
72-54-8	4,4'-DDD	0.10	U
1031-07-8	Endosulfan sulfate	0.10	U
50-29-3	4,4'-DDT	0.10	U
72-43-5	Methoxychlor	0.50	U
53494-70-5	Endrin ketone	0.10	U
5103-71-9	alpha-Chlordane	0.50	U
5103-74-2	gamma-Chlordane	0.50	U
8001-35-2	Toxaphene	1.0	U
12674-11-2	Aroclor-1016	0.50	U
11104-28-2	Aroclor-1221	0.50	U
11141-16-5	Aroclor-1232	0.50	U
53469-21-9	Aroclor-1242	0.50	U
12672-29-6	Aroclor-1248	0.50	U
11097-69-1	Aroclor-1254	1.0	U
11096-82-5	Aroclor-1260	1.0	U

1D  
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

738001-16

Lab Name: COMPUCHEM LABORATORIES Contract: (2-88)-REVS  
 Lab Code: COMPU Case No.: 18410 SAS No.: \_\_\_\_\_ SDG No.: 5  
 Matrix: (soil/water) WATER Lab Sample ID: 302154  
 Sample wt/vol: 1000 (g/mL) ML Lab File ID: \_\_\_\_\_  
 Level: (low/med) LOW Date Received: 11/15/89  
 % Moisture: not dec. \_\_\_\_\_ dec. \_\_\_\_\_ Date Extracted: 11/17/89  
 Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 11/17/89  
 GPC Cleanup: (Y/N) N pH: \_\_\_\_\_ Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/L</u>	Q
319-84-6	alpha-BHC	0.050	U
319-85-7	beta-BHC	0.050	U
319-86-8	delta-BHC	0.050	U
58-89-9	gamma-BHC (Lindane)	0.050	U
76-44-8	Heptachlor	0.050	U
309-00-2	Aldrin	0.050	U
1024-57-3	Heptachlor epoxide	0.050	U
959-98-8	Endosulfan I	0.050	U
60-57-1	Dieldrin	0.10	U
72-55-9	4,4'-DDE	0.10	U
72-20-8	Endrin	0.10	U
33213-65-9	Endosulfan II	0.10	U
72-54-8	4,4'-DDD	0.10	U
1031-07-8	Endosulfan sulfate	0.10	U
50-29-3	4,4'-DDT	0.10	U
72-43-5	Methoxychlor	0.50	U
53494-70-5	Endrin ketone	0.10	U
5103-71-9	alpha-Chlordane	0.50	U
5103-74-2	gamma-Chlordane	0.50	U
8001-35-2	Toxaphene	1.0	U
12674-11-2	Aroclor-1016	0.50	U
11104-28-2	Aroclor-1221	0.50	U
11141-16-5	Aroclor-1232	0.50	U
53469-21-9	Aroclor-1242	0.50	U
12672-29-6	Aroclor-1248	0.50	U
11097-69-1	Aroclor-1254	1.0	U
11096-82-5	Aroclor-1260	1.0	U

ID  
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

738001-17

Lab Name: COMPUCHEM LABORATORIES Contract: (2-88)-REYS  
 Lab Code: COMPU Case No.: 18410 SAS No.: \_\_\_\_\_ SDG No.: 5  
 Matrix: (soil/water) WATER Lab Sample ID: 302172  
 Sample wt/vol: 1000 (g/mL) NL Lab File ID: \_\_\_\_\_  
 Level: (low/med) LOW Date Received: 11/15/89  
 % Moisture: not dec. \_\_\_\_\_ dec. \_\_\_\_\_ Date Extracted: 11/17/89  
 Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 11/18/89  
 GPC Cleanup: (Y/N) N pH: \_\_\_\_\_ Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS:	
		(ug/L or ug/Kg)	UG/L Q
319-84-6	alpha-BHC	0.050	U
319-85-7	beta-BHC	0.050	U
319-86-8	delta-BHC	0.050	U
58-89-9	gamma-BHC (Lindane)	0.050	U
76-44-8	Heptachlor	0.050	U
309-00-2	Aldrin	0.050	U
1024-57-3	Heptachlor epoxide	0.050	U
959-98-8	Endosulfan I	0.050	U
60-57-1	Dieldrin	0.10	U
72-55-9	4,4'-DDE	0.10	U
72-20-8	Endrin	0.10	U
33213-65-9	Endosulfan II	0.10	U
72-54-8	4,4'-DDD	0.10	U
1031-07-8	Endosulfan sulfate	0.10	U
50-29-3	4,4'-DDT	0.10	U
72-43-5	Methoxychlor	0.50	U
53494-70-5	Endrin ketone	0.10	U
5103-71-9	alpha-Chlordane	0.50	U
5103-74-2	gamma-Chlordane	0.50	U
8001-35-2	Toxaphene	1.0	U
12674-11-2	Aroclor-1016	0.50	U
11104-28-2	Aroclor-1221	0.50	U
11141-16-5	Aroclor-1232	0.50	U
53469-21-9	Aroclor-1242	0.50	U
12672-29-6	Aroclor-1248	0.50	U
11097-69-1	Aroclor-1254	1.0	U
11096-82-5	Aroclor-1260	1.0	U

ID  
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

738001-18

Lab Name: COMPUCHEM LABORATORIES Contract: (2-881)-REVS  
 Lab Code: COMPU Case No.: 18410 SAS No.: \_\_\_\_\_ SDG No.: 5  
 Matrix: (soil/water) WATER Lab Sample ID: 302173  
 Sample wt/vol: 1000 (g/mL) ML Lab File ID: \_\_\_\_\_  
 Level: (low/med) LOW Date Received: 11/15/89  
 % Moisture: not dec. \_\_\_\_\_ dec. \_\_\_\_\_ Date Extracted: 11/17/89  
 Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 11/18/89  
 GPC Cleanup: (Y/N) N pH: \_\_\_\_\_ Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS:	
		(ug/L or ug/Kg) <u>UG/L</u>	<u>Q</u>
319-84-6	alpha-BHC	0.050	U
319-85-7	beta-BHC	0.050	U
319-86-8	delta-BHC	0.050	U
58-89-9	gamma-BHC (Lindane)	0.050	U
76-44-8	Heptachlor	0.050	U
309-00-2	Aldrin	0.050	U
1024-57-3	Heptachlor epoxide	0.050	U
959-98-8	Endosulfan I	0.050	U
60-57-1	Dieldrin	0.10	U
72-55-9	4,4'-DDE	0.10	U
72-20-8	Endrin	0.10	U
33213-65-9	Endosulfan II	0.10	U
72-54-8	4,4'-DDD	0.10	U
1031-07-8	Endosulfan sulfate	0.10	U
50-29-3	4,4'-DDT	0.10	U
72-43-5	Methoxychlor	0.50	U
53494-70-5	Endrin ketone	0.10	U
5103-71-9	alpha-Chlordane	0.50	U
5103-74-2	gamma-Chlordane	0.50	U
8001-35-2	Toxaphene	1.0	U
12674-11-2	Aroclor-1016	0.50	U
11104-28-2	Aroclor-1221	0.50	U
11141-16-5	Aroclor-1232	0.50	U
53469-21-9	Aroclor-1242	0.50	U
12672-29-6	Aroclor-1248	0.50	U
11097-69-1	Aroclor-1254	1.0	U
11096-82-5	Aroclor-1260	1.0	U

1D  
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

738001-21

Lab Name: COMPUCHEM LABORATORIES Contract: (2-88)-REVS  
 Lab Code: COMPU Case No.: 18410 SAS No.: \_\_\_\_\_ SDG No.: 5  
 Matrix: (soil/water) WATER Lab Sample ID: 302168  
 Sample wt/vol: 1000 (g/mL) ML Lab File ID: \_\_\_\_\_  
 Level: (low/med) LOW Date Received: 11/15/89  
 % Moisture: not dec. \_\_\_\_\_ dec. \_\_\_\_\_ Date Extracted: 11/17/89  
 Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 11/22/89  
 GPC Cleanup: (Y/M) N pH: \_\_\_\_\_ Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/L</u>	<u>Q</u>
319-84-6	alpha-BHC	0.050	U
319-85-7	beta-BHC	0.050	U
319-86-8	delta-BHC	0.050	U
58-89-9	gamma-BHC (Lindane)	0.050	U
76-44-8	Heptachlor	0.050	U
309-00-2	Aldrin	0.050	U
1024-57-3	Heptachlor epoxide	0.050	U
959-98-8	Endosulfan I	0.050	U
60-57-1	Dieldrin	0.10	U
72-55-9	4,4'-DDE	0.10	U
72-20-8	Endrin	0.10	U
33213-65-9	Endosulfan II	0.10	U
72-54-8	4,4'-DDD	0.10	U
1031-07-8	Endosulfan sulfate	0.10	U
50-29-3	4,4'-DDT	0.10	U
72-43-5	Methoxychlor	0.50	U
53494-70-5	Endrin ketone	0.10	U
5103-71-9	alpha-Chlordane	0.50	U
5103-74-2	gamma-Chlordane	0.50	U
8001-35-2	Toxaphene	1.0	U
12674-11-2	Aroclor-1016	0.50	U
11104-28-2	Aroclor-1221	0.50	U
11141-16-5	Aroclor-1232	0.50	U
53469-21-9	Aroclor-1242	0.50	U
12672-29-6	Aroclor-1248	0.50	U
11097-69-1	Aroclor-1254	1.0	U
11096-82-5	Aroclor-1260	1.0	U

1D  
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

738001-22

Lab Name: COMPUCHEM LABORATORIES Contract: (2-88)-REVS  
 Lab Code: COMPU Case No.: 18410 SAS No.: \_\_\_\_\_ SDG No.: 5  
 Matrix: (soil/water) WATER Lab Sample ID: 302155  
 Sample wt/vol: 1000 (g/mL) ML Lab File ID: \_\_\_\_\_  
 Level: (low/med) LOW Date Received: 11/15/89  
 % Moisture: not dec. \_\_\_\_\_ dec. \_\_\_\_\_ Date Extracted: 11/17/89  
 Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 11/17/89  
 GPC Cleanup: (Y/N) N pH: \_\_\_\_\_ Dilution Factor: 1.00

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/L</u>	Q
319-84-6	alpha-BHC	0.050	U
319-85-7	beta-BHC	0.050	U
319-86-8	delta-BHC	0.050	U
58-89-9	gamma-BHC (Lindane)	0.050	U
76-44-8	Heptachlor	0.050	U
309-00-2	Aldrin	0.050	U
1024-57-3	Heptachlor epoxide	0.050	U
959-98-8	Endosulfan I	0.050	U
60-57-1	Dieldrin	0.10	U
72-55-9	4,4'-DDE	0.10	U
72-20-8	Endrin	0.10	U
33213-65-9	Endosulfan II	0.10	U
72-54-8	4,4'-DDD	0.10	U
1031-07-8	Endosulfan sulfate	0.10	U
50-29-3	4,4'-DDT	0.10	U
72-43-5	Methoxychlor	0.50	U
53494-70-5	Endrin ketone	0.10	U
5103-71-9	alpha-Chlordane	0.50	U
5103-74-2	gamma-Chlordane	0.50	U
8001-35-2	Toxaphene	1.0	U
12674-11-2	Aroclor-1016	0.50	U
11104-28-2	Aroclor-1221	0.50	U
11141-16-5	Aroclor-1232	0.50	U
53469-21-9	Aroclor-1242	0.50	U
12672-29-6	Aroclor-1248	0.50	U
11097-69-1	Aroclor-1254	1.0	U
11096-82-5	Aroclor-1260	1.0	U

1D  
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

738001-23

Lab Name: COMPUCHEM LABORATORIES Contract: (2-88)-REVS  
 Lab Code: COMPU Case No.: 18410 SAS No.: \_\_\_\_\_ SDG No.: 5  
 Matrix: (soil/water) WATER Lab Sample ID: 302182  
 Sample wt/vol: 1000 (g/mL) ML Lab File ID: \_\_\_\_\_  
 Level: (low/med) LOW Date Received: 11/15/89  
 % Moisture: not dec. \_\_\_\_\_ dec. \_\_\_\_\_ Date Extracted: 11/17/89  
 Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 11/22/89  
 GPC Cleanup: (Y/N) N pH: \_\_\_\_\_ Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
319-84-6	alpha-BHC	0.050	U
319-85-7	beta-BHC	0.050	U
319-86-8	delta-BHC	0.050	U
58-89-9	gamma-BHC (Lindane)	0.050	U
76-44-8	Heptachlor	0.050	U
309-00-2	Aldrin	0.050	U
1024-57-3	Heptachlor epoxide	0.050	U
959-98-8	Endosulfan I	0.050	U
60-57-1	Dieldrin	0.10	U
72-55-9	4,4'-DDE	0.10	U
72-20-8	Endrin	0.10	U
33213-65-9	Endosulfan II	0.10	U
72-54-8	4,4'-DDD	0.10	U
1031-07-8	Endosulfan sulfate	0.10	U
50-29-3	4,4'-DDT	0.10	U
72-43-5	Methoxychlor	0.50	U
53494-70-5	Endrin ketone	0.10	U
5103-71-9	alpha-Chlordane	0.50	U
5103-74-2	gamma-Chlordane	0.50	U
8001-35-2	Toxaphene	1.0	U
12674-11-2	Aroclor-1016	0.50	U
11104-28-2	Aroclor-1221	0.50	U
11141-16-5	Aroclor-1232	0.50	U
53469-21-9	Aroclor-1242	0.50	U
12672-29-6	Aroclor-1248	0.50	U
11097-69-1	Aroclor-1254	1.0	U
11096-82-5	Aroclor-1260	1.0	U

1D  
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

738001-23

Lab Name: COMPUCHEM LABORATORIES Contract: (2-88)-REYS  
 Lab Code: COMPU Case No.: 18410 SAS No.: \_\_\_\_\_ SDG No.: 5  
 Matrix: (soil/water) WATER Lab Sample ID: 302182  
 Sample wt/vol: 1000 (g/mL) ML Lab File ID: \_\_\_\_\_  
 Level: (low/med) LOW Date Received: 11/15/89  
 % Moisture: not dec. \_\_\_\_\_ dec. \_\_\_\_\_ Date Extracted: 11/17/89  
 Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 11/22/89  
 GPC Cleanup: (Y/N) N pH: \_\_\_\_\_ Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
319-84-6	alpha-BHC	0.050	U
319-85-7	beta-BHC	0.050	U
319-86-8	delta-BHC	0.050	U
58-89-9	gamma-BHC (Lindane)	0.050	U
76-44-8	Heptachlor	0.050	U
309-00-2	Aldrin	0.050	U
1024-57-3	Heptachlor epoxide	0.050	U
959-98-8	Endosulfan I	0.050	U
60-57-1	Dieldrin	0.10	U
72-55-9	4,4'-DDE	0.10	U
72-20-8	Endrin	0.10	U
33213-65-9	Endosulfan II	0.10	U
72-54-8	4,4'-DDD	0.10	U
1031-07-8	Endosulfan sulfate	0.10	U
50-29-3	4,4'-DDT	0.10	U
72-43-5	Methoxychlor	0.50	U
53494-70-5	Endrin ketone	0.10	U
5103-71-9	alpha-Chlordane	0.50	U
5103-74-2	gamma-Chlordane	0.50	U
8001-35-2	Toxaphene	1.0	U
12674-11-2	Aroclor-1016	0.50	U
11104-28-2	Aroclor-1221	0.50	U
11141-16-5	Aroclor-1232	0.50	U
53459-21-9	Aroclor-1242	0.50	U
12672-29-6	Aroclor-1248	0.50	U
11097-69-1	Aroclor-1254	1.0	U
11096-82-5	Aroclor-1260	1.0	U

FORM T PEST

1/87 Rev.



