US EPA RECORDS CENTER REGION 5
557142

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION V

DATE: 6/25/92

SUBJECT: Review of Region V CLP Data Received for Review on June 4, 1992

FROM: Charles T. Elly, Director(5SCRL) Central Regional Laboratory Patrick J. Churilla for

TO: Data User: PRC

We have reviewed the data for the following case(s).

SITE NAME: Satralloy (OH) SMO Case No. 19026

EPA Data Set No. _____ No. of Samples 15 DU/Activity Numbers _____

CRL No. _____

SMO Traffic No. EQK01-11, EQK26-29

CLP Laboratory: Wadsworth Hrs. for Review 21 hrs
3
24 hrs w/sm

Following are our findings:

See Attached Review - PJC

( ) Data are acceptable for use.
(X) Data are acceptable for use with qualifications.
( ) Data are preliminary - pending verification by laboratory.
( ) Data are unacceptable.

cc: Elenor McLean, Sample Mgmt. Office
Edward Kantor, EMSL-Las Vegas

NARRATIVE

CONTRACTOR: WADSWORTH
CASE: 19026
SDG: EQK01

The samples were collected on 04/28/92 and 04/29/92. The laboratory received four (4) water samples and eleven (11) soil samples in good condition for organic analysis following the SOW 3/90. Samples EQK03, EQK04, EQK05, EQK06, EQK07, EQK10, EQK11 and EQK29 were analyzed for VOAs only. The remaining samples were analyzed for full organic analysis.

Sample EQK26 was used for the low level water matrix spike/spike duplicate for the VOA, SVOA and Pest/PCB analysis. Sample EQK02 was used for the low level soil matrix spike/spike duplicate for the VOA, SVOA and Pest/PCB analysis.

The CRL reports were not included in this data package. Samples EQK28 and EQK29 were identified as the field and trip blanks respectively. Sample EQK27 was identified as the duplicate of sample EQK26.

The VOA samples were analyzed within the holding time of fourteen (14) days for the water and soil samples. The SVOA and Pest/PCB samples were extracted within the holding time of seven and fourteen (14) days for water and soil samples respectively. The extracts were then promptly analyzed.

The reviewer's narrative and data qualifiers are noted in the following pages.

Reviewed by: Steffanie N. Tobin Lockheed/ESAT

Date: June 15, 1992

NARRATIVE

CONTRACTOR: WADSWORTH
CASE: 19026
SDG: EQK01

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

1.HOLDING TIME

The laboratory received four (4) water samples and eleven (11) soil samples in good condition for organic analysis. Samples EQK03, EQK04, EQK05, EQK06, EQK07, EQK10, EQK11 and EQK29 were analyzed for VOAs only. The remaining samples were analyzed for full organic analysis. The VOA samples were analyzed within the holding time of fourteen (14) days for the water and soil samples; therefore, the results are acceptable. The SVOA and Pest/PCB samples were extracted within the holding time of seven and fourteen days for the water and soil samples respectively; therefore, the results are acceptable.

2.GC/MS TUNING AND GC PERFORMANCE

GC/MS tuning complied with the mass list and ion abundance criteria for BFB and DFTPP.

DDT and Endrin degradation check using Performance Evaluation Mix of RTX-1701 and RTX-5 columns were acceptable (<20%).

Retention time for DDT met the required minimum retention time (>12 minutes) criteria for both columns.

The Florisil Cartridge Check and Resolution Check met the QC criteria.

For the GPC calibration, the percent recoveries for gamma-BHC, heptachlor, 4,4'-DDT were reported as 114%, 111% and 118% respectively. The QC limits for the above compounds are 80% - 110%. No qualification are needed because the recoveries are within 10% of the upper limits.

Reviewed by: Steffanie N. Tobin__Lockheed/ESAT

Date:__June 15, 1992__

NARRATIVE

CONTRACTOR: WADSWORTH
CASE: 19026
SDG: EQK01

3.CALIBRATION

Initial and continuing calibration standards of VOA, SVOA and Pest/PCB were evaluated for the Target Compounds List (TCLs) and outliers were recorded on the outlier forms included as a part of this narrative.

4.METHOD BLANK

VBLK2 is the low level water method blank for VOAs. VBLK3 and VBLK4 are the low level soil method blanks for the VOA fraction. The water method blank contained 2-butanone. 2-Butanone is the common laboratory contaminant; therefore, the presence of 2-butanone in the associated samples is flagged as non-detected (U) when the sample results are less than 10X the blank results. Please refer to For IV VOAs for the lists of associated samples.

For the SVOA fraction, SBLK1 is the water method blank. SBLK2 and SBLK3 are the low level soil method blanks. Di-n-butylphthalate was detected in all SVOA method blanks. In addition, SBLK1 contained bis(2-ethylhexyl)phthalate and 2 TICs. SBLK2 contained bis(2-ethylhexyl)phthalate and 1 TIC. SBLK3 contained 2 TICs. Di-n-butylphthalate and bis(2-ethylhexyl)phthalate are the common laboratory contaminants; therefore, the presence of these two compounds in the associated samples is flagged as non-detected (U) when the sample results are less than 10X the blank results. Please, refer to Form IV SVOAs for the lists of associated samples.

For the Pest/PCB fraction, PBLKI and PBLKII are the method blanks for the water and soil samples respectively. Heptachlor epoxide was detected in both method blanks. Heptachlor epoxide is not a common laboratory contaminant. The presence of this compound in the associated samples is flagged as non-detected (U) when the sample results are less than 5X the blank results.

Reviewed by: Steffanie N. Tobin SI Lockheed/ESAT

Date: June 15, 1992

5.SURROGATE RECOVERY

The surrogate recoveries for VOA fraction were well within the QC limits.

For the SVOA fraction, the recoveries of S6 in EQK01, EQK08, EQK08RE and EQK09 were less or equal 10%. The recoveries of S5 in samples EQK08, EQK09 were outside the QC limits; therefore, the positive results for the acid fraction of samples EQK01, EQK08, EQK08RE and EQK09 are flagged as estimated (J) and non-detected as unusable (R).

For the Pest/PCB fraction, the recoveries of TCX1 in soil samples EQK26MSD, EQK27 were outside the QC limits. The recoveries of DCB1 in water samples EQK01 and EQK01DL were outside the QC limits. Therefore, the positive results for the EQK26MSD, EQK27, EQK01 and EQK01DL are flagged as estimated (J) and non-detected (UJ).

6.MATRIX SPIKE/MATRIX SPIKE DUPLICATE

Water sample EQK26 was used for the low level water matrix spike/spike duplicate for the VOA, SVOA and Pest/PCB analysis. Soil sample EQK02 was used for the low level soil matrix spike/spike duplicate for the VOA, SVOA and Pest/PCB analysis.

For the VOA fraction, the spike recoveries and %RPD for the water spiked sample (EQK26) were well within the QC limits. The %RPD for 1,1-DCE in the soil spiked sample (EQK02) was outside the QC limits. The positive result for 1,1-DCE in the unspiked sample (EQK02) is flagged as estimated (J) and non-detected (UJ).

For the SVOA fraction, the recoveries of 4-nitrophenol and pentachlorophenol in both spike/spike duplicate were outside the QC limits for the water spiked sample (EQK26). The recovery of 2,4-dinitrotoluene in the spike duplicate was also outside the QC limits. The positive results for 4-nitrophenol, pentachlorophenol and 2,4-dinitrotoluene. in the unspiked sample (EQK26) are flagged

as estimated (J) and non-detected (UJ). The spike recoveries and %RPD for the soil spiked sample (EQK02) were well within the QC limits.

For the Pest/PCB fraction, the spike recoveries and %RPDs were well within the QC limits.

7.FIELD BLANK AND FIELD DUPLICATE

The CRL reports were not included in this data package. Samples EQK28 and EQK29 were identified as the field and trip blanks respectively. Sample EQK27 was identified as the duplicate of sample EQK26. The results for the duplicated samples are some what close. The field blank contained acetone. The trip blank contained acetone and chloroform. Review the results for each sample noted aabove in section 12.

8.INTERNAL STANDARDS

The internal standard areas and IS retention times were well within the QC limits for VOA analysis. For the SVOA fraction, the IS4 recovery for EQK08RE was outside the QC limits. The positive results for the compounds quantitated using IS4 are flagged as estimated (J) and non-detected (UJ). Please, refer to table 4 for the list of compounds associated with IS4. The results from EQK08 should be used in this case since all internal standards were within the QC limits.

9.COMPOUND IDENTIFICATION

Target compounds and TICs were identified by "best fit" library search method.

10.COMPOUND QUANTITATION AND REPORTED DETECTION LIMITS

VOA, SVOA and Pest/PCB Target Compounds (TCLs) and Tentative Identified Compounds (TICs) were properly quantitated; therefore, the data is acceptable.

Reviewed by: Steffanie N. Tobin Lockheed/ESAT

Date: June 15, 1992

The CRQLs were adjusted to reflect all sample dilutions and percent moisture.

11. SYSTEM PERFORMANCE

GC/MS baseline indicated acceptable performance.

GC baseline indicated acceptable performance.

12. OVERALL CASE ASSESSMENT

Sample ID#	# of Hits				
	VOA		SVOA		Pest/PCB
	TCL	TIC	TCL	TIC	TCL
EQK01	1	2	12	11	1
EQK01DL	-	-	-	-	1
EQK02	2	0	9	20	1
EQK03	1	0	-	-	-
EQK04	1	0	-	-	-
EQK05	1	0	-	-	-
EQK06	0	0	-	-	-
EQK07	1	0	-	-	-
EQK08	0	0	14	20	2
EQK08RE	-	-	14	20	-
EQK09	1	0	12	20	1
EQK10	1	0	-	-	-
EQK11	0	0	-	-	-
EQK26*	1	0	0	1	1
EQK27*	1	0	1	1	0
EQK28*	1	0	1	1	0
EQK29*	2	0	-	-	-

(-) No analysis was performed
(*) Water sample

Reviewed by: Steffanie N. Tobin Lockheed/ESAT

Date: June 15, 1992

CALIBRATION OUTLIERS
VOLATILE TCL COMPOUNDS

CASE\SAS#: 19026 CONTRACTOR: WADSWORTH

Instrument# 4/20/92 7:54		Initial Cal.			Contin. Cal.			Contin. Cal.			Contin. Cal.			Contin. Cal.		
Date/Time: INCOS5D-2		4/20/92 7:54			5/1/92 20:42											
	#	rf	%rsd	*	rf	%d	*	rf	%d	*	rf	%d	*	rf	%d	*
Chloromethane	0.01															
Bromomethane	0.10															
Vinyl chloride	0.10															
Chloroethane	0.01															
Methylene chloride	0.01															
Acetone	0.01															
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	2.4			3.0	26	J									
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															
tran-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:

EQK26
EQK26MS
EQK26MSD
EQK27
EQK28
EQK29

Reviewer's Init/Date: ST 6/10/92

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

CALIBRATION OUTLIERS
VOLATILE TCL COMPOUNDS

CASE\SAS#: 19026 CONTRACTOR: WADSWORTH

Instrument# INCOS50-1		Initial Cal.			Contin. Cal.			Contin. Cal.			Contin. Cal.			Contin. Cal.		
Date/Time: 4/29/92 13:45		4/29/92 13:45			5/1/92 8:32			5/4/92 8:40								
	#	rf	%rsd	*	rf	%d	*	rf	%d	*	rf	%d	*	rf	%d	*
Chloromethane	0.01															
Bromomethane	0.10	1.5			1.21			1.1	26	J						
Vinyl chloride	0.10															
Chloroethane	0.01	0.81			0.58	29	J	0.53	34	J						
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	0.75			0.61			0.44	42	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															
tran-1,3-Dichloropropene	0.10															
Bromoform	0.10															
4-Methyl-2-pentanone	0.01	0.62			0.45	27	J	0.36	42	J						
2-Hexanone	0.01	0.86			0.27	30	J	0.21	46	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																

Samples affected:

EQK01	EQK02MSD
EQK04	EQK06
EQK08	EQK02MS
EQK09	
EQK10	
EQK11	
EQK12	
EQK03	
EQK05	
EQK07	

Reviewer's Init/Date: ST 6/10/92

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\# Minimum Relative Response Factor

CALIBRATION OUTLIER
SEMVOLATILE TCL COMPOUNDS
(Page 1)

CASE\SAS#: 19026 EXTR03 ST 6/11/92

CONTRACTOR: WADSWORTH

Instrument# ~~DF0221E1~~		Initial Cal.			Contin. Cal.			Contin. Cal.			Contin. Cal.			Contin. Cal.		
Date/Time: 2/24/92 15:34		2/24/92 15:34			5/7/92 10:27			5/8/92 7:42								
	#	rf	%rsd	*	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-chloroethoxyl)methane	0.30															
2,4-Dichlorophenol	0.20															
1,2,4-Trichlorobenzene	0.20															
Naphthalene	0.70															
4-Chloroaniline	0.01	0.17			0.38	128.1	J	0.39	134	J						
Hexachlorobutadiene	0.01															
4-Chloro-3-methylphenol	0.20															
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	0.44			0.36			0.30	32	J						
Dimethyl phthlate	0.01															
Acenaphthylene	1.30															
2,6-Dinitrotoluene	0.20	0.27			0.21			0.19	28	J						
3-Nitroaniline	0.01	0.30			0.25			0.22	26	J						
Acenaphthene	0.30															
2,4-Dinitrophenol	0.01	0.14			0.10	28	J	0.07	48	J						
4-Nitrophenol	0.01	0.20			0.16			0.13	35	J						
Dibenzofuran	0.80															
2,4-Dinitrotoluene	0.20	0.39			0.28	28	J	0.28	28	J						

Affected samples:

EQK26	EQK01
EQK26MS	EQK09
EQK26MSD	EQK02
EQK27	EQK02MS
EQK28	EQK02MSD
EQK08	

Reviewer's Init/Date: ST 6/11/92

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

CALIBRATION OUTLIER
SEMVOLATILE TCL COMPOUNDS
(Page 2)

CASE\SAS#: 19026 CONTRACTOR: WADSWORTH

EAR03 ST 6/11/92

Instrument# ~~DF0224E1~~		Initial Cal.			Contin. Cal.			Contin. Cal.			Contin. Cal.			Contin. Cal.		
Date/Time: 2/24/92 15:34		2/24/92 15:34			5/7/92 10:27			5/8/92 7:42								
	#	rf	%rsd	*	rf	%d	*	rf	%d	*	rf	%d	*	rf	%d	*
Diethylphthalate	0.01															
4-Chlorophenyl-phenylether	0.40															
Fluorene	0.90															
4-Nitroaniline	0.01	0.30			0.21	31	J	0.18	40	J						
4,6-Dinitro-2-methylphenol	0.01							0.07	36	J						
N-nitrosodiphenylamine	0.01	0.28			0.41	42	J	~~0.07~~ 0.4	36	J						
4-Bromophenyl-phenylether	0.10															
Hexachlorobenzene	0.10															
Pentachlorophenol	0.05	0.14			0.10	33	J	0.097	33	J						
Phenanthrene	0.70															
Anthracene	0.70															
Carbazole		0.96			0.71	26	J	0.72								
Di-n-butylphthalate	0.01															
Fluoranthene	0.60	1.2			0.84	28	J	0.88								
Pyrene	0.60															
Butylbenzylphthalate	0.01															
3,3'-Dichlorobenzidine	0.01	0.18			0.30	64	J	0.30	64	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)fpuoranthene	0.70															
Benzo(a)pyrene	0.70															
Indeno(1,2,3-cd)pyrene	0.50															
Dibenz(a,h)anthrancene	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				0.11	32	J									
2-Chlorophenol-d4																
1,2-Dichlorobenzene-d4																

Reviewer's Init/Date: ST 6/11/92

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\# Minimum Relative Response Factor

CALIBRATION OUTLIER
SEMVOLATILE TCL COMPOUNDS
(Page 1)

CASE\SAS#: 19026 CONTRACTOR: WADSWORTH

Instrument# ~~3DF05T4~~ EXTR03 ST 6/11/92		Initial Cal.			Contin. Cal.			Contin. Cal.			Contin. Cal.			Contin. Cal.		
Date/Time: 5/14/92 13:01		5/14/92		13:01	5/15/92		8:00	5/18/92		13:49						
	#	rf	%rsd	*	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-chloroethoxyl)methane	0.30															
2,4-Dichlorophenol	0.20															
1,2,4-Trichlorobenzene	0.20															
Naphthalene	0.70															
4-Chloroaniline	0.01															
Hexachlorobutadiene	0.01															
4-Chloro-3-methylphenol	0.20															
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 phthlate	0.01															
Acenaphthylene	1.30															
2,6-Dinitrotoluene	0.20	0.18		J	0.18		J	0.19		J						
3-Nitroaniline	0.01															
Acenaphthene	0.30															
2,4-Dinitrophenol	0.01	0.06	31	J	0.05	27	J	0.62								
4-Nitrophenol	0.01	0.84			0.68			0.12	37	J						
Dibenzofuran	0.80															
2,4-Dinitrotoluene	0.20															
								EQUOSRE								

Affected samples:

Reviewer's Init/Date: ST 6/11/92

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

CALIBRATION OUTLIER
SEMVOLATILE TCL COMPOUNDS
(Page 2)

CASE\SAS#: 19026 CONTRACTOR: WADSWORTH

EXTR08 6/11/92

Instrument# 3DF0514 ST		Initial Cal.			Contin. Cal.			Contin. Cal.			Contin. Cal.			Contin. Cal.		
Date/Time: 5/14/92 13:01		5/14/92 13:01			5/15/92 8:00			5/18/92 13:49								
	#	rf	%rsd	*	rf	%d	*	rf	%d	*	rf	%d	*	rf	%d	*
Diethylphthalate	0.01															
4-Chlorophenyl-phenylether	0.40															
Fluorene	0.90															
4-Nitroaniline	0.01	0.14			0.10	28	J	0.18								
4,6-Dinitro-2-methylphenol	0.01															
N-nitrosodiphenylamine	0.01															
4-Bromophenyl-phenylether	0.10															
Hexachlorobenzene	0.10															
Pentachlorophenol	0.05															
Phenanthrene	0.70															
Anthracene	0.70															
Carbazole																
Di-n-butylphthalate	0.01															
Fluoranthene	0.60															
Pyrene	0.60															
Butylbenzylphthalate	0.01															
3,3'-Dichlorobenzidine	0.01															
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)fpuoranthene	0.70															
Benzo(a)pyrene	0.70															
Indeno(1,2,3-cd)pyrene	0.50															
Dibenz(a,h)anthrancene	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: ST 6/11/92

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

CALIBRATION OUTLIERS
PEST/PCB TCL COMPOUNDS

CASE\SAS#: 19026 **CONTRACTOR:** WADSWORTH

Column: RTX1701

Instrument#: HP5890XA	Init. Cal.		Cont. Cal.		Cont. Cal.		Cont.Cal	
Date/Time 5/13/92 16:37	5/13/92 16:37		5/19/92 3:28		5/19/92 19:25			
	%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:		
	EQK26	EQK27
	EQK26MS	EQK28
	EQK26MSD	EQK01 DL
		EQK01
		EQK08
		EQK09
		EQK02
		EQK02MS
		EQK02MSD

Pest/PCB

Reviewer's
Initial/Date JT 6/11/92

3/90 Rev

* These flags should be applied to the analytes on the Sample Data Sheets.

CALIBRATION OUTLIERS
PEST/PCB TCL COMPOUNDS

CASE\SAS#: 19026 **CONTRACTOR:** WARWORTH

Column: RTX-5

Instrument#: HP5890B	Init. Cal.		Cont. Cal.		Cont. Cal.		Cont.Cal	
Date/Time 5/13/92 16:37	5/13/92 16:37		5/19/92 3:28		5/19/92 19:25			
	%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:		
	EQK26	EQK27
	EQK26MS	EQK28
	EQK26MSD	EQK01DL
		EQK01
		EQK08
		EQK09
		EQK02
		EQK02MS
		EQK02MSD

Pest/PCB

Reviewer's Initial/Date ST 6/11/92

3/90 Rev

* These flags should be applied to the analytes on the Sample Data Sheets.

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 thee 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:

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

and df = dilution factor

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

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

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 bur 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 is 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".

TABLE 4

VOLATILE INTERNAL STANDARDS WITH CORRESPONING TCL ANALYTES ASSIGNED FOR QUANTITATION

Bromochloromathane	1,4-Difluorobenzene	Chlorobenzene-d5
Chloromethane	2-Butanone	2-Hexanone
Bromomethane	1,1,1-Trichloroethane	4-Methyl-2-pentanone
Vinyl chloride	Carbon tetrachloride	Tetrachloroethene
Chloroethane	Vinyl acetate	1,1,2,2-Tetrachloroethane
Methylene chloride	Bromodichloromethane	Toluene
Acetone	1,2-Dichloropropane	Chlorobenzene
Carbon disulfide	trans-1,3-Dichloropropane	Ethylbenzene
1,1-Dichloroethene	Trichloroethene	Styrene
1,1-Dichloroethane	Dibromochloromethane	Xylene (total)
1,2-Dichloroethene (total)	1,1,2-Trichloroethane	Bromofluorobenzene (surr)
Chloroform	Benzene	Toluene-d8 (surr)
1,2-Dichloroethane	cis-1,3-Dichloropropene	
1,2-Dichloroethane-d4 (surr)	Bromoform	

SEMIVOLATILE INTERNAL STANDARDS WITH CORRESPONING TCL ANALYTES ASSIGNED FOR QUANTITATION

1,4-Dichlorobenzene-d4	Naphthalene-d8	Acenaphthene-d10	Phenanthrene-d10	Chrysene-d12	Perylene-d12
Phenol	Nitrobenzene	Hexachlorocyclopentadiene	4,6-Dinitro-2-methylphenol	Pyrene	Di-n-octyl phthalate
bis(2-Chloroethyl)ether	Isophorone	2,4,6-Trichlorophenol	N-nitroso-di-phenylamine	Butylbenzyl phthalate	Benzo(b)fluoranthene
2-Chlorophenol	2-Nitrophenol	2,4,5-Trichlorophenol	1,2-Diphenylhydrazine	3,3'-Dichlorobenzidine	Benzo(k)fluoranthene
1,3-Dichlorobenzene	2,4-Dimethylphenol	2-Chloronaphthalene	4-Bromophenyl phenyl ether	Benz(a)anthracene	Benzo(a)pyrene
1,4-Dichlorobenzene	Benzoic acid	2-Nitroaniline	Hexachlorobenzene	bis(2-Ethylhexyl)phthalate	Indeno(1,2,3-cd)pyrene
Benzyl alcohol	bis(2-Chloroethoxy)methane	Dimethyl phthalate	Pentachlorophenol	Chrysene	Dibenz(a,h)anthracene
1,2-Dichlorobenzene	2,4-Dichlorophenol	Acenaphthylene	Phenanthrene	Terphenyl-d14 (surr)	Benzo(g,h,i)perylene
2-Methylphenol	1,2,4-Trichlorobenzene	3-Nitroaniline	Anthracene		
bis(2-Chloroisopropyl)ether	4-Chloroaniline	Acenaphthene	Di-n-butyl phthalate		
4-Methylphenol	Hexachlorobutadiene	2,4-Dinitrophenol	Fluoranthene		
N-nitroso-di-n-propylamine	4-Chloro-3-methylphenol	4-Nitrophenol			
Hexachloroethane	2-Methylnaphthalene	Dibenzofuran			
2-Fluorophenol (surr)	Nitrobenzene-d5 (surr)	2,4-Dinitrotoluene			
Phenol-d6 (surr)		2,6-Dinitrotoluene			
		Diethyl phthalate			
		4-Chlorophenyl phenyl ether			
		Fluorene			
		4-Nitroaniline			
		2-Fluorobiphenyl (surr)			
		2,4,6-Tribromophenol (surr)			

WADSWORTH/ALERT Laboratories
Division of Enseco Incorporated

Corporate and Laboratory:
4101 Shuffel Drive, NW
North Canton, OH 44720
216-497-9396
FAX 216-497-0772

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US EPA CENTRAL REGIONAL LAB.
536 S. CLARK ST.
CHICAGO, ILLINOIS 60605

SDG NARRATIVE

This narrative pertains to case number 19026, which was completed by WADSWORTH/ALERT Laboratories under contract number 68-D1-0085. The following samples are associated with this case under SDG EQK01:

EPA Sample Number	Date Sample Received
EQK01	4-29-92
EQK04	4-29-92
EQK08	4-29-92
EQK09	4-29-92
EQK10	4-29-92
EQK11	4-29-92
EQK02	4-29-92
EQK03	4-29-92
EQK05	4-29-92
EQK06	4-29-92
EQK07	4-29-92
EQK26	4-30-92
EQK27	4-30-92
EQK28	4-30-92
EQK29	4-30-92

The following is a listing of the pH value for each volatile water sample as received by the laboratory:

EPA Sample Number	pH
EQK26	1.0
EQK27	1.0
EQK28	1.0
EQK29	1.0

During the volatile analysis of samples EQK01, EQK02, EQK03, EQK06, EQK07, and EQK11, a "column bleed" peak was encountered which should not be mistaken for a TIC. A spectrum of the peak is enclosed with each sample as a verification of the peak's identity.

A semivolatile re-extraction was required for sample EQK08 due to poor surrogate recoveries. The re-extracted sample also had internal standard areas outside of contract required levels. Both the original and re-extracted sample data for EQK08 are included in the data package with the re-extracted sample appended with an "RE" suffix.

A Corning Company

Laboratories:
Pittsburgh, PA
412-826-5477

Tampa, FL
813-621-0784

Semivolatile samples EQK01 and EQK09 were not re-extracted since the original analyses were dilutions. Please refer to page D-57/SV of the current SOW.

Pesticide/PCB sample EQK01 was diluted in order to eliminate a matrix effect which was interfering in the quantitation of the analytes.

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

Ron Gibas

Ron Gibas
CLP Manager
6/3/92

EPA

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

Organic Traffic Report & Chain of Custody Record

(For Organic CLP Analysis)

SAS No. (if applicable):
Case No.:

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. H_2SO_4
   5. Other (Specify)
   6. Ice only
   N. Not preserved

3. Region No.:
Sampling Co.:
Sampler (Name):
Sampler Signature:

4. Type of Activity

	Lead	Pre-Remedial		Remedial	Removal
SF	X		RIFS	CLEM	
PRP		PA	RD	REMA	
ST		SSI	RA	REM	
FED		LSI	O&M	OIL	
			NPLD	UST	

5. Date Shipped:
Carrier:
Airbill Number:
6. Ship To: Wadsworth/Rittman, 401 Sheffield Dr. N.W., North Canton, OH 44720
ATTN: Denise Carson

7. Date Received -- Received by: 4-29-92 John Gruber
Laboratory Contract Number: 68-D1-0085
Unit Price: $724.00
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: VOA	BNA	Pest/PCB	High ARO/TOX	F Regional Specific Tracking Number or Tag Numbers	G Station Location Number	H Mo/Day/Year/Time Sample Collection	I Sampler Initials	J Corresp. CLP Inorg. Samp. No.	K Sample Condition on Rec't	L High Conc. Phases (Check below): Solids	Water -- Mis Liq.	Non Water -- Mis Liq.
EQK02	5	L	G	N	X				5-046505 5-046506	SS-2	4/28/92 1530		MERA06				
EQL02			G	N		X	X		5-046507	SS-2	4/28/92 1400		MERA02				
EQK03			G	N	X				5-046509 5-046510	SS-3	4/28/92 1450		MERA03				
EQK05			G	N	X				5-046512 5-046513	SS-5	4/28/92 1420		MERA05				
EQK06			G	N	X				5-046521 5-046522	SS-6	4/28/92 1430		MERA06				
EQK07			G	N	X				5-046525 5-046526	SS-7	4/28/92 1440		MERA07				

Shipment for Case complete? (Y/N): Y
Page 1 of 2
Sample used for a spike and/or duplicate: EQK02
Additional Sampler Signatures:
Chain of Custody Seal Number: 157427, 157430

CHAIN OF CUSTODY RECORD

Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
[illegible]	[illegible]	Christopher P. Coppel	Christopher P. Coppel	4/29/92 1735	
Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
Relinquished by: (Signature)	Date / Time	Received for Laboratory by: (Signature)	Date / Time	Remarks Is custody seal intact? Y/N/none	
		John Gruber	4-29-92 1140		

Split Samples: ☐ Accepted (Signature) ☐ Declined

EPA Form 9110-2 (Rev. 5-91) Replaces EPA Form (2075-7), previous edition which may be used

DISTRIBUTION:
Blue - Region Copy Pink - SMO Copy White - Lab Copy for Return to Region Yellow - Lab Copy for Return to SMO

SEE REVERSE FOR ADDITIONAL STANDARD INSTRUCTIONS

Org-2

O 02222

000003

SDG # EQK01

Organic Sample Collection Requirements

"This form replaces both the individual Traffic Report and EPA Chain of Custody Record. If the sampling team elects to use an alternative chain-of-custody form, cross out the bottom portion of this record and indicate that chain-of-custody information is recorded on an alternative form."

Water Samples	Required Volume	Container Type
Extractable Analysis (Low Level)	1 Gallon	1 X 4-Liter Amber Glass Bottle OR 2 X 80-oz. Amber Glass Bottle OR 4 X 1-Liter Amber Glass Bottles
Extractable Analysis (Medium Level*)	1 Gallon	32-oz. Wide-Mouth Glass Jars
Volatile Analysis (Low or Medium Level*)	80 ml.	2 X 40-ml. Glass Vials

*All Medium and High Level Samples to be Sealed in Metal Can for Shipment

Soil/Sediment Samples	Required Volume	Container Type
Extractable Analysis (Low or Medium Level*)	6 oz.	1 X 8-oz.Wide-Mouth Glass Jar OR
	240 ml.	2 X 4-oz. Wide-Mouth Glass Jars
Volatile Analysis (Low or Medium Level*)		2 X 120 ml. Wide-Mouth Glass Vials†

†Soil VOA Vials under study, subject to change, check to ensure proper sealing.

HIGH CONCENTRATION SAMPLE COLLECTION REQUIREMENTS

Liquid or Solid Samples	Required Volume	Container Type
Extractable and Volatile Analysis	6 oz.	1 X 8-oz.Wide-Mouth Glass Jar

1. **Organic Sample Collection Requirements**
   - Please indicate sample to spike and/or duplicate.
   - Ship medium and high concentration samples in paint cans.
   - Aqueous samples require one triple-volume sample per twenty for Matrix Spike/Matrix Spike Duplicate.
   - Oily samples must be analyzed under the Special Analytical Services (SAS) program.
   - Confirmatory analysis and Special Analytical Services (SAS) parameters may require extra volume; for SAS consult specified SAS methods for requirements.
   - Additional sample volume not required for method OLC01.

2. **Cooler and Sample Documentation**
   - Complete all sections of the Traffic Report/Chain of Custody Form - Press firmly with a ball point pen to ensure that carbon copies are legible. Check the information and correct any errors.
   - Please remember to complete the Chain of Custody information on the form.
   - Seal the two sets of laboratory Traffic Report/Chain of Custody form copies in a plastic bag. Include a return address for the cooler. Tape bag under cooler lid.
   - Overlap the lid and bottle of each sample container with custody seals.
   - Seal each container in a plastic bag.
   - Pack medium and high concentration samples in metal cans.
   - Cool low waters to 4° C. Cooling of low soils is optional. Do not cool medium or high concentration waters and soils.
   - Separate and surround cooler contents with vermiculite or equivalent packaging.
   - Seal the cooler, overlapping the lid and body with custody seals.
   - FAX SMO a copy of the Traffic Report/Chain of Custody Form as soon as possible. Send SMO the pink copy of the Traffic Report within 5 days.
   - In column E RAS analysis indicate number of sample bottles sent for analysis.

3. **Sample Shipment Reporting**
   - PHONE IN ALL SHIPMENTS IMMEDIATELY TO SMO (or to RSCC, if instructed)
     Required information:
     - Case (and/or SAS) Number
     - Date shipped
     - Number of samples by concentration and matrix
     - Carrier and airbill number
     - Next planned shipment

     Leave your name and a number where you can be reached.
   - Information for SATURDAY DELIVERIES must be phoned in by 3:00 PM (Eastern) the preceding FRIDAY.
   - Report any delays or changes of scope (i.e., changes in number of samples to be collected, matrix changes, etc.)
   - CALL IF YOU HAVE ANY QUESTIONS

     USEPA Contract Laboratory Program
     Sample Management Office
     P.O. Box 818
     Alexandria, VA 22313
     Phone: (703) 557-2490
     (703) 684-5678
     FAX: (703) 683-0378

EPA

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

Organic Traffic Report & Chain of Custody Record

(For Organic CLP Analysis)

SAS No. (if applicable):

Case No.:

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. H_2SO_4
   5. Other (Specify)
   6. Ice only
   N. Not preserved

3. Region No.: —

Sampling Co.:

5. Date Shipped:

Carrier:

7. Date Received -- Received by: 4-29-92 John Gruber

Sampler (Name):

Airbill Number:

Laboratory Contract Number: 68-D1-0085

Unit Price: $724.00

Sampler Signature:

6. Ship To: Wheelabrator/Abatek Manufacturing, 4401 Shuffel Drive, N.W. North Canton, OH 44720

ATTN: Denise Crisom

8. Transfer to:

Date Received:

Received by:

Contract Number:

Price:

4. Type of Activity

	Lead	Pre-Remedial		Remedial		Removal
SF	X		RIFS		CLEM	
PRP		PA	RD		REMA	
ST		SSI	X	RA		REM
FED		LSI		O&M		OIL
				NPLD		UST

CLP Sample Numbers (from labels)	A Enter # From Box 1	B Conc. Low Med High	C Sample Type: Comp./ Grab	D Preservative from Box 6	E RAS Analysis: VOA	BNA	Pest/ PCB	High ARO/ TOX	F Regional Specific Tracking Number or Tag Numbers	G Station Location Number	H Mo/Day/ Year/Time Sample Collection	I Sampler Initials	J Corresp. CLP Inorg. Samp. No.	K Sample Condition on Rec't	L High Conc. Phases (Check below): Solids	Water -- Mis Liq.	Non Water -- Mis Liq.
EQK01	5	L	G	N	X				5-046501, 5-046502	SS-1	4/28/92 1050		MERA01				
EQK01			C	N		X	X		5-046503	SS-1	4/28/92 1050		MERA01				
EQK04			G	N	X				5-046513, 5-046514	SS-4	4/28/92 1105		MERA04				
EQK08			G	N	X				5-046529, 5-046530	SS-8	4/28/92 1200		MERA08				
EQK08			C	N		X	X		5-046531	SS-8	4/28/92 1200		MERA08				
EQK09			G	N	X				5-046533, 5-046534	SS-9	4/28/92 1300		MERA09				
EQK09			C	N		X	X		5-046535	SS-9	4/28/92 1300		MERA09				
EQK10			G	N	X				5-046537, 5-046538	SS-10	4/28/92 1330		MERA10				
EQK11			G	N	X				5-046541, 5-046542	SS-11	4/28/92 1135		MERA11				

Shipment for Case complete? (Y/N):

Page 1 of 2

Sample used for a spike and/or duplicate: EQK02

Additional Sampler Signatures:

Chain of Custody Seal Number: 157429, 157430

CHAIN OF CUSTODY RECORD

Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
	4/28/92 1700	Christopher P. Coppel	Christopher P. Coppel	4/28/92 1735	
Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
Relinquished by: (Signature)	Date / Time	Received for Laboratory by: (Signature)	Date / Time	Remarks: Is custody seal intact? Y/N/none	
		John Gruber	4-29-92 1140		

Split Samples: ☐ Accepted (Signature) ☐ Declined

EPA Form 9110-2 (Rev. 5-91) Replaces EPA Form (2075-7), previous edition which may be used

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SEE REVERSE FOR ADDITIONAL STANDARD INSTRUCTIONS

O 02221

Org-2

000004

SDG # EQK01

Organic Sample Collection Requirements

"This form replaces both the individual Traffic Report and EPA Chain of Custody Record. If the sampling team elects to use an alternative chain-of-custody form, cross out the bottom portion of this record and indicate that chain-of-custody information is recorded on an alternative form."

Water Samples	Required Volume	Container Type
Extractable Analysis (Low Level)	1 Gallon	1 X 4-Liter Amber Glass Bottle OR 2 X 80-oz. Amber Glass Bottle OR 4 X 1-Liter Amber Glass Bottles
Extractable Analysis (Medium Level*)	1 Gallon	32-oz. Wide-Mouth Glass Jars
Volatile Analysis (Low or Medium Level*)	80 ml.	2 X 40-ml. Glass Vials

*All Medium and High Level Samples to be Sealed in Metal Can for Shipment

Soil/Sediment Samples	Required Volume	Container Type
Extractable Analysis (Low or Medium Level*)	6 oz.	1 X 8-oz. Wide-Mouth Glass Jar OR
	240 ml.	2 X 4-oz. Wide-Mouth Glass Jars
Volatile Analysis (Low or Medium Level*)		2 X 120 ml. Wide-Mouth Glass Vials†

†Soil VOA Vials under study, subject to change, check to ensure proper sealing.

HIGH CONCENTRATION SAMPLE COLLECTION REQUIREMENTS

Liquid or Solid Samples	Required Volume	Container Type
Extractable and Volatile Analysis	6 oz.	1 X 8-oz. Wide-Mouth Glass Jar

1. **Organic Sample Collection Requirements**
   - Please indicate sample to spike and/or duplicate.
   - Ship medium and high concentration samples in paint cans.
   - Aqueous samples require one triple-volume sample per twenty for Matrix Spike/Matrix Spike Duplicate.
   - Oily samples must be analyzed under the Special Analytical Services (SAS) program.
   - Confirmatory analysis and Special Analytical Services (SAS) parameters may require extra volume; for SAS consult specified SAS methods for requirements.
   - Additional sample volume not required for method OLC01.

2. **Cooler and Sample Documentation**
   - Complete all sections of the Traffic Report/Chain of Custody Form - Press firmly with a ball point pen to ensure that carbon copies are legible. Check the information and correct any errors.
   - Please remember to complete the Chain of Custody information on the form.
   - Seal the two sets of laboratory Traffic Report/Chain of Custody form copies in a plastic bag. Include a return address for the cooler. Tape bag under cooler lid.
   - Overlap the lid and bottle of each sample container with custody seals.
   - Seal each container in a plastic bag.
   - Pack medium and high concentration samples in metal cans.
   - Cool low waters to 4° C. Cooling of low soils is optional. Do not cool medium or high concentration waters and soils.
   - Separate and surround cooler contents with vermiculite or equivalent packaging.
   - Seal the cooler, overlapping the lid and body with custody seals.
   - FAX SMO a copy of the Traffic Report/Chain of Custody Form as soon as possible. Send SMO the pink copy of the Traffic Report within 5 days.
   - In column E RAS analysis indicate number of sample bottles sent for analysis.

3. **Sample Shipment Reporting**
   - PHONE IN ALL SHIPMENTS IMMEDIATELY TO SMO (or to RSCC, if instructed)
     Required information:
     - Case (and/or SAS) Number
     - Date shipped
     - Number of samples by concentration and matrix
     - Carrier and airbill number
     - Next planned shipment

     Leave your name and a number where you can be reached.
   - Information for SATURDAY DELIVERIES must be phoned in by 3:00 PM (Eastern) the preceding FRIDAY.
   - Report any delays or changes of scope (i.e., changes in number of samples to be collected, matrix changes, etc.)
   - CALL IF YOU HAVE ANY QUESTIONS

     USEPA Contract Laboratory Program
     Sample Management Office
     P.O. Box 818
     Alexandria, VA 22313
     Phone: (703) 557-2490
     (703) 684-5678
     FAX: (703) 683-0378

EPA

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

Organic Traffic Report & Chain of Custody Record

(For Organic CLP Analysis)

SAS No. (if applicable):
Case No.:

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. H_2SO_4
   5. Other (Specify)
   6. Ice only
   N. Not preserved

3. Region No.:
Sampling Co.:
5. Date Shipped:
Carrier:
7. Date Received -- Received by: 4-30-92 John Gruber
Sampler (Name):
Airbill Number:
Laboratory Contract Number: 68-D1-0085
Unit Price: $724.00
Sampler Signature:
6. Ship To: Universal/Aqtel Laboratories 4419 Shuffel Drive N.W. North Canton, OH 44720
ATTN: Denise Crisom
8. Transfer to:
Date Received:
Received by:
Contract Number:
Price:

4. Type of Activity

	Lead	Pre-Remedial	Remedial	Removal
SF	X		RIFS	CLEM
PRP		PA	RD	REMA
ST		SSI X	RA	REM
FED		LSI	O&M	OIL
			NPLD	UST

CLP Sample Numbers (from labels)	A Enter # From Box 1	B Conc. Low Med High	C Sample Type: Comp./ Grab	D Preservative from Box 6	E RAS Analysis VOA	BNA	Pest/ PCB	High ARO/ TOX	F Regional Specific Tracking Number or Tag Numbers	G Station Location Number	H Mo/Day/ Year/Time Sample Collection	I Sampler Initials	J Corresp. CLP Inorg. Samp. No.	K Sample Condition on Rec't	L High Conc. Phases (Check below) Solids	Water -- Mis Liq.	Non Water -- Mis Liq.
EQX26	2	L	G	1	X				5-046577-046582	MW-1	4/29/92 1025	RA	MSRA26				
EQX26	1	1	1	N		X			5-046583 5-046588	MW-1	4/29/92 1025	1	MSRA26				
EQX26	1	1	1	N			X		5-046589 5-046586	MW-1	4/29/92 1025	1	MSRA26				
EQX27	1	1	1	1	X				5-046591 5-046592	MW-1D	4/29/92 1025	1	MSRA27				
EQX27	1	1	1	N		X			5-046593 ~~5-046594~~	MW-1D	4/29/92 1025	1	MSRA27				
EQX27	1	1	1	N			X		5-046594	MW-1D	4/29/92 1025	1	MSRA27				
EQX28	1	1	1	1	X				5-046597 5-046598	FB-1	4/29/92 1100	1	MSRA28				
EQX28	1	1	1	N		X			5-046599	FB-1	4/29/92 1100	1	MSRA28				
EQX28	1	1	1	N			X		5-046600	FB-1	4/29/92 1100	1	MSRA28				
EQX29	↓	↓	↓	1	X				5-046603 5-046604	TB-1	4/29/92 900	1		SDG-FINAL SAMPLE			

Shipment for Case complete? (Y/N): Y
Page 1 of 1
Sample used for a spike and/or duplicate: EQX26
Additional Sampler Signatures:
Chain of Custody Seal Number: 157433, 157434

CHAIN OF CUSTODY RECORD

Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
	4/29/92 1515	Christopher P. Cassel	Christopher P. Cassel	4/29/92 1600	
Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
Relinquished by: (Signature)	Date / Time	Received for Laboratory by: (Signature)	Date / Time	Remarks Is custody seal intact? Y/N/none	
		John Gruber	4-30-92 1000		

Split Samples: ☐ Accepted (Signature) ☐ Declined

EPA Form 9110-2 (Rev. 5-91) Replaces EPA Form (2075-7), previous edition which may be used

DISTRIBUTION:
Blue - Region Copy Pink - SMO Copy White - Lab Copy for Return to Region Yellow - Lab Copy for Return to SMO

SEE REVERSE FOR ADDITIONAL STANDARD INSTRUCTIONS

Org-2

000005

SDG # EQK01

O 02241

Organic Sample Collection Requirements

"This form replaces both the individual Traffic Report and EPA Chain of Custody Record. If the sampling team elects to use an alternative chain-of-custody form, cross out the bottom portion of this record and indicate that chain-of-custody information is recorded on an alternative form."

Water Samples	Required Volume	Container Type
Extractable Analysis (Low Level)	1 Gallon	1 X 4-Liter Amber Glass Bottle OR 2 X 80-oz. Amber Glass Bottle OR 4 X 1-Liter Amber Glass Bottles
Extractable Analysis (Medium Level*)	1 Gallon	32-oz. Wide-Mouth Glass Jars
Volatile Analysis (Low or Medium Level*)	80 ml.	2 X 40-ml. Glass Vials

*All Medium and High Level Samples to be Sealed in Metal Can for Shipment

Soil/Sediment Samples	Required Volume	Container Type
Extractable Analysis (Low or Medium Level*)	6 oz.	1 X 8-oz. Wide-Mouth Glass Jar OR
	240 ml.	2 X 4-oz. Wide-Mouth Glass Jars
Volatile Analysis (Low or Medium Level*)		2 X 120 ml. Wide-Mouth Glass Vials†

†Soil VOA Vials under study, subject to change, check to ensure proper sealing.

HIGH CONCENTRATION SAMPLE COLLECTION REQUIREMENTS

Liquid or Solid Samples	Required Volume	Container Type
Extractable and Volatile Analysis	6 oz.	1 X 8-oz. Wide-Mouth Glass Jar

1. Organic Sample Collection Requirements
- Please indicate sample to spike and/or duplicate.
- Ship medium and high concentration samples in paint cans.
- Aqueous samples require one triple-volume sample per twenty for Matrix Spike/Matrix Spike Duplicate.
- Oily samples must be analyzed under the Special Analytical Services (SAS) program.
- Confirmatory analysis and Special Analytical Services (SAS) parameters may require extra volume; for SAS consult specified SAS methods for requirements.
- Additional sample volume not required for method OLC01.

2. Cooler and Sample Documentation
- Complete all sections of the Traffic Report/Chain of Custody Form - Press firmly with a ball point pen to ensure that carbon copies are legible. Check the information and correct any errors.
- Please remember to complete the Chain of Custody information on the form.
- Seal the two sets of laboratory Traffic Report/Chain of Custody form copies in a plastic bag. Include a return address for the cooler. Tape bag under cooler lid.
- Overlap the lid and bottle of each sample container with custody seals.
- Seal each container in a plastic bag.
- Pack medium and high concentration samples in metal cans.
- Cool low waters to 4° C. Cooling of low soils is optional. Do not cool medium or high concentration waters and soils.
- Separate and surround cooler contents with vermiculite or equivalent packaging.
- Seal the cooler, overlapping the lid and body with custody seals.
- FAX SMO a copy of the Traffic Report/Chain of Custody Form as soon as possible. Send SMO the pink copy of the Traffic Report within 5 days.
- In column E RAS analysis indicate number of sample bottles sent for analysis.

3. Sample Shipment Reporting
- PHONE IN ALL SHIPMENTS IMMEDIATELY TO SMO (or to RSCC, if instructed)
  Required information:
  - Case (and/or SAS) Number
  - Date shipped
  - Number of samples by concentration and matrix
  - Carrier and airbill number
  - Next planned shipment

  Leave your name and a number where you can be reached.
- Information for SATURDAY DELIVERIES must be phoned in by 3:00 PM (Eastern) the preceding FRIDAY.
- Report any delays or changes of scope (i.e., changes in number of samples to be collected, matrix changes, etc.)
- CALL IF YOU HAVE ANY QUESTIONS

  USEPA Contract Laboratory Program
  Sample Management Office
  P.O. Box 818
  Alexandria, VA 22313
  Phone: (703) 557-2490
  (703) 684-5678
  FAX: (703) 683-0378

2A
WATER VOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name:WADSWORTH/ALERT Contract:68-D1-0085

Lab Code:WADS Case No.:19026 SAS No.: SDG No.:EQK01

	EPA SAMPLE NO.	SMC1 (TOL)#	SMC2 (BFB)#	SMC3 (DCE)#	OTHER	TOT OUT
01	EQK26	102	92	92		0
02	EQK26MS	96	86	96		0
03	EQK26MSD	96	86	96		0
04	EQK27	98	92	92		0
05	EQK28	100	90	92		0
06	EQK29	98	90	92		0
07	VBLK2	102	94	94		0
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		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:WADSWORTH/ALERT Contract:68-D1-0085

Lab Code:WADS Case No.:19026 SAS No.: SDG No.:EQK01

Level:(low/med) LOW

	EPA SAMPLE NO.	SMC1 (TOL)#	SMC2 (BFB)#	SMC3 (DCE)#	OTHER	TOT OUT
01	EQK01	116	72	91		0
02	EQK02	112	79	96		0
03	EQK02MS	118	75	104		0
04	EQK02MSD	117	78	112		0
05	EQK03	115	72	92		0
06	EQK04	104	83	94		0
07	EQK05	104	81	91		0
08	EQK06	113	87	108		0
09	EQK07	106	83	95		0
10	EQK08	103	86	97		0
11	EQK09	103	84	97		0
12	EQK10	103	82	98		0
13	EQK11	101	83	94		0
14	VBLK3	102	90	100		0
15	VBLK4	108	92	116		0
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	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:WADSWORTH/ALERT Contract:68-D1-0085

Lab Code:WADS Case No.:19026 SAS No.: SDG No.:EQK01

Matrix Spike - EPA Sample No.: EQK26

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC #	QC. LIMITS REC.
1,1-Dichloroethene	50.	0.	48.	96	61-145
Trichloroethene	50.	0.	54.	108	71-120
Benzene	50.	0.	52.	104	76-127
Toluene	50.	0.	52.	104	76-125
Chlorobenzene	50.	0.	53.	106	75-130

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
1,1-Dichloroethene	50.	47.	94	2	14	61-145
Trichloroethene	50.	53.	106	2	14	71-120
Benzene	50.	49.	98	6	11	76-127
Toluene	50.	49.	98	6	13	76-125
Chlorobenzene	50.	50.	100	6	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:

3B

SOIL VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name:WADSWORTH/ALERT Contract:68-D1-0085

Lab Code:WADS Case No.:19026 SAS No.: SDG No.:EQK01

Matrix Spike - EPA Sample No.: EQK02 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	62.	0.	65.	105	59-172
Trichloroethene	62.	0.	51.	82	62-137
Benzene	62.	0.	60.	97	66-142
Toluene	62.	4.	65.	98	59-139
Chlorobenzene	62.	0.	54.	87	60-133

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
1,1-Dichloroethene	62.	86.	139	28*	22	59-172
Trichloroethene	62.	63.	102	22	24	62-137
Benzene	62.	68.	110	13	21	66-142
Toluene	62.	76.	116	17	21	59-139
Chlorobenzene	62.	66.	106	20	21	60-133

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

* Values outside of QC limits

RPD: 1 out of 5 outside limits
Spike Recovery: 0 out of 10 outside limits

COMMENTS:

4A

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VBLK2

Lab Name:WADSWORTH/ALERT Contract:68-D1-0085

Lab Code:WADS Case No.:19026 SAS No.: SDG No.:EQK01

Lab File ID:VOL2521 Lab Sample ID:VBLK2

Date Analyzed: 5/01/92 Time Analyzed:2125

GC Column:DB624 ID: 0.53 (mm) Heated Purge: (Y/N) N

Instrument ID:INCOS50-2

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

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	EQK26	60304102	VOL2532	0333
02	EQK26MS	60304102	VOL2533	0406
03	EQK26MSD	60304102MSD	VOL2534	0439
04	EQK27	60305102	VOL2535	0511
05	EQK28	60306102	VOL2536	0544
06	EQK29	60307101	VOL2537	0616
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COMMENTS:

4A

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VBLK3

Lab Name:WADSWORTH/ALERT Contract:68-D1-0085

Lab Code:WADS Case No.:19026 SAS No.: SDG No.:EQK01

Lab File ID:VOI3323 Lab Sample ID:VBLK3

Date Analyzed: 5/01/92 Time Analyzed:1017

GC Column:RTX502.2 ID: 0.53 (mm) Heated Purge: (Y/N) Y

Instrument ID:INCOS50-1

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

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	EQK01	60014103	VOI3326	1220
02	EQK02	60020103	VOI3332	1626
03	EQK03	60021101	VOI3333	1707
04	EQK04	60015101	VOI3327	1301
05	EQK05	60022101	VOI3334	1758
06	EQK07	60024101	VOI3336	1919
07	EQK08	60016103	VOI3328	1342
08	EQK09	60017103	VOI3329	1423
09	EQK10	60018101	VOI3330	1504
10	EQK11	60019101	VOI3331	1545
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COMMENTS:

4A

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VBLK4

Lab Name:WADSWORTH/ALERT Contract:68-D1-0085

Lab Code:WADS Case No.:19026 SAS No.: SDG No.:EQK01

Lab File ID:VOI3340 Lab Sample ID:VBLK4

Date Analyzed: 5/04/92 Time Analyzed:1032

GC Column:RTX502.2 ID: 0.53 (mm) Heated Purge: (Y/N) Y

Instrument ID:INCOS50-1

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

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	EQK02MS	60020103	VOI3348	1555
02	EQK02MSD	60020103	VOI3342	1153
03	EQK06	60023101	VOI3343	1234
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COMMENTS:

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLK2

Lab Name:WADSWORTH/ALERT Contract:68-D1-0085

Lab Code:WADS Case No.:19026 SAS No.: SDG No.:EQK01

Matrix: (soil/water) WATER Lab Sample ID:VBLK2

Sample wt/vol: 5.00 (g/ml) ML Lab File ID: VOL2521

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

% Moisture: not dec. Date Analyzed: 5/01/92

GC Column:DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:0 (uL) Soil Aliquot Volume:0 (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	10.	U
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	4.	J
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

000196

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

VBLK2

Lab Name:WADSWORTH/ALERT Contract:68-D1-0085

Lab Code:WADS Case No.:19026 SAS No.: SDG No.:EQK01

Matrix: (soil/water) WATER Lab Sample ID:VBLK2

Sample wt/vol: 5.00 (g/ml) ML Lab File ID: VOL2521

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

% Moisture: not dec. Date Analyzed: 5/01/92

GC Column:DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:0 (uL) Soil Aliquot Volume:0 (uL)

Number TICs Found: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLK3

Lab Name:WADSWORTH/ALERT Contract:68-D1-0085

Lab Code:WADS Case No.:19026 SAS No.: SDG No.:EQK01

Matrix: (soil/water) SOIL Lab Sample ID:VBLK3

Sample wt/vol: 5.00 (g/ml) G Lab File ID: VOI3323

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

% Moisture: not dec. 0 Date Analyzed: 5/01/92

GC Column:RTX502.2 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:0 (uL) Soil Aliquot Volume:0 (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	10.	U
74-83-9	Bromomethane	10.	U
75-01-4	Vinyl Chloride	10.	U
75-00-3	Chloroethane	10.	U
75-09-2	Methylene Chloride	10.	U
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

000203

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

VBLK3

Lab Name:WADSWORTH/ALERT Contract:68-D1-0085

Lab Code:WADS Case No.:19026 SAS No.: SDG No.:EQK01

Matrix: (soil/water) SOIL Lab Sample ID:VBLK3

Sample wt/vol: 5.00 (g/ml) G Lab File ID: VOI3323

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

% Moisture: not dec. 0 Date Analyzed: 5/01/92

GC Column:RTX502.2 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:0 (uL) Soil Aliquot Volume:0 (uL)

Number TICs Found: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLK4

Lab Name:WADSWORTH/ALERT Contract:68-D1-0085

Lab Code:WADS Case No.:19026 SAS No.: SDG No.:EQK01

Matrix: (soil/water) SOIL Lab Sample ID:VBLK4

Sample wt/vol: 5.00 (g/ml) G Lab File ID: VOI3340

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

% Moisture: not dec. 0 Date Analyzed: 5/04/92

GC Column:RTX502.2 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:0 (uL) Soil Aliquot Volume:0 (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	10.	U
74-83-9	Bromomethane	10.	U
75-01-4	Vinyl Chloride	10.	U
75-00-3	Chloroethane	10.	U
75-09-2	Methylene Chloride	10.	U
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

000208

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

VBLK4

Lab Name:WADSWORTH/ALERT Contract:68-D1-0085

Lab Code:WADS Case No.:19026 SAS No.: SDG No.:EQK01

Matrix: (soil/water) SOIL Lab Sample ID:VBLK4

Sample wt/vol: 5.00 (g/ml) G Lab File ID: VOI3340

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

% Moisture: not dec. 0 Date Analyzed: 5/04/92

GC Column:RTX502.2 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:0 (uL) Soil Aliquot Volume:0 (uL)

Number TICs Found: 0

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EQK01

Lab Name:WADSWORTH/ALERT Contract:68-D1-0085

Lab Code:WADS Case No.:19026 SAS No.: SDG No.:EQK01

Matrix: (soil/water) SOIL Lab Sample ID:60014103

Sample wt/vol: 5.00 (g/ml) G Lab File ID: VOI3326

Level: (low/med) LOW Date Received: 4/29/92

% Moisture: not dec. 32 Date Analyzed: 5/01/92

GC Column:RTX502.2 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:0 (uL) Soil Aliquot Volume:0 (uL)

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

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

EQK01

Lab Name:WADSWORTH/ALERT Contract:68-D1-0085

Lab Code:WADS Case No.:19026 SAS No.: SDG No.:EQK01

Matrix: (soil/water) SOIL Lab Sample ID:60014103

Sample wt/vol: 5.00 (g/ml) G Lab File ID: VOI3326

Level: (low/med) LOW Date Received: 4/29/92

% Moisture: not dec. 32 Date Analyzed: 5/01/92

GC Column:RTX502.2 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:0 (uL) Soil Aliquot Volume:0 (uL)

Number TICs Found: 2

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	22.55	33.	J
2.	UNKNOWN	23.21	25.	J
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EQK02

Lab Name:WADSWORTH/ALERT Contract:68-D1-0085

Lab Code:WADS Case No.:19026 SAS No.: SDG No.:EQK01

Matrix: (soil/water) SOIL Lab Sample ID:60020103

Sample wt/vol: 5.00 (g/ml) G Lab File ID: VOI3332

Level: (low/med) LOW Date Received: 4/29/92

% Moisture: not dec. 19 Date Analyzed: 5/01/92

GC Column:RTX502.2 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:0 (uL) Soil Aliquot Volume:0 (uL)

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

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

EQK02

Lab Name:WADSWORTH/ALERT Contract:68-D1-0085

Lab Code:WADS Case No.:19026 SAS No.: SDG No.:EQK01

Matrix: (soil/water) SOIL Lab Sample ID:60020103

Sample wt/vol: 5.00 (g/ml) G Lab File ID: VOI3332

Level: (low/med) LOW Date Received: 4/29/92

% Moisture: not dec. 19 Date Analyzed: 5/01/92

GC Column:RTX502.2 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:0 (uL) Soil Aliquot Volume:0 (uL)

Number TICs Found: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EQK03

Lab Name:WADSWORTH/ALERT Contract:68-D1-0085

Lab Code:WADS Case No.:19026 SAS No.: SDG No.:EQK01

Matrix: (soil/water) SOIL Lab Sample ID:60021101

Sample wt/vol: 5.00 (g/ml) G Lab File ID: VOI3333

Level: (low/med) LOW Date Received: 4/29/92

% Moisture: not dec. 33 Date Analyzed: 5/01/92

GC Column:RTX502.2 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:0 (uL) Soil Aliquot Volume:0 (uL)

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

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

EQK03

Lab Name:WADSWORTH/ALERT Contract:68-D1-0085

Lab Code:WADS Case No.:19026 SAS No.: SDG No.:EQK01

Matrix: (soil/water) SOIL Lab Sample ID:60021101

Sample wt/vol: 5.00 (g/ml) G Lab File ID: VOI3333

Level: (low/med) LOW Date Received: 4/29/92

% Moisture: not dec. 33 Date Analyzed: 5/01/92

GC Column:RTX502.2 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:0 (uL) Soil Aliquot Volume:0 (uL)

Number TICs Found: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EQK04

Lab Name:WADSWORTH/ALERT Contract:68-D1-0085

Lab Code:WADS Case No.:19026 SAS No.: SDG No.:EQK01

Matrix: (soil/water) SOIL Lab Sample ID:60015101

Sample wt/vol: 5.00 (g/ml) G Lab File ID: VOI3327

Level: (low/med) LOW Date Received: 4/29/92

% Moisture: not dec. 4 Date Analyzed: 5/01/92

GC Column:RTX502.2 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:0 (uL) Soil Aliquot Volume:0 (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	10.	U
74-83-9	Bromomethane	10.	U
75-01-4	Vinyl Chloride	10.	U
75-00-3	Chloroethane	10.	U
75-09-2	Methylene Chloride	10.	U
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

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

EQK04

Lab Name:WADSWORTH/ALERT Contract:68-D1-0085

Lab Code:WADS Case No.:19026 SAS No.: SDG No.:EQK01

Matrix: (soil/water) SOIL Lab Sample ID:60015101

Sample wt/vol: 5.00 (g/ml) G Lab File ID: VOI3327

Level: (low/med) LOW Date Received: 4/29/92

% Moisture: not dec. 4 Date Analyzed: 5/01/92

GC Column:RTX502.2 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:0 (uL) Soil Aliquot Volume:0 (uL)

Number TICs Found: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.				
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EQK05

Lab Name:WADSWORTH/ALERT Contract:68-D1-0085

Lab Code:WADS Case No.:19026 SAS No.: SDG No.:EQK01

Matrix: (soil/water) SOIL Lab Sample ID:60022101

Sample wt/vol: 5.00 (g/ml) G Lab File ID: VOI3334

Level: (low/med) LOW Date Received: 4/29/92

% Moisture: not dec. 38 Date Analyzed: 5/01/92

GC Column:RTX502.2 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:0 (uL) Soil Aliquot Volume:0 (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
75-09-2	Methylene Chloride	16.	U
67-64-1	Acetone	19.	
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

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

EQK05

Lab Name:WADSWORTH/ALERT Contract:68-D1-0085

Lab Code:WADS Case No.:19026 SAS No.: SDG No.:EQK01

Matrix: (soil/water) SOIL Lab Sample ID:60022101

Sample wt/vol: 5.00 (g/ml) G Lab File ID: VOI3334

Level: (low/med) LOW Date Received: 4/29/92

% Moisture: not dec. 38 Date Analyzed: 5/01/92

GC Column:RTX502.2 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:0 (uL) Soil Aliquot Volume:0 (uL)

Number TICs Found: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EQK06

Lab Name:WADSWORTH/ALERT Contract:68-D1-0085

Lab Code:WADS Case No.:19026 SAS No.: SDG No.:EQK01

Matrix: (soil/water) SOIL Lab Sample ID:60023101

Sample wt/vol: 5.00 (g/ml) G Lab File ID: VOI3343

Level: (low/med) LOW Date Received: 4/29/92

% Moisture: not dec. 42 Date Analyzed: 5/04/92

GC Column:RTX502.2 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:0 (uL) Soil Aliquot Volume:0 (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	17.	U
74-83-9	Bromomethane	17.	U
75-01-4	Vinyl Chloride	17.	U
75-00-3	Chloroethane	17.	U
75-09-2	Methylene Chloride	17.	U
67-64-1	Acetone	110.	
75-15-0	Carbon Disulfide	17.	U
75-35-4	1,1-Dichloroethene	17.	U
75-34-3	1,1-Dichloroethane	17.	U
540-59-0	1,2-Dichloroethene (total)	17.	U
67-66-3	Chloroform	17.	U
107-06-2	1,2-Dichloroethane	17.	U
78-93-3	2-Butanone	17.	U
71-55-6	1,1,1-Trichloroethane	17.	U
56-23-5	Carbon Tetrachloride	17.	U
75-27-4	Bromodichloromethane	17.	U
78-87-5	1,2-Dichloropropane	17.	U
10061-01-5	cis-1,3-Dichloropropene	17.	U
79-01-6	Trichloroethene	17.	U
124-48-1	Dibromochloromethane	17.	U
79-00-5	1,1,2-Trichloroethane	17.	U
71-43-2	Benzene	17.	U
10061-02-6	trans-1,3-Dichloropropene	17.	U
75-25-2	Bromoform	17.	U
108-10-1	4-Methyl-2-Pentanone	17.	U
591-78-6	2-Hexanone	17.	U
127-18-4	Tetrachloroethene	17.	U
79-34-5	1,1,2,2-Tetrachloroethane	17.	U
108-88-3	Toluene	5.	J
108-90-7	Chlorobenzene	17.	U
100-41-4	Ethylbenzene	17.	U
100-42-5	Styrene	17.	U
1330-20-7	Xylene (total)	17.	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

EQK06

Lab Name:WADSWORTH/ALERT Contract:68-D1-0085

Lab Code:WADS Case No.:19026 SAS No.: SDG No.:EQK01

Matrix: (soil/water) SOIL Lab Sample ID:60023101

Sample wt/vol: 5.00 (g/ml) G Lab File ID: VOI3343

Level: (low/med) LOW Date Received: 4/29/92

% Moisture: not dec. 42 Date Analyzed: 5/04/92

GC Column:RTX502.2 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:0 (uL) Soil Aliquot Volume:0 (uL)

Number TICs Found: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EQK07

Lab Name:WADSWORTH/ALERT Contract:68-D1-0085

Lab Code:WADS Case No.:19026 SAS No.: SDG No.:EQK01

Matrix: (soil/water) SOIL Lab Sample ID:60024101

Sample wt/vol: 5.00 (g/ml) G Lab File ID: VOI3336

Level: (low/med) LOW Date Received: 4/29/92

% Moisture: not dec. 46 Date Analyzed: 5/01/92

GC Column:RTX502.2 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:0 (uL) Soil Aliquot Volume:0 (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	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	19.	U
67-64-1	Acetone	82.	
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

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

EQK07

Lab Name:WADSWORTH/ALERT Contract:68-D1-0085

Lab Code:WADS Case No.:19026 SAS No.: SDG No.:EQK01

Matrix: (soil/water) SOIL Lab Sample ID:60024101

Sample wt/vol: 5.00 (g/ml) G Lab File ID: VOI3336

Level: (low/med) LOW Date Received: 4/29/92

% Moisture: not dec. 46 Date Analyzed: 5/01/92

GC Column:RTX502.2 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:0 (uL) Soil Aliquot Volume:0 (uL)

Number TICs Found: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EQK08

Lab Name:WADSWORTH/ALERT Contract:68-D1-0085

Lab Code:WADS Case No.:19026 SAS No.: SDG No.:EQK01

Matrix: (soil/water) SOIL Lab Sample ID:60016103

Sample wt/vol: 5.00 (g/ml) G Lab File ID: VOI3328

Level: (low/med) LOW Date Received: 4/29/92

% Moisture: not dec. 53 Date Analyzed: 5/01/92

GC Column:RTX502.2 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:0 (uL) Soil Aliquot Volume:0 (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	21.	U
74-83-9	Bromomethane	21.	U
75-01-4	Vinyl Chloride	21.	U
75-00-3	Chloroethane	21.	U
75-09-2	Methylene Chloride	21.	U
67-64-1	Acetone	30.	
75-15-0	Carbon Disulfide	21.	U
75-35-4	1,1-Dichloroethene	21.	U
75-34-3	1,1-Dichloroethane	21.	U
540-59-0	1,2-Dichloroethene (total)	21.	U
67-66-3	Chloroform	21.	U
107-06-2	1,2-Dichloroethane	21.	U
78-93-3	2-Butanone	21.	U
71-55-6	1,1,1-Trichloroethane	21.	U
56-23-5	Carbon Tetrachloride	21.	U
75-27-4	Bromodichloromethane	21.	U
78-87-5	1,2-Dichloropropane	21.	U
10061-01-5	cis-1,3-Dichloropropene	21.	U
79-01-6	Trichloroethene	21.	U
124-48-1	Dibromochloromethane	21.	U
79-00-5	1,1,2-Trichloroethane	21.	U
71-43-2	Benzene	21.	U
10061-02-6	trans-1,3-Dichloropropene	21.	U
75-25-2	Bromoform	21.	U
108-10-1	4-Methyl-2-Pentanone	21.	U
591-78-6	2-Hexanone	21.	U
127-18-4	Tetrachloroethene	21.	U
79-34-5	1,1,2,2-Tetrachloroethane	21.	U
108-88-3	Toluene	21.	U
108-90-7	Chlorobenzene	21.	U
100-41-4	Ethylbenzene	21.	U
100-42-5	Styrene	21.	U
1330-20-7	Xylene (total)	21.	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

EQK08

Lab Name:WADSWORTH/ALERT Contract:68-D1-0085

Lab Code:WADS Case No.:19026 SAS No.: SDG No.:EQK01

Matrix: (soil/water) SOIL Lab Sample ID:60016103

Sample wt/vol: 5.00 (g/ml) G Lab File ID: VOI3328

Level: (low/med) LOW Date Received: 4/29/92

% Moisture: not dec. 53 Date Analyzed: 5/01/92

GC Column:RTX502.2 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:0 (uL) Soil Aliquot Volume:0 (uL)

Number TICs Found: 0

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EQK09

Lab Name:WADSWORTH/ALERT Contract:68-D1-0085

Lab Code:WADS Case No.:19026 SAS No.: SDG No.:EQK01

Matrix: (soil/water) SOIL Lab Sample ID:60017103

Sample wt/vol: 5.00 (g/ml) G Lab File ID: VOI3329

Level: (low/med) LOW Date Received: 4/29/92

% Moisture: not dec. 64 Date Analyzed: 5/01/92

GC Column:RTX502.2 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:0 (uL) Soil Aliquot Volume:0 (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	28.	U
74-83-9	Bromomethane	28.	U
75-01-4	Vinyl Chloride	28.	U
75-00-3	Chloroethane	28.	U
75-09-2	Methylene Chloride	28.	U
67-64-1	Acetone	72.	
75-15-0	Carbon Disulfide	28.	U
75-35-4	1,1-Dichloroethene	28.	U
75-34-3	1,1-Dichloroethane	28.	U
540-59-0	1,2-Dichloroethene (total)	28.	U
67-66-3	Chloroform	28.	U
107-06-2	1,2-Dichloroethane	28.	U
78-93-3	2-Butanone	28.	U
71-55-6	1,1,1-Trichloroethane	28.	U
56-23-5	Carbon Tetrachloride	28.	U
75-27-4	Bromodichloromethane	28.	U
78-87-5	1,2-Dichloropropane	28.	U
10061-01-5	cis-1,3-Dichloropropene	28.	U
79-01-6	Trichloroethene	28.	U
124-48-1	Dibromochloromethane	28.	U
79-00-5	1,1,2-Trichloroethane	28.	U
71-43-2	Benzene	28.	U
10061-02-6	trans-1,3-Dichloropropene	28.	U
75-25-2	Bromoform	28.	U
108-10-1	4-Methyl-2-Pentanone	28.	U
591-78-6	2-Hexanone	28.	U
127-18-4	Tetrachloroethene	28.	U
79-34-5	1,1,2,2-Tetrachloroethane	28.	U
108-88-3	Toluene	28.	U
108-90-7	Chlorobenzene	28.	U
100-41-4	Ethylbenzene	28.	U
100-42-5	Styrene	28.	U
1330-20-7	Xylene (total)	28.	U

000087

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

EQK09

Lab Name:WADSWORTH/ALERT Contract:68-D1-0085

Lab Code:WADS Case No.:19026 SAS No.: SDG No.:EQK01

Matrix: (soil/water) SOIL Lab Sample ID:60017103

Sample wt/vol: 5.00 (g/ml) G Lab File ID: VOI3329

Level: (low/med) LOW Date Received: 4/29/92

% Moisture: not dec. 64 Date Analyzed: 5/01/92

GC Column:RTX502.2 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:0 (uL) Soil Aliquot Volume:0 (uL)

Number TICs Found: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EQK10

Lab Name:WADSWORTH/ALERT Contract:68-D1-0085

Lab Code:WADS Case No.:19026 SAS No.: SDG No.:EQK01

Matrix: (soil/water) SOIL Lab Sample ID:60018101

Sample wt/vol: 5.00 (g/ml) G Lab File ID: VOI3330

Level: (low/med) LOW Date Received: 4/29/92

% Moisture: not dec. 47 Date Analyzed: 5/01/92

GC Column:RTX502.2 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:0 (uL) Soil Aliquot Volume:0 (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	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	19.	U
67-64-1	Acetone	34.	
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

000094

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

EQK10

Lab Name:WADSWORTH/ALERT Contract:68-D1-0085

Lab Code:WADS Case No.:19026 SAS No.: SDG No.:EQK01

Matrix: (soil/water) SOIL Lab Sample ID:60018101

Sample wt/vol: 5.00 (g/ml) G Lab File ID: VOI3330

Level: (low/med) LOW Date Received: 4/29/92

% Moisture: not dec. 47 Date Analyzed: 5/01/92

GC Column:RTX502.2 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:0 (uL) Soil Aliquot Volume:0 (uL)

Number TICs Found: 0

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EQK11

Lab Name:WADSWORTH/ALERT Contract:68-D1-0085

Lab Code:WADS Case No.:19026 SAS No.: SDG No.:EQK01

Matrix: (soil/water) SOIL Lab Sample ID:60019101

Sample wt/vol: 5.00 (g/ml) G Lab File ID: VOI3331

Level: (low/med) LOW Date Received: 4/29/92

% Moisture: not dec. 23 Date Analyzed: 5/01/92

GC Column:RTX502.2 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:0 (uL) Soil Aliquot Volume:0 (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	13.	U
74-83-9	Bromomethane	13.	U
75-01-4	Vinyl Chloride	13.	U
75-00-3	Chloroethane	13.	U
75-09-2	Methylene Chloride	13.	U
67-64-1	Acetone	13.	U
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

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

EQK11

Lab Name:WADSWORTH/ALERT Contract:68-D1-0085

Lab Code:WADS Case No.:19026 SAS No.: SDG No.:EQK01

Matrix: (soil/water) SOIL Lab Sample ID:60019101

Sample wt/vol: 5.00 (g/ml) G Lab File ID: VOI3331

Level: (low/med) LOW Date Received: 4/29/92

% Moisture: not dec. 23 Date Analyzed: 5/01/92

GC Column:RTX502.2 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:0 (uL) Soil Aliquot Volume:0 (uL)

Number TICs Found: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.				
2.				
3.				
4.				
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EQK26

Lab Name:WADSWORTH/ALERT Contract:68-D1-0085

Lab Code:WADS Case No.:19026 SAS No.: SDG No.:EQK01

Matrix: (soil/water) WATER Lab Sample ID:60304102

Sample wt/vol: 5.00 (g/ml) ML Lab File ID: VOL2532

Level: (low/med) LOW Date Received: 4/30/92

% Moisture: not dec. Date Analyzed: 5/02/92

GC Column:DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:0 (uL) Soil Aliquot Volume:0 (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	10.	U
67-64-1	Acetone	10.	
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

000107

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

EQK26

Lab Name:WADSWORTH/ALERT Contract:68-D1-0085

Lab Code:WADS Case No.:19026 SAS No.: SDG No.:EQK01

Matrix: (soil/water) WATER Lab Sample ID:60304102

Sample wt/vol: 5.00 (g/ml) ML Lab File ID: VOL2532

Level: (low/med) LOW Date Received: 4/30/92

% Moisture: not dec. Date Analyzed: 5/02/92

GC Column:DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:0 (uL) Soil Aliquot Volume:0 (uL)

Number TICs Found: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EQK27

Lab Name:WADSWORTH/ALERT Contract:68-D1-0085

Lab Code:WADS Case No.:19026 SAS No.: SDG No.:EQK01

Matrix: (soil/water) WATER Lab Sample ID:60305102

Sample wt/vol: 5.00 (g/ml) ML Lab File ID: VOL2535

Level: (low/med) LOW Date Received: 4/30/92

% Moisture: not dec. Date Analyzed: 5/02/92

GC Column:DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:0 (uL) Soil Aliquot Volume:0 (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	10.	U
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

000114

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

EQK27

Lab Name:WADSWORTH/ALERT Contract:68-D1-0085

Lab Code:WADS Case No.:19026 SAS No.: SDG No.:EQK01

Matrix: (soil/water) WATER Lab Sample ID:60305102

Sample wt/vol: 5.00 (g/ml) ML Lab File ID: VOL2535

Level: (low/med) LOW Date Received: 4/30/92

% Moisture: not dec. Date Analyzed: 5/02/92

GC Column:DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:0 (uL) Soil Aliquot Volume:0 (uL)

Number TICs Found: 0

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
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1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EQK28

Lab Name:WADSWORTH/ALERT Contract:68-D1-0085

Lab Code:WADS Case No.:19026 SAS No.: SDG No.:EQK01

Matrix: (soil/water) WATER Lab Sample ID:60306102

Sample wt/vol: 5.00 (g/ml) ML Lab File ID: VOL2536

Level: (low/med) LOW Date Received: 4/30/92

% Moisture: not dec. Date Analyzed: 5/02/92

GC Column:DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:0 (uL) Soil Aliquot Volume:0 (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	10.	U
67-64-1	Acetone	9.	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

000121

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

EQK28

Lab Name:WADSWORTH/ALERT Contract:68-D1-0085

Lab Code:WADS Case No.:19026 SAS No.: SDG No.:EQK01

Matrix: (soil/water) WATER Lab Sample ID:60306102

Sample wt/vol: 5.00 (g/ml) ML Lab File ID: VOL2536

Level: (low/med) LOW Date Received: 4/30/92

% Moisture: not dec. Date Analyzed: 5/02/92

GC Column:DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:0 (uL) Soil Aliquot Volume:0 (uL)

Number TICs Found: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EQK29

Lab Name:WADSWORTH/ALERT Contract:68-D1-0085

Lab Code:WADS Case No.:19026 SAS No.: SDG No.:EQK01

Matrix: (soil/water) WATER Lab Sample ID:60307101

Sample wt/vol: 5.00 (g/ml) ML Lab File ID: VOL2537

Level: (low/med) LOW Date Received: 4/30/92

% Moisture: not dec. Date Analyzed: 5/02/92

GC Column:DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:0 (uL) Soil Aliquot Volume:0 (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	10.	U
67-64-1	Acetone	12.	
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	31.	
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

000128

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

EQK29

Lab Name:WADSWORTH/ALERT Contract:68-D1-0085

Lab Code:WADS Case No.:19026 SAS No.: SDG No.:EQK01

Matrix: (soil/water) WATER Lab Sample ID:60307101

Sample wt/vol: 5.00 (g/ml) ML Lab File ID: VOL2537

Level: (low/med) LOW Date Received: 4/30/92

% Moisture: not dec. Date Analyzed: 5/02/92

GC Column:DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:0 (uL) Soil Aliquot Volume:0 (uL)

Number TICs Found: 0

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
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2C
WATER SEMIVOLATILE SURROGATE RECOVERY

Lab Name:WADSWORTH/ALERT Contract:68-D1-0085

Lab Code:WADS Case No.:19026 SAS No.: SDG No.:EQK01

TT 5/29/92

	EPA SAMPLE NO.	S1 ~~SMC1~~ (NBZ)#	S2 ~~SMC2~~ (FBP)#	S3 ~~SMC3~~ (TPH)#	S4 ~~SMC4~~ (PHL)#	S5 ~~SMC5~~ (2FP)#	S6 ~~SMC6~~ (TBP)#	S7 ~~SMC7~~ (2CP)#	S8 ~~SMC8~~ (DCB)#	TOT OUT
01	EQK26	88.0	84.0	138.0	79.0	76.0	116.0	92.0	72.0	0
02	EQK26MS	82.0	82.0	95.0	75.0	71.0	116.0	85.0	75.0	0
03	EQK26MSD	86.0	88.0	122.0	81.0	77.0	127.0*	91.0	79.0	1
04	EQK27	82.0	85.0	107.0	73.0	68.0	122.0	88.0	76.0	0
05	EQK28	79.0	76.0	110.0	72.0	68.0	113.0	84.0	70.0	0
06	SBLK1	80.0	74.0	100.0	76.0	72.0	106.0	86.0	63.0	0
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		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 System Monitoring Compound diluted out

000229

2D
SOIL SEMIVOLATILE SURROGATE RECOVERY

Lab Name:WADSWORTH/ALERT Contract:68-D1-0085

Lab Code:WADS Case No.:19026 SAS No.: SDG No.:EQK01

Level:(low/med) LOW

TT 5/29/92

	EPA SAMPLE NO.	S1 ~~SMC1~~ (NBZ)#	S2 ~~SMC2~~ (FBP)#	S3 ~~SMC3~~ (TPH)#	S4 ~~SMC4~~ (PHL)#	S5 ~~SMC5~~ (2FP)#	S6 ~~SMC6~~ (TBP)#	S7 ~~SMC7~~ (2CP)#	S8 ~~SMC8~~ (DCB)#	TOT OUT
01	EQK01	77.0	77.0	97.0	55.0	39.0	2.0*	59.0	43.0	1
02	EQK02	76.0	78.0	81.0	66.0	64.0	116.0	75.0	69.0	0
03	EQK02MS	61.0	64.0	73.0	56.0	50.0	103.0	61.0	56.0	0
04	EQK02MSD	63.0	68.0	77.0	54.0	48.0	107.0	60.0	52.0	0
05	EQK08	62.0	68.0	66.0	46.0	14.0*	0.0*	28.0	60.0	2
06	EQK08RE	69.0	79.0	61.0	60.0	36.0	2.0*	58.0	65.0	1
07	~~EQK08RERE~~	~~72.0~~	~~74.0~~	~~81.0~~	~~67.0~~	~~37.0~~	~~2.0*~~	~~59.0~~	~~66.0~~	~~1~~
08	EQK09	54.0	60.0	63.0	45.0	20.0*	0.0*	36.0	52.0	2
09	SBLK2	84.0	85.0	115.0	79.0	74.0	115.0	91.0	82.0	0
10	SBLK3	66.0	70.0	83.0	66.0	61.0	95.0	75.0	71.0	0
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R6 6/3/92

		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 System Monitoring Compound diluted out

000230

3C

WATER SEMIVOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name:WADSWORTH/ALERT Contract:68-D1-0085

Lab Code:WADS Case No.:19026 SAS No.: SDG No.:EQK01

Matrix Spike - EPA Sample No.: EQK26

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC #	QC. LIMITS REC.
Phenol	75.00	0.000	51.000	68	12- 89
2-Chlorophenol	75.00	0.000	53.000	71	27-123
1,4-Dichlorobenzene	50.00	0.000	34.000	68	36- 97
N-Nitroso-di-n-prop.(1)	50.00	0.000	38.000	76	41-116
1,2,4-Trichlorobenzene	50.00	0.000	37.000	74	39- 98
4-Chloro-3-methylphenol	75.00	0.000	58.000	77	23- 97
Acenaphthene	50.00	0.000	42.000	84	46-118
4-Nitrophenol	75.00	0.000	77.000	103*	10- 80
2,4-Dinitrotoluene	50.00	0.000	48.000	96	24- 96
Pentachlorophenol	50.00	0.000	82.000	164*	9-103
Pyrene	75.00	0.000	54.000	72	26-127

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Phenol	75.00	56.000	75	10	42	12- 89
2-Chlorophenol	75.00	55.000	73	3	40	27-123
1,4-Dichlorobenzene	50.00	37.000	74	8	28	36- 97
N-Nitroso-di-n-prop.(1)	50.00	40.000	80	5	38	41-116
1,2,4-Trichlorobenzene	50.00	39.000	78	5	28	39- 98
4-Chloro-3-methylphenol	75.00	61.000	81	5	42	23- 97
Acenaphthene	50.00	43.000	86	2	31	46-118
4-Nitrophenol	75.00	80.000	107*	4	50	10- 80
2,4-Dinitrotoluene	50.00	53.000	106*	10	38	24- 96
Pentachlorophenol	50.00	83.000	166*	1	50	9-103
Pyrene	75.00	57.000	76	5	31	26-127

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

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

RPD: 0 out of 11 outside limits
Spike Recovery: 5 out of 22 outside limits

COMMENTS:

000231

3D
SOIL SEMIVOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name:WADSWORTH/ALERT Contract:68-D1-0085

Lab Code:WADS Case No.:19026 SAS No.: SDG No.:EQK01

Matrix Spike - EPA Sample No.: EQK02 Level:(low/med) LOW

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC #	QC. LIMITS REC.
Phenol	3100.00	0.000	1600.000	52	26- 90
2-Chlorophenol	3100.00	0.000	1600.000	52	25-102
1,4-Dichlorobenzene	2100.00	0.000	970.000	46	28-104
N-Nitroso-di-n-prop.(1)	2100.00	0.000	1200.000	57	41-126
1,2,4-Trichlorobenzene	2100.00	0.000	1200.000	57	38-107
4-Chloro-3-methylphenol	3100.00	0.000	2100.000	68	26-103
Acenaphthene	2100.00	0.000	1300.000	62	31-137
4-Nitrophenol	3100.00	0.000	3300.000	106	11-114
2,4-Dinitrotoluene	2100.00	0.000	1700.000	81	28- 89
Pentachlorophenol	3100.00	0.000	3000.000	97	17-109
Pyrene	2100.00	24.000	1300.000	61	35-142

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Phenol	3100.00	1500.000	48	8	35	26- 90
2-Chlorophenol	3100.00	1500.000	48	8	50	25-102
1,4-Dichlorobenzene	2100.00	970.000	46	0	27	28-104
N-Nitroso-di-n-prop.(1)	2100.00	1200.000	57	0	38	41-126
1,2,4-Trichlorobenzene	2100.00	1200.000	57	0	23	38-107
4-Chloro-3-methylphenol	3100.00	2100.000	68	0	33	26-103
Acenaphthene	2100.00	1400.000	67	8	19	31-137
4-Nitrophenol	3100.00	3300.000	106	0	50	11-114
2,4-Dinitrotoluene	2100.00	1800.000	86	6	47	28- 89
Pentachlorophenol	3100.00	3000.000	97	0	47	17-109
Pyrene	2100.00	1400.000	66	8	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:

000232

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

SBLK1

Lab Name:WADSWORTH/ALERT Contract:68-D1-0085

Lab Code:WADS Case No.:19026 SAS No.: SDG No.:EQK01

Lab File ID:SBLK1 Lab Sample ID:90430

Instrument ID:EXTR03 Date Extracted: 4/30/92

Matrix: (soil/water) WATER Date Analyzed: 5/07/92

Level:(low/med) LOW Time Analyzed: 1200

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

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	~~TIME~~ DATE ANALYZED	RG 6/3/92
01	EQK26	60304	EQK26	~~1237~~	5/07/92
02	EQK26MS	60304	EQK26MS	~~1312~~	5/07/92
03	EQK26MSD	60304	EQK26MD	~~1346~~	5/07/92
04	EQK27	60305	EQK27	~~1422~~	5/07/92
05	EQK28	60306	EQK28	~~1457~~	5/07/92
06					
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COMMENTS:

000233

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

SBLK2

Lab Name:WADSWORTH/ALERT Contract:68-D1-0085

Lab Code:WADS Case No.:19026 SAS No.: SDG No.:EQK01

Lab File ID:SBLK2 Lab Sample ID:92504

Instrument ID:EXTR03 Date Extracted: 5/04/92

Matrix: (soil/water) SOIL Date Analyzed: 5/07/92

Level:(low/med) LOW Time Analyzed: 1533

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

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	~~TIME~~ DATE ANALYZED	RG 6/3/92
01	EQK01	60014	EQK01R	~~1620~~	5/08/92
02	EQK02	60020	EQK02	~~1731~~	5/08/92
03	EQK02MS	60020	EQK02MS	~~1806~~	5/08/92
04	EQK02MSD	60020	EQK02MD	~~1841~~	5/08/92
05	EQK08	60016	EQK08	~~1642~~	5/07/92
06	EQK09	60017	EQK09R	~~1650~~	5/08/92
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COMMENTS:

000234

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

SBLK3

Lab Name:WADSWORTH/ALERT Contract:68-D1-0085

Lab Code:WADS Case No.:19026 SAS No.: SDG No.:EQK01

Lab File ID:SBLK3 Lab Sample ID:92508

Instrument ID:EXTR03 Date Extracted: 5/08/92

Matrix: (soil/water) SOIL Date Analyzed: 5/15/92

Level:(low/med) LOW Time Analyzed: 1517

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

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	~~TIME~~ DATE ANALYZED	RG 6/3/92
01	EQK08RE	60016	EQK08RE	~~1425~~	5/18/92
02	~~EQK08RERE~~	~~60016~~	~~EQK08RE~~	~~1315~~	5/18/92
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COMMENTS:

000235

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBLK1

Lab Name:WADSWORTH/ALERT Contract:68-D1-0085

Lab Code:WADS Case No.:19026 SAS No.: SDG No.:EQK01

Matrix: (soil/water) WATER Lab Sample ID:90430

Sample wt/vol: 1000.00 (g/ml) ML Lab File ID: SBLK1

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

% Moisture: 0 decanted: N Date Extracted: 4/30/92

Concentrated Extract Volume: 1000.00(uL) Date Analyzed: 5/07/92

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

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
10604-60-7	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	Dimethylphthalate	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.

