

40-8948

WJA

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION V

DATE: 6/22/93

SUBJECT: Review of Region V CLP Data
Received for Review on May 27, 1993

FROM: Charles T. Elly, Director (SL-10C) Patrick J. Chumla
Central Regional Laboratory for C.T. Elly

TO: Data User: PRC

We have reviewed the data for the following case.

SITE NAME: Shielding metal (OH)

CASE and/or SAS NUMBER: 19840 SDG NUMBER: ETD01

Number and Type of Samples: 20 - water/soils

CLP Sample Numbers: ETD01-12, 17-24

CLP Laboratory: Data Chem Hrs. for Review 24

Following are our findings:

THE DATA ARE ACCEPTABLE FOR USE.

Patrick J. Chumla
6/22/93

- Data are acceptable for use.
- Data are acceptable for use with qualification.
- Data are preliminary, pending verification by laboratory.
- Data are unacceptable.

cc: Edward Kantor, EMSL-Las Vegas
Julie Frankel, VIAR & Co. (SMO)

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PDR ADDCK 04008948
B PDR

NK100/1

NARRATIVE

CONTRACTOR: DATACHEM
CASE: 19810
SDG: EDT01

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SITE NAME: SHIELDALLOY
STEEL

Below is a summary of the out-of-control audits and the possible effect on the data for this case:

The Organic Traffic Report shows that the twelve soil and eight water samples (numbered ETD01 to ETD12 and ETD17 to ETD24, respectively) of this SDG were collected between April 20 and 21, 1993. The laboratory received the samples in good condition between April 21 and 22, 1993. All samples of the SDG were submitted for analysis for volatile (VOA) target compounds, semivolatile (SVOA) target compounds, and pesticide (PEST) target compounds with the exception of ETD24 which was submitted for VOA analysis only.

VOA samples were analyzed within the maximum 14-day holding time criteria.

SVOA samples were extracted within the mandated maximum 14-day holding time and were analyzed within the mandated 40 days from sample extraction.

Soil PEST samples were extracted within the mandated maximum 14-day holding time and analyzed within the mandated 40 days from sample extraction.

This reviewer's comments are included in the following pages of this narrative.

Reviewed by: Steven Schroedl, Lockheed, ESAT
Date: June 17, 1993

NARRATIVE

CONTRACTOR: DATACHEM
CASE: 19810
SDG: EDT01

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SITE NAME: SHIELDALLOY
STEEL

Below is a summary of the out-of-control audits and the possible effect on the data for this case.

✓
1. HOLDING TIMES:

The Organic Traffic Report shows that the twelve soil and eight water samples (numbered ETD01 to ETD12 and ETD17 to ETD24, respectively) of this SDG were collected between April 20 and 21, 1993. The laboratory received the samples in good condition between April 21 and 22, 1993. All samples of the SDG were submitted for analysis for volatile (VOA) target compounds, semivolatile (SVOA) target compounds, and pesticide (PEST) target compounds with the exception of ETD24 which was submitted for VOA analysis only.

VOA samples were analyzed within the maximum 14-day holding time criteria.

SVOA samples were extracted within the mandated maximum 14-day holding time and were analyzed within the mandated 40 days from sample extraction.

Soil PEST samples were extracted within the mandated maximum 14-day holding time and analyzed within the mandated 40 days from sample extraction.

✓
2. GC/MS TUNING AND GC PERFORMANCE:

All BFB (VOA) tune checks met the required mass list and ion abundance criteria.

All DFTPP (SVOA) tune checks met the required mass list and ion abundance criteria.

PEST resolution check mixtures and performance evaluation mixtures were conducted at the appropriate frequency and met the requirements for resolution, percent relative standard deviation, retention times, and percent breakdown.

3. CALIBRATION:

The initial and continuing calibrations of analyses standards were evaluated for their Target Compound List compounds (TCLs),

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NARRATIVE

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and the outliers are recorded on the outlier forms included as part of this narrative. All positive results and quantitation limits based on any outlier are flagged as estimated (J).

✓ VOA: The analyses of VOA soil samples required two initial calibrations conducted on March 29 and April 27, 1993. The March 29 initial calibration was free of compounds with relative percent standard deviations (%RSDs) out of QC limits and the associated continuing calibration conducted on April 30, 1993 was free of compounds with percent differences (%Ds) out of QC limits. The April 27 initial calibration contained three compounds with %RSDs out of QC limits and the associated continuing calibrations conducted on April 28, 29, and May 1, 1993 contained one, three, and two compounds, respectively, with %Ds out of QC limits.

✓ SVOA: The analyses of SVOA samples utilized two initial calibrations conducted on April 27 and May 13, 1993. The April 27 initial calibration contained four compounds with %RSDs out of QC limits and the associated continuing calibrations conducted on April 30 and May 3, 1993 contained six and two compounds, respectively, with %Ds out of QC limits. The May 13 initial calibration contained two compounds with %RSDs out of QC limits and the associated continuing calibrations conducted on May 17 and 18, 1993 contained eleven and ten compounds, respectively, with %Ds out of QC limits.

✓ PEST: The analyses of PEST soil samples utilized one initial calibration conducted on May 13, 1993 and one continuing calibration conducted on May 19, 1993. The initial calibration was free of compounds with %RSDs out of QC limits and the associated continuing calibration was free of compounds with relative percent differences (%RPDs) out of QC limits. The multi-component target compounds (the 7 Aroclors and Toxaphene) were analyzed at the proper frequency and concentration, were calibrated using three peaks, and their retention time windows and calibration factors were calculated correctly.

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Date: June 17, 1993

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CASE: 19810
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4. METHOD BLANK:

Blanks for each analyses were analyzed for target-compound list compounds (TCLs) and tentatively identified compounds (TICs).

✓ VOA: Four VOA blanks, VBLK01, VBLK02, VBLK03, and VBLK04 were analyzed for TCLs and TICs. Blanks VBLK01, VBLK02, and VBLK04 contained methylene chloride and acetone at concentrations below the contract required quantitation limit (CRQL) while blank VBLK03 contained only methylene chloride below the CRQL. All four blanks were free of TICs. Blank concentrations of the common laboratory TCL contaminants of methylene chloride and acetone found in the associated samples were flagged as non-detected (U) when results were less than 10 times the blank concentration.

✓ SVOA: Two SVOA blanks, SBLK01 and SBLK02, were analyzed for TCLs and TICs. Both blanks were found to be free of TCLs and contain one TIC. Concentrations of the TICs found in the associated samples were flagged as non-detected (U) when the results were less than 5 times the blank concentration.

✓ PEST: Two PEST method blanks, PBLK2S and PBLKW1, were analyzed for TCLs. Blank PBLKW1 was found to be free of TCLs while PBLKW1 was found to contain 5 TCLs. Concentrations of the TCLs found in the samples associated with PBLKW1 were flagged as non-detected (U) when the results were less than 5 times the blank concentration.

5. SURROGATE RECOVERIES:

✓ VOA: Surrogate recoveries for all samples were within QC limits.

✓ SVOA: Surrogate recoveries for all samples were within QC limits.

PEST: All PEST sample surrogate recoveries were within QC limits with the exceptions noted in the following table:

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Surrogate	Tetrachloro-m-xylene		Decachlorobiphenyl	
	DB-608	DB1701	DB 608	DB-1701
<u>Sample</u>				
ETD18	Lo ¹			
ETD19	Lo ¹	Lo ¹		Lo ¹
ETD20			Lo ¹	Lo ¹
ETD21			Lo ¹	Lo ¹
ETD21MSD			Lo ¹	
ETD22	Lo ¹		Lo ¹	Lo ¹
ETD23			Lo ¹	Lo ¹
PBLKW1	Lo ¹		Lo ¹	

¹ Indicates surrogate recovery is below the QC limit.

These low surrogate recoveries may indicate a low bias and as a result, the detected compounds in these samples are to be qualified as estimated (J) and non-detected compounds qualified estimated (UJ).

6. MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERIES:

VOA: Samples EDT07 and EDT21 were used for the matrix spike and matrix spike duplicates (MS/MSD). All compound percent recoveries (%recovery) were within QC limits and all relative percent differences (%RPDs) were within QC limits.

SVOA: Samples EDT12 and EDT21 were used for the MS/MSDs. Both MS/MSDs were found to have %recoveries and %RDSS within QC limits for all compounds with the exception of compound 4-nitrophenol in EDT21MSD which had a high %recovery. Since 4-nitrophenol was not present in the unspiked sample, no qualification is required on the basis of the %recovery.

PEST: Samples EDT07 and EDT21 were used for the MS/MSDs. All %recovery were within QC limits and all %RPDs were within QC limits.

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CASE: 19810
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SITE NAME: SHIELDALLOY
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✓ 7. FIELD BLANK AND FIELD DUPLICATE SAMPLES:

No field blank or field duplicates were designated with this SDG for either VOA, SVOA, or PEST analyses.

✓ 8. INTERNAL STANDARDS:

VOA: All samples had internal standard retention times and area counts within the QC limits.

SVOA: All SVOA internal standard areas and retention times were within QC limits.

✓ 9. COMPOUND IDENTIFICATION:

VOA: TCLs and TICs were properly identified.

SVOA: TCLs and TICs were properly identified.

PEST: TCLs were properly identified.

✓ 10. COMPOUND QUANTITATION AND REPORTED DETECTION LIMITS:

VOA: All target compounds were properly quantitated.

SVOA: All target compounds were properly quantitated.

PEST: All target compounds were properly quantitated.

11. SYSTEM PERFORMANCE:

VOA: Blanks containing acetone and methylene chloride indicate possible laboratory contamination. GC baselines and BFB tune check indicate acceptable system performance.

SVOA: GC baselines, surrogate compounds, and internal standards indicate acceptable system performance.

PEST: Surrogate recoveries indicate potential low bias difficulties which influenced system performance.

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Date: June 17, 1993

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CASE: 19810
SDG: EDT01

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SITE NAME: SHIELDALLOY
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12. OVERALL CASE ASSESSMENT:

One additional concern was noted for this SDG.

- i) Sample EDT23 is identified on the Traffic Report/Chain of Custody as a rinsate for the VOA fraction and as a ground water for the SVOA and PEST fractions.

Reviewed by: Steven Schroedl, Lockheed, ESAT
Date: June 17, 1993

CALIBRATION OUTLIERS
VOLATILE TCL COMPOUNDS
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CASE/SAS# 19810
COLUMN: PACK

CONTRACTOR: DATACHEM
SITE NAME: SHIELDALLOY METAL

SRS
6/16/93

Instrument#	Date/Time	Initial Cal			Contn Cal			Contn Cal			Contn Cal			
		#	rf	%rd	#	rf	%d	#	rf	%d	#	rf	%d	
Chloromethane		0.01												
Bromomethane		0.10												
Vinyl chloride		0.10												
Chloroethane		0.01												
Methylene chloride		0.01												
Acetone	0.572	0.01	1100	50.3	J	0.524	93.4	J	0.221	61.4	J	0.335	91.4	J
Carbon disulfide		0.01												
1,1-Dichloroethene		0.10												
1,1-Dichloroethane		0.20												
1,2-Dichloroethene (total)														
Chloroform		0.20												
1,2-Dichloroethane		0.10												
2-Butanone		0.01	0.651	23.2	J	0.503	22.7	J	0.426	34.6	J	0.568	12.8	J
1,1,1-Trichloroethane		0.10												
Carbon tetrachloride		0.10												
Bromodichloromethane		0.20												
1,2-Dichloropropane														
cis-1,3-Dichloropropene		0.20												
Trichloroethene		0.30												
Dibromochloromethane		0.10												
1,1,2-Trichloroethane		0.10												
Benzene		0.50												
trans-1,3-Dichloropropene		0.10												
Bromoform		0.10												
4-Methyl-2-pentanone		0.01	0.493	35.6	J	0.380	22.9	J	0.374	24.1	J	0.431	12.6	J
2-Hexanone		0.01	0.326	43.9	J	0.268	17.8	J	0.326	36.8	J	0.233	28.5	J
Tetrachloroethene		0.20												
1,1,2,2-Tetrachloroethane		0.50												
Toluene		0.40												
Chlorobenzene		0.50												
Ethylbenzene		0.10												
Styrene		0.30												
Xylene (total)		0.30												
Toluene-d8														
Bromofluorobenzene														
1,2-Dichloroethane-d4			2.073	13.6	J	1.919	7.4	J	1.461	29.5	J	2.073	12.0	J
Samples affected:														
						ETD01			ETD06			ETD07		
						ETD02			ETD09			ETD07MS		
						ETD03			ETD11			ETD07MSD		
						ETD04			ETD12			VELK04		
						ETD08			VELK02					
						ETD10								
						VELK01								

Reviewer's Init/Date SRS 6/16/93

* These flags should be applied to the analytes on the sample data sheets.
Minimum Relative Response Factor

CALIBRATION OUTLIERS
VOLATILE TCL COMPOUNDS
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CASE/SAS#: 19810
COLUMN: CAD

CONTRACTOR: DATA CHEM
SITE NAME: SHIELDALLOY METAL

Instrument#	#	Initial Cal			Contn. Cal.			Contn. Cal.			Contn. Cal.		
		rf	%rd	* rf	%d	* rf	%d	* rf	%d	* rf	%d		
5971-M													
Date/Time:		3/29/93		4/30/93	11A2								
Chloromethane	0.01	0.667	11.4	0.977	46.5	5							
Bromomethane	0.10												
Vinyl chloride	0.10												
Chloroethane	0.01												
Methylene chloride	0.01												
Acetone	0.01												
Carbon disulfide	0.01												
1,1-Dichloroethene	0.10												
1,1-Dichloroethane	0.20												
1,2-Dichloroethene (total)													
Chloroform	0.20												
1,2-Dichloroethane	0.10												
2-Butanone	0.01												
1,1,1-Trichloroethane	0.10												
Carbon tetrachloride	0.10												
Bromodichloromethane	0.20												
1,2-Dichloropropane													
cis-1,3-Dichloropropene	0.20												
Trichloroethene	0.30												
Dibromochloromethane	0.10												
1,1,2-Trichloroethane	0.10												
Benzene	0.50												
trans-1,3-Dichloropropene	0.10												
Bromoform	0.10												
4-Methyl-2-pentanone	0.01												
2-Hexanone	0.01												
Tetrachloroethene	0.20												
1,1,2,2-Tetrachloroethane	0.50												
Toluene	0.40												
Chlorobenzene	0.50												
Ethylbenzene	0.10												
Styrene	0.30												
Xylene (total)	0.30												

Toluene-d8
Bromofluorobenzene
1,2-Dichloroethane-d4

Samples affected:

ETD 17
ETD 18
ETD 19
ETD 20
ETD 21
ETD 22
ETD 23
ETD 24
ETD 24 986
ETD 24 6/16/93
ETD 21MS
ETD 21MSD
VBK03

Reviewer's Init/Date SRS 6/16/93

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Minimum Relative Response Factor

CALIBRATION OUTLIER
SEMIVOLATILE TCL COMPOUNDS
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CASE/SAS#: 19810
COLUMN: _____

CONTRACTOR: DATA-CHEM
SITE NAME: SHIELDALLOY METAL

Instrument#	Date/Time	Initial Cal			Cont'n. Cal.			Cont'n. Cal.			Cont'n. Cal.			Cont'n. Cal.		
		#	rf	%rd	#	rf	%d	#	rf	%d	#	rf	%d	#	rf	%d
Diethylphthalate	0.01															
4-Chlorophenyl-phenylether	0.40															
Fluorene	0.90															
4-Nitroaniline	0.01	2.056			0.153	173.2	J									
4,6-Dinitro-2-methylphenol	0.01															
N-nitrosodiphenylamine	0.01	2.407			0.515	26.5	J									
4-Bromophenyl-phenylether	0.10															
Hexachlorobenzene	0.10															
Pentachlorophenol	0.05															
Phenanthrene	0.70															
Anthracene	0.70															
Carbazole		2953	38.7	J	0.773	70.6	J									
Di-n-butylphthalate	0.01															
Fluoranthene	0.60															
Pyrene	0.60															
Bis(2-benzyl)phthalate	0.01															
3,3'-Dichlorobenzidine	0.01	0.073	39.7	J	0.106	45.2	J									
Benzo(a)anthracene	0.80															
Chrysene	0.70															
bis(2-Ethylhexyl)phthalate	0.01															
Di-n-octyl phthalate	0.01															
Benzo(b)fluoranthene	0.70															
Benzo(k)fluoranthene	0.70															
Benzo(a)pyrene	0.70															
Indeno(1,2,3-cd)pyrene	0.50															
Dibenz(a,h)anthracene	0.40															
Benzo(g,h,i)perylene	0.50															
Nitrobenzene-d5	0.01															
2-Fluorobiphenyl	0.70															
Terphenyl-d14	0.50															
Phenol-d5	0.80															
2-Fluorophenol	0.60															
2,4,6-Tribromophenol	0.01															
2-Chlorophenol-d4																
1,2-Dichlorobenzene-d4																

Reviewer's Init/Date: SRS
6/1/93

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Minimum Relative Response Factor

CALIBRATION OUTLIER
SEMIVOLATILE TCL COMPOUNDS
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CASE/SAS# 19810
COLUMN: _____

CONTRACTOR: DATACHEM
SITE NAME: SHIELDALLOY METAL

Instrument#	Date/Time	Initial Cal			Contn. Cal			Contn. Cal			Contn. Cal			Contn. Cal		
		#	rf	%rd	#	rf	%d	#	rf	%d	#	rf	%d	#	rf	%d
Phenol		0.80														
bis(chloroethyl) Ether		0.70														
2-Chlorophenol		0.70														
1,3-Dichlorobenzene																
1,4-Dichlorobenzene																
1,2-Dichlorobenzene																
2-Methylphenol		0.70														
2,2'-Oxybis(1-chl-propane)		0.01														
4-Methylphenol		0.60														
N-nitroso-di-n-propylamine		0.50														
Hexachloroethane		0.30														
Nitrobenzene		0.20														
Isophorone		0.40														
2-Nitrophenol		0.10														
2,4-Dimethylphenol		0.20														
bis-(2-chloroethoxy)methane		0.30														
2,4-Dichlorophenol		0.20														
1,2,4-Trichlorobenzene		0.20														
Naphthalene		0.70														
4-Chloroaniline		0.01	0.055	25.9	0.076	38.2	J	0.038	30.9	J						
Hexachlorobutadiene		0.01														
4-Chloro-3-methylphenol		0.20	0.263	6.0	0.196	25.5	J	0.224	14.8							
2-Methylnaphthalene		0.40														
Hexachlorocyclopentadiene		0.01														
2,4,6-Trichlorophenol		0.20														
2,4,5-Trichlorophenol		0.20														
2-Chloronaphthalene		0.80														
2-Nitroaniline		0.01														
Dimethyl phthalate		0.01														
Acenaphthylene		1.30														
2,6-Dinitrotoluene		0.20														
3-Nitroaniline		0.01	0.060	38.2	J	0.262	336.7	J	0.222	270.0	J					
Acenaphthene		0.30														
2,4-Dinitrophenol		0.01														
4-Nitrophenol		0.01	0.121	9.8	0.075	38.0	J	0.095	21.5							
Dibenzofuran		0.80														
2,4-Dinitrotoluene		0.20														

Affected samples:	ETD 01	ETD 05
	ETD 02	ETD 06
	ETD 03	ETD 07
	ETD 04	ETD 08
	SBLE 02	ETD 09
		ETD 10
		ETD 11
		ETD 12 MS
		ETD 12 MSD

Reviewer's Init/Date: SRS
6/16/93

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Minimum Relative Response Factor

CALIBRATION OUTLIER
SEMIVOLATILE TCL COMPOUNDS
(Page 2 of 2)

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CASE/SAS#: 19810
COLUMN: _____

CONTRACTOR: DATACHEM
SITE NAME: SHIELDALLOY METAL

Instrument#	Date/Time	Initial Cal		Contn. Cal		Contn. Cal		Contn. Cal		Contn. Cal			
		#	rf	%rd	#	rf	%d	#	rf	%d	#	rf	%d
Diethylphthalate	0.01												
4-Chlorophenyl-phenylether	0.40												
Fluorene	0.90												
4-Nitroaniline	0.01	0.078	34.0	J	0.177	152.6	J	0.059	24.4				
4,6-Dinitro-2-methylphenol	0.01												
N-nitrosodiphenylamine	0.01	0.161	5.4		0.228	41.6	J	0.209	29.8	J			
4-Bromophenyl-phenylether	0.10												
Hexachlorobenzene	0.10												
Pentachlorophenol	0.05	0.110	7.0		0.071	35.4	J	0.078	29.1	J			
Phenanthrene	0.70												
Anthracene	0.70												
Carbazole		0.573	15.1		0.771	106.7	J	0.467	25.2	J			
Di-n-butylphthalate	0.01	1.083	7.7		1.353	24.9		1.432	32.2	J			
Fluoranthene	0.60												
Pyrene	0.60	1.711	21.9					2.181	27.5	J			
Butylbenzylphthalate	0.01	0.531	6.8		0.695	30.9	J	0.866	63.1	J			
3,3'-Dichlorobenzidine	0.01												
Benzo(a)anthracene	0.80												
Chrysene	0.70												
bis(2-Ethylhexyl)phthalate	0.01	0.825	5.8		1.203	45.8	J	1.369	65.9	J			
Di-n-octyl phthalate	0.01	1.713	12.3		2.831	65.3	J	2.699	57.6	J			
Benzo(b)fluoranthene	0.70												
Benzo(k)fluoranthene	0.70												
Benzo(a)pyrene	0.70												
Indeno(1,2,3-cd)pyrene	0.50												
Dibenz(a,h)anthracene	0.40												
Benzo(g,h,i)perylene	0.50												
robenzene-d5	0.01												
2-Fluorobiphenyl	0.70												
Terphenyl-d14	0.50												
Phenol-d5	0.80												
2-Fluorophenol	0.60												
2,4,6-Tribromophenol	0.01												
2-Chlorophenol-d4													
1,2-Dichlorobenzene-d4													

Reviewer's Init/Date: SES
6/16/93

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Minimum Relative Response Factor

**CALIBRATION OUTLIERS
PESTICIDE/PCB TCL COMPOUNDS**

CASE\SAS#: 19810

CONTRACTOR: DATACHEM

Column: DB-60A

Site Name: SHIELDALLOY METAL

Instrument#: <u>EC17-4479</u> Date/Time	Initial Cal.		Continue Cal.		Continue Cal.		Continue Cal.	
	<u>5/19/93</u>		<u>5/19/93</u>	<u>2020</u>	<u>5/20/93</u>	<u>1750</u>		
	\$RSD	*	\$RPD	*	\$RPD	*	\$RPD	*
Alpha-BHC								
Beta-BHC								
Delta-BHC								
Gamma-BHC								
Heptachlor								
Aldrin								
Heptachlor epoxide								
Endosulfan I								
Dieldrin								
4,4'-DDE								
Endrin								
Endosulfan II								
4,4'-DDD								
Endosulfan sulfate								
4,4'-DDT								
Methoxychlor								
Endrin ketone								
Endrin aldehyde								
Alpha chlordane								
Gamma chlordane								
Aroclor-1016								
Aroclor-1221								
Aroclor-1232								
Aroclor-1242								
Aroclor-1248								
Aroclor-1254								
Aroclor-1260								
Toxaphene								

Affected samples:

	ETD17	ETD06
	ETD18	ETD07
	ETD19	ETD08
	ETD20	ETD09
	ETD21	ETD10
	ETD22	ETD11
	ETD23	ETD12
	ETD21MS	ETD09MS
	ETD21MSD	ETD09MSD

Reviewer's Init/Date: SRS 6/17/93

ESAT-5-024.2 1/93

* These flags should be applied to the analytes on the sample data sheets.

- ETD01
- ETD02
- ETD03
- ETD04
- ETD05
- PBLKW1
- PBLK25

**CALIBRATION OUTLIERS
PESTICIDE/PCB TCL COMPOUNDS**

CASE\SAS#: 19810

CONTRACTOR: DATACHEM

Column: DB-1701

Site Name: SHIELDALLOY METAL

Instrument#: <u>EA-CH50</u> Date/Time	Initial Cal.		Continue Cal.		Continue Cal.		Continue C	
	5/19/93		5/19/93	1951	5/20/93	1602		
Alpha-BHC	\$RSD	*	\$RPD	*	\$RPD	*	\$RPD	*
Beta-BHC								
Delta-BHC								
Gamma-BHC								
Heptachlor								
Aldrin								
Heptachlor epoxide								
Endosulfan I								
Dieldrin								
4,4'-DDE								
Endrin								
Endosulfan II								
4,4'-DDD								
Endosulfan sulfate								
4,4'-DDT								
Methoxychlor	20.5	5						
Endrin ketone								
Endrin aldehyde								
Alpha chlordane								
Gamma chlordane								
Aroclor-1016								
Aroclor-1221								
Aroclor-1232								
Aroclor-1242								
Aroclor-1248								
Aroclor-1254								
Aroclor-1260								
Toxaphene								

Affected samples:

	ETD 17	ETD 06
	ETD 18	ETD 07
	ETD 19	ETD 08
	ETD 20	ETD 09
	ETD 21	ETD 10
	ETD 22	ETD 11
	ETD 23	ETD 12
	ETD 21 MS	ETD 09 MS
	ETD 21 MSD	ETD 09 MSD

Reviewer's Init/Date: SRS 6/17/93

ESAT-5-024.2 1/93

* These flags should be applied to the analytes on the sample data sheets.
ETD 01
ETD 02
ETD 03
ETD 04
ETD 05
PBLK W1
PBLK 25

DATA REPORTING QUALIFIERS

(page 1)

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 results is a value greater than or equal to the Contract Required Quantitation Limit (CRQL), report the value.

U - Indicates compound was analyzed for 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:

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

and df = dilution factor

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

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

For soil samples subjected to GPC clean-up procedures, the extract must be concentrated to 0.5 ml, and the sensitivity of the analysis is not compromised by the cleanup procedures. Therefore, the CRQL values will apply to all samples, regardless of cleanup. However, if a sample extract cannot be concentrated to the protocol-specified volume, this fact be accounted for in reporting the Sample Quantitation Limit.

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 dilution as discussed for the U flag. The J flag is also applied to pesticide/Aroclor results where the pesticide/Aroclor is confirmed to be present but the concentration is less than the CRQL.

N - Indicates presumptive evidence of a compound. This flag is only used for tentatively identified compounds. Where the identification is based on a mass spectral library search. It is applied to all TIC results.

DATA REPORTING QUALIFIERS

(page 2)

- P - This flag is used for a pesticide/Aroclor target analyte when there is greater than 25% difference for detected concentrations between the two columns (see Form X). The lower of the two values is reported on Form I and flagged with a "P".
- C - This flag applies to pesticide results where identification has been confirmed by GC/MS. If GC/MS confirmation was attempted but unsuccessful, do not apply this flag, instead use a laboratory-defined, discussed below.
- 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 the specific analysis. This flag will not apply to pesticide/PCBs analyzed by GC/MS 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 Form I. 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 "E" 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. This flag alerts data users that any discrepancies between the concentrations reported may be due to dilution of the sample or extract.
- A - This flag indicates that a 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 SDG Narrative. If more than one flag 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. The laboratory-defined are limited to letters "X", "Y" and "Z".



United States Environmental Protection Agency
Contract Laboratory Program Sample Management Office
PO Box 818 Alexandria, VA 22313
703 557 2490 FTS 557 2490

Organic Traffic Report & Chain of Custody Record

(For Organic CLP Analysis)

SAS No.
(if applicable)

Case No.

12810

1. Sample Description (Enter in Column A) 1. Surface Water 2. Ground Water 3. Leachate 4. Rinsate 5. Soil/Sediment 6. Oil (High only) 7. Waste (High only) 8. Other (Specify)	2. Preservative (Enter in Column D) 1. HCl 2. HNO3 3. NaHSO4 4. H2SO4 5. Other (Specify) 6. Ice only N. Not preserved	3. Region No. 5	Sampling Co. PRC	5. Date Shipped 4/22/93	Carrier FedEx	7. Date Received -- Received by 4-22-93 <i>[Signature]</i>	
		Sampler (Name) Kevin Schmees		Airbill Number 5444372532		Laboratory Contract Number 605-01-0080	Unit Price 598
		Sampler Signature <i>[Signature]</i>		6. Ship To Intertek Laboratories, Inc 900 West Levey Lane Salt Lake City, UT 84121		8. Transfer to	Date Received
		4. Type of Activity Remedial Removal Lead: <input type="checkbox"/> CLEM Pre-Remedial: <input type="checkbox"/> REMA SF: <input type="checkbox"/> RA PRP: <input type="checkbox"/> REM ST: <input type="checkbox"/> OIL FED: <input type="checkbox"/> OIL LSI: <input type="checkbox"/> OIL NPLD: <input type="checkbox"/> OIL UST: <input type="checkbox"/> OIL		ATTN: Toni Jackson		Received by	
				Contract Number		Price	

CLP Sample Numbers (from labels)	A Enter # From Box 1	B Conc. Low Med High	C Sample Type Comp/ Grab	D Preservative from Box 6	E RAS Analysis				F Regional Specific Tracking Number or Tag Numbers	G Station Location Number	H Mo/Day/Year/Time Sample Collection	I Sampler Initials	J Corresp. CLP Inorg. Samp. No.	K Sample Condition on Rec'd	L High Conc. Phases (Check below)		
					VOA	BNA	Pest/PCB	High ARO/TOX							Solids	Water - Ms Lig	Non Water - Ms Lig
E1D17	2	L	G	1	X				5-173976-173977	SA EW 11	4/21/93 1500		ME 11 21				
E1D18	1			1	X				5 173994-173995	SA EW 12	1730		ME 11 22				
E1D19				1	X				5 173959-173960	SA EW 13	1700		ME 11 23				
E1D20				1	X				5 173984-173985	SA EW 14	1630		ME 11 24				
E1D21				1	X				5-113947-173952	SA EW 15	1910		ME 11 25				
E1D21				N		X	X		5 173953-173954	SA EW 15	1910		ME 11 25				
E1D22				1	X				5-173942-173982	SA EW 16	1630		ME 11 26				
E1D23	4			1	X				5 173965-173974	SA EW 17	1600		ME 11 27				
E1D24	4			1	X				5 173960	SA EW 17	1800						

Shipment for Case complete? (Y/N)	Page 1 of 1	Sample used for a spike and/or duplicate E1D21	Additional Sampler Signatures <i>[Signature]</i>	Chain of Custody Seal Number 157692, 159693
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CHAIN OF CUSTODY RECORD

Relinquished by: (Signature) <i>[Signature]</i>	Date / Time 4/21/93 1800	Received by: (Signature) <i>[Signature]</i>	Relinquished by: (Signature) <i>[Signature]</i>	Date / Time 4/21/93 1415	Received by: (Signature)
Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
Relinquished by: (Signature)	Date / Time	Received for Laboratory by: (Signature) <i>[Signature]</i>	Date / Time 4-22-93 1000	Remarks	Is custody seal intact? <input checked="" type="checkbox"/> Y/N/none

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Split Samples Accepted (Signature)
 Declined

SEE REVERSE FOR ADDITIONAL STANDARD INSTRUCTIONS

0 350269



United States Environmental Protection Agency
 Contract Laboratory Program: Sample Management Office
 PO Box 818 Alexandria, VA 22313
 703-557-2490 FTS 557-2490

Organic Traffic Report & Chain of Custody Record

(For Organic CLP Analysis)

SAS No. (if applicable)

Case No.

19810

1. Sample Description (Enter in Column A) 1. Surface Water 2. Ground Water 3. Leachate 4. Rinse 5. Soil/Sediment 6. Oil (High only) 7. Waste (High only) 8. Other (Specify)	2. Preservative (Enter in Column D) 1. HCl 2. HNO3 3. NaHSO4 4. H2SO4 5. Other (Specify) 6. Ice only N. Not preserved	3. Region No. 5	Sampling Co. PAC	5. Date Shipped 4/21/93	Carrier FedEx	7. Date Received -- Received by			
		Sampler (Name) Kevin Schnoes		Airbill Number 5194373532		Laboratory Contract Number CR-02080	Unit Price 588		
		Sampler Signature Kevin Schnoes		6. Ship To Intachem Laboratories, Inc. Old West Ferry Drive Fall Lake City, UT 84123		8. Transfer to		Date Received	
		4. Type of Activity Remedial: RIFS, RD, RA, O&M, NPLD Removal: CLEM, REMA, REM, OIL, UST Lead: SF, PRP, ST, FED Pre-Remedial: PA, SSI, LSI				Received by		Contract Number	

CLP Sample Numbers (from labels)	A Enter # From Box 1	B Conc Low Med High	C Sample Type Comp/Grab	D Preservative from Box 6	E RAS Analysis				F Regional Specific Tracking Number or Tag Numbers	G Station Location Number	H Mo/Day/Year/Time Sample Collection	I Sampler Initials	J Corresp. CLP Org. Samp. No.	K Sample Condition on Rec'd	L High Conc. Phases (Check below)			
					VOA	BNA	Pest/PCB	High ARO/TOX							Solids	Water Ms Lic.	Non Water Ms Lic.	Non Water Ms Lic.
ETA 17	2	L	G	N		X	X		5-173978-173978 SA-GW-01	4/21/93 1500		MEIP21	Good					
ETA 19	↓	↓	↓	↓		X	X		5-173961-173962 SA-GW-03	↓ 1200		MEIP23	↓					
ETA 23	↓	↓	↓	↓		X	X		5-173967-173968 SA-GW-FB-01	↓ 1600		MEIP27	↓					

Shipment for Case complete? (Y/N)	Page 1 of 1	Sample used for a spike and/or duplicate ETA 21	Additional Sampler Signatures <i>[Signature]</i>	Chain of Custody Seal Number 159699, 159700
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CHAIN OF CUSTODY RECORD

Relinquished by: (Signature) Kevin Schnoes	Date / Time 4/21/93 1800	Received by: (Signature) Mushar Anwar	Relinquished by: (Signature) C. Hirschman	Date / Time 4/21/93 1815	Received by: (Signature)
Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
Relinquished by: (Signature)	Date / Time	Received for Laboratory by: (Signature) <i>[Signature]</i>	Date / Time 4-22-93 1000	Remarks	Is custody seal intact? (Y/N) none

EPA Form #110-2 (Rev. 5-91) Replaces EPA Form (2075-7), previous edition which may be used

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0 31 '270



United States Environmental Protection Agency
 Contract Laboratory Program Sample Management Office
 PO Box 818 Alexandria, VA 22313
 703-557-2490 FTS 557-2490

Organic Traffic Report & Chain of Custody Record

(For Organic CLP Analysis)

SAS No. (if applicable) _____ Case No. **19810**

7. Date Received -- Received by
 4-21-93 *[Signature]*

Laboratory Contract Number **68-D10080** Unit Price **598**

8. Transfer to _____ Date Received _____

Received by _____

Contract Number _____ Price _____

1. Sample Description
 Enter in Column A
 1. Surface Water
 2. Ground Water
 3. Leachate
 4. Rinseate
 5. Soil/Sediment
 6. Oil (High only)
 7. Waste (High only)
 8. Other (Specify)

2. Preservative (Enter in Column D)
 1. HCl
 2. HNO3
 3. NaHSO4
 4. H2SO4
 5. Other (Specify)
 6. Ice only
 N. Not preserved

3. Region No. **5** Sampling Co. **PRC**

5. Date Shipped _____ Carrier **Federal Express**

Sampler (Name) **Kevin Schooes** Airbill Number **5484373521**

Sampler Signature *[Signature]*

6. Ship To **DATA-CHEM LABORATORIES, INC.**
960 West LeVoy Drive
Salt Lake City, UT 84123
ATTN: TOM JACKSON

4. Type of Activity
 Remedial Removal
 Lead Pre R/F/S CLEM
 SF Remedial RD REMA
 PRP PA RA REM
 ST SSI O&M OIL
 FED LSI NPLD UST

CLP Sample Numbers (from labels)	A Enter # From Box 1	B Conc. Low Med High	C Sample Type: Comp/Grab	D Preservative from Box 6	E RAS Analysis				F Regional Specific Tracking Number or Tag Numbers	G Station Location Number	H Mo/Day/Year/Time Sample Collection	I Sampler Initials	J Corresp. CLP Inorg. Samp. No.	K Sample Condition on Rec'd	L High Conc. Phases (Check below)		
					VOA	BNA	Pest/PCB	High ARO/TOX							Solids	Water Ms Lc	Non Water Ms Lc
ETD 01	5	L	Grab	N	X	X	X		5-173826-828	SA-SO-01	4/20/93 1210		MESP93	Good			
ETD 02	5	L	Grab	N	X	X	X		5-113829-831	SA-SO-02	4/20/93 1740		MESP94				
ETD 03	5	L	Grab	N	X	X	X		5-173832-834	SA-SO-03	4/20/93 1105		MESP95				
ETD 04	5	L	Grab	N	X	X	X		5-173835-837	SA-SO-04	4/20/93 0745		MESP96				
ETD 05	5	L	Grab	N	X	X	X		5-173838-840	SA-SO-05	4/20/93 1045		MESP97				
ETD 06	5	L	Grab	N	X	X	X		5-173841-843	SA-SO-06	4/20/93 0945		MESP98				
ETD 07	5	L	Grab	N	X	X	X		5-173844-846	SA-SO-07	4/20/93 1515		MESP99				
ETD 08	5	L	Grab	N	X	X	X		5-173847-849	SA-SO-08	4/20/93 1450		METP12				
ETD 09	5	L	Grab	N	X	X	X		5-173850-852	SA-SO-09	4/20/93 1120		METP13				
ETD 10	5	L	Grab	N	X	X	X		5-173853-855	SA-SO-10	4/20/93 1620		METP14				

Shipment for CLP complete? (Y/N) **Y** Page 1 of **2** Sample used for a spike and/or duplicate **ETD 01**

Additional Sampler Signatures *[Signature]* Chain of Custody Seal Number **159677 159678**

CHAIN OF CUSTODY RECORD

Relinquished by: (Signature) <i>Kevin Schooes</i>	Date / Time 4/20/93 1830	Received by: (Signature) <i>[Signature]</i>	Relinquished by: (Signature) <i>[Signature]</i>	Date / Time 4/20/93 1845	Received by: (Signature) <i>[Signature]</i>
Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
Relinquished by: (Signature)	Date / Time	Received for Laboratory by: (Signature) <i>[Signature]</i>	Date / Time 4-21-93 1000	Remarks Is custody seal intact? Y/N/none	

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Split Samples Accepted (Signature) Declined

SEE REVERSE FOR ADDITIONAL STANDARD INSTRUCTIONS



United States Environmental Protection Agency
 Contract Laboratory Program Sample Management Office
 PO Box 818 Alexandria, VA 22313
 703-557-2490 FTS 557-2490

Organic Traffic Report & Chain of Custody Record

(For Organic CLP Analysis)

SAS No.
(if applicable)

Case No.

19810

1. Sample Description
(Enter in Column A)

1. Surface Water
2. Ground Water
3. Leachate
4. Rinseate
5. Soil/Sediment
6. Oil (High only)
7. Waste (High only)
8. Other (Specify)

2. Preservative
(Enter in Column D)

1. HCl
2. HNO3
3. NaHSO4
4. H2SO4
5. Other (Specify)
6. Ice only
- N. Not preserved

3. Region No. | Sampling Co.

5 | PVC

Sampler (Name)

Kevin Schiros

Sampler Signature

Kevin Schiros

4. Type of Activity

Lead	Pb	RIF	CLEM
SF	Remedial	RD	REMA
PRP	PA	RA	REM
ST	SSI	O&M	OIL
FED	LSI	NPLD	UST

5. Date Shipped

4/21/93

Carrier

FedEx

Airbill Number

15984373532

6. Ship To

Dutachem Laboratories, Inc
 940 West Leary Drive
 Salt Lake City, UT 84123

ATTN: Tom Jackson

7. Date Received -- Received by

4-22-93

[Signature]

Laboratory Contract Number

68-01-000

Unit Price

558

8. Transfer to

Date Received

Received by

Contract Number

Price

CLP Sample Numbers (from labels)	A Enter # From Box 1	B Conc Low Med High	C Sample Type Comp/Grab	D Preservative from Box 6	E RAS Analysis			F Regional Specific Tracking Number or Tag Numbers	G Station Location Number	H Mo/Day/Year/Time Sample Collection	I Sampler Initials	J Corresp. CLP Inorg. Samp. No.	K Sample Condition on Rec'd	L High Conc. Phases (Check below)			
					VOA	3NA	Pest/PCB							High ARO/TOX	Solids	Water - Ms Liq	Non Water - Ms Liq
ETD 18	2	L	G	N		X	X		5-113796-113997	9A-GW-02	4/21/93 1330	4C1122	Good				
ETD 20	↓	↓	↓	↓		X	X		5-173990-173991	SA-GW-04	↓ 1030	4C1F2F					
ETD 22	↓	↓	↓	↓		X	X		5-173994-173995	SA-GW-06	↓ 1030	4C1F26	↓				

Shipment for Case complete? (Y/N)

Page 1 of 1

Sample used for a spike and/or duplicate

ETD 21

Additional Sampler Signatures

[Signature]

Chain of Custody Seal Number

119937, 114498

CHAIN OF CUSTODY RECORD

Relinquished by: (Signature) <i>Kevin Schiros</i>	Date / Time 4/21/93 1800	Received by: (Signature) <i>[Signature]</i>	Relinquished by: (Signature) <i>[Signature]</i>	Date / Time 4/21/93 1815	Received by: (Signature)
Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
Relinquished by: (Signature)	Date / Time	Received for Laboratory by: (Signature) <i>[Signature]</i>	Date / Time 4-22-93	Remarks 1000	Is custody seal intact? <input checked="" type="checkbox"/> Yes / <input type="checkbox"/> None

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0 350271

026



United States Environmental Protection Agency
 Contract Laboratory Program Sample Management Office
 PO Box 818 Alexandria, VA 22313
 703-557-2490 FTS 557-2490

Organic Traffic Report & Chain of Custody Record

(For Organic CLP Analysis)

SAS No. (if applicable)

Case No.

17010

1. Sample Description (Enter in Column A) 1. Surface Water 2. Ground Water 3. Leachate 4. Rinse 5. Soil/Sediment 6. Oil (High only) 7. Waste (High only) 8. Other (Specify)	2. Preservative (Enter in Column D) 1. HCl 2. HNO3 3. NaHSO4 4. H2SO4 5. Other (Specify) 6. Ice only N. Not preserved	3. Region No. 5	Sampling Co. PFC	5. Date Shipped 4/20/93	Carrier FedEx	7. Date Received -- Received by 4-21-93 <i>[Signature]</i>																	
		Sampler (Name) Kevin Schwab		Airbill Number SAB 4373521		Laboratory Contract Number 68-01-0080	Unit Price 550																
		Sampler Signature <i>[Signature]</i>		6. Ship To Detachem Laboratories, Inc. 900 West Levy Drive Fall Lake City, UT 84123 ATTN: Tom Jackson		8. Transfer to Date Received																	
		4. Type of Activity <table border="0"> <tr> <td>Lead</td> <td>Pre Remedial</td> <td>RIFS</td> <td>CLEM</td> </tr> <tr> <td>SF</td> <td>RD</td> <td>REMA</td> <td></td> </tr> <tr> <td>PRP</td> <td>PA</td> <td>REM</td> <td></td> </tr> <tr> <td>ST</td> <td>SSI</td> <td>O&M</td> <td>OIL</td> </tr> <tr> <td>FED</td> <td>LSI</td> <td>NPLD</td> <td>UST</td> </tr> </table>		Lead	Pre Remedial	RIFS	CLEM	SF	RD	REMA		PRP	PA	REM		ST	SSI	O&M	OIL	FED	LSI	NPLD	UST
Lead	Pre Remedial	RIFS	CLEM																				
SF	RD	REMA																					
PRP	PA	REM																					
ST	SSI	O&M	OIL																				
FED	LSI	NPLD	UST																				

CLP Sample Numbers (from labels)	A Enter # From Box 1	B Conc. Low Med High	C Sample Type Comp/Grab	D Preservative from Box 6	E RAS Analysis				F Regional Specific Tracking Number or Tag Numbers	G Station Location Number	H Mo/Day/Year/Time Sample Collection	I Sampler Initials	J Corresp. CLP Inorg. Samp. No.	K Sample Condition on Rec'd	L High Conc. Phases (Check below)		
					VOA	BNA	Pest/PCB	High ARO/TOX							Solids	Water - Ms Lic	Non-Water - Ms Lic
E7D11	5	L	G	N	X	X	X		5 116225 116210	SA-SP-11	4/20/93 1650		MEIPIS	Good			
E7D12	↓	↓	↓	↓	X	X	X		5 116247 116244	SA-SP-12	↓ 1670		MEIP16	L			

Shipment for Case complete? (Y/N)	Page 1 of 2	Sample used for a spike and/or duplicate	Additional Sampler Signatures	Chain of Custody Seal Number
(Y)	2	F 11 11	<i>[Signature]</i>	159677, 159678

CHAIN OF CUSTODY RECORD

Relinquished by: (Signature) <i>[Signature]</i>	Date / Time 4/20/93 1830	Received by: (Signature) <i>[Signature]</i>	Relinquished by: (Signature) <i>[Signature]</i>	Date / Time 4/21/93 1600	Received by: (Signature) <i>[Signature]</i>
Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
Relinquished by: (Signature)	Date / Time	Received for Laboratory by: (Signature) <i>[Signature]</i>	Date / Time 4-21-93 1000	Remarks Is custody seal intact? (Y/N) none	

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Split Samples Accepted (Signature) Declined

SEE REVERSE FOR ADDITIONAL STANDARD INSTRUCTIONS 0 350267



A SORENSON COMPANY

**SDG NARRATIVE
VOA FRACTION**

CASE NO.: 18910

SDG NO.: ETD01

SAMPLE NO(s). for VOA analysis: ETD01, ETD02, ETD03, ETD04,
ETD05, ETD06, ETD07, ETD07MS,
ETD07MSD, ETD08, ETD09, ETD10,
ETD11, ETD12, ETD17, ETD18,
ETD19, ETD20, ETD21, ETD21MS,
ETD21MSD, ETD22, ETD23, ETD24

EPA-CLP CONTRACT NO. 68-D1-0080
DATACHEM LABS.

- I. 1. CASE 19810 DataChem Laboratories received eight water and twelve soil samples for VOA analysis, which have been assigned the SDG designation ETD01. This report includes the data for the twenty samples received for this SDG.
- I. 2. VOA Analysis The soil samples were analyzed as soil samples according to EPA SOW 3/91. The water samples were analyzed as water samples according to EPA SOW 3/91.
- 2.1 The pH of the water samples were taken and found to be less than 2.
- 2.2 All system monitoring compounds and internal standard recoveries were within the required QC limits. All samples were analyzed within the hold time limits.
- I. 3. Matrix Spike and Matrix Spike Duplicate Analyses The matrix spike and matrix spike duplicate analyses for the low level soil samples were performed using sample ETD07. The matrix spike and matrix spike duplicate analyses for the water samples were performed using sample ETD21.

SDG Narrative authorized by: *John J. Marocco*

Date: 5-19-93

2

**SDG NARRATIVE
SEMIVOLATILE FRACTION**

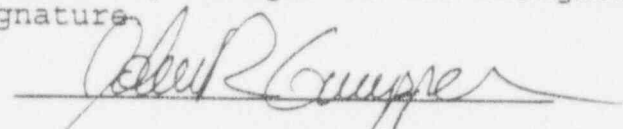
CASE NO. 19810

SDG NO. ETD01

SAMPLE NO.(s) for semivolatile analysis: ETD01, ETD02, ETD03,
ETD04, ETD05, ETD06, ETD07, ETD08, ETD09,
ETD10, ETD11, ETD12, ETD12MS, ETD12MSD,
ETD17, ETD18, ETD19, ETD20, ETD21,
ETD21MS, ETD21MSD, ETD22, ETD23.

EPA-CLP Contract Number 68-D1-0080
DATAChem LABORATORIES

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package and in the computer-readable data submitted on diskette has been authorized by the Laboratory Manager or his designee, as verified by the following signature.


John R. Gumper, Section Manager date 5-26-93

- I. 1. Case 19810 DataChem Laboratories has received a total of seven water samples and twelve soil samples for Case 19810. This report includes data for the samples listed above which have been assigned the SDG designation ETD01. DataChem Laboratories expects to be paid for all analyses listed above.
- I. 2. Semivolatile Analysis: All samples in this SDG were analyzed and reported for the BNA fraction using the water or soil protocol specified in the SOW 3/90 and the following revisions. All of the surrogate recoveries and internal standard responses met the required QC criteria. No dilutions were necessary, both blanks met all requirements listed in the SOW, and all of the samples were extracted and analyzed within the holding times.

The original files for the tune and calibration standards analyzed from 4/27/93 to 4/28/93 on 5100-D for the "DA" curve are with the EPA case 19693. The original files for the tune and calibration standards analyzed on 5/13/93 on 5100-D for the "DT" curve are with EPA case 19762.

I. 3.

Matrix Spike and Matrix Spike Duplicate Analyses

The matrix spike and matrix spike duplicate analyses were performed on water sample ETD21 and soil sample ETD12 according to the protocol listed in the SOW. All of the recoveries and reproducibilities were within the QC criteria with one minor exceptions. Matrix spiking was requested for soil sample ETD01 but this was not noted until after holding times had expired.

Case Narrative Authorized by: John R. Gumpfer date 5-26-93

SDG NARRATIVE
PESTICIDE/PCB ANALYSIS

CASE NUMBER: 19810

SDG: ETD01

SAMPLE NUMBERS FOR PESTICIDE/PCB ANALYSIS:

ETD01, ETD02, ETD03, ETD04, ETD05, ETD06, ETD07, ETD08, ETD09,
ETD10, ETD11, ETD12, ETD17, ETD18, ETD19, ETD20, ETD21, ETD22,
ETD23, ETD09MS, ETD09MSD, ETD21MS, ETD21MSD

EPA-CLP CONTRACT NO.: 68-D1-0080

DATAKEM LABORATORIES

- I. SDG ETD01. DataChem Laboratories received twelve soil samples and seven water samples for case 19810 which were assigned sample delivery group ETD01.

- II. Pesticide/PCB Analysis.
 1. The Pesticide/PCB analysis was contracted to be analyzed and reported according to the 3/90 EPA-CLP statement of work.
 2. All of the contract requirements for standardization were met on both columns.
 3. No dilutions or special procedures were required. All QC parameters were within limits with the exception of some water sample surrogate recoveries. These are believed to be low due to a matrix effect. All samples were extracted and analyzed within holding times.
 4. Some soil samples showed evidence of sulfur contamination. No sulfur cleanups were performed because the contamination was not extensive, and there was not sufficient extract volumes to perform the sulfur cleanups without putting another aliquot through florisil.

- III. Matrix Spike and Matrix Spike Duplicate Analyses.
 1. The soil matrix spike and matrix spike duplicate were performed on sample ETD09. The water matrix spike and matrix spike duplicate were performed on sample ETD21.
 2. Quantities of 4,4'-DDD, 4,4'-DDE, endrin ketone, and endrin aldehyde reported for the spiked sample analyses could be due to breakdown of the spiked compounds 4,4'-DDT and endrin, and may not have been extracted from the sample matrix.

- IV. Pesticide Abbreviations. The abbreviations used by the computer are summarized below:

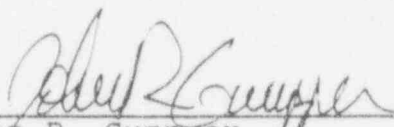
TOX for Toxaphene
HEPT EPOX for Heptachlor Epoxide
ENDO I for Endosulfan I
ENDO II for Endosulfan II

IV. Pesticide Abbreviations, continued.

END ALD for Endrin Aldehyde
G-CHLOR for Gamma Chlordane
A-CHLOR for Alpha Chlordane
ENDO SULF for Endosulfan Sulfate
END KET for Endrin Ketone
DCB for Decachlorobiphenyl
TCX for Tetrachloro-m-xylene
METHOX for Methoxychlor
HEPTA for Heptachlor
G-BHC for Gamma-BHC
A-BHC for Alpha-BHC
B-BHC for Beta-BHC
D-BHC for Delta-BHC

V. Certification.

I certify that this data package is in compliance with the terms and conditions of the contract both technically and for completeness except for other than the conditions detailed above. Release of the data contained in this hardcopy data package and in the computer-readable data submitted on diskette has been authorized by the Laboratory Manager or his designee and verified by the following signature.