ID  
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

718001-24

Lab Name: COMPUCHEM LABORATORIES Contract: (2-88)-REVS  
 Lab Code: COMPU Case No.: 18410 SAS No.: \_\_\_\_\_ SDG No.: 5  
 Matrix: (soil/water) WATER Lab Sample ID: 302176  
 Sample wt/vol: 1000 (g/mL) ML Lab File ID: \_\_\_\_\_  
 Level: (low/med) LOW Date Received: 11/15/89  
 % Moisture: not dec. \_\_\_\_\_ dec. \_\_\_\_\_ Date Extracted: 11/17/89  
 Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 11/22/89  
 GPC Cleanup: (Y/N) N pH: \_\_\_\_\_ Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
319-84-6	alpha-BHC	0.050	U
319-85-7	beta-BHC	0.050	U
319-86-8	delta-BHC	0.050	U
58-89-9	gamma-BHC (Lindane)	0.050	U
76-44-8	Heptachlor	0.050	U
309-00-2	Aldrin	0.050	U
1024-57-3	Heptachlor epoxide	0.050	U
959-98-8	Endosulfan I	0.050	U
60-57-1	Dieldrin	0.10	U
72-55-9	4,4'-DDE	0.10	U
72-20-8	Endrin	0.10	U
33213-65-9	Endosulfan II	0.10	U
72-54-8	4,4'-DDD	0.10	U
1031-07-8	Endosulfan sulfate	0.10	U
50-29-3	4,4'-DDT	0.10	U
72-43-5	Methoxychlor	0.50	U
53494-70-5	Endrin ketone	0.10	U
5103-71-9	alpha-Chlordane	0.50	U
5103-74-2	gamma-Chlordane	0.50	U
8001-35-2	Toxaphene	1.0	U
12674-11-2	Aroclor-1016	0.50	U
11104-28-2	Aroclor-1221	0.50	U
11141-16-5	Aroclor-1232	0.50	U
53469-21-9	Aroclor-1242	0.50	U
12672-29-6	Aroclor-1248	0.50	U
11097-69-1	Aroclor-1254	1.0	U
11096-82-5	Aroclor-1260	1.0	U

1D  
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

738001-25

Lab Name: COMPUCHEM LABORATORIES Contract: (2-88)-REVS  
 Lab Code: COMPU Case No.: 18410 SAS No.: \_\_\_\_\_ SDG No.: 5  
 Matrix: (soil/water) WATER Lab Sample ID: 302157  
 Sample wt/vol: 1000 (g/mL) ML Lab File ID: \_\_\_\_\_  
 Level: (low/med) LOW Date Received: 11/15/89  
 % Moisture: not dec. \_\_\_\_\_ dec. \_\_\_\_\_ Date Extracted: 11/17/89  
 Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 11/17/89  
 GPC Cleanup: (Y/N) N pH: \_\_\_\_\_ Dilution Factor: 1.00

CAS NO.	CONPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/L</u>	Q
319-84-6	alpha-BHC	0.050	U
319-85-7	beta-BHC	0.050	U
319-86-8	delta-BHC	0.050	U
58-89-9	gamma-BHC (Lindane)	0.050	U
76-44-8	Heptachlor	0.050	U
309-00-2	Aldrin	0.050	U
1024-57-3	Heptachlor epoxide	0.050	U
959-98-8	Endosulfan I	0.050	U
60-57-1	Dieldrin	0.10	U
72-55-9	4,4'-DDE	0.10	U
72-20-8	Endrin	0.10	U
33213-65-9	Endosulfan II	0.10	U
72-54-8	4,4'-DDD	0.10	U
1031-07-8	Endosulfan sulfate	0.10	U
50-29-3	4,4'-DDT	0.10	U
72-43-5	Methoxychlor	0.50	U
53494-70-5	Endrin ketone	0.10	U
5103-71-9	alpha-Chlordane	0.50	U
5103-74-2	gamma-Chlordane	0.50	U
8001-35-2	Toxaphene	1.0	U
12674-11-2	Aroclor-1016	0.50	U
11104-28-2	Aroclor-1221	0.50	U
11141-16-5	Aroclor-1232	0.50	U
53469-21-9	Aroclor-1242	0.50	U
12672-29-6	Aroclor-1248	0.50	U
11097-69-1	Aroclor-1254	1.0	U
11096-82-5	Aroclor-1260	1.0	U

ID  
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

738001-26

Lab Name: COMPUCHEM LABORATORIES Contract: (2-88)-REVS  
 Lab Code: COMPU Case No.: 18410 SAS No.: \_\_\_\_\_ SDG No.: 5  
 Matrix: (soil/water) WATER Lab Sample ID: 302166  
 Sample wt/vol: 1000 (g/mL) ML Lab File ID: \_\_\_\_\_  
 Level: (low/med) LOW Date Received: 11/15/89  
 % Moisture: not dec. \_\_\_\_\_ dec. \_\_\_\_\_ Date Extracted: 11/17/89  
 Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 11/17/89  
 GPC Cleanup: (Y/N) N pH: \_\_\_\_\_ Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/L</u>	Q
319-84-6	alpha-BHC	0.050	U
319-85-7	beta-BHC	0.050	U
319-86-8	delta-BHC	0.050	U
58-89-9	gamma-BHC (Lindane)	0.050	U
76-44-8	Heptachlor	0.050	U
309-00-2	Aldrin	0.050	U
1024-57-3	Heptachlor epoxide	0.050	U
959-98-8	Endosulfan I	0.050	U
60-57-1	Dieldrin	0.10	U
72-55-9	4,4'-DDE	0.10	U
72-20-8	Endrin	0.10	U
33213-65-9	Endosulfan II	0.10	U
72-54-8	4,4'-DDD	0.10	U
1031-07-8	Endosulfan sulfate	0.10	U
50-29-3	4,4'-DDT	0.10	U
72-43-5	Methoxychlor	0.50	U
53494-70-5	Endrin ketone	0.10	U
5103-71-9	alpha-Chlordane	0.50	U
5103-74-2	gamma-Chlordane	0.50	U
8001-35-2	Toxaphene	1.0	U
12674-11-2	Aroclor-1016	0.50	U
11104-28-2	Aroclor-1221	0.50	U
11141-16-5	Aroclor-1232	0.50	U
53469-21-9	Aroclor-1242	0.50	U
12672-29-6	Aroclor-1248	0.50	U
11097-69-1	Aroclor-1254	1.0	U
11096-82-5	Aroclor-1260	1.0	U

ID  
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

738001-01MS

Lab Name: COMPUCHEM LABORATORIES Contract: (2-88)-REVS  
 Lab Code: COMPU Case No.: 18410 SAS No.: \_\_\_\_\_ SDG No.: 5  
 Matrix: (soil/water) WATER Lab Sample ID: 301926  
 Sample wt/vol: 500 (g/mL) ML Lab File ID: \_\_\_\_\_  
 Level: (low/med) LOW Date Received: 11/14/89  
 % Moisture: not dec. \_\_\_\_\_ dec. \_\_\_\_\_ Date Extracted: 11/28/89  
 Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 11/29/89  
 GPC Cleanup: (Y/N) N pH: \_\_\_\_\_ Dilution Factor: 0.50

CAS NO.	COMPOUND	CONCENTRATION UNITS:	
		(ug/L or ug/Kg) <u>UG/L</u>	<u>Q</u>
319-84-6	alpha-BHC	0.050	U
319-85-7	beta-BHC	0.050	U
319-86-8	delta-BHC	0.050	U
58-89-9	gamma-BHC (Lindane)	0.050	U
76-44-8	Heptachlor	0.050	U
309-00-2	Aldrin	0.050	U
1024-57-3	Heptachlor epoxide	0.050	U
959-98-8	Endosulfan I	0.050	U
60-57-1	Dieldrin	0.10	U
72-55-9	4,4'-DDE	0.10	U
72-20-8	Endrin	0.10	U
33213-65-9	Endosulfan II	0.10	U
72-54-8	4,4'-DDD	0.10	U
1031-07-8	Endosulfan sulfate	0.10	U
50-29-3	4,4'-DDT	0.10	U
72-43-5	Methoxychlor	0.50	U
53494-70-5	Endrin ketone	0.10	U
5103-71-9	alpha-Chlordane	0.50	U
5103-74-2	gamma-Chlordane	0.50	U
8001-35-2	Toxaphene	1.0	U
12674-11-2	Aroclor-1016	0.50	U
11104-28-2	Aroclor-1221	0.50	U
11141-16-5	Aroclor-1232	0.50	U
53469-21-9	Aroclor-1242	0.50	U
12672-29-6	Aroclor-1248	0.50	U
11097-69-1	Aroclor-1254	1.0	U
11096-82-5	Aroclor-1260	1.0	U

ID  
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

738001-01MSD

Lab Name: COMFUCHEM LABORATORIES Contract: (2-88)-REVS  
 Lab Code: COMPU Case No.: 18410 SAS No.: \_\_\_\_\_ SDG No.: 5  
 Matrix: (soil/water) WATER Lab Sample ID: 301927  
 Sample wt/vol: 500 (g/mL) ML Lab File ID: \_\_\_\_\_  
 Level: (low/med) LOW Date Received: 11/14/89  
 % Moisture: not dec. \_\_\_\_\_ dec. \_\_\_\_\_ Date Extracted: 11/28/89  
 Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 11/29/89  
 GPC Cleanup: (Y/N) N pH: \_\_\_\_\_ Dilution Factor: 0.50

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/L</u>	Q
319-84-6	alpha-BHC	0.050	U
319-85-7	beta-BHC	0.050	U
319-86-8	delta-BHC	0.050	U
58-89-9	gamma-BHC (Lindane)	0.050	U
76-44-8	Heptachlor	0.050	U
309-00-2	Aldrin	0.050	U
1024-57-3	Heptachlor epoxide	0.050	U
959-98-8	Endosulfan I	0.050	U
60-57-1	Dieldrin	0.10	U
72-55-9	4,4'-DDE	0.10	U
72-20-8	Endrin	0.10	U
33213-65-9	Endosulfan II	0.10	U
72-54-8	4,4'-DDD	0.10	U
1031-07-8	Endosulfan sulfate	0.10	U
50-29-3	4,4'-DDT	0.10	U
72-43-5	Methoxychlor	0.50	U
53494-70-5	Endrin ketone	0.10	U
5103-71-9	alpha-Chlordane	0.50	U
5103-74-2	gamma-Chlordane	0.50	U
8001-35-2	Toxaphene	1.0	U
12674-11-2	Aroclor-1016	0.50	U
11104-28-2	Aroclor-1221	0.50	U
11141-16-5	Aroclor-1232	0.50	U
53469-21-9	Aroclor-1242	0.50	U
12672-29-6	Aroclor-1248	0.50	U
11097-69-1	Aroclor-1254	1.0	U
11096-82-5	Aroclor-1260	1.0	U

3. By fraction (VOA, BV, PEST) - surrogate spike analysis results (Form II) by matrix (Water and/or Soil) and for soil, by concentration (Low or Medium)

2A  
WATER VOLATILE SURROGATE RECOVERY

Lab Name: COMPUCHEM LABS Contract: (2-88)-REVS  
 Lab Code: COMPU Case No.: 18410 SAS No.: \_\_\_\_\_ SDG No.: 05

	EPA SAMPLE NO.	S1 (TOL) #	S2 (BFB) #	S3 (DCE) #	OTHER	TOT OUT
01	738001-01	97	98	102		0
02	738001-02	100	102	104		0
03	738001-03	99	96	102		0
04	738001-05	95	94	97		0
05	738001-06	96	94	97		0
06	738001-08	92	91	96		0
07	738001-10	93	97	102		0
08	738001-12	95	91	95		0
09	738001-13	95	91	88		0
10	738001-14	108	91	92		0
11	738001-15	97	89	88		0
12	738001-16	105	97	98		0
13	738001-17	94	88	84		0
14	738001-18	100	89	87		0
15	738001-21	93	86	82		0
16	738001-22	106	97	102		0
17	738001-22RE	108	97	95		0
18	738001-23	98	92	89		0
19	738001-24	98	87	86		0
20	738001-25	102	98	98		0
21	738001-26	103	89	88		0
22	738001-10MS	94	90	96		0
23	738001-10MSD	101	97	106		0
24	VBLKLB	100	100	98		0
25	VBLKGS	95	94	99		0
26	VBLKDG	103	93	94		0
27	VBLKNP	102	91	90		0