SBLK1

Lab Name:WADSWORTH/ALERT Contract:68-D1-0085

Lab Code:WADS Case No.:19026 SAS No.: SDG No.:EQK01

Matrix: (soil/water) WATER Lab Sample ID:90430

Sample wt/vol: 1000.00 (g/ml) ML Lab File ID: SBLK1

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

% Moisture: 0 decanted: N Date Extracted: 4/30/92

Concentrated Extract Volume: 1000.00(uL) Date Analyzed: 5/07/92

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

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	0.5	J
206-44-0	Fluoranthene	10.	U
129-00-0	Pyrene	10.	U
85-68-7	Butylbenzylphthalate	10.	U
91-94-1	3,3'-Dichlorobenzidine	10.	U
56-55-3	Benzo(a)anthracene	10.	U
218-01-9	Chrysene	10.	U
117-81-7	bis(2-ethylhexyl)phthalate	1.	J
117-84-0	Di-n-Octylphthalate	10.	U
205-99-2	Benzo(b)fluoranthene	10.	U
207-08-9	Benzo(k)fluoranthene	10.	U
50-32-8	Benzo(a)pyrene	10.	U
193-39-5	Indeno(1,2,3-cd)pyrene	10.	U
53-70-3	Dibenz(a,h)anthracene	10.	U
191-24-2	Benzo(g,h,i)perylene	10.	U

(1) - Cannot be separated from Diphenylamine

000720

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SBLK1

Lab Name:WADSWORTH/ALERT Contract:68-D1-0085

Lab Code:WADS Case No.:19026 SAS No.: SDG No.:EQK01

Matrix: (soil/water) WATER Lab Sample ID:90430

Sample wt/vol: 1000.00 (g/ml) ML Lab File ID: SBLK1

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

% Moisture: 0 decanted: (Y/N) N Date Extracted: 4/30/92

Concentrated Extract Volume: 1000.00(uL) Date Analyzed: 5/07/92

Injection Volume: 2.00(uL) Dilution Factor: 1.00

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

Number TICs Found: ~~1~~ 2 5/22/92

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

	CAS NUMBER	COMPOUND NAME	RT	EXT. CONC.	Q
1.	111-90-0	Ethanol, 2-(2-ethoxyethoxy)-	5.9	9.	JN
2.	98-86-2	Ethanone, 1-phenyl-	6.9	3.	JN
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000721

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBLK2

Lab Name:WADSWORTH/ALERT Contract:68-D1-0085

Lab Code:WADS Case No.:19026 SAS No.: SDG No.:EQK01

Matrix: (soil/water) SOIL Lab Sample ID:92504

Sample wt/vol: 30.00 (g/ml) G Lab File ID: SBLK2

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

% Moisture: 0 decanted: N Date Extracted: 5/04/92

Concentrated Extract Volume: 500.00(uL) Date Analyzed: 5/07/92

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	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
10604-60-7	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	Dimethylphthalate	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

000735

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBLK2

Lab Name:WADSWORTH/ALERT Contract:68-D1-0085

Lab Code:WADS Case No.:19026 SAS No.: SDG No.:EQK01

Matrix: (soil/water) SOIL Lab Sample ID:92504

Sample wt/vol: 30.00 (g/ml) G Lab File ID: SBLK2

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

% Moisture: 0 decanted: N Date Extracted: 5/04/92

Concentrated Extract Volume: 500.00(uL) Date Analyzed: 5/07/92

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	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	28.	J
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	18.	J
117-84-0	Di-n-Octylphthalate	330.	U
205-99-2	Benzo(b)fluoranthene	330.	U
207-08-9	Benzo(k)fluoranthene	330.	U
50-32-8	Benzo(a)pyrene	330.	U
193-39-5	Indeno(1,2,3-cd)pyrene	330.	U
53-70-3	Dibenz(a,h)anthracene	330.	U
191-24-2	Benzo(g,h,i)perylene	330.	U

(1) - Cannot be separated from Diphenylamine

000736

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SBLK2

Lab Name:WADSWORTH/ALERT Contract:68-D1-0085

Lab Code:WADS Case No.:19026 SAS No.: SDG No.:EQK01

Matrix: (soil/water) SOIL Lab Sample ID:92504

Sample wt/vol: 30.00 (g/ml) G Lab File ID: SBLK2

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

% Moisture: 0 decanted: (Y/N) N Date Extracted: 5/04/92

Concentrated Extract Volume: 500.00(uL) Date Analyzed: 5/07/92

Injection Volume: 2.00(uL) Dilution Factor: 1.00

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

Number TICs Found: ~~0~~ 1 5/22/92

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

	CAS NUMBER	COMPOUND NAME	RT	EXT. CONC.	Q
1.	111-90-0	Ethanol, 2-(2-ethoxyethoxy)-	5.9	460.	JN
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1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBLK3

Lab Name:WADSWORTH/ALERT Contract:68-D1-0085

Lab Code:WADS Case No.:19026 SAS No.: SDG No.:EQK01

Matrix: (soil/water) SOIL Lab Sample ID:92508

Sample wt/vol: 30.00 (g/ml) G Lab File ID: SBLK3

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

% Moisture: 0 decanted: N Date Extracted: 5/08/92

Concentrated Extract Volume: 500.00(uL) Date Analyzed: 5/15/92

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	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
10604-60-7	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	Dimethylphthalate	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

000749

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBLK3

Lab Name:WADSWORTH/ALERT Contract:68-D1-0085

Lab Code:WADS Case No.:19026 SAS No.: SDG No.:EQK01

Matrix: (soil/water) SOIL Lab Sample ID:92508

Sample wt/vol: 30.00 (g/ml) G Lab File ID: SBLK3

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

% Moisture: 0 decanted: N Date Extracted: 5/08/92

Concentrated Extract Volume: 500.00(uL) Date Analyzed: 5/15/92

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	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	240.	J
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-Octylphthalate	330.	U
205-99-2	Benzo(b)fluoranthene	330.	U
207-08-9	Benzo(k)fluoranthene	330.	U
50-32-8	Benzo(a)pyrene	330.	U
193-39-5	Indeno(1,2,3-cd)pyrene	330.	U
53-70-3	Dibenz(a,h)anthracene	330.	U
191-24-2	Benzo(g,h,i)perylene	330.	U

(1) - Cannot be separated from Diphenylamine

000750

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SBLK3

Lab Name: WADSWORTH/ALERT Contract: 68-D1-0085

Lab Code: WADS Case No.: 19026 SAS No.: SDG No.: EQK01

Matrix: (soil/water) SOIL Lab Sample ID: 92508

Sample wt/vol: 30.00 (g/ml) G Lab File ID: SBLK3

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

% Moisture: 0 decanted: (Y/N) N Date Extracted: 5/08/92

Concentrated Extract Volume: 500.00(uL) Date Analyzed: 5/15/92

Injection Volume: 2.00(uL) Dilution Factor: 1.00

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

Number TICs Found: ~~0~~ 2 TS/22/92

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

	CAS NUMBER	COMPOUND NAME	RT	EXT. CONC.	Q
1.	111-90-0	Ethanol, 2-(2-ethoxyethoxy)-	6.8	120.	JN
2.		Unknown Ester	21.8	740.	J
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1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EQK01

Lab Name:WADSWORTH/ALERT Contract:68-D1-0085

Lab Code:WADS Case No.:19026 SAS No.: SDG No.:EQK01

Matrix: (soil/water) SOIL Lab Sample ID:60014

Sample wt/vol: 30.00 (g/ml) G Lab File ID: EQK01R

Level: (low/med) LOW Date Received: 4/29/92

% Moisture: 32 decanted: N Date Extracted: 5/04/92

Concentrated Extract Volume: 500.00(uL) Date Analyzed: 5/08/92

Injection Volume: 2.00 (uL) Dilution Factor: 2.00

GPC Cleanup: (Y/N) Y pH: 9.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	970.	U
111-44-4	bis(2-chloroethyl)ether	970.	U
95-57-8	2-Chlorophenol	970.	U
541-73-1	1,3-Dichlorobenzene	970.	U
10604-60-7	1,4-Dichlorobenzene	970.	U
95-50-1	1,2-Dichlorobenzene	970.	U
95-48-7	2-Methylphenol	970.	U
108-60-1	2,2'-oxybis(1-Chloropropane)	970.	U
106-44-5	4-Methylphenol	970.	U
621-64-7	N-Nitroso-di-n-propylamine	970.	U
67-72-1	Hexachloroethane	970.	U
98-95-3	Nitrobenzene	970.	U
78-59-1	Isophorone	970.	U
88-75-5	2-Nitrophenol	970.	U
105-67-9	2,4-Dimethylphenol	970.	U
111-91-1	bis(2-chloroethoxy)methane	970.	U
120-83-2	2,4-Dichlorophenol	970.	U
120-82-1	1,2,4-Trichlorobenzene	970.	U
91-20-3	Naphthalene	970.	U
106-47-8	4-Chloroaniline	970.	U
87-68-3	Hexachlorobutadiene	970.	U
59-50-7	4-Chloro-3-methylphenol	970.	U
91-57-6	2-Methylnaphthalene	970.	U
77-47-4	Hexachlorocyclopentadiene	970.	U
88-06-2	2,4,6-Trichlorophenol	970.	U
95-95-4	2,4,5-Trichlorophenol	2400.	U
91-58-7	2-Chloronaphthalene	970.	U
88-74-4	2-Nitroaniline	2400.	U
131-11-3	Dimethylphthalate	970.	U
208-96-8	Acenaphthylene	970.	U
606-20-2	2,6-Dinitrotoluene	970.	U
99-09-2	3-Nitroaniline	2400.	U
83-32-9	Acenaphthene	970.	U

000250

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EQK01

Lab Name:WADSWORTH/ALERT Contract:68-D1-0085

Lab Code:WADS Case No.:19026 SAS No.: SDG No.:EQK01

Matrix: (soil/water) SOIL Lab Sample ID:60014

Sample wt/vol: 30.00 (g/ml) G Lab File ID: EQK01R

Level: (low/med) LOW Date Received: 4/29/92

% Moisture: 32 decanted: N Date Extracted: 5/04/92

Concentrated Extract Volume: 500.00(uL) Date Analyzed: 5/08/92

Injection Volume: 2.00 (uL) Dilution Factor: 2.00

GPC Cleanup: (Y/N) Y pH: 9.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	2400.	U
100-02-7	4-Nitrophenol	2400.	U
132-64-9	Dibenzofuran	55.	J
121-14-2	2,4-Dinitrotoluene	970.	U
84-66-2	Diethylphthalate	970.	U
7005-72-3	4-Chlorophenyl-phenylether	970.	U
86-73-7	Fluorene	970.	U
100-01-6	4-Nitroaniline	2400.	U
534-52-1	4,6-Dinitro-2-methylphenol	2400.	U
86-30-6	N-Nitrosodiphenylamine (1)	970.	U
101-55-3	4-Bromophenyl-phenylether	970.	U
118-74-1	Hexachlorobenzene	970.	U
87-86-5	Pentachlorophenol	2400.	U
85-01-8	Phenanthrene	660.	J
120-12-7	Anthracene	970.	U
86-74-8	Carbazole	970.	U
84-74-2	Di-n-butylphthalate	970 ~~77.~~	JBU
206-44-0	Fluoranthene	970.	
129-00-0	Pyrene	450.	J
85-68-7	Butylbenzylphthalate	970.	U
91-94-1	3,3'-Dichlorobenzidine	970.	U
56-55-3	Benzo(a)anthracene	970.	U
218-01-9	Chrysene	3500.	
117-81-7	bis(2-ethylhexyl)phthalate	970.	U
117-84-0	Di-n-Octylphthalate	970.	U
205-99-2	Benzo(b)fluoranthene	2300.	
207-08-9	Benzo(k)fluoranthene	550.	J
50-32-8	Benzo(a)pyrene	1600.	
193-39-5	Indeno(1,2,3-cd)pyrene	560.	J
53-70-3	Dibenz(a,h)anthracene	150.	J
191-24-2	Benzo(g,h,i)perylene	330.	J

SF 6/11/92

(1) - Cannot be separated from Diphenylamine

000251

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

EQK01

Lab Name:WADSWORTH/ALERT Contract:68-D1-0085

Lab Code:WADS Case No.:19026 SAS No.: SDG No.:EQK01

Matrix: (soil/water) SOIL Lab Sample ID:60014

Sample wt/vol: 30.00 (g/ml) G Lab File ID: EQK01R

Level: (low/med) LOW Date Received: 4/29/92

% Moisture: 32 decanted: (Y/N) N Date Extracted: 5/04/92

Concentrated Extract Volume: 500.00(uL) Date Analyzed: 5/08/92

Injection Volume: 2.00(uL) Dilution Factor: 2.00

GPC Cleanup: (Y/N) Y pH: 9.0

Number TICs Found: ~~2~~ 11 TS 5/22/92

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

CAS NUMBER	COMPOUND NAME	RT	EXT. CONC.	Q
1. 111-90-0	Ethanol, 2-(2-ethoxyethoxy)-	5.8	460.	~~JBN~~ U
2.	Unknown	20.5	320.	J
3.	Unknown Polyaromatic Hydroca	20.7	300.	J
4.	Unknown Polyaromatic Hydroca	20.8	260.	J
5.	Unknown	20.9	240.	J
6.	Unknown	22.2	760.	J
7.	Unknown	22.3	1400.	J
8.	Unknown	23.2	320.	J
9.	Unknown	23.8	220.	J
10.	Unknown	25.8	340.	J
11.	Unknown Polyaromatic Hydroca	26.3	380.	J
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BT 6/11/92

000252

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EQK02

Lab Name:WADSWORTH/ALERT Contract:68-D1-0085

Lab Code:WADS Case No.:19026 SAS No.: SDG No.:EQK01

Matrix: (soil/water) SOIL Lab Sample ID:60020

Sample wt/vol: 30.00 (g/ml) G Lab File ID: EQK02

Level: (low/med) LOW Date Received: 4/29/92

% Moisture: 19 decanted: N Date Extracted: 5/04/92

Concentrated Extract Volume: 500.00(uL) Date Analyzed: 5/08/92

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) Y pH: 6.7

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	410.	U
111-44-4	bis(2-chloroethyl)ether	410.	U
95-57-8	2-Chlorophenol	410.	U
541-73-1	1,3-Dichlorobenzene	410.	U
10604-60-7	1,4-Dichlorobenzene	410.	U
95-50-1	1,2-Dichlorobenzene	410.	U
95-48-7	2-Methylphenol	410.	U
108-60-1	2,2'-oxybis(1-Chloropropane)	410.	U
106-44-5	4-Methylphenol	410.	U
621-64-7	N-Nitroso-di-n-propylamine	410.	U
67-72-1	Hexachloroethane	410.	U
98-95-3	Nitrobenzene	410.	U
78-59-1	Isophorone	410.	U
88-75-5	2-Nitrophenol	410.	U
105-67-9	2,4-Dimethylphenol	410.	U
111-91-1	bis(2-chloroethoxy)methane	410.	U
120-83-2	2,4-Dichlorophenol	410.	U
120-82-1	1,2,4-Trichlorobenzene	410.	U
91-20-3	Naphthalene	51.	J
106-47-8	4-Chloroaniline	410.	U
87-68-3	Hexachlorobutadiene	410.	U
59-50-7	4-Chloro-3-methylphenol	410.	U
91-57-6	2-Methylnaphthalene	110.	J
77-47-4	Hexachlorocyclopentadiene	410.	U
88-06-2	2,4,6-Trichlorophenol	410.	U
95-95-4	2,4,5-Trichlorophenol	990.	U
91-58-7	2-Chloronaphthalene	410.	U
88-74-4	2-Nitroaniline	990.	U
131-11-3	Dimethylphthalate	410.	U
208-96-8	Acenaphthylene	410.	U
606-20-2	2,6-Dinitrotoluene	410.	U
99-09-2	3-Nitroaniline	990.	U
83-32-9	Acenaphthene	410.	U

000294

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EQK02

Lab Name:WADSWORTH/ALERT Contract:68-D1-0085

Lab Code:WADS Case No.:19026 SAS No.: SDG No.:EQK01

Matrix: (soil/water) SOIL Lab Sample ID:60020

Sample wt/vol: 30.00 (g/ml) G Lab File ID: EQK02

Level: (low/med) LOW Date Received: 4/29/92

% Moisture: 19 decanted: N Date Extracted: 5/04/92

Concentrated Extract Volume: 500.00(uL) Date Analyzed: 5/08/92

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) Y pH: 6.7

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q	
51-28-5	2,4-Dinitrophenol	990.	U	
100-02-7	4-Nitrophenol	990.	U	
132-64-9	Dibenzofuran	40.	J	
121-14-2	2,4-Dinitrotoluene	410.	U	
84-66-2	Diethylphthalate	410.	U	
7005-72-3	4-Chlorophenyl-phenylether	410.	U	
86-73-7	Fluorene	410.	U	
100-01-6	4-Nitroaniline	990.	U	
534-52-1	4,6-Dinitro-2-methylphenol	990.	U	
86-30-6	N-Nitrosodiphenylamine (1)	410.	U	
101-55-3	4-Bromophenyl-phenylether	410.	U	
118-74-1	Hexachlorobenzene	410.	U	
87-86-5	Pentachlorophenol	990.	U	
85-01-8	Phenanthrene	140.	J	
120-12-7	Anthracene	410.	U	
86-74-8	Carbazole	410.	U	
84-74-2	Di-n-butylphthalate	410 ~~41.~~	JBU	ST 6/11/92
206-44-0	Fluoranthene	24.	J	
129-00-0	Pyrene	24.	J	
85-68-7	Butylbenzylphthalate	410.	U	
91-94-1	3,3'-Dichlorobenzidine	410.	U	
56-55-3	Benzo(a)anthracene	410.	U	
218-01-9	Chrysene	23.	J	
117-81-7	bis(2-ethylhexyl)phthalate	410 ~~200.~~	JBU	ST 6/11/92
117-84-0	Di-n-Octylphthalate	410.	U	
205-99-2	Benzo(b)fluoranthene	410.	U	
207-08-9	Benzo(k)fluoranthene	410.	U	
50-32-8	Benzo(a)pyrene	410.	U	
193-39-5	Indeno(1,2,3-cd)pyrene	410.	U	
53-70-3	Dibenz(a,h)anthracene	410.	U	
191-24-2	Benzo(g,h,i)perylene	410.	U	

(1) - Cannot be separated from Diphenylamine

000295

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

EQK02

Lab Name:WADSWORTH/ALERT Contract:68-D1-0085

Lab Code:WADS Case No.:19026 SAS No.: SDG No.:EQK01

Matrix: (soil/water) SOIL Lab Sample ID:60020

Sample wt/vol: 30.00 (g/ml) G Lab File ID: EQK02

Level: (low/med) LOW Date Received: 4/29/92

% Moisture: 19 decanted: (Y/N) N Date Extracted: 5/04/92

Concentrated Extract Volume: 500.00(uL) Date Analyzed: 5/08/92

Injection Volume: 2.00(uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) Y pH: 6.7

Number TICs Found: ~~3~~ 20 TS 5/22/92

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

CAS NUMBER	COMPOUND NAME	RT	EXT. CONC.	Q
1. 111-90-0	Ethanol, 2-(2-ethoxyethoxy)-	5.9	820.	JBN
2.	Unknown Hydrocarbon	14.6	300.	J
3.	Unknown	17.0	130.	J
4.	Unknown	21.4	190.	J
5.	Unknown Hydrocarbon	21.4	158.	J
6.	Unknown Hydrocarbon	22.8	720.	J
7.	Unknown Hydrocarbon	23.7	420.	J
8.	Unknown Hydrocarbon	24.1	2200.	J
9.	Unknown	25.0	740.	J
10.	Unknown Hydrocarbon	25.3	1400.	J
11.	Unknown	25.4	1120.	J
12.	Unknown	25.4	170.	J
13.	Unknown	25.5	400.	J
14.	Unknown	25.8	150.	J
15.	Unknown	26.2	840.	J
16.	Unknown	26.4	380.	J
17.	Unknown Hydrocarbon	26.5	320.	J
18.	Unknown Hydrocarbon	26.6	300.	J
19.	Unknown	26.7	300.	J
20.	Unknown	26.8	1800.	J
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1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EQK08

Lab Name:WADSWORTH/ALERT Contract:68-D1-0085

Lab Code:WADS Case No.:19026 SAS No.: SDG No.:EQK01

Matrix: (soil/water) SOIL Lab Sample ID:60016

Sample wt/vol: 30.00 (g/ml) G Lab File ID: EQK08

Level: (low/med) LOW Date Received: 4/29/92

% Moisture: 53 decanted: N Date Extracted: 5/04/92

Concentrated Extract Volume: 500.00(uL) Date Analyzed: 5/07/92

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) Y pH:10.4

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	700.	U
111-44-4	bis(2-chloroethyl)ether	700.	U
95-57-8	2-Chlorophenol	700.	U
541-73-1	1,3-Dichlorobenzene	700.	U
10604-60-7	1,4-Dichlorobenzene	700.	U
95-50-1	1,2-Dichlorobenzene	700.	U
95-48-7	2-Methylphenol	700.	U
108-60-1	2,2'-oxybis(1-Chloropropane)	700.	U
106-44-5	4-Methylphenol	700.	U
621-64-7	N-Nitroso-di-n-propylamine	700.	U
67-72-1	Hexachloroethane	700.	U
98-95-3	Nitrobenzene	700.	U
78-59-1	Isophorone	700.	U
88-75-5	2-Nitrophenol	700.	U
105-67-9	2,4-Dimethylphenol	700.	U
111-91-1	bis(2-chloroethoxy)methane	700.	U
120-83-2	2,4-Dichlorophenol	700.	U
120-82-1	1,2,4-Trichlorobenzene	700.	U
91-20-3	Naphthalene	700.	U
106-47-8	4-Chloroaniline	700.	U
87-68-3	Hexachlorobutadiene	700.	U
59-50-7	4-Chloro-3-methylphenol	700.	U
91-57-6	2-Methylnaphthalene	700.	U
77-47-4	Hexachlorocyclopentadiene	700.	U
88-06-2	2,4,6-Trichlorophenol	700.	U
95-95-4	2,4,5-Trichlorophenol	1700.	U
91-58-7	2-Chloronaphthalene	700.	U
88-74-4	2-Nitroaniline	1700.	U
131-11-3	Dimethylphthalate	700.	U
208-96-8	Acenaphthylene	700.	U
606-20-2	2,6-Dinitrotoluene	700.	U
99-09-2	3-Nitroaniline	1700.	U
83-32-9	Acenaphthene	700.	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EQK08

Lab Name:WADSWORTH/ALERT Contract:68-D1-0085

Lab Code:WADS Case No.:19026 SAS No.: SDG No.:EQK01

Matrix: (soil/water) SOIL Lab Sample ID:60016

Sample wt/vol: 30.00 (g/ml) G Lab File ID: EQK08

Level: (low/med) LOW Date Received: 4/29/92

% Moisture: 53 decanted: N Date Extracted: 5/04/92

Concentrated Extract Volume: 500.00(uL) Date Analyzed: 5/07/92

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) Y pH:10.4

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	1700.	U
100-02-7	4-Nitrophenol	1700.	U
132-64-9	Dibenzofuran	700.	U
121-14-2	2,4-Dinitrotoluene	700.	U
84-66-2	Diethylphthalate	700.	U
7005-72-3	4-Chlorophenyl-phenylether	700.	U
86-73-7	Fluorene	700.	U
100-01-6	4-Nitroaniline	1700.	U
534-52-1	4,6-Dinitro-2-methylphenol	1700.	U
86-30-6	N-Nitrosodiphenylamine (1)	700.	U
101-55-3	4-Bromophenyl-phenylether	700.	U
118-74-1	Hexachlorobenzene	700.	U
87-86-5	Pentachlorophenol	1700.	U
85-01-8	Phenanthrene	280.	J
120-12-7	Anthracene	63.	J
86-74-8	Carbazole	38.	J
84-74-2	Di-n-butylphthalate	700 ~~310.~~	JB u
206-44-0	Fluoranthene	600.	J
129-00-0	Pyrene	400.	J
85-68-7	Butylbenzylphthalate	700.	U
91-94-1	3,3'-Dichlorobenzidine	700.	U
56-55-3	Benzo(a)anthracene	300.	J
218-01-9	Chrysene	450.	J
117-81-7	bis(2-ethylhexyl)phthalate	700.	U
117-84-0	Di-n-Octylphthalate	700.	U
205-99-2	Benzo(b)fluoranthene	540.	J
207-08-9	Benzo(k)fluoranthene	190.	J
50-32-8	Benzo(a)pyrene	310.	J
193-39-5	Indeno(1,2,3-cd)pyrene	300.	J
53-70-3	Dibenz(a,h)anthracene	71.	J
191-24-2	Benzo(g,h,i)perylene	300.	J

ST 6/11/92

(1) - Cannot be separated from Diphenylamine

000354

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

EQK08

Lab Name:WADSWORTH/ALERT Contract:68-D1-0085

Lab Code:WADS Case No.:19026 SAS No.: SDG No.:EQK01

Matrix: (soil/water) SOIL Lab Sample ID:60016

Sample wt/vol: 30.00 (g/ml) G Lab File ID: EQK08

Level: (low/med) LOW Date Received: 4/29/92

% Moisture: 53 decanted: (Y/N) N Date Extracted: 5/04/92

Concentrated Extract Volume: 500.00(uL) Date Analyzed: 5/07/92

Injection Volume: 2.00(uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) Y pH:10.4

Number TICs Found: 20 #5/22/92

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

CAS NUMBER	COMPOUND NAME	RT	EXT. CONC.	Q
1. 111-90-0	Ethanol, 2-(2-ethoxyethoxy)-	5.9	960.	~~JBN~~ U & 6/11/92
2.	Unknown Hydrocarbon	12.5	360.	J
3.	Unknown Hydrocarbon	13.6	400.	J
4.	Unknown Hydrocarbon	14.6	960.	J
5.	Unknown Hydrocarbon	15.6	360.	J
6.	Unknown Hydrocarbon	19.4	460.	J
7.	Unknown Hydrocarbon	20.1	620.	J
8.	Unknown	20.9	580.	J
9.	Unknown	22.2	680.	J
10.	Unknown	22.4	520.	J
11.	Unknown Hydrocarbon	22.6	680.	J
12.	Unknown Hydrocarbon	22.9	580.	J
13.	Unknown Hydrocarbon	23.1	640.	J
14.	Unknown	23.3	620.	J
15.	Unknown	23.7	840.	J
16.	Unknown Hydrocarbon	24.6	800.	J
17.	Unknown Hydrocarbon	24.8	380.	J
18.	Unknown Hydrocarbon	25.2	520.	J
19.	Unknown	25.4	800.	J
20.	Unknown	25.9	560.	J
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1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EQK08RE

Lab Name:WADSWORTH/ALERT Contract:68-D1-0085

Lab Code:WADS Case No.:19026 SAS No.: SDG No.:EQK01

Matrix: (soil/water) SOIL Lab Sample ID:60016

Sample wt/vol: 30.00 (g/ml) G Lab File ID: EQK08RE

Level: (low/med) LOW Date Received: 4/29/92

% Moisture: 53 decanted: N Date Extracted: 5/08/92

Concentrated Extract Volume: 500.00(uL) Date Analyzed: 5/18/92

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) Y pH:10.4

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	700.	U
111-44-4	bis(2-chloroethyl)ether	700.	U
95-57-8	2-Chlorophenol	700.	U
541-73-1	1,3-Dichlorobenzene	700.	U
10604-60-7	1,4-Dichlorobenzene	700.	U
95-50-1	1,2-Dichlorobenzene	700.	U
95-48-7	2-Methylphenol	700.	U
108-60-1	2,2'-oxybis(1-Chloropropane)	700.	U
106-44-5	4-Methylphenol	700.	U
621-64-7	N-Nitroso-di-n-propylamine	700.	U
67-72-1	Hexachloroethane	700.	U
98-95-3	Nitrobenzene	700.	U
78-59-1	Isophorone	700.	U
88-75-5	2-Nitrophenol	700.	U
105-67-9	2,4-Dimethylphenol	700.	U
111-91-1	bis(2-chloroethoxy)methane	700.	U
120-83-2	2,4-Dichlorophenol	700.	U
120-82-1	1,2,4-Trichlorobenzene	700.	U
91-20-3	Naphthalene	700.	U
106-47-8	4-Chloroaniline	700.	U
87-68-3	Hexachlorobutadiene	700.	U
59-50-7	4-Chloro-3-methylphenol	700.	U
91-57-6	2-Methylnaphthalene	700.	U
77-47-4	Hexachlorocyclopentadiene	700.	U
88-06-2	2,4,6-Trichlorophenol	700.	U
95-95-4	2,4,5-Trichlorophenol	1700.	U
91-58-7	2-Chloronaphthalene	700.	U
88-74-4	2-Nitroaniline	1700.	U
131-11-3	Dimethylphthalate	700.	U
208-96-8	Acenaphthylene	700.	U
606-20-2	2,6-Dinitrotoluene	700.	U
99-09-2	3-Nitroaniline	1700.	U
83-32-9	Acenaphthene	700.	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EQK08RE

Lab Name:WADSWORTH/ALERT Contract:68-D1-0085

Lab Code:WADS Case No.:19026 SAS No.: SDG No.:EQK01

Matrix: (soil/water) SOIL Lab Sample ID:60016

Sample wt/vol: 30.00 (g/ml) G Lab File ID: EQK08RE

Level: (low/med) LOW Date Received: 4/29/92

% Moisture: 53 decanted: N Date Extracted: 5/08/92

Concentrated Extract Volume: 500.00(uL) Date Analyzed: 5/18/92

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) Y pH:10.4

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	1700.	U
100-02-7	4-Nitrophenol	1700.	U
132-64-9	Dibenzofuran	700.	U
121-14-2	2,4-Dinitrotoluene	700.	U
84-66-2	Diethylphthalate	700.	U
7005-72-3	4-Chlorophenyl-phenylether	700.	U
86-73-7	Fluorene	36.	J
100-01-6	4-Nitroaniline	1700.	U
534-52-1	4,6-Dinitro-2-methylphenol	1700.	U
86-30-6	N-Nitrosodiphenylamine (1)	700.	U
101-55-3	4-Bromophenyl-phenylether	700.	U
118-74-1	Hexachlorobenzene	700.	U
87-86-5	Pentachlorophenol	1700.	U
85-01-8	Phenanthrene	300.	J
120-12-7	Anthracene	83.	J
86-74-8	Carbazole	37.	J
84-74-2	Di-n-butylphthalate	700 ~~200.~~	JB U st 6/11/92
206-44-0	Fluoranthene	570.	J
129-00-0	Pyrene	350.	J
85-68-7	Butylbenzylphthalate	700.	U
91-94-1	3,3'-Dichlorobenzidine	700.	U
56-55-3	Benzo(a)anthracene	700.	U
218-01-9	Chrysene	430.	J
117-81-7	bis(2-ethylhexyl)phthalate	700.	U
117-84-0	Di-n-Octylphthalate	700.	U
205-99-2	Benzo(b)fluoranthene	520.	J
207-08-9	Benzo(k)fluoranthene	53.	J
50-32-8	Benzo(a)pyrene	330.	J
193-39-5	Indeno(1,2,3-cd)pyrene	320.	J
53-70-3	Dibenz(a,h)anthracene	71.	J
191-24-2	Benzo(g,h,i)perylene	320.	J

(1) - Cannot be separated from Diphenylamine

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

EQK08RE

Lab Name:WADSWORTH/ALERT Contract:68-D1-0085

Lab Code:WADS Case No.:19026 SAS No.: SDG No.:EQK01

Matrix: (soil/water) SOIL Lab Sample ID:60016

Sample wt/vol: 30.00 (g/ml) G Lab File ID: EQK08RE

Level: (low/med) LOW Date Received: 4/29/92

% Moisture: 53 decanted: (Y/N) N Date Extracted: 5/08/92

Concentrated Extract Volume: 500.00(uL) Date Analyzed: 5/18/92

Injection Volume: 2.00(uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) Y pH:10.4

Number TICs Found: ~~38~~ 20 #5/22/92

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

CAS NUMBER	COMPOUND NAME	RT	EXT. CONC.	Q
1.	Unknown Hydrocarbon	13.4	260.	J
2.	Unknown Hydrocarbon	14.5	380.	J
3.	Unknown Hydrocarbon	15.6	560.	J
4.	Unknown Hydrocarbon	17.5	188.	J
5.	Unknown Hydrocarbon	19.1	192.	J
6.	Unknown Hydrocarbon	19.2	300.	J
7.	Unknown Hydrocarbon	20.4	170.	J
8.	Unknown Hydrocarbon	21.1	280.	J
9.	Unknown Ester	21.7	6400.	J
10.	Unknown	23.2	260.	J
11.	Unknown	23.5	180.	J
12.	Unknown Hydrocarbon	23.6	380.	J
13.	Unknown Hydrocarbon	24.1	1000.	J
14.	Unknown Hydrocarbon	25.2	240.	J
15.	Unknown	25.4	440.	J
16.	Unknown	26.6	900.	J
17.	Unknown	26.6	900.	J
18.	Unknown	27.3	600.	J
19.	Unknown	28.1	420.	J
20.	Unknown	28.2	520.	J
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1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EQK09

Lab Name:WADSWORTH/ALERT Contract:68-D1-0085

Lab Code:WADS Case No.:19026 SAS No.: SDG No.:EQK01

Matrix: (soil/water) SOIL Lab Sample ID:60017

Sample wt/vol: 30.00 (g/ml) G Lab File ID: EQK09R

Level: (low/med) LOW Date Received: 4/29/92

% Moisture: 64 decanted: N Date Extracted: 5/04/92

Concentrated Extract Volume: 500.00(uL) Date Analyzed: 5/08/92

Injection Volume: 2.00 (uL) Dilution Factor: 2.00

GPC Cleanup: (Y/N) Y pH:10.3

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	1800.	U
111-44-4	bis(2-chloroethyl)ether	1800.	U
95-57-8	2-Chlorophenol	1800.	U
541-73-1	1,3-Dichlorobenzene	1800.	U
10604-60-7	1,4-Dichlorobenzene	1800.	U
95-50-1	1,2-Dichlorobenzene	1800.	U
95-48-7	2-Methylphenol	1800.	U
108-60-1	2,2'-oxybis(1-Chloropropane)	1800.	U
106-44-5	4-Methylphenol	1800.	U
621-64-7	N-Nitroso-di-n-propylamine	1800.	U
67-72-1	Hexachloroethane	1800.	U
98-95-3	Nitrobenzene	1800.	U
78-59-1	Isophorone	1800.	U
88-75-5	2-Nitrophenol	1800.	U
105-67-9	2,4-Dimethylphenol	1800.	U
111-91-1	bis(2-chloroethoxy)methane	1800.	U
120-83-2	2,4-Dichlorophenol	1800.	U
120-82-1	1,2,4-Trichlorobenzene	1800.	U
91-20-3	Naphthalene	1800.	U
106-47-8	4-Chloroaniline	1800.	U
87-68-3	Hexachlorobutadiene	1800.	U
59-50-7	4-Chloro-3-methylphenol	1800.	U
91-57-6	2-Methylnaphthalene	1800.	U
77-47-4	Hexachlorocyclopentadiene	1800.	U
88-06-2	2,4,6-Trichlorophenol	1800.	U
95-95-4	2,4,5-Trichlorophenol	4400.	U
91-58-7	2-Chloronaphthalene	1800.	U
88-74-4	2-Nitroaniline	4400.	U
131-11-3	Dimethylphthalate	1800.	U
208-96-8	Acenaphthylene	1800.	U
606-20-2	2,6-Dinitrotoluene	1800.	U
99-09-2	3-Nitroaniline	4400.	U
83-32-9	Acenaphthene	1800.	U

000481

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EQK09

Lab Name:WADSWORTH/ALERT Contract:68-D1-0085

Lab Code:WADS Case No.:19026 SAS No.: SDG No.:EQK01

Matrix: (soil/water) SOIL Lab Sample ID:60017

Sample wt/vol: 30.00 (g/ml) G Lab File ID: EQK09R

Level: (low/med) LOW Date Received: 4/29/92

% Moisture: 64 decanted: N Date Extracted: 5/04/92

Concentrated Extract Volume: 500.00(uL) Date Analyzed: 5/08/92

Injection Volume: 2.00 (uL) Dilution Factor: 2.00

GPC Cleanup: (Y/N) Y pH:10.3

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	4400.	U
100-02-7	4-Nitrophenol	4400.	U
132-64-9	Dibenzofuran	1800.	U
121-14-2	2,4-Dinitrotoluene	1800.	U
84-66-2	Diethylphthalate	1800.	U
7005-72-3	4-Chlorophenyl-phenylether	1800.	U
86-73-7	Fluorene	1800.	U
100-01-6	4-Nitroaniline	4400.	U
534-52-1	4,6-Dinitro-2-methylphenol	4400.	U
86-30-6	N-Nitrosodiphenylamine (1)	1800.	U
101-55-3	4-Bromophenyl-phenylether	1800.	U
118-74-1	Hexachlorobenzene	1800.	U
87-86-5	Pentachlorophenol	4400.	U
85-01-8	Phenanthrene	200.	J
120-12-7	Anthracene	1800.	U
86-74-8	Carbazole	1800.	U
84-74-2	Di-n-butylphthalate	1800 ~~450~~.	JB U
206-44-0	Fluoranthene	400.	J
129-00-0	Pyrene	310.	J
85-68-7	Butylbenzylphthalate	1800.	U
91-94-1	3,3'-Dichlorobenzidine	1800.	U
56-55-3	Benzo(a)anthracene	210.	J
218-01-9	Chrysene	320.	J
117-81-7	bis(2-ethylhexyl)phthalate	2200.	B
117-84-0	Di-n-Octylphthalate	1800.	U
205-99-2	Benzo(b)fluoranthene	410.	J
207-08-9	Benzo(k)fluoranthene	170.	J
50-32-8	Benzo(a)pyrene	250.	J
193-39-5	Indeno(1,2,3-cd)pyrene	230.	J
53-70-3	Dibenz(a,h)anthracene	1800.	U
191-24-2	Benzo(g,h,i)perylene	240.	J

ST 6/11/92

(1) - Cannot be separated from Diphenylamine

000482

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

EQK09

Lab Name:WADSWORTH/ALERT Contract:68-D1-0085

Lab Code:WADS Case No.:19026 SAS No.: SDG No.:EQK01

Matrix: (soil/water) SOIL Lab Sample ID:60017

Sample wt/vol: 30.00 (g/ml) G Lab File ID: EQK09R

Level: (low/med) LOW Date Received: 4/29/92

% Moisture: 64 decanted: (Y/N) N Date Extracted: 5/04/92

Concentrated Extract Volume: 500.00(uL) Date Analyzed: 5/08/92

Injection Volume: 2.00(uL) Dilution Factor: 2.00

GPC Cleanup: (Y/N) Y pH:10.3

Number TICs Found: ~~19~~ 20 TS 5/22/92

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

CAS NUMBER	COMPOUND NAME	RT	EXT. CONC.	Q
1.	Unknown Hydrocarbon	13.5	580.	J
2.	Unknown Hydrocarbon	14.6	1400.	J
3.	Unknown Hydrocarbon	15.6	780.	J
4.	Unknown Hydrocarbon	15.6	680.	J
5.	Unknown Hydrocarbon	16.5	500.	J
6.	Unknown Hydrocarbon	18.0	680.	J
7.	Unknown Hydrocarbon	19.4	980.	J
8.	Unknown	20.0	1420.	J
9.	Unknown	22.1	1400.	J
10.	Unknown Hydrocarbon	22.5	880.	J
11.	Unknown Hydrocarbon	22.8	960.	J
12.	Unknown Hydrocarbon	23.0	1500.	J
13.	Unknown Hydrocarbon	23.7	1700.	J
14.	Unknown Hydrocarbon	24.1	800.	J
15.	Unknown Hydrocarbon	24.5	1600.	J
16.	Unknown Hydrocarbon	25.1	1400.	J
17.	Unknown ~~Hydrocarbon~~ TV 11/92	25.3	1900.	J
18.	Unknown Polyaromatic Hydroca	25.8	1300.	J
19.	Unknown	26.4	620.	J
20.	Unknown	26.5	480.	J
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1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EQK26

Lab Name:WADSWORTH/ALERT Contract:68-D1-0085

Lab Code:WADS Case No.:19026 SAS No.: SDG No.:EQK01

Matrix: (soil/water) WATER Lab Sample ID:60304

Sample wt/vol: 1000.00 (g/ml) ML Lab File ID: EQK26

Level: (low/med) LOW Date Received: 4/30/92

% Moisture: 0 decanted: N Date Extracted: 4/30/92

Concentrated Extract Volume: 1000.00(uL) Date Analyzed: 5/07/92

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

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
10604-60-7	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	Dimethylphthalate	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

000543

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EQK26

Lab Name:WADSWORTH/ALERT Contract:68-D1-0085

Lab Code:WADS Case No.:19026 SAS No.: SDG No.:EQK01

Matrix: (soil/water) WATER Lab Sample ID:60304

Sample wt/vol: 1000.00 (g/ml) ML Lab File ID: EQK26

Level: (low/med) LOW Date Received: 4/30/92

% Moisture: 0 decanted: N Date Extracted: 4/30/92

Concentrated Extract Volume: 1000.00(uL) Date Analyzed: 5/07/92

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

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-Octylphthalate	10.	U
205-99-2	Benzo(b)fluoranthene	10.	U
207-08-9	Benzo(k)fluoranthene	10.	U
50-32-8	Benzo(a)pyrene	10.	U
193-39-5	Indeno(1,2,3-cd)pyrene	10.	U
53-70-3	Dibenz(a,h)anthracene	10.	U
191-24-2	Benzo(g,h,i)perylene	10.	U

(1) - Cannot be separated from Diphenylamine

000544

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

EQK26

Lab Name: WADSWORTH/ALERT Contract: 68-D1-0085

Lab Code: WADS Case No.: 19026 SAS No.: SDG No.: EQK01

Matrix: (soil/water) WATER Lab Sample ID: 60304

Sample wt/vol: 1000.00 (g/ml) ML Lab File ID: EQK26

Level: (low/med) LOW Date Received: 4/30/92

% Moisture: 0 decanted: (Y/N) N Date Extracted: 4/30/92

Concentrated Extract Volume: 1000.00(uL) Date Analyzed: 5/07/92

Injection Volume: 2.00(uL) Dilution Factor: 1.00

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

Number TICs Found: ~~0~~ 1 TT 5/22/92

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

	CAS NUMBER	COMPOUND NAME	RT	EXT. CONC.	Q
1.	111-90-0	Ethanol, 2-(2-ethoxyethoxy)-	5.9	9.	~~JBN~~ u
2.					
3.					
4.					
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TT 6/11/92

000545

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EQK27

Lab Name:WADSWORTH/ALERT Contract:68-D1-0085

Lab Code:WADS Case No.:19026 SAS No.: SDG No.:EQK01

Matrix: (soil/water) WATER Lab Sample ID:60305

Sample wt/vol: 1000.00 (g/ml) ML Lab File ID: EQK27

Level: (low/med) LOW Date Received: 4/30/92

% Moisture: 0 decanted: N Date Extracted: 4/30/92

Concentrated Extract Volume: 1000.00(uL) Date Analyzed: 5/07/92

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

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
10604-60-7	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	Dimethylphthalate	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

000555

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EQK27

Lab Name:WADSWORTH/ALERT Contract:68-D1-0085

Lab Code:WADS Case No.:19026 SAS No.: SDG No.:EQK01

Matrix: (soil/water) WATER Lab Sample ID:60305

Sample wt/vol: 1000.00 (g/ml) ML Lab File ID: EQK27

Level: (low/med) LOW Date Received: 4/30/92

% Moisture: 0 decanted: N Date Extracted: 4/30/92

Concentrated Extract Volume: 1000.00(uL) Date Analyzed: 5/07/92

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

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 ~~0.6~~	JB 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-Octylphthalate	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

SF 4/11/92

(1) - Cannot be separated from Diphenylamine

000556

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

EQK27

Lab Name: WADSWORTH/ALERT Contract: 68-D1-0085

Lab Code: WADS Case No.: 19026 SAS No.: SDG No.: EQK01

Matrix: (soil/water) WATER Lab Sample ID: 60305

Sample wt/vol: 1000.00 (g/ml) ML Lab File ID: EQK27

Level: (low/med) LOW Date Received: 4/30/92

% Moisture: 0 decanted: (Y/N) N Date Extracted: 4/30/92

Concentrated Extract Volume: 1000.00(uL) Date Analyzed: 5/07/92

Injection Volume: 2.00(uL) Dilution Factor: 1.00

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

Number TICs Found: ~~0~~ 1 TS 5/22/92 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EXT. CONC.	Q
1. 111-90-0	Ethanol, 2-(2-ethoxyethoxy)-	5.9	8.	~~JBN~~ U
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JBN 5/11/92

000557

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EQK28

Lab Name:WADSWORTH/ALERT Contract:68-D1-0085

Lab Code:WADS Case No.:19026 SAS No.: SDG No.:EQK01

Matrix: (soil/water) WATER Lab Sample ID:60306

Sample wt/vol: 1000.00 (g/ml) ML Lab File ID: EQK28

Level: (low/med) LOW Date Received: 4/30/92

% Moisture: 0 decanted: N Date Extracted: 4/30/92

Concentrated Extract Volume: 1000.00(uL) Date Analyzed: 5/07/92

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

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

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
10604-60-7	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	Dimethylphthalate	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

000568

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EQK28

Lab Name:WADSWORTH/ALERT Contract:68-D1-0085

Lab Code:WADS Case No.:19026 SAS No.: SDG No.:EQK01

Matrix: (soil/water) WATER Lab Sample ID:60306

Sample wt/vol: 1000.00 (g/ml) ML Lab File ID: EQK28

Level: (low/med) LOW Date Received: 4/30/92

% Moisture: 0 decanted: N Date Extracted: 4/30/92

Concentrated Extract Volume: 1000.00(uL) Date Analyzed: 5/07/92

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

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 ~~0.8~~	JB 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-Octylphthalate	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

st 6/11/92

(1) - Cannot be separated from Diphenylamine

000569

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

EQK28

Lab Name:WADSWORTH/ALERT Contract:68-D1-0085

Lab Code:WADS Case No.:19026 SAS No.: SDG No.:EQK01

Matrix: (soil/water) WATER Lab Sample ID:60306

Sample wt/vol: 1000.00 (g/ml) ML Lab File ID: EQK28

Level: (low/med) LOW Date Received: 4/30/92

% Moisture: 0 decanted: (Y/N) N Date Extracted: 4/30/92

Concentrated Extract Volume: 1000.00(uL) Date Analyzed: 5/07/92

Injection Volume: 2.00(uL) Dilution Factor: 1.00

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

Number TICs Found: ~~0~~ 1 7/5/22/92

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

CAS NUMBER	COMPOUND NAME	RT	EXT. CONC.	Q
1. 111-90-0	Ethanol, 2-(2-ethoxyethoxy)-	5.9	9.	~~JBN~~ U
2.				
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JBN 5/11/92

000570

2E
WATER PESTICIDE SURROGATE RECOVERY

Lab Name:Wadsworth/ALERT Labs Contract:68-DI-0085

Lab Code:WADS Case No.:19026 SAS No.: SDG No.:EQK01

GC Column(1):RTX1701 ID: 0.53 (mm) GC Column(2):RTX5 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	EQK26	130	80	100	105			0
02	EQK26MS	105	80	75	85			0
03	EQK26MSD	175*	90	80	85			1
04	EQK27	155*	100	90	100			1
05	EQK28	150	95	80	90			0
06	PBLKI	90	80	100	105			0
07	PIBLKX10	105	105	65	70			0
08	PIBLKX11	105	110	60	70			0
09	PIBLKX12	105	110	60	70			0
10	PIBLKX9	105	105	60	65			0
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	ADVISORY QC LIMITS
TCX = Tetrachloro-m-xylene	(60-150)
DCB = Decachlorobiphenyl	(60-150)

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

2F
SOIL PESTICIDE SURROGATE RECOVERY

Lab Name:Wadsworth/ALERT Labs Contract:68-DI-0085

Lab Code:WADS Case No.:19026 SAS No.: SDG No.:EQK01

GC Column(1):RTX1701 ID: 0.53 (mm) GC Column(2):RTX5 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	EQK01	107	87	343*	82			1
02	EQK01DL	107	118	378*	118			1
03	EQK02	110	104	122	116			0
04	EQK02MS	110	91	128	122			0
05	EQK02MSD	110	91	122	116			0
06	EQK08	102	71	106	138			0
07	EQK09	95	70	100	81			0
08	PBLKII	105	90	98	98			0
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	ADVISORY QC LIMITS
TCX = Tetrachloro-m-xylene	(60-150)
DCB = Decachlorobiphenyl	(60-150)

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

3E

WATER PESTICIDE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name:Wadsworth/ALERT Labs Contract:68-DI-0085

Lab Code:WADS Case No.:19026 SAS No.: SDG No.:EQK01

Matrix Spike - EPA Sample No.: EQK26

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC #	QC LIMITS REC.
gamma-BHC(Lindane)	0.50	0.0	0.37	74	56-123
Heptachlor	0.50	0.0	0.33	66	40-131
Aldrin	0.50	0.0	0.32	64	40-120
Dieldrin	1.0	0.0	0.73	73	52-126
Endrin	1.0	0.0	0.76	76	56-121
4,4'-DDT	1.0	0.0	0.82	82	38-127

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
gamma-BHC(Lindane)	0.50	0.41	82	10	15	56-123
Heptachlor	0.50	0.39	78	17	20	40-131
Aldrin	0.50	0.38	76	17	22	40-120
Dieldrin	1.0	0.81	81	10	18	52-126
Endrin	1.0	0.85	85	11	21	56-121
4,4'-DDT	1.0	0.90	90	9	27	38-127

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:

SOIL PESTICIDE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name:Wadsworth/ALERT Labs Contract:68-DI-0085

Lab Code:WADS Case No.:19026 SAS No.: SDG No.:EQK01

Matrix Spike - EPA Sample No.: EQK02

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC #	QC LIMITS REC.
gamma-BHC(Lindane)	21.	0.0	21.	100	46-127
Heptachlor	21.	0.0	22.	105	35-130
Aldrin	21.	0.0	21.	100	34-132
Dieldrin	41.	0.0	43.	105	31-134
Endrin	41.	0.0	46.	112	42-139
4,4'-DDT	41.	0.0	55.	134	23-134

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
gamma-BHC(Lindane)	21.	21.	100	0	50	46-127
Heptachlor	21.	22.	105	0	31	35-130
Aldrin	21.	20.	95	5	43	34-132
Dieldrin	41.	43.	105	0	38	31-134
Endrin	41.	46.	112	0	45	42-139
4,4'-DDT	41.	55.	134	0	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:

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PBLKI

Lab Name:Wadsworth/ALERT Labs Contract:68-DI-0085

Lab Code:WADS Case No.19026 SAS No.: SDG No.:EQK01

Matrix: (soil/water)WATER Lab Sample ID: 90430

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

% Moisture: decanted: (Y/N) Date Received: / /

Extraction: (SepF/Cont/Sonc)CONT Date Extracted: 4/30/92

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 5/18/92

Injection Volume: 1.0 (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	0.005	J
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
7421-93-4	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.

PBLKII

Lab Name:Wadsworth/ALERT Labs Contract:68-DI-0085

Lab Code:WADS Case No.19026 SAS No.: SDG No.:EQK01

Matrix: (soil/water)SOIL Lab Sample ID: 92504

Sample wt/vol: 30(g/ml)G Lab File ID:

% Moisture: 0 decanted: (Y/N) N Date Received: / /

Extraction: (SepF/Cont/Sonc)SONC Date Extracted: 5/04/92

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 5/19/92

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS (ug/L or ug/Kg)UG/KG	Q
319-84-6	alpha-BHC	1.7	U
319-85-7	beta-BHC	1.7	U
319-86-8	delta-BHC	1.7	U
58-89-9	gamma-BHC(Lindane)	1.7	U
76-44-8	Heptachlor	1.7	U
309-00-2	Aldrin	1.7	U
1024-57-3	Heptachlor epoxide	0.087	JP
959-98-8	Endosulfan I	1.7	U
60-57-1	Dieldrin	3.3	U
72-55-9	4,4'-DDE	3.3	U
72-20-8	Endrin	3.3	U
33213-65-9	Endosulfan II	3.3	U
72-54-8	4,4'-DDD	3.3	U
1031-07-8	Endosulfan sulfate	3.3	U
50-29-3	4,4'-DDT	3.3	U
72-43-5	Methoxychlor	17.	U
53494-70-5	Endrin ketone	3.3	U
7421-93-4	Endrin aldehyde	3.3	U
5103-71-9	alpha-Chlordane	1.7	U
5103-74-2	gamma-Chlordane	1.7	U
8001-35-2	Toxaphene	170.	U
12674-11-2	Aroclor-1016	33.	U
11104-28-2	Aroclor-1221	67.	U
11141-16-5	Aroclor-1232	33.	U
53469-21-9	Aroclor-1242	33.	U
12672-29-6	Aroclor-1248	33.	U
11097-69-1	Aroclor-1254	33.	U
11096-82-5	Aroclor-1260	33.	U

4C

PESTICIDE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PBLKI

Lab Name:Wadsworth/ALERT Labs Contract:68-DI-0085

Lab Code:WADS Case No.:19026 SAS No.: SDG No.:EQK01

Lab Sample ID:90430 Lab File ID:

Matrix:(soil/water) WATER Extraction:(SepF/Cont/Sonc)CONT

Sulfur Cleanup: (Y/N) N Date Extracted: 4/30/92

Date Analyzed (1): 5/18/92 Date Analyzed (2): 5/18/92

Time Analyzed (1):2223 Time Analyzed (2):2223

Instrument ID (1):HP5890XA Instrument ID (2):HP5890XB

GC Column (1):RTX1701 ID: 0.53(mm) GC Column (2):RTX5 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	EQK26	60304	5/18/92	5/18/92
02	EQK26MS	60304MS	5/18/92	5/18/92
03	EQK26MSD	60304MSD	5/19/92	5/19/92
04	EQK27	60305	5/19/92	5/19/92
05	EQK28	60306	5/19/92	5/19/92
06				
07				
08				
09				
10				
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26				

COMMENTS:

4C

PESTICIDE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PBLKII

Lab Name:Wadsworth/ALERT Labs Contract:68-DI-0085

Lab Code:WADS Case No.:19026 SAS No.: SDG No.:EQK01

Lab Sample ID:92504 Lab File ID:

Matrix:(soil/water) SOIL Extraction:(SepF/Cont/Sonc)SONC

Sulfur Cleanup: (Y/N) N Date Extracted: 5/04/92

Date Analyzed (1): 5/19/92 Date Analyzed (2): 5/19/92

Time Analyzed (1):0749 Time Analyzed (2):0749

Instrument ID (1):HP5890XA Instrument ID (2):HP5890XB

GC Column (1):RTX1701 ID: 0.53(mm) GC Column (2):RTX5 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	EQK01	60014	5/19/92	5/19/92
02	EQK01DL	60014DL	5/19/92	5/19/92
03	EQK02	60020	5/19/92	5/19/92
04	EQK02MS	60020MS	5/19/92	5/19/92
05	EQK02MSD	60020MSD	5/19/92	5/19/92
06	EQK08	60016	5/19/92	5/19/92
07	EQK09	60017	5/19/92	5/19/92
08				
09				
10				
11				
12				
13				
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26				

COMMENTS:

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EQK01

Lab Name:Wadsworth/ALERT Labs Contract:68-DI-0085

Lab Code:WADS Case No.19026 SAS No.: SDG No.:EQK01

Matrix: (soil/water)SOIL Lab Sample ID: 60014

Sample wt/vol: 30(g/ml)G Lab File ID:

% Moisture: 32 decanted: (Y/N) N Date Received: 4/29/92

Extraction: (SepF/Cont/Sonc)SONC Date Extracted: 5/04/92

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 5/19/92

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N)Y pH: 9.0 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS (ug/L or ug/Kg)UG/KG	Q
319-84-6	alpha-BHC	2.5	U ~~P~~
319-85-7	beta-BHC	2.5	U
319-86-8	delta-BHC	2.5	U
58-89-9	gamma-BHC(Lindane)	2.5	U
76-44-8	Heptachlor	2.5	U
309-00-2	Aldrin	2.5	U
1024-57-3	Heptachlor epoxide	2.5	U
959-98-8	Endosulfan I	2.5	U
60-57-1	Dieldrin	4.9	U
72-55-9	4,4'-DDE	SR (4.9) ~~2.5~~ ~~1.1~~	~~JP~~ U
72-20-8	Endrin	4.9 ~~0.83~~	~~JP~~ U
33213-65-9	Endosulfan II	4.9	U
72-54-8	4,4'-DDD	4.9	U
1031-07-8	Endosulfan sulfate	4.9	U ~~P~~
50-29-3	4,4'-DDT	4.9	U ~~P~~
72-43-5	Methoxychlor	25.	U ~~P~~
53494-70-5	Endrin ketone	3.8	JP
7421-93-4	Endrin aldehyde	4.9	U
5103-71-9	alpha-Chlordane	2.5	U
5103-74-2	gamma-Chlordane	2.5	U
8001-35-2	Toxaphene	250.	U
12674-11-2	Aroclor-1016	49.	U
11104-28-2	Aroclor-1221	98.	U
11141-16-5	Aroclor-1232	49.	U
53469-21-9	Aroclor-1242	49.	U
12672-29-6	Aroclor-1248	49.	U
11097-69-1	Aroclor-1254	49.	U
11096-82-5	Aroclor-1260	49.	U

SR 6/12/92

JKG 5/21/92

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EQK01DL

Lab Name:Wadsworth/ALERT Labs Contract:68-DI-0085

Lab Code:WADS Case No.19026 SAS No.: SDG No.:EQK01

Matrix: (soil/water)SOIL Lab Sample ID: 60014DL

Sample wt/vol: 30(g/ml)G Lab File ID:

% Moisture: 32 decanted: (Y/N) N Date Received: 4/29/92

Extraction: (SepF/Cont/Sonc)SONC Date Extracted: 5/04/92

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 5/19/92

Injection Volume: 1.0 (uL) Dilution Factor: 10.0

GPC Cleanup: (Y/N)Y pH: 9.0 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS (ug/L or ug/Kg)UG/KG	Q
319-84-6	alpha-BHC	25.	U
319-85-7	beta-BHC	25.	U
319-86-8	delta-BHC	25.	U
58-89-9	gamma-BHC(Lindane)	25.	U
76-44-8	Heptachlor	25.	U
309-00-2	Aldrin	25.	U
1024-57-3	Heptachlor epoxide	25.	U
959-98-8	Endosulfan I	25.	U
60-57-1	Dieldrin	49.	U
72-55-9	4,4'-DDE	49.	U
72-20-8	Endrin	49.	U
33213-65-9	Endosulfan II	49.	U
72-54-8	4,4'-DDD	49.	U
1031-07-8	Endosulfan sulfate	49.	U
50-29-3	4,4'-DDT	49.	U
72-43-5	Methoxychlor	250.	U
53494-70-5	Endrin ketone	4.6	DJP
7421-93-4	Endrin aldehyde	49.	U
5103-71-9	alpha-Chlordane	25.	U
5103-74-2	gamma-Chlordane	25.	U
8001-35-2	Toxaphene	2500.	U
12674-11-2	Aroclor-1016	490.	U
11104-28-2	Aroclor-1221	980.	U
11141-16-5	Aroclor-1232	490.	U
53469-21-9	Aroclor-1242	490.	U
12672-29-6	Aroclor-1248	490.	U
11097-69-1	Aroclor-1254	490.	U
11096-82-5	Aroclor-1260	490.	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EQK02

Lab Name:Wadsworth/ALERT Labs Contract:68-DI-0085

Lab Code:WADS Case No.19026 SAS No.: SDG No.:EQK01

Matrix: (soil/water)SOIL Lab Sample ID: 60020

Sample wt/vol: 30(g/ml)G Lab File ID:

% Moisture: 19 decanted: (Y/N) N Date Received: 4/29/92

Extraction: (SepF/Cont/Sonc)SONC Date Extracted: 5/04/92

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 5/19/92

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N)Y pH: 6.7 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS (ug/L or ug/Kg)UG/KG	Q
319-84-6	alpha-BHC	0.18	JP
319-85-7	beta-BHC	2.1	U
319-86-8	delta-BHC	2.1	U
58-89-9	gamma-BHC(Lindane)	2.1	U
76-44-8	Heptachlor	2.1	U
309-00-2	Aldrin	2.1	U
1024-57-3	Heptachlor epoxide	2.1	U
959-98-8	Endosulfan I	2.1	U
60-57-1	Dieldrin	4.1	U
72-55-9	4,4'-DDE	4.1	U
72-20-8	Endrin	4.1	U
33213-65-9	Endosulfan II	4.1	U
72-54-8	4,4'-DDD	4.1	U
1031-07-8	Endosulfan sulfate	4.1 ~~0.40~~	~~JP~~ U
50-29-3	4,4'-DDT	4.1	U
72-43-5	Methoxychlor	21.	U
53494-70-5	Endrin ketone	4.1	U
7421-93-4	Endrin aldehyde	4.1	U
5103-71-9	alpha-Chlordane	2.1	U
5103-74-2	gamma-Chlordane	2.1	U
8001-35-2	Toxaphene	210.	U
12674-11-2	Aroclor-1016	41.	U
11104-28-2	Aroclor-1221	82.	U
11141-16-5	Aroclor-1232	41.	U
53469-21-9	Aroclor-1242	41.	U
12672-29-6	Aroclor-1248	41.	U
11097-69-1	Aroclor-1254	41.	U
11096-82-5	Aroclor-1260	41.	U

ST 6/12/92

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EQK08

Lab Name:Wadsworth/ALERT Labs Contract:68-DI-0085

Lab Code:WADS Case No.19026 SAS No.: SDG No.:EQK01

Matrix: (soil/water)SOIL Lab Sample ID: 60016

Sample wt/vol: 30(g/ml)G Lab File ID:

% Moisture: 53 decanted: (Y/N) N Date Received: 4/29/92

Extraction: (SepF/Cont/Sonc)SONC Date Extracted: 5/04/92

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 5/19/92

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N)Y pH:10.4 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS (ug/L or ug/Kg)UG/KG	Q
319-84-6	alpha-BHC	3.5	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 P
309-00-2	Aldrin	3.5	U
1024-57-3	Heptachlor epoxide	3.5	U P
959-98-8	Endosulfan I	3.5	U P
60-57-1	Dieldrin	7.1	U
72-55-9	4,4'-DDE	1.5	JP
72-20-8	Endrin	7.1	U
33213-65-9	Endosulfan II	7.1	U
72-54-8	4,4'-DDD	7.1	U
1031-07-8	Endosulfan sulfate	7.1	U
50-29-3	4,4'-DDT	7.1	U
72-43-5	Methoxychlor	35.	U
53494-70-5	Endrin ketone	7.1	U
7421-93-4	Endrin aldehyde	7.1	U
5103-71-9	alpha-Chlordane	0.54	JP
5103-74-2	gamma-Chlordane	3.5	U
8001-35-2	Toxaphene	350.	U
12674-11-2	Aroclor-1016	71.	U
11104-28-2	Aroclor-1221	140.	U
11141-16-5	Aroclor-1232	71.	U
53469-21-9	Aroclor-1242	71.	U
12672-29-6	Aroclor-1248	71.	U
11097-69-1	Aroclor-1254	71.	U
11096-82-5	Aroclor-1260	71.	U

JKG 5/21/92

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EQK09

Lab Name:Wadsworth/ALERT Labs Contract:68-DI-0085

Lab Code:WADS Case No.19026 SAS No.: SDG No.:EQK01

Matrix: (soil/water)SOIL Lab Sample ID: 60017

Sample wt/vol: 30(g/ml)G Lab File ID:

% Moisture: 64 decanted: (Y/N) N Date Received: 4/29/92

Extraction: (SepF/Cont/Sonc)SONC Date Extracted: 5/04/92

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 5/19/92

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N)Y pH:10.3 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS (ug/L or ug/Kg)UG/KG	Q
319-84-6	alpha-BHC	4.6	U
319-85-7	beta-BHC	4.6	U
319-86-8	delta-BHC	4.6	U
58-89-9	gamma-BHC(Lindane)	4.6	U
76-44-8	Heptachlor	4.6	U
309-00-2	Aldrin	4.6	U
1024-57-3	Heptachlor epoxide	4.6	U ~~P~~
959-98-8	Endosulfan I	4.6	U
60-57-1	Dieldrin	9.3	U
72-55-9	4,4'-DDE	4.6 ~~0.52~~	~~JP~~ U
72-20-8	Endrin	9.3	U
33213-65-9	Endosulfan II	9.3	U
72-54-8	4,4'-DDD	9.3	U
1031-07-8	Endosulfan sulfate	9.3	U
50-29-3	4,4'-DDT	9.3	U
72-43-5	Methoxychlor	46.	U
53494-70-5	Endrin ketone	9.3	U
7421-93-4	Endrin aldehyde	9.3	U
5103-71-9	alpha-Chlordane	4.6	U
5103-74-2	gamma-Chlordane	4.6	U
8001-35-2	Toxaphene	460.	U
12674-11-2	Aroclor-1016	93.	U
11104-28-2	Aroclor-1221	190.	U
11141-16-5	Aroclor-1232	93.	U
53469-21-9	Aroclor-1242	93.	U
12672-29-6	Aroclor-1248	93.	U
11097-69-1	Aroclor-1254	93.	U
11096-82-5	Aroclor-1260	93.	U

JKG 5/21/92

ST 6/12/92

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EQK26

Lab Name:Wadsworth/ALERT Labs Contract:68-DI-0085

Lab Code:WADS Case No.19026 SAS No.: SDG No.:EQK01

Matrix: (soil/water)WATER Lab Sample ID: 60304

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

% Moisture: decanted: (Y/N) Date Received: 4/30/92

Extraction: (SepF/Cont/Sonc)CONT Date Extracted: 4/30/92

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 5/18/92

Injection Volume: 1.0 (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	5 6/12/92 0.05	U
1024-57-3	Heptachlor epoxide	0.05 ~~0.004~~	JP8 4 5 6/12/92
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
7421-93-4	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.

EQK27

Lab Name:Wadsworth/ALERT Labs Contract:68-DI-0085

Lab Code:WADS Case No.19026 SAS No.: SDG No.:EQK01

Matrix: (soil/water)WATER Lab Sample ID: 60305

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

% Moisture: decanted: (Y/N) Date Received: 4/30/92

Extraction: (SepF/Cont/Sonc)CONT Date Extracted: 4/30/92

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 5/19/92

Injection Volume: 1.0 (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
7421-93-4	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.

EQK28

Lab Name:Wadsworth/ALERT Labs Contract:68-DI-0085

Lab Code:WADS Case No.19026 SAS No.: SDG No.:EQK01

Matrix: (soil/water)WATER Lab Sample ID: 60306

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

% Moisture: decanted: (Y/N) Date Received: 4/30/92

Extraction: (SepF/Cont/Sonc)CONT Date Extracted: 4/30/92

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 5/19/92

Injection Volume: 1.0 (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
7421-93-4	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

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION V

ESD Central Regional Laboratory
Data Tracking Form for Contract Samples

Data Set No._____ CERCLIS No. (OH)

Case No. 19026 Site Name Location: Scottsville

Contractor or EPA Lab: Wadsworth Data User: PRC

No. of Samples: 15 Date Samples or Data Received: June 4-92

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: 15 No. of samples received: 15

Received by: A.D. Harris Date: June 4-92

Received by LSSS: DMM Date: 6-4-92

Review started: 6/10/92 Reviewer Signature: Stephanie N. Tobin

Total time spent on review: 21 hrs Date review completed: 6/18/92

Copied by: Dorothy Anderson Date: 6-27-92

Mailed to user by: Lynette Burnett Date: 6-25-92

DATA USERS:
Please fill in the blanks below and return this form to:
Sylvia Griffin, Data Mgmt. Coordinator, Region V, 5SCRL

Data received by:_____ Date:_____

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:_____

ORGANICS COMPLETE SDG FILE (CSF) INVENTORY SHEET

LABORATORY NAME WADSWORTH/ALERT
CITY/STATE N. CANTON, OH

CASE NO. 19026 SDG NO. EQK01 SDG NOS. TO FOLLOW _____
_____ _____ SAS NO. _____

CONTRACT NO. 68-D1-0085
SOW NO. OLM01.8

All documents delivered in the complete SDG file must be original documents where possible. (REFERENCE EXHIBIT B, SECTION II and SECTION III.)

	PAGE NOs FROM	PAGE NOs TO	CHECK LAB	CHECK EPA
1. Inventory Sheet (Form DC-2) (Do not number)	N/A			
2. SDG Case Narrative	1	1A	✓	✓
3. SDG Cover Sheet/Traffic Report	2	5	✓	✓
4. Volatiles Data				
a. QC Summary				
System Monitoring Compound Summary (Form II VOA)	6	7	✓	✓
Matrix Spike/Matrix Spike Duplicate Summary (Form III VOA)	8	9	✓	✓
Method Blank Summary (Form IV VOA)	10	12	✓	✓
GC/MS Instrument Performance Check (Form V VOA)	13	17	✓	✓
Internal Standard Area and RT Summary (Form VIII VOA)	18	20	✓	✓
b. Sample Data	21	136		
TCL Results - (Form I VOA)			✓	✓
Tentatively Identified Compounds (Form I VOA-TIC)			✓	✓
Reconstructed total ion chromatograms (RIC) for each sample			✓	✓
For each sample:				
Raw spectra and background-subtracted mass spectra of target compounds identified			✓	✓
Quantitation reports			✓	✓
Mass spectra of all reported TICs with three best library matches			✓	✓
c. Standards Data (All Instruments)	137	180		
Initial Calibration Data (Form VI VOA)			✓	✓
RICs and Quan Reports for all Standards			✓	✓
Continuing Calibration Data (Form VII VOA)			✓	✓
RICs and Quantitation Reports for all Standards			✓	✓
d. Raw QC Data				
BFB	181	195	✓	✓
Blank Data	196	212	✓	✓
Matrix Spike/Matrix Spike Duplicate Data	213	228	✓	✓

RECEIVED
JUN 04 1992
US EPA ... FORM ... ORIGINAL LAB.
536 S. CLARK ST.
CHICAGO, ILLINOIS 60605

ORGANICS COMPLETE SDG FILE (CSF) INVENTORY SHEET (Cont.)

CASE NO. 19026 SDG NO. EQK01 SDG NOS. TO FOLLOW _____
_____ _____ SAS NO. _____

	PAGE NOs FROM	PAGE NOs TO	CHECK LAB	CHECK EPA
5. **Semivolatiles Data**				
a. QC Summary				
Surrogate Percent Recovery Summary (Form II SV)	229	230	✓	✓
MS/MSD Summary (Form III SV)	231	232	✓	✓
Method Blank Summary (Form IV SV)	233	235	✓	✓
GC/MS Instrument Performance Check (Form V SV)	236	241	✓	✓
Internal Standard Area and RT Summary (Form VIII SV)	242	249	✓	✓
b. Sample Data	250	580		
TCL Results (Form I SV-1, SV-2)				
Tentatively Identified Compounds (Form I SV-TIC)			✓	✓
Reconstructed total ion chromatograms (RIC) for each sample			✓	✓
For each sample:				
Raw spectra and background-subtracted mass spectra of target compounds			✓	✓
Quantitation reports			✓	✓
Mass spectra of TICs with three best library matches			✓	✓
GPC chromatograms (if GPC performed)			N/A	
c. Standards Data (All Instruments)	581	691		
Initial Calibration Data (Form VI SV-1, SV-2)			✓	✓
RICs and Quan Reports for all Standards			✓	✓
Continuing Calibration Data (Form VII SV-1, SV-2)			✓	✓
RICs and Quantitation Reports for all Standards			✓	✓
Semivolatile GPC Calibration Data-UV detector traces			✓	✓
d. Raw QC Data				
DFTPP	692	718	✓	✓
Blank Data	719	763	✓	✓
Matrix Spike/Matrix Spike Duplicate Data	764	796	✓	✓
6. **Pesticides**				
a. QC Summary				
Surrogate Percent Recovery Summary (Form II PEST)	797	798	✓	✓
MS/MSD Duplicate Summary (Form III PEST)	799	800	✓	✓
Method Blank Summary (Form IV PEST)	801	802	✓	✓

ORGANICS COMPLETE SDG FILE (CSF) INVENTORY SHEET (Cont.)

CASE NO. 19026 SDG NO. EQK01 SDG NOS. TO FOLLOW _____
_____ _____ SAS NO. _____

	PAGE NOs FROM	TO	CHECK LAB	EPA
6. Pesticides (cont.)				
b. Sample Data	803	887		
TCL Results - Organic Analysis Data Sheet (Form I PEST)			✓	✓
Chromatograms (Primary Column)			✓	✓
Chromatograms from second GC column confirmation			✓	✓
GC Integration report or data system printout			✓	✓
Manual work sheets.			N/A	
For pesticides/Aroclors confirmed by GC/MS, copies of raw spectra and copies of background-subtracted mass spectra of target compounds (samples & standards)			N/A	
c. Standards Data	888	1042		
Initial Calibration of Single Component Analytes (Form VI PEST-1 and PEST-2)			✓	✓
Initial Calibration of Multicomponent Analytes (Form VI PEST-3)			✓	✓
Analyte Resolution Summary (Form VI PEST-4)			✓	✓
Calibration Verification Summary (Form VII PEST-1)			✓	✓
Calibration Verification Summary (Form VII PEST-2)			✓	✓
Analytical Sequence (Form VIII PEST)			✓	✓
Florisil Cartridge Check (Form IX PEST-1)			✓	✓
Pesticide GPC Calibration (Form IX PEST-2)			✓	✓
Pesticide Identification Summary for Single Component Analytes (Form X PEST-1)			✓	✓
Pesticide Identification Summary for Multicomponent Analytes (Form X PEST-2)			✓	✓
Chromatograms and data system printouts A printout of retention times and corresponding peak areas or peak heights			✓	✓
Pesticide GPC calibration data - UV detector traces			✓	✓
d. Raw QC Data				
Blank Data	1043	1080	✓	✓
Matrix Spike/Matrix Spike Duplicate Data	1081	1118	✓	✓

ORGANICS COMPLETE SDG FILE (CSF) INVENTORY SHEET (Cont.)

CASE NO. 19026 SDG NO. EQK01 SDG NOS. TO FOLLOW _____
_____ _____ SAS NO. _____

	PAGE NOs FROM	TO	CHECK LAB	EPA
7. Miscellaneous Data				
Original preparation and analysis forms or copies of preparation and analysis logbook pages	1119	1161	✓	✓
Internal sample and sample extract transfer chain-of-custody records	1162	1180	✓	✓
Screening records				
All instrument output, including strip charts from screening activities (describe or list)				
8. EPA Shipping/Receiving Documents				
Airbills (No. of shipments 2)	1181	1182	✓	✓
Chain-of-Custody Records	N/A			
Sample Tags	1183	1183	✓	✓
Sample Log-In Sheet (Lab & DC1)	1184	1188	✓	✓
SDG Cover Sheet	1191	1191	✓	✓
Miscellaneous Shipping/Receiving Records (describe or list)				
CUSTODY SEALS	1189	1190	✓	✓
9. Internal Lab Sample Transfer Records and Tracking Sheets (describe or list)				
	N/A			
10. Other Records (describe or list)				
Telephone Communication Log				
SAMPLE SUMMARY SHEET	1192	1192	✓	✓
VOA pH LOG	1193	1193	✓	✓

11. Comments: _____

Completed by: (CLP Lab) Ron Gibas (Signature) RON GIBAS / CLP MANAGER (Printed Name/Title) 6/3/92 (Date)

Audited by: EPA Stephanie N. Tobin (Signature) STEFFANIE N. TOBIN / Organic data reviewer (Printed Name/Title) 6/10/92 (Date)

INORGANIC/ORGANIC COMPLETE SDG FILE (CSF) INVENTORY CHECKLIST

Case No 19026 SDG No. EQF 81 SDG Nos. To Follow _____ _____ _____ SAS No. _____ Date Recvd 6/4/92

EPA Lab ID: Wadsworth

Lab Location: N. Canton, OH

Region: V Audit No.: _____

Re-Submitted CSF? Yes___ No___

Box No(s): _____

COMMENTS:

1+2 Custody Seals were present at time of arrival

20 · Pest/PCB standards are copies from the originals. The laboratory has the original of the standards

Over for additional comments.

ITEMS	YES	NO	N/A
CUSTODY SEALS			
1. Present on package?	✓		
2. Intact upon receipt?	✓		
FORM DC-2			
3. Numbering scheme accurate?	✓		
4. Are enclosed documents listed?	✓		
5. Are listed documents enclosed?	✓		
FORM DC-1			
6. Present?	✓		
7. Complete?	✓		
8. Accurate?	✓		
CHAIN-OF-CUSTODY RECORD(s)			
9. Signed?	✓		
10. Dated?	✓		
TRAFFIC REPORT(s) PACKING LIST(s)			
11. Signed?	✓		
12. Dated?	✓		
AIRBILLS/AIRBILL STICKER			
13. Present?	✓		
14. Signed?	✓		
15. Dated?	✓		
SAMPLE TAGS			
16. Does DC-1 list tags as being included?	✓		–
17. Present?	✓		–
ALL DOCUMENTS			
18. Activities identified?	✓	–	
19. Legible?	✓		
20. Original?		✓	
20a. If "NO," does the copy indicate where original documents are located?	✓		

Received by: Adrenus D Harris Adrenus D Harris / Data Coord Date 6/4/92

Audited by: Stefanie N. Tobin STEFFANIE N. TOBIN / organic data reviewer Date 6/10/92

Audited by: _____ _____ Date __/__/__

Signature Printed Name/Title

TO BE COMPLETED BY CEAT

Date Recvd by CEAT: __/__/__ Date Entered: __/__/__ Date Reviewed: __/__/__

Entered by: _____ _____

Reviewed by: _____ _____

Signature Printed Name/Title

DC-2 ___

SAMPLE DELIVERY GROUP (SDG)
TRAFFIC REPORT (TR) COVER SHEET

Lab Name: WADSWORTH/ALERT Contract No.: 68-D1-0085

Lab Code: WADS Case No.: 19026 SAS No.: _____-___

Full Sample Analysis Price in Contract: $ 724.00

SDG No./First Sample in SDG: EQK 01 Sample Receipt Date: 4/29/92 (MM/DD/YY)
(Lowest EPA Sample Number in first shipment of samples received under SDG)

Last Sample in SDG: EQK 29 Sample Receipt Date: 4/30/92 (MM/DD/YY)
(Highest EPA Sample Number in last shipment of samples received under SDG)

EPA Sample Numbers in the SDG (listed in alphanumeric order):

1	EQK01	11	EQK11
2	EQK02	12	EQK26
3	EQK03	13	EQK27
4	EQK04	14	EQK28
5	EQK05	15	EQK29
6	EQK06	16	
7	EQK07	17	
8	EQK08	18	
9	EQK09	19	
10	EQK10	20	

Note: There are a maximum of 20 field samples in an SDG.

Attach Traffic Reports to this form in alphanumeric order (i.e., the order listed on this form).

Ron Gibas
Sample Custodian

4/30/92
Date

Sattrolloy

COVER SHEET

LABORATORY RESPONSE TO RESULTS OF
CONTRACT COMPLIANCE SCREENING (CCS)

Response To: (Check One) X Organic CCS

_____ Inorganic CCS

Response materials should be sent to the attention of the CCS Coordinator.

Labcode: WADS

Response Date 6/17/92

Date Screening Results Received at Laboratory 6/12/92

EPA Contract No. 68-D1-0085

Case No. 19026

SDG No. EQK01

Samples Nos.*

EQK01	EQK07
EQK02	EQK08
EQK03	EQK09
EQK04	EQK10
EQK05	EQK11
EQK06	

*Only list sample numbers that require reconciliation.

This form is used to identify materials sent in response to results of Contract Compliance Screening (CCS). A separate form must accompany the response for each SDG.

Please indicate (on the attached continuation form) which fractions and/or which criteria correspond with your resubmission. Response materials sent to CCS whould also be copied to the Region and to EMSL/LV, each with this blue Cover Sheet.

Laboratory Response to Results of CCS

Criterion	Comments
D	VOA- indicates form 6A for INCOS 50-1 exceeded the % RSD criteria.
	A corrected form is submitted with this response.

6A
VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name:WADSWORTH/ALERT Contract:68-D1-0085

Lab Code:WADS Case No.:19026 SAS No.: SDG No.:EQK01

Instrument ID:INCOS50-1 Calibration Date(s): 4/29/92 4/29/92

Heated Purge: (Y/N) Y Calibration Times: 1345 1653

GC Column:RTX502.2 ID: 0.53 (mm)

LAB FILE ID: RRF10 =VOI3294 RRF20 =VOI3293
RRF50 =VOI3290 RRF100=VOI3292 RRF200=VOI3291

COMPOUND		RRF10	RRF20	RRF50	RRF100	RRF200	$\overline{RRF}$	% RSD	
Chloromethane		1.173	1.518	1.012	1.166	1.448	1.263	16.8	
Bromomethane	*	1.461	1.394	1.159	1.375	1.915	1.461	19.0	*
Vinyl Chloride	*	1.459	1.515	1.094	1.378	1.644	1.418	14.5	*
Chloroethane		0.829	0.783	0.611	0.767	1.060	0.810	20.0	
Methylene Chloride		1.400	1.313	1.115	1.003	1.238	1.214	13.0	
Acetone		0.467	0.470	0.425	0.371	0.390	0.425	10.5	
Carbon Disulfide		2.635	2.664	2.518	2.328	2.885	2.606	7.8	
1,1-Dichloroethene	*	1.451	1.319	1.152	0.939	1.215	1.215	15.8	*
1,1-Dichloroethane	*	2.047	2.078	1.986	1.711	1.893	1.943	7.6	*
1,2-Dichloroethene (total)		1.546	1.477	1.287	1.103	1.325	1.348	12.9	
Chloroform	*	3.243	2.720	2.813	2.545	3.076	2.879	9.7	*
1,2-Dichloroethane	*	2.121	1.965	1.955	1.774	2.217	2.006	8.5	*
2-Butanone		0.661	0.616	0.662	0.807	1.008	0.751	21.4	
1,1,1-Trichloroethane	*	0.544	0.513	0.388	0.416	0.438	0.460	14.4	*
Carbon Tetrachloride	*	0.675	0.576	0.503	0.514	0.615	0.577	12.4	*
Bromodichloromethane	*	0.873	0.756	0.709	0.735	0.987	0.812	14.3	*
1,2-Dichloropropane		0.388	0.352	0.338	0.333	0.373	0.357	6.5	
cis-1,3-Dichloropropene	*	0.672	0.613	0.596	0.627	0.908	0.683	18.9	*
Trichloroethene	*	0.604	0.554	0.519	0.512	0.528	0.543	6.9	*
Dibromochloromethane	*	1.138	0.866	0.814	0.904	1.059	0.956	14.3	*
1,1,2-Trichloroethane	*	0.551	0.437	0.403	0.430	0.613	0.487	18.6	*
Benzene	*	0.865	0.786	0.757	0.745	0.761	0.783	6.2	*
trans-1,3-Dichloropropene 0.686	*	~~0.526~~	0.576	0.543	0.585	0.855	0.649 ~~0.617~~	~~21.9~~	*19.6
Bromoform	*	1.535	0.993	0.894	1.019	1.241	1.136	22.6	*
4-Methyl-2-Pentanone		0.593	0.610	0.522	0.598	0.778	0.620	15.3	RG 6/17/92
2-Hexanone		0.328	0.334	0.294	0.403	0.566	0.385	28.2	
Tetrachloroethene	*	0.661	0.621	0.559	0.570	0.765	0.635	13.1	*
1,1,2,2-Tetrachloroethane	*	1.470	0.954	0.850	0.973	1.042	1.058	22.7	*
Toluene	*	1.152	1.076	1.004	1.016	1.421	1.134	15.1	*
Chlorobenzene	*	1.269	1.056	0.971	1.019	1.077	1.078	10.6	*
Ethylbenzene	*	0.523	0.443	0.417	0.444	0.442	0.454	8.9	*
Styrene	*	1.277	1.026	0.940	0.995	0.953	1.038	13.3	*
Xylene (total)	*	0.733	0.596	0.553	0.582	0.568	0.606	12.0	*
Toluene-d8		1.013	0.943	0.924	0.972	1.337	1.038	16.4	
Bromofluorobenzene	*	0.854	0.951	0.781	0.814	1.032	0.886	11.7	*
1,2-Dichloroethane-d4		1.722	1.633	1.622	1.489	1.826	1.658	7.6	

* Compounds with required minimum RRF and maximum %RSD values.
All other compounds must meet a minimum RRF of 0.010.

PESTICIDE/PCB DATA

PESTICIDE/PCB QC SUMMARY DATA

PESTICIDE/PCB SAMPLE DATA

COLUMN ID:HP5890XA RTx1701 .53MM
Sample Name : EQK01 (60014) 1UL TMB Report No : 30.00

Peak Processor : Genie Multilevel : False
Instrument : XA Application : Loop
Calculation : ExternalSTD Quantitation : AreaUnits
Result File : /XA/XA518023.RES
Run Time : 35.00 Minutes Injected on Tue May 19, 1992 9:16:27 a

Run Status : EndOffBaseline
SignalOverload

Pk#	RT	Area	Code	NG	NAME
1	3.58	22415	BS	5.176549E-03	
2	3.70	9877	BB	2.281033E-03	
3	3.85	93107	BB	2.150214E-02	
4	3.99	16213	BB	3.744157E-03	
5	4.15	108498	BB	2.505654E-02	
6	4.32	305085	BB	7.045639E-02	
7	4.56	92509	BB	2.136397E-02	
8	4.75	8840	BB	2.041528E-03	
9	4.99	40583	BB	9.372223E-03	
10	5.25	9933	BB	2.293904E-03	
11	5.57	596233	BB	3.155056E-02	Tetrachloro-m-xylene
12	5.87	35581	BB	8.217121E-03	
13	6.23	30504	BB	7.044580E-03	
14	6.89	30386	BB	7.017387E-03	
15	7.26	21462	BB	4.956377E-03	
16	7.42	22884	BB	5.284899E-03	
17	7.60	8900	BB	2.055392E-03	
18	8.84	59112	BB	1.365131E-02	
19	9.30	12402	BB	2.864183E-03	
20	9.67	43080	BB	2.700844E-03	~~alpha-BHC~~ rp 5/21/92
21	10.06	10119	BB	2.336849E-03	
22	11.03	671589	BB	1.550968E-01	
23	11.70	27742	BB	6.406670E-03	
24	11.88	13904	BB	3.210905E-03	
25	12.31	38846	BB	8.971063E-03	
26	12.73	8110	BB	1.872987E-03	
27	12.93	10824	BB	2.499808E-03	
28	13.16	24565	BB	5.673056E-03	
29	14.51	17363	BB	4.009734E-03	
30	14.80	33852	BB	7.817781E-03	
31	15.03	17928	BB	1.201552E-03	Aldrin
32	15.24	12047	BB	2.782141E-03	
33	15.58	12973	BB	2.995921E-03	
34	16.47	20166	BB	4.657197E-03	
35	17.17	57614	BB	6.791110E-03	beta-BHC
36	17.70	1129967	BB	2.609546E-01	
37	18.66	14995	BB	1.048365E-03	Heptachlor epoxide
38	18.97	27553	BB	6.363193E-03	
39	19.32	23543	BB	5.436998E-03	
40	19.50	957878	BB	2.212124E-01	
41	19.65	17118	BB	3.953190E-03	
42	19.75	59159	BB	1.366219E-02	
43	20.10	39130	BB	9.036716E-03	

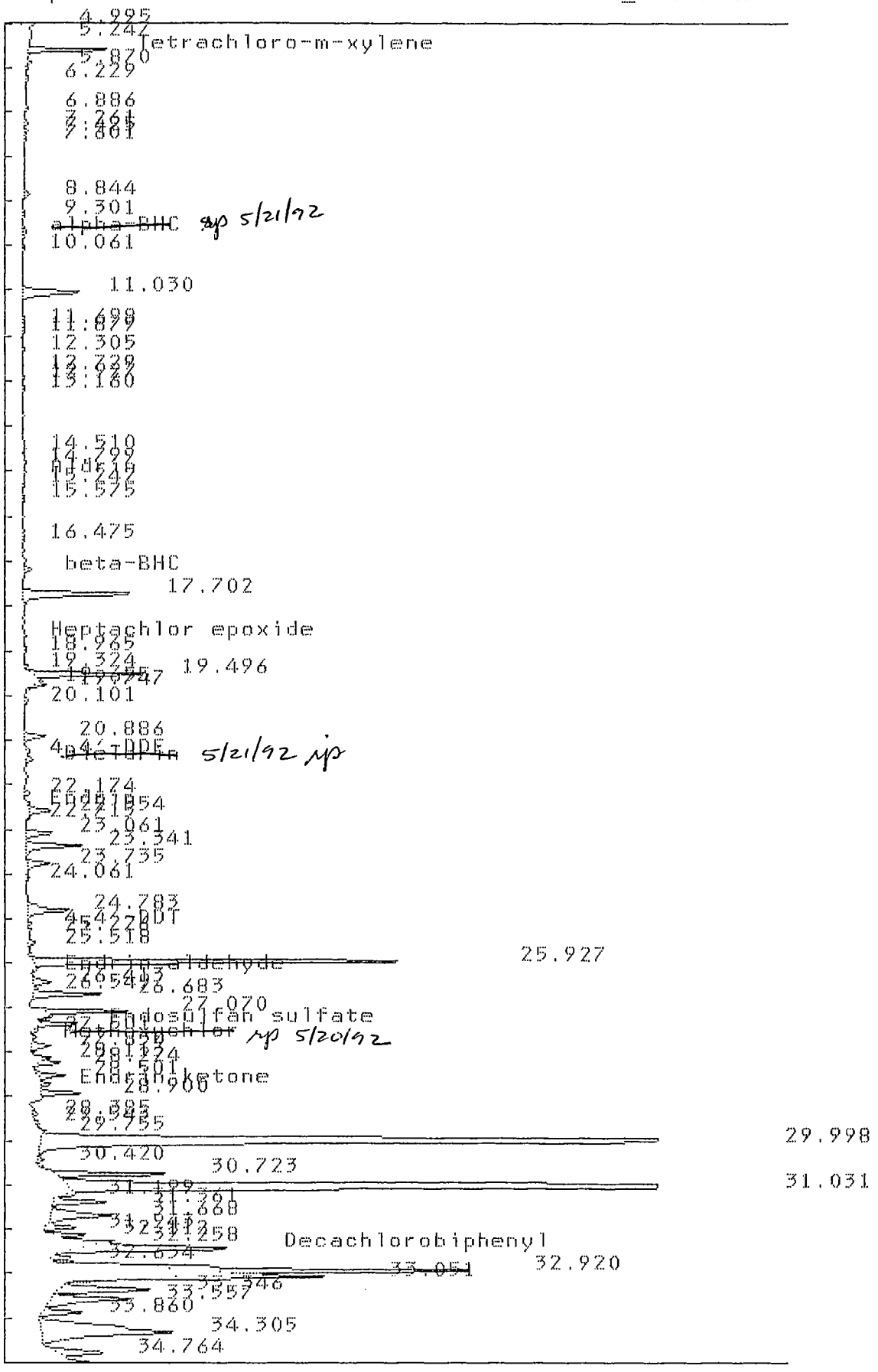
COLUMN ID:HP5890XA RTx1701 .53MM

EQK01
5/19/92
09:16

Pk#	RT	Area	Code	NG	NAME
44	20.89	212329	BB	4.903523E-02	
45	21.27	26689	BB	2.209654E-03	4,4'-DDE
46	21.42	50101	BB	4.121138E-03	~~Dieldrin~~ MP 5/21/92
47	22.17	53741	BB	1.241098E-02	
48	22.41	17711	BB	2.018773E-03	Endrin
49	22.55	208609	BB	4.817616E-02	
50	22.72	8876	BB	2.049721E-03	
51	23.06	283512	BB	6.547418E-02	
52	23.34	532175	BB	1.229004E-01	
53	23.73	237509	BB	5.485030E-02	
54	24.06	9328	BB	2.154094E-03	
55	24.78	496820	BB	1.147356E-01	
56	25.08	25485	BB	9.302616E-03	4,4'-DDT
57	25.23	20108	BB	4.643640E-03	
58	25.52	57683	BB	1.332125E-02	
59	25.93	3228533	BB	7.455974E-01	
60	26.13	19783	BB	2.571414E-03	Endrin aldehyde
61	26.41	171408	BB	3.958490E-02	
62	26.55	16577	BB	3.828262E-03	
63	26.68	589646	BB	1.361728E-01	
64	27.07	658742	BB	1.521299E-01	
65	27.35	231414	BB	2.776302E-02	Endosulfan sulfate
66	27.50	21677	BB	5.006150E-03	
67	27.66	22352	BB	8.284759E-03	~~Methoxychlor~~ MP 5/22/92
68	27.85	190199	BB	4.392456E-02	
69	28.11	50064	BB	1.156168E-02	
70	28.22	141128	BB	3.259204E-02	
71	28.50	274421	BB	6.337474E-02	
72	28.71	71510	BB	9.390049E-03	Endrin ketone
73	28.90	325042	BB	7.506530E-02	
74	29.39	34487	BB	7.964399E-03	
75	29.54	27598	BB	6.373405E-03	
76	29.75	16777	BB	3.874545E-03	
77	30.00	9262730	GB	2.139135E+00	
78	30.42	47441	BB	1.095604E-02	
79	30.72	940536	BB	2.172074E-01	
80	31.03	9232956	GB	2.132259E+00	
81	31.20	53861	BB	1.243865E-02	
82	31.36	445019	BB	1.027727E-01	
83	31.67	823051	BB	1.900755E-01	
84	31.94	233578	BB	5.394256E-02	
85	32.11	238648	BB	5.511338E-02	
86	32.26	149927	BB	3.462416E-02	
87	32.40	1732308	BB	1.273827E-01	Decachlorobiphenyl
88	32.63	137660	BB	3.179125E-02	
89	32.92	3040462	BB	7.021643E-01	
90	33.05	674945	BB	1.558719E-01	
91	33.35	1036961	BB	2.394759E-01	
92	33.56	910138	BB	2.101872E-01	
93	33.86	364513	BB	8.418074E-02	
94	34.31	3011981	BB	6.955869E-01	
95	34.76	572907	BB	1.323072E-01	

Total Area : 46056248 Total NG : 10.197

COLUMN ID:HP5890XA RTx1701 .53MM
SampleName : EQK01 (60014) 1UL TMB
Method : /methods/XAIAIB514.MTH
Injected on :Tue May 19, 1992 9:16:27 am
Report File : /DATA/LOOP/FORMAT/GSHORT_AREA.FMT



COLUMN ID:HP5890XB RTx5 .53MM
Sample Name : EQK01 (60014) 1UL TMB Report No : 30.00

Peak Processor : Genie Multilevel : False
Instrument : XB Application : Loop
Calculation : ExternalSTD Quantitation : AreaUnits
Result File : /XB/XB518023.RES
Run Time : 35.00 Minutes Injected on Tue May 19, 1992 9:16:27 a

Run Status : EndOffBaseline
SignalOverload

Pk#	RT	Area	Code	NG	NAME
1	3.14	36578	BS	8.447403E-03	
2	3.29	180486	BB	4.168151E-02	
3	3.54	40372	BB	9.323606E-03	
4	3.60	19088	BB	4.408162E-03	
5	3.67	12703	BB	2.933525E-03	
6	3.73	16092	BB	3.716359E-03	
7	3.86	48923	BB	1.129836E-02	
8	3.97	102470	BB	2.366439E-02	
9	4.07	84475	BB	1.950871E-02	
10	4.26	144977	BB	3.348108E-02	
11	4.52	10357	BB	2.391906E-03	
12	4.62	9145	BB	2.111873E-03	
13	4.71	31526	BB	7.280501E-03	
14	4.85	74454	BB	1.719432E-02	
15	4.99	33403	BB	7.714028E-03	
16	5.19	11672	BB	2.695539E-03	
17	5.36	1129877	BB	7.985809E-02	Tetrachloro-m-xylene
18	5.52	13778	BB	3.181871E-03	
19	5.71	109505	BB	2.528917E-02	
20	5.91	25678	BB	5.930057E-03	
21	6.04	61946	BB	1.430579E-02	
22	6.40	35601	BB	8.221788E-03	
23	6.75	47847	BB	4.041228E-03	~~alpha BHC~~ alpha BHC MP 5/21/92
24	6.93	55067	BB	1.271717E-02	
25	7.30	8339	BB	1.925912E-03	
26	7.59	1222981	BB	2.824354E-01	
27	8.15	36436	BB	2.701020E-03	~~gamma-BHC(Lindane)~~ MP 5/21/92
28	8.47	63361	BB	1.463269E-02	
29	8.76	158749	BB	3.666154E-02	
30	9.07	149459	BB	3.451604E-02	
31	9.31	18214	BB	4.206236E-03	
32	9.52	46276	BB	1.068697E-02	
33	9.78	54441	BB	1.257257E-02	
34	10.56	19800	BB	4.572618E-03	
35	10.89	86979	BB	2.008693E-02	
36	11.23	94287	BB	2.177475E-02	
37	11.92	155977	BB	3.602144E-02	
38	12.12	23802	BB	5.496748E-03	
39	12.36	146224	BB	1.133171E-02	~~Heptachlor~~ MP 5/21/92
40	12.68	15409	BB	3.558600E-03	
41	12.88	29169	BB	6.736184E-03	
42	13.08	36866	BB	8.513795E-03	
43	13.36	37287	BB	8.611118E-03	

COLUMN ID:HP5890XB RTx5 .53MM

EQK01
5/19/92 09:16

Pk#	RT	Area	Code	NG	NAME
44	13.60	15008	BB	3.465917E-03	
45	14.02	28972	BB	6.690755E-03	
46	14.30	1976042	BB	4.563472E-01	
47	14.73	29437	BB	6.798231E-03	
48	14.94	13533	BB	3.125281E-03	
49	15.05	68660	BB	1.585634E-02	
50	15.65	50354	BB	1.162881E-02	
51	15.84	55762	BB	1.287779E-02	
52	16.02	187135	BB	4.321691E-02	
53	16.20	1852105	BB	4.277253E-01	
54	16.67	21601	BB	4.988539E-03	
55	16.81	293674	BB	6.782112E-02	
56	17.06	56118	BB	1.295989E-02	
57	17.27	87182	BB	2.013373E-02	
58	17.74	366050	BB	8.453558E-02	
59	17.88	41557	BB	9.597074E-03	
60	18.34	222648	BB	1.688938E-02	alpha-Chlordane
61	18.55	26558	BB	6.133198E-03	
62	18.70	799853	BB	1.847180E-01	
63	18.93	173339	BB	4.003101E-02	
64	19.10	59194	BB	1.367023E-02	
65	19.28	53733	BB	1.240905E-02	
66	19.49	967351	BB	9.604484E-02	4,4'-DDE
67	19.77	69785	BB	1.611612E-02	
68	19.90	185949	BB	4.294316E-02	
69	20.11	101502	BB	2.344090E-02	
70	20.31	692792	BB	1.036009E-01	Endrin
71	20.61	16192	BB	3.739324E-03	
72	20.77	244674	BB	5.650495E-02	
73	20.90	13292	BB	1.267625E-03	Endosulfan II
74	21.07	78152	BB	1.804833E-02	
75	21.28	264501	BB	6.108378E-02	
76	21.60	141554	BB	3.269054E-02	
77	21.89	475093	BB	1.097181E-01	
78	22.29	24122	BB	5.570654E-03	
79	22.49	590038	BB	1.362633E-01	
80	22.64	24644	BB	2.773474E-03	~~Endosulfan sulfate~~ MP 5/21/92
81	22.86	5519623	GB	1.274702E+00	
82	23.06	45130	BB	7.583146E-03	~~4,4'-DDT~~ MP 5/21/92
83	23.20	299236	BB	6.910561E-02	
84	23.48	1382657	BB	3.193109E-01	
85	23.77	187834	BB	4.337833E-02	
86	23.97	726737	BB	1.678326E-01	
87	24.25	127475	BB	2.943916E-02	
88	24.54	429590	BB	4.221964E-02	Endrin ketone
89	24.74	1420622	BB	3.280784E-01	
90	25.02	314241	BB	7.257085E-02	
91	25.15	96554	BB	2.229810E-02	
92	25.26	322900	BB	7.457045E-02	
93	25.52	6399983	GB	6.399983E+06	~~Methoxychlor~~ MP 5/21/92
94	25.73	284235	BB	6.564134E-02	
95	26.06	205918	BB	4.755463E-02	
96	26.34	1986150	BB	4.586816E-01	
97	26.92	1442389	BB	3.331054E-01	

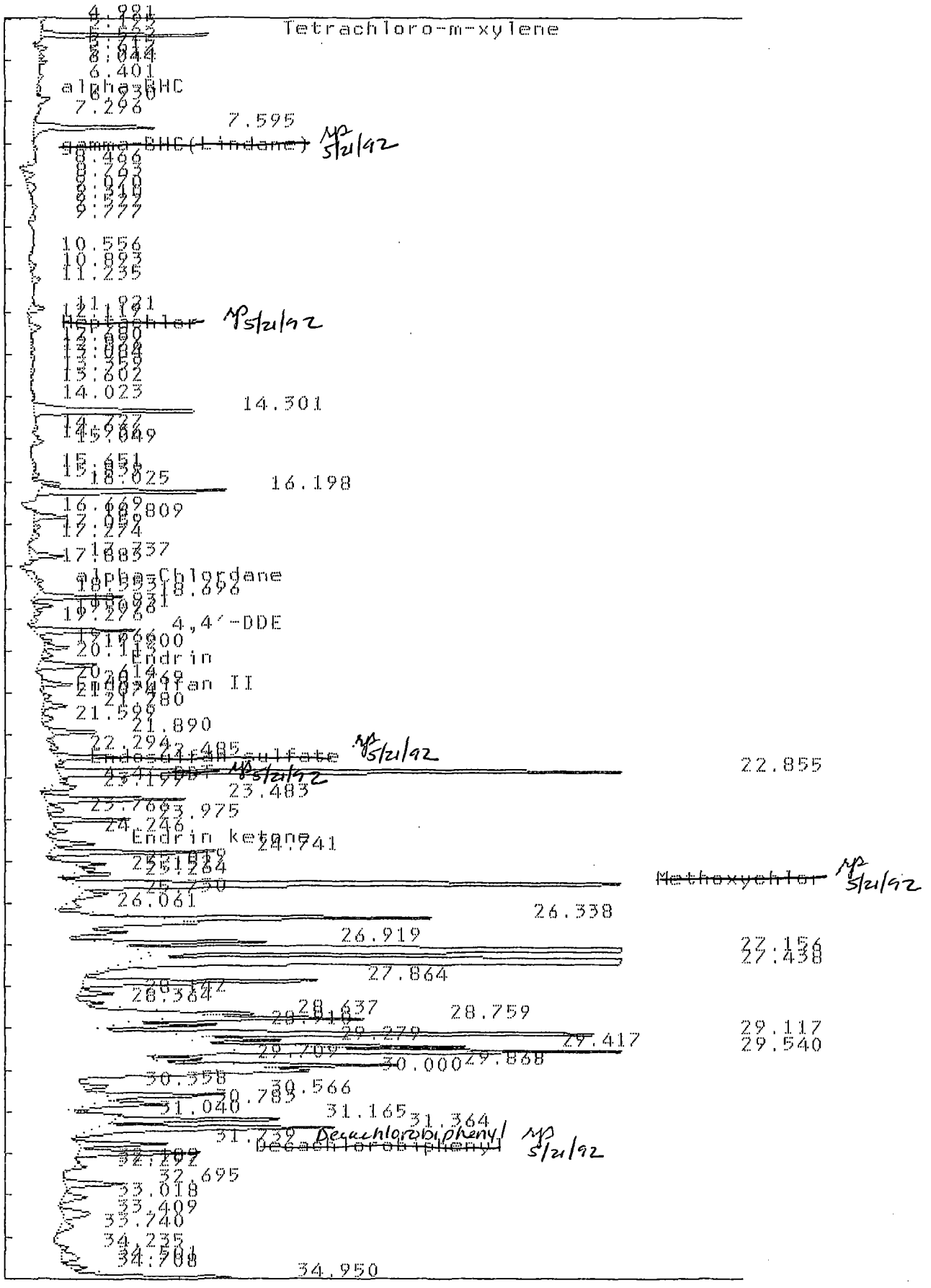
COLUMN ID:HP5890XB RTx5 .53MM

EQK01
5/19/92 09:16

Pk#	RT	Area	Code	NG	NAME
98	27.16	7456630	GB	1.722034E+00	
99	27.44	9023180	GB	2.083813E+00	
100	27.86	2420058	BB	5.588882E-01	
101	28.14	291854	BB	6.740074E-02	
102	28.36	135532	BB	3.129980E-02	
103	28.64	292076	BB	6.745209E-02	
104	28.76	1422742	BB	3.285680E-01	
105	28.91	699897	BB	1.616342E-01	
106	29.12	4125422	GB	9.527251E-01	
107	29.28	582123	BB	1.344356E-01	
108	29.42	1339349	BB	3.093092E-01	
109	29.54	3033606	GB	7.005810E-01	
110	29.71	369970	BB	8.544087E-02	
111	29.87	1319617	BB	3.047525E-01	
112	30.00	186639	BB	4.310241E-02	
113	30.36	244077	BB	5.636706E-02	
114	30.57	1204441	BB	2.781537E-01	
115	30.78	662900	BB	1.530901E-01	
116	31.04	82992	BB	1.916612E-02	
117	31.17	1507374	BB	3.481130E-01	
118	31.36	2579280	BB	5.956589E-01	
119	31.74	799186	BB	1.845639E-01	DECACHLOROBIPHENYL
120	31.95	1183958	BB	8.820596E-02	~~Decachlorobiphenyl~~ MP 5/21/92
121	32.19	9227	BB	2.130982E-03	
122	32.29	38001	BB	8.776037E-03	
123	32.69	654037	BB	1.510432E-01	
124	33.02	294485	BB	6.800845E-02	
125	33.41	498522	BB	1.151287E-01	
126	33.74	174972	BB	4.040815E-02	
127	34.24	88322	BB	2.039709E-02	
128	34.50	270503	BB	6.246998E-02	
129	34.71	170079	BB	3.927810E-02	
130	34.95	487496	BB	1.125824E-01	

Total Area : 79948080 Total NG : 6399997.000

COLUMN ID:HP5890XB RTx5 .53MM
SampleName : EQK01 (60014) 1UL TMB
Method : /METHODS/XBIAIB514.MTH
Injected on :Tue May 19, 1992 9:16:27 am
Report File : /DATA/LOOP/FORMAT/GSHORT_AREA.FMT



COLUMN ID:HP5890XA RTx1701 .53MM
Sample Name : EQK01DL (60014DL) 1:10 1UL TMB Report No : 29.00

Peak Processor : Genie Multilevel : False
Instrument : XA Application : Loop
Calculation : ExternalSTD Quantitation : AreaUnits
Result File : /XA/XA518022.RES
Run Time : 35.00 Minutes Injected on Tue May 19, 1992 8:32:59 a

Run Status : RunStatusOK
EndOffBaseline

Pk#	RT	Area	Code	NG	NAME
1	3.85	16763	BB	3.871312E-03	
2	4.15	17715	BB	4.091206E-03	
3	4.32	54552	BB	1.259820E-02	
4	4.56	30588	BB	7.063966E-03	
5	5.57	61867	BB	3.273770E-03	Tetrachloro-m-xylene
6	11.07	74941	BB	1.730680E-02	
7	11.44	8129	BB	1.877346E-03	
8	11.88	16666	BB	3.848893E-03	
9	17.74	134545	BB	3.107172E-02	
10	19.52	98433	BB	2.273221E-02	
11	19.74	12786	BB	2.952770E-03	
12	20.94	20268	BB	4.680762E-03	
13	22.57	33024	BB	7.626452E-03	
14	23.08	30298	BB	6.997078E-03	
15	23.37	56916	BB	1.314419E-02	
16	23.75	24583	BB	5.677293E-03	
17	24.79	38969	BB	8.999398E-03	
18	25.53	9669	BB	2.232965E-03	
19	25.94	427293	BB	9.867905E-02	
20	26.42	12282	BB	2.836320E-03	
21	26.71	75063	BB	1.733515E-02	
22	27.07	71771	BB	1.657469E-02	
23	27.37	18812	BB	2.256926E-03	Endosulfan sulfate
24	27.86	14701	BB	3.394959E-03	
25	28.24	13291	BB	3.069376E-03	
26	28.51	30512	BB	7.046509E-03	
27	28.72	8567	BB	1.124904E-03	Endrin ketone
28	28.93	45667	BB	1.054636E-02	
29	29.98	1872478	BB	4.324301E-01	
30	30.73	95598	BB	2.207731E-02	
31	31.00	3391202	BB	7.831641E-01	
32	31.37	44258	BB	1.022103E-02	
33	31.68	75157	BB	1.735671E-02	
34	31.96	21597	BB	4.987516E-03	
35	32.12	22359	BB	5.163633E-03	
36	32.29	9550	BB	2.205456E-03	
37	32.43	188917	BB	1.389172E-02	Decachlorobiphenyl
38	32.66	10357	BB	2.391951E-03	
39	32.83	42785	BB	9.880865E-03	
40	32.97	52071	BB	1.202521E-02	
41	33.06	44977	BB	1.038702E-02	
42	33.36	109316	BB	2.524555E-02	
43	33.59	82249	BB	1.899459E-02	

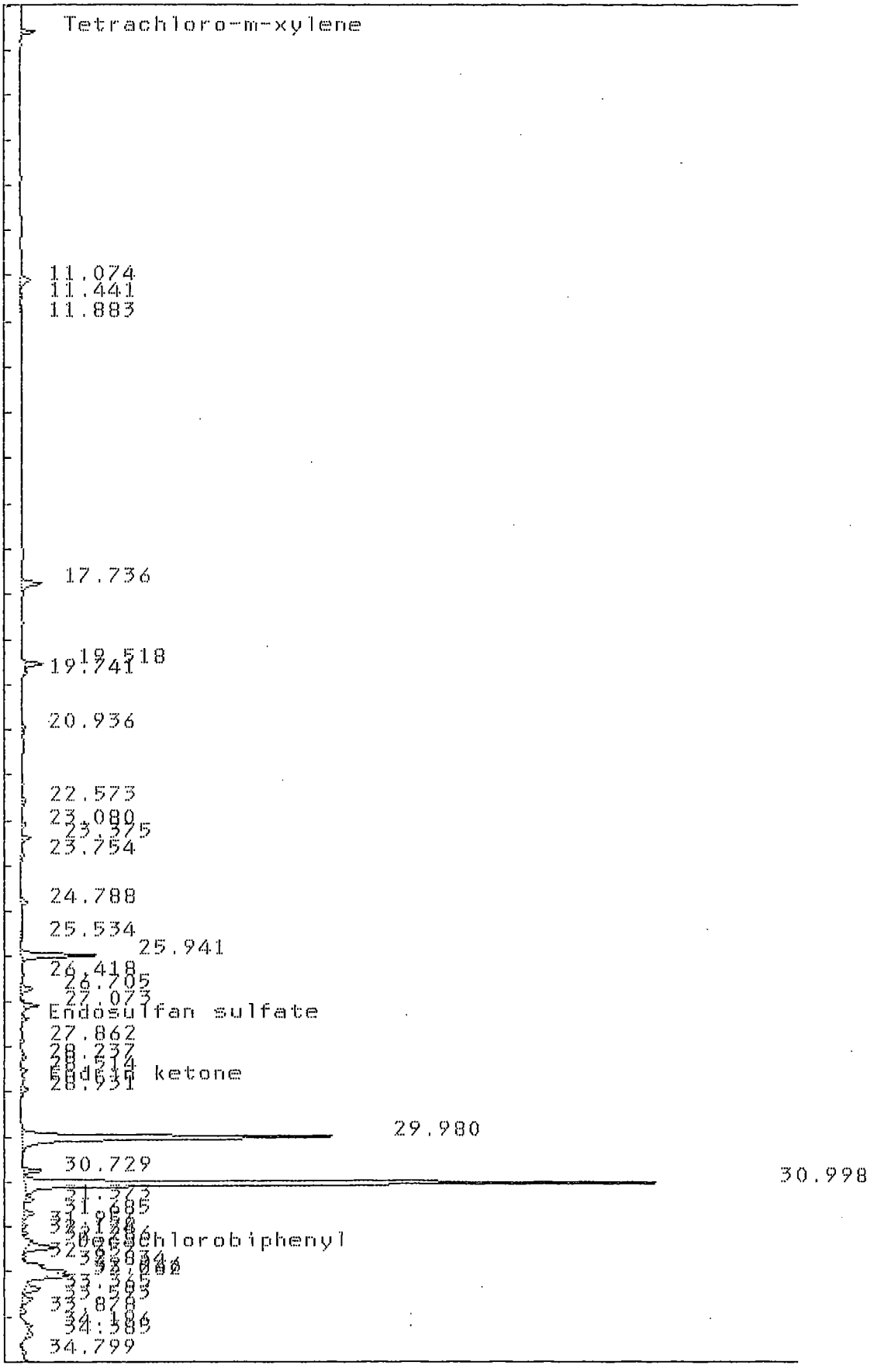
COLUMN ID:HP5890XA RTx1701 .53MM

EQKØ1DL
5/19/92 08:32

Pk#	RT	Area	Code	NG	NAME
44	33.88	28210	BB	6.514916E-03	
45	34.20	42696	BB	9.860113E-03	
46	34.38	35683	BB	8.240631E-03	
47	34.80	23690	BB	5.471037E-03	

Total Area : 7651820 Total NG : 1.723

COLUMN ID:HP5890XA RTx1701 .53MM
SampleName : EQK01DL (60014DL) 1:10 1UL TMB
Method : /methods/XAIAIB514.MTH
Injected on :Tue May 19, 1992 8:32:59 am
Report File : /DATA/LOOP/FORMAT/GSHORT_AREA.FMT



COLUMN ID:HP5890XB RTx5 .53MM
Sample Name : EQK01DL (60014DL) 1:10 1UL TMB Report No : 29.00

Peak Processor : Genie Multilevel : False
Instrument : XB Application : Loop
Calculation : ExternalSTD Quantitation : AreaUnits
Result File : /XB/XB518022.RES
Run Time : 35.02 Minutes Injected on Tue May 19, 1992 8:32:59 a