John R. Gumpfer
Pesticide Section Manager

5-26-93
Date

2A
 WATER VOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: DATA CHEM LABS Contract: 68-D1-0080
 Lab Code: DATA C Case No.: 19810 SAS No.: _____ SDG No.: ETD01

	EPA SAMPLE NO.	SMC1 (TOL) #	SMC2 (BFB) #	SMC3 (DCE) #	OTHER	TOT OUT
	=====	=====	=====	=====	=====	=====
01	ETD17	100	101	101	0	0
02	ETD18	99	101	102	0	0
03	ETD19	99	101	103	0	0
04	ETD20	100	102	102	0	0
05	ETD21	99	101	103	0	0
06	ETD22	100	102	103	0	0
07	ETD23	99	101	104	0	0
08	ETD24	99	102	105	0	0
09	ETD21MS	99	101	102	0	0
10	ETD21MSD	99	101	102	0	0
11	VBLK03	100	101	96	0	0

QC LIMITS

SMC1 (TOL) = Toluene-d8 (88-110)
 SMC2 (BFB) = Bromofluorobenzene (86-115)
 SMC3 (DCE) = 1,2-Dichloroethane-d4 (76-114)

Column to be used to flag recovery values

* Values outside of contract required QC limits

D System Monitoring Compound diluted out

2B
SOIL VOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: DATA CHEM LABS Contract: 68-D1-0080
 Lab Code: DATA C Case No.: 19810 SAS No.: _____ SDG No.: ETD01
 Level: (low/med) LOW

	EPA SAMPLE NO.	SMC1 (TOL) #	SMC2 (BFB) #	SMC3 (DCE) #	OTHER	TOT OUT
01	ETD01	111	85	92	0	0
02	ETD02	110	80	88	0	0
03	ETD03	120	78	84	0	0
04	ETD04	106	92	78	0	0
05	ETD05	110	85	82	0	0
06	ETD06	108	82	97	0	0
07	ETD07	112	89	86	0	0
08	ETD08	117	82	83	0	0
09	ETD09	105	92	94	0	0
10	ETD10	112	81	80	0	0
11	ETD11	115	81	94	0	0
12	ETD12	103	81	96	0	0
13	ETD07MS	111	87	81	0	0
14	ETD07MSD	114	85	88	0	0
15	VBLK01	99	102	99	0	0
16	VBLK02	98	95	100	0	0
17	VBLK04	99	104	103	0	0

QC LIMITS

SMC1 (TOL) = Toluene-d8 (84-138)
 SMC2 (BFB) = Bromofluorobenzene (59-113)
 SMC3 (DCE) = 1,2-Dichloroethane-d4 (70-121)

Column to be used to flag recovery values

* Values outside of contract required QC limits

D System Monitoring Compound diluted out

WATER VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: DATA CHEM LABS Contract: 68-D1-0080
 Lab Code: DATA C Case No.: 19810 SAS No.: _____ SDG No.: ETD01
 Matrix Spike - EPA Sample No.: ETD21

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC #	QC LIMITS REC.
1,1-Dichloroethene	50.00	0	44.20	88	61-145
Trichloroethene	50.00	0	51.20	102	71-120
Benzene	50.00	0	50.40	101	76-127
Toluene	50.00	0	51.50	103	76-125
Chlorobenzene	50.00	0	52.90	106	75-130

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC #	% RPD #	QC LIMITS	
					RPD	REC.
1,1-Dichloroethene	50.00	42.20	84	5	14	61-145
Trichloroethene	50.00	50.00	100	2	14	71-120
Benzene	50.00	49.40	99	2	11	76-127
Toluene	50.00	50.00	100	3	13	76-125
Chlorobenzene	50.00	51.60	103	3	13	75-130

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

* Values outside of QC limits

RPD: 0 out of 5 outside limits

Spike Recovery: 0 out of 10 outside limits

COMMENTS:

SOIL VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: DATA CHEM LABS Contract: 68-D1-0080
 Lab Code: DATA C Case No.: 19810 SAS No.: _____ SDG No.: ETD01
 Matrix Spike - EPA Sample No.: ETD07 Level: (low/med) LOW

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC #	QC LIMITS REC.
1,1-Dichloroethene	89.30	0	79.64	89	59-172
Trichloroethene	89.30	0	85.54	96	62-137
Benzene	89.30	0	90.89	102	66-142
Toluene	89.30	0	99.28	111	59-139
Chlorobenzene	89.30	0	89.11	100	60-133

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC #	% RPD #	QC LIMITS RPD	REC.
1,1-Dichloroethene	89.30	82.86	93	4	22	59-172
Trichloroethene	89.30	79.82	89	8	24	62-137
Benzene	89.30	86.25	97	5	21	66-142
Toluene	89.30	97.32	109	2	21	59-139
Chlorobenzene	89.30	85.89	96	4	21	60-133

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

* Values outside of QC limits

RPD: 0 out of 5 outside limits

Spike Recovery: 0 out of 10 outside limits

COMMENTS: CLP13048 ETD07
5100-E CASE: 19810 SDG: ETD01

4A
VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VBLK01

Lab Name: DATA CHEM LABS Contract: 68-D1-0080
 Lab Code: DATA C Case No.: 19810 SAS No.: _____ SDG No.: ETD01
 Lab File ID: RJ23BLANK Lab Sample ID: MB-1
 Date Analyzed: 04/28/93 Time Analyzed: 1014
 GC Column: PACK ID: 2.00(mm) Heated Purge: (Y/N) Y
 Instrument ID: 5100-E

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

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	ETD01	CLP13042	RJ25CLP042	1253
02	ETD02	CLP13043	RJ26CLP043	1330
03	ETD03	CLP13044	RJ27CLP044	1407
04	ETD04	CLP13045	RJ31CLP045	1621
05	ETD05	CLP13046	RJ29CLP046	1514
06	ETD08	CLP13049	RJ32CLP049	1840
07	ETD10	CLP13051	RJ34CLP051	1937

COMMENTS: VBLK01 MB-1
5100-E CASE: 19810 SDG: ETD01

4A
VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VBLK02

Lab Name: DATA CHEM LABS Contract: 68-D1-0080
 Lab Code: DATA C Case No.: 19810 SAS No.: _____ SDG No.: ETD01
 Lab File ID: RJ58BLANK Lab Sample ID: MB-2
 Date Analyzed: 04/29/93 Time Analyzed: 1544
 GC Column: PACK ID: 2.00 (mm) Heated Purge: (Y/N) Y
 Instrument ID: 5100-E

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

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
	=====	=====	=====	=====
01	ETD06	CLP13047	RJ59CLP047	1621
02	ETD09	CLP13050	RJ60CLP050	1658
03	ETD11	CLP13052	RJ61CLP052	1731
04	ETD12	CLP13053	RJ62CLP053	1806

COMMENTS: VBLK02 MB-2
 5100-E CASE: 19810 SDG: ETD01

4A
VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VBLK03

Lab Name: DATA CHEM LABS Contract: 68-D1-0080
 Lab Code: DATA C Case No.: 19810 SAS No.: _____ SDG No.: ETD01
 Lab File ID: AP47BLK Lab Sample ID: MB-3
 Date Analyzed: 04/30/93 Time Analyzed: 1415
 GC Column: CAP ID: 0.530(mm) Heated Purge: (Y/N) N
 Instrument ID: 5971-M

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

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
	=====	=====	=====	=====
01	ETD17	CLP13060	AP54C060	1759
02	ETD18	CLP13061	AP55C061	1830
03	ETD19	CLP13062	AP56C062	1901
04	ETD20	CLP13063	AP57C063	1933
05	ETD21	CLP13064	AP58C064	2004
06	ETD22	CLP13065	AP59C065	2036
07	ETD23	CLP13066	AP60C066	2107
08	ETD24	CLP13067	AP61C067	2138
09	ETD21MS	CLP13064MS	AP62S064	2308
10	ETD21MSD	CLP13064MSD	AP63D064	2339

COMMENTS: VBLK03 MB-3
 5971-M CASE: 19810 SDG: ETD01

4A
VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VBLK04

Lab Name: DATA CHEM LABS Contract: 68-D1-0080
 Lab Code: DATA C Case No.: 19810 SAS No.: _____ SDG No.: ETD01
 Lab File ID: RJ96BLANK Lab Sample ID: MB-4
 Date Analyzed: 05/01/93 Time Analyzed: 1316
 GC Column: PACK ID: 2.00(mm) Heated Purge: (Y/N) Y
 Instrument ID: 5100-E

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

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
	=====	=====	=====	=====
01	ETD07	CLP13048	RJ98CLP048	1425
02	ETD07MS	CLP13048MS	RK05C048MS	1815
03	ETD07MSD	CLP13048MSD	RK06C048MD	1850

COMMENTS: VBLK04 MB-4
5100-E CASE: 19810 SDG: ETD01

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLK01

Lab Name: DATA CHEM LABS Contract: 68-D1-0080

Lab Code: DATA C Case No.: 19810 SAS No.: _____ SDG No.: ETD01

Matrix: (soil/water) SOIL Lab Sample ID: MB-1

Sample wt/vol: 5.0 (g/mL) G Lab File ID: RJ23BLANK

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 04/28/93

GC Column: PACK ID: 2.00 (mm) Dilution Factor: 1.0

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

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

CAS NO. COMPOUND Q

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

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

VBLK01

Lab Name: DATA CHEM LABS Contract: 68-D1-0080
 Lab Code: DATA C Case No.: 19810 SAS No.: _____ SDG No.: ETD01
 Matrix: (soil/water) SOIL Lab Sample ID: MB-1
 Sample wt/vol: 5.0 (g/mL) G Lab File ID: RJ23BLANK
 Level: (low/med) LOW Date Received: _____
 % Moisture: not dec. _____ Date Analyzed: 04/28/93
 GC Column: PACK ID: 2.00 (mm) Dilution Factor: 1.0
 Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

Number TICs found: 0

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

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

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLK02

Lab Name: DATA CHEM LABS Contract: 68-D1-0080
 Lab Code: DATA C Case No.: 19810 SAS No.: _____ SDG No.: ETD01
 Matrix: (soil/water) SOIL Lab Sample ID: MB-2
 Sample wt/vol: 5.0 (g/mL) G Lab File ID: RJ58BLANK
 Level: (low/med) LOW Date Received: _____
 % Moisture: not dec. _____ Date Analyzed: 04/29/93
 GC Column: PACK ID: 2.00 (mm) Dilution Factor: 1.0
 Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

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

74-87-3	-----Chloromethane	10	U
74-83-9	-----Bromomethane	10	U
75-01-4	-----Vinyl Chloride	10	U
75-00-3	-----Chloroethane	10	U
75-09-2	-----Methylene Chloride	3	J
67-64-1	-----Acetone	7	J
75-15-0	-----Carbon Disulfide	10	U
75-35-4	-----1,1-Dichloroethene	10	U
75-34-3	-----1,1-Dichloroethane	10	U
540-59-0	-----1,2-Dichloroethene (total)	10	U
67-66-3	-----Chloroform	10	U
107-06-2	-----1,2-Dichloroethane	10	U
78-93-3	-----2-Butanone	10	U
71-55-6	-----1,1,1-Trichloroethane	10	U
56-23-5	-----Carbon Tetrachloride	10	U
75-27-4	-----Bromodichloromethane	10	U
78-87-5	-----1,2-Dichloropropane	10	U
10061-01-5	-----cis-1,3-Dichloropropene	10	U
79-01-6	-----Trichloroethene	10	U
124-48-1	-----Dibromochloromethane	10	U
79-00-5	-----1,1,2-Trichloroethane	10	U
71-43-2	-----Benzene	10	U
10061-02-6	-----trans-1,3-Dichloropropene	10	U
75-25-2	-----Bromoform	10	U
108-10-1	-----4-Methyl-2-Pentanone	10	U
591-78-6	-----2-Hexanone	10	U
127-18-4	-----Tetrachloroethene	10	U
79-34-5	-----1,1,2,2-Tetrachloroethane	10	U
108-88-3	-----Toluene	10	U
108-90-7	-----Chlorobenzene	10	U
100-41-4	-----Ethylbenzene	10	U
100-42-5	-----Styrene	10	U
1330-20-7	-----Xylene (total)	10	U

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1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

VBLK02

Lab Name: DATA CHEM LABS Contract: 68-D1-0080
 Lab Code: DATA C Case No.: 19810 SAS No.: _____ SDG No.: ETD01
 Matrix: (soil/water) SOIL Lab Sample ID: MB-2
 Sample wt/vol: 5.0 (g/mL) G Lab File ID: RJ58BLANK
 Level: (low/med) LOW Date Received: _____
 % Moisture: not dec. _____ Date Analyzed: 04/29/93
 GC Column: PACK ID: 2.00 (mm) Dilution Factor: 1.0
 Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

Number TICs found: 0

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

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

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLK03

Lab Name: DATA CHEM LABS Contract: 68-D1-0080

Lab Code: DATA C Case No.: 19810 SAS No.: _____ SDG No.: ETD01

Matrix: (soil/water) WATER Lab Sample ID: MB-3

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: AP47BLK

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 04/30/93

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

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

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

CAS NO.	COMPOUND	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	10	U
75-35-4	1,1-Dichloroethene	10	U
75-34-3	1,1-Dichloroethane	10	U
540-59-0	1,2-Dichloroethene (total)	10	U
67-66-3	Chloroform	10	U
107-06-2	1,2-Dichloroethane	10	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	10	U
56-23-5	Carbon Tetrachloride	10	U
75-27-4	Bromodichloromethane	10	U
78-87-5	1,2-Dichloropropane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
79-01-6	Trichloroethene	10	U
124-48-1	Dibromochloromethane	10	U
79-00-5	1,1,2-Trichloroethane	10	U
71-43-2	Benzene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
75-25-2	Bromoform	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethane	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
108-88-3	Toluene	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
100-42-5	Styrene	10	U
1330-20-7	Xylene (total)	10	U

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1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

VBLK03

Lab Name: DATA CHEM LABS

Contract: 68-D1-0080

Lab Code: DATA C Case No.: 19810

SAS No.: _____ SDG No.: ETD01

Matrix: (soil/water) WATER

Lab Sample ID: MB-3

Sample wt/vol: 5.0 (g/mL) ML

Lab File ID: AP47BLK

Level: (low/med) LOW

Date Received: _____

% Moisture: not dec. _____

Date Analyzed: 04/30/93

GC Column: CAP ID: 0.530 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 0

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

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

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLK04

Lab Name: DATA CHEM LABS Contract: 68-D1-0080
 Lab Code: DATA C Case No.: 19810 SAS No.: _____ SDG No.: ETD01
 Matrix: (soil/water) SOIL Lab Sample ID: MB-4
 Sample wt/vol: 5.0 (g/mL) G Lab File ID: RJ96BLANK
 Level: (low/med) LOW Date Received: _____
 % Moisture: not dec. _____ Date Analyzed: 05/01/93
 GC Column: PACK ID: 2.00 (mm) Dilution Factor: 1.0
 Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

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

74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	2	J
67-64-1	Acetone	5	J
75-15-0	Carbon Disulfide	10	U
75-35-4	1,1-Dichloroethene	10	U
75-34-3	1,1-Dichloroethane	10	U
540-59-0	1,2-Dichloroethene (total)	10	U
67-66-3	Chloroform	10	U
107-06-2	1,2-Dichloroethane	10	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	10	U
56-23-5	Carbon Tetrachloride	10	U
75-27-4	Bromodichloromethane	10	U
78-87-5	1,2-Dichloropropane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
79-01-6	Trichloroethene	10	U
124-48-1	Dibromochloromethane	10	U
79-00-5	1,1,2-Trichloroethane	10	U
71-43-2	Benzene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
75-25-2	Bromoform	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
108-88-3	Toluene	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
100-42-5	Styrene	10	U
1330-20-7	Xylene (total)	10	U

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

VBLK04

Lab Name: DATA CHEM LABS

Contract: 68-D1-0080

Lab Code: DATA C Case No.: 19810

SAS No.: _____ SDG No.: ETD01

Matrix: (soil/water) SOIL

Lab Sample ID: MB-4

Sample wt/vol: 5.0 (g/mL) G

Lab File ID: RJ96BLANK

Level: (low/med) LOW

Date Received: _____

% Moisture: not dec. _____

Date Analyzed: 05/01/93

GC Column: PACK ID: 2.00 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 0

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

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

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

ETD01

Lab Name: DATA CHEM LABS Contract: 68-D1-0080

Lab Code: DATA C Case No.: 19810 SAS No.: _____ SDG No.: ETD01

Matrix: (soil/water) SOIL Lab Sample ID: CLP13042

Sample wt/vol: 5.0 (g/mL) G Lab File ID: RJ25CLP042

Level: (low/med) LOW Date Received: 04/21/93

% Moisture: not dec. 37 Date Analyzed: 04/28/93

GC Column: PACK ID: 2.00 (mm) Dilution Factor: 1.0

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

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

74-87-3	-----Chloromethane	16	U
74-83-9	-----Bromomethane	16	U
75-01-4	-----Vinyl Chloride	16	U
75-00-3	-----Chloroethane	16	U
75-09-7	-----Methylene Chloride	4	BJU
67-64-1	-----Acetone	21	BU 3
75-15-0	-----Carbon Disulfide	16	U
75-35-4	-----1,1-Dichloroethene	16	U
75-34-3	-----1,1-Dichloroethane	16	U
540-59-0	-----1,2-Dichloroethene (total)	16	U
67-66-3	-----Chloroform	16	U
107-06-2	-----1,2-Dichloroethane	16	U
78-93-3	-----2-Butanone	16	U
71-55-6	-----1,1,1-Trichloroethane	16	U
56-23-5	-----Carbon Tetrachloride	16	U
75-27-4	-----Bromodichloromethane	16	U
78-87-5	-----1,2-Dichloropropane	16	U
10061-01-5	-----cis-1,3-Dichloropropene	16	U
79-01-6	-----Trichloroethene	16	U
124-48-1	-----Dibromochloromethane	16	U
79-00-5	-----1,1,2-Trichloroethane	16	U
71-43-2	-----Benzene	16	U
10061-02-6	-----trans-1,3-Dichloropropene	16	U
75-25-2	-----Bromoform	16	U
108-10-1	-----4-Methyl-2-Pentanone	16	U
591-78-6	-----2-Hexanone	16	U
127-18-4	-----Tetrachloroethene	16	U
79-34-5	-----1,1,2,2-Tetrachloroethane	16	U
108-88-3	-----Toluene	16	U
108-90-7	-----Chlorobenzene	16	U
100-41-4	-----Ethylbenzene	16	U
100-42-5	-----Styrene	16	U
1330-20-7	-----Xylene (total)	16	U

SRS
6/16/93

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

ETD01

Lab Name: DATA CHEM LABS

Contract: 68-D1-0080

Lab Code: DATA C

Case No.: 19810

SAS No.: _____

SDG No.: ETD01

Matrix: (soil/water) SOIL

Lab Sample ID: CLP13042

Sample wt/vol: 5.0 (g/mL) G

Lab File ID: RJ25CLP042

Level: (low/med) LOW

Date Received: 04/21/93

% Moisture: not dec. 37

Date Analyzed: 04/28/93

GC Column: PACK ID: 2.00 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 0

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

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

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

ETD02

Lab Name: DATA CHEM LABS Contract: 68-D1-0080

Lab Code: DATA C Case No.: 19810 SAS No.: _____ SDG No.: ETD01

Matrix: (soil/water) SOIL Lab Sample ID: CLP13043

Sample wt/vol: 5.0 (g/mL) G Lab File ID: RJ26CLP043

Level: (low/med) LOW Date Received: 04/21/93

‡ Moisture: not dec. 49 Date Analyzed: 04/28/93

GC Column: PACK ID: 2.00 (mm) Dilution Factor: 1.0

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

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

CAS NO. COMPOUND Q

CAS NO.	COMPOUND	Q
74-87-3	Chloromethane	20 U
74-83-9	Bromomethane	20 U
75-01-4	Vinyl Chloride	20 U
75-00-3	Chloroethane	20 U
75-09-2	Methylene Chloride	5 BJ4
67-64-1	Acetone	20 U
75-15-0	Carbon Disulfide	20 U
75-35-4	1,1-Dichloroethene	20 U
75-34-3	1,1-Dichloroethane	20 U
540-59-0	1,2-Dichloroethene (total)	20 U
67-66-3	Chloroform	20 U
107-06-2	1,2-Dichloroethane	20 U
78-93-3	2-Butanone	20 U
71-55-6	1,1,1-Trichloroethane	20 U
56-23-5	Carbon Tetrachloride	20 U
75-27-4	Bromodichloromethane	20 U
78-87-5	1,2-Dichloropropane	20 U
10061-01-5	cis-1,3-Dichloropropene	20 U
79-01-6	Trichloroethene	20 U
124-48-1	Dibromochloromethane	20 U
79-00-5	1,1,2-Trichloroethane	20 U
71-43-2	Benzene	20 U
10061-02-6	trans-1,3-Dichloropropene	20 U
75-25-2	Bromoform	20 U
108-10-1	4-Methyl-2-Pentanone	20 U
591-78-6	2-Hexanone	20 U
127-18-4	Tetrachloroethene	20 U
79-34-5	1,1,2,2-Tetrachloroethane	20 U
108-88-3	Toluene	2 J-
108-90-7	Chlorobenzene	20 U
100-41-4	Ethylbenzene	20 U
100-42-5	Styrene	20 U
1330-20-7	Xylene (total)	20 U

SRS
6/10/93

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

ETD02

Lab Name: DATA CHEM LABS Contract: 68-D1-0080
 Lab Code: DATA C Case No.: 19810 SAS No.: _____ SDG No.: ETD01
 Matrix: (soil/water) SOIL Lab Sample ID: CLP13043
 Sample wt/vol: 5.0 (g/mL) G Lab File ID: RJ26CLP043
 Level: (low/med) LOW Date Received: 04/21/93
 % Moisture: not dec. 49 Date Analyzed: 04/28/93
 GC Column: PACK ID: 2.00 (mm) Dilution Factor: 1.0
 Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

Number TICs found: 1

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 624-92-0	DISULFIDE, DIMETHYL	13.55	9	JN

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

ETD03

Lab Name: DATA CHEM LABS Contract: 68-D1-0080

Lab Code: DATA C Case No.: 19810 SAS No.: _____ SDG No.: ETD01

Matrix: (soil/water) SOIL Lab Sample ID: CLP13044

Sample wt/vol: 5.0 (g/mL) G Lab File ID: RJ27CLP044

Level: (low/med) LOW Date Received: 04/21/93

% Moisture: not dec. 28 Date Analyzed: 04/28/93

GC Column: PACK ID: 2.00 (mm) Dilution Factor: 1.0

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

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

CAS NO. COMPOUND Q

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/KG</u>	Q
74-87-3	-----Chloromethane	14	U
74-83-9	-----Bromomethane	14	U
75-01-4	-----Vinyl Chloride	14	U
75-00-3	-----Chloroethane	14	U
75-09-2	-----Methylene Chloride	4	BJU
67-64-1	-----Acetone	20	B4
75-15-0	-----Carbon Disulfide	14	U
75-35-4	-----1,1-Dichloroethene	14	U
75-34-3	-----1,1-Dichloroethane	14	U
540-59-0	-----1,2-Dichloroethene (total)	14	U
67-66-3	-----Chloroform	14	U
107-06-2	-----1,2-Dichloroethane	14	U
78-93-3	-----2-Butanone	14	U
71-55-6	-----1,1,1-Trichloroethane	14	U
56-23-5	-----Carbon Tetrachloride	14	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	14	U
124-48-1	-----Dibromochloromethane	14	U
79-00-5	-----1,1,2-Trichloroethane	14	U
71-43-2	-----Benzene	14	U
10061-02-6	-----trans-1,3-Dichloropropene	14	U
75-25-2	-----Bromoform	14	U
108-10-1	-----4-Methyl-2-Pentanone	14	U
591-78-6	-----2-Hexanone	14	U
127-18-4	-----Tetrachloroethene	14	U
79-34-5	-----1,1,2,2-Tetrachloroethane	14	U
108-88-3	-----Toluene	14	U
108-90-7	-----Chlorobenzene	14	U
100-41-4	-----Ethylbenzene	14	U
100-42-5	-----Styrene	14	U
1330-20-7	-----Xylene (total)	14	U

SP-3
6/16/93

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

ETD03

Lab Name: DATA CHEM LABS Contract: 68-D1-0080
 Lab Code: DATA C Case No.: 19810 SAS No.: _____ SDG No.: ETD01
 Matrix: (soil/water) SOIL Lab Sample ID: CLP13044
 Sample wt/vol: 5.0 (g/mL) G Lab File ID: RJ27CLP044
 Level: (low/med) LOW Date Received: 04/21/93
 % Moisture: not dec. 28 Date Analyzed: 04/28/93
 GC Column: PACK ID: 2.00 (mm) Dilution Factor: 1.0
 Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

Number TICs found: 0

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

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

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

ETD04

Lab Name: DATA CHEM LABS Contract: 68-D1-0080

Lab Code: DATA C Case No.: 19810 SAS No.: _____ SDG No.: ETD01

Matrix: (soil/water) SOIL Lab Sample ID: CLP13045

Sample wt/vol: 5.0 (g/mL) G Lab File ID: RJ31CLP045

Level: (low/med) LOW Date Received: 04/21/93

% Moisture: not dec. 50 Date Analyzed: 04/28/93

GC Column: PACK ID: 2.00 (mm) Dilution Factor: 1.0

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

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

74-87-3	Chloromethane	20	U
74-83-9	Bromomethane	20	U
75-01-4	Vinyl Chloride	20	U
75-00-3	Chloroethane	20	U
75-09-2	Methylene Chloride	4	BJU
67-64-1	Acetone	20	U
75-15-0	Carbon Disulfide	20	U
75-35-4	1,1-Dichloroethene	20	U
75-34-3	1,1-Dichloroethane	20	U
540-59-0	1,2-Dichloroethene (total)	20	U
67-66-3	Chloroform	20	U
107-06-2	1,2-Dichloroethane	20	U
78-93-3	2-Butanone	20	U
71-55-6	1,1,1-Trichloroethane	20	U
56-23-5	Carbon Tetrachloride	20	U
75-27-4	Bromodichloromethane	20	U
78-87-5	1,2-Dichloropropane	20	U
10061-01-5	cis-1,3-Dichloropropene	20	U
79-01-6	Trichloroethene	20	U
124-48-1	Dibromochloromethane	20	U
79-00-5	1,1,2-Trichloroethane	20	U
71-43-2	Benzene	20	U
10061-02-6	trans-1,3-Dichloropropene	20	U
75-25-2	Bromoform	20	U
108-10-1	4-Methyl-2-Pentanone	20	U
591-78-6	2-Hexanone	20	U
127-18-4	Tetrachloroethene	20	U
79-34-5	1,1,2,2-Tetrachloroethane	20	U
108-88-3	Toluene	20	U
108-90-7	Chlorobenzene	20	U
100-41-4	Ethylbenzene	20	U
100-42-5	Styrene	20	U
1330-20-7	Xylene (total)	20	U

SFS
6/16/93

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

ETD04

Lab Name: DATA CHEM LABS Contract: 68-D1-0080
 Lab Code: DATA C Case No.: 19810 SAS No.: _____ SDG No.: ETD01
 Matrix: (soil/water) SOIL Lab Sample ID: CLP13045
 Sample wt/vol: 5.0 (g/mL) G Lab File ID: RJ31CLP045
 Level: (low/med) LOW Date Received: 04/21/93
 % Moisture: not dec. 50 Date Analyzed: 04/28/93
 GC Column: PACK ID: 2.00 (mm) Dilution Factor: 1.0
 Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

Number TICs found: 1

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 75-18-3	METHANE, THIOBIS-	4.30	18	JN

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

ETD05

Lab Name: DATA CHEM LABS Contract: 68-D1-0080

Lab Code: DATA C Case No.: 19810 SAS No.: _____ SDG No.: ETD01

Matrix: (soil/water) SOIL Lab Sample ID: CLP13046

Sample wt/vol: 5.0 (g/mL) G Lab File ID: RJ29CLP046

Level: (low/med) LOW Date Received: 04/21/93

% Moisture: not dec. 30 Date Analyzed: 04/23/93

GC Column: PACK ID: 2.00 (mm) Dilution Factor: 1.0

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

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

74-87-3	-----Chloromethane	14	U
74-83-9	-----Bromomethane	14	U
75-01-4	-----Vinyl Chloride	14	U
75-00-3	-----Chloroethane	14	U
75-09-2	-----Methylene Chloride	3	BJU
67-64-1	-----Acetone	16	BU
75-15-0	-----Carbon Disulfide	14	U
75-35-4	-----1,1-Dichloroethene	14	U
75-34-3	-----1,1-Dichloroethane	14	U
540-59-0	-----1,2-Dichloroethene (total)	14	U
67-66-3	-----Chloroform	14	U
107-06-2	-----1,2-Dichloroethane	14	U
78-93-3	-----2-Butanone	14	U
71-55-6	-----1,1,1-Trichloroethane	14	U
56-23-5	-----Carbon Tetrachloride	14	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	14	U
124-48-1	-----Dibromochloromethane	14	U
79-00-5	-----1,1,2-Trichloroethane	14	U
71-43-2	-----Benzene	14	U
10061-02-6	-----trans-1,3-Dichloropropene	14	U
75-25-2	-----Bromoform	14	U
108-10-1	-----4-Methyl-2-Pentanone	14	U
591-78-6	-----2-Hexanone	14	U
127-18-4	-----Tetrachloroethene	14	U
79-34-5	-----1,1,2,2-Tetrachloroethane	14	U
108-88-3	-----Toluene	14	U
108-90-7	-----Chlorobenzene	14	U
100-41-4	-----Ethylbenzene	14	U
100-42-5	-----Styrene	14	U
1330-20-7	-----Xylene (total)	14	U

SES
6/16/93

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

ETD05

Lab Name: DATA CHEM LABS

Contract: 68-D1-0080

Lab Code: DATA C Case No.: 19810

SAS No.: _____ SDG No.: ETD01

Matrix: (soil/water) SOIL

Lab Sample ID: CLP13046

Sample wt/vol: 5.0 (g/mL) G

Lab File ID: RJ29CLP046

Level: (low/med) LOW

Date Received: 04/21/93

% Moisture: not dec. 30

Date Analyzed: 04/28/93

GC Column: PACK ID: 2.00 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 0

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

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

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

ETD06

Lab Name: DATA CHEM LABS Contract: 68-D1-0080

Lab Code: DATA C Case No.: 19810 SAS No.: _____ SDG No.: ETD01

Matrix: (soil/water) SOIL Lab Sample ID: CLP13047

Sample wt/vol: 5.0 (g/mL) G Lab File ID: RJ59CLP047

Level: (low/med) LOW Date Received: 04/21/93

% Moisture: not dec. 51 Date Analyzed: 04/29/93

GC Column: PACK ID: 2.00 (mm) Dilution Factor: 1.0

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

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

CAS NO. COMPOUND Q

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/KG</u>	Q
74-87-3	Chloromethane	20	U
74-83-9	Bromomethane	20	U
75-01-4	Vinyl Chloride	20	U
75-00-3	Chloroethane	20	U
75-09-2	Methylene Chloride	6	BJU
67-64-1	Acetone	34	BU
75-15-0	Carbon Disulfide	20	U
75-35-4	1,1-Dichloroethene	20	U
75-34-3	1,1-Dichloroethane	20	U
540-59-0	1,2-Dichloroethene (total)	20	U
67-66-3	Chloroform	20	U
107-06-2	1,2-Dichloroethane	20	U
78-93-3	2-Butanone	20	U
71-55-6	1,1,1-Trichloroethane	20	U
56-23-5	Carbon Tetrachloride	20	U
75-27-4	Bromodichloromethane	20	U
78-87-5	1,2-Dichloropropane	20	U
10061-01-5	cis-1,3-Dichloropropene	20	U
79-01-6	Trichloroethene	20	U
124-48-1	Dibromochloromethane	20	U
79-00-5	1,1,2-Trichloroethane	20	U
71-43-2	Benzene	20	U
10061-02-6	trans-1,3-Dichloropropene	20	U
75-25-2	Bromoform	20	U
108-10-1	4-Methyl-2-Pentanone	20	U
591-78-6	2-Hexanone	20	U
127-18-4	Tetrachloroethene	20	U
79-34-5	1,1,2,2-Tetrachloroethane	20	U
108-88-3	Toluene	1	J-
108-90-7	Chlorobenzene	20	U
100-41-4	Ethylbenzene	0.1	J-
100-42-5	Styrene	20	U
1330-20-7	Xylene (total)	20	U

SRS
6/16/93

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1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

ETD06

Lab Name: DATA CHEM LABS

Contract: 68-D1-0080

Lab Code: DATA C Case No.: 19810

SAS No.: _____ SDG No.: ETD01

Matrix: (soil/water) SOIL

Lab Sample ID: CLP13047

Sample wt/vol: 5.0 (g/mL) G

Lab File ID: RJ59CLP047

Level: (low/med) LOW

Date Received: 04/21/93

% Moisture: not dec. 51

Date Analyzed: 04/29/93

GC Column: PACK ID: 2.00 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

ETD07

Lab Name: DATA CHEM LABS Contract: 68-D1-0080
 Lab Code: DATA C Case No.: 19810 SAS No.: _____ SDG No.: ETD01
 Matrix: (soil/water) SOIL Lab Sample ID: CLP13048
 Sample wt/vol: 5.0 (g/mL) G Lab File ID: RJ98CLP048
 Level: (low/med) LOW Date Received: 04/21/93
 % Moisture: not dec. 44 Date Analyzed: 05/01/93
 GC Column: PACK ID: 2.00 (mm) Dilution Factor: 1.0
 Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

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

CAS NO. COMPOUND Q

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

SRS
6/16/93

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

ETD07

Lab Name: DATA CHEM LABS Contract: 68-D1-0080
Lab Code: DATA C Case No.: 19810 SAS No.: _____ SDG No.: ETD01
Matrix: (soil/water) SOIL Lab Sample ID: CLP13048
Sample wt/vol: 5.0 (g/mL) G Lab File ID: RJ98CLP048
Level: (low/med) LOW Date Received: 04/21/93
% Moisture: not dec. 44 Date Analyzed: 05/01/93
GC Column: PACK ID: 2.00 (mm) Dilution Factor: 1.0
Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

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

Number TICs found: 0

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

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

FTD08

Lab Name: DATA CHEM LABS Contract: 68-D1-0080

Lab Code: DATA C Case No.: 19810 SAS No.: _____ SIG No.: ETD01

Matrix: (soil/water) SOIL Lab Sample ID: CLP13049

Sample wt/vol: 5.0 (g/mL) G Lab File ID: RJ32CLP049

Level: (low/med) LOW Date Received: 04/21/93

% Moisture: not dec. 46 Date Analyzed: 04/28/93

GC Column: PACK ID: 2.00 (mm) Dilution Factor: 1.0

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

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

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

SPS
6/16/93

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1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

ETD08

Lab Name: DATA CHEM LABS

Contract: 68-D1-0080

Lab Code: DATA C Case No.: 19810

SAS No.: _____ SDG No.: ETD01

Matrix: (soil/water) SOIL

Lab Sample ID: CLP13049

Sample wt/vol: 5.0 (g/mL) G

Lab File ID: RJ32CLP049

Level: (low/med) LOW

Date Received: 04/21/93

% Moisture: not dec. 46

Date Analyzed: 04/28/93

GC Column: PACK ID: 2.00 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 2

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 75-18-3	METHANE, THIOBIS- DISULFIDE, DIMETHYL	4.30	80	JN
2. 624-92-0		13.55	26	JN

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

ETD09

Lab Name: DATA CHEM LABS Contract: 68-D1-0080

Lab Code: DATA C Case No.: 19810 SAS No.: _____ SDG No.: ETD01

Matrix: (soil/water) SOIL Lab Sample ID: CLP13050

Sample wt/vol: 5.0 (g/mL) G Lab File ID: RJ60CLP050

Level: (low/med) LOW Date Received: 04/21/93

% Moisture: not dec. 23 Date Analyzed: 04/29/93

GC Column: PACK ID: 2.00 (mm) Dilution Factor: 1.0

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

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

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6/16/93

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1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.
ETD09

Lab Name: DATA CHEM LABS Contract: 68-D1-0080
 Lab Code: DATA C Case No.: 19810 SAS No.: _____ SDG No.: ETD01
 Matrix: (soil/water) SOIL Lab Sample ID: CLP13050
 Sample wt/vol: 5.0 (g/mL) G Lab File ID: RJ60CLP050
 Level: (low/med) LOW Date Received: 04/21/93
 % Moisture: not dec. 23 Date Analyzed: 04/29/93
 GC Column: PACK ID: 2.00 (mm) Dilution Factor: 1.0
 Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

Number TICs found: 2

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	C9 HYDROCARBON-UNSATURATED	26.30	7	J
2.	C10 CYCLIC-HYDROCARBON	27.45	9	J

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

ETD10

Lab Name: DATA CHEM LABS Contract: 68-D1-0080

Lab Code: AC Case No.: 9810 SAS No.: _____ SDG No.: ETD01

Matrix: (soil/water) SOIL Lab Sample ID: CLP13051

Sample wt/vol: 5.0 (g/mL) G Lab File ID: RJ34CLP051

Level: (low/med) LOW Date Received: 04/21/93

% Moisture: not dec. 86 Date Analyzed: 04/28/93

GC Column: PACK ID: 2.00 (mm) Dilution Factor: 1.0

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

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

74-87-3	Chloromethane	71	U
74-83-9	Bromomethane	71	U
75-01-4	Vinyl Chloride	71	U
75-00-3	Chloroethane	71	U
75-09-2	Methylene Chloride	16	BJU
67-64-1	Acetone	71	U
75-15-0	Carbon Disulfide	71	U
75-35-4	1,1-Dichloroethene	71	U
75-34-3	1,1-Dichloroethane	71	U
540-59-0	1,2-Dichloroethene (total)	71	U
67-66-3	Chloroform	71	U
107-06-2	1,2-Dichloroethane	71	U
78-93-3	2-Butanone	71	U
71-55-6	1,1,1-Trichloroethane	71	U
56-23-5	Carbon Tetrachloride	71	U
75-27-4	Bromodichloromethane	71	U
78-87-5	1,2-Dichloropropane	71	U
10061-01-5	cis-1,3-Dichloropropene	71	U
79-01-6	Trichloroethene	71	U
124-48-1	Dibromochloromethane	71	U
79-00-5	1,1,2-Trichloroethane	71	U
71-43-2	Benzene	71	U
10061-02-6	trans-1,3-Dichloropropene	71	U
75-25-2	Bromoform	71	U
108-10-1	4-Methyl-2-Pentanone	71	U
591-78-6	2-Hexanone	71	U
127-18-4	Tetrachloroethene	71	U
79-34-5	1,1,2,2-Tetrachloroethane	71	U
108-88-3	Toluene	71	U
108-90-7	Chlorobenzene	71	U
100-41-4	Ethylbenzene	71	U
100-42-5	Styrene	71	U
1330-20-7	Xylene (total)	71	U

SES
6/16/93

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

ETD10

Lab Name: DATA CHEM LABS Contract: 68-D1-0080
 Lab Code: DATA C Case No.: 19810 SAS No.: _____ SDG No.: ETD01
 Matrix: (soil/water) SOIL Lab Sample ID: CLP13051
 Sample wt/vol: 5.0 (g/mL) G Lab File ID: RJ34CLP051
 Level: (low/med) LOW Date Received: 04/21/93
 % Moisture: not dec. 86 Date Analyzed: 04/28/93
 GC Column: PACK ID: 2.00 (mm) Dilution Factor: 1.0
 Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

Number TICs found: 0

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

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

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

ETD11

Lab Name: DATA CHEM LABS

Contract: 68-D1-0080

Lab Code: DATA C

Case No.: 19810

SAS No.: _____

SDG No.: ETD01

Matrix: (soil/water) SOIL

Lab Sample ID: CLP13052

Sample wt/vol: 5.0 (g/mL) G

Lab File ID: RJ61CLP052

Level: (low/med) LOW

Date Received: 04/21/93

% Moisture: not dec. 55

Date Analyzed: 04/29/93

GC Column: PACK ID: 2.00 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

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

74-87-3	Chloromethane	22	U
74-83-9	Bromomethane	22	U
75-01-4	Vinyl Chloride	22	U
75-00-3	Chloroethane	22	U
75-09-2	Methylene Chloride	7	BJU
67-64-1	Acetone	22	BJU
75-15-0	Carbon Disulfide	22	U
75-35-4	1,1-Dichloroethene	22	U
75-34-3	1,1-Dichloroethane	22	U
540-59-0	1,2-Dichloroethene (total)	22	U
67-66-3	Chloroform	22	U
107-06-2	1,2-Dichloroethane	22	U
78-93-3	2-Butanone	22	U
71-55-6	1,1,1-Trichloroethane	22	U
56-23-5	Carbon Tetrachloride	22	U
75-27-4	Bromodichloromethane	22	U
78-87-5	1,2-Dichloropropane	22	U
10061-01-5	cis-1,3-Dichloropropene	22	U
79-01-6	Trichloroethene	22	U
124-48-1	Dibromochloromethane	22	U
79-00-5	1,1,2-Trichloroethane	22	U
71-43-2	Benzene	22	U
10061-02-6	trans-1,3-Dichloropropene	22	U
75-25-2	Bromoform	22	U
108-10-1	4-Methyl-2-Pentanone	22	U
591-78-6	2-Hexanone	22	U
127-18-4	Tetrachloroethene	22	U
79-34-5	1,1,2,2-Tetrachloroethane	22	U
108-88-3	Toluene	22	U
108-90-7	Chlorobenzene	22	U
100-41-4	Ethylbenzene	22	U
100-42-5	Styrene	22	U
1330-20-7	Xylene (total)	22	U

SRS
4/16/93

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

ETD11

Lab Name: DATA CHEM LABS Contract: 68-D1-0080
 Lab Code: DATA C Case No.: 19810 SAS No.: _____ SDG No.: ETD01
 Matrix: (soil/water) SOIL Lab Sample ID: CLP13052
 Sample wt/vol: 5.0 (g/mL) G Lab File ID: RJ61CLP052
 Level: (low/med) LOW Date Received: 04/21/93
 % Moisture: not dec. 55 Date Analyzed: 04/29/93
 GC Column: PACK ID: 2.00 (mm) Dilution Factor: 1.0
 Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

Number TICs found: 1

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	C9-HYDROCARBON	26.25	150	J

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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

ETD12

Lab Name: DATA CHEM LABS

Contract: 68-D1-0080

Lab Code: DATA C

Case No.: 19810

SAS No.: _____

SDG No.: ETD01

Matrix: (soil/water) SOIL

Lab Sample ID: CLP13053

Sample wt/vol: 5.0 (g/mL) G

Lab File ID: RJ62CLP053

Level: (low/med) LOW

Date Received: 04/21/93

% Moisture: not dec. 81

Date Analyzed: 04/29/93

GC Column: PACK ID: 2.00 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

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

74-87-3	-----Chloromethane	53	U
74-83-9	-----Bromomethane	53	U
75-01-4	-----Vinyl Chloride	53	U
75-00-3	-----Chloroethane	53	U
75-09-2	-----Methylene Chloride	18	BJU
67-64-1	-----Acetone	49	BJU
75-15-0	-----Carbon Disulfide	53	U
75-35-4	-----1,1-Dichloroethene	53	U
75-34-3	-----1,1-Dichloroethane	53	U
540-59-0	-----1,2-Dichloroethene (total)	53	U
67-66-3	-----Chloroform	53	U
107-06-2	-----1,2-Dichloroethane	53	U
78-93-3	-----2-Butanone	53	U
71-55-6	-----1,1,1-Trichloroethane	53	U
56-23-5	-----Carbon Tetrachloride	53	U
75-27-4	-----Bromodichloromethane	53	U
78-87-5	-----1,2-Dichloropropane	53	U
10061-01-5	-----cis-1,3-Dichloropropene	53	U
79-01-6	-----Trichloroethene	53	U
124-48-1	-----Dibromochloromethane	53	U
79-00-5	-----1,1,2-Trichloroethane	53	U
71-43-2	-----Benzene	53	U
10061-02-6	-----trans-1,3-Dichloropropene	53	U
75-25-2	-----Bromoform	53	U
108-10-1	-----4-Methyl-2-Pentanone	53	U
591-78-6	-----2-Hexanone	53	U
127-18-4	-----Tetrachloroethene	53	U
79-34-5	-----1,1,2,2-Tetrachloroethane	53	U
108-88-3	-----Toluene	53	U
108-90-7	-----Chlorobenzene	53	U
100-41-4	-----Ethylbenzene	53	U
100-42-5	-----Styrene	53	U
1330-20-7	-----Xylene (total)	53	U

SRS
6/16/9

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

ETD12

Lab Name: DATA CHEM LABS Contract: 68-D1-0080

Lab Code: DATA C Case No.: 19810 SAS No.: _____ SDG No.: ETD01

Matrix: (soil/water) SOIL Lab Sample ID: CLP13053

Sample wt/vol: 5.0 (g/mL) G Lab File ID: RJ62CLP053

Level: (low/med) LOW Date Received: 04/21/93

% Moisture: not dec. 81 Date Analyzed: 04/29/93

GC Column: PACK ID: 2.00 (mm) Dilution Factor: 1.0

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

Number TICs found: 0

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

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

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

ETD17

Lab Name: DATA CHEM LABS Contract: 68-D1-0080

Lab Code: DATA C Case No.: 19810 SAS No.: _____ SDG No.: ETD01

Matrix: (soil/water) WATER Lab Sample ID: CLP13060

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: AP54C060

Level: (low/med) LOW Date Received: 04/22/93

% Moisture: not dec. _____ Date Analyzed: 04/30/93

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

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

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

74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	2	BJU -
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	10	U
75-35-4	1,1-Dichloroethene	10	U
75-34-3	1,1-Dichloroethane	10	U
540-59-0	1,2-Dichloroethene (total)	10	U
67-66-3	Chloroform	10	U
107-06-2	1,2-Dichloroethane	10	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	10	U
56-23-5	Carbon Tetrachloride	10	U
75-27-4	Bromodichloromethane	10	U
78-87-5	1,2-Dichloropropane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
79-01-6	Trichloroethene	10	U
124-48-1	Dibromochloromethane	10	U
79-00-5	1,1,2-Trichloroethane	10	U
71-43-2	Benzene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
75-25-2	Bromoform	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
108-88-3	Toluene	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
100-42-5	Styrene	10	U
1330-20-7	Xylene (total)	10	U

SPS
6/16/93

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

ETD17

Lab Name: DATA CHEM LABS

Contract: 68-D1-0080

Lab Code: DATA C Case No.: 19810

SAS No.: _____ SDG No.: ETD01

Matrix: (soil/water) WATER

Lab Sample ID: CLP13060

Sample wt/vol: 5.0 (g/mL) ML

Lab File ID: AP54C060

Level: (low/med) LOW

Date Received: 04/22/93

% Moisture: not dec. _____

Date Analyzed: 04/30/93

GC Column: CAP ID: 0.530 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 0

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

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

LA
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

ETD18

Lab Name: DATA CHEM LABS Contract: 68-D1-0080

Lab Code: DATA C Case No.: 5810 SRS No.: _____ SDG No.: ETD01

Matrix: (soil/water) WATER Lab Sample ID: CLP13061

Sample wt/vol: 5.0 (g/100) ML Lab File ID: AP55C061

Level: (low/med) LOW Date Received: 04/22/93

% Moisture: not det. _____ Date Analyzed: 04/30/93

GC Column: CAP ID: 2.512 (m) Dilution Factor: 1.0

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

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

CAS NO. NAME Q

74-87-3	Chloromethane	10	U
74-83-2	Bromomethane	10	U
75-35-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	2	BJU -
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	10	U
75-70-4	1,1-Dichloroethane	10	U
75-34-3	1,1-Dichloroethane	10	U
542-96-7	1,1-Dichloroethene (total)	10	U
67-63-1	Chloroform	3	U
107-06-2	1,2-Dichloroethane	10	U
78-23-1	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	10	U
56-23-5	Carbon Tetrachloride	10	U
75-27-4	Bromodichloromethane	10	U
78-87-5	1,2-Dichloropropane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
79-01-8	Trichloroethene	10	U
124-43-1	Dibromochloromethane	10	U
79-09-5	1,1,2-Trichloroethane	10	U
71-43-2	Benzene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
75-25-2	Nitroform	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
591-78-6	2-Butanone	10	U
127-18-4	Tetrachloroethane	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
108-88-3	Toluene	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
100-42-5	Styrene	10	U
1330-20-7	Xylene (total)	10	U

SRS
6/16/93

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

ETD18

Lab Name: DATA CHEM LABS Contract: 68-D1-0080
 Lab Code: DATA C Case No.: 19810 SAS No.: _____ SDG No.: ETD01
 Matrix: (soil/water) WATER Lab Sample ID: CLP13061
 Sample wt/vol: 5.0 (g/mL) ML Lab File ID: AP55C061
 Level: (low/med) LOW Date Received: 04/22/93
 % Moisture: not dec. _____ Date Analyzed: 04/30/93
 GC Column: CAP ID: 0.530 (mm) Dilution Factor: 1.0
 Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

Number TICs found: 0

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

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

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

ETD19

Lab Name: DATA CHEM LABS Contract: 68-D1-0080
 Lab Code: DATA C Case No.: 19810 SAS No.: _____ SDG No.: ETD01
 Matrix: (soil/water) WATER Lab Sample ID: CLP13062
 Sample wt/vol: 5.0 (g/mL) ML Lab File ID: AP56C062
 Level: (low/med) LOW Date Received: 04/22/93
 % Moisture: not dec. _____ Date Analyzed: 04/30/93
 GC Column: CAP ID: 0.530 (mm) Dilution Factor: 1.0
 Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

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

74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	2	BJU - SFS
67-64-1	Acetone	10	U 6/16/93
75-15-0	Carbon Disulfide	10	U
75-35-4	1,1-Dichloroethene	10	U
75-34-3	1,1-Dichloroethane	10	U
540-59-0	1,2-Dichloroethene (total)	10	U
67-66-3	Chloroform	10	U
107-06-2	1,2-Dichloroethane	10	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	10	U
56-23-5	Carbon Tetrachloride	10	U
75-27-4	Bromodichloromethane	10	U
78-87-5	1,2-Dichloropropane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
79-01-6	Trichloroethene	10	U
124-48-1	Dibromochloromethane	10	U
79-00-5	1,1,2-Trichloroethane	10	U
71-43-2	Benzene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
75-25-2	Bromoform	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
108-88-3	Toluene	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
100-42-5	Styrene	10	U
1330-20-7	Xylene (total)	10	U

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

ETD19

Lab Name: DATA CHEM LABS Contract: 68-D1-0080
Lab Code: DATA C Case No.: 19810 SAS No.: _____ SDG No.: ETD01
Matrix: (soil/water) WATER Lab Sample ID: CLP13062
Sample wt/vol: 5.0 (g/mL) ML Lab File ID: AP56C062
Level: (low/med) LOW Date Received: 04/22/93
% Moisture: not dec. _____ Date Analyzed: 04/30/93
GC Column: CAP ID: 0.530 (mm) Dilution Factor: 1.0
Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

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

Number TICs found: 0

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

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

ETD20

Lab Name: DATA CHEM LABS Contract: 68-D1-0080

Lab Code: DATA C Case No.: 19810 SAS No.: _____ SDG No.: ETD01

Matrix: (soil/water) WATER Lab Sample ID: CLP13063

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: AP57C063

Level: (low/med) LOW Date Received: 04/22/93

% Moisture: not dec. _____ Date Analyzed: 04/30/93

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

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

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

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	BJU
67-64-1	-----Acetone	10	U
75-15-0	-----Carbon Disulfide	10	U
75-35-4	-----1,1-Dichloroethene	10	U
75-34-3	-----1,1-Dichloroethane	10	U
540-59-0	-----1,2-Dichloroethene (total)	10	U
67-66-3	-----Chloroform	10	U
107-06-2	-----1,2-Dichloroethane	10	U
78-93-3	-----2-Butanone	10	U
71-55-6	-----1,1-Trichloroethane	10	U
56-23-5	-----Carbon Tetrachloride	10	U
75-27-4	-----Bromodichloromethane	10	U
78-87-5	-----1,2-Dichloropropane	10	U
10061-01-5	-----cis-1,3-Dichloropropene	10	U
79-01-6	-----Trichloroethene	10	U
124-48-1	-----Dibromochloromethane	10	U
79-00-5	-----1,1,2-Trichloroethane	10	U
71-43-2	-----Benzene	10	U
10061-02-6	-----trans-1,3-Dichloropropene	10	U
75-25-2	-----Bromoform	10	U
108-10-1	-----4-Methyl-2-Pentanone	10	U
591-78-6	-----2-Hexanone	10	U
127-18-4	-----Tetrachloroethene	10	U
79-34-5	-----1,1,2,2-Tetrachloroethane	10	U
108-88-3	-----Toluene	10	U
108-90-7	-----Chlorobenzene	10	U
100-41-4	-----Ethylbenzene	10	U
100-42-5	-----Styrene	10	U
1330-20-7	-----Xylene (total)	10	U

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6/16/93

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1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

ETD20

Lab Name: DATA CHEM LABS

Contract: 68-D1-0080

Lab Code: DATA C Case No.: 19810

SAS No.: _____ SDG No.: ETD01

Matrix: (soil/water) WATER

Lab Sample ID: CLP13063

Sample wt/vol: 5.0 (g/mL) ML

Lab File ID: AP57C063

Level: (low/med) LOW

Date Received: 04/22/93

% Moisture: not dec. _____

Date Analyzed: 04/30/93

GC Column: CAP ID: 0.530 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 0

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

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

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

ETD21

Lab Name: DATA CHEM LABS Contract: 68-D1-0080

Lab Code: DATA C Case No.: 19810 SAS No.: _____ SDG No.: ETD01

Matrix: (soil/water) WATER Lab Sample ID: CLP13064

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: AP58C064

Level: (low/med) LOW Date Received: 04/22/93

% Moisture: not dec. _____ Date Analyzed: 04/30/93

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

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

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

CAS NO. COMPOUND Q

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	BJU
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	10	U
75-35-4	1,1-Dichloroethene	10	U
75-34-3	1,1-Dichloroethane	10	U
540-59-0	1,2-Dichloroethene (total)	10	U
67-66-3	Chloroform	10	U
107-06-2	1,2-Dichloroethane	10	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	10	U
56-23-5	Carbon Tetrachloride	10	U
75-27-4	Bromodichloromethane	10	U
78-87-5	1,2-Dichloropropane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
79-01-6	Trichloroethene	10	U
124-48-1	Dibromochloromethane	10	U
79-00-5	1,1,2-Trichloroethane	10	U
71-43-2	Benzene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
75-25-2	Bromoform	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
108-88-3	Toluene	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
100-42-5	Styrene	10	U
1330-20-7	Xylene (total)	10	U

SRS
6/16/93

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

ETD21

Lab Name: DATA CHEM LABS Contract: 68-D1-0080

Lab Code: DATA C Case No.: 19810 SAS No.: _____ SDG No.: ETD01

Matrix: (soil/water) WATER Lab Sample ID: CLP13064

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: AP58C064

Level: (low/med) LOW Date Received: 04/22/93

% Moisture: not dec. _____ Date Analyzed: 04/30/93

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

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

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

Number TICs found: 0

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

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

ETD22

Lab Name: DATA CHEM LABS Contract: 68-D1-0080
 Lab Code: DATA C Case No.: 19810 SAS No.: _____ SDG No.: ETD01
 Matrix: (soil/water) WATER Lab Sample ID: CLP13065
 Sample wt/vol: 5.0 (g/mL) ML Lab File ID: AP59C065
 Level: (low/med) LOW Date Received: 04/22/93
 % Moisture: not dec. _____ Date Analyzed: 04/30/93
 GC Column: CAP ID: 0.530 (mm) Dilution Factor: 1.0
 Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