QC LIMITS

S1 (TOL) = Toluene-d8 ( 88-110)  
 S2 (BFB) = Bromofluorobenzene ( 86-115)  
 S3 (DCE) = 1,2-Dichloroethane-d4 ( 76-114)

‡ Column to be used to flag recovery values

\* Values outside of contract required QC limits

D Surrogates diluted out

2C  
WATER SEMIVOLATILE SURROGATE RECOVERY

Lab Name: COMPUCHEM LABS Contract: (2-88)-REVS  
 Lab Code: COMPU Case No.: 18410 SAS No.: \_\_\_\_\_ SDG No.: 05

	EPA SAMPLE NO.	S1 (NBZ) #	S2 (FBP) #	S3 (TPH) #	S4 (PHL) #	S5 (2FP) #	S6 (TBP) #	OTHER	TOT OUT
01	738001-05	71	77	124	40	63	88		0
02	738001-06	82	77	109	0 *	0 *	0 *		3
03	738001-06RE	51	71	76	0 *	0 *	0 *		3
04	738001-10	73	69	92	45	58	78		0
05	738001-13	86	94	116	18	27	40		0
06	738001-14	76	81	122	39	55	101		0
07	738001-15	80	80	114	45	65	111		0
08	738001-16	89	99	114	0 *	0 *	0 *		3
09	738001-16RE	75	95	97	0 *	0 *	0 *		3
10	738001-17	84	94	116	51	74	110		0
11	738001-18	72	82	112	35	49	80		0
12	738001-21	80	99	116	0 *	0 *	0 *		3
13	738001-21RE	74	90	98	0 *	0 *	0 *		3
14	738001-22	94	95	114	56	76	125 *		1
15	738001-22DL	74	72	113	42	56	82		0
16	738001-23	49	52	65	23	23	53		0
17	738001-24	57	59	78	0 *	0 *	4 *		3
18	738001-24RE	77	91	112	0 *	0 *	4 *		3
19	738001-25	83	95	110	43	64	109		0
20	738001-26	79	86	112	43	69	115		0
21	738001-18MS	95	100	129	61	72	85		0
22	738001-18MSD	103	96	130	68	77	107		0
23	SBLK61	66	70	90	35	50	72		0
24	SBLK64	74	74	137	46	69	96		0
25	SBLK65	53	60	58	39	50	80		0
26	SBLK66	82	82	107	46	64	95		0
27	SBLK86	61	57	79	36	48	61		0

QC LIMITS

S1 (NBZ) = Nitrobenzene-d5 ( 35-114)  
 S2 (FBP) = 2-Fluorobiphenyl ( 43-116)  
 S3 (TPH) = Terphenyl ( 33-141)  
 S4 (PHL) = Phenol-d5 ( 10-94 )  
 S5 (2FP) = 2-Fluorophenol ( 21-100)  
 S6 (TBP) = 2,4,6-Tribromophenol ( 10-123)

- # Column to be used to flag recovery values  
 \* Values outside of contract required QC limits  
 D Surrogates diluted out



2E  
WATER PESTICIDE SURROGATE RECOVERY

Lab Name: COMPUCHEM LABORATORIES      Contract: (2-88)-REVS  
 Lab Code: COMPU      Case No.: 18410      SAS No.: \_\_\_\_\_      SDG No.: 5

	EPA SAMPLE NO.	S1 (DBC)#	OTHER
01	PBLK03	96	0
02	738001-03	100	0
03	738001-06	89	0
04	738001-12	97	0
05	738001-02	126	0
06	738001-01	102	0
07	738001-08	100	0
08	738001-05	99	0
09	PBLK25	98	0
10	738001-15	73	0
11	738001-16	92	0
12	738001-22	84	0
13	738001-25	82	0
14	738001-26	68	0
15	738001-17	51	0
16	738001-18	102	0
17	738001-13	80	0
18	738001-14	64	0
19	738001-21	139	0
20	738001-24	91	0
21	738001-23	78	0
22	PBLK98	96	0
23	738001-01MS	112	0
24	738001-01MSD	64	0
25	738001-10	70	0
26	PBLK19	97	0
27			
28			
29			
30			

ADVISORY  
QC LIMITS  
(24-154)

..S1 (DBC) = Dibutylchloroendate

# Column used to flag recovery values

\* Values outside of QC limits

D Surrogates diluted out

4. By fraction (VOA, SV, PEST) - matrix spike duplicate results  
(Form III)

## WATER VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: COMPUCHEM LABS Contract: (2-88)-REVS  
 Lab Code: COMPU Case No.: 18410 SAS No.: \_\_\_\_\_ SDG No.: 05  
 Matrix Spike - EPA Sample No.: 738001-10

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC #	QC LIMITS REC.
1,1-Dichloroethene	50.0	0	55.8	112	61-145
Trichloroethane	50.0	0	51.7	103	71-120
Benzene	50.0	0	49.6	99	76-127
Toluene	50.0	0	47.0	94	76-125
Chlorobenzene	50.0	0	49.4	99	75-130

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC #	% RPD #	QC LIMITS RPD	REC.
1,1-Dichloroethene	50.0	64.6	129	-14	14	61-145
Trichloroethane	50.0	59.0	118	-14	14	71-120
Benzene	50.0	56.7	113	-13 *	11	76-127
Toluene	50.0	52.4	105	-11	13	76-125
Chlorobenzene	50.0	58.0	116	-16 *	13	75-130

# Column to be used to flag recovery and RPD values with an asterisk

\* Values outside of QC limits

RPD: 2 out of 5 outside limits

Spike Recovery: 0 out of 10 outside limits

COMMENTS: CLP , 1841, 05, 10, LOW, WATER, 201938, VOLATILE, ,  
 TUNE: 0012 111589 1026

## WATER SEMIVOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: COMPUCHEM LABS Contract: (2-88)-REVS  
 Lab Code: COMPU Case No.: 18410 SAS No.: \_\_\_\_\_ SDG No.: 05  
 Matrix Spike - EPA Sample No.: 738001-18

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC #	QC LIMITS REC.
Phenol	200	0	123	62	12- 86
2-Chlorophenol	200	0	167	84	27-123
1,4-Dichlorobenzene	100	0	76.0	76	16 97
N-Nitroso-di-n-prop. (1)	100	0	87.8	88	41 116
1,2,4-Trichlorobenzene	100	0	83.0	83	39 98
4-Chloro-3-methylphenol	200	0	164	82	23 97
Acenaphthene	100	0	96.8	97	46-118
4-Nitrophenol	200	0	167	84 *	10- 80
2,4-Dinitrotoluene	100	0	105	105 *	24- 96
Pentachlorophenol	200	0	170	85	9-103
Pyrene	100	0	119	119	26-127

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC #	% RPD #	QC LIMITS RPD	REC.
Phenol	200	149	75	-19	42	12- 86
2-Chlorophenol	200	180	90	-7	40	27-123
1,4-Dichlorobenzene	100	77.6	78	-3	28	36 97
N-Nitroso-di-n-prop. (1)	100	91.4	91	-3	38	41 116
1,2,4-Trichlorobenzene	100	90.4	90	-8	28	39 98
4-Chloro-3-methylphenol	200	193	97	-17	42	23 97
Acenaphthene	100	104	104	-7	31	46-118
4-Nitrophenol	200	170	85 *	-1	50	10- 80
2,4-Dinitrotoluene	100	116	116 *	-10	38	24- 96
Pentachlorophenol	200	206	103	-19	50	9-103
Pyrene	100	122	122	-2	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: 0 out of 11 outside limits  
 Spike Recovery: 4 out of 22 outside limits

COMMENTS: CLP ,1841,05,18,LOW,WATER, J02173,BNA, ,  
 TUNE: 0006 111989 1109

3E  
WATER PESTICIDE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: COMPUCHEM LABORATORIES Contract: (2-88)-REVS  
 Lab Code: COMPU Case No.: 18410 SAS No.: \_\_\_\_\_ SDG No.: 5  
 Matrix Spike - EPA Sample No.: 738001-01

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC #	QC LIMITS REC.
gamma-BHC (Lindane)	0.200	0.000	0.160	80	56-123
Heptachlor	0.200	0.000	0.180	90	40-131
Aldrin	0.200	0.000	0.180	90	40-120
Dieldrin	0.500	0.000	0.470	94	52-126
Endrin	0.500	0.000	0.480	96	56-121
4,4'-DDT	0.500	0.000	0.360	72	38-127

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC #	% RPD #	QC LIMITS RPD REC.
gamma-BHC (Lindane)	0.200	0.030	15 *	137 *	15 56-123
Heptachlor	0.200	0.190	95	5	20 40-131
Aldrin	0.200	0.200	100	11	22 40-120
Dieldrin	0.500	0.520	104	10	18 52-126
Endrin	0.500	0.560	112	15	21 56-121
4,4'-DDT	0.500	0.400	80	11	27 38-127

# Column to be used to flag recovery and RPD values with an asterisk

\* Values outside of QC limite

RPD: 1 out of 6 outside limite  
 Spike Recovery: 1 out of 12 outside limits

COMMENTS: \_\_\_\_\_  
 \_\_\_\_\_

5. By fraction (VOA, SV, PEST) - blank data (Form IV) and tabulated results (Form I) including tentatively identified compounds (Form I, TIC) (VOA and SV only)

4A  
VOLATILE METHOD BLANK SUMMARY

Lab Name: COMPUCHEM LABS Contract: (2-88)-REVS  
Lab Code: COMFU Case No.: 18410 SAS No.: \_\_\_\_\_ SDG No.: 05  
Lab File ID: CB891115C12 Lab Sample ID: VBLKLB  
Date Analyzed: 11/15/89 Time Analyzed: 0226  
Matrix: (soil/water) WATER Level: (low/med) LOW  
Instrument ID: 12

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	738001-06	301939	CN001939A12	1142

COMMENTS: CLP , , , , , , , , , , VOLATILE, BLANK,  
TUNE: 0012 111589 0121

1A  
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLKLB

Lab Name: COMPUCHEM LABS Contract: (2-88)-REVS  
 Lab Code: COMPU Casa No.: 18410 SAS No.: \_\_\_\_\_ SDG No.: 05  
 Matrix: (soil/water) WATER Lab Sample ID: VBLKLB  
 Sample wt/vol: 5.0 (g/mL) ML Lab File ID: CBB91115C12  
 Level: (low/med) LOW Date Received: \_\_\_\_\_  
 % Moisture: not dec. \_\_\_\_\_ Date Analyzed: 11/15/89  
 Column: (pack/cap) CAP Dilution Factor: 1.0

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

FORM I VOA

1/87 Rev.



1E  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

VBLKLB

Lab Name: COMPUCHEM LABS Contract: (2-88)-REVS  
 Lab Code: COMPU Case No.: 18410 SAS No.: \_\_\_\_\_ SDG No.: 03  
 Matrix: (soil/water) WATER Lab Sample ID: VBLKLB  
 Sample wt/vol: 5.0 (g/mL) ML Lab File ID: CB891115C12  
 Level: (low/med) LOW Date Received: \_\_\_\_\_  
 % Moisture: not dec. \_\_\_\_\_ Date Analyzed: 11/15/89  
 Column (pack/cap) CAP Dilution Factor: 1.0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

4A  
VOLATILE METHOD BLANK SUMMARY

Lab Name: COMFUCHEM LABS Contract: (2-88)-REVS  
 Lab Code: COMPU Case No.: 18410 SAS No.: \_\_\_\_\_ SDG No.: 05  
 Lab File ID: CCS91115A12 Lab Sample ID: VBLKGS  
 Date Analyzed: 11/15/89 Time Analyzed: 1534  
 Matrix: (soil/water) WATER Level: (low/med) LOW  
 Instrument ID: 12

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	738001-01	301917	CN001917B12	1729
02	738001-02	301910	CN001910B12	1656
03	738001-03	301918	CN001918B12	1809
04	738001-05	301937	CN001937B12	1919
05	738001-08	301922	CN001922B12	1845
06	738001-10	301938	CN001938B12	1957
07	738001-12	301909	CN001909B12	1621
08	738001-10MS	301923	CN001923B12	2031
09	738001-10MSD	301924	CN001924B12	2110

COMMENTS: CLP ,1841,05,06,LOW,WATER,301939,VOLATILE,BLANK,  
TUNE: 0012 111589 1326

1A  
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLKGS

Lab Name: COMPUCHEM LABS Contract: (2-88)-REVS  
 Lab Code: COMPU Gase No.: 18410 SAS No.: \_\_\_\_\_ SDG No.: 05  
 Matrix: (soil/water) WATER Lab Sample IO: VBLKGS  
 Sample wt/vol: \_\_\_\_\_ (g/mL) ML Lab File ID: CC891115A12  
 Level: (low/med) LOW Date Received: \_\_\_\_\_  
 % Moisture: not dec. \_\_\_\_\_ Date Analyzed: 11/15/89  
 Column: (pack/cap) CAP Dilution Factor: 1

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

FORM I VOA

1/87 Rev.