Run Status : EndOffBaseline
SignalOverload

Pk#	RT	Area	Code	NG	NAME
1	3.29	56145	BB	1.296618E-02	
2	3.96	15019	BB	3.468566E-03	
3	4.07	13241	BB	3.057958E-03	
4	4.85	8762	BB	2.023410E-03	
5	5.36	158567	BB	1.120727E-02	Tetrachloro-m-xylene
6	5.72	8198	BB	1.893241E-03	
7	6.04	8419	BB	1.944342E-03	
8	6.94	18728	BB	4.325107E-03	
9	7.60	127249	BB	2.938691E-02	
10	8.46	31379	BB	7.246744E-03	
11	8.77	73607	BB	1.699876E-02	
12	9.09	21562	BB	4.979478E-03	
13	11.24	9653	BB	2.229258E-03	
14	11.76	16015	BB	3.698496E-03	
15	11.93	20651	BB	4.769228E-03	
16	12.36	49210	BB	3.813575E-03	~~Heptachlor~~ MP 5/21/92
17	14.31	308100	BB	7.115273E-02	
18	14.75	8094	BB	1.869213E-03	
19	16.02	23506	BB	5.428544E-03	
20	16.20	462827	BB	1.068853E-01	
21	16.67	28700	BB	6.628076E-03	
22	16.81	42425	BB	9.797636E-03	
23	17.01	12259	BB	2.831085E-03	
24	17.27	15305	BB	3.534636E-03	
25	17.73	55965	BB	1.292457E-02	
26	17.88	48985	BB	1.131270E-02	
27	18.15	65896	BB	5.494134E-03	Endosulfan I
28	18.70	109600	BB	2.531111E-02	
29	18.93	27946	BB	6.453925E-03	
30	19.11	8455	BB	1.952556E-03	
31	19.27	8539	BB	1.972078E-03	
32	19.50	38856	BB	3.857843E-03	4,4'-DDE
33	19.77	8719	BB	2.013520E-03	
34	19.90	17003	BB	3.926602E-03	
35	20.13	9297	BB	2.147085E-03	
36	20.32	102898	BB	1.538744E-02	Endrin
37	20.77	45392	BB	4.329061E-03	Endosulfan II
38	21.28	27546	BB	6.361418E-03	
39	21.60	17777	BB	4.105479E-03	
40	21.89	50887	BB	1.175182E-02	
41	22.49	97048	BB	2.241220E-02	
42	22.86	925188	BB	2.136629E-01	
43	23.24	47587	BB	1.098979E-02	

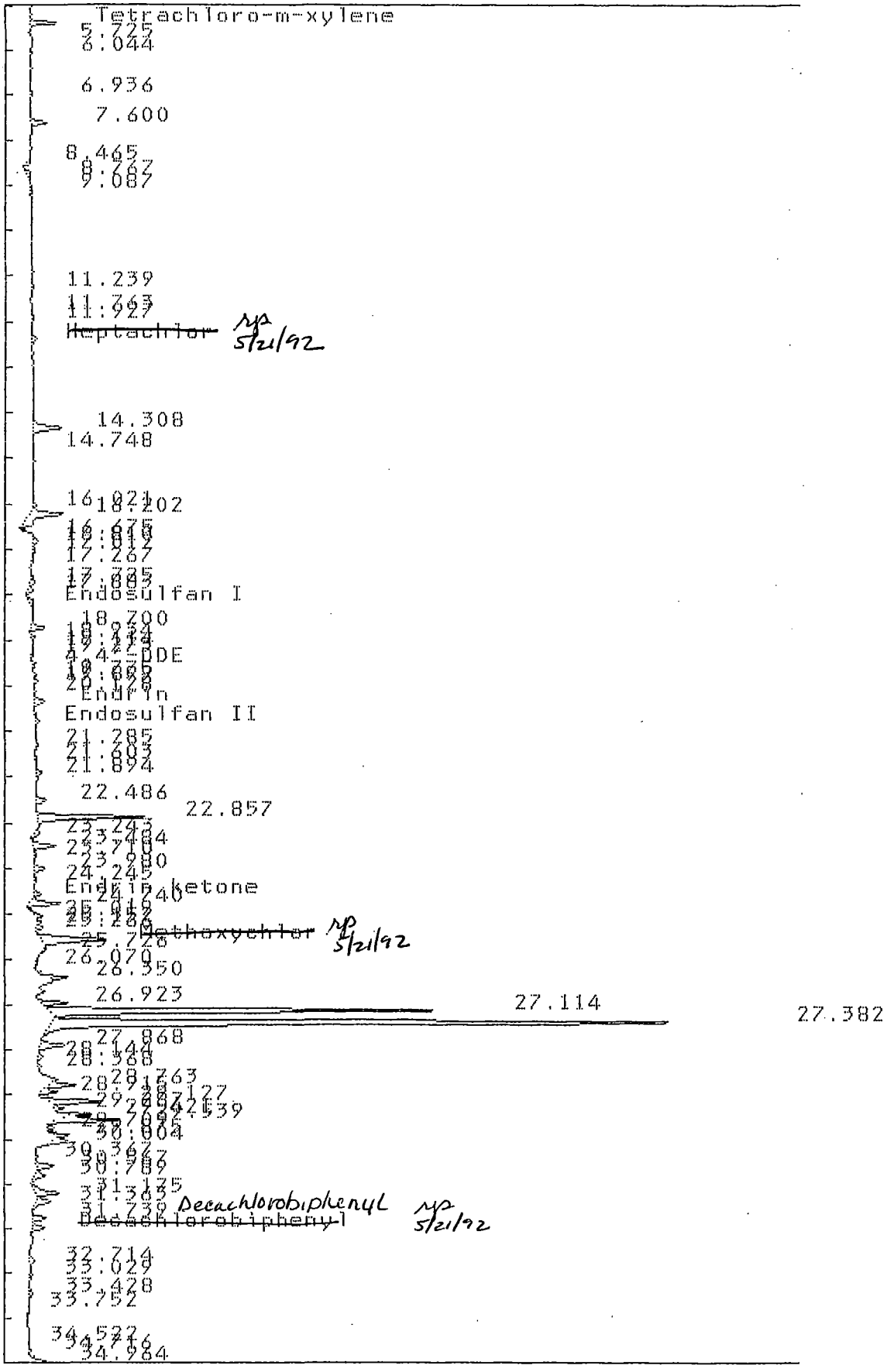
COLUMN ID:HP5890XB RTx5 .53MM

EQK01DL
5/19/92 08:32

Pk#	RT	Area	Code	NG	NAME
44	23.48	215111	BB	4.967781E-02	
45	23.71	19966	BB	4.610871E-03	
46	23.98	100058	BB	2.310747E-02	
47	24.24	21822	BB	5.039663E-03	
48	24.54	67953	BB	6.678345E-03	Endrin ketone
49	24.74	230310	BB	5.318782E-02	
50	25.02	77382	BB	1.787068E-02	
51	25.15	14894	BB	3.439707E-03	
52	25.27	43546	BB	1.005663E-02	
53	25.53	719943	BB	7.199430E+05	~~Methoxychlor~~ MP 5/21/92
54	25.73	10342	BB	2.388363E-03	
55	26.07	18065	BB	4.171846E-03	
56	26.35	118609	BB	2.739162E-02	
57	26.92	204736	BB	4.728164E-02	
58	27.11	3154837	BB	7.285781E-01	
59	27.38	5962886	GB	1.377069E+00	
60	27.87	231404	BB	5.344041E-02	
61	28.14	30952	BB	7.147946E-03	
62	28.37	19350	BB	4.468717E-03	
63	28.76	193287	BB	4.463779E-02	
64	28.91	98723	BB	2.279907E-02	
65	29.13	448768	BB	1.036385E-01	
66	29.29	62717	BB	1.448389E-02	
67	29.42	161115	BB	3.720793E-02	
68	29.54	388962	BB	8.982699E-02	
69	29.71	51361	BB	1.186139E-02	
70	29.88	103969	BB	2.401071E-02	
71	30.00	65782	BB	1.519161E-02	
72	30.37	19420	BB	4.484783E-03	
73	30.57	161687	BB	3.734003E-02	
74	30.79	97116	BB	2.242801E-02	
75	31.18	244815	BB	5.653755E-02	
76	31.36	153180	BB	3.537531E-02	
77	31.74	114589	BB	2.646322E-02	DECACHLOROBIPHENYL MP 5/21/92
78	31.95	114860	BB	8.557172E-03	~~Decachlorobiphenyl~~
79	32.71	61375	BB	1.417395E-02	
80	33.03	26726	BB	6.172193E-03	
81	33.43	46797	BB	1.080735E-02	
82	33.75	17970	BB	4.150001E-03	
83	34.52	16611	BB	3.836209E-03	
84	34.72	14546	BB	3.359140E-03	
85	34.96	12119	BB	2.798650E-03	

Total Area : 17189880 Total NG : 719946.200

COLUMN ID:HP5890XB RTx5 .53MM
SampleName : EQK01DL (60014DL) 1:10 1UL TMB
Method : /METHODS/XBIAIB514.MTH
Injected on :Tue May 19, 1992 8:32:59 am
Report File : /DATA/LOOP/FORMAT/GSHORT_AREA.FMT



COLUMN ID:HP5890XA RTx1701 .53MM
Sample Name : EQK02 (60020) 1UL TMB Report No : 37.00

Peak Processor : Genie Multilevel : False
Instrument : XA Application : Loop
Calculation : ExternalSTD Quantitation : AreaUnits
Result File : /XA/XA518030.RES
Run Time : 35.02 Minutes Injected on Tue May 19, 1992 2:20:48 p

Run Status : EndOffBaseline
SignalOverload

Pk#	RT	Area	Code	NG	NAME
1	3.58	33222	BS	7.672231E-03	
2	3.71	8892	BB	2.053426E-03	
3	3.85	100752	BB	2.326769E-02	
4	3.99	14805	BB	3.419067E-03	
5	4.15	112263	BB	2.592606E-02	
6	4.32	360332	BB	8.321519E-02	
7	4.56	119713	BB	2.764656E-02	
8	5.16	8714	BB	2.012404E-03	
9	5.24	11253	BB	2.598840E-03	
10	5.57	610861	BB	3.232465E-02	Tetrachloro-m-xylene
11	5.87	42684	BB	9.857360E-03	
12	6.20	12615	BB	2.913379E-03	
13	6.58	10558	BB	2.438373E-03	
14	6.96	136869	BB	3.160846E-02	
15	7.35	66734	BB	1.541147E-02	
16	7.94	21272	BB	4.912567E-03	
17	8.38	82919	BB	1.914922E-02	
18	8.84	75738	BB	1.749093E-02	
19	9.28	30138	BB	6.960087E-03	
20	9.74	10305	BB	6.460736E-04	alpha-BHC
21	10.74	9625	BB	2.222858E-03	
22	11.05	70901	BB	1.637391E-02	
23	11.43	11892	BB	2.746371E-03	
24	13.16	43615	BB	1.007237E-02	
25	13.56	28475	BB	6.575950E-03	
26	13.78	8603	BB	1.986795E-03	
27	14.51	53989	BB	1.246827E-02	
28	14.80	65626	BB	1.515560E-02	
29	15.58	18344	BB	4.236437E-03	
30	16.61	32164	BB	7.428029E-03	
31	17.17	88907	BB	1.047974E-02	beta-BHC
32	17.75	16246	BB	3.751938E-03	
33	18.64	19304	BB	1.349653E-03	Heptachlor epoxide
34	19.24	8098	BB	1.870037E-03	
35	19.52	9979	BB	2.304645E-03	
36	20.91	22305	BB	5.151182E-03	
37	21.79	27253	BB	6.293840E-03	
38	22.21	8095	BB	1.869449E-03	
39	23.76	8257	BB	1.906800E-03	
40	24.98	48459	BB	1.119108E-02	
41	25.94	178557	BB	4.123590E-02	
42	26.70	49990	BB	1.154475E-02	
43	27.19	21598	BB	4.987947E-03	

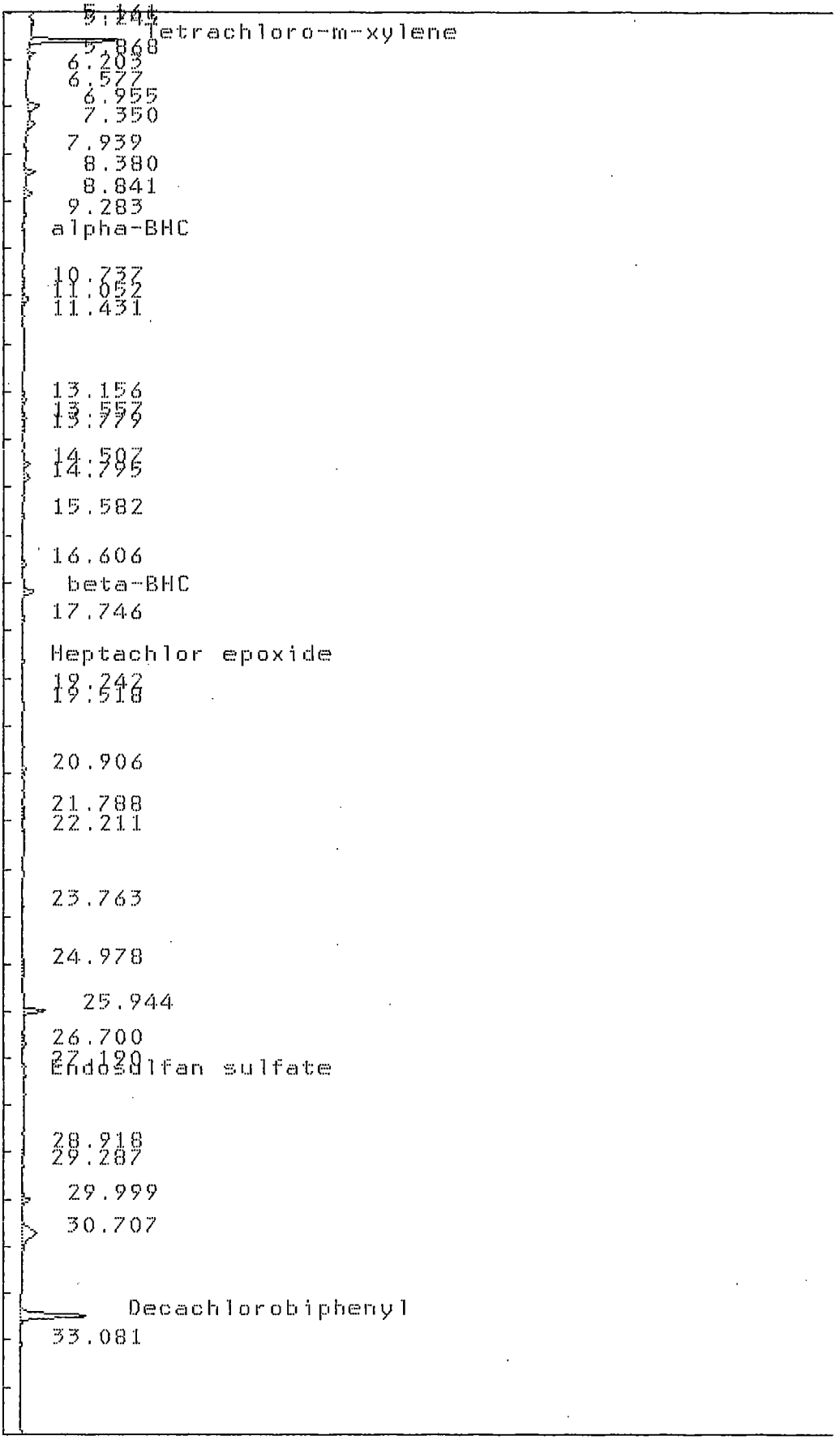
COLUMN ID:HP5890XA RTx1701 .53MM

EQK02
5/19/92 14:20

Pk#	RT	Area	Code	NG	NAME
44	27.38	26307	BB	3.156101E-03	Endosulfan sulfate
45	28.92	21343	BB	4.929040E-03	
46	29.29	11785	BB	2.721666E-03	
47	30.00	98607	BB	2.277238E-02	
48	30.71	341340	BB	7.882899E-02	
49	32.46	608922	BB	4.477617E-02	Decachlorobiphenyl
50	33.08	10385	BB	2.398273E-03	

Total Area : 3839614 Total NG : .664

COLUMN ID:HP5890XA RTx1701 .53MM
SampleName : EQK02 (60020) 1UL TMB
Method : /methods/XAIAIB514.MTH
Injected on :Tue May 19, 1992 2:20:48 pm
Report File : /DATA/LOOP/FORMAT/GSHORT_AREA.FMT



COLUMN ID:HP5890XA RTx1701 .53MM
Sample Name : EQK02 (60020) 1UL TMB Report No : 37.00

Peak Processor : Genie Multilevel : False
Instrument : XA Application : Loop
Calculation : ExternalSTD Quantitation : AreaUnits
Result File : /XA/XA518030.RES
Run Time : 35.02 Minutes Injected on Tue May 19, 1992 2:20:48 p

Run Status : EndOffBaseline
SignalOverload

Pk#	RT	Area	Code	NG	NAME
1	3.58	33222	BS	7.672231E-03	
2	3.71	8892	BB	2.053426E-03	
3	3.85	100752	BB	2.326769E-02	
4	3.99	14805	BB	3.419067E-03	
5	4.15	112263	BB	2.592606E-02	
6	4.32	360332	BB	8.321519E-02	
7	4.56	119713	BB	2.764656E-02	
8	5.16	8714	BB	2.012404E-03	
9	5.24	11253	BB	2.598840E-03	
10	5.57	610861	BB	3.232465E-02	Tetrachloro-m-xylene
11	5.87	42684	BB	9.857360E-03	
12	6.20	12615	BB	2.913379E-03	
13	6.58	10558	BB	2.438373E-03	
14	6.96	136869	BB	3.160846E-02	
15	7.35	66734	BB	1.541147E-02	
16	7.94	21272	BB	4.912567E-03	
17	8.38	82919	BB	1.914922E-02	
18	8.84	75738	BB	1.749093E-02	
19	9.28	30138	BB	6.960087E-03	
20	9.74	10305	BB	6.460736E-04	alpha-BHC
21	10.74	9625	BB	2.222858E-03	
22	11.05	70901	BB	1.637391E-02	
23	11.43	11892	BB	2.746371E-03	
24	13.16	43615	BB	1.007237E-02	
25	13.56	28475	BB	6.575950E-03	
26	13.78	8603	BB	1.986795E-03	
27	14.51	53989	BB	1.246827E-02	
28	14.80	65626	BB	1.515560E-02	
29	15.58	18344	BB	4.236437E-03	
30	16.61	32164	BB	7.428029E-03	
31	17.17	88907	BB	1.047974E-02	beta-BHC
32	17.75	16246	BB	3.751938E-03	
33	18.64	19304	BB	1.349653E-03	Heptachlor epoxide
34	19.24	8098	BB	1.870037E-03	
35	19.52	9979	BB	2.304645E-03	
36	20.91	22305	BB	5.151182E-03	
37	21.79	27253	BB	6.293840E-03	
38	22.21	8095	BB	1.869449E-03	
39	23.76	8257	BB	1.906800E-03	
40	24.98	48459	BB	1.119108E-02	
41	25.94	178557	BB	4.123590E-02	
42	26.70	49990	BB	1.154475E-02	
43	27.19	21598	BB	4.987947E-03	

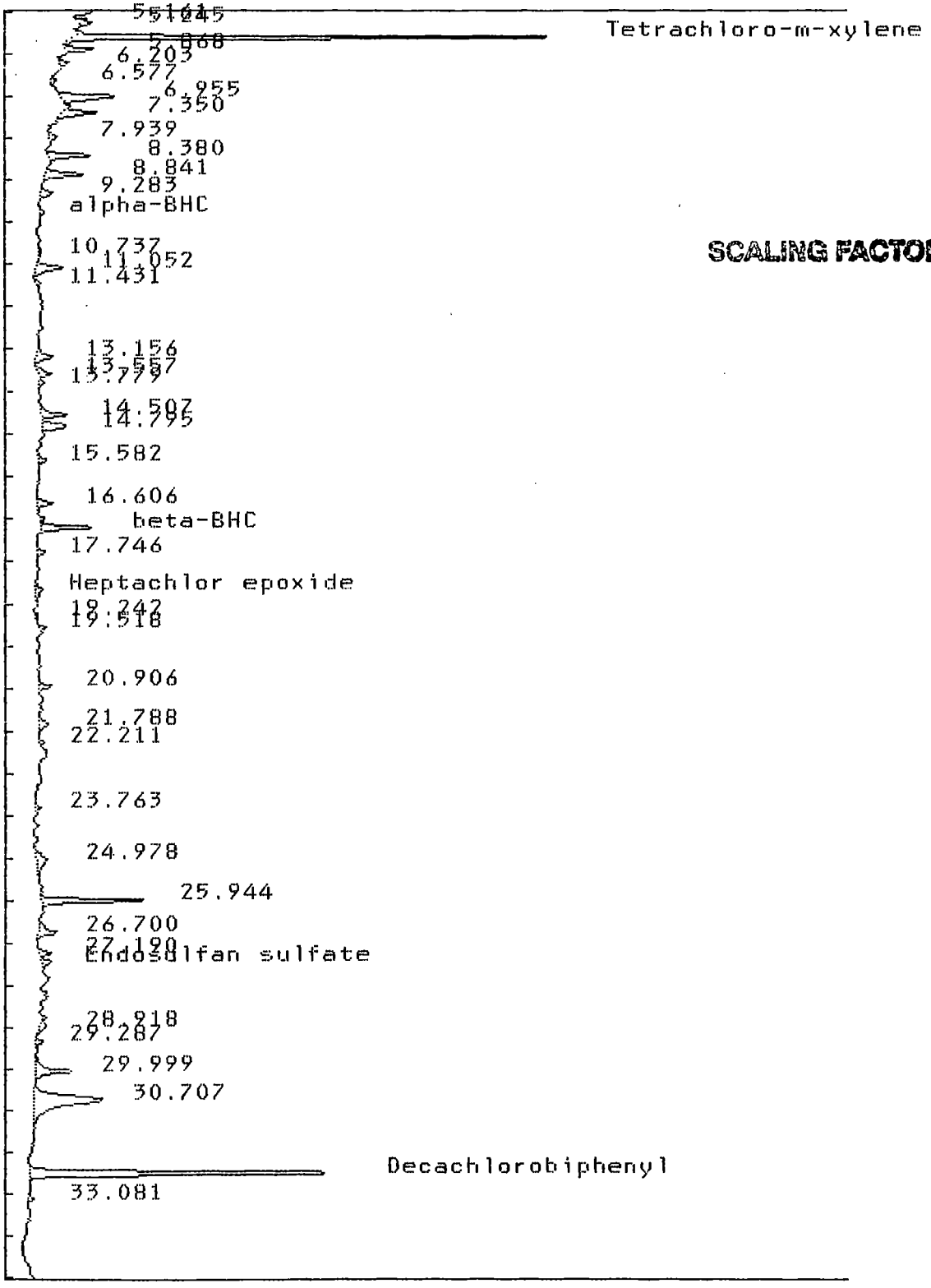
COLUMN ID:HP5890XA RTx1701 .53MM

EQK02
5/19/92 14:20

Pk#	RT	Area	Code	NG	NAME
44	27.38	26307	BB	3.156101E-03	Endosulfan sulfate
45	28.92	21343	BB	4.929040E-03	
46	29.29	11785	BB	2.721666E-03	
47	30.00	98607	BB	2.277238E-02	
48	30.71	341340	BB	7.882899E-02	
49	32.46	608922	BB	4.477617E-02	Decachlorobiphenyl
50	33.08	10385	BB	2.398273E-03	

Total Area : 3839614 Total NG : .664

COLUMN ID:HP5890XA RTx1701 .53MM
SampleName : EQK02 (60020) 1UL TMB
Method : /methods/XAIAIB514.MTH
Injected on :Tue May 19, 1992 2:20:48 pm
Report File : /DATA/LOOP/FORMAT/GSHORT_AREA.FMT



SCALING FACTOR 5

COLUMN ID:HP5890XB RTx5 .53MM
Sample Name : EQK02 (60020) 1UL TMB Report No : 37.00

Peak Processor : Genie Multilevel : False
Instrument : XB Application : Loop
Calculation : ExternalSTD Quantitation : AreaUnits
Result File : /XB/XB518030.RES
Run Time : 35.02 Minutes Injected on Tue May 19, 1992 2:20:48 p

Run Status : EndOffBaseline
SignalOverload

Pk#	RT	Area	Code	NG	NAME
1	3.14	64468	BS	1.488813E-02	
2	3.29	172078	BB	3.973977E-02	
3	3.54	46425	BB	1.072138E-02	
4	3.60	18152	BB	4.191929E-03	
5	3.68	32694	BB	7.550310E-03	
6	3.86	34846	BB	8.047257E-03	
7	3.97	97935	BB	2.261711E-02	
8	4.08	75851	BB	1.751711E-02	
9	4.18	16186	BB	3.738109E-03	
10	4.26	118376	BB	2.733782E-02	
11	4.45	54929	BB	1.268532E-02	
12	4.71	31384	BB	7.247886E-03	
13	4.85	89977	BB	2.077938E-02	
14	4.99	55027	BB	1.270803E-02	
15	5.19	10617	BB	2.451891E-03	
16	5.36	1385988	BB	9.795973E-02	Tetrachloro-m-xylene
17	5.54	191839	BB	4.430341E-02	
18	5.72	300421	BB	6.937927E-02	
19	5.91	31075	BB	7.176570E-03	
20	6.05	81135	BB	1.873721E-02	
21	6.40	28818	BB	6.655117E-03	
22	6.67	8096	BB	1.869624E-03	
23	6.76	20166	BB	1.703278E-03	alpha-BHC
24	7.00	57848	BB	1.335951E-02	
25	7.18	23778	BB	5.491311E-03	
26	7.30	41923	BB	9.681785E-03	
27	7.60	254113	BB	5.868480E-02	
28	8.14	9300	BB	2.147664E-03	
29	8.29	15469	BB	1.146724E-03	~~gamma-BHC(Lindane)~~ MP 5/21/92
30	8.52	62341	BB	1.439692E-02	
31	8.88	36623	BB	8.457778E-03	
32	9.12	25432	BB	5.873330E-03	
33	9.66	89737	BB	7.945526E-03	delta-BHC
34	9.81	17910	BB	4.136137E-03	
35	10.19	62816	BB	1.450681E-02	
36	10.80	10635	BB	2.456066E-03	
37	10.97	9620	BB	2.221537E-03	
38	11.24	244456	BB	5.645473E-02	
39	11.93	200858	BB	4.638622E-02	
40	12.12	21604	BB	4.989140E-03	
41	12.36	83727	BB	6.488510E-03	~~Heptachlor~~ MP 5/21/92
42	12.60	20207	BB	4.666672E-03	
43	12.87	20997	BB	4.848937E-03	

COLUMN ID:HP5890XB RTx5 .53MM

EQK02
5/19/92 14:20

Pk#	RT	Area	Code	NG	NAME
44	13.13	29324	BB	6.772157E-03	
45	13.34	21298	BB	4.918453E-03	
46	13.76	13521	BB	3.122571E-03	
47	14.20	312051	BB	2.811082E-02	Aldrin
48	14.66	8711	BB	2.011608E-03	
49	15.05	28288	BB	6.532738E-03	
50	15.35	18588	BB	4.292636E-03	
51	15.84	1017500	BB	2.349814E-01	
52	16.81	22971	BB	5.305001E-03	
53	17.08	63444	BB	1.465165E-02	
54	17.29	23932	BB	5.526754E-03	
55	17.44	9004	BB	2.079286E-03	
56	17.74	63498	BB	1.466427E-02	
57	17.92	17812	BB	4.113465E-03	
58	18.20	14695	BB	1.225166E-03	Endosulfan I
59	18.54	140975	BB	3.255671E-02	
60	18.98	21986	BB	5.077429E-03	
61	19.10	8949	BB	2.066606E-03	
62	19.58	27168	BB	2.697448E-03	4,4'-DDE
63	19.90	24443	BB	5.644860E-03	
64	20.66	18431	BB	4.256473E-03	
65	20.77	15739	BB	1.501018E-03	Endosulfan II
66	21.04	13084	BB	3.021650E-03	
67	21.26	11809	BB	2.727124E-03	
68	21.53	32290	BB	7.457105E-03	
69	21.70	8994	BB	1.098639E-03	Endrin aldehyde
70	22.09	38597	BB	8.913502E-03	
71	22.68	22485	BB	2.530450E-03	Endosulfan sulfate
72	22.86	417770	BB	9.647988E-02	
73	23.27	12431	BB	2.870879E-03	
74	23.48	95646	BB	2.208850E-02	
75	23.83	11100	BB	2.563445E-03	
76	23.98	25244	BB	5.829852E-03	
77	24.25	14652	BB	3.383841E-03	
78	24.55	40843	BB	4.014005E-03	Endrin ketone
79	24.71	8248	BB	1.904795E-03	
80	25.02	63521	BB	1.466961E-02	
81	25.16	27587	BB	6.370999E-03	
82	25.82	77233	BB	1.783613E-02	
83	26.26	10901	BB	2.517422E-03	
84	26.43	21372	BB	4.935636E-03	
85	26.97	10865	BB	2.509203E-03	
86	27.12	138007	BB	3.187137E-02	
87	27.83	9692	BB	2.238284E-03	
88	27.98	9037	BB	2.087009E-03	
89	28.15	13536	BB	3.126109E-03	
90	28.78	133355	BB	3.079691E-02	
91	29.16	21193	BB	4.894271E-03	
92	29.54	17390	BB	4.016140E-03	
93	29.88	23353	BB	5.393155E-03	
94	30.43	8492	BB	1.961153E-03	
95	30.61	8942	BB	2.065068E-03	
96	31.03	8335	BB	1.924952E-03	
97	31.18	21931	BB	5.064638E-03	

COLUMN ID:HP5890XB RTx5 .53MM

EQK02
5/19/92 14:20

Pk#	RT	Area	Code	NG	NAME
98	31.74	1089374	BB	8.115932E-02	Decachlorobiphenyl
99	32.69	16664	BB	3.848316E-03	
100	33.43	9567	BB	2.209478E-03	
101	34.21	9039	BB	2.087352E-03	
102	34.69	29425	BB	6.795465E-03	

Total Area : 8730212 Total NG : 1.532

COLUMN ID:HP5890XB RTx5 .53MM
SampleName : EQK02 (60020) 1UL TMB
Method : /METHODS/XBIAIB514.MTH
Injected on :Tue May 19, 1992 2:20:48 pm
Report File : /DATA/LOOP/FORMAT/GSHORT_AREA.FMT

4.986
5.194
5.538
Tetrachloro-m-xylene
5.671
6.046
6.403
alpha-BHC
7.000
7.268
7.601
8.143
~~gamma-BHC (Lindane)~~ MP 5/21/92
8.522
8.876
9.118
delta-BHC
9.806
10.186
10.799
10.962
11.243
11.926
~~Heptachlor~~ MP 5/21/92
12.122
12.823
13.344
13.762
Aldrin
14.656
15.050
15.350
15.838
16.813
17.080
17.440
17.924
Endosulfan I
18.542
18.976
19.101
4,4'-DDE
19.900
20.664
Endosulfan II
21.039
21.263
21.533
Endrin aldehyde
22.088
Endosulfan sulfate
22.682
23.271
23.484
23.830
24.250
Endrin ketone
24.700
25.024
25.161
25.822
26.263
26.429
26.974
27.121
27.827
28.150
28.777
29.161
29.541
29.880
30.430
30.611
31.032
31.185
Decachlorobiphenyl
32.692
33.428
34.213
34.687

COLUMN ID:HP5890XB RTx5 .53MM
Sample Name : EQK02 (60020) 1UL TMB Report No : 37.00

Peak Processor : Genie Multilevel : False
Instrument : XB Application : Loop
Calculation : ExternalSTD Quantitation : AreaUnits
Result File : /XB/XB518030.RES
Run Time : 35.02 Minutes Injected on Tue May 19, 1992 2:20:48 p

Run Status : EndOffBaseline
SignalOverload

Pk#	RT	Area	Code	NG	NAME
1	3.14	64468	BS	1.488813E-02	
2	3.29	172078	BB	3.973977E-02	
3	3.54	46425	BB	1.072138E-02	
4	3.60	18152	BB	4.191929E-03	
5	3.68	32694	BB	7.550310E-03	
6	3.86	34846	BB	8.047257E-03	
7	3.97	97935	BB	2.261711E-02	
8	4.08	75851	BB	1.751711E-02	
9	4.18	16186	BB	3.738109E-03	
10	4.26	118376	BB	2.733782E-02	
11	4.45	54929	BB	1.268532E-02	
12	4.71	31384	BB	7.247886E-03	
13	4.85	89977	BB	2.077938E-02	
14	4.99	55027	BB	1.270803E-02	
15	5.19	10617	BB	2.451891E-03	
16	5.36	1385988	BB	9.795973E-02	Tetrachloro-m-xylene
17	5.54	191839	BB	4.430341E-02	
18	5.72	300421	BB	6.937927E-02	
19	5.91	31075	BB	7.176570E-03	
20	6.05	81135	BB	1.873721E-02	
21	6.40	28818	BB	6.655117E-03	
22	6.67	8096	BB	1.869624E-03	
23	6.76	20166	BB	1.703278E-03	alpha-BHC
24	7.00	57848	BB	1.335951E-02	
25	7.18	23778	BB	5.491311E-03	
26	7.30	41923	BB	9.681785E-03	
27	7.60	254113	BB	5.868480E-02	
28	8.14	9300	BB	2.147664E-03	
29	8.29	15469	BB	1.146724E-03	~~gamma-BHC(Lindane)~~ MP 5/21/92
30	8.52	62341	BB	1.439692E-02	
31	8.88	36623	BB	8.457778E-03	
32	9.12	25432	BB	5.873330E-03	
33	9.66	89737	BB	7.945526E-03	delta-BHC
34	9.81	17910	BB	4.136137E-03	
35	10.19	62816	BB	1.450681E-02	
36	10.80	10635	BB	2.456066E-03	
37	10.97	9620	BB	2.221537E-03	
38	11.24	244456	BB	5.645473E-02	
39	11.93	200858	BB	4.638622E-02	
40	12.12	21604	BB	4.989140E-03	
41	12.36	83727	BB	6.488510E-03	~~Heptachlor~~ MP 5/21/92
42	12.60	20207	BB	4.666672E-03	
43	12.87	20997	BB	4.848937E-03	

COLUMN ID:HP5890XB RTx5 .53MM

EQK02
5/19/92 14:20

Pk#	RT	Area	Code	NG	NAME
44	13.13	29324	BB	6.772157E-03	
45	13.34	21298	BB	4.918453E-03	
46	13.76	13521	BB	3.122571E-03	
47	14.20	312051	BB	2.811082E-02	Aldrin
48	14.66	8711	BB	2.011608E-03	
49	15.05	28288	BB	6.532738E-03	
50	15.35	18588	BB	4.292636E-03	
51	15.84	1017500	BB	2.349814E-01	
52	16.81	22971	BB	5.305001E-03	
53	17.08	63444	BB	1.465165E-02	
54	17.29	23932	BB	5.526754E-03	
55	17.44	9004	BB	2.079286E-03	
56	17.74	63498	BB	1.466427E-02	
57	17.92	17812	BB	4.113465E-03	
58	18.20	14695	BB	1.225166E-03	Endosulfan I
59	18.54	140975	BB	3.255671E-02	
60	18.98	21986	BB	5.077429E-03	
61	19.10	8949	BB	2.066606E-03	
62	19.58	27168	BB	2.697448E-03	4,4'-DDE
63	19.90	24443	BB	5.644860E-03	
64	20.66	18431	BB	4.256473E-03	
65	20.77	15739	BB	1.501018E-03	Endosulfan II
66	21.04	13084	BB	3.021650E-03	
67	21.26	11809	BB	2.727124E-03	
68	21.53	32290	BB	7.457105E-03	
69	21.70	8994	BB	1.098639E-03	Endrin aldehyde
70	22.09	38597	BB	8.913502E-03	
71	22.68	22485	BB	2.530450E-03	Endosulfan sulfate
72	22.86	417770	BB	9.647988E-02	
73	23.27	12431	BB	2.870879E-03	
74	23.48	95646	BB	2.208850E-02	
75	23.83	11100	BB	2.563445E-03	
76	23.98	25244	BB	5.829852E-03	
77	24.25	14652	BB	3.383841E-03	
78	24.55	40843	BB	4.014005E-03	Endrin ketone
79	24.71	8248	BB	1.904795E-03	
80	25.02	63521	BB	1.466961E-02	
81	25.16	27587	BB	6.370999E-03	
82	25.82	77233	BB	1.783613E-02	
83	26.26	10901	BB	2.517422E-03	
84	26.43	21372	BB	4.935636E-03	
85	26.97	10865	BB	2.509203E-03	
86	27.12	138007	BB	3.187137E-02	
87	27.83	9692	BB	2.238284E-03	
88	27.98	9037	BB	2.087009E-03	
89	28.15	13536	BB	3.126109E-03	
90	28.78	133355	BB	3.079691E-02	
91	29.16	21193	BB	4.894271E-03	
92	29.54	17390	BB	4.016140E-03	
93	29.88	23353	BB	5.393155E-03	
94	30.43	8492	BB	1.961153E-03	
95	30.61	8942	BB	2.065068E-03	
96	31.03	8335	BB	1.924952E-03	
97	31.18	21931	BB	5.064638E-03	

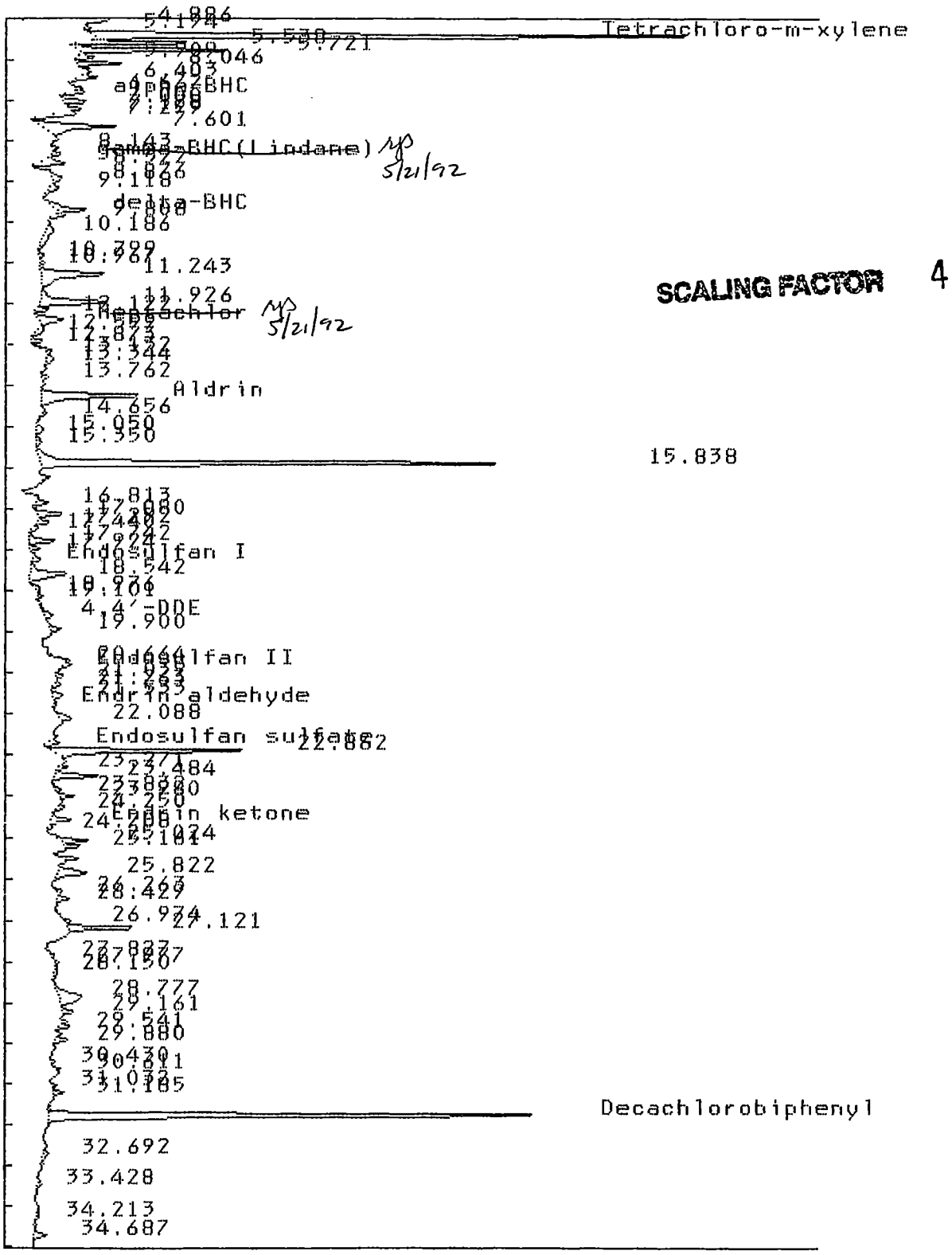
COLUMN ID:HP5890XB RTx5 .53MM

EQK02
5/19/92 14:20

Pk#	RT	Area	Code	NG	NAME
98	31.74	1089374	BB	8.115932E-02	Decachlorobiphenyl
99	32.69	16664	BB	3.848316E-03	
100	33.43	9567	BB	2.209478E-03	
101	34.21	9039	BB	2.087352E-03	
102	34.69	29425	BB	6.795465E-03	

Total Area : 8730212 Total NG : 1.532

COLUMN ID:HP5890XB RTx5 .53MM
SampleName : EQK02 (60020) 1UL TMB
Method : /METHODS/XBIAIB514.MTH
Injected on :Tue May 19, 1992 2:20:48 pm
Report File : /DATA/LOOP/FORMAT/GSHORT_AREA.FMT



SCALING FACTOR 4

COLUMN ID:HP5890XA RTx1701 .53MM
Sample Name : EQK08 (60016) 1UL TMB Report No : 31.00

Peak Processor : Genie Multilevel : False
Instrument : XA Application : Loop
Calculation : ExternalSTD Quantitation : AreaUnits
Result File : /XA/XA518024.RES
Run Time : 35.02 Minutes Injected on Tue May 19, 1992 9:59:56 a

Run Status : EndOffBaseline
SignalOverload

Pk#	RT	Area	Code	NG	NAME
1	3.55	193025	BS	4.457731E-02	
2	3.86	151330	BB	3.494815E-02	
3	3.98	53805	BB	1.242581E-02	
4	4.15	137441	BB	3.174062E-02	
5	4.32	920999	BB	2.126956E-01	
6	4.56	229402	BB	5.297816E-02	
7	5.00	31374	BB	7.245531E-03	
8	5.15	8329	BB	1.923451E-03	
9	5.57	586726	BB	3.104751E-02	Tetrachloro-m-xylene
10	5.87	17520	BB	4.045955E-03	
11	6.30	13796	BB	3.185942E-03	
12	6.88	8001	BB	1.847842E-03	
13	7.18	427225	BB	9.866346E-02	
14	8.66	78766	BB	1.819031E-02	
15	8.84	49299	BB	1.138500E-02	
16	9.97	115021	BB	2.656295E-02	
17	10.30	40276	BB	9.301456E-03	
18	11.05	81385	BB	1.879496E-02	
19	13.20	68093	BB	1.572551E-02	
20	13.76	11751	BB	7.652879E-04	~~Heptachlor~~ MP 5/21/92
21	14.00	9132	BB	2.108944E-03	
22	14.52	40599	BB	9.375876E-03	
23	14.81	38702	BB	8.937832E-03	
24	15.26	37724	BB	8.712020E-03	
25	16.44	23401	BB	5.404298E-03	
26	16.60	30049	BB	6.939511E-03	
27	17.21	221375	BB	2.609413E-02	beta-BHC
28	17.72	97738	BB	2.257159E-02	
29	17.91	8215	BB	1.897066E-03	
30	18.32	10758	BB	2.484526E-03	
31	18.62	24294	BB	1.698521E-03	~~Heptachlor epoxide~~ MP 5/21/92
32	19.21	20266	BB	4.680230E-03	
33	19.51	111993	BB	2.586366E-02	
34	19.78	15178	BB	1.085800E-03	~~Endosulfan I~~ MP 5/21/92
35	20.11	24897	BB	5.749743E-03	
36	20.65	27728	BB	1.875935E-03	alpha-Chlordane
37	20.90	39973	BB	9.231471E-03	
38	21.17	32153	BB	2.662069E-03	4,4'-DDE
39	21.49	20361	BB	1.674852E-03	Dieldrin
40	21.61	8013	BB	1.850413E-03	
41	21.86	23576	BB	5.444612E-03	
42	22.17	76632	BB	1.769740E-02	
43	22.54	11786	BB	2.721815E-03	

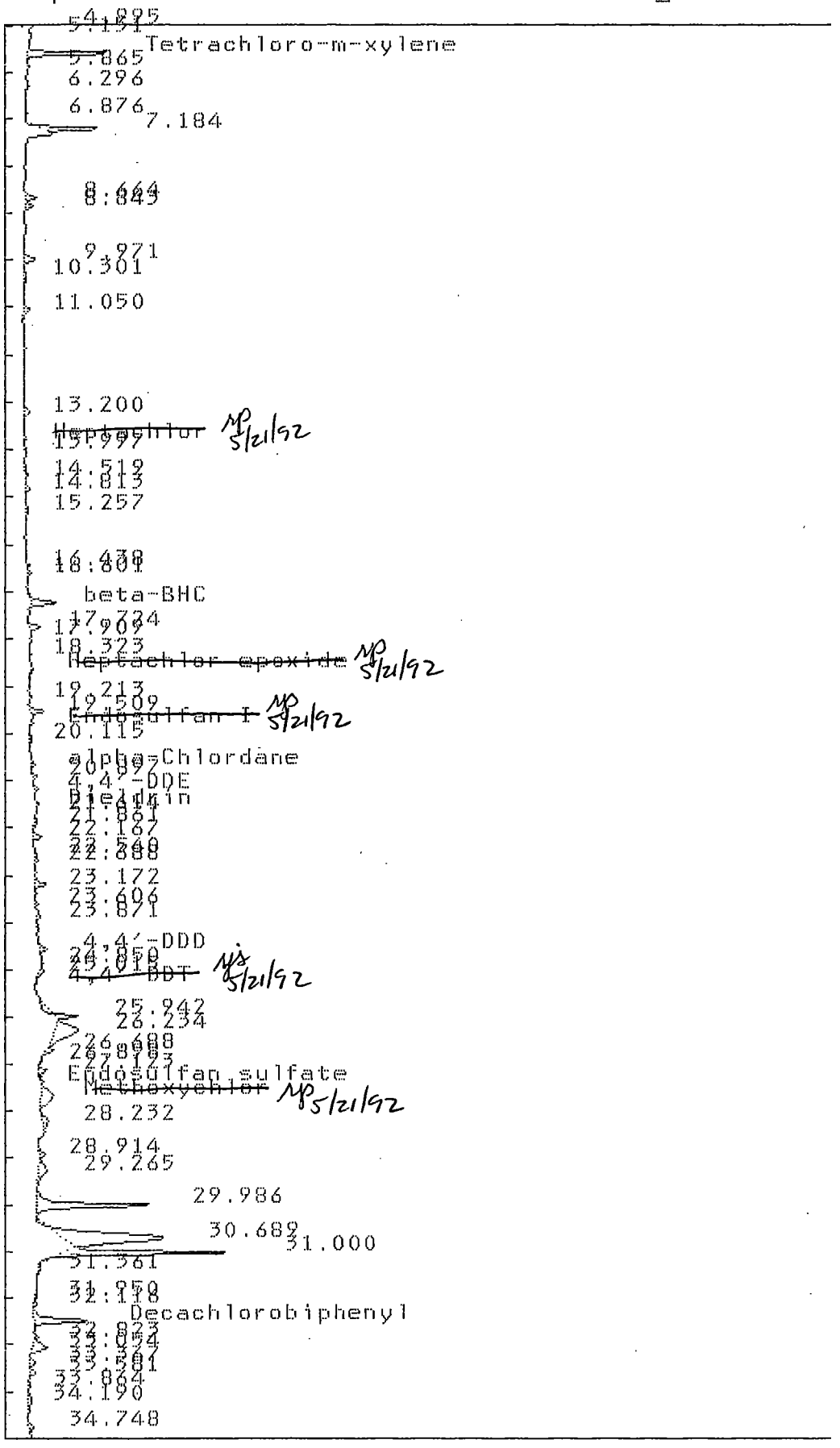
COLUMN ID:HP5890XA RTx1701 .53MM

EQK08
5/19/92 09:59

Pk#	RT	Area	Code	NG	NAME
44	22.69	19759	BB	4.563187E-03	
45	23.17	100326	BB	2.316926E-02	
46	23.61	16862	BB	3.894168E-03	
47	23.87	17389	BB	4.015706E-03	
48	24.54	58955	BB	6.658347E-03	4,4'-DDD
49	24.85	13511	BB	3.120335E-03	
50	25.01	47352	BB	1.093547E-02	
51	25.25	8273	BB	3.019938E-03	~~4,4'-DDT~~ MP 5/21/92
52	25.94	98410	BB	2.272692E-02	
53	26.23	581954	BB	1.343966E-01	
54	26.69	38377	BB	8.862836E-03	
55	26.90	9376	BB	2.165329E-03	
56	27.12	64072	BB	1.479682E-02	
57	27.37	25556	BB	3.065940E-03	Endosulfan sulfate
58	27.67	312297	BB	1.157537E-01	~~Methoxychlor~~ MP 5/21/92
59	28.23	106241	BB	2.453540E-02	
60	28.91	55095	BB	1.272376E-02	
61	29.27	210779	BB	4.867731E-02	
62	29.99	1150039	BB	2.655901E-01	
63	30.69	2112244	BB	4.878016E-01	
64	31.00	1118865	BB	2.583907E-01	
65	31.36	27329	BB	6.311330E-03	
66	31.95	11594	BB	2.677411E-03	
67	32.12	18907	BB	4.366325E-03	
68	32.46	534978	BB	3.933884E-02	Decachlorobiphenyl
69	32.82	11923	BB	2.753516E-03	
70	33.05	183848	BB	4.245775E-02	
71	33.37	50611	BB	1.168817E-02	
72	33.58	55115	BB	1.272829E-02	
73	33.86	12659	BB	2.923376E-03	
74	34.19	108901	BB	2.514957E-02	
75	34.75	49491	BB	1.142935E-02	

Total Area : 11409202 Total NG : 2.436

COLUMN ID:HP5890XA RTx1701 .53MM
SampleName : EQK08 (60016) 1UL TMB
Method : /methods/XAIAIB514.MTH
Injected on :Tue May 19, 1992 9:59:56 am
Report File : /DATA/LOOP/FORMAT/GSHORT_AREA.FMT



COLUMN ID:HP5890XA RTx1701 .53MM
Sample Name : EQK08 (60016) 1UL TMB Report No : 31.00

Peak Processor : Genie Multilevel : False
Instrument : XA Application : Loop
Calculation : ExternalSTD Quantitation : AreaUnits
Result File : /XA/XA518024.RES
Run Time : 35.02 Minutes Injected on Tue May 19, 1992 9:59:56 a

Run Status : EndOffBaseline
SignalOverload

Pk#	RT	Area	Code	NG	NAME
1	3.55	193025	BS	4.457731E-02	
2	3.86	151330	BB	3.494815E-02	
3	3.98	53805	BB	1.242581E-02	
4	4.15	137441	BB	3.174062E-02	
5	4.32	920999	BB	2.126956E-01	
6	4.56	229402	BB	5.297816E-02	
7	5.00	31374	BB	7.245531E-03	
8	5.15	8329	BB	1.923451E-03	
9	5.57	586726	BB	3.104751E-02	Tetrachloro-m-xylene
10	5.87	17520	BB	4.045955E-03	
11	6.30	13796	BB	3.185942E-03	
12	6.88	8001	BB	1.847842E-03	
13	7.18	427225	BB	9.866346E-02	
14	8.66	78766	BB	1.819031E-02	
15	8.84	49299	BB	1.138500E-02	
16	9.97	115021	BB	2.656295E-02	
17	10.30	40276	BB	9.301456E-03	
18	11.05	81385	BB	1.879496E-02	
19	13.20	68093	BB	1.572551E-02	
20	13.76	11751	BB	7.652879E-04	~~Heptachlor~~ MP 5/21/92
21	14.00	9132	BB	2.108944E-03	
22	14.52	40599	BB	9.375876E-03	
23	14.81	38702	BB	8.937832E-03	
24	15.26	37724	BB	8.712020E-03	
25	16.44	23401	BB	5.404298E-03	
26	16.60	30049	BB	6.939511E-03	
27	17.21	221375	BB	2.609413E-02	beta-BHC
28	17.72	97738	BB	2.257159E-02	
29	17.91	8215	BB	1.897066E-03	
30	18.32	10758	BB	2.484526E-03	
31	18.62	24294	BB	1.698521E-03	~~Heptachlor epoxide~~ MP 5/21/92
32	19.21	20266	BB	4.680230E-03	
33	19.51	111993	BB	2.586366E-02	
34	19.78	15178	BB	1.085800E-03	~~Endosulfan I~~ MP 5/21/92
35	20.11	24897	BB	5.749743E-03	
36	20.65	27728	BB	1.875935E-03	alpha-Chlordane
37	20.90	39973	BB	9.231471E-03	
38	21.17	32153	BB	2.662069E-03	4,4'-DDE
39	21.49	20361	BB	1.674852E-03	Dieldrin
40	21.61	8013	BB	1.850413E-03	
41	21.86	23576	BB	5.444612E-03	
42	22.17	76632	BB	1.769740E-02	
43	22.54	11786	BB	2.721815E-03	

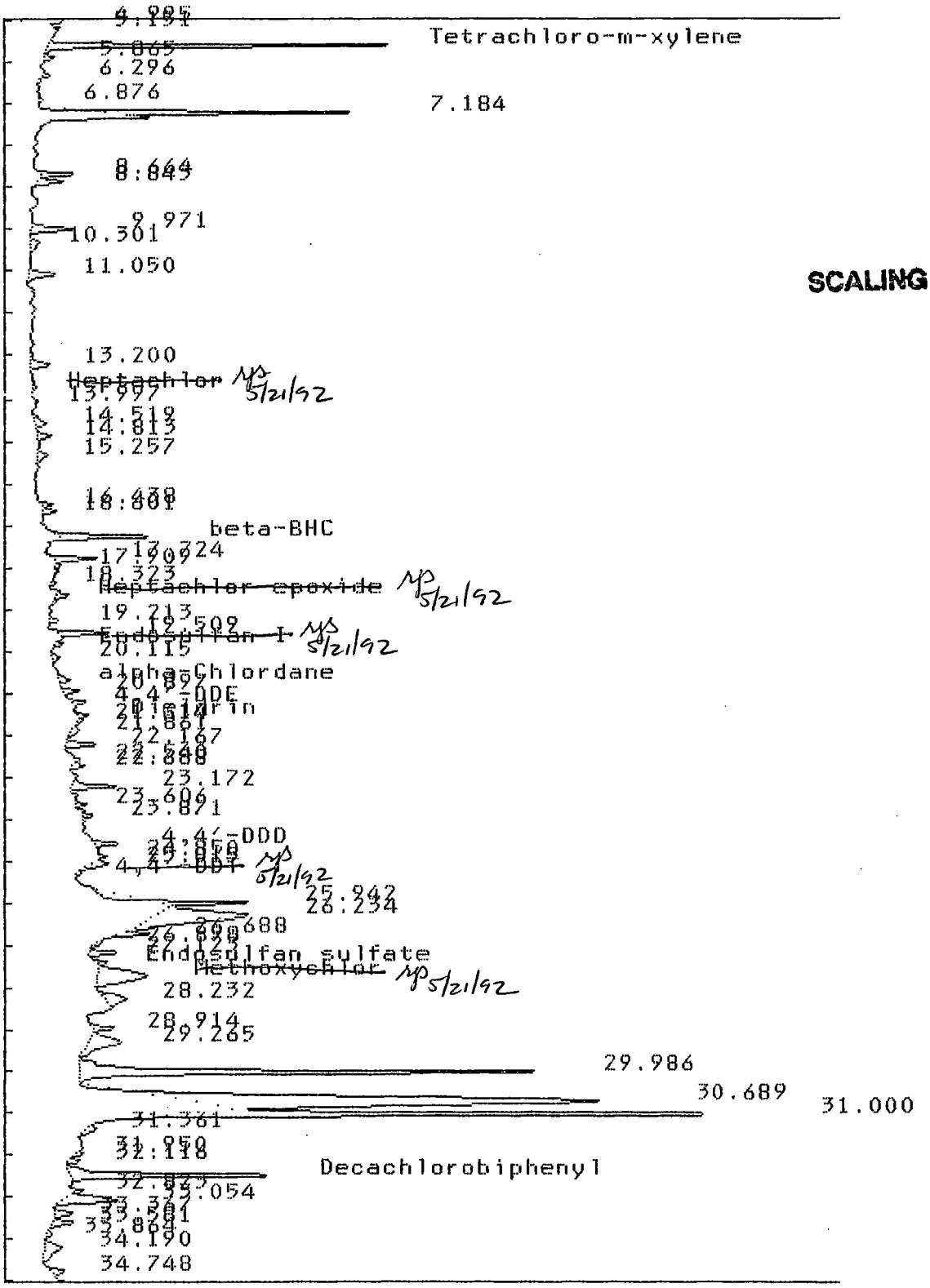
COLUMN ID:HP5890XA RTx1701 .53MM

EQK08
5/19/92 09:59

Pk#	RT	Area	Code	NG	NAME
44	22.69	19759	BB	4.563187E-03	
45	23.17	100326	BB	2.316926E-02	
46	23.61	16862	BB	3.894168E-03	
47	23.87	17389	BB	4.015706E-03	
48	24.54	58955	BB	6.658347E-03	4,4'-DDD
49	24.85	13511	BB	3.120335E-03	
50	25.01	47352	BB	1.093547E-02	
51	25.25	8273	BB	3.019938E-03	~~4,4'-DDT~~ MP 5/21/92
52	25.94	98410	BB	2.272692E-02	
53	26.23	581954	BB	1.343966E-01	
54	26.69	38377	BB	8.862836E-03	
55	26.90	9376	BB	2.165329E-03	
56	27.12	64072	BB	1.479682E-02	
57	27.37	25556	BB	3.065940E-03	Endosulfan sulfate
58	27.67	312297	BB	1.157537E-01	~~Methoxychlor~~ MP 5/21/92
59	28.23	106241	BB	2.453540E-02	
60	28.91	55095	BB	1.272376E-02	
61	29.27	210779	BB	4.867731E-02	
62	29.99	1150039	BB	2.655901E-01	
63	30.69	2112244	BB	4.878016E-01	
64	31.00	1118865	BB	2.583907E-01	
65	31.36	27329	BB	6.311330E-03	
66	31.95	11594	BB	2.677411E-03	
67	32.12	18907	BB	4.366325E-03	
68	32.46	534978	BB	3.933884E-02	Decachlorobiphenyl
69	32.82	11923	BB	2.753516E-03	
70	33.05	183848	BB	4.245775E-02	
71	33.37	50611	BB	1.168817E-02	
72	33.58	55115	BB	1.272829E-02	
73	33.86	12659	BB	2.923376E-03	
74	34.19	108901	BB	2.514957E-02	
75	34.75	49491	BB	1.142935E-02	

Total Area : 11409202 Total NG : 2.436

COLUMN ID:HP5890XA RTx1701 .53MM
SampleName : EQK08 (60016) 1UL TMB
Method : /methods/XAIAIB514.MTH
Injected on :Tue May 19, 1992 9:59:56 am
Report File : /DATA/LOOP/FORMAT/GSHORT_AREA.FMT



SCALING FACTOR 4

COLUMN ID:HP5890XB RTx5 .53MM
Sample Name : EQK08 (60016) 1UL TMB Report No : 31.00

Peak Processor : Genie Multilevel : False
Instrument : XB Application : Loop
Calculation : ExternalSTD Quantitation : AreaUnits
Result File : /XB/XB518024.RES
Run Time : 35.02 Minutes Injected on Tue May 19, 1992 9:59:56 a

Run Status : EndOffBaseline
SignalOverload

Pk#	RT	Area	Code	NG	NAME
1	3.14	16270	BS	3.757343E-03	
2	3.29	170594	BB	3.939693E-02	
3	3.46	60667	BB	1.401054E-02	
4	3.67	17672	BB	4.081172E-03	
5	3.86	13617	BB	3.144816E-03	
6	3.96	58224	BB	1.344636E-02	
7	4.07	55426	BB	1.280004E-02	
8	4.18	903517	BB	2.086582E-01	
9	4.45	16443	BB	3.797415E-03	
10	4.71	17320	BB	3.999812E-03	
11	4.85	40017	BB	9.241637E-03	
12	4.97	33095	BB	7.642894E-03	
13	5.15	37694	BB	8.704972E-03	
14	5.36	946442	BB	6.689321E-02	Tetrachloro-m-xylene
15	5.49	10942	BB	2.527053E-03	
16	5.68	305594	BB	7.057379E-02	
17	5.88	172667	BB	3.987566E-02	
18	6.05	82340	BB	1.901550E-02	
19	6.18	13445	BB	3.104908E-03	
20	6.72	46782	BB	3.951247E-03	alpha-BHC
21	6.95	27592	BB	6.372035E-03	
22	7.11	127569	BB	2.946088E-02	
23	7.31	13326	BB	3.077545E-03	
24	7.60	136263	BB	3.146855E-02	
25	8.48	45137	BB	1.042394E-02	
26	8.73	177121	BB	4.090433E-02	
27	8.96	37588	BB	8.680457E-03	
28	9.15	8566	BB	1.978185E-03	
29	9.53	25128	BB	5.803052E-03	
30	9.74	35452	BB	3.139003E-03	~~delta-BHC~~ MP 5/21/92
31	10.32	21195	BB	4.894741E-03	
32	10.84	12039	BB	2.780315E-03	
33	11.24	49344	BB	1.139552E-02	
34	11.45	62033	BB	1.432589E-02	
35	11.93	127950	BB	2.954872E-02	
36	12.10	17876	BB	4.128232E-03	
37	12.36	78335	BB	6.070626E-03	~~Heptachlor~~ MP 5/21/92
38	12.56	19163	BB	4.425516E-03	
39	12.87	9751	BB	2.251969E-03	
40	13.08	22150	BB	5.115314E-03	
41	13.35	13666	BB	3.155968E-03	
42	13.61	35648	BB	8.232491E-03	
43	13.84	14577	BB	3.366427E-03	

COLUMN ID:HP5890XB RTx5 .53MM

EQK08
5/19/92 09:59

Pk#	RT	Area	Code	NG	NAME
44	13.99	9342	BB	2.157454E-03	
45	14.30	331326	BB	7.651652E-02	
46	14.54	24528	BB	5.664501E-03	
47	14.75	24962	BB	5.764678E-03	
48	15.36	72684	BB	1.678573E-02	
49	15.72	35470	BB	8.191420E-03	
50	15.84	601990	BB	1.390236E-01	
51	16.01	9605	BB	2.218112E-03	
52	16.20	225413	BB	5.205677E-02	
53	16.44	18731	BB	1.467882E-03	Heptachlor epoxide
54	16.64	31101	BB	7.182472E-03	
55	16.81	72712	BB	1.679218E-02	
56	17.02	103059	BB	2.380035E-02	
57	17.30	53592	BB	1.237651E-02	
58	17.76	156743	BB	3.619818E-02	
59	18.14	77933	BB	6.497730E-03	Endosulfan I
60	18.37	26873	BB	2.038530E-03	alpha-Chlordane
61	18.69	13485	BB	3.114326E-03	
62	18.90	28029	BB	6.472905E-03	
63	19.12	32567	BB	7.521049E-03	
64	19.54	63020	BB	6.256999E-03	4,4'-DDE
65	19.89	84617	BB	1.954149E-02	
66	20.15	43390	BB	1.002057E-02	
67	20.37	33605	BB	5.025265E-03	Endrin
68	20.56	11050	BB	2.551850E-03	
69	20.77	40696	BB	3.881165E-03	Endosulfan II
70	20.91	57626	BB	1.330820E-02	
71	21.30	102980	BB	2.378210E-02	
72	21.70	41241	BB	5.037878E-03	Endrin aldehyde
73	22.07	18603	BB	4.296073E-03	
74	22.50	514006	BB	1.187045E-01	
75	22.86	479394	BB	1.107112E-01	
76	23.10	64505	BB	1.489667E-02	
77	23.26	53745	BB	1.241186E-02	
78	23.48	170339	BB	3.933819E-02	
79	23.78	81099	BB	1.872902E-02	
80	23.98	100598	BB	2.323216E-02	
81	24.22	23022	BB	5.316759E-03	
82	24.54	24639	BB	2.421479E-03	Endrin ketone
83	24.72	64470	BB	1.488871E-02	
84	25.02	81471	BB	1.881484E-02	
85	25.16	46727	BB	1.079117E-02	
86	25.51	313043	BB	3.130432E+05	Methoxychlor
87	25.80	112224	BB	2.591691E-02	
88	26.35	941607	BB	2.174547E-01	
89	26.68	76047	BB	1.756230E-02	
90	26.93	93931	BB	2.169236E-02	
91	27.12	976236	BB	2.254520E-01	
92	27.38	2711335	BB	6.261559E-01	
93	27.77	9528	BB	2.200347E-03	
94	27.93	21935	BB	5.065655E-03	
95	28.14	8394	BB	1.938593E-03	
96	28.37	15230	BB	3.517179E-03	
97	28.79	2500205	BB	5.773973E-01	

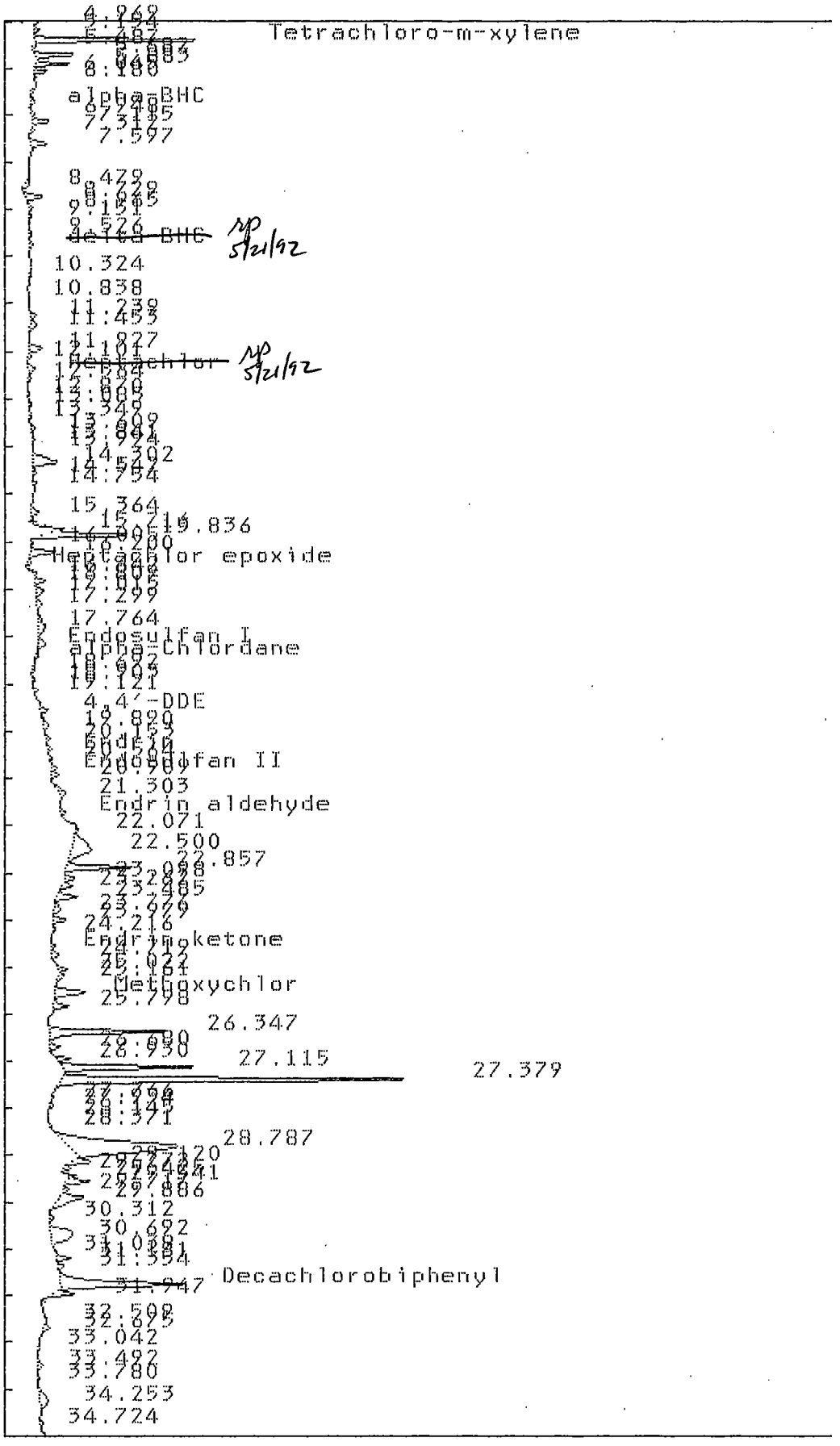
COLUMN ID:HP5890XB RTx5 .53MM

EQK08
5/19/92 09:59

Pk#	RT	Area	Code	NG	NAME
98	29.12	108131	BB	2.497182E-02	
99	29.27	41403	BB	9.561619E-03	
100	29.43	43850	BB	1.012669E-02	
101	29.54	140799	BB	3.251623E-02	
102	29.72	31717	BB	7.324775E-03	
103	29.89	323094	BB	7.461543E-02	
104	30.31	38616	BB	8.917920E-03	
105	30.69	541637	BB	1.250857E-01	
106	31.04	13246	BB	3.058974E-03	
107	31.18	103529	BB	2.390902E-02	
108	31.35	49104	BB	1.134010E-02	
109	31.74	1319946	BB	9.833717E-02	Decachlorobiphenyl
110	31.95	95028	BB	2.194579E-02	
111	32.51	12614	BB	2.913045E-03	
112	32.68	43008	BB	9.932302E-03	
113	33.04	19267	BB	4.449582E-03	
114	33.49	63683	BB	1.470693E-02	
115	33.78	9928	BB	2.292763E-03	
116	34.25	189347	BB	4.372774E-02	
117	34.72	22209	BB	5.128953E-03	

Total Area : 19277096 Total NG : 313047.000

COLUMN ID:HP5890XB RTx5 .53MM
SampleName : EQK08 (60016) 1UL TMB
Method : /METHODS/XBIAIB514.MTH
Injected on :Tue May 19, 1992 9:59:56 am
Report File : /DATA/LOOP/FORMAT/GSHORT_AREA.FMT



COLUMN ID:HP5890XA RTx1701 .53MM
Sample Name : EQK09 (60017) 1UL TMB Report No : 36.00

Peak Processor : Genie Multilevel : False
Instrument : XA Application : Loop
Calculation : ExternalSTD Quantitation : AreaUnits
Result File : /XA/XA518029.RES
Run Time : 35.00 Minutes Injected on Tue May 19, 1992 1:37:18 p

Run Status : EndOffBaseline
SignalOverload

Pk#	RT	Area	Code	NG	NAME
1	3.55	339538	BS	7.841296E-02	
2	3.86	119454	BB	2.758666E-02	
3	3.98	35678	BB	8.239400E-03	
4	4.15	117777	BB	2.719935E-02	
5	4.32	799262	BB	1.845815E-01	
6	4.56	196531	BB	4.538688E-02	
7	4.99	27969	BB	6.459162E-03	
8	5.57	536634	BB	2.839680E-02	Tetrachloro-m-xylene
9	5.87	15080	BB	3.482517E-03	
10	6.30	13546	BB	3.128212E-03	
11	6.88	8553	BB	1.975307E-03	
12	7.31	162570	BB	3.754395E-02	
13	8.19	8235	BB	1.901748E-03	
14	8.66	52211	BB	1.205759E-02	
15	8.84	56085	BB	1.295219E-02	
16	9.38	17908	BB	4.135570E-03	
17	9.97	78680	BB	1.817028E-02	
18	10.29	21309	BB	4.921042E-03	
19	11.06	50245	BB	1.160359E-02	
20	13.20	51635	BB	1.192464E-02	
21	14.51	65349	BB	1.509178E-02	
22	14.81	30524	BB	7.049317E-03	
23	15.25	11997	BB	2.770519E-03	
24	16.60	14140	BB	3.265551E-03	
25	16.84	8762	BB	2.023534E-03	
26	17.19	154253	BB	1.818227E-02	beta-BHC
27	17.74	36417	BB	8.410253E-03	
28	18.32	13430	BB	3.101481E-03	
29	18.62	23112	BB	1.615881E-03	~~Heptachlor epoxide~~ MP 5/21/92
30	19.21	10013	BB	2.312478E-03	
31	19.52	85402	BB	1.972279E-02	
32	19.78	13703	BB	9.803169E-04	~~Endosulfan I~~ MP 5/21/92
33	20.12	12837	BB	2.964550E-03	
34	20.47	19219	BB	4.438368E-03	
35	20.91	14073	BB	3.249931E-03	
36	21.15	49608	BB	4.107238E-03	4,4'-DDE
37	21.48	13659	BB	1.123584E-03	Dieldrin
38	21.69	18429	BB	4.255900E-03	
39	21.87	16159	BB	3.731710E-03	
40	22.19	33437	BB	7.722033E-03	
41	22.56	14157	BB	3.269399E-03	
42	23.17	43938	BB	1.014708E-02	
43	23.61	13688	BB	3.161045E-03	

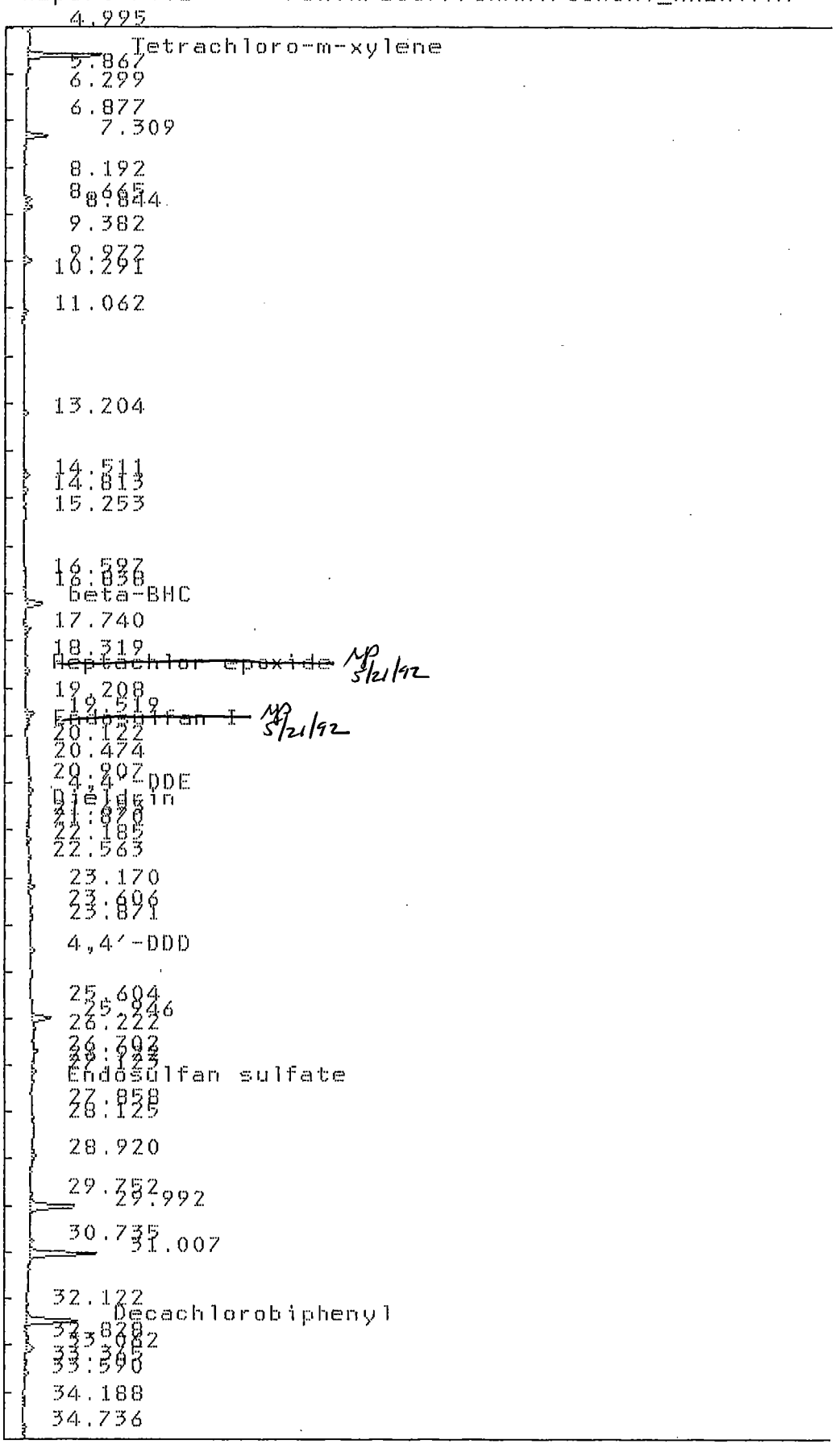
COLUMN ID:HP5890XA RTx1701 .53MM

EQK09
5/19/92 13:37

Pk#	RT	Area	Code	NG	NAME
44	23.87	8150	BB	1.882064E-03	
45	24.54	27808	BB	3.140622E-03	4,4'-DDD
46	25.60	9442	BB	2.180516E-03	
47	25.95	169826	BB	3.921953E-02	
48	26.22	12425	BB	2.869498E-03	
49	26.70	32359	BB	7.473079E-03	
50	26.92	10057	BB	2.322484E-03	
51	27.12	35541	BB	8.207900E-03	
52	27.37	18059	BB	2.166589E-03	Endosulfan sulfate
53	27.86	8869	BB	2.048263E-03	
54	28.13	8045	BB	1.857907E-03	
55	28.92	56031	BB	1.293975E-02	
56	29.75	9230	BB	2.131555E-03	
57	29.99	450476	BB	1.040328E-01	
58	30.74	22889	BB	5.285895E-03	
59	31.01	572970	BB	1.323218E-01	
60	32.12	13521	BB	3.122611E-03	
61	32.46	501365	BB	3.686715E-02	Decachlorobiphenyl
62	32.83	12837	BB	2.964667E-03	
63	33.06	90328	BB	2.086029E-02	
64	33.37	15568	BB	3.595338E-03	
65	33.59	33082	BB	7.640071E-03	
66	34.19	15094	BB	3.485716E-03	
67	34.74	29797	BB	6.881307E-03	

Total Area : 5588976 Total NG : 1.078

COLUMN ID:HP5890XA RTx1701 .53MM
SampleName : EQK09 (60017) 1UL TMB
Method : /methods/XAIAIB514.MTH
Injected on :Tue May 19, 1992 1:37:18 pm
Report File : /DATA/LOOP/FORMAT/GSHORT_AREA.FMT



COLUMN ID:HP5890XA RTx1701 .53MM
Sample Name : EQK09 (60017) 1UL TMB Report No : 36.00

Peak Processor : Genie Multilevel : False
Instrument : XA Application : Loop
Calculation : ExternalSTD Quantitation : AreaUnits
Result File : /XA/XA518029.RES
Run Time : 35.00 Minutes Injected on Tue May 19, 1992 1:37:18 p

Run Status : EndOffBaseline
SignalOverload

Pk#	RT	Area	Code	NG	NAME
1	3.55	339538	BS	7.841296E-02	
2	3.86	119454	BB	2.758666E-02	
3	3.98	35678	BB	8.239400E-03	
4	4.15	117777	BB	2.719935E-02	
5	4.32	799262	BB	1.845815E-01	
6	4.56	196531	BB	4.538688E-02	
7	4.99	27969	BB	6.459162E-03	
8	5.57	536634	BB	2.839680E-02	Tetrachloro-m-xylene
9	5.87	15080	BB	3.482517E-03	
10	6.30	13546	BB	3.128212E-03	
11	6.88	8553	BB	1.975307E-03	
12	7.31	162570	BB	3.754395E-02	
13	8.19	8235	BB	1.901748E-03	
14	8.66	52211	BB	1.205759E-02	
15	8.84	56085	BB	1.295219E-02	
16	9.38	17908	BB	4.135570E-03	
17	9.97	78680	BB	1.817028E-02	
18	10.29	21309	BB	4.921042E-03	
19	11.06	50245	BB	1.160359E-02	
20	13.20	51635	BB	1.192464E-02	
21	14.51	65349	BB	1.509178E-02	
22	14.81	30524	BB	7.049317E-03	
23	15.25	11997	BB	2.770519E-03	
24	16.60	14140	BB	3.265551E-03	
25	16.84	8762	BB	2.023534E-03	
26	17.19	154253	BB	1.818227E-02	beta-BHC
27	17.74	36417	BB	8.410253E-03	
28	18.32	13430	BB	3.101481E-03	
29	18.62	23112	BB	1.615881E-03	~~Heptachlor epoxide~~ MP 5/21/92
30	19.21	10013	BB	2.312478E-03	
31	19.52	85402	BB	1.972279E-02	
32	19.78	13703	BB	9.803169E-04	~~Endosulfan I~~ MP 5/21/92
33	20.12	12837	BB	2.964550E-03	
34	20.47	19219	BB	4.438368E-03	
35	20.91	14073	BB	3.249931E-03	
36	21.15	49608	BB	4.107238E-03	4,4'-DDE
37	21.48	13659	BB	1.123584E-03	Dieldrin
38	21.69	18429	BB	4.255900E-03	
39	21.87	16159	BB	3.731710E-03	
40	22.19	33437	BB	7.722033E-03	
41	22.56	14157	BB	3.269399E-03	
42	23.17	43938	BB	1.014708E-02	
43	23.61	13688	BB	3.161045E-03	

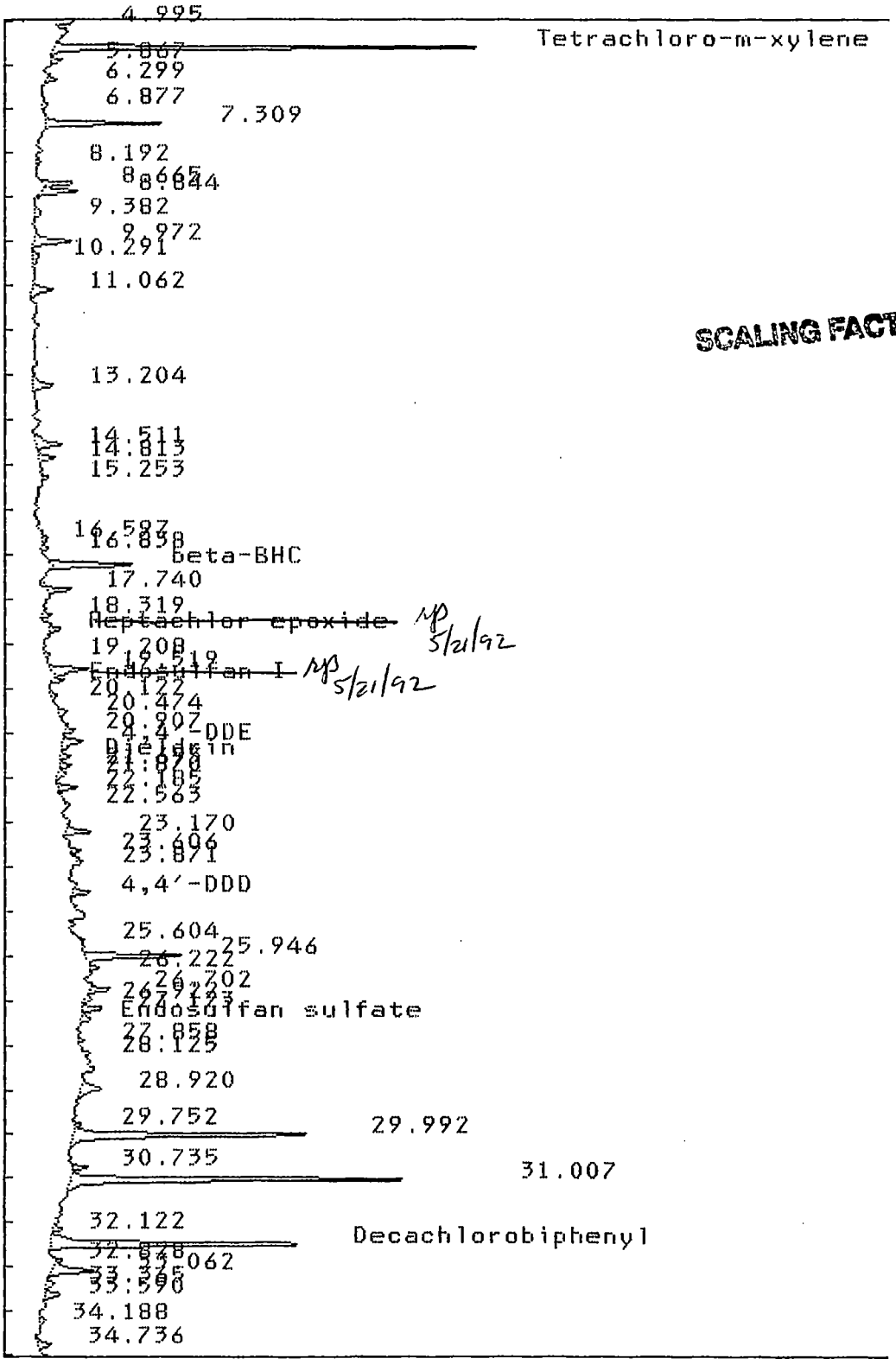
COLUMN ID:HP5890XA RTx1701 .53MM

EQK09
5/19/92 13:37

Pk#	RT	Area	Code	NG	NAME
44	23.87	8150	BB	1.882064E-03	
45	24.54	27808	BB	3.140622E-03	4,4'-DDD
46	25.60	9442	BB	2.180516E-03	
47	25.95	169826	BB	3.921953E-02	
48	26.22	12425	BB	2.869498E-03	
49	26.70	32359	BB	7.473079E-03	
50	26.92	10057	BB	2.322484E-03	
51	27.12	35541	BB	8.207900E-03	
52	27.37	18059	BB	2.166589E-03	Endosulfan sulfate
53	27.86	8869	BB	2.048263E-03	
54	28.13	8045	BB	1.857907E-03	
55	28.92	56031	BB	1.293975E-02	
56	29.75	9230	BB	2.131555E-03	
57	29.99	450476	BB	1.040328E-01	
58	30.74	22889	BB	5.285895E-03	
59	31.01	572970	BB	1.323218E-01	
60	32.12	13521	BB	3.122611E-03	
61	32.46	501365	BB	3.686715E-02	Decachlorobiphenyl
62	32.83	12837	BB	2.964667E-03	
63	33.06	90328	BB	2.086029E-02	
64	33.37	15568	BB	3.595338E-03	
65	33.59	33082	BB	7.640071E-03	
66	34.19	15094	BB	3.485716E-03	
67	34.74	29797	BB	6.881307E-03	

Total Area : 5588976 Total NG : 1.078

COLUMN ID:HP5890XA RTx1701 .53MM
SampleName : EQK09 (60017) 1UL TMB
Method : /methods/XAIAIB514.MTH
Injected on :Tue May 19, 1992 1:37:18 pm
Report File : /DATA/LOOP/FORMAT/GSHORT_AREA.FMT



SCALING FACTOR 5

COLUMN ID:HP5890XB RTx5 .53MM
Sample Name : EQK09 (60017) 1UL TMB Report No : 36.00

Peak Processor : Genie Multilevel : False
Instrument : XB Application : Loop
Calculation : ExternalSTD Quantitation : AreaUnits
Result File : /XB/XB518029.RES
Run Time : 35.00 Minutes Injected on Tue May 19, 1992 1:37:18 p

Run Status : EndOffBaseline
SignalOverload

Pk#	RT	Area	Code	NG	NAME
1	3.14	9268	BS	2.140451E-03	
2	3.29	146662	BB	3.387014E-02	
3	3.47	21789	BB	5.031949E-03	
4	3.60	12967	BB	2.994557E-03	
5	3.68	37184	BB	8.587373E-03	
6	3.86	24014	BB	5.545889E-03	
7	3.96	46531	BB	1.074584E-02	
8	4.08	56923	BB	1.314587E-02	
9	4.26	139750	BB	3.227385E-02	
10	4.45	22166	BB	5.119042E-03	
11	4.72	15135	BB	3.495343E-03	
12	4.86	47261	BB	1.091445E-02	
13	4.98	22007	BB	5.082244E-03	
14	5.16	37802	BB	8.730026E-03	
15	5.36	933935	BB	6.600925E-02	Tetrachloro-m-xylene
16	5.49	12148	BB	2.805398E-03	
17	5.70	40563	BB	9.367611E-03	
18	5.89	196830	BB	4.545595E-02	
19	6.05	91528	BB	2.113752E-02	
20	6.68	50424	BB	1.164481E-02	
21	6.97	20009	BB	4.620905E-03	
22	7.12	85070	BB	1.964596E-02	
23	7.31	11740	BB	2.711238E-03	
24	7.60	161361	BB	3.726467E-02	
25	8.48	33652	BB	7.771658E-03	
26	8.73	108567	BB	2.507239E-02	
27	8.96	12696	BB	2.932083E-03	
28	9.56	8175	BB	7.238385E-04	~~delta-BHC~~ MP 5/21/92
29	9.73	22839	BB	5.274389E-03	
30	11.24	118545	BB	2.737682E-02	
31	11.46	22470	BB	5.189225E-03	
32	11.93	113242	BB	2.615209E-02	
33	12.10	14580	BB	3.367058E-03	
34	12.36	68185	BB	5.284044E-03	~~Heptachlor~~ MP 5/21/92
35	12.57	15861	BB	3.662999E-03	
36	13.07	11844	BB	2.735268E-03	
37	13.62	32721	BB	7.556643E-03	
38	13.83	10953	BB	2.529551E-03	
39	14.21	316866	BB	2.854457E-02	Aldrin
40	14.54	17746	BB	4.098299E-03	
41	14.75	19559	BB	4.516915E-03	
42	15.39	55102	BB	1.272514E-02	
43	15.72	31798	BB	7.343376E-03	

COLUMN ID:HP5890XB RTx5 .53MM

EQK09
5/19/92 13:37

Pk#	RT	Area	Code	NG	NAME
44	15.84	151943	BB	3.508981E-02	
45	16.00	8878	BB	2.050329E-03	
46	16.20	116088	BB	2.680937E-02	
47	16.44	8230	BB	6.449826E-04	Heptachlor epoxide
48	16.62	13068	BB	3.017877E-03	
49	16.81	51140	BB	1.181022E-02	
50	17.02	71158	BB	1.643325E-02	
51	17.29	55621	BB	1.284513E-02	
52	17.75	8337	BB	1.925351E-03	
53	18.15	32247	BB	2.688619E-03	Endosulfan I
54	18.37	20642	BB	1.565855E-03	alpha-Chlordane
55	18.58	20286	BB	4.684848E-03	
56	19.12	13018	BB	3.006375E-03	
57	19.27	9471	BB	2.187258E-03	
58	19.54	17072	BB	1.695011E-03	4,4'-DDE
59	19.90	61617	BB	1.422984E-02	
60	20.16	26064	BB	6.019273E-03	
61	20.37	20564	BB	3.075108E-03	Endrin
62	20.56	8848	BB	2.043416E-03	
63	20.77	34075	BB	3.249780E-03	Endosulfan II
64	20.91	34172	BB	7.891577E-03	
65	21.30	24055	BB	5.555275E-03	
66	21.70	14055	BB	1.716909E-03	Endrin aldehyde
67	21.96	9516	BB	2.197694E-03	
68	22.07	10010	BB	2.311749E-03	
69	22.31	11498	BB	2.655372E-03	
70	22.53	10830	BB	2.501021E-03	
71	22.86	331610	BB	7.658210E-02	
72	23.10	53064	BB	1.225452E-02	
73	23.27	21368	BB	4.934674E-03	
74	23.49	107610	BB	2.485143E-02	
75	23.78	45433	BB	1.049229E-02	
76	23.98	60753	BB	1.403038E-02	
77	24.39	14026	BB	3.239095E-03	
78	24.55	12771	BB	1.255136E-03	Endrin ketone
79	24.72	36469	BB	8.422077E-03	
80	25.02	53250	BB	1.229759E-02	
81	25.17	32441	BB	7.491818E-03	
82	25.48	133952	BB	1.339520E+05	Methoxychlor
83	25.80	64862	BB	1.497932E-02	
84	26.35	338804	BB	7.824335E-02	
85	26.68	27075	BB	6.252615E-03	
86	26.94	37544	BB	8.670522E-03	
87	27.12	524277	BB	1.210765E-01	
88	27.38	1120192	BB	2.586972E-01	
89	27.78	10279	BB	2.373834E-03	
90	27.94	9521	BB	2.198727E-03	
91	28.76	35321	BB	8.157125E-03	
92	28.92	9297	BB	2.147013E-03	
93	29.13	83668	BB	1.932225E-02	
94	29.28	29269	BB	6.759366E-03	
95	29.42	24575	BB	5.675276E-03	
96	29.54	76998	BB	1.778198E-02	
97	29.89	213286	BB	4.925629E-02	

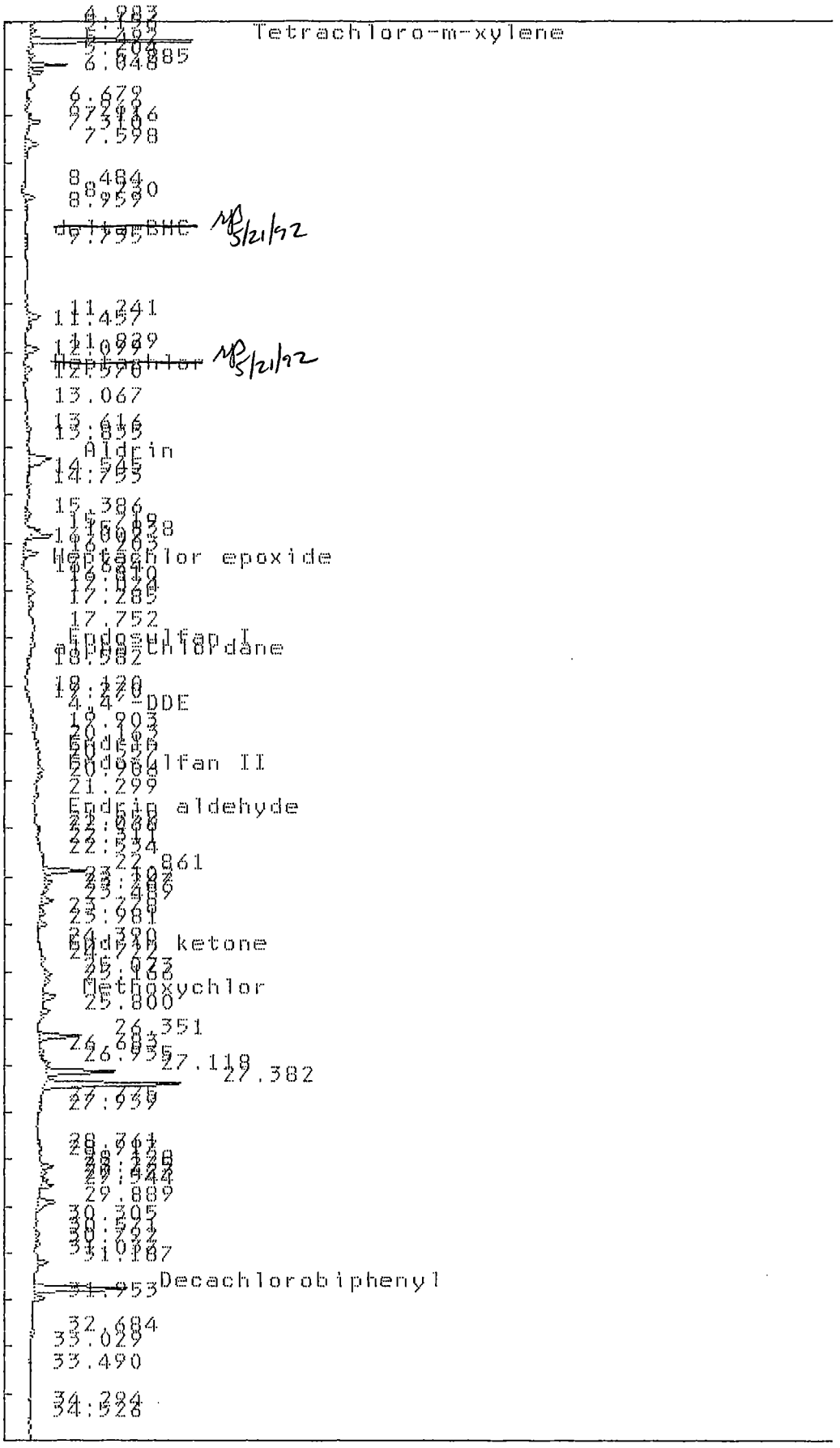
COLUMN ID:HP5890XB RTx5 .53MM

EQK09
5/19/92 13:37

Pk#	RT	Area	Code	NG	NAME
98	30.31	16574	BB	3.827656E-03	
99	30.57	29943	BB	6.914976E-03	
100	30.79	36723	BB	8.480905E-03	
101	31.04	9519	BB	2.198249E-03	
102	31.19	08183	BB	2.036501E-02	
103	31.74	763139	BB	5.685456E-02	Decachlorobiphenyl
104	31.95	80583	BB	1.860987E-02	
105	32.68	31091	BB	7.180112E-03	
106	33.03	13707	BB	3.165392E-03	
107	33.49	19561	BB	4.517432E-03	
108	34.29	17911	BB	4.136290E-03	
109	34.53	8062	BB	1.861934E-03	

Total Area : 8763686 Total NG : 133953.600

COLUMN ID:HP5890XB RTx5 .53MM
SampleName : EQK09 (60017) 1UL TMB
Method : /METHODS/XBIAIB514.MTH
Injected on :Tue May 19, 1992 1:37:18 pm
Report File : /DATA/LOOP/FORMAT/GSHORT_AREA.FMT



COLUMN ID:HP5890XB RTx5 .53MM
Sample Name : EQK09 (60017) 1UL TMB Report No : 36.00

Peak Processor : Genie Multilevel : False
Instrument : XB Application : Loop
Calculation : ExternalSTD Quantitation : AreaUnits
Result File : /XB/XB518029.RES
Run Time : 35.00 Minutes Injected on Tue May 19, 1992 1:37:18 p

Run Status : EndOffBaseline
SignalOverload

Pk#	RT	Area	Code	NG	NAME
1	3.14	9268	BS	2.140451E-03	
2	3.29	146662	BB	3.387014E-02	
3	3.47	21789	BB	5.031949E-03	
4	3.60	12967	BB	2.994557E-03	
5	3.68	37184	BB	8.587373E-03	
6	3.86	24014	BB	5.545889E-03	
7	3.96	46531	BB	1.074584E-02	
8	4.08	56923	BB	1.314587E-02	
9	4.26	139750	BB	3.227385E-02	
10	4.45	22166	BB	5.119042E-03	
11	4.72	15135	BB	3.495343E-03	
12	4.86	47261	BB	1.091445E-02	
13	4.98	22007	BB	5.082244E-03	
14	5.16	37802	BB	8.730026E-03	
15	5.36	933935	BB	6.600925E-02	Tetrachloro-m-xylene
16	5.49	12148	BB	2.805398E-03	
17	5.70	40563	BB	9.367611E-03	
18	5.89	196830	BB	4.545595E-02	
19	6.05	91528	BB	2.113752E-02	
20	6.68	50424	BB	1.164481E-02	
21	6.97	20009	BB	4.620905E-03	
22	7.12	85070	BB	1.964596E-02	
23	7.31	11740	BB	2.711238E-03	
24	7.60	161361	BB	3.726467E-02	
25	8.48	33652	BB	7.771658E-03	
26	8.73	108567	BB	2.507239E-02	
27	8.96	12696	BB	2.932083E-03	
28	9.56	8175	BB	7.238385E-04	~~delta-BHC~~ SP 5/21/92
29	9.73	22839	BB	5.274389E-03	
30	11.24	118545	BB	2.737682E-02	
31	11.46	22470	BB	5.189225E-03	
32	11.93	113242	BB	2.615209E-02	
33	12.10	14580	BB	3.367058E-03	
34	12.36	68185	BB	5.284044E-03	~~Heptachlor~~ SP 5/21/92
35	12.57	15861	BB	3.662999E-03	
36	13.07	11844	BB	2.735268E-03	
37	13.62	32721	BB	7.556643E-03	
38	13.83	10953	BB	2.529551E-03	
39	14.21	316866	BB	2.854457E-02	Aldrin
40	14.54	17746	BB	4.098299E-03	
41	14.75	19559	BB	4.516915E-03	
42	15.39	55102	BB	1.272514E-02	
43	15.72	31798	BB	7.343376E-03	