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

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

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6/16/93

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1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

ETD22

Lab Name: DATA CHEM LABS Contract: 68-D1-0080

Lab Code: DATA C Case No.: 19810 SAS No.: _____ SDG No.: ETD01

Matrix: (soil/water) WATER Lab Sample ID: CLP13065

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: AP59C065

Level: (low/med) LOW Date Received: 04/22/93

% Moisture: not dec. _____ Date Analyzed: 04/30/93

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

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

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

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

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

Lab Name: DATA CHEM LABS Contract: 68-D1-0080 ETD23

Lab Code: DATA C Case No.: 19810 SAS No.: _____ SDG No.: ETD01

Matrix: (soil/water) WATER Lab Sample ID: CLP13066

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: AP60C066

Level: (low/med) LOW Date Received: 04/22/93

% Moisture: not dec. _____ Date Analyzed: 04/30/93

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

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

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

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	3	BJU
67-64-1	-----Acetone	39	
75-15-0	-----Carbon Disulfide	10	U
75-35-4	-----1,1-Dichloroethene	10	U
75-34-3	-----1,1-Dichloroethane	10	U
540-59-0	-----1,2-Dichloroethene (total)	10	U
67-66-3	-----Chloroform	10	U
107-06-2	-----1,2-Dichloroethane	10	U
78-93-3	-----2-Butanone	10	U
71-55-6	-----1,1,1-Trichloroethane	10	U
56-23-5	-----Carbon Tetrachloride	10	U
75-27-4	-----Bromodichloromethane	10	U
78-87-5	-----1,2-Dichloropropane	10	U
10061-01-5	-----cis-1,3-Dichloropropene	10	U
79-01-6	-----Trichloroethene	10	U
124-48-1	-----Dibromochloromethane	10	U
79-00-5	-----1,1,2-Trichloroethane	10	U
71-43-2	-----Benzene	10	U
10061-02-6	-----trans-1,3-Dichloropropene	10	U
75-25-2	-----Bromoform	10	U
108-10-1	-----4-Methyl-2-Pentanone	10	U
591-78-6	-----2-Hexanone	10	U
127-18-4	-----Tetrachloroethene	10	U
79-34-5	-----1,1,2,2-Tetrachloroethane	10	U
108-88-3	-----Toluene	10	U
108-90-7	-----Chlorobenzene	10	U
100-41-4	-----Ethylbenzene	10	U
100-42-5	-----Styrene	10	U
1330-20-7	-----Xylene (total)	10	U

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1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

ETD23

Lab Name: DATA CHEM LABS Contract: 68-D1-0080

Lab Code: DATA C Case No.: 19810 SAS No.: _____ SDG No.: ETD01

Matrix: (soil/water) WATER Lab Sample ID: CLP13066

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: AP60C066

Level: (low/med) LOW Date Received: 04/22/93

% Moisture: not dec. _____ Date Analyzed: 04/30/93

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

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

Number TICs found: 0

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

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

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

ETD24

Lab Name: DATA CHEM LABS Contract: 68-D1-0080

Lab Code: DATA C Case No.: 19810 SAS No.: _____ SDG No.: ETD01

Matrix: (soil/water) WATER Lab Sample ID: CLP13067

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: AP61C067

Level: (low/med) LOW Date Received: 04/22/93

% Moisture: not dec. _____ Date Analyzed: 04/30/93

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

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

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

CAS NO. COMPOUND Q

74-87-3	-----Chloromethane	10	U
74-83-9	-----Bromomethane	10	U
75-01-4	-----Vinyl Chloride	10	U
75-00-3	-----Chloroethane	10	U
75-09-2	-----Methylene Chloride	3	BJU
67-64-1	-----Acetone	51	
75-15-0	-----Carbon Disulfide	10	U
75-35-4	-----1,1-Dichloroethene	10	U
75-34-3	-----1,1-Dichloroethane	10	U
540-59-0	-----1,2-Dichloroethene (total)	10	U
67-66-3	-----Chloroform	10	U
107-06-2	-----1,2-Dichloroethane	10	U
78-93-3	-----2-Butanone	10	U
71-55-6	-----1,1,1-Trichloroethane	10	U
56-23-5	-----Carbon Tetrachloride	10	U
75-27-4	-----Bromodichloromethane	10	U
78-87-5	-----1,2-Dichloropropane	10	U
10061-01-5	-----cis-1,3-Dichloropropene	10	U
79-01-6	-----Trichloroethene	10	U
124-48-1	-----Dibromochloromethane	10	U
79-00-5	-----1,1,2-Trichloroethane	10	U
71-43-2	-----Benzene	10	U
10061-02-6	-----trans-1,3-Dichloropropene	10	U
75-25-2	-----Bromoform	10	U
108-10-1	-----4-Methyl-2-Pentanone	10	U
591-78-6	-----2-Hexanone	10	U
127-18-4	-----Tetrachloroethene	10	U
79-34-5	-----1,1,2,2-Tetrachloroethane	10	U
108-88-3	-----Toluene	10	U
108-90-7	-----Chlorobenzene	10	U
100-41-4	-----Ethylbenzene	10	U
100-42-5	-----Styrene	10	U
1330-20-7	-----Xylene (total)	10	U

SFS
6/16/93

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

ETD24

Lab Name: DATA CHEM LABS Contract: 68-D1-0080

Lab Code: DATA C Case No.: 19810 SAS No.: _____ SDG No.: ETD01

Matrix: (soil/water) WATER Lab Sample ID: CLP13067

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: AP61C067

Level: (low/med) LOW Date Received: 04/22/93

% Moisture: not dec. _____ Date Analyzed: 04/30/93

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

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

Number TICs found: 0

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

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

2C
WATER SEMIVOLATILE SURROGATE RECOVERY

Lab Name: DATA CHEM LABS Contract: 68-D1-0080

Lab Code: DATA C Case No.: 19810 SAS No.: _____ SDG No.: ETD01

	EPA SAMPLE NO.	S1 (NBZ)#	S2 (FBP)#	S3 (TPH)#	S4 (PHL)#	S5 (2FP)#	S6 (TBP)#	S7 (2CP)#	S8 (DCB)#	TOT OUT
01	ETD17	79	81	85	77	86	93	94	70	0
02	ETD18	73	74	79	66	80	81	83	63	0
03	ETD19	79	76	89	69	85	87	86	63	0
04	ETD20	73	74	64	69	84	81	86	64	0
05	ETD21	80	77	89	72	88	87	90	66	0
06	ETD22	74	74	73	63	74	80	78	60	0
07	ETD23	67	71	93	64	67	65	77	62	0
08	ETD21MS	78	81	84	70	82	87	85	66	0
09	ETD21MSD	81	85	82	70	83	94	87	69	0
10	SBLK01	67	71	92	60	78	74	75	57	0

QC LIMITS

S1 (NBZ) = Nitrobenzene-d5 (35-114)
 S2 (FBP) = 2-Fluorobiphenyl (43-116)
 S3 (TPH) = Terphenyl-d14 (33-141)
 S4 (PHL) = Phenol-d5 (10-110)
 S5 (2FP) = 2-Fluorophenol (21-110)
 S6 (TBP) = 2,4,6-Tribromophenol (10-123)
 S7 (2CP) = 2-Chlorophenol-d4 (33-110) (advisory)
 S8 (DCB) = 1,2-Dichlorobenzene-d4 (16-110) (advisory)

Column to be used to flag recovery values
 * Values outside of contract required QC limits
 D Surrogate diluted out

38i

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SELK02

Lab Name: DATA CHEM LABS Contract: 68-D1-0080

Lab Code: DATA C Case No.: 19810 SAS No.: _____ SDG No.: ETD01

Matrix: (soil/water) SOIL Lab Sample ID: CLPBK0501

Sample wt/vol: 30.0 (g/mL) G Lab File ID: DY12BK0501

Level: (low/med) LOW Date Received: _____

% Moisture: _____ decanted: (Y/N) N Date Extracted: 05/01/93

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 05/17/93

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 5.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS	Q
108-95-2	Phenol	330	U
111-44-4	bis(2-Chloroethyl) Ether	330	U
95-57-8	2-Chlorophenol	330	U
541-73-1	1,3-Dichlorobenzene	330	U
106-46-7	1,4-Dichlorobenzene	330	U
95-50-1	1,2-Dichlorobenzene	330	U
95-48-7	2-Methylphenol	330	U
108-60-1	2,2'-oxybis(1-Chloropropane)	330	U
106-44-5	4-Methylphenol	330	U
621-64-7	N-Nitroso-Di-n-Propylamine	330	U
67-72-1	Hexachloroethane	330	U
98-95-3	Nitrobenzene	330	U
78-59-1	Isophorone	330	U
88-75-5	2-Nitrophenol	330	U
105-67-9	2,4-Dimethylphenol	330	U
111-91-1	bis(2-Chloroethoxy) Methane	330	U
120-83-2	2,4-Dichlorophenol	330	U
120-82-1	1,2,4-Trichlorobenzene	330	U
91-20-3	Naphthalene	330	U
106-47-8	4-Chloroaniline	330	U
87-68-3	Hexachlorobutadiene	330	U
59-50-7	4-Chloro-3-Methylphenol	330	U
91-57-6	2-Methylnaphthalene	330	U
77-47-4	Hexachlorocyclopentadiene	330	U
88-06-2	2,4,6-Trichlorophenol	330	U
95-95-4	2,4,5-Trichlorophenol	800	U
91-58-7	2-Chloronaphthalene	330	U
88-74-4	2-Nitroaniline	800	U
131-11-3	Dimethyl Phthalate	330	U
208-96-8	Acenaphthylene	330	U
606-20-2	2,6-Dinitrotoluene	330	U
99-09-2	3-Nitroaniline	800	U
83-32-9	Acenaphthene	330	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBLK02

Lab Name: DATA CHEM LABS Contract: 68-D1-0080
 Lab Code: DATA C Case No.: 19810 SAS No.: _____ SDG No.: ETD01
 Matrix: (soil/water) SOIL Lab Sample ID: CLPBK0501
 Sample wt/vol: 30.0 (g/mL) G Lab File ID: DY12BK0501
 Level: (low/med) LOW Date Received: _____
 % Moisture: _____ decanted: (Y/N) N Date Extracted: 05/01/93
 Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 05/17/93
 Injection Volume: 2.0 (uL) Dilution Factor: 1.0
 GPC Cleanup: (Y/N) Y pH: 5.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/KG</u>	<u>Q</u>
51-28-5	2,4-Dinitrophenol	800	U
100-02-7	4-Nitrophenol	800	U
132-64-9	Dibenzofuran	330	U
121-14-2	2,4-Dinitrotoluene	330	U
84-66-2	Diethylphthalate	330	U
7005-72-3	4-Chlorophenyl-phenylether	330	U
86-73-7	Fluorene	330	U
100-01-6	4-Nitroaniline	800	U
534-52-1	4,6-Dinitro-2-Methylphenol	800	U
86-30-6	N-Nitrosodiphenylamine (1)	330	U
101-55-3	4-Bromophenyl-phenylether	330	U
118-74-1	Hexachlorobenzene	330	U
87-86-5	Pentachlorophenol	800	U
85-01-8	Phenanthrene	330	U
120-12-7	Anthracene	330	U
86-74-8	Carbazole	330	U
84-74-2	Di-n-Butylphthalate	330	U
206-44-0	Fluoranthene	330	U
129-00-0	Pyrene	330	U
85-68-7	Butylbenzylphthalate	330	U
91-94-1	3,3'-Dichlorobenzidine	330	U
56-55-3	Benzo(a)Anthracene	330	U
218-01-9	Chrysene	330	U
117-81-7	bis(2-Ethylhexyl) Phthalate	330	U
117-84-0	Di-n-Octyl Phthalate	330	U
205-99-2	Benzo(b) Fluoranthene	330	U
207-08-9	Benzo(k) Fluoranthene	330	U
50-32-8	Benzo(a) Pyrene	330	U
193-39-5	Indeno(1,2,3-cd) Pyrene	330	U
53-70-3	Dibenz(a,h) Anthracene	330	U
191-24-2	Benzo(g,h,i) Perylene	330	U

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBLK01

Lab Name: DATA CHEM LABS Contract: 68-D1-0080

Lab Code: DATA C Case No.: 19810 SAS No.: _____ SDG No.: ETD01

Matrix: (soil/water) WATER Lab Sample ID: CLPBK0427

Sample wt/vol: 1000 (g/mL) ML Lab File ID: DE6BK0427

Level: (low/med) LOW Date Received: _____

% Moisture: _____ decanted: (Y/N) _____ Date Extracted: 04/27/93

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 04/30/93

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 5.0

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
95-50-1	1,2-Dichlorobenzene	10	U
95-48-7	2-Methylphenol	10	U
108-60-1	2,2'-oxybis(1-Chloropropane)	10	U
106-44-5	4-Methylphenol	10	U
621-64-7	N-Nitroso-Di-n-Propylamine	10	U
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
111-91-1	bis(2-Chloroethoxy)Methane	10	U
120-83-2	2,4-Dichlorophenol	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
59-50-7	4-Chloro-3-Methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	25	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	25	U
131-11-3	Dimethyl Phthalate	10	U
208-96-8	Acenaphthylene	10	U
606-20-2	2,6-Dinitrotoluene	10	U
99-09-2	3-Nitroaniline	25	U
83-32-9	Acenaphthene	10	U

1251

4B
SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

SBLK02

Lab Name: DATA CHEM LABS Contract: 68-D1-0080

Lab Code: DATA C Case No.: 19810 SAS No.: _____ SDG No.: ETD01

Lab File ID: DY12BK0501 Lab Sample ID: CLPBK0501

Instrument ID: 5100-D Date Extracted: 05/01/93

Matrix: (soil/water) SOIL Date Analyzed: 05/17/93

Level: (low/med) LOW Time Analyzed: 1712

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

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	=====	=====	=====	=====
01	ETD01	CLP13042	DY13CLP042	05/17/93
02	ETD02	CLP13043	DY14CLP043	05/17/93
03	ETD03	CLP13044	DY15CLP044	05/17/93
04	ETD04	CLP13045	DY15CLP045	05/17/93
05	ETD05	CLP13046	DZ13CLP046	05/18/93
06	ETD06	CLP13047	DZ14CLP047	05/18/93
07	ETD07	CLP13048	DZ15CLP048	05/18/93
08	ETD08	CLP13049	DZ16CLP049	05/18/93
09	ETD09	CLP13050	DZ17CLP050	05/18/93
10	ETD10	CLP13051	DZ18CLP051	05/18/93
11	ETD11	CLP13052	DZ19CLP052	05/18/93
12	ETD12	CLP13053	DZ10CLP053	05/18/93
13	ETD12MS	CLP13053MS	DZ11CLP53MS	05/18/93
14	ETD12MSD	CLP13053MSD	DZ12CLP53MD	05/18/93

COMMENTS: SBLK02 (CLPBK0501)
INSTRUMENT: 5100-D CASE: 19810

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBLK01

Lab Name: DATA CHEM LABS Contract: 68-D1-0080
 Lab Code: DATA C Case No.: 19810 SAS No: _____ SDG No.: ETD01
 Matrix: (soil/water) WATER Lab Sample ID: CLPBK0427
 Sample wt/vol: 1000 (g/mL) ML Lab File ID: DE6BK0427
 Level: (low/med) LOW Date Received: _____
 % Moisture: _____ decanted: (Y/N) _____ Date Extracted: 04/27/93
 Concentrated Extract Volume: 1000 (uL) Date Analyzed: 04/30/93
 Injection Volume: 2.0 (uL) Dilution Factor: 1.0
 GPC Cleanup: (Y/N) N pH: 5.0

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
51-28-5	2,4-Dinitrophenol	25	U
100-02-7	4-Nitrophenol	25	U
132-64-9	Dibenzofuran	10	U
121-14-2	2,4-Dinitrotoluene	10	U
84-66-2	Diethylphthalate	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
86-73-7	Fluorene	10	U
100-01-6	4-Nitroaniline	25	U
534-52-1	4,6-Dinitro-2-Methylphenol	25	U
86-30-6	N-Nitrosodiphenylamine (1)	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
87-86-5	Pentachlorophenol	25	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
86-74-8	Carbazole	10	U
84-74-2	Di-n-Butylphthalate	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butylbenzylphthalate	10	U
91-94-1	3,3'-Dichlorobenzidine	10	U
56-55-3	Benzo(a)Anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	bis(2-Ethylhexyl) Phthalate	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	Dibenz(a,h) Anthracene	10	U
191-24-2	Benzo(g,h,i) Perylene	10	U

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SBLK01

Lab Name: DATA CHEM LABS Contract: 68-D1-0080
 Lab Code: DATA C Case No.: 19810 SAS No.: _____ SDG No.: ETD01
 Matrix: (soil/water) WATER Lab Sample ID: CLPBK0427
 Sample wt/vol: 1000 (g/mL) ML Lab File ID: DE6BK0427
 Level: (low/med) LOW Date Received: _____
 % Moisture: _____ decanted: (Y/N) _____ Date Extracted: 04/27/93
 Concentrated Extract Volume: 1000 (uL) Date Analyzed: 04/30/93
 Injection Volume: 2.0 (uL) Dilution Factor: 1.0
 GPC Cleanup: (Y/N) N pH: 5.0

Number TICs found: 1

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN POLYCYCLIC HYDROCARB	31.77	14	J

4B
SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

SBLK01

Lab Name: DATA CHEM LABS Contract: 68-D1-0080

Lab Code: DATA C Case No.: 19810 SAS No.: _____ SDG No.: ETD01

Lab File ID: DE6BK0427 Lab Sample ID: CLPBK0427

Instrument ID: 5100-D Date Extracted: 04/27/93

Matrix: (soil/water) WATER Date Analyzed: 04/30/93

Level: (low/med) LOW Time Analyzed: 1630

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

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	=====	=====	=====	=====
01	ETD17	CLP13060	DE7CLP060	04/30/93
02	ETD18	CLP13061	DE8CLP061	04/30/93
03	ETD19	CLP13062	DE9CLP062	04/30/93
04	ETD20	CLP13063	DE10CLP063	04/30/93
05	ETD21	CLP13064	DE11CLP064	04/30/93
06	ETD22	CLP13065	DE14CLP65	04/30/93
07	ETD23	CLP13066	DH6CLP66	05/03/93
08	ETD21MS	CLP13064MS	DE12CLP64MS	04/30/93
09	ETD21MSD	CLP13064MSD	DE13CLP64MD	04/30/93

COMMENTS: SBLK01 (CLPBK0427)
INSTRUMENT: 5100-D CASE: 19810

3D
SOIL SEMIVOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: DATA CHEM LABS Contract: 68-D1-0080
 Lab Code: DATA C Case No.: 19810 SAS No.: _____ SDG No.: ETD01
 Matrix Spike - EPA Sample No.: ETD12 Level: (low/med) LOW

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC #	QC LIMITS REC.
Phenol	13100	0	9114	70	26-90
2-Chlorophenol	13100	0	8325	64	25-102
1,4-Dichlorobenzene	8760	0	5398	62	28-104
N-Nitroso-di-n-prop. (1)	8760	0	4837	55	41-126
1,2,4-Trichlorobenzene	8760	0	5398	62	38-107
4-Chloro-3-methylphenol	13100	0	10240	78	26-103
Acenaphthene	8760	0	5608	64	31-137
4-Nitrophenol	13200	0	11320	86	11-114
2,4-Dinitrotoluene	8760	0	4925	56	28-89
Pentachlorophenol	13100	0	11600	89	17-109
Pyrene	8760	0	5170	59	35-142

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC #	% RPD #	QC LIMITS RPD	REC.
Phenol	13100	8342	64	9	35	26-90
2-Chlorophenol	13100	7589	58	10	50	25-102
1,4-Dichlorobenzene	8760	4785	55	12	27	28-104
N-Nitroso-di-n-prop. (1)	8760	4557	52	6	38	41-126
1,2,4-Trichlorobenzene	8760	4907	56	10	23	38-107
4-Chloro-3-methylphenol	13100	10600	81	4	33	26-103
Acenaphthene	8760	5205	59	8	19	31-137
4-Nitrophenol	13200	11460	87	1	50	11-114
2,4-Dinitrotoluene	8760	4557	52	7	47	28-89
Pentachlorophenol	13100	11650	89	0	47	17-109
Pyrene	8760	4925	56	5	36	35-142

(1) N-Nitroso-di-n-propylamine

Column to be used to flag recovery and RPD values with an asterisk
 * Values outside of QC limits

RPD: 0 out of 11 outside limits
 Spike Recovery: 0 out of 22 outside limits

COMMENTS: ETD12 (CLP13053)
 INSTRUMENT: 5100-D CASE: 19810

WATER SEMIVOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: DATA CHEM LABSContract: 68-D1-0080Lab Code: DATA C Case No.: 19810

SAS No.: _____

SDG No.: ETD01Matrix Spike - EPA Sample No.: ETD21

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC #	QC LIMITS REC.
Phenol	75.00	0	49.30	66	12-110
2-Chlorophenol	75.00	0	47.90	64	27-123
1,4-Dichlorobenzene	50.00	0	30.80	62	36- 97
N-Nitroso-di-n-prop. (1)	50.00	0	27.90	56	41-116
1,2,4-Trichlorobenzene	50.00	0	31.10	62	39- 98
4-Chloro-3-methylphenol	75.00	0	47.60	63	23- 97
Acenaphthene	50.00	0	35.90	72	46-118
4-Nitrophenol	75.00	0	55.40	74	10- 80
2,4-Dinitrotoluene	50.00	0	39.40	79	24- 96
Pentachlorophenol	75.00	0	67.60	90	9-103
Pyrene	50.00	0	36.10	72	26-127

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC #	% RPD #	QC LIMITS RPD	REC.
Phenol	75.00	50.20	67	2	42	12-110
2-Chlorophenol	75.00	49.20	66	3	40	27-123
1,4-Dichlorobenzene	50.00	32.70	65	5	28	36- 97
N-Nitroso-di-n-prop. (1)	50.00	27.70	55	2	38	41-116
1,2,4-Trichlorobenzene	50.00	32.30	65	5	28	39- 98
4-Chloro-3-methylphenol	75.00	50.90	68	8	42	23- 97
Acenaphthene	50.00	34.90	70	3	31	46-118
4-Nitrophenol	75.00	62.30	83 *	11	50	10- 80
2,4-Dinitrotoluene	50.00	39.80	80	1	38	24- 96
Pentachlorophenol	75.00	72.70	97	7	50	9-103
Pyrene	50.00	36.90	74	3	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 limitsSpike Recovery: 1 out of 22 outside limits

COMMENTS: ETD21 (CLP13064)

INSTRUMENT: 5100-D CASE: 19810

2D
SOIL SEMIVOLATILE SURROGATE RECOVERY

Lab Name: DATA CHEM LABS Contract: 68-D1-0080
 Lab Code: DATA C Case No.: 19810 SAS No.: _____ SDG No.: ETD01
 Level: (low/med) LOW

EPA SAMPLE NO.	S1 (NBZ) #	S2 (FBP) #	S3 (TPH) #	S4 (PHL) #	S5 (2FP) #	S6 (TBP) #	S7 (2CP) #	S8 (DCB) #	TOT OUT
01 ETD01	68	74	60	44	73	48	70	63	0
02 ETD02	53	54	46	37	60	47	55	47	0
03 ETD03	64	65	53	48	72	63	66	54	0
04 ETD04	73	72	68	53	79	73	74	63	0
05 ETD05	65	70	41	47	58	42	59	61	0
06 ETD06	47	48	44	37	52	61	49	44	0
07 ETD07	52	63	50	44	55	73	53	44	0
08 ETD08	52	52	47	41	57	62	53	47	0
09 ETD09	44	46	42	34	47	46	43	43	0
10 ETD10	54	62	51	45	60	65	56	49	0
11 ETD11	57	67	46	47	62	68	58	52	0
12 ETD12	47	57	46	39	51	51	52	40	0
13 ETD12MS	80	81	57	57	81	81	76	70	0
14 ETD12MSD	76	77	58	56	79	84	73	67	0
15 SBLK02	60	63	52	37	61	42	58	56	0

- S1 (NBZ) = Nitrobenzene-d5
 - S2 (FBP) = 2-Fluorobiphenyl
 - S3 (TPH) = Terphenyl-d14
 - S4 (PHL) = Phenol-d5
 - S5 (2FP) = 2-Fluorophenol
 - S6 (TBP) = 2,4,6-Tribromophenol
 - S7 (2CP) = 2-Chlorophenol-d4
 - S8 (DCB) = 1,2-Dichlorobenzene-d4
- QC LIMITS
 (23-120)
 (30-115)
 (18-137)
 (24-113)
 (25-121)
 (19-122)
 (20-130) (advisory)
 (20-130) (advisory)

Column to be used to flag recovery values
 * Values outside of contract required QC limits
 D Surrogate diluted out

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SBLK02

Lab Name: DATA CHEM LABS Contract: 68-D1-0080

Lab Code: DATA C Case No.: 19810 SAS No.: _____ SDG No.: ETD01

Matrix: (soil/water) SOIL Lab Sample ID: CLPBK0501

Sample wt/vol: 30.0 (g/mL) G Lab File ID: DY12BK0501

Level: (low/med) LQW Date Received: _____

% Moisture: _____ decanted: (Y/N) N Date Extracted: 05/01/93

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 05/17/93

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 5.0

Number TICs found: 1

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	ALDOL CONDENSATION PRODUCT	10.13	520	J

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

ETD01

Lab Name: DATA CHEM LABS Contract: 68-D1-0080
 Lab Code: DATA C Case No.: 19810 SAS No.: _____ SDG No.: ETD01
 Matrix: (soil/water) SOIL Lab Sample ID: CLP13042
 Sample wt/vol: 30.0 (g/mL) G Lab File ID: DY13CLP042
 Level: (low/med) LOW Date Received: 04/21/93
 % Moisture: 37 decanted: (Y/N) N Date Extracted: 05/01/93
 Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 05/17/93
 Injection Volume: 2.0 (uL) Dilution Factor: 1.0
 GPC Cleanup: (Y/N) Y pH: 7.5

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

108-95-2	Phenol	520	U
111-44-4	bis(2-Chloroethyl) Ether	520	U
95-57-8	2-Chlorophenol	520	U
541-73-1	1,3-Dichlorobenzene	520	U
106-46-7	1,4-Dichlorobenzene	520	U
95-50-1	1,2-Dichlorobenzene	520	U
95-48-7	2-Methylphenol	520	U
108-60-1	2,2'-oxybis(1-Chloropropane)	520	U
106-44-5	4-Methylphenol	520	U
621-64-7	N-Nitroso-Di-n-Propylamine	520	U
67-72-1	Hexachloroethane	520	U
98-95-3	Nitrobenzene	520	U
78-59-1	Isophorone	520	U
88-75-5	2-Nitrophenol	520	U
105-67-9	2,4-Dimethylphenol	520	U
111-91-1	bis(2-Chloroethoxy)Methane	520	U
120-83-2	2,4-Dichlorophenol	520	U
120-82-1	1,2,4-Trichlorobenzene	520	U
91-20-3	Naphthalene	520	U
106-47-8	4-Chloroaniline	520	U
87-68-3	Hexachlorobutadiene	520	U
59-50-7	4-Chloro-3-Methylphenol	520	U
91-57-6	2-Methylnaphthalene	520	U
77-47-4	Hexachlorocyclopentadiene	520	U
88-06-2	2,4,6-Trichlorophenol	520	U
95-95-4	2,4,5-Trichlorophenol	1300	U
91-58-7	2-Chloronaphthalene	520	U
88-74-4	2-Nitroaniline	1300	U
131-11-3	Dimethyl Phthalate	520	U
208-96-8	Acenaphthylene	520	U
606-20-2	2,6-Dinitrotoluene	520	U
99-09-2	3-Nitroaniline	1300	U
83-32-9	Acenaphthene	520	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

ETD01

Lab Name: DATA CHEM LABS Contract: 68-D1-0080
 Lab Code: DATA C Case No.: 19810 SAS No.: _____ SDG No.: ETD01
 Matrix: (soil/water) SOIL Lab Sample ID: CLP13042
 Sample wt/vol: 30.0 (g/mL) G Lab File ID: DY13CLP042
 Level: (low/med) LOW Date Received: 04/21/93
 % Moisture: 37 decanted: (Y/N) N Date Extracted: 05/01/93
 Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 05/17/93
 Injection Volume: 2.0 (uL) Dilution Factor: 1.0
 GPC Cleanup: (Y/N) Y pH: 7.5

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/KG</u>	Q
51-28-5	2,4-Dinitrophenol	1300	U
100-02-7	4-Nitrophenol	1300	U
132-64-9	Dibenzofuran	520	U
121-14-2	2,4-Dinitrotoluene	520	U
84-66-2	Diethylphthalate	520	U
7005-72-3	4-Chlorophenyl-phenylether	520	U
86-73-7	Fluorene	520	U
100-01-6	4-Nitroaniline	1300	U
534-52-1	4,6-Dinitro-2-Methylphenol	1300	U
86-30-6	N-Nitrosodiphenylamine (1)	520	U
101-55-3	4-Bromophenyl-phenylether	520	U
118-74-1	Hexachlorobenzene	520	U
87-86-5	Pentachlorophenol	1300	U
85-01-8	Phenanthrene	520	U
120-12-7	Anthracene	520	U
86-74-8	Carbazole	520	U
84-74-2	Di-n-Butylphthalate	520	U
206-44-0	Fluoranthene	520	U
129-00-0	Pyrene	520	U
85-68-7	Butylbenzylphthalate	520	U
91-94-1	3,3'-Dichlorobenzidine	520	U
56-55-3	Benzo(a)Anthracene	520	U
218-01-9	Chrysene	520	U
117-81-7	bis(2-Ethylhexyl) Phthalate	520	U
117-84-0	Di-n-Octyl Phthalate	520	U
205-99-2	Benzo(b) Fluoranthene	520	U
207-08-9	Benzo(k) Fluoranthene	520	U
50-32-8	Benzo(a) Pyrene	520	U
193-39-5	Indeno(1,2,3-cd) Pyrene	520	U
53-70-3	Dibenz(a,h) Anthracene	520	U
191-24-2	Benzo(g,h,i) Perylene	520	U

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

ETD01

Lab Name: DATA CHEM LABS Contract: 68-D1-0080

Lab Code: DATA C Case No.: 19810 SAS No.: _____ SDG No.: ETD01

Matrix: (soil/water) SOIL Lab Sample ID: CLP13042

Sample wt/vol: 30.0 (g/mL) G Lab File ID: DY13CLP042

Level: (low/med) LOW Date Received: 04/21/93

% Moisture: 37 decanted: (Y/N) N Date Extracted: 05/01/93

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 05/17/93

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.5

Number TICs found: 19

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	ALDOL CONDENSATION PRODUCT	9.08	520	AJ
2.	ALDOL CONDENSATION PRODUCT	9.65	320	AJ
3.	ALDOL CONDENSATION PRODUCT	10.13	1200	ABJU
4.	UNKNOWN OXYHYDROCARBON	10.27	320	J
5.	ALDOL CONDENSATION PRODUCT	11.15	310	AJ
6.	ALDOL CONDENSATION PRODUCT	11.27	130	AJ
7.	ALDOL CONDENSATION PRODUCT	12.08	110	AJ
8.	ALDOL CONDENSATION PRODUCT	13.30	180	AJ
9.	UNKNOWN OXYHYDROCARBON	15.20	1800	J
10.	UNKNOWN OXYHYDROCARBON	15.68	530	J
11.	ALKANE @ C25	29.58	170	J
12.	ALKANE @ C27	31.55	300	J
13.	ALKANE @ C28	32.78	200	J
14.	UNKNOWN LONG CHAIN HYDROCARB	33.42	140	J
15.	ALKANE @ C29	34.25	1500	J
16.	UNKNOWN LONG CHAIN HYDROCARB	35.47	150	J
17.	ALKANE @ C31	38.10	1400	J
18.	UNKNOWN HYDROCARBON	39.77	300	J
19.	ALKANE @ C33	43.78	160	J

SPS
6/17/93

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1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

ETD02

Lab Name: DATA CHEM LABS Contract: 68-D1-0080
 Lab Code: DATA C Case No.: 19810 SAS No.: _____ SDG No.: ETD01
 Matrix: (soil/water) SOIL Lab Sample ID: CLP13043
 Sample wt/vol: 30.0 (g/mL) G Lab File ID: DY14CLP043
 Level: (low/med) LOW Date Received: 04/21/93
 % Moisture: 49 decanted: (Y/N) N Date Extracted: 05/01/93
 Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 05/17/93
 Injection Volume: 2.0 (uL) Dilution Factor: 1.0
 GPC Cleanup: (Y/N) Y pH: 6.4

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/KG</u>	
108-95-2	Phenol	650	U
111-44-4	bis(2-Chloroethyl) Ether	650	U
95-57-8	2-Chlorophenol	650	U
541-73-1	1,3-Dichlorobenzene	650	U
106-46-7	1,4-Dichlorobenzene	650	U
95-50-1	1,2-Dichlorobenzene	650	U
95-48-7	2-Methylphenol	650	U
108-60-1	2,2'-oxybis(1-Chloropropane)	650	U
106-44-5	4-Methylphenol	420	J
621-64-7	N-Nitroso-Di-n-Propylamine	650	U
67-72-1	Hexachloroethane	650	U
98-95-3	Nitrobenzene	650	U
78-59-1	Isophorone	650	U
88-75-5	2-Nitrophenol	650	U
105-67-9	2,4-Dimethylphenol	650	U
111-91-1	bis(2-Chloroethoxy) Methane	650	U
120-83-2	2,4-Dichlorophenol	650	U
120-82-1	1,2,4-Trichlorobenzene	650	U
91-20-3	Naphthalene	650	U
106-47-8	4-Chloroaniline	650	U
87-68-3	Hexachlorobutadiene	650	U
59-50-7	4-Chloro-3-Methylphenol	650	U
91-57-6	2-Methylnaphthalene	650	U
77-47-4	Hexachlorocyclopentadiene	650	U
88-06-2	2,4,6-Trichlorophenol	650	U
95-95-4	2,4,5-Trichlorophenol	1600	U
91-58-7	2-Chloronaphthalene	650	U
88-74-4	2-Nitroaniline	1600	U
131-11-3	Dimethyl Phthalate	650	U
208-96-8	Acenaphthylene	650	U
606-20-2	2,6-Dinitrotoluene	650	U
99-09-2	3-Nitroaniline	1600	U
83-32-9	Acenaphthene	650	U

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1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

ETD02

Lab Name: DATA CHEM LABS Contract: 68-D1-0080
 Lab Code: DATA C Case No.: 19810 SAS No.: _____ SDG No.: ETD01
 Matrix: (soil/water) SOIL Lab Sample ID: CLP13043
 Sample wt/vol: 30.0 (g/mL) G Lab File ID: DY14CLP043
 Level: (low/med) LOW Date Received: 04/21/93
 % Moisture: 49 decanted: (Y/N) N Date Extracted: 05/01/93
 Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 05/17/93
 Injection Volume: 2.0 (uL) Dilution Factor: 1.0
 GPC Cleanup: (Y/N) Y pH: 6.4

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

51-28-5	2,4-Dinitrophenol	1600	U
100-02-7	4-Nitrophenol	1600	U
132-64-9	Dibenzofuran	650	U
121-14-2	2,4-Dinitrotoluene	650	U
84-66-2	Diethylphthalate	650	U
7005-72-3	4-Chlorophenyl-phenylether	650	U
86-73-7	Fluorene	650	U
100-01-6	4-Nitroaniline	650	U
534-52-1	4,6-Dinitro-2-Methylphenol	1600	U
86-30-6	N-Nitrosodiphenylamine (1)	1600	U
101-55-3	4-Bromophenyl-phenylether	650	U
118-74-1	Hexachlorobenzene	650	U
87-86-5	Pentachlorophenol	650	U
85-01-8	Phenanthrene	1600	U
120-12-7	Anthracene	650	U
86-74-8	Carbazole	650	U
84-74-2	Di-n-Butylphthalate	650	U
206-44-0	Fluoranthene	650	U
129-00-0	Pyrene	650	U
85-68-7	Butylbenzylphthalate	650	U
91-94-1	3,3'-Dichlorobenzidine	650	U
56-55-3	Benzo(a)Anthracene	650	U
218-01-9	Chrysene	650	U
117-81-7	bis(2-Ethylhexyl) Phthalate	650	U
117-84-0	Di-n-Octyl Phthalate	650	U
205-99-2	Benzo(b) Fluoranthene	650	U
207-08-9	Benzo(k) Fluoranthene	650	U
50-32-8	Benzo(a) Pyrene	650	U
193-39-5	Indeno(1,2,3-cd) Pyrene	650	U
53-70-3	Dibenz(a,h) Anthracene	650	U
191-24-2	Benzo(g,h,i) Perylene	650	U

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

JA 50-02
EPA SAMPLE NO.

ETD02

Lab Name: DATA CHEM LABS Contract: 68-D1-0080

Lab Code: DATA C Case No.: 19810 SAS No.: _____ SDG No.: ETD01

Matrix: (soil/water) SOIL Lab Sample ID: CLP13043

Sample wt/vol: 30.0 (g/mL) G Lab File ID: DY14CLP043

Level: (low/med) LOW Date Received: 04/21/93

% Moisture: 49 decanted: (Y/N) N Date Extracted: 05/01/93

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 05/17/93

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

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

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

Number TICs found: 26

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	ALDOL CONDENSATION PRODUCT	9.08	600	AJ
2.	ALDOL CONDENSATION PRODUCT	9.67	280	AJ
3.	ALDOL CONDENSATION PRODUCT	10.13	400	ABX
4.	UNKNOWN OXYHYDROCARBON	10.27	210	J
5.	ALDOL CONDENSATION PRODUCT	10.85	670	AJ
6.	ALDOL CONDENSATION PRODUCT	11.15	440	AJ
7.	ALDOL CONDENSATION PRODUCT	11.28	460	AJ
8.	UNKNOWN OXYHYDROCARBON	15.23	920	J
9.	UNKNOWN OXYHYDROCARBON	23.75	200	J
10.	UNKNOWN OXYHYDROCARBON	25.78	380	J
11.	UNKNOWN LONG CHAIN HYDROCARB	29.58	260	J
12.	UNKNOWN LONG CHAIN HYDROCARB	31.57	400	J
13.	UNKNOWN LONG CHAIN HYDROCARB	33.43	300	J
14.	ALKANE @ C29	34.25	3200	J
15.	UNKNOWN HYDROCARBON	35.20	210	J
16.	UNKNOWN LONG CHAIN HYDROCARB	35.48	850	J
17.	UNKNOWN POLYCYCLIC HYDROCARB	35.60	500	J
18.	UNKNOWN LONG CHAIN HYDROCARB	36.70	240	J
19.	ALKANE @ C31	38.12	2400	J
20.	UNKNOWN HYDROCARBON	39.27	300	J
21.	UNKNOWN LONG CHAIN HYDROCARB	39.62	820	J
22.	UNKNOWN HYDROCARBON	39.80	720	J
23.	UNKNOWN LONG CHAIN HYDROCARB	39.88	1400	J
24.	UNKNOWN LONG CHAIN HYDROCARB	45.60	550	J
25.	UNKNOWN LONG CHAIN HYDROCARB	46.00	990	J
26.	UNKNOWN LONG CHAIN HYDROCARB	46.35	720	J

SFS
4/17/93

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

ETD03

Lab Name: DATA CHEM LABS Contract: 68-D1-0080
 Lab Code: DATA C Case No.: 19810 SAS No.: _____ SDG No.: ETD01
 Matrix: (soil/water) SOIL Lab Sample ID: CLP13044
 Sample wt/vol: 30.0 (g/mL) G Lab File ID: DY15CLP044
 Level: (low/med) LOW Date Received: 04/21/93
 % Moisture: 28 decanted: (Y/N) N Date Extracted: 05/01/93
 Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 05/17/93
 Injection Volume: 2.0 (uL) Dilution Factor: 1.0
 GPC Cleanup: (Y/N) Y pH: 7.4

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/KG</u>	Q
108-95-2	Phenol	460	U
111-44-4	bis(2-Chloroethyl) Ether	460	U
95-57-8	2-Chlorophenol	460	U
541-73-1	1,3-Dichlorobenzene	460	U
106-46-7	1,4-Dichlorobenzene	460	U
95-50-1	1,2-Dichlorobenzene	460	U
95-48-7	2-Methylphenol	460	U
108-60-1	2,2'-oxybis(1-Chloropropane)	460	U
106-44-5	4-Methylphenol	460	U
621-64-7	N-Nitroso-Di-n-Propylamine	460	U
67-72-1	Hexachloroethane	460	U
98-95-3	Nitrobenzene	460	U
78-59-1	Isophorone	460	U
88-75-5	2-Nitrophenol	460	U
105-67-9	2,4-Dimethylphenol	460	U
111-91-1	bis(2-Chloroethoxy)Methane	460	U
120-83-2	2,4-Dichlorophenol	460	U
120-82-1	1,2,4-Trichlorobenzene	460	U
91-20-3	Naphthalene	92	J-
106-47-8	4-Chloroaniline	460	U
87-68-3	Hexachlorobutadiene	460	U
59-50-7	4-Chloro-3-Methylphenol	460	U
91-57-6	2-Methylnaphthalene	180	J-
77-47-4	Hexachlorocyclopentadiene	460	U
88-06-2	2,4,6-Trichlorophenol	460	U
95-95-4	2,4,5-Trichlorophenol	1100	U
91-58-7	2-Chloronaphthalene	460	U
88-74-4	2-Nitroaniline	1100	U
131-11-3	Dimethyl Phthalate	460	U
208-96-8	Acenaphthylene	460	U
606-20-2	2,6-Dinitrotoluene	460	U
99-09-2	3-Nitroaniline	1100	U
83-32-9	Acenaphthene	460	U

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1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SA-50-03
ETD03

Lab Name: DATA CHEM LABS Contract: 68-D1-0080
 Lab Code: DATA C Case No.: 19810 SAS No.: _____ SDG No.: ETD01
 Matrix: (soil/water) SOIL Lab Sample ID: CLP13044
 Sample wt/vol: 30.0 (g/mL) G Lab File ID: DY15CLP044
 Level: (low/med) LOW Date Received: 04/21/93
 % Moisture: 28 decanted: (Y/N) N Date Extracted: 05/01/93
 Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 05/17/93
 Injection Volume: 2.0 (uL) Dilution Factor: 1.0
 GPC Cleanup: (Y/N) Y pH: 7.4

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

51-28-5	2,4-Dinitrophenol	1100	U
100-02-7	4-Nitrophenol	1100	U
132-64-9	Dibenzofuran	60	J-
121-14-2	2,4-Dinitrotoluene	460	U
84-66-2	Diethylphthalate	460	U
7005-72-3	4-Chlorophenyl-phenylether	460	U
86-73-7	Fluorene	460	U
100-01-6	4-Nitroaniline	1100	U
534-52-1	4,6-Dinitro-2-Methylphenol	1100	U
86-30-6	N-Nitrosodiphenylamine (1)	460	U
101-55-3	4-Bromophenyl-phenylether	460	U
118-74-1	Hexachlorobenzene	460	U
87-86-5	Pentachlorophenol	1100	U
85-01-8	Phenanthrene	260	J-
120-12-7	Anthracene	460	U
86-74-8	Carbazole	460	U
84-74-2	Di-n-Butylphthalate	460	U
206-44-0	Fluoranthene	340	J-
129-00-0	Pyrene	260	J-
85-68-7	Butylbenzylphthalate	460	U
91-94-1	3,3'-Dichlorobenzidine	460	U
56-55-3	Benzo(a)Anthracene	150	J-
218-01-9	Chrysene	140	J-
117-81-7	bis(2-Ethylhexyl) Phthalate	190	J-
117-84-0	Di-n-Octyl Phthalate	460	U
205-99-2	Benzo(b) Fluoranthene	460	U
207-08-9	Benzo(k) Fluoranthene	460	U
50-32-8	Benzo(a) Pyrene	460	U
193-39-5	Indeno(1,2,3-cd) Pyrene	460	U
53-70-3	Dibenz(a,h) Anthracene	460	U
191-24-2	Benzo(g,h,i) Perylene	460	U

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

ETD03

Lab Name: DATA CHEM LABS Contract: 68-D1-0080
 Lab Code: DATA C Case No.: 19810 SAS No.: _____ SDG No.: ETD01
 Matrix: (soil/water) SOIL Lab Sample ID: CLP13044
 Sample wt/vol: 30.0 (g/mL) G Lab File ID: DY15CLP044
 Level: (low/med) LOW Date Received: 04/21/93
 % Moisture: 28 decanted: (Y/N) N Date Extracted: 05/01/93
 Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 05/17/93
 Injection Volume: 2.0 (uL) Dilution Factor: 1.0
 GPC Cleanup: (Y/N) Y pH: 7.4

Number TICs found: 28 CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	ALDOL CONDENSATION PRODUCT	9.08	280	AJ
2.	C6 ALKENE	9.17	560	J
3.	ALDOL CONDENSATION PRODUCT	9.22	370	AJ
4.	ALDOL CONDENSATION PRODUCT	9.53	420	AJ
5.	ALDOL CONDENSATION PRODUCT	9.67	160	AJ
6.	ALDOL CONDENSATION PRODUCT	9.90	200	AJ
7.	ALDOL CONDENSATION PRODUCT	10.13	530	ABJd
8.	UNKNOWN OXYHYDROCARBON	10.28	140	J
9.	ALDOL CONDENSATION PRODUCT	10.85	490	AJ
10.	124-18-5 DECANE	11.07	150	JN
11.	ALDOL CONDENSATION PRODUCT	11.17	230	AJ
12.	ALDOL CONDENSATION PRODUCT	11.28	260	AJ
13.	1120-21-4 UNDECANE	12.98	170	JN
14.	ALKANE @ C13	16.27	130	J
15.	90-12-0 1-METHYLNAPHTHALENE	16.78	120	JN
16.	ALKANE @ C14	17.73	110	J
17.	ALKANE @ C15	19.10	100	J
18.	ALKANE @ C17	21.70	410	J
19.	ALKANE @ C19	23.90	93	J
20.	ALKANE @ C23	27.85	180	J
21.	ALKANE @ C24	28.75	160	J
22.	ALKANE @ C25	29.60	300	J
23.	ALKANE @ C26	30.52	150	J
24.	ALKANE @ C27	31.57	470	J
25.	UNKNOWN LONG CHAIN HYDROCARB	33.43	170	J
26.	ALKANE @ C29	34.27	1700	J
27.	ALKANE @ C31	38.13	1400	J
28.	UNKNOWN HYDROCARBON	39.78	290	J

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417

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

ETD04

Lab Name: DATA CHEM LABS Contract: 68-D1-0080

Lab Code: DATA C Case No.: 19810 SAS No.: _____ SDG No.: ETD01

Matrix: (soil/water) SOIL Lab Sample ID: CLP13045

Sample wt/vol: 30.0 (g/mL) G Lab File ID: DY15CLP045

Level: (low/med) LOW Date Received: 04/21/93

% Moisture: 50 decanted: (Y/N) N Date Extracted: 05/01/93

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 05/17/93

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.3

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

108-95-2	Phenol	660	U
111-44-4	bis(2-Chloroethyl) Ether	660	U
95-57-8	2-Chlorophenol	660	U
541-73-1	1,3-Dichlorobenzene	660	U
106-46-7	1,4-Dichlorobenzene	660	U
95-50-1	1,2-Dichlorobenzene	660	U
95-48-7	2-Methylphenol	660	U
108-60-1	2,2'-oxybis(1-Chloropropane)	660	U
106-44-5	4-Methylphenol	660	U
621-64-7	N-Nitroso-Di-n-Propylamine	660	U
67-72-1	Hexachloroethane	660	U
98-95-3	Nitrobenzene	660	U
78-59-1	Isophorone	660	U
88-75-5	2-Nitrophenol	660	U
105-67-9	2,4-Dimethylphenol	660	U
111-91-1	bis(2-Chloroethoxy)Methane	660	U
120-83-2	2,4-Dichlorophenol	660	U
120-82-1	1,2,4-Trichlorobenzene	660	U
91-20-3	Naphthalene	660	U
106-47-8	4-Chloroaniline	660	U
87-68-3	Hexachlorobutadiene	660	U
59-50-7	4-Chloro-3-Methylphenol	660	U
91-57-6	2-Methylnaphthalene	660	U
77-47-4	Hexachlorocyclopentadiene	660	U
88-06-2	2,4,6-Trichlorophenol	660	U
95-95-4	2,4,5-Trichlorophenol	1600	U
91-58-7	2-Chloronaphthalene	660	U
88-74-4	2-Nitroaniline	1600	U
131-11-3	Dimethyl Phthalate	660	U
208-96-8	Acenaphthylene	660	U
606-20-2	2,6-Dinitrotoluene	660	U
99-09-2	3-Nitroaniline	1600	U
83-32-9	Acenaphthene	660	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

54-50-07
ETD04

Lab Name: DATA CHEM LABS Contract: 68-D1-0080

Lab Code: DATA C Case No.: 19810 SAS No.: _____ SDG No.: ETD01

Matrix: (soil/water) SOIL Lab Sample ID: CLP13045

Sample wt/vol: 30.0 (g/mL) G Lab File ID: DY15CLP045

Level: (low/med) LOW Date Received: 04/21/93

% Moisture: 50 decanted: (Y/N) N Date Extracted: 05/01/93

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 05/17/93

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.3

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	1600	U
100-02-7	4-Nitrophenol	1600	U
132-64-9	Dibenzofuran	660	U
121-14-2	2,4-Dinitrotoluene	660	U
84-66-2	Diethylphthalate	660	U
7005-72-3	4-Chlorophenyl-phenylether	660	U
86-73-7	Fluorene	660	U
100-01-6	4-Nitroaniline	1600	U
534-52-1	4,6-Dinitro-2-Methylphenol	1600	U
86-30-6	N-Nitrosodiphenylamine (1)	660	U
101-55-3	4-Bromophenyl-phenylether	660	U
118-74-1	Hexachlorobenzene	660	U
87-86-5	Pentachlorophenol	1600	U
85-01-8	Phenanthrene	660	U
120-12-7	Anthracene	660	U
86-74-8	Carbazole	660	U
84-74-2	Di-n-Butylphthalate	660	U
206-44-0	Fluoranthene	660	U
129-00-0	Pyrene	660	U
85-68-7	Butylbenzylphthalate	660	U
91-94-1	3,3'-Dichlorobenzidine	660	U
56-55-3	Benzo (a) Anthracene	660	U
218-01-9	Chrysene	660	U
117-81-7	bis (2-Ethylhexyl) Phthalate	660	U
117-84-0	Di-n-Octyl Phthalate	660	U
205-99-2	Benzo (b) Fluoranthene	660	U
207-08-9	Benzo (k) Fluoranthene	660	U
50-32-8	Benzo (a) Pyrene	660	U
193-39-5	Indeno (1, 2, 3-cd) Pyrene	660	U
53-70-3	Dibenz (a, h) Anthracene	660	U
191-24-2	Benzo (g, h, i) Perylene	660	U

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

ETD04

Lab Name: DATA CHEM LABS

Contract: 68-D1-0080

Lab Code: DATA C

Case No.: 19810

SAS No.: _____

SDG No.: ETD01

Matrix: (soil/water) SOIL

Lab Sample ID: CLP13045

Sample wt/vol: 30.0 (g/mL) G

Lab File ID: DY15CLP045

Level: (low/med) LOW

Date Received: 04/21/93

% Moisture: 50 decanted: (Y/N) N

Date Extracted: 05/01/93

Concentrated Extract Volume: 500.0 (uL)

Date Analyzed: 05/17/93

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

PC Cleanup: (Y/N) Y

pH: 7.3

Number TICs found: 26

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	ALDOL CONDENSATION PRODUCT	9.08	670	AJ
2.	ALDOL CONDENSATION PRODUCT	9.22	770	AJ
3.	ALDOL CONDENSATION PRODUCT	9.52	870	AJ
4.	ALDOL CONDENSATION PRODUCT	9.67	200	AJ
5.	ALDOL CONDENSATION PRODUCT	9.90	440	AJ
6.	ALDOL CONDENSATION PRODUCT	10.12	1000	ABJU
7.	UNKNOWN OXYHYDROCARBON	10.27	210	J
8.	ALDOL CONDENSATION PRODUCT	10.85	1000	AJ
9.	ALDOL CONDENSATION PRODUCT	11.15	630	AJ
10.	ALDOL CONDENSATION PRODUCT	11.27	640	AJ
11.	ALDOL CONDENSATION PRODUCT	12.05	510	AJ
12.	ALDOL CONDENSATION PRODUCT	12.08	460	AJ
13.	UNKNOWN OXYHYDROCARBON	25.77	320	J
14.	ALKANE @ C23	27.83	190	J
15.	ALKANE @ C24	28.72	220	J
16.	ALKANE @ C25	29.57	350	J
17.	ALKANE @ C26	30.48	170	J
18.	ALKANE @ C27	31.55	480	J
19.	ALKANE @ C28	32.78	330	J
20.	ALKANE @ C29	34.23	2400	J
21.	UNKNOWN HYDROCARBON	36.70	240	J
22.	ALKANE @ C31	38.12	3200	J
23.	UNKNOWN HYDROCARBON	39.25	290	J
24.	UNKNOWN HYDROCARBON	39.77	570	J
25.	ALKANE @ C33	43.80	700	J
26.	UNKNOWN HYDROCARBON	44.72	630	J

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1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

ETD05

Lab Name: DATA CHEM LABS Contract: 68-D1-0080

Lab Code: DATA C Case No.: 19810 SAS No.: _____ SDG No.: ETD01

Matrix: (soil/water) SOIL Lab Sample ID: CLP13046

Sample wt/vol: 30.0 (g/mL) G Lab File ID: DZ13CLP046

Level: (low/med) LOW Date Received: 04/21/93

% Moisture: 30 decanted: (Y/N) N Date Extracted: 05/01/93

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 05/18/93

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 8.9

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/KG</u>	Q
108-95-2	Phenol	470	U
111-44-4	bis(2-Chloroethyl) Ether	470	U
95-57-8	2-Chlorophenol	470	U
541-73-1	1,3-Dichlorobenzene	470	U
106-46-7	1,4-Dichlorobenzene	470	U
95-50-1	1,2-Dichlorobenzene	470	U
95-48-7	2-Methylphenol	470	U
108-60-1	2,2'-oxybis(1-Chloropropane)	470	U
106-44-5	4-Methylphenol	470	U
621-64-7	N-Nitroso-Di-n-Propylamine	470	U
67-72-1	Hexachloroethane	470	U
98-95-3	Nitrobenzene	470	U
78-59-1	Isophorone	470	U
88-75-5	2-Nitrophenol	470	U
105-67-9	2,4-Dimethylphenol	470	U
111-91-1	bis(2-Chloroethoxy)Methane	470	U
120-83-2	2,4-Dichlorophenol	470	U
120-82-1	1,2,4-Trichlorobenzene	470	U
91-20-3	Naphthalene	470	U
106-47-8	4-Chloroaniline	470	U
87-68-3	Hexachlorobutadiene	470	U
59-50-7	4-Chloro-3-Methylphenol	470	U
91-57-6	2-Methylnaphthalene	470	U
77-47-4	Hexachlorocyclopentadiene	470	U
88-06-2	2,4,6-Trichlorophenol	470	U
95-95-4	2,4,5-Trichlorophenol	1100	U
91-58-7	2-Chloronaphthalene	470	U
88-74-4	2-Nitroaniline	1100	U
131-11-3	Dimethyl Phthalate	470	U
208-96-8	Acenaphthylene	470	U
606-20-2	2,6-Dinitrotoluene	470	U
599-09-2	3-Nitroaniline	1100	U
83-32-9	Acenaphthene	470	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

Lab Name: DATA CHEM LABS Contract: 68-D1-0080

ETD05

Lab Code: DATA C Case No.: 19810 SAS No.: _____ SDG No.: ETD01

Matrix: (soil/water) SOIL Lab Sample ID: CLP13046

Sample wt/vol: 30.0 (g/mL) G Lab File ID: DZ13CLP046

Level: (low/med) LOW Date Received: 04/21/93

% Moisture: 30 decanted: (Y/N) N Date Extracted: 05/01/93

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 05/18/93

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 8.9

CAS NO.