1E  
 VOLATILE ORGANICS ANALYSIS DATA SHEET  
 TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

VBLKGS

Lab Name: COMPUCHEM LABS Contract: (2-88)-REVS  
 Lab Code: COMPU Case No.: 18410 SAS No.: \_\_\_\_\_ SDG No.: 05  
 Matrix: (soil/water) WATER Lab Sample ID: VBLKGS  
 Sample wt/vol: \_\_\_\_\_ (g/mL) ML Lab File ID: GC891115A12  
 Level: (low/med) LOW Date Received: \_\_\_\_\_  
 % Moisture: not dec. \_\_\_\_\_ Date Analyzed: 11/15/89  
 Column (pack/cep) CAP Dilution Factor: 1

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

4A  
VOLATILE METHOD BLANK SUMMARY

Lab Name: COMPUCHEM LABS Contract: (2-88)-REVS  
 Lab Code: COMPU Case No.: 18410 SAS No.: \_\_\_\_\_ SDG No.: 05  
 Lab File ID: CCB91116C18 Lab Sample ID: VBLKDG  
 Date Analyzed: 11/16/89 Time Analyzed: 0206  
 Matrix: (soil/water) WATER Level: (low/med) LOW  
 Instrument ID: 18

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	738001-15	302150	CN00215DC18	0753
02	738001-16	302154	CN002154A18	0819
03	738001-22	302195	CR002155A18	1034
04	738001-22RE	302155	C2R02155A18	1156
05	738001-25	302157	CN002157A18	1108

COMMENTS: CLP ,1841,05,17,LOW,WATER,302172,VOLATILE,BLANK,  
TUNE: 0018 111689 0030

1A  
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLKDG

Lab Name: COMPUCHEM LABS Contract: (2-88)-REVS  
 Lab Code: COMPU Case No.: 18410 SAS No.: \_\_\_\_\_ SDG No.: 05  
 Matrix: (soil/water) WATER Lab Sample ID: VBLKDG  
 Sample wt/vol: 5.0 (g/mL) ML Lab File ID: CC891116C1B  
 Level: (low/med) LOW Date Received: \_\_\_\_\_  
 % Moisture: not dec. \_\_\_\_\_ Date Analyzed: 11/16/89  
 Column: (pack/cap) CAP Dilution Factor: 1.0

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

FORM I VOA

1/87 Rev.

1E  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

VBLKDG

Lab Name: COMPUCHEM LABS Contract: (2-88)-REVS  
 Lab Code: COMPU Case No.: 18410 SAS No.: \_\_\_\_\_ SDG No.: 05  
 Matrix: (soil/water) WATER Lab Sample ID: VBLKDG  
 Sample wt/vol: 5.0 (g/mL) ML Lab File ID: CC891116C18  
 Level: (low/med) LOW Date Received: \_\_\_\_\_  
 % Moisture: not dec. \_\_\_\_\_ Date Analyzed: 11/16/89  
 Column (pack/cap) CAP Dilution Factor: 1.0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

4A  
VOLATILE METHOD BLANK SUMMARY

Lab Name: COMPUCHEM LABS Contract: (2-88)-REVS  
 Lab Code: COMFU Case No.: 18410 SAS No.: \_\_\_\_\_ SDG No.: 05  
 Lab File ID: CC891116A18 Lab Sample ID: VBLXNP  
 Date Analyzed: 11/16/89 Time Analyzed: 1514  
 Matrix: (soil/water) WATER Level: (low/med) LOW  
 Instrument ID: 18

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	738001-13	302174	CN002174B18	2021
02	738001-14	302175	CN002175B18	2105
03	738001-17	302172	CR002172B18	1933
04	738001-18	302173	CN002173B18	1852
05	738001-21	302168	CN002168B18	1743
06	738001-23	302182	CR002182B18	2340
07	738001-24	302176	CN002176B18	2158
08	738001-26	302166	CN002166B18	1714

COMMENTS: CLP  
TUNE: 0018 111689 1403



1A  
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLKNP

Lab Name: COMPUCHEM LABS Contract: (2-88)-REYS  
 Lab Code: COMPU Case No.: 18410 SAS No.: \_\_\_\_\_ SDG No.: 05  
 Matrix: (soil/water) WATER Lab Sample ID: VBLKNP  
 Sample wt/vol: 5.0 (g/mL) ML Lab File ID: CC891116A18  
 Level: (low/med) LOW Date Received: \_\_\_\_\_  
 % Moisture: not dec. \_\_\_\_\_ Date Analyzed: 11/16/89  
 Column: (pack/cap) CAP Dilution Factor: 1.0

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

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

FORM I VOA

1/87 Rev.

1E  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

VBLKNP

Lab Name: COMPUCHEM LABS Contract: (2-88)-REVS  
 Lab Code: COMPU Case No.: 18410 SAS No.: \_\_\_\_\_ SDG No.: 05  
 Matrix: (soil/water) WATER Lab Sample ID: VBLKNP  
 Sample wt/vol: 5.0 (g/mL) ML Lab File ID: CC891116A18  
 Level: (low/med) LOW Date Received: \_\_\_\_\_  
 % Moisture: not dec. \_\_\_\_\_ Date Analyzed: 11/16/89  
 Column (pack/cap) CAP Dilution Factor: 1.0

Number TICs found: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

4B  
SEMIVOLATILE METHOD BLANK SUMMARY

Lab Name: COMPUCHEM LABS Contract: (2-88)-REVS  
 Lab Code: COMFU Case No.: 18410 SAS No.: \_\_\_\_\_ SDG No.: 05  
 Lab File ID: GH002771C20 Lab Sample ID: SBLK61  
 Date Extracted: 11/16/89 Extraction: (SepF/Cont/Sonc) SEPF  
 Date Analyzed: 11/17/89 Time Analyzed: 0409  
 Matrix: (soil/water) WATER Level: (low/med) LOW  
 Instrument ID: 20

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
01	738001-23	302182	GH002182C20	11/17/89
02	738001-24	302176	GH002176C20	11/17/89

COMMENTS: CLP , , , , LOW, WATER, 302771, BNA, BLANK,  
TUNE: 0020 111789 0114

1B  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBLK61

Lab Name: COMPUCHEM LABS Contract: (2-88)-REVS  
 Lab Code: COMPU Case No.: 18410 SAS No.: \_\_\_\_\_ SDG No.: 05  
 Matrix: (soil/water) WATER Lab Sample ID: SBLK61  
 Sample wt/vol: 1000 (g/mL) ML Lab File ID: GH002771C20  
 Level: (low/med) LOW Date Received: \_\_\_\_\_  
 % Moisture: not dec. \_\_\_\_\_ dec. \_\_\_\_\_ Date Extracted: 11/16/89  
 Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 11/17/89  
 GPC Cleanup: (Y/N) N pH: \_\_\_\_\_ Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/L</u>	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
100-51-6	Benzyl Alcohol	10	U
95-50-1	1,2-Dichlorobenzene	10	U
95-48-7	2-Methylphenol	10	U
39638-32-9	bis(2-Chloroisopropyl) Ether	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
65-85-0	Benzoic Acid	50	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
98-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	50	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	50	U
131-11-3	Dimethyl Phthalate	10	U
208-96-8	Acenaphthylene	10	U
606-20-2	2,6-Dinitrotoluene	10	U

FORM I SV-1

1/87 Rev.

1C  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBLK61

Lab Name: COMPUCHEM LABS Contract: (2-88)-REVS  
 Lab Code: COMPU Case No.: 18410 SAS No.: \_\_\_\_\_ SDG No.: 05  
 Matrix: (soil/water) WATER Lab Sample ID: SBLK61  
 Sample wt/vol: 1000 (g/mL) ML Lab File ID: GH002771C20  
 Level: (low/med) LOW Date Received: \_\_\_\_\_  
 % Moisture: not dec. \_\_\_\_\_ dec. \_\_\_\_\_ Date Extracted: 11/15/89  
 Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 11/17/89  
 GPC Cleanup: (Y/N) N pH: \_\_\_\_\_ Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/L</u>	Q
99-09-2-----	3-Nitroaniline	50	U
83-32-9-----	Acenaphthene	10	U
51-28-5-----	2,4-Dinitrophenol	50	U
100-02-7-----	4-Nitrophenol	50	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	50	U
534-52-1-----	4,6-Dinitro-2-Methylphenol	50	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	50	U
85-01-8-----	Phenanthrene	10	U
120-12-7-----	Anthracene	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	20	U
56-55-3-----	Benzo(a)Anthracene	10	U
218-01-9-----	Chrysene	10	U
117-81-7-----	bis(2-Ethylhexyl)Phthalate	10	U
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-----	Dibenzo(a,h)Anthracene	10	U
191-24-2-----	Benzo(g,h,i)Perylene	10	U

(1) - Cannot be separated from Diphenylamine

FORM I SV-2

1/87 Rev.

1F  
 SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET  
 TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SBLK61

Lab Name: COMPUCHEM LABS Contract: (2-88)-REVS  
 Lab Code: COMPU Case No.: 18410 SAS No.: \_\_\_\_\_ SDG No.: 05  
 Matrix: (soil/water) WATER Lab Sample ID: SBLK61  
 Sample wt/vol: 1000 (g/mL) ML Lab File ID: GH002771C20  
 Level: (low/med) LOW Date Received: \_\_\_\_\_  
 % Moisture: not dec. \_\_\_\_\_ dec. \_\_\_\_\_ Date Extracted: 11/16/89  
 Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 11/17/89  
 GPC Cleanup: (Y/N) N pH: \_\_\_\_\_ Dilution Factor: 1.0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

4B  
SEMIVOLATILE METHOD BLANK SUMMARY

Lab Name: COMPUCHEM LABS Contract: (2-88)-BEVS  
 Lab Code: COMPU Case No.: 18410 SAS No.: \_\_\_\_\_ SDG No.: 05  
 Lab File ID: GJ002713B06 Lab Sample ID: SBLK64  
 Date Extracted: 11/16/89 Extraction: (SepP/Cont/Sonc) SEPF  
 Date Analyzed: 11/16/89 Time Analyzed: 0020  
 Matrix: (soil/water) WATER Level: (low/med) LOW  
 Instrument ID: 06

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
01	738001-05	301937	GH001937B06	11/17/89
02	738001-06	301939	GH001939A06	11/18/89
03	738001-10	301938	GH001938A06	11/18/89
04	738001-13	302174	GH002174B06	11/19/89
05	738001-14	302175	GH002175B06	11/19/89
06	738001-15	302150	GH002150A06	11/18/89
07	738001-16	302154	GH002154A06	11/18/89
08	738001-17	302173	GH002172A06	11/18/89
09	738001-18	302173	GH002173A06	11/19/89
10	738001-21	302168	GH002168A06	11/18/89
11	738001-22	302155	GH002155A06	11/18/89
12	738001-22DL	302155	GDJ02155B06	11/19/89
13	738001-25	302157	GH002157A06	11/18/89
14	738001-26	302166	GH002166A06	11/18/89

COMMENTS: CLP , , , ,LOW,WATER,302733,BNA,BLANK,  
TUNE: 0006 111889 0020

1B  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBLK64

Lab Name: COMPUCHEM LABS Contract: (2-88)-REVS  
 Lab Code: COMPU Case No.: 18410 SAS No.: \_\_\_\_\_ SDG No.: 05  
 Matrix: (soil/water) WATER Lab Sample ID: SBLK64  
 Sample wt/vol: 1000 (g/mL) ML Lab File ID: GJ002733B06  
 Level: (low/med) LOW Date Received: \_\_\_\_\_  
 % Moisture: not dec. \_\_\_\_\_ dec. \_\_\_\_\_ Date Extracted: 11/16/89  
 Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 11/16/89  
 GPC Cleanup: (Y/N) N pH: \_\_\_\_\_ Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/L</u>	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
100-51-6	Benzyl Alcohol	10	U
95-50-1	1,2-Dichlorobenzene	10	U
95-48-7	2-Methylphenol	10	U
39638-32-9	bis(2-Chloroisopropyl) Ether	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
65-85-0	Benzoic Acid	50	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	50	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	50	U
131-11-3	Dimethyl Phthalate	10	U
208-96-8	Acenaphthylene	10	U
606-20-2	2,6-Dinitrotoluene	10	U

FORM I SV-1

1/87 Rev.



1C  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBLK64

Lab Name: COMPUCHEM LABS Contract: (2-88)-REVS  
 Lab Code: COMPU Case No.: 18410 SAS No.: \_\_\_\_\_ SDG No.: 05  
 Matrix: (soil/water) WATER Lab Sample ID: SBLK64  
 Sample wt/vol: 1000 (g/mL) ML Lab File ID: GJ002733B06  
 Level: (low/med) LOW Date Received: \_\_\_\_\_  
 % Moisture: not dec. \_\_\_\_\_ dec. \_\_\_\_\_ Date Extracted: 11/15/89  
 Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 11/15/89  
 GPC Cleanup: (Y/N) N pH: \_\_\_\_\_ Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/L</u>	Q
99-09-2	3-Nitroaniline	50	U
83-32-9	Acenaphthene	10	U
51-28-5	2,4-Dinitrophenol	50	U
100-02-7	4-Nitrophenol	50	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	50	U
534-52-1	4,6-Dinitro-2-Methylphenol	50	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	50	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	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	20	U
56-55-3	Benzo(a)Anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	bis(2-Ethylhexyl)Phthalate	10	U
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	Dibenzo(a,h)Anthracene	10	U
191-24-2	Benzo(g,h,i)Perylene	10	U

(1) - Cannot be separated from Diphenylamine

FORM I SV-2

1/87 Rev.