COLUMN ID:HP5890XB RTx5 .53MM

EQK09
5/19/92 13:37

Pk#	RT	Area	Code	NG	NAME
44	15.84	151943	BB	3.508981E-02	
45	16.00	8878	BB	2.050329E-03	
46	16.20	116088	BB	2.680937E-02	
47	16.44	8230	BB	6.449826E-04	Heptachlor epoxide
48	16.62	13068	BB	3.017877E-03	
49	16.81	51140	BB	1.181022E-02	
50	17.02	71158	BB	1.643325E-02	
51	17.29	55621	BB	1.284513E-02	
52	17.75	8337	BB	1.925351E-03	
53	18.15	32247	BB	2.688619E-03	Endosulfan I
54	18.37	20642	BB	1.565855E-03	alpha-Chlordane
55	18.58	20286	BB	4.684848E-03	
56	19.12	13018	BB	3.006375E-03	
57	19.27	9471	BB	2.187258E-03	
58	19.54	17072	BB	1.695011E-03	4,4'-DDE
59	19.90	61617	BB	1.422984E-02	
60	20.16	26064	BB	6.019273E-03	
61	20.37	20564	BB	3.075108E-03	Endrin
62	20.56	8848	BB	2.043416E-03	
63	20.77	34075	BB	3.249780E-03	Endosulfan II
64	20.91	34172	BB	7.891577E-03	
65	21.30	24055	BB	5.555275E-03	
66	21.70	14055	BB	1.716909E-03	Endrin aldehyde
67	21.96	9516	BB	2.197694E-03	
68	22.07	10010	BB	2.311749E-03	
69	22.31	11498	BB	2.655372E-03	
70	22.53	10830	BB	2.501021E-03	
71	22.86	331610	BB	7.658210E-02	
72	23.10	53064	BB	1.225452E-02	
73	23.27	21368	BB	4.934674E-03	
74	23.49	107610	BB	2.485143E-02	
75	23.78	45433	BB	1.049229E-02	
76	23.98	60753	BB	1.403038E-02	
77	24.39	14026	BB	3.239095E-03	
78	24.55	12771	BB	1.255136E-03	Endrin ketone
79	24.72	36469	BB	8.422077E-03	
80	25.02	53250	BB	1.229759E-02	
81	25.17	32441	BB	7.491818E-03	
82	25.48	133952	BB	1.339520E+05	Methoxychlor
83	25.80	64862	BB	1.497932E-02	
84	26.35	338804	BB	7.824335E-02	
85	26.68	27075	BB	6.252615E-03	
86	26.94	37544	BB	8.670522E-03	
87	27.12	524277	BB	1.210765E-01	
88	27.38	1120192	BB	2.586972E-01	
89	27.78	10279	BB	2.373834E-03	
90	27.94	9521	BB	2.198727E-03	
91	28.76	35321	BB	8.157125E-03	
92	28.92	9297	BB	2.147013E-03	
93	29.13	83668	BB	1.932225E-02	
94	29.28	29269	BB	6.759366E-03	
95	29.42	24575	BB	5.675276E-03	
96	29.54	76998	BB	1.778198E-02	
97	29.89	213286	BB	4.925629E-02	

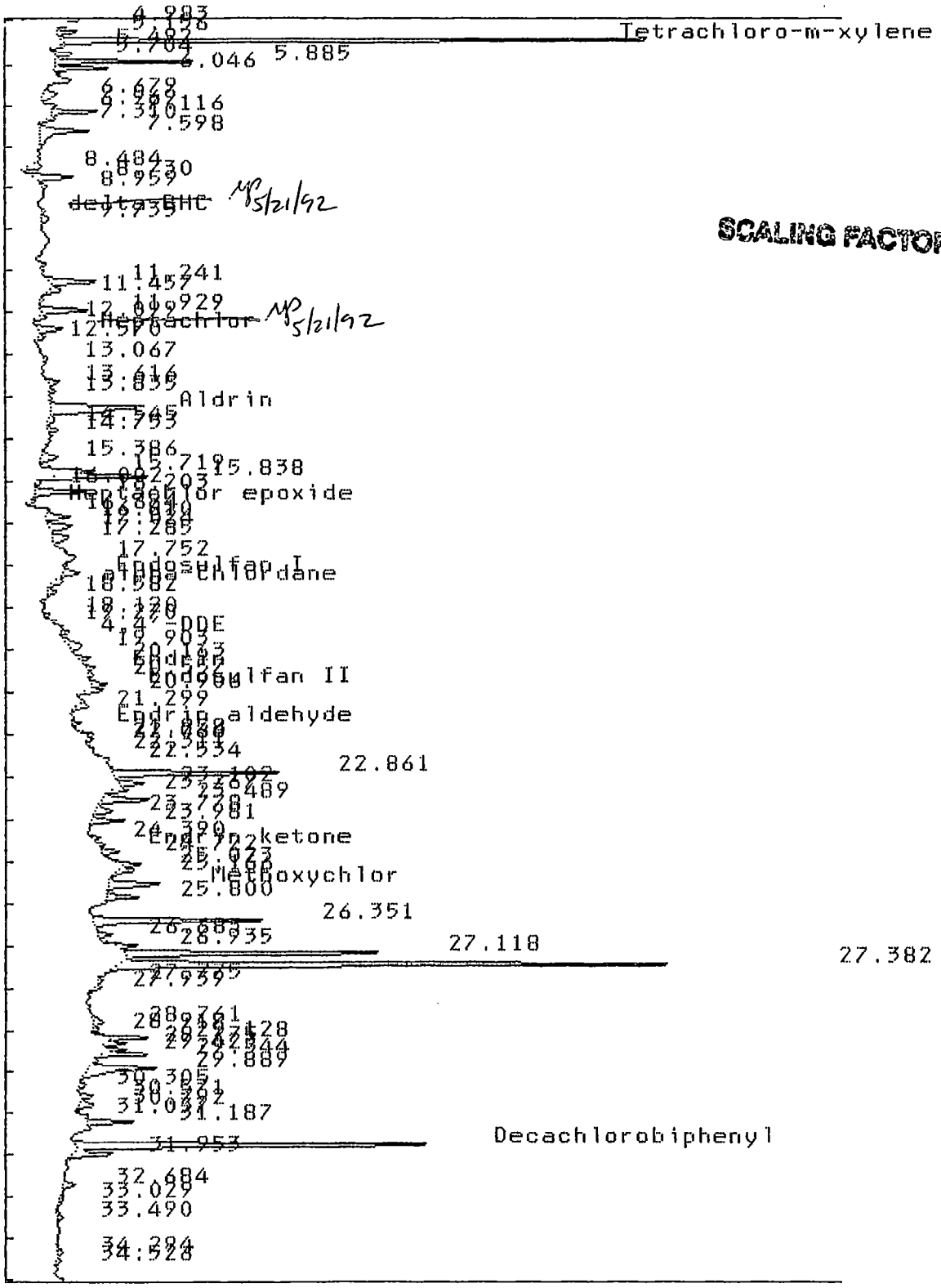
COLUMN ID:HP5890XB RTx5 .53MM

EQKØ9
5/19/92 13:37

Pk#	RT	Area	Code	NG	NAME
98	30.31	16574	BB	3.827656E-03	
99	30.57	29943	BB	6.914976E-03	
100	30.79	36723	BB	8.480905E-03	
101	31.04	9519	BB	2.198249E-03	
102	31.19	88183	BB	2.036501E-02	
103	31.74	763139	BB	5.685456E-02	Decachlorobiphenyl
104	31.95	80583	BB	1.860987E-02	
105	32.68	31091	BB	7.180112E-03	
106	33.03	13707	BB	3.165392E-03	
107	33.49	19561	BB	4.517432E-03	
108	34.29	17911	BB	4.136290E-03	
109	34.53	8062	BB	1.861934E-03	

Total Area : 8763686 Total NG : 133953.600

COLUMN ID:HP5890XB RTx5 .53MM
SampleName : EQK09 (60017) 1UL TMB
Method : /METHODS/XBIAIB514.MTH
Injected on :Tue May 19, 1992 1:37:18 pm
Report File : /DATA/LOOP/FORMAT/GSHORT_AREA.FMT



SCALING FACTOR 4

COLUMN ID:HP5890XA RTx1701 .53MM
Sample Name : EQK26 (60304) 1UL TMB Report No : 16.00

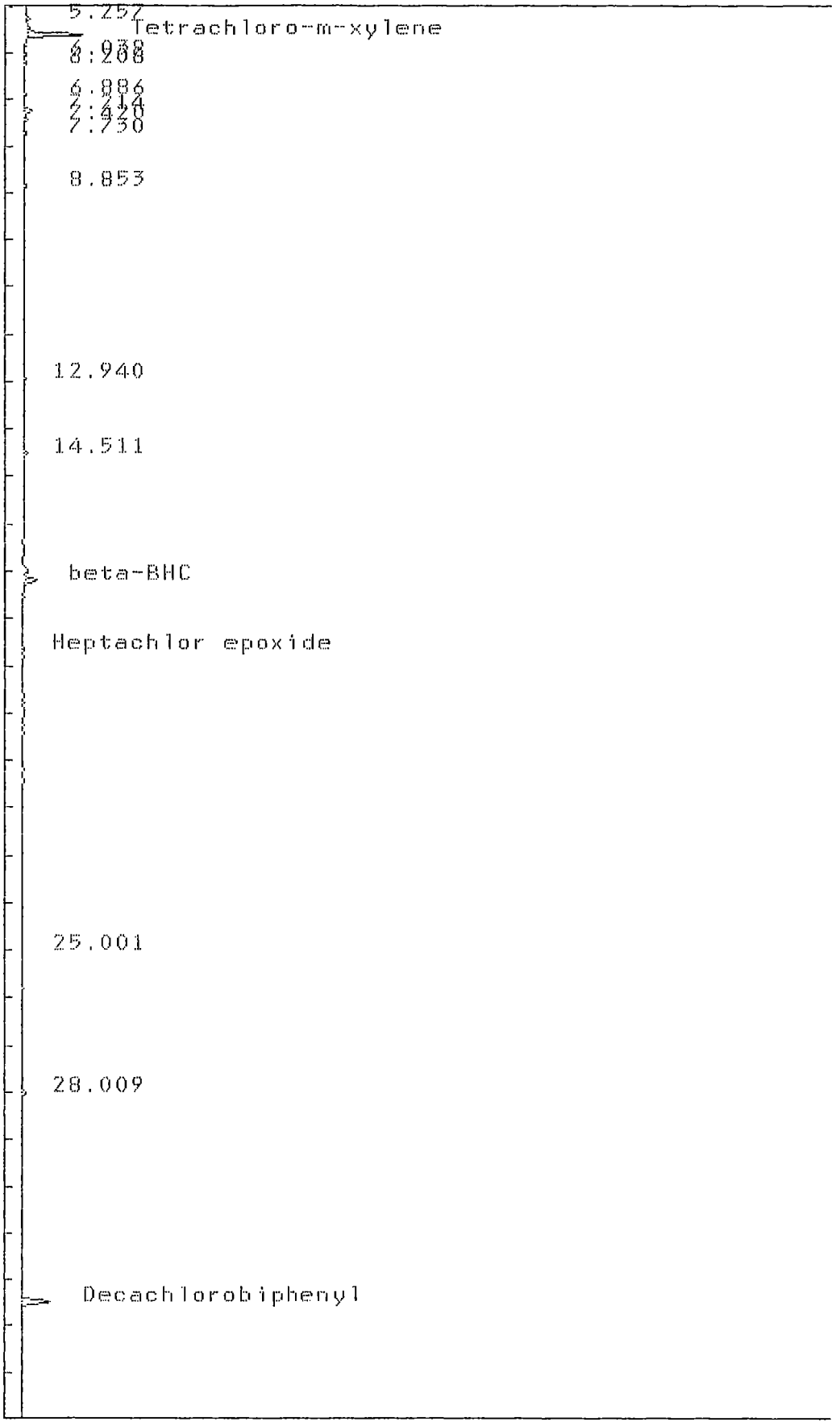
Peak Processor : Genie Multilevel : False
Instrument : XA Application : Loop
Calculation : ExternalSTD Quantitation : AreaUnits
Result File : /XA/XA518009.RES
Run Time : 35.02 Minutes Injected on Mon May 18, 1992 11:07:21 p

Run Status : EndOffBaseline
SignalOverload

Pk#	RT	Area	Code	NG	NAME
1	3.70	14596	BB	3.370871E-03	
2	3.86	81396	BB	1.879756E-02	
3	4.03	18854	BB	4.354063E-03	
4	4.17	127833	BB	2.952170E-02	
5	4.32	300661	BB	6.943467E-02	
6	4.56	133633	BB	3.086121E-02	
7	5.26	19968	BB	4.611367E-03	
8	5.58	364257	BB	1.927523E-02	Tetrachloro-m-xylene
9	6.04	8778	BB	2.027136E-03	
10	6.21	10020	BB	2.314052E-03	
11	6.89	12426	BB	2.869728E-03	
12	7.21	62761	BB	1.449394E-02	
13	7.42	13101	BB	3.025511E-03	
14	7.73	16346	BB	3.775010E-03	
15	8.85	15679	BB	3.620890E-03	
16	12.94	22518	BB	5.200248E-03	
17	14.51	18080	BB	4.175427E-03	
18	17.18	76701	BB	9.040924E-03	beta-BHC
19	18.64	8225	BB	5.750220E-04	Heptachlor epoxide
20	25.00	16626	BB	3.839541E-03	
21	28.01	33125	BB	7.649839E-03	
22	32.47	250086	BB	1.838968E-02	Decachlorobiphenyl

Total Area : 1625668 Total NG : .261

COLUMN ID:HP5890XA RTx1701 .53MM
SampleName : EQK26 (60304) 1UL TMB
Method : /methods/XAIAIB514.MTH
Injected on :Mon May 18, 1992 11:07:21 pm
Report File : /DATA/LOOP/FORMAT/GSHORT_AREA.FMT



COLUMN ID:HP5890XA RTx1701 .53MM
Sample Name : EQK26 (60304) 1UL TMB Report No : 16.00

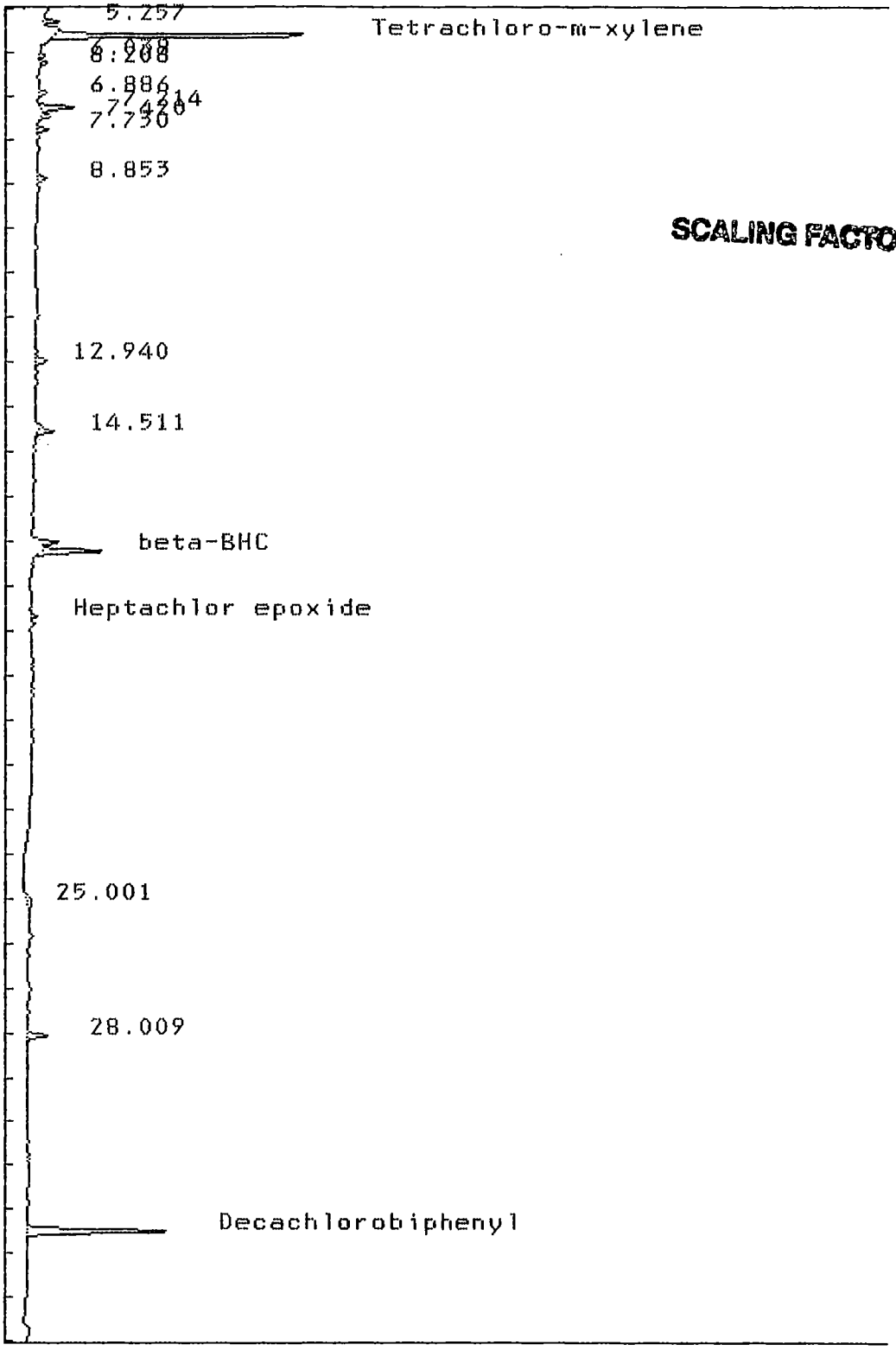
Peak Processor : Genie Multilevel : False
Instrument : XA Application : Loop
Calculation : ExternalSTD Quantitation : AreaUnits
Result File : /XA/XA518009.RES
Run Time : 35.02 Minutes Injected on Mon May 18, 1992 11:07:21 p

Run Status : EndOffBaseline
SignalOverload

Pk#	RT	Area	Code	NG	NAME
1	3.70	14596	BB	3.370871E-03	
2	3.86	81396	BB	1.879756E-02	
3	4.03	18854	BB	4.354063E-03	
4	4.17	127833	BB	2.952170E-02	
5	4.32	300661	BB	6.943467E-02	
6	4.56	133633	BB	3.086121E-02	
7	5.26	19968	BB	4.611367E-03	
8	5.58	364257	BB	1.927523E-02	Tetrachloro-m-xylene
9	6.04	8778	BB	2.027136E-03	
10	6.21	10020	BB	2.314052E-03	
11	6.89	12426	BB	2.869728E-03	
12	7.21	62761	BB	1.449394E-02	
13	7.42	13101	BB	3.025511E-03	
14	7.73	16346	BB	3.775010E-03	
15	8.85	15679	BB	3.620890E-03	
16	12.94	22518	BB	5.200248E-03	
17	14.51	18080	BB	4.175427E-03	
18	17.18	76701	BB	9.040924E-03	beta-BHC
19	18.64	8225	BB	5.750220E-04	Heptachlor epoxide
20	25.00	16626	BB	3.839541E-03	
21	28.01	33125	BB	7.649839E-03	
22	32.47	250086	BB	1.838968E-02	Decachlorobiphenyl

Total Area : 1625668 Total NG : .261

COLUMN ID:HP5890XA RTx1701 .53MM
SampleName : EQK26 (60304) 1UL TMB
Method : /methods/XAIAIB514.MTH
Injected on :Mon May 18, 1992 11:07:21 pm
Report File : /DATA/LOOP/FORMAT/GSHORT_AREA.FMT



SCALING FACTOR 5

COLUMN ID:HP5890XB RTx5 .53MM
Sample Name : EQK26 (60304) 1UL TMB Report No : 16.00

Peak Processor : Genie Multilevel : False
Instrument : XB Application : Loop
Calculation : ExternalSTD Quantitation : AreaUnits
Result File : /XB/XB518009.RES
Run Time : 35.02 Minutes Injected on Mon May 18, 1992 11:07:21 p

Run Status : SignalOverload

Pk#	RT	Area	Code	NG	NAME
1	3.03	27618	BS	6.378043E-03	
2	3.18	13753	BB	3.176006E-03	
3	3.28	309759	BB	7.153572E-02	
4	3.39	8976	BB	2.072970E-03	
5	3.53	8583	BB	1.982086E-03	
6	3.64	58356	BB	1.347674E-02	
7	3.84	20231	BB	4.672062E-03	
8	4.07	19306	BB	4.458449E-03	
9	4.18	46243	BB	1.067946E-02	
10	4.26	169154	BB	3.906452E-02	
11	4.39	12522	BB	2.891912E-03	
12	4.56	39708	BB	9.170184E-03	
13	4.67	8426	BB	1.945829E-03	
14	4.86	30360	BB	7.011225E-03	
15	5.19	43333	BB	1.000733E-02	
16	5.37	541466	BB	3.827009E-02	Tetrachloro-m-xylene
17	5.68	483876	BB	1.117464E-01	
18	6.04	15090	BB	3.484934E-03	
19	6.65	28727	BB	6.634256E-03	
20	7.02	56709	BB	1.309626E-02	
21	7.88	57001	BB	1.316381E-02	
22	8.22	10753	BB	7.971417E-04	gamma-BHC(Lindane)
23	8.43	10885	BB	2.513696E-03	
24	9.32	11148	BB	2.574448E-03	
25	9.66	15298	BB	1.354522E-03	delta-BHC
26	10.89	107083	BB	2.472975E-02	
27	11.24	188044	BB	4.342690E-02	
28	12.37	165280	BB	1.280853E-02	Heptachlor
29	12.92	16998	BB	3.925521E-03	
30	13.62	10104	BB	2.333319E-03	
31	14.20	394397	BB	3.552882E-02	Aldrin
32	14.91	14295	BB	3.301229E-03	
33	15.84	200799	BB	4.637253E-02	
34	16.44	12857	BB	1.007578E-03	Heptachlor epoxide
35	16.76	13623	BB	3.146134E-03	
36	17.58	16565	BB	1.291198E-03	gamma-Chlordane
37	17.89	10679	BB	2.466108E-03	
38	18.17	10389	BB	8.661781E-04	Endosulfan I
39	19.39	9770	BB	9.111096E-04	Dieldrin
40	19.70	11289	BB	2.607166E-03	
41	21.00	9729	BB	2.246907E-03	
42	22.19	13127	BB	3.031507E-03	
43	23.01	27120	BB	4.556857E-03	4,4'-DDT
44	23.62	9163	BB	2.116045E-03	

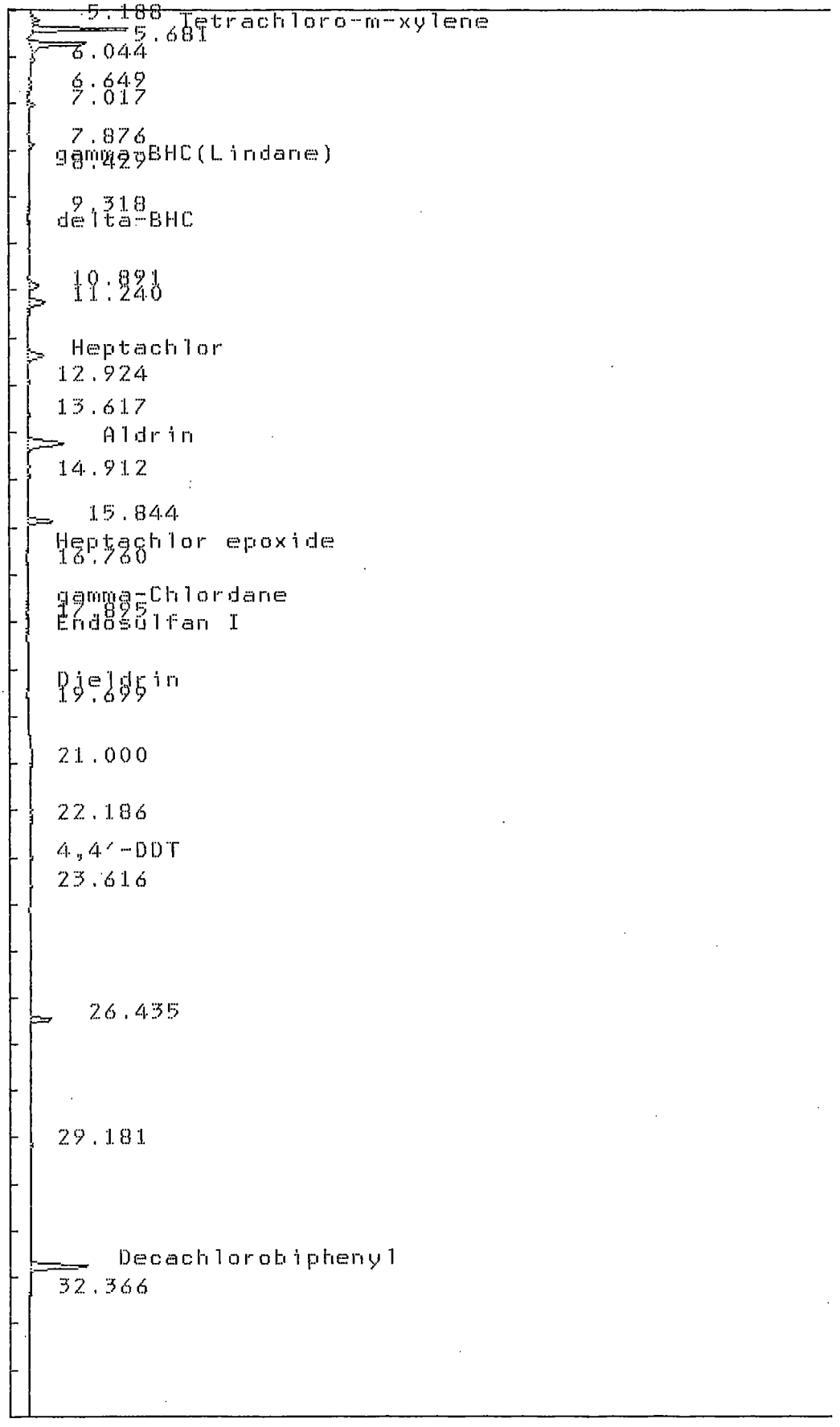
COLUMN ID:HP5890XB RTx5 .53MM

EQK26
5/18/92 23:07

Pk#	RT	Area	Code	NG	NAME
45	26.43	183921	BB	4.247476E-02	
46	29.18	16088	BB	3.715465E-03	
47	31.75	508140	BB	3.785687E-02	Decachlorobiphenyl
48	32.37	11786	BB	2.721948E-03	

Total Area : 4008527 Total NG : .666

COLUMN ID:HP5890XB RTx5 .53MM
SampleName : EQK26 (60304) 1UL TMB
Method : /METHODS/XBIAIB514.MTH
Injected on :Mon May 18, 1992 11:07:21 pm
Report File : /DATA/LOOP/FORMAT/GSHORT_AREA.FMT



COLUMN ID:HP5890XB RTx5 .53MM
Sample Name : EQK26 (60304) 1UL TMB Report No : 16.00

Peak Processor : Genie Multilevel : False
Instrument : XB Application : Loop
Calculation : ExternalSTD Quantitation : AreaUnits
Result File : /XB/XB518009.RES
Run Time : 35.02 Minutes Injected on Mon May 18, 1992 11:07:21 p

Run Status : SignalOverload

Pk#	RT	Area	Code	NG	NAME
1	3.03	27618	BS	6.378043E-03	
2	3.18	13753	BB	3.176006E-03	
3	3.28	309759	BB	7.153572E-02	
4	3.39	8976	BB	2.072970E-03	
5	3.53	8583	BB	1.982086E-03	
6	3.64	58356	BB	1.347674E-02	
7	3.84	20231	BB	4.672062E-03	
8	4.07	19306	BB	4.458449E-03	
9	4.18	46243	BB	1.067946E-02	
10	4.26	169154	BB	3.906452E-02	
11	4.39	12522	BB	2.891912E-03	
12	4.56	39708	BB	9.170184E-03	
13	4.67	8426	BB	1.945829E-03	
14	4.86	30360	BB	7.011225E-03	
15	5.19	43333	BB	1.000733E-02	
16	5.37	541466	BB	3.827009E-02	Tetrachloro-m-xylene
17	5.68	483876	BB	1.117464E-01	
18	6.04	15090	BB	3.484934E-03	
19	6.65	28727	BB	6.634256E-03	
20	7.02	56709	BB	1.309626E-02	
21	7.88	57001	BB	1.316381E-02	
22	8.22	10753	BB	7.971417E-04	gamma-BHC(Lindane)
23	8.43	10885	BB	2.513696E-03	
24	9.32	11148	BB	2.574448E-03	
25	9.66	15298	BB	1.354522E-03	delta-BHC
26	10.89	107083	BB	2.472975E-02	
27	11.24	188044	BB	4.342690E-02	
28	12.37	165280	BB	1.280853E-02	Heptachlor
29	12.92	16998	BB	3.925521E-03	
30	13.62	10104	BB	2.333319E-03	
31	14.20	394397	BB	3.552882E-02	Aldrin
32	14.91	14295	BB	3.301229E-03	
33	15.84	200799	BB	4.637253E-02	
34	16.44	12857	BB	1.007578E-03	Heptachlor epoxide
35	16.76	13623	BB	3.146134E-03	
36	17.58	16565	BB	1.291198E-03	gamma-Chlordane
37	17.89	10679	BB	2.466108E-03	
38	18.17	10389	BB	8.661781E-04	Endosulfan I
39	19.39	9770	BB	9.111096E-04	Dieldrin
40	19.70	11289	BB	2.607166E-03	
41	21.00	9729	BB	2.246907E-03	
42	22.19	13127	BB	3.031507E-03	
43	23.01	27120	BB	4.556857E-03	4,4'-DDT
44	23.62	9163	BB	2.116045E-03	

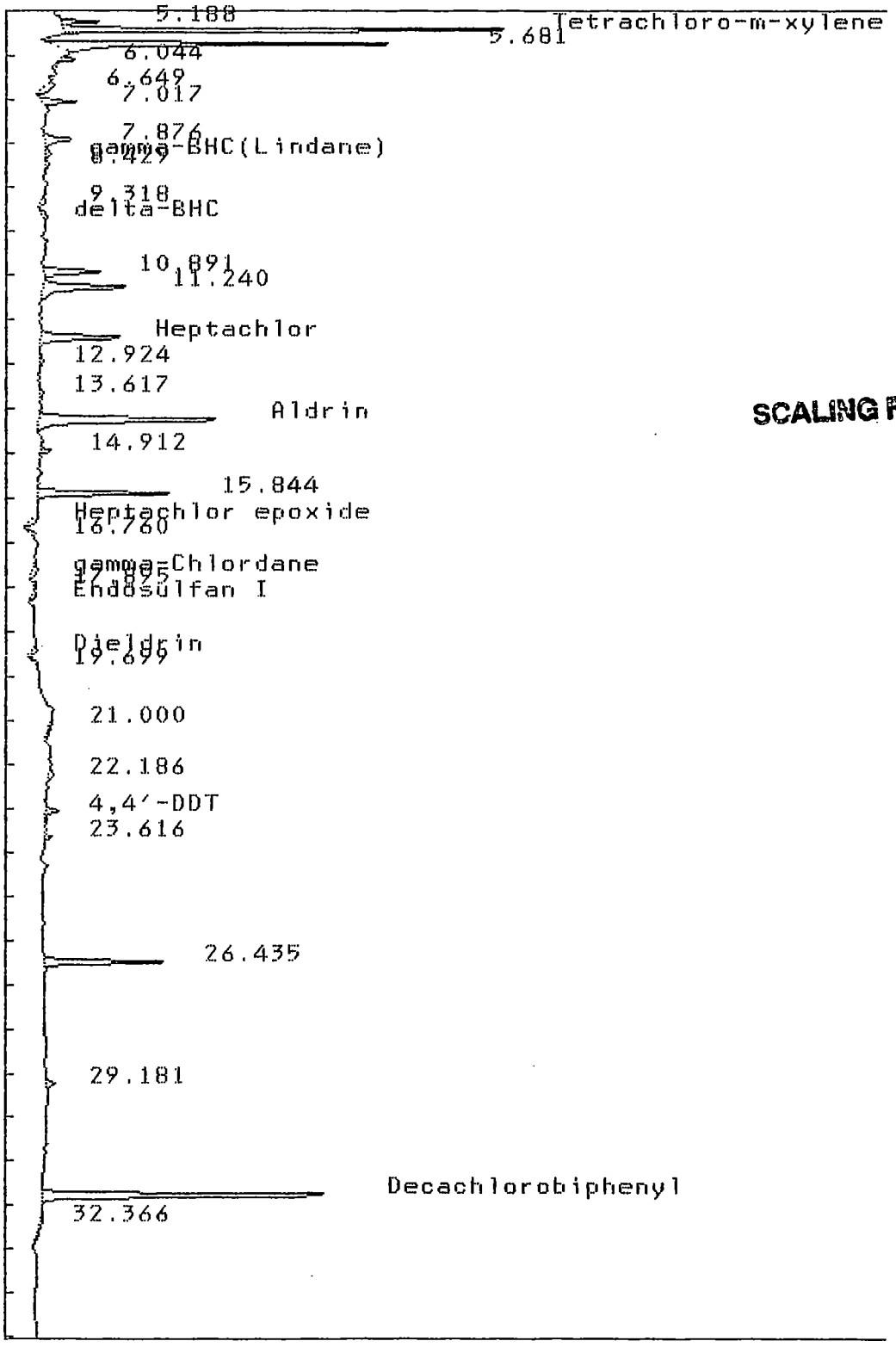
COLUMN ID:HP5890XB RTx5 .53MM

EQK26
5/18/92 23:07

Pk#	RT	Area	Code	NG	NAME
45	26.43	183921	BB	4.247476E-02	
46	29.18	16088	BB	3.715465E-03	
47	31.75	508140	BB	3.785687E-02	Decachlorobiphenyl
48	32.37	11786	BB	2.721948E-03	

Total Area = 4008527 Total NG = .666

COLUMN ID:HP5890XB RTx5 .53MM
SampleName : EQK26 (60304) 1UL TMB
Method : /METHODS/XBIAIB514.MTH
Injected on :Mon May 18, 1992 11:07:21 pm
Report File : /DATA/LOOP/FORMAT/GSHORT_AREA.FMT



SCALING FACTOR 5

COLUMN ID:HP5890XA RTx1701 .53MM
Sample Name : EQK27 (60305) 1UL TMB Report No : 24.00

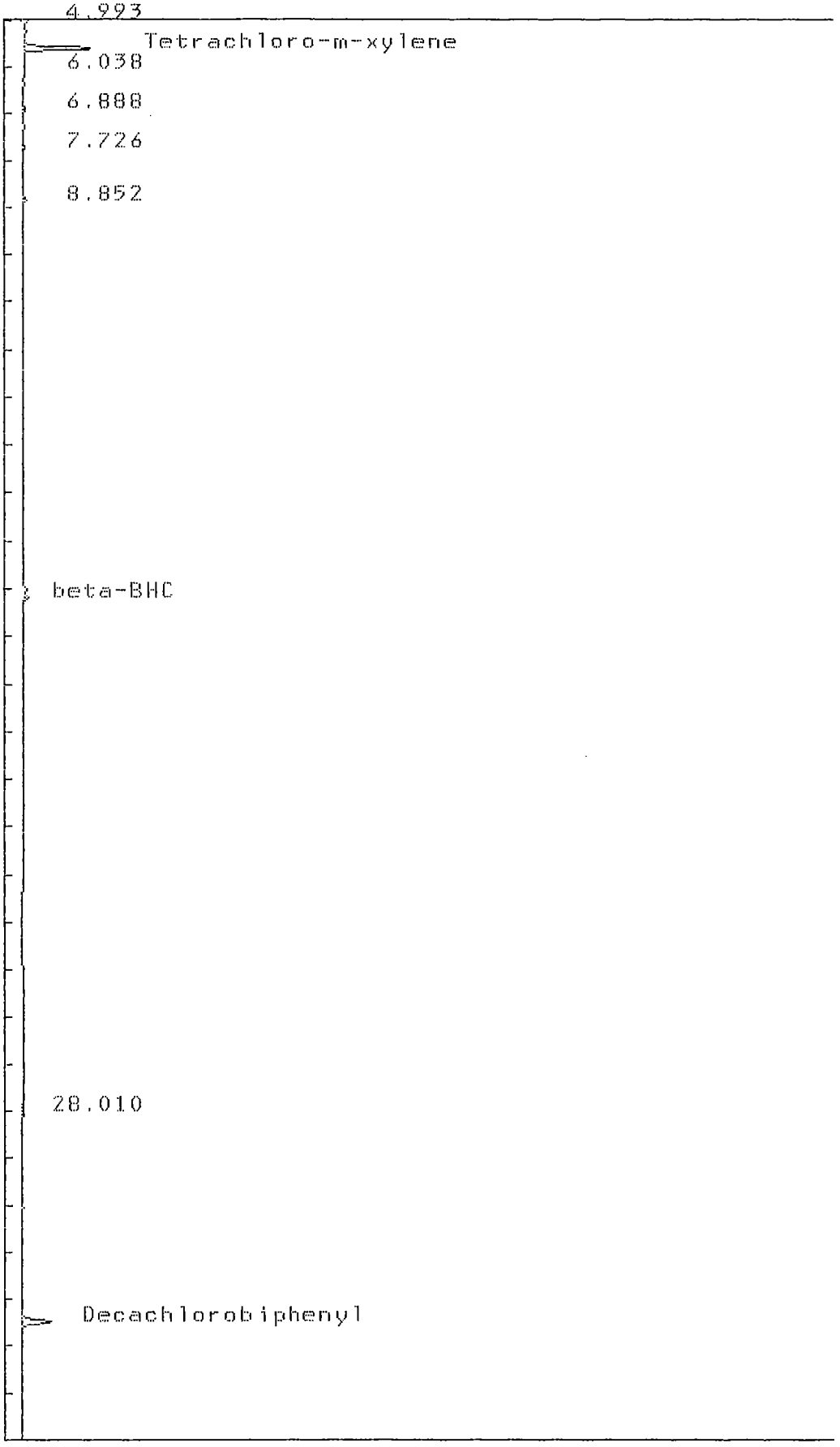
Peak Processor : Genie Multilevel : False
Instrument : XA Application : Loop
Calculation : ExternalSTD Quantitation : AreaUnits
Result File : /XA/XA518017.RES
Run Time : 35.00 Minutes Injected on Tue May 19, 1992 4:55:30 a

Run Status : RunStatusOK
EndOffBaseline

Pk#	RT	Area	Code	NG	NAME
1	3.55	22940	BS	5.297763E-03	
2	3.70	12302	BB	2.840954E-03	
3	3.86	107488	BB	2.482334E-02	
4	4.02	30220	BB	6.979037E-03	
5	4.15	126467	BB	2.920637E-02	
6	4.32	735338	BB	1.698188E-01	
7	4.56	188169	BB	4.345582E-02	
8	4.99	16426	BB	3.793422E-03	
9	5.58	434341	BB	2.298379E-02	Tetrachloro-m-xylene
10	6.04	8165	BB	1.885672E-03	
11	6.89	9831	BB	2.270268E-03	
12	7.73	11766	BB	2.717283E-03	
13	8.85	21113	BB	4.875778E-03	
14	17.18	21003	BB	2.475685E-03	beta-BHC
15	28.01	10096	BB	2.331546E-03	
16	32.46	227503	BB	1.672911E-02	Decachlorobiphenyl

Total Area : 1983168 Total NG : .342

COLUMN ID:HP5890XA RTx1701 .53MM
SampleName : EQK27 (60305) 1UL TMB
Method : /methods/XAIAIB514.MTH
Injected on :Tue May 19, 1992 4:55:30 am
Report File : /DATA/LOOP/FORMAT/GSHORT_AREA.FMT



COLUMN ID:HP5890XA RTx1701 .53MM
Sample Name : EQK27 (60305) 1UL TMB Report No : 24.00

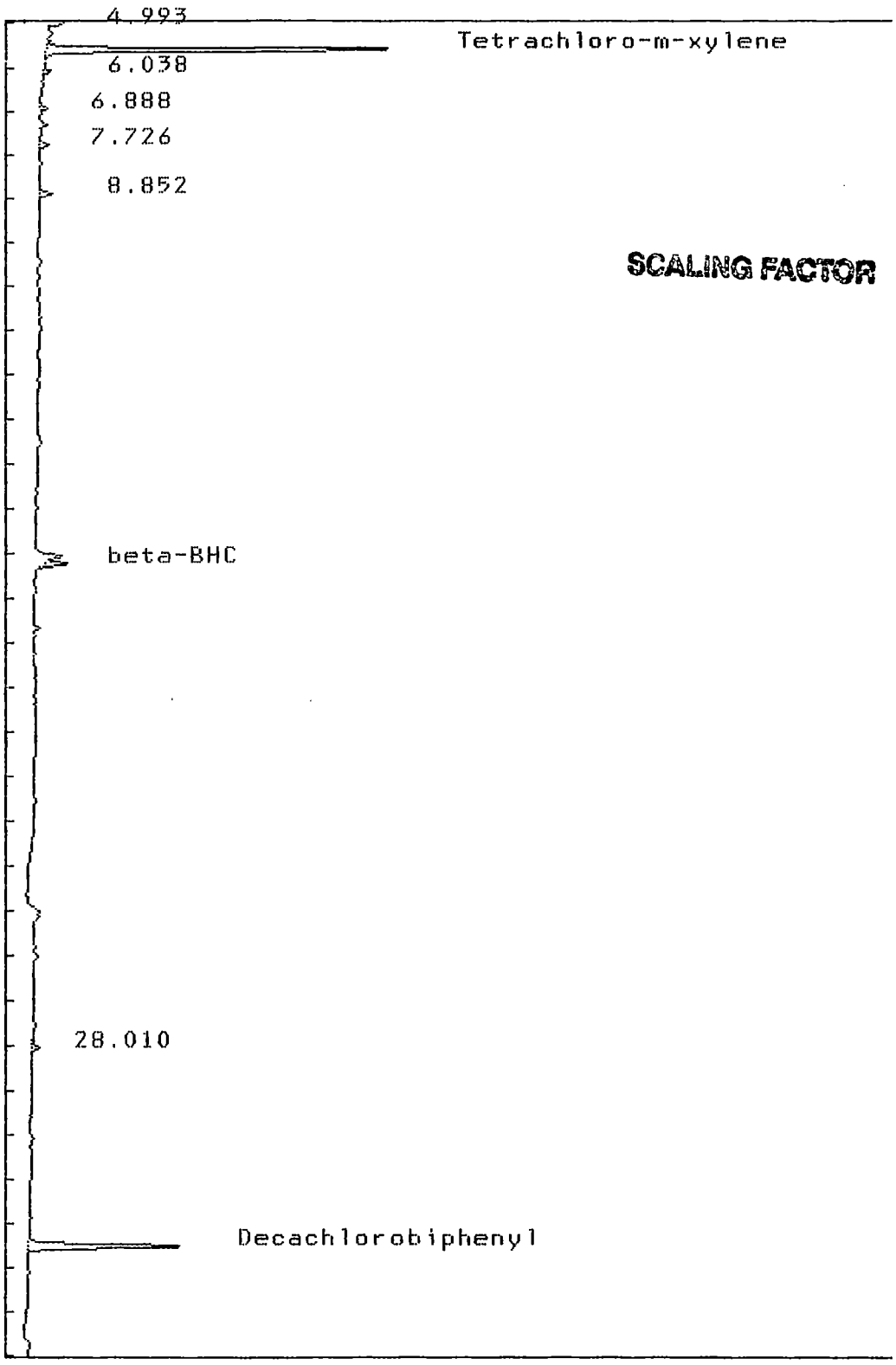
Peak Processor : Genie Multilevel : False
Instrument : XA Application : Loop
Calculation : ExternalSTD Quantitation : AreaUnits
Result File : /XA/XA518017.RES
Run Time : 35.00 Minutes Injected on Tue May 19, 1992 4:55:30 a

Run Status : RunStatusOK
EndOffBaseline

Pk#	RT	Area	Code	NG	NAME
1	3.55	22940	BS	5.297763E-03	
2	3.70	12302	BB	2.840954E-03	
3	3.86	107488	BB	2.482334E-02	
4	4.02	30220	BB	6.979037E-03	
5	4.15	126467	BB	2.920637E-02	
6	4.32	735338	BB	1.698188E-01	
7	4.56	188169	BB	4.345582E-02	
8	4.99	16426	BB	3.793422E-03	
9	5.58	434341	BB	2.298379E-02	Tetrachloro-m-xylene
10	6.04	8165	BB	1.885672E-03	
11	6.89	9831	BB	2.270268E-03	
12	7.73	11766	BB	2.717283E-03	
13	8.85	21113	BB	4.875778E-03	
14	17.18	21003	BB	2.475685E-03	beta-BHC
15	28.01	10096	BB	2.331546E-03	
16	32.46	227503	BB	1.672911E-02	Decachlorobiphenyl

Total Area : 1983168 Total NG : .342

COLUMN ID:HP5890XA RTx1701 .53MM
SampleName : EQK27 (60305) 1UL TMB
Method : /methods/XAIAIB514.MTH
Injected on :Tue May 19, 1992 4:55:30 am
Report File : /DATA/LOOP/FORMAT/GSHORT_AREA.FMT



SCALING FACTOR 5

COLUMN ID:HP5890XB RTx5 .53MM
Sample Name : EQK27 (60305) 1UL TMB Report No : 24.00

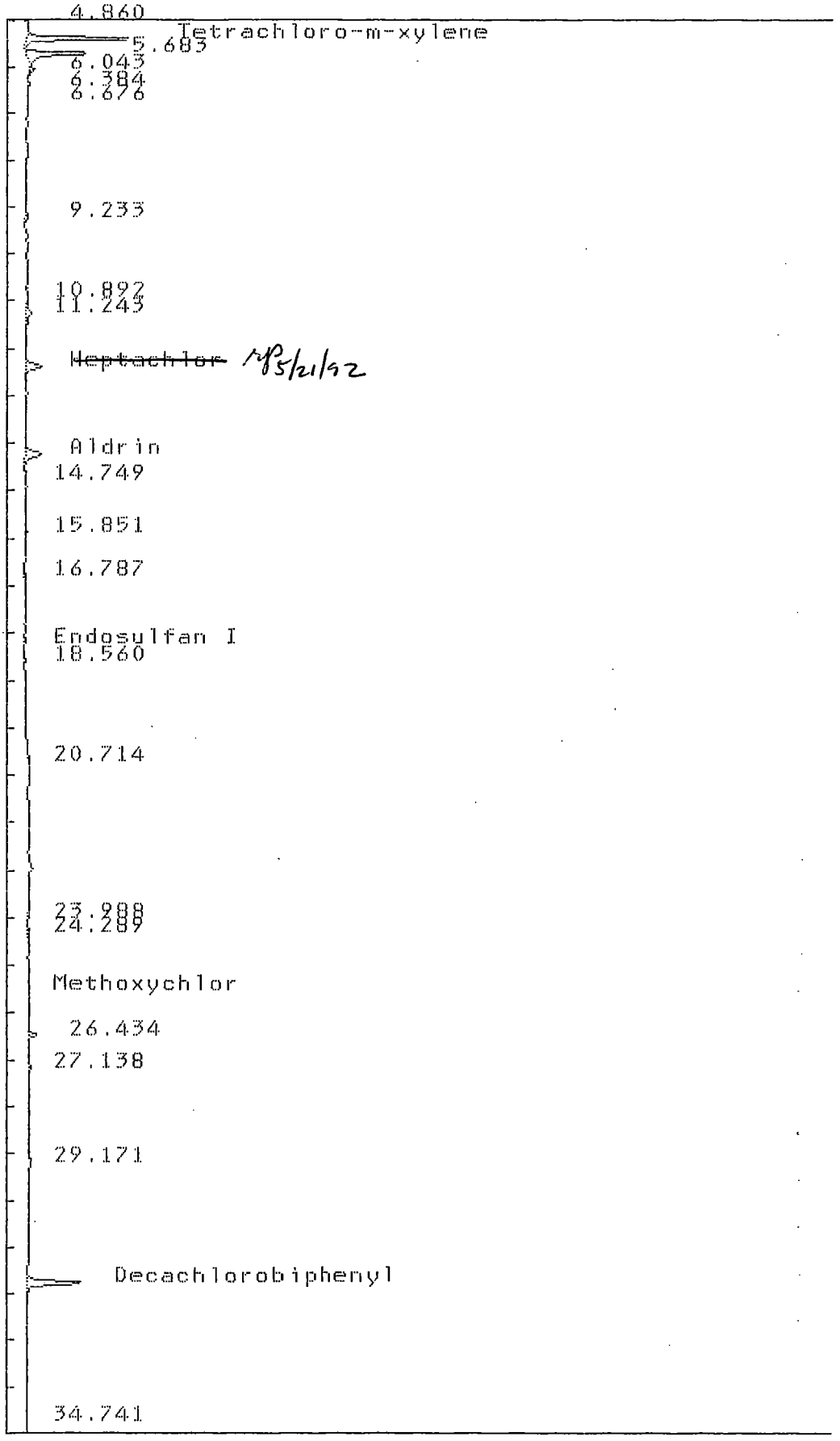
Peak Processor : Genie Multilevel : False
Instrument : XB Application : Loop
Calculation : ExternalSTD Quantitation : AreaUnits
Result File : /XB/XB518017.RES
Run Time : 35.02 Minutes Injected on Tue May 19, 1992 4:55:30 a

Run Status : EndOffBaseline
SignalOverload

Pk#	RT	Area	Code	NG	NAME
1	3.12	22765	BB	5.257448E-03	
2	3.29	174022	BB	4.018873E-02	
3	3.70	11557	BB	2.668957E-03	
4	4.07	8439	BB	1.948824E-03	
5	4.26	288022	BB	6.651586E-02	
6	4.56	39172	BB	9.046409E-03	
7	4.86	34534	BB	7.975383E-03	
8	5.36	655158	BB	4.630565E-02	Tetrachloro-m-xylene
9	5.68	572963	BB	1.323202E-01	
10	6.04	23264	BB	5.372497E-03	
11	6.38	10159	BB	2.346034E-03	
12	6.68	10058	BB	2.322745E-03	
13	9.23	39721	BB	9.173278E-03	
14	10.89	11504	BB	2.656761E-03	
15	11.24	58698	BB	1.355565E-02	
16	12.37	165068	BB	1.279205E-02	~~Heptachlor~~ MP 5/21/92
17	14.21	210374	BB	1.895133E-02	Aldrin
18	14.75	18797	BB	4.340907E-03	
19	15.85	10917	BB	2.521175E-03	
20	16.79	12835	BB	2.964134E-03	
21	18.19	17230	BB	1.436551E-03	Endosulfan I
22	18.56	15975	BB	3.689329E-03	
23	20.71	21344	BB	4.929269E-03	
24	23.99	10429	BB	2.408394E-03	
25	24.29	33084	BB	7.640420E-03	
26	25.49	12959	BB	1.295926E+04	Methoxychlor
27	26.43	61984	BB	1.431458E-02	
28	27.14	20914	BB	4.829927E-03	
29	29.17	15835	BB	3.656935E-03	
30	31.75	474437	BB	3.534596E-02	Decachlorobiphenyl
31	34.74	8458	BB	1.953379E-03	

Total Area : 3070677 Total NG : 12959.730

COLUMN ID:HP5890XB RTx5 .53MM
SampleName : EQK27 (60305) 1UL TMB
Method : /METHODS/XBIAIB514.MTH
Injected on :Tue May 19, 1992 4:55:30 am
Report File : /DATA/LOOP/FORMAT/GSHORT_AREA.FMT



COLUMN ID:HP5890XB RTx5 .53MM
Sample Name : EQK27 (60305) 1UL TMB Report No : 24.00

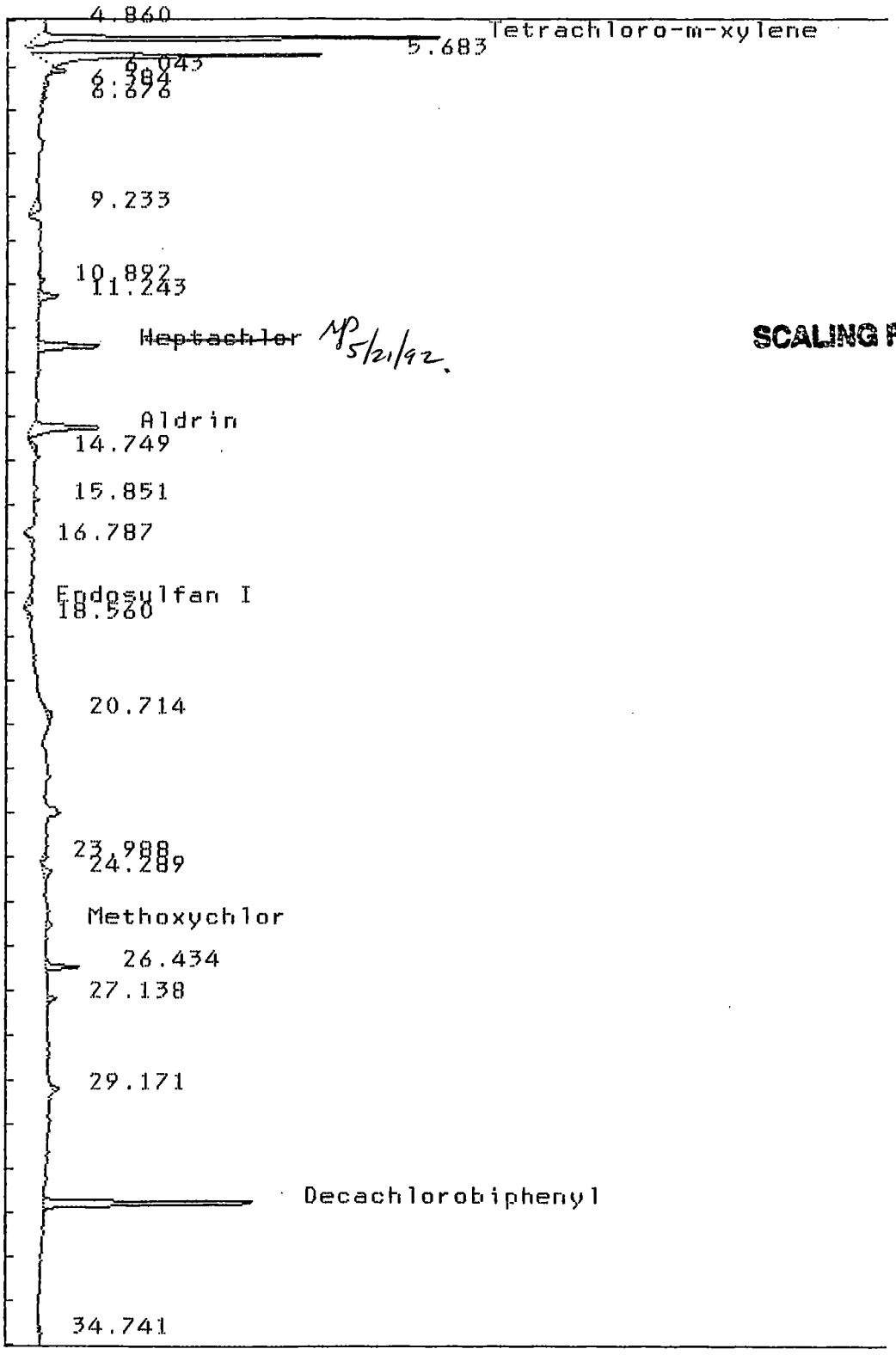
Peak Processor : Genie Multilevel : False
Instrument : XB Application : Loop
Calculation : ExternalSTD Quantitation : AreaUnits
Result File : /XB/XB518017.RES
Run Time : 35.02 Minutes Injected on Tue May 19, 1992 4:55:30 a

Run Status : EndOffBaseline
SignalOverload

Pk#	RT	Area	Code	NG	NAME
1	3.12	22765	BB	5.257448E-03	
2	3.29	174022	BB	4.018873E-02	
3	3.70	11557	BB	2.668957E-03	
4	4.07	8439	BB	1.948824E-03	
5	4.26	288022	BB	6.651586E-02	
6	4.56	39172	BB	9.046409E-03	
7	4.86	34534	BB	7.975383E-03	
8	5.36	655158	BB	4.630565E-02	Tetrachloro-m-xylene
9	5.68	572963	BB	1.323202E-01	
10	6.04	23264	BB	5.372497E-03	
11	6.38	10159	BB	2.346034E-03	
12	6.68	10058	BB	2.322745E-03	
13	9.23	39721	BB	9.173278E-03	
14	10.89	11504	BB	2.656761E-03	
15	11.24	58698	BB	1.355565E-02	
16	12.37	165068	BB	1.279205E-02	~~Heptachlor~~ MP 5/21/92
17	14.21	210374	BB	1.895133E-02	Aldrin
18	14.75	18797	BB	4.340907E-03	
19	15.85	10917	BB	2.521175E-03	
20	16.79	12835	BB	2.964134E-03	
21	18.19	17230	BB	1.436551E-03	Endosulfan I
22	18.56	15975	BB	3.689329E-03	
23	20.71	21344	BB	4.929269E-03	
24	23.99	10429	BB	2.408394E-03	
25	24.29	33084	BB	7.640420E-03	
26	25.49	12959	BB	1.295926E+04	Methoxychlor
27	26.43	61984	BB	1.431458E-02	
28	27.14	20914	BB	4.829927E-03	
29	29.17	15835	BB	3.656935E-03	
30	31.75	474437	BB	3.534596E-02	Decachlorobiphenyl
31	34.74	8458	BB	1.953379E-03	

Total Area : 3070677 Total NG : 12959.730

COLUMN ID:HP5890XB RTx5 .53MM
SampleName : EQK27 (60305) 1UL TMB
Method : /METHODS/XBIAIB514.MTH
Injected on :Tue May 19, 1992 4:55:30 am
Report File : /DATA/LOOP/FORMAT/GSHORT_AREA.FMT



SCALING FACTOR 4

COLUMN ID:HP5890XA RTx1701 .53MM
Sample Name : EQK28 (60306) 1UL TMB Report No : 25.00

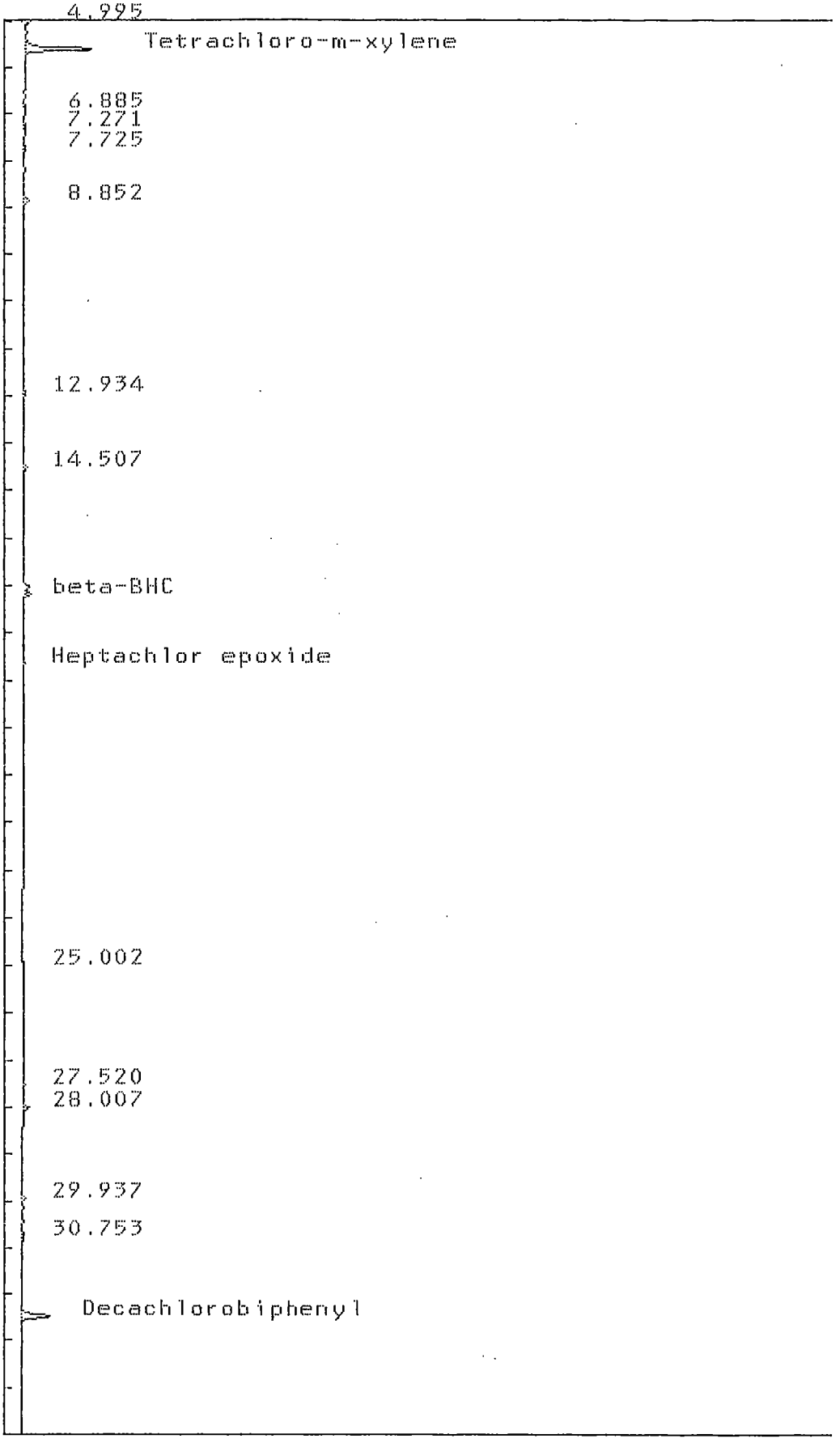
Peak Processor : Genie Multilevel : False
Instrument : XA Application : Loop
Calculation : ExternalSTD Quantitation : AreaUnits
Result File : /XA/XA518018.RES
Run Time : 35.00 Minutes Injected on Tue May 19, 1992 5:39:01 a

Run Status : RunStatusOK
EndOffBaseline

Pk#	RT	Area	Code	NG	NAME
1	3.70	13073	BB	3.019025E-03	
2	3.86	92374	BB	2.133293E-02	
3	4.03	23524	BB	5.432672E-03	
4	4.16	142965	BB	3.301630E-02	
5	4.32	702082	BB	1.621389E-01	
6	4.56	157860	BB	3.645619E-02	
7	4.99	22674	BB	5.236262E-03	
8	5.58	429760	BB	2.274141E-02	Tetrachloro-m-xylene
9	6.89	8012	BB	1.850378E-03	
10	7.27	9452	BB	2.182878E-03	
11	7.73	10162	BB	2.346712E-03	
12	8.85	29854	BB	6.894452E-03	
13	12.93	15272	BB	3.526883E-03	
14	14.51	24725	BB	5.710029E-03	
15	17.18	17783	BB	2.096187E-03	beta-BHC
16	18.63	15418	BB	1.077927E-03	Heptachlor epoxide
17	25.00	11029	BB	2.547027E-03	
18	27.52	13432	BB	3.102080E-03	
19	28.01	43603	BB	1.006969E-02	
20	29.94	12319	BB	2.844993E-03	
21	30.75	14022	BB	3.238348E-03	
22	32.46	201052	BB	1.478407E-02	Decachlorobiphenyl

Total Area : 2010449 Total NG : .352

COLUMN ID:HP5890XA RTx1701 .53MM
SampleName : EQK28 (60306) 1UL TMB
Method : /methods/XAIAIB514.MTH
Injected on :Tue May 19, 1992 5:39:01 am
Report File : /DATA/LOOP/FORMAT/GSHORT_AREA.FMT



COLUMN ID:HP5890XA RTx1701 .53MM
Sample Name : EQK28 (60306) 1UL TMB Report No : 25.00

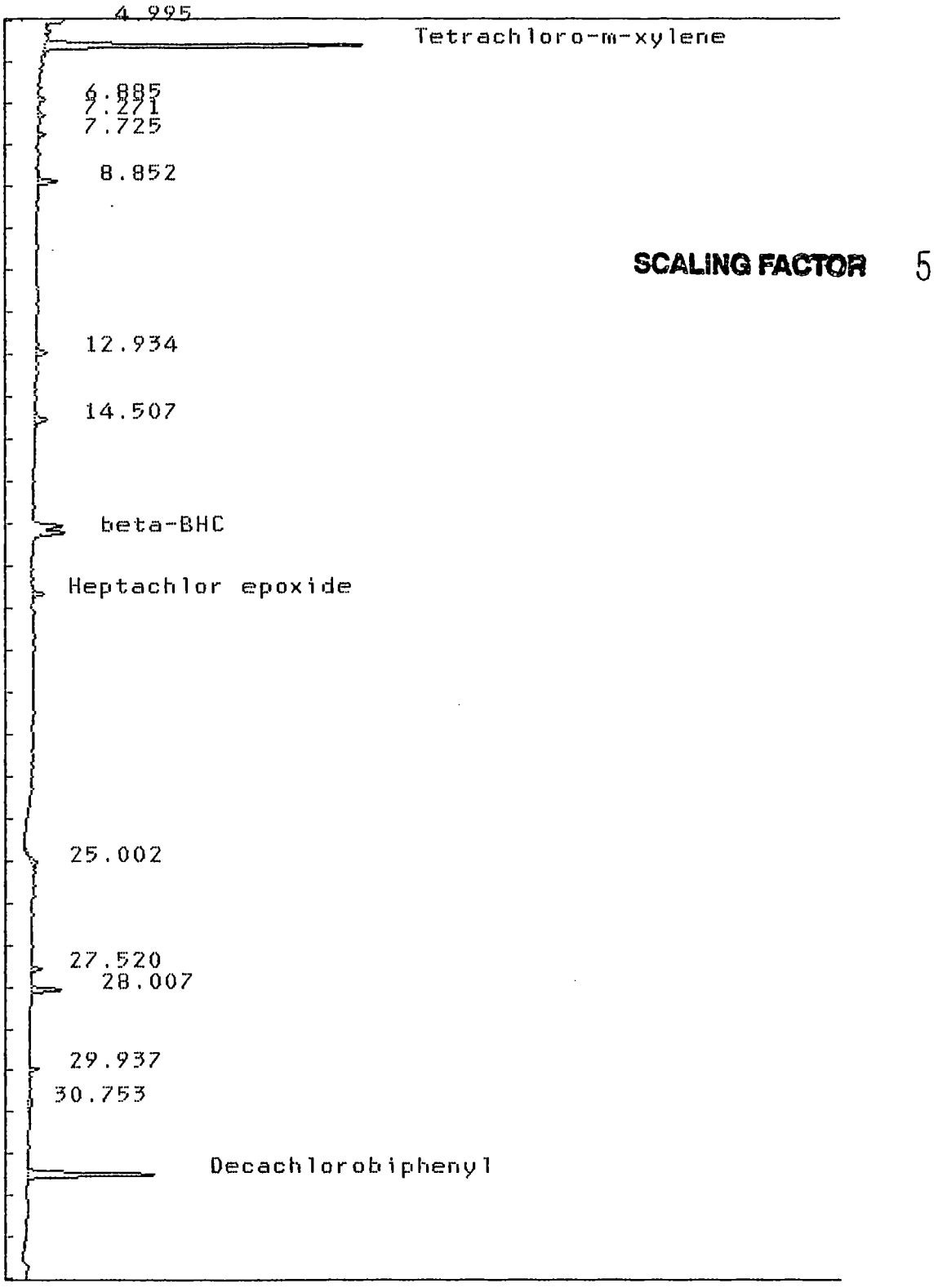
Peak Processor : Genie Multilevel : False
Instrument : XA Application : Loop
Calculation : ExternalSTD Quantitation : AreaUnits
Result File : /XA/XA518018.RES
Run Time : 35.00 Minutes Injected on Tue May 19, 1992 5:39:01 a

Run Status : RunStatusOK
EndOffBaseline

Pk#	RT	Area	Code	NG	NAME
1	3.70	13073	BB	3.019025E-03	
2	3.86	92374	BB	2.133293E-02	
3	4.03	23524	BB	5.432672E-03	
4	4.16	142965	BB	3.301630E-02	
5	4.32	702082	BB	1.621389E-01	
6	4.56	157860	BB	3.645619E-02	
7	4.99	22674	BB	5.236262E-03	
8	5.58	429760	BB	2.274141E-02	Tetrachloro-m-xylene
9	6.89	8012	BB	1.850378E-03	
10	7.27	9452	BB	2.182878E-03	
11	7.73	10162	BB	2.346712E-03	
12	8.85	29854	BB	6.894452E-03	
13	12.93	15272	BB	3.526883E-03	
14	14.51	24725	BB	5.710029E-03	
15	17.18	17783	BB	2.096187E-03	beta-BHC
16	18.63	15418	BB	1.077927E-03	Heptachlor epoxide
17	25.00	11029	BB	2.547027E-03	
18	27.52	13432	BB	3.102080E-03	
19	28.01	43603	BB	1.006969E-02	
20	29.94	12319	BB	2.844993E-03	
21	30.75	14022	BB	3.238348E-03	
22	32.46	201052	BB	1.478407E-02	Decachlorobiphenyl

Total Area : 2010449 Total NG : .352

COLUMN ID:HP5890XA RTx1701 .53MM
SampleName : EQK28 (60306) 1UL TMB
Method : /methods/XAIAIB514.MTH
Injected on :Tue May 19, 1992 5:39:01 am
Report File : /DATA/LOOP/FORMAT/GSHORT_AREA.FMT



COLUMN ID:HP5890XB RTx5 .53MM
Sample Name : EQK28 (60306) 1UL TMB Report No : 25.00

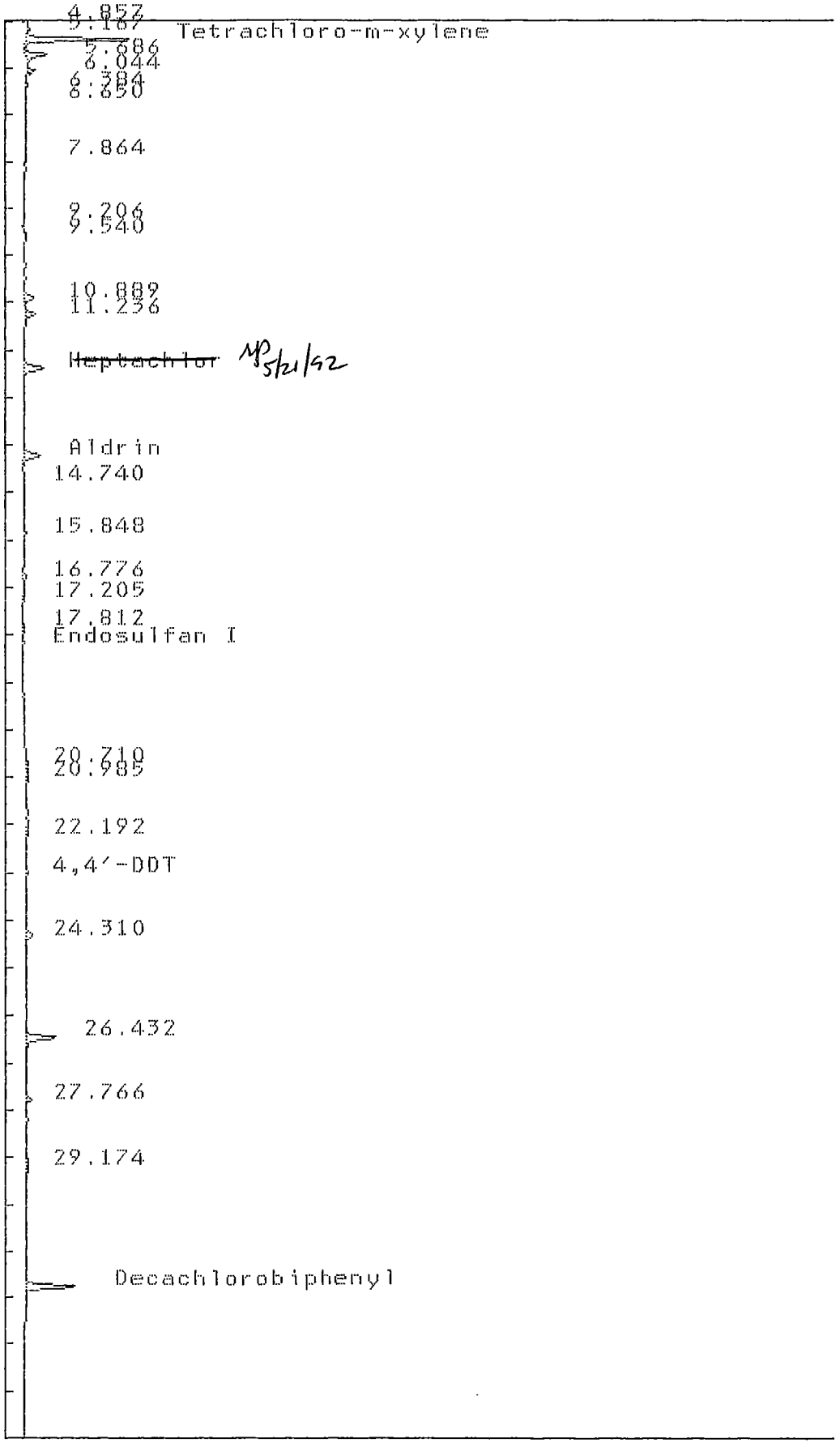
Peak Processor : Genie Multilevel : False
Instrument : XB Application : Loop
Calculation : ExternalSTD Quantitation : AreaUnits
Result File : /XB/XB518018.RES
Run Time : 35.00 Minutes Injected on Tue May 19, 1992 5:39:01 a

Run Status : EndOffBaseline
SignalOverload

Pk#	RT	Area	Code	NG	NAME
1	3.03	44889	BS	1.036661E-02	
2	3.27	278824	BB	6.439152E-02	
3	3.63	10830	BB	2.501039E-03	
4	3.70	12963	BB	2.993678E-03	
5	3.84	24393	BB	5.633310E-03	
6	4.26	268442	BB	6.199408E-02	
7	4.56	92569	BB	2.137789E-02	
8	4.86	36791	BB	8.496502E-03	
9	5.17	11761	BB	2.716021E-03	
10	5.36	633689	BB	4.478829E-02	Tetrachloro-m-xylene
11	5.69	206456	BB	4.767895E-02	
12	6.04	48826	BB	1.127577E-02	
13	6.38	12580	BB	2.905190E-03	
14	6.65	8569	BB	1.978914E-03	
15	7.86	12214	BB	2.820630E-03	
16	9.21	25745	BB	5.945532E-03	
17	9.54	8003	BB	1.848274E-03	
18	10.89	87525	BB	2.021303E-02	
19	11.24	86679	BB	2.001759E-02	
20	12.37	198590	BB	1.538990E-02	~~Heptachlor~~ MP 5/21/92
21	14.20	185110	BB	1.667548E-02	Aldrin
22	14.74	17599	BB	4.064283E-03	
23	15.85	17510	BB	4.043765E-03	
24	16.78	30910	BB	7.138471E-03	
25	17.21	13755	BB	3.176582E-03	
26	17.81	11368	BB	2.625232E-03	
27	18.16	9413	BB	7.848076E-04	Endosulfan I
28	20.71	27633	BB	6.381594E-03	
29	20.98	12936	BB	2.987348E-03	
30	22.19	8435	BB	1.947965E-03	
31	23.01	20385	BB	3.425271E-03	4,4'-DDT
32	24.31	71629	BB	1.654208E-02	
33	26.43	262534	BB	6.062972E-02	
34	27.77	30394	BB	7.019229E-03	
35	29.17	30078	BB	6.946233E-03	
36	31.74	427110	BB	3.182007E-02	Decachlorobiphenyl

Total Area : 3287137 Total NG : .532

COLUMN ID:HP5890XB RTx5 .53MM
SampleName : EQK28 (60306) 1UL TMB
Method : /METHODS/XBIAIB514.MTH
Injected on :Tue May 19, 1992 5:39:01 am
Report File : /DATA/LOOP/FORMAT/GSHORT_AREA.FMT



COLUMN ID:HP5890XB RTx5 .53MM
Sample Name : EQK28 (60306) 1UL TMB Report No : 25.00

Peak Processor : Genie Multilevel : False
Instrument : XB Application : Loop
Calculation : ExternalSTD Quantitation : AreaUnits
Result File : /XB/XB518018.RES
Run Time : 35.00 Minutes Injected on Tue May 19, 1992 5:39:01 a

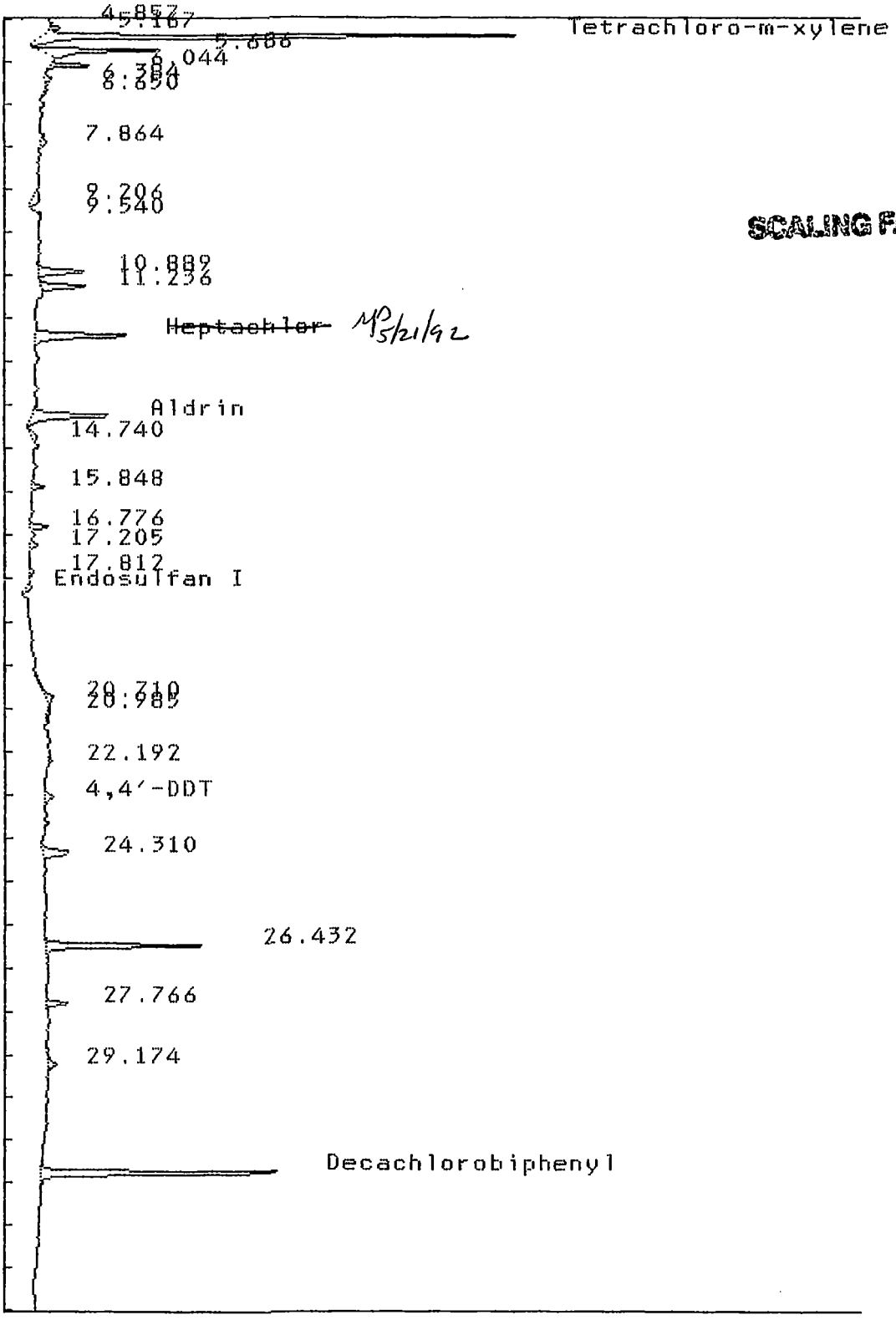
Run Status : EndOffBaseline
SignalOverload

Pk#	RT	Area	Code	NG	NAME
1	3.03	44889	BS	1.036661E-02	
2	3.27	278824	BB	6.439152E-02	
3	3.63	10830	BB	2.501039E-03	
4	3.70	12963	BB	2.993678E-03	
5	3.84	24393	BB	5.633310E-03	
6	4.26	268442	BB	6.199408E-02	
7	4.56	92569	BB	2.137789E-02	
8	4.86	36791	BB	8.496502E-03	
9	5.17	11761	BB	2.716021E-03	
10	5.36	633689	BB	4.478829E-02	Tetrachloro-m-xylene
11	5.69	206456	BB	4.767895E-02	
12	6.04	48826	BB	1.127577E-02	
13	6.38	12580	BB	2.905190E-03	
14	6.65	8569	BB	1.978914E-03	
15	7.86	12214	BB	2.820630E-03	
16	9.21	25745	BB	5.945532E-03	
17	9.54	8003	BB	1.848274E-03	
18	10.89	87525	BB	2.021303E-02	
19	11.24	86679	BB	2.001759E-02	
20	12.37	198590	BB	1.538990E-02	~~Heptachlor~~ MP 5/21/92
21	14.20	185110	BB	1.667548E-02	Aldrin
22	14.74	17599	BB	4.064283E-03	
23	15.85	17510	BB	4.043765E-03	
24	16.78	30910	BB	7.138471E-03	
25	17.21	13755	BB	3.176582E-03	
26	17.81	11368	BB	2.625232E-03	
27	18.16	9413	BB	7.848076E-04	Endosulfan I
28	20.71	27633	BB	6.381594E-03	
29	20.98	12936	BB	2.987348E-03	
30	22.19	8435	BB	1.947965E-03	
31	23.01	20385	BB	3.425271E-03	4,4'-DDT
32	24.31	71629	BB	1.654208E-02	
33	26.43	262534	BB	6.062972E-02	
34	27.77	30394	BB	7.019229E-03	
35	29.17	30078	BB	6.946233E-03	
36	31.74	427110	BB	3.182007E-02	Decachlorobiphenyl

Total Area : 3287137 Total NG : .532

COLUMN ID:HP5890XB RTx5 .53MM

SampleName : EQK28 (60306) 1UL TMB
Method : /METHODS/XBIAIB514.MTH
Injected on :Tue May 19, 1992 5:39:01 am
Report File : /DATA/LOOP/FORMAT/GSHORT_AREA.FMT



SCALING FACTOR 5

PESTICIDE/PCB STANDARDS DATA

6D

PESTICIDE INITIAL CALIBRATION OF SINGLE COMPONENT ANALYTES

Lab Name:Wadsworth/ALERT Labs Contract:68-DI-0085

Lab Code:WADS Case No.:19026 SAS No.: SDG No.:EQK01

Instrument ID:HP5890XA Level (x low): low 1 mid 4 high 16

GC Column:RTX1701 ID: 0.53 (mm) Date(s) Analyzed: 5/13/92 5/14/92

COMPOUND	RT OF STANDARDS LOW	MID	HIGH	MEAN RT	RT WINDOW FROM	TO
alpha-BHC	9.76	9.77	9.75	9.76	9.71	9.81
beta-BHC	17.16	17.17	17.17	17.17	17.12	17.22
delta-BHC	18.03	18.04	18.04	18.04	17.99	18.09
gamma-BHC(Lindane)	12.41	12.42	12.40	12.41	12.36	12.46
Heptachlor	13.65	13.66	13.65	13.65	13.60	13.70
Aldrin	15.07	15.08	15.08	15.08	15.03	15.13
Heptachlor epoxide	18.70	18.71	18.70	18.70	18.63	18.77
Endosulfan I	19.86	19.87	19.86	19.86	19.79	19.93
Dieldrin	21.50	21.50	21.49	21.50	21.43	21.57
4,4'-DDE	21.21	21.22	21.22	21.22	21.15	21.29
Endrin	22.34	22.35	22.34	22.34	22.27	22.41
Endosulfan II	24.43	24.44	24.43	24.43	24.36	24.50
4,4'-DDD	24.52	24.52	24.51	24.52	24.45	24.59
Endosulfan sulfate	27.39	27.39	27.39	27.39	27.32	27.46
4,4'-DDT	25.15	25.15	25.15	25.15	25.08	25.22
Methoxychlor	27.75	27.75	27.74	27.75	27.68	27.82
Endrin ketone	28.73	28.74	28.73	28.73	28.66	28.80
Endrin aldehyde	26.11	26.12	26.11	26.11	26.04	26.18
alpha-Chlordane	20.60	20.61	20.60	20.60	20.53	20.67
gamma-Chlordane	20.29	20.30	20.30	20.30	20.23	20.37
Tetrachloro-m-xylene	5.58	5.59	5.58	5.58	5.53	5.63
Decachlorobiphenyl	32.50	32.50	32.50	32.50	32.40	32.60

* Surrogate retention times are measured from Standard Mix A analyses.

Retention time windows are ± 0.05 minutes for all compounds that elute before Heptachlor epoxide, ±0.07 minutes for all other compounds, except ±0.10 minutes for Decachlorobiphenyl.

6D

PESTICIDE INITIAL CALIBRATION OF SINGLE COMPONENT ANALYTES

Lab Name:Wadsworth/ALERT Labs Contract:68-DI-0085

Lab Code:WADS Case No.:19026 SAS No.: SDG No.:EQK01

Instrument ID:HP5890XB Level (x low): low 1 mid 4 high 16

GC Column:RTX5 ID: 0.53 (mm) Date(s) Analyzed: 5/13/92 5/14/92

COMPOUND	RT OF STANDARDS LOW	MID	HIGH	MEAN RT	RT WINDOW FROM	TO
alpha-BHC	6.77	6.78	6.77	6.77	6.72	6.82
beta-BHC	8.02	8.02	8.02	8.02	7.97	8.07
delta-BHC	9.64	9.64	9.64	9.64	9.59	9.69
gamma-BHC(Lindane)	8.21	8.22	8.21	8.21	8.16	8.26
Heptachlor	12.26	12.27	12.25	12.26	12.21	12.31
Aldrin	14.19	14.19	14.19	14.19	14.14	14.24
Heptachlor epoxide	16.42	16.43	16.43	16.43	16.36	16.50
Endosulfan I	18.14	18.14	18.14	18.14	18.07	18.21
Dieldrin	19.39	19.39	19.38	19.39	19.32	19.46
4,4'-DDE	19.56	19.56	19.56	19.56	19.49	19.63
Endrin	20.35	20.35	20.34	20.35	20.28	20.42
Endosulfan II	20.84	20.84	20.83	20.84	20.77	20.91
4,4'-DDD	21.43	21.43	21.42	21.43	21.36	21.50
Endosulfan sulfate	22.72	22.73	22.72	22.72	22.65	22.79
4,4'-DDT	22.96	22.97	22.96	22.96	22.89	23.03
Methoxychlor	25.44	25.44	25.44	25.44	25.37	25.51
Endrin ketone	24.60	24.60	24.59	24.60	24.53	24.67
Endrin aldehyde	21.73	21.73	21.72	21.73	21.66	21.80
alpha-Chlordane	18.35	18.35	18.35	18.35	18.28	18.42
gamma-Chlordane	17.61	17.61	17.61	17.61	17.54	17.68
Tetrachloro-m-xylene	5.37	5.37	5.36	5.37	5.32	5.42
Decachlorobiphenyl	31.74	31.74	31.74	31.74	31.64	31.84

* Surrogate retention times are measured from Standard Mix A analyses.

Retention time windows are ± 0.05 minutes for all compounds that elute before Heptachlor epoxide, ±0.07 minutes for all other compounds, except ±0.10 minutes for Decachlorobiphenyl.

6E

PESTICIDE INITIAL CALIBRATION OF SINGLE COMPONENT ANALYTES

Lab Name:Wadsworth/ALERT Labs Contract:68-DI-0085

Lab Code:WADS Case No.:19026 SAS No.: SDG No.:EQK01

Instrument ID:HP5890XA Level (x low): low 1 mid 4 high 16

GC Column:RTX1701 ID: 0.53 (mm) Date(s) Analyzed: 5/13/92 5/14/92

COMPOUND	CALIBRATION FACTORS LOW	MID	HIGH	MEAN	%RSD
alpha-BHC	14140400	14608500	16191188	14980029	7.2
beta-BHC	12248400	9530750	7695313	9824821	23.3
delta-BHC	10658800	11402150	12555363	11538771	8.3
gamma-BHC(Lindane)	14298200	14777250	15584488	14886646	4.4
Heptachlor	18717000	17620650	16449850	17595833	6.4
Aldrin	14194000	14328100	14409325	14310475	0.8
Heptachlor epoxide	14862400	13796350	12905425	13854725	7.1
Endosulfan I	12572400	11938400	11262050	11924283	5.5
Dieldrin	11485400	11532425	11333669	11450498	0.9
4,4'-DDE	10960000	11397525	10813575	11057033	2.7
Endrin	10385100	10512575	10300875	10399517	1.0
Endosulfan II	10155600	10077025	9520763	9917796	3.5
4,4'-DDD	7367500	7509600	7730913	7536004	2.4
Endosulfan sulfate	7144200	7370975	7284744	7266640	1.6
4,4'-DDT	7633100	6928800	7442063	7334654	5.0
Methoxychlor	3883580	4129555	3834316	3949150	4.0
Endrin ketone	8665800	9141825	9034675	8947433	2.8
Endrin aldehyde	7570100	7519875	6861931	7317302	5.4
alpha-Chlordane	14171400	13449400	12489725	13370175	6.3
gamma-Chlordane	13471800	12779600	11969875	12740425	5.9
Tetrachloro-m-xylene	15662600	14135150	12450225	14082658	11.4
Decachlorobiphenyl	13832400	12587500	10672088	12363996	12.9

* Surrogate calibration factors are measured from Standard Mix A analyses.

%RSD must be less than or equal 20.0 % for all compounds except the surrogates, where %RSD must be less than or equal to 30.0%. Up to two target compounds, but not surrogates, may have %RSD greater than 20.0% but less than or equal to 30.0%.

6E

PESTICIDE INITIAL CALIBRATION OF SINGLE COMPONENT ANALYTES

Lab Name:Wadsworth/ALERT Labs Contract:68-DI-0085

Lab Code:WADS Case No.:19026 SAS No.: SDG No.:EQK01

Instrument ID:HP5890XB Level (x low): low 1 mid 4 high 16

GC Column:RTX5 ID: 0.53 (mm) Date(s) Analyzed: 5/13/92 5/14/92

COMPOUND	CALIBRATION FACTORS LOW	MID	HIGH	MEAN	%RSD
alpha-BHC	45382200	44864500	40726300	43657667	5.8
beta-BHC	26430200	24175250	19993150	23532867	13.9
delta-BHC	43641200	44897500	40755875	43098192	4.9
gamma-BHC(Lindane)	45573200	43899300	39161975	42878158	7.8
Heptachlor	40396400	36584900	31089750	36023683	13.0
Aldrin	49582800	41665750	34469525	41906025	18.0
Heptachlor epoxide	37134600	34717400	29805275	33885758	11.0
Endosulfan I	33829400	31017750	26288425	30378525	12.5
Dieldrin	31974800	29796250	25166263	28979104	12.0
4,4'-DDE	32612700	30336350	25753125	29567392	11.8
Endrin	26093100	24036150	19894494	23341248	13.5
Endosulfan II	28321500	27801325	22237138	26119988	12.9
4,4'-DDD	21950900	20861850	18077019	20296590	9.8
Endosulfan sulfate	24536100	22945675	19308231	22263335	12.0
4,4'-DDT	23356000	21543600	18842788	21247463	10.7
Methoxychlor	8511240	7130520	5803969	7148576	18.9
Endrin ketone	29210400	26873875	21752519	25945598	14.7
Endrin aldehyde	22432500	20229400	16218031	19626644	16.1
alpha-Chlordane	37939600	35574750	30396100	34636817	11.1
gamma-Chlordane	37485200	34984750	30494100	34321350	10.3
Tetrachloro-m-xylene	39703200	33338300	26837063	33292854	19.3
Decachlorobiphenyl	29442000	23915650	18796156	24051269	22.1

* Surrogate calibration factors are measured from Standard Mix A analyses.

%RSD must be less than or equal 20.0 % for all compounds except the surrogates, where %RSD must be less than or equal to 30.0%. Up to two target compounds, but not surrogates, may have %RSD greater than 20.0% but less than or equal to 30.0%.

6F

PESTICIDE INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name:Wadsworth/ALERT Labs Contract:68-DI-0085

Lab Code:WADS Case No.:19026 SAS No.: SDG No.:EQK01

Instrument ID:HP5890XA Date(s) Analyzed: 5/13/92 5/13/92

GC Column:RTX1701 ID: 0.53 (mm)

COMPOUND	AMOUNT (ng)	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR
Toxaphene	0.500	*1	21.23	21.16	21.30	65604
		*2	23.10	23.03	23.17	74336
		*3	25.04	24.97	25.11	83326
		4	25.42	25.35	25.49	281164
		5	27.12	27.05	27.19	134434
Aroclor-1016	0.100	*1	7.95	7.88	8.02	398020
		*2	10.33	10.26	10.40	799240
		*3	11.93	11.86	12.00	326760
		4	13.26	13.19	13.33	1585980
		5	14.04	13.97	14.11	669280
Aroclor-1221	0.200	*1	6.95	6.88	7.02	172820
		*2	7.67	7.60	7.74	127750
		*3	7.95	7.88	8.02	442965
		4	10.33	10.26	10.40	102715
		5	11.09	11.02	11.16	67295
Aroclor-1232	0.100	*1	7.94	7.87	8.01	434830
		*2	10.31	10.24	10.38	374980
		*3	13.25	13.18	13.32	759780
		4	14.03	13.96	14.10	298460
		5	16.62	16.55	16.69	276170
Aroclor-1242	0.100	*1	7.95	7.88	8.02	320960
		*2	10.32	10.25	10.39	654930
		*3	13.26	13.19	13.33	1307930
		4	14.04	13.97	14.11	546370
		5	16.62	16.55	16.69	523670
Aroclor-1248	0.100	*1	10.32	10.25	10.39	316650
		*2	13.25	13.18	13.32	856680
		*3	16.62	16.55	16.69	838380
		4	17.10	17.03	17.17	110170
		5	18.09	18.02	18.16	336790
Aroclor-1254	0.100	*1	19.53	19.46	19.60	443600
		*2	21.02	20.95	21.09	689170
		*3	21.51	21.44	21.58	721760
		4	22.56	22.49	22.63	691150
		5	24.58	24.51	24.65	879980
Aroclor-1260	0.100	*1	22.24	22.17	22.31	857840
		*2	23.21	23.14	23.28	1073500
		*3	24.58	24.51	24.65	1296040
		4	26.04	25.97	26.11	601590
		5	27.16	27.09	27.23	1267180

* Denotes required peaks

000892

6F

PESTICIDE INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name:Wadsworth/ALERT Labs Contract:68-DI-0085

Lab Code:WADS Case No.:19026 SAS No.: SDG No.:EQK01

Instrument ID:HP5890XB Date(s) Analyzed: 5/13/92 5/13/92

GC Column:RTX5 ID: 0.53 (mm)

COMPOUND	AMOUNT (ng)	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR
Toxaphene	0.500	*1	20.75	20.68	20.82	219158
		*2	21.32	21.25	21.39	79088
		*3	23.58	23.51	23.65	570062
		4	24.10	24.03	24.17	767348
		5	24.40	24.33	24.47	777784
Aroclor-1016	0.100	*1	9.73	9.66	9.80	1185850
		*2	12.10	12.03	12.17	1463540
		*3	12.57	12.50	12.64	829890
		4	13.61	13.54	13.68	779050
		5	13.85	13.78	13.92	508520
Aroclor-1221	0.200	*1	6.12	6.05	6.19	407225
		*2	6.51	6.44	6.58	246175
		*3	6.73	6.66	6.80	948310
		4	8.47	8.40	8.54	57400
		5	8.76	8.69	8.83	66965
Aroclor-1232	0.100	*1	6.73	6.66	6.80	986900
		*2	8.66	8.59	8.73	229910
		*3	9.73	9.66	9.80	592860
		4	11.46	11.39	11.53	1765370
		5	12.10	12.03	12.17	686710
Aroclor-1242	0.100	*1	9.73	9.66	9.80	1000680
		*2	12.10	12.03	12.17	1196030
		*3	12.57	12.50	12.64	668700
		4	13.61	13.54	13.68	611900
		5	16.81	16.74	16.88	724670
Aroclor-1248	0.100	*1	8.66	8.59	8.73	733030
		*2	9.73	9.66	9.80	452190
		*3	11.45	11.38	11.52	1978030
		4	13.61	13.54	13.68	1143360
		5	15.40	15.33	15.47	1509810
Aroclor-1254	0.100	*1	17.02	16.95	17.09	1480620
		*2	18.15	18.08	18.22	2203360
		*3	19.39	19.32	19.46	1165510
		4	19.84	19.77	19.91	1935460
		5	20.98	20.91	21.05	2386240
Aroclor-1260	0.100	*1	21.96	21.89	22.03	1665010
		*2	22.50	22.43	22.57	1472380
		*3	23.11	23.04	23.18	2818280
		4	23.79	23.72	23.86	1598840
		5	25.81	25.74	25.88	3184950

* Denotes required peaks

6G
PESTICIDE ANALYTE RESOLUTION SUMMARY

Lab Name:Wadsworth/ALERT Labs Contract:68-DI-0085

Lab Code:WADS Case No.:19026 SAS No.: SDG No.:EQK01

GC Column (1):RTX1701 ID: 0.53 (mm) Instrument ID (1):HP5890XA

EPA Sample No. (Standard 1):RESCA1 Lab Sample ID (1):P1244A1

Date Analyzed (1): 5/13/92 Time Analyzed (1):1637

	ANALYTE	RT	RESOLUTION (%)
01	Tetrachloro-m-xylene	5.59	100.0
02	Endosulfan I	19.87	100.0
03	gamma-Chlordane	20.31	100.0
04	4,4'-DDE	21.23	100.0
05	Dieldrin	21.50	100.0
06	Endosulfan sulfate	27.40	100.0
07	Methoxychlor	27.75	100.0
08	Endrin ketone	28.74	100.0
09	Decachlorobiphenyl	32.51	0.0

GC Column (2):RTX5 ID: 0.53 (mm) Instrument ID (2):HP5890XB

EPA Sample No. (Standard 2):RESCB1 Lab Sample ID (2):P1244B1

Date Analyzed (2): 5/13/92 Time Analyzed (2):1637

	ANALYTE	RT	RESOLUTION (%)
01	Tetrachloro-m-xylene	5.37	100.0
02	gamma-Chlordane	17.61	100.0
03	Endosulfan I	18.15	100.0
04	Dieldrin	19.39	91.0
05	4,4'-DDE	19.56	100.0
06	Endosulfan sulfate	22.73	100.0
07	Endrin ketone	24.60	100.0
08	Methoxychlor	25.45	100.0
09	Decachlorobiphenyl	31.75	0.0

Resolution of two adjacent peaks must be calculated as a percentage of the height of the smaller peak, and must be greater than or equal to 60.0%.