COMPOUND

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

Q

51-28-5-----	2,4-Dinitrophenol	1100	U
100-02-7-----	4-Nitrophenol	1100	U
132-64-9-----	Dibenzofuran	470	U
121-14-2-----	2,4-Dinitrotoluene	470	U
84-66-2-----	Diethylphthalate	470	U
7005-72-3-----	4-Chlorophenyl-phenylether	470	U
86-73-7-----	Fluorene	470	U
100-01-6-----	4-Nitroaniline	1100	U
534-52-1-----	4,6-Dinitro-2-Methylphenol	1100	U
86-30-6-----	N-Nitrosodiphenylamine (1)	470	U
101-55-3-----	4-Bromophenyl-phenylether	470	U
118-74-1-----	Hexachlorobenzene	470	U
87-86-5-----	Pentachlorophenol	1100	U
85-01-8-----	Phenanthrene	470	U
120-12-7-----	Anthracene	470	U
86-74-8-----	Carbazole	470	U
84-74-2-----	Di-n-Butylphthalate	93	J-
206-44-0-----	Fluoranthene	470	U
129-00-0-----	Pyrene	470	U
85-68-7-----	Butylbenzylphthalate	470	U
91-94-1-----	3,3'-Dichlorobenzidine	470	U
56-55-3-----	Benzo(a)Anthracene	470	U
218-01-9-----	Chrysene	470	U
117-81-7-----	bis(2-Ethylhexyl)Phthalate	77	J-
117-84-0-----	Di-n-Octyl Phthalate	470	U
205-99-2-----	Benzo(b)Fluoranthene	470	U
207-08-9-----	Benzo(k)Fluoranthene	470	U
50-32-8-----	Benzo(a)Pyrene	470	U
193-39-5-----	Indeno(1,2,3-cd)Pyrene	470	U
53-70-3-----	Dibenz(a,h)Anthracene	470	U
191-24-2-----	Benzo(g,h,i)Perylene	470	U

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1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SA-57-35
ETD05

Lab Name: DATA CHEM LABS Contract: 68-D1-0080

Lab Code: DATA C Case No.: 19810 SAS No.: _____ SDG No.: ETD01

Matrix: (soil/water) SOIL Lab Sample ID: CLP13046

Sample wt/vol: 30.0 (g/mL) G Lab File ID: DZ13CLP046

Level: (low/med) LOW Date Received: 04/21/93

% Moisture: 30 decanted: (Y/N) N Date Extracted: 05/01/93

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 05/18/93

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 8.9

Number TICs found: 28

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	ALDOL CONDENSATION PRODUCT	9.10	95	AJ
2.	UNKNOWN HYDROCARBON	9.23	330	J
3.	ALDOL CONDENSATION PRODUCT	9.25	410	AJ
4.	ALDOL CONDENSATION PRODUCT	9.55	410	AJ
5.	ALDOL CONDENSATION PRODUCT	9.57	210	AJ
6.	ALDOL CONDENSATION PRODUCT	9.92	590	AJ
7.	ALDOL CONDENSATION PRODUCT	<del style="text-align: center;">10.15	<del style="text-align: center;">1700	<del style="text-align: center;">AJ
8.	ALDOL CONDENSATION PRODUCT	10.83	210	AJ
9.	ALDOL CONDENSATION PRODUCT	11.15	370	AJ
10.	ALDOL CONDENSATION PRODUCT	11.27	150	AJ
11.	ALDOL CONDENSATION PRODUCT	12.05	320	AJ
12.	C10 ALKYL BENZENE	20.55	100	J
13.	C11 ALKYL BENZENE	20.90	140	J
14.	C11 ALKYL BENZENE	20.95	130	J
15.	C11 ALKYL BENZENE	21.07	150	J
16.	C11 ALKYL BENZENE	21.82	250	J
17.	C12 ALKYL BENZENE	22.08	260	J
18.	C12 ALKYL BENZENE	22.08	260	J
19.	C12 ALKYL BENZENE	22.30	100	J
20.	C12 ALKYL BENZENE	22.58	100	J
21.	C12 ALKYL BENZENE	23.02	190	J
22.	UNKNOWN LONG CHAIN HYDROCARB	33.50	120	J
23.	ALKANE @ C29	34.33	410	J
24.	UNKNOWN LONG CHAIN HYDROCARB	35.30	300	J
25.	UNKNOWN HYDROCARBON	35.47	260	J
26.	ALKANE @ C31	38.23	450	J
27.	UNKNOWN POLYCYCLIC HYDROCARB	42.27	580	J
28.	ALKANE @ C33	44.00	140	J

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

ETD06

Lab Name: DATA CHEM LABS Contract: 68-D1-0080
 Lab Code: DATA C Case No.: 19810 SAS No.: _____ SDG No.: ETD01
 Matrix: (soil/water) SOIL Lab Sample ID: CLP13047
 Sample wt/vol: 30.0 (g/mL) G Lab File ID: DZ14CLP047
 Level: (low/med) LOW Date Received: 04/21/93
 % Moisture: 51 decanted: (Y/N) N Date Extracted: 05/01/93
 Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 05/18/93
 Injection Volume: 2.0 (uL) Dilution Factor: 1.0
 GPC Cleanup: (Y/N) Y pH: 7.1

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/KG</u>	Q
108-95-2	Phenol	670	U
111-44-4	bis(2-Chloroethyl) Ether	670	U
95-57-8	2-Chlorophenol	670	U
541-73-1	1,3-Dichlorobenzene	670	U
106-46-7	1,4-Dichlorobenzene	670	U
95-50-1	1,2-Dichlorobenzene	670	U
95-48-7	2-Methylphenol	670	U
108-60-1	2,2'-oxybis(1-Chloropropane)	670	U
106-44-5	4-Methylphenol	670	U
621-64-7	N-Nitroso-Di-n-Propylamine	670	U
67-72-1	Hexachloroethane	670	U
98-95-3	Nitrobenzene	670	U
78-59-1	Isophorone	670	U
88-75-5	2-Nitrophenol	670	U
105-67-9	2,4-Dimethylphenol	670	U
111-91-1	bis(2-Chloroethoxy) Methane	670	U
120-83-2	2,4-Dichlorophenol	670	U
120-82-1	1,2,4-Trichlorobenzene	670	U
91-20-3	Naphthalene	670	U
106-47-8	4-Chloroaniline	670	U
87-68-3	Hexachlorobutadiene	670	U
59-50-7	4-Chloro-3-Methylphenol	670	U
91-57-6	2-Methylnaphthalene	670	U
77-47-4	Hexachlorocyclopentadiene	670	U
88-06-2	2,4,6-Trichlorophenol	670	U
95-95-4	2,4,5-Trichlorophenol	1600	U
91-58-7	2-Chloronaphthalene	670	U
88-74-4	2-Nitroaniline	1600	U
131-11-3	Dimethyl Phthalate	670	U
208-26-8	Acenaphthylene	670	U
606-20-2	2,6-Dinitrotoluene	670	U
99-09-2	3-Nitroaniline	1600	U
83-32-9	Acenaphthene	670	U

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1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SA-SD 06
ETD06

Lab Name: DATA CHEM LABS Contract: 68-D1-0080
 Lab Code: DATA C Case No.: 19810 SAS No.: _____ SDG No.: ETD01
 Matrix: (soil/water) SOIL Lab Sample ID: CLP13047
 Sample wt/vol: 30.0 (g/mL) G Lab File ID: DZ14CLP047
 Level: (low/med) LOW Date Received: 04/21/93
 % Moisture: 51 decanted: (Y/N) N Date Extracted: 05/01/93
 Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 05/18/93
 Injection Volume: 2.0 (uL) Dilution Factor: 1.0
 GPC Cleanup: (Y/N) Y pH: 7.1

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

CAS NO. COMPOUND Q

51-28-5	2,4-Dinitrophenol	1600	U
100-02-7	4-Nitrophenol	1600	U
132-64-9	Dibenzofuran	670	U
121-14-2	2,4-Dinitrotoluene	670	U
84-66-2	Diethylphthalate	670	U
7005-72-3	4-Chlorophenyl-phenylether	670	U
86-73-7	Fluorene	670	U
100-01-6	4-Nitroaniline	1600	U
534-52-1	4,6-Dinitro-2-Methylphenol	1600	U
86-30-6	N-Nitrosodiphenylamine (1)	670	U
101-55-3	4-Bromophenyl-phenylether	670	U
118-74-1	Hexachlorobenzene	670	U
87-86-5	Pentachlorophenol	1600	U
85-01-8	Phenanthrene	670	U
120-12-7	Anthracene	670	U
86-74-8	Carbazole	670	U
84-74-2	Di-n-Butylphthalate	670	U
206-44-0	Fluoranthene	670	U
129-00-0	Pyrene	670	U
85-68-7	Butylbenzylphthalate	670	U
91-94-1	3,3'-Dichlorobenzidine	670	U
56-55-3	Benzo(a)Anthracene	670	U
218-01-9	Chrysene	670	U
117-81-7	bis(2-Ethylhexyl) Phthalate	670	U
117-84-0	Di-n-Octyl Phthalate	670	U
205-99-2	Benzo(i) Fluoranthene	670	U
207-08-9	Benzo(k) Fluoranthene	670	U
50-32-8	Benzo(a) Pyrene	670	U
193-39-5	Indeno(1,2,3-cd) Pyrene	670	U
53-70-3	Dibenz(a,h) Anthracene	670	U
191-24-2	Benzo(g,h,i) Perylene	670	U

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

ETD06

Lab Name: DATA CHEM LABS Contract: 68-D1-0080
 Lab Code: DATA C Case No.: 19810 SAS No.: _____ SDG No.: ETD01
 Matrix: (soil/water) SOIL Lab Sample ID: CLP13047
 Sample wt/vol: 30.0 (g/mL) G Lab File ID: DZ14CLP047
 Level: (low/med) LOW Date Received: 04/21/93
 % Moisture: 51 decanted: (Y/N) N Date Extracted: 05/01/93
 Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 05/18/93
 Injection Volume: 2.0 (uL) Dilution Factor: 1.0
 GPC Cleanup: (Y/N) Y pH: 7.1

Number TICs found: 27

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	ALDOL CONDENSATION PRODUCT	8.98	220	AJ
2.	ALDOL CONDENSATION PRODUCT	9.12	400	AJ
3.	ALDOL CONDENSATION PRODUCT	9.45	370	AJ
4.	ALDOL CONDENSATION PRODUCT	9.83	1100	AJ
5.	ALDOL CONDENSATION PRODUCT	10.03	300	AJ
6.	ALDOL CONDENSATION PRODUCT	11.22	420	AJ
7.	ALDOL CONDENSATION PRODUCT	12.02	380	AJ
8.	C11 ALKYL BENZENE	20.97	510	J
9.	C11 ALKYL BENZENE	21.10	250	J
10.	C11 ALKYL BENZENE	21.83	270	J
11.	C12 ALKYL BENZENE	22.17	200	J
12.	C12 ALKYL BENZENE	22.32	200	J
13.	C12 ALKYL BENZENE	23.05	250	J
14.	UNKNOWN OXYHYDROCARBON	23.37	340	J
15.	UNKNOWN CYCLIC HYDROCARBON	23.77	350	J
16. 57-10-3	HEXADECANOIC ACID	24.55	380	JN
17.	ALKANE @ C23	27.88	190	J
18.	UNKNOWN POLYCYCLIC HYDROCARB	29.58	170	J
19.	ALKANE @ C25	29.63	490	J
20.	UNKNOWN CYCLIC HYDROCARBON	30.52	190	J
21.	ALKANE @ C26	30.55	230	J
22.	UNKNOWN AROMATIC, MW=274	31.25	180	J
23.	ALKANE @ C27	31.62	1100	J
24.	UNKNOWN PNA	32.08	260	J
25. 111-02-4	SQUALENE	33.50	930	JN
26.	ALKANE @ C29	34.35	5000	J
27.	ALKANE @ C31	38.27	3500	J

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

ETD07

Lab Name: DATA CHEM LABS Contract: 68-D1-0080

Lab Code: DATA C Case No.: 19810 SAS No.: _____ SDG No.: ETD01

Matrix: (soil/water) SOIL Lab Sample ID: CLP13048

Sample wt/vol: 30.0 (g/mL) G Lab File ID: DZ15CLP048

Level: (low/med) LOW Date Received: 04/21/93

% Moisture: 44 decanted: (Y/N) N Date Extracted: 05/01/93

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 05/18/93

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

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

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

CAS NO. COMPOUND Q

108-95-2	Phenol	590	U
111-44-4	bis(2-Chloroethyl) Ether	590	U
95-57-8	2-Chlorophenol	590	U
541-73-1	1,3-Dichlorobenzene	590	U
106-46-7	1,4-Dichlorobenzene	590	U
95-50-1	1,2-Dichlorobenzene	590	U
95-48-7	2-Methylphenol	590	U
108-60-1	2,2'-oxybis(1-Chloropropane)	590	U
106-44-5	4-Methylphenol	590	U
621-64-7	N-Nitroso-Di-n-Propylamine	590	U
67-72-1	Hexachloroethane	590	U
98-95-3	Nitrobenzene	590	U
78-59-1	Isophorone	590	U
88-75-5	2-Nitrophenol	590	U
105-67-9	2,4-Dimethylphenol	590	U
111-91-1	bis(2-Chloroethoxy)Methane	590	U
120-83-2	2,4-Dichlorophenol	590	U
120-82-1	1,2,4-Trichlorobenzene	590	U
91-20-3	Naphthalene	590	U
106-47-8	4-Chloroaniline	590	U
87-68-3	Hexachlorobutadiene	590	U
59-50-7	4-Chloro-3-Methylphenol	590	U
91-57-6	2-Methylnaphthalene	590	U
77-47-4	Hexachlorocyclopentadiene	590	U
88-06-2	2,4,6-Trichlorophenol	590	U
95-95-4	2,4,5-Trichlorophenol	1400	U
91-58-7	2-Chloronaphthalene	590	U
88-74-4	2-Nitroaniline	1400	U
131-11-3	Dimethyl Phthalate	590	U
208-96-8	Acenaphthylene	590	U
606-20-2	2,6-Dinitrotoluene	590	U
99-09-2	3-Nitroaniline	1400	U
83-32-9	Acenaphthene	590	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

ETD07

Lab Name: DATA CHEM LABS Contract: 68-D1-0080

Lab Code: DATA C Case No.: 19810 SAS No.: _____ SDG No.: ETD01

Matrix: (soil/water) SOIL Lab Sample ID: CLP13048

Sample wt/vol: 30.0 (g/mL) G Lab File ID: DZ15CLP048

Level: (low/med) LOW Date Received: 04/21/93

% Moisture: 44 decanted: (Y/N) N Date Extracted: 05/01/93

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 05/18/93

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

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

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

CAS NO. COMPOUND Q

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/KG</u>	Q
51-28-5	2,4-Dinitrophenol	1400	U
100-02-7	4-Nitrophenol	1400	U
132-64-9	Dibenzofuran	590	U
121-14-2	2,4-Dinitrotoluene	590	U
84-66-2	Diethylphthalate	590	U
7005-72-3	4-Chlorophenyl-phenylether	590	U
86-73-7	Fluorene	590	U
100-01-6	4-Nitroaniline	1400	U
534-52-1	4,6-Dinitro-2-Methylphenol	1400	U
86-30-6	N-Nitrosodiphenylamine (1)	590	U
101-55-3	4-Bromophenyl-phenylether	590	U
118-74-1	Hexachlorobenzene	590	U
87-86-5	Pentachlorophenol	1400	U
85-01-8	Phenanthrene	590	U
120-12-7	Anthracene	590	U
86-74-8	Carbazole	590	U
84-74-2	Di-n-Butylphthalate	100	J
206-44-0	Fluoranthene	590	U
129-00-0	Pyrene	590	U
85-68-7	Butylbenzylphthalate	590	U
91-94-1	3,3'-Dichlorobenzidine	590	U
56-55-3	Benzo(a)Anthracene	590	U
218-01-9	Chrysene	590	U
117-81-7	bis(2-Ethylhexyl) Phthalate	590	U
117-84-0	Di-n-Octyl Phthalate	590	U
205-99-2	Benzo(b) Fluoranthene	590	U
207-08-9	Benzo(k) Fluoranthene	590	U
50-32-8	Benzo(a) Pyrene	590	U
193-39-5	Indeno(1,2,3-cd) Pyrene	590	U
53-70-3	Dibenz(a,h) Anthracene	590	U
191-24-2	Benzo(g,h,i) Perylene	590	U

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

3A-SD-07
ETD07

Lab Name: DATA CHEM LABS Contract: 68-D1-0080
 Lab Code: DATA C Case No.: 19810 SAS No.: _____ SDG No.: ETD01
 Matrix: (soil/water) SOIL Lab Sample ID: CLP13048
 Sample wt/vol: 30.0 (g/mL) G Lab File ID: DZ15CLP048
 Level: (low/med) LOW Date Received: 04/21/93
 % Moisture: 44 decanted: (Y/N) N Date Extracted: 05/01/93
 Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 05/18/93
 Injection Volume: 2.0 (uL) Dilution Factor: 1.0
 GPC Cleanup: (Y/N) Y pH: 6.9

Number TICs found: 25

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	ALDOL CONDENSATION PRODUCT	9.17	350	AJ
2.	ALDOL CONDENSATION PRODUCT	9.48	730	AJ
3.	ALDOL CONDENSATION PRODUCT	9.85	1000	AJ
4.	ALDOL CONDENSATION PRODUCT	10.80	980	AJ
5.	ALDOL CONDENSATION PRODUCT	11.25	1000	AJ
6. 629-78-7	HEPTADECANE	21.63	860	JN
7.	ALKANE @ C18	22.17	990	J
8.	UNKNOWN OXYHYDROCARBON	23.77	620	J
9.	UNKNOWN LONG CHAIN HYDROCARB	23.85	260	J
10.	UNKNOWN LONG CHAIN HYDROCARB	25.62	160	J
11.	C8 ADIPATE	28.82	180	J
12.	ALKANE @ C25	29.63	260	J
13.	ALKANE @ C27	31.63	290	J
14. 111-02-4	SQUALENE	33.53	450	JN
15.	UNKNOWN POLYCYCLIC HYDROCARB	34.23	180	J
16.	ALKANE @ C29	34.37	810	J
17.	UNKNOWN LONG CHAIN HYDROCARB	34.90	420	J
18.	UNKNOWN HYDROCARBON	35.78	580	J
19.	ALKANE @ C31	38.28	590	J
20.	UNKNOWN POLYCYCLIC HYDROCARB	39.42	360	J
21.	UNKNOWN LONG CHAIN HYDROCARB	40.07	230	J
22.	UNKNOWN LONG CHAIN HYDROCARB	44.07	200	J
23.	UNKNOWN LONG CHAIN HYDROCARB	45.88	480	J
24.	UNKNOWN LONG CHAIN HYDROCARB	46.27	320	J
25.	UNKNOWN LONG CHAIN HYDROCARB	46.65	240	J

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

ETD08

Lab Name: DATA CHEM LABS Contract: 68-D1-0080

Lab Code: DATA C Case No.: 19810 SAS No.: _____ SDG No.: ETD01

Matrix: (soil/water) SOIL Lab Sample ID: CLP13049

Sample wt/vol: 30.0 (g/mL) G Lab File ID: DZ16CLP049

Level: (low/med) LOW Date Received: 04/21/93

% Moisture: 46 decanted: (Y/N) N Date Extracted: 05/01/93

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 05/18/93

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.6

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

CAS NO.	COMPOUND	CONCENTRATION UNITS:	Q
108-95-2	Phenol	610	U
111-44-4	bis(2-Chloroethyl) Ether	610	U
95-57-8	2-Chlorophenol	610	U
541-73-1	1,3-Dichlorobenzene	610	U
106-46-7	1,4-Dichlorobenzene	610	U
95-50-1	1,2-Dichlorobenzene	610	U
95-48-7	2-Methylphenol	610	U
108-60-1	2,2'-oxybis(1-Chloropropane)	610	U
106-44-5	4-Methylphenol	280	J-
621-64-7	N-Nitroso-Di-n-Propylamine	610	U
67-72-1	Hexachloroethane	610	U
98-95-3	Nitrobenzene	610	U
78-59-1	Isophorone	610	U
88-75-5	2-Nitrophenol	610	U
105-67-9	2,4-Dimethylphenol	610	U
111-91-1	bis(2-Chloroethoxy)Methane	610	U
120-83-2	2,4-Dichlorophenol	610	U
120-82-1	1,2,4-Trichlorobenzene	610	U
91-20-3	Naphthalene	610	U
106-47-8	4-Chloroaniline	610	U
87-68-3	Hexachlorobutadiene	610	U
59-50-7	4-Chloro-3-Methylphenol	610	U
91-57-6	2-Methylnaphthalene	610	U
77-47-4	Hexachlorocyclopentadiene	610	U
88-06-2	2,4,6-Trichlorophenol	610	U
95-95-4	2,4,5-Trichlorophenol	1500	U
91-58-7	2-Chloronaphthalene	610	U
88-74-4	2-Nitroaniline	1500	U
131-11-3	Dimethyl Phthalate	610	U
208-96-8	Acenaphthylene	610	U
606-20-2	2,6-Dinitrotoluene	610	U
99-09-2	3-Nitroaniline	1500	U
83-32-9	Acenaphthene	610	U

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1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

5A-55 X
ETD08

Lab Name: DATA CHEM LABS Contract: 68-D1-0080
 Lab Code: DATA C Case No.: 19810 SAS No.: _____ SDG No.: ETD01
 Matrix: (soil/water) SOIL Lab Sample ID: CLP13049
 Sample wt/vol: 30.0 (g/mL) G Lab File ID: DZ16CLP049
 Level: (low/med) LOW Date Received: 04/21/93
 % Moisture: 46 decanted: (Y/N) N Date Extracted: 05/01/93
 Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 05/18/93
 Injection Volume: 2.0 (uL) Dilution Factor: 1.0
 GPC Cleanup: (Y/N) Y pH: 7.6

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

51-28-5	2,4-Dinitrophenol	1500	U
100-02-7	4-Nitrophenol	1500	U
132-64-9	Dibenzofuran	610	U
121-14-2	2,4-Dinitrotoluene	610	U
84-66-2	Diethylphthalate	610	U
7005-72-3	4-Chlorophenyl-phenylether	610	U
86-73-7	Fluorene	610	U
100-01-6	4-Nitroaniline	1500	U
534-52-1	4,6-Dinitro-2-Methylphenol	1500	U
36-30-6	N-Nitrosodiphenylamine (1)	610	U
101-55-3	4-Bromophenyl-phenylether	610	U
118-74-1	Hexachlorobenzene	610	U
87-86-5	Pentachlorophenol	1500	U
85-01-8	Phenanthrene	610	U
120-12-7	Anthracene	610	U
86-74-8	Carbazole	610	U
84-74-2	Di-n-Butylphthalate	100	J-
206-44-0	Fluoranthene	610	U
129-00-0	Pyrene	610	U
85-68-7	Butylbenzylphthalate	610	U
91-94-1	3,3'-Dichlorobenzidine	610	U
56-55-3	Benzo(a)Anthracene	610	U
218-01-9	Chrysene	610	U
117-81-7	bis(2-Ethylhexyl) Phthalate	610	U
117-84-0	Di-n-Octyl Phthalate	610	U
205-99-2	Benzo(b) Fluoranthene	610	U
207-08-9	Benzo(k) Fluoranthene	610	U
50-32-8	Benzo(a) Pyrene	610	U
193-39-5	Indeno(1,2,3-cd) Pyrene	610	U
53-70-3	Dibenz(a,h) Anthracene	610	U
191-24-2	Benzo(g,h,i) Perylene	610	U

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: DATA CHEM LABS Contract: 68-D1-0080

ETD08

Lab Code: DATA C Case No.: 19810 SAS No.: _____ SDG No.: ETD01

Matrix: (soil/water) SOIL Lab Sample ID: CLP13049

Sample wt/vol: 30.0 (g/mL) G Lab File ID: DZ16CLP049

Level: (low/med) LOW Date Received: 04/21/93

% Moisture: 46 decanted: (Y/N) N Date Extracted: 05/01/93

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 05/18/93

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.6

Number TICs found: 27

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	ALDOL CONDENSATION PRODUCT	9.00	150	AJ
2.	ALDOL CONDENSATION PRODUCT	9.15	460	AJ
3.	ALDOL CONDENSATION PRODUCT	9.83	760	AJ
4.	ALDOL CONDENSATION PRODUCT	10.07	440	ABJU
5.	ALDOL CONDENSATION PRODUCT	11.13	350	AJ
6.	ALDOL CONDENSATION PRODUCT	11.25	690	AJ
7.	ALDOL CONDENSATION PRODUCT	12.03	450	AJ
8.	ALKENE @C17	21.57	1000	J
9. 629-78-7	HEPTADECANE	21.65	630	JN
10.	ALKENE @C17	21.85	170	J
11.	ALKANE @C18	22.17	600	J
12.	UNKNOWN CYCLIC HYDROCARBON	23.30	120	J
13. 57-10-3	HEXADECANOIC ACID	24.57	460	JN
14.	ALKANE @C23	27.88	170	J
15.	ALKANE @C26	29.63	290	J
16.	ALKANE @C27	31.63	590	J
17. 111-02-4	SQUALENE	33.52	910	JN
18.	ALKANE @C29	34.37	1800	J
19.	UNKNOWN ALDEHYDE	34.75	420	J
20.	UNKNOWN CYCLIC HYDROCARBON	34.90	240	J
21.	UNKNOWN LONG CHAIN HYDROCARB	35.58	620	J
22.	UNKNOWN LONG CHAIN HYDROCARB	35.67	880	J
23.	ALKANE @C31	38.27	970	J
24.	UNKNOWN POLYCYCLIC HYDROCARB	39.38	230	J
25.	UNKNOWN LONG CHAIN HYDROCARB	39.78	700	J
26.	UNKNOWN LONG CHAIN HYDROCARB	40.05	350	J
27.	UNKNOWN LONG CHAIN HYDROCARB	46.23	500	J

SRs
6/17

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

ETD09

Lab Name: DATA CHEM LABS Contract: 68-D1-0080
 Lab Code: DATA C Case No.: 19810 SAS No.: _____ SDG No.: ETD01
 Matrix: (soil/water) SOIL Lab Sample ID: CLP13050
 Sample wt/vol: 30.0 (g/mL) G Lab File ID: DZ17CLP050
 Level: (low/med) LOW Date Received: 04/21/93
 % Moisture: 23 decanted: (Y/N) N Date Extracted: 05/01/93
 Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 05/18/93
 Injection Volume: 2.0 (uL) Dilution Factor: 1.0
 GPC Cleanup: (Y/N) Y pH: 10.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/KG</u>	Q
108-95-2	Phenol	430	U
111-44-4	bis(2-Chloroethyl) Ether	430	U
95-57-8	2-Chlorophenol	430	U
541-73-1	1,3-Dichlorobenzene	430	U
106-46-7	1,4-Dichlorobenzene	430	U
95-50-1	1,2-Dichlorobenzene	430	U
95-48-7	2-Methylphenol	430	U
108-60-1	2,2'-oxybis(1-Chloropropane)	430	U
106-44-5	4-Methylphenol	430	U
621-64-7	N-Nitroso-Di-n-Propylamine	430	U
67-72-1	Hexachloroethane	430	U
98-95-3	Nitrobenzene	430	U
78-59-1	Isophorone	430	U
88-75-5	2-Nitrophenol	430	U
105-67-9	2,4-Dimethylphenol	430	U
111-91-1	bis(2-Chloroethoxy)Methane	430	U
120-83-2	2,4-Dichlorophenol	430	U
120-82-1	1,2,4-Trichlorobenzene	430	U
91-20-3	Naphthalene	430	U
106-47-8	4-Chloroaniline	430	U
87-68-3	Hexachlorobutadiene	430	U
59-50-7	4-Chloro-3-Methylphenol	430	U
91-57-6	2-Methylnaphthalene	430	U
77-47-4	Hexachlorocyclopentadiene	430	U
88-06-2	2,4,6-Trichlorophenol	430	U
95-95-4	2,4,5-Trichlorophenol	430	U
91-58-7	2-Chloronaphthalene	1000	U
88-74-4	2-Nitroaniline	430	U
131-11-3	Dimethyl Phthalate	1000	U
208-96-8	Acenaphthylene	430	U
606-20-2	2,6-Dinitrotoluene	430	U
99-09-2	3-Nitroaniline	430	U
7889 32-9	Acenaphthene	1000	U
		430	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

ETD09

Lab Name: DATA CHEM LABS Contract: 68-D1-0080
 Lab Code: DATA C Case No.: 19810 SAS No.: _____ SDG No.: ETD01
 Matrix: (soil/water) SOIL Lab Sample ID: CLP13050
 Sample wt/vol: 30.0 (g/mL) G Lab File ID: DZ17CLP050
 Level: (low/med) LOW Date Received: 04/21/93
 % Moisture: 23 decanted: (Y/N) N Date Extracted: 05/01/93
 Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 05/18/93
 Injection Volume: 2.0 (uL) Dilution Factor: 1.0
 CPC Cleanup: (Y/N) Y pH: 10.0

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

51-28-5	2,4-Dinitrophenol	1000	U
100-02-7	4-Nitrophenol	1000	U
132-64-9	Dibenzofuran	430	U
121-14-2	2,4-Dinitrotoluene	430	U
84-66-2	Diethylphthalate	430	U
7005-72-3	4-Chlorophenyl-phenylether	430	U
86-73-7	Fluorene	430	U
100-01-6	4-Nitroaniline	1000	U
534-52-1	4,6-Dinitro-2-Methylphenol	1000	U
86-30-6	N-Nitrosodiphenylamine (1)	430	U
101-55-3	4-Bromophenyl-phenylether	430	U
118-74-1	Hexachlorobenzene	430	U
87-86-5	Pentachlorophenol	1000	U
85-01-8	Phenanthrene	430	U
120-12-7	Anthracene	430	U
86-74-8	Carbazole	430	U
84-74-2	Di-n-Butylphthalate	430	U
206-44-0	Fluoranthene	430	U
129-00-0	Pyrene	430	U
85-68-7	Butylbenzylphthalate	430	U
91-94-1	3,3'-Dichlorobenzidine	430	U
56-55-3	Benzo(a)Anthracene	430	U
218-01-9	Chrysene	430	U
117-81-7	bis(2-Ethylhexyl) Phthalate	430	U
117-84-0	Di-n-Octyl Phthalate	430	U
205-99-2	Benzo(b) Fluoranthene	430	U
207-08-9	Benzo(k) Fluoranthene	430	U
50-32-8	Benzo(a) Pyrene	430	U
193-39-5	Indeno(1,2,3-cd) Pyrene	430	U
53-70-3	Dibenz(a,h) Anthracene	430	U
191-24-2	Benzo(g,h,i) Perylene	430	U

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SA-30-09
ETD09

Lab Name: DATA CHEM LABS Contract: 68-D1-0080
 Lab Code: DATA C Case No.: 19810 SAS No.: _____ SDG No.: ETD01
 Matrix: (soil/water) SOIL Lab Sample ID: CLP13050
 Sample wt/vol: 30.0 (g/mL) G Lab File ID: DZ17CLP050
 Level: (low/med) LOW Date Received: 04/21/93
 % Moisture: 23 decanted: (Y/N) N Date Extracted: 05/01/93
 Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 05/18/93
 Injection Volume: 2.0 (uL) Dilution Factor: 1.0
 GPC Cleanup: (Y/N) Y pH: 10.0

Number TICs found: 9

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	ALDOL CONDENSATION PRODUCT	9.17	230	AJ
2.	ALDOL CONDENSATION PRODUCT	9.48	520	AJ
3.	ALDOL CONDENSATION PRODUCT	9.85	700	AJ
4.	ALDOL CONDENSATION PRODUCT	10.88	140	ABJ
5.	ALDOL CONDENSATION PRODUCT	10.80	260	AJ
6.	C11 ALKYL BENZENE	21.83	120	J
7.	C12 ALKYL BENZENE	23.05	94	J
8.	ALKANE @C29	34.35	100	J
9.	UNKNOWN LONG CHAIN HYDROCARB	38.25	110	J

SPC
6/17

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

ETD10

Lab Name: DATA CHEM LABS Contract: 68-D1-0080
 Lab Code: DATA C Case No.: 19810 SAS No.: _____ SDG No.: ETD01
 Matrix: (soil/water) SOIL Lab Sample ID: CLP13051
 Sample wt/vol: 30.0 (g/mL) G Lab File ID: DZ18CLP051
 Level: (low/med) LOW Date Received: 04/21/93
 % Moisture: 86 decanted: (Y/N) N Date Extracted: 05/01/93
 Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 05/18/93
 Injection Volume: 2.0 (uL) Dilution Factor: 1.0
 GPC Cleanup: (Y/N) Y pH: 7.1

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

108-95-2	Phenol	2400	U
111-44-4	bis(2-Chloroethyl) Ether	2400	U
95-57-8	2-Chlorophenol	2400	U
541-73-1	1,3-Dichlorobenzene	2400	U
106-46-7	1,4-Dichlorobenzene	2400	U
95-50-1	1,2-Dichlorobenzene	2400	U
95-48-7	2-Methylphenol	2400	U
108-60-1	2,2'-oxybis(1-Chloropropane)	2400	U
106-44-5	4-Methylphenol	2400	U
621-64-7	N-Nitroso-Di-n-Propylamine	2400	U
67-72-1	Hexachloroethane	2400	U
98-95-3	Nitrobenzene	2400	U
78-59-1	Isophrone	2400	U
88-75-5	2-Nitrophenol	2400	U
105-67-9	2,4-Dimethylphenol	2400	U
111-91-1	bis(2-Chloroethoxy)Methane	2400	U
120-83-2	2,4-Dichlorophenol	2400	U
120-82-1	1,2,4-Trichlorobenzene	2400	U
91-20-3	Naphthalene	2400	U
106-47-8	4-Chloroaniline	2400	U
87-68-3	Hexachlorobutadiene	2400	U
59-50-7	4-Chloro-3-Methylphenol	2400	U
91-57-6	2-Methylnaphthalene	2400	U
77-47-4	Hexachlorocyclopentadiene	2400	U
88-06-2	2,4,6-Trichlorophenol	2400	U
95-95-4	2,4,5-Trichlorophenol	2400	U
91-58-7	2-Chloronaphthalene	5700	U
88-74-4	2-Nitroaniline	2400	U
131-11-3	Dimethyl Phthalate	5700	U
208-96-8	Acenaphthylene	2400	U
606-20-2	2,6-Dinitrotoluene	2400	U
99-09-2	3-Nitroaniline	2400	U
83-32-9	Acenaphthene	5700	U
		2400	U

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1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

5A-50-10
ETD10

Lab Name: DATA CHEM LABS Contract: 68-D1-0080
 Lab Code: DATA C Case No.: 19810 SAS No.: _____ SDG No.: ETD01
 Matrix: (soil/water) SOIL Lab Sample ID: CLP13051
 Sample wt/vol: 30.0 (g/mL) G Lab File ID: DZ18CLP051
 Level: (low/med) LOW Date Received: 04/21/93
 % Moisture: 86 decanted: (Y/N) N Date Extracted: 05/01/93
 Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 05/18/93
 Injection Volume: 2.0 (uL) Dilution Factor: 1.0
 GPC Cleanup: (Y/N) Y pH: 7.1

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	5700	U
100-02-7	4-Nitrophenol	5700	U
132-64-9	Dibenzofuran	2400	U
121-14-2	2,4-Dinitrotoluene	2400	U
84-66-2	Diethylphthalate	2400	U
7005-72-3	4-Chlorophenyl-phenylether	2400	U
86-73-7	Fluorene	2400	U
100-01-6	4-Nitroaniline	5700	U
534-52-1	4,6-Dinitro-2-Methylphenol	5700	U
86-30-6	N-Nitrosodiphenylamine (1)	2400	U
101-55-3	4-Bromophenyl-phenylether	2400	U
118-74-1	Hexachlorobenzene	2400	U
87-86-5	Pentachlorophenol	5700	U
85-01-8	Phenanthrene	2400	U
120-12-7	Anthracene	2400	U
86-74-8	Carbazole	2400	U
84-74-2	Di-n-Butylphthalate	2400	U
206-44-0	Fluoranthene	2400	U
129-00-0	Pyrene	2400	U
85-68-7	Butylbenzylphthalate	2400	U
91-94-1	3,3'-Dichlorobenzidine	2400	U
56-55-3	Benzo(a)Anthracene	2400	U
218-01-9	Chrysene	2400	U
117-81-7	bis(2-Ethylhexyl) Phthalate	250	J
117-84-0	Di-n-Octyl Phthalate	2400	U
205-99-2	Benzo(b) Fluoranthene	2400	U
207-08-9	Benzo(k) Fluoranthene	2400	U
50-32-8	Benzo(a) Pyrene	2400	U
193-39-5	Indeno(1,2,3-cd) Pyrene	2400	U
53-70-3	Dibenz(a,h) Anthracene	2400	U
191-24-2	Benzo(g,h,i) Perylene	2400	U

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1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

ETD10

Lab Name: DATA CHEM LABS Contract: 68-D1-0080

Lab Code: DATA C Case No.: 19810 SAS No.: _____ SDG No.: ETD01

Matrix: (soil/water) SOIL Lab Sample ID: CLP13051

Sample wt/vol: 30.0 (g/mL) G Lab File ID: DZ18CLP051

Level: (low/med) LOW Date Received: 04/21/93

% Moisture: 86 decanted: (Y/N) N Date Extracted: 05/01/93

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 05/18/93

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

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

Number TICs found: 27

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	ALDOL CONDENSATION PRODUCT	9.00	980	AJ
2.	ALDOL CONDENSATION PRODUCT	9.13	2000	AJ
3.	ALDOL CONDENSATION PRODUCT	9.47	1600	AJ
4.	ALDOL CONDENSATION PRODUCT	9.83	6800	AJ
5.	ALDOL CONDENSATION PRODUCT	10.05	1600	ABJa
6.	ALDOL CONDENSATION PRODUCT	11.10	690	AJ
7.	ALDOL CONDENSATION PRODUCT	11.22	1700	AJ
8.	ALDOL CONDENSATION PRODUCT	12.00	2200	AJ
9.	ALDOL CONDENSATION PRODUCT	12.05	1800	AJ
10.	UNKNOWN ALDEHYDE	27.23	2600	J
11.	ALKANE @ C23	27.87	720	J
12.	UNKNOWN ALDEHYDE	29.08	1500	J
13.	ALKANE @ C25	29.62	1300	J
14.	UNKNOWN ALDEHYDE	29.97	650	J
15.	UNKNOWN ALDEHYDE	30.97	550	J
16.	ALKANE @ C27	31.60	2400	J
17.	ALKANE @ C28	32.87	620	J
18.	UNKNOWN ALDEHYDE	33.50	1600	J
19.	ALKANE @ C29	34.35	6300	J
20.	UNKNOWN LONG CHAIN HYDROCARB	34.73	890	J
21.	ALKANE @ C31	38.25	2100	J
22.	UNKNOWN POLYCYCLIC HYDROCARB	39.38	1300	J
23.	UNKNOWN POLYCYCLIC HYDROCARB	39.87	590	J
24.	UNKNOWN POLYCYCLIC HYDROCARB	41.58	690	J
25.	UNKNOWN HYDROCARBON	44.03	940	J
26.	UNKNOWN HYDROCARBON	44.98	520	J
27.	UNKNOWN HYDROCARBON	47.17	1800	J

Handwritten initials/signature

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

ETD11

Lab Name: DATA CHEM LABS Contract: 68-D1-0080

Lab Code: DATA C Case No.: 19810 SAS No.: _____ SDG No.: ETD01

Matrix: (soil/water) SOIL Lab Sample ID: CLP13052

Sample wt/vol: 30.0 (g/mL) G Lab File ID: DZ19CLP052

Level: (low/med) LOW Date Received: 04/21/93

% Moisture: 55 decanted: (Y/N) N Date Extracted: 05/01/93

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 05/18/93

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

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

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

108-95-2	Phenol	730	U
111-44-4	bis(2-Chloroethyl) Ether	730	U
95-57-8	2-Chlorophenol	730	U
541-73-1	1,3-Dichlorobenzene	730	U
106-46-7	1,4-Dichlorobenzene	730	U
95-50-1	1,2-Dichlorobenzene	730	U
95-48-7	2-Methylphenol	730	U
108-60-1	2,2'-oxybis(1-Chloropropane)	730	U
106-44-5	4-Methylphenol	730	U
621-64-7	N-Nitroso-Di-n-Propylamine	730	U
67-72-1	Hexachloroethane	730	U
98-95-3	Nitrobenzene	730	U
78-59-1	Isophorone	730	U
88-75-5	2-Nitrophenol	730	U
105-67-9	2,4-Dimethylphenol	730	U
111-91-1	bis(2-Chloroethoxy)Methane	730	U
120-83-2	2,4-Dichlorophenol	730	U
120-82-1	1,2,4-Trichlorobenzene	730	U
91-20-3	Naphthalene	730	U
106-47-8	4-Chloroaniline	730	U
87-68-3	Hexachlorobutadiene	730	U
59-50-7	4-Chloro-3-Methylphenol	730	U
91-57-6	2-Methylnaphthalene	730	U
77-47-4	Hexachlorocyclopentadiene	730	U
88-06-2	2,4,6-Trichlorophenol	730	U
95-95-4	2,4,5-Trichlorophenol	1800	U
91-58-7	2-Chloronaphthalene	730	U
88-74-4	2-Nitroaniline	1800	U
131-11-3	Dimethyl Phthalate	730	U
208-96-8	Acenaphthylene	730	U
606-20-2	2,6-Dinitrotoluene	730	U
99-09-2	3-Nitroaniline	1800	U
83-32-9	Acenaphthene	730	U

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1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

ETD11

Lab Name: DATA CHEM LABS Contract: 68-D1-0080

Lab Code: DATA C Case No.: 19810 SAS No.: _____ SDG No.: ETD01

Matrix: (soil/water) SOIL Lab Sample ID: CLP13052

Sample wt/vol: 30.0 (g/mL) G Lab File ID: DZ19CLP052

Level: (low/med) LOW Date Received: 04/21/93

% Moisture: 55 decanted: (Y/N) N Date Extracted: 05/01/93

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 05/18/93

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

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

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/KG</u>	Q
51-28-5	2,4-Dinitrophenol	1800	U
100-02-7	4-Nitrophenol	1800	U
132-64-9	Dibenzofuran	730	U
121-14-2	2,4-Dinitrotoluene	730	U
84-66-2	Diethylphthalate	730	U
7005-72-3	4-Chlorophenyl-phenylether	730	U
86-73-7	Fluorene	730	U
100-01-6	4-Nitroaniline	1800	U
534-52-1	4,6-Dinitro-2-Methylphenol	1800	U
86-30-6	N-Nitrosodiphenylamine (1)	730	U
101-55-3	4-Bromophenyl-phenylether	730	U
118-74-1	Hexachlorobenzene	730	U
87-86-5	Pentachlorophenol	1800	U
85-01-8	Phenanthrene	73	J-
120-12-7	Anthracene	730	U
86-74-8	Carbazole	730	U
84-74-2	Di-n-Butylphthalate	180	J-
206-44-0	Fluoranthene	170	J-
129-00-0	Pyrene	100	J-
85-68-7	Butylbenzylphthalate	730	U
91-94-1	3,3'-Dichlorobenzidine	730	U
56-55-3	Benzo(a)Anthracene	100	J-
218-01-9	Chrysene	84	J-
117-81-7	bis(2-Ethylhexyl)Phthalate	130	J-
117-84-0	Di-n-Octyl Phthalate	730	U
205-99-2	Benzo(b)Fluoranthene	730	U
207-08-9	Benzo(k)Fluoranthene	730	U
50-32-8	Benzo(a)Pyrene	730	U
193-39-5	Indeno(1,2,3-cd)Pyrene	730	U
53-70-3	Dibenz(a,h)Anthracene	730	U
191-24-2	Benzo(g,h,i)Perylene	730	U

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SA-SD-11
ETD11

Lab Name: DATA CHEM LABS Contract: 68-D1-0080
 Lab Code: DATA C Case No.: 19810 SAS No.: _____ SDG No.: ETD01
 Matrix: (soil/water) SOIL Lab Sample ID: CLP13052
 Sample wt/vol: 30.0 (g/mL) G Lab File ID: DZ19CLP052
 Level: (low/med) LOW Date Received: 04/21/93
 % Moisture: 55 decanted: (Y/N) N Date Extracted: 05/01/93
 Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 05/18/93
 Injection Volume: 2.0 (uL) Dilution Factor: 1.0
 GPC Cleanup: (Y/N) Y pH: 7.2

Number TICs found: 28

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	ALDOL CONDENSATION PRODUCT	9.13	610	AJ
2.	ALDOL CONDENSATION PRODUCT	9.45	840	AJ
3.	ALDOL CONDENSATION PRODUCT	9.83	1300	AJ
4.	ALDOL CONDENSATION PRODUCT	10.05	520	ABJA
5.	ALDOL CONDENSATION PRODUCT	10.78	1500	AJ
6.	ALDOL CONDENSATION PRODUCT	11.12	410	AJ
7.	ALDOL CONDENSATION PRODUCT	11.23	590	AJ
8.	ALDOL CONDENSATION PRODUCT	12.00	730	AJ
9.	UNKNOWN LONG CHAIN HYDROCARB	24.48	330	J
10.	UNKNOWN LONG CHAIN HYDROCARB	25.82	430	J
11.	ALKANE @ C23	27.88	150	J
12.	ALKANE @ C25	29.63	480	J
13.	ALKANE @ C27	31.63	450	J
14.	UNKNOWN LONG CHAIN HYDROCARB	33.42	160	J
15.	UNKNOWN LONG CHAIN HYDROCARB	33.52	860	J
16.	UNKNOWN POLYCYCLIC HYDROCARB	34.22	250	J
17.	ALKANE @ C29	34.37	1500	J
18.	UNKNOWN OXYHYDROCARBON	34.75	320	J
19.	UNKNOWN LONG CHAIN HYDROCARB	34.90	220	J
20.	UNKNOWN MIXED HYDROCARBONS	35.47	280	J
21.	UNKNOWN LONG CHAIN HYDROCARB	37.12	190	J
22.	UNKNOWN HYDROCARBON	37.38	160	J
23.	UNKNOWN LONG CHAIN HYDROCARB	37.85	220	J
24.	ALKANE @ C31	38.28	1400	J
25.	UNKNOWN HYDROCARBON	38.93	310	J
26.	UNKNOWN POLYCYCLIC HYDROCARB	39.42	440	J
27.	UNKNOWN LONG CHAIN HYDROCARB	39.88	400	J
28.	UNKNOWN CYCLIC HYDROCARBON	41.62	460	J

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1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

ETD12

Lab Name: DATA CHEM LABS Contract: 68-D1-0080

Lab Code: DATA C Case No.: 19810 SAS No.: _____ SDG No.: ETD01

Matrix: (soil/water) SOIL Lab Sample ID: CLP13053

Sample wt/vol: 30.0 (g/mL) G Lab File ID: DZ10CLP053

Level: (low/med) LOW Date Received: 04/21/93

% Moisture: 81 decanted: (Y/N) N Date Extracted: 05/01/93

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 05/18/93

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 6.8

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

CAS NO. COMPOUND

108-95-2	Phenol	1700	U
111-44-4	bis(2-Chloroethyl) Ether	1700	U
95-57-8	2-Chlorophenol	1700	U
541-73-1	1,3-Dichlorobenzene	1700	U
106-46-7	1,4-Dichlorobenzene	1700	U
95-50-1	1,2-Dichlorobenzene	1700	U
95-48-7	2-Methylphenol	1700	U
108-60-1	2,2'-oxybis(1-Chloropropane)	1700	U
106-44-5	4-Methylphenol	1700	U
621-64-7	N-Nitroso-Di-n-Propylamine	1700	U
67-72-1	Hexachloroethane	1700	U
98-95-3	Nitrobenzene	1700	U
78-59-1	Isophorone	1700	U
88-75-5	2-Nitrophenol	1700	U
105-67-9	2,4-Dimethylphenol	1700	U
111-91-1	bis(2-Chloroethoxy)Methane	1700	U
120-83-2	2,4-Dichlorophenol	1700	U
120-82-1	1,2,4-Trichlorobenzene	1700	U
91-20-3	Naphthalene	1700	U
106-47-8	4-Chloroaniline	1700	U
87-68-3	Hexachlorobutadiene	1700	U
59-50-7	4-Chloro-3-Methylphenol	1700	U
91-57-6	2-Methylnaphthalene	1700	U
77-47-4	Hexachlorocyclopentadiene	1700	U
88-06-2	2,4,6-Trichlorophenol	1700	U
95-95-4	2,4,5-Trichlorophenol	4200	U
91-58-7	2-Chloronaphthalene	1700	U
88-74-4	2-Nitroaniline	4200	U
131-11-3	Dimethyl Phthalate	1700	U
208-96-8	Acenaphthylene	1700	U
606-20-2	2,6-Dinitrotoluene	1700	U
99-09-2	3-Nitroaniline	4200	U
83-32-9	Acenaphthene	1700	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SA 30-12
ETD12

Lab Name: DATA CHEM LABS Contract: 68-D1-0080
 Lab Code: DATA C Case No.: 19810 SAS No.: _____ SDG No.: ETD01
 Matrix: (soil/water) SOIL Lab Sample ID: CLP13053
 Sample wt/vol: 30.0 (g/mL) G Lab File ID: DZ10CLP053
 Level: (low/med) LOW Date Received: 04/21/93
 % Moisture: 81 decanted: (Y/N) N Date Extracted: 05/01/93
 Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 05/18/93
 Injection Volume: 2.0 (uL) Dilution Factor: 1.0
 GPC Cleanup: (Y/N) Y pH: 6.8

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

51-28-5	2,4-Dinitrophenol	4200	U
100-02-7	4-Nitrophenol	4200	U
132-64-9	Dibenzofuran	1700	U
121-14-2	2,4-Dinitrotoluene	1700	U
84-66-2	Diethylphthalate	1700	U
7005-72-3	4-Chlorophenyl-phenylether	1700	U
86-73-7	Fluorene	1700	U
100-01-6	4-Nitroaniline	4200	U
534-52-1	4,6-Dinitro-2-Methylphenol	4200	U
86-30-6	N-Nitrosodiphenylamine (1)	1700	U
101-55-3	4-Bromophenyl-phenylether	1700	U
118-74-1	Hexachlorobenzene	1700	U
87-86-5	Pentachlorophenol	4200	U
85-01-8	Phenanthrene	1700	U
120-12-7	Anthracene	1700	U
86-74-8	Carbazole	1700	U
84-74-2	Di-n-Butylphthalate	230	J-
206-44-0	Fluoranthene	1700	U
129-00-0	Pyrene	1700	U
85-68-7	Butylbenzylphthalate	1700	U
91-94-1	3,3'-Dichlorobenzidine	1700	U
56-55-3	Benzo(a)Anthracene	1700	U
218-01-9	Chrysene	1700	U
117-81-7	bis(2-Ethylhexyl) Phthalate	1700	U
117-84-0	Di-n-Octyl Phthalate	1700	U
205-99-2	Benzo(b)Fluoranthene	1700	U
207-08-9	Benzo(k)Fluoranthene	1700	U
50-32-8	Benzo(a)Pyrene	1700	U
193-39-5	Indeno(1,2,3-cd)Pyrene	1700	U
53-70-3	Dibenz(a,h)Anthracene	1700	U
191-24-2	Benzo(g,h,i)Perylene	1700	U

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

ETD12

Lab Name: DATA CHEM LABS Contract: 68-D1-0080
 Lab Code: DATA C Case No.: 19810 SAS No.: _____ SDG No.: ETD01
 Matrix: (soil/water) SOIL Lab Sample ID: CLP13053
 Sample wt/vol: 30.0 (g/mL) G Lab File ID: DZ10CLP053
 Level: (low/med) LOW Date Received: 04/21/93
 % Moisture: 81 decanted: (Y/N) N Date Extracted: 05/01/93
 Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 05/18/93
 Injection Volume: 2.0 (uL) Dilution Factor: 1.0
 GPC Cleanup: (Y/N) Y pH: 6.8

Number TICs found: 17

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	ALDOL CONDENSATION PRODUCT	9.02	390	AJ
2.	ALDOL CONDENSATION PRODUCT	9.17	820	AJ
3.	ALDOL CONDENSATION PRODUCT	9.48	740	AJ
4.	ALDOL CONDENSATION PRODUCT	9.87	4900	AJ
5.	ALDOL CONDENSATION PRODUCT	10.07	580	ABJU
6.	ALDOL CONDENSATION PRODUCT	11.25	590	AJ
7.	ALDOL CONDENSATION PRODUCT	12.05	700	AJ
8.	ALKANE @ C21	26.97	380	J
9.	UNKNOWN ALDEHYDE	27.27	2600	J
10.	ALKANE @ C23	27.90	670	J
11.	UNKNOWN ALDEHYDE	29.12	1000	J
12.	ALKANE @ C25	29.63	880	J
13.	ALKANE @ C27	31.63	1300	J
14.	UNKNOWN LONG CHAIN HYDROCARB	33.52	400	J
15.	ALKANE @ C29	34.37	3600	J
16.	ALKANE @ C31	38.27	1100	J
17.	UNKNOWN CYCLIC HYDROCARBON	39.38	440	J

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

ETD17

Lab Name: DATA CHEM LABS Contract: 68-D1-0080
 Lab Code: DATA C Case No.: 19810 SAS No.: _____ SDG No.: ETD01
 Matrix: (soil/water) WATER Lab Sample ID: CLP13060
 Sample wt/vol: 1000 (g/mL) ML Lab File ID: DE7CLP060
 Level: (low/med) LOW Date Received: 04/22/93
 % Moisture: _____ decanted: (Y/N) _____ Date Extracted: 04/27/93
 Concentrated Extract Volume: 1000 (uL) Date Analyzed: 04/30/93
 Injection Volume: 2.0 (uL) Dilution Factor: 1.0
 GPC Cleanup: (Y/N) N pH: 7.0

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
95-50-1	1,2-Dichlorobenzene	10	U
95-48-7	2-Methylphenol	10	U
108-60-1	2,2'-oxybis(1-Chloropropane)	10	U
106-44-5	4-Methylphenol	10	U
621-64-7	N-Nitroso-Di-n-Propylamine	10	U
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
111-91-1	bis(2-Chloroethoxy)Methane	10	U
120-83-2	2,4-Dichlorophenol	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
59-50-7	4-Chloro-3-Methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	25	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	25	U
131-11-3	Dimethyl Phthalate	10	U
208-96-8	Acenaphthylene	10	U
606-20-2	2,6-Dinitrotoluene	10	U
99-09-2	3-Nitroaniline	25	U
83-32-9	Acenaphthene	10	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

ETD17

Lab Name: DATA MEM LABS Contract: 68-D1-0080
 Lab Code: DATA C Case No.: 19810 SAS No.: _____ SDG No.: ETD01
 Matrix: (soil/water) WATER Lab Sample ID: CLP13060
 Sample wt/vol: 1000 (g/mL) ML Lab File ID: DE7CLP060
 Level: (low/med) LOW Date Received: 04/22/93
 % Moisture: _____ decanted: (Y/N) _____ Date Extracted: 04/27/93
 Concentrated Extract Volume: 1000 (uL) Date Analyzed: 04/30/93
 Injection Volume: 2.0 (uL) Dilution Factor: 1.0
 GPC Cleanup: (Y/N) N pH: 7.0

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

51-28-5	2,4-Dinitrophenol	25	U
100-02-7	4-Nitrophenol	25	UUU
132-64-9	Dibenzofuran	10	UUUU
121-14-2	2,4-Dinitrotoluene	10	UUUU
84-66-2	Diethylphthalate	10	UUUU
7005-72-3	4-Chlorophenyl-phenylether	10	UUUU
86-73-7	Fluorene	10	UUUU
100-01-6	4-Nitroaniline	25	UUUU
534-52-1	4,6-Dinitro-2-Methylphenol	25	UUUU
86-30-6	N-Nitrosodiphenylamine (1)	10	UUUU
101-55-3	4-Bromophenyl-phenylether	10	UUUU
118-74-1	Hexachlorobenzene	10	UUUU
87-86-5	Pentachlorophenol	25	UUUU
85-01-8	Phenanthrene	10	UUUU
120-12-7	Anthracene	10	UUUU
86-74-8	Carbazole	10	UUUU
84-74-2	Di-n-Butylphthalate	10	UUUU
206-44-0	Fluoranthene	10	UUUU
129-00-0	Pyrene	10	UUUU
85-68-7	Butylbenzylphthalate	10	UUUU
91-94-1	3,3'-Dichlorobenzidine	10	UUUU
56-55-3	Benzo(a)Anthracene	10	UUUU
218-01-9	Chrysene	10	UUUU
117-81-7	bis(2-Ethylhexyl) Phthalate	10	UUUU
117-84-0	Di-n-Octyl Phthalate	10	UUUU
205-99-2	Benzo(b) Fluoranthene	10	UUUU
207-08-9	Benzo(k) Fluoranthene	10	UUUU
50-32-8	Benzo(a) Pyrene	10	UUUU
193-39-5	Indeno(1,2,3-cd) Pyrene	10	UUUU
53-70-3	Dibenz(a,h) Anthracene	10	UUUU
191-24-2	Benzo(g,h,i) Perylene	10	UUUU

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SA 6W-01
ETD17

Lab Name: DATA CHEM LABS Contract: 68-D1-0080

Lab Code: DATA C Case No.: 19810 SAS No.: _____ SDG No.: ETD01

Matrix: (soil/water) WATER Lab Sample ID: CLP13060

Sample wt/vol: 1000 (g/mL) ML Lab File ID: DE7CLP060

Level: (low/med) LOW Date Received: 04/22/93

% Moisture: _____ decanted: (Y/N) _____ Date Extracted: 04/27/93

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 04/30/93

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

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

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.