1F  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SBLK64

Lab Name: COMPUCHEM LABS Contract: (1-88)-REVS  
 Lab Code: COMPU Case No.: 18410 SAS No.: \_\_\_\_\_ SDG No.: 05  
 Matrix: (soil/water) WATER Lab Sample ID: SBLK64  
 Sample wt/vol: 1000 (g/mL) ML Lab File ID: GJ002733B06  
 Level: (low/med) LOW Date Received: \_\_\_\_\_  
 % Moisture: not dec. \_\_\_\_\_ dec. \_\_\_\_\_ Date Extracted: 11/16/89  
 Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 11/18/89  
 GPC Cleanup: (Y/N) N pH: \_\_\_\_\_ Dilution Factor: 1.0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

4B  
SEMIVOLATILE METHOD BLANK SUMMARY

Lab Name: COMPUCHEM LABS Contract: (2-88)-REVS  
 Lab Code: COMPU Case No.: 18410 SAS No.: \_\_\_\_\_ SDG No.: 05  
 Lab File ID: GH002869A15 Lab Sample ID: SBLK65  
 Date Extracted: 11/17/89 Extraction: (SepF/Cont/Sonc) SEPF  
 Date Analyzed: 11/20/89 Time Analyzed: 0913  
 Matrix: (soil/water) WATER Level: (low/med) LOW  
 Instrument ID: 15

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND HSD:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
01	738001-06RE	301939	GR001939A15	11/20/89
02	738001-16RE	302154	GR002154A15	11/20/89
03	738001-21RE	302168	GR002168A15	11/20/89

COMMENTS: CLP , , , , LOW, WATER, 302869, BNA, BLANK,  
TUNE: 0015 112089 0034

1B  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBLK65

Lab Name: COMPUCHEM LABS Contract: (2-88)-REVS  
 Lab Code: COMPU Case No.: 18410 SAS No.: \_\_\_\_\_ SDG No.: 05  
 Matrix: (soil/water) WATER Lab Sample ID: SBLK65  
 Sample wt/vol: 1000 (g/mL) ML Lab File ID: GH002869A15  
 Level: (low/med) LOW Date Received: \_\_\_\_\_  
 % Moisture: not dec. \_\_\_\_\_ dec. \_\_\_\_\_ Date Extracted: 11/17/89  
 Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 11/20/89  
 GPC Cleanup: (Y/N) N pH: \_\_\_\_\_ Dilution Factor: 1.0

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
100-51-6	Benzyl Alcohol	10	U
95-50-1	1,2-Dichlorobenzene	10	U
95-48-7	2-Methylphenol	10	U
39638-32-9	bis(2-Chloroisopropyl) Ether	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
65-85-0	Benzoic Acid	50	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	50	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	50	U
131-11-3	Dimethyl Phthalate	10	U
208-96-8	Acenaphthylene	10	U
606-20-2	2,6-Dinitrotoluene	10	U

FORM I SV-1

1/87 Rev.

1C  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBLK65

Lab Name: COMPUCHEM LABS Contract: (2-88)-REVS  
 Lab Code: COMPU Case No.: 18410 SAS No.: \_\_\_\_\_ SDG No.: 05  
 Matrix: (soil/water) WATER Lab Sample ID: SBLK65  
 Sample wt/vol: 1000 (g/mL) ML Lab File ID: GHO02869A15  
 Level: (low/med) LOW Date Received: \_\_\_\_\_  
 % Moisture: not dec. \_\_\_\_\_ dec. \_\_\_\_\_ Date Extracted: 11/17/89  
 Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 11/20/89  
 GPC Cleanup: (Y/N) N pH: \_\_\_\_\_ Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/L</u>	Q
99-09-2	3-Nitroaniline	50	U
83-32-9	Acenaphthene	10	U
51-28-5	2,4-Dinitrophenol	50	U
100-02-7	4-Nitrophenol	50	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	50	U
534-52-1	4,6-Dinitro-2-Methylphenol	50	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	50	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	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	20	U
56-55-3	Benzo(a)Anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	bis(2-Ethylhexyl)Phthalate	10	U
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	Dibenzo(a,h)Anthracene	10	U
191-24-2	Benzo(g,h,i)Perylene	10	U

(1) - Cannot be separated from Diphenylamine

FORM I SV-2

1/87 Rev.

1F  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SBLK65

Lab Name: COMPUCHEM LABS Contract: (2-88)-REVS  
 Lab Code: COMPU Case No.: 18410 SAS No.: \_\_\_\_\_ SDG No.: 05  
 Matrix: (soil/water) WATER Lab Sample ID: SBLK65  
 Sample wt/vol: 1000 (g/mL) ML Lab File ID: GH002869A15  
 Level: (low/med) LOW Date Received: \_\_\_\_\_  
 % Moisture: not dec. \_\_\_\_\_ dec. \_\_\_\_\_ Date Extracted: 11/17/89  
 Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 11/20/89  
 GPC Cleanup: (Y/N) N pH: \_\_\_\_\_ Dilution Factor: 1.0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
=====	=====	=====	=====	=====

4B  
SEMIVOLATILE METHOD BLANK SUMMARY

Lab Name: COMPUCHEM LABS Contract: (2-88)-REVS  
 Lab Code: COMPU Case No.: 18410 SAS No.: \_\_\_\_\_ SDG No.: 05  
 Lab File ID: GH002908A20 Lab Sample ID: SBLK66  
 Date Extracted: 11/17/89 Extraction: (SepF/Cont/Sonc) SEPF  
 Date Analyzed: 11/20/89 Time Analyzed: 1210  
 Matrix: (soil/water) WATER Level: (low/med) LOW  
 Instrument ID: 20

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
01	738001-24RE	302176	GR002176A20	11/20/89

COMMENTS: CLP , , , ,LOW,WATER,102908,BNA,BLANK,  
TUNE: 0020 112089 0146

1B  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBLK66

Lab Name: COMPUCHEM LABS Contract: (2-88)-REVS  
 Lab Code: COMPU Case No.: 18410 SAS No.: \_\_\_\_\_ SDG No.: 05  
 Matrix: (soil/water) WATER Lab Sample ID: SBLK66  
 Sample wt/vol: 1000 (g/mL) ML Lab File ID: GH002908A20  
 Level: (low/med) LOW Date Received: \_\_\_\_\_  
 % Moisture: not dec. \_\_\_\_\_ dec. \_\_\_\_\_ Date Extracted: 11/17/89  
 Extraction: (SapF/Cont/Sonc) SEPF Date Analyzed: 11/20/89  
 GPC Cleanup: (Y/N) N pH: \_\_\_\_\_ Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/L</u>	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
100-51-6	Benzyl Alcohol	10	U
95-50-1	1,2-Dichlorobenzene	10	U
95-48-7	2-Methylphenol	10	U
39638-32-9	bis(2-Chloroisopropyl) Ether	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
65-85-0	Benzoic Acid	50	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	50	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	50	U
131-11-3	Dimethyl Phthalate	10	U
208-96-8	Acenaphthylene	10	U
606-20-2	2,6-Dinitrotoluene	10	U

FORM I SV-1

1/87 Rev.



1C  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBLK66

Lab Name: COMPUCHEM LABS Contract: (2-88)-REVS  
 Lab Code: COMPU Case No.: 18410 SAS No.: \_\_\_\_\_ SDG No.: 05  
 Matrix: (soil/water) WATER Lab Sample ID: SBLK66  
 Sample wt/vol: 1000 (g/mL) ML Lab File ID: GH002908A20  
 Level: (low/med) LOW Date Received: \_\_\_\_\_  
 % Moisture: not dec. \_\_\_\_\_ dec. \_\_\_\_\_ Date Extracted: 11/17/89  
 Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 11/20/89  
 GPC Cleanup: (Y/N) N pH: \_\_\_\_\_ Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/L</u>	Q
99-09-2	3-Nitroaniline	50	U
83-32-9	Acenaphthene	10	U
51-28-5	2,4-Dinitrophenol	50	U
100-02-7	4-Nitrophenol	50	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	50	U
534-52-1	4,6-Dinitro-2-Methylphenol	50	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	50	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	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	20	U
56-55-3	Benzo(a)Anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	bis(2-Ethylhexyl)Phthalate	10	U
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	Dibenzo(a,h)Anthracene	10	U
191-24-2	Benzo(g,h,i)Perylene	10	U

(1) - Cannot be separated from Diphenylamine

FORM I SV-2

1/87 Rev.

1F  
 SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET  
 TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SBLK66

Lab Name: COMPUCHEM LABS Contract: (2-88)-REVS  
 Lab Code: COMPU Case No.: 18410 SAS No.: \_\_\_\_\_ SDG No.: 05  
 Matrix: (soil/water) WATER Lab Sample ID: SBLK66  
 Sample wt/vol: 1000 (g/mL) ML Lab File ID: GH002908A20  
 Level: (low/med) LOW Date Received: \_\_\_\_\_  
 % Moisture: not dec. \_\_\_\_\_ dec. \_\_\_\_\_ Date Extracted: 11/17/89  
 Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 11/20/89  
 GPC Cleanup: (Y/N) N pH: \_\_\_\_\_ Dilution Factor: 1.0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
-----	-----	-----	-----	-----

4B  
SEMIVOLATILE METHOD BLANK SUMMARY

Lab Name: COMPUCHEM LABS Contract: (2-88)-REVS  
 Lab Code: COMPU Case No.: 18410 SAS No.: \_\_\_\_\_ SDG No.: 05  
 Lab File ID: GJ003590A20 Lab Sample TD: SBLK86  
 Date Extracted: 11/21/89 Extraction: (SepF/Cont/Sonc) SEPE  
 Date Analyzed: 11/22/89 Time Analyzed: 0817  
 Matrix: (soil/water) WATER Level: (low/med) LOW  
 Instrument ID: 20

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
01	738001-18MS	301919	GR001919A20	11/22/89
02	738001-18MSD	301920	GJ001920A20	11/25/89

COMMENTS: CLP , , , , LOW, WATER, 103590, BHA, BLANK,  
 TUNE: 0020 112289 0507

1B  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBLK86

Lab Name: COMPUCHEM LABS Contract: (2-88)-REVS

Lab Code: COMPU Case No.: 18410 SAS No.: \_\_\_\_\_ SDG No.: 05

Matrix: (soil/water) WATER Lab Sample ID: SBLK86

Sample wt/vol: 1000 (g/mL) ML Lab File ID: GJ003590A20

Level: (low/med) LOW Date Received: \_\_\_\_\_

\* Moisture: not dec. \_\_\_\_\_ dec. \_\_\_\_\_ Date Extracted: 11/21/89

Extraction: (SapF/Cont/Sonc) SEPF Date Analyzed: 11/22/89

GPC Cleanup: (Y/N) N pH: \_\_\_\_\_ Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/L</u>	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
100-51-6-----	Benzyl Alcohol	10	U
95-50-1-----	1,2-Dichlorobenzene	10	U
95-48-7-----	2-Methylphenol	10	U
39638-32-9-----	bis(2-Chloroisopropyl)Ether	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
65-85-0-----	Benzoic Acid	50	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	50	U
91-58-7-----	2-Chloronaphthalene	10	U
88-74-4-----	2-Nitroaniline	50	U
131-11-3-----	Dimethyl Phthalate	10	U
208-96-8-----	Acenaphthylene	10	U
606-20-2-----	2,6-Dinitrotoluene	10	U

FORM I SV-1

1/87 Rev.

1C  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBLK86

Lab Name: COMPUCHEM LABS Contract: (2-88)-REVS  
 Lab Code: COMPQ Case No.: 18410 SAS No.: \_\_\_\_\_ SDG No.: 05  
 Matrix: (soil/water) WATER Lab Sample ID: SBLK86  
 Sample wt/vol: 1000 (g/mL) ML Lab File ID: GJ000590A20  
 Level: (low/med) LOW Date Received: \_\_\_\_\_  
 % Moisture: not dec. \_\_\_\_\_ dec. \_\_\_\_\_ Date Extracted: 11/21/89  
 Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 11/22/89  
 GPC Cleanup: (Y/N) N pH: \_\_\_\_\_ Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/L</u>	Q
99-09-2-----	3-Nitroaniline	50	U
83-32-9-----	Acenaphthene	10	U
51-28-5-----	2,4-Dinitrophenol	50	U
100-02-7-----	4-Nitrophenol	50	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	50	U
534-52-1-----	4,6-Dinitro-2-Methylphenol	50	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	50	U
85-01-8-----	Phenanthrene	10	U
120-12-7-----	Anthracene	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	20	U
56-55-3-----	Benzo(a)Anthracene	10	U
218-01-9-----	Chrysene	10	U
117-81-7-----	bis(2-Ethylhexyl)Phthalate	10	U
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-----	Dibenzo(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.