7D
PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name:Wadsworth/ALERT Labs Contract: 68-DI-0085

Lab Code:WADS Case No.:19026 SAS No.: SDG No.:EQK01

GC Column:RTX1701 ID: 0.53 (mm) Init. Calib. Date(s): 5/13/92 5/14/92

EPA Sample No.(PIBLK): Date Analyzed:

Lab Sample ID (PIBLK): Time Analyzed:

EPA Sample No.(PEM):PEMA1 Date Analyzed: 5/13/92

Lab Sample ID (PEM):P1273A1 Time Analyzed:1720

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT (ng)	NOM AMOUNT (ng)	%D
alpha-BHC	9.76	9.71	9.81	0.010	0.010	0.0
beta-BHC	17.18	17.12	17.22	0.012	0.010	20.0
gamma-BHC(Lindane)	12.42	12.36	12.46	0.009	0.010	10.0
Endrin	22.35	22.27	22.41	0.047	0.050	6.0
4,4'-DDT	25.16	25.08	25.22	0.110	0.100	10.0
Methoxychlor	27.75	27.68	27.82	0.250	0.250	0.0

4,4'-DDT % breakdown (1): 0.0 Endrin % breakdown (1): 3.0

Combined % breakdown (1): 3.0

QC LIMITS:

RPD of amounts in PEM must be less than or equal to 25.0%

4,4'-DDT breakdown must be less than or equal to 20.0%

Endrin breakdown must be less than or equal to 20.0%

Combined breakdown must be less than or equal to 30.0%

7D

PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name:Wadsworth/ALERT Labs Contract: 68-DI-0085

Lab Code:WADS Case No.:19026 SAS No.: SDG No.:EQK01

GC Column:RTX1701 ID: 0.53 (mm) Init. Calib. Date(s): 5/13/92 5/14/92

EPA Sample No.(PIBLK):PIBLKX9 Date Analyzed: 5/18/92

Lab Sample ID (PIBLK):P1112X9 Time Analyzed:1802

EPA Sample No.(PEM):PEMA7 Date Analyzed: 5/18/92

Lab Sample ID (PEM):P1273A7 Time Analyzed:1846

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT (ng)	NOM AMOUNT (ng)	%D
alpha-BHC	9.73	9.71	9.81	0.010	0.010	0.0
beta-BHC	17.13	17.12	17.22	0.009	0.010	10.0
gamma-BHC(Lindane)	12.38	12.36	12.46	0.009	0.010	10.0
Endrin	22.32	22.27	22.41	0.049	0.050	2.0
4,4'-DDT	25.13	25.08	25.22	0.110	0.100	10.0
Methoxychlor	27.72	27.68	27.82	0.240	0.250	4.0

4,4'-DDT % breakdown (1): 0.0 Endrin % breakdown (1): 1.8

Combined % breakdown (1): 1.8

QC LIMITS:

RPD of amounts in PEM must be less than or equal to 25.0%

4,4'-DDT breakdown must be less than or equal to 20.0%

Endrin breakdown must be less than or equal to 20.0%

Combined breakdown must be less than or equal to 30.0%

7D
PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name:Wadsworth/ALERT Labs Contract: 68-DI-0085

Lab Code:WADS Case No.:19026 SAS No.: SDG No.:EQK01

GC Column:RTX1701 ID: 0.53 (mm) Init. Calib. Date(s): 5/13/92 5/14/92

EPA Sample No.(PIBLK):PIBLKX11 Date Analyzed: 5/19/92

Lab Sample ID (PIBLK):P1112X11 Time Analyzed:1210

EPA Sample No.(PEM):PEMA8 Date Analyzed: 5/19/92

Lab Sample ID (PEM):P1273A8 Time Analyzed:1253

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT (ng)	NOM AMOUNT (ng)	%D
alpha-BHC	9.72	9.71	9.81	0.010	0.010	0.0
beta-BHC	17.12	17.12	17.22	0.009	0.010	10.0
gamma-BHC(Lindane)	12.36	12.36	12.46	0.010	0.010	0.0
Endrin	22.31	22.27	22.41	0.050	0.050	0.0
4,4'-DDT	25.12	25.08	25.22	0.110	0.100	10.0
Methoxychlor	27.71	27.68	27.82	0.260	0.250	4.0

4,4'-DDT % breakdown (1): 0.0 Endrin % breakdown (1): 1.9

Combined % breakdown (1): 1.9

QC LIMITS:

RPD of amounts in PEM must be less than or equal to 25.0%

4,4'-DDT breakdown must be less than or equal to 20.0%

Endrin breakdown must be less than or equal to 20.0%

Combined breakdown must be less than or equal to 30.0%

7D

PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name:Wadsworth/ALERT Labs Contract: 68-DI-0085

Lab Code:WADS Case No.:19026 SAS No.: SDG No.:EQK01

GC Column:RTX5 ID: 0.53 (mm) Init. Calib. Date(s): 5/13/92 5/14/92

EPA Sample No.(PIBLK): Date Analyzed:

Lab Sample ID (PIBLK): Time Analyzed:

EPA Sample No.(PEM):PEMB1 Date Analyzed: 5/13/92

Lab Sample ID (PEM):P1273B1 Time Analyzed:1720

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT (ng)	NOM AMOUNT (ng)	%D
alpha-BHC	6.78	6.72	6.82	0.010	0.010	0.0
beta-BHC	8.03	7.97	8.07	0.009	0.010	10.0
gamma-BHC(Lindane)	8.22	8.16	8.26	0.009	0.010	10.0
Endrin	20.35	20.28	20.42	0.042	0.050	16.0
4,4'-DDT	22.97	22.89	23.03	0.087	0.100	13.0
Methoxychlor	25.44	25.37	25.51	0.220	0.250	12.0

4,4'-DDT % breakdown (1): 0.9 Endrin % breakdown (1): 6.4

Combined % breakdown (1): 7.3

QC LIMITS:

RPD of amounts in PEM must be less than or equal to 25.0%

4,4'-DDT breakdown must be less than or equal to 20.0%

Endrin breakdown must be less than or equal to 20.0%

Combined breakdown must be less than or equal to 30.0%

7D
PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name:Wadsworth/ALERT Labs Contract: 68-DI-0085

Lab Code:WADS Case No.:19026 SAS No.: SDG No.:EQK01

GC Column:RTX5 ID: 0.53 (mm) Init. Calib. Date(s): 5/13/92 5/14/92

EPA Sample No.(PIBLK):PIBLKX9 Date Analyzed: 5/18/92

Lab Sample ID (PIBLK):P1112X9 Time Analyzed:1802

EPA Sample No.(PEM):PEMB7 Date Analyzed: 5/18/92

Lab Sample ID (PEM):P1273B7 Time Analyzed:1846

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT (ng)	NOM AMOUNT (ng)	%D
alpha-BHC	6.77	6.72	6.82	0.011	0.010	10.0
beta-BHC	8.02	7.97	8.07	0.010	0.010	0.0
gamma-BHC(Lindane)	8.21	8.16	8.26	0.010	0.010	0.0
Endrin	20.35	20.28	20.42	0.048	0.050	4.0
4,4'-DDT	22.96	22.89	23.03	0.094	0.100	6.0
Methoxychlor	25.44	25.37	25.51	0.220	0.250	12.0

4,4'-DDT % breakdown (1): 1.0 Endrin % breakdown (1): 6.0

Combined % breakdown (1): 7.0

QC LIMITS:

RPD of amounts in PEM must be less than or equal to 25.0%

4,4'-DDT breakdown must be less than or equal to 20.0%

Endrin breakdown must be less than or equal to 20.0%

Combined breakdown must be less than or equal to 30.0%

7D

PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name:Wadsworth/ALERT Labs Contract: 68-DI-0085

Lab Code:WADS Case No.:19026 SAS No.: SDG No.:EQK01

GC Column:RTX5 ID: 0.53 (mm) Init. Calib. Date(s): 5/13/92 5/14/92

EPA Sample No.(PIBLK):PIBLKX11 Date Analyzed: 5/19/92

Lab Sample ID (PIBLK):P1112X11 Time Analyzed:1210

EPA Sample No.(PEM):PEMB8 Date Analyzed: 5/19/92

Lab Sample ID (PEM):P1273B8 Time Analyzed:1253

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT (ng)	NOM AMOUNT (ng)	%D
alpha-BHC	6.77	6.72	6.82	0.011	0.010	10.0
beta-BHC	8.02	7.97	8.07	0.010	0.010	0.0
gamma-BHC(Lindane)	8.21	8.16	8.26	0.010	0.010	0.0
Endrin	20.34	20.28	20.42	0.054	0.050	8.0
4,4'-DDT	22.96	22.89	23.03	0.100	0.100	0.0
Methoxychlor	25.43	25.37	25.51	0.280	0.250	12.0

4,4'-DDT % breakdown (1): 1.0 Endrin % breakdown (1): 4.8

Combined % breakdown (1): 5.8

QC LIMITS:

RPD of amounts in PEM must be less than or equal to 25.0%

4,4'-DDT breakdown must be less than or equal to 20.0%

Endrin breakdown must be less than or equal to 20.0%

Combined breakdown must be less than or equal to 30.0%

7E
PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name:Wadsworth/ALERT Labs Contract: 68-DI-0085

Lab Code:WADS Case No.:19026 SAS No.: SDG No.:EQK01

GC Column:RTX1701 ID: 0.53 (mm) Init. Calib. Date(s): 5/13/92 5/14/92

EPA Sample No.(PIBLK):PIBLKX10 Date Analyzed: 5/19/92

Lab Sample ID (PIBLK):P1112X10 Time Analyzed:0244

EPA Sample No.(INDA):INDAMA5 Date Analyzed: 5/19/92

Lab Sample ID (INDA):P1239A5 Time Analyzed:0328

INDIVIDUAL MIX A COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT (ng)	NOM AMOUNT (ng)	%D
alpha-BHC	9.72	9.71	9.81	0.020	0.020	0.0
gamma-BHC(Lindane)	12.37	12.36	12.46	0.021	0.020	5.0
Heptachlor	13.62	13.60	13.70	0.020	0.020	0.0
Endosulfan I	19.83	19.79	19.93	0.020	0.020	0.0
Dieldrin	21.46	21.43	21.57	0.041	0.040	2.5
Endrin	22.31	22.27	22.41	0.041	0.040	2.5
4,4'-DDD	24.48	24.45	24.59	0.042	0.040	5.0
4,4'-DDT	25.12	25.08	25.22	0.041	0.040	2.5
Methoxychlor	27.71	27.68	27.82	0.210	0.200	5.0
Tetrachloro-m-xylene	5.57	5.53	5.63	0.021	0.020	5.0
Decachlorobiphenyl	32.46	32.40	32.60	0.041	0.040	2.5

EPA Sample No.(INDB):INDBMA5 Date Analyzed: 5/19/92

Lab Sample ID (INDB):P1242~~B5~~ A5 6/2/92 ASP Time Analyzed:0412

INDIVIDUAL MIX B COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT (ng)	NOM AMOUNT (ng)	%D
beta-BHC	17.13	17.12	17.22	0.018	0.020	10.0
delta-BHC	18.01	17.99	18.09	0.021	0.020	5.0
Aldrin	15.05	15.03	15.13	0.020	0.020	0.0
Heptachlor epoxide	18.68	18.63	18.77	0.021	0.020	5.0
4,4'-DDE	21.19	21.15	21.29	0.041	0.040	2.5
Endosulfan II	24.40	24.36	24.50	0.042	0.040	5.0
Endosulfan sulfate	27.35	27.32	27.46	0.042	0.040	5.0
Endrin ketone	28.70	28.66	28.80	0.042	0.040	5.0
Endrin aldehyde	26.08	26.04	26.18	0.042	0.040	5.0
alpha-Chlordane	20.58	20.53	20.67	0.021	0.020	5.0
gamma-Chlordane	20.27	20.23	20.37	0.021	0.020	5.0
Tetrachloro-m-xylene	5.57	5.53	5.63	0.022	0.020	10.0
Decachlorobiphenyl	32.46	32.40	32.60	0.041	0.040	2.5

QC LIMITS: RPD of amounts in Individual Mixes must be less than or equal to 25.0%.

000901

7E
PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name:Wadsworth/ALERT Labs Contract: 68-DI-0085

Lab Code:WADS Case No.:19026 SAS No.: SDG No.:EQK01

GC Column:RTX5 ID: 0.53 (mm) Init. Calib. Date(s): 5/13/92 5/14/92

EPA Sample No.(PIBLK):PIBLKX10 Date Analyzed: 5/19/92

Lab Sample ID (PIBLK):P1112X10 Time Analyzed:0244

EPA Sample No.(INDA):INDAMB5 Date Analyzed: 5/19/92

Lab Sample ID (INDA):P1239B5 Time Analyzed:0328

INDIVIDUAL MIX A COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT (ng)	NOM AMOUNT (ng)	%D
alpha-BHC	6.77	6.72	6.82	0.022	0.020	10.0
gamma-BHC(Lindane)	8.21	8.16	8.26	0.022	0.020	10.0
Heptachlor	12.26	12.21	12.31	0.022	0.020	10.0
Endosulfan I	18.14	18.07	18.21	0.022	0.020	10.0
Dieldrin	19.38	19.32	19.46	0.043	0.040	7.5
Endrin	20.34	20.28	20.42	0.045	0.040	12.5
4,4'-DDD	21.43	21.36	21.50	0.043	0.040	7.5
4,4'-DDT	22.96	22.89	23.03	0.045	0.040	12.5
Methoxychlor	25.44	25.37	25.51	0.220	0.200	10.0
Tetrachloro-m-xylene	5.37	5.32	5.42	0.022	0.020	10.0
Decachlorobiphenyl	31.74	31.64	31.84	0.042	0.040	5.0

EPA Sample No.(INDB):INDBMB5 Date Analyzed: 5/19/92

Lab Sample ID (INDB):P1242B5 Time Analyzed:0412

INDIVIDUAL MIX B COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT (ng)	NOM AMOUNT (ng)	%D
beta-BHC	8.03	7.97	8.07	0.021	0.020	5.0
delta-BHC	9.64	9.59	9.69	0.022	0.020	10.0
Aldrin	14.19	14.14	14.24	0.020	0.020	0.0
Heptachlor epoxide	16.43	16.36	16.50	0.022	0.020	10.0
4,4'-DDE	19.56	19.49	19.63	0.044	0.040	10.0
Endosulfan II	20.84	20.77	20.91	0.043	0.040	7.5
Endosulfan sulfate	22.72	22.65	22.79	0.045	0.040	12.5
Endrin ketone	24.59	24.53	24.67	0.043	0.040	7.5
Endrin aldehyde	21.73	21.66	21.80	0.044	0.040	10.0
alpha-Chlordane	18.35	18.28	18.42	0.022	0.020	10.0
gamma-Chlordane	17.61	17.54	17.68	0.022	0.020	10.0
Tetrachloro-m-xylene	5.37	5.32	5.42	0.023	0.020	15.0
Decachlorobiphenyl	31.74	31.64	31.84	0.042	0.040	5.0

QC LIMITS: RPD of amounts in Individual Mixes must be less than or equal to 25.0%.

000902

7E
PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name:Wadsworth/ALERT Labs Contract: 68-DI-0085

Lab Code:WADS Case No.:19026 SAS No.: SDG No.:EQK01

GC Column:RTX1701 ID: 0.53 (mm) Init. Calib. Date(s): 5/13/92 5/14/92

EPA Sample No.(PIBLK):PIBLKX12 Date Analyzed: 5/19/92

Lab Sample ID (PIBLK):P1112X12 Time Analyzed:1758

EPA Sample No.(INDA):INDAMA6 Date Analyzed: 5/19/92

Lab Sample ID (INDA):P1239A6 Time Analyzed:1841

INDIVIDUAL MIX A COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT (ng)	NOM AMOUNT (ng)	%D
alpha-BHC	9.72	9.71	9.81	0.021	0.020	5.0
gamma-BHC(Lindane)	12.36	12.36	12.46	0.020	0.020	0.0
Heptachlor	13.62	13.60	13.70	0.020	0.020	0.0
Endosulfan I	19.83	19.79	19.93	0.021	0.020	5.0
Dieldrin	21.46	21.43	21.57	0.041	0.040	2.5
Endrin	22.31	22.27	22.41	0.042	0.040	5.0
4,4'-DDD	24.48	24.45	24.59	0.042	0.040	5.0
4,4'-DDT	25.12	25.08	25.22	0.041	0.040	2.5
Methoxychlor	27.71	27.68	27.82	0.200	0.200	0.0
Tetrachloro-m-xylene	5.57	5.53	5.63	0.021	0.020	5.0
Decachlorobiphenyl	32.45	32.40	32.60	0.041	0.040	2.5

EPA Sample No.(INDB):INDBMA6 Date Analyzed: 5/19/92

Lab Sample ID (INDB):P1242A6 Time Analyzed:1925

INDIVIDUAL MIX B COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT (ng)	NOM AMOUNT (ng)	%D
beta-BHC	17.11	17.12	17.22	0.018	0.020	10.0
delta-BHC	17.99	17.99	18.09	0.021	0.020	5.0
Aldrin	15.04	15.03	15.13	0.021	0.020	5.0
Heptachlor epoxide	18.66	18.63	18.77	0.021	0.020	5.0
4,4'-DDE	21.18	21.15	21.29	0.041	0.040	2.5
Endosulfan II	24.39	24.36	24.50	0.042	0.040	5.0
Endosulfan sulfate	27.34	27.32	27.46	0.042	0.040	5.0
Endrin ketone	28.69	28.66	28.80	0.042	0.040	5.0
Endrin aldehyde	26.07	26.04	26.18	0.043	0.040	7.5
alpha-Chlordane	20.56	20.53	20.67	0.021	0.020	5.0
gamma-Chlordane	20.26	20.23	20.37	0.021	0.020	5.0
Tetrachloro-m-xylene	5.56	5.53	5.63	0.023	0.020	15.0
Decachlorobiphenyl	32.45	32.40	32.60	0.041	0.040	2.5

QC LIMITS: RPD of amounts in Individual Mixes must be less than or equal to 25.0%.

000903

7E
PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name:Wadsworth/ALERT Labs Contract: 68-DI-0085

Lab Code:WADS Case No.:19026 SAS No.: SDG No.:EQK01

GC Column:RTX5 ID: 0.53 (mm) Init. Calib. Date(s): 5/13/92 5/14/92

EPA Sample No.(PIBLK):PIBLKX12 Date Analyzed: 5/19/92

Lab Sample ID (PIBLK):P1112X12 Time Analyzed:1758

EPA Sample No.(INDA):INDAMB6 Date Analyzed: 5/19/92

Lab Sample ID (INDA):P1239B6 Time Analyzed:1841

INDIVIDUAL MIX A COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT (ng)	NOM AMOUNT (ng)	%D
alpha-BHC	6.77	6.72	6.82	0.022	0.020	10.0
gamma-BHC(Lindane)	8.21	8.16	8.26	0.022	0.020	10.0
Heptachlor	12.26	12.21	12.31	0.023	0.020	15.0
Endosulfan I	18.14	18.07	18.21	0.022	0.020	10.0
Dieldrin	19.38	19.32	19.46	0.044	0.040	10.0
Endrin	20.34	20.28	20.42	0.046	0.040	15.0
4,4'-DDD	21.43	21.36	21.50	0.045	0.040	12.5
4,4'-DDT	22.96	22.89	23.03	0.046	0.040	15.0
Methoxychlor	25.44	25.37	25.51	0.230	0.200	15.0
Tetrachloro-m-xylene	5.37	5.32	5.42	0.022	0.020	10.0
Decachlorobiphenyl	31.74	31.64	31.84	0.043	0.040	7.5

EPA Sample No.(INDB):INDBMB6 Date Analyzed: 5/19/92

Lab Sample ID (INDB):P1242B6 Time Analyzed:1925

INDIVIDUAL MIX B COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT (ng)	NOM AMOUNT (ng)	%D
beta-BHC	8.02	7.97	8.07	0.022	0.020	10.0
delta-BHC	9.63	9.59	9.69	0.023	0.020	15.0
Aldrin	14.18	14.14	14.24	0.021	0.020	5.0
Heptachlor epoxide	16.42	16.36	16.50	0.022	0.020	10.0
4,4'-DDE	19.55	19.49	19.63	0.045	0.040	12.5
Endosulfan II	20.83	20.77	20.91	0.047	0.040	17.5
Endosulfan sulfate	22.72	22.65	22.79	0.046	0.040	15.0
Endrin ketone	24.59	24.53	24.67	0.044	0.040	10.0
Endrin aldehyde	21.72	21.66	21.80	0.046	0.040	15.0
alpha-Chlordane	18.34	18.28	18.42	0.022	0.020	10.0
gamma-Chlordane	17.60	17.54	17.68	0.022	0.020	10.0
Tetrachloro-m-xylene	5.36	5.32	5.42	0.024	0.020	20.0
Decachlorobiphenyl	31.74	31.64	31.84	0.043	0.040	7.5

QC LIMITS: RPD of amounts in Individual Mixes must be less than or equal to 25.0%.

000904

8D
PESTICIDE ANALYTICAL SEQUENCE

Lab Name:Wadsworth/ALERT Labs Contract: 68-DI-0085

Lab Code:WADS Case No.:19026 SAS No.: SDG No.: EQK01

GC Column:RTX1701 ID: 0.53 (mm) Init. Calib. Date(s): 5/13/92 5/14/92

Instrument ID: HP5890XA

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES, AND STANDARDS IS GIVEN BELOW:

MEAN SURROGATE RT FROM INITIAL CALIBRATION
TCX: 5.58 DCB: 32.50

	EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	TCX RT #	DCB RT #
01	RESCA1	P1244A1	5/13/92	1637	5.59	32.51
02	PEMA1	P1273A1	5/13/92	1720	5.59	32.51
03	AR1660A1	P1246A1	5/13/92	1804	5.59	32.51
04	AR1221A1	P1245A1	5/13/92	1847	5.59	32.50
05	AR1232A1	P1247A1	5/13/92	1929	5.58	32.50
06	AR1242A1	P1248A1	5/13/92	2013	5.59	32.50
07	AR1248A1	P1249A1	5/13/92	2056	5.59	32.50
08	AR1254A1	P1250A1	5/13/92	2140	5.59	32.50
09	TOXAPHA1	P1251A1	5/13/92	2223	5.59	32.50
10	INDALA1	P1238A1	5/13/92	2307	5.58	32.50
11	INDBLA1	P1241A1	5/13/92	2349	5.58	32.50
12	INDAMA1	P1239A1	5/14/92	0032	5.59	32.50
13	INDBMA1	P1242A1	5/14/92	0116	5.59	32.50
14	INDAHA1	P1240A1	5/14/92	0159	5.58	32.50
15	INDBHA1	P1243A1	5/14/92	0243	5.59	32.49
16	PIBLKX9	P1112X9	5/18/92	1802	5.58	32.47
17	PEMA7	P1273A7	5/18/92	1846	5.57	32.46
18	ZZZZZ	ZZZZZ	5/18/92	1929	5.58	32.46
19	ZZZZZ	ZZZZZ	5/18/92	2013	5.58	32.46
20	ZZZZZ	ZZZZZ	5/18/92	2056	5.58	32.46
21	ZZZZZ	ZZZZZ	5/18/92	2140	5.57	32.46
22	PBLKI	90430	5/18/92	2223	5.58	32.46
23	EQK26	60304	5/18/92	2307	5.58	32.47
24	EQK26MS	60304MS	5/18/92	2350	5.58	32.47
25	EQK26MSD	60304MSD	5/19/92	0034	5.58	32.46
26	ZZZZZ	ZZZZZ	5/19/92	0117	5.59	32.50
27	ZZZZZ	ZZZZZ	5/19/92	0201	5.59	32.50
28	PIBLKX10	P1112X10	5/19/92	0244	5.57	32.47
29	INDAMA5	P1239A5	5/19/92	0328	5.57	32.46
30	INDBMA5	P1242B5	5/19/92	0412	5.57	32.46
31	EQK27	60305	5/19/92	0455	5.58	32.46
32	EQK28	60306	5/19/92	0539	5.58	32.46

QC LIMITS
TCX = Tetrachloro-m-xylene (± 0.05 MINUTES)
DCB = Decachlorobiphenyl (± 0.10 MINUTES)

Column used to flag retention time values with an asterisk.
* Values outside of QC limits.

000905

8D
PESTICIDE ANALYTICAL SEQUENCE

Lab Name:Wadsworth/ALERT Labs Contract: 68-DI-0085

Lab Code:WADS Case No.:19026 SAS No.: SDG No.: EQK01

GC Column:RTX1701 ID: 0.53 (mm) Init. Calib. Date(s): 5/13/92 5/14/92

Instrument ID: HP5890XA

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES, AND STANDARDS IS GIVEN BELOW:

MEAN SURROGATE RT FROM INITIAL CALIBRATION
TCX: 5.58 DCB: 32.50

	EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	TCX RT #	DCB RT #
01	GPCCK92504PC	GPCCK92504PC	5/19/92	0622	5.59	32.50
02	GPCCK92504PE	GPCCK92504PE	5/19/92	0706	5.58	32.50
03	PBLKII	92504	5/19/92	0749	5.57	32.46
04	EQK01DL	60014DL	5/19/92	0832	5.57	32.43
05	EQK01	60014	5/19/92	0916	5.57	32.40
06	EQK08	60016	5/19/92	0959	5.57	32.46
07	ZZZZZ	ZZZZZ	5/19/92	1043	5.59	32.43
08	ZZZZZ	ZZZZZ	5/19/92	1126	5.59	32.50
09	PIBLKX11	P1112X11	5/19/92	1210	5.57	32.46
10	PEMA8	P1273A8	5/19/92	1253	5.57	32.45
11	EQK09	60017	5/19/92	1337	5.57	32.46
12	EQK02	60020	5/19/92	1420	5.57	32.46
13	EQK02MS	60020MS	5/19/92	1504	5.57	32.46
14	EQK02MSD	60020MSD	5/19/92	1547	5.57	32.45
15	ZZZZZ	ZZZZZ	5/19/92	1631	5.59	32.75 *
16	ZZZZZ	ZZZZZ	5/19/92	1714	5.59	32.50
17	PIBLKX12	P1112X12	5/19/92	1758	5.57	32.46
18	INDAMA6	P1239A6	5/19/92	1841	5.57	32.45
19	INDBMA6	P1242A6	5/19/92	1925	5.56	32.45
20						
21						
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23						
24						
25						
26						
27						
28						
29						
30						
31						
32						

QC LIMITS
TCX = Tetrachloro-m-xylene (± 0.05 MINUTES)
DCB = Decachlorobiphenyl (± 0.10 MINUTES)

Column used to flag retention time values with an asterisk.
* Values outside of QC limits.

000906

8D
PESTICIDE ANALYTICAL SEQUENCE

Lab Name:Wadsworth/ALERT Labs Contract: 68-DI-0085

Lab Code:WADS Case No.:19026 SAS No.: SDG No.: EQK01

GC Column:RTX5 ID: 0.53 (mm) Init. Calib. Date(s): 5/13/92 5/14/92

Instrument ID: HP5890XB

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES, AND STANDARDS IS GIVEN BELOW:

MEAN SURROGATE RT FROM INITIAL CALIBRATION
TCX: 5.37 DCB: 31.74

	EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	TCX RT #	DCB RT #
01	RESCB1	P1244B1	5/13/92	1637	5.37	31.75
02	PEMB1	P1273B1	5/13/92	1720	5.37	31.75
03	AR1660B1	P1246B1	5/13/92	1804	5.37	31.75
04	AR1221B1	P1245B1	5/13/92	1847	5.37	31.75
05	AR1232B1	P1247B1	5/13/92	1929	5.37	31.75
06	AR1242B1	P1248B1	5/13/92	2013	5.37	31.75
07	AR1248B1	P1249B1	5/13/92	2056	5.37	31.75
08	AR1254B1	P1250B1	5/13/92	2140	5.37	31.74
09	TOXAPHB1	P1251B1	5/13/92	2223	5.37	31.74
10	INDALB1	P1238B1	5/13/92	2307	5.37	31.74
11	INDBLB1	P1241B1	5/13/92	2349	5.37	31.75
12	INDAMB1	P1239B1	5/14/92	0032	5.37	31.74
13	INDBMB1	P1242B1	5/14/92	0116	5.37	31.75
14	INDAHB1	P1240B1	5/14/92	0159	5.36	31.74
15	INDBHB1	P1243B1	5/14/92	0243	5.37	31.74
16	PIBLKX9	P1112X9	5/18/92	1802	5.37	31.75
17	PEMB7	P1273B7	5/18/92	1846	5.37	31.74
18	ZZZZZ	ZZZZZ	5/18/92	1929	5.36	31.74
19	ZZZZZ	ZZZZZ	5/18/92	2013	5.37	31.74
20	ZZZZZ	ZZZZZ	5/18/92	2056	5.36	31.74
21	ZZZZZ	ZZZZZ	5/18/92	2140	5.36	31.74
22	PBLKI	90430	5/18/92	2223	5.37	31.74
23	EQK26	60304	5/18/92	2307	5.37	31.75
24	EQK26MS	60304MS	5/18/92	2350	5.37	31.75
25	EQK26MSD	60304MSD	5/19/92	0034	5.37	31.74
26	ZZZZZ	ZZZZZ	5/19/92	0117	5.37	31.74
27	ZZZZZ	ZZZZZ	5/19/92	0201	5.37	31.74
28	PIBLKX10	P1112X10	5/19/92	0244	5.36	31.75
29	INDAMB5	P1239B5	5/19/92	0328	5.37	31.74
30	INDBMB5	P1242B5	5/19/92	0412	5.37	31.74
31	EQK27	60305	5/19/92	0455	5.36	31.75
32	EQK28	60306	5/19/92	0539	5.36	31.74

QC LIMITS
TCX = Tetrachloro-m-xylene (± 0.05 MINUTES)
DCB = Decachlorobiphenyl (± 0.10 MINUTES)

Column used to flag retention time values with an asterisk.
* Values outside of QC limits.

000907

8D
PESTICIDE ANALYTICAL SEQUENCE

Lab Name:Wadsworth/ALERT Labs Contract: 68-DI-0085

Lab Code:WADS Case No.:19026 SAS No.: SDG No.: EQK01

GC Column:RTX5 ID: 0.53 (mm) Init. Calib. Date(s): 5/13/92 5/14/92

Instrument ID: HP5890XB

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES, AND STANDARDS IS GIVEN BELOW:

MEAN SURROGATE RT FROM INITIAL CALIBRATION
TCX: 5.37 DCB: 31.74

	EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	TCX RT #	DCB RT #
01	GPCCK92504PC	GPCCK92504PC	5/19/92	0622	5.36	31.74
02	GPCCK92504PE	GPCCK92504PE	5/19/92	0706	5.37	31.74
03	PBLKII	92504	5/19/92	0749	5.36	31.74
04	EQK01DL	60014DL	5/19/92	0832	5.36	31.74
05	EQK01	60014	5/19/92	0916	5.36	31.74
06	EQK08	60016	5/19/92	0959	5.36	31.74
07	ZZZZZ	ZZZZZ	5/19/92	1043	5.37	31.76
08	ZZZZZ	ZZZZZ	5/19/92	1126	5.37	31.67
09	PIBLKX11	P1112X11	5/19/92	1210	5.36	31.74
10	PEMB8	P1273B8	5/19/92	1253	5.36	31.74
11	EQK09	60017	5/19/92	1337	5.36	31.74
12	EQK02	60020	5/19/92	1420	5.36	31.74
13	EQK02MS	60020MS	5/19/92	1504	5.36	31.74
14	EQK02MSD	60020MSD	5/19/92	1547	5.36	31.74
15	ZZZZZ	ZZZZZ	5/19/92	1631	5.37	31.46 *
16	ZZZZZ	ZZZZZ	5/19/92	1714	5.37	31.74
17	PIBLKX12	P1112X12	5/19/92	1758	5.37	31.74
18	INDAMB6	P1239B6	5/19/92	1841	5.37	31.74
19	INDBMB6	P1242B6	5/19/92	1925	5.36	31.74
20						
21						
22						
23						
24						
25						
26						
27						
28						
29						
30						
31						
32						

QC LIMITS
TCX = Tetrachloro-m-xylene (± 0.05 MINUTES)
DCB = Decachlorobiphenyl (± 0.10 MINUTES)

Column used to flag retention time values with an asterisk.
* Values outside of QC limits.

000908

9A

PESTICIDE FLORISIL CARTRIDGE CHECK

Lab Name:Wadsworth/ALERT Labs Contract:68-DI-0085

Lab Code:WADS Case No.:19026 SAS No.: SDG No.:EQK01

Florisil Cartridge Lot Number:942824 Date of Analysis:12/18/91

GC Column(1):RTX1701 ID: 0.53(mm) GC Column(2):RTX5 ID: 0.53(mm)

COMPOUND	SPIKE ADDED (ng)	SPIKE RECOVERED (ng)	% REC #	QC LIMITS
alpha-BHC	10.00	9.40	94	80-120
gamma-BHC(Lindane)	10.00	9.90	99	80-120
Heptachlor	10.00	11.50	115	80-120
Endosulfan I	10.00	10.30	103	80-120
Dieldrin	20.00	20.70	104	80-120
Endrin	20.00	21.40	107	80-120
4,4'-DDD	20.00	20.00	100	80-120
4,4'-DDT	20.00	18.60	93	80-120
Methoxychlor	100.00	117.00	117	80-120
Tetrachloro-m-xylene	10.00	10.30	103	80-120
Decachlorobiphenyl	20.00	22.90	115	80-120

Column to be used to flag recovery with an asterisk.
* Values outside of QC limits.

THIS CARTRIDGE LOT APPLIES TO THE FOLLOWING SAMPLES, BLANKS, MS, AND MSD:

	EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED 1	DATE ANALYZED 2
01	EQK01	60014	5/19/92	5/19/92
02	EQK01DL	60014DL	5/19/92	5/19/92
03	EQK02	60020	5/19/92	5/19/92
04	EQK02MS	60020MS	5/19/92	5/19/92
05	EQK02MSD	60020MSD	5/19/92	5/19/92
06	EQK08	60016	5/19/92	5/19/92
07	EQK09	60017	5/19/92	5/19/92
08	EQK26	60304	5/18/92	5/18/92
09	EQK26MS	60304MS	5/18/92	5/18/92
10	EQK26MSD	60304MSD	5/19/92	5/19/92
11	EQK27	60305	5/19/92	5/19/92
12	EQK28	60306	5/19/92	5/19/92
13	PBLKI	90430	5/18/92	5/18/92
14	PBLKII	92504	5/19/92	5/19/92
15				
16				
17				
18				
19				
20				
21				
22				
23				

000909

RL 6/2/92

FORM IX PEST-1 3/90

9B
PESTICIDE GPC CALIBRATION

Lab Name:Wadsworth/ALERT Labs Contract:68-DI-0085

Lab Code:WADS Case No.:19026 SAS No.: SDG No.:EQK01

GPC Column: 1004 Calibration Date: 5/19/82

GC Column(1):RTX1701 ID: 0.53(mm) GC Column(2):RTX5 ID: 0.53(mm)

COMPOUND	SPIKE ADDED (ng)	SPIKE RECOVERED (ng)	% REC #	QC LIMITS REC.
gamma-BHC(Lindane)	50.00	57.03	114 *	80-110
Heptachlor	50.00	55.33	111 *	80-110
Aldrin	50.00	51.28	103	80-110
Dieldrin	100.00	107.48	108	80-110
Endrin	100.00	109.97	110	80-110
4,4'-DDT	100.00	118.35	118 *	80-110

Column to be used to flag recovery with an asterisk.
* Values outside of QC limits.

THIS GPC CALIBRATION APPLIES TO THE FOLLOWING SAMPLES, BLANKS, MS, AND MSD:

	EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED 1	DATE ANALYZED 2
01	EQK01	60014	5/19/92	5/19/92
02	EQK01DL	60014DL	5/19/92	5/19/92
03	EQK02	60020	5/19/92	5/19/92
04	EQK02MS	60020MS	5/19/92	5/19/92
05	EQK02MSD	60020MSD	5/19/92	5/19/92
06	EQK08	60016	5/19/92	5/19/92
07	EQK09	60017	5/19/92	5/19/92
08	PBLKII	92504	5/19/92	5/19/92
09				
10				
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				
21				
22				
23				
24				
25				
26				

000910

 RG 6/2/92 FORM IX PEST-2 3/90

10A

PESTICIDE IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

EPA SAMPLE NO.

EQK01

Lab Name:Wadsworth/ALERT Labs Contract:68-DI-0085

Lab Code:WADS Case No.:19026 SAS No.: SDG No.:EQK01

Lab Sample ID :60014 Date(s) Analyzed: 5/19/92 5/19/92

Instrument ID (1):HP5890XA Instrument ID (2):HP5890XB

GC Column(1):RTX1701 ID: 0.53 (mm) GC Column(2):RTX5 ID: 0.53(mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%D
alpha-BHC	1	9.67	9.71	9.81	0.0	
	2	6.75	6.72	6.82	0.52	0.0
beta-BHC	1	17.17	17.12	17.22	3.0	
	2	8.02	7.97	8.07	0.0	0.0
Aldrin	1	15.03	15.03	15.13	0.61	
	2	14.19	14.14	14.24	0.0	0.0
Heptachlor epoxide	1	18.66	18.63	18.77	0.53	
	2	16.43	16.36	16.50	0.0	0.0
4,4'-DDE	1	21.27	21.15	21.29	1.1	
	2	19.49	19.49	19.63	16.	1354.5
Endrin	1	22.41	22.27	22.41	0.83	
	2	20.31	20.28	20.42	14.	1586.7
Endosulfan II	1	24.44	24.36	24.50	0.0	
	2	20.90	20.77	20.91	0.23	0.0
Endosulfan sulfate	1	27.35	27.32	27.46	15.	
	2	22.64	22.65	22.79	0.0	0.0

000911

10A

PESTICIDE IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

EPA SAMPLE NO.

EQK01

Lab Name:Wadsworth/ALERT Labs Contract:68-DI-0085

Lab Code:WADS Case No.:19026 SAS No.: SDG No.:EQK01

Lab Sample ID :60014 Date(s) Analyzed: 5/19/92 5/19/92

Instrument ID (1):HP5890XA Instrument ID (2):HP5890XB

GC Column(1):RTX1701 ID: 0.53 (mm) GC Column(2):RTX5 ID: 0.53(mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%D
4,4'-DDT	1	25.08	25.08	25.22	1.8	
	2	23.06	22.89	23.03	0.0	0.0
Endrin ketone	1	28.71	28.66	28.80	3.8	
	2	24.54	24.53	24.67	7.8	105.3
Endrin aldehyde	1	26.13	26.04	26.18	1.3	
	2	21.73	21.66	21.80	0.0	0.0
alpha-Chlordane	1	20.61	20.53	20.67	0.0	
	2	18.34	18.28	18.42	3.1	0.0
	1					
	2					
	1					
	2					
	1					
	2					
	1					
	2					

000912

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PESTICIDE IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

EPA SAMPLE NO.

EQK01DL

Lab Name:Wadsworth/ALERT Labs Contract:68-DI-0085

Lab Code:WADS Case No.:19026 SAS No.: SDG No.:EQK01

Lab Sample ID :60014DL Date(s) Analyzed: 5/19/92 5/19/92

Instrument ID (1):HP5890XA Instrument ID (2):HP5890XB

GC Column(1):RTX1701 ID: 0.53 (mm) GC Column(2):RTX5 ID: 0.53(mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%D
Endosulfan I	1	19.87	19.79	19.93	0.0	
	2	18.15	18.07	18.21	10.	0.0
4,4'-DDE	1	21.22	21.15	21.29	0.0	
	2	19.50	19.49	19.63	6.3	0.0
Endrin	1	22.35	22.27	22.41	0.0	
	2	20.32	20.28	20.42	21.	0.0
Endosulfan II	1	24.44	24.36	24.50	0.0	
	2	20.77	20.77	20.91	8.0	0.0
Endosulfan sulfate	1	27.38	27.32	27.46	13.	
	2	22.73	22.65	22.79	0.0	0.0
Endrin ketone	1	28.72	28.66	28.80	4.6	
	2	24.54	24.53	24.67	12.	160.9
	1					
	2					
	1					
	2					

000913

10A

PESTICIDE IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

EPA SAMPLE NO.

EQK02

Lab Name:Wadsworth/ALERT Labs Contract:68-DI-0085

Lab Code:WADS Case No.:19026 SAS No.: SDG No.:EQK01

Lab Sample ID :60020 Date(s) Analyzed: 5/19/92 5/19/92

Instrument ID (1):HP5890XA Instrument ID (2):HP5890XB

GC Column(1):RTX1701 ID: 0.53 (mm) GC Column(2):RTX5 ID: 0.53(mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%D
alpha-BHC	1	9.74	9.71	9.81	0.29	
	2	6.76	6.72	6.82	0.18	61.1
beta-BHC	1	17.17	17.12	17.22	3.8	
	2	8.02	7.97	8.07	0.0	0.0
delta-BHC	1	18.04	17.99	18.09	0.0	
	2	9.66	9.59	9.69	0.82	0.0
Aldrin	1	15.08	15.03	15.13	0.0	
	2	14.20	14.14	14.24	3.1	0.0
Heptachlor epoxide	1	18.64	18.63	18.77	0.58	
	2	16.43	16.36	16.50	0.0	0.0
Endosulfan I	1	19.87	19.79	19.93	0.0	
	2	18.20	18.07	18.21	0.19	0.0
4,4'-DDE	1	21.22	21.15	21.29	0.0	
	2	19.58	19.49	19.63	0.37	0.0
Endosulfan II	1	24.44	24.36	24.50	0.0	
	2	20.77	20.77	20.91	0.23	0.0

000914

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PESTICIDE IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

EPA SAMPLE NO.

EQK02

Lab Name:Wadsworth/ALERT Labs Contract:68-DI-0085

Lab Code:WADS Case No.:19026 SAS No.: SDG No.:EQK01

Lab Sample ID :60020 Date(s) Analyzed: 5/19/92 5/19/92

Instrument ID (1):HP5890XA Instrument ID (2):HP5890XB

GC Column(1):RTX1701 ID: 0.53 (mm) GC Column(2):RTX5 ID: 0.53(mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%D
Endosulfan sulfate	1	27.38	27.32	27.46	1.5	
	2	22.68	22.65	22.79	0.40	275.0
Endrin ketone	1	28.74	28.66	28.80	0.0	
	2	24.55	24.53	24.67	0.63	0.0
Endrin aldehyde	1	26.12	26.04	26.18	0.0	
	2	21.70	21.66	21.80	0.18	0.0
	1					
	2					
	1					
	2					
	1					
	2					
	1					
	2					
	1					
	2					

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PESTICIDE IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

EPA SAMPLE NO.

EQK02MS

Lab Name:Wadsworth/ALERT Labs Contract:68-DI-0085

Lab Code:WADS Case No.:19026 SAS No.: SDG No.:EQK01

Lab Sample ID :60020MS Date(s) Analyzed: 5/19/92 5/19/92

Instrument ID (1):HP5890XA Instrument ID (2):HP5890XB

GC Column(1):RTX1701 ID: 0.53 (mm) GC Column(2):RTX5 ID: 0.53(mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%D
alpha-BHC	1	9.77	9.71	9.81	0.0	
	2	6.76	6.72	6.82	0.17	0.0
beta-BHC	1	17.17	17.12	17.22	5.5	
	2	7.92	7.97	8.07	0.0	0.0
delta-BHC	1	18.04	17.99	18.09	0.0	
	2	9.66	9.59	9.69	0.59	0.0
gamma-BHC(Lindane)	1	12.36	12.36	12.46	24.	
	2	8.21	8.16	8.26	21.	14.3
Heptachlor	1	13.62	13.60	13.70	24.	
	2	12.26	12.21	12.31	22.	9.1
Aldrin	1	15.04	15.03	15.13	22.	
	2	14.19	14.14	14.24	21.	4.8
Heptachlor epoxide	1	18.63	18.63	18.77	0.64	
	2	16.43	16.36	16.50	0.0	0.0
Endosulfan I	1	19.87	19.79	19.93	0.0	
	2	18.18	18.07	18.21	0.57	0.0

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PESTICIDE IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

EPA SAMPLE NO.

EQK02MS

Lab Name:Wadsworth/ALERT Labs Contract:68-DI-0085

Lab Code:WADS Case No.:19026 SAS No.: SDG No.:EQK01

Lab Sample ID :60020MS Date(s) Analyzed: 5/19/92 5/19/92

Instrument ID (1):HP5890XA Instrument ID (2):HP5890XB

GC Column(1):RTX1701 ID: 0.53 (mm) GC Column(2):RTX5 ID: 0.53(mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%D
Dieldrin	1	21.46	21.43	21.57	48.	
	2	19.38	19.32	19.46	43.	11.6
4,4'-DDE	1	21.19	21.15	21.29	0.43	
	2	19.56	19.49	19.63	0.0	0.0
Endrin	1	22.31	22.27	22.41	49.	
	2	20.34	20.28	20.42	46.	6.5
Endosulfan II	1	24.44	24.36	24.50	0.0	
	2	20.77	20.77	20.91	0.26	0.0
4,4'-DDD	1	24.56	24.45	24.59	0.49	
	2	21.43	21.36	21.50	0.0	0.0
Endosulfan sulfate	1	27.38	27.32	27.46	1.7	
	2	22.68	22.65	22.79	0.44	286.4
4,4'-DDT	1	25.12	25.08	25.22	55.	
	2	22.96	22.89	23.03	57.	3.6
Endrin ketone	1	28.69	28.66	28.80	1.4	
	2	24.58	24.53	24.67	1.9	35.7

000917

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PESTICIDE IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

EPA SAMPLE NO.

EQK02MS

Lab Name:Wadsworth/ALERT Labs Contract:68-DI-0085

Lab Code:WADS Case No.:19026 SAS No.: SDG No.:EQK01

Lab Sample ID :60020MS Date(s) Analyzed: 5/19/92 5/19/92

Instrument ID (1):HP5890XA Instrument ID (2):HP5890XB

GC Column(1):RTX1701 ID: 0.53 (mm) GC Column(2):RTX5 ID: 0.53(mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%D
Endrin aldehyde	1	26.12	26.04	26.18	0.0	
	2	21.72	21.66	21.80	0.59	0.0
	1					
	2					
	1					
	2					
	1					
	2					
	1					
	2					
	1					
	2					
	1					
	2					

000918

 RG 6/2/92

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PESTICIDE IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

EPA SAMPLE NO.

EQK02MSD

Lab Name:Wadsworth/ALERT Labs Contract:68-DI-0085

Lab Code:WADS Case No.:19026 SAS No.: SDG No.:EQK01

Lab Sample ID :60020MSD Date(s) Analyzed: 5/19/92 5/19/92

Instrument ID (1):HP5890XA Instrument ID (2):HP5890XB

GC Column(1):RTX1701 ID: 0.53 (mm) GC Column(2):RTX5 ID: 0.53(mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%D
alpha-BHC	1	9.77	9.71	9.81	0.0	
	2	6.76	6.72	6.82	0.16	0.0
beta-BHC	1	17.17	17.12	17.22	4.4	
	2	7.92	7.97	8.07	0.0	0.0
delta-BHC	1	18.04	17.99	18.09	0.0	
	2	9.66	9.59	9.69	0.59	0.0
gamma-BHC(Lindane)	1	12.36	12.36	12.46	25.	
	2	8.21	8.16	8.26	21.	19.0
Heptachlor	1	13.62	13.60	13.70	24.	
	2	12.26	12.21	12.31	22.	9.1
Aldrin	1	15.04	15.03	15.13	23.	
	2	14.18	14.14	14.24	20.	15.0
Heptachlor epoxide	1	18.64	18.63	18.77	1.4	
	2	16.41	16.36	16.50	0.11	1172.7
Endosulfan I	1	19.87	19.79	19.93	0.0	
	2	18.20	18.07	18.21	0.18	0.0

10A

PESTICIDE IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

EPA SAMPLE NO.

EQK02MSD

Lab Name:Wadsworth/ALERT Labs Contract:68-DI-0085

Lab Code:WADS Case No.:19026 SAS No.: SDG No.:EQK01

Lab Sample ID :60020MSD Date(s) Analyzed: 5/19/92 5/19/92

Instrument ID (1):HP5890XA Instrument ID (2):HP5890XB

GC Column(1):RTX1701 ID: 0.53 (mm) GC Column(2):RTX5 ID: 0.53(mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%D
Dieldrin	1	21.46	21.43	21.57	49.	
	2	19.38	19.32	19.46	43.	14.0
4,4'-DDE	1	21.19	21.15	21.29	0.37	
	2	19.56	19.49	19.63	0.0	0.0
Endrin	1	22.31	22.27	22.41	50.	
	2	20.34	20.28	20.42	46.	8.7
Endosulfan II	1	24.44	24.36	24.50	0.0	
	2	20.77	20.77	20.91	0.30	0.0
Endosulfan sulfate	1	27.38	27.32	27.46	1.7	
	2	22.68	22.65	22.79	0.48	254.2
4,4'-DDT	1	25.12	25.08	25.22	55.	
	2	22.96	22.89	23.03	56.	1.8
Methoxychlor	1	27.75	27.68	27.82	0.0	
	2	25.46	25.37	25.51	2.0	0.0
Endrin ketone	1	28.70	28.66	28.80	1.5	
	2	24.58	24.53	24.67	2.0	33.3

10A

PESTICIDE IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

EPA SAMPLE NO.

EQK02MSD

Lab Name:Wadsworth/ALERT Labs Contract:68-DI-0085

Lab Code:WADS Case No.:19026 SAS No.: SDG No.:EQK01

Lab Sample ID :60020MSD Date(s) Analyzed: 5/19/92 5/19/92

Instrument ID (1):HP5890XA Instrument ID (2):HP5890XB

GC Column(1):RTX1701 ID: 0.53 (mm) GC Column(2):RTX5 ID: 0.53(mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%D
Endrin aldehyde	1	26.12	26.04	26.18	0.0	
	2	21.72	21.66	21.80	0.63	0.0
	1					
	2					
	1					
	2					
	1					
	2					
	1					
	2					
	1					
	2					
	1					
	2					
	1					
	2					

000921

10A

PESTICIDE IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

EPA SAMPLE NO.

EQK08

Lab Name:Wadsworth/ALERT Labs Contract:68-DI-0085

Lab Code:WADS Case No.:19026 SAS No.: SDG No.:EQK01

Lab Sample ID :60016 Date(s) Analyzed: 5/19/92 5/19/92

Instrument ID (1):HP5890XA Instrument ID (2):HP5890XB

GC Column(1):RTX1701 ID: 0.53 (mm) GC Column(2):RTX5 ID: 0.53(mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%D
alpha-BHC	1	9.77	9.71	9.81	0.0	
	2	6.72	6.72	6.82	0.74	0.0
beta-BHC	1	17.21	17.12	17.22	16.	
	2	8.02	7.97	8.07	0.0	0.0
Heptachlor epoxide	1	18.62	18.63	18.77	0.0	
	2	16.44	16.36	16.50	0.38	0.0
Endosulfan I	1	19.78	19.79	19.93	0.0	
	2	18.14	18.07	18.21	1.8	0.0
Dieldrin	1	21.49	21.43	21.57	1.3	
	2	19.39	19.32	19.46	0.0	0.0
4,4'-DDE	1	21.17	21.15	21.29	2.0	
	2	19.54	19.49	19.63	1.5	33.3
Endrin	1	22.35	22.27	22.41	0.0	
	2	20.37	20.28	20.42	0.99	0.0
Endosulfan II	1	24.44	24.36	24.50	0.0	
	2	20.77	20.77	20.91	1.0	0.0

000922

10A

PESTICIDE IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

EPA SAMPLE NO.

EQK08

Lab Name:Wadsworth/ALERT Labs Contract:68-DI-0085

Lab Code:WADS Case No.:19026 SAS No.: SDG No.:EQK01

Lab Sample ID :60016 Date(s) Analyzed: 5/19/92 5/19/92

Instrument ID (1):HP5890XA Instrument ID (2):HP5890XB

GC Column(1):RTX1701 ID: 0.53 (mm) GC Column(2):RTX5 ID: 0.53(mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%D
4,4'-DDD	1	24.54	24.45	24.59	5.6	
	2	21.43	21.36	21.50	0.0	0.0
Endosulfan sulfate	1	27.37	27.32	27.46	2.5	
	2	22.73	22.65	22.79	0.0	0.0
Methoxychlor	1	27.67	27.68	27.82	0.0	
	2	25.51	25.37	25.51	31.	0.0
Endrin ketone	1	28.74	28.66	28.80	0.0	
	2	24.54	24.53	24.67	0.65	0.0
Endrin aldehyde	1	26.12	26.04	26.18	0.0	
	2	21.70	21.66	21.80	1.4	0.0
alpha-Chlordane	1	20.65	20.53	20.67	1.5	
	2	18.37	18.28	18.42	0.54	177.8
	1					
	2					
	1					
	2					

10A
PESTICIDE IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

EPA SAMPLE NO.

EQK09

Lab Name:Wadsworth/ALERT Labs Contract:68-DI-0085

Lab Code:WADS Case No.:19026 SAS No.: SDG No.:EQK01

Lab Sample ID :60017 Date(s) Analyzed: 5/19/92 5/19/92

Instrument ID (1):HP5890XA Instrument ID (2):HP5890XB

GC Column(1):RTX1701 ID: 0.53 (mm) GC Column(2):RTX5 ID: 0.53(mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%D
beta-BHC	1	17.19	17.12	17.22	15.	
	2	8.02	7.97	8.07	0.0	0.0
Aldrin	1	15.08	15.03	15.13	0.0	
	2	14.21	14.14	14.24	7.0	0.0
Heptachlor epoxide	1	18.62	18.63	18.77	0.0	
	2	16.44	16.36	16.50	0.22	0.0
Endosulfan I	1	19.78	19.79	19.93	0.0	
	2	18.15	18.07	18.21	0.96	0.0
Dieldrin	1	21.48	21.43	21.57	1.1	
	2	19.39	19.32	19.46	0.0	0.0
4,4'-DDE	1	21.15	21.15	21.29	4.0	
	2	19.54	19.49	19.63	0.52	669.2
Endrin	1	22.35	22.27	22.41	0.0	
	2	20.37	20.28	20.42	0.79	0.0
Endosulfan II	1	24.44	24.36	24.50	0.0	
	2	20.77	20.77	20.91	1.1	0.0

000924

10A

PESTICIDE IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

EPA SAMPLE NO.

EQK09

Lab Name:Wadsworth/ALERT Labs Contract:68-DI-0085

Lab Code:WADS Case No.:19026 SAS No.: SDG No.:EQK01

Lab Sample ID :60017 Date(s) Analyzed: 5/19/92 5/19/92

Instrument ID (1):HP5890XA Instrument ID (2):HP5890XB

GC Column(1):RTX1701 ID: 0.53 (mm) GC Column(2):RTX5 ID: 0.53(mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%D
4,4'-DDD	1	24.54	24.45	24.59	3.4	
	2	21.43	21.36	21.50	0.0	0.0
Endosulfan sulfate	1	27.37	27.32	27.46	2.3	
	2	22.73	22.65	22.79	0.0	0.0
Methoxychlor	1	27.75	27.68	27.82	0.0	
	2	25.48	25.37	25.51	17.	0.0
Endrin ketone	1	28.74	28.66	28.80	0.0	
	2	24.55	24.53	24.67	0.44	0.0
Endrin aldehyde	1	26.12	26.04	26.18	0.0	
	2	21.70	21.66	21.80	0.64	0.0
alpha-Chlordane	1	20.61	20.53	20.67	0.0	
	2	18.37	18.28	18.42	0.54	0.0
	1					
	2					
	1					
	2					

10A

PESTICIDE IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

EPA SAMPLE NO.

EQK26

Lab Name:Wadsworth/ALERT Labs Contract:68-DI-0085

Lab Code:WADS Case No.:19026 SAS No.: SDG No.:EQK01

Lab Sample ID :60304 Date(s) Analyzed: 5/18/92 5/18/92

Instrument ID (1):HP5890XA Instrument ID (2):HP5890XB

GC Column(1):RTX1701 ID: 0.53 (mm) GC Column(2):RTX5 ID: 0.53(mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%D
beta-BHC	1	17.18	17.12	17.22	0.08	
	2	8.02	7.97	8.07	0.0	0.0
delta-BHC	1	18.04	17.99	18.09	0.0	
	2	9.66	9.59	9.69	0.003	0.0
gamma-BHC(Lindane)	1	12.42	12.36	12.46	0.0	
	2	8.22	8.16	8.26	0.003	0.0
Heptachlor	1	13.66	13.60	13.70	0.0	
	2	12.37	12.21	12.31	0.045	0.0
Aldrin	1	15.08	15.03	15.13	0.0	
	2	14.20	14.14	14.24	0.095	0.0
Heptachlor epoxide	1	18.64	18.63	18.77	0.006	
	2	16.44	16.36	16.50	0.004	62.2
Endosulfan I	1	19.87	19.79	19.93	0.0	
	2	18.17	18.07	18.21	0.003	0.0
Dieldrin	1	21.50	21.43	21.57	0.0	
	2	19.39	19.32	19.46	0.003	0.0

10A

PESTICIDE IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

EPA SAMPLE NO.

EQK26

Lab Name:Wadsworth/ALERT Labs Contract:68-DI-0085

Lab Code:WADS Case No.:19026 SAS No.: SDG No.:EQK01

Lab Sample ID :60304 Date(s) Analyzed: 5/18/92 5/18/92

Instrument ID (1):HP5890XA Instrument ID (2):HP5890XB

GC Column(1):RTX1701 ID: 0.53 (mm) GC Column(2):RTX5 ID: 0.53(mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%D
4,4'-DDT	1	25.15	25.08	25.22	0.0	
	2	23.01	22.89	23.03	0.013	0.0
gamma-Chlordane	1	20.30	20.23	20.37	0.0	
	2	17.58	17.54	17.68	0.005	0.0
	1					
	2					
	1					
	2					
	1					
	2					
	1					
	2					
	1					
	2					
	1					
	2					

000927

10A

PESTICIDE IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

EPA SAMPLE NO.

EQK26MS

Lab Name:Wadsworth/ALERT Labs Contract:68-DI-0085

Lab Code:WADS Case No.:19026 SAS No.: SDG No.:EQK01

Lab Sample ID :60304MS Date(s) Analyzed: 5/18/92 5/18/92

Instrument ID (1):HP5890XA Instrument ID (2):HP5890XB

GC Column(1):RTX1701 ID: 0.53 (mm) GC Column(2):RTX5 ID: 0.53(mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%D
gamma-BHC(Lindane)	1	12.37	12.36	12.46	0.38	
	2	8.21	8.16	8.26	0.37	2.7
Heptachlor	1	13.63	13.60	13.70	0.33	
	2	12.26	12.21	12.31	0.41	24.2
Aldrin	1	15.05	15.03	15.13	0.32	
	2	14.19	14.14	14.24	0.32	0.0
Heptachlor epoxide	1	18.71	18.63	18.77	0.0	
	2	16.43	16.36	16.50	0.004	0.0
Endosulfan I	1	19.87	19.79	19.93	0.0	
	2	18.17	18.07	18.21	0.004	0.0
Dieldrin	1	21.47	21.43	21.57	0.74	
	2	19.38	19.32	19.46	0.73	1.4
Endrin	1	22.32	22.27	22.41	0.77	
	2	20.35	20.28	20.42	0.76	1.3
4,4'-DDT	1	25.13	25.08	25.22	0.85	
	2	22.96	22.89	23.03	0.82	3.7

000928

10A

PESTICIDE IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

EPA SAMPLE NO.

EQK26MS

Lab Name:Wadsworth/ALERT Labs Contract:68-DI-0085

Lab Code:WADS Case No.:19026 SAS No.: SDG No.:EQK01

Lab Sample ID :60304MS Date(s) Analyzed: 5/18/92 5/18/92

Instrument ID (1):HP5890XA Instrument ID (2):HP5890XB

GC Column(1):RTX1701 ID: 0.53 (mm) GC Column(2):RTX5 ID: 0.53(mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%D
Methoxychlor	1	27.75	27.68	27.82	0.0	
	2	25.44	25.37	25.51	0.068	0.0
Endrin ketone	1	28.70	28.66	28.80	0.018	
	2	24.59	24.53	24.67	0.025	38.9
Endrin aldehyde	1	26.12	26.04	26.18	0.0	
	2	21.73	21.66	21.80	0.01	0.0
	1					
	2					
	1					
	2					
	1					
	2					
	1					
	2					
	1					
	2					

000929

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PESTICIDE IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

EPA SAMPLE NO.

EQK26MSD

Lab Name:Wadsworth/ALERT Labs Contract:68-DI-0085

Lab Code:WADS Case No.:19026 SAS No.: SDG No.:EQK01

Lab Sample ID :60304MSD Date(s) Analyzed: 5/19/92 5/19/92

Instrument ID (1):HP5890XA Instrument ID (2):HP5890XB

GC Column(1):RTX1701 ID: 0.53 (mm) GC Column(2):RTX5 ID: 0.53(mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%D
beta-BHC	1	17.18	17.12	17.22	0.022	
	2	8.02	7.97	8.07	0.0	0.0
gamma-BHC(Lindane)	1	12.38	12.36	12.46	0.43	
	2	8.21	8.16	8.26	0.41	4.9
Heptachlor	1	13.63	13.60	13.70	0.39	
	2	12.26	12.21	12.31	0.44	12.8
Aldrin	1	15.05	15.03	15.13	0.38	
	2	14.19	14.14	14.24	0.38	0.0
Heptachlor epoxide	1	18.64	18.63	18.77	0.007	
	2	16.42	16.36	16.50	0.008	10.0
Endosulfan I	1	19.87	19.79	19.93	0.0	
	2	18.16	18.07	18.21	0.01	0.0
Dieldrin	1	21.47	21.43	21.57	0.83	
	2	19.38	19.32	19.46	0.81	2.5
Endrin	1	22.31	22.27	22.41	0.85	
	2	20.34	20.28	20.42	0.85	0.0

000930

10A

PESTICIDE IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

EPA SAMPLE NO.

EQK26MSD

Lab Name:Wadsworth/ALERT Labs Contract:68-DI-0085

Lab Code:WADS Case No.:19026 SAS No.: SDG No.:EQK01

Lab Sample ID :60304MSD Date(s) Analyzed: 5/19/92 5/19/92

Instrument ID (1):HP5890XA Instrument ID (2):HP5890XB

GC Column(1):RTX1701 ID: 0.53 (mm) GC Column(2):RTX5 ID: 0.53(mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%D
4,4'-DDT	1	25.12	25.08	25.22	0.93	
	2	22.96	22.89	23.03	0.90	3.3
Endrin ketone	1	28.69	28.66	28.80	0.023	
	2	24.59	24.53	24.67	0.027	17.4
Endrin aldehyde	1	26.12	26.04	26.18	0.0	
	2	21.73	21.66	21.80	0.012	0.0
	1					
	2					
	1					
	2					
	1					
	2					
	1					
	2					
	1					
	2					

000931

10A

PESTICIDE IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

EPA SAMPLE NO.

PBLKI

Lab Name:Wadsworth/ALERT Labs Contract:68-DI-0085

Lab Code:WADS Case No.:19026 SAS No.: SDG No.:EQK01

Lab Sample ID :90430 Date(s) Analyzed: 5/18/92 5/18/92

Instrument ID (1):HP5890XA Instrument ID (2):HP5890XB

GC Column(1):RTX1701 ID: 0.53 (mm) GC Column(2):RTX5 ID: 0.53(mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%D
beta-BHC	1	17.18	17.12	17.22	0.019	
	2	8.02	7.97	8.07	0.0	0.0
Aldrin	1	15.08	15.03	15.13	0.0	
	2	14.21	14.14	14.24	0.044	0.0
Heptachlor epoxide	1	18.64	18.63	18.77	0.007	
	2	16.45	16.36	16.50	0.005	32.1
Endosulfan I	1	19.87	19.79	19.93	0.0	
	2	18.17	18.07	18.21	0.003	0.0
4,4'-DDT	1	25.15	25.08	25.22	0.0	
	2	23.00	22.89	23.03	0.024	0.0
	1					
	2					
	1					
	2					
	1					
	2					

10A

PESTICIDE IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

EPA SAMPLE NO.

PBLKII

Lab Name:Wadsworth/ALERT Labs Contract:68-DI-0085

Lab Code:WADS Case No.:19026 SAS No.: SDG No.:EQK01

Lab Sample ID :92504 Date(s) Analyzed: 5/19/92 5/19/92

Instrument ID (1):HP5890XA Instrument ID (2):HP5890XB

GC Column(1):RTX1701 ID: 0.53 (mm) GC Column(2):RTX5 ID: 0.53(mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%D
alpha-BHC	1	9.77	9.71	9.81	0.0	
	2	6.75	6.72	6.82	0.15	0.0
beta-BHC	1	17.18	17.12	17.22	1.3	
	2	8.02	7.97	8.07	0.0	0.0
Aldrin	1	15.08	15.03	15.13	0.0	
	2	14.21	14.14	14.24	1.6	0.0
Heptachlor epoxide	1	18.65	18.63	18.77	0.21	
	2	16.40	16.36	16.50	0.087	141.4
Endosulfan I	1	19.87	19.79	19.93	0.0	
	2	18.20	18.07	18.21	0.11	0.0
4,4'-DDT	1	25.15	25.08	25.22	0.0	
	2	22.99	22.89	23.03	0.27	0.0
Methoxychlor	1	27.75	27.68	27.82	0.0	
	2	25.44	25.37	25.51	0.39	0.0
Endrin ketone	1	28.70	28.66	28.80	0.55	
	2	24.60	24.53	24.67	0.0	0.0

COLUMN ID:HP5890XA RTx1701 .53MM
Sample Name : RESCA1 (P1244A1) 1UL ASP Report No :239.10

Peak Processor : Genie Multilevel : False
Instrument : XA Application : Loop
Calculation : ExternalSTD Quantitation : AreaUnits
Result File : /XA/XA512003.RES
Run Time : 55.00 Minutes Injected on Wed May 13, 1992 4:37:02 p

Run Status : EndOffBaseline
SignalOverload

Pk#	RT	Area	Code	NG	NAME
1	4.41	76778	BB	1.773107E-02	
2	4.59	9212	BB	2.127497E-03	
3	5.59	290633	BB	1.537928E-02	Tetrachloro-m-xylene
4	17.23	73415	BB	8.653609E-03	beta-BHC
5	19.87	120974	BB	8.654315E-03	Endosulfan I
6	20.31	126541	BB	8.885963E-03	gamma-Chlordane
7	21.23	207607	BB	1.718848E-02	4,4'-DDE
8	21.50	210847	BB	1.734358E-02	Dieldrin
9	25.50	8804	BB	2.033107E-03	
10	27.40	149481	BB	1.793341E-02	Endosulfan sulfate
11	27.75	400909	BB	1.485979E-01	Methoxychlor
12	28.74	187078	BB	2.456539E-02	Endrin ketone
13	32.51	179273	BB	1.318258E-02	Decachlorobiphenyl
14	34.74	8692	BB	2.007217E-03	

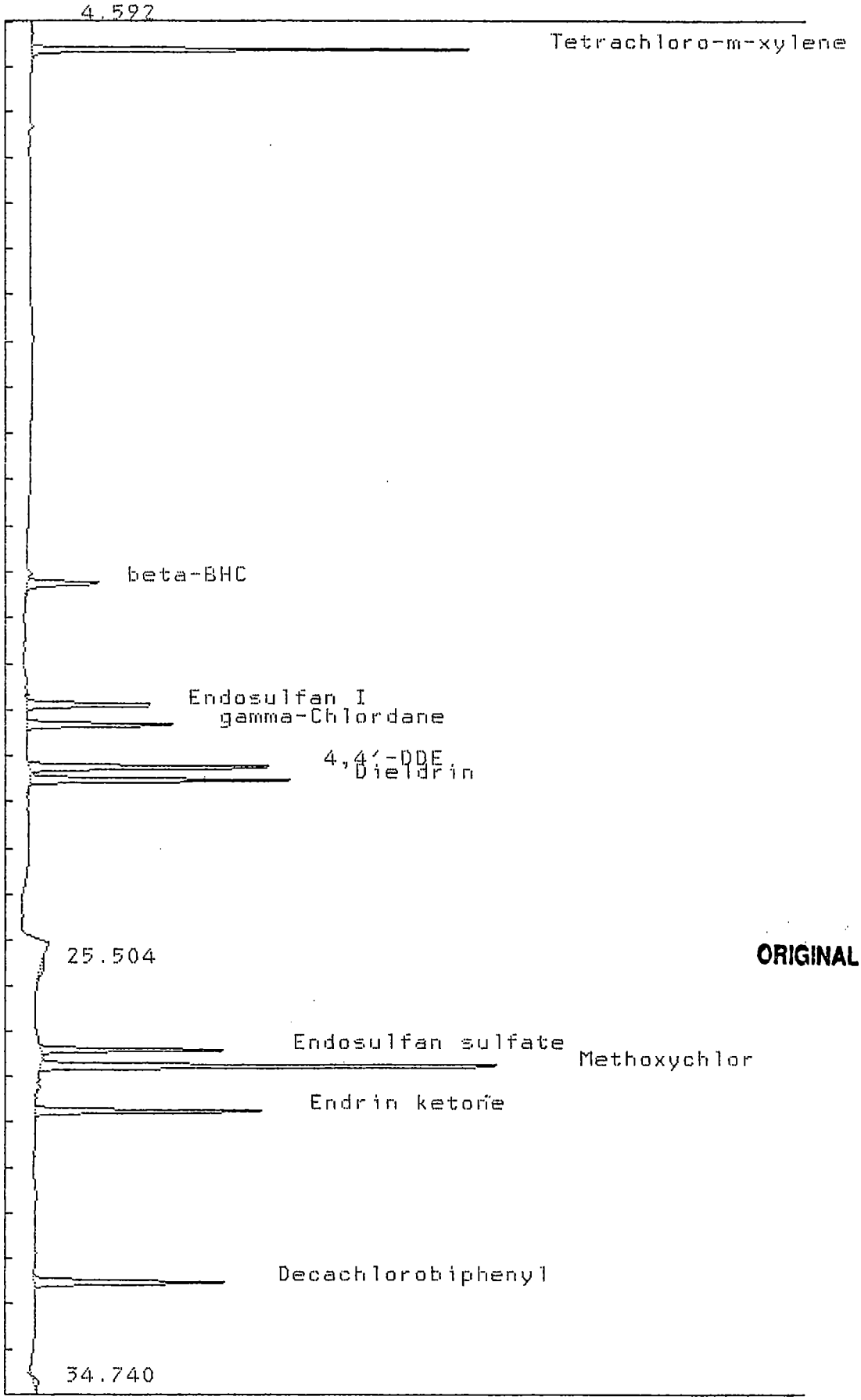
Total Area : 2050245 Total NG : .304

COPY

ORIGINAL IS FILED IN CSF 18075

COLUMN ID:HP5890XA RTx1701 .53MM

SampleName : RESCA1 (P1244A1) 1UL ASP
Method : /METHODS/XAIAIB514A.MTH
Injected on :Wed May 13, 1992 4:37:02 pm
Report File : /DATA/LOOP/FORMAT/GSHORT_AREA.FMT



COPY
ORIGINAL IS FILED IN CSF 18076

COLUMN ID:HP5890XB RTx5 .53MM
Sample Name : RESCB1 (P1244B1) 1UL ASP Report No :239.00

Peak Processor : Genie Multilevel : False
Instrument : XB Application : Loop
Calculation : ExternalSTD Quantitation : AreaUnits
Result File : /XB/XB512003.RES
Run Time : 35.02 Minutes Injected on Wed May 13, 1992 4:37:02 p

Run Status : SignalOverload

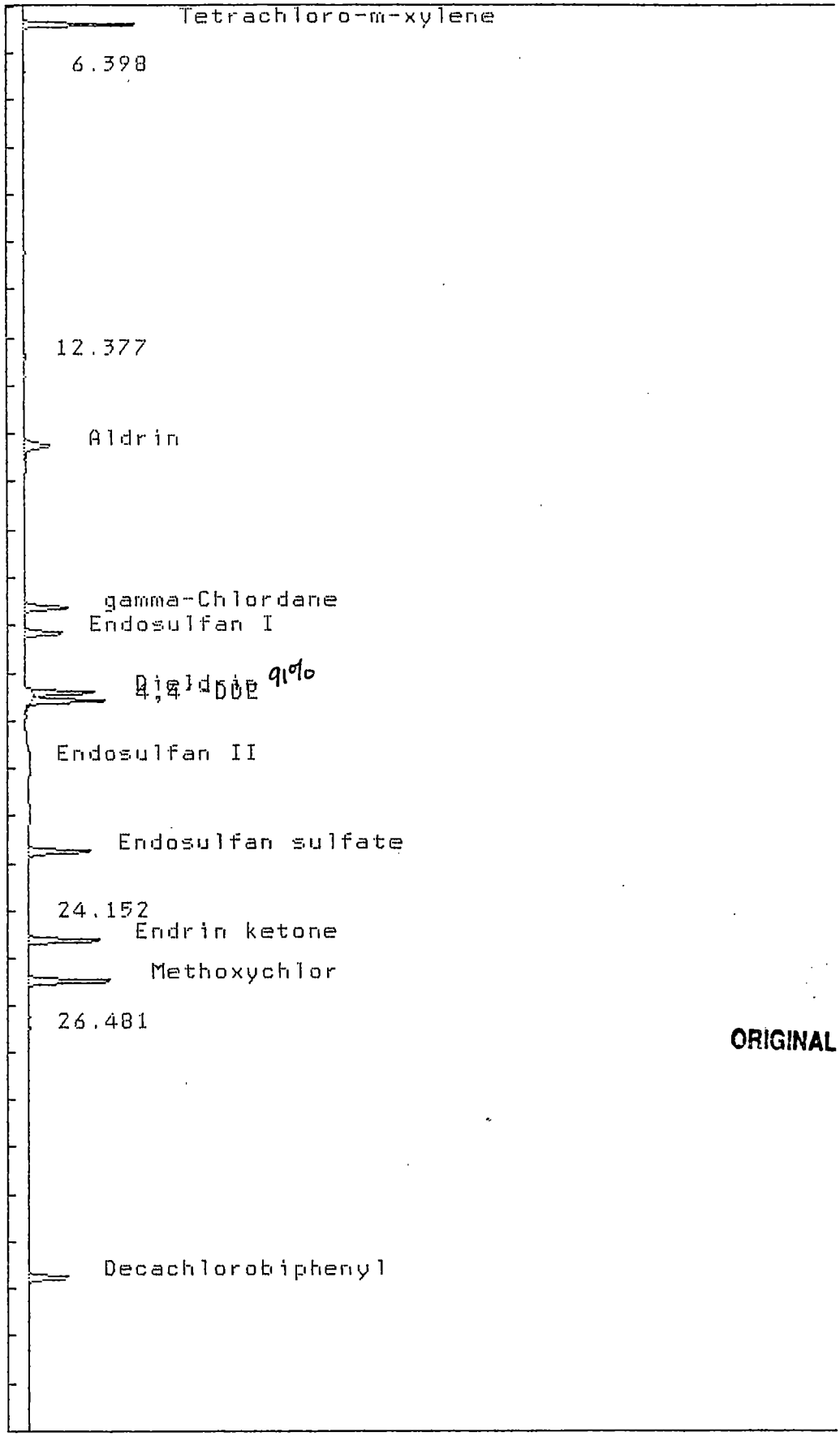
Pk#	RT	Area	Code	NG	NAME
1	3.30	51642	BB	1.192618E-02	
2	4.26	32308	BB	7.461277E-03	
3	5.37	648096	BB	4.580649E-02	Tetrachloro-m-xylene
4	6.40	9195	BB	2.123378E-03	
5	12.38	12609	BB	2.911867E-03	
6	14.23	293247	BB	2.641691E-02	Aldrin
7	17.61	345860	BB	2.695831E-02	gamma-Chlordane
8	18.15	323443	BB	2.696719E-02	Endosulfan I
9	19.39	476298	BB	4.441824E-02	Dieldrin
10	19.56	493710	BB	4.901873E-02	4,4'-DDE
11	20.84	8836	BB	8.427160E-04	Endosulfan II
12	22.73	505362	BB	5.687342E-02	Endosulfan sulfate
13	24.15	9785	BB	2.259863E-03	
14	24.60	574050	BB	5.641704E-02	Endrin ketone
15	25.45	704533	BB	7.045335E+05	Methoxychlor
16	26.48	13854	BB	3.199446E-03	
17	31.75	358931	BB	2.674072E-02	Decachlorobiphenyl

Total Area : 4861762 Total NG : 704533.900

COPY

ORIGINAL IS FILED IN CSF 18075

COLUMN ID:HP5890XB RTx5 .53MM
SampleName : RESCB1 (P1244B1) 1UL ASP
Method : /METHODS/XBIAIB427.MTH
Injected on :Wed May 13, 1992 4:37:02 pm
Report File : /DATA/LOOP/FORMAT/GSHORT_AREA.FMT



COPY
ORIGINAL IS FILED IN CSF 18075

COLUMN ID:HP5890XA RTx1701 .53MM
Sample Name : PEMA1 (P1273A1) 1UL ASP Report No :240.20

Peak Processor : Genie Multilevel : False
Instrument : XA Application : Loop
Calculation : ExternalSTD Quantitation : AreaUnits
Result File : /XA/XA512004.RES
Run Time : 35.00 Minutes Injected on Wed May 13, 1992 5:20:33 p

Run Status : RunStatusOK
EndOffBaseline

Pk#	RT	Area	Code	NG	NAME
1	4.35	39609	BB	9.147312E-03	
2	4.59	12043	BB	2.781291E-03	
3	5.59	283278	BB	1.499009E-02	Tetrachloro-m-xylene
4	9.76	138945	BB	8.711094E-03	alpha-BHC
5	12.42	137079	BB	7.761042E-03	gamma-BHC(Lindane)
6	17.18	117780	BB	1.388305E-02	beta-BHC
7	22.35	492913	BB	5.618269E-02	Endrin
8	25.16	752435	BB	2.746615E-01	4,4'-DDT
9	26.12	12520	BB	1.627324E-03	Endrin aldehyde
10	27.75	1017041	BB	3.769684E-01	Methoxychlor
11	28.73	13491	BB	1.771483E-03	Endrin ketone
12	32.51	152934	BB	1.124579E-02	Decachlorobiphenyl
13	34.70	10594	BB	2.446527E-03	

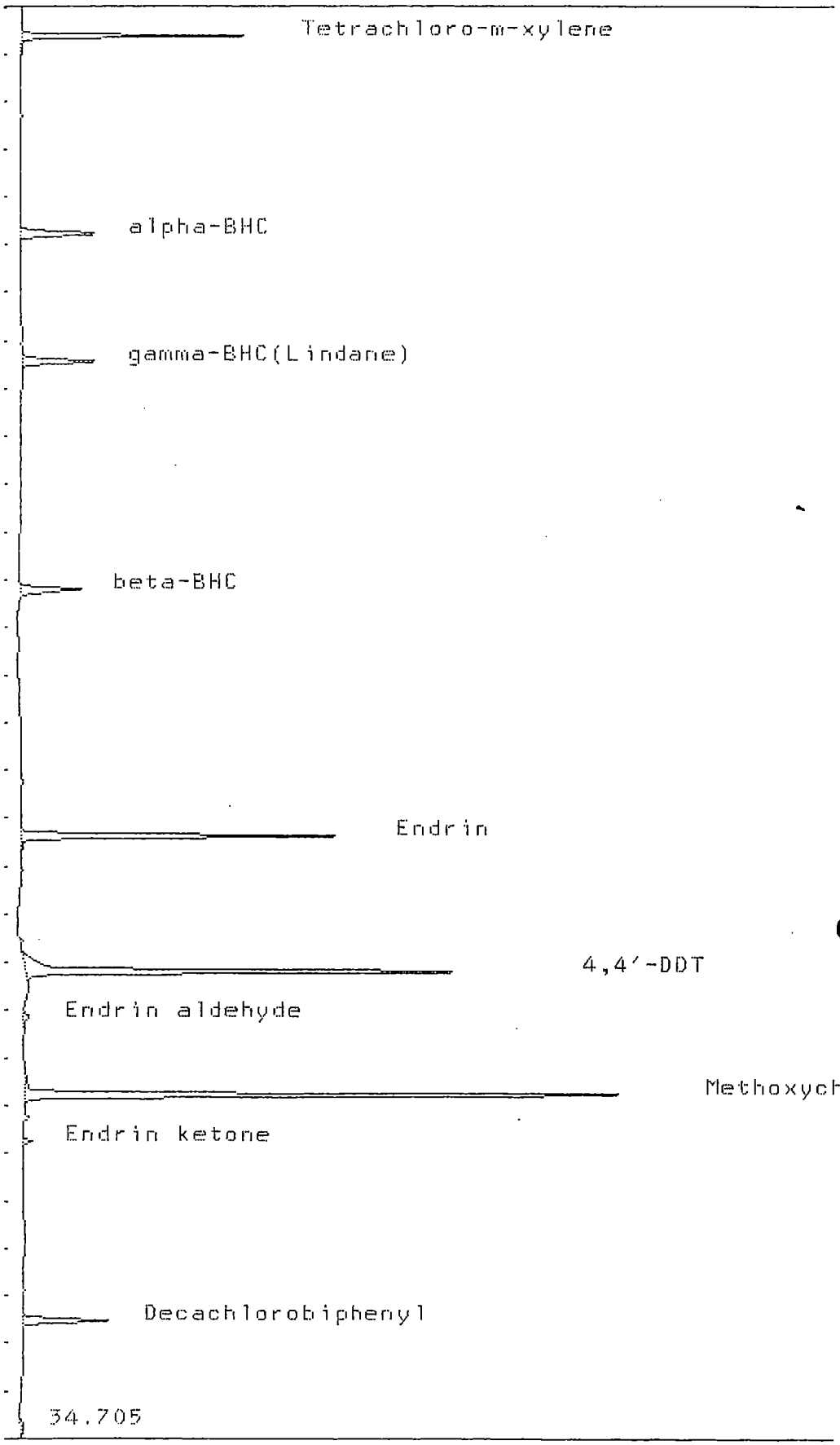
Total Area : 3180664 Total NG : .782

COPY

ORIGINAL IS FILED IN CSF 18075

COLUMN ID:HP5890XA RTx1701 .53MM

SampleName : PEMA1 (P1273A1) 1UL ASP
Method : /METHODS/XAIAIB514.MTH
Injected on :Wed May 13, 1992 5:20:33 pm
Report File : /DATA/LOOP/FORMAT/GSHORT_AREA.FMT



COPY
ORIGINAL IS FILED IN CSF 18075

COLUMN ID:HP5890XA RTx1701 .53MM
Sample Name : PEMA7 (P1273A7) 1UL TMB Report No : 10.00

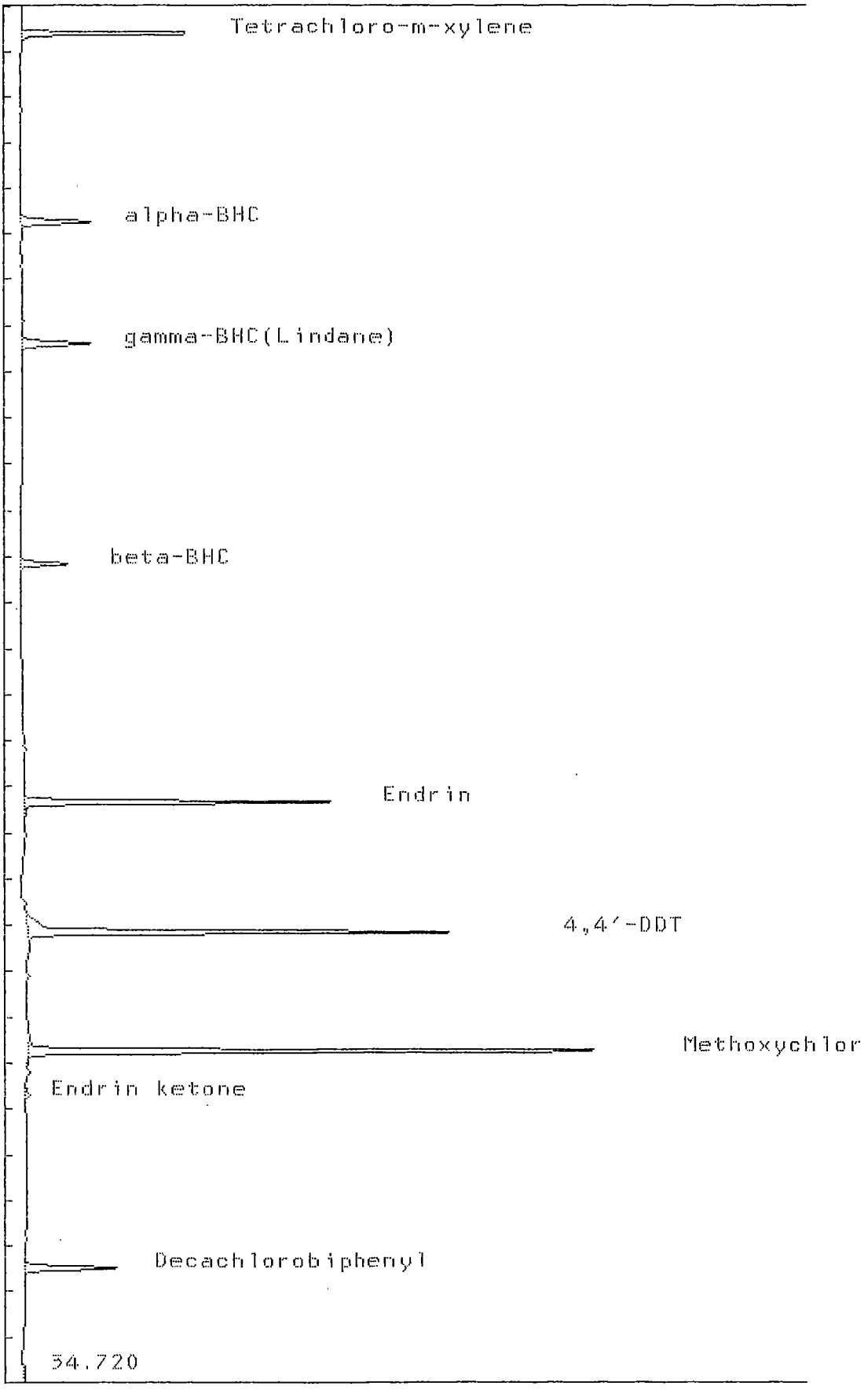
Peak Processor : Genie Multilevel : False
Instrument : XA Application : Loop
Calculation : ExternalSTD Quantitation : AreaUnits
Result File : /XA/XA518003.RES
Run Time : 35.00 Minutes Injected on Mon May 18, 1992 6:46:11 p

Run Status : RunStatusOK

Pk#	RT	Area	Code	NG	NAME
1	4.33	11543	BB	2.665703E-03	
2	5.57	283129	BB	1.498220E-02	Tetrachloro-m-xylene
3	9.73	142044	BB	8.905372E-03	alpha-BHC
4	12.38	138848	BB	7.861182E-03	gamma-BHC(Lindane)
5	17.13	84997	BB	1.001887E-02	beta-BHC
6	22.32	514865	BB	5.868489E-02	Endrin
7	25.13	753909	BB	2.751994E-01	4,4'-DDT
8	27.72	1008359	BB	3.737502E-01	Methoxychlor
9	28.70	8213	BB	1.078425E-03	Endrin ketone
10	32.46	179582	BB	1.320527E-02	Decachlorobiphenyl
11	34.72	10106	BB	2.333786E-03	

Total Area : 3135595 Total NG : .769

COLUMN ID:HP5890XA RTx1701 .53MM
SampleName : PEMA7 (P1273A7) 1UL TMB
Method : /methods/XAIAIB514.MTH
Injected on :Mon May 18, 1992 6:46:11 pm
Report File : /DATA/LOOP/FORMAT/GSHORT_AREA.FMT



COLUMN ID:HP5890XA RTx1701 .53MM
Sample Name : PEMA8 (P1273A8) 1UL TMB Report No : 35.00

Peak Processor : Genie Multilevel : False
Instrument : XA Application : Loop
Calculation : ExternalSTD Quantitation : AreaUnits
Result File : /XA/XA518028.RES
Run Time : 35.00 Minutes Injected on Tue May 19, 1992 12:53:54 p

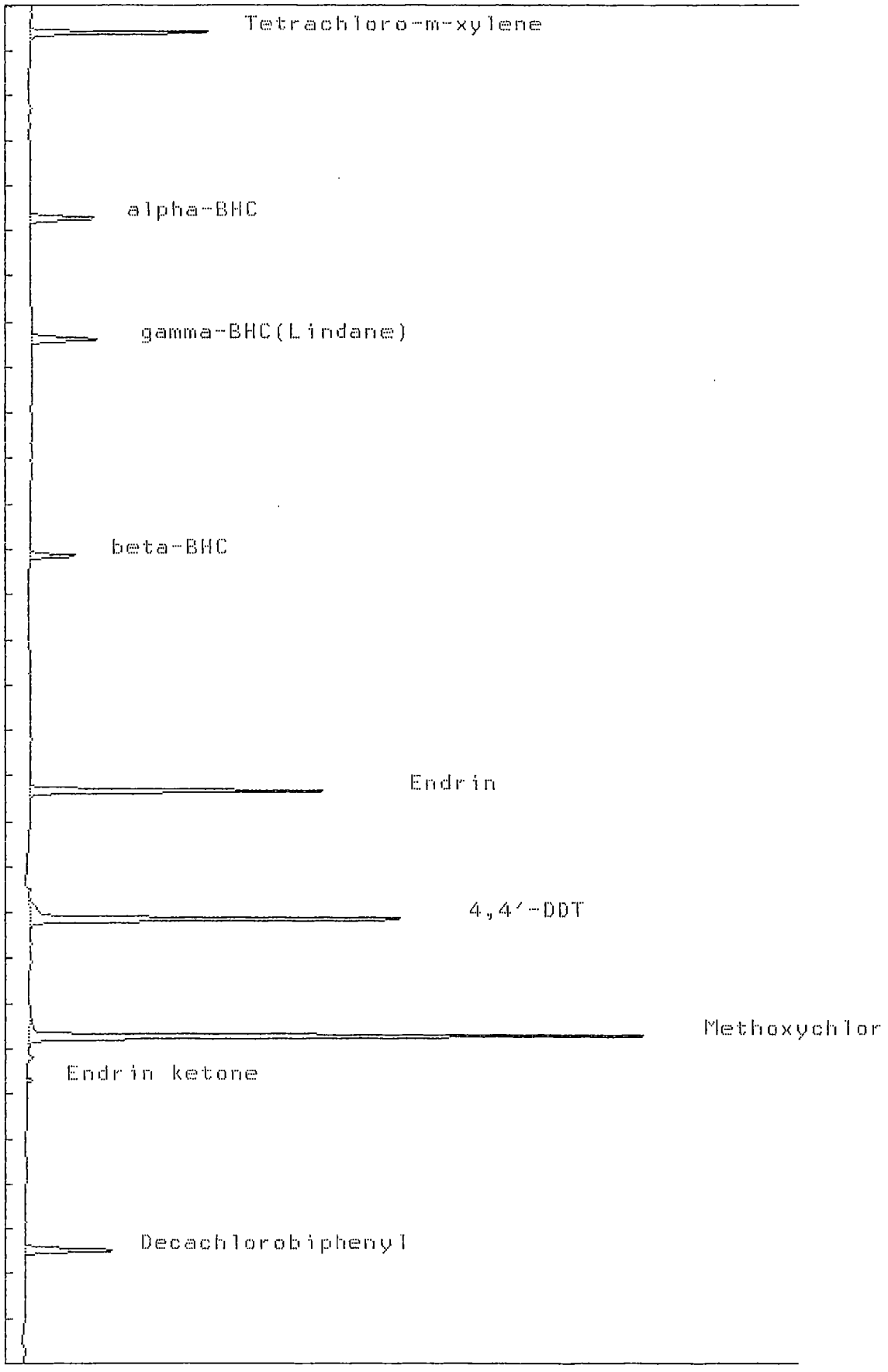
Run Status : RunStatusOK

Pk#	RT	Area	Code	NG	NAME
1	3.55	10462	BS	2.416094E-03	
2	3.86	31826	BB	7.349784E-03	
3	4.15	30183	BB	6.970413E-03	
4	4.32	231237	BB	5.340179E-02	
5	4.56	62055	BB	1.433097E-02	
6	5.57	283227	BB	1.498739E-02	Tetrachloro-m-xylene
7	9.72	143105	BB	8.971883E-03	alpha-BHC
8	12.36	141276	BB	7.998651E-03	gamma-BHC(Lindane)
9	17.12	85881	BB	1.012301E-02	beta-BHC
10	22.31	522818	BB	5.959135E-02	Endrin
11	25.12	737743	BB	2.692984E-01	4,4'-DDT
12	27.71	1062063	BB	3.936558E-01	Methoxychlor
13	28.68	8785	BB	1.153540E-03	Endrin ketone
14	32.45	185025	BB	1.360557E-02	Decachlorobiphenyl

Total Area : 3535686 Total NG : .864

COLUMN ID:HP5890XA RTx1701 .53MM

SampleName : PEMA8 (P1273A8) 1UL TMB
Method : /methods/XAIAIB514.MTH
Injected on :Tue May 19, 1992 12:53:54 pm
Report File : /DATA/LOOP/FORMAT/GSHORT_AREA.FMT



COLUMN ID:HP5890XB RTx5 .53MM
Sample Name : PEMB1 (P1273B1) 1UL ASP Report No :240.00

Peak Processor :.Genie Multilevel : False
Instrument : XB Application : Loop
Calculation : ExternalSTD Quantitation : AreaUnits
Result File : /XB/XB512004.RES
Run Time : 35.00 Minutes Injected on Wed May 13, 1992 5:20:33 p

Run Status : RunStatusOK

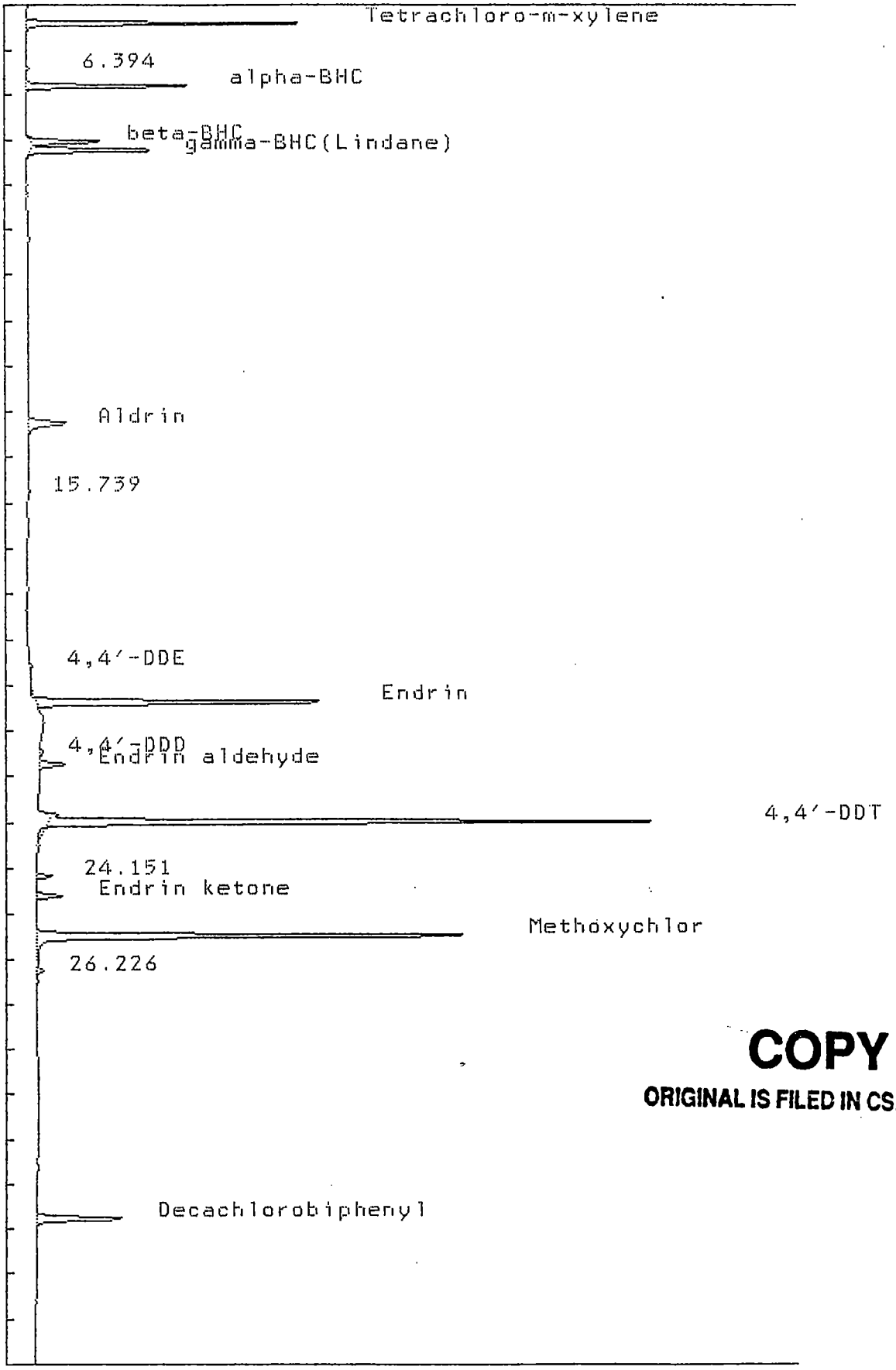
Pk#	RT	Area	Code	NG	NAME
1	3.11	13490	BS	3.115399E-03	
2	5.37	660477	BB	4.668157E-02	Tetrachloro-m-xylene
3	6.39	9181	BB	2.120358E-03	
4	6.78	451369	BB	3.812320E-02	alpha-BHC
5	8.03	216262	BB	2.965562E-02	beta-BHC
6	8.22	398486	BB	2.954004E-02	gamma-BHC(Lindane)
7	14.23	180093	BB	1.622351E-02	Aldrin
8	15.74	9059	BB	2.092191E-03	
9	19.56	11376	BB	1.129481E-03	4,4'-DDE
10	20.35	1016619	BB	1.520263E-01	Endrin
11	21.45	10388	BB	1.257209E-03	4,4'-DDD
12	21.71	102273	BB	1.249331E-02	Endrin aldehyde
13	22.97	1870100	BB	3.142292E-01	4,4'-DDT
14	24.15	44209	BB	1.020957E-02	
15	24.58	85134	BB	8.366859E-03	Endrin ketone
16	25.44	1552706	BB	1.552706E+06	Methoxychlor
17	26.23	17838	BB	4.119623E-03	
18	31.75	314686	BB	2.344443E-02	Decachlorobiphenyl

Total Area : 6963750 Total NG : 1552707.000

COPY

ORIGINAL IS FILED IN CSF 18075

COLUMN ID:HP5890XB RTx5 .53MM
SampleName : PEMB1 (P1273B1) 1UL ASP
Method : /METHODS/XBIAIB427.MTH
Injected on :Wed May 13, 1992 5:20:33 pm
Report File : /DATA/LOOP/FORMAT/GSHORT_AREA.FMT



COPY
ORIGINAL IS FILED IN CSF 18075

COLUMN ID:HP5890XB RTx5 .53MM
Sample Name : PEMB7 (P1273B7) 1UL TMB Report No : 10.00

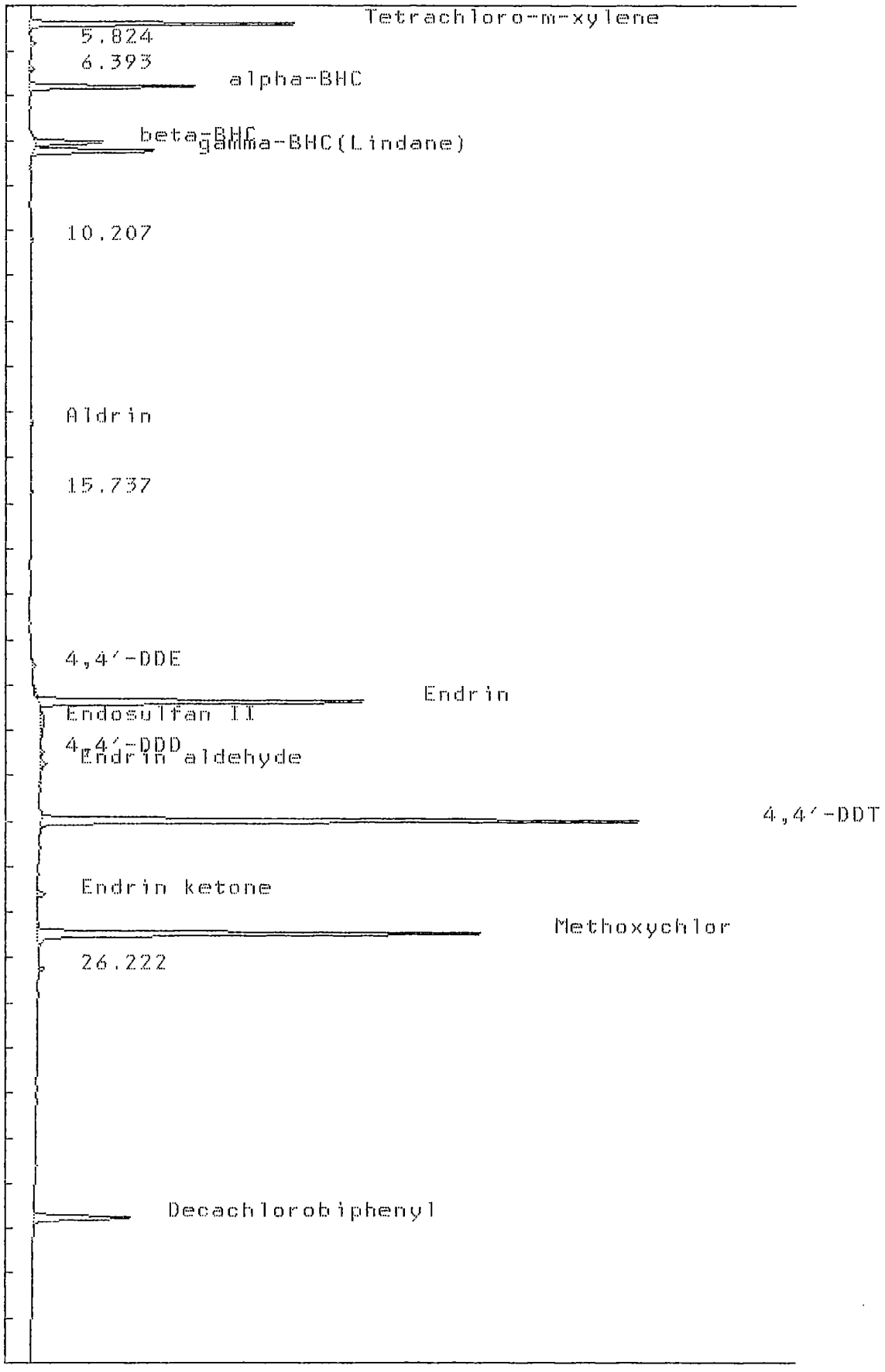
Peak Processor : Genie Multilevel : False
Instrument : XB Application : Loop
Calculation : ExternalSTD Quantitation : AreaUnits
Result File : /XB/XB518003.RES
Run Time : 35.00 Minutes Injected on Mon May 18, 1992 6:46:11 p