ETD18

Lab Name: DATA CHEM LABS Contract: 68-D1-0080
 Lab Code: DATA C Case No.: 19810 SAS No.: _____ SDG No.: ETD01
 Matrix: (soil/water) WATER Lab Sample ID: CLP13061
 Sample wt/vol: 1000 (g/mL) ML Lab File ID: DE8CLP061
 Level: (low/med) LOW Date Received: 04/22/93
 % Moisture: _____ decanted: (Y/N) _____ Date Extracted: 04/27/93
 Concentrated Extract Volume: 1000 (uL) Date Analyzed: 04/30/93
 Injection Volume: 2.0 (uL) Dilution Factor: 1.0
 GPC Cleanup: (Y/N) N pH: 7.0

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
95-50-1	1,2-Dichlorobenzene	10	U
95-48-7	2-Methylphenol	10	U
108-60-1	2,2'-oxybis(1-Chloropropane)	10	U
106-44-5	4-Methylphenol	10	U
621-64-7	N-Nitroso-Di-n-Propylamine	10	U
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
111-91-1	bis(2-Chloroethoxy)Methane	10	U
120-83-2	2,4-Dichlorophenol	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
59-50-7	4-Chloro-3-Methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	25	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	25	U
131-11-3	Dimethyl Phthalate	10	U
208-96-8	Acenaphthylene	10	U
606-20-2	2,6-Dinitrotoluene	10	U
99-09-2	3-Nitroaniline	25	U
83-32-9	Acenaphthene	10	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

-A 22 07
ETD18

Lab Name: DATA CHEM LABS Contract: 68-D1-0080
 Lab Code: DATA C Case No.: 19810 SAS No.: _____ SDG No.: ETD01
 Matrix: (soil/water) WATER Lab Sample ID: CLP13061
 Sample wt/vol: 1000 (g/mL) ML Lab File ID: DE8CLP061
 Level: (low/med) LOW Date Received: 04/22/93
 % Moisture: _____ decanted: (Y/N) _____ Date Extracted: 04/27/93
 Concentrated Extract Volume: 1000 (uL) Date Analyzed: 04/30/93
 Injection Volume: 2.0 (uL) Dilution Factor: 1.0
 GPC Cleanup: (Y/N) N pH: 7.0

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

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

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

ETD18

Lab Name: DATA CHEM LABS Contract: 68-D1-0080
 Lab Code: DATA C Case No.: 19810 SAS No.: _____ SDG No.: ETD01
 Matrix: (soil/water) WATER Lab Sample ID: CLP13061
 Sample wt/vol: 1000 (g/mL) ML Lab File ID: DE8CLP061
 Level: (low/med) LOW Date Received: 04/22/93
 % Moisture: _____ decanted: (Y/N) _____ Date Extracted: 04/27/93
 Concentrated Extract Volume: 1000 (uL) Date Analyzed: 04/30/93
 Injection Volume: 2.0 (uL) Dilution Factor: 1.0
 GPC Cleanup: (Y/N) N pH: 7.0

Number TICs found: 1

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN CHLORINATED COMPOUND	9.62	2	J

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

ETD19

Lab Name: DATA CHEM LABS Contract: 68-D1-0080
 Lab Code: DATA C Case No.: 19810 SAS No.: _____ SDG No.: ETD01
 Matrix: (soil/water) WATER Lab Sample ID: CLP13062
 Sample wt/vol: 1000 (g/mL) ML Lab File ID: DE9CLP062
 Level: (low/med) LOW Date Received: 04/22/93
 % Moisture: _____ decanted: (Y/N) _____ Date Extracted: 04/27/93
 Concentrated Extract Volume: 1000 (uL) Date Analyzed: 04/30/93
 Injection Volume: 2.0 (uL) Dilution Factor: 1.0
 GPC Cleanup: (Y/N) N pH: 7.0

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

CAS NO. COMPOUND Q

108-95-2	Phenol	10	U
111-44-4	bis(2-Chloroethyl) Ether	10	U
95-57-8	2-Chlorophenol	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
95-48-7	2-Methylphenol	10	U
108-60-1	2,2'-oxybis(1-Chloropropane)	10	U
106-44-5	4-Methylphenol	10	U
621-64-7	N-Nitroso-Di-n-Propylamine	10	U
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
111-91-1	bis(2-Chloroethoxy) Methane	10	U
120-83-2	2,4-Dichlorophenol	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
59-50-7	4-Chloro-3-Methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	25	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	25	U
131-11-3	Dimethyl Phthalate	10	U
208-96-8	Acenaphthylene	10	U
606-20-2	2,6-Dinitrotoluene	10	U
99-09-2	3-Nitroaniline	25	U
83-32-9	Acenaphthene	10	U

984

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

ETD19

Lab Name: DATA CHEM LABS Contract: 68-D1-0080
 Lab Code: DATA C Case No.: 19810 SAS No.: _____ SDG No.: ETD01
 Matrix: (soil/water) WATER Lab Sample ID: CLP13062
 Sample wt/vol: 1000 (g/mL) ML Lab File ID: DE9CLP062
 Level: (low/med) LOW Date Received: 04/22/93
 % Moisture: _____ decanted: (Y/N) _____ Date Extracted: 04/27/93
 Concentrated Extract Volume: 1000 (uL) Date Analyzed: 04/30/93
 Injection Volume: 2.0 (uL) Dilution Factor: 1.0
 GPC Cleanup: (Y/N) N pH: 7.0

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

51-28-5	2,4-Dinitrophenol	25	U
100-02-7	4-Nitrophenol	25	U
132-64-9	Dibenzofuran	10	U
121-14-2	2,4-Dinitrotoluene	10	U
84-66-2	Diethylphthalate	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
86-73-7	Fluorene	10	U
100-01-6	4-Nitroaniline	25	U
534-52-1	4,6-Dinitro-2-Methylphenol	25	U
86-30-6	N-Nitrosodiphenylamine (1)	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
87-86-5	Pentachlorophenol	25	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
86-74-8	Carbazole	10	U
84-74-2	Di-n-Butylphthalate	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butylbenzylphthalate	10	U
91-94-1	3,3'-Dichlorobenzidine	10	U
56-55-3	Benzo(a)Anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	bis(2-Ethylhexyl) Phthalate	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	Dibenz(a,h)Anthracene	10	U
191-24-2	Benzo(g,h,i)Perylene	10	U

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

5A-6W-03
ETD19

Lab Name: DATA CHEM LABS Contract: 68-D1-0080
 Lab Code: DATA C Case No.: 19810 SAS No.: _____ SDG No.: ETD01
 Matrix: (soil/water) WATER Lab Sample ID: CLP13062
 Sample wt/vol: 1000 (g/mL) ML Lab File ID: DE9CLP062
 Level: (lcw/med) LOW Date Received: 04/22/93
 % Moisture: _____ decanted: (Y/N) _____ Date Extracted: 04/27/93
 Concentrated Extract Volume: 1000 (uL) Date Analyzed: 04/30/93
 Injection Volume: 2.0 (uL) Dilution Factor: 1.0
 GPC Cleanup: (Y/N) N pH: 7.0

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.

ETD20

Lab Name: DATA CHEM LABS Contract: 68-D1-0080

Lab Code: DATA C Case No.: 19810 SAS No.: _____ SDG No.: ETD01

Matrix: (soil/water) WATER Lab Sample ID: CLP13063

Sample wt/vol: 1000 (g/mL) ML Lab File ID: DE10CLP063

Level: (low/med) LOW Date Received: 04/22/93

% Moisture: _____ decanted: (Y/N) _____ Date Extracted: 04/27/93

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 04/30/93

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

Cleanup: (Y/N) N pH: 7.0

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

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

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

3A-6w07
ETD20

Lab Name: DATA CHEM LABS Contract: 68-D1-0080
 Lab Code: DATA C Case No.: 19810 SAS No.: _____ SDG No.: ETD01
 Matrix: (soil/water) WATER Lab Sample ID: CLP13063
 Sample wt/vol: 1000 (g/mL) ML Lab File ID: DE10CLP063
 Level: (low/med) LOW Date Received: 04/22/93
 % Moisture: _____ decanted: (Y/N) _____ Date Extracted: 04/27/93
 Concentrated Extract Volume: 1000 (uL) Date Analyzed: 04/30/93
 Injection Volume: 2.0 (uL) Dilution Factor: 1.0
 GPC Cleanup: (Y/N) N pH: 7.0

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

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

1000

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

ETD20

Lab Name: DATA CHEM LABS Contract: 68-D1-0080

Lab Code: DATA C Case No.: 19810 SAS No.: _____ SDG No.: ETD01

Matrix: (soil/water) WATER Lab Sample ID: CLP13063

Sample wt/vol: 1000 (g/mL) ML Lab File ID: DE10CLP063

Level: (low/med) LOW Date Received: 04/22/93

% Moisture: _____ decanted: (Y/N) _____ Date Extracted: 04/27/93

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 04/30/93

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

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

Number TICs found: 0

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

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

SA-00-05

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

ETD21

Lab Name: DATA CHEM LABS Contract: 68-D1-0080

Lab Code: DATA C Case No.: 19810 SAS No.: _____ SDG No.: ETD01

Matrix: (soil/water) WATER Lab Sample ID: CLP13064

Sample wt/vol: 1000 (g/mL) ML Lab File ID: DE11CLP064

Level: (low/med) LOW Date Received: 04/22/93

% Moisture: _____ decanted: (Y/N) _____ Date Extracted: 04/27/93

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 04/30/93

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

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

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

CAS NO. COMPOUND Q

108-95-2	Phenol	10	U
111-44-4	bis(2-Chloroethyl) Ether	10	U
95-57-8	2-Chlorophenol	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
95-48-7	2-Methylphenol	10	U
108-60-1	2,2'-oxybis(1-Chloropropane)	10	U
106-44-5	4-Methylphenol	10	U
621-64-7	N-Nitroso-Di-n-Propylamine	10	U
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
111-91-1	bis(2-Chloroethoxy)Methane	10	U
120-83-2	2,4-Dichlorophenol	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
59-50-7	4-Chloro-3-Methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	25	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	25	U
131-11-3	Dimethyl Phthalate	10	U
208-96-8	Acenaphthylene	10	U
606-20-2	2,6-Dinitrotoluene	10	U
99-09-2	3-Nitroaniline	25	U
83-32-9	Acenaphthene	10	U

1013

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

ETD21

Lab Name: DATA CHEM LABS Contract: 68-D1-0080
 Lab Code: DATA C Case No.: 19810 SAS No.: _____ SDG No.: ETD01
 Matrix: (soil/water) WATER Lab Sample ID: CLP13064
 Sample wt/vol: 1000 (g/mL) ML Lab File ID: DE11CLP064
 Level: (low/med) LOW Date Received: 04/22/93
 % Moisture: _____ decanted: (Y/N) _____ Date Extracted: 04/27/93
 Concentrated Extract Volume: 1000 (uL) Date Analyzed: 04/30/93
 Injection Volume: 2.0 (uL) Dilution Factor: 1.0
 GPC Cleanup: (Y/N) N pH: 7.0

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

51-28-5-----	2,4-Dinitrophenol	25	U
100-02-7-----	4-Nitrophenol	25	U
132-64-9-----	Dibenzofuran	10	U
121-14-2-----	2,4-Dinitrotoluene	10	U
84-66-2-----	Diethylphthalate	10	U
7005-72-3-----	4-Chlorophenyl-phenylether	10	U
86-73-7-----	Fluorene	10	U
100-01-6-----	4-Nitroaniline	25	U
534-52-1-----	4,6-Dinitro-2-Methylphenol	25	U
86-30-6-----	N-Nitrosodiphenylamine (1)	10	U
101-55-3-----	4-Bromophenyl-phenylether	10	U
118-74-1-----	Hexachlorobenzene	10	U
87-86-5-----	Pentachlorophenol	25	U
85-01-8-----	Phenanthrene	10	U
120-12-7-----	Anthracene	10	U
86-74-8-----	Carbazole	10	U
84-74-2-----	Di-n-Butylphthalate	10	U
206-44-0-----	Fluoranthene	10	U
129-00-0-----	Pyrene	10	U
85-68-7-----	Butylbenzylphthalate	10	U
91-94-1-----	3,3'-Dichlorobenzidine	10	U
56-55-3-----	Benzo(a)Anthracene	10	U
218-01-9-----	Chrysene	10	U
117-81-7-----	bis(2-Ethylhexyl) Phthalate	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-----	Dibenz(a,h) Anthracene	10	U
191-24-2-----	Benzo(g,h,i) Perylene	10	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

ETD17

Lab Name: DATA CHEM LABS Contract: 68-D1-0080
 Lab Code: DATA C Case No.: 19810 SAS No.: _____ SDG No.: ETD01
 Matrix: (soil/water) WATER Lab Sample ID: CLP13060
 Sample wt/vol: 5.0 (g/mL) ML Lab File ID: AP54C060
 Level: (low/med) LOW Date Received: 04/22/93
 % Moisture: not dec. _____ Date Analyzed: 04/30/93
 GC Column: CAP ID: 0.530 (mm) Dilution Factor: 1.0
 Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

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

74-87-5	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	BJU - SFS
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	10	U
75-35-4	1,1-Dichloroethene	10	U
75-34-3	1,1-Dichloroethane	10	U
540-59-0	1,2-Dichloroethene (total)	10	U
67-66-3	Chloroform	10	U
107-06-2	1,2-Dichloroethane	10	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	10	U
56-23-5	Carbon Tetrachloride	10	U
75-27-4	Bromodichloromethane	10	U
78-87-5	1,2-Dichloropropane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
79-01-6	Trichloroethene	10	U
124-48-1	Dibromochloromethane	10	U
79-00-5	1,1,2-Trichloroethane	10	U
71-43-2	Benzene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
75-25-2	Bromoform	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
108-88-3	Toluene	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
100-42-5	Styrene	10	U
1330-20-7	Xylene (total)	10	U

6/16/93

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

ETD17

Lab Name: DATA CHEM LABS Contract: 68-D1-0080

Lab Code: DATA C Case No.: 19810 SAS No.: _____ SDG No.: ETD01

Matrix: (soil/water) WATER Lab Sample ID: CLP13060

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: AP54C060

Level: (low/med) LOW Date Received: 04/22/93

% Moisture: not dec. _____ Date Analyzed: 04/30/93

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

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

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

Number TICs found: 0

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

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

ETD18

Lab Name: DATA CHEM LABS Contract: 68-D1-0080
 Lab Code: DATA C Case No.: 19810 SAS No.: _____ SDG No.: ETD01
 Matrix: (soil/water) WATER Lab Sample ID: CLP13061
 Sample wt/vol: 5.0 (g/mL) ML Lab File ID: AP55C061
 Level: (low/med) LOW Date Received: 04/22/93
 % Moisture: not dec. _____ Date Analyzed: 04/30/93
 GC Column: CAP ID: 0.530 (mm) Dilution Factor: 1.0
 Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

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

CAS NO. COMPOUND Q

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	BJU -
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	10	U
75-35-4	1,1-Dichloroethene	10	U
75-34-3	1,1-Dichloroethane	10	U
540-59-0	1,2-Dichloroethene (total)	10	U
67-66-3	Chloroform	3	J -
107-06-2	1,2-Dichloroethane	10	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	10	U
56-23-5	Carbon Tetrachloride	10	U
75-27-4	Bromodichloromethane	10	U
78-87-5	1,2-Dichloropropane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
79-01-6	Trichloroethene	10	U
124-48-1	Dibromochloromethane	10	U
79-00-5	1,1,2-Trichloroethane	10	U
71-43-2	Benzene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
75-25-2	Bromoform	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
108-88-3	Toluene	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
100-42-5	Styrene	10	U
1330-20-7	Xylene (total)	10	U

SRS
6/16/9

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

ETD18

Lab Name: DATA CHEM LABS Contract: 68-D1-0080
Lab Code: DATA C Case No.: 19810 SAS No.: _____ SDG No.: ETD01
Matrix: (soil/water) WATER Lab Sample ID: CLP13061
Sample wt/vol: 5.0 (g/mL) ML Lab File ID: AP55C061
Level: (low/med) LOW Date Received: 04/22/93
% Moisture: not dec. _____ Date Analyzed: 04/30/93
GC Column: CAP ID: 0.530 (mm) Dilution Factor: 1.0
Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

Number TICs found: 0

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

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

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

ETD19

Lab Name: DATA CHEM LABS Contract: 68-D1-0080
 Lab Code: DATA C Case No.: 19810 SAS No.: _____ SDG No.: ETD01
 Matrix: (soil/water) WATER Lab Sample ID: CLP13062
 Sample wt/vol: 5.0 (g/mL) ML Lab File ID: AP56C062
 Level: (low/med) LOW Date Received: 04/22/93
 % Moisture: not dec. _____ Date Analyzed: 04/30/93
 GC Column: CAP ID: 0.530 (mm) Dilution Factor: 1.0
 Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

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

CAS NO. COMPOUND Q

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	BJU - SRS
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	10	U
75-35-4	1,1-Dichloroethene	10	U
75-34-3	1,1-Dichloroethane	10	U
540-59-0	1,2-Dichloroethene (total)	10	U
67-66-3	Chloroform	10	U
107-06-2	1,2-Dichloroethane	10	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	10	U
56-23-5	Carbon Tetrachloride	10	U
75-27-4	Bromodichloromethane	10	U
78-87-5	1,2-Dichloropropane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
79-01-6	Trichloroethene	10	U
124-48-1	Dibromochloromethane	10	U
79-00-5	1,1,2-Trichloroethane	10	U
71-43-2	Benzene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
75-25-2	Bromoform	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
108-88-3	Toluene	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
100-42-5	Styrene	10	U
1330-20-7	Xylene (total)	10	U

6/16/93

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

ETD19

Lab Name: DATA CHEM LABS Contract: 68-D1-0080

Lab Code: DATA C Case No.: 19810 SAS No.: _____ SDG No.: ETD01

Matrix: (soil/water) WATER Lab Sample ID: CLP13062

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: AP56C062

Level: (low/med) LOW Date Received: 04/22/93

% Moisture: not dec. _____ Date Analyzed: 04/30/93

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

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

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

Number TICs found: 0

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

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

ETD20

Lab Name: DATA CHEM LABS Contract: 68-D1-0080

Lab Code: DATA C Case No.: 19810 SAS No.: _____ SDG No.: ETD01

Matrix: (soil/water) WATER Lab Sample ID: CLP13063

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: AP57C063

Level: (low/med) LOW Date Received: 04/22/93

% Moisture: not dec. _____ Date Analyzed: 04/30/93

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

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

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

74-87-3	-----Chloromethane	10	U
74-83-9	-----Bromomethane	10	U
75-01-4	-----Vinyl Chloride	10	U
75-00-3	-----Chloroethane	10	U
75-09-2	-----Methylene Chloride	2	BJU -
67-64-1	-----Acetone	10	U
75-15-0	-----Carbon Disulfide	10	U
75-35-4	-----1,1-Dichloroethene	10	U
75-34-3	-----1,1-Dichloroethane	10	U
540-59-0	-----1,2-Dichloroethene (total)	10	U
67-66-3	-----Chloroform	10	U
107-06-2	-----1,2-Dichloroethane	10	U
78-93-3	-----2-Butanone	10	U
71-55-6	-----1,1,1-Trichloroethane	10	U
56-23-5	-----Carbon Tetrachloride	10	U
75-27-4	-----Bromodichloromethane	10	U
78-87-5	-----1,2-Dichloropropane	10	U
10061-01-5	-----cis-1,3-Dichloropropene	10	U
79-01-6	-----Trichloroethene	10	U
124-48-1	-----Dibromochloromethane	10	U
79-00-5	-----1,1,2-Trichloroethane	10	U
71-43-2	-----Benzene	10	U
10061-02-6	-----trans-1,3-Dichloropropene	10	U
75-25-2	-----Bromoform	10	U
108-10-1	-----4-Methyl-2-Pentanone	10	U
591-78-6	-----2-Hexanone	10	U
127-18-4	-----Tetrachloroethene	10	U
79-34-5	-----1,1,2,2-Tetrachloroethane	10	U
108-88-3	-----Toluene	10	U
108-90-7	-----Chlorobenzene	10	U
100-41-4	-----Ethylbenzene	10	U
100-42-5	-----Styrene	10	U
1330-20-7	-----Xylene (total)	10	U

SES
6/16/9

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

ETD20

Lab Name: DATA CHEM LABS Contract: 68-D1-0080

Lab Code: DATA C Case No.: 19810 SAS No.: _____ SDG No.: ETD01

Matrix: (soil/water) WATER Lab Sample ID: CLP13063

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: AP57C063

Level: (low/med) LOW Date Received: 04/22/93

% Moisture: not dec. _____ Date Analyzed: 04/30/93

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

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

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

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

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

ETD21

Lab Name: DATA CHEM LABS Contract: 68-D1-0080
 Lab Code: DATA C Case No.: 19810 SAS No.: _____ SDG No.: ETD01
 Matrix: (soil/water) WATER Lab Sample ID: CLP13064
 Sample wt/vol: 5.0 (g/mL) ML Lab File ID: AP58C064
 Level: (low/med) LOW Date Received: 04/22/93
 % Moisture: not dec. _____ Date Analyzed: 04/30/93
 GC Column: CAP ID: 0.530 (mm) Dilution Factor: 1.0
 Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

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

CAS NO. COMPOUND Q

74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	2	BJU
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	10	U
75-35-4	1,1-Dichloroethene	10	U
75-34-3	1,1-Dichloroethane	10	U
540-59-0	1,2-Dichloroethene (total)	10	U
67-66-3	Chloroform	10	U
107-06-2	1,2-Dichloroethane	10	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	10	U
56-23-5	Carbon Tetrachloride	10	U
75-27-4	Bromodichloromethane	10	U
78-87-5	1,2-Dichloropropane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
79-01-6	Trichloroethene	10	U
124-48-1	Dibromochloromethane	10	U
79-00-5	1,1,2-Trichloroethane	10	U
71-43-2	Benzene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
75-25-2	Bromoform	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
108-88-3	Toluene	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
100-42-5	Styrene	10	U
1330-20-7	Xylene (total)	10	U

SRS
6/16/93

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

ETD21

Lab Name: DATA CHEM LABS Contract: 58-D1-0080

Lab Code: DATA C Case No.: 19810 SAS No.: _____ SDG No.: ETD01

Matrix: (soil/water) WATER Lab Sample ID: CLP13064

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: AP58C064

Level: (low/med) LOW Date Received: 04/22/93

% Moisture: not dec. _____ Date Analyzed: 04/30/93

GC Column: CAP ID: 0.530 (mm) Dilution Factor: _____ 1.0

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

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

Number TICs found: 0

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

ETD22

Lab Name: DATA CHEM LABS Contract: 68-D1-0080
 Lab Code: DATA C Case No.: 19810 SAS No.: _____ SDG No.: ETD01
 Matrix: (soil/water) WATER Lab Sample ID: CLP13065
 Sample wt/vol: 5.0 (g/mL) ML Lab File ID: AP59C065
 Level: (low/med) LOW Date Received: 04/22/93
 % Moisture: not dec. _____ Date Analyzed: 04/30/93
 GC Column: CAP ID: 0.530 (mm) Dilution Factor: 1.0
 Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

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

CAS NO. COMPOUND Q

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	BJU
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	10	U
75-35-4	1,1-Dichloroethene	10	U
75-34-3	1,1-Dichloroethane	10	U
540-59-0	1,2-Dichloroethene (total)	10	U
67-66-3	Chloroform	10	U
107-06-2	1,2-Dichloroethane	10	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	10	U
56-23-5	Carbon Tetrachloride	10	U
75-27-4	Bromodichloromethane	10	U
78-87-5	1,2-Dichloropropane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
79-01-6	Trichloroethene	10	U
124-48-1	Dibromochloromethane	10	U
79-00-5	1,1,2-Trichloroethane	10	U
71-43-2	Benzene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
75-25-2	Bromoform	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
108-88-3	Toluene	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
100-42-5	Styrene	10	U
1330-20-7	Xylene (total)	10	U

SRS
6/16/93

205

5A-6w-06

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

ETD22

Lab Name: DATA CHEM LABS Contract: 68-D1-0080

Lab Code: DATA C Case No.: 19810 SAS No.: _____ SDG No.: ETD01

Matrix: (soil/water) WATER Lab Sample ID: CLP13065

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: AP59C065

Level: (low/med) LOW Date Received: 04/22/93

% Moisture: not dec. _____ Date Analyzed: 04/30/93

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

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

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

Number TICs found: 0

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

SA-BW-FB-01

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

ETD23

Lab Name: DATA CHEM LABS Contract: 68-D1-0080

Lab Code: DATA C Case No.: 19810 SAS No.: _____ SDG No.: ETD01

Matrix: (soil/water) WATER Lab Sample ID: CLP13066

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: AP60C066

Level: (low/med) LOW Date Received: 04/22/93

% Moisture: not dec. _____ Date Analyzed: 04/30/93

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

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

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

74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	3	BJU
67-64-1	Acetone	39	
75-15-0	Carbon Disulfide	10	U
75-35-4	1,1-Dichloroethene	10	U
75-34-3	1,1-Dichloroethane	10	U
540-59-0	1,2-Dichloroethene (total)	10	U
67-66-3	Chloroform	10	U
107-06-2	1,2-Dichloroethane	10	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	10	U
56-23-5	Carbon Tetrachloride	10	U
75-27-4	Bromodichloromethane	10	U
78-87-5	1,2-Dichloropropane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
79-01-6	Trichloroethene	10	U
124-48-1	Dibromochloromethane	10	U
79-00-5	1,1,2-Trichloroethane	10	U
71-43-2	Benzene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
75-25-2	Bromoform	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
108-88-3	Toluene	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
100-42-5	Styrene	10	U
1330-20-7	Xylene (total)	10	U

SPS
6/16/93

116
212

SA-GW-FB 01

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

ETD23

Lab Name: DATA CHEM LABS Contract: 68-D1-0080

Lab Code: DATA C Case No.: 19810 SAS No.: _____ SDG No.: ETD01

Matrix: (soil/water) WATER Lab Sample ID: CLP13066

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: AP60C066

Level: (low/med) LOW Date Received: 04/22/93

% Moisture: not dec. _____ Date Analyzed: 04/30/93

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

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

Number TICs found: 0

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

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

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

ETD24

Lab Name: DATA CHEM LABS Contract: 68-D1-0080

Lab Code: DATA C Case No.: 19810 SAS No.: _____ SDG No.: ETD01

Matrix: (soil/water) WATER Lab Sample ID: CLP13067

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: AP61C067

Level: (low/med) LOW Date Received: 04/22/93

% Moisture: not dec. _____ Date Analyzed: 04/30/93

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

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

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

CAS NO. COMPOUND Q

74-87-3-----	Chloromethane	10	U
74-83-9-----	Bromomethane	10	U
75-01-4-----	Vinyl Chloride	10	U
75-00-3-----	Chloroethane	10	U
75-09-2-----	Methylene Chloride	3	BJU
67-64-1-----	Acetone	51	
75-15-0-----	Carbon Disulfide	10	U
75-35-4-----	1,1-Dichloroethene	10	U
75-34-3-----	1,1-Dichloroethane	10	U
540-59-0-----	1,2-Dichloroethene (total)	10	J
67-66-3-----	Chloroform	10	U
107-06-2-----	1,2-Dichloroethane	10	U
78-93-3-----	2-Butanone	10	U
71-55-6-----	1,1,1-Trichloroethane	10	U
56-23-5-----	Carbon Tetrachloride	10	U
75-27-4-----	Bromodichloromethane	10	U
78-87-5-----	1,2-Dichloropropane	10	U
10061-01-5-----	cis-1,3-Dichloropropene	10	U
79-01-6-----	Trichloroethene	10	U
124-48-1-----	Dibromochloromethane	10	U
79-00-5-----	1,1,2-Trichloroethane	10	U
71-43-2-----	Benzene	10	U
10061-02-6-----	trans-1,3-Dichloropropene	10	U
75-25-2-----	Bromoform	10	U
108-10-1-----	4-Methyl-2-Pentanone	10	U
591-78-6-----	2-Hexanone	10	U
127-18-4-----	Tetrachloroethene	10	U
79-34-5-----	1,1,2,2-Tetrachloroethane	10	U
108-88-3-----	Toluene	10	U
108-90-7-----	Chlorobenzene	10	U
100-41-4-----	Ethylbenzene	10	U
100-42-5-----	Styrene	10	U
1330-20-7-----	Xylene (total)	10	U

SFS
6/16/93

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

ETD24

Lab Name: DATA CHEM LABS Contract: 68-D1-0080

Lab Code: DATA C Case No.: 19810 SAS No.: _____ SDG No.: ETD01

Matrix: (soil/water) WATER Lab Sample ID: CLP13067

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: AP61C067

Level: (low/med) LOW Date Received: 04/22/93

% Moisture: not dec. _____ Date Analyzed: 04/30/93

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

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

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

Number TICs found: 0

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

2C
WATER SEMIVOLATILE SURROGATE RECOVERY

Lab Name: DATA CHEM LABS Contract: 68-D1-0080
 Lab Code: DATA C Case No.: 19810 SAS No.: _____ SDG No.: ETD01

	EPA SAMPLE NO.	S1 (NBZ)#	S2 (FBP)#	S3 (TPH)#	S4 (PHL)#	S5 (2FP)#	S6 (TBP)#	S7 (2CP)#	S8 (DCB)#	TOT OUT
01	ETD17	79	81	85	77	86	93	94	70	0
02	ETD18	73	74	79	66	80	81	83	63	0
03	ETD19	79	76	89	69	85	87	86	63	0
04	ETD20	73	74	64	69	84	81	86	64	0
05	ETD21	80	77	89	72	88	87	90	66	0
06	ETD22	74	74	73	63	74	80	78	60	0
07	ETD23	67	71	93	64	67	65	77	62	0
08	ETD21MS	78	81	84	70	82	87	85	66	0
09	ETD21MSD	81	85	82	70	83	94	87	69	0
10	SBLK01	67	71	92	60	78	74	75	57	0

S1 (NBZ) = Nitrobenzene-d5
 S2 (FBP) = 2-Fluorobiphenyl
 S3 (TPH) = Terphenyl-d14
 S4 (PHL) = Phenol-d5
 S5 (2FP) = 2-Fluorophenol
 S6 (TBP) = 2,4,6-Tribromophenol
 S7 (2CP) = 2-Chlorophenol-d4
 S8 (DCB) = 1,2-Dichlorobenzene-d4

QC LIMITS
 (35-114)
 (43-116)
 (33-141)
 (10-110)
 (21-110)
 (10-123)
 (33-110) (advisory)
 (16-110) (advisory)

Column to be used to flag recovery values
 * Values outside of contract required QC limits
 D Surrogate diluted out

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBLK02

Lab Name: DATA CHEM LABS Contract: 68-D1-0080

Lab Code: DATA C Case No.: 19810 SAS No.: _____ SDG No.: ETD01

Matrix: (soil/water) SOIL Lab Sample ID: CLPBK0501

Sample wt/vol: 30.0 (g/mL) G Lab File ID: DY12BK0501

Level: (low/med) LOW Date Received: _____

% Moisture: _____ decanted: (Y/N) N Date Extracted: 05/01/93

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 05/17/93

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 5.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/KG</u>	Q
108-95-2	Phenol	330	U
111-44-4	bis(2-Chloroethyl) Ether	330	U
95-57-8	2-Chlorophenol	330	U
541-73-1	1,3-Dichlorobenzene	330	U
106-46-7	1,4-Dichlorobenzene	330	U
95-50-1	1,2-Dichlorobenzene	330	U
95-48-7	2-Methylphenol	330	U
108-60-1	2,2'-oxybis(1-Chloropropane)	330	U
106-44-5	4-Methylphenol	330	U
621-64-7	N-Nitroso-Di-n-Propylamine	330	U
67-72-1	Hexachloroethane	330	U
98-95-3	Nitrobenzene	330	U
78-59-1	Isophorone	330	U
88-75-5	2-Nitrophenol	330	U
105-67-9	2,4-Dimethylphenol	330	U
111-91-1	bis(2-Chloroethoxy)Methane	330	U
120-83-2	2,4-Dichlorophenol	330	U
120-82-1	1,2,4-Trichlorobenzene	330	U
91-20-3	Naphthalene	330	U
106-47-8	4-Chloroaniline	330	U
87-68-3	Hexachlorobutadiene	330	U
59-50-7	4-Chloro-3-Methylphenol	330	U
91-57-6	2-Methylnaphthalene	330	U
77-47-4	Hexachlorocyclopentadiene	330	U
88-06-2	2,4,6-Trichlorophenol	330	U
95-95-4	2,4,5-Trichlorophenol	800	U
91-58-7	2-Chloronaphthalene	330	U
88-74-4	2-Nitroaniline	800	U
131-11-3	Dimethyl Phthalate	330	U
208-96-8	Acenaphthylene	330	U
606-20-2	2,6-Dinitrotoluene	330	U
99-09-2	3-Nitroaniline	800	U
83-32-9	Acenaphthene	330	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBLK02

Lab Name: DATA CHEM LABS Contract: 68-D1-0080

Lab Code: DATA C Case No.: 19810 SAS No.: _____ SDG No.: ETD01

Matrix: (soil/water) SOIL Lab Sample ID: CLPBK0501

Sample wt/vol: 30.0 (g/mL) G Lab File ID: DY12BK0501

Level: (low/med) LOW Date Received: _____

% Moisture: _____ decanted: (Y/N) N Date Extracted: 05/01/93

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 05/17/93

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 5.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/KG</u>	Q
51-28-5	2,4-Dinitrophenol	800	U
100-02-7	4-Nitrophenol	800	U
132-64-9	Dibenzofuran	330	U
121-14-2	2,4-Dinitrotoluene	330	U
84-66-2	Diethylphthalate	330	U
7005-72-3	4-Chlorophenyl-phenylether	330	U
86-73-7	Fluorene	330	U
100-01-6	4-Nitroaniline	800	U
534-52-1	4,6-Dinitro-2-Methylphenol	800	U
86-30-6	N-Nitrosodiphenylamine (1)	330	U
101-55-3	4-Bromophenyl-phenylether	330	U
118-74-1	Hexachlorobenzene	330	U
87-86-5	Pentachlorophenol	800	U
85-01-8	Phenanthrene	330	U
120-12-7	Anthracene	330	U
86-74-8	Carbazole	330	U
84-74-2	Di-n-Butylphthalate	330	U
206-44-0	Fluoranthene	330	U
129-00-0	Pyrene	330	U
85-68-7	Butylbenzylphthalate	330	U
91-94-1	3,3'-Dichlorobenzidine	330	U
56-55-3	Benzo(a)Anthracene	330	U
218-01-9	Chrysene	330	U
117-81-7	bis(2-Ethylhexyl)Phthalate	330	U
117-84-0	Di-n-Octyl Phthalate	330	U
205-99-2	Benzo(b)Fluoranthene	330	U
207-08-9	Benzo(k)Fluoranthene	330	U
50-32-8	Benzo(a)Pyrene	330	U
193-39-5	Indeno(1,2,3-cd)Pyrene	330	U
53-70-3	Dibenz(a,h)Anthracene	330	U
191-24-2	Benzo(g,h,i)Perylene	330	U

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBLK01

Lab Name: DATA CHEM LABS Contract: 68-D1-0080
 Lab Code: DATA C Case No.: 19810 SAS No.: _____ SDG No.: ETD01
 Matrix: (soil/water) WATER Lab Sample ID: CLPBK0427
 Sample wt/vol: 1000 (g/mL) ML Lab File ID: DE6BK0427
 Level: (low/med) LOW Date Received: _____
 % Moisture: _____ decanted: (Y/N) _____ Date Extracted: 04/27/93
 Concentrated Extract Volume: 1000 (uL) Date Analyzed: 04/30/93
 Injection Volume: 2.0 (uL) Dilution Factor: 1.0
 GPC Cleanup: (Y/N) N pH: 5.0

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
95-50-1	1,2-Dichlorobenzene	10	U
95-48-7	2-Methylphenol	10	U
108-60-1	2,2'-oxybis(1-Chloropropane)	10	U
106-44-5	4-Methylphenol	10	U
621-64-7	N-Nitroso-Di-n-Propylamine	10	U
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
111-91-1	bis(2-Chloroethoxy)Methane	10	U
120-83-2	2,4-Dichlorophenol	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
59-50-7	4-Chloro-3-Methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	25	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	25	U
131-11-3	Dimethyl Phthalate	10	U
208-96-8	Acenaphthylene	10	U
606-20-2	2,6-Dinitrotoluene	10	U
99-09-2	3-Nitroaniline	25	U
83-32-9	Acenaphthene	10	U

4B
SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

SBLK02

Lab Name: DATA CHEM LABS Contract: 68-D1-0080

Lab Code: DATA C Case No.: 19810 SAS No.: _____ SDG No.: ETD01

Lab File ID: DY12BK0501 Lab Sample ID: CLPBK0501

Instrument ID: 5100-D Date Extracted: 05/01/93

Matrix: (soil/water) SOIL Date Analyzed: 05/17/93

Level: (low/med) LOW Time Analyzed: 1712

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

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	=====	=====	=====	=====
01	ETD01	CLP13042	DY13CLP042	05/17/93
02	ETD02	CLP13043	DY14CLP043	05/17/93
03	ETD03	CLP13044	DY15CLP044	05/17/93
04	ETD04	CLP13045	DY15CLP045	05/17/93
05	ETD05	CLP13046	DZ13CLP046	05/18/93
06	ETD06	CLP13047	DZ14CLP047	05/18/93
07	ETD07	CLP13048	DZ15CLP048	05/18/93
08	ETD08	CLP13049	DZ16CLP049	05/18/93
09	ETD09	CLP13050	DZ17CLP050	05/18/93
10	ETD10	CLP13051	DZ18CLP051	05/18/93
11	ETD11	CLP13052	DZ19CLP052	05/18/93
12	ETD12	CLP13053	JZ10CLP053	05/18/93
13	ETD12MS	CLP13053MS	DZ11CLP53MS	05/18/93
14	ETD12MSD	CLP13053MSD	DZ12CLP53MD	05/18/93

COMMENTS: SBLK02 (CLPBK0501)
INSTRUMENT: 5100-D CASE: 19810

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBLK01

Lab Name: DATA CHEM LABS Contract: 68-D1-0080
 Lab Code: DATA C Case No.: 19810 SAS No.: _____ SDG No.: ETD01
 Matrix: (soil/water) WATER Lab Sample ID: CLPBK0427
 Sample wt/vol: 1000 (g/mL) ML Lab File ID: DE6BK0427
 Level: (low/med) LOW Date Received: _____
 % Moisture: _____ decanted: (Y/N) _____ Date Extracted: 04/27/93
 Concentrated Extract Volume: 1000 (uL) Date Analyzed: 04/30/93
 Injection Volume: 2.0 (uL) Dilution Factor: 1.0
 GPC Cleanup: (Y/N) N pH: 5.0

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

51-28-5-----	2,4-Dinitrophenol	25	U
100-02-7-----	4-Nitrophenol	25	U
132-64-9-----	Dibenzofuran	10	U
121-14-2-----	2,4-Dinitrotoluene	10	U
84-66-2-----	Diethylphthalate	10	U
7005-72-3-----	4-Chlorophenyl-phenylether	10	U
86-73-7-----	Fluorene	10	U
100-01-6-----	4-Nitroaniline	25	U
534-52-1-----	4,6-Dinitro-2-Methylphenol	25	U
86-30-6-----	N-Nitrosodiphenylamine (1)	10	U
101-55-3-----	4-Bromophenyl-phenylether	10	U
118-74-1-----	Hexachlorobenzene	10	U
87-86-5-----	Pentachlorophenol	25	U
85-01-8-----	Phenanthrene	10	U
120-12-7-----	Anthracene	10	U
86-74-8-----	Carbazole	10	U
84-74-2-----	Di-n-Butylphthalate	10	U
206-44-0-----	Fluoranthene	10	U
129-00-0-----	Pyrene	10	U
85-68-7-----	Butylbenzylphthalate	10	U
91-94-1-----	3,3'-Dichlorobenzidine	10	U
56-55-3-----	Benzo(a)Anthracene	10	U
218-01-9-----	Chrysene	10	U
117-81-7-----	bis(2-Ethylhexyl) Phthalate	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-----	Dibenz(a,h) Anthracene	10	U
191-24-2-----	Benzo(g,h,i) Perylene	10	U

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SBLK01

Lab Name: DATA CHEM LABS Contract: 68-D1-0080
 Lab Code: DATA C Case No.: 19810 SAS No.: _____ SDG No.: ETD01
 Matrix: (soil/water) WATER Lab Sample ID: CLPBK0427
 Sample wt/vol: 1000 (g/mL) ML Lab File ID: DE6BK0427
 Level: (low/med) LOW Date Received: _____
 % Moisture: _____ decanted: (Y/N) _____ Date Extracted: 04/27/93
 Concentrated Extract Volume: 1000 (uL) Date Analyzed: 04/30/93
 Injection Volume: 2.0 (uL) Dilution Factor: 1.0
 GPC Cleanup: (Y/N) N pH: 5.0

Number TICs round: 1

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN POLYCYCLIC HYDROCARB	31.77	14	J

4B
SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

SBLK01

Lab Name: DATA CHEM LABS Contract: 68-D1-0080

Lab Code: DATA C Case No.: 19810 SAS No.: _____ SDG No.: ETD01

Lab File ID: DE6BK0427 Lab Sample ID: CLPBK0427

Instrument ID: 5100-D Date Extracted: 04/27/93

Matrix: (soil/water) WATER Date Analyzed: 04/30/93

Level: (low/med) LOW Time Analyzed: 1630

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

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	=====	=====	=====	=====
01	ETD17	CLP13060	DE7CLP060	04/30/93
02	ETD18	CLP13061	DE8CLP061	04/30/93
03	ETD19	CLP13062	DE9CLP062	04/30/93
04	ETD20	CLP13063	DE10CLP063	04/30/93
05	ETD21	CLP13064	DE11CLP064	04/30/93
06	ETD22	CLP13065	DE14CLP65	04/30/93
07	ETD23	CLP13066	DH6CLP66	05/03/93
08	ETD21MS	CLP13064MS	DE12CLP64MS	04/30/93
09	ETD21MSD	CLP13064MSD	DE13CLP64MD	04/30/93

COMMENTS: SBLK01 (CLPBK0427)
INSTRUMENT: 5100-D CASE: 19810

SOIL SEMIVOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: DATA CHEM LABS Contract: 68-D1-0080
 Lab Code: DATA C Case No.: 19810 SAS No.: _____ SDG No.: ETD01
 Matrix Spike - EPA Sample No.: ETD12 Level: (low/med) LOW

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC #	QC LIMITS REC.
Phenol	13100	0	9114	70	26-90
2-Chlorophenol	13100	0	8325	64	25-102
1,4-Dichlorobenzene	8760	0	5398	62	28-104
N-Nitroso-di-n-prop. (1)	8760	0	4837	55	41-126
1,2,4-Trichlorobenzene	8760	0	5398	62	38-107
4-Chloro-3-methylphenol	13100	0	10240	78	26-103
Acenaphthene	8760	0	5608	64	31-137
4-Nitrophenol	13200	0	11320	86	11-114
2,4-Dinitrotoluene	8760	0	4925	56	28-89
Pentachlorophenol	13100	0	11600	89	17-109
Pyrene	8760	0	5170	59	35-142

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC #	% RPD #	QC LIMITS RPD	REC.
Phenol	13100	8342	64	9	35	26-90
2-Chlorophenol	13100	7585	58	10	50	25-102
1,4-Dichlorobenzene	8760	4785	55	12	27	28-104
N-Nitroso-di-n-prop. (1)	8760	4557	52	6	38	41-126
1,2,4-Trichlorobenzene	8760	4907	56	10	23	38-107
4-Chloro-3-methylphenol	13100	10600	81	4	33	26-103
Acenaphthene	8760	5205	59	8	19	31-137
4-Nitrophenol	13200	11460	87	1	50	11-114
2,4-Dinitrotoluene	8760	4557	52	7	47	28-89
Pentachlorophenol	13100	11650	89	0	47	17-109
Pyrene	8760	4925	56	5	36	35-142

(1) N-Nitroso-di-n-propylamine

Column to be used to flag recovery and RPD values with an asterisk
 * Values outside of QC limits

RPD: 0 out of 11 outside limits
 Spike Recovery: 0 out of 22 outside limits

COMMENTS: ETD12 (CLP13053)
 INSTRUMENT: 5100-D CASE: 19810

WATER SEMIVOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: DATA CHEM LABSContract: 68-D1-0080Lab Code: DATA C Case No.: 19810

SAS No.: _____

SDG No.: ETD01Matrix Spike - EPA Sample No.: ETD21

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC #	QC LIMITS REC.
Phenol	75.00	0	49.30	66	12-110
2-Chlorophenol	75.00	0	47.90	64	27-123
1,4-Dichlorobenzene	50.00	0	30.80	62	36-97
N-Nitroso-di-n-prop. (1)	50.00	0	27.90	56	41-116
1,2,4-Trichlorobenzene	50.00	0	31.10	62	39-98
4-Chloro-3-methylphenol	75.00	0	47.60	63	23-97
Acenaphthene	50.00	0	35.90	72	46-118
4-Nitrophenol	75.00	0	55.40	74	10-80
2,4-Dinitrotoluene	50.00	0	39.40	79	24-96
Pentachlorophenol	75.00	0	67.60	90	9-103
Pyrene	50.00	0	36.10	72	26-127

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC #	% RPD #	QC LIMITS RPD	REC.
Phenol	75.00	50.20	67	2	42	12-110
2-Chlorophenol	75.00	49.20	66	3	40	27-123
1,4-Dichlorobenzene	50.00	32.70	65	5	28	36-97
N-Nitroso-di-n-prop. (1)	50.00	27.70	55	2	38	41-116
1,2,4-Trichlorobenzene	50.00	32.30	65	5	28	39-98
4-Chloro-3-methylphenol	75.00	50.90	68	8	42	23-97
Acenaphthene	50.00	34.90	70	3	31	46-118
4-Nitrophenol	75.00	62.30	83 *	11	50	10-80
2,4-Dinitrotoluene	50.00	39.80	80	1	38	24-96
Pentachlorophenol	75.00	72.70	97	7	50	9-103
Pyrene	50.00	36.90	74	3	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 limitsSpike Recovery: 1 out of 22 outside limits

COMMENTS: ETD21 (CLP13064)

INSTRUMENT: 5100-D CASE: 19810

2D
SOIL SEMIVOLATILE SURROGATE RECOVERY

Lab Name: DATA CHEM LABS Contract: 68-D1-0080

Lab Code: DATA C Case No.: 19810 SAS No.: _____ SDG No.: ETD01

Level: (low/med) LOW

	EPA SAMPLE NO.	S1 (NBZ)#	S2 (FBP)#	S3 (TPH)#	S4 (PHL)#	S5 (2FP)#	S6 (TBP)#	S7 (2CP)#	S8 (DCB)#	TOT OUT
01	ETD01	68	74	60	44	73	48	70	63	0
02	ETD02	53	54	46	37	60	47	55	47	0
03	ETD03	64	65	58	48	72	63	66	54	0
04	ETD04	73	72	68	53	79	73	74	63	0
05	ETD05	65	70	41	47	58	42	59	61	0
06	ETD06	47	48	44	37	52	61	49	44	0
07	ETD07	52	63	50	44	55	73	53	44	0
08	ETD08	52	52	47	41	57	62	53	47	0
09	ETD09	44	46	42	34	47	46	43	43	0
10	ETD10	54	62	51	45	60	65	56	49	0
11	ETD11	57	67	46	47	62	68	58	52	0
12	ETD12	47	57	46	39	51	51	52	40	0
13	ETD12MS	80	81	57	57	81	81	76	70	0
14	ETD12MSD	76	77	58	56	79	84	73	67	0
15	SBLK02	60	63	52	37	61	42	58	56	0