SBLK86

Lab Name: COMPUCHEM LABS Contract: (2-88)-REVS  
 Lab Code: COMPU Case No.: 18410 SAS No.: \_\_\_\_\_ SDG No.: 05  
 Matrix: (soil/water) WATER Lab Sample ID: SBLK86  
 Sample wt/vol: 1000 (g/mL) ML Lab File ID: GJ003590A20  
 Level: (low/med) LOW Date Received: \_\_\_\_\_  
 % Moisture: not dec. \_\_\_\_\_ dec. \_\_\_\_\_ Date Extracted: 11/21/89  
 Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 11/22/89  
 GPC Cleanup: (Y/M) N pH: \_\_\_\_\_ Dilution Factor: 1.0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

4C  
PESTICIDE METHOD BLANK SUMMARY

Lab Name: COMPUCHEM LABORATORIES Contract: (2-88)-REYS  
 Lab Code: COMPU Case No.: 18410 SAS No.: \_\_\_\_\_ SDG No.: 5  
 Lab Sample ID: 301989 Lab File ID: \_\_\_\_\_  
 Matrix:(soil/water) WATER Level:(low/med) LOW  
 Date Extracted: 11/15/89 Extraction: (SepF/Cont/Sonc)SEPF  
 Date Analyzed (1): 11/16/89 Date Analyzed (2): 11/17/89  
 Time Analyzed (1): 0108 Time Analyzed (2): 1336  
 Instrument ID (1): 03 Instrument ID (2): 07  
 GC Column ID (1): OV-101 GC Column ID (2): 2250/2401

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED 1	DATE ANALYZED 2
01	738001-03	301916	11/16/89	
02	738001-06	3D1939	11/16/89	11/17/89
03	738001-12	301909	11/15/89	11/17/89
04	738001-02	301910	11/15/89	
05	738001-01	301917	11/15/89	
06				
07				
08				
09				
10				
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				
21				
22				
23				
24				
25				
26				

COMMENTS: \_\_\_\_\_

1D  
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PBLK03

Lab Name: COMPUCHEM LABORATORIES Contract: (2-88)-REVS  
 Lab Code: COMPU Case No.: 1B410 SAS No.: \_\_\_\_\_ SDG No.: 5  
 Matrix: (soil/water) WATER Lab Sample ID: 301989  
 Sample wt/vol: 1000 (g/mL) ML Lab File ID: \_\_\_\_\_  
 Level: (low/med) LOW Date Received:  / /  
 % Moisture: not dec. \_\_\_\_\_ dec. \_\_\_\_\_ Date Extracted: 11/15/89  
 Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 11/16/89  
 GPC Cleanup: (Y/N) N pH: \_\_\_\_\_ Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/L</u>	<u>Q</u>
319-84-6	alpha-BHC	0.050	U
319-85-7	beta-BHC	0.050	U
319-86-8	delta-BHC	0.050	U
58-89-9	gamma-BHC (Lindane)	0.050	U
76-44-8	Heptachlor	0.050	U
309-00-2	Aldrin	0.050	U
1024-57-3	Heptachlor epoxide	0.050	U
959-98-8	Endosulfan I	0.050	U
60-57-1	Dieldrin	0.10	U
72-55-9	4,4'-DDE	0.10	U
72-20-8	Endrin	0.10	U
33213-65-9	Endosulfan II	0.10	U
72-54-8	4,4'-DDD	0.10	U
1031-07-8	Endosulfan sulfate	0.10	U
50-29-3	4,4'-DDT	0.10	U
72-43-5	Methoxychlor	0.50	U
53494-70-5	Endrin ketone	0.10	U
5103-71-9	alpha-Chlordane	0.50	U
5103-74-2	gamma-Chlordane	0.50	U
8001-35-2	Toxaphene	1.0	U
12674-11-2	Aroclor-1016	0.50	U
11104-28-2	Aroclor-1221	0.50	U
11141-16-5	Aroclor-1232	0.50	U
53469-21-9	Aroclor-1242	0.50	U
12672-29-6	Aroclor-1248	0.50	U
11097-69-1	Aroclor-1254	1.0	U
11096-82-5	Aroclor-1260	1.0	U



4C  
PESTICIDE METHOD BLANK SUMMARY

Lab Name: COMPUCHEM LABORATORIES Contract: (2-88)-REYS  
 Lab Code: COMPU Case No.: 18410 SAS No.: \_\_\_\_\_ SDG No.: 5  
 Lab Sample ID: 302880 Lab File ID: \_\_\_\_\_  
 Matrix:(soil/water) WATER Level:(low/med) LOW  
 Date Extracted: 11/17/89 Extraction: (SepF/Cont/Sonc)SEPF  
 Date Analyzed (1): 11/17/89 Date Analyzed (2): 11/22/89  
 Time Analyzed (1): 1749 Time Analyzed (2): 0810  
 Instrument ID (1): 01 Instrument ID (2): 12  
 GC Column ID (1): 2250/2401 GC Column ID (2): 2250/2401

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED 1	DATE ANALYZED 2
01	738001-15	302150	11/17/89	
02	738001-16	302154	11/17/89	
03	738001-22	302155	11/17/89	
04	738001-25	302157	11/17/89	
05	738001-26	302166	11/17/89	
06	738001-17	302172	11/18/89	
07	738001-18	302173	11/18/89	
08	738001-13	302174	11/18/89	
09	738001-14	302175	11/18/89	
10	738001-21	302168		11/22/89
11	738001-24	302176		11/22/89
12	738001-23	302182		11/22/89
13				
14				
15				
16				
17				
18				
19				
20				
21				
22				
23				
24				
25				
26				

COMMENTS: \_\_\_\_\_

4C  
PESTICIDE METHOD BLANK SUMMARY

Lab Name: COMPUCHEM LABORATORIES Contract: (2-88)-REYS  
 Lab Code: COMPU Case No.: 18410 SAS No.: \_\_\_\_\_ SDG No.: 5  
 Lab Sample ID: 302880 Lab File ID: \_\_\_\_\_  
 Matrix: (soil/water) WATER Level: (low/med) LOW  
 Date Extracted: 11/17/89 Extraction: (SepF/Cont/Sonc) SEPF  
 Date Analyzed (1): 11/28/89 Date Analyzed (2): \_\_\_\_\_  
 Time Analyzed (1): 2122 Time Analyzed (2): \_\_\_\_\_  
 Instrument ID (1): 22 Instrument ID (2): \_\_\_\_\_  
 GC Column ID (1): QV-101 GC Column ID (2): \_\_\_\_\_

TRIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED 1	DATE ANALYZED 2
01	738001-14	302175	11/28/89	
02	738001-24	302176	11/28/89	
03	738001-23	302182	11/29/89	
04				
05				
06				
07				
08				
09				
10				
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				
21				
22				
23				
24				
25				
26				

COMMENTS: \_\_\_\_\_

1D  
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PBLK25

Lab Name: COMPUCHEM LABORATORIES Contract: (2-88)-REVS  
 Lab Code: COMPU Case No.: 18410 SAS No.: \_\_\_\_\_ SDG No.: 5  
 Matrix: (soil/water) WATER Lab Sample ID: 302880  
 Sample wt/vol: 1000 (g/mL) ML Lab File ID: \_\_\_\_\_  
 Level: (low/med) LOW Date Received:  / /  
 % Moisture: not dec. \_\_\_\_\_ dec. \_\_\_\_\_ Date Extracted: 11/17/89  
 Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 11/17/89  
 GPC Cleanup: (Y/N) N pH: \_\_\_\_\_ Dilution Factor: 1.00

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	0.050 U
309-00-2	Aldrin	0.050 U
1024-57-3	Heptachlor epoxide	0.050 U
959-98-8	Endosulfan I	0.050 U
60-57-1	Dieldrin	0.10 U
72-55-9	4,4'-DDE	0.10 U
72-20-8	Endrin	0.10 U
33213-65-9	Endosulfan II	0.10 U
72-54-8	4,4'-DDD	0.10 U
1031-07-8	Endosulfan sulfate	0.10 U
50-29-3	4,4'-DDT	0.10 U
72-43-5	Methoxychlor	0.50 U
53494-70-5	Endrin ketone	0.10 U
5103-71-9	alpha-Chlordane	0.50 U
5103-74-2	gamma-Chlordane	0.50 U
8001-35-2	Toxaphene	1.0 U
12674-11-2	Aroclor-1016	0.50 U
11104-28-2	Aroclor-1221	0.50 U
11141-16-5	Aroclor-1232	0.50 U
53469-21-9	Aroclor-1242	0.50 U
12672-29-6	Aroclor-1248	0.50 U
11097-69-1	Aroclor-1254	1.0 U
11096-82-5	Aroclor-1260	1.0 U

4C  
PESTICIDE METHOD BLANK SUMMARY

Lab Name: COMPUCHEM LABORATORIES Contract: (2-88)-REVS  
 Lab Code: COMPU Case No.: 18410 SAS No.: \_\_\_\_\_ SDG No.: 5  
 Lab Sample ID: 304452 Lab File ID: \_\_\_\_\_  
 Matrix:(soil/water) WATER Level:(low/med) LOW  
 Date Extracted: 11/28/89 Extraction: (SepF/Cont/Sonc)SEPF  
 Date Analyzed (1): 11/28/89 Date Analyzed (2): \_\_\_\_\_  
 Time Analyzed (1): 0920 Time Analyzed (2): \_\_\_\_\_  
 Instrument ID (1): 22 Instrument ID (2): \_\_\_\_\_  
 GC Column ID (1): QV-101 GC Column ID (2): \_\_\_\_\_

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED 1	DATE ANALYZED 2
01	738001-01MS	301926	11/29/89	
02	738001-01MSD	301927	11/29/89	
03				
04				
05				
06				
07				
08				
09				
10				
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				
21				
22				
23				
24				
25				
26				

COMMENTS: \_\_\_\_\_

1D  
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PBLK98

Lab Name: COMPUCHEM LABORATORIES Contract: (2-88)-REVS  
 Lab Code: COMPU Case No.: 18410 SAS No.: \_\_\_\_\_ SDG No.: 5  
 Matrix: (soil/water) WATER Lab Sample ID: 304452  
 Sample wt/vol: 1000 (g/mL) ML Lab File ID: \_\_\_\_\_  
 Level: (low/med) LOW Date Received:  / /  
 % Moisture: not dec. \_\_\_\_\_ dec. \_\_\_\_\_ Date Extracted: 11/28/89  
 Extraction: (SepF/Cont/Sonc) SEPP Date Analyzed: 11/29/89  
 GPC Cleanup: (Y/N) N pH: \_\_\_\_\_ Dilution Factor: 1.00

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

CAS NO.	CONPOUND	Q
319-84-6	alpha-BHC	0.050 U
319-85-7	beta-BHC	0.050 U
319-86-8	delta-BHC	0.050 U
58-89-9	gamma-BHC (Lindane)	0.050 U
76-44-8	Heptachlor	0.050 U
309-00-2	Aldrin	0.050 U
1024-57-3	Heptachlor epoxide	0.050 U
959-98-8	Endosulfan I	0.050 U
60-57-1	Dieldrin	0.10 U
72-55-9	4,4'-DDE	0.10 U
72-20-8	Endrin	0.10 U
33213-65-9	Endosulfan II	0.10 U
72-54-8	4,4'-DDD	0.10 U
1031-07-8	Endosulfan sulfate	0.10 U
50-29-3	4,4'-DDT	0.10 U
72-43-5	Methoxychlor	0.50 U
53494-70-5	Endrin ketone	0.10 U
5103-71-9	alpha-Chlordane	0.50 U
5103-74-2	gamma-Chlordane	0.50 U
8001-35-2	Toxaphene	1.0 U
12674-11-2	Aroclor-1016	0.50 U
11104-28-2	Aroclor-1221	0.50 U
11141-16-5	Aroclor-1232	0.50 U
53469-21-9	Aroclor-1242	0.50 U
12672-29-6	Aroclor-1248	0.50 U
11097-69-1	Aroclor-1254	1.0 U
11096-82-5	Aroclor-1260	1.0 U

4C  
PESTICIDE METHOD BLANK SUMMARY

Lab Name: COMPUCHEM LABORATORIES Contract: (2-88)-REVS  
 Lab Code: COMPV Case No.: 18410 SAS No.: \_\_\_\_\_ SDG No.: 5  
 Lab Sample ID: 303176 Lab File ID: \_\_\_\_\_  
 Matrix:(soil/water) WATER Level:(low/med) LOW  
 Date Extracted: 11/17/89 Extraction: (SepF/Cont/Sonc)SEPF  
 Date Analyzed (1): 11/21/89 Date Analyzed (2): 12/01/89  
 Time Analyzed (1): 2250 Time Analyzed (2): 1442  
 Instrument ID (1): 22 Instrument ID (2): 07  
 GC Column ID (1): OV-101 GC Column ID (2): 2250/2401

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED 1	DATE ANALYZED 2
01	738001-08	301922		11/30/89
02	738001-05	301937	12/01/89	11/30/89
03	738001-10	301938	11/21/89	
04				
05				
06				
07				
08				
09				
10				
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				
21				
22				
23				
24				
25				
26				

COMMENTS: \_\_\_\_\_

1D  
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PBLK19

Lab Name: COMPUCHEM LABORATORIES Contract: (2-88)-REVS  
 Lab Code: COMPU Case No.: 18410 SAS No.: \_\_\_\_\_ SDG No.: 5  
 Matrix: (soil/water) WATER Lab Sample ID: 303176  
 Sample wt/vol: 1000 (g/mL) ML Lab File ID: \_\_\_\_\_  
 Level: (low/med) LOW Date Received:  / /  
 % Moisture: not dec. \_\_\_\_\_ dec. \_\_\_\_\_ Date Extracted: 11/17/89  
 Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 12/01/89  
 GPC Cleanup: (Y/N) N pH: \_\_\_\_\_ Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
319-84-6	alpha-BHC	0.050	U
319-85-7	beta-BHC	0.050	U
319-86-8	delta-BHC	0.050	U
58-89-9	gamma-BHC (Lindane)	0.050	U
76-44-8	Heptachlor	0.050	U
309-00-2	Aldrin	0.050	U
1024-57-3	Heptachlor epoxide	0.050	U
959-98-8	Endosulfan I	0.050	U
60-57-1	Dieldrin	0.10	U
72-55-9	4,4'-DDE	0.10	U
72-20-8	Endrin	0.10	U
33213-65-9	Endosulfan II	0.10	U
72-54-8	4,4'-DDD	0.10	U
1031-07-8	Endosulfan sulfate	0.10	U
50-29-3	4,4'-DDT	0.10	U
72-43-5	Methoxychlor	0.50	U
53494-70-5	Endrin ketone	0.10	U
5103-71-9	alpha-Chlordane	0.50	U
5103-74-2	gamma-Chlordane	0.50	U
8001-35-2	Toxaphene	1.0	U
12674-11-2	Aroclor-1016	0.50	U
11104-28-2	Aroclor-1221	0.50	U
11141-16-5	Aroclor-1232	0.50	U
53469-21-9	Aroclor-1242	0.50	U
12672-29-6	Aroclor-1248	0.50	U
11097-69-1	Aroclor-1254	1.0	U
11096-82-5	Aroclor-1260	1.0	U

6. By fraction (VOA, SV only) - Internal standard area data (Form VIII)



BA  
VOLATILE INTERNAL STANDARD AREA SUMMARY

Lab Name: COMPUCHEM LABS Contract: (2-88)-REVS  
 Lab Code: COMPU Case No.: 18410 SAS No.: \_\_\_\_\_ SDG No.: 05  
 Lab File ID (Standard): CS891115C12 Date Analyzed: 11/15/89  
 Instrument ID: 12 Time Analyzed: 0136  
 Matrix: (soil/water) WATER Level: (low/med) LOW Column: (pack/cap) CAP

	IS1 (BCM) AREA #	RT	IS2 (DFB) AREA #	RT	IS3 (CBZ) AREA #	RT
12 HOUR STD	72900	6.00	292000	7.70	260000	12.44
UPPER LIMIT	145800		584000		520000	
LOWER LIMIT	36450		146000		130000	
EPA SAMPLE NO.						
01 738001-06	71300	5.92	108000	7.65	282000	12.40
02 VBLKLB	75500	5.97	303000	7.68	275000	12.44

IS1 (BCM) = Bromochloromethane  
 IS2 (DFB) = 1,4-Difluorobenzene  
 IS3 (CBZ) = Chlorobenzene

UPPER LIMIT = + 100%  
 of internal standard area.  
 LOWER LIMIT = - 50%  
 of internal standard area.