Run Status : RunStatusOK

Pk#	RT	Area	Code	NG	NAME
1	3.23	14276	BB	3.296789E-03	
2	4.36	19747	BB	4.560368E-03	
3	5.37	681784	BB	4.818755E-02	Tetrachloro-m-xylene
4	5.82	18648	BB	4.306599E-03	
5	6.39	9431	BB	2.177909E-03	
6	6.77	480734	BB	4.060338E-02	alpha-BHC
7	8.02	229110	BB	3.141735E-02	beta-BHC
8	8.21	426513	BB	3.161769E-02	gamma-BHC(Lindane)
9	10.21	8440	BB	1.949120E-03	
10	14.21	13398	BB	1.206938E-03	Aldrin
11	15.74	9153	BB	2.113858E-03	
12	19.56	9444	BB	9.377075E-04	4,4'-DDE
13	20.35	1159842	BB	1.734439E-01	Endrin
14	20.79	62831	BB	5.992185E-03	Endosulfan II
15	21.47	13806	BB	1.670837E-03	4,4'-DDD
16	21.73	38850	BB	4.745814E-03	Endrin aldehyde
17	22.96	2032936	BB	3.415902E-01	4,4'-DDT
18	24.59	29953	BB	2.943780E-03	Endrin ketone
19	25.44	1590078	BB	1.590078E+06	Methoxychlor
20	26.22	19013	BB	4.390862E-03	
21	31.74	362116	BB	2.697794E-02	Decachlorobiphenyl

Total Area : 7230102 Total NG : 1590079.000

COLUMN ID:HP5890XB RTx5 .53MM
SampleName : PEMB7 (P1273B7) 1UL TMB
Method : /METHODS/XBIAIB514.MTH
Injected on :Mon May 18, 1992 6:46:11 pm
Report File : /DATA/LOOP/FORMAT/GSHORT_AREA.FMT



COLUMN ID:HP5890XB RTx5 .53MM
Sample Name : PEMB8 (P1273B8) 1UL TMB Report No : 35.00

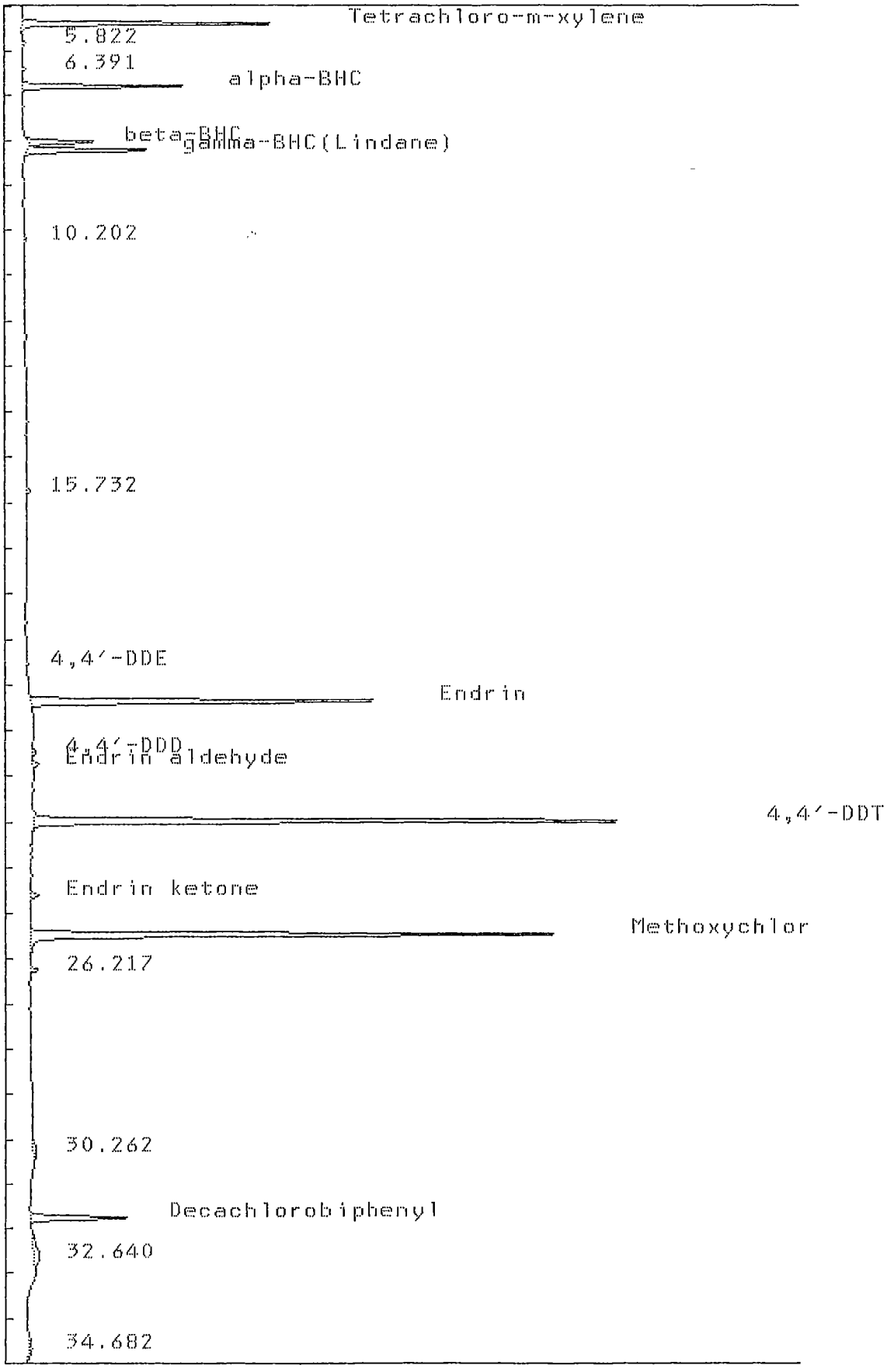
Peak Processor : Genie Multilevel : False
Instrument : XB Application : Loop
Calculation : ExternalSTD Quantitation : AreaUnits
Result File : /XB/XB518028.RES
Run Time : 35.00 Minutes Injected on Tue May 19, 1992 12:53:54 p

Run Status : RunStatusOK
EndOffBaseline

Pk#	RT	Area	Code	NG	NAME
1	5.36	709539	BB	5.014925E-02	Tetrachloro-m-xylene
2	5.82	8914	BB	2.058600E-03	
3	6.39	9857	BB	2.276446E-03	
4	6.77	495802	BB	4.187603E-02	alpha-BHC
5	8.02	238013	BB	3.263830E-02	beta-BHC
6	8.21	444854	BB	3.297732E-02	gamma-BHC(Lindane)
7	10.20	8859	BB	2.045849E-03	
8	15.73	9441	BB	2.180322E-03	
9	19.54	9390	BB	9.323074E-04	4,4'-DDE
10	20.34	1306507	BB	1.953764E-01	Endrin
11	21.46	14223	BB	1.721388E-03	4,4'-DDD
12	21.73	23316	BB	2.848233E-03	Endrin aldehyde
13	22.96	2241923	BB	3.767059E-01	4,4'-DDT
14	24.58	32918	BB	3.235182E-03	Endrin ketone
15	25.43	1999836	BB	1.999836E+06	Methoxychlor
16	26.22	23925	BB	5.525133E-03	
17	30.26	43270	BB	9.992840E-03	
18	31.74	371977	BB	2.771263E-02	Decachlorobiphenyl
19	32.64	113435	BB	2.619663E-02	
20	34.68	33585	BB	7.756033E-03	

Total Area : 8139588 Total NG : 1999837.000

COLUMN ID:HP5890XB RTx5 .53MM
SampleName : PEMB8 (P1273B8) 1UL TMB
Method : /METHODS/XBIAIB514.MTH
Injected on :Tue May 19, 1992 12:53:54 pm
Report File : /DATA/LOOP/FORMAT/GSHORT_AREA.FMT



COLUMN ID: HP5890XA RTx1701 0.53MM
Sample Name : INDALA1 (P1238A1) 1UL ASP Report No :248.10

Peak Processor : Genie Multilevel : False
Instrument : XA Application : Loop
Calculation : ExternalSTD Quantitation : AreaUnits
Result File : /XA/XA512012.RES
Run Time : 35.02 Minutes Injected on Wed May 13, 1992 11:07:17 p

Run Status : SignalOverload

Pk#	RT	Area	Code	NG	NAME
1	3.87	11900	BB	2.748206E-03	
2	4.16	10099	BB	2.332164E-03	
3	4.34	69064	BB	1.594954E-02	
4	4.58	19207	BB	4.435567E-03	
5	5.58	78313	BB	4.144074E-03	Tetrachloro-m-xylene
6	9.76	70702	BB	4.432589E-03	alpha-BHC
7	12.41	71491	BB	4.047588E-03	gamma-BHC(Lindane)
8	13.65	93585	BB	6.094745E-03	Heptachlor
9	17.22	21812	BB	5.037155E-03	
10	19.86	62862	BB	4.497053E-03	Endosulfan I
11	21.49	114854	BB	9.447474E-03	Dieldrin
12	22.34	103851	BB	1.183699E-02	Endrin
13	24.52	73675	BB	8.320823E-03	4,4'-DDD
14	25.15	76331	BB	2.786321E-02	4,4'-DDT
15	27.75	194179	BB	7.197282E-02	Methoxychlor
16	32.50	138324	BB	1.026351E-02	Decachlorobiphenyl

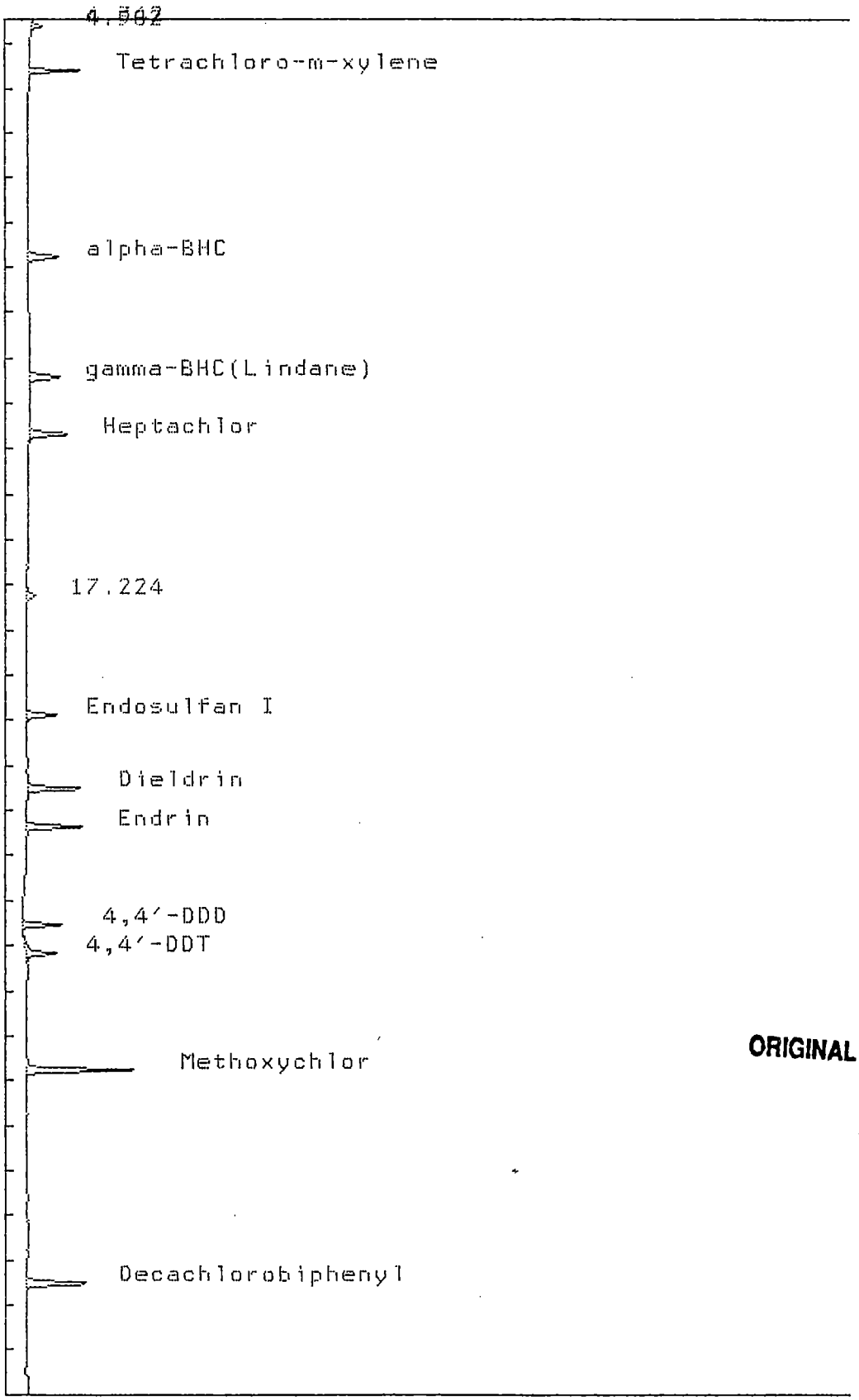
Total Area : 1210248 Total NG : .193

COPY

ORIGINAL IS FILED IN CSF 18075

COLUMN ID: HP5890XA RTx1701 0.53MM

SampleName : INDALA1 (P1238A1) 1UL ASP
Method : /methods/XAIAMCOPY.MTH
Injected on :Wed May 13, 1992 11:07:17 pm
Report File : /DATA/LOOP/FORMAT/GSHORT_AREA.FMT



COPY
ORIGINAL IS FILED IN CSF 18075

COLUMN ID: HP5890XA RTx1701 0.53MM
Sample Name : INDAMA1 (P1239A1) 1UL ASP Report No :250.10

Peak Processor : Genie Multilevel : False
Instrument : XA Application : Loop
Calculation : ExternalSTD Quantitation : AreaUnits
Result File : /XA/XA512014.RES
Run Time : 35.02 Minutes Injected on Thu May 14, 1992 12:32:52 a

Run Status : EndOffBaseline
SignalOverload

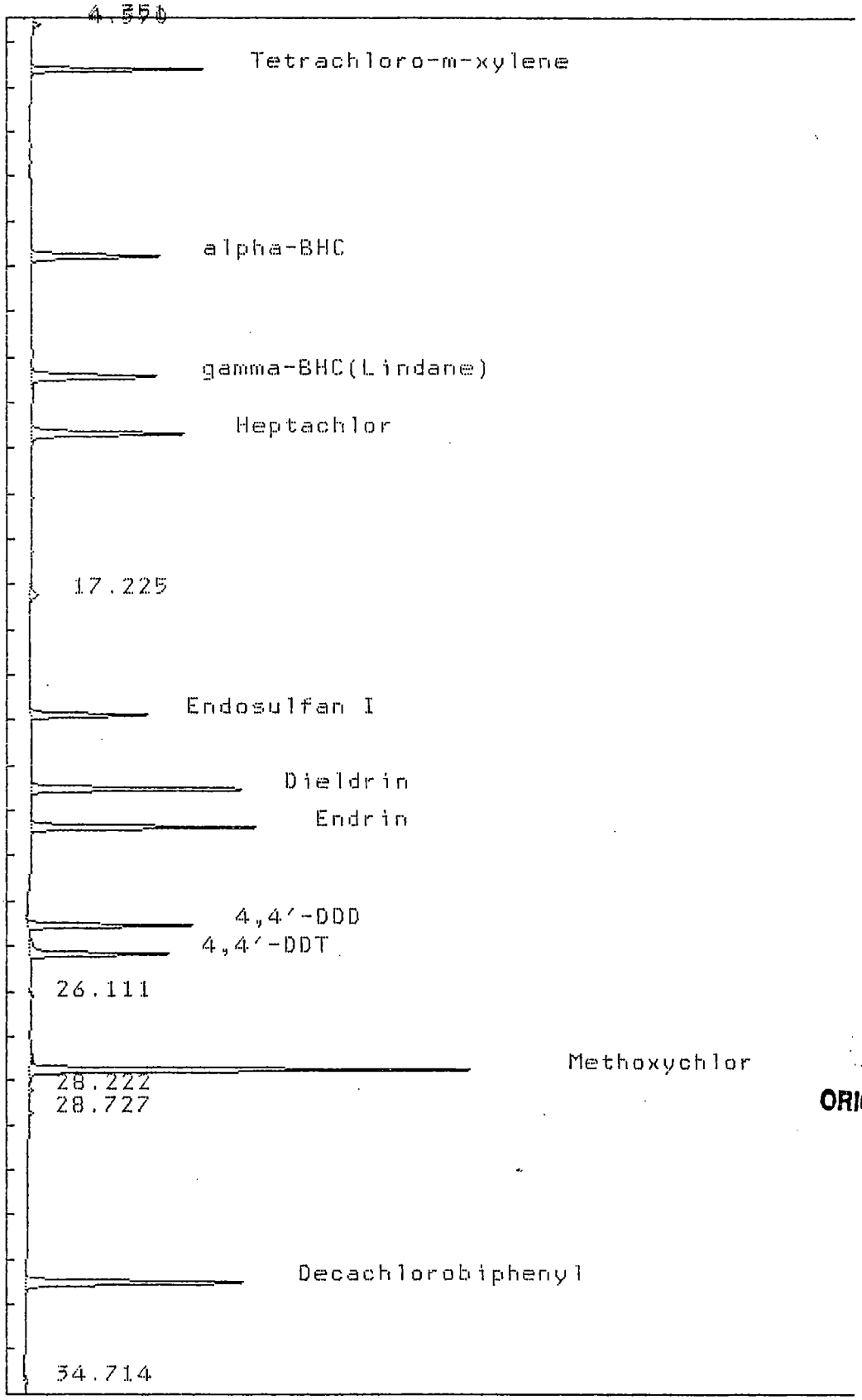
Pk#	RT	Area	Code	NG	NAME
1	3.88	7537	BB	1.740696E-03	
2	4.17	6685	BB	1.543867E-03	
3	4.35	45878	BB	1.059518E-02	
4	4.59	12212	BB	2.820130E-03	
5	5.59	282703	BB	1.495967E-02	Tetrachloro-m-xylene
6	9.77	292170	BB	1.831744E-02	alpha-BHC
7	12.42	295545	BB	1.673288E-02	gamma-BHC(Lindane)
8	13.66	352413	BB	2.295085E-02	Heptachlor
9	17.23	25968	BB	5.997122E-03	
10	19.87	238768	BB	1.708106E-02	Endosulfan I
11	21.50	461297	BB	3.794470E-02	Dieldrin
12	22.35	420503	BB	4.792938E-02	Endrin
13	24.52	300384	BB	3.392512E-02	4,4'-DDD
14	25.15	277152	BB	1.011688E-01	4,4'-DDT
15	26.11	6249	BB	1.443058E-03	
16	27.75	825911	BB	3.061256E-01	Methoxychlor
17	28.22	5693	BB	1.314781E-03	
18	28.73	8426	BB	1.945852E-03	
19	32.50	503500	BB	3.735922E-02	Decachlorobiphenyl
20	34.71	8895	BB	2.054269E-03	

Total Area : 4377890 Total NG : .684

COPY

ORIGINAL IS FILED IN CSF 18075

COLUMN ID: HP5890XA RTx1701 0.53MM
SampleName : INDAMA1 (P1239A1) 1UL ASP
Method : /methods/XAIAMCOPY.MTH
Injected on :Thu May 14, 1992 12:32:52 am
Report File : /DATA/LOOP/FORMAT/GSHORT_AREA.FMT



COPY
ORIGINAL IS FILED IN CSF 18075

COLUMN ID: HP5890XA RTx1701 0.53MM
Sample Name : INDAHA1 (P1240A1) 1UL ASP Report No :252.10

Peak Processor : Genie Multilevel : False
Instrument : XA Application : Loop
Calculation : ExternalSTD Quantitation : AreaUnits
Result File : /XA/XA512016.RES
Run Time : 35.00 Minutes Injected on Thu May 14, 1992 1:59:54 a

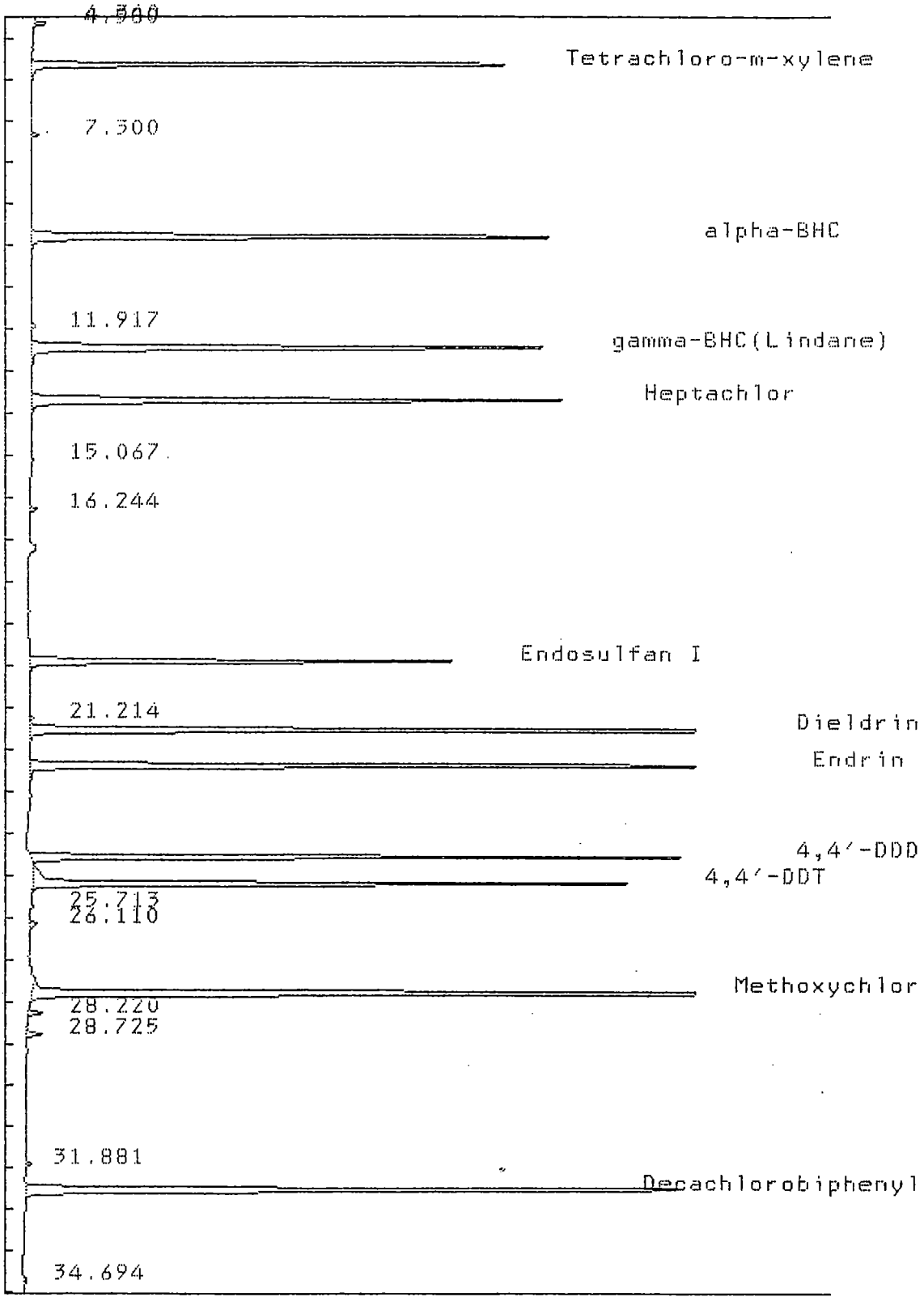
Run Status : SignalOverload

Pk#	RT	Area	Code	NG	NAME
1	3.87	12761	BB	2.947106E-03	
2	4.16	12738	BB	2.941638E-03	
3	4.34	80825	BB	1.866579E-02	
4	4.58	23251	BB	5.369631E-03	
5	5.58	996018	BB	5.270577E-02	Tetrachloro-m-xylene
6	7.30	13300	BB	3.071577E-03	
7	9.75	1295295	BB	8.120775E-02	alpha-BHC
8	11.92	9060	BB	2.092222E-03	
9	12.40	1246759	BB	7.058786E-02	gamma-BHC(Lindane)
10	13.65	1315988	BB	8.570360E-02	Heptachlor
11	15.07	6755	BB	1.560000E-03	
12	16.24	16602	BB	3.834124E-03	
13	19.86	900964	BB	6.445351E-02	Endosulfan I
14	21.21	5860	BB	1.353279E-03	
15	21.49	1813386	BB	1.491630E-01	Dieldrin
16	22.34	1648140	BB	1.878567E-01	Endrin
17	24.51	1236946	BB	1.396995E-01	4,4'-DDD
18	25.15	1190729	BB	4.346520E-01	4,4'-DDT
19	25.71	5972	BB	1.379278E-03	
20	26.11	18473	BB	4.266211E-03	
21	27.74	3067453	BB	1.136958E+00	Methoxychlor
22	28.22	25068	BB	5.789248E-03	
23	28.73	28304	BB	6.536434E-03	
24	31.88	11252	BB	2.598423E-03	
25	32.50	1707534	BB	1.266973E-01	Decachlorobiphenyl
26	34.69	5388	BB	1.244406E-03	

Total Area : 16694826 Total NG : 2.593

COPY
ORIGINAL IS FILED IN CSF 18075

COLUMN ID: HP5890XA RTx1701 0.53MM
SampleName : INDAHA1 (P1240A1) 1UL ASP
Method : /methods/XAIAMCOPY.MTH
Injected on :Thu May 14, 1992 1:59:54 am
Report File : /DATA/LOOP/FORMAT/GSHORT_AREA.FMT



COPY

ORIGINAL IS FILED IN CSF 18075

COLUMN ID: HP5890XB RTx5 0.53MM
Sample Name : INDALB1 (P1238B1) 1UL ASP Report No :248.00

Peak Processor : Genie Multilevel : False
Instrument : XB Application : Loop
Calculation : ExternalSTD Quantitation : AreaUnits
Result File : /XB/XB512012.RES
Run Time : 35.02 Minutes Injected on Wed May 13, 1992 11:07:17 p

Run Status : SignalOverload

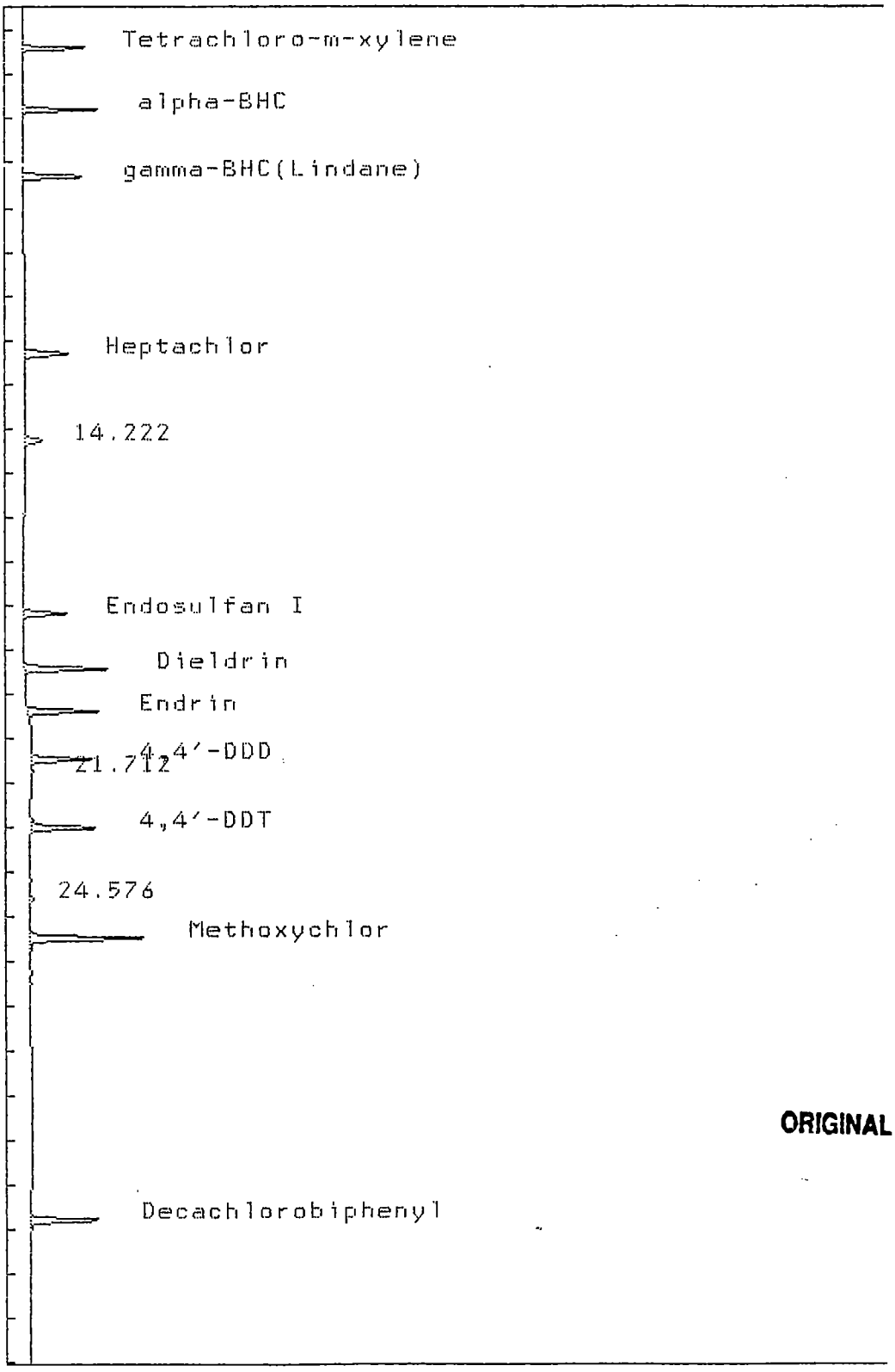
Pk#	RT	Area	Code	NG	NAME
1	5.37	198516	BB	1.403084E-02	Tetrachloro-m-xylene
2	6.77	226911	BB	1.916520E-02	alpha-BHC
3	8.21	227866	BB	1.689186E-02	gamma-BHC(Lindane)
4	12.26	201982	BB	1.565271E-02	Heptachlor
5	14.22	91254	BB	2.107421E-02	
6	18.14	169147	BB	1.410270E-02	Endosulfan I
7	19.39	319748	BB	2.981880E-02	Dieldrin
8	20.35	260931	BB	3.901982E-02	Endrin
9	21.43	219509	BB	2.656633E-02	4,4'-DDD
10	21.71	11287	BB	2.606563E-03	
11	22.96	233560	BB	3.924465E-02	4,4'-DDT
12	24.58	14236	BB	3.287734E-03	
13	25.44	425562	BB	1.150331E-01	Methoxychlor
14	31.74	294420	BB	2.193458E-02	Decachlorobiphenyl

Total Area : 2894929 Total NG : .378

COPY

ORIGINAL IS FILED IN CSF 18075

COLUMN ID: HP5890XB RTx5 0.53MM
SampleName : INDALB1 (P1238B1) 1UL ASP
Method : /METHODS/XBIAMCOPY.MTH
Injected on :Wed May 13, 1992 11:07:17 pm
Report File : /DATA/LOOP/FORMAT/GSHORT_AREA.FMT



COPY
ORIGINAL IS FILED IN CSF 18075

COLUMN ID: HP5890XB RTx5 0.53MM
Sample Name : INDAMB1 (P1239B1) 1UL ASP Report No :250.00

Peak Processor : Genie Multilevel : False
Instrument : XB Application : Loop
Calculation : ExternalSTD Quantitation : AreaUnits
Result File : /XB/XB512014.RES
Run Time : 35.02 Minutes Injected on Thu May 14, 1992 12:32:52 a

Run Status : SignalOverload

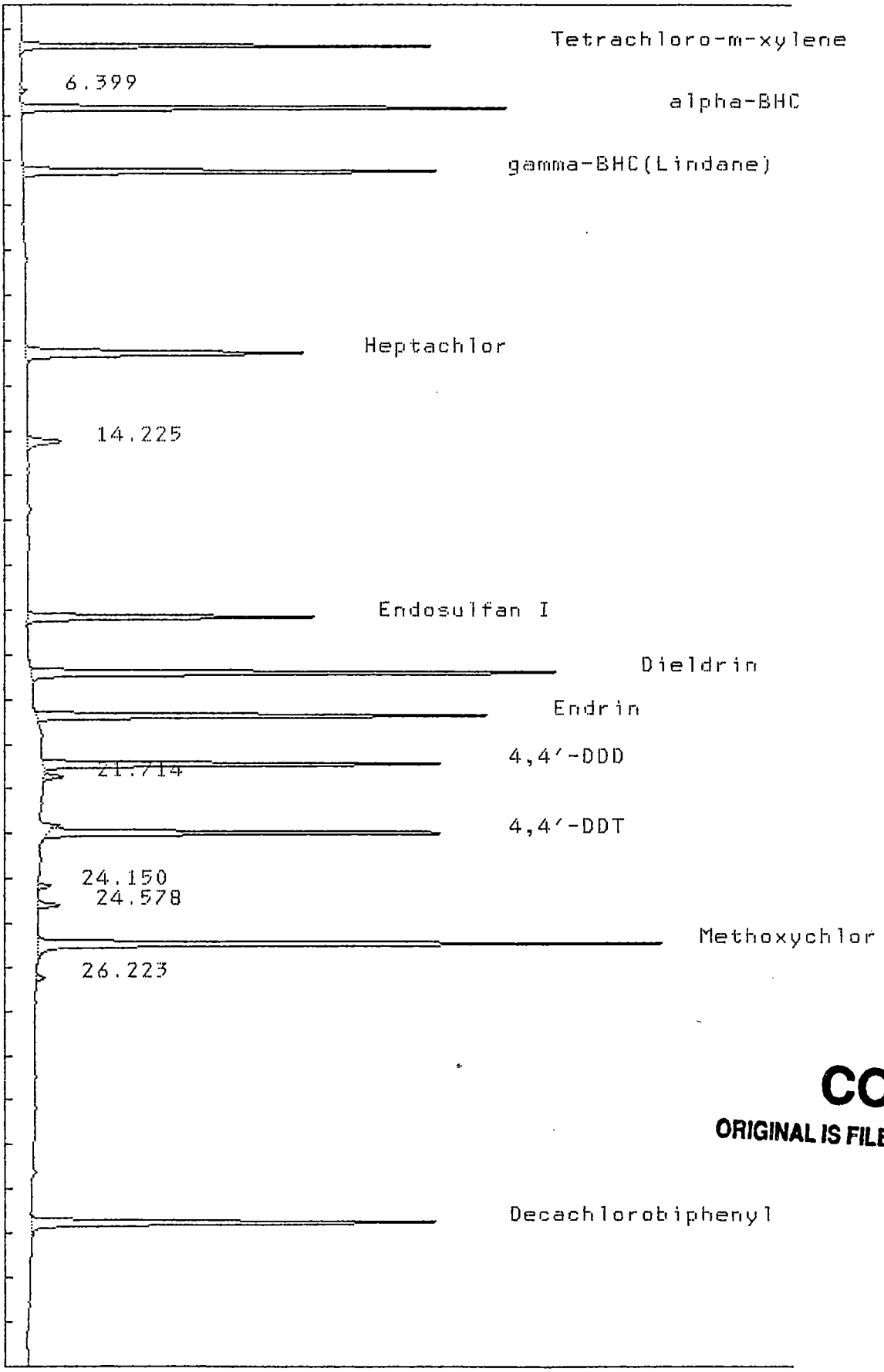
Pk#	RT	Area	Code	NG	NAME
1	5.37	666766	BB	4.712610E-02	Tetrachloro-m-xylene
2	6.40	9598	BB	2.216612E-03	
3	6.78	897290	BB	7.578623E-02	alpha-BHC
4	8.22	877986	BB	6.508562E-02	gamma-BHC(Lindane)
5	12.27	731698	BB	5.670344E-02	Heptachlor
6	14.22	99440	BB	2.296459E-02	
7	18.14	620355	BB	5.172233E-02	Endosulfan I
8	19.39	1191850	BB	1.111487E-01	Dieldrin
9	20.35	961446	BB	1.437756E-01	Endrin
10	21.43	834474	BB	1.009930E-01	4,4'-DDD
11	21.71	37908	BB	8.754488E-03	
12	22.97	861743	BB	1.447971E-01	4,4'-DDT
13	24.15	26747	BB	6.176904E-03	
14	24.58	49987	BB	1.154394E-02	
15	25.44	1426104	BB	3.854887E-01	Methoxychlor
16	26.22	16638	BB	3.842438E-03	
17	31.74	956626	BB	7.126954E-02	Decachlorobiphenyl

Total Area : 10266658 Total NG : 1.309

COPY
ORIGINAL IS FILED IN CSF 18075

COLUMN ID: HP5890XB RTx5 0.53MM

SampleName : INDAMB1 (P1239B1) 1UL ASP
Method : /METHODS/XBIAMCOPY.MTH
Injected on :Thu May 14, 1992 12:32:52 am
Report File : /DATA/LOOP/FORMAT/GSHORT_AREA.FMT



COPY
ORIGINAL IS FILED IN CSF 18075

COLUMN ID: HP5890XB RTx5 0.53MM
Sample Name : INDAHB1 (P1240B1) 1UL ASP Report No :252.00

Peak Processor : Genie Multilevel : False
Instrument : XB Application : Loop
Calculation : ExternalSTD Quantitation : AreaUnits
Result File : /XB/XB512016.RES
Run Time : 35.00 Minutes Injected on Thu May 14, 1992 1:59:54 a

Run Status : SignalOverload

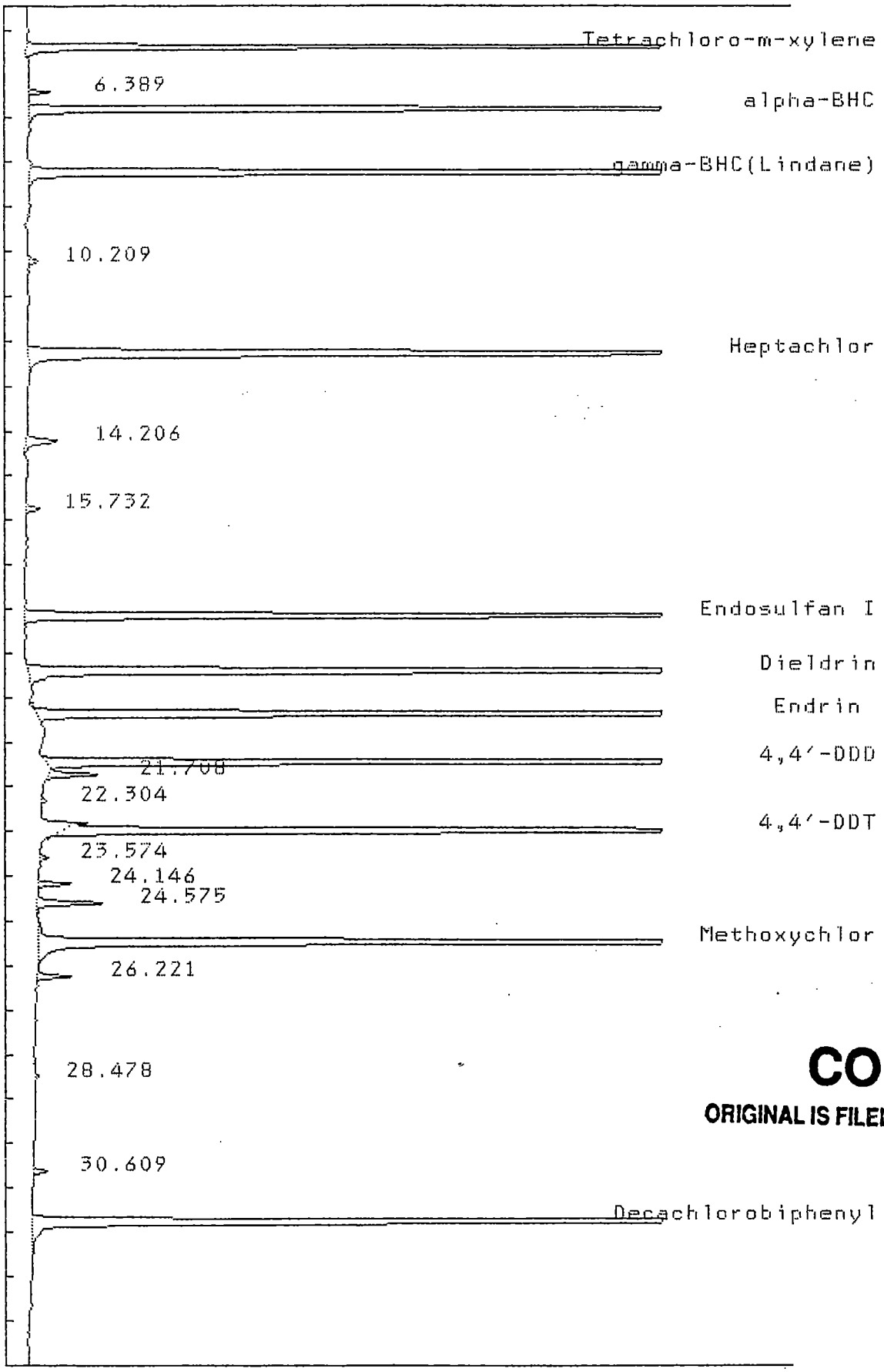
Pk#	RT	Area	Code	NG	NAME
1	5.36	2146965	BB	1.517445E-01	Tetrachloro-m-xylene
2	6.39	36165	BB	8.352043E-03	
3	6.77	3258104	BB	2.751834E-01	alpha-BHC
4	8.21	3132958	BB	2.322480E-01	gamma-BHC(Lindane)
5	10.21	23199	BB	5.357488E-03	
6	12.25	2487180	BB	1.927457E-01	Heptachlor
7	14.21	99511	BB	2.298117E-02	
8	15.73	30992	BB	7.157249E-03	
9	18.14	2103074	BB	1.753446E-01	Endosulfan I
10	19.38	4026601	BB	3.755100E-01	Dieldrin
11	20.34	3183119	BB	4.760068E-01	Endrin
12	21.42	2892522	BB	3.500462E-01	4,4'-DDD
13	21.71	97518	BB	2.252092E-02	
14	22.30	9264	BB	2.139519E-03	
15	22.96	3014846	BB	5.065786E-01	4,4'-DDT
16	23.57	16574	BB	3.827509E-03	
17	24.15	67214	BB	1.552249E-02	
18	24.58	150694	BB	3.480139E-02	
19	25.44	4643175	BB	1.255092E+00	Methoxychlor
20	26.22	65653	BB	1.516201E-02	
21	28.48	10808	BB	2.495897E-03	
22	30.61	27600	BB	6.373982E-03	
23	31.74	3007385	BB	2.240529E-01	Decachlorobiphenyl

Total Area : 34530936 Total NG : 4.361

COPY

ORIGINAL IS FILED IN CSF 18075

COLUMN ID: HP5890XB RTx5 0.53MM
SampleName : INDAHB1 (P1240B1) 1UL ASP
Method : /METHODS/XBIAMCOPY.MTH
Injected on :Thu May 14, 1992 1:59:54 am
Report File : /DATA/LOOP/FORMAT/GSHORT_AREA.FMT



COPY

ORIGINAL IS FILED IN CSF 18075

COLUMN ID:HP5890XA RTx1701 0.53MM
Sample Name : INDBLA1 (P1241A1) 1UL ASP Report No :249.10

Peak Processor : Genie Multilevel : False
Instrument : XA Application : Loop
Calculation : ExternalSTD Quantitation : AreaUnits
Result File : /XA/XA512013.RES
Run Time : 35.00 Minutes Injected on Wed May 13, 1992 11:49:25 p

Run Status : SignalOverload

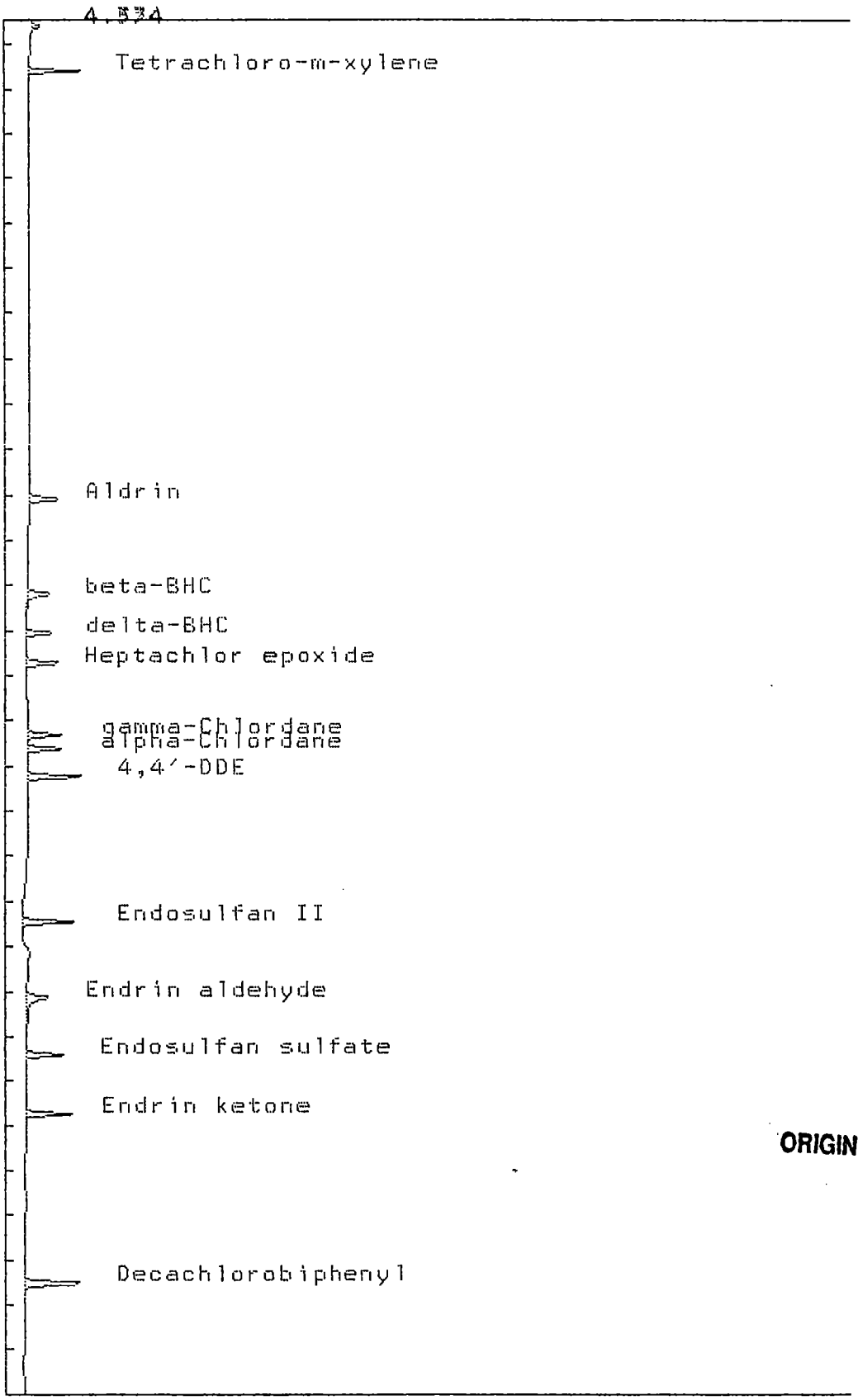
Pk#	RT	Area	Code	NG	NAME
1	3.86	11015	BB	2.545707E-03	
2	4.16	9226	BB	2.130622E-03	
3	4.33	56470	BB	1.304120E-02	
4	4.57	12274	BB	2.834572E-03	
5	5.58	83117	BB	4.976847E-03	Tetrachloro-m-xylene
6	15.07	70970	BB	4.290301E-03	Aldrin
7	17.16	61242	BB	7.448170E-03	beta-BHC
8	18.03	53294	BB	3.574471E-03	delta-BHC
9	18.70	74312	BB	4.968163E-03	Heptachlor epoxide
10	20.29	67359	BB	4.520494E-03	gamma-Chlordane
11	20.60	70857	BB	5.398460E-03	alpha-Chlordane
12	21.21	109600	BB	7.590544E-03	4,4'-DDE
13	24.43	101556	BB	9.116082E-03	Endosulfan II
14	26.11	75701	BB	1.029311E-02	Endrin aldehyde
15	27.39	71442	BB	7.144164E+04	Endosulfan sulfate
16	28.73	86658	BB	9.937372E-03	Endrin ketone
17	32.50	132027	BB	1.133583E-02	Decachlorobiphenyl

Total Area : 1147119 Total NG : 71441.750

COPY

ORIGINAL IS FILED IN CSF 18075

COLUMN ID:HP5890XA RTx1701 0.53MM
SampleName : INDBLA1 (P1241A1) 1UL ASP
Method : /methods/XAIBMCOPY.MTH
Injected on :Wed May 13, 1992 11:49:25 pm
Report File : /DATA/LOOP/FORMAT/GSHORT_AREA.FMT



COPY
ORIGINAL IS FILED IN CSF 18075

COLUMN ID:HP5890XA RTx1701 0.53MM
Sample Name : INDBMA1 (P1242A1) 1UL ASP Report No :251.10

Peak Processor : Genie Multilevel : False
Instrument : XA Application : Loop
Calculation : ExternalSTD Quantitation : AreaUnits
Result File : /XA/XA512015.RES
Run Time : 35.00 Minutes Injected on Thu May 14, 1992 1:16:24 a

Run Status : SignalOverload

Pk#	RT	Area	Code	NG	NAME
1	3.87	8110	BB	1.873034E-03	
2	4.34	45625	BB	1.053673E-02	
3	4.58	12071	BB	2.787718E-03	
4	5.59	307618	BB	1.841934E-02	Tetrachloro-m-xylene
5	15.08	286562	BB	1.732332E-02	Aldrin
6	17.17	190615	BB	2.318224E-02	beta-BHC
7	18.04	228043	BB	1.529508E-02	delta-BHC
8	18.71	275927	BB	1.844711E-02	Heptachlor epoxide
9	20.30	255592	BB	1.715297E-02	gamma-Chlordane
10	20.61	268988	BB	2.049361E-02	alpha-Chlordane
11	21.22	455901	BB	3.157417E-02	4,4'-DDE
12	24.44	403081	BB	3.618237E-02	Endosulfan II
13	25.08	25755	BB	5.947760E-03	
14	26.12	300795	BB	4.089937E-02	Endrin aldehyde
15	27.39	294839	BB	2.948387E+05	Endosulfan sulfate
16	28.74	365673	BB	4.193315E-02	Endrin ketone
17	32.50	490553	BB	4.211889E-02	Decachlorobiphenyl

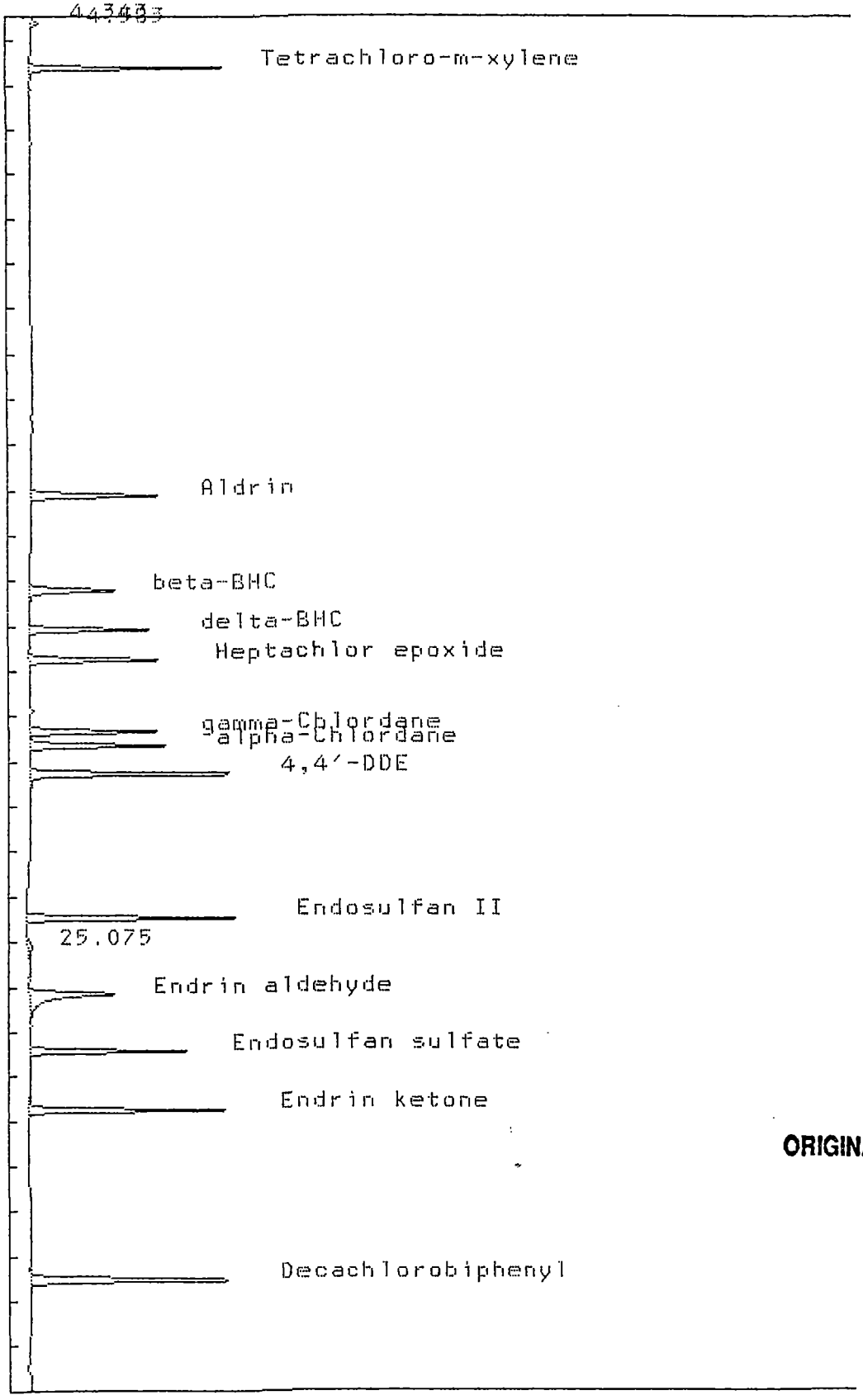
Total Area : 4215748 Total NG : 294839.100

COPY

ORIGINAL IS FILED IN CSF 18075

COLUMN ID:HP5890XA RTx1701 0.53MM

SampleName : INDBMA1 (P1242A1) 1UL ASP
Method : /methods/XAIBMCOPY.MTH
Injected on :Thu May 14, 1992 1:16:24 am
Report File : /DATA/LOOP/FORMAT/GSHORT_AREA.FMT



COPY

ORIGINAL IS FILED IN CSF 18075

COLUMN ID:HP5890XA RTx1701 0.53MM

Sample Name : INDBH~~B~~A1 (P1243~~B~~A1) 1UL ASP Report No :253.10

jp 5/15/92

Peak Processor : Genie Multilevel : False
Instrument : XA Application : Loop
Calculation : ExternalSTD Quantitation : AreaUnits
Result File : /XA/XA512017.RES
Run Time : 35.00 Minutes Injected on Thu May 14, 1992 2:43:25 a

Run Status : EndOffBaseline
SignalOverload

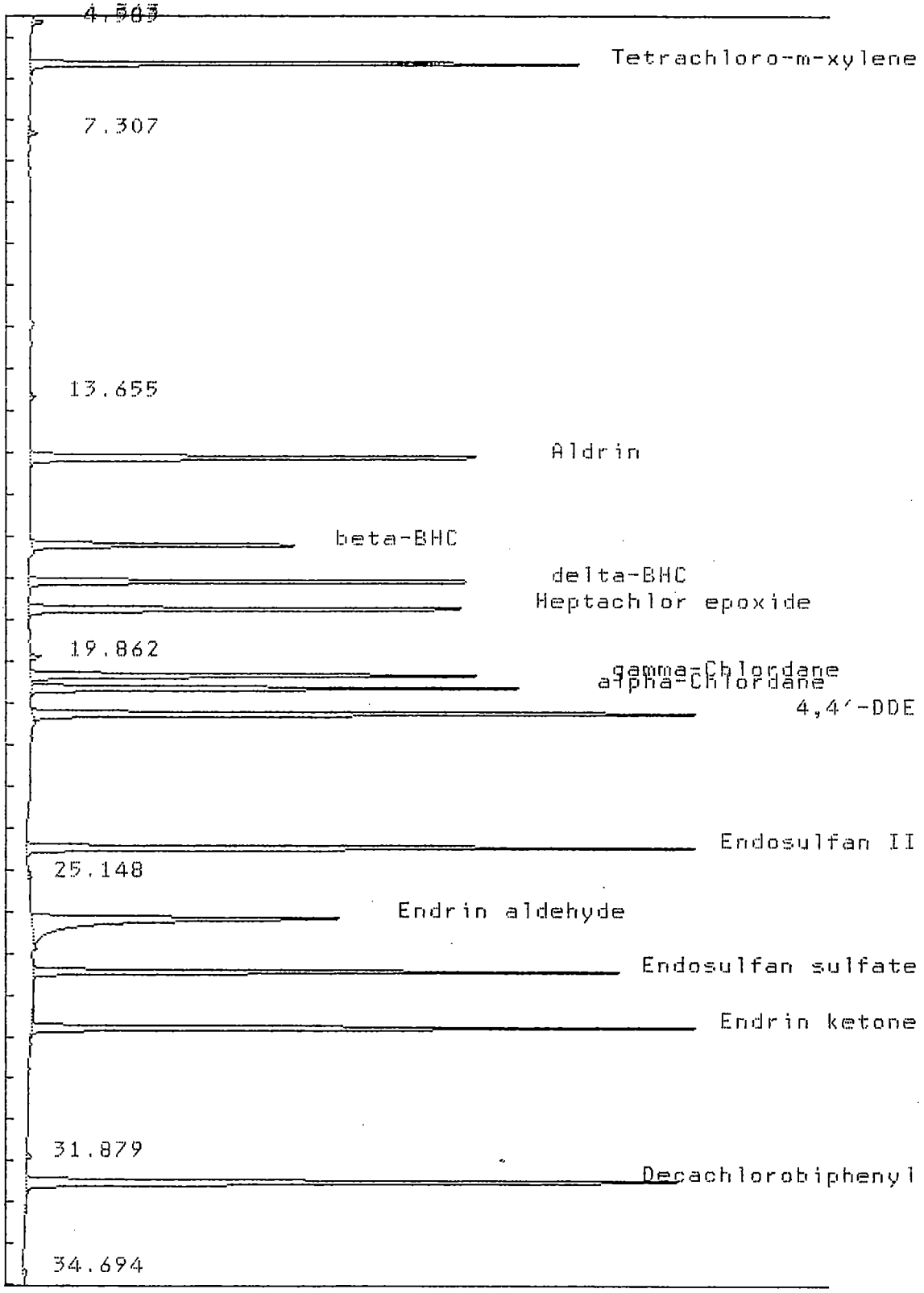
Pk#	RT	Area	Code	NG	NAME
1	3.87	14092	BB	3.254411E-03	
2	4.17	12054	BB	2.783705E-03	
3	4.34	72652	BB	1.677822E-02	
4	4.58	21845	BB	5.044962E-03	
5	5.59	1055565	BB	6.320441E-02	Tetrachloro-m-xylene
6	7.31	14540	BB	3.357868E-03	
7	13.66	11431	BB	2.639875E-03	
8	15.08	1152746	BB	6.968614E-02	Aldrin
9	17.17	615625	BB	7.487111E-02	beta-BHC
10	18.04	1004429	BB	6.736808E-02	delta-BHC
11	18.70	1032433	BB	6.902345E-02	Heptachlor epoxide
12	19.86	23639	BB	5.459133E-03	
13	20.30	957590	BB	6.426455E-02	gamma-Chlordane
14	20.60	999178	BB	7.612522E-02	alpha-Chlordane
15	21.22	1730171	BB	1.198260E-01	4,4'-DDE
16	24.43	1523322	BB	1.367403E-01	Endosulfan II
17	25.15	16311	BB	3.766845E-03	
18	26.11	1097909	BB	1.492839E-01	Endrin aldehyde
19	27.39	1165559	BB	1.165559E+06	Endosulfan sulfate
20	28.73	1445548	BB	1.657667E-01	Endrin ketone
21	31.88	10779	BB	2.489242E-03	
22	32.49	1672187	BB	1.435740E-01	Decachlorobiphenyl
23	34.69	12149	BB	2.805741E-03	

Total Area : 15661760 Total NG : 1165560.000

COPY

ORIGINAL IS FILED IN CSF 18075

COLUMN ID:HP5890XA RTx1701 0.53MM MP 5/15/92
SampleName : INDBH~~B~~1 (P1243~~B~~1) 1UL ASP
Method : /methods/XAIBMCOPY.MTH
Injected on :Thu May 14, 1992 2:43:25 am
Report File : /DATA/LOOP/FORMAT/GSHORT_AREA.FMT



COPY

ORIGINAL IS FILED IN CSF 18075

COLUMN ID:HP5890XB RTx5 0.53MM
Sample Name : INDBLB1 (P1241B1) 1UL ASP Report No :249.20

Peak Processor : Genie Multilevel : False
Instrument : XB Application : Loop
Calculation : ExternalSTD Quantitation : AreaUnits
Result File : /XB/XB512013A.RES
Run Time : 35.00 Minutes Injected on Wed May 13, 1992 11:49:24 p

Run Status : EndOffBaseline
SignalOverload

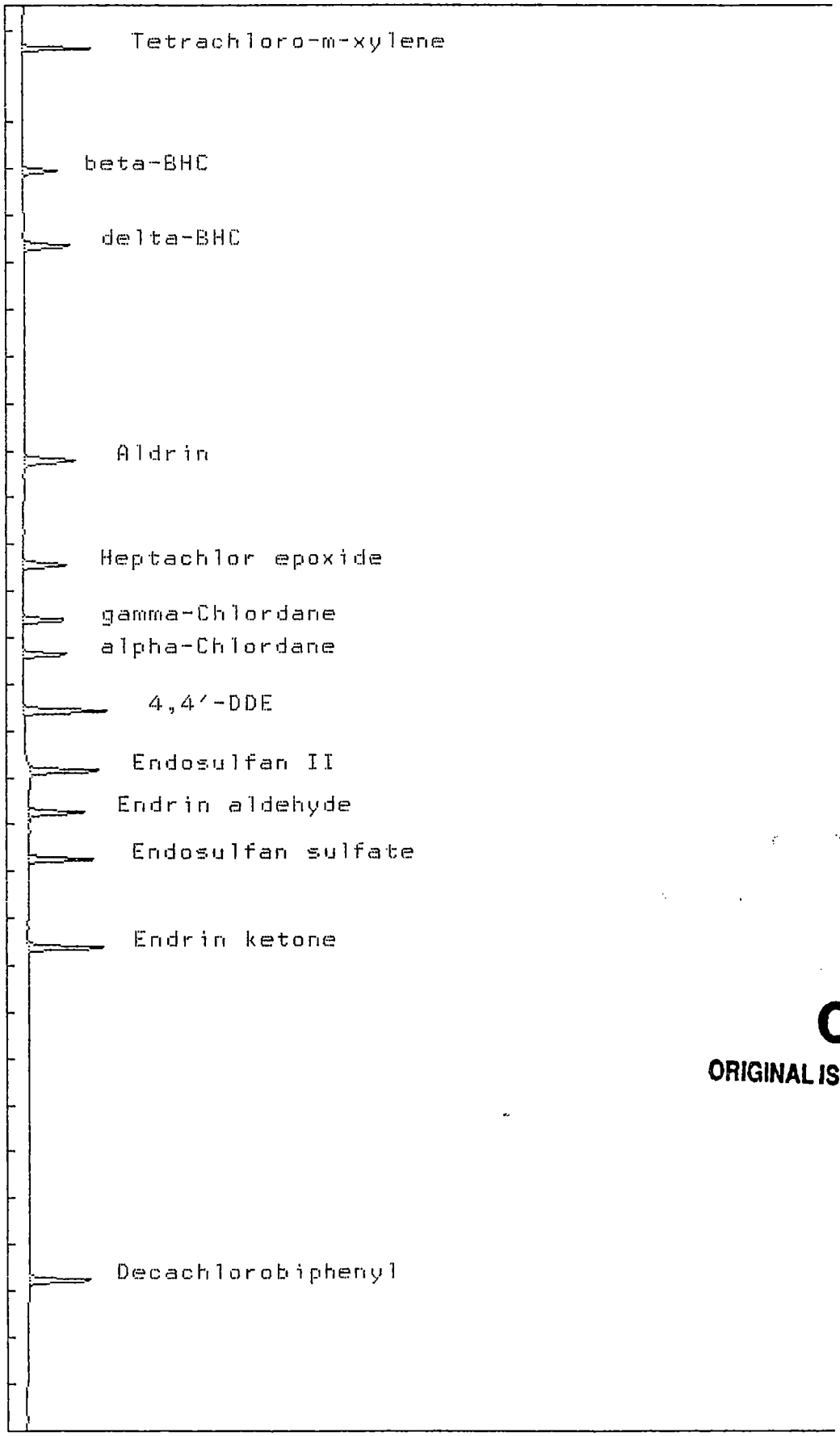
Pk#	RT	Area	Code	NG	NAME
1	5.37	212673	BB	1.594310E-02	Tetrachloro-m-xylene
2	8.02	132151	BB	1.812166E-02	beta-BHC
3	9.64	218206	BB	1.932051E-02	delta-BHC
4	14.19	247914	BB	2.233312E-02	Aldrin
5	16.42	185673	BB	1.455040E-02	Heptachlor epoxide
6	17.61	187426	BB	1.460903E-02	gamma-Chlordane
7	18.35	189698	BB	1.438990E-02	alpha-Chlordane
8	19.56	326127	BB	3.237998E-02	4,4'-DDE
9	20.84	283215	BB	2.701030E-02	Endosulfan II
10	21.73	224325	BB	2.740283E-02	Endrin aldehyde
11	22.72	245361	BB	2.761293E-02	Endosulfan sulfate
12	24.60	292104	BB	2.870770E-02	Endrin ketone
13	31.75	280146	BB	2.082155E-02	Decachlorobiphenyl

Total Area : 3025019 Total NG : .283

COPY

ORIGINAL IS FILED IN CSF 18075

COLUMN ID:HP5890XB RTx5 0.53MM
SampleName : INDBLB1 (P1241B1) 1UL ASP
Method : /METHODS/XBIBMCOPY.MTH
Injected on :Wed May 13, 1992 11:49:24 pm
Report File : /DATA/LOOP/FORMAT/GSHORT_AREA.FMT



COPY
ORIGINAL IS FILED IN CSF 18075

COLUMN ID:HP5890XB RTx5 0.53MM
Sample Name : INDBMB1 (P1242B1) 1UL ASP Report No :251.00

Peak Processor : Genie Multilevel : False
Instrument : XB Application : Loop
Calculation : ExternalSTD Quantitation : AreaUnits
Result File : /XB/XB512015.RES
Run Time : 35.00 Minutes Injected on Thu May 14, 1992 1:16:24 a

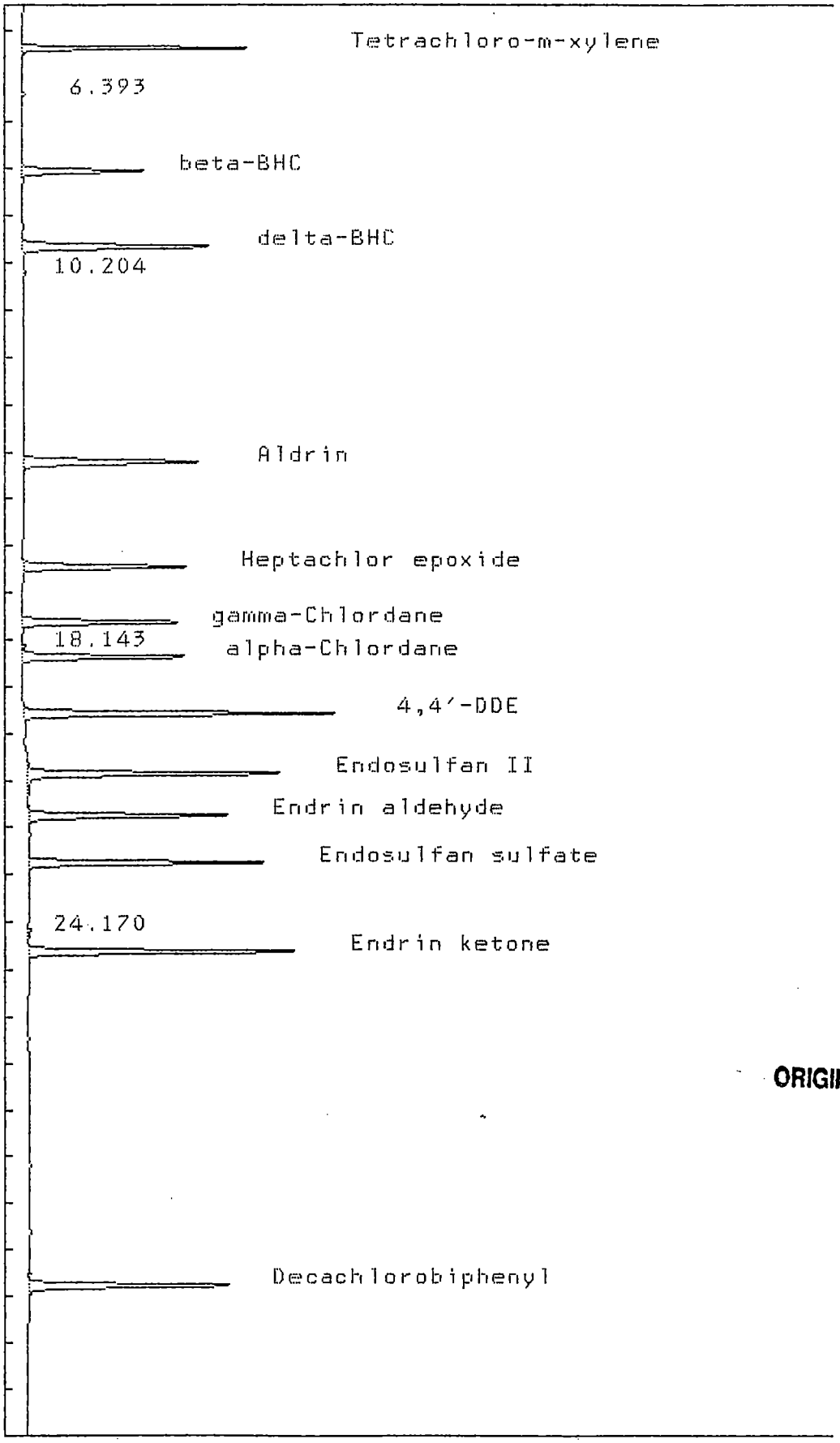
Run Status : EndOffBaseline
SignalOverload

Pk#	RT	Area	Code	NG	NAME
1	5.37	719440	BB	5.393302E-02	Tetrachloro-m-xylene
2	6.39	11057	BB	2.553518E-03	
3	8.02	483504	BB	6.630202E-02	beta-BHC
4	9.64	897950	BB	7.950686E-02	delta-BHC
5	10.20	11731	BB	2.709215E-03	
6	14.19	833315	BB	7.506831E-02	Aldrin
7	16.43	694348	BB	5.441320E-02	Heptachlor epoxide
8	17.61	699695	BB	5.453821E-02	gamma-Chlordane
9	18.14	10828	BB	2.500640E-03	
10	18.35	711495	BB	5.397168E-02	alpha-Chlordane
11	19.56	1213454	BB	1.204795E-01	4,4'-DDE
12	20.84	1112053	BB	1.060568E-01	Endosulfan II
13	21.73	809176	BB	9.884657E-02	Endrin aldehyde
14	22.73	917827	BB	1.032922E-01	Endosulfan sulfate
15	24.17	13966	BB	3.225320E-03	
16	24.60	1074955	BB	1.056454E-01	Endrin ketone
17	31.75	939887	BB	6.985617E-02	Decachlorobiphenyl

Total Area : 11154684 Total NG : 1.053

COPY
ORIGINAL IS FILED IN CSF 18075

COLUMN ID:HP5890XB RTx5 0.53MM
SampleName : INDBMB1 (P1242B1) 1UL ASP
Method : /METHODS/XBIBMCOPY.MTH
Injected on :Thu May 14, 1992 1:16:24 am
Report File : /DATA/LOOP/FORMAT/GSHORT_AREA.FMT



COPY
ORIGINAL IS FILED IN CSF 18075

COLUMN ID:HP5890XB RTx5 0.53MM
Sample Name : INDBHB1 (P1243B1) 1UL ASP Report No :253.00

Peak Processor : Genie Multilevel : False
Instrument : XB Application : Loop
Calculation : ExternalSTD Quantitation : AreaUnits
Result File : /XB/XB512017.RES
Run Time : 35.00 Minutes Injected on Thu May 14, 1992 2:43:25 a

Run Status : SignalOverload

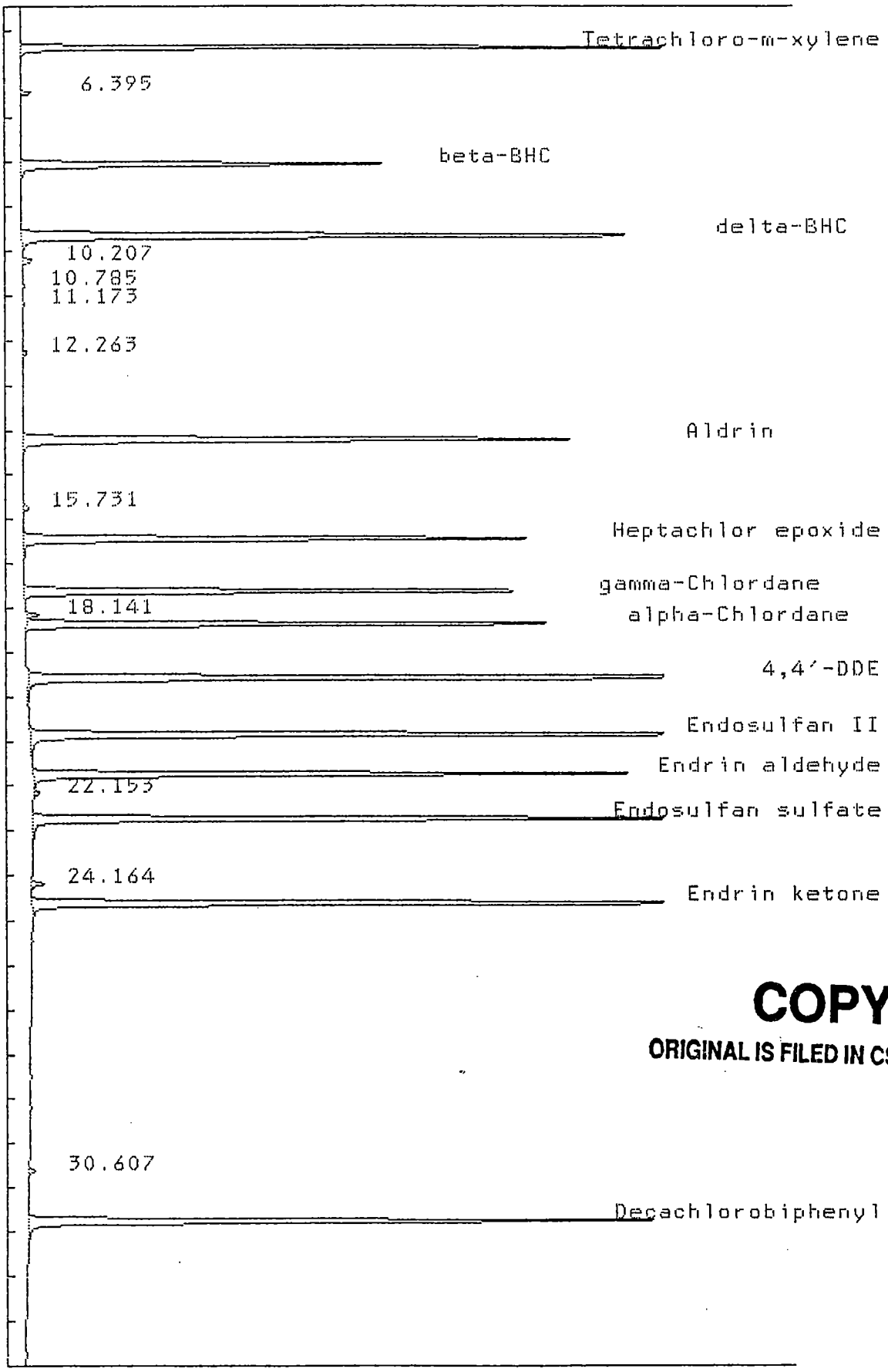
Pk#	RT	Area	Code	NG	NAME
1	4.19	12508	BB	2.888548E-03	
2	5.37	2263991	BB	1.697208E-01	Tetrachloro-m-xylene
3	6.39	39597	BB	9.144604E-03	
4	8.02	1599452	BB	2.193297E-01	beta-BHC
5	9.64	3260470	BB	2.886906E-01	delta-BHC
6	10.21	45789	BB	1.057448E-02	
7	10.78	12821	BB	2.960840E-03	
8	11.17	14739	BB	3.403800E-03	
9	12.26	24454	BB	5.647436E-03	
10	14.19	2757562	BB	2.484122E-01	Aldrin
11	15.73	28823	BB	6.656386E-03	
12	16.43	2384421	BB	1.868573E-01	Heptachlor epoxide
13	17.61	2439528	BB	1.901508E-01	gamma-Chlordane
14	18.14	47690	BB	1.101343E-02	
15	18.35	2431688	BB	1.844598E-01	alpha-Chlordane
16	19.56	4120500	BB	4.091096E-01	4,4'-DDE
17	20.83	3557942	BB	3.393220E-01	Endosulfan II
18	21.72	2594885	BB	3.169833E-01	Endrin aldehyde
19	22.15	20504	BB	4.735173E-03	
20	22.72	3089317	BB	3.476717E-01	Endosulfan sulfate
21	24.16	51257	BB	1.183723E-02	
22	24.59	3480403	BB	3.420502E-01	Endrin ketone
23	30.61	26845	BB	6.199585E-03	
24	31.74	2918604	BB	2.169224E-01	Decachlorobiphenyl

Total Area : 37223800 Total NG : 3.535

COPY

ORIGINAL IS FILED IN CSF 18075

COLUMN ID:HP5890XB RTx5 0.53MM
SampleName : INDBHB1 (P1243B1) 1UL ASP
Method : /METHODS/XBIBMCOPY.MTH
Injected on :Thu May 14, 1992 2:43:25 am
Report File : /DATA/LOOP/FORMAT/GSHORT_AREA.FMT



COPY

ORIGINAL IS FILED IN CSF 18075

COLUMN ID: RTx1701 0.53MM
Sample Name : AR1660A1 (P1246A1) 1UL ASP Report No :241.10

Peak Processor : Genie Multilevel : False
Instrument : XA Application : Loop
Calculation : ExternalSTD Quantitation : AreaUnits
Result File : /XA/XA512005.RES
Run Time : 35.00 Minutes Injected on Wed May 13, 1992 6:04:07 p

Run Status : RunStatusOK

Pk#	RT	Area	Code	NG	NAME
1	4.41	54470	BB	1.257933E-02	
2	4.59	5050	BB	1.166277E-03	
3	5.59	290959	BB	1.341552E-02	Tetrachloro-m-xylene
4	6.96	6809	BB	1.572550E-03	
5	7.67	9287	BB	2.144812E-03	
6	7.95	39802	BB	5.252638E-02	Aroclor-1016
7	9.17	5505	BB	1.271321E-03	
8	10.33	79924	BB	5.404589E-02	Aroclor-1016
9	11.12	9886	BB	2.283085E-03	
10	11.63	20130	BB	4.648880E-03	
11	11.93	32676	BB	7.957193E-02	Aroclor-1016
12	12.77	24401	BB	5.635210E-03	
13	13.26	158598	BB	1.632586E-01	Aroclor-1016
14	14.04	66928	BB	1.059645E-01	Aroclor-1016
15	14.61	24602	BB	5.681672E-03	
16	16.63	63206	BB	1.459680E-02	
17	17.88	9551	BB	2.205784E-03	
18	18.10	4436	BB	1.024437E-03	
19	18.66	44884	BB	1.036553E-02	
20	19.54	36856	BB	8.511532E-03	
21	21.03	5105	BB	1.179004E-03	
22	21.20	14947	BB	3.451778E-03	
23	21.52	4227	BB	9.761523E-04	
24	21.65	31861	BB	7.357956E-03	
25	21.91	7011	BB	1.619051E-03	
26	22.24	85784	BB	8.604324E-02	Aroclor-1260
27	22.56	5566	BB	1.285314E-03	
28	22.96	15064	BB	3.478942E-03	
29	23.21	107350	BB	1.753645E-01	Aroclor-1260
30	23.65	50917	BB	1.175875E-02	
31	23.90	45309	BB	1.046363E-02	
32	24.58	129604	BB	1.296045E+05	Aroclor-1260
33	24.89	54961	BB	1.269258E-02	
34	25.04	28223	BB	6.517852E-03	
35	25.62	11139	BB	2.572470E-03	
36	25.79	5007	BB	1.156365E-03	
37	26.04	60159	BB	5.872591E-02	Aroclor-1260
38	26.25	25674	BB	5.929104E-03	
39	26.39	9478	BB	2.188849E-03	
40	26.90	4458	BB	1.029416E-03	
41	27.16	126718	BB	1.524098E-01	Aroclor-1260
42	28.38	6426	BB	1.484045E-03	
43	28.49	42694	BB	9.859664E-03	
44	29.86	12947	BB	2.989966E-03	

COPY

ORIGINAL IS FILED IN CSF 18075

COLUMN ID: RTx1701 0.53MM

AR1660A1
5/13/92 18:04

Pk#	RT	Area	Code	NG	NAME
45	30.78	30651	BB	7.078559E-03	
46	31.89	10860	BB	2.507951E-03	
47	32.51	157487	BB	8.614395E-03	Decachlorobiphenyl

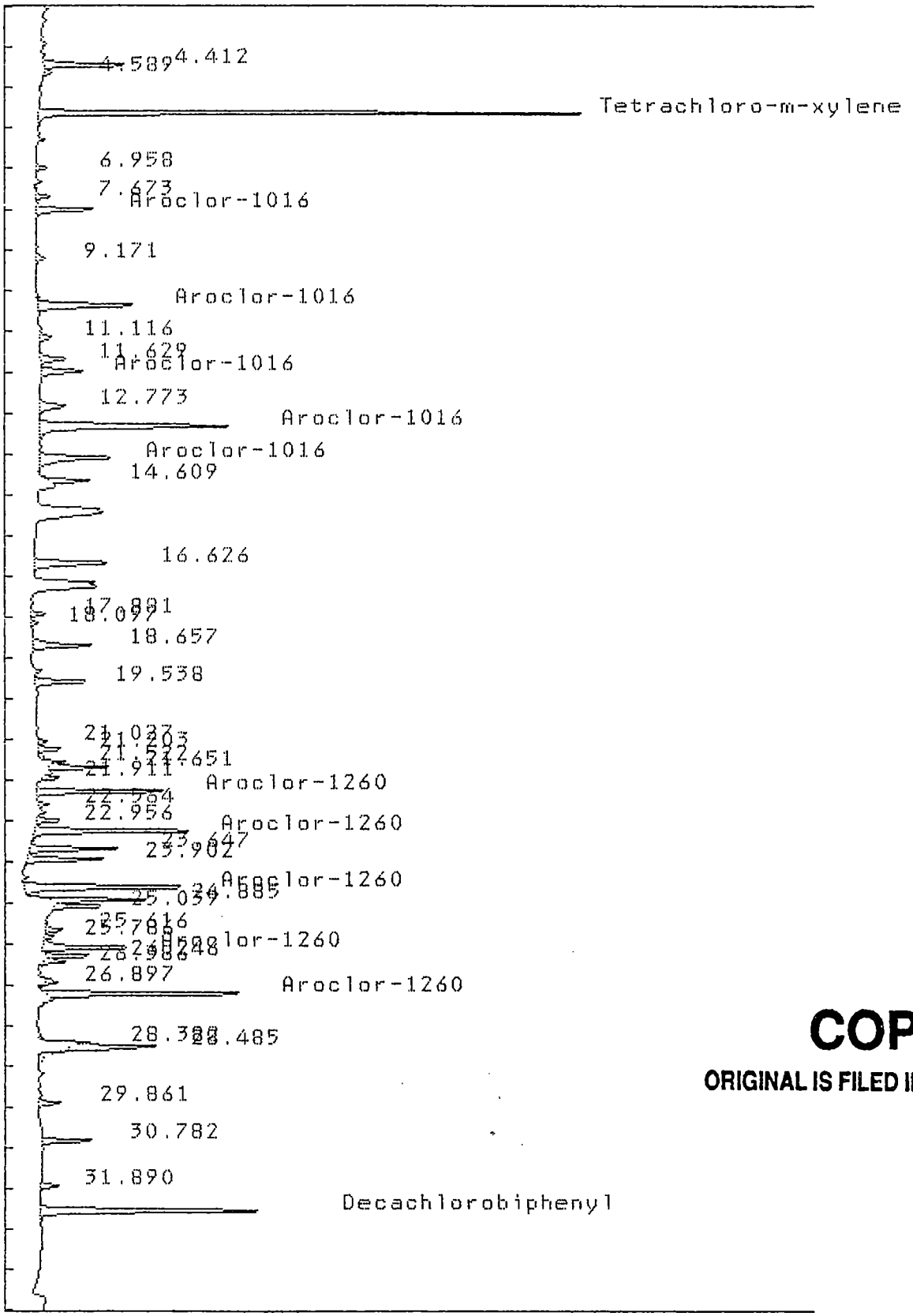
Total Area : 2077586 Total NG : 129605.600

COPY

ORIGINAL IS FILED IN CSF 18075

COLUMN ID: RTx1701 0.53MM

SampleName : AR1660A1 (P1246A1) 1UL ASP
Method : /methods/XA66COPY.MTH
Injected on :Wed May 13, 1992 6:04:07 pm
Report File : /DATA/LOOP/FORMAT/GSHORT_AREA.FMT



COPY

ORIGINAL IS FILED IN CSF 18075

COLUMN ID: RTx1701 0.53MM np 5/14/92 Page 1
Sample Name : AR1221A1(P1245A1) 1UL ASP Report No :242.10

Peak Processor : Genie Multilevel : False
Instrument : XA Application : Loop
Calculation : ExternalSTD Quantitation : AreaUnits
Result File : /XA/XA512006.RES
Run Time : 35.00 Minutes Injected on Wed May 13, 1992 6:47:41 p

Run Status : RunStatusOK
EndOffBaseline

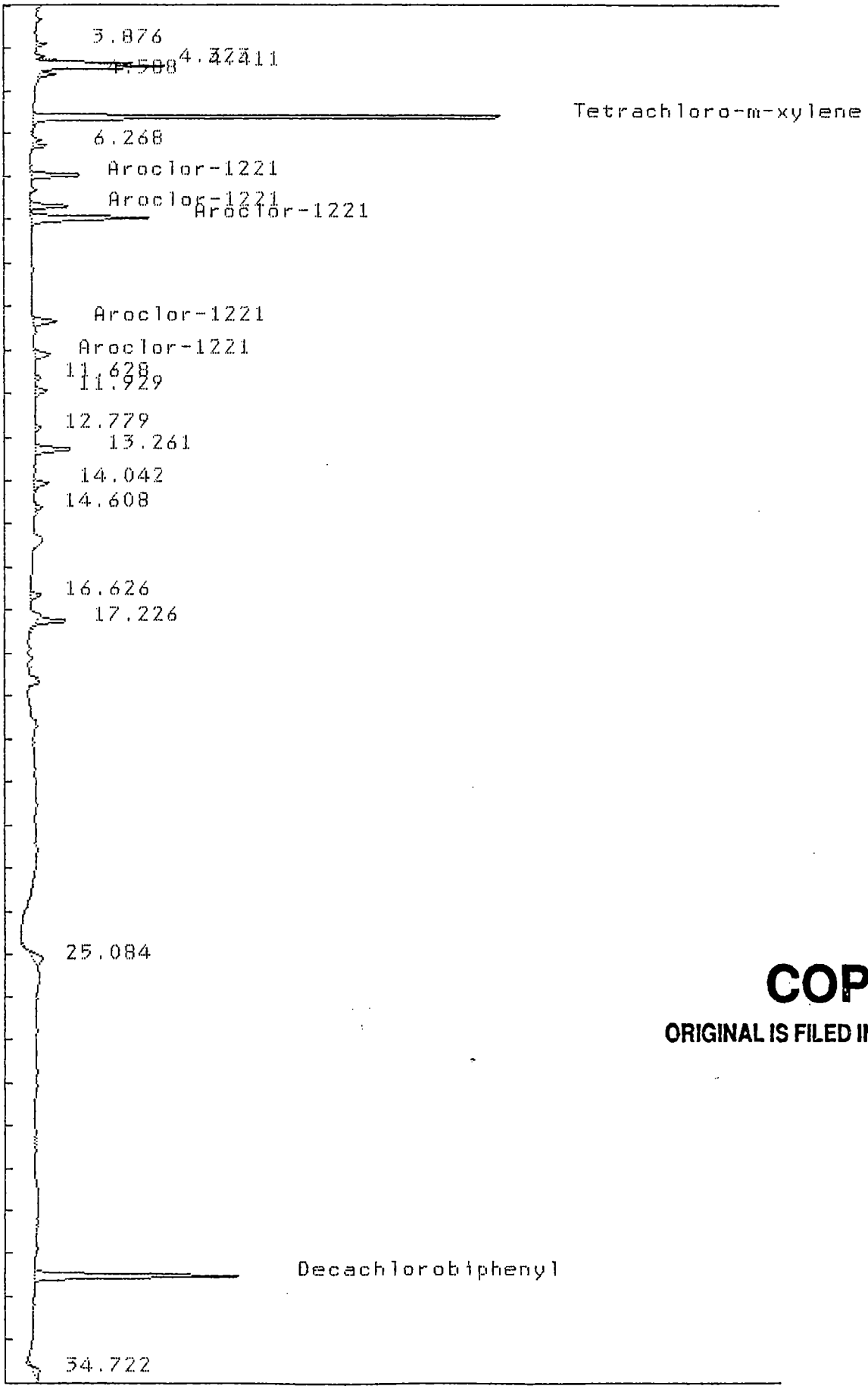
Pk#	RT	Area	Code	NG	NAME
1	3.88	5009	BB	1.156705E-03	
2	4.32	18497	BB	4.271732E-03	
3	4.41	28545	BB	6.592188E-03	
4	4.59	8078	BB	1.865620E-03	
5	5.59	291734	BB	1.834880E-02	Tetrachloro-m-xylene
6	6.27	7430	BB	1.715992E-03	
7	6.95	34564	BB	1.508100E-01	Aroclor-1221
8	7.67	25550	BB	1.488567E-01	Aroclor-1221
9	7.95	88593	BB	1.476863E-01	Aroclor-1221
10	10.33	20543	BB	2.054259E+04	Aroclor-1221
11	11.09	13459	BB	1.345857E+04	Aroclor-1221
12	11.63	4008	BB	9.254973E-04	
13	11.93	10073	BB	2.326217E-03	
14	12.78	6827	BB	1.576580E-03	
15	13.26	30317	BB	7.001466E-03	
16	14.04	12716	BB	2.936614E-03	
17	14.61	4381	BB	1.011858E-03	
18	16.63	8555	BB	1.975748E-03	
19	17.23	17154	BB	3.961566E-03	
20	25.08	17961	BB	4.147803E-03	
21	32.50	146803	BB	1.127757E-02	Decachlorobiphenyl
22	34.72	8496	BB	1.962102E-03	

Total Area : 809293 Total NG : 34001.680

COPY

ORIGINAL IS FILED IN CSF 18075

COLUMN ID: RTx1701 0.53MM MP 5/14/92
SampleName : AR122141(P1245A1) 1UL ASP
Method : /methods/XA21COPY.MTH
Injected on :Wed May 13, 1992 6:47:41 pm
Report File : /DATA/LOOP/FORMAT/GSHORT_AREA.FMT



COPY
ORIGINAL IS FILED IN CSF 18075

COLUMN ID: RTx1701 0.53MM
Sample Name : AR1232A1 (P1247A1) 1UL ASP Report No :243.10

Peak Processor : Genie Multilevel : False
Instrument : XA Application : Loop
Calculation : ExternalSTD Quantitation : AreaUnits
Result File : /XA/XA512007.RES
Run Time : 35.00 Minutes Injected on Wed May 13, 1992 7:29:49 p

Run Status : RunStatusOK

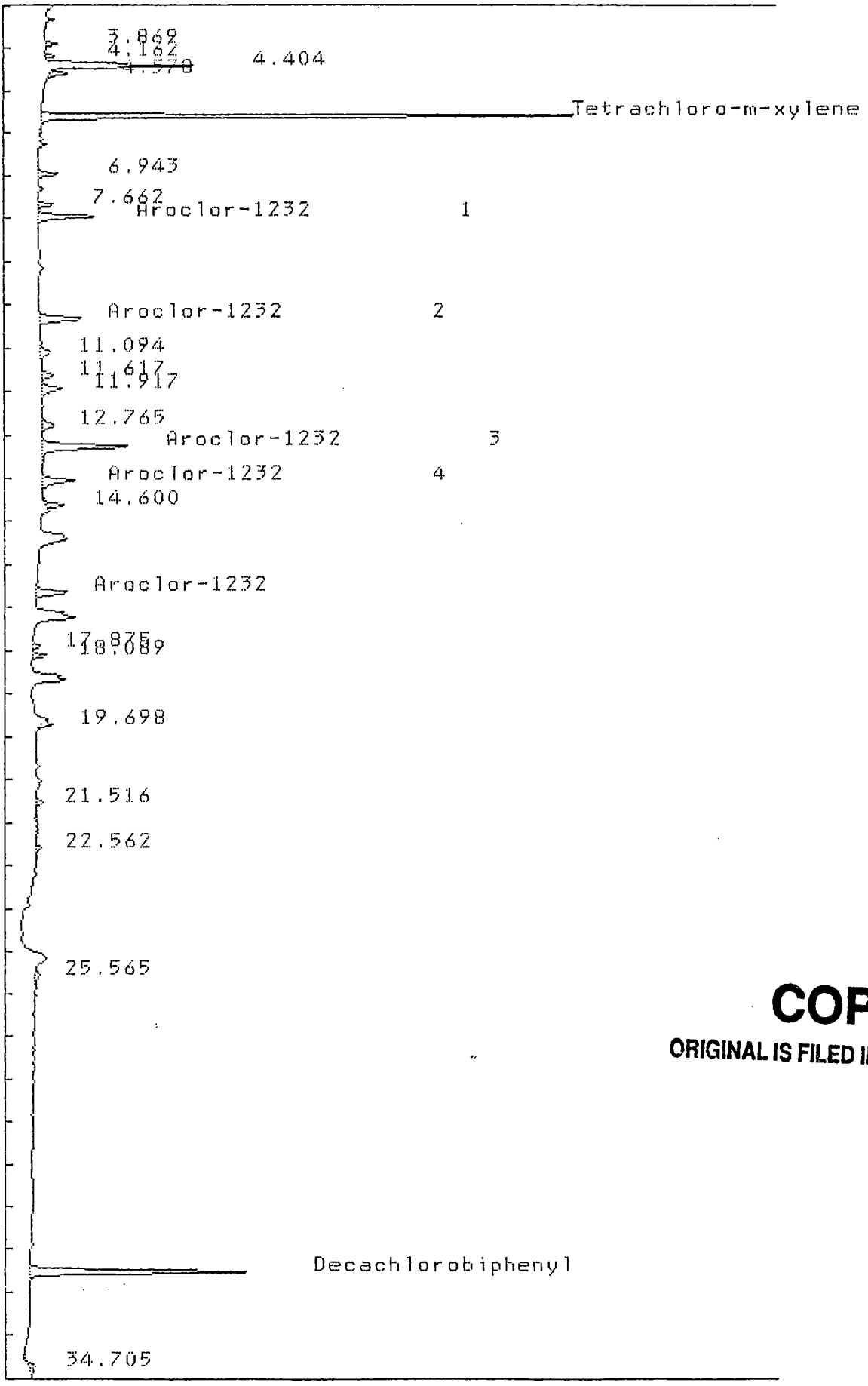
Pk#	RT	Area	Code	NG	NAME	
1	3.87	6475	BB	1.495427E-03		
2	4.16	5229	BB	1.207653E-03		
3	4.40	33703	BB	7.783461E-03		
4	4.58	10636	BB	2.456206E-03		
5	5.58	292823	BB	1.823518E-02	Tetrachloro-m-xylene	
6	6.94	13366	BB	3.086805E-03		
7	7.66	10027	BB	2.315715E-03		
8	7.94	43483	BB	8.851542E-02	Aroclor-1232	1
9	10.31	37498	BB	1.046722E-01	Aroclor-1232	2
10	11.09	9656	BB	2.230014E-03		
11	11.62	9779	BB	2.258362E-03		
12	11.92	17981	BB	4.152503E-03		
13	12.76	10919	BB	2.521576E-03		
14	13.25	75978	BB	1.025297E-01	Aroclor-1232	3
15	14.03	29846	BB	7.176824E-02	Aroclor-1232	4
16	14.60	10602	BB	2.448508E-03		
17	16.62	27617	BB	6.317898E-01	Aroclor-1232	
18	17.87	5234	BB	1.208693E-03		
19	18.09	9412	BB	2.173534E-03		
20	19.70	4645	BB	1.072779E-03		
21	21.52	4255	BB	9.825889E-04		
22	22.56	4443	BB	1.026124E-03		
23	25.56	6091	BB	1.406738E-03		
24	32.50	157308	BB	1.182839E-02	Decachlorobiphenyl	
25	34.70	5648	BB	1.304400E-03		

Total Area : 842655 Total NG : 1.070

COPY

ORIGINAL IS FILED IN CSF 18075

COLUMN ID: RTx1701 0.53MM
SampleName : AR1232A1 (P1247A1) 1UL ASP
Method : /methods/XA32COPY.MTH
Injected on :Wed May 13, 1992 7:29:49 pm
Report File : /DATA/LOOP/FORMAT/GSHORT_AREA.FMT



COPY

ORIGINAL IS FILED IN CSF 18075

COLUMN ID:HP5890XB RTx5 0.53MM
Sample Name : AR1242A1 (P1248A1) 1UL ASP Report No :244.10

Peak Processor : Genie Multilevel : False
Instrument : XA Application : Loop
Calculation : ExternalSTD Quantitation : AreaUnits
Result File : /XA/XA512008.RES
Run Time : 35.00 Minutes Injected on Wed May 13, 1992 8:13:19 p