QC LIMITS

S1 (NBZ) = Nitrobenzene-d5 (23-120)
 S2 (FBP) = 2-Fluorobiphenyl (30-115)
 S3 (TPH) = Terphenyl-d14 (18-137)
 S4 (PHL) = Phenol-d5 (24-113)
 S5 (2FP) = 2-Fluorophenol (25-121)
 S6 (TBP) = 2,4,6-Tribromophenol (19-122)
 S7 (2CP) = 2-Chlorophenol-d4 (20-130) (advisory)
 S8 (DCB) = 1,2-Dichlorobenzene-d4 (20-130) (advisory)

Column to be used to flag recovery values
 * Values outside of contract required QC limits
 D Surrogate diluted out

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SBLK02

Lab Name: DATA CHEM LABS Contract: 68-D1-0080

Lab Code: DATA C Case No.: 19810 SAS No.: _____ SDG No.: ETD01

Matrix: (soil/water) SOIL Lab Sample ID: CLPBK0501

Sample wt/vol: 30.0 (g/mL) G Lab File ID: DY12BK0501

Level: (low/med) LOW Date Received: _____

% Moisture: _____ decanted: (Y/N) N Date Extracted: 05/01/93

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 05/17/93

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 5.0

Number TICs found: 1

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	ALDOL CONDENSATION PRODUCT	10.13	520	J

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

ETD01

Lab Name: DATA CHEM LABS Contract: 68-D1-0080
 Lab Code: DATA C Case No.: 19810 SAS No.: _____ SDG No.: ETD01
 Matrix: (soil/water) SOIL Lab Sample ID: CLP13042
 Sample wt/vol: 30.0 (g/mL) G Lab File ID: DY13CLP042
 Level: (low/med) LOW Date Received: 04/21/93
 % Moisture: 37 decanted: (Y/N) N Date Extracted: 05/01/93
 Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 05/17/93
 Injection Volume: 2.0 (uL) Dilution Factor: 1.0
 GPC Cleanup: (Y/N) Y pH: 7.5

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/KG</u>	Q
108-95-2	Phenol	520	U
111-44-4	bis(2-Chloroethyl) Ether	520	U
95-57-8	2-Chlorophenol	520	U
541-73-1	1,3-Dichlorobenzene	520	U
106-46-7	1,4-Dichlorobenzene	520	U
95-50-1	1,2-Dichlorobenzene	520	U
95-48-7	2-Methylphenol	520	U
108-60-1	2,2'-oxybis(1-Chloropropane)	520	U
106-44-5	4-Methylphenol	520	U
621-64-7	N-Nitroso-Di-n-Propylamine	520	U
67-72-1	Hexachloroethane	520	U
98-95-3	Nitrobenzene	520	U
78-59-1	Isophorone	520	U
88-75-5	2-Nitrophenol	520	U
105-67-9	2,4-Dimethylphenol	520	U
111-91-1	bis(2-Chloroethoxy)Methane	520	U
120-83-2	2,4-Dichlorophenol	520	U
120-82-1	1,2,4-Trichlorobenzene	520	U
91-20-3	Naphthalene	520	U
106-47-8	4-Chloroaniline	520	U
87-68-3	Hexachlorobutadiene	520	U
59-50-7	4-Chloro-3-Methylphenol	520	U
91-57-6	2-Methylnaphthalene	520	U
77-47-4	Hexachlorocyclopentadiene	520	U
88-06-2	2,4,6-Trichlorophenol	520	U
95-95-4	2,4,5-Trichlorophenol	520	U
91-58-7	2-Chloronaphthalene	1300	U
88-74-4	2-Nitroaniline	520	U
131-11-3	Dimethyl Phthalate	1300	U
208-96-8	Acenaphthylene	520	U
606-20-2	2,6-Dinitrotoluene	520	U
99-09-2	3-Nitroaniline	520	U
83-32-9	Acenaphthene	1300	U
		520	U

SA 5D-01

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

ETD01

Lab Name: DATA CHEM LABS Contract: 68-D1-0080

Lab Code: DATA C Case No.: 19810 SAS No.: _____ SDG No.: ETD01

Matrix: (soil/water) SOIL Lab Sample ID: CLP13042

Sample wt/vol: 30.0 (g/mL) G Lab File ID: DY13CLP042

Level: (low/med) LOW Date Received: 04/21/93

% Moisture: 37 decanted: (Y/N) N Date Extracted: 05/01/93

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 05/17/93

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.5

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

CAS NO. COMPOUND

51-28-5	2,4-Dinitrophenol	1300	U
100-02-7	4-Nitrophenol	1300	U
132-64-9	Dibenzofuran	520	U
121-14-2	2,4-Dinitrotoluene	520	U
84-65-2	Diethylphthalate	520	U
7005-72-3	4-Chlorophenyl-phenylether	520	U
86-73-7	Fluorene	520	U
100-01-6	4-Nitroaniline	1300	U
534-52-1	4,6-Dinitro-2-Methylphenol	1300	U
86-30-6	N-Nitrosodiphenylamine (1)	520	U
101-55-3	4-Bromophenyl-phenylether	520	U
118-74-1	Hexachlorobenzene	520	U
87-86-5	Pentachlorophenol	1300	U
85-01-8	Phenanthrene	520	U
120-12-7	Anthracene	520	U
86-74-8	Carbazole	520	U
84-74-2	Di-n-Butylphthalate	520	U
206-44-0	Fluoranthene	520	U
129-00-0	Pyrene	520	U
85-68-7	Butylbenzylphthalate	520	U
91-94-1	3,3'-Dichlorobenzidine	520	U
56-55-3	Benzo(a)Anthracene	520	U
218-01-9	Chrysene	520	U
117-81-7	bis(2-Ethylhexyl) Phthalate	520	U
117-84-0	Di-n-Octyl Phthalate	520	U
205-99-2	Benzo(b) Fluoranthene	520	U
207-08-9	Benzo(k) Fluoranthene	520	U
50-32-8	Benzo(a) Pyrene	520	U
193-39-5	Indeno(1,2,3-cd) Pyrene	520	U
53-70-3	Dibenz(a,h) Anthracene	520	U
191-24-2	Benzo(g,h,i) Perylene	520	U

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

ETD01

Lab Name: DATA CHEM LABS Contract: 68-D1-0080
 Lab Code: DATA C Case No.: 19810 SAS No.: _____ SDG No.: ETD01
 Matrix: (soil/water) SOIL Lab Sample ID: CLP13042
 Sample wt/vol: 30.0 (g/mL) G Lab File ID: DY13CLP042
 Level: (low/med) LOW Date Received: 04/21/93
 % Moisture: 37 decanted: (Y/N) N Date Extracted: 05/01/93
 Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 05/17/93
 Injection Volume: 2.0 (uL) Dilution Factor: 1.0
 GPC Cleanup: (Y/N) Y pH: 7.5

Number TICs found: 19

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	ALDOL CONDENSATION PRODUCT	9.08	620	AJ
2.	ALDOL CONDENSATION PRODUCT	9.65	320	AJ
3.	ALDOL CONDENSATION PRODUCT	10.13	1200	ABJU
4.	UNKNOWN OXYHYDROCARBON	10.27	320	J
5.	ALDOL CONDENSATION PRODUCT	11.15	310	AJ
6.	ALDOL CONDENSATION PRODUCT	11.27	130	AJ
7.	ALDOL CONDENSATION PRODUCT	12.08	110	AJ
8.	ALDOL CONDENSATION PRODUCT	13.30	180	AJ
9.	UNKNOWN OXYHYDROCARBON	15.20	1800	J
10.	UNKNOWN OXYHYDROCARBON	15.68	530	J
11.	ALKANE @ C25	29.58	170	J
12.	ALKANE @ C27	31.55	300	J
13.	ALKANE @ C28	32.78	200	J
14.	UNKNOWN LONG CHAIN HYDROCARB	33.42	140	J
15.	ALKANE @ C29	34.25	1500	J
16.	UNKNOWN LONG CHAIN HYDROCARB	35.47	150	J
17.	ALKANE @ C31	38.10	1400	J
18.	UNKNOWN HYDROCARBON	39.77	300	J
19.	ALKANE @ C33	43.78	160	J

SPS
6/17/9

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5A-5D-02

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

ETD02

Lab Name: DATA CHEM LABS Contract: 68-D1-0080
 Lab Code: DATA C Case No.: 19810 SAS No.: _____ SDG No.: ETD01
 Matrix: (soil/water) SOIL Lab Sample ID: CLP13043
 Sample wt/vol: 30.0 (g/mL) G Lab File ID: DY14CLP043
 Level: (low/med) LOW Date Received: 04/21/93
 % Moisture: 49 decanted: (Y/N) N Date Extracted: 05/01/93
 Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 05/17/93
 Injection Volume: 2.0 (uL) Dilution Factor: 1.0
 GPC Cleanup: (Y/N) Y pH: 6.4

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/KG</u>	Q
108-95-2	Phenol	650	U
111-44-4	bis(2-Chloroethyl) Ether	650	U
95-57-8	2-Chlorophenol	650	U
541-73-1	1,3-Dichlorobenzene	650	U
106-46-7	1,4-Dichlorobenzene	650	U
95-50-1	1,2-Dichlorobenzene	650	U
95-48-7	2-Methylphenol	650	U
108-60-1	2,2'-oxybis(1-Chloropropane)	650	U
106-44-5	4-Methylphenol	420	J
621-64-7	N-Nitroso-Di-n-Propylamine	650	U
67-72-1	Hexachloroethane	650	U
98-95-3	Nitrobenzene	650	U
78-59-1	Isophorone	650	U
88-75-5	2-Nitrophenol	650	U
105-67-9	2,4-Dimethylphenol	650	U
111-91-1	bis(2-Chloroethoxy)Methane	650	U
120-83-2	2,4-Dichlorophenol	650	U
120-82-1	1,2,4-Trichlorobenzene	650	U
91-20-3	Naphthalene	650	U
106-47-8	4-Chloroaniline	650	U
87-68-3	Hexachlorobutadiene	650	U
59-50-7	4-Chloro-3-Methylphenol	650	U
91-57-6	2-Methylnaphthalene	650	U
77-47-4	Hexachlorocyclopentadiene	650	U
88-06-2	2,4,6-Trichlorophenol	650	U
95-95-4	2,4,5-Trichlorophenol	1600	U
91-58-7	2-Chloronaphthalene	650	U
88-74-4	2-Nitroaniline	1600	U
131-11-3	Dimethyl Phthalate	650	U
208-96-8	Acenaphthylene	650	U
606-20-2	2,6-Dinitrotoluene	650	U
99-09-2	3-Nitroaniline	1600	U
83-32-9	Acenaphthene	650	U

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1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

ETD02

Lab Name: DATA CHEM LABS Contract: 68-D1-0080
 Lab Code: DATA C Case No.: 19810 SAS No.: _____ SDG No.: ETD01
 Matrix: (soil/water) SOIL Lab Sample ID: CLP13043
 Sample wt/vol: 30.0 (g/mL) G Lab File ID: DY14CLP043
 Level: (low/med) LOW Date Received: 04/21/93
 % Moisture: 49 decanted: (Y/N) N Date Extracted: 05/01/93
 Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 05/17/93
 Injection Volume: 2.0 (uL) Dilution Factor: 1.0
 GPC Cleanup: (Y/N) Y pH: 6.4

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/KG</u>	Q
51-28-5	2,4-Dinitrophenol	1600	U
100-02-7	4-Nitrophenol	1600	U
132-64-9	Dibenzofuran	650	U
121-14-2	2,4-Dinitrotoluene	650	U
84-66-2	Diethylphthalate	650	U
7005-72-3	4-Chlorophenyl-phenylether	650	U
86-73-7	Fluorene	650	U
100-01-6	4-Nitroaniline	1600	U
534-52-1	4,6-Dinitro-2-Methylphenol	1600	U
86-30-6	N-Nitrosodiphenylamine (1)	650	U
101-55-3	4-Bromophenyl-phenylether	650	U
118-74-1	Hexachlorobenzene	650	U
87-86-5	Pentachlorophenol	1600	U
85-01-8	Phenanthrene	650	U
120-12-7	Anthracene	650	U
86-74-8	Carbazole	650	U
84-74-2	Di-n-Butylphthalate	650	U
206-44-0	Fluoranthene	650	U
129-00-0	Pyrene	650	U
85-68-7	Butylbenzylphthalate	650	U
91-94-1	3,3'-Dichlorobenzidine	650	U
56-55-3	Benzo(a)Anthracene	650	U
218-01-9	Chrysene	650	U
117-81-7	bis(2-Ethylhexyl)Phthalate	650	U
117-84-0	Di-n-Octyl Phthalate	650	U
205-99-2	Benzo(b)Fluoranthene	650	U
207-08-9	Benzo(k)Fluoranthene	650	U
50-32-8	Benzo(a)Pyrene	650	U
193-39-5	Indeno(1,2,3-cd)Pyrene	650	U
53-70-3	Dibenz(a,h)Anthracene	650	U
191-24-2	Benzo(g,h,i)Perylene	650	U

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

SA-50-02
EPA SAMPLE NO.

ETD02

Lab Name: DATA CHEM LABS Contract: 68-D1-0080

Lab Code: DATA C Case No.: 19810 SAS No.: _____ SDG No.: ETD01

Matrix: (soil/water) SOIL Lab Sample ID: CLP13043

Sample wt/vol: 30.0 (g/mL) G Lab File ID: DY14CLP043

Level: (low/med) LOW Date Received: 04/21/93

% Moisture: 49 decanted: (Y/N) N Date Extracted: 05/01/93

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 05/17/93

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

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

Number TICs found: 26 CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	ALDOL CONDENSATION PRODUCT	9.08	600	AJ
2.	ALDOL CONDENSATION PRODUCT	9.67	280	AJ
3.	ALDOL CONDENSATION PRODUCT	10.13	400	ABJA
4.	UNKNOWN OXYHYDROCARBON	10.27	210	J
5.	ALDOL CONDENSATION PRODUCT	10.85	670	AJ
6.	ALDOL CONDENSATION PRODUCT	11.15	440	AJ
7.	ALDOL CONDENSATION PRODUCT	11.28	460	AJ
8.	UNKNOWN OXYHYDROCARBON	15.23	920	J
9.	UNKNOWN OXYHYDROCARBON	23.75	200	J
10.	UNKNOWN OXYHYDROCARBON	25.78	380	J
11.	UNKNOWN LONG CHAIN HYDROCARB	29.58	260	J
12.	UNKNOWN LONG CHAIN HYDROCARB	31.57	400	J
13.	UNKNOWN LONG CHAIN HYDROCARB	33.43	300	J
14.	ALKANE @ C29	34.25	3200	J
15.	UNKNOWN HYDROCARBON	35.20	210	J
16.	UNKNOWN LONG CHAIN HYDROCARB	35.48	850	J
17.	UNKNOWN POLYCYCLIC HYDROCARB	35.60	500	J
18.	UNKNOWN LONG CHAIN HYDROCARB	36.70	240	J
19.	ALKANE @ C31	38.12	2400	J
20.	UNKNOWN HYDROCARBON	39.27	300	J
21.	UNKNOWN LONG CHAIN HYDROCARB	39.62	820	J
22.	UNKNOWN HYDROCARBON	39.80	720	J
23.	UNKNOWN LONG CHAIN HYDROCARB	39.88	1400	J
24.	UNKNOWN LONG CHAIN HYDROCARB	45.60	550	J
25.	UNKNOWN LONG CHAIN HYDROCARB	46.00	990	J
26.	UNKNOWN LONG CHAIN HYDROCARB	46.35	720	J

SS
6/17/93

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

ETD03

Lab Name: DATA CHEM LABS Contract: 68-D1-0080
 Lab Code: DATA C Case No.: 19810 SAS No.: _____ SDG No.: ETD01
 Matrix: (soil/water) SOIL Lab Sample ID: CLP13044
 Sample wt/vol: 30.0 (g/mL) G Lab File ID: DY15CLP044
 Level: (low/med) LOW Date Received: 04/21/93
 % Moisture: 28 decanted: (Y/N) N Date Extracted: 05/01/93
 Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 05/17/93
 Injection Volume: 2.0 (uL) Dilution Factor: 1.0
 GPC Cleanup: (Y/N) Y pH: 7.4

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

108-95-2	Phenol	460	U
111-44-4	bis(2-Chloroethyl) Ether	460	U
95-57-8	2-Chlorophenol	460	U
541-73-1	1,3-Dichlorobenzene	460	U
106-46-7	1,4-Dichlorobenzene	460	U
95-50-1	1,2-Dichlorobenzene	460	U
95-48-7	2-Methylphenol	460	U
108-60-1	2,2'-oxybis(1-Chloropropane)	460	U
106-44-5	4-Methylphenol	460	U
621-64-7	N-Nitroso-Di-n-Propylamine	460	U
67-72-1	Hexachloroethane	460	U
98-95-3	Nitrobenzene	460	U
78-59-1	Isophorone	460	U
88-75-5	2-Nitrophenol	460	U
105-67-9	2,4-Dimethylphenol	460	U
111-91-1	bis(2-Chloroethoxy) Methane	460	U
120-83-2	2,4-Dichlorophenol	460	U
120-82-1	1,2,4-Trichlorobenzene	460	U
91-20-3	Naphthalene	92	J
106-47-8	4-Chloroaniline	460	U
87-68-3	Hexachlorobutadiene	460	U
59-50-7	4-Chloro-3-Methylphenol	460	U
91-57-6	2-Methylnaphthalene	180	J
77-47-4	Hexachlorocyclopentadiene	460	U
88-06-2	2,4,6-Trichlorophenol	460	U
95-95-4	2,4,5-Trichlorophenol	1100	U
91-58-7	2-Chloronaphthalene	460	U
88-74-4	2-Nitroaniline	1100	U
131-11-3	Dimethyl Phthalate	460	U
208-96-8	Acenaphthylene	460	U
606-20-2	2,6-Dinitrotoluene	460	U
99-09-2	3-Nitroaniline	1100	U
83-32-9	Acenaphthene	460	U

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1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SA-50-23
ETD03

Lab Name: DATA CHEM LABS Contract: 68-D1-0080
 Lab Code: DATA C Case No.: 19810 SAS No.: _____ SDG No.: ETD01
 Matrix: (soil/water) SOIL Lab Sample ID: CLP13044
 Sample wt/vol: 30.0 (g/mL) G Lab File ID: DY15CLP044
 Level: (low/med) LOW Date Received: 04/21/93
 % Moisture: 28 decanted: (Y/N) N Date Extracted: 05/01/93
 Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 05/17/93
 Injection Volume: 2.0 (uL) Dilution Factor: 1.0
 GPC Cleanup: (Y/N) Y pH: 7.4

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/KG</u>	Q
51-28-5	2,4-Dinitrophenol	1100	U
100-02-7	4-Nitrophenol	1100	U
132-64-9	Dibenzofuran	60	J-
121-14-2	2,4-Dinitrotoluene	460	U
84-66-2	Diethylphthalate	460	U
7005-72-3	4-Chlorophenyl-phenylether	460	U
86-73-7	Fluorene	460	U
100-01-6	4-Nitroaniline	1100	U
534-52-1	4,6-Dinitro-2-Methylphenol	1100	U
86-30-6	N-Nitrosodiphenylamine (1)	460	U
101-55-3	4-Bromophenyl-phenylether	460	U
118-74-1	Hexachlorobenzene	460	U
87-86-5	Pentachlorophenol	1100	U
85-01-8	Phenanthrene	260	J-
120-12-7	Anthracene	460	U
86-74-8	Carbazole	460	U
84-74-2	Di-n-Butylphthalate	460	U
206-44-0	Fluoranthene	340	J-
129-00-0	Pyrene	260	J-
85-68-7	Butylbenzylphthalate	460	U
91-94-1	3,3'-Dichlorobenzidine	460	U
56-55-3	Benzo(a)Anthracene	150	J-
218-01-9	Chrysene	140	J-
117-81-7	bis(2-Ethylhexyl)Phthalate	190	J-
117-84-0	Di-n-Octyl Phthalate	460	U
205-99-2	Benzo(b)Fluoranthene	460	U
207-08-9	Benzo(k)Fluoranthene	460	U
50-32-8	Benzo(a)Pyrene	460	U
193-39-5	Indeno(1,2,3-cd)Pyrene	460	U
53-70-3	Dibenz(a,h)Anthracene	460	U
191-24-2	Benzo(g,h,i)Perylene	460	U

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

ETD03

Lab Name: DATA CHEM LABS Contract: 68-D1-0080
 Lab Code: DATA C Case No.: 19810 SAS No.: _____ SDG No.: ETD01
 Matrix: (soil/water) SOIL Lab Sample ID: CLP13044
 Sample wt/vol: 30.0 (g/mL) G Lab File ID: DY15CLP044
 Level: (low/med) LOW Date Received: 04/21/93
 % Moisture: 28 decanted: (Y/N) N Date Extracted: 05/01/93
 Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 05/17/93
 Injection Volume: 2.0 (uL) Dilution Factor: 1.0
 GPC Cleanup: (Y/N) Y pH: 7.4

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

Number TICs found: 28

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	ALDOL CONDENSATION PRODUCT	9.08	280	AJ
2.	C6 ALKENE	9.17	560	J
3.	ALDOL CONDENSATION PRODUCT	9.22	370	AJ
4.	ALDOL CONDENSATION PRODUCT	9.53	420	AJ
5.	ALDOL CONDENSATION PRODUCT	9.67	160	AJ
6.	ALDOL CONDENSATION PRODUCT	9.90	200	AJ
7.	ALDOL CONDENSATION PRODUCT	10.13	530	ABJd
8.	UNKNOWN OXYHYDROCARBON	10.28	140	-
9.	ALDOL CONDENSATION PRODUCT	10.85	490	AJ
10.	124-18-5 DECANE	11.07	150	JN
11.	ALDOL CONDENSATION PRODUCT	11.17	230	AJ
12.	ALDOL CONDENSATION PRODUCT	11.28	260	AJ
13.	1120-21-4 UNDECANE	12.98	170	JN
14.	ALKANE @ C13	16.27	100	J
15.	90-12-0 1-METHYLNAPHTHALENE	16.78	120	JN
16.	ALKANE @ C14	17.73	110	J
17.	ALKANE @ C15	19.10	100	J
18.	ALKANE @ C17	21.70	410	J
19.	ALKANE @ C19	23.90	93	J
20.	ALKANE @ C23	27.85	180	J
21.	ALKANE @ C24	28.75	160	J
22.	ALKANE @ C25	29.60	300	J
23.	ALKANE @ C26	30.52	150	J
24.	ALKANE @ C27	31.57	470	J
25.	UNKNOWN LONG CHAIN HYDROCARB	33.43	170	J
26.	ALKANE @ C29	34.27	1700	J
27.	ALKANE @ C31	38.13	1400	J
28.	UNKNOWN HYDROCARBON	39.78	290	J

SE
4/17

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

ETD04

Lab Name: DATA CHEM LABS Contract: 68-D1-0080
 Lab Code: DATA C Case No.: 19810 SAS No.: _____ SDG No.: ETD01
 Matrix: (soil/water) SOIL Lab Sample ID: CLP13045
 Sample wt/vol: 30.0 (g/mL) G Lab File ID: DY15CLP045
 Level: (low/med) LOW Date Received: 04/21/93
 % Moisture: 50 decanted: (Y/N) N Date Extracted: 05/01/93
 Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 05/17/93
 Injection Volume: 2.0 (uL) Dilution Factor: 1.0
 GPC Cleanup: (Y/N) Y pH: 7.3

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/KG</u>	Q
108-95-2	Phenol	660	U
111-44-4	bis(2-Chloroethyl) Ether	660	U
95-57-8	2-Chlorophenol	660	U
541-73-1	1,3-Dichlorobenzene	660	U
106-46-7	1,4-Dichlorobenzene	660	U
95-50-1	1,2-Dichlorobenzene	660	U
95-48-7	2-Methylphenol	660	U
108-60-1	2,2'-oxybis(1-Chloropropane)	660	U
106-44-5	4-Methylphenol	660	U
621-64-7	N-Nitroso-Di-n-Propylamine	660	U
67-72-1	Hexachloroethane	660	U
98-95-3	Nitrobenzene	660	U
78-59-1	Isophorone	660	U
88-75-5	2-Nitrophenol	660	U
105-67-9	2,4-Dimethylphenol	660	U
111-91-1	bis(2-Chloroethoxy)Methane	660	U
120-83-2	2,4-Dichlorophenol	660	U
120-82-1	1,2,4-Trichlorobenzene	660	U
91-20-3	Naphthalene	660	U
106-47-8	4-Chloroaniline	660	U
87-68-3	Hexachlorobutadiene	660	U
59-50-7	4-Chloro-3-Methylphenol	660	U
91-57-6	2-Methylnaphthalene	660	U
77-47-4	Hexachlorocyclopentadiene	660	U
88-06-2	2,4,6-Trichlorophenol	660	U
95-95-4	2,4,5-Trichlorophenol	1600	U
91-58-7	2-Chloronaphthalene	660	U
88-74-4	2-Nitroaniline	1600	U
131-11-3	Dimethyl Phthalate	660	U
208-96-8	Acenaphthylene	660	U
606-20-2	2,6-Dinitrotoluene	660	U
99-09-2	3-Nitroaniline	1600	U
83-32-9	Acenaphthene	660	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

5A-SD-04
ETD04

Lab Name: DATA CHEM LABS Contract: 68-D1-0080

Lab Code: DATA C Case No.: 19810 SAS No.: _____ SDG No.: ETD01

Matrix: (soil/water) SOIL Lab Sample ID: CLP13045

Sample wt/vol: 30.0 (g/mL) G Lab File ID: DY15CLP045

Level: (low/med) LOW Date Received: 04/21/93

% Moisture: 50 decanted: (Y/N) N Date Extracted: 05/01/93

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 05/17/93

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.3

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

CAS NO. COMPOUND UG/KG Q

51-28-5	2,4-Dinitrophenol	1600	U
100-02-7	4-Nitrophenol	1600	U
132-64-9	Dibenzofuran	660	U
121-14-2	2,4-Dinitrotoluene	660	U
84-66-2	Diethylphthalate	660	U
7005-72-3	4-Chlorophenyl-phenylether	660	U
86-73-7	Fluorene	660	U
100-01-6	4-Nitroaniline	1600	U
534-52-1	4,6-Dinitro-2-Methylphenol	1600	U
86-30-6	N-Nitrosodiphenylamine (1)	660	U
101-55-3	4-Bromophenyl-phenylether	660	U
118-74-1	Hexachlorobenzene	660	U
87-86-5	Pentachlorophenol	1600	U
85-01-8	Phenanthrene	660	U
120-12-7	Anthracene	660	U
86-74-8	Carbazole	660	U
84-74-2	Di-n-Butylphthalate	660	U
206-44-0	Fluoranthene	660	U
129-00-0	Pyrene	660	U
85-68-7	Butylbenzylphthalate	660	U
91-94-1	3,3'-Dichlorobenzidine	660	U
56-55-3	Benzo(a)Anthracene	660	U
218-01-9	Chrysene	660	U
117-81-7	bis(2-Ethylhexyl) Phthalate	660	U
117-84-0	Di-n-Octyl Phthalate	660	U
205-99-2	Benzo(b) Fluoranthene	660	U
207-08-9	Benzo(k) Fluoranthene	660	U
50-32-8	Benzo(a) Pyrene	660	U
193-39-5	Indeno(1,2,3-cd) Pyrene	660	U
53-70-3	Dibenz(a,h) Anthracene	660	U
191-24-2	Benzo(g,h,i) Perylene	660	U

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

ETD04

Lab Name: DATA CHEM LABS Contract: 68-D1-0080

Lab Code: DATA C Case No.: 19810 SAS No.: _____ SDG No.: ETD01

Matrix: (soil/water) SOIL Lab Sample ID: CLP13045

Sample wt/vol: 30.0 (g/mL) G Lab File ID: DY15CLP045

Level: (low/med) LOW Date Received: 04/21/93

% Moisture: 50 decanted: (Y/N) N Date Extracted: 05/01/93

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 05/17/93

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

µPC Cleanup: (Y/N) Y pH: 7.3

Number TICs found: 26

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	ALDOL CONDENSATION PRODUCT	9.08	670	AJ
2.	ALDOL CONDENSATION PRODUCT	9.22	770	AJ
3.	ALDOL CONDENSATION PRODUCT	9.52	870	AJ
4.	ALDOL CONDENSATION PRODUCT	9.67	200	AJ
5.	ALDOL CONDENSATION PRODUCT	9.90	440	AJ
6.	ALDOL CONDENSATION PRODUCT	10.12	1000	ABJU <i>ES</i>
7.	UNKNOWN OXYHYDROCARBON	10.27	210	J <i>4/17/93</i>
8.	ALDOL CONDENSATION PRODUCT	10.85	1000	AJ
9.	ALDOL CONDENSATION PRODUCT	11.15	630	AJ
10.	ALDOL CONDENSATION PRODUCT	11.27	640	AJ
11.	ALDOL CONDENSATION PRODUCT	12.05	510	AJ
12.	ALDOL CONDENSATION PRODUCT	12.08	460	AJ
13.	UNKNOWN OXYHYDROCARBON	25.77	320	J
14.	ALKANE @ C23	27.83	190	J
15.	ALKANE @ C24	28.72	220	J
16.	ALKANE @ C25	29.57	350	J
17.	ALKANE @ C26	30.48	170	J
18.	ALKANE @ C27	31.55	480	J
19.	ALKANE @ C28	32.78	330	J
20.	ALKANE @ C29	34.23	2400	J
21.	UNKNOWN HYDROCARBON	36.70	240	J
22.	ALKANE @ C31	38.12	3200	J
23.	UNKNOWN HYDROCARBON	39.25	290	J
24.	UNKNOWN HYDROCARBON	39.77	570	J
25.	ALKANE @ C33	43.80	700	J
26.	UNKNOWN HYDROCARBON	44.72	630	J

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SA-SD-05

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

ETD05

Lab Name: DATA CHEM LABS Contract: 68-D1-0080

Lab Code: DATA C Case No.: 19810 SAS No.: _____ SDG No.: ETD01

Matrix: (soil/water) SOIL Lab Sample ID: CLP13046

Sample wt/vol: 30.0 (g/mL) G Lab File ID: DZ13CLP046

Level: (low/med) LOW Date Received: 04/21/93

% Moisture: 30 decanted: (Y/N) N Date Extracted: 05/01/93

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 05/18/93

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 8.9

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/KG</u>	Q
108-95-2	Phenol	470	U
111-44-4	bis(2-Chloroethyl) Ether	470	U
95-57-8	2-Chlorophenol	470	U
541-73-1	1,3-Dichlorobenzene	470	U
106-46-7	1,4-Dichlorobenzene	470	U
95-50-1	1,2-Dichlorobenzene	470	U
95-48-7	2-Methylphenol	470	U
108-60-1	2,2'-oxybis(1-Chloropropane)	470	U
106-44-5	4-Methylphenol	470	U
621-64-7	N-Nitroso-Di-n-Propylamine	470	U
67-72-1	Hexachloroethane	470	U
98-95-3	Nitrobenzene	470	U
78-59-1	Isophorone	470	U
88-75-5	2-Nitrophenol	470	U
105-67-9	2,4-Dimethylphenol	470	U
111-91-1	bis(2-Chloroethoxy)Methane	470	U
120-83-2	2,4-Dichlorophenol	470	U
120-82-1	1,2,4-Trichlorobenzene	470	U
91-20-3	Naphthalene	470	U
106-47-8	4-Chloroaniline	470	U
87-68-3	Hexachlorobutadiene	470	U
59-50-7	4-Chloro-3-Methylphenol	470	U
91-57-6	2-Methylnaphthalene	470	U
77-47-4	Hexachlorocyclopentadiene	470	U
88-06-2	2,4,6-Trichlorophenol	470	U
95-95-4	2,4,5-Trichlorophenol	1100	U
91-58-7	2-Chloronaphthalene	470	U
88-74-4	2-Nitroaniline	1100	U
131-11-3	Dimethyl Phthalate	470	U
208-96-8	Acenaphthylene	470	U
606-20-2	2,6-Dinitrotoluene	470	U
599-09-2	3-Nitroaniline	1100	U
83-32-9	Acenaphthene	470	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

ETD05

Lab Name: DATA CHEM LABS Contract: 68-D1-0080

Lab Code: DATA C Case No.: 19810 SAS No.: _____ SDG No.: ETD01

Matrix: (soil/water) SOIL Lab Sample ID: CLP13046

Sample wt/vol: 30.0 (g/mL) G Lab File ID: DZ13CLP046

Level: (low/med) LOW Date Received: 04/21/93

% Moisture: 30 decanted: (Y/N) N Date Extracted: 05/01/93

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 05/18/93

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 8.9

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/KG</u>	Q
51-28-5	2,4-Dinitrophenol	1100	U
100-02-7	4-Nitrophenol	1100	U
132-64-9	Dibenzofuran	470	U
121-14-2	2,4-Dinitrotoluene	470	U
84-66-2	Diethylphthalate	470	U
7005-72-3	4-Chlorophenyl-phenylether	470	U
86-73-7	Fluorene	470	U
100-01-6	4-Nitroaniline	1100	U
534-52-1	4,6-Dinitro-2-Methylphenol	1100	U
86-30-6	N-Nitrosodiphenylamine (1)	470	U
101-55-3	4-Bromophenyl-phenylether	470	U
118-74-1	Hexachlorobenzene	470	U
87-86-5	Pentachlorophenol	1100	U
85-01-8	Phenanthrene	470	U
120-12-7	Anthracene	470	U
86-74-8	Carbazole	470	U
84-74-2	Di-n-Butylphthalate	93	J
206-44-0	Fluoranthene	470	U
129-00-0	Pyrene	470	U
85-68-7	Butylbenzylphthalate	470	U
91-94-1	3,3'-Dichlorobenzidine	470	U
56-55-3	Benzo(a)Anthracene	470	U
218-01-9	Chrysene	470	U
117-81-7	bis(2-Ethylhexyl) Phthalate	77	J
117-84-0	Di-n-Octyl Phthalate	470	U
205-99-2	Benzo(b) Fluoranthene	470	U
207-08-9	Benzo(k) Fluoranthene	470	U
50-32-8	Benzo(a) Pyrene	470	U
193-39-5	Indeno(1,2,3-cd) Pyrene	470	U
53-70-3	Dibenz(a,h) Anthracene	470	U
191-24-2	Benzo(g,h,i) Perylene	470	U

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

54-50-05
ETD05

Lab Name: DATA CHEM LABS Contract: 68-D1-0080
 Lab Code: DATA C Case No.: 19810 SAS No.: _____ SDG No.: ETD01
 Matrix: (soil/water) SOIL Lab Sample ID: CLP13046
 Sample wt/vol: 30.0 (g/mL) G Lab File ID: DZ13CLP046
 Level: (low/med) LOW Date Received: 04/21/93
 % Moisture: 30 decanted: (Y/N) N Date Extracted: 05/01/93
 Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 05/18/93
 Injection Volume: 2.0 (uL) Dilution Factor: 1.0
 GPC Cleanup: (Y/N) Y pH: 8.9

Number TICs found: 28

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	ALDOL CONDENSATION PRODUCT	9.10	95	AJ
2.	UNKNOWN HYDROCARBON	9.23	330	J
3.	ALDOL CONDENSATION PRODUCT	9.25	410	AJ
4.	ALDOL CONDENSATION PRODUCT	9.55	410	AJ
5.	ALDOL CONDENSATION PRODUCT	9.57	210	AJ
6.	ALDOL CONDENSATION PRODUCT	9.92	590	AJ
7.	ALDOL CONDENSATION PRODUCT	10.15	1700	ABJ
8.	ALDOL CONDENSATION PRODUCT	10.83	210	AJ
9.	ALDOL CONDENSATION PRODUCT	11.15	370	AJ
10.	ALDOL CONDENSATION PRODUCT	11.27	150	AJ
11.	ALDOL CONDENSATION PRODUCT	12.05	320	AJ
12.	C10 ALKYL BENZENE	20.55	100	J
13.	C11 ALKYL BENZENE	20.90	140	J
14.	C11 ALKYL BENZENE	20.95	130	J
15.	C11 ALKYL BENZENE	21.07	150	J
16.	C11 ALKYL BENZENE	21.82	250	J
17.	C12 ALKYL BENZENE	22.08	260	J
18.	C12 ALKYL BENZENE	22.08	260	J
19.	C12 ALKYL BENZENE	22.30	100	J
20.	C12 ALKYL BENZENE	22.58	100	J
21.	C12 ALKYL BENZENE	23.02	190	J
22.	UNKNOWN LONG CHAIN HYDROCARB	33.50	120	J
23.	ALKANE @ C29	34.33	410	J
24.	UNKNOWN LONG CHAIN HYDROCARB	35.30	300	J
25.	UNKNOWN HYDROCARBON	35.47	260	J
26.	ALKANE @ C31	38.23	450	J
27.	UNKNOWN POLYCYCLIC HYDROCARB	42.27	580	J
28.	ALKANE @ C33	44.00	140	J

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

ETD06

Lab Name: DATA CHEM LABS Contract: 68-D1-0080

Lab Code: DATA C Case No.: 19810 SAS No.: _____ SDG No.: ETD01

Matrix: (soil/water) SOIL Lab Sample ID: CLP13047

Sample wt/vol: 30.0 (g/mL) G Lab File ID: DZ14CLP047

Level: (low/med) LOW Date Received: 04/21/93

% Moisture: 51 decanted: (Y/N) N Date Extracted: 05/01/93

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 05/18/93

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

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

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/KG</u>	Q
108-95-2	Phenol	670	U
111-44-4	bis(2-Chloroethyl) Ether	670	U
95-57-8	2-Chlorophenol	670	U
541-73-1	1,3-Dichlorobenzene	670	U
106-46-7	1,4-Dichlorobenzene	670	U
95-50-1	1,2-Dichlorobenzene	670	U
95-48-7	2-Methylphenol	670	U
108-60-1	2,2'-oxybis(1-Chloropropane)	670	U
106-44-5	4-Methylphenol	670	U
621-64-7	N-Nitroso-Di-n-Propylamine	670	U
67-72-1	Hexachloroethane	670	U
98-95-3	Nitrobenzene	670	U
78-59-1	Isophorone	670	U
88-75-5	2-Nitrophenol	670	U
105-67-9	2,4-Dimethylphenol	670	U
111-91-1	bis(2-Chloroethoxy)Methane	670	U
120-83-2	2,4-Dichlorophenol	670	U
120-82-1	1,2,4-Trichlorobenzene	670	U
91-20-3	Naphthalene	670	U
106-47-8	4-Chloroaniline	670	U
87-68-3	Hexachlorobutadiene	670	U
59-50-7	4-Chloro-3-Methylphenol	670	U
91-57-6	2-Methylnaphthalene	670	U
77-47-4	Hexachlorocyclopentadiene	670	U
88-06-2	2,4,6-Trichlorophenol	670	U
95-95-4	2,4,5-Trichlorophenol	1600	U
91-58-7	2-Chloronaphthalene	670	U
88-74-4	2-Nitroaniline	1600	U
131-11-3	Dimethyl Phthalate	670	U
208-96-8	Acenaphthylene	670	U
606-20-2	2,6-Dinitrotoluene	670	U
99-09-2	3-Nitroaniline	1600	U
83-32-9	Acenaphthene	670	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

5A-5D-06
ETD06

Lab Name: DATA CHEM LABS Contract: 68-D1-0080
 Lab Code: DATA C Case No.: 19810 SAS No.: _____ SDG No.: ETD01
 Matrix: (soil/water) SOIL Lab Sample ID: CLP13047
 Sample wt/vol: 30.0 (g/mL) G Lab File ID: DZ14CLP047
 Level: (low/med) LOW Date Received: 04/21/93
 % Moisture: 51 decanted: (Y/N) N Date Extracted: 05/01/93
 Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 05/18/93
 Injection Volume: 2.0 (uL) Dilution Factor: 1.0
 GPC Cleanup: (Y/N) Y pH: 7.1

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/KG</u>	Q
51-28-5	2,4-Dinitrophenol	1600	U
100-02-7	4-Nitrophenol	1600	U
132-64-9	Dibenzofuran	670	U
121-14-2	2,4-Dinitrotoluene	670	U
84-66-2	Diethylphthalate	670	U
7005-72-3	4-Chlorophenyl-phenylether	670	U
86-73-7	Fluorene	670	U
100-01-6	4-Nitroaniline	1600	U
534-52-1	4,6-Dinitro-2-Methylphenol	1600	U
86-30-6	N-Nitrosodiphenylamine (1)	670	U
101-55-3	4-Bromophenyl-phenylether	670	U
118-74-1	Hexachlorobenzene	670	U
87-86-5	Pentachlorophenol	1600	U
85-01-8	Phenanthrene	670	U
120-12-7	Anthracene	670	U
86-74-8	Carbazole	670	U
84-74-2	Di-n-Butylphthalate	670	U
206-44-0	Fluoranthene	670	U
129-00-0	Pyrene	670	U
85-68-7	Butylbenzylphthalate	670	U
91-94-1	3,3'-Dichlorobenzidine	670	U
56-55-3	Benzo(a)Anthracene	670	U
218-01-9	Chrysene	670	U
117-81-7	bis(2-Ethylhexyl) Phthalate	670	U
117-84-0	Di-n-Octyl Phthalate	670	U
205-99-2	Benzo(b) Fluoranthene	670	U
207-08-9	Benzo(k) Fluoranthene	670	U
50-32-8	Benzo(a) Pyrene	670	U
193-39-5	Indeno(1,2,3-cd) Pyrene	670	U
53-70-3	Dibenz(a,h) Anthracene	670	U
191-24-2	Benzo(g,h,i) Perylene	670	U

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

ETD06

Lab Name: DATA CHEM LABS Contract: 68-D1-0080
 Lab Code: DATA C Case No.: 19810 SAS No.: _____ SDG No.: ETD01
 Matrix: (soil/water) SOIL Lab Sample ID: CLP13047
 Sample wt/vol: 30.0 (g/mL) G Lab File ID: DZ14CLP047
 Level: (low/med) LOW Date Received: 04/21/93
 % Moisture: 51 decanted: (Y/N) N Date Extracted: 05/01/93
 Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 05/18/93
 Injection Volume: 2.0 (uL) Dilution Factor: 1.0
 GPC Cleanup: (Y/N) Y pH: 7.1

Number TICs found: 27

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	ALDOL CONDENSATION PRODUCT	8.98	220	AJ
2.	ALDOL CONDENSATION PRODUCT	9.12	400	AJ
3.	ALDOL CONDENSATION PRODUCT	9.45	370	AJ
4.	ALDOL CONDENSATION PRODUCT	9.83	1100	AJ
5.	ALDOL CONDENSATION PRODUCT	10.03	300	ABJ/A
6.	ALDOL CONDENSATION PRODUCT	11.22	420	AJ
7.	ALDOL CONDENSATION PRODUCT	12.02	380	AJ
8.	C11 ALKYL BENZENE	20.97	510	J
9.	C11 ALKYL BENZENE	21.10	250	J
10.	C11 ALKYL BENZENE	21.83	270	J
11.	C12 ALKYL BENZENE	22.17	200	J
12.	C12 ALKYL BENZENE	22.32	200	J
13.	C12 ALKYL BENZENE	23.05	250	J
14.	UNKNOWN OXYHYDROCARBON	23.37	340	J
15.	UNKNOWN CYCLIC HYDROCARBON	23.77	350	J
16. 57-10-3	HEXADECANOIC ACID	24.55	380	JN
17.	ALKANE @ C23	27.88	190	J
18.	UNKNOWN POLYCYCLIC HYDROCARB	29.58	170	J
19.	ALKANE @ C25	29.63	490	J
20.	UNKNOWN CYCLIC HYDROCARBON	30.52	190	J
21.	ALKANE @ C26	30.55	230	J
22.	UNKNOWN AROMATIC, MW=274	31.25	180	J
23.	ALKANE @ C27	31.62	1100	J
24.	UNKNOWN PNA	32.08	260	J
25. 111-02-4	SQUALENE	33.50	930	JN
26.	ALKANE @ C29	34.35	5000	J
27.	ALKANE @ C31	38.27	3500	J

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

ETD07

Lab Name: DATA CHEM LABS Contract: 68-D1-0080
 Lab Code: DATA C Case No.: 19810 SAS No.: _____ SDG No.: ETD01
 Matrix: (soil/water) SOIL Lab Sample ID: CLP13048
 Sample wt/vol: 30.0 (g/mL) G Lab File ID: DZ15CLP048
 Level: (low/med) LOW Date Received: 04/21/93
 % Moisture: 44 decanted: (Y/N) N Date Extracted: 05/01/93
 Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 05/18/93
 Injection Volume: 2.0 (uL) Dilution Factor: 1.0
 GPC Cleanup: (Y/N) Y pH: 6.9

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/KG</u>	Q
108-95-2	Phenol	590	U
111-44-4	bis(2-Chloroethyl) Ether	590	U
95-57-8	2-Chlorophenol	590	U
541-73-1	1,3-Dichlorobenzene	590	U
106-46-7	1,4-Dichlorobenzene	590	U
95-50-1	1,2-Dichlorobenzene	590	U
95-48-7	2-Methylphenol	590	U
108-60-1	2,2'-oxybis(1-Chloropropane)	590	U
106-44-5	4-Methylphenol	590	U
621-64-7	N-Nitroso-Di-n-Propylamine	590	U
67-72-1	Hexachloroethane	590	U
98-95-3	Nitrobenzene	590	U
78-59-1	Isophorone	590	U
88-75-5	2-Nitrophenol	590	U
105-67-9	2,4-Dimethylphenol	590	U
111-91-1	bis(2-Chloroethoxy) Methane	590	U
120-83-2	2,4-Dichlorophenol	590	U
120-82-1	1,2,4-Trichlorobenzene	590	U
91-20-3	Naphthalene	590	U
106-47-8	4-Chloroaniline	590	U
87-68-3	Hexachlorobutadiene	590	U
59-50-7	4-Chloro-3-Methylphenol	590	U
91-57-6	2-Methylnaphthalene	590	U
77-47-4	Hexachlorocyclopentadiene	590	U
88-06-2	2,4,6-Trichlorophenol	590	U
95-95-4	2,4,5-Trichlorophenol	1400	U
91-58-7	2-Chloronaphthalene	590	U
88-74-4	2-Nitroaniline	1400	U
131-11-3	Dimethyl Phthalate	590	U
208-96-8	Acenaphthylene	590	U
606-20-2	2,6-Dinitrotoluene	590	U
99-09-2	3-Nitroaniline	1400	U
83-32-9	Acenaphthene	590	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

ETD07

Lab Name: DATA CHEM LABS Contract: 68-D1-0080
 Lab Code: DATA C Case No.: 19810 SAS No.: _____ SDG No.: ETD01
 Matrix: (soil/water) SOIL Lab Sample ID: CLP13048
 Sample wt/vol: 30.0 (g/mL) G Lab File ID: DZ15CLP048
 Level: (low/med) LOW Date Received: 04/21/93
 % Moisture: 44 decanted: (Y/N) N Date Extracted: 05/01/93
 Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 05/18/93
 Injection Volume: 2.0 (uL) Dilution Factor: 1.0
 GPC Cleanup: (Y/N) Y pH: 6.9

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

51-28-5	2,4-Dinitrophenol	1400	U
100-02-7	4-Nitrophenol	1400	U
132-64-9	Dibenzofuran	590	U
121-14-2	2,4-Dinitrotoluene	590	U
84-66-2	Diethylphthalate	590	U
7005-72-3	4-Chlorophenyl-phenylether	590	U
86-73-7	Fluorene	590	U
100-01-6	4-Nitroaniline	1400	U
534-52-1	4,6-Dinitro-2-Methylphenol	1400	U
86-30-6	N-Nitrosodiphenylamine (1)	590	U
101-55-3	4-Bromophenyl-phenylether	590	U
118-74-1	Hexachlorobenzene	590	U
87-86-5	Pentachlorophenol	1400	U
85-01-8	Phenanthrene	590	U
120-12-7	Anthracene	590	U
86-74-8	Carbazole	590	U
84-74-2	Di-n-Butylphthalate	100	J
206-44-0	Fluoranthene	590	U
129-00-0	Pyrene	590	U
85-68-7	Butylbenzylphthalate	590	U
91-94-1	3,3'-Dichlorobenzidine	590	U
56-55-3	Benzo(a)Anthracene	590	U
218-01-9	Chrysene	590	U
117-81-7	bis(2-Ethylhexyl)Phthalate	590	U
117-84-0	Di-n-Octyl Phthalate	590	U
205-99-2	Benzo(b)Fluoranthene	590	U
207-08-9	Benzo(k)Fluoranthene	590	U
50-32-8	Benzo(a)Pyrene	590	U
193-39-5	Indeno(1,2,3-cd)Pyrene	590	U
53-70-3	Dibenz(a,h)Anthracene	590	U
191-24-2	Benzo(g,h,i)Perylene	590	U

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

5A-5D-07
ETD07

Lab Name: DATA CHEM LABS Contract: 68-D1-0080
 Lab Code: DATA C Case No.: 19810 SAS No.: _____ SDG No.: ETD01
 Matrix: (soil/water) SOIL Lab Sample ID: CLP13048
 Sample wt/vol: 30.0 (g/mL) G Lab File ID: DZ15CLP048
 Level: (low/med) LOW Date Received: 04/21/93
 % Moisture: 44 decanted: (Y/N) N Date Extracted: 05/01/93
 Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 05/18/93
 Injection Volume: 2.0 (uL) Dilution Factor: 1.0
 GPC Cleanup: (Y/N) Y pH: 6.9

Number TICs found: 25 CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	ALDOL CONDENSATION PRODUCT	9.17	350	AJ
2.	ALDOL CONDENSATION PRODUCT	9.48	730	AJ
3.	ALDOL CONDENSATION PRODUCT	9.85	1000	AJ
4.	ALDOL CONDENSATION PRODUCT	10.80	980	AJ
5.	ALDOL CONDENSATION PRODUCT	11.25	1000	AJ
6. 629-78-7	HEPTADECANE	21.63	860	JN
7.	ALKANE @ C18	22.17	990	J
8.	UNKNOWN OXYHYDROCARBON	23.77	620	J
9.	UNKNOWN LONG CHAIN HYDROCARB	23.85	260	J
10.	UNKNOWN LONG CHAIN HYDROCARB	25.62	160	J
11.	C8 ADIPATE	28.82	180	J
12.	ALKANE @ C25	29.63	260	J
13.	ALKANE @ C27	31.63	290	J
14. 111-02-4	SQUALENE	33.53	450	JN
15.	UNKNOWN POLYCYCLIC HYDROCARB	34.23	180	J
16.	ALKANE @ C29	34.37	810	J
17.	UNKNOWN LONG CHAIN HYDROCARB	34.90	420	J
18.	UNKNOWN HYDROCARBON	35.78	580	J
19.	ALKANE @ C31	38.28	590	J
20.	UNKNOWN POLYCYCLIC HYDROCARB	39.42	360	J
21.	UNKNOWN LONG CHAIN HYDROCARB	40.07	230	J
22.	UNKNOWN LONG CHAIN HYDROCARB	44.07	200	J
23.	UNKNOWN LONG CHAIN HYDROCARB	45.88	480	J
24.	UNKNOWN LONG CHAIN HYDROCARB	46.27	320	J
25.	UNKNOWN LONG CHAIN HYDROCARB	46.65	240	J

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

ETD08

Lab Name: DATA CHEM LABS Contract: 68-D1-0080
 Lab Code: DATA C Case No.: 19810 SAS No.: _____ SDG No.: ETD01
 Matrix: (soil/water) SOIL Lab Sample ID: CLP13049
 Sample wt/vol: 30.0 (g/mL) G Lab File ID: DZ16CLP049
 Level: (low/med) LOW Date Received: 04/21/93
 % Moisture: 46 decanted: (Y/N) N Date Extracted: 05/01/93
 Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 05/18/93
 Injection Volume: 2.0 (uL) Dilution Factor: 1.0
 GPC Cleanup: (Y/N) Y pH: 7.6

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/KG</u>	Q
108-95-2	Phenol	610	U
111-44-4	bis(2-Chloroethyl) Ether	610	U
95-57-8	2-Chlorophenol	610	U
541-73-1	1,3-Dichlorobenzene	610	U
106-46-7	1,4-Dichlorobenzene	610	U
95-50-1	1,2-Dichlorobenzene	610	U
95-48-7	2-Methylphenol	610	U
108-60-1	2,2'-oxybis(1-Chloropropane)	610	U
106-44-5	4-Methylphenol	280	J-
621-64-7	N-Nitroso-Di-n-Propylamine	610	U
67-72-1	Hexachloroethane	610	U
98-95-3	Nitrobenzene	610	U
78-59-1	Isophorone	610	U
88-75-5	2-Nitrophenol	610	U
105-67-9	2,4-Dimethylphenol	610	U
111-91-1	bis(2-Chloroethoxy) Methane	610	U
120-83-2	2,4-Dichlorophenol	610	U
120-82-1	1,2,4-Trichlorobenzene	610	U
91-20-3	Naphthalene	610	U
106-47-8	4-Chloroaniline	610	U
87-68-3	Hexachlorobutadiene	610	U
59-50-7	4-Chloro-3-Methylphenol	610	U
91-57-6	2-Methylnaphthalene	610	U
77-47-4	Hexachlorocyclopentadiene	610	U
88-06-2	2,4,6-Trichlorophenol	610	U
95-95-4	2,4,5-Trichlorophenol	1500	U
91-58-7	2-Chloronaphthalene	610	U
88-74-4	2-Nitroaniline	1500	U
131-11-3	Dimethyl Phthalate	610	U
208-96-8	Acenaphthylene	610	U
606-20-2	2,6-Dinitrotoluene	610	U
99-09-2	3-Nitroaniline	1500	U
83-32-9	Acenaphthene	610	U