# Column used to flag internal standard area values with an asterisk

8A  
VOLATILE INTERNAL STANDARD AREA SUMMARY

Lab Name: COMPUCHEM LABS Contract: (2-88)-REVS  
 Lab Code: COMPU Case No.: 18410 SAS No.: \_\_\_\_\_ SDG No.: 05  
 Lab File ID (Standard): CS891115A12 Date Analyzed: 11/15/89  
 Instrument ID: 12 Time Analyzed: 1140  
 Matrix: (soil/water) WATER Level: (low/med) LOW Column: (pack/cap) CAP

	IS1 (BCM) AREA #	RT	IS2 (DFB) AREA #	RT	IS3 (CBZ) AREA #	RT
12 HOUR STD	59900	5.95	242000	7.67	225000	12.44
UPPER LIMIT	119800		484000		450000	
LOWER LIMIT	29950		121000		112500	
EPA SAMPLE NO.						
01 738001-01	68700	5.98	285000	7.70	256000	12.44
02 738001-02	66500	5.95	267000	7.65	244000	12.40
03 738001-03	69000	5.95	287000	7.65	259000	12.40
04 738001-05	70500	5.95	295000	7.67	254000	12.42
05 738001-08	72900	5.95	302000	7.67	270000	12.44
06 738001-10	68600	5.97	288000	7.67	254000	12.42
07 738001-12	72700	5.70	300000	7.40	265000	12.17
08 738001-10MS	77600	5.95	323000	7.68	281000	12.42
09 738001-10MSD	67900	5.95	284000	7.67	252000	12.45
10 VBLKGS	69400	5.90	283000	7.62	261000	12.35

IS1 (BCM) = Bromochloromethane  
 IS2 (DFB) = 1,4-Difluorobenzene  
 IS3 (CBZ) = Chlorobenzene

UPPER LIMIT = + 100%  
 of internal standard area.  
 LOWER LIMIT = - 50%  
 of internal standard area.

\* Column used to flag internal standard area values with an asterisk

8A  
VOLATILE INTERNAL STANDARD AREA SUMMARY

Lab Name: COMPUCHEM LABS Contract: (2-88)-REVS  
 Lab Code: COMPU Case No.: 18410 SAS No.: \_\_\_\_\_ SDG No.: 05  
 Lab File ID (Standard): CS891116C18 Date Analyzed: 11/16/89  
 Instrument ID: 18 Time Analyzed: 0040  
 Matrix:(soil/water) WATER Level:(low/med) LOW Column:(pack/cap) CAP

	IS1 (BCM) AREA #	RT	IS2 (DFB) AREA #	RT	IS3 (CBZ) AREA #	RT
12 HOUR STD	43800	4.72	171000	6.32	157000	10.90
UPPER LIMIT	87600		346000		314000	
LOWER LIMIT	21900		86500		78500	
EPA SAMPLE NO.						
01 738001-15	44400	4.63	164000	6.23	148000	10.84
02 738001-16	39700	4.65	145000	6.25	133000	10.87
03 738001-22	39100	4.62	146000	6.20	135000	10.82
04 738001-22RE	41000	4.58	150000	6.18	135000	10.82
05 738001-25	39800	4.60	140000	6.20	130000	10.82
06 VBLKDG	43700	4.65	160000	6.25	146000	10.85

IS1 (BCM) = Bromochloromethane  
 IS2 (DFB) = 1,4-Difluorobenzene  
 IS3 (CBZ) = Chlorobenzene

UPPER LIMIT = + 100%  
 of internal standard area.  
 LOWER LIMIT = - 50%  
 of internal standard area.

# Column used to flag internal standard area values with an asterisk

BA  
VOLATILE INTERNAL STANDARD AREA SUMMARY

Lab Name: COMPUCHEM LABS Contract: (2-88)-REVS  
 Lab Code: COMPU Case No.: 18410 SAS No.: \_\_\_\_\_ SDG No.: 05  
 Lab File ID (Standard): CS891116A18 Date Analyzed: 11/16/89  
 Instrument ID: 18 Time Analyzed: 1414  
 Matrix: (soil/water) WATER Level: (low/med) LOW Column: (pack/cap) CAP

	IS1 (BCM) AREA #	RT	IS2 (DFB) AREA #	RT	IS3 (CBZ) AREA #	RT
12 HOUR STD	39100	4.65	156000	6.25	140000	10.85
UPPER LIMIT	78200		312000		280000	
LOWER LIMIT	19550		78000		70000	
EPA SAMPLE NO.						
01 738001-13	42700	4.65	165000	6.25	147000	10.85
02 738001-14	39400	4.62	154000	6.22	140000	10.84
03 738001-17	40900	4.63	148000	6.23	137000	10.84
04 738001-18	41400	4.65	148000	6.25	141000	10.85
05 738001-21	41900	4.60	156000	6.22	141000	10.84
06 738001-23	43100	4.63	160000	6.25	147000	10.85
07 738001-24	42200	4.62	155000	6.22	147000	10.84
08 738001-26	45600	4.65	164000	6.25	152000	10.85
09 VBLKNP	41100	4.60	150000	6.23	139000	10.85

IS1 (BCM) = Bromochloromethane  
 IS2 (DFB) = 1,4-Difluorobenzene  
 IS3 (CBZ) = Chlorobenzene

UPPER LIMIT = + 100%  
 of internal standard area.  
 LOWER LIMIT = - 50%  
 of internal standard area.

# Column used to flag internal standard area values with an asterisk

88  
SEMIVOLATILE INTERNAL STANDARD AREA SUMMARY

Lab Name: COMPUCHEM LABS Contract: (2-88)-REVS  
 Lab Code: COMPU Case No.: 18410 SAS No.: \_\_\_\_\_ SDG No.: 05  
 Lab File ID (Standard): HG891117B06 Date Analyzed: 11/17/89  
 Instrument ID: 06 Time Analyzed: 1952

	IS1 (DCB) AREA #	RT	IS2 (NPT) AREA #	RT	IS3 (ANT) AREA #	RT
12 HOUR STD	211000	7.30	716000	9.00	348000	11.45
UPPER LIMIT	422000		1432000		696000	
LOWER LIMIT	105500		358000		174000	
EPA SAMPLE NO.						
01 738001-05	280000	7.23	832000	8.94	413000	11.39
02 SBLK64	283000	7.20	826000	8.90	417000	11.34

IS1 (DCB) = 1,4-Dichlorobenzene-d4      UPPER LIMIT = + 100%  
 IS2 (NPT) = Naphthalene-d8              of internal standard area.  
 IS3 (ANT) = Acenaphthene-d10          LOWER LIMIT = - 50%  
    of internal standard area.

# Column used to flag internal standard area values with an asterisk

## SEMIVOLATILE INTERNAL STANDARD AREA SUMMARY

Lab Name: COMPUCHEM LABS Contract: (2-88)-REVS  
 Lab Code: COMPU Case No.: 18410 SAS No.: \_\_\_\_\_ SDG No.: 05  
 Lab File ID (Standard): HG891117B05 Date Analyzed: 11/17/89  
 Instrument ID: 06 Time Analyzed: 1952

	IS4 (PHN) AREA #	RT	IS5 (CRY) AREA #	RT	IS6 (PRY) AREA #	RT
12 HOUR STD	449000	13.50	466000	17.32	400000	20.40
UPPER LIMIT	898000		932000		800000	
LOWER LIMIT	224500		233000		200000	
EPA SAMPLE NO.						
01 738001-05	499000	13.42	328000	17.22	314000	20.20
02 SBLK64	525000	13.37	381000	17.14	318000	20.10

IS4 (PHN) = Phenanthrene-d10  
 IS5 (CRY) = Chrysene-d12  
 IS6 (PRY) = Perylene-d12

UPPER LIMIT = + 100%  
 of internal standard area.  
 LOWER LIMIT = - 50%  
 of internal standard area.

† Column used to flag internal standard area values with an asterisk

8B  
SEMIVOLATILE INTERNAL STANDARD AREA SUMMARY

Lab Name: COMPUCHEM LABS Contract: (2-88)-REVS  
 Lab Code: COMPU Case No.: 18410 SAS No.: \_\_\_\_\_ SDG No.: 05  
 Lab File ID (Standard): HK891119A06 Date Analyzed: 11/18/89  
 Instrument ID: 06 Time Analyzed: 1026

	IS1 (DCB) AREA #	RT	IS2 (NPT) AREA #	RT	IS3 (ANT) AREA #	RT
12 HOUR STD	168000	7.20	577000	8.90	296000	11.34
UPPER LIMIT	336000		1154000		592000	
LOWER LIMIT	84000		288500		148000	
EPA SAMPLE NO.						
01 738001-06	151000	7.23	485000	8.94	251000	11.39
02 738001-10	178000	7.22	553000	8.92	293000	11.37
03 738001-15	165000	7.23	508000	8.94	273000	11.39
04 738001-16	168000	7.20	547000	8.90	283000	11.32
05 738001-17	185000	7.20	577000	8.89	290000	11.32
06 738001-21	167000	7.22	565000	8.92	278000	11.35
07 738001-22	183000	7.25	617000	8.95	304000	11.39
08 738001-25	172000	7.20	548000	8.90	275000	11.34
09 738001-26	147000	7.25	453000	8.95	240000	11.39

IS1 (DCB) = 1,4-Dichlorobenzene-d4  
 IS2 (NPT) = Naphthalene-d8  
 IS3 (ANT) = Acenaphthene-d10

UPPER LIMIT = + 100%  
 of internal standard area.  
 LOWER LIMIT = - 50%  
 of internal standard area.

# Column used to flag internal standard area values with an asterisk

8C  
SEMIVOLATILE INTERNAL STANDARD AREA SUMMARY

Lab Name: COMPUCHEM LABS Contract: (2-88)-REVS  
 Lab Code: COMPU Case No.: 18410 SAS No.: \_\_\_\_\_ SDG No.: 05  
 Lab File ID (Standard): HKB91118A06 Date Analyzed: 11/18/89  
 Instrument ID: 06 Time Analyzed: 1026

	IS4 (PHN) AREA #	RT	IS5 (CRY) AREA #	RT	IS6 (PRY) AREA #	RT
12 HOUR STD	375000	13.37	288000	17.14	255000	20.07
UPPER LIMIT	750000		576000		510000	
LOWER LIMIT	187500		144000		127500	
EPA SAMPLE NO.						
01 738001-06	307000	13.44	245000	17.20	221000	20.15
02 738001-10	361000	13.40	312000	17.19	268000	20.15
03 738001-15	328000	13.42	259000	17.17	236000	20.12
04 738001-16	382000	13.35	359000	17.10	315000	20.00
05 738001-17	351000	13.37	263000	17.12	234000	20.04
06 738001-21	368000	13.40	288000	17.17	238000	20.10
07 738001-22	417000	13.44	311000	17.20	266000	20.17
08 738001-25	348000	13.39	260000	17.14	237000	20.09
09 738001-26	304000	13.42	230000	17.19	207000	20.14

IS4 (PHN) = Phenanthrene-d10  
 IS5 (CRY) = Chrysene-d12  
 IS6 (PRY) = Perylene-d12

UPPER LIMIT = + 100%  
 of internal standard area.  
 LOWER LIMIT = - 50%  
 of internal standard area.

# Column used to flag internal standard area values with an asterisk



88  
SEMIVOLATILE INTERNAL STANDARD AREA SUMMARY

Lab Name: COMPUCHEM LABS Contract: (2-88)-REVS  
 Lab Code: COMPU Case No.: 18410 SAS No.: \_\_\_\_\_ SDG No.: 05  
 Lab File ID (Standard): HH891119A06 Date Analyzed: 11/19/89  
 Instrument ID: 06 Time Analyzed: 1210

	IS1 (DCB) AREA #	RT	IS2 (NPT) AREA #	RT	IS3 (ANT) AREA #	RT
12 HOUR STD	150000	7.02	501000	8.72	254000	11.17
UPPER LIMIT	300000		1002000		508000	
LOWER LIMIT	75000		250500		127000	
EPA SAMPLE NO.						
01 738001-13	186000	6.98	565000	8.69	274000	11.12
02 738001-14	170000	6.98	533000	8.69	270000	11.12
03 738001-18	238000	7.02	757000	8.72	356000	11.19
04 738001-22DL	162000	7.00	530000	8.70	270000	11.15

IS1 (DCB) = 1,4-Dichlorobenzene-d4      UPPER LIMIT = + 100%  
 IS2 (NPT) = Naphthalene-d8              of internal standard area.  
 IS3 (ANT) = Acenaphthene-d10          LOWER LIMIT = - 50%  
    of internal standard area.