Run Status : RunStatusOK

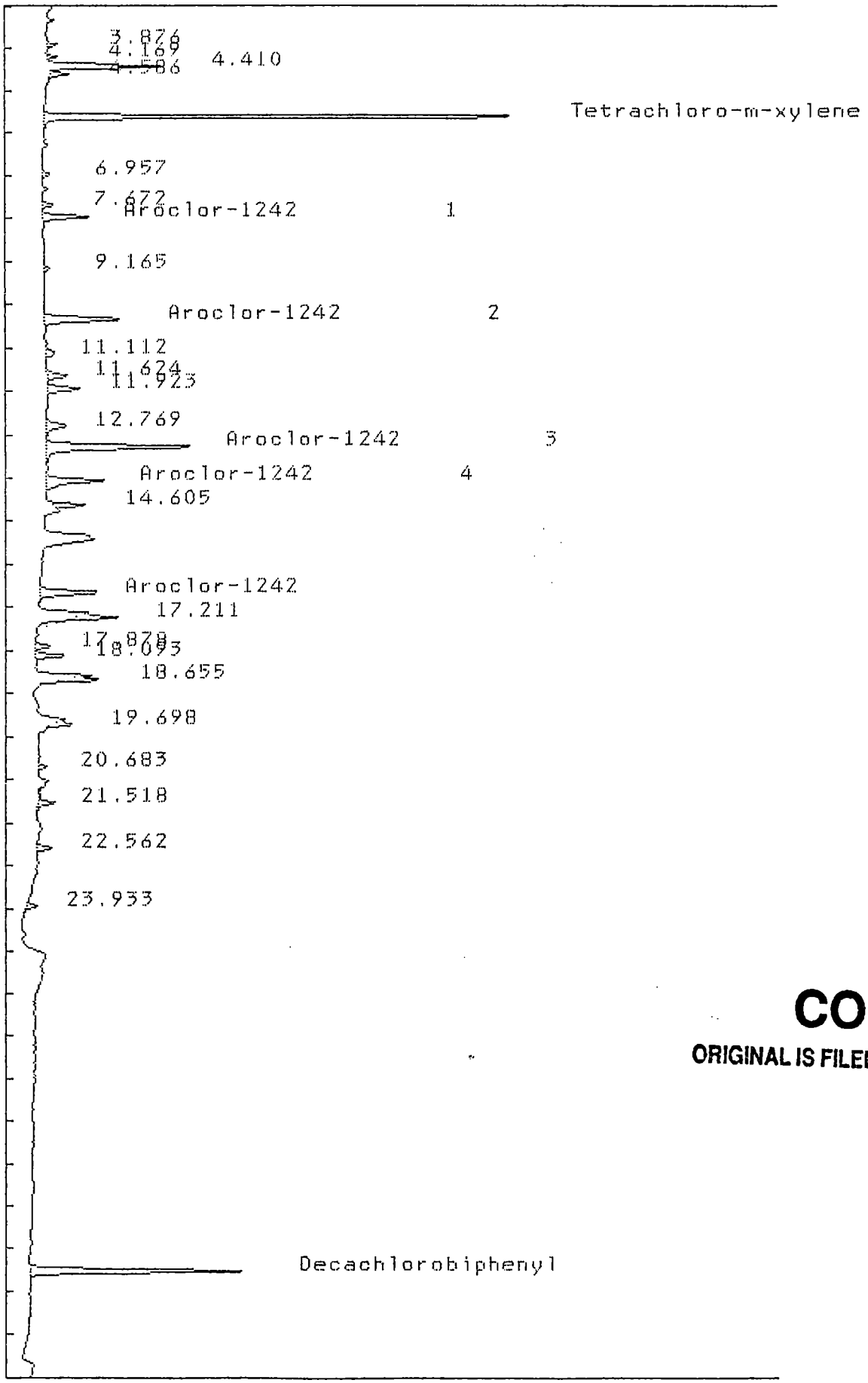
Pk#	RT	Area	Code	NG	NAME	
1	3.88	5458	BB	1.260482E-03		
2	4.17	4838	BB	1.117358E-03		
3	4.41	25450	BB	5.415607E-03		
4	4.59	9837	BB	2.271758E-03		
5	5.59	290478	BB	1.493686E-02	Tetrachloro-m-xylene	
6	6.96	5155	BB	1.190459E-03		
7	7.67	7777	BB	1.796078E-03		
8	7.95	32096	BB	9.212434E-02	Aroclor-1242	1
9	9.16	4405	BB	1.017302E-03		
10	10.32	65493	BB	2.083444E-01	Aroclor-1242	2
11	11.11	8059	BB	1.861069E-03		
12	11.62	16397	BB	3.786679E-03		
13	11.92	26840	BB	6.198479E-03		
14	12.77	19950	BB	4.607284E-03		
15	13.26	130793	BB	1.155939E-01	Aroclor-1242	3
16	14.04	54637	BB	6.292939E-02	Aroclor-1242	4
17	14.61	20498	BB	4.733809E-03		
18	16.62	52367	BB	5.834621E-02	Aroclor-1242	
19	17.21	4122	BB	9.518986E-04		
20	17.88	9958	BB	2.299703E-03		
21	18.09	20565	BB	4.749377E-03		
22	18.66	15158	BB	3.500611E-03		
23	19.70	8455	BB	1.952599E-03		
24	20.68	5390	BB	1.244757E-03		
25	21.52	10664	BB	2.462707E-03		
26	22.56	10957	BB	2.530409E-03		
27	23.93	6332	BB	1.462382E-03		
28	32.50	155580	BB	5.625799E-02	Decachlorobiphenyl	

Total Area : 1025711 Total NG : .665

COPY

ORIGINAL IS FILED IN CSF 18075

COLUMN ID:HP5890XB RTx5 0.53MM
SampleName : AR1242A1 (P1248A1) 1UL ASP
Method : /methods/XA42COPY.MTH
Injected on :Wed May 13, 1992 8:13:19 pm
Report File : /DATA/LOOP/FORMAT/GSHORT_AREA.FMT



COPY

ORIGINAL IS FILED IN CSF 18075

COLUMN ID:HP5890XA RTx1701 0.53MM
Sample Name : AR1248A1 (P1249A1) 1UL ASP Report No :245.10

Peak Processor : Genie Multilevel : False
Instrument : XA Application : Loop
Calculation : ExternalSTD Quantitation : AreaUnits
Result File : /XA/XA512009.RES
Run Time : 35.00 Minutes Injected on Wed May 13, 1992 8:56:48 p

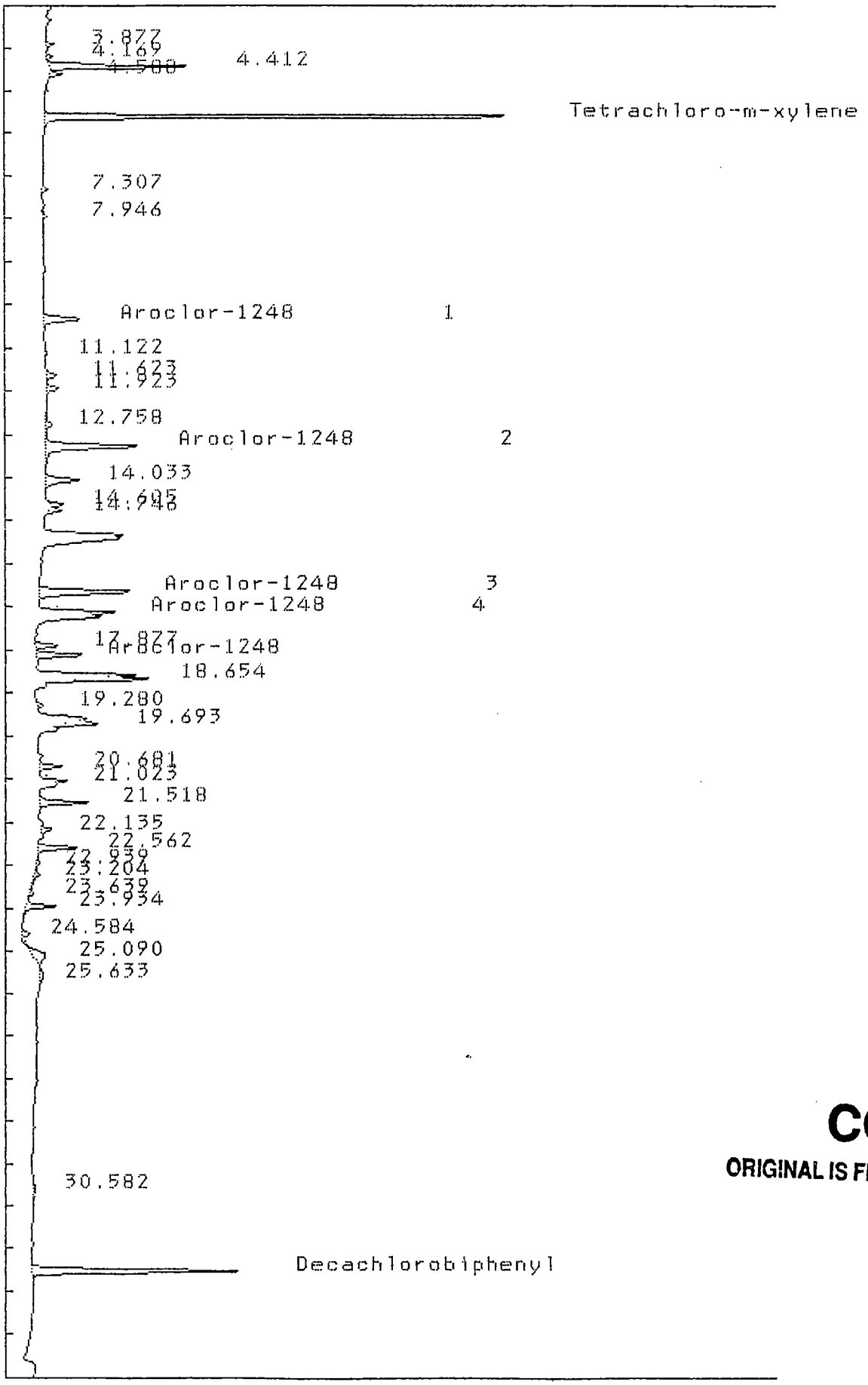
Run Status : RunStatusOK

Pk#	RT	Area	Code	NG	NAME	
1	3.88	4094	BB	9.455025E-04		
2	4.17	3461	BB	7.991680E-04		
3	4.41	91329	BB	2.109160E-02		
4	4.59	6358	BB	1.468296E-03		
5	5.59	293169	BB	1.844519E-02	Tetrachloro-m-xylene	
6	7.31	3502	BB	8.088426E-04		
7	7.95	2831	BB	6.538207E-04		
8	10.32	31665	BB	9.271868E-02	Aroclor-1248	1
9	11.12	2466	BB	5.695755E-04		
10	11.62	8356	BB	1.929704E-03		
11	11.92	10626	BB	2.454027E-03		
12	12.76	6827	BB	1.576685E-03		
13	13.25	85668	BB	7.766636E-02	Aroclor-1248	2
14	14.03	32299	BB	7.459107E-03		
15	14.60	8254	BB	1.906157E-03		
16	14.75	5590	BB	1.291060E-03		
17	16.62	83838	BB	6.380983E-02	Aroclor-1248	3
18	17.10	11017	BB	1.338316E-02	Aroclor-1248	4
19	17.88	15168	BB	3.502951E-03		
20	18.09	33679	BB	4.521152E-02	Aroclor-1248	
21	18.65	28525	BB	6.587500E-03		
22	19.28	3862	BB	8.918183E-04		
23	19.69	14986	BB	3.460912E-03		
24	20.68	14836	BB	3.426258E-03		
25	21.02	4232	BB	9.774414E-04		
26	21.52	33652	BB	7.771591E-03		
27	22.14	7653	BB	1.767491E-03		
28	22.56	27361	BB	6.318849E-03		
29	22.94	2467	BB	5.696807E-04		
30	23.20	4551	BB	1.051101E-03		
31	23.64	2418	BB	5.585065E-04		
32	23.93	20192	BB	4.663070E-03		
33	24.58	6490	BB	1.498855E-03		
34	25.09	26655	BB	6.155635E-03		
35	25.63	6189	BB	1.429226E-03		
36	30.58	2130	BB	4.918335E-04		
37	32.50	154349	BB	1.165484E-02	Decachlorobiphenyl	

Total Area : 1100749 Total NG : .417

COPY
ORIGINAL IS FILED IN CSF 18075

COLUMN ID:HP5890XA RTx1701 0.53MM
SampleName : AR1248A1 (P1249A1) 1UL ASP
Method : /methods/XA48COPY.MTH
Injected on :Wed May 13, 1992 8:56:48 pm
Report File : /DATA/LOOP/FORMAT/GSHORT_AREA.FMT



COPY
ORIGINAL IS FILED IN CSF 18075

COLUMN ID:HP5890XA RTx1701 0.53MM
Sample Name : AR1254A1 (P1250A1) 1UL ASP Report No :246.10

Peak Processor : Genie Multilevel : False
Instrument : XA Application : Loop
Calculation : ExternalSTD Quantitation : AreaUnits
Result File : /XA/XA512010.RES
Run Time : 35.00 Minutes Injected on Wed May 13, 1992 9:40:18 p

Run Status : RunStatusOK

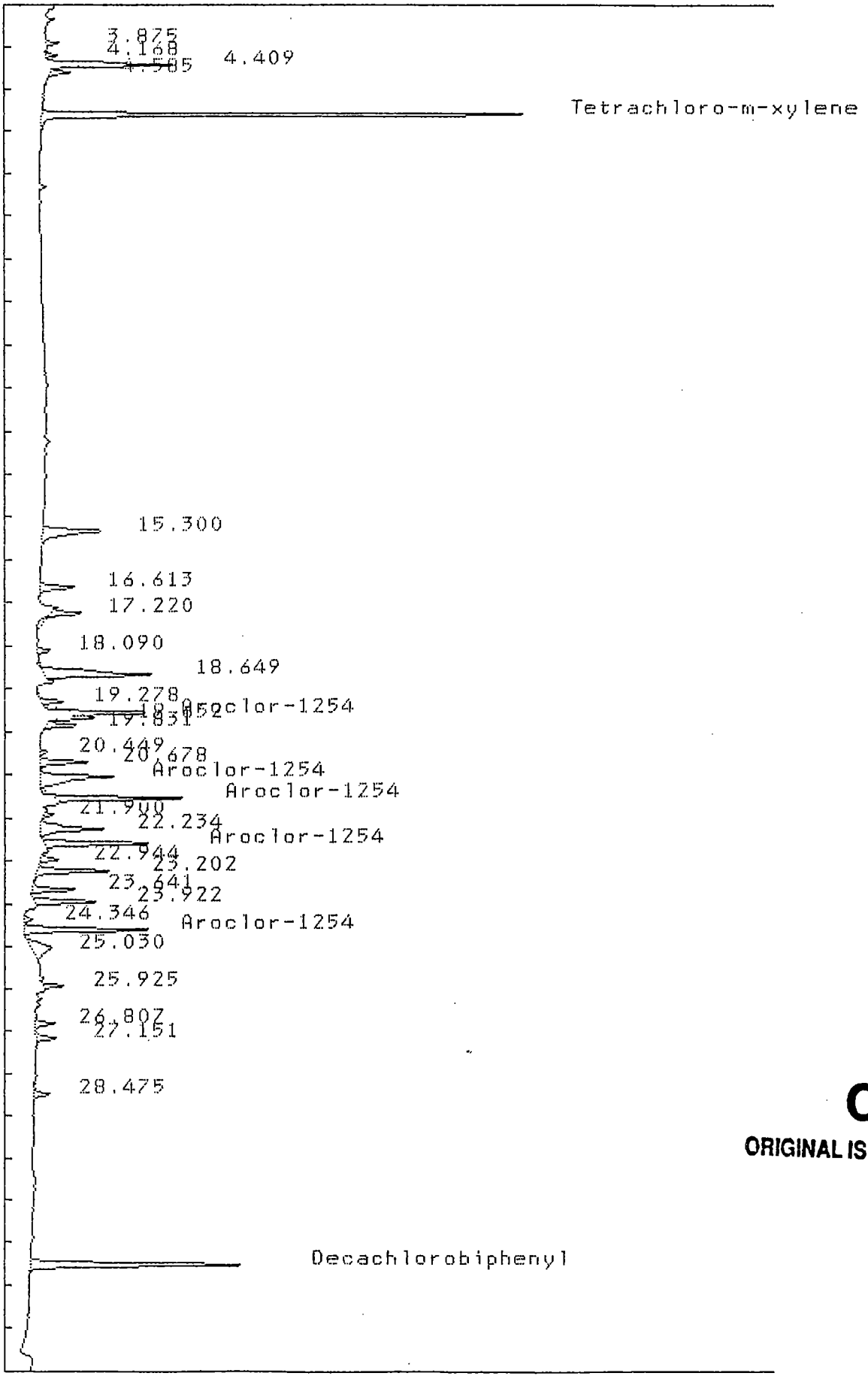
Pk#	RT	Area	Code	NG	NAME
1	3.87	6063	BB	1.400201E-03	
2	4.17	5258	BB	1.214391E-03	
3	4.41	23332	BB	5.388212E-03	
4	4.59	9748	BB	2.251205E-03	
5	5.59	282692	BB	1.765741E-02	Tetrachloro-m-xylene
6	15.30	60923	BB	1.406956E-02	
7	16.61	25756	BB	5.948124E-03	
8	17.22	8084	BB	1.866968E-03	
9	18.09	8882	BB	2.051322E-03	
10	18.65	98921	BB	2.284485E-02	
11	19.28	12863	BB	2.970581E-03	
12	19.53	44360	BB	4.240409E-02	Aroclor-1254
13	19.65	11264	BB	2.601195E-03	
14	19.83	15575	BB	3.596875E-03	
15	20.45	4173	BB	9.637643E-04	
16	20.68	30646	BB	7.077309E-03	
17	21.02	68917	BB	8.997752E-02	Aroclor-1254
18	21.51	72176	BB	1.654692E-01	Aroclor-1254
19	21.90	5380	BB	1.242415E-03	
20	22.23	55209	BB	1.275000E-02	
21	22.56	69115	BB	1.469005E-01	Aroclor-1254
22	22.94	11470	BB	2.648767E-03	
23	23.20	48011	BB	1.108759E-02	
24	23.64	27038	BB	6.244215E-03	
25	23.92	40834	BB	9.430146E-03	
26	24.35	4824	BB	1.114102E-03	
27	24.58	87998	BB	9.245369E-02	Aroclor-1254
28	25.03	40416	BB	9.333782E-03	
29	25.93	10866	BB	2.509375E-03	
30	26.81	12176	BB	2.811956E-03	
31	27.15	13297	BB	3.070867E-03	
32	28.47	10376	BB	2.396244E-03	
33	32.50	151594	BB	1.143088E-02	Decachlorobiphenyl

Total Area : 1378240 Total NG : .705

COPY

ORIGINAL IS FILED IN CSF 18075

COLUMN ID:HP5890XA RTx1701 0.53MM
SampleName : AR1254A1 (P1250A1) 1UL ASP
Method : /methods/XA54COPY.MTH
Injected on :Wed May 13, 1992 9:40:18 pm
Report File : /DATA/LOOP/FORMAT/GSHORT_AREA.FMT



COPY

ORIGINAL IS FILED IN CSF 18075

COLUMN ID:HP5890XA RTx1701 0.53MM
Sample Name : TOXAPHA1 (P1251A1) 1UL ASP Report No :247.10

Peak Processor : Genie Multilevel : False
Instrument : XA Application : Loop
Calculation : ExternalSTD Quantitation : AreaUnits
Result File : /XA/XA512011.RES
Run Time : 35.00 Minutes Injected on Wed May 13, 1992 10:23:50 p

Run Status : RunStatusOK

Pk#	RT	Area	Code	NG	NAME	
1	3.87	10922	BB	2.522341E-03		
2	4.17	9780	BB	2.258610E-03		
3	4.34	14174	BB	3.273329E-03		
4	4.41	5801	BB	1.339779E-03		
5	4.58	19199	BB	4.433879E-03		
6	5.59	285339	BB	1.789824E-02	Tetrachloro-m-xylene	
7	15.69	5139	BB	1.186852E-03		
8	16.38	4573	BB	1.056128E-03		
9	16.89	4230	BB	9.769634E-04		
10	17.23	26946	BB	6.222854E-03		
11	17.67	7226	BB	1.668791E-03		
12	17.87	15814	BB	3.651970E-03		
13	19.04	7447	BB	1.719708E-03		
14	19.21	6821	BB	1.575323E-03		
15	19.41	16600	BB	3.833558E-03		
16	20.13	19468	BB	4.496028E-03		
17	20.28	4943	BB	1.141535E-03		
18	20.63	11066	BB	2.555611E-03		
19	20.85	9893	BB	2.284677E-03		
20	21.23	32802	BB	3.509084E-01	Toxaphene	1
21	21.71	10788	BB	2.491371E-03		
22	21.92	24867	BB	5.742764E-03		
23	22.12	7073	BB	1.633427E-03		
24	22.22	5262	BB	1.215118E-03		
25	22.36	33734	BB	7.790559E-03		
26	22.70	26209	BB	6.052726E-03		
27	22.88	27286	BB	6.301467E-03		
28	23.10	37168	BB	3.034520E-01	Toxaphene	2
29	23.46	31770	BB	7.336999E-03		
30	23.73	18211	BB	4.205651E-03		
31	24.32	29548	BB	6.823835E-03		
32	24.42	8888	BB	2.052709E-03		
33	24.62	45650	BB	1.054241E-02		
34	25.04	41663	BB	2.854986E-01	Toxaphene	3
35	25.42	140582	BB	6.586033E-01	Toxaphene	4
36	25.68	23776	BB	5.490752E-03		
37	25.98	37108	BB	8.569770E-03		
38	26.31	15478	BB	3.574480E-03		
39	26.66	11549	BB	2.667115E-03		
40	26.82	18918	BB	4.368926E-03		
41	26.97	6061	BB	1.399653E-03		
42	27.12	67217	BB	6.417229E-01	Toxaphene	
43	27.25	9313	BB	2.150715E-03		
44	27.42	19360	BB	4.470900E-03		

COPY
ORIGINAL IS FILED IN CSF 18075

COLUMN ID:HP5890XA RTx1701 0.53MM

TOXAPHA1
5/13/92 22:23

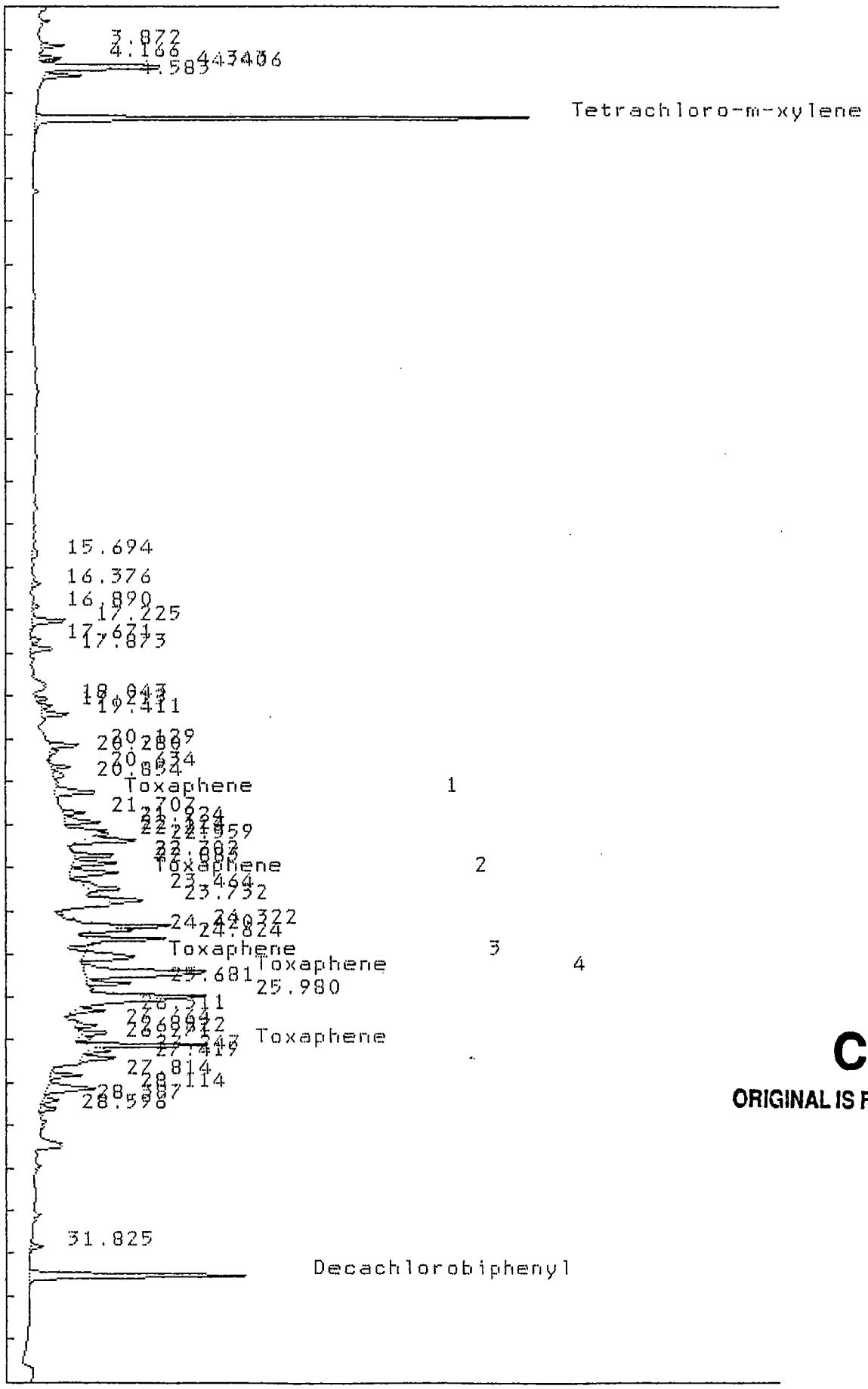
Pk#	RT	Area	Code	NG	NAME
45	27.81	18141	BB	4.189513E-03	
46	28.11	43323	BB	1.000512E-02	
47	28.39	10501	BB	2.425154E-03	
48	28.60	10242	BB	2.365320E-03	
49	31.82	8301	BB	1.917066E-03	
50	32.50	156418	BB	1.174201E-02	Decachlorobiphenyl

Total Area : 1462590 Total NG : 2.432

COPY

ORIGINAL IS FILED IN CSF 18075

COLUMN ID:HP5890XA RTx1701 0.53MM
SampleName : TOXAPHA1 (P1251A1) 1UL ASP
Method : /methods/XATOXCOPY.MTH
Injected on :Wed May 13, 1992 10:23:50 pm
Report File : /DATA/LOOP/FORMAT/GSHORT_AREA.FMT



COPY
ORIGINAL IS FILED IN CSF 18075

COLUMN ID:HP5890XB RTx5 0.53MM
Sample Name : AR1660B1 (P1246B1) 1UL ASP Report No :241.00

Peak Processor : Genie Multilevel : False
Instrument : XB Application : Loop
Calculation : ExternalSTD Quantitation : AreaUnits
Result File : /XB/XB512005.RES
Run Time : 35.00 Minutes Injected on Wed May 13, 1992 6:04:07 p

Run Status : RunStatusOK

Pk#	RT	Area	Code	NG	NAME
1	3.29	51740	BB	1.194889E-02	
2	4.26	16452	BB	3.799347E-03	
3	5.37	660857	BB	5.465406E-02	Tetrachloro-m-xylene
4	6.12	16861	BB	3.893937E-03	
5	6.51	14893	BB	3.439384E-03	
6	6.73	90225	BB	2.083662E-02	
7	7.59	11888	BB	2.745472E-03	
8	8.66	49779	BB	1.149591E-02	
9	9.23	19077	BB	4.405594E-03	
10	9.73	118585	BB	8.757423E-02	Aroclor-1016
11	10.88	21962	BB	5.071814E-03	
12	11.03	8784	BB	2.028637E-03	
13	11.47	364328	BB	8.413784E-02	
14	12.10	146354	BB	4.054946E-01	Aroclor-1016
15	12.57	82989	BB	1.109822E-01	Aroclor-1016
16	12.87	29107	BB	6.721943E-03	
17	13.34	8667	BB	2.001535E-03	
18	13.61	77905	BB	1.924440E-01	Aroclor-1016
19	13.85	50852	BB	5.161977E-02	Aroclor-1016
20	14.02	32550	BB	7.517144E-03	
21	14.23	123404	BB	2.849898E-02	
22	14.76	67924	BB	1.568635E-02	
23	14.93	29314	BB	6.769761E-03	
24	15.40	113489	BB	2.620925E-02	
25	15.84	23693	BB	5.471582E-03	
26	16.60	11787	BB	2.722167E-03	
27	16.81	15389	BB	3.553865E-03	
28	17.03	82845	BB	1.913217E-02	
29	17.88	13125	BB	3.031111E-03	
30	18.15	88665	BB	2.047624E-02	
31	19.40	14996	BB	3.463086E-03	
32	19.70	23796	BB	5.495457E-03	
33	19.84	30475	BB	7.037967E-03	
34	20.38	79712	BB	1.840873E-02	
35	20.58	49070	BB	1.133229E-02	
36	20.92	213611	BB	4.933123E-02	
37	21.35	9128	BB	2.108096E-03	
38	21.71	36973	BB	8.538429E-03	
39	21.96	166501	BB	4.183033E-01	Aroclor-1260
40	22.50	147238	BB	2.460752E-01	Aroclor-1260
41	22.86	25168	BB	5.812261E-03	
42	23.11	281828	BB	2.325752E-01	Aroclor-1260
43	23.45	35010	BB	8.085243E-03	
44	23.79	159884	BB	1.167856E-01	Aroclor-1260

COPY
ORIGINAL IS FILED IN CSF 18075

IN ID:HP5890XB RTx5 0.53MM

AR160B1
5/13/92 18:04

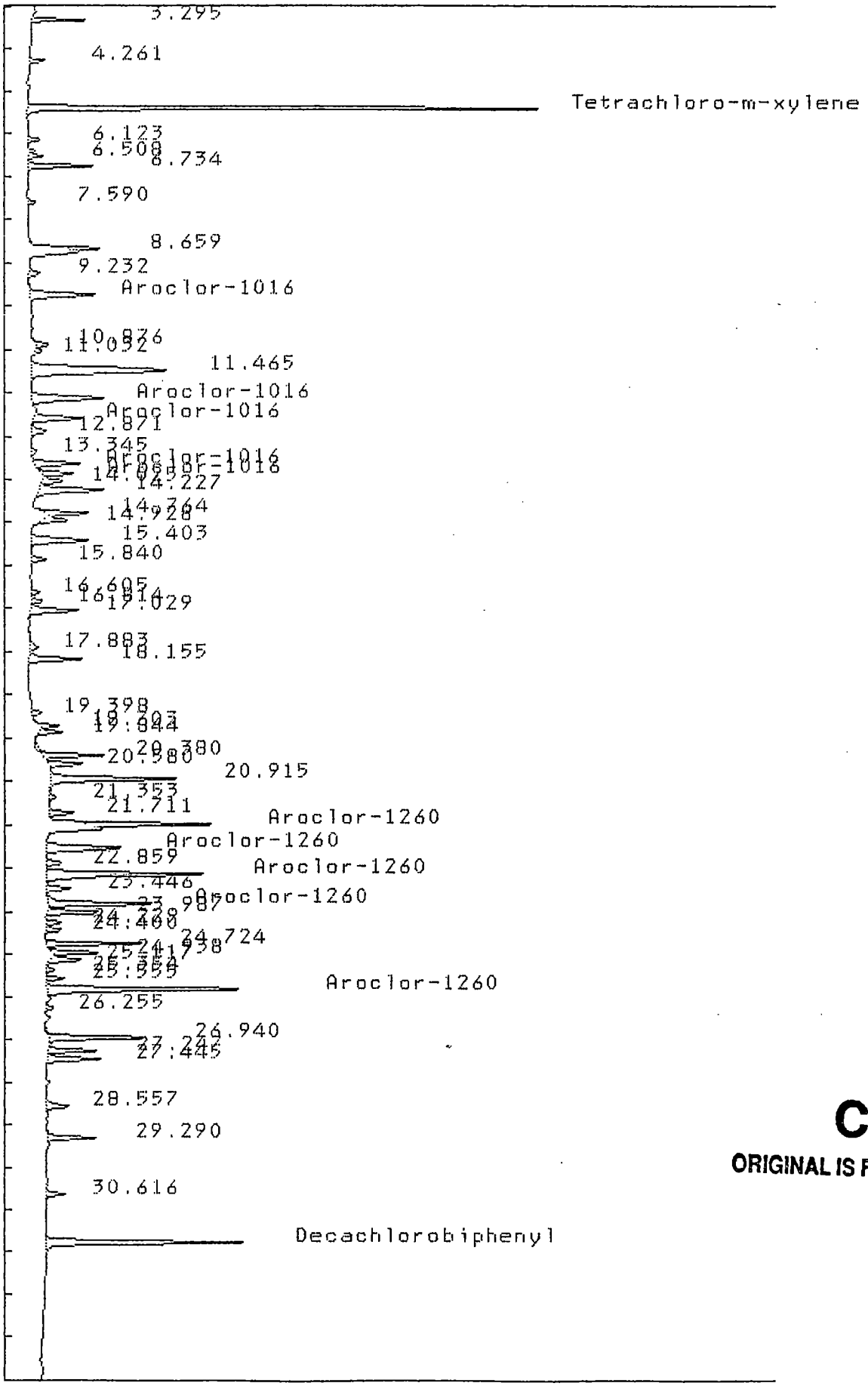
	RT	Area	Code	NG	NAME
	23.99	80517	BB	1.859454E-02	
	24.23	21475	BB	4.959543E-03	
	24.40	22682	BB	5.238081E-03	
	24.72	136319	BB	3.148156E-02	
	24.94	65083	BB	1.503031E-02	
0	25.12	47625	BB	1.099863E-02	
1	25.35	12436	BB	2.871866E-03	
2	25.55	26720	BB	6.170724E-03	
53	25.81	318495	BB	2.637889E-01	Aroclor-1260
54	26.26	10231	BB	2.362663E-03	
55	26.94	145928	BB	3.370062E-02	
56	27.25	66178	BB	1.528309E-02	
57	27.45	80725	BB	1.864260E-02	
58	28.56	39131	BB	9.036953E-03	
59	29.29	70498	BB	1.628078E-02	
60	30.62	26677	BB	6.160729E-03	
61	31.75	325939	BB	2.427441E-02	Decachlorobiphenyl

Total Area : 5213538 Total NG : 2.823

COPY

ORIGINAL IS FILED IN CSF 18075

COLUMN ID:HP5890XB RTx5 0.53MM
SampleName : AR1660B1 (P1246B1) 1UL ASP
Method : /METHODS/XB66COPY.MTH
Injected on :Wed May 13, 1992 6:04:07 pm
Report File : /DATA/LOOP/FORMAT/GSHORT_AREA.FMT



COPY
ORIGINAL IS FILED IN CSF 18075

COLUMN ID:HP5890XB RTx5 0.53MM

Sample Name : AR122181(P1245B1) 1UL ASP Report No :242.00

np 5/14/92

Peak Processor : Genie Multilevel : False
Instrument : XB Application : Loop
Calculation : ExternalSTD Quantitation : AreaUnits
Result File : /XB/XB512006.RES
Run Time : 35.00 Minutes Injected on Wed May 13, 1992 6:47:41 p

Run Status : RunStatusOK

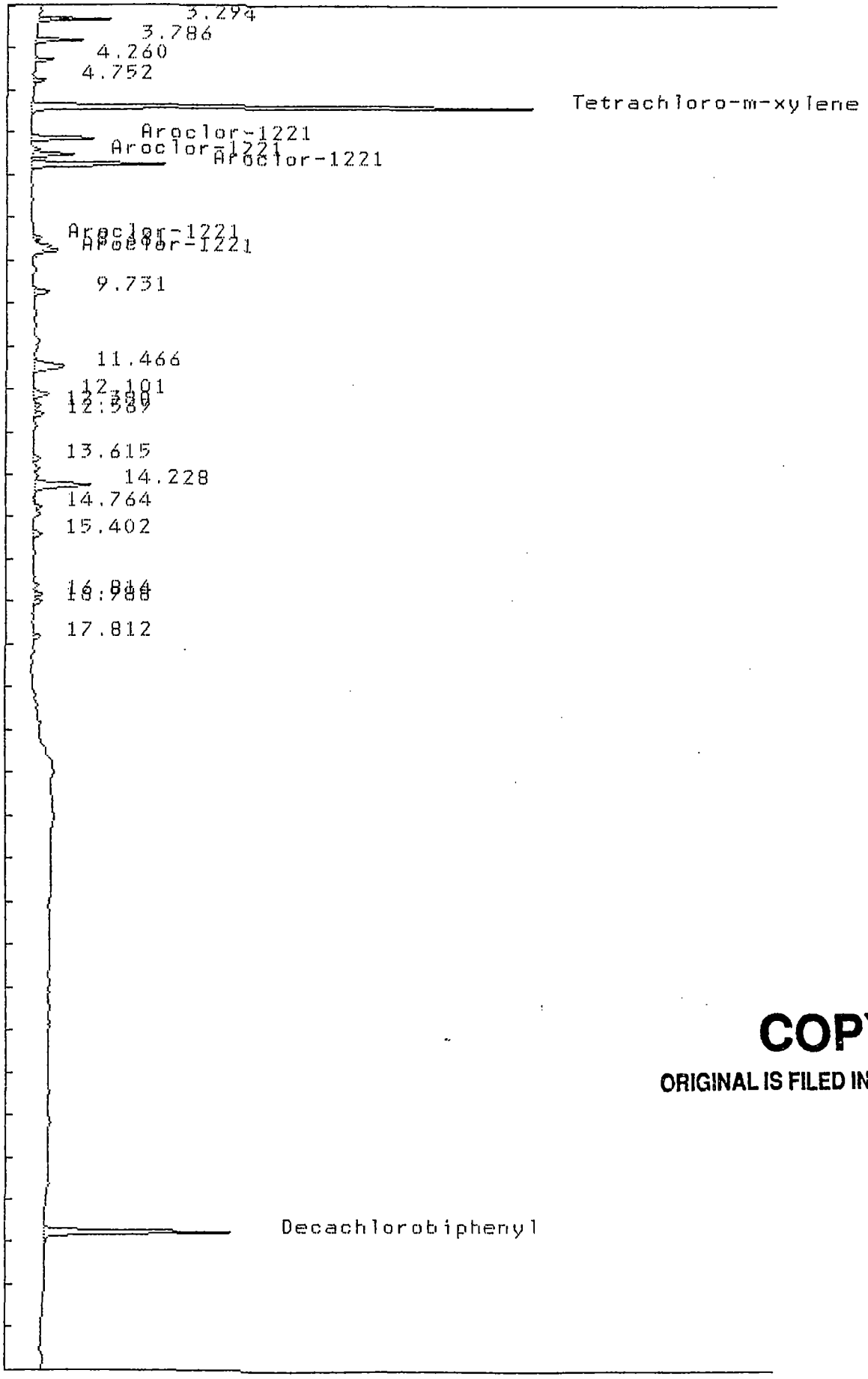
Pk#	RT	Area	Code	NG	NAME
1	3.29	71283	BB	1.646203E-02	
2	3.79	48712	BB	1.124947E-02	
3	4.26	19658	BB	4.539809E-03	
4	4.75	12220	BB	2.822057E-03	
5	5.37	657806	BB	5.192368E-02	Tetrachloro-m-xylene
6	6.12	81445	BB	1.591689E-01	Aroclor-1221
7	6.51	49235	BB	1.352969E+00	Aroclor-1221
8	6.73	189662	BB	1.543175E+00	Aroclor-1221
9	8.47	11480	BB	1.148019E+04	Aroclor-1221
10	8.66	8133	BB	1.878319E-03	
11	8.76	13393	BB	6.733394E-02	Aroclor-1221
12	9.73	29225	BB	6.749140E-03	
13	11.47	75808	BB	1.750701E-02	
14	12.10	29318	BB	6.770754E-03	
15	12.38	8701	BB	2.009311E-03	
16	12.57	13837	BB	3.195500E-03	
17	13.62	11497	BB	2.655060E-03	
18	14.23	113908	BB	2.630582E-02	
19	14.76	8955	BB	2.068068E-03	
20	15.40	15454	BB	3.568878E-03	
21	16.81	11958	BB	2.761494E-03	
22	16.99	12820	BB	2.960652E-03	
23	17.81	12151	BB	2.806216E-03	
24	31.75	303148	BB	2.255614E-02	Decachlorobiphenyl

Total Area : 1809805 Total NG : 11483.500

COPY

ORIGINAL IS FILED IN CSF 18075

COLUMN ID:HP5890XB RTx5 0.53MM
SampleName : AR1221B1(P1245B1) 1UL ASP
Method : /METHODS/XB21COPY.MTH
Injected on :Wed May 13, 1992 6:47:41 pm
Report File : /DATA/LOOP/FORMAT/GSHORT_AREA.FMT



COPY
ORIGINAL IS FILED IN CSF 18075

COLUMN ID:HP5890XB RTx5 0.53MM
Sample Name : AR1232B1 (P1247B1) 1UL ASP Report No :243.00

Peak Processor : Genie Multilevel : False
Instrument : XB Application : Loop
Calculation : ExternalSTD Quantitation : AreaUnits
Result File : /XB/XB512007.RES
Run Time : 35.00 Minutes Injected on Wed May 13, 1992 7:29:49 p

Run Status : RunStatusOK
EndOffBaseline

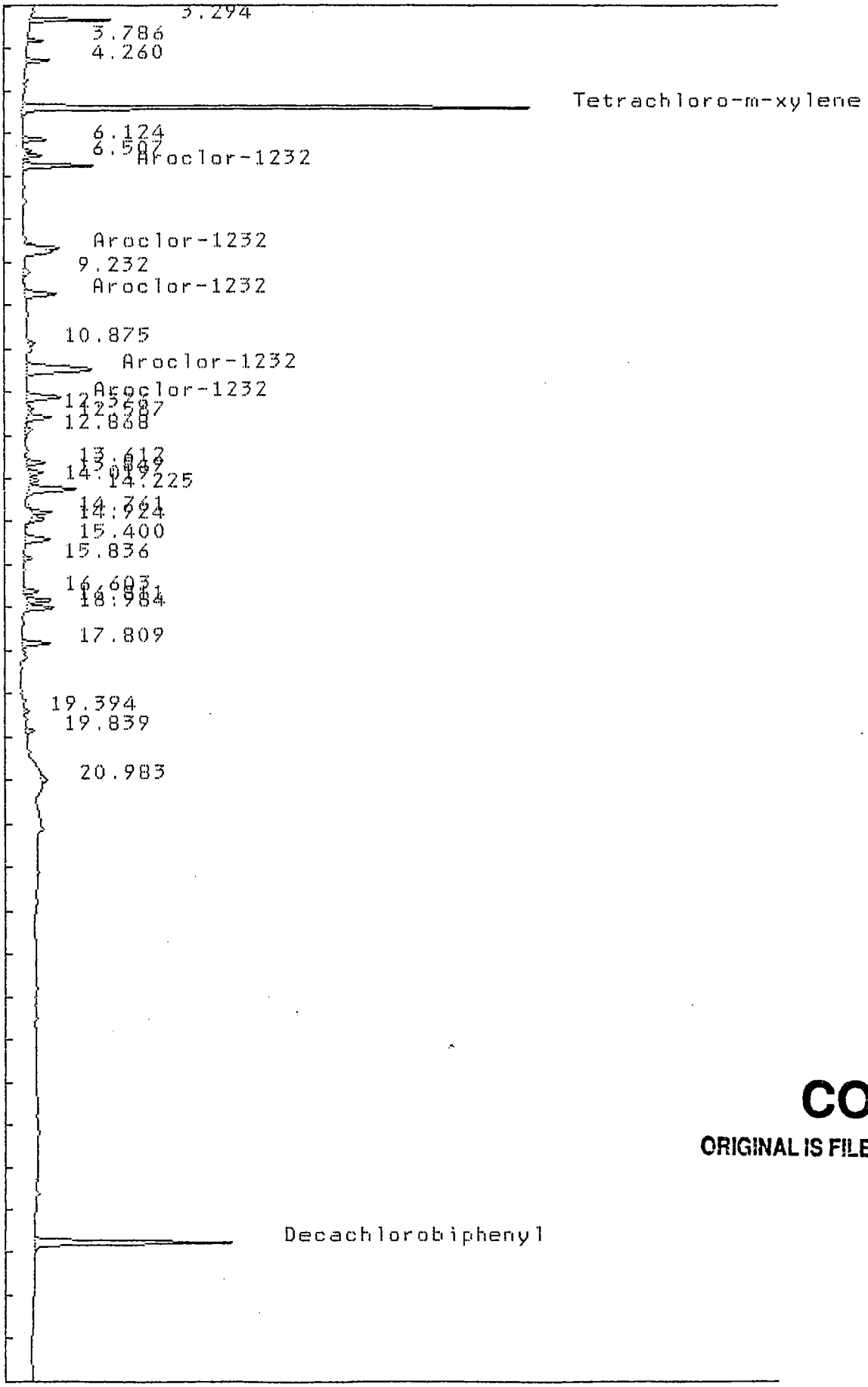
Pk#	RT	Area	Code	NG	NAME
1	3.29	81008	BB	1.870789E-02	
2	3.79	14684	BB	3.391081E-03	
3	4.26	25416	BB	5.869471E-03	
4	5.37	667918	BB	5.400660E-02	Tetrachloro-m-xylene
5	6.12	31248	BB	7.216394E-03	
6	6.51	19707	BB	4.551062E-03	
7	6.73	98690	BB	1.615734E+00	Aroclor-1232
8	8.66	22991	BB	1.176862E-01	Aroclor-1232
9	9.23	13047	BB	3.013133E-03	
10	9.73	59286	BB	9.183669E-02	Aroclor-1232
11	10.88	10356	BB	2.391525E-03	
12	11.46	176537	BB	1.114900E+00	Aroclor-1232
13	12.10	68671	BB	1.623605E-01	Aroclor-1232
14	12.38	7631	BB	1.762206E-03	
15	12.57	37677	BB	8.701038E-03	
16	12.87	13124	BB	3.030949E-03	
17	13.61	32254	BB	7.448663E-03	
18	13.85	21980	BB	5.076011E-03	
19	14.02	12155	BB	2.807147E-03	
20	14.23	95595	BB	2.207664E-02	
21	14.76	25787	BB	5.955255E-03	
22	14.92	12136	BB	2.802645E-03	
23	15.40	49911	BB	1.152648E-02	
24	15.84	11782	BB	2.720926E-03	
25	16.60	22733	BB	5.250075E-03	
26	16.81	37755	BB	8.719197E-03	
27	16.98	38824	BB	8.965999E-03	
28	17.81	43649	BB	1.008029E-02	
29	19.39	6081	BB	1.404288E-03	
30	19.84	14322	BB	3.307523E-03	
31	20.98	11645	BB	2.689408E-03	
32	31.75	328808	BB	2.416900E-02	Decachlorobiphenyl

Total Area : 2113406 Total NG : 3.340

COPY

ORIGINAL IS FILED IN CSF 18075

COLUMN ID:HP5890XB RTx5 0.53MM
SampleName : AR1232B1 (P1247B1) 1UL ASP
Method : /METHODS/XB32COPY.MTH
Injected on :Wed May 13, 1992 7:29:49 pm
Report File : /DATA/LOOP/FORMAT/GSHORT_AREA.FMT



COPY
ORIGINAL IS FILED IN CSF 18075

COLUMN ID:HP5890XB RTx5 0.53MM
Sample Name : AR1242B1 (P1248B1) 1UL ASP Report No :244.00

Peak Processor : Genie Multilevel : False
Instrument : XB Application : Loop
Calculation : ExternalSTD Quantitation : AreaUnits
Result File : /XB/XB512008.RES
Run Time : 35.00 Minutes Injected on Wed May 13, 1992 8:13:19 p

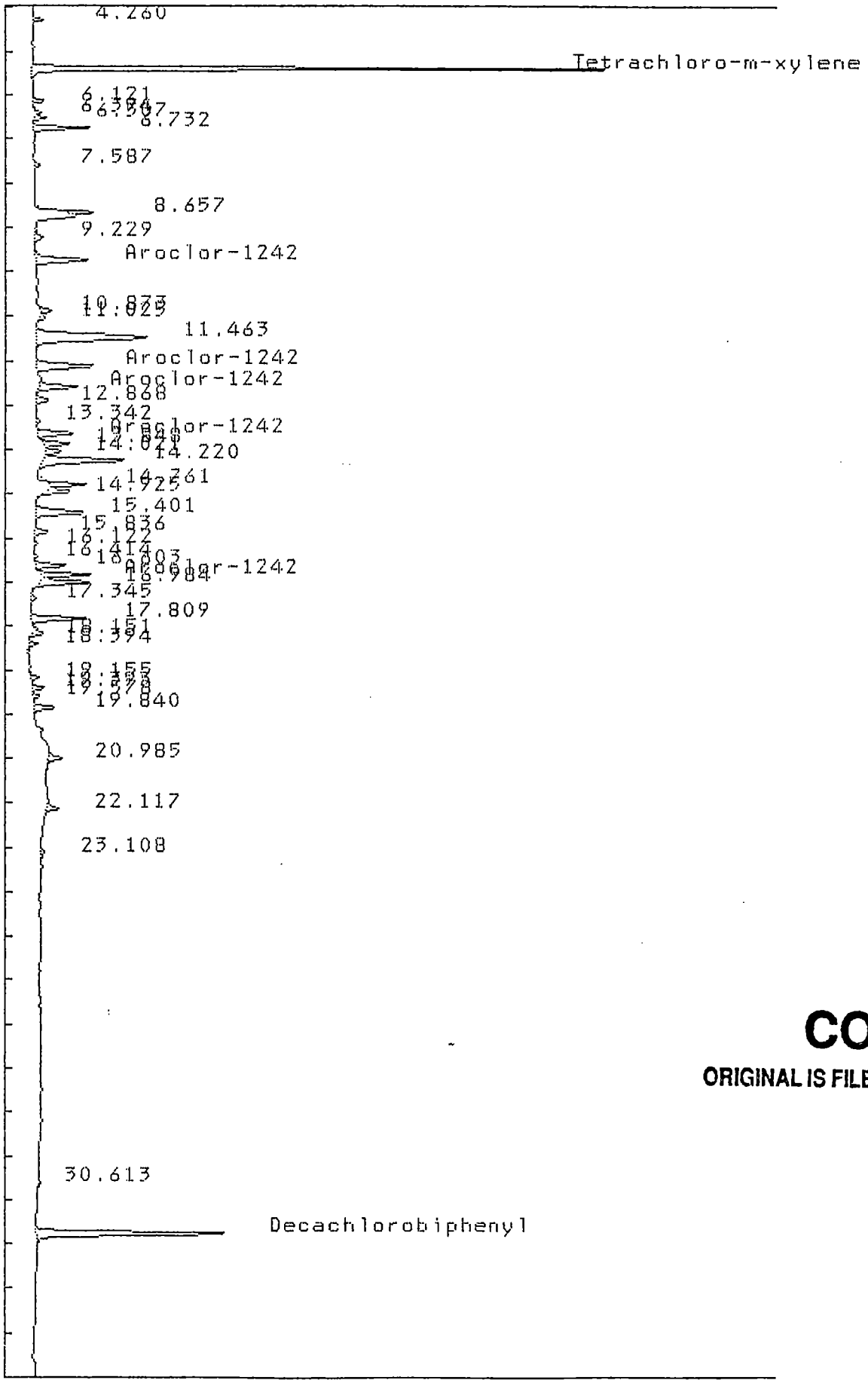
Run Status : RunStatusOK

Pk#	RT	Area	Code	NG	NAME
1	3.29	60484	BB	1.396817E-02	
2	4.26	11300	BB	2.609670E-03	
3	5.37	670402	BB	5.484387E-02	Tetrachloro-m-xylene
4	6.12	13238	BB	3.057105E-03	
5	6.39	5189	BB	1.198397E-03	
6	6.51	11873	BB	2.741914E-03	
7	6.73	73937	BB	1.707502E-02	
8	7.59	9391	BB	2.168783E-03	
9	8.66	40818	BB	9.426514E-03	
10	9.23	17010	BB	3.928359E-03	
11	9.73	100068	BB	3.116431E-01	Aroclor-1242
12	10.87	17452	BB	4.030320E-03	
13	11.03	7272	BB	1.679469E-03	
14	11.46	299978	BB	6.927687E-02	
15	12.10	119603	BB	3.432886E-01	Aroclor-1242
16	12.57	66870	BB	1.110439E-01	Aroclor-1242
17	12.87	23409	BB	5.406111E-03	
18	13.34	7448	BB	1.720128E-03	
19	13.61	61190	BB	5.901042E-02	Aroclor-1242
20	13.85	42255	BB	9.758454E-03	
21	14.02	24062	BB	5.556807E-03	
22	14.22	163519	BB	3.776298E-02	
23	14.76	49348	BB	1.139640E-02	
24	14.92	32350	BB	7.470907E-03	
25	15.40	97798	BB	2.258552E-02	
26	15.84	22252	BB	5.138919E-03	
27	16.12	4450	BB	1.027741E-03	
28	16.41	4408	BB	1.018095E-03	
29	16.60	48128	BB	1.111461E-02	
30	16.81	72467	BB	2.944065E-01	Aroclor-1242
31	16.98	76167	BB	1.758990E-02	
32	17.35	8220	BB	1.898388E-03	
33	17.81	89624	BB	2.069767E-02	
34	18.15	13067	BB	3.017699E-03	
35	18.39	13211	BB	3.050955E-03	
36	19.15	11998	BB	2.770905E-03	
37	19.39	17355	BB	4.007917E-03	
38	19.58	9313	BB	2.150715E-03	
39	19.84	33062	BB	7.635378E-03	
40	20.99	25969	BB	5.997220E-03	
41	22.12	18009	BB	4.159089E-03	
42	23.11	5988	BB	1.382926E-03	
43	30.61	4110	BB	9.491165E-04	
44	31.75	327991	BB	1.217538E-01	Decachlorobiphenyl

Total Area : 2832056 Total NG : 1.622

COPY
ORIGINAL IS FILED IN CSF 18075

COLUMN ID:HP5890XB RTx5 0.53MM
SampleName : AR1242B1 (P1248B1) 1UL ASP
Method : /METHODS/XB42COPY.MTH
Injected on :Wed May 13, 1992 8:13:19 pm
Report File : /DATA/LOOP/FORMAT/GSHORT_AREA.FMT



COPY
ORIGINAL IS FILED IN CSF 18075

COLUMN ID:HP5890XB RTx5 0.53MM
Sample Name : AR1248B1 (P1249B1) 1UL ASP Report No :245.00

Peak Processor : Genie Multilevel : False
Instrument : XB Application : Loop
Calculation : ExternalSTD Quantitation : AreaUnits
Result File : /XB/XB512009.RES
Run Time : 35.00 Minutes Injected on Wed May 13, 1992 8:56:48 p

Run Status : RunStatusOK

Pk#	RT	Area	Code	NG	NAME	
1	3.12	2072	BB	4.785234E-04		
2	3.30	87409	BB	2.018632E-02		
3	4.26	8062	BB	1.861895E-03		
4	5.37	680877	BB	5.663042E-02	Tetrachloro-m-xylene	
5	6.39	8335	BB	1.924769E-03		
6	6.73	7151	BB	1.651365E-03		
7	7.59	2748	BB	6.346974E-04		
8	8.66	73303	BB	2.355916E-01	Aroclor-1248	1
9	9.23	6350	BB	1.466533E-03		
10	9.73	45219	BB	8.455352E-02	Aroclor-1248	2
11	10.22	3896	BB	8.997265E-04		
12	10.87	7734	BB	1.785999E-03		
13	11.45	197803	BB	3.669866E-01	Aroclor-1248	3
14	12.10	65059	BB	1.502484E-02		
15	12.38	6562	BB	1.515404E-03		
16	12.57	29252	BB	6.755508E-03		
17	12.87	30195	BB	6.973327E-03		
18	13.34	9883	BB	2.282380E-03		
19	13.61	114336	BB	7.086754E-01	Aroclor-1248	4
20	13.85	64929	BB	1.499480E-02		
21	14.02	36520	BB	8.433884E-03		
22	14.22	134440	BB	3.104768E-02		
23	14.76	95489	BB	2.205217E-02		
24	14.93	24374	BB	5.628956E-03		
25	15.40	150981	BB	1.564018E-01	Aroclor-1248	
26	15.84	33963	BB	7.843465E-03		
27	16.12	4074	BB	9.407360E-04		
28	16.41	6060	BB	1.399502E-03		
29	16.60	78264	BB	1.807426E-02		
30	16.81	129221	BB	2.984232E-02		
31	16.99	137474	BB	3.174822E-02		
32	17.34	17634	BB	4.072327E-03		
33	17.81	140817	BB	3.252021E-02		
34	18.05	5611	BB	1.295696E-03		
35	18.15	32892	BB	7.595965E-03		
36	18.39	36865	BB	8.513618E-03		
37	18.92	5698	BB	1.315781E-03		
38	19.15	32556	BB	7.518476E-03		
39	19.39	48403	BB	1.117825E-02		
40	19.58	26576	BB	6.137454E-03		
41	19.84	87354	BB	2.017353E-02		
42	20.34	17013	BB	3.928898E-03		
43	20.78	7702	BB	1.778758E-03		
44	20.98	64766	BB	1.495699E-02		

COPY

ORIGINAL IS FILED IN CSF 18075

COLUMN ID:HP5890XB RTx5 0.53MM

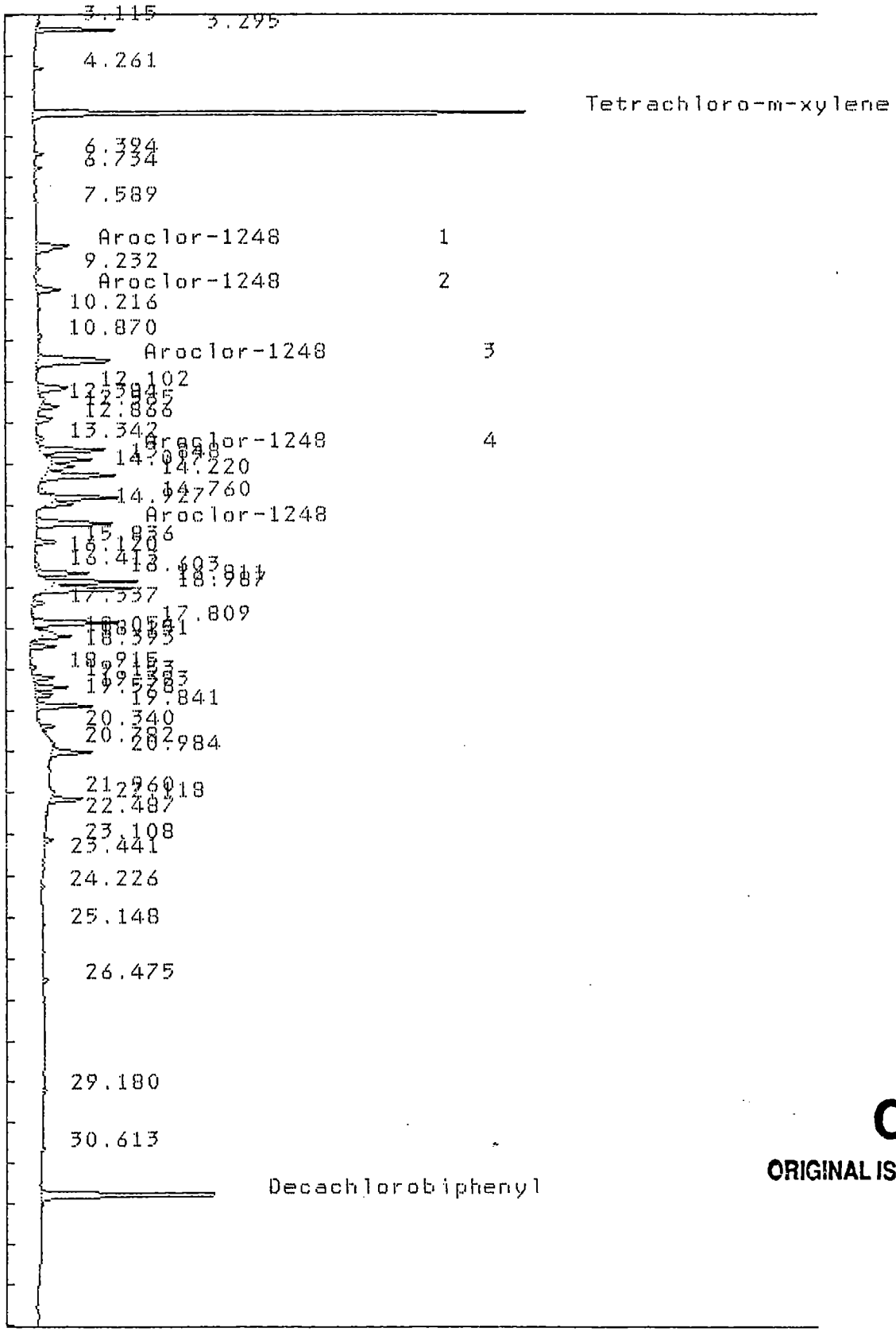
AR1248B1
5/13/92 20:56

Pk#	RT	Area	Code	NG	NAME
45	21.96	2785	BB	6.431045E-04	
46	22.12	47891	BB	1.105983E-02	
47	22.49	3298	BB	7.616158E-04	
48	23.11	15547	BB	3.590428E-03	
49	23.44	2001	BB	4.621099E-04	
50	24.23	2492	BB	5.755825E-04	
51	25.15	2222	BB	5.132426E-04	
52	26.47	7989	BB	1.845009E-03	
53	29.18	3763	BB	8.689394E-04	
54	30.61	4256	BB	9.828950E-04	
55	31.75	322641	BB	2.375323E-02	Decachlorobiphenyl

Total Area : 3220804 Total NG : 2.010

COPY
ORIGINAL IS FILED IN CSF 18075

COLUMN ID:HP5890XB RTx5 0.53MM
SampleName : AR1248B1 (P1249B1) 1UL ASP
Method : /METHODS/XB48COPY.MTH
Injected on :Wed May 13, 1992 8:56:48 pm
Report File : /DATA/LOOP/FORMAT/GSHORT_AREA.FMT



COPY
ORIGINAL IS FILED IN CSF 18075

COLUMN ID:HP5890XB RTx5 0.53MM
Sample Name : AR1254B1 (P1250B1) 1UL ASP Report No :246.00

Peak Processor : Genie Multilevel : False
Instrument : XB Application : Loop
Calculation : ExternalSTD Quantitation : AreaUnits
Result File : /XB/XB512010.RES
Run Time : 35.00 Minutes Injected on Wed May 13, 1992 9:40:18 p

Run Status : RunStatusOK
EndOffBaseline

Pk#	RT	Area	Code	NG	NAME
1	3.29	59811	BB	1.381268E-02	
2	4.26	8589	BB	1.983487E-03	
3	5.37	658138	BB	5.423260E-02	Tetrachloro-m-xylene
4	6.39	8793	BB	2.030601E-03	
5	11.43	6298	BB	1.454530E-03	
6	12.38	9286	BB	2.144547E-03	
7	13.61	91022	BB	2.102054E-02	
8	13.85	21999	BB	5.080394E-03	
9	14.22	137837	BB	3.183209E-02	
10	14.76	54214	BB	1.252029E-02	
11	15.41	25838	BB	5.966915E-03	
12	15.84	5201	BB	1.201098E-03	
13	16.60	21943	BB	5.067484E-03	
14	16.81	71760	BB	1.657216E-02	
15	17.02	148062	BB	2.330718E-01	Aroclor-1254
16	17.33	23559	BB	5.440711E-03	
17	17.88	46493	BB	1.073721E-02	
18	18.15	220336	BB	3.516470E-01	Aroclor-1254
19	18.39	70350	BB	1.624661E-02	
20	18.91	11525	BB	2.661612E-03	
21	19.15	60937	BB	1.407279E-02	
22	19.39	116551	BB	1.416622E-01	Aroclor-1254
23	19.57	26095	BB	6.026390E-03	
24	19.84	193546	BB	1.761799E-01	Aroclor-1254
25	20.35	49892	BB	1.152211E-02	
26	20.58	25332	BB	5.850250E-03	
27	20.77	6229	BB	1.438447E-03	
28	20.98	238624	BB	2.562312E-01	Aroclor-1254
29	21.35	5961	BB	1.376521E-03	
30	21.70	20430	BB	4.718179E-03	
31	21.96	63143	BB	1.458233E-02	
32	22.10	58719	BB	1.356054E-02	
33	22.48	42240	BB	9.754809E-03	
34	22.77	8140	BB	1.879852E-03	
35	22.88	8606	BB	1.987551E-03	
36	23.10	216331	BB	4.995949E-02	
37	23.43	16398	BB	3.786940E-03	
38	23.78	9648	BB	2.228183E-03	
39	23.98	10589	BB	2.445424E-03	
40	24.22	53433	BB	1.233978E-02	
41	24.72	13461	BB	3.108650E-03	
42	24.93	7447	BB	1.719748E-03	
43	25.14	32964	BB	7.612688E-03	

COPY
ORIGINAL IS FILED IN CSF 18075

COLUMN ID:HP5890XB RTx5 0.53MM

AR1254B1
5/13/92 21:40

Pk#	RT	Area	Code	NG	NAME
44	25.37	5700	BB	1.316277E-03	
45	25.80	31359	BB	7.242028E-03	
46	26.47	6642	BB	1.533903E-03	
47	26.93	25989	BB	6.001935E-03	
48	31.74	326175	BB	2.402508E-02	Decachlorobiphenyl

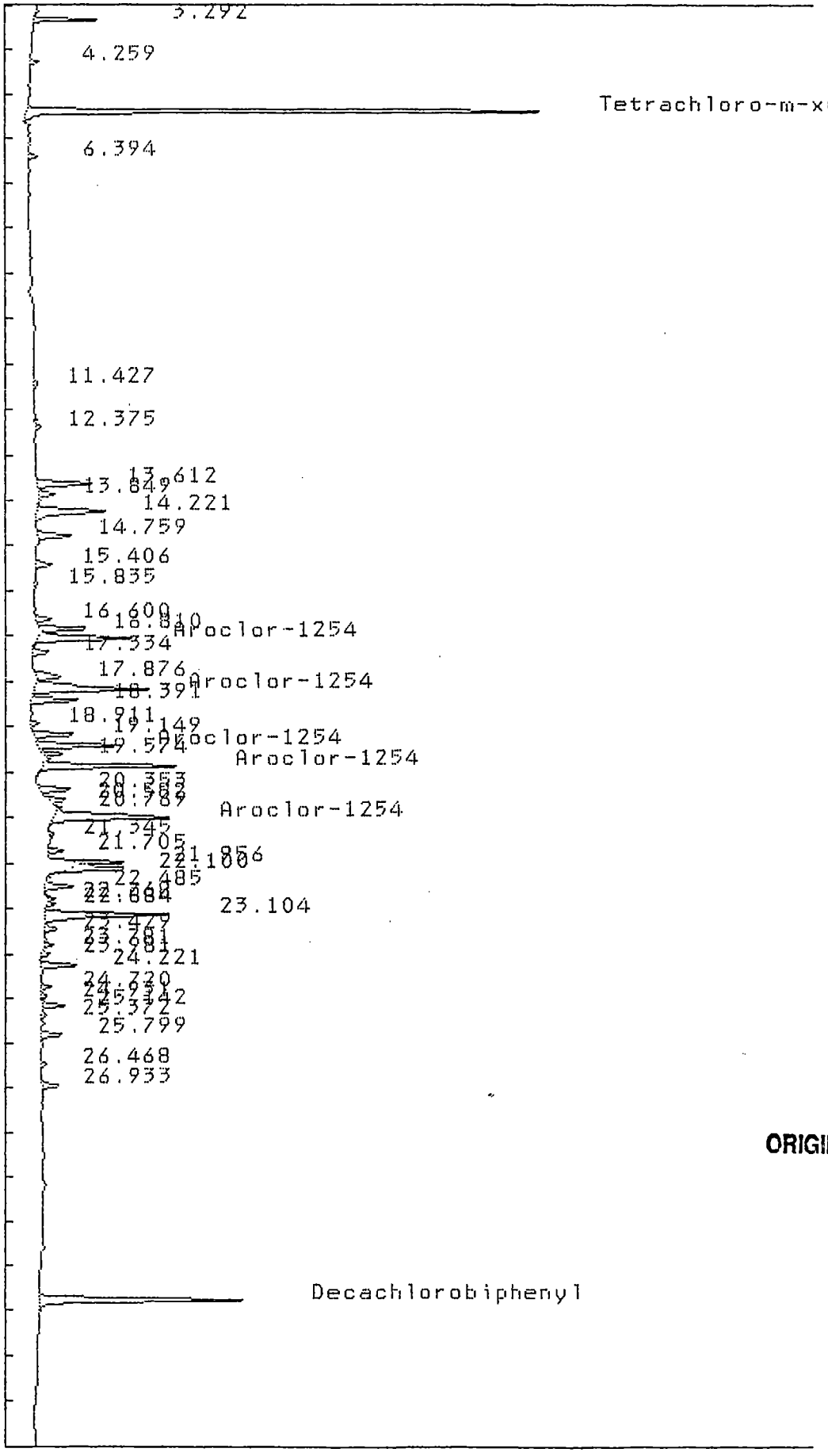
Total Area : 3381634 Total NG : 1.579

COPY

ORIGINAL IS FILED IN CSF 18075

COLUMN ID:HP5890XB RTx5 0.53MM

SampleName : AR1254B1 (P1250B1) 1UL ASP
Method : /METHODS/XB54COPY.MTH
Injected on :Wed May 13, 1992 9:40:18 pm
Report File : /DATA/LOOP/FORMAT/GSHORT_AREA.FMT



COPY

ORIGINAL IS FILED IN CSF 18075

COLUMN ID:HP5890XB RTx5 0.53MM
Sample Name : TOXAPHB1 (P1251B1) 1UL ASP Report No :247.00

Peak Processor : Genie Multilevel : False
Instrument : XB Application : Loop
Calculation : ExternalSTD Quantitation : AreaUnits
Result File : /XB/XB512011.RES
Run Time : 35.00 Minutes Injected on Wed May 13, 1992 10:23:51 p

Run Status : RunStatusOK

Pk#	RT	Area	Code	NG	NAME
1	3.29	46110	BB	1.064869E-02	
2	5.37	673559	BB	5.569088E-02	Tetrachloro-m-xylene
3	6.39	9502	BB	2.194316E-03	
4	6.77	5324	BB	1.229460E-03	
5	10.22	4054	BB	9.362411E-04	
6	11.53	6260	BB	1.445769E-03	
7	12.38	6866	BB	1.585724E-03	
8	13.11	11933	BB	2.755778E-03	
9	14.02	15214	BB	3.513627E-03	
10	14.22	112067	BB	2.588076E-02	
11	14.61	9217	BB	2.128516E-03	
12	14.90	5208	BB	1.202736E-03	
13	15.17	32767	BB	7.567280E-03	
14	15.79	14107	BB	3.257873E-03	
15	16.21	96949	BB	2.238943E-02	
16	16.55	12720	BB	2.937592E-03	
17	16.74	35146	BB	8.116663E-03	
18	16.93	12805	BB	2.957198E-03	
19	17.23	92523	BB	2.136737E-02	
20	17.73	65292	BB	1.507845E-02	
21	17.94	22157	BB	5.116953E-03	
22	18.13	10978	BB	2.535185E-03	
23	18.30	41398	BB	9.560380E-03	
24	18.52	55545	BB	1.282758E-02	
25	18.72	7182	BB	1.658654E-03	
26	18.92	23352	BB	5.392933E-03	
27	19.14	12791	BB	2.953997E-03	
28	19.26	53219	BB	1.229040E-02	
29	19.38	27413	BB	6.330661E-03	
30	19.76	66193	BB	1.528651E-02	
31	19.89	56039	BB	1.294154E-02	
32	20.21	19590	BB	4.524226E-03	
33	20.33	148171	BB	3.421862E-02	
34	20.75	109579	BB	7.164559E-01	Toxaphene
35	21.06	210172	BB	4.853719E-02	
36	21.32	39544	BB	1.799527E-01	Toxaphene
37	21.92	34038	BB	7.860823E-03	
38	22.16	174247	BB	4.024059E-02	
39	22.38	86403	BB	1.995401E-02	
40	22.66	220521	BB	5.092719E-02	
41	22.92	190815	BB	4.406670E-02	
42	23.07	225393	BB	5.205227E-02	
43	23.27	163131	BB	3.767359E-02	
44	23.58	285031	BB	2.513057E+00	Toxaphene

COPY
ORIGINAL IS FILED IN CSF 18075

COLUMN ID:HP5890XB RTx5 0.53MM

TOXAPHB1
5/13/92 22:23

Pk#	RT	Area	Code	NG	NAME
45	23.79	28972	BB	6.690788E-03	
46	24.10	383674	BB	3.411925E+00	Toxaphene
47	24.40	388892	BB	2.109781E+00	Toxaphene
48	24.71	234993	BB	5.426922E-02	
49	24.88	51925	BB	1.199168E-02	
50	25.05	154065	BB	3.557978E-02	
51	25.40	233572	BB	5.394116E-02	
52	25.62	25530	BB	5.895866E-03	
53	25.71	22327	BB	5.156305E-03	
54	25.89	75543	BB	1.744584E-02	
55	26.17	208751	BB	4.820894E-02	
56	26.39	27339	BB	6.313611E-03	
57	26.50	5094	BB	1.176339E-03	
58	26.63	38285	BB	8.841597E-03	
59	26.74	18028	BB	4.163395E-03	
60	26.92	96004	BB	2.217117E-02	
61	27.18	33927	BB	7.835018E-03	
62	27.32	23522	BB	5.432246E-03	
63	27.80	4443	BB	1.026079E-03	
64	28.02	7795	BB	1.800264E-03	
65	28.30	15731	BB	3.632968E-03	
66	28.68	5705	BB	1.317409E-03	
67	28.80	12435	BB	2.871691E-03	
68	29.25	7668	BB	1.770823E-03	
69	29.39	9119	BB	2.105894E-03	
70	29.84	6074	BB	1.402735E-03	
71	30.60	5574	BB	1.287145E-03	
72	31.05	4200	BB	9.699392E-04	
73	31.74	321993	BB	2.384005E-02	Decachlorobiphenyl

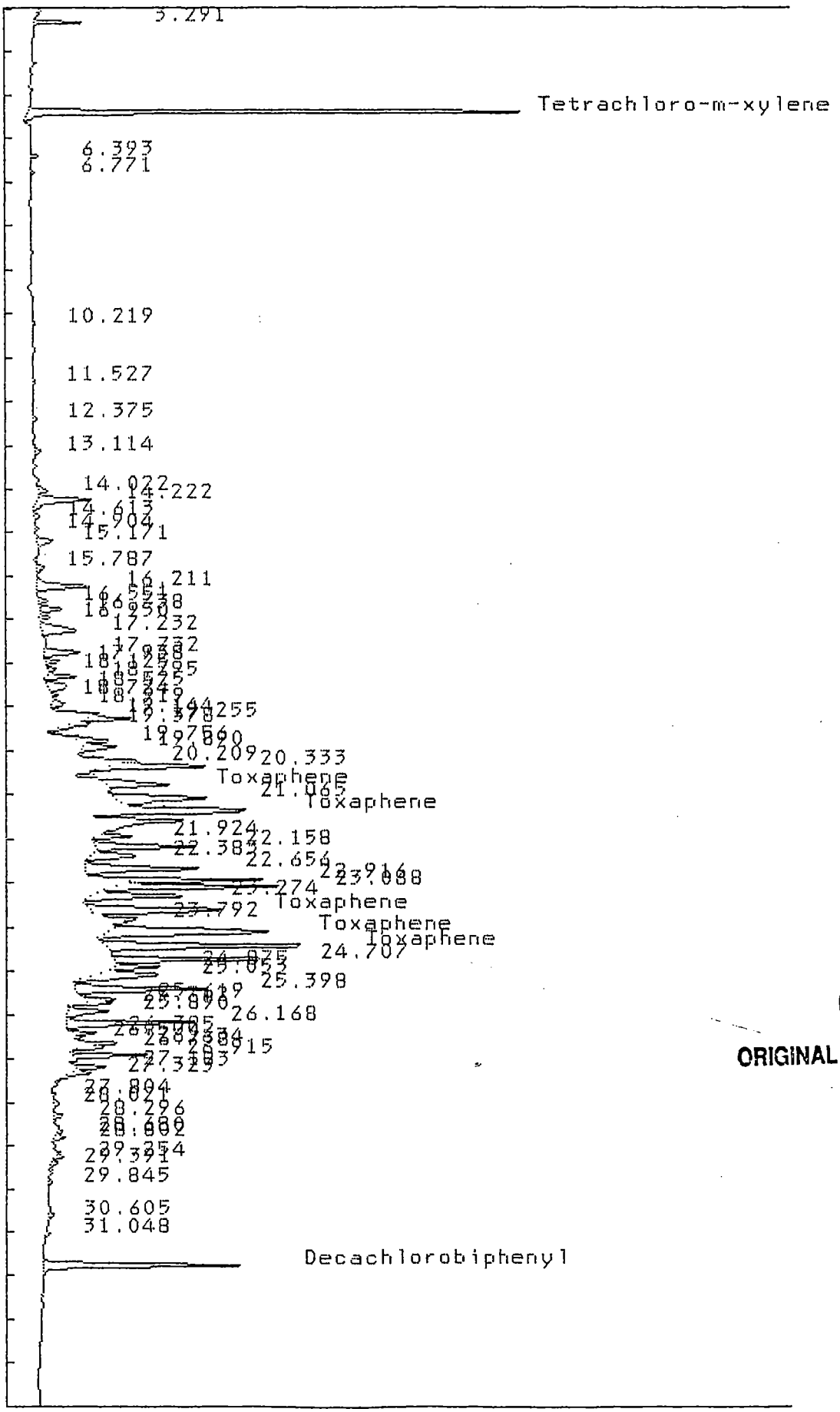
Total Area : 6001707 Total NG : 9.888

COPY

ORIGINAL IS FILED IN CSF 18075

COLUMN ID:HP5890XB RTx5 0.53MM

SampleName : TOXAPHB1 (P1251B1) 1UL ASP
Method : /METHODS/XBTOXCOPY.MTH
Injected on :Wed May 13, 1992 10:23:51 pm
Report File : /DATA/LOOP/FORMAT/GSHORT_AREA.FMT



COPY

ORIGINAL IS FILED IN CSF 18075

COLUMN ID:HP5890XA RTx1701 .53MM
Sample Name : INDAMA5 (P1239A5) 1UL TMB Report No : 22.00

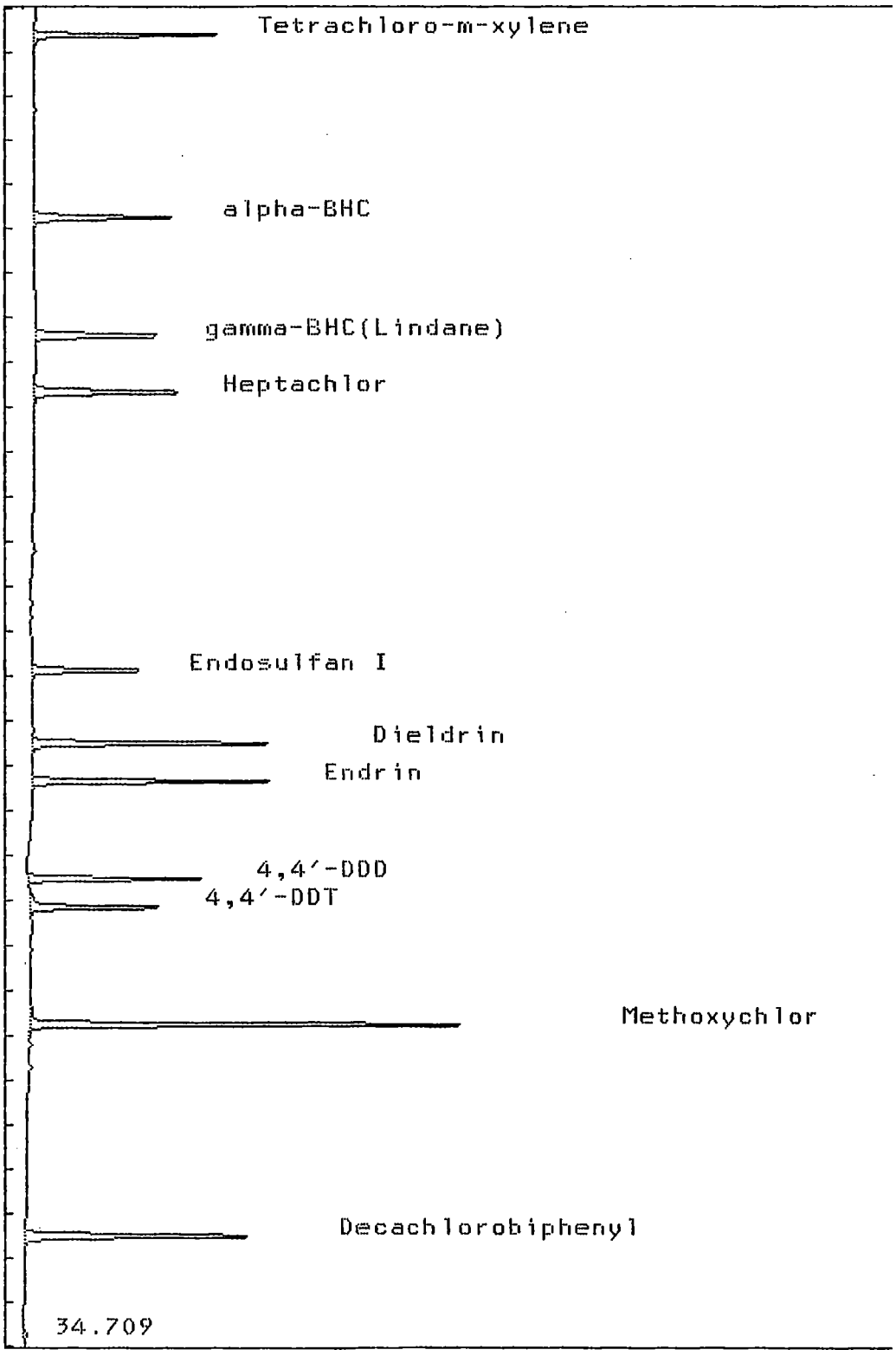
Peak Processor : Genie Multilevel : False
Instrument : XA Application : Loop
Calculation : ExternalSTD Quantitation : AreaUnits
Result File : /XA/XA518015.RES
Run Time : 35.00 Minutes Injected on Tue May 19, 1992 3:28:29 a

Run Status : SignalOverload

Pk#	RT	Area	Code	NG	NAME
1	3.86	8917	BB	2.059298E-03	
2	4.15	8728	BB	2.015541E-03	
3	4.33	66372	BB	1.532804E-02	
4	4.56	17414	BB	4.021532E-03	
5	5.57	294204	BB	1.556824E-02	Tetrachloro-m-xylene
6	9.72	299137	BB	1.875424E-02	alpha-BHC
7	12.37	303807	BB	1.720065E-02	gamma-BHC(Lindane)
8	13.62	361138	BB	2.351910E-02	Heptachlor
9	19.83	244633	BB	1.750067E-02	Endosulfan I
10	21.46	475051	BB	3.907609E-02	Dieldrin
11	22.31	433989	BB	4.946653E-02	Endrin
12	24.48	314577	BB	3.552802E-02	4,4'-DDD
13	25.12	285294	BB	1.041410E-01	4,4'-DDT
14	27.71	854783	BB	3.168272E-01	Methoxychlor
15	32.46	512940	BB	3.771831E-02	Decachlorobiphenyl
16	34.71	12261	BB	2.831519E-03	

Total Area : 4493248 Total NG : .702

COLUMN ID:HP5890XA RTx1701 .53MM
SampleName : INDAMA5 (P1239A5) 1UL TMB
Method : /methods/XAIAIB514.MTH
Injected on :Tue May 19, 1992 3:28:29 am
Report File : /DATA/LOOP/FORMAT/GSHORT_AREA.FMT



COLUMN ID:HP5890XA RTx1701 .53MM
Sample Name : INDBMA5 (P1242A5) 1UL TMB Report No : 23.00

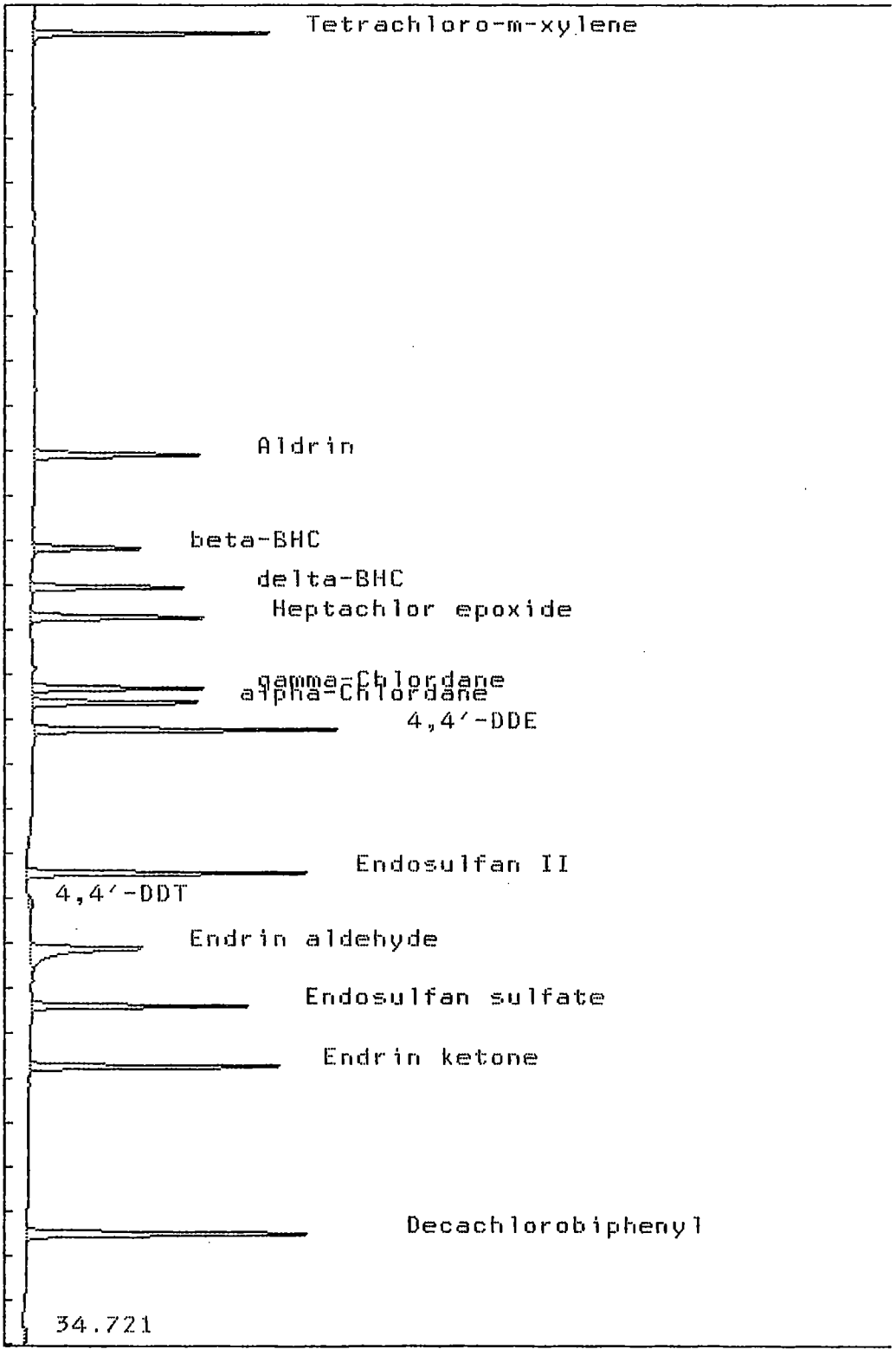
Peak Processor : Genie Multilevel : False
Instrument : XA Application : Loop
Calculation : ExternalSTD Quantitation : AreaUnits
Result File : /XA/XA518016.RES
Run Time : 35.00 Minutes Injected on Tue May 19, 1992 4:12:01 a

Run Status : EndOffBaseline
SignalOverload

Pk#	RT	Area	Code	NG	NAME
1	4.33	51461	BB	1.188443E-02	
2	4.57	12582	BB	2.905624E-03	
3	5.57	315213	BB	1.667998E-02	Tetrachloro-m-xylene
4	15.05	288220	BB	1.931694E-02	Aldrin
5	17.13	170262	BB	2.006932E-02	beta-BHC
6	18.01	238291	BB	1.931475E-02	delta-BHC
7	18.68	282932	BB	1.978085E-02	Heptachlor epoxide
8	20.27	263474	BB	1.850164E-02	gamma-Chlordane
9	20.58	276910	BB	1.873456E-02	alpha-Chlordane
10	21.19	462761	BB	3.831353E-02	4,4'-DDE
11	24.40	420495	BB	3.880269E-02	Endosulfan II
12	25.05	17850	BB	6.515860E-03	4,4'-DDT
13	26.08	317731	BB	4.129802E-02	Endrin aldehyde
14	27.35	311258	BB	3.734192E-02	Endosulfan sulfate
15	28.70	386643	BB	5.077051E-02	Endrin ketone
16	32.46	518996	BB	3.816359E-02	Decachlorobiphenyl
17	34.72	9708	BB	2.242066E-03	

Total Area : 4344788 Total NG : .401

COLUMN ID:HP5890XA RTx1701 .53MM
SampleName : INDBMA5 (P1242A5) 1UL TMB
Method : /methods/XAIAIB514.MTH
Injected on :Tue May 19, 1992 4:12:01 am
Report File : /DATA/LOOP/FORMAT/GSHORT_AREA.FMT



COLUMN ID:HP5890XB RTx5 .53MM
Sample Name : INDAMB5 (P1239B5) 1UL TMB Report No : 22.00

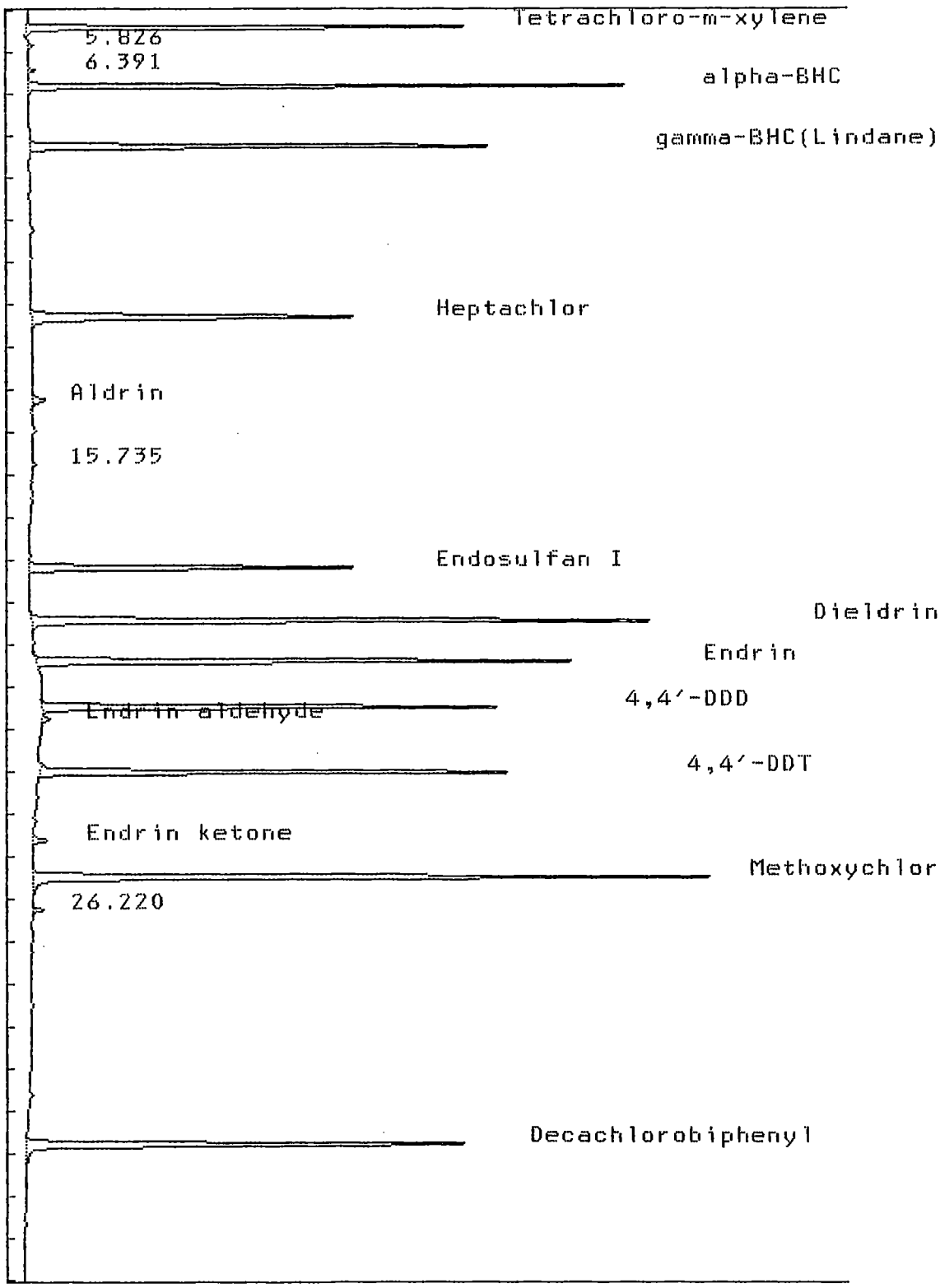
Peak Processor : Genie Multilevel : False
Instrument : XB Application : Loop
Calculation : ExternalSTD Quantitation : AreaUnits
Result File : /XB/XB518015.RES
Run Time : 35.00 Minutes Injected on Tue May 19, 1992 3:28:29 a

Run Status : SignalOverload

Pk#	RT	Area	Code	NG	NAME
1	5.37	726233	BB	5.132912E-02	Tetrachloro-m-xylene
2	5.83	10154	BB	2.344951E-03	
3	6.39	10485	BB	2.421307E-03	
4	6.77	982814	BB	8.300969E-02	alpha-BHC
5	8.21	960958	BB	7.123643E-02	gamma-BHC(Lindane)
6	12.26	811023	BB	6.285077E-02	Heptachlor
7	14.21	42106	BB	3.793049E-03	Aldrin
8	15.74	8419	BB	1.944372E-03	
9	18.14	668568	BB	5.574217E-02	Endosulfan I
10	19.38	1291366	BB	1.204293E-01	Dieldrin
11	20.34	1089435	BB	1.629152E-01	Endrin
12	21.43	906670	BB	1.097306E-01	4,4'-DDD
13	21.73	13192	BB	1.611541E-03	Endrin aldehyde
14	22.96	974499	BB	1.637431E-01	4,4'-DDT
15	24.59	28886	BB	2.838864E-03	Endrin ketone
16	25.44	1562768	BB	1.562768E+06	Methoxychlor
17	26.22	19031	BB	4.395000E-03	
18	31.74	1005193	BB	7.488777E-02	Decachlorobiphenyl

Total Area : 11111798 Total NG : 1562769.000

COLUMN ID:HP5890XB RTx5 .53MM
SampleName : INDAMB5 (P1239B5) 1UL TMB
Method : /METHODS/XBIAIB514.MTH
Injected on :Tue May 19, 1992 3:28:29 am
Report File : /DATA/LOOP/FORMAT/GSHORT_AREA.FMT



COLUMN ID:HP5890XB RTx5 .53MM
Sample Name : INDBMB5 (P1242B5) 1UL TMB Report No : 23.00

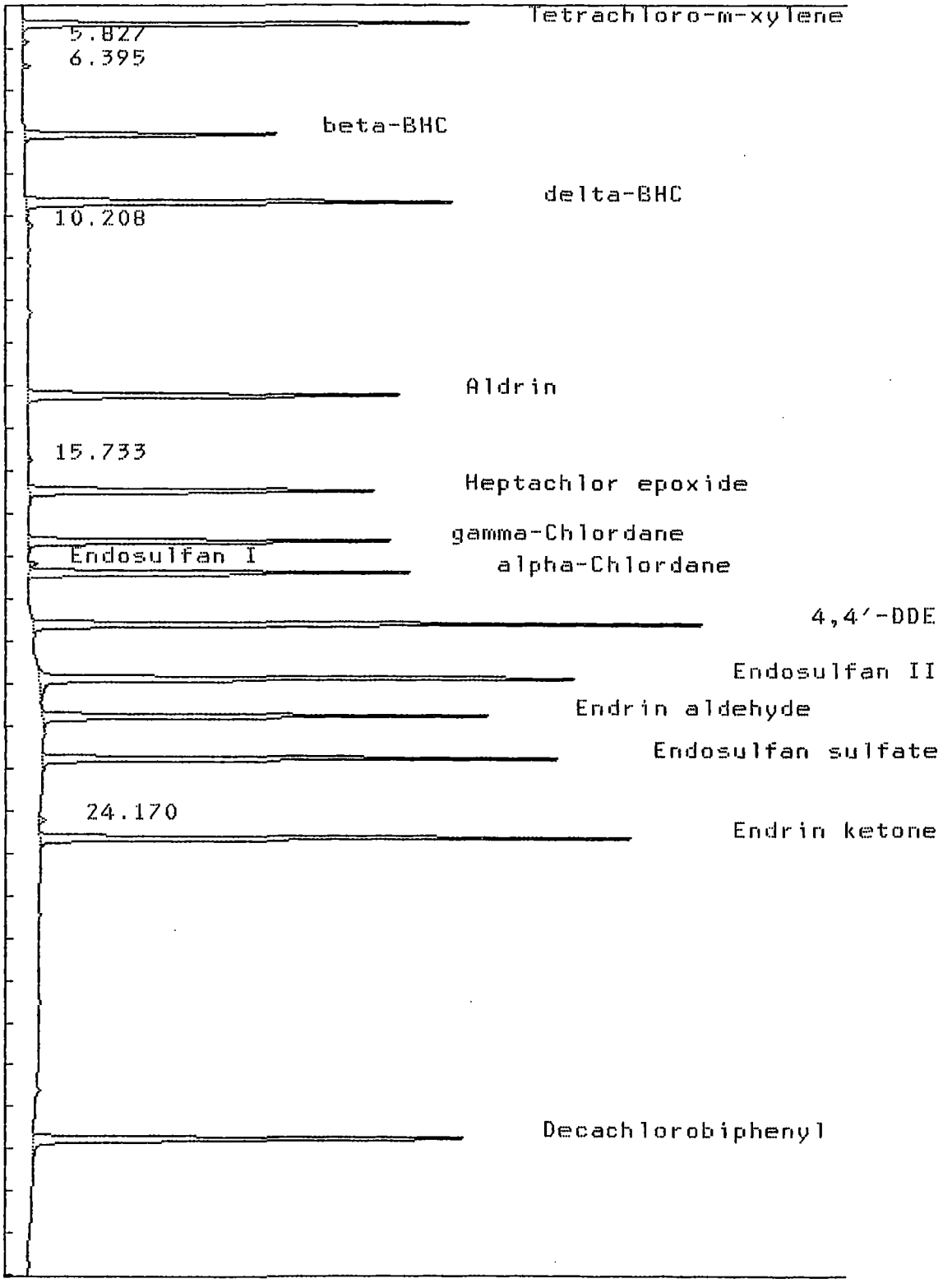
Peak Processor : Genie Multilevel : False
Instrument : XB Application : Loop
Calculation : ExternalSTD Quantitation : AreaUnits
Result File : /XB/XB518016.RES
Run Time : 35.00 Minutes Injected on Tue May 19, 1992 4:12:01 a

Run Status : EndOffBaseline
SignalOverload

Pk#	RT	Area	Code	NG	NAME
1	5.37	767592	BB	5.425233E-02	Tetrachloro-m-xylene
2	5.83	9709	BB	2.242089E-03	
3	6.39	12178	BB	2.812467E-03	
4	8.03	518579	BB	7.111172E-02	beta-BHC
5	9.64	979852	BB	8.675867E-02	delta-BHC
6	10.21	12433	BB	2.871186E-03	
7	14.19	845820	BB	7.619487E-02	Aldrin
8	15.73	8014	BB	1.850840E-03	
9	16.43	752079	BB	5.893735E-02	Heptachlor epoxide
10	17.61	767762	BB	5.984375E-02	gamma-Chlordane
11	18.14	13841	BB	1.153997E-03	Endosulfan I
12	18.35	776721	BB	5.891953E-02	alpha-Chlordane
13	19.56	1332233	BB	1.322727E-01	4,4'-DDE
14	20.84	1209259	BB	1.153274E-01	Endosulfan II
15	21.73	895754	BB	1.094227E-01	Endrin aldehyde
16	22.72	1029800	BB	1.158937E-01	Endosulfan sulfate
17	24.17	15561	BB	3.593773E-03	
18	24.59	1168770	BB	1.148654E-01	Endrin ketone
19	31.74	1011550	BB	7.536142E-02	Decachlorobiphenyl

Total Area : 12127512 Total NG : 1.144

COLUMN ID:HP5890XB RTx5 .53MM
SampleName : INDBMB5 (P1242B5) 1UL TMB
Method : /METHODS/XBIAIB514.MTH
Injected on :Tue May 19, 1992 4:12:01 am
Report File : /DATA/LOOP/FORMAT/GSHORT_AREA.FMT



COLUMN ID:HP5890XA RTx1701 .53MM
Sample Name : INDAMA6 (P1239A6) 1UL TMB Report No : 43.00