733

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

JA-50-26
ETD08

Lab Name: DATA CHEM LABS Contract: 68-D1-0080

Lab Code: DATA C Case No.: 19810 SAS No.: _____ SDG No.: ETD01

Matrix: (soil/water) SOIL Lab Sample ID: CLP13049

Sample wt/vol: 30.0 (g/mL) G Lab File ID: DZ16CLP049

Level: (low/med) LOW Date Received: 04/21/93

% Moisture: 46 decanted: (Y/N) N Date Extracted: 05/01/93

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 05/18/93

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.6

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/KG</u>	Q
51-28-5	2,4-Dinitrophenol	1500	U
100-02-7	4-Nitrophenol	1500	U
132-64-9	Dibenzofuran	610	U
121-14-2	2,4-Dinitrotoluene	610	U
84-66-2	Diethylphthalate	610	U
7005-72-3	4-Chlorophenyl-phenylether	610	U
86-73-7	Fluorene	610	U
100-01-6	4-Nitroaniline	1500	U
534-52-1	4,6-Dinitro-2-Methylphenol	1500	U
86-30-6	N-Nitrosodiphenylamine (1)	610	U
101-55-3	4-Bromophenyl-phenylether	610	U
118-74-1	Hexachlorobenzene	610	U
87-86-5	Pentachlorophenol	1500	U
85-01-8	Phenanthrene	610	U
120-12-7	Anthracene	610	U
86-74-8	Carbazole	610	U
84-74-2	Di-n-Butylphthalate	100	J
206-44-0	Fluoranthene	610	U
129-00-0	Pyrene	610	U
85-68-7	Butylbenzylphthalate	610	U
91-94-1	3,3'-Dichlorobenzidine	610	U
56-55-3	Benzo(a)Anthracene	610	U
218-01-9	Chrysene	610	U
117-81-7	bis(2-Ethylhexyl)Phthalate	610	U
117-84-0	Di-n-Octyl Phthalate	610	U
205-99-2	Benzo(b)Fluoranthene	610	U
207-08-9	Benzo(k)Fluoranthene	610	U
50-32-8	Benzo(a)Pyrene	610	U
193-39-5	Indeno(1,2,3-cd)Pyrene	610	U
53-70-3	Dibenz(a,h)Anthracene	610	U
191-24-2	Benzo(g,h,i)Perylene	610	U

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

ETD08

Lab Name: DATA CHEM LABS Contract: 68-D1-0080
 Lab Code: DATA C Case No.: 19810 SAS No.: _____ SDG No.: ETD01
 Matrix: (soil/water) SOIL Lab Sample ID: CLP13049
 Sample wt/vol: 30.0 (g/mL) G Lab File ID: DZ16CLP049
 Level: (low/med) LOW Date Received: 04/21/93
 % Moisture: 46 decanted: (Y/N) N Date Extracted: 05/01/93
 Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 05/18/93
 Injection Volume: 2.0 (uL) Dilution Factor: 1.0
 C Cleanup: (Y/N) Y pH: 7.6

Number TICs found: 27

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	ALDOL CONDENSATION PRODUCT	9.00	150	AJ
2.	ALDOL CONDENSATION PRODUCT	9.15	460	AJ
3.	ALDOL CONDENSATION PRODUCT	9.83	760	AJ
4.	ALDOL CONDENSATION PRODUCT	10.07	440	ABJU
5.	ALDOL CONDENSATION PRODUCT	11.13	350	AJ
6.	ALDOL CONDENSATION PRODUCT	11.25	690	AJ
7.	ALDOL CONDENSATION PRODUCT	12.03	450	AJ
8.	ALKENE @C17	21.57	1000	J
9. 629-78-7	HEPTADECANE	21.65	630	JN
10.	ALKENE @C17	21.85	170	J
11.	ALKANE @C18	22.17	600	J
12.	UNKNOWN CYCLIC HYDROCARBON	23.30	120	J
13. 57-10-3	HEXADECANOIC ACID	24.57	460	JN
14.	ALKANE @C23	27.88	170	J
15.	ALKANE @C26	29.63	290	J
16.	ALKANE @C27	31.63	590	J
17. 111-02-4	SQUALENE	33.52	910	JN
18.	ALKANE @C29	34.37	1800	J
19.	UNKNOWN ALDEHYDE	34.75	420	J
20.	UNKNOWN CYCLIC HYDROCARBON	34.90	240	J
21.	UNKNOWN LONG CHAIN HYDROCARB	35.58	620	J
22.	UNKNOWN LONG CHAIN HYDROCARB	35.67	880	J
23.	ALKANE @C31	38.27	970	J
24.	UNKNOWN POLYCYCLIC HYDROCARB	39.38	230	J
25.	UNKNOWN LONG CHAIN HYDROCARB	39.78	700	J
26.	UNKNOWN LONG CHAIN HYDROCARB	40.05	350	J
27.	UNKNOWN LONG CHAIN HYDROCARB	46.23	500	J

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

ETD09

Lab Name: DATA CHEM LABS Contract: 68-D1-0080
 Lab Code: DATA C Case No.: 19810 SAS No.: _____ SDG No.: ETD01
 Matrix: (soil/water) SOIL Lab Sample ID: CLP13050
 Sample wt/vol: 30.0 (g/mL) G Lab File ID: DZ17CLP050
 Level: (low/med) LOW Date Received: 04/21/93
 % Moisture: 23 decanted: (Y/N) N Date Extracted: 05/01/93
 Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 05/18/93
 Injection Volume: 2.0 (uL) Dilution Factor: 1.0
 GPC Cleanup: (Y/N) Y pH: 10.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	430	U
111-44-4	bis(2-Chloroethyl) Ether	430	U
95-57-8	2-Chlorophenol	430	U
541-73-1	1,3-Dichlorobenzene	430	U
106-46-7	1,4-Dichlorobenzene	430	U
95-50-1	1,2-Dichlorobenzene	430	U
95-48-7	2-Methylphenol	430	U
108-60-1	2,2'-oxybis(1-Chloropropane)	430	U
106-44-5	4-Methylphenol	430	U
621-64-7	N-Nitroso-Di-n-Propylamine	430	U
67-72-1	Hexachloroethane	430	U
98-95-3	Nitrobenzene	430	U
78-59-1	Isophorone	430	U
88-75-5	2-Nitrophenol	430	U
105-67-9	2,4-Dimethylphenol	430	U
111-91-1	bis(2-Chloroethoxy)Methane	430	U
120-83-2	2,4-Dichlorophenol	430	U
120-82-1	1,2,4-Trichlorobenzene	430	U
91-20-3	Naphthalene	430	U
106-47-8	4-Chloroaniline	430	U
87-68-3	Hexachlorobutadiene	430	U
59-50-7	4-Chloro-3-Methylphenol	430	U
91-57-6	2-Methylnaphthalene	430	U
77-47-4	Hexachlorocyclopentadiene	430	U
88-06-2	2,4,6-Trichlorophenol	430	U
95-95-4	2,4,5-Trichlorophenol	1000	U
91-58-7	2-Chloronaphthalene	430	U
88-74-4	2-Nitroaniline	1000	U
131-11-3	Dimethyl Phthalate	430	U
208-96-8	Acenaphthylene	430	U
606-20-2	2,6-Dinitrotoluene	430	U
99-09-2	3-Nitroaniline	1000	U
787932-9	Acenaphthene	430	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

ETD09

Lab Name: DATA CHEM LABS Contract: 68-D1-0080

Lab Code: DATA C Case No.: 19810 SAS No.: _____ SDG No.: ETD01

Matrix: (soil/water) SOIL Lab Sample ID: CLP13050

Sample wt/vol: 30.0 (g/mL) G Lab File ID: DZ17CLP050

Level: (low/med) LOW Date Received: 04/21/93

% Moisture: 23 decanted: (Y/N) N Date Extracted: 05/01/93

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 05/18/93

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 10.0

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

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

3A-50-09
ETD09

Lab Name: DATA CHEM LABS Contract: 68-D1-0080

Lab Code: DATA C Case No.: 19810 SAS No.: _____ SDG No.: ETD01

Matrix: (soil/water) SOIL Lab Sample ID: CLP13050

Sample wt/vol: 30.0 (g/mL) G Lab File ID: DZ17CLP050

Level: (low/med) LOW Date Received: 04/21/93

% Moisture: 23 decanted: (Y/N) N Date Extracted: 05/01/93

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 05/18/93

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 10.0

Number TICs found: 9

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	ALDOL CONDENSATION PRODUCT	9.17	230	AJ
2.	ALDOL CONDENSATION PRODUCT	9.48	520	AJ
3.	ALDOL CONDENSATION PRODUCT	9.85	700	AJ
4.	ALDOL CONDENSATION PRODUCT	10.08	140	ABJU
5.	ALDOL CONDENSATION PRODUCT	10.80	260	AJ
6.	C11 ALKYL BENZENE	21.83	120	J
7.	C12 ALKYL BENZENE	23.05	94	J
8.	ALKANE @C29	34.35	100	J
9.	UNKNOWN LONG CHAIN HYDROCARB	38.25	110	J

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6/17/93

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

ETD10

Lab Name: DATA CHEM LABS Contract: 68-D1-0080
 Lab Code: DATA C Case No.: 19810 SAS No.: _____ SDG No.: ETD01
 Matrix: (soil/water) SOIL Lab Sample ID: CLP13051
 Sample wt/vol: 30.0 (g/mL) G Lab File ID: DZ18CLP051
 Level: (low/med) LOW Date Received: 04/21/93
 % Moisture: 86 decanted: (Y/N) N Date Extracted: 05/01/93
 Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 05/18/93
 Injection Volume: 2.0 (uL) Dilution Factor: 1.0
 GPC Cleanup: (Y/N) Y pH: 7.1

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg)	UG/KG	Q
108-95-2	Phenol	2400		U
111-44-4	bis(2-Chloroethyl) Ether	2400		U
95-57-8	2-Chlorophenol	2400		U
541-73-1	1,3-Dichlorobenzene	2400		U
106-46-7	1,4-Dichlorobenzene	2400		U
95-50-1	1,2-Dichlorobenzene	2400		U
95-48-7	2-Methylphenol	2400		U
108-60-1	2,2'-oxybis(1-Chloropropane)	2400		U
106-44-5	4-Methylphenol	2400		U
621-64-7	N-Nitroso-Di-n-Propylamine	2400		U
67-72-1	Hexachloroethane	2400		U
98-95-3	Nitrobenzene	2400		U
78-59-1	Isophorone	2400		U
88-75-5	2-Nitrophenol	2400		U
105-67-9	2,4-Dimethylphenol	2400		U
111-91-1	bis(2-Chloroethoxy)Methane	2400		U
120-83-2	2,4-Dichlorophenol	2400		U
120-82-1	1,2,4-Trichlorobenzene	2400		U
91-20-3	Naphthalene	2400		U
106-47-8	4-Chloroaniline	2400		U
87-68-3	Hexachlorobutadiene	2400		U
59-50-7	4-Chloro-3-Methylphenol	2400		U
91-57-6	2-Methylnaphthalene	2400		U
77-47-4	Hexachlorocyclopentadiene	2400		U
88-06-2	2,4,6-Trichlorophenol	2400		U
95-95-4	2,4,5-Trichlorophenol	5700		U
91-58-7	2-Chloronaphthalene	2400		U
88-74-4	2-Nitroaniline	5700		U
131-11-3	Dimethyl Phthalate	2400		U
208-96-8	Acenaphthylene	2400		U
606-20-2	2,6-Dinitrotoluene	2400		U
99-09-2	3-Nitroaniline	5700		U
83-32-9	Acenaphthene	2400		U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

5A-50-10
ETD10

Lab Name: DATA CHEM LABS Contract: 68-D1-0080
 Lab Code: DATA C Case No.: 19810 SAS No.: _____ SDG No.: ETD01
 Matrix: (soil/water) SOIL Lab Sample ID: CLP13051
 Sample wt/vol: 30.0 (g/mL) G Lab File ID: DZ18CLP051
 Level: (low/med) LOW Date Received: 04/21/93
 % Moisture: 86 decanted: (Y/N) N Date Extracted: 05/01/93
 Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 05/18/93
 Injection Volume: 2.0 (uL) Dilution Factor: 1.0
 GPC Cleanup: (Y/N) Y pH: 7.1

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

51-28-5-----	2,4-Dinitrophenol	5700	U
100-02-7-----	4-Nitrophenol	5700	U
132-64-9-----	Dibenzofuran	2400	U
121-14-2-----	2,4-Dinitrotoluene	2400	U
84-66-2-----	Diethylphthalate	2400	U
7005-72-3-----	4-Chlorophenyl-phenylether	2400	U
86-73-7-----	Fluorene	2400	U
100-01-6-----	4-Nitroaniline	5700	U
534-52-1-----	4,6-Dinitro-2-Methylphenol	5700	U
86-30-6-----	N-Nitrosodiphenylamine (1)	2400	U
101-55-3-----	4-Bromophenyl-phenylether	2400	U
118-74-1-----	Hexachlorobenzene	2400	U
87-86-5-----	Pentachlorophenol	5700	U
85-01-8-----	Phenanthrene	2400	U
120-12-7-----	Anthracene	2400	U
86-74-8-----	Carbazole	2400	U
84-74-2-----	Di-n-Butylphthalate	2400	U
206-44-0-----	Fluoranthene	2400	U
129-00-0-----	Pyrene	2400	U
85-68-7-----	Butylbenzylphthalate	2400	U
91-94-1-----	3,3'-Dichlorobenzidine	2400	U
56-55-3-----	Benzo(a)Anthracene	2400	U
218-01-9-----	Chrysene	2400	U
117-81-7-----	bis(2-Ethylhexyl) Phthalate	250	J-
117-84-0-----	Di-n-Octyl Phthalate	2400	U
205-99-2-----	Benzo(b)Fluoranthene	2400	U
207-08-9-----	Benzo(k)Fluoranthene	2400	U
50-32-8-----	Benzo(a)Pyrene	2400	U
193-39-5-----	Indeno(1,2,3-cd)Pyrene	2400	U
53-70-3-----	Dibenz(a,h)Anthracene	2400	U
191-24-2-----	Benzo(g,h,i)Perylene	2400	U

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

ETD10

Lab Name: DATA CHEM LABS Contract: 68-D1-0080

Lab Code: DATA C Case No.: 19810 SAS No.: _____ SDG No.: ETD01

Matrix: (soil/water) SOIL Lab Sample ID: CLP13051

Sample wt/vol: 30.0 (g/mL) G Lab File ID: DZ18CLP051

Level: (low/med) LOW Date Received: 04/21/93

% Moisture: 86 decanted: (Y/N) N Date Extracted: 05/01/93

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 05/18/93

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

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

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

Number TICs found: 27

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	ALDOL CONDENSATION PRODUCT	9.00	980	AJ
2.	ALDOL CONDENSATION PRODUCT	9.13	2000	AJ
3.	ALDOL CONDENSATION PRODUCT	9.47	1600	AJ
4.	ALDOL CONDENSATION PRODUCT	9.83	6800	AJ
5.	ALDOL CONDENSATION PRODUCT	10.05	1600	ABJd
6.	ALDOL CONDENSATION PRODUCT	11.10	690	AJ
7.	ALDOL CONDENSATION PRODUCT	11.22	1700	AJ
8.	ALDOL CONDENSATION PRODUCT	12.00	2200	AJ
9.	ALDOL CONDENSATION PRODUCT	12.05	1800	AJ
10.	UNKNOWN ALDEHYDE	27.23	2600	J
11.	ALKANE @ C23	27.87	720	J
12.	UNKNOWN ALDEHYDE	29.08	1500	J
13.	ALKANE @ C25	29.62	1300	J
14.	UNKNOWN ALDEHYDE	29.97	650	J
15.	UNKNOWN ALDEHYDE	30.97	550	J
16.	ALKANE @ C27	31.60	2400	J
17.	ALKANE @ C28	32.87	620	J
18.	UNKNOWN ALDEHYDE	33.50	1600	J
19.	ALKANE @ C29	34.35	6300	J
20.	UNKNOWN LONG CHAIN HYDROCARB	34.73	890	J
21.	ALKANE @ C31	38.25	2100	J
22.	UNKNOWN POLYCYCLIC HYDROCARB	39.38	1300	J
23.	UNKNOWN POLYCYCLIC HYDROCARB	39.87	590	J
24.	UNKNOWN POLYCYCLIC HYDROCARB	41.58	690	J
25.	UNKNOWN HYDROCARBON	44.03	940	J
26.	UNKNOWN HYDROCARBON	44.98	520	J
27.	UNKNOWN HYDROCARBON	47.17	1800	J

6/17

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

ETD11

Lab Name: DATA CHEM LABS Contract: 68-D1-0080
 Lab Code: DATA C Case No.: 19810 SAS No.: _____ SDG No.: ETD01
 Matrix: (soil/water) SOIL Lab Sample ID: CLP13052
 Sample wt/vol: 30.0 (g/mL) G Lab File ID: DZ19CLP052
 Level: (low/med) LOW Date Received: 04/21/93
 % Moisture: 55 decanted: (Y/N) N Date Extracted: 05/01/93
 Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 05/18/93
 Injection Volume: 2.0 (uL) Dilution Factor: 1.0
 GPC Cleanup: (Y/N) Y pH: 7.2

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

CAS NO.	COMPOUND	CONCENTRATION	Q
108-95-2	Phenol	730	U
111-44-4	bis(2-Chloroethyl) Ether	730	U
95-57-8	2-Chlorophenol	730	U
541-73-1	1,3-Dichlorobenzene	730	U
106-46-7	1,4-Dichlorobenzene	730	U
95-50-1	1,2-Dichlorobenzene	730	U
95-48-7	2-Methylphenol	730	U
108-60-1	2,2'-oxybis(1-Chloropropane)	730	U
106-44-5	4-Methylphenol	730	U
621-64-7	N-Nitroso-Di-n-Propylamine	730	U
67-72-1	Hexachloroethane	730	U
98-95-3	Nitrobenzene	730	U
78-59-1	Isophorone	730	U
88-75-5	2-Nitrophenol	730	U
105-67-9	2,4-Dimethylphenol	730	U
111-91-1	bis(2-Chloroethoxy)Methane	730	U
120-83-2	2,4-Dichlorophenol	730	U
120-82-1	1,2,4-Trichlorobenzene	730	U
91-20-3	Naphthalene	730	U
106-47-8	4-Chloroaniline	730	U
87-68-3	Hexachlorobutadiene	730	U
59-50-7	4-Chloro-3-Methylphenol	730	U
91-57-6	2-Methylnaphthalene	730	U
77-47-4	Hexachlorocyclopentadiene	730	U
88-06-2	2,4,6-Trichlorophenol	730	U
95-95-4	2,4,5-Trichlorophenol	1800	U
91-58-7	2-Chloronaphthalene	730	U
88-74-4	2-Nitroaniline	1800	U
131-11-3	Dimethyl Phthalate	730	U
208-96-8	Acenaphthylene	730	U
606-20-2	2,6-Dinitrotoluene	730	U
99-09-2	3-Nitroaniline	1800	U
83-32-9	Acenaphthene	730	U

857

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

ETD11

Lab Name: DATA CHEM LABS Contract: 68-D1-0080

Lab Code: DATA C Case No.: 19810 SAS No.: _____ SDG No.: ETD01

Matrix: (soil/water) SOIL Lab Sample ID: CLP13052

Sample wt/vol: 30.0 (g/mL) G Lab File ID: DZ19CLP052

Level: (low/med) LOW Date Received: 04/21/93

% Moisture: 55 decanted: (Y/N) N Date Extracted: 05/01/93

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 05/18/93

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

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

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/KG</u>	Q
51-28-5	2,4-Dinitrophenol	1800	U
100-02-7	4-Nitrophenol	1800	U
132-64-9	Dibenzofuran	730	U
121-14-2	2,4-Dinitrotoluene	730	U
84-66-2	Diethylphthalate	730	U
7005-72-3	4-Chlorophenyl-phenylether	730	U
86-73-7	Fluorene	730	U
100-01-6	4-Nitroaniline	1800	U
534-52-1	4,6-Dinitro-2-Methylphenol	1800	U
86-30-6	N-Nitrosodiphenylamine (1)	730	U
101-55-3	4-Bromophenyl-phenylether	730	U
118-74-1	Hexachlorobenzene	730	U
87-86-5	Pentachlorophenol	1800	U
85-01-8	Phenanthrene	73	J-
120-12-7	Anthracene	730	U
86-74-8	Carbazole	730	U
84-74-2	Di-n-Butylphthalate	180	J-
206-44-0	Fluoranthene	170	J-
129-00-0	Pyrene	100	J-
85-68-7	Butylbenzylphthalate	730	U
91-94-1	3,3'-Dichlorobenzidine	730	U
56-55-3	Benzo(a)Anthracene	100	J-
218-01-9	Chrysene	84	J-
117-81-7	bis(2-Ethylhexyl) Phthalate	130	J-
117-84-0	Di-n-Octyl Phthalate	730	U
205-99-2	Benzo(b) Fluoranthene	730	U
207-08-9	Benzo(k) Fluoranthene	730	U
50-32-8	Benzo(a) Pyrene	730	U
193-39-5	Indeno(1,2,3-cd) Pyrene	730	U
53-70-3	Dibenzo(a,h) Anthracene	730	U
191-24-2	Benzo(g,h,i) Perylene	730	U

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SA-5D-11
ETD11

Lab Name: DATA CHEM LABS Contract: 68-D1-0080
 Lab Code: DATA C Case No.: 19810 SAS No.: _____ SDG No.: ETD01
 Matrix: (soil/water) SOIL Lab Sample ID: CLP13052
 Sample wt/vol: 30.0 (g/mL) G Lab File ID: DZ19CLP052
 Level: (low/med) LOW Date Received: 04/21/93
 % Moisture: 55 decanted: (Y/N) N Date Extracted: 05/01/93
 Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 05/18/93
 Injection Volume: 2.0 (uL) Dilution Factor: 1.0
 GPC Cleanup: (Y/N) Y pH: 7.2

Number TICs found: 28

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	ALDOL CONDENSATION PRODUCT	9.13	610	AJ
2.	ALDOL CONDENSATION PRODUCT	9.45	840	AJ
3.	ALDOL CONDENSATION PRODUCT	9.83	1300	AJ
4.	ALDOL CONDENSATION PRODUCT	10.05	520	ABJU
5.	ALDOL CONDENSATION PRODUCT	10.78	1500	AJ
6.	ALDOL CONDENSATION PRODUCT	11.12	410	AJ
7.	ALDOL CONDENSATION PRODUCT	11.23	590	AJ
8.	ALDOL CONDENSATION PRODUCT	12.00	730	AJ
9.	UNKNOWN LONG CHAIN HYDROCARB	24.48	330	J
10.	UNKNOWN LONG CHAIN HYDROCARB	25.82	430	J
11.	ALKANE @ C23	27.88	150	J
12.	ALKANE @ C25	29.63	480	J
13.	ALKANE @ C27	31.63	450	J
14.	UNKNOWN LONG CHAIN HYDROCARB	33.42	160	J
15.	UNKNOWN LONG CHAIN HYDROCARB	33.52	860	J
16.	UNKNOWN POLYCYCLIC HYDROCARB	34.22	250	J
17.	ALKANE @ C29	34.37	1500	J
18.	UNKNOWN OXYHYDROCARBON	34.75	320	J
19.	UNKNOWN LONG CHAIN HYDROCARB	34.90	220	J
20.	UNKNOWN MIXED HYDROCARBONS	35.47	280	J
21.	UNKNOWN LONG CHAIN HYDROCARB	37.12	190	J
22.	UNKNOWN HYDROCARBON	37.38	160	J
23.	UNKNOWN LONG CHAIN HYDROCARB	37.85	220	J
24.	ALKANE @ C31	38.28	1400	J
25.	UNKNOWN HYDROCARBON	38.93	310	J
26.	UNKNOWN POLYCYCLIC HYDROCARB	39.42	440	J
27.	UNKNOWN LONG CHAIN HYDROCARB	39.88	400	J
28.	UNKNOWN CYCLIC HYDROCARBON	41.62	460	J

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

ETD12

Lab Name: DATA CHEM LABS Contract: 68-D1-0080

Lab Code: DATA C Case No.: 19810 SAS No.: _____ SDG No.: ETD01

Matrix: (soil/water) SOIL Lab Sample ID: CLP13053

Sample wt/vol: 30.0 (g/mL) G Lab File ID: DZ10CLP053

Level: (low/med) LOW Date Received: 04/21/93

% Moisture: 81 decanted: (Y/N) N Date Extracted: 05/01/93

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 05/18/93

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 6.8

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

CAS NO.	COMPOUND	CONCENTRATION UNITS	Q
108-95-2	Phenol	1700	U
111-44-4	bis(2-Chloroethyl) Ether	1700	U
95-57-8	2-Chlorophenol	1700	U
541-73-1	1,3-Dichlorobenzene	1700	U
106-46-7	1,4-Dichlorobenzene	1700	U
95-50-1	1,2-Dichlorobenzene	1700	U
95-48-7	2-Methylphenol	1700	U
108-60-1	2,2'-oxybis(1-Chloropropane)	1700	U
106-44-5	4-Methylphenol	1700	U
621-64-7	N-Nitroso-Di-n-Propylamine	1700	U
67-72-1	Hexachloroethane	1700	U
98-95-3	Nitrobenzene	1700	U
78-59-1	Isophorone	1700	U
88-75-5	2-Nitrophenol	1700	U
105-67-9	2,4-Dimethylphenol	1700	U
111-91-1	bis(2-Chloroethoxy) Methane	1700	U
120-83-2	2,4-Dichlorophenol	1700	U
120-82-1	1,2,4-Trichlorobenzene	1700	U
91-20-3	Naphthalene	1700	U
106-47-8	4-Chloroaniline	1700	U
87-68-3	Hexachlorobutadiene	1700	U
59-50-7	4-Chloro-3-Methylphenol	1700	U
91-57-6	2-Methylnaphthalene	1700	U
77-47-4	Hexachlorocyclopentadiene	1700	U
88-06-2	2,4,6-Trichlorophenol	1700	U
95-95-4	2,4,6-Trichlorophenol	4200	U
91-58-7	2-Chloronaphthalene	1700	U
88-74-4	2-Nitroaniline	4200	U
131-11-3	Dimethyl Phthalate	1700	U
208-96-8	Acenaphthylene	1700	U
606-20-2	2,6-Dinitrotoluene	1700	U
99-09-2	3-Nitroaniline	4200	U
83-32-9	Acenaphthene	1700	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SA 50-12
ETD12

Lab Name: DATA CHEM LABS Contract: 68-D1-0080
 Lab Code: DATA C Case No.: 19810 SAS No.: _____ SDG No.: ETD01
 Matrix: (soil/water) SOIL Lab Sample ID: CLP13053
 Sample wt/vol: 30.0 (g/mL) G Lab File ID: DZ10CLP053
 Level: (low/med) LOW Date Received: 04/21/93
 % Moisture: 81 decanted: (Y/N) N Date Extracted: 05/01/93
 Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 05/18/93
 Injection Volume: 2.0 (uL) Dilution Factor: 1.0
 GPC Cleanup: (Y/N) Y pH: 6.8

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

51-28-5-----2,4-Dinitrophenol	4200	U
100-02-7-----4-Nitrophenol	4200	U
132-64-9-----Dibenzofuran	1700	U
121-14-2-----2,4-Dinitrotoluene	1700	U
84-66-2-----Diethylphthalate	1700	U
7005-72-3-----4-Chlorophenyl-phenylether	1700	U
86-73-7-----Fluorene	1700	U
100-01-6-----4-Nitroaniline	4200	U
534-52-1-----4,6-Dinitro-2-Methylphenol	4200	U
86-30-6-----N-Nitrosodiphenylamine (1)	1700	U
101-55-3-----4-Bromophenyl-phenylether	1700	U
118-74-1-----Hexachlorobenzene	1700	U
87-86-5-----Pentachlorophenol	4200	U
85-01-8-----Phenanthrene	1700	U
120-12-7-----Anthracene	1700	U
86-74-8-----Carbazole	1700	U
84-74-2-----Di-n-Butylphthalate	230	J-
206-44-0-----Fluoranthene	1700	U
129-00-0-----Pyrene	1700	U
85-68-7-----Butylbenzylphthalate	1700	U
91-94-1-----3,3'-Dichlorobenzidine	1700	U
56-55-3-----Benzo(a)Anthracene	1700	U
218-01-9-----Chrysene	1700	U
117-81-7-----bis(2-Ethylhexyl) Phthalate	1700	U
117-84-0-----Di-n-Octyl Phthalate	1700	U
205-99-2-----Benzo(b) Fluoranthene	1700	U
207-08-9-----Benzo(k) Fluoranthene	1700	U
50-32-8-----Benzo(a) Pyrene	1700	U
193-39-5-----Indeno(1,2,3-cd) Pyrene	1700	U
53-70-3-----Dibenz(a,h) Anthracene	1700	U
191-24-2-----Benzo(g,h,i) Perylene	1700	U

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

ETD12

Lab Name: DATA CHEM LABS Contract: 68-D1-0080

Lab Code: DATA C Case No.: 19810 SAS No.: _____ SDG No.: ETD01

Matrix: (soil/water) SOIL Lab Sample ID: CLP13053

Sample wt/vol: 30.0 (g/mL) G Lab File ID: DZ10CLP053

Level: (low/med) LOW Date Received: 04/21/93

% Moisture: 81 decanted: (Y/N) N Date Extracted: 05/01/93

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 05/18/93

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 6.8

Number TICs found: 17

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	ALDOL CONDENSATION PRODUCT	9.02	390	AJ
2.	ALDOL CONDENSATION PRODUCT	9.17	820	AJ
3.	ALDOL CONDENSATION PRODUCT	9.48	740	AJ
4.	ALDOL CONDENSATION PRODUCT	9.87	4900	AJ
5.	ALDOL CONDENSATION PRODUCT	10.07	580	ABJU
6.	ALDOL CONDENSATION PRODUCT	11.25	590	AJ
7.	ALDOL CONDENSATION PRODUCT	12.05	700	AJ
8.	ALKANE @ C21	26.97	380	J
9.	UNKNOWN ALDEHYDE	27.27	2600	J
10.	ALKANE @ C23	27.90	670	J
11.	UNKNOWN ALDEHYDE	29.12	1000	J
12.	ALKANE @ C25	29.63	880	J
13.	ALKANE @ C27	31.63	1300	J
14.	UNKNOWN LONG CHAIN HYDROCARB	33.52	400	J
15.	ALKANE @ C29	34.37	3600	J
16.	ALKANE @ C31	38.27	1100	J
17.	UNKNOWN CYCLIC HYDROCARBON	39.38	440	J

SPC
6/17

5A-GW-01

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

ETD17

Lab Name: DATA CHEM LABS Contract: 68-D1-0080

Lab Code: DATA C Case No.: 19810 SAS No.: _____ SDG No.: ETD01

Matrix: (soil/water) WATER Lab Sample ID: CLP13060

Sample wt/vol: 1000 (g/mL) ML Lab File ID: DE7CLP060

Level: (low/med) LOW Date Received: 04/22/93

% Moisture: _____ decanted: (Y/N) _____ Date Extracted: 04/27/93

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 04/30/93

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

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

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

CAS NO. COMPOUND Q

108-95-2	Phenol	10	U
111-44-4	bis(2-Chloroethyl) Ether	10	U
95-57-8	2-Chlorophenol	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
95-48-7	2-Methylphenol	10	U
108-60-1	2,2'-oxybis(1-Chloropropane)	10	U
106-44-5	4-Methylphenol	10	U
621-64-7	N-Nitroso-Di-n-Propylamine	10	U
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
111-91-1	bis(2-Chloroethoxy)Methane	10	U
120-83-2	2,4-Dichlorophenol	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
59-50-7	4-Chloro-3-Methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	25	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	25	U
131-11-3	Dimethyl Phthalate	10	U
208-96-8	Acenaphthylene	10	U
606-20-2	2,6-Dinitrotoluene	10	U
99-09-2	3-Nitroaniline	25	U
83-32-9	Acenaphthene	10	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

ETD17

Lab Name: DATA CHEM LABS Contract: 68-D1-0080

Lab Code: DATA C Case No.: 19810 SAS No.: _____ SDG No.: ETD01

Matrix: (soil/water) WATER Lab Sample ID: CLP13060

Sample wt/vol: 1000 (g/mL) ML Lab File ID: DE7CLP060

Level: (low/med) LOW Date Received: 04/22/93

% Moisture: _____ decanted: (Y/N) _____ Date Extracted: 04/27/93

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 04/30/93

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

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

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
51-28-5	2,4-Dinitrophenol	25	U
100-02-7	4-Nitrophenol	25	U
132-64-9	Dibenzofuran	10	U
121-14-2	2,4-Dinitrotoluene	10	U
84-66-2	Diethylphthalate	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
86-73-7	Fluorene	10	U
100-01-6	4-Nitroaniline	25	U
534-52-1	4,6-Dinitro-2-Methylphenol	25	U
86-30-6	N-Nitrosodiphenylamine (1)	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
87-86-5	Pentachlorophenol	25	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
86-74-8	Carbazole	10	U
84-74-2	Di-n-Butylphthalate	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butylbenzylphthalate	10	U
91-94-1	3,3'-Dichlorobenzidine	10	U
56-55-3	Benzo(a)Anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	bis(2-Ethylhexyl) Phthalate	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	Dibenz(a,h) Anthracene	10	U
191-24-2	Benzo(g,h,i) Perylene	10	U

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SA-GW-01
ETD17

Lab Name: DATA CHEM LABS Contract: 68-D1-0080
 Lab Code: DATA C Case No.: 19810 SAS No.: _____ SDG No.: ETD01
 Matrix: (soil/water) WATER Lab Sample ID: CLP13060
 Sample wt/vol: 1000 (g/mL) ML Lab File ID: DE7CLP060
 Level: (low/med) LOW Date Received: 04/22/93
 % Moisture: _____ decanted: (Y/N) _____ Date Extracted: 04/27/93
 Concentrated Extract Volume: 1000 (uL) Date Analyzed: 04/30/93
 Injection Volume: 2.0 (uL) Dilution Factor: 1.0
 GPC Cleanup: (Y/N) N pH: 7.0

Number TICs found: 0

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

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

54-6W-02

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

ETD18

Lab Name: DATA CHEM LABS Contract: 68-D1-0080

Lab Code: DATA C Case No.: 19810 SAS No.: _____ SDG No.: ETD01

Matrix: (soil/water) WATER Lab Sample ID: CLP13061

Sample wt/vol: 1000 (g/mL) ML Lab File ID: DE8CLP061

Level: (low/med) LOW Date Received: 04/22/93

% Moisture: _____ decanted: (Y/N) _____ Date Extracted: 04/27/93

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 04/30/93

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

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

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

CAS NO. COMPOUND Q

108-95-2	Phenol	10	U
111-44-4	bis(2-Chloroethyl) Ether	10	U
95-57-8	2-Chlorophenol	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
95-48-7	2-Methylphenol	10	U
108-60-1	2,2'-oxybis(1-Chloropropane)	10	U
106-44-5	4-Methylphenol	10	U
621-64-7	N-Nitroso-Di-n-Propylamine	10	U
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
111-91-1	bis(2-Chloroethoxy)Methane	10	U
120-83-2	2,4-Dichlorophenol	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
59-50-7	4-Chloro-3-Methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	25	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	25	U
131-11-3	Dimethyl Phthalate	10	U
208-96-8	Acenaphthylene	10	U
606-20-2	2,6-Dinitrotoluene	10	U
99-09-2	3-Nitroaniline	25	U
83-32-9	Acenaphthene	10	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

3A-5W-02
ETD18

Lab Name: DATA CHEM LABS Contract: 68-D1-0080
 Lab Code: DATA C Case No.: 19810 SAS No.: _____ SDG No.: ETD01
 Matrix: (soil/water) WATER Lab Sample ID: CLP13061
 Sample wt/vol: 1000 (g/mL) ML Lab File ID: DE8CLP061
 Level: (low/med) LOW Date Received: 04/22/93
 % Moisture: _____ decanted: (Y/N) _____ Date Extracted: 04/27/93
 Concentrated Extract Volume: 1000 (uL) Date Analyzed: 04/30/93
 Injection Volume: 2.0 (uL) Dilution Factor: 1.0
 GPC Cleanup: (Y/N) N pH: 7.0

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
51-28-5	2,4-Dinitrophenol	25	U
100-02-7	4-Nitrophenol	25	U
132-64-9	Dibenzofuran	10	U
121-14-2	2,4-Dinitrotoluene	10	U
84-66-2	Diethylphthalate	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
86-73-7	Fluorene	10	U
100-01-6	4-Nitroaniline	25	U
534-52-1	4,6-Dinitro-2-Methylphenol	25	U
86-30-6	N-Nitrosodiphenylamine (1)	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
87-86-5	Pentachlorophenol	25	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
86-74-8	Carbazole	10	U
84-74-2	Di-n-Butylphthalate	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butylbenzylphthalate	10	U
91-94-1	3,3'-Dichlorobenzidine	10	U
56-55-3	Benzo(a)Anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	bis(2-Ethylhexyl) Phthalate	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	Dibenz(a,h)Anthracene	10	U
191-24-2	Benzo(g,h,i) Perylene	10	U

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

ETD18

Lab Name: DATA CHEM LABS Contract: 68-D1-0080

Lab Code: DATA C Case No.: 19310 SAS No.: _____ SDG No.: ETD01

Matrix: (soil/water) WATER Lab Sample ID: CLP13061

Sample wt/vol: 1000 (g/mL) ML Lab File ID: DE8CLP061

Level: (low/med) LOW Date Received: 04/22/93

% Moisture: _____ decanted: (Y/N) _____ Date Extracted: 04/27/93

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 04/30/93

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

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

Number TICs found: 1

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN CHLORINATED COMPOUND	9.62	2	J

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

ETD19

Lab Name: DATA CHEM LABS Contract: 68-D1-0080
 Lab Code: DATA C Case No.: 19810 SAS No.: _____ SDG No.: ETD01
 Matrix: (soil/water) WATER Lab Sample ID: CLP13062
 Sample wt/vol: 1000 (g/mL) ML Lab File ID: DE9CLP062
 Level: (low/med) LOW Date Received: 04/22/93
 % Moisture: _____ decanted: (Y/N) _____ Date Extracted: 04/27/93
 Concentrated Extract Volume: 1000 (uL) Date Analyzed: 04/30/93
 Injection Volume: 2.0 (uL) Dilution Factor: 1.0
 GPC Cleanup: (Y/N) N pH: 7.0

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
95-50-1	1,2-Dichlorobenzene	10	U
95-48-7	2-Methylphenol	10	U
108-60-1	2,2'-oxybis(1-Chloropropane)	10	U
106-44-5	4-Methylphenol	10	U
621-64-7	N-Nitroso-Di-n-Propylamine	10	U
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
111-91-1	bis(2-Chloroethoxy) Methane	10	U
120-83-2	2,4-Dichlorophenol	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
59-50-7	4-Chloro-3-Methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	25	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	25	U
131-11-3	Dimethyl Phthalate	10	U
208-96-8	Acenaphthylene	10	U
606-20-2	2,6-Dinitrotoluene	10	U
99-09-2	3-Nitroaniline	25	U
83-32-9	Acenaphthene	10	U

984

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

ETD19

Lab Name: DATA CHEM LABS Contract: 68-D1-0080
 Lab Code: DATA C Case No.: 19810 SAS No.: _____ SDG No.: ETD01
 Matrix: (soil/water) WATER Lab Sample ID: CLP13062
 Sample wt/vol: 1000 (g/mL) ML Lab File ID: DE9CLP062
 Level: (low/med) LOW Date Received: 04/22/93
 % Moisture: _____ decanted: (Y/N) _____ Date Extracted: 04/27/93
 Concentrated Extract Volume: 1000 (uL) Date Analyzed: 04/30/93
 Injection Volume: 2.0 (uL) Dilution Factor: 1.0
 GPC Cleanup: (Y/N) N pH: 7.0

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

51-28-5	2,4-Dinitrophenol	25	U
100-02-7	4-Nitrophenol	25	U
132-64-9	Dibenzofuran	10	U
121-14-2	2,4-Dinitrotoluene	10	U
84-66-2	Diethylphthalate	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
86-73-7	Fluorene	10	U
100-01-6	4-Nitroaniline	25	U
534-52-1	4,6-Dinitro-2-Methylphenol	25	U
86-30-6	N-Nitrosodiphenylamine (1)	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
87-86-5	Pentachlorophenol	25	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
86-74-8	Carbazole	10	U
84-74-2	Di-n-Butylphthalate	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butylbenzylphthalate	10	U
91-94-1	3,3'-Dichlorobenzidine	10	U
56-55-3	Benzo(a)Anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	bis(2-Ethylhexyl) Phthalate	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	Dibenz(a,h) Anthracene	10	U
191-24-2	Benzo(g,h,i) Perylene	10	U

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

5A-6W-03
ETD19

Lab Name: DATA CHEM LABS Contract: 68-D1-0080
 Lab Code: DATA C Case No.: 19810 SAS No.: _____ SDG No.: ETD01
 Matrix: (soil/water) WATER Lab Sample ID: CLP13062
 Sample wt/vol: 1000 (g/mL) ML Lab File ID: DE9CLP062
 Level: (low/med) LOW Date Received: 04/22/93
 % Moisture: _____ decanted: (Y/N) _____ Date Extracted: 04/27/93
 Concentrated Extract Volume: 1000 (uL) Date Analyzed: 04/30/93
 Injection Volume: 2.0 (uL) Dilution Factor: 1.0
 GPC Cleanup: (Y/N) N pH: 7.0

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.

ETD20

Lab Name: DATA CHEM LABS Contract: 68-D1-0080
 Lab Code: DATA C Case No.: 19810 SAS No.: _____ SDG No.: ETD01
 Matrix: (soil/water) WATER Lab Sample ID: CLP13063
 Sample wt/vol: 1000 (g/mL) ML Lab File ID: DE10CLP063
 Level: (low/med) LOW Date Received: 04/22/93
 % Moisture: _____ decanted: (Y/N) _____ Date Extracted: 04/27/93
 Concentrated Extract Volume: 1000 (uL) Date Analyzed: 04/30/93
 Injection Volume: 2.0 (uL) Dilution Factor: 1.0
 GPC Cleanup: (Y/N) N pH: 7.0

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
95-50-1	1,2-Dichlorobenzene	10	U
95-48-7	2-Methylphenol	10	U
108-60-1	2,2'-oxybis(1-Chloropropane)	10	U
106-44-5	4-Methylphenol	10	U
621-64-7	N-Nitroso-Di-n-Propylamine	10	U
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
111-91-1	bis(2-Chloroethoxy) Methane	10	U
120-83-2	2,4-Dichlorophenol	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
59-50-7	4-Chloro-3-Methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	25	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	25	U
131-11-3	Dimethyl Phthalate	10	U
208-96-8	Acenaphthylene	10	U
606-20-2	2,6-Dinitrotoluene	10	U
99-09-2	3-Nitroaniline	25	U
83-32-9	Acenaphthene	10	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

3A-6w04
ETD20

Lab Name: DATA CHEM LABS Contract: 68-D1-0080
 Lab Code: DATA C Case No.: 19810 SAS No.: _____ SDG No.: ETD01
 Matrix: (soil/water) WATER Lab Sample ID: CLP13063
 Sample wt/vol: 1000 (g/mL) ML Lab File ID: DE10CLP063
 Level: (low/med) LOW Date Received: 04/22/93
 % Moisture: _____ decanted: (Y/N) _____ Date Extracted: 04/27/93
 Concentrated Extract Volume: 1000 (uL) Date Analyzed: 04/30/93
 Injection Volume: 2.0 (uL) Dilution Factor: 1.0
 GPC Cleanup: (Y/N) N pH: 7.0

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
51-28-5	2,4-Dinitrophenol	25	U
100-02-7	4-Nitrophenol	25	U
132-64-9	Dibenzofuran	10	U
121-14-2	2,4-Dinitrotoluene	10	U
84-66-2	Diethylphthalate	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
86-73-7	Fluorene	10	U
100-01-6	4-Nitroaniline	25	U
534-52-1	4,6-Dinitro-2-Methylphenol	25	U
86-30-6	N-Nitrosodiphenylamine (1)	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
87-86-5	Pentachlorophenol	25	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
86-74-8	Carbazole	10	U
84-74-2	Di-n-Butylphthalate	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butylbenzylphthalate	10	U
91-94-1	3,3'-Dichlorobenzidine	10	U
56-55-3	Benzo(a)Anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	bis(2-Ethylhexyl) Phthalate	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	Dibenz(a,h) Anthracene	10	U
191-24-2	Benzo(g,h,i) Perylene	10	U

1000

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

ETD20

Lab Name: DATA CHEM LABS Contract: 68-D1-0080

Lab Code: DATA C Case No.: 19810 SAS No.: _____ SDG No.: ETD01

Matrix: (soil/water) WATER Lab Sample ID: CLP13063

Sample wt/vol: 1000 (g/mL) ML Lab File ID: DE10CLP063

Level: (low/med) LOW Date Received: 04/22/93

% Moisture: _____ decanted: (Y/N) _____ Date Extracted: 04/27/93

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 04/30/93

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

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

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.

ETD21

Lab Name: DATA CHEM LABS Contract: 68-D1-0080
 Lab Code: DATA C Case No.: 19810 SAS No.: _____ SDG No.: ETD01
 Matrix: (soil/water) WATER Lab Sample ID: CLP13064
 Sample wt/vol: 1000 (g/mL) ML Lab File ID: DE11CLP064
 Level: (low/med) LOW Date Received: 04/22/93
 % Moisture: _____ decanted: (Y/N) _____ Date Extracted: 04/27/93
 Concentrated Extract Volume: 1000 (uL) Date Analyzed: 04/30/93
 Injection Volume: 2.0 (uL) Dilution Factor: 1.0
 GPC Cleanup: (Y/N) N pH: 7.0

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
95-50-1	1,2-Dichlorobenzene	10	U
95-48-7	2-Methylphenol	10	U
108-60-1	2,2'-oxybis(1-Chloropropane)	10	U
106-44-5	4-Methylphenol	10	U
621-64-7	N-Nitroso-Di-n-Propylamine	10	U
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
111-91-1	bis(2-Chloroethoxy)Methane	10	U
120-83-2	2,4-Dichlorophenol	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
59-50-7	4-Chloro-3-Methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	25	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	25	U
131-11-3	Dimethyl Phthalate	10	U
208-96-8	Acenaphthylene	10	U
606-20-2	2,6-Dinitrotoluene	10	U
99-09-2	3-Nitroaniline	25	U
83-32-9	Acenaphthene	10	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

ETD21

Lab Name: DATA CHEM LABS Contract: 68-D1-0080
 Lab Code: DATA C Case No.: 19810 SAS No.: _____ SDG No.: ETD01
 Matrix: (soil/water) WATER Lab Sample ID: CLP13064
 Sample wt/vol: 1000 (g/mL) ML Lab File ID: DE11CLP064
 Level: (low/med) LOW Date Received: 04/22/93
 % Moisture: _____ decanted: (Y/N) _____ Date Extracted: 04/27/93
 Concentrated Extract Volume: 1000 (uL) Date Analyzed: 04/30/93
 Injection Volume: 2.0 (uL) Dilution Factor: 1.0
 GPC Cleanup: (Y/N) N pH: 7.0

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

51-28-5	2,4-Dinitrophenol	25	U
100-02-7	4-Nitrophenol	25	U
132-64-9	Dibenzofuran	10	U
121-14-2	2,4-Dinitrotoluene	10	U
84-66-2	Diethylphthalate	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
86-73-7	Fluorene	10	U
100-01-6	4-Nitroaniline	25	U
534-52-1	4,6-Dinitro-2-Methylphenol	25	U
86-30-6	N-Nitrosodiphenylamine (1)	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
87-86-5	Pentachlorophenol	25	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
86-74-8	Carbazole	10	U
84-74-2	Di-n-Butylphthalate	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butylbenzylphthalate	10	U
91-94-1	3,3'-Dichlorobenzidine	10	U
56-55-3	Benzo(a)Anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	bis(2-Ethylhexyl)Phthalate	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	Dibenz(a,h)Anthracene	10	U
191-24-2	Benzo(g,h,i)Perylene	10	U

1015

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SA-64-05
ETD21

Lab Name: DATA CHEM LABS Contract: 68-D1-0080
 Lab Code: DATA C Case No.: 19810 SAS No.: _____ SDG No.: ETD01
 Matrix: (soil/water) WATER Lab Sample ID: CLP13064
 Sample wt/vol: 1000 (g/mL) ML Lab File ID: DE11CLP064
 Level: (low/med) LOW Date Received: 04/22/93
 % Moisture: _____ decanted: (Y/N) _____ Date Extracted: 04/27/93
 Concentrated Extract Volume: 1000 (uL) Date Analyzed: 04/30/93
 Injection Volume: 2.0 (uL) Dilution Factor: 1.0
 GPC Cleanup: (Y/N) N pH: 7.0

Number TICs found: 1

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN CHLORINATED COMPOUND	9.62	4	J

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

ETD22

Lab Name: DATA CHEM LABS Contract: 68-D1-0080
 Lab Code: DATA C Case No.: 19810 SAS No.: _____ SDG No.: ETD01
 Matrix: (soil/water) WATER Lab Sample ID: CLP13065
 Sample wt/vol: 1000 (g/mL) ML Lab File ID: DE14CLP65
 Level: (low/med) LOW Date Received: 04/22/93
 % Moisture: _____ decanted: (Y/N) _____ Date Extracted: 04/27/93
 Concentrated Extract Volume: 1000 (uL) Date Analyzed: 04/30/93
 Injection Volume: 2.0 (uL) Dilution Factor: _____ 1.0
 GPC Cleanup: (Y/N) N pH: 7.0

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

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

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SA-6J-06
ETD22

Lab Name: DATA CHEM LABS Contract: 68-D1-0080
 Lab Code: DATA C Case No.: 19810 SAS No.: _____ SDG No.: ETD01
 Matrix: (soil/water) WATER Lab Sample ID: CLP13065
 Sample wt/vol: 1000 (g/mL) ML Lab File ID: DE14CLP65
 Level: (low/med) LOW Date Received: 04/22/93
 % Moisture: _____ decanted: (Y/N) _____ Date Extracted: 04/27/93
 Concentrated Extract Volume: 1000 (uL) Date Analyzed: 04/30/93
 Injection Volume: 2.0 (uL) Dilution Factor: 1.0
 GPC Cleanup: (Y/N) N pH: 7.0

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

51-28-5-----	2,4-Dinitrophenol	25	U
100-02-7-----	4-Nitrophenol	25	U
132-64-9-----	Dibenzofuran	10	U
121-14-2-----	2,4-Dinitrotoluene	10	U
84-66-2-----	Diethylphthalate	10	U
7005-72-3-----	4-Chlorophenyl-phenylether	10	U
86-73-7-----	Fluorene	10	U
100-01-6-----	4-Nitroaniline	25	U
534-52-1-----	4,6-Dinitro-2-Methylphenol	25	U
86-30-6-----	N-Nitrosodiphenylamine (1)	10	U
101-55-3-----	4-Bromophenyl-phenylether	10	U
118-74-1-----	Hexachlorobenzene	10	U
87-86-5-----	Pentachlorophenol	25	U
85-01-8-----	Phenanthrene	10	U
120-12-7-----	Anthracene	10	U
86-74-8-----	Carbazole	10	U
84-74-2-----	Di-n-Butylphthalate	10	U
206-44-0-----	Fluoranthene	10	U
129-00-0-----	Pyrene	10	U
85-68-7-----	Butylbenzylphthalate	10	U
91-94-1-----	3,3'-Dichlorobenzidine	10	U
56-55-3-----	Benzo(a)Anthracene	10	U
218-01-9-----	Chrysene	10	U
117-81-7-----	bis(2-Ethylhexyl) Phthalate	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-----	Dibenz(a,h) Anthracene	10	U
191-24-2-----	Benzo(g,h,i) Perylene	10	U

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

ETD22

Lab Name: DATA CHEM LABS Contract: 68-D1-0080

Lab Code: DATA C Case No.: 19810 SAS No.: _____ SDG No.: ETD01

Matrix: (soil/water) WATER Lab Sample ID: CLP13065

Sample wt/vol: 1000 (g/mL) ML Lab File ID: DE14CLP65

Level: (low/med) LOW Date Received: 04/22/93

% Moisture: _____ decanted: (Y/N) _____ Date Extracted: 04/27/93

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 04/30/93

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

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

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.

ETD23

Lab Name: DATA CHEM LABS Contract: 68-D1-0080
 Lab Code: DATA C Case No.: 19810 SAS No.: _____ SDG No.: ETD01
 Matrix: (soil/water) WATER Lab Sample ID: CLP13066
 Sample wt/vol: 1000 (g/mL) ML Lab File ID: DH6CLP66
 Level: (low/med) LOW Date Received: 04/22/93
 % Moisture: _____ decanted: (Y/N) _____ Date Extracted: 04/27/93
 Concentrated Extract Volume: 1000 (uL) Date Analyzed: 05/03/93
 Injection Volume: 2.0 (uL) Dilution Factor: 1.0
 GPC Cleanup: (Y/N) N pH: 6.0

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
95-50-1	1,2-Dichlorobenzene	10	U
95-48-7	2-Methylphenol	10	U
108-60-1	2,2'-oxybis(1-Chloropropane)	10	U
106-44-5	4-Methylphenol	10	U
621-64-7	N-Nitroso-Di-n-Propylamine	10	U
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
111-91-1	bis(2-Chloroethoxy)Methane	10	U
120-83-2	2,4-Dichlorophenol	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
59-50-7	4-Chloro-3-Methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	25	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	25	U
131-11-3	Dimethyl Phthalate	10	U
208-96-8	Acenaphthylene	10	U
606-20-2	2,6-Dinitrotoluene	10	U
99-09-2	3-Nitroaniline	25	U
83-32-9	Acenaphthene	10	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

ETD23

Lab Name: DATA CHEM LABS Contract: 68-D1-0080

Lab Code: DATA C Case No.: 19810 SAS No.: _____ SDG No.: ETD01

Matrix: (soil/water) WATER Lab Sample ID: CLP13066

Sample wt/vol: 1000 (g/mL) ML Lab File ID: DH6CLP66

Level: (low/med) LOW Date Received: 04/22/93

% Moisture: _____ decanted: (Y/N) _____ Date Extracted: 04/27/93

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 05/03/93

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 6.0

CAS NO.