# Column used to flag internal standard area values with an asterisk

8C  
SEMIVOLATILE INTERNAL STANDARD AREA SUMMARY

Lab Name: COMPUCHEM LABS Contract: (2-88)-REVS  
 Lab Code: COMPU Case No.: 18410 SAS No.: \_\_\_\_\_ SDG No.: 05  
 Lab File ID (Standard): HH891119A06 Date Analyzed: 11/19/89  
 Instrument ID: 06 Time Analyzed: 1230

	IS4 (PHN) AREA #	RT	IS5 (CRY) AREA #	RT	IS6 (PRY) AREA #	RT
12 HOUR STD	326000	13.24	254000	17.00	207000	19.84
UPPER LIMIT	652000		508000		414000	
LOWER LIMIT	163000		127000		103500	
EPA SAMPLE NO.						
01 738001-13	302000	13.17	232000	16.94	175000	19.69
02 738001-14	318000	13.19	195000	16.94	154000	19.72
03 738001-18	421000	13.25	256000	17.04	205000	19.89
04 738001-22DL	358000	13.20	196000	16.97	158000	19.75

IS4 (PHN) = Phenanthrene-d10  
 IS5 (CRY) = Chrysene-d12  
 IS6 (PRY) = Perylene-d12

UPPER LIMIT = + 100%  
 of internal standard area.  
 LOWER LIMIT = - 50%  
 of internal standard area.

# Column used to flag internal standard area values with an asterisk

8B  
SEMIVOLATILE INTERNAL STANDARD AREA SUMMARY

Lab Name: COMPUCHEM LABS Contract: (2-88)-REVS  
 Lab Code: COMPU Case No.: 18410 SAS No.: \_\_\_\_\_ SDG No.: 05  
 Lab File ID (Standard): HG891120C15 Date Analyzed: 11/20/89  
 Instrument ID: 15 Time Analyzed: 0104

	IS1(DCB) AREA #	RT	IS2(NPT) AREA #	RT	IS3(ANT) AREA #	RT
=====	=====	=====	=====	=====	=====	=====
12 HOUR STD	132000	7.60	451000	9.45	248000	12.15
=====	=====	=====	=====	=====	=====	=====
UPPER LIMIT	264000		902000		496000	
=====	=====	=====	=====	=====	=====	=====
LOWER LIMIT	66000		225500		124000	
=====	=====	=====	=====	=====	=====	=====
EPA SAMPLE NO.						
=====	=====	=====	=====	=====	=====	=====
01 738001-06RE	160000	7.55	513000	9.45	271000	12.15
02 738001-16RE	181000	7.65	597000	9.52	307000	12.20
03 738001-21RE	147000	7.58	527000	9.45	270000	12.15
04 SBLK65	187000	7.58	630000	9.47	306000	12.17

IS1 (DCB) = 1,4-Dichlorobenzene-d4      UPPER LIMIT = + 100%  
 IS2 (NPT) = Naphthalene-d8              of internal standard area.  
 IS3 (ANT) = Acenaphthene-d10          LOWER LIMIT = - 50%  
    of internal standard area.

# Column used to flag internal standard area values with an asterisk

8C  
SEMIVOLATILE INTERNAL STANDARD AREA SUMMARY

Lab Name: COMPUCHEM LABS Contract: (2-88)-REVS  
 Lab Code: COMPU Case No.: 18410 SAS No.: \_\_\_\_\_ SDG No.: 05  
 Lab File ID (Standard): HGB91120C15 Date Analyzed: 11/20/89  
 Instrument ID: 15 Time Analyzed: 0104

	IS4 (PHN) AREA #	RT	IS5 (CRY) AREA #	RT	IS6 (PRY) AREA #	RT
12 HOUR STD	348000	14.40	277000	18.57	225000	22.30
UPPER LIMIT	696000		554000		450000	
LOWER LIMIT	174000		138500		112500	
EPA SAMPLE NO.						
01 738001-06RE	352000	14.40	244000	18.64	201000	22.44
02 738001-16RE	377000	14.47	284000	18.70	233000	22.52
03 738001-21RE	358000	14.40	241000	18.62	201000	22.40
04 SBLK65	376000	14.44	266000	18.67	197000	22.47

IS4 (PHN) = Phenanthrene-d10  
 IS5 (CRY) = Chrysene-d12  
 IS6 (PRY) = Perylene-d12

UPPER LIMIT = + 100%  
 of internal standard area.  
 LOWER LIMIT = - 50%  
 of internal standard area.

# Column used to flag internal standard area values with an asterisk

8B  
SEMIVOLATILE INTERNAL STANDARD AREA SUMMARY

Lab Name: COMPUCHEM LABS Contract: (2-88)-REVS  
 Lab Code: COMPU Case No.: 18410 SAS No.: \_\_\_\_\_ SDG No.: 05  
 Lab File ID (Standard): HG891117C20 Date Analyzed: 11/17/89  
 Instrument ID: 20 Time Analyzed: 0145

	IS1(DCB) AREA #	RT	IS2(NPT) AREA #	RT	IS3(ANT) AREA #	RT
12 HOUR STD	162000	6.30	509000	8.10	250000	10.67
UPPER LIMIT	324000		1018000		500000	
LOWER LIMIT	81000		254500		125000	
EPA SAMPLE NO.						
01 738001-23	182000	6.40	564000	8.17	245000	10.74
02 738001-24	165000	6.40	491000	8.17	213000	10.74
03 SBLK61	150000	6.40	443000	8.17	186000	10.74

IS1 (DCB) = 1,4-Dichlorobenzene-d4  
 IS2 (NPT) = Naphthalene-d8  
 IS3 (ANT) = Acenaphthene-d10

UPPER LIMIT = + 100%  
 of internal standard area.  
 LOWER LIMIT = - 50%  
 of internal standard area.

# Column used to flag internal standard area values with an asterisk

8C  
SEMIVOLATILE INTERNAL STANDARD AREA SUMMARY

Lab Name: COMPUCHEM LABS Contract: (2-88)-REVS  
 Lab Code: COMPU Case No.: 18410 SAS No.: \_\_\_\_\_ SDG No.: 05  
 Lab File ID (Standard): HGB91117C20 Date Analyzed: 11/17/89  
 Instrument ID: 20 Time Analyzed: 0145

	IS4 (PHN) AREA #	RT	IS5 (CRY) AREA #	RT	IS6 (PRY) AREA #	RT
12 HOUR STD	308000	12.82	232000	16.69	196000	18.82
UPPER LIMIT	616000		464000		392000	
LOWER LIMIT	154000		116000		98000	
EPA SAMPLE NO.						
01 738001-23	308000	12.89	182000	16.74	153000	18.90
02 738001-24	250000	12.87	161000	16.74	143000	18.89
03 SBLK61	214000	12.87	147000	16.74	126000	18.89

IS4 (PHN) = Phenanthrene-d10  
 IS5 (CRY) = Chrysene-d12  
 IS6 (PRY) = Perylene-d12

UPPER LIMIT = + 100%  
 of internal standard area.  
 LOWER LIMIT = - 50%  
 of internal standard area.

# Column used to flag internal standard area values with an asterisk

BB  
SEMIVOLATILE INTERNAL STANDARD AREA SUMMARY

Lab Name: COMPUCHEM LABS Contract: (2-88)-REVS  
 Lab Code: COMPU Case No.: 18410 SAS No.: \_\_\_\_\_ SDG No.: 05  
 Lab File ID (Standard): HG891120C20 Date Analyzed: 11/20/89  
 Instrument ID: 20 Time Analyzed: 0207

	IS1 (DCB) AREA #	RT	IS2 (NPT) AREA #	RT	IS3 (ANT) AREA #	RT
12 HOUR STD	200000	6.32	689000	8.30	150000	11.17
UPPER LIMIT	400000		1378000		700000	
LOWER LIMIT	100000		344500		175000	
EPA SAMPLE NO.						
01 738001-24RE	269000	6.45	921000	8.42	419000	11.27
02 SBLK66	344000	6.43	1080000	8.40	498000	11.27

IS1 (DCB) = 1,4-Dichlorobenzene-d4      UPPER LIMIT = + 100%  
 IS2 (NPT) = Naphthalene-d8              of internal standard area.  
 IS3 (ANT) = Acenaphthene-d10          LOWER LIMIT = - 50%  
    of internal standard area.

# Column used to flag internal standard area values with an asterisk

8C  
SEMIVOLATILE INTERNAL STANDARD AREA SUMMARY

Lab Name: COMPUCHEM LABS Contract: (2-88)-REVS  
 Lab Code: COMPU Case No.: 18410 SAS No.: \_\_\_\_\_ SDG No.: 05  
 Lab File ID (Standard): HG891120C20 Date Analyzed: 11/20/89  
 Instrument ID: 20 Time Analyzed: 0207

	IS4 (PHN) AREA #	RT	IS5 (CRY) AREA #	RT	IS6 (PRY) AREA #	RT
12 HOUR STD	458000	13.57	349000	17.89	285000	20.09
UPPER LIMIT	916000		698000		570000	
LOWER LIMIT	229000		174500		142500	
EPA SAMPLE NO.						
01 738001-24RE	523000	13.67	295000	17.99	250000	20.14
02 SBLK66	643000	13.65	340000	17.97	271000	20.12

IS4 (PHN) = Phenanthrene-d10  
 IS5 (CRY) = Chrysene-d12  
 IS6 (PRY) = Perylene-d12

UPPER LIMIT = + 100%  
 of internal standard area.  
 LOWER LIMIT = - 50%  
 of internal standard area.

# Column used to flag internal standard area values with an asterisk



8B  
SEMIVOLATILE INTERNAL STANDARD AREA SUMMARY

Lab Name: COMPUCHEM LABS Contract: (2-88)-REVS  
Lab Code: COMPU Case No.: 18410 SAS No.: \_\_\_\_\_ SDG No.: 05  
Lab File ID (Standard): HGB91122C20 Date Analyzed: 11/22/89  
Instrument ID: 20 Time Analyzed: 0525

	IS1 (DCB) AREA #	RT	IS2 (NPT) AREA #	RT	IS3 (ANT) AREA #	RT
12 HOUR STD	131000	6.05	441000	8.02	230000	10.85
UPPER LIMIT	262000		882000		460000	
LOWER LIMIT	65500		220500		115000	
EPA SAMPLE NO.						
01 738001-18MS	138000	6.03	465000	8.00	232000	10.84
02 SBLK86	197000	6.10	654000	8.07	331000	10.90

IS1 (DCB) = 1,4-Dichlorobenzene-d4      UPPER LIMIT = + 100%  
IS2 (NPT) = Naphthalene-d8              of internal standard area.  
IS3 (ANT) = Acenaphthene-d10           LOWER LIMIT = - 50%  
   cf internal standard area.

# Column used to flag internal standard area values with an asterisk

8C  
SEMIVOLATILE INTERNAL STANDARD AREA SUMMARY

Lab Name: COMPUCHEM LABS Contract: (2-88)-REVS  
 Lab Code: COMPU Case No.: 18410 SAS No.: \_\_\_\_\_ SDG No.: 05  
 Lab File ID (Standard): HGB91122C20 Date Analyzed: 11/22/89  
 Instrument ID: 20 Time Analyzed: 0525

	IS4 (PHN) AREA #	RT	IS5 (CRY) AREA #	RT	IS6 (PRY) AREA #	RT
12 HOUR STD	304000	13.22	227000	17.54	205000	19.67
UPPER LIMIT	608000		454000		410000	
LOWER LIMIT	152000		113500		102500	
EPA SAMPLE NO.						
01 738001-18MS	294000	13.20	205000	17.50	151000	19.65
02 SBLK86	427000	13.27	241000	17.55	201000	19.70

IS4 (PHN) = Phenanthrene-d10  
 IS5 (CRY) = Chrysene-d12  
 IS6 (PRY) = Perylene-d12

UPPER LIMIT = + 100%  
 of internal standard area.  
 LOWER LIMIT = - 50%  
 of internal standard area.

# Column used to flag internal standard area values with an asterisk

8B  
SEMIVOLATILE INTERNAL STANDARD AREA SUMMARY

Lab Name: COMPUCHEM LABS Contract: (2-88)-REVS  
 Lab Code: COMFU Case No.: 18410 SAS No.: \_\_\_\_\_ SDG No.: 05  
 Lab File ID (Standard): HH891125A20 Date Analyzed: 11/25/89  
 Instrument ID: 20 Time Analyzed: 1033

	IS1 (DCB) AREA #	RT	IS2 (NPT) AREA #	RT	IS3 (ANT) AREA #	RT
12 HOUR STD	199000	5.92	677000	7.88	165000	10.70
UPPER LIMIT	398000		1354000		730000	
LOWER LIMIT	99500		338500		182500	
EPA SAMPLE NO.						
01 738001-18MSD	237000	5.95	774000	7.90	172000	10.75

IS1 (DCB) = 1,4-Dichlorobenzene-d4  
 IS2 (NPT) = Naphthalene-d8  
 IS3 (ANT) = Acenaphthene-d10

UPPER LIMIT = + 100%  
 of internal standard area.  
 LOWER LIMIT = - 50%  
 of internal standard area.

# Column used to flag internal standard area values with an asteriak

8C  
SEMIVOLATILE INTERNAL STANDARD AREA SUMMARY

Lab Name: COMPUCHEM LABS Contract: (2-B8)-REVS  
 Lab Code: COMPU Case No.: 18410 SAS No.: \_\_\_\_\_ SDG No.: 05  
 Lab File ID (Standard): HH891125A20 Date Analyzed: 11/25/89  
 Instrument ID: 20 Time Analyzed: 1033

	IS4 (PHN) AREA #	RT	IS5 (CRY) AREA #	RT	IS6 (PRY) AREA #	RT
12 HOUR STD	454000	13.09	262000	17.40	172000	19.57
UPPER LIMIT	908000		524000		344000	
LOWER LIMIT	227000		131000		86000	
EPA SAMPLE NO.						
01 738001-18MSD	486000	13.14	290000	17.44	215000	19.60

IS4 (PHN) = Phenanthrene-d10  
 IS5 (CRY) = Chrysene-d12  
 IS6 (PRY) = Perylene-d12

UPPER LIMIT = + 100%  
 of internal standard area.  
 LOWER LIMIT = - 50%  
 of internal standard area.

# Column used to flag internal standard area values with an asterisk