COMPOUND

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

Q

51-28-5-----	2,4-Dinitrophenol	25	U
100-02-7-----	4-Nitrophenol	25	U
132-64-9-----	Dibenzofuran	10	U
121-14-2-----	2,4-Dinitrotoluene	10	U
84-66-2-----	Diethylphthalate	10	U
7005-72-3-----	4-Chlorophenyl-phenylether	10	U
86-73-7-----	Fluorene	10	U
100-01-6-----	4-Nitroaniline	25	U
534-52-1-----	4,6-Dinitro-2-Methylphenol	25	U
86-30-6-----	N-Nitrosodiphenylamine (1)	10	U
101-55-3-----	4-Bromophenyl-phenylether	10	U
118-74-1-----	Hexachlorobenzene	10	U
87-86-5-----	Pentachlorophenol	25	U
85-01-8-----	Phenanthrene	10	U
120-12-7-----	Anthracene	10	U
86-74-8-----	Carbazole	10	U
84-74-2-----	Di-n-Butylphthalate	10	U
206-44-0-----	Fluoranthene	10	U
129-00-0-----	Pyrene	10	U
85-68-7-----	Butylbenzylphthalate	10	U
91-94-1-----	3,3'-Dichlorobenzidine	10	U
56-55-3-----	Benzo(a)Anthracene	10	U
218-01-9-----	Chrysene	10	U
117-81-7-----	bis(2-Ethylhexyl) Phthalate	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-----	Dibenz(a,h) Anthracene	10	U
191-24-2-----	Benzo(g,h,i) Perylene	10	U

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

ETD23

Lab Name: DATA CHEM LABS Contract: 68-D1-0080
 Lab Code: DATA C Case No.: 19810 SAS No.: _____ SDG No.: ETD01
 Matrix: (soil/water) WATER Lab Sample ID: CLP13066
 Sample wt/vol: 1000 (g/mL) ML Lab File ID: PH6CLP66
 Level: (low/med) LOW Date Received: 04/22/93
 % Moisture: _____ decanted: (Y/N) _____ Date Extracted: 04/27/93
 Concentrated Extract Volume: 1000 (uL) Date Analyzed: 05/03/93
 Injection Volume: 2.0 (uL) Dilution Factor: 1.0
 GPC Cleanup: (Y/N) N pH: 6.0

Number TICs found: 0

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

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

2

2E
WATER PESTICIDE SURROGATE RECOVERY

Lab Name: DATA CHEM LABORATORIES

Contract: 68-D1-0080

Lab Code: DATA C

Case No.: 19810

SAS No.:

SDG No.: ETD01

GC Column(1): DB-608

ID: 0.53 (mm)

GC Column(2): DB-1701

ID: 0.53 (mm)

	EPA SAMPLE NO.	TCX 1 %REC #	TCX 2 %REC #	DCB 1 %REC #	DCB 2 %REC #	OTHER (1)	OTHER (2)	TOT OUT
01	ETD17	60	75	60	75			0
02	ETD18	55*	80	70	85			1
03	ETD19	55*	27*	65	29*			3
04	ETD20	60	95	42*	48*			2
05	ETD21	70	100	43*	47*			2
06	ETD21MS	60	95	60	65			0
07	ETD21MSD	65	80	49*	60			1
08	ETD22	55*	80	31*	42*			3
09	ETD23	60	75	32*	41*			2
10	PBLKW1	50*	70	50*	60			2
11								
12								
13								
14								
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17								
18								
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20								
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25								
26								
27								
28								
29								
30								

TCX = Tetrachloro-m-xylene
DCB = Decachlorobiphenyl

ADVISORY
QC LIMITS
(60-150)
(60-150)

Column to be used to flag recovery values
* Values outside of QC limits
D Surrogates diluted out

2F
SOIL PESTICIDE SURROGATE RECOVERY

Lab Name: DATA CHEM LABORATORIES

Contract: 68-D1-0080

Lab Code: DATAC

Case No.: 19810

SAS No.:

SDG No.: ETD01

GC Column(1): DB-608

ID: 0.53 (mm)

GC Column(2): DB-1701

ID: 0.53 (mm)

	EPA SAMPLE NO.	TCX 1 %REC #	TCX 2 %REC #	DCB 1 %REC #	DCB 2 %REC #	OTHER (1)	OTHER (2)	TOT OUT
01	ETD01	87	72	101	87			0
02	ETD02	88	69	96	88			0
03	ETD03	114	65	114	87			0
04	ETD04	79	75	105	86			0
05	ETD05	79	79	147	126			0
06	ETD06	81	70	118	103			0
07	ETD07	88	72	147	114			0
08	ETD08	102	69	93	85			0
09	ETD09	70	70	106	94			0
10	ETD09MS	76	76	111	106			0
11	ETD09MSD	76	76	111	106			0
12	ETD10	80	80	99	86			0
13	ETD11	88	74	115	91			0
14	ETD12	84	93	101	86			0
15	PBLK2S	83	90	98	98			0
16								
17								
18								
19								
20								
21								
22								
23								
24								
25								
26								
27								
28								
29								
30								

TCX = Tetrachloro-m-xylene
DCB = Decachlorobiphenyl

ADVISORY
QC LIMITS
(60-150)
(60-150)

Column to be used to flag recovery values
* Values outside of QC limits
D Surrogates diluted out

3F
SOIL PESTICIDE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: DATACHEM LABORATORIES Contract: 68-D1-0080
 Lab Code: DATAC Case No.: 19810 SAS No.: SDG No.: ETD01
 Matrix Spike - EPA Sample No.: ETD09

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC #	QC LIMITS REC.
gamma-BHC(Lindane)	21.	0.0	16.	76	46-127
Heptachlor	21.	0.0	18.	86	35-130
Aldrin	21.	0.0	19.	90	34-132
Dieldrin	43.	0.57	37.	85	31-134
Endrin	43.	0.0	42.	98	42-139
4,4'-DDT	43.	0.0	38.	88	23-134

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC #	% RPD #	QC LIMITS RPD	REC.
gamma-BHC(Lindane)	21.	15.	71	7	50	46-127
Heptachlor	21.	16.	76	12	31	35-130
Aldrin	21.	17.	81	11	43	34-132
Dieldrin	43.	35.	80	6	38	31-134
Endrin	43.	39.	91	7	45	42-139
4,4'-DDT	43.	36.	84	5	50	23-134

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

* Values outside of QC limits

RPD: 0 out of 6 outside limits
 Spike Recovery: 0 out of 12 outside limits

COMMENTS:

4C
PESTICIDE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PBLK2S

Lab Name: DATACHEM LABORATORIES

Contract: 68-D1-0080

Lab Code: DATAC

Case No.: 19810

SAS No.:

SDG No.: ETD01

Lab Sample ID: SF-1432--SBK2

Lab File ID:

Matrix: (soil/water) SOIL

Extraction: (SepF/Cont/Sonc) SONC

Sulfur Cleanup: (Y/N) N

Date Extracted: 5/01/93

Date Analyzed (1): 5/20/93

Date Analyzed (2): 5/20/93

Time Analyzed (1): 0107

Time Analyzed (2): 0020

Instrument ID (1): EC17-CH59

Instrument ID (2): EC4-CH50

GC Column (1): DB-608

ID: 0.53(mm)

GC Column (2): DB-1701

ID: 0.53(mm)

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

	EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED 1	DATE ANALYZED 2
01	ETD01	CLP-13042	5/20/93	5/20/93
02	ETD02	CLP-13043	5/20/93	5/20/93
03	ETD03	CLP-13044	5/20/93	5/20/93
04	ETD04	CLP-13045	5/20/93	5/20/93
05	ETD05	CLP-13046	5/20/93	5/20/93
06	ETD06	CLP-13047	5/20/93	5/20/93
07	ETD07	CLP-13048	5/20/93	5/20/93
08	ETD08	CLP-13049	5/20/93	5/20/93
09	ETD09	CLP-13050	5/20/93	5/20/93
10	ETD09MS	CLP-13050MS	5/20/93	5/20/93
11	ETD09MSD	CLP-13050MSD	5/20/93	5/20/93
12	ETD10	CLP-13051	5/20/93	5/20/93
13	ETD11	CLP-13052	5/20/93	5/20/93
14	ETD12	CLP-13053	5/20/93	5/20/93
15				
16				
17				
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25				
26				

COMMENTS:

4C
PESTICIDE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PBLKW1

Lab Name: DATA CHEM LABORATORIES

Contract: 68-D1-0080

Lab Code: DATA C

Case No.: 19810

SAS No.:

SDG No.: ETD01

Lab Sample ID: SF-1433-WBK

Lab File ID:

Matrix: (soil/water) WATER

Extraction: (SepF/Cont/Sonc) SEPF

Sulfur Cleanup: (Y/N) N

Date Extracted: 4/27/93

Date Analyzed (1): 5/19/93

Date Analyzed (2): 5/19/93

Time Analyzed (1): 1309

Time Analyzed (2): 1233

Instrument ID (1): EC17-CH59

Instrument ID (2): EC4-CH50

GC Column (1): DB-606

ID: 0.53(mm)

GC Column (2): DB-1701

ID: 0.53(mm)

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

	EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED 1	DATE ANALYZED 2
01	ETD17	CLP-13060	5/19/93	5/19/93
02	ETD18	CLP-13061	5/19/93	5/19/93
03	ETD19	CLP-13062	5/19/93	5/19/93
04	ETD20	CLP-13063	5/19/93	5/19/93
05	ETD21	CLP-13064	5/19/93	5/19/93
06	ETD21MS	CLP-13064MS	5/19/93	5/19/93
07	ETD21MSD	CLP-13064MSD	5/19/93	5/19/93
08	ETD22	CLP-13065	5/19/93	5/19/93
09	ETD23	CLP-13066	5/19/93	5/19/93
10				
11				
12				
13				
14				
15				
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22				
23				
24				
25				
26				

COMMENTS:

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PBLKW1

Lab Name: DATA CHEM LABORATORIES Contract: 68-D1-0080

Lab Code: DATA C Case No. 19810 SAS No.: SDG No.: ETD01

Matrix: (soil/water) WATER Lab Sample ID: SF-1433-WBK

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

% Moisture: decanted: (Y/N) Date Received: / /

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 4/27/93

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 5/19/93

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 5.0 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS (ug/L or ug/Kg) UG/L	Q
319-84-6	alpha-BHC	0.05	U
319-85-7	beta-BHC	0.05	U
319-86-8	delta-BHC	0.05	U
58-89-9	gamma-BHC(Lindane)	0.05	U
76-44-8	Heptachlor	0.05	U
309-00-2	Aldrin	0.05	U
1024-57-3	Heptachlor epoxide	0.05	U
959-98-8	Endosulfan I	0.05	U
60-57-1	Dieldrin	0.10	U
72-55-9	4,4'-DDE	0.10	U
72-20-8	Endrin	0.10	U
33213-65-9	Endosulfan II	0.10	U
72-54-8	4,4'-DDD	0.10	U
1031-07-8	Endosulfan sulfate	0.10	U
50-29-3	4,4'-DDT	0.10	U
72-43-5	Methoxychlor	0.50	U
53494-70-5	Endrin ketone	0.10	U
7421-36-3	Endrin aldehyde	0.10	U
5103-71-9	alpha-Chlordane	0.05	U
5103-74-2	gamma-Chlordane	0.05	U
8001-35-2	Toxaphene	5.0	U
12674-11-2	Aroclor-1016	1.0	U
11104-28-2	Aroclor-1221	2.0	U
11141-16-5	Aroclor-1232	1.0	U
53469-21-9	Aroclor-1242	1.0	U
12672-29-6	Aroclor-1248	1.0	U
11097-69-1	Aroclor-1254	1.0	U
11096-82-5	Aroclor-1260	1.0	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PBLK2S

Lab Name: DATACHEM LABORATORIES

Contract: 68-D1-0080

Lab Code: DATAC

Case No. 19810

SAS No.:

SDG No.: ETD01

Matrix: (soil/water) SOIL

Lab Sample ID: SF-1432-SBK2

Sample wt/vol: 30.0 (g/ml) G

Lab File ID:

% Moisture: 0 decanted: (Y/N) N

Date Received: / /

Extraction: (SepF/Cont/Sonc) SONC

Date Extracted: 5/01/93

Concentrated Extract Volume: 5000 (uL)

Date Analyzed: 5/20/93

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 5.0

Sulfur Cleanup: (Y/N) N

CAS NO.

COMPOUND

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

Q

319-84-6-----	alpha-BHC	1.7	U
319-85-7-----	beta-BHC	0.94	JP
319-86-8-----	delta-BHC	1.7	U
58-89-9-----	gamma-BHC(Lindane)	1.7	U
76-44-8-----	Heptachlor	1.7	U
309-00-2-----	Aldrin	1.7	U
1024-57-3-----	Heptachlor epoxide	1.7	U
959-98-8-----	Endosulfan I	0.13	JP
60-57-1-----	Dieldrin	0.43	JP
72-55-9-----	4,4'-DDE	3.3	U
72-20-8-----	Endrin	0.82	J
33213-65-9----	Endosulfan II	3.3	U
72-54-8-----	4,4'-DDD	3.3	U
1031-07-8-----	Endosulfan sulfate	3.3	U
50-29-3-----	4,4'-DDT	3.3	U
72-43-5-----	Methoxychlor	6.4	J
53494-70-5----	Endrin ketone	3.3	U
7421-36-3-----	Endrin aldehyde	3.3	U
5103-71-9-----	alpha-Chlordane	1.7	U
5103-74-2-----	gamma-Chlordane	1.7	U
8001-35-2-----	Toxaphene	170.	U
12674-11-2----	Aroclor-1016	33.	U
11104-28-2----	Aroclor-1221	67.	U
11141-16-5----	Aroclor-1232	33.	U
53469-21-9----	Aroclor-1242	33.	U
12672-29-6----	Aroclor-1248	33.	U
11097-69-1----	Aroclor-1254	33.	U
11096-82-5----	Aroclor-1260	33.	U

SA-SD-01

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

Lab Name: DATA CHEM LABORATORIES

Contract: 68-D1-0080

ETD01

Lab Code: DATA C

Case No. 19810

SAS No.:

SDG No.: ETD01

Matrix: (soil/water) SOIL

Lab Sample ID: CLP-13042

Sample wt/vol: 30.0 (g/ml) G

Lab File ID:

% Moisture: 36 decanted: (Y/N) N

Date Received: 4/21/93

Extraction: (SepF/Cont/Sonc) SONC

Date Extracted: 5/01/93

Concentrated Extract Volume: 5000 (uL)

Date Analyzed: 5/20/93

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y

pH: 7.5

Sulfur Cleanup: (Y/N) N

CAS NO. COMPOUND

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

Q

319-84-6-----	alpha-BHC	2.7	U
319-85-7-----	beta-BHC	2.7	U
319-86-8-----	delta-BHC	2.7	U
58-89-9-----	gamma-BHC (Lindane)	2.7	U
76-44-8-----	Heptachlor	2.7	U
309-00-2-----	Aldrin	0.69	JP
1024-57-3-----	Heptachlor epoxide	2.7	U
959-98-8-----	Endosulfan I	2.7	U
60-57-1-----	Dieldrin	5.2	JPBU
72-55-9-----	4,4'-DDE	5.2	U
72-20-8-----	Endrin	5.2	U
33213-65-9----	Endosulfan II	5.2	U
72-54-8-----	4,4'-DDD	5.2	U
1031-07-8-----	Endosulfan sulfate	2.8	JP
50-29-3-----	4,4'-DDT	1.1	JP
72-43-5-----	Methoxychlor	27	JPBU
53494-70-5----	Endrin ketone	1.4	JP
7421-36-3-----	Endrin aldehyde	5.2	U
5103-71-9-----	alpha-Chlordane	2.7	U
5103-74-2-----	gamma-Chlordane	2.7	U
8001-35-2-----	Toxaphene	270.	U
12674-11-2----	Aroclor-1016	52.	U
11104-28-2----	Aroclor-1221	100.	U
11141-16-5----	Aroclor-1232	52.	U
53469-21-9----	Aroclor-1242	52.	U
12672-29-6----	Aroclor-1248	52.	U
11097-69-1----	Aroclor-1254	52.	U
11096-82-5----	Aroclor-1260	52.	U

SF
6/11

57-50-02

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

ETD02

Lab Name: DATACHEM LABORATORIES Contract: 68-D1-0080

Lab Code: DATAC Case No. 19810 SAS No.: SDG No.: ETD01

Matrix: (soil/water) SOIL Lab Sample ID: CLP-13043

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

% Moisture: 49 decanted: (Y/N) N Date Received: 4/21/93

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 5/01/93

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 5/20/93

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

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

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

319-84-6	alpha-BHC	3.3	U
319-85-7	beta-BHC	3.3	U
319-86-8	delta-BHC	3.3	U
58-89-9	gamma-BHC (Lindane)	3.3	U
76-44-8	Heptachlor	3.3	U
309-00-2	Aldrin	1.5	JP
1024-57-3	Heptachlor epoxide	3.3	U
959-98-8	Endosulfan I	3.3	U
60-57-1	Dieldrin	6.5 3.1	JPBA
72-55-9	4,4'-DDE	6.5	U
72-20-8	Endrin	6.5	U
33213-65-9	Endosulfan II	2.9	JP
72-54-8	4,4'-DDD	6.5	U
1031-07-8	Endosulfan sulfate	2.2	JP
50-29-3	4,4'-DDT	3.5	JP
72-43-5	Methoxychlor	33 5.1	JB
53494-70-5	Endrin ketone	6.5	U
7421-36-3	Endrin aldehyde	6.5	U
5103-71-9	alpha-Chlordane	7.5	
5103-74-2	gamma-Chlordane	2.9	JP
8001-35-2	Toxaphene	330.	U
12674-11-2	Aroclor-1016	65.	U
11104-28-2	Aroclor-1221	130.	U
11141-16-5	Aroclor-1232	65.	U
53469-21-9	Aroclor-1242	65.	U
12672-29-6	Aroclor-1248	65.	U
11097-69-1	Aroclor-1254	65.	U
11096-82-5	Aroclor-1260	65.	U

352

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

ETD03

Lab Name: DATACHEM LABORATORIES

Contract: 68-D1-0080

Lab Code: DATAC

Case No. 19810

SAS No.:

SDG No.: ETD01

Matrix: (soil/water) SOIL

Lab Sample ID: CLP-13044

Sample wt/vol: 30.0 (g/ml) G

Lab File ID:

% Moisture: 28 decanted: (Y/N) N

Date Received: 4/21/93

Extraction: (SepF/Cont/Sonc) SONC

Date Extracted: 5/01/93

Concentrated Extract Volume: 5000 (uL)

Date Analyzed: 5/20/93

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.4

Sulfur Cleanup: (Y/N) N

CAS NO. COMPOUND

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

Q

319-84-6-----	alpha-BHC	2.4	U
319-85-7-----	beta-BHC	2.4	U
319-86-8-----	delta-BHC	2.4	U
58-89-9-----	gamma-BHC(Lindane)	2.4	U
76-44-8-----	Heptachlor	2.4	U
309-00-2-----	Aldrin	1.5	JP
1024-57-3-----	Heptachlor epoxide	2.4	U
959-98-8-----	Endosulfan I	2.4	U
60-57-1-----	Dieldrin	4.6	JPBU
72-55-9-----	4,4'-DDE	4.6	U
72-20-8-----	Endrin	4.6	U
33213-65-9-----	Endosulfan II	4.6	U
72-54-8-----	4,4'-DDD	4.6	U
1031-07-8-----	Endosulfan sulfate	4.6	U
50-29-3-----	4,4'-DDT	4.2	JP
72-43-5-----	Methoxychlor	24.	U
53494-70-5-----	Endrin ketone	3.2	JP
7421-36-3-----	Endrin aldehyde	2.8	JP
5103-71-9-----	alpha-Chlordane	2.4	U
5103-74-2-----	gamma-Chlordane	2.4	U
8001-35-2-----	Toxaphene	240.	U
12674-11-2-----	Aroclor-1016	46.	U
11104-28-2-----	Aroclor-1221	93.	U
11141-16-5-----	Aroclor-1232	46.	U
53469-21-9-----	Aroclor-1242	16.	U
12672-29-6-----	Aroclor-1248	45.	U
11097-69-1-----	Aroclor-1254	45.	U
11096-82-5-----	Aroclor-1260	45.	U

5A-0-04

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

ETD04

Lab Name: DATACHEM LABORATORIES Contract: 68-D1-0080

Lab Code: DATAC Case No. 19810 SAS No.: SDG No.: ETD01

Matrix: (soil/water) SOIL Lab Sample ID: CLP-13045

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

% Moisture: 50 decanted: (Y/N) N Date Received: 4/21/93

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 5/01/93

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 5/20/93

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.3 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	3.4	U
319-85-7	beta-BHC	3.4	U
319-86-8	delta-BHC	3.4	U
58-89-9	gamma-BHC (Lindane)	3.4	U
76-44-8	Heptachlor	3.4	U
309-00-2	Aldrin	3.4	U
1024-57-3	Heptachlor epoxide	3.4	U
959-98-8	Endosulfan I	3.4	U
60-57-1	Dieldrin	6.6	U
72-55-9	4,4'-DDE	6.6	U
72-20-8	Endrin	6.6	U
33213-65-9	Endosulfan II	6.6	U
72-54-8	4,4'-DDD	6.6	U
1031-07-8	Endosulfan sulfate	3.6	JP
50-29-3	4,4'-DDT	3.3	JP
72-43-5	Methoxychlor	34.	U
53494-70-5	Endrin ketone	0.96	JP
7421-36-3	Endrin aldehyde	6.6	U
5103-71-9	alpha-Chlordane	2.0	JP
5103-74-2	gamma-Chlordane	3.4	U
8001-35-2	Toxaphene	340.	U
12674-11-2	Aroclor-1016	66.	U
11104-28-2	Aroclor-1221	130.	U
11141-16-5	Aroclor-1232	66.	U
53469-21-9	Aroclor-1242	66.	U
12672-29-6	Aroclor-1248	66.	U
11097-69-1	Aroclor-1254	66.	U
11096-82-5	Aroclor-1260	66.	U

6.6 4.3 JPBU - SP 6/17

5A 50-05

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

Lab Name: DATA CHEM LABORATORIES

Contract: 68-D1-0080

ETD05

Lab Code: DATA C

Case No. 19810

SAS No.:

SDG No.: ETD01

Matrix: (soil/water) SOIL

Lab Sample ID: CLP-13046

Sample wt/vol: 30.0 (g/ml) G

Lab File ID:

% Moisture: 30 decanted: (Y/N) N

Date Received: 4/21/93

Extraction: (SepF/Cont/Sonc) SONC

Date Extracted: 5/01/93

Concentrated Extract Volume: 5000 (uL)

Date Analyzed: 5/20/93

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 8.9

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	2.4	U
319-85-7	beta-BHC	2.4	U
319-86-8	delta-BHC	2.4	U
58-89-9	gamma-BHC (Lindane)	2.4	U
76-44-8	Heptachlor	2.4	U
309-00-2	Aldrin	2.4	U
1024-57-3	Heptachlor epoxide	2.4	U
959-98-8	Endosulfan I	2.4	U
60-57-1	Dieldrin	4.7 1.3	JPBU - S
72-55-9	4,4'-DDE	4.7	U 6/11
72-20-8	Endrin	4.7	U
33213-65-9	Endosulfan II	0.56	JP
72-54-8	4,4'-DDD	4.7	U
1031-07-8	Endosulfan sulfate	0.13	JP
50-29-3	4,4'-DDT	4.7	U
72-43-5	Methoxychlor	2A 1.2	JPBU
53494-70-5	Endrin ketone	4.7	U
7421-36-3	Endrin aldehyde	4.7	U
5103-71-9	alpha-Chlordane	2.4	U
5103-74-2	gamma-Chlordane	2.4	U
8001-35-2	Toxaphene	240.	U
12674-11-2	Aroclor-1016	47.	U
11104-28-2	Aroclor-1221	96.	U
11141-16-5	Aroclor-1232	47.	U
53469-21-9	Aroclor-1242	47.	U
12672-29-6	Aroclor-1248	47.	U
11097-69-1	Aroclor-1254	47.	U
11096-82-5	Aroclor-1260	47.	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

Lab Name: DATA CHEM LABORATORIES

Contract: 68-D1-0080

ETD06

Lab Code: DATA C

Case No. 19810 SAS No.:

SDG No.: ETD01

Matrix: (soil/water) SOIL

Lab Sample ID: CLP-13047

Sample wt/vol: 30.0 (g/ml) G

Lab File ID:

% Moisture: 51 decanted: (Y/N) N

Date Received: 4/21/93

Extraction: (SepF/Cont/Sonc) SONC

Date Extracted: 5/01/93

Concentrated Extract Volume: 5000 (uL)

Date Analyzed: 5/20/93

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

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

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	3.5	U
319-85-7	beta-BHC	3.5	U
319-86-8	delta-BHC	3.5	U
58-89-9	gamma-BHC (Lindane)	3.5	U
76-44-8	Heptachlor	3.5	U
309-00-2	Aldrin	0.87	JP
1024-57-3	Heptachlor epoxide	3.5	U
959-98-8	Endosulfan I	3.5	U
60-57-1	Dieldrin	6.7 2.3	JPBU - SF
72-55-9	4,4'-DDE	6.7	U
72-20-8	Endrin	6.7	U
33213-65-9	Endosulfan II	6.7	U
72-54-8	4,4'-DDD	2.3	J
1031-07-8	Endosulfan sulfate	2.9	JP
50-29-3	4,4'-DDT	1.1	JP
72-43-5	Methoxychlor	35 u. 10.	JB
53494-70-5	Endrin ketone	1.9	JP
7421-36-3	Endrin aldehyde	6.7	U
5103-71-9	alpha-Chlordane	3.5	U
5103-74-2	gamma-Chlordane	0.62	JP
8001-35-2	Toxaphene	350.	U
12674-11-2	Aroclor-1016	67.	U
11104-28-2	Aroclor-1221	140.	U
11141-16-5	Aroclor-1232	67.	U
53469-21-9	Aroclor-1242	67.	U
12672-29-6	Aroclor-1248	67.	U
11097-69-1	Aroclor-1254	67.	U
11096-82-5	Aroclor-1260	67.	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

ETD07

Lab Name: DATA CHEM LABORATORIES Contract: 68-D1-0080

Lab Code: DATA C Case No. 19810 SAS No.: SDG No.: ETD01

Matrix: (soil/water) SOIL Lab Sample ID: CLP-13048

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

% Moisture: 44 decanted: (Y/N) N Date Received: 4/21/93

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 5/01/93

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 5/20/93

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	3.0	U
319-85-7	beta-BHC	3.0	U
319-86-8	delta-BHC	3.0	U
58-89-9	gamma-BHC (Lindane)	3.0	U
76-44-8	Heptachlor	3.0	U
309-00-2	Aldrin	3.0	U
1024-57-3	Heptachlor epoxide	3.0	U
959-98-8	Endosulfan I	3.0	U
60-57-1	Dieldrin	5.9 2.5	JPBU
72-55-9	4,4'-DDE	5.9	U
72-20-8	Endrin	17.	B
33213-65-9	Endosulfan II	5.9	U
72-54-8	4,4'-DDD	5.9	U
1031-07-8	Endosulfan sulfate	5.9	U
50-29-3	4,4'-DDT	5.9	U
72-43-5	Methoxychlor	30 2.1	JPBU
53494-70-5	Endrin ketone	0.85	JP
7421-36-3	Endrin aldehyde	6.5	P
5103-71-9	alpha-Chlordane	3.3	P
5103-74-2	gamma-Chlordane	0.63	JP
8001-35-2	Toxaphene	300.	U
12674-11-2	Aroclor-1016	59.	U
11104-28-2	Aroclor-1221	120.	U
11141-16-5	Aroclor-1232	59.	U
53469-21-9	Aroclor-1242	59.	U
12672-29-6	Aroclor-1248	59.	U
11097-69-1	Aroclor-1254	210.	P
11096-82-5	Aroclor-1260	59.	U

SA-35-83

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

ETD08

Lab Name: DATACHEM LABORATORIES

Contract: 68-D1-0080

Lab Code: DATAC

Case No. 19810

SAS No.:

SDG No.: ETD01

Matrix: (soil/water)SOIL

Lab Sample ID: CLP-13049

Sample wt/vol: 30.0 (g/ml)G

Lab File ID:

% Moisture: 46 decanted: (Y/N) N

Date Received: 4/21/93

Extraction: (SepF/Cont/Sonc)SONC

Date Extracted: 5/01/93

Concentrated Extract Volume: 5000 (uL)

Date Analyzed: 5/20/93

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPE Cleanup: (Y/N)Y pH: 7.6

Sulfur Cleanup: (Y/N) N

CAS NO.

COMPOUND

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

Q

319-84-6	alpha-BHC	3.1	U
319-85-7	beta-BHC	3.1	U
319-86-8	delta-BHC	3.1	U
58-89-9	gamma-BHC(Lindane)	3.1	U
76-44-8	Heptachlor	3.1	U
309-00-2	Aldrin	0.90	JP
1024-57-3	Heptachlor epoxide	3.1	U
959-98-8	Endosulfan I	3.1	U
60-57-1	Dieldrin	3.1	JPBU
72-55-9	4,4'-DDE	6.1	U
72-20-8	Endrin	6.1	U
33213-65-9	Endosulfan II	1.9	J
72-54-8	4,4'-DDD	6.1	U
1031-07-8	Endosulfan sulfate	0.80	JP
50-29-3	4,4'-DDT	6.1	U
72-43-5	Methoxychlor	3.1	JPBU
53494-70-5	Endrin ketone	6.1	U
7421-36-3	Endrin aldehyde	6.1	U
5103-71-9	alpha-Chlordane	3.1	U
5103-74-2	gamma-Chlordane	3.1	U
8001-35-2	Toxaphene	310.	U
12674-11-2	Aroclor-1016	61.	U
11104-28-2	Aroclor-1221	120.	U
11141-16-5	Aroclor-1232	61.	U
53469-21-9	Aroclor-1242	61.	U
12672-29-6	Aroclor-1248	61.	U
11097-69-1	Aroclor-1254	61.	U
11096-82-5	Aroclor-1260	61.	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

ETD09

Lab Name: DATACHEM LABORATORIES

Contract: 68-D1-0080

Lab Code: DATAC

Case No. 19810

SAS No.:

SDG No.: ETD01

Matrix: (soil/water) SOIL

Lab Sample ID: CLP-13050

Sample wt/vol: 30.0 (g/ml)G

Lab File ID:

% Moisture: 22 decanted: (Y/N) N

Date Received: 4/21/93

Extraction: (SepF/Cont/Sonc) SONC

Date Extracted: 5/01/93

Concentrated Extract Volume: 5000 (uL)

Date Analyzed: 5/20/93

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N)Y pH: 10.0

Sulfur Cleanup: (Y/N) N

SAS 5

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

319-84-6	alpha-BHC	2.2	U
319-85-7	beta-BHC	2.2	U
319-86-8	delta-BHC	2.2	U
58-89-9	gamma-BHC (Lindane)	2.2	U
76-44-8	Heptachlor	2.2	U
309-00-2	Aldrin	2.2	U
1024-57-3	Heptachlor epoxide	2.2	U
959-98-8	Endosulfan I	2.2	U
60-57-1	Dieldrin	4.2	JPBU - 5
72-55-9	4,4'-DDE	4.2	U
72-20-8	Endrin	4.2	U
33213-65-9	Endosulfan II	4.2	U
72-54-8	4,4'-DDD	4.2	U
1031-07-8	Endosulfan sulfate	4.2	U
50-29-3	4,4'-DDT	4.2	U
72-43-5	Methoxychlor	22 1.9	JPBU
53494-70-5	Endrin ketone	4.2	U
7421-36-3	Endrin aldehyde	4.2	U
5103-71-9	alpha-Chlordane	2.2	U
5103-74-2	gamma-Chlordane	2.2	U
8001-35-2	Toxaphene	220.	U
12674-11-2	Aroclor-1016	42.	U
11104-28-2	Aroclor-1221	86.	U
11141-16-5	Aroclor-1232	42.	U
53469-21-9	Aroclor-1242	42.	U
12672-29-6	Aroclor-1248	42.	U
11097-69-1	Aroclor-1254	42.	U
11096-82-5	Aroclor-1260	42.	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

ETD10

Lab Name: DATA CHEM LABORATORIES

Contract: 68-D1-0080

Lab Code: DATA C

Case No. 19810

SAS No.:

SDG No.: ETD01

Matrix: (soil/water) SOIL

Lab Sample ID: CLP-13051

Sample wt/vol: 30.0 (g/ml) G

Lab File ID:

% Moisture: 86 decanted: (Y/N) N

Date Received: 4/21/93

Extraction: (SepF/Cont/Sonc) SONC

Date Extracted: 5/01/93

Concentrated Extract Volume: 5000 (uL)

Date Analyzed: 5/20/93

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

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

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	12.	U
319-85-7	beta-BHC	12.	U
319-86-8	delta-BHC	12.	U
58-89-9	gamma-BHC (Lindane)	12.	U
76-44-8	Heptachlor	12.	U
309-00-2	Aldrin	12.	U
1024-57-3	Heptachlor epoxide	12.	U
959-98-8	Endosulfan I	12. 1.2	JPBU St
60-57-1	Dieldrin	24 2.8	JPBU 6/1
72-55-9	4,4'-DDE	24.	U
72-20-8	Endrin	18.	JP
33213-65-9	Endosulfan II	5.6	JP
72-54-8	4,4'-DDD	24.	U
1031-07-8	Endosulfan sulfate	1.9	JP
50-29-3	4,4'-DDT	24.	U
72-43-5	Methoxychlor	120 2.1	JBU
53494-70-5	Endrin ketone	0.95	JP
7421-36-3	Endrin aldehyde	24.	U
5103-71-9	alpha-Chlordane	8.8	JP
5103-74-2	gamma-Chlordane	12.	U
8001-35-2	Toxaphene	1200.	U
12674-11-2	Aroclor-1016	240.	U
11104-28-2	Aroclor-1221	480.	U
11141-16-5	Aroclor-1232	240.	U
53469-21-9	Aroclor-1242	240.	U
12672-29-6	Aroclor-1248	240.	U
11097-69-1	Aroclor-1254	200.	JP
11096-82-5	Aroclor-1260	240.	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

ETD11

Lab Name: DATA CHEM LABORATORIES

Contract: 68-D1-0080

Lab Code: DATA C

Case No. 19810

SAS No.:

SDG No.: ETD01

Matrix: (soil/water) SOIL

Lab Sample ID: CLP-13052

Sample wt/vol: 30.0 (g/ml) G

Lab File ID:

% Moisture: 55 decanted: (Y/N) N

Date Received: 4/21/93

Extraction: (SepF/Cont/Sonc) SONC

Date Extracted: 5/01/93

Concentrated Extract Volume: 5000 (uL)

Date Analyzed: 5/20/93

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

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

Sulfur Cleanup: (Y/N) N

CAS NO. COMPOUND

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

Q

CAS NO.	COMPOUND	CONCENTRATION UNITS (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	3.8	U
319-85-7	beta-BHC	3.8	U
319-86-8	delta-BHC	3.8	U
58-89-9	gamma-BHC (Lindane)	3.8	U
76-44-8	Heptachlor	3.8	U
309-00-2	Aldrin	3.8	U
1024-57-3	Heptachlor epoxide	3.8	U
959-98-8	Endosulfan I	3.8	U
60-57-1	Dieldrin	3.5	U
72-55-9	4,4'-DDE	7.3	U
72-20-8	Endrin	12.	U
33213-65-9	Endosulfan II	7.3	U
72-54-8	4,4'-DDD	7.3	U
1031-07-8	Endosulfan sulfate	7.3	U
50-29-3	4,4'-DDT	3.7	J
72-43-5	Methoxychlor	3.8	U
53494-70-5	Endrin ketone	0.63	JP
7421-36-3	Endrin aldehyde	7.3	U
5103-71-9	alpha-Chlordane	7.2	P
5103-74-2	gamma-Chlordane	2.2	JP
8001-35-2	Toxaphene	380.	U
12674-11-2	Aroclor-1016	73.	U
11104-28-2	Aroclor-1221	150.	U
11141-16-5	Aroclor-1232	73.	U
53469-21-9	Aroclor-1242	73.	U
12672-29-6	Aroclor-1248	73.	U
11097-69-1	Aroclor-1254	200.	P
11096-82-5	Aroclor-1260	73.	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

ETD12

Lab Name: DATA CHEM LABORATORIES

Contract: 68-D1-0080

Lab Code: DATA C

Case No. 19810

SAS No.:

SDG No.: ETD01

Matrix: (soil/water) SOIL

Lab Sample ID: CLP-13053

Sample wt/vol: 30.0 (g/ml) G

Lab File ID:

% Moisture: 81 decanted: (Y/N) N

Date Received: 4/21/93

Extraction: (SepF/Cont/Sonc) SONC

Date Extracted: 5/01/93

Concentrated Extract Volume: 5000 (uL)

Date Analyzed: 5/20/93

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 6.8

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	0.77	JP
319-85-7	beta-BHC	8.9	U
319-86-8	delta-BHC	8.9	U
58-89-9	gamma-BHC (Lindane)	8.9	U
76-44-8	Heptachlor	8.9	U
309-00-2	Aldrin	8.9	U
1024-57-3	Heptachlor epoxide	8.9	U
959-98-8	Endosulfan I	8.9 1.8	JPBU
60-57-1	Dieldrin	17 10.	JPBU
72-55-9	4,4'-DDE	17.	U
72-20-8	Endrin	17	10. JPBU
33213-65-9	Endosulfan II	7.4	JP
72-54-8	4,4'-DDD	17.	U
1031-07-8	Endosulfan sulfate	17.	U
50-29-3	4,4'-DDT	17.	U
72-43-5	Methoxychlor	89 20.	JB4
53494-70-5	Endrin ketone	17.	U
7421-36-3	Endrin aldehyde	17.	U
5103-71-9	alpha-Chlordane	8.9	U
5103-74-2	gamma-Chlordane	8.9	U
8001-35-2	Toxaphene	890.	U
12674-11-2	Aroclor-1016	170.	U
11104-28-2	Aroclor-1221	350.	U
11141-16-5	Aroclor-1232	170.	U
53469-21-9	Aroclor-1242	170.	U
12672-29-6	Aroclor-1248	170.	U
11097-69-1	Aroclor-1254	170.	JP
11096-82-5	Aroclor-1260	170.	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

ETD17

Lab Name: DATA CHEM LABORATORIES Contract: 68-D1-0080

Lab Code: DATAC Case No. 19810 SAS No.: SDG No.: ETD01

Matrix: (soil/water) WATER Lab Sample ID: CLP-13060

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

% Moisture: decanted: (Y/N) Date Received: 4/22/93

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 4/27/93

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 5/19/93

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

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

19810-01
SAS

CAS NO.	COMPOUND	CONCENTRATION UNITS (ug/L or ug/Kg) UG/L	Q
319-84-6	alpha-BHC	0.05	U
319-85-7	beta-BHC	0.05	U
319-86-8	delta-BHC	0.05	U
58-89-9	gamma-BHC (Lindane)	0.05	U
76-44-8	Heptachlor	0.05	U
309-00-2	Aldrin	0.05	U
1024-57-3	Heptachlor epoxide	0.05	U
959-98-8	Endosulfan I	0.05	U
60-57-1	Dieldrin	0.10	U
72-55-9	4,4'-DDE	0.10	U
72-20-8	Endrin	0.10	U
33213-65-9	Endosulfan II	0.10	U
72-54-8	4,4'-DDD	0.10	U
1031-07-8	Endosulfan sulfate	0.10	U
50-29-3	4,4'-DDT	0.10	U
72-43-5	Methoxychlor	0.50	U
53494-70-5	Endrin ketone	0.10	U
7421-36-3	Endrin aldehyde	0.10	U
5103-71-9	alpha-Chlordane	0.05	U
5103-74-2	gamma-Chlordane	0.05	U
8001-35-2	Toxaphene	5.0	U
12674-11-2	Aroclor-1016	1.0	U
11104-28-2	Aroclor-1221	2.0	U
11141-16-5	Aroclor-1232	1.0	U
53469-21-9	Aroclor-1242	1.0	U
12672-29-6	Aroclor-1248	1.0	U
11097-69-1	Aroclor-1254	1.0	U
11096-82-5	Aroclor-1260	1.0	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

ETD18

Lab Name: DATA CHEM LABORATORIES

Contract: 68-D1-0080

Lab Code: DATA C

Case No. 19810

SAS No.:

SDG No.: ETD01

Matrix: (soil/water) WATER

Lab Sample ID: CLP-13061

Sample wt/vol: 1000 (g/ml) ML

Lab File ID:

% Moisture: decanted: (Y/N)

Date Received: 4/22/93

Extraction: (SepF/Cont/Sonc) SEPF

Date Extracted: 4/27/93

Concentrated Extract Volume: 10000 (uL)

Date Analyzed: 5/19/93

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

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

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS (ug/L or ug/Kg) UG/L	Q
319-84-6	alpha-BHC	0.05	U
319-85-7	beta-BHC	0.05	U
319-86-8	delta-BHC	0.05	U
58-89-9	gamma-BHC(Lindane)	0.05	U
76-44-8	Heptachlor	0.05	U
309-00-2	Aldrin	0.05	U
1024-57-3	Heptachlor epoxide	0.05	U
959-98-8	Endosulfan I	0.05	U
60-57-1	Dieldrin	0.10	U
72-55-9	4,4'-DDE	0.10	U
72-20-8	Endrin	0.10	U
33213-65-9	Endosulfan II	0.10	U
72-54-8	4,4'-DDD	0.10	U
1031-07-8	Endosulfan sulfate	0.10	U
50-29-3	4,4'-DDT	0.10	U
72-43-5	Methoxychlor	0.50	U
53494-70-5	Endrin ketone	0.10	U
7421-36-3	Endrin aldehyde	0.10	U
5103-71-9	alpha-Chlordane	0.05	U
5103-74-2	gamma-Chlordane	0.05	U
8001-35-2	Toxaphene	5.0	U
12674-11-2	Aroclor-1016	1.0	U
11104-28-2	Aroclor-1221	2.0	U
11141-16-5	Aroclor-1232	1.0	U
53469-21-9	Aroclor-1242	1.0	U
12672-29-6	Aroclor-1248	1.0	U
11097-69-1	Aroclor-1254	1.0	U
11096-82-5	Aroclor-1260	1.0	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

ETD19

Lab Name: DATA CHEM LABORATORIES Contract: 68-D1-0080

Lab Code: DATA C Case No. 19810 SAS No.: SDG No.: ETD01

Matrix: (soil/water) WATER Lab Sample ID: CLP-13062

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

% Moisture: decanted: (Y/N) Date Received: 4/22/93

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 4/27/93

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 5/19/93

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPE Cleanup: (Y/N) N pH: 7.0 Sulfur Cleanup: (Y/N) N

3303

CAS NO.	COMPOUND	CONCENTRATION UNITS (ug/L or ug/Kg) UG/L	Q
319-84-6	alpha-BHC	0.05	U (uL)
319-85-7	beta-BHC	0.05	U
319-86-8	delta-BHC	0.05	U
58-89-9	gamma-BHC(Lindane)	0.05	U
76-44-8	Heptachlor	0.05	U
309-00-2	Aldrin	0.05	U
1024-57-3	Heptachlor epoxide	0.05	U
959-98-8	Endosulfan I	0.05	U
60-57-1	Dieldrin	0.10	U
72-55-9	4,4'-DDE	0.10	U
72-20-8	Endrin	0.10	U
33213-65-9	Endosulfan II	0.10	U
72-54-8	4,4'-DDD	0.10	U
1031-07-8	Endosulfan sulfate	0.10	U
50-29-3	4,4'-DDT	0.10	U
72-43-5	Methoxychlor	0.50	U
53494-70-5	Endrin ketone	0.10	U
7421-36-3	Endrin aldehyde	0.10	U
5103-71-9	alpha-Chlordane	0.05	U
5103-74-2	gamma-Chlordane	0.05	U
8001-35-2	Toxaphene	5.0	U
12674-11-2	Aroclor-1016	1.0	U
11104-28-2	Aroclor-1221	2.0	U
11141-16-5	Aroclor-1232	1.0	U
53469-21-9	Aroclor-1242	1.0	U
12672-29-6	Aroclor-1248	1.0	U
11097-69-1	Aroclor-1254	1.0	U
11096-82-5	Aroclor-1260	1.0	U

SA-62-24

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

ETD20

Lab Name: DATACHEM LABORATORIES Contract: 68-D1-0080

Lab Code: DATAC Case No. 19810 SAS No.: SDG No.: ETD01

Matrix: (soil/water) WATER Lab Sample ID: CLP-13063

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

% Moisture: decanted: (Y/N) Date Received: 4/22/93

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 4/27/93

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 5/19/93

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS (ug/L or ug/Kg) UG/L	Q
319-84-6	alpha-BHC	0.05	U
319-85-7	beta-BHC	0.05	U
319-86-8	delta-BHC	0.019	JP
58-89-9	gamma-BHC (Lindane)	0.05	U
76-44-8	Heptachlor	0.05	U
309-00-2	Aldrin	0.05	U
1024-57-3	Heptachlor epoxide	0.05	U
959-98-8	Endosulfan I	0.004	JP
60-57-1	Dieldrin	0.10	U
72-55-9	4,4'-DDE	0.10	U
72-20-8	Endrin	0.017	JP
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	0.005	JP
53494-70-5	Endrin ketone	0.10	U
7421-36-3	Endrin aldehyde	0.10	U
5103-71-9	alpha-Chlordane	0.05	U
5103-74-2	gamma-Chlordane	0.05	U
8001-35-2	Toxaphene	5.0	U
12674-11-2	Aroclor-1016	1.0	U UJ(L)
11104-28-2	Aroclor-1221	2.0	U
11141-16-5	Aroclor-1232	1.0	U
53469-21-9	Aroclor-1242	1.0	U
12672-29-6	Aroclor-1248	1.0	U
11097-69-1	Aroclor-1254	1.0	U
11096-82-5	Aroclor-1260	1.0	U

1D

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

ETD21

Lab Name: DATA CHEM LABORATORIES

Contract: 68-D1-0080

Lab Code: DATAC

Case No. 19810

SAS No.:

SDG No.: ETD01

Matrix: (soil/water) WATER

Lab Sample ID: CLP-13064

Sample wt/vol: 1000 (g/ml) ML

Lab File ID:

% Moisture: decanted: (Y/N)

Date Received: 4/22/93

Extraction: (SepF/Cont/Sonc) SEPF

Date Extracted: 4/27/93

Concentrated Extract Volume: 10000 (uL)

Date Analyzed: 5/19/93

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N

pH: 7.0

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS (ug/L or ug/Kg) UG/L	Q
319-84-6	alpha-BHC	0.05	U
319-85-7	beta-BHC	0.05	U
319-86-8	delta-BHC	0.018	JP
58-89-9	gamma-BHC (Lindane)	0.05	U
76-44-8	Heptachlor	0.009	JP
309-00-2	Aldrin	0.05	U
1024-57-3	Heptachlor epoxide	0.05	U
959-98-8	Endosulfan I	0.007	JP
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	0.026	JP
72-43-5	Methoxychlor	0.50	U
53494-70-5	Endrin ketone	0.10	U
7421-36-3	Endrin aldehyde	0.10	U
5103-71-9	alpha-Chlordane	0.042	JP
5103-74-2	gamma-Chlordane	0.05	U
8001-35-2	Toxaphene	5.0	U
12674-11-2	Aroclor-1016	1.0	U (uL)
11104-28-2	Aroclor-1221	2.0	U
11141-16-5	Aroclor-1232	1.0	U
53469-21-9	Aroclor-1242	1.0	U
12672-29-6	Aroclor-1248	1.0	U
11097-69-1	Aroclor-1254	1.0	U
11096-82-5	Aroclor-1260	1.0	U

SA-6W-05

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

ETD22

Lab Name: DATACHEM LABORATORIES

Contract: 68-D1-0080

Lab Code: DATAC

Case No. 19810

SAS No.:

SDG No.: ETD01

Matrix: (soil/water) WATER

Lab Sample ID: CLP-13065

Sample wt/vol: 1000 (g/ml) ML

Lab File ID:

% Moisture: decanted: (Y/N)

Date Received: 4/22/93

Extraction: (SepF/Cont/Sonc) SEPF

Date Extracted: 4/27/93

Concentrated Extract Volume: 10000 (uL)

Date Analyzed: 5/19/93

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

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

Sulfur Cleanup: (Y/N) N

CAS NO.

COMPOUND

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

Q

CAS NO.	COMPOUND	CONCENTRATION UNITS (ug/L or ug/Kg) UG/L	Q
319-84-6	alpha-BHC	0.05	U (uL)
319-85-7	beta-BHC	0.05	U
319-86-8	delta-BHC	0.05	U
58-89-9	gamma-BHC (Lindane)	0.05	U
76-44-8	Heptachlor	0.05	U
309-00-2	Aldrin	0.05	U
1024-57-3	Heptachlor epoxide	0.05	U
959-98-8	Endosulfan I	0.05	U
60-57-1	Dieldrin	0.10	U
72-55-9	4,4'-DDE	0.10	U
72-20-8	Endrin	0.10	U
33213-65-9	Endosulfan II	0.10	U
72-54-8	4,4'-DDD	0.10	U
1031-07-8	Endosulfan sulfate	0.10	U
50-29-3	4,4'-DDT	0.10	U
72-43-5	Methoxychlor	0.50	U
53494-70-5	Endrin ketone	0.10	U
7421-36-3	Endrin aldehyde	0.10	U
5103-71-9	alpha-Chlordane	0.05	U
5103-74-2	gamma-Chlordane	0.05	U
8001-35-2	Toxaphene	5.0	U
12674-11-2	Aroclor-1016	1.0	U
11104-28-2	Aroclor-1221	2.0	U
11141-16-5	Aroclor-1232	1.0	U
53469-21-9	Aroclor-1242	1.0	U
12672-29-6	Aroclor-1248	1.0	U
11097-69-1	Aroclor-1254	1.0	U
11096-82-5	Aroclor-1260	1.0	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

ETD23

Lab Name: DATACHEM LABORATORIES Contract: 68-D1-0080

Lab Code: DATAC Case No. 19810 SAS No.: SDG No.: ETD01

Matrix: (soil/water) WATER Lab Sample ID: CLP-13066

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

% Moisture: decanted: (Y/N) Date Received: 4/22/93

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 4/27/93

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 5/19/93

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 6.0 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS (ug/L or ug/Kg) UG/L	Q
319-84-6-----	alpha-BHC	0.05	U
319-85-7-----	beta-BHC	0.05	U
319-86-8-----	delta-BHC	0.05	U
58-89-9-----	gamma-BHC(Lindane)	0.05	U
76-44-8-----	Heptachlor	0.05	U
309-00-2-----	Aldrin	0.05	U
1024-57-3-----	Heptachlor epoxide	0.05	U
959-98-8-----	Endosulfan I	0.05	U
60-57-1-----	Dieldrin	0.10	U
72-55-9-----	4,4'-DDE	0.10	U
72-20-8-----	Endrin	0.10	U
33213-65-9-----	Endosulfan II	0.10	U
72-54-8-----	4,4'-DDD	0.10	U
1031-07-8-----	Endosulfan sulfate	0.10	U
50-29-3-----	4,4'-DDT	0.10	U
72-43-5-----	Methoxychlor	0.50	U
53494-70-5-----	Endrin ketone	0.10	U
7421-36-3-----	Endrin aldehyde	0.10	U
5103-71-9-----	alpha-Chlordane	0.05	U
5103-74-2-----	gamma-Chlordane	0.05	U
8001-35-2-----	Toxaphene	5.0	U
12674-11-2-----	Aroclor-1016	1.0	U uJ(L)
11104-28-2-----	Aroclor-1221	2.0	U
11141-16-5-----	Aroclor-1232	1.0	U
53469-21-9-----	Aroclor-1242	1.0	U
12672-29-6-----	Aroclor-1248	1.0	U
11097-69-1-----	Aroclor-1254	1.0	U
11096-82-5-----	Aroclor-1260	1.0	U

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION V

ESD Central Regional Laboratory
Data Tracking Form for Contract Samples

Data Set No. _____ CERCLIS No. LOHD
Case No. 19810 Site Name Location: Sheldahl metal
Contractor or EPA Lab: Datachem Data User: PRC
No. of Samples: 20 Date Samples or Data Received: May 27 1992
Have chain-of-custody records been received? YES NO
Have traffic reports or packing lists been received? YES NO
If no, are traffic report or packing list numbers written on the
chain-of-custody record? YES NO
If no, which traffic report or packing list numbers are missing?

Are basic data forms in? YES NO
No. of samples claimed: 20 No. of samples received: 20
Received by: AD Murray Date: May 27, 1993
Received by LSSS: Stanley M. May Date: 6/02/93
Review started: 6/16/93 Reviewer Signature: Stanley M. May
Total time spent on review: 18 Date review completed: 6/17/93
Copied by: Robert Feuser Date: 6-24-93
Mailed to user by: AD Murray Date: 6-24-93

DATA USERS:

Please fill in the blanks below and return this form to:
Sylvia Griffin, Data Mgmt. Coordinator, Region V, ESCRL

Data received by: Billed Date: JUN 30 1993

Data review received by: _____ Date: _____

Inorganic Data Complete () Suitable for Intended Purpose () if OK
Organic Data Complete () Suitable for Intended Purpose () List
Dioxin Data Complete () Suitable for Intended Purpose () prblms
SAS Data Complete () Suitable for Intended Purpose () below.

PROBLEMS: Please indicate reasons why data are not suitable for
your uses.

Received by Data Mgmt. Coordinator for Files Date: _____