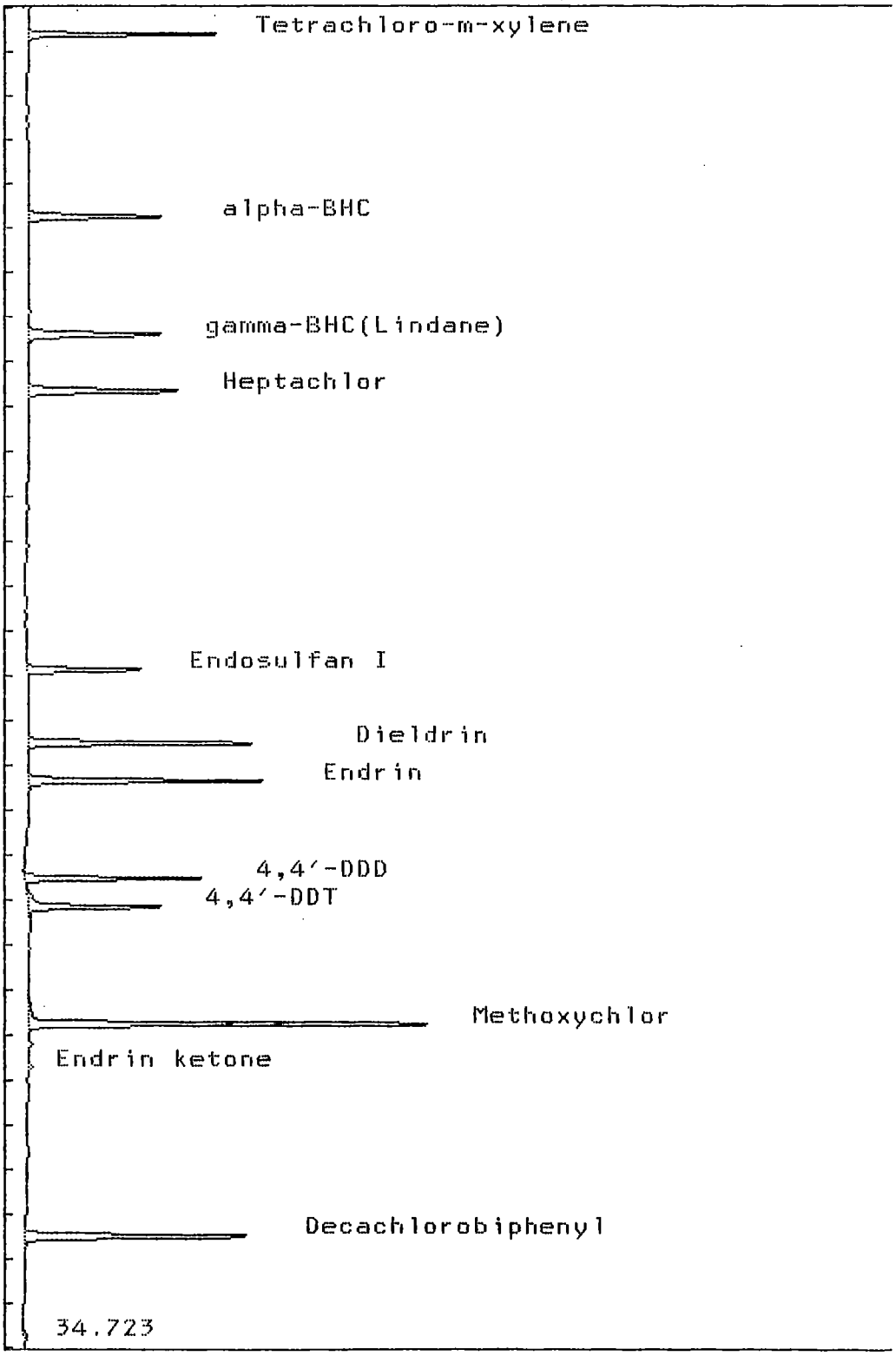
Peak Processor : Genie Multilevel : False
Instrument : XA Application : Loop
Calculation : ExternalSTD Quantitation : AreaUnits
Result File : /XA/XA518036.RES
Run Time : 35.00 Minutes Injected on Tue May 19, 1992 6:41:38 p

Run Status : EndOffBaseline
SignalOverload

Pk#	RT	Area	Code	NG	NAME
1	3.86	23075	BB	5.328999E-03	
2	4.15	21473	BB	4.959010E-03	
3	4.32	158046	BB	3.649919E-02	
4	4.56	40713	BB	9.402260E-03	
5	5.57	294691	BB	1.559402E-02	Tetrachloro-m-xylene
6	9.72	300340	BB	1.882966E-02	alpha-BHC
7	12.36	302442	BB	1.712337E-02	gamma-BHC(Lindane)
8	13.62	358289	BB	2.333350E-02	Heptachlor
9	19.83	245190	BB	1.754048E-02	Endosulfan I
10	21.46	475652	BB	3.912554E-02	Dieldrin
11	22.31	436799	BB	4.978684E-02	Endrin
12	24.48	312530	BB	3.529681E-02	4,4'-DDD
13	25.12	286260	BB	1.044934E-01	4,4'-DDT
14	27.71	845692	BB	3.134575E-01	Methoxychlor
15	28.68	8731	BB	1.146469E-03	Endrin ketone
16	32.45	521875	BB	3.837533E-02	Decachlorobiphenyl
17	34.72	10440	BB	2.411097E-03	

Total Area : 4642240 Total NG : .733

COLUMN ID:HP5890XA RTx1701 .53MM
SampleName : INDAMA6 (P1239A6) 1UL TMB
Method : /methods/XAIAIB514.MTH
Injected on :Tue May 19, 1992 6:41:38 pm
Report File : /DATA/LOOP/FORMAT/GSHORT_AREA.FMT



COLUMN ID:HP5890XA RTx1701 .53MM
Sample Name : INDBMA6 (P1242A6) 1UL TMB Report No : 44.00

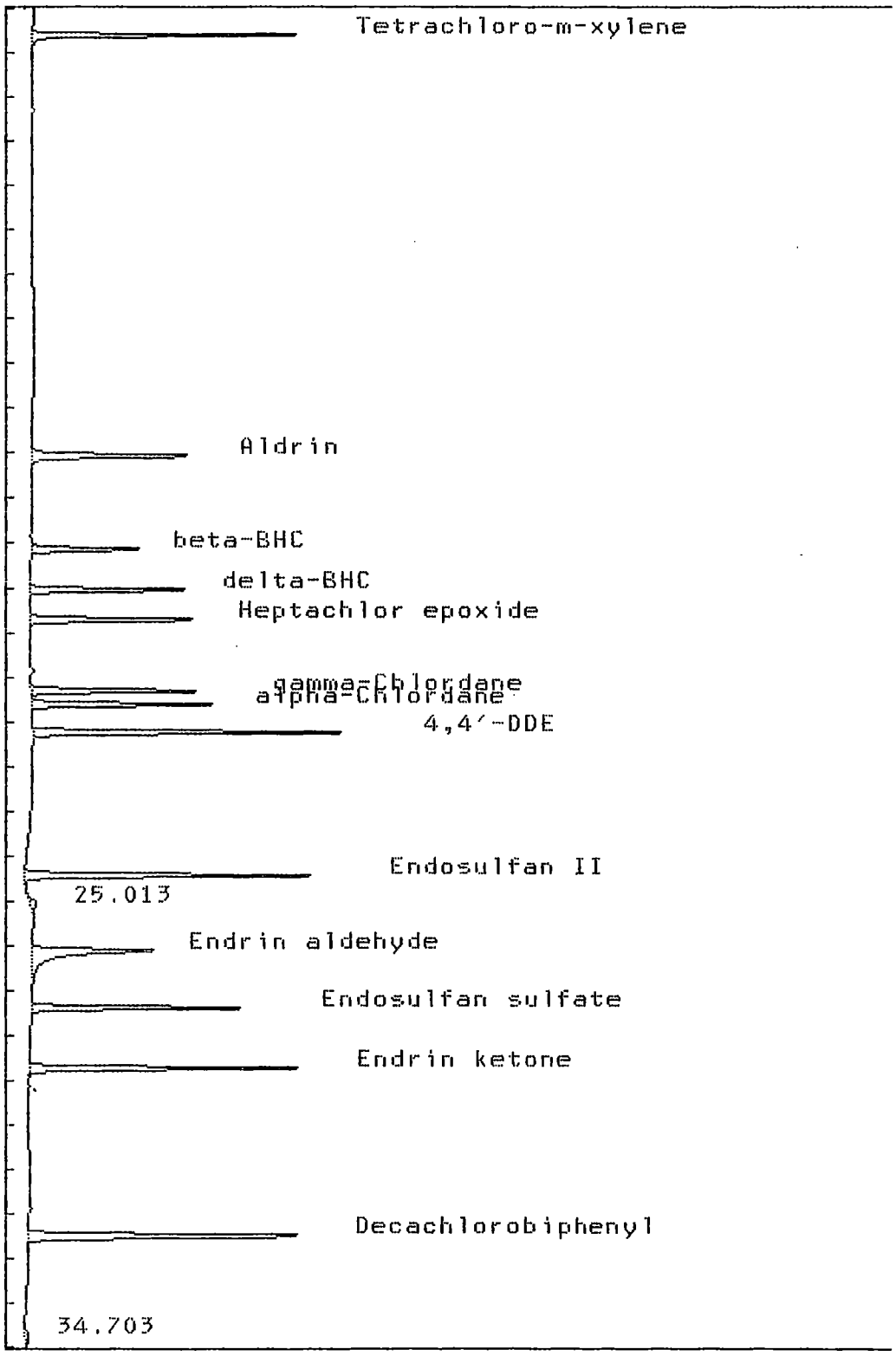
Peak Processor : Genie Multilevel : False
Instrument : XA Application : Loop
Calculation : ExternalSTD Quantitation : AreaUnits
Result File : /XA/XA518037.RES
Run Time : 35.00 Minutes Injected on Tue May 19, 1992 7:25:07 p

Run Status : EndOffBaseline
SignalOverload

Pk#	RT	Area	Code	NG	NAME
1	3.85	24346	BB	5.622524E-03	
2	4.14	22327	BB	5.156206E-03	
3	4.32	152409	BB	3.519745E-02	
4	4.56	39362	BB	9.090275E-03	
5	5.56	323588	BB	1.712317E-02	Tetrachloro-m-xylene
6	15.04	295114	BB	1.977897E-02	Aldrin
7	17.11	171564	BB	2.022280E-02	beta-BHC
8	17.99	242581	BB	1.966246E-02	delta-BHC
9	18.66	287253	BB	2.008296E-02	Heptachlor epoxide
10	20.26	266304	BB	1.870037E-02	gamma-Chlordane
11	20.56	280580	BB	1.898287E-02	alpha-Chlordane
12	21.18	466387	BB	3.861370E-02	4,4'-DDE
13	24.39	425991	BB	3.930990E-02	Endosulfan II
14	25.01	24293	BB	5.610207E-03	
15	26.07	322512	BB	4.191944E-02	Endrin aldehyde
16	27.34	313188	BB	3.757341E-02	Endosulfan sulfate
17	28.69	387595	BB	5.089553E-02	Endrin ketone
18	32.45	514259	BB	3.781529E-02	Decachlorobiphenyl
19	34.70	15203	BB	3.511024E-03	

Total Area : 4574858 Total NG : .445

COLUMN ID:HP5890XA RTx1701 .53MM
SampleName : INDBMA6 (P1242A6) 1UL TMB
Method : /methods/XAIAIB514.MTH
Injected on :Tue May 19, 1992 7:25:07 pm
Report File : /DATA/LOOP/FORMAT/GSHORT_AREA.FMT



COLUMN ID:HP5890XB RTx5 .53MM
Sample Name : INDAMB6 (P1239B6) 1UL TMB Report No : 43.00

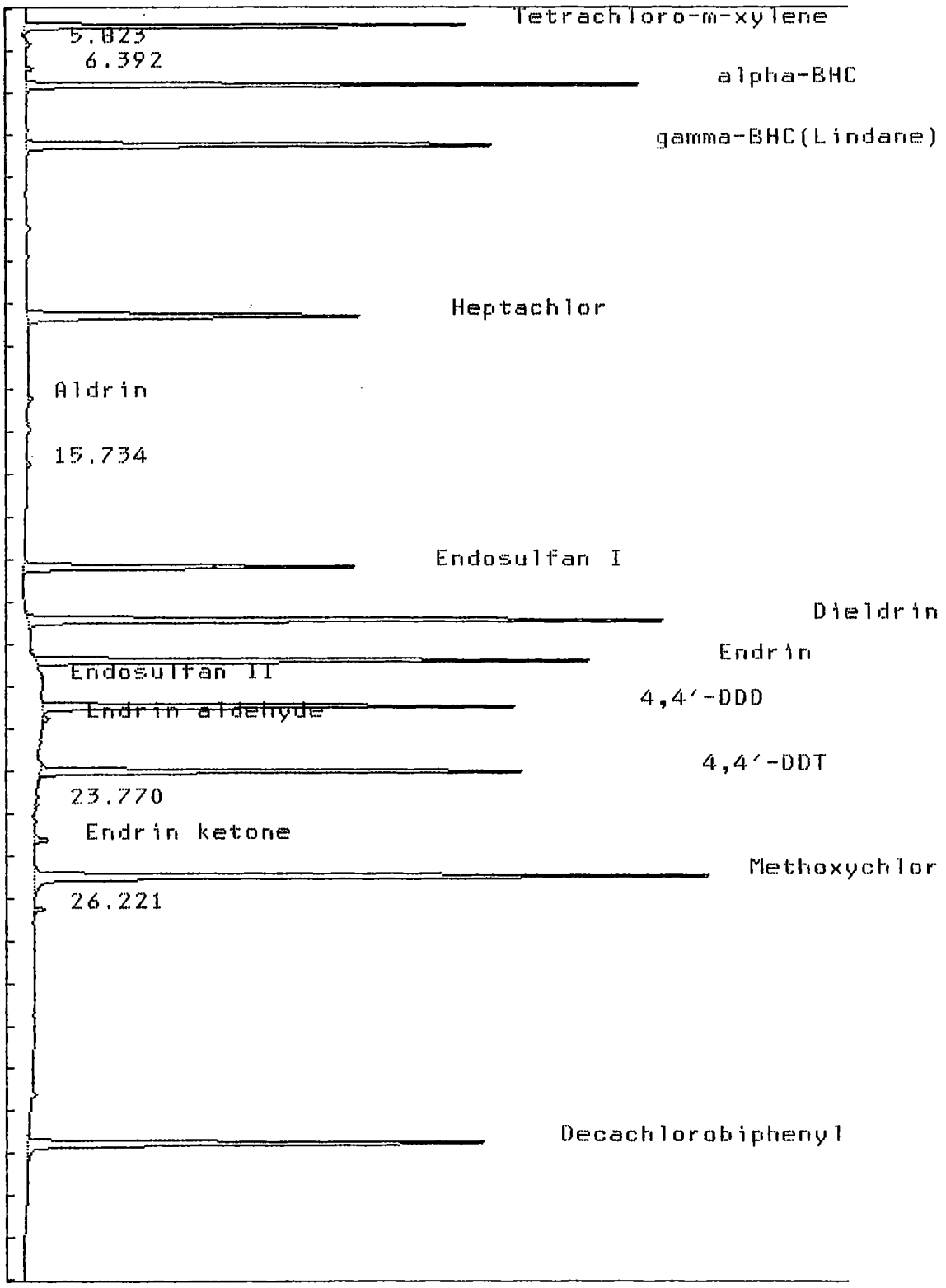
Peak Processor : Genie Multilevel : False
Instrument : XB Application : Loop
Calculation : ExternalSTD Quantitation : AreaUnits
Result File : /XB/XB518036.RES
Run Time : 35.00 Minutes Injected on Tue May 19, 1992 6:41:38 p

Run Status : SignalOverload

Pk#	RT	Area	Code	NG	NAME
1	5.37	739062	BB	5.223585E-02	Tetrachloro-m-xylene
2	5.82	8767	BB	2.024633E-03	
3	6.39	10867	BB	2.509577E-03	
4	6.77	1004049	BB	8.480318E-02	alpha-BHC
5	8.21	977341	BB	7.245088E-02	gamma-BHC(Lindane)
6	12.26	846607	BB	6.560843E-02	Heptachlor
7	14.19	11312	BB	1.019014E-03	Aldrin
8	15.73	8602	BB	1.986566E-03	
9	18.14	680503	BB	5.673721E-02	Endosulfan I
10	19.38	1321705	BB	1.232587E-01	Dieldrin
11	20.34	1105272	BB	1.652835E-01	Endrin
12	20.80	8150	BB	7.772478E-04	Endosulfan II
13	21.43	936594	BB	1.133522E-01	4,4'-DDD
14	21.73	13610	BB	1.662605E-03	Endrin aldehyde
15	22.96	991006	BB	1.665167E-01	4,4'-DDT
16	23.77	8161	BB	1.884610E-03	
17	24.59	33404	BB	3.282878E-03	Endrin ketone
18	25.44	1673249	BB	1.673249E+06	Methoxychlor
19	26.22	19380	BB	4.475509E-03	
20	31.74	1028632	BB	7.663403E-02	Decachlorobiphenyl

Total Area : 11426272 Total NG : 1673250.000

COLUMN ID:HP5890XB RTx5 .53MM
SampleName : INDAMB6 (P1239B6) 1UL TMB
Method : /METHODS/XBIAIB514.MTH
Injected on :Tue May 19, 1992 6:41:38 pm
Report File : /DATA/LOOP/FORMAT/GSHORT_AREA.FMT



COLUMN ID:HP5890XB RTx5 .53MM
Sample Name : INDBMB6 (P1242B6) 1UL TMB Report No : 44.00

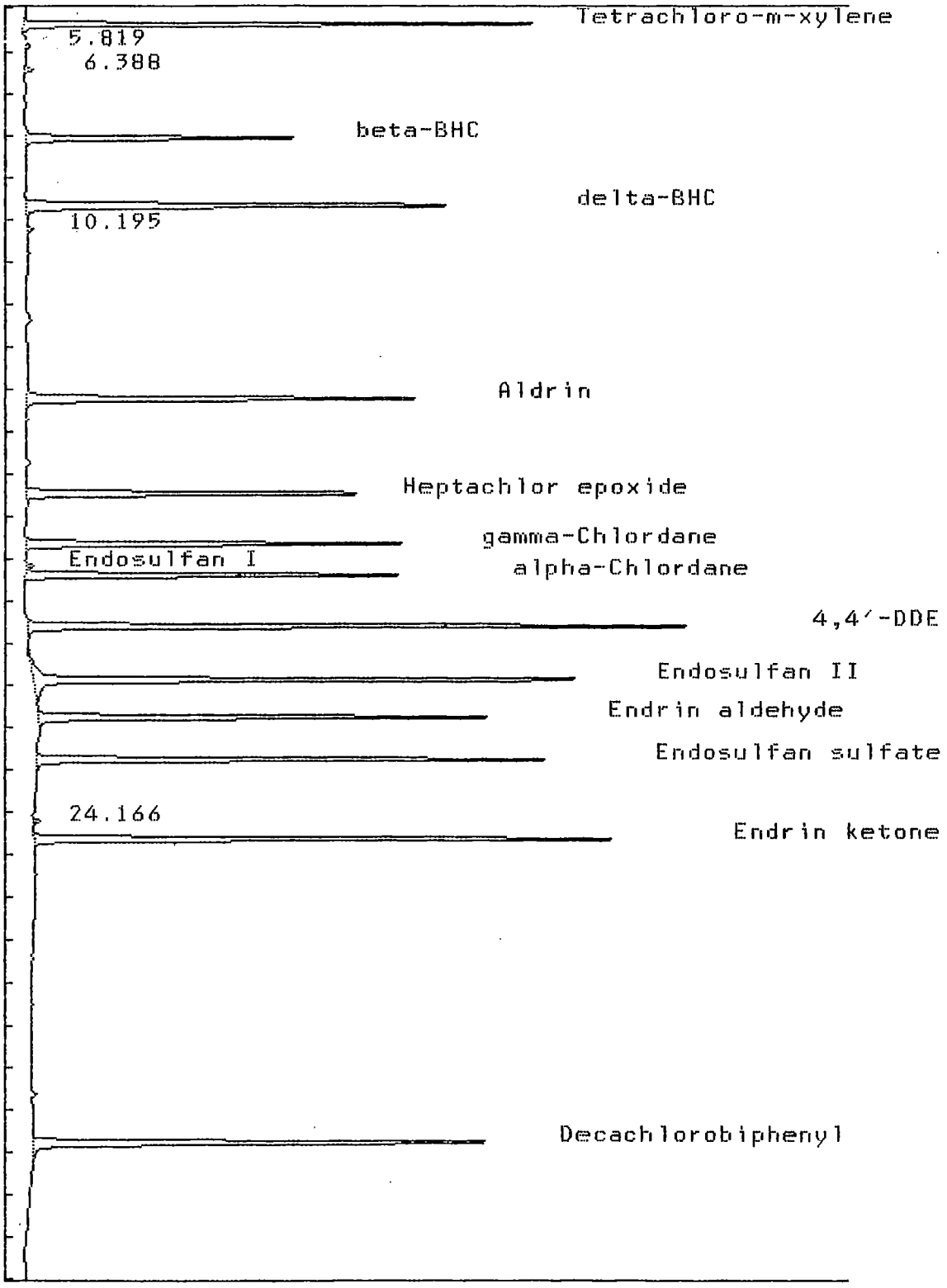
Peak Processor : Genie Multilevel : False
Instrument : XB Application : Loop
Calculation : ExternalSTD Quantitation : AreaUnits
Result File : /XB/XB518037.RES
Run Time : 34.98 Minutes Injected on Tue May 19, 1992 7:25:08 p

Run Status : SignalOverload

Pk#	RT	Area	Code	NG	NAME
1	5.36	808124	BB	5.711709E-02	Tetrachloro-m-xylene
2	5.82	9408	BB	2.172697E-03	
3	6.39	12722	BB	2.938014E-03	
4	8.02	536539	BB	7.357456E-02	beta-BHC
5	9.63	1024684	BB	9.072816E-02	delta-BHC
6	10.20	13429	BB	3.101289E-03	
7	14.18	877798	BB	7.907559E-02	Aldrin
8	16.42	779574	BB	6.109201E-02	Heptachlor epoxide
9	17.60	778310	BB	6.066596E-02	gamma-Chlordane
10	18.13	13360	BB	1.113883E-03	Endosulfan I
11	18.34	790175	BB	5.994011E-02	alpha-Chlordane
12	19.55	1358439	BB	1.348746E-01	4,4'-DDE
13	20.83	1297002	BB	1.236955E-01	Endosulfan II
14	21.72	925805	BB	1.130935E-01	Endrin aldehyde
15	22.72	1049981	BB	1.181648E-01	Endosulfan sulfate
16	24.17	16533	BB	3.818189E-03	
17	24.59	1189523	BB	1.169050E-01	Endrin ketone
18	31.74	1022874	BB	7.620502E-02	Decachlorobiphenyl

Total Area : 12504284 Total NG : 1.178

COLUMN ID:HP5890XB RTx5 .53MM
SampleName : INDBMB6 (P1242B6) 1UL TMB
Method : /METHODS/XBIAIB514.MTH
Injected on :Tue May 19, 1992 7:25:08 pm
Report File : /DATA/LOOP/FORMAT/GSHORT_AREA.FMT



COLUMN ID:HP5890XA RTx1701 .53MM
Sample Name : FLORCK1127 (942824) 1UL JKG Report No : 22.10

Peak Processor : Genie Multilevel : False
Instrument : XA Application : Loop
Calculation : ExternalSTD Quantitation : AreaUnits
Result File : /XA/XA1218005.RES
Run Time : 32.00 Minutes Injected on Wed Dec 18, 1991 8:53:42 p

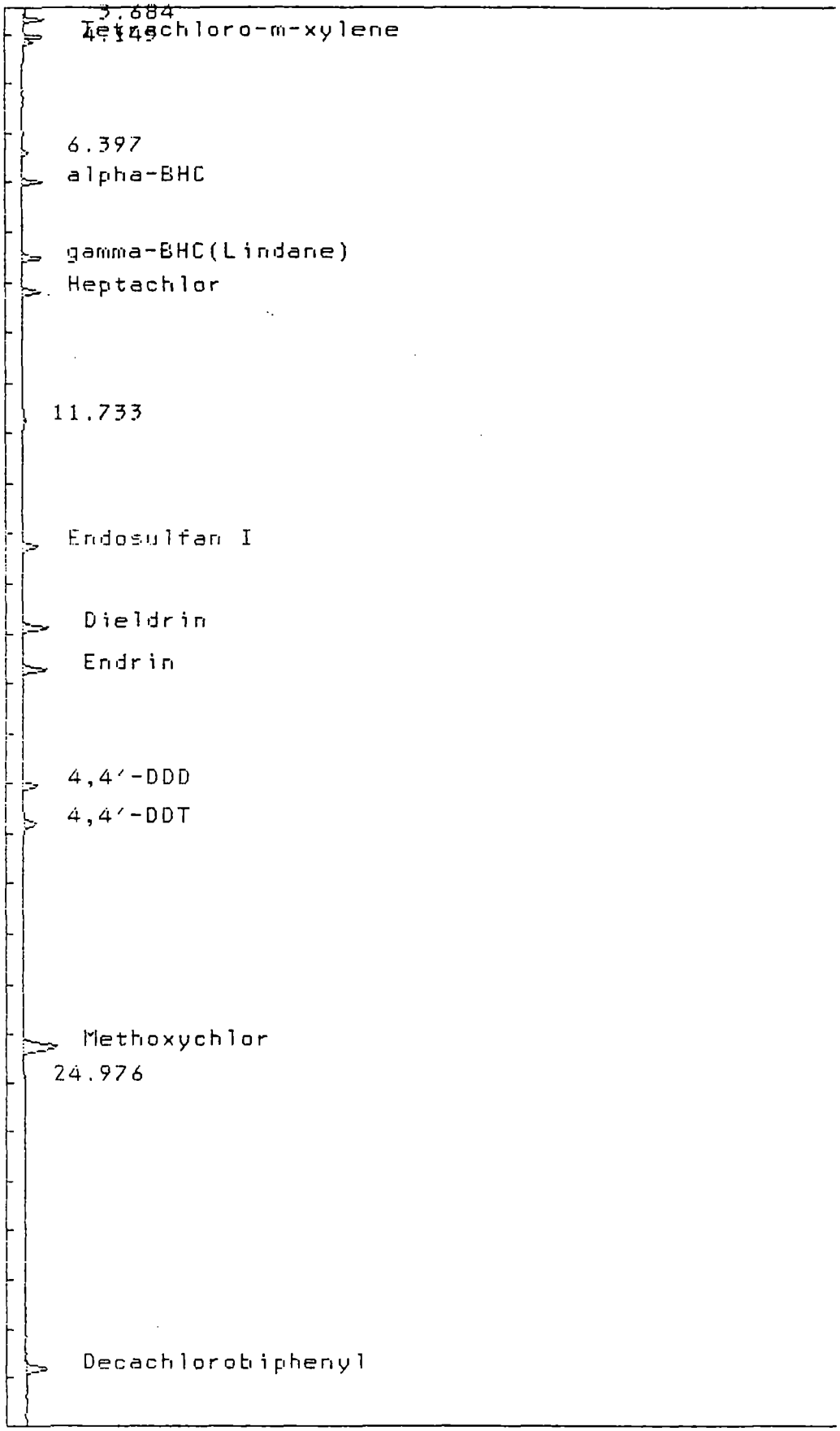
Run Status : EndOffBaseline
SignalOverload

Pk#	RT	Area	Code	NG	NAME
1	3.68	132126	BS	3.051310E-02	
2	4.03	116382	BB	6.158527E-03	Tetrachloro-m-xylene
3	4.14	45367	BB	1.047698E-02	
4	6.40	54402	BB	1.256368E-02	
5	6.97	142071	BB	8.907059E-03	alpha-BHC
6	8.50	157082	BB	8.893501E-03	gamma-BHC(Lindane)
7	9.18	163969	BB	1.067846E-02	Heptachlor
8	11.73	18774	BB	4.335692E-03	
9	14.24	151403	BB	1.083110E-02	Endosulfan I
10	15.87	243412	BB	2.002222E-02	Dieldrin
11	16.71	241434	BB	2.751887E-02	Endrin
12	19.04	163095	BB	1.841979E-02	4,4'-DDD
13	19.80	134346	BB	4.904040E-02	4,4'-DDT
14	24.25	494486	BB	1.832824E-01	Methoxychlor
15	24.98	15017	BB	3.467968E-03	
16	30.81	236580	BB	1.739659E-02	Decachlorobiphenyl

Total Area : 2509946 Total NG : .423

COLUMN ID:HP5890XA RTx1701 .53MM
SampleName : FLORCK1127 (942824) 1UL JKG
Method : /methods/XAIAIBCOPY.MTH
Report File : /DATA/LOOP/FORMAT/GSHORT_AREA.FMT

12-18-91
20:53



COLUMN ID:HP5890XA RTx1701 .53MM
Sample Name : FLORCK1127 (942824) 1UL JKG Report No : 22.10

Peak Processor : Genie Multilevel : False
Instrument : XA Application : Loop
Calculation : ExternalSTD Quantitation : AreaUnits
Result File : /XA/XA1218005.RES
Run Time : 32.00 Minutes Injected on Wed Dec 18, 1991 8:53:42 p

Run Status : EndOffBaseline
SignalOverload

Pk#	RT	Area	Code	NG	NAME
1	3.68	132126	BS	3.051310E-02	
2	4.03	116382	BB	6.158527E-03	Tetrachloro-m-xylene
3	4.14	45367	BB	1.047698E-02	
4	6.40	54402	BB	1.256368E-02	
5	6.97	142071	BB	8.907059E-03	alpha-BHC
6	8.50	157082	BB	8.893501E-03	gamma-BHC(Lindane)
7	9.18	163969	BB	1.067846E-02	Heptachlor
8	11.73	18774	BB	4.335692E-03	
9	14.24	151403	BB	1.083110E-02	Endosulfan I
10	15.87	243412	BB	2.002222E-02	Dieldrin
11	16.71	241434	BB	2.751887E-02	Endrin
12	19.04	163095	BB	1.841979E-02	4,4'-DDD
13	19.80	134346	BB	4.904040E-02	4,4'-DDT
14	24.25	494486	BB	1.832824E-01	Methoxychlor
15	24.98	15017	BB	3.467968E-03	
16	30.81	236580	BB	1.739659E-02	Decachlorobiphenyl

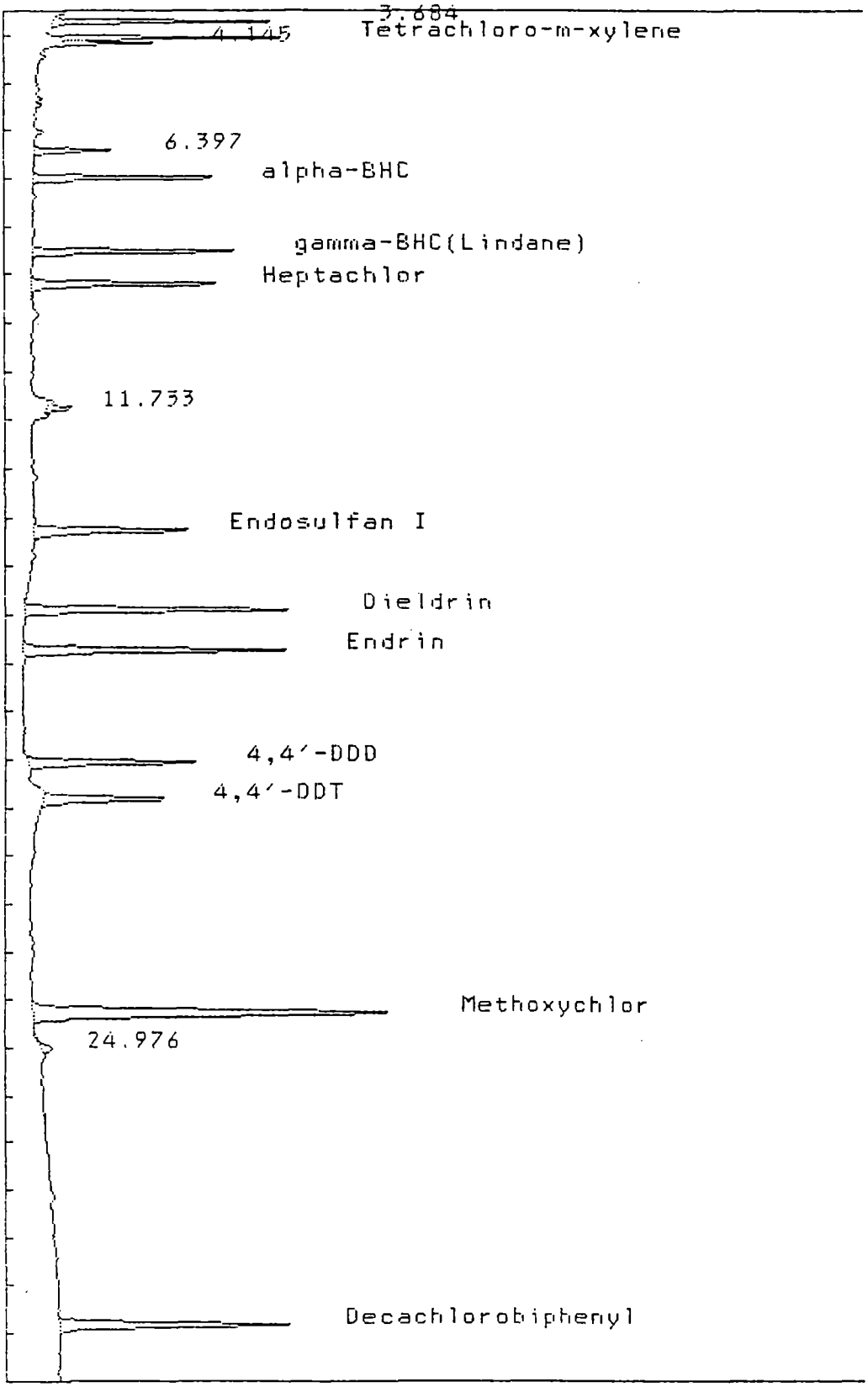
Total Area : 2509946 Total NG : .423

COLUMN ID:HP5890XA RTx1701 .53MM

SampleName : FLORCK1127 (942824) 1UL JKG
Method : /methods/XAIAIBCOPY.MTH
Report File : /DATA/LOOP/FORMAT/GSHORT_AREA.FMT

12-18-91
20:53

SCALING FACTOR-10



COLUMN ID:HP5890XB RTx5 .53MM
Sample Name : FLORCK1127 (942824) 1UL JKG Report No : 22.10

Peak Processor : Genie Multilevel : False
Instrument : XB Application : Loop
Calculation : ExternalSTD Quantitation : AreaUnits
Result File : /XB/XB1218005.RES
Run Time : 32.00 Minutes Injected on Wed Dec 18, 1991 8:53:42 p

Run Status : EndOffBaseline
SignalOverload

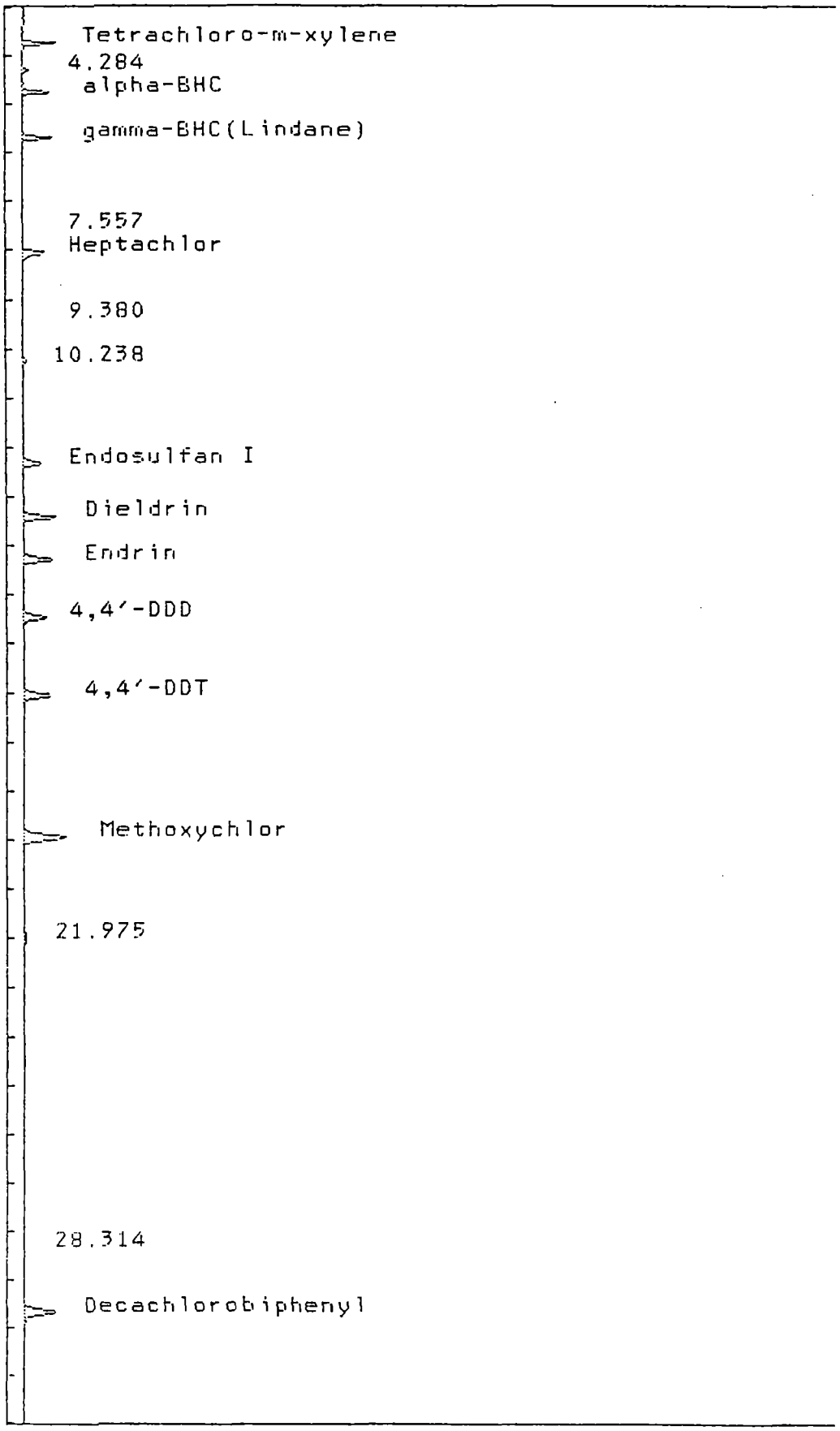
Pk#	RT	Area	Code	NG	NAME
1	3.72	184825	BB	1.306315E-02	Tetrachloro-m-xylene
2	4.28	45171	BB	1.043188E-02	
3	4.73	173950	BB	1.469207E-02	alpha-BHC
4	5.68	197253	BB	1.462248E-02	gamma-BHC(Lindane)
5	7.56	10299	BB	2.378337E-03	
6	8.03	235334	BB	1.823737E-02	Heptachlor
7	9.38	14649	BB	3.383003E-03	
8	10.24	45946	BB	1.061074E-02	
9	12.31	168233	BB	1.402650E-02	Endosulfan I
10	13.40	299660	BB	2.794547E-02	Dieldrin
11	14.26	282473	BB	4.224136E-02	Endrin
12	15.44	210469	BB	2.547225E-02	4,4'-DDD
13	17.04	267696	BB	4.498046E-02	4,4'-DDT
14	19.93	527592	BB	5.275917E+05	Methoxychlor
15	21.97	25671	BB	5.928494E-03	
16	28.31	9619	BB	2.221399E-03	
17	29.66	396459	BB	2.953659E-02	Decachlorobiphenyl

Total Area : 3095300 Total NG : 527592.000

COLUMN ID:HP5890XB RTx5 .53MM

SampleName : FLORCK1127 (942824) 1UL JKG
Method : /METHODS/XBIAIBCOPY.MTH
Report File : /DATA/LOOP/FORMAT/GSHORT_AREA.FMT

12-18-91
20:53



COLUMN ID:HP5890XB RTx5 .53MM
Sample Name : FLORCK1127 (942824) 1UL JKG Report No : 22.10

Peak Processor : Genie Multilevel : False
Instrument : XB Application : Loop
Calculation : ExternalSTD Quantitation : AreaUnits
Result File : /XB/XB1218005.RES
Run Time : 32.00 Minutes Injected on Wed Dec 18, 1991 8:53:42 p

Run Status : EndOffBaseline
SignalOverload

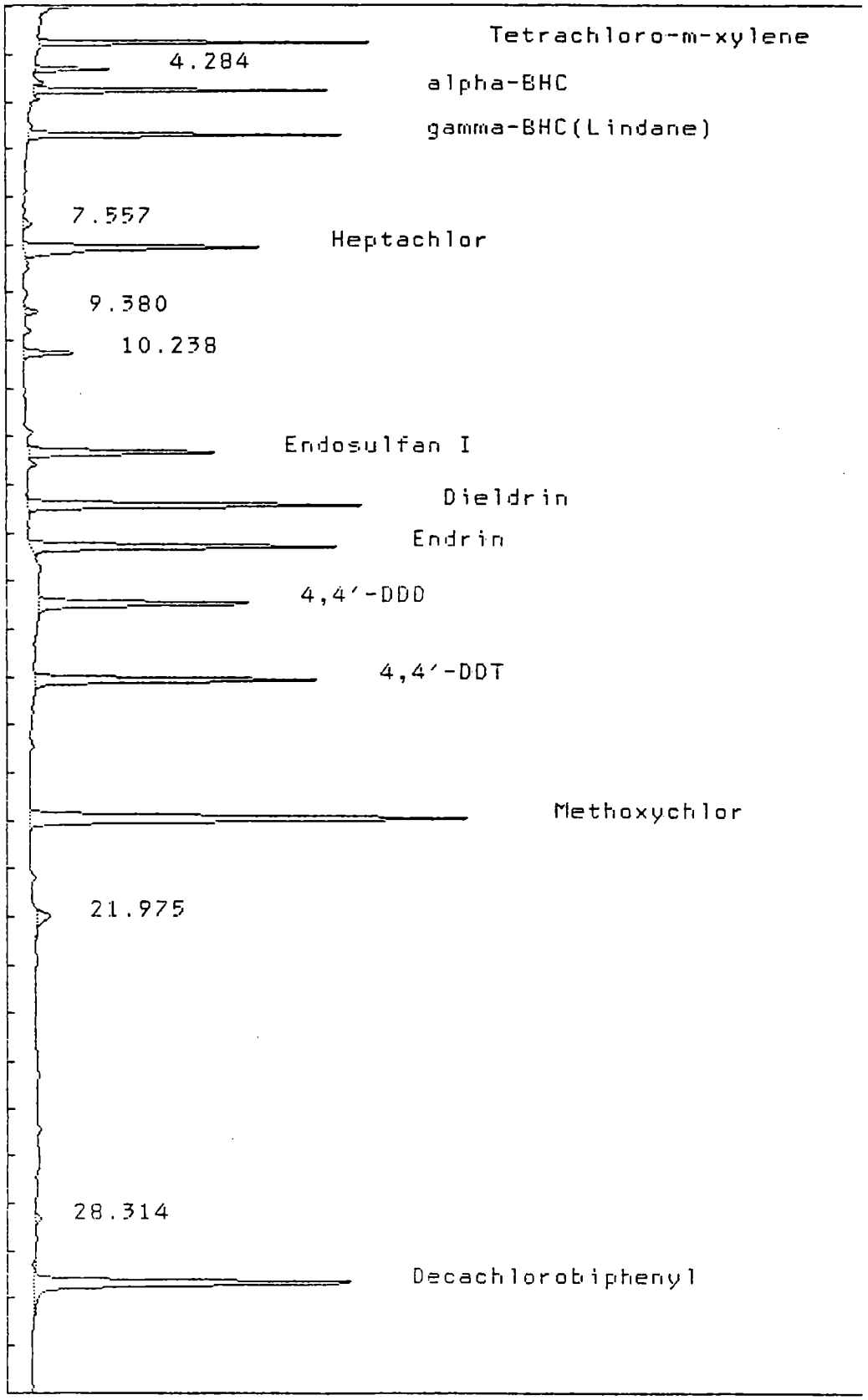
Pk#	RT	Area	Code	NG	NAME
1	3.72	184825	BB	1.306315E-02	Tetrachloro-m-xylene
2	4.28	45171	BB	1.043188E-02	
3	4.73	173950	BB	1.469207E-02	alpha-BHC
4	5.68	197253	BB	1.462248E-02	gamma-BHC(Lindane)
5	7.56	10299	BB	2.378337E-03	
6	8.03	235334	BB	1.823737E-02	Heptachlor
7	9.38	14649	BB	3.383003E-03	
8	10.24	45946	BB	1.061074E-02	
9	12.31	168233	BB	1.402650E-02	Endosulfan I
10	13.40	299660	BB	2.794547E-02	Dieldrin
11	14.26	282473	BB	4.224136E-02	Endrin
12	15.44	210469	BB	2.547225E-02	4,4'-DDD
13	17.04	267696	BB	4.498046E-02	4,4'-DDT
14	19.93	527592	BB	5.275917E+05	Methoxychlor
15	21.97	25671	BB	5.928494E-03	
16	28.31	9619	BB	2.221399E-03	
17	29.66	396459	BB	2.953659E-02	Decachlorobiphenyl

Total Area : 3095300 Total NG : 527592.000

COLUMN ID:HP5890XB RTx5 .53MM

SampleName : FLORCK1127 (942824) 1UL JKG
Method : /METHODS/XBIAIBCOPY.MTH
Report File : /DATA/LOOP/FORMAT/GSHORT_AREA.FMT

12-18-91
20:53
SCALING FACTOR-10



COLUMN ID:HP5890XA RTx1701 .53MM
Sample Name : GPCCK PCB (92504) 1UL TMB Report No : 26.00

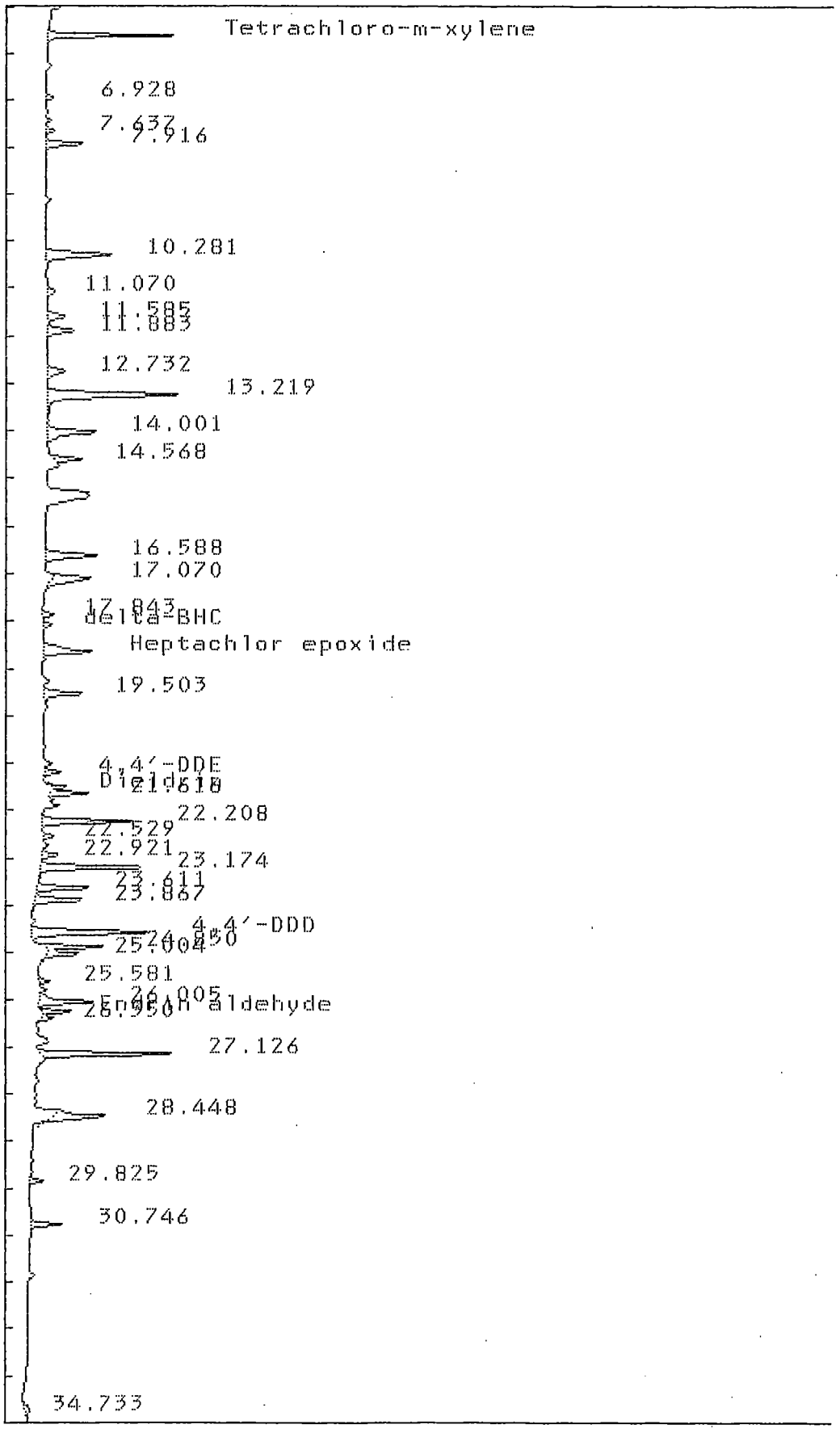
Peak Processor : Genie Multilevel : False
Instrument : XA Application : Loop
Calculation : ExternalSTD Quantitation : AreaUnits
Result File : /XA/XA518019.RES
Run Time : 35.00 Minutes Injected on Tue May 19, 1992 6:22:30 a

Run Status : RunStatusOK

Pk#	RT	Area	Code	NG	NAME
1	3.86	45013	BB	1.039526E-02	
2	4.15	44039	BB	1.017029E-02	
3	4.32	281979	BB	6.512016E-02	
4	4.56	79024	BB	1.824978E-02	
5	5.59	101695	BB	5.381351E-03	Tetrachloro-m-xylene
6	6.93	8030	BB	1.854506E-03	
7	7.64	10041	BB	2.318923E-03	
8	7.92	41455	BB	9.573512E-03	
9	10.28	86589	BB	1.999682E-02	
10	11.07	11262	BB	2.600780E-03	
11	11.58	22062	BB	5.095110E-03	
12	11.88	33816	BB	7.809375E-03	
13	12.73	27066	BB	6.250614E-03	
14	13.22	173250	BB	4.001044E-02	
15	14.00	70813	BB	1.635353E-02	
16	14.57	29285	BB	6.763175E-03	
17	16.59	70292	BB	1.623332E-02	
18	17.07	56458	BB	1.303848E-02	
19	17.84	11864	BB	2.739782E-03	
20	18.06	9585	BB	7.768756E-04	delta-BHC
21	18.62	65679	BB	4.591850E-03	Heptachlor epoxide
22	19.50	45324	BB	1.046702E-02	
23	21.17	15637	BB	1.294648E-03	4,4'-DDE
24	21.49	10908	BB	8.972528E-04	Dieldrin
25	21.62	30785	BB	7.109538E-03	
26	22.21	90226	BB	2.083679E-02	
27	22.53	9610	BB	2.219231E-03	
28	22.92	16799	BB	3.879449E-03	
29	23.17	113569	BB	2.622754E-02	
30	23.61	54081	BB	1.248936E-02	
31	23.87	48366	BB	1.116973E-02	
32	24.55	141405	BB	1.597014E-02	4,4'-DDD
33	24.85	53706	BB	1.240293E-02	
34	25.00	23589	BB	5.447681E-03	
35	25.58	10018	BB	2.313649E-03	
36	26.00	60236	BB	1.391091E-02	
37	26.21	26319	BB	3.420876E-03	Endrin aldehyde
38	26.35	9641	BB	2.226577E-03	
39	27.13	126134	BB	2.912933E-02	
40	28.45	44891	BB	1.036707E-02	
41	29.82	12767	BB	2.948474E-03	
42	30.75	29133	BB	6.728033E-03	
43	34.73	8154	BB	1.883161E-03	

Total Area : 2260594 Total NG : .469

COLUMN ID:HP5890XA RTx1701 .53MM
SampleName : GPCCK PCB (92504) 1UL TMB
Method : /methods/XAIAIB514.MTH
Injected on :Tue May 19, 1992 6:22:30 am
Report File : /DATA/LOOP/FORMAT/GSHORT_AREA.FMT



COLUMN ID:HP5890XB RTx5 .53MM
Sample Name : GPCCK PCB (92504) 1UL TMB Report No : 26.00

Peak Processor : Genie Multilevel : False
Instrument : XB Application : Loop
Calculation : ExternalSTD Quantitation : AreaUnits
Result File : /XB/XB518019.RES
Run Time : 35.00 Minutes Injected on Tue May 19, 1992 6:22:30 a

Run Status : RunStatusOK

Pk#	RT	Area	Code	NG	NAME
1	3.29	50354	BB	1.162876E-02	
2	3.85	11572	BB	2.672475E-03	
3	4.26	132467	BB	3.059198E-02	
4	5.36	10644	BB	7.523347E-04	Tetrachloro-m-xylene
5	5.69	33101	BB	7.644334E-03	
6	6.12	18757	BB	4.331809E-03	
7	6.50	19774	BB	4.566556E-03	
8	6.73	102395	BB	8.648397E-03	alpha-BHC
9	7.01	21330	BB	4.926036E-03	
10	7.58	10373	BB	2.395504E-03	
11	8.65	54614	BB	1.261251E-02	
12	9.23	41551	BB	9.595819E-03	
13	9.72	168518	BB	1.492102E-02	delta-BHC
14	10.87	20384	BB	4.707456E-03	
15	11.02	9921	BB	2.291100E-03	
16	11.46	420816	BB	9.718327E-02	
17	12.10	161801	BB	3.736642E-02	
18	12.37	25913	BB	5.984302E-03	
19	12.56	88063	BB	2.033721E-02	
20	12.87	30919	BB	7.140516E-03	
21	13.34	10763	BB	2.485506E-03	
22	13.61	91068	BB	2.103128E-02	
23	13.85	58053	BB	1.340681E-02	
24	14.02	39688	BB	9.165438E-03	
25	14.21	36094	BB	3.251526E-03	Aldrin
26	14.76	69071	BB	1.595115E-02	
27	14.92	35863	BB	8.282097E-03	
28	15.40	141202	BB	3.260911E-02	
29	15.84	28812	BB	6.653910E-03	
30	16.60	25087	BB	5.793693E-03	
31	16.81	35803	BB	8.268310E-03	
32	17.02	113965	BB	2.631901E-02	
33	17.88	21233	BB	4.903445E-03	
34	18.15	125347	BB	1.045090E-02	Endosulfan I
35	19.39	30214	BB	2.817662E-03	Dieldrin
36	19.70	28674	BB	6.621999E-03	
37	19.84	44660	BB	1.031374E-02	
38	20.37	97525	BB	1.458396E-02	Endrin
39	20.58	58118	BB	1.342170E-02	
40	20.91	240244	BB	2.291219E-02	Endosulfan II
41	21.35	12365	BB	1.496496E-03	4,4'-DDD
42	21.71	43187	BB	5.275539E-03	Endrin aldehyde
43	21.96	183968	BB	4.248562E-02	
44	22.49	161526	BB	3.730271E-02	

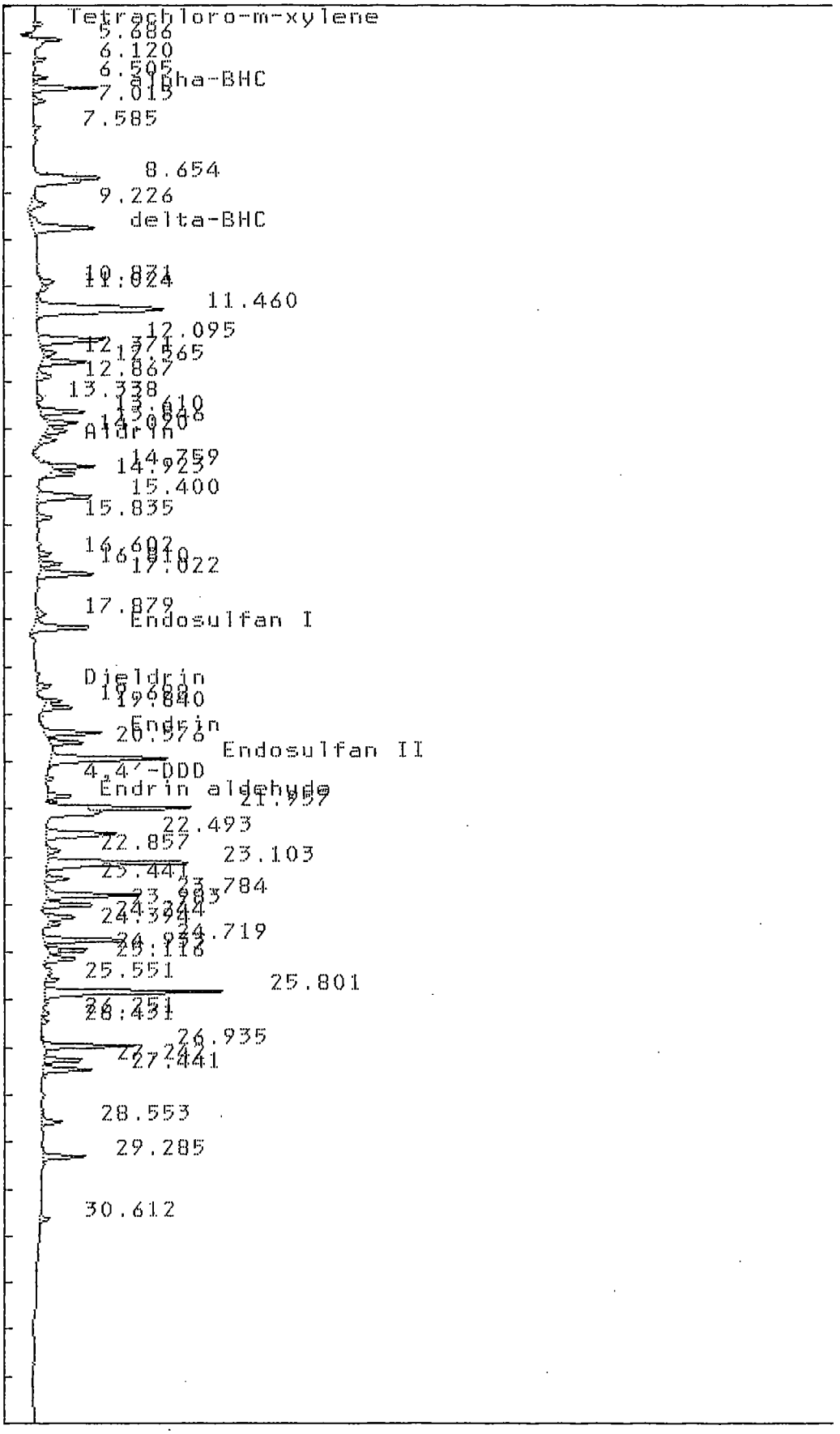
COLUMN ID#HP5890XB RTx5 .53MM

GPCCK92504PC
5/19/92 06:22

Pk#	RT	Area	Code	NG	NAME
45	22.86	26248	BB	6.061709E-03	
46	23.10	328739	BB	7.591905E-02	
47	23.44	39479	BB	9.117298E-03	
48	23.78	168957	BB	3.901885E-02	
49	23.98	88833	BB	2.051501E-02	
50	24.24	54351	BB	1.255189E-02	
51	24.39	13564	BB	3.132441E-03	
52	24.72	142559	BB	3.292261E-02	
53	24.93	67908	BB	1.568275E-02	
54	25.12	57505	BB	1.328027E-02	
55	25.55	18999	BB	4.387723E-03	
56	25.80	331968	BB	7.666463E-02	
57	26.25	9957	BB	2.299355E-03	
58	26.43	12073	BB	2.788254E-03	
59	26.94	156694	BB	3.618687E-02	
60	27.24	66615	BB	1.538403E-02	
61	27.44	86281	BB	1.992579E-02	
62	28.55	41787	BB	9.650201E-03	
63	29.29	71588	BB	1.653247E-02	
64	30.61	17305	BB	3.996512E-03	

Total Area : 4967208 Total NG : 1.032

COLUMN ID:HP5890XB RTx5 .53MM
SampleName : GPCCK PCB (92504) 1UL TMB
Method : /METHODS/XBIAIB514.MTH
Injected on :Tue May 19, 1992 6:22:30 am
Report File : /DATA/LOOP/FORMAT/GSHORT_AREA.FMT



COLUMN ID:HP5890XA RTx1701 .53MM
Sample Name : GPCCK PEST (92504) 1UL TMB Report No : 27.00

Peak Processor : Genie Multilevel : False
Instrument : XA Application : Loop
Calculation : ExternalSTD Quantitation : AreaUnits
Result File : /XA/XA518020.RES
Run Time : 35.00 Minutes Injected on Tue May 19, 1992 7:06:02 a

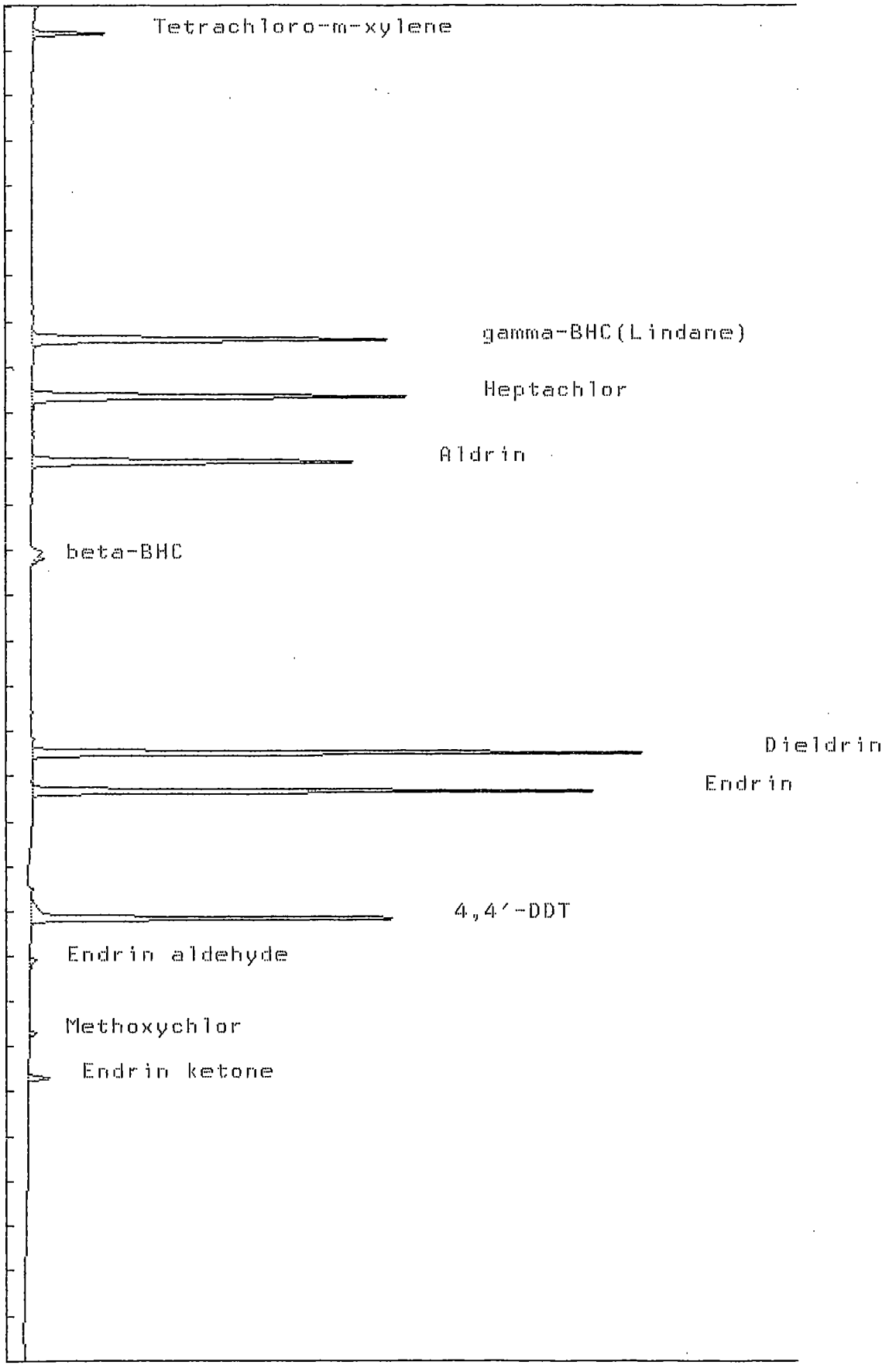
Run Status : RunStatusOK

Pk#	RT	Area	Code	NG	NAME
1	3.55	14304	BS	3.303481E-03	
2	3.85	67271	BB	1.553558E-02	
3	3.99	10535	BB	2.433045E-03	
4	4.15	63332	BB	1.462594E-02	
5	4.32	359723	BB	8.307454E-02	
6	4.56	108361	BB	2.502486E-02	
7	5.58	134722	BB	7.129036E-03	Tetrachloro-m-xylene
8	12.37	902037	BB	5.107071E-02	gamma-BHC(Lindane)
9	13.62	974942	BB	6.349297E-02	Heptachlor
10	15.04	796331	BB	5.337120E-02	Aldrin
11	17.18	12899	BB	1.520423E-03	beta-BHC
12	21.46	1314915	BB	1.081604E-01	Dieldrin
13	22.31	1191583	BB	1.358179E-01	Endrin
14	25.12	869528	BB	3.174038E-01	4,4'-DDT
15	26.07	24247	BB	3.151612E-03	Endrin aldehyde
16	27.71	12961	BB	4.803887E-03	Methoxychlor
17	28.69	43686	BB	5.736478E-03	Endrin ketone

Total Area : 6901379 Total NG : .896

COLUMN ID:HP5890XA RTx1701 .53MM

SampleName : GPCCK PEST (92504) 1UL TMB
Method : /methods/XAIAIB514.MTH
Injected on :Tue May 19, 1992 7:06:02 am
Report File : /DATA/LOOP/FORMAT/GSHORT_AREA.FMT



COLUMN ID:HP5890XB RTx5 .53MM
Sample Name : GPCCK PEST (92504) 1UL TMB Report No : 27.00

Peak Processor : Genie Multilevel : False
Instrument : XB Application : Loop
Calculation : ExternalSTD Quantitation : AreaUnits
Result File : /XB/XB518020.RES
Run Time : 35.00 Minutes Injected on Tue May 19, 1992 7:06:02 a

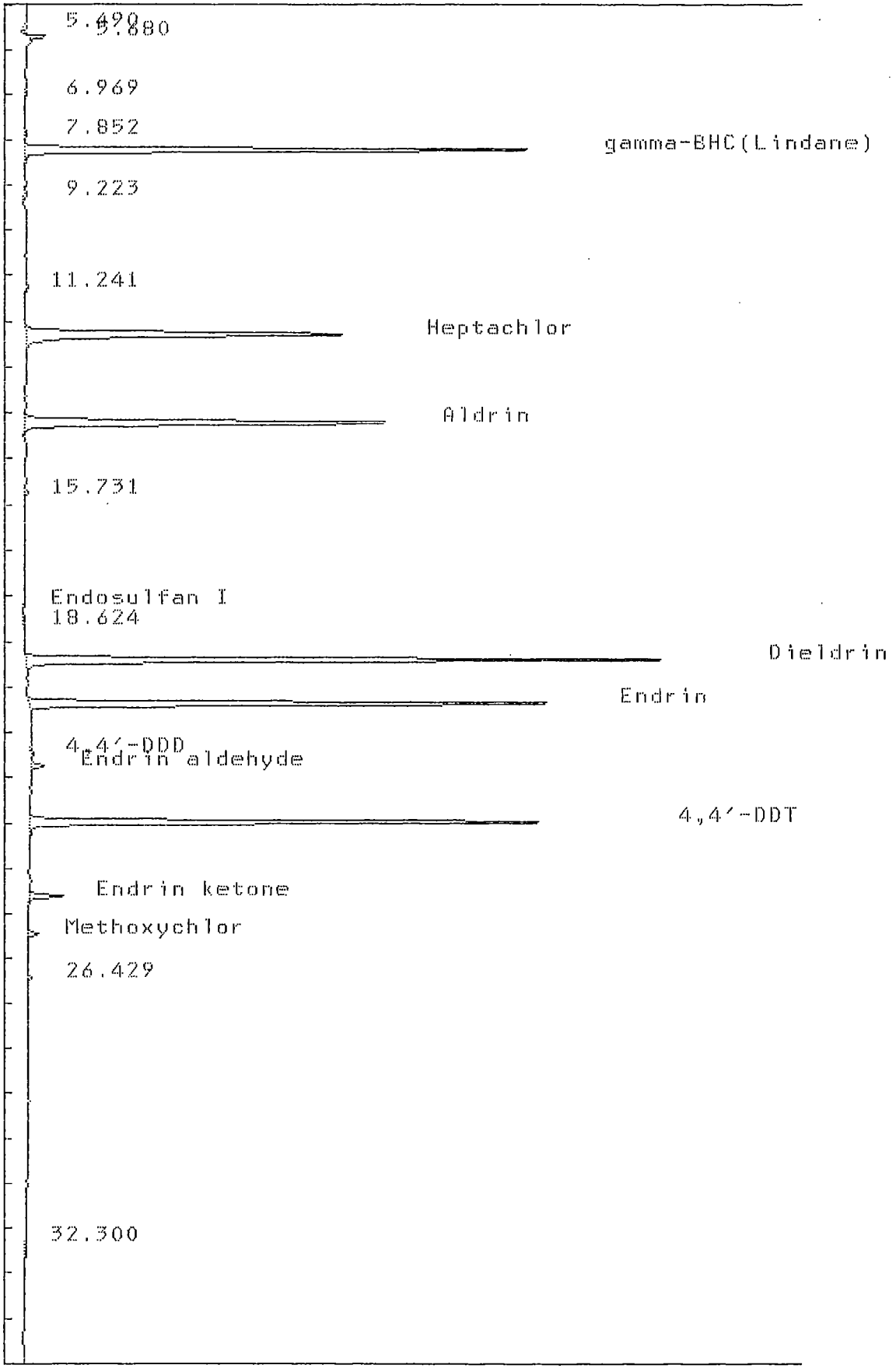
Run Status : RunStatusOK
EndOffBaseline
NoReference

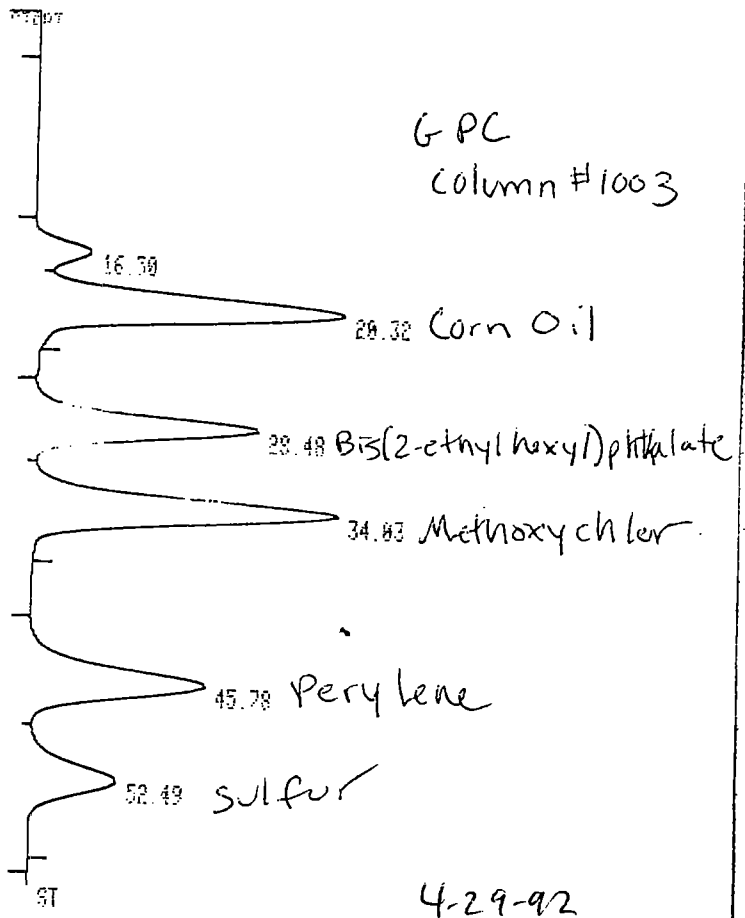
Pk#	RT	Area	Code	NG	NAME
1	3.29	62727	BB	1.448608E-02	
2	3.85	13986	BB	3.229975E-03	
3	4.25	173843	BB	4.014730E-02	
4	4.86	16275	BB	3.758628E-03	
5	5.49	17656	BB	4.077551E-03	
6	5.68	85844	BB	1.982474E-02	
7	6.97	9438	BB	2.179613E-03	
8	7.85	8795	BB	2.031134E-03	
9	8.21	2503684	BB	1.855996E-01	gamma-BHC(Lindane)
10	9.22	15866	BB	3.664152E-03	
11	11.24	16275	BB	3.758468E-03	
12	12.25	2128403	BB	1.649421E-01	Heptachlor
13	14.18	2136445	BB	1.924596E-01	Aldrin
14	15.73	21155	BB	4.885590E-03	
15	18.16	9880	BB	8.237385E-04	Endosulfan I
16	18.62	17288	BB	3.992481E-03	
17	19.38	3202585	BB	2.986645E-01	Dieldrin
18	20.34	2643151	BB	3.952594E-01	Endrin
19	21.44	20462	BB	2.476387E-03	4,4'-DDD
20	21.72	71605	BB	8.747030E-03	Endrin aldehyde
21	22.96	2549756	BB	4.284304E-01	4,4'-DDT
22	24.59	154179	BB	1.515257E-02	Endrin ketone
23	25.44	46766	BB	4.676628E+04	Methoxychlor
24	26.43	19157	BB	4.424227E-03	
25	32.30	31327	BB	7.234544E-03	

Total Area : 15976552 Total NG : 46768.090

COLUMN ID:HP5890XB RTx5 .53MM

SampleName : GPCCK PEST (92504) 1UL TMB
Method : /METHODS/XBIAIB514.MTH
Injected on :Tue May 19, 1992 7:06:02 am
Report File : /DATA/LOOP/FORMAT/GSHORT_AREA.FMT





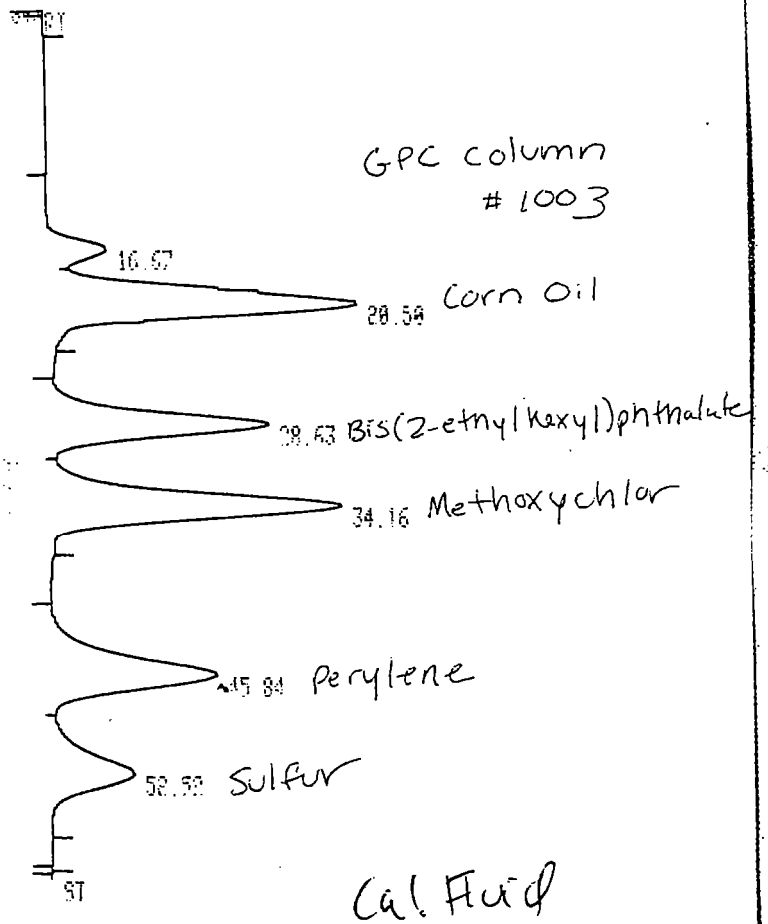
4-29-92
NSF

RUN # 165

AREA%

RT	AREA	TYPE	AR/HT	AREA%
16.50	1237800	PV	1.561	3.720
20.32	8900700	VB	2.028	26.749
23.48	5630800	BV	1.756	16.923
34.03	8382600	VB	1.925	25.193
45.78	5882700	BV	2.313	17.679
52.49	3239700	VB	2.497	9.736

TOTAL AREA= 3.3274E+07
MUL FACTOR= 1.0000E+00



Cal Fluid
5-6-92 NJF

RUN # 74

%PEAK

RT	AREA	TYPE	AR/HT	AREA%
16.67	1173200	PV	1.475	7.521
20.50	8917600	VB	2.057	27.104
28.63	5525500	BV	1.796	16.794
34.16	8266700	VB	2.007	25.126
45.84	5822600	BV	2.467	17.697
52.52	3190400	VB	2.672	9.697

TOTAL AREA= 3.2901E+07
MUL FACTOR= 1.0000E+00

PESTICIDE/PCB RAW QC DATA

COLUMN ID:HP5890XA RTx1701 .53MM
Sample Name : PBLKI (90430) 1UL TMB Report No : 15.00

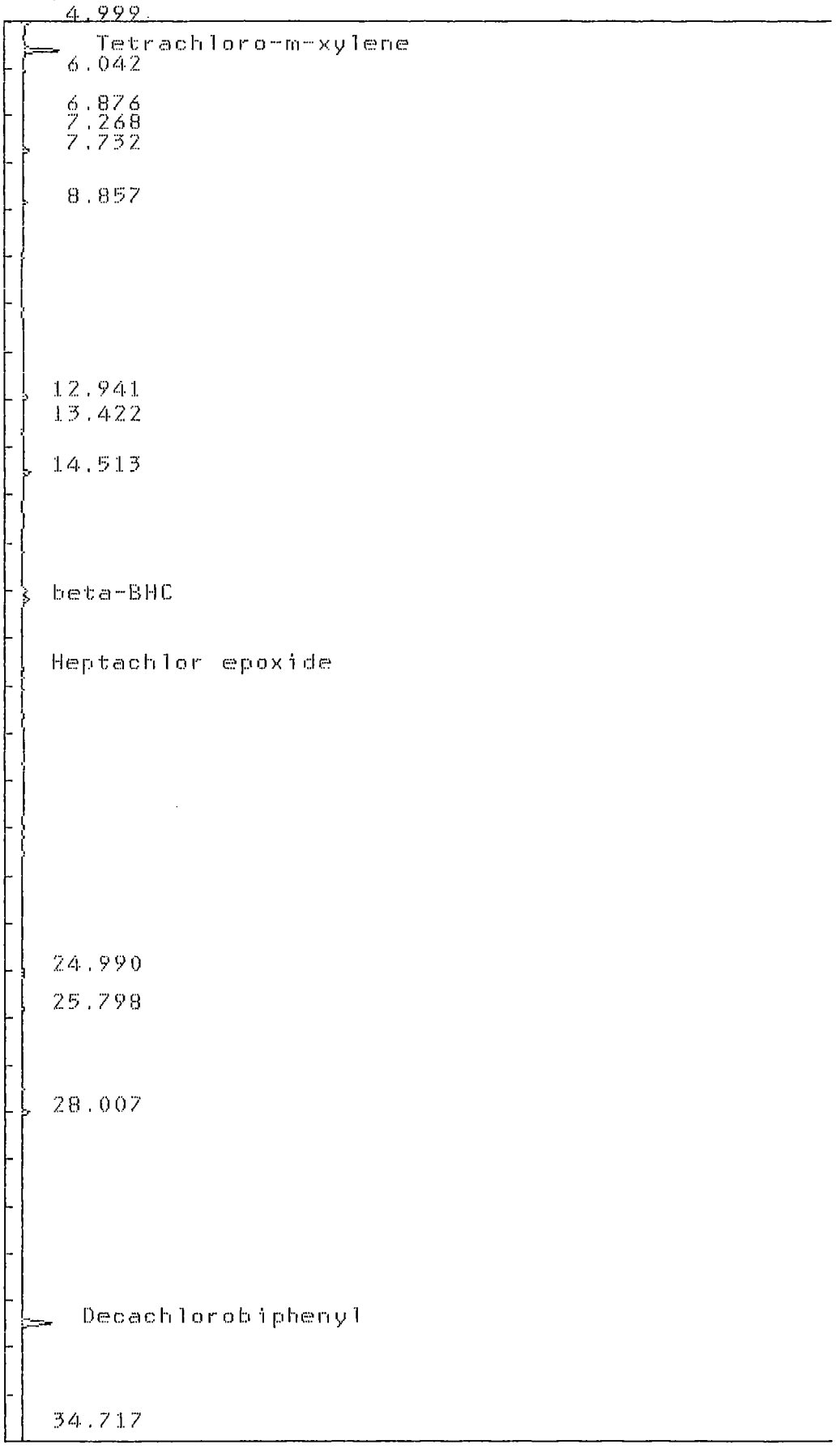
Peak Processor : Genie Multilevel : False
Instrument : XA Application : Loop
Calculation : ExternalSTD Quantitation : AreaUnits
Result File : /XA/XA518008.RES
Run Time : 35.00 Minutes Injected on Mon May 18, 1992 10:23:51 p

Run Status : RunStatusOK
EndOffBaseline
SignalOverload

Pk#	RT	Area	Code	NG	NAME
1	3.70	16495	BB	3.809406E-03	
2	3.86	111224	BB	2.568604E-02	
3	4.03	37577	BB	8.678079E-03	
4	4.17	204583	BB	4.724634E-02	
5	4.33	781559	BB	1.804932E-01	
6	4.57	193092	BB	4.459269E-02	
7	5.00	30172	BB	6.967896E-03	
8	5.58	252435	BB	1.335796E-02	Tetrachloro-m-xylene
9	6.04	15933	BB	3.679510E-03	
10	6.88	10760	BB	2.484874E-03	
11	7.27	12426	BB	2.869557E-03	
12	7.73	52612	BB	1.215023E-02	
13	8.86	36587	BB	8.449394E-03	
14	12.94	35663	BB	8.235987E-03	
15	13.42	10480	BB	2.420302E-03	
16	14.51	66975	BB	1.546723E-02	
17	17.18	18224	BB	2.148070E-03	beta-BHC
18	18.64	9075	BB	6.344793E-04	Heptachlor epoxide
19	24.99	21144	BB	4.883106E-03	
20	25.80	13889	BB	3.207506E-03	
21	28.01	49425	BB	1.141427E-02	
22	32.46	249793	BB	1.836814E-02	Decachlorobiphenyl
23	34.72	13011	BB	3.004844E-03	

Total Area : 2243134 Total NG : .430

COLUMN ID:HP5890XA RTx1701 .53MM
SampleName : PBLKI (90430) 1UL TMB
Method : /methods/XAIAIB514.MTH
Injected on :Mon May 18, 1992 10:23:51 pm
Report File : /DATA/LOOP/FORMAT/GSHORT_AREA.FMT



COLUMN ID:HP5890XA RTx1701 .53MM
Sample Name : PBLKI (90430) 1UL TMB Report No : 15.00

Peak Processor : Genie Multilevel : False
Instrument : XA Application : Loop
Calculation : ExternalSTD Quantitation : AreaUnits
Result File : /XA/XA518008.RES
Run Time : 35.00 Minutes Injected on Mon May 18, 1992 10:23:51 p

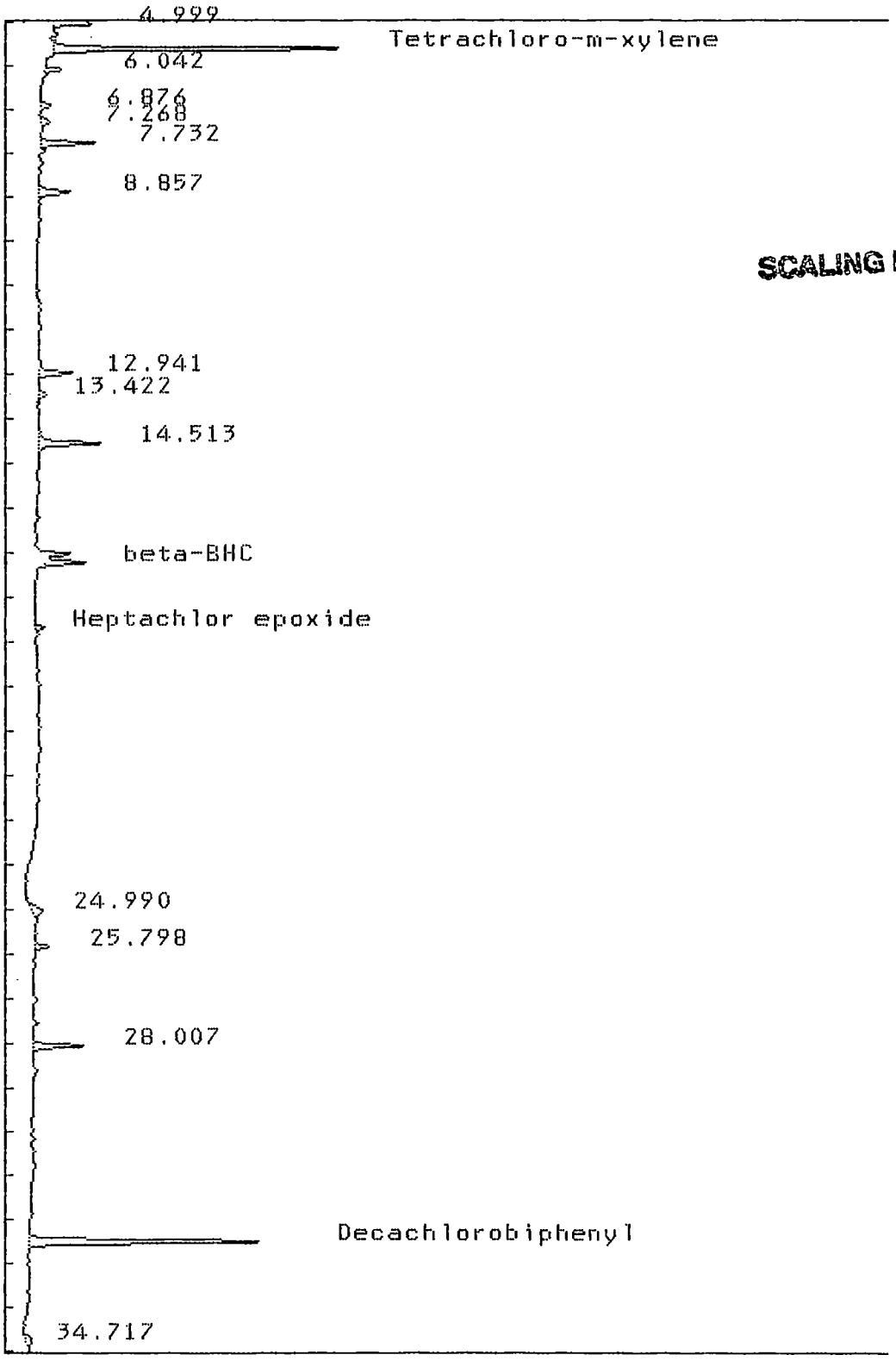
Run Status : RunStatusOK
EndOffBaseline
SignalOverload

Pk#	RT	Area	Code	NG	NAME
1	3.70	16495	BB	3.809406E-03	
2	3.86	111224	BB	2.568604E-02	
3	4.03	37577	BB	8.678079E-03	
4	4.17	204583	BB	4.724634E-02	
5	4.33	781559	BB	1.804932E-01	
6	4.57	193092	BB	4.459269E-02	
7	5.00	30172	BB	6.967896E-03	
8	5.58	252435	BB	1.335796E-02	Tetrachloro-m-xylene
9	6.04	15933	BB	3.679510E-03	
10	6.88	10760	BB	2.484874E-03	
11	7.27	12426	BB	2.869557E-03	
12	7.73	52612	BB	1.215023E-02	
13	8.86	36587	BB	8.449394E-03	
14	12.94	35663	BB	8.235987E-03	
15	13.42	10480	BB	2.420302E-03	
16	14.51	66975	BB	1.546723E-02	
17	17.18	18224	BB	2.148070E-03	beta-BHC
18	18.64	9075	BB	6.344793E-04	Heptachlor epoxide
19	24.99	21144	BB	4.883106E-03	
20	25.80	13889	BB	3.207506E-03	
21	28.01	49425	BB	1.141427E-02	
22	32.46	249793	BB	1.836814E-02	Decachlorobiphenyl
23	34.72	13011	BB	3.004844E-03	

Total Area : 2243134 Total NG : .430

COLUMN ID:HP5890XA RTx1701 .53MM

SampleName : PBLKI (90430) 1UL TMB
Method : /methods/XAIAIB514.MTH
Injected on :Mon May 18, 1992 10:23:51 pm
Report File : /DATA/LOOP/FORMAT/GSHORT_AREA.FMT



SCALING FACTOR 8

COLUMN ID:HP5890XB RTx5 .53MM
Sample Name : PBLKI (90430) 1UL TMB Report No : 15.00

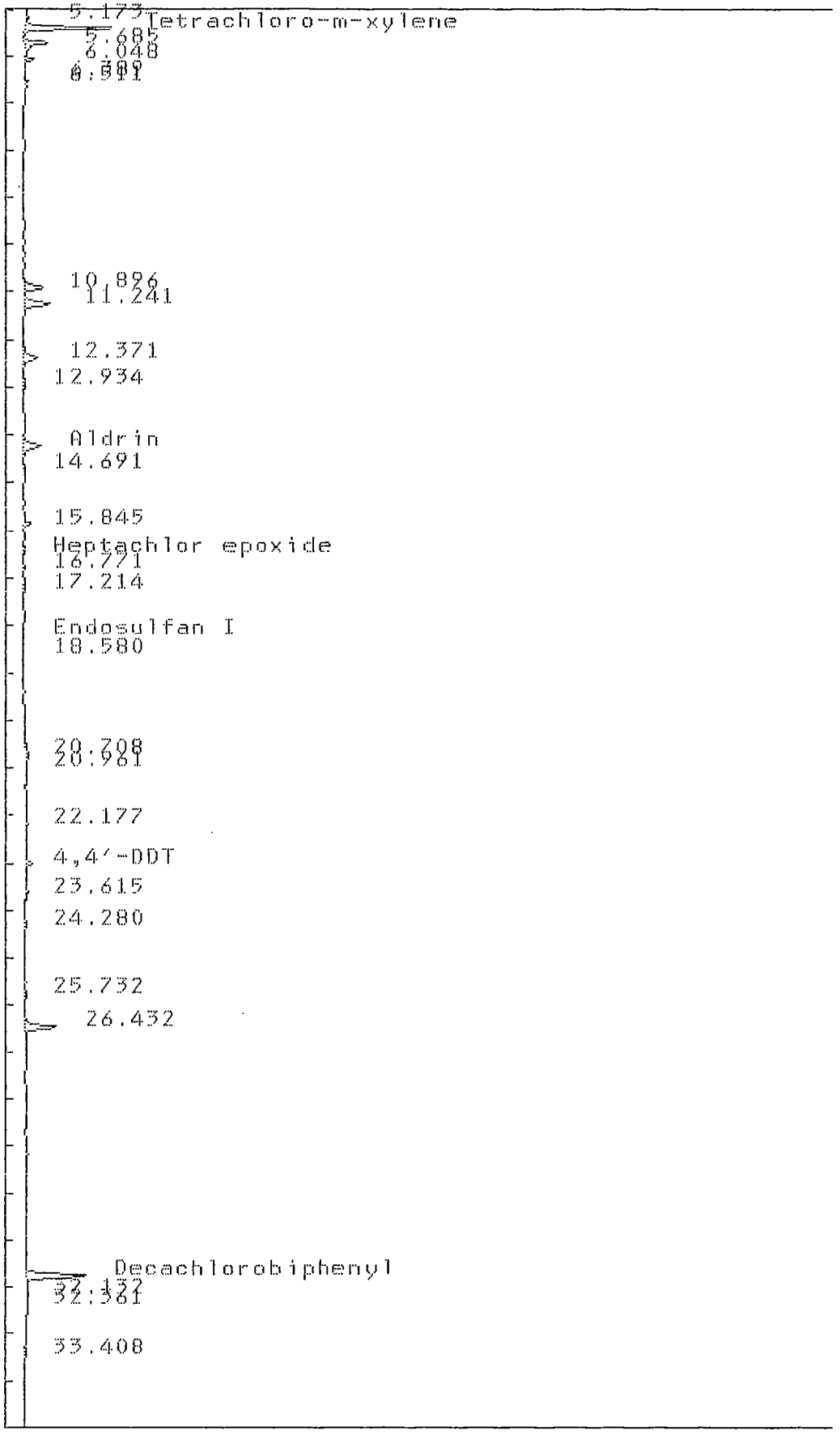
Peak Processor : Genie Multilevel : False
Instrument : XB Application : Loop
Calculation : ExternalSTD Quantitation : AreaUnits
Result File : /XB/XB518008.RES
Run Time : 35.00 Minutes Injected on Mon May 18, 1992 10:23:51 p

Run Status : EndOffBaseline
SignalOverload

Pk#	RT	Area	Code	NG	NAME
1	3.03	35826	BS	8.273715E-03	
2	3.27	379706	BB	8.768937E-02	
3	3.64	11828	BB	2.731667E-03	
4	3.71	16941	BB	3.912380E-03	
5	4.08	11857	BB	2.738304E-03	
6	4.26	90117	BB	2.081157E-02	
7	4.56	60218	BB	1.390686E-02	
8	4.86	20351	BB	4.699955E-03	
9	5.17	17464	BB	4.033032E-03	
10	5.37	518195	BB	3.662527E-02	Tetrachloro-m-xylene
11	5.68	210649	BB	4.864719E-02	
12	6.05	50447	BB	1.165014E-02	
13	6.39	10689	BB	2.468438E-03	
14	6.51	16322	BB	3.769508E-03	
15	10.90	177536	BB	4.100026E-02	
16	11.24	244482	BB	5.646070E-02	
17	12.37	154953	BB	3.578479E-02	
18	12.93	17588	BB	4.061887E-03	
19	14.21	185124	BB	1.667668E-02	Aldrin
20	14.69	12321	BB	2.845318E-03	
21	15.85	54503	BB	1.258683E-02	
22	16.45	18500	BB	1.449803E-03	Heptachlor epoxide
23	16.77	16182	BB	3.737109E-03	
24	17.21	8183	BB	1.889829E-03	
25	18.17	10589	BB	8.828361E-04	Endosulfan I
26	18.58	16117	BB	3.721988E-03	
27	20.71	37987	BB	8.772692E-03	
28	20.96	9580	BB	2.212516E-03	
29	22.18	17731	BB	4.094843E-03	
30	23.00	52660	BB	8.848328E-03	4,4'-DDT
31	23.62	28332	BB	6.542921E-03	
32	24.28	29108	BB	6.722259E-03	
33	25.73	14800	BB	3.418027E-03	
34	26.43	274229	BB	6.333056E-02	
35	31.74	497188	BB	3.704099E-02	Decachlorobiphenyl
36	32.13	8216	BB	1.897458E-03	
37	32.36	15304	BB	3.534221E-03	
38	33.41	8094	BB	1.869215E-03	

Total Area : 3359918 Total NG : .581

COLUMN ID:HP5890XB RTx5 .53MM
SampleName : PBLKI (90430) 1UL TMB
Method : /METHODS/XBIAIB514.MTH
Injected on :Mon May 18, 1992 10:23:51 pm
Report File : /DATA/LOOP/FORMAT/GSHORT_AREA.FMT



COLUMN ID:HP5890XB RTx5 .53MM
Sample Name : PBLKI (90430) 1UL TMB Report No : 15.00

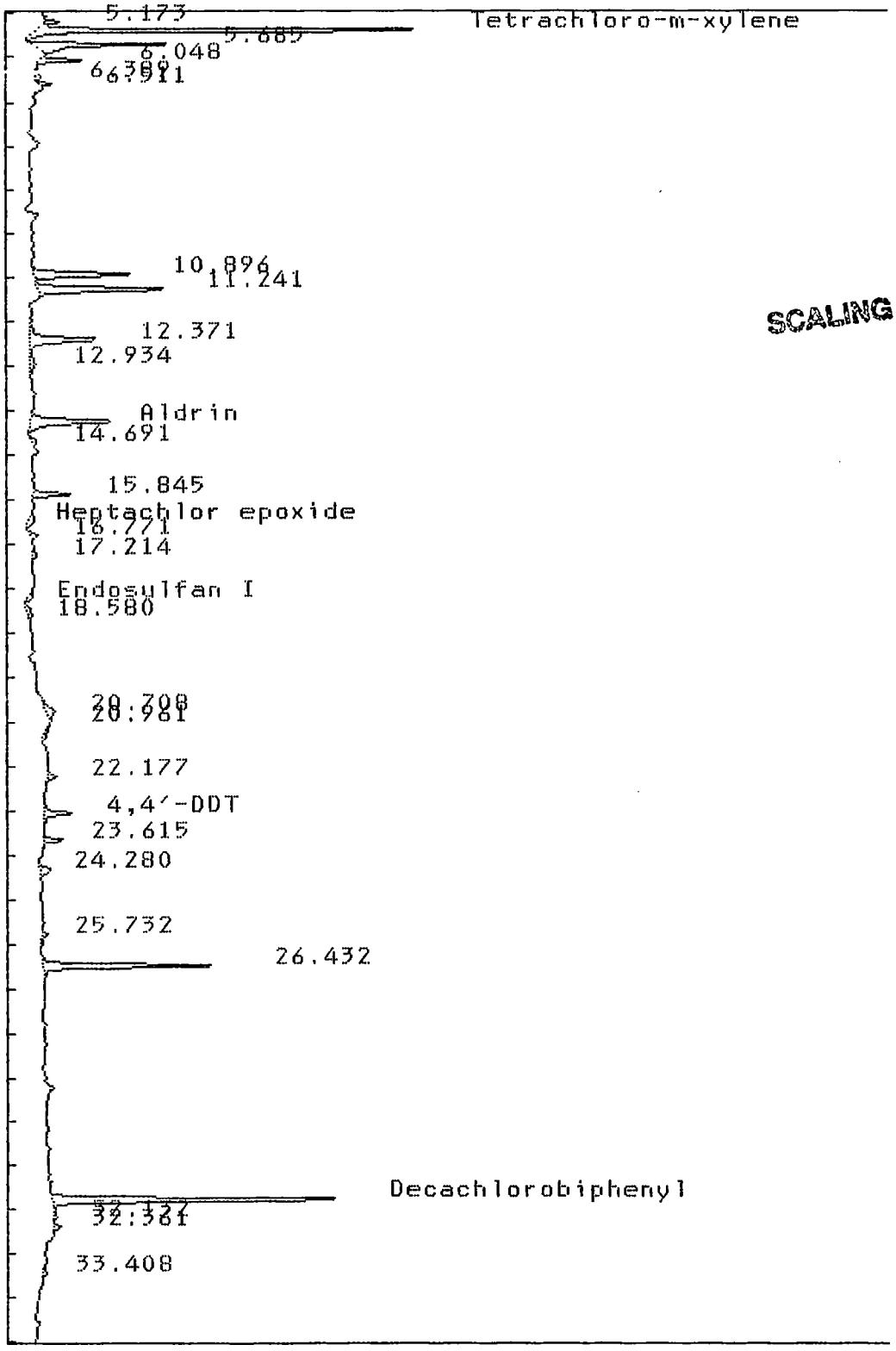
Peak Processor : Genie Multilevel : False
Instrument : XB Application : Loop
Calculation : ExternalSTD Quantitation : AreaUnits
Result File : /XB/XB518008.RES
Run Time : 35.00 Minutes Injected on Mon May 18, 1992 10:23:51 p

Run Status : EndOffBaseline
SignalOverload

Pk#	RT	Area	Code	NG	NAME
1	3.03	35826	BS	8.273715E-03	
2	3.27	379706	BB	8.768937E-02	
3	3.64	11828	BB	2.731667E-03	
4	3.71	16941	BB	3.912380E-03	
5	4.08	11857	BB	2.738304E-03	
6	4.26	90117	BB	2.081157E-02	
7	4.56	60218	BB	1.390686E-02	
8	4.86	20351	BB	4.699955E-03	
9	5.17	17464	BB	4.033032E-03	
10	5.37	518195	BB	3.662527E-02	Tetrachloro-m-xylene
11	5.68	210649	BB	4.864719E-02	
12	6.05	50447	BB	1.165014E-02	
13	6.39	10689	BB	2.468438E-03	
14	6.51	16322	BB	3.769508E-03	
15	10.90	177536	BB	4.100026E-02	
16	11.24	244482	BB	5.646070E-02	
17	12.37	154953	BB	3.578479E-02	
18	12.93	17588	BB	4.061887E-03	
19	14.21	185124	BB	1.667668E-02	Aldrin
20	14.69	12321	BB	2.845318E-03	
21	15.85	54503	BB	1.258683E-02	
22	16.45	18500	BB	1.449803E-03	Heptachlor epoxide
23	16.77	16182	BB	3.737109E-03	
24	17.21	8183	BB	1.889829E-03	
25	18.17	10589	BB	8.828361E-04	Endosulfan I
26	18.58	16117	BB	3.721988E-03	
27	20.71	37987	BB	8.772692E-03	
28	20.96	9580	BB	2.212516E-03	
29	22.18	17731	BB	4.094843E-03	
30	23.00	52660	BB	8.848328E-03	4,4'-DDT
31	23.62	28332	BB	6.542921E-03	
32	24.28	29108	BB	6.722259E-03	
33	25.73	14800	BB	3.418027E-03	
34	26.43	274229	BB	6.333056E-02	
35	31.74	497188	BB	3.704099E-02	Decachlorobiphenyl
36	32.13	8216	BB	1.897458E-03	
37	32.36	15304	BB	3.534221E-03	
38	33.41	8094	BB	1.869215E-03	

Total Area : 3359918 Total NG : .581

COLUMN ID:HP5890XB RTx5 .53MM
SampleName : PBLKI (90430) 1UL TMB
Method : /METHODS/XBIAIB514.MTH
Injected on :Mon May 18, 1992 10:23:51 pm
Report File : /DATA/LOOP/FORMAT/GSHORT_AREA.FMT



SCALING FACTOR 5

COLUMN ID:HP5890XA RTx1701 .53MM
Sample Name : PBLKII (92504) 1UL TMB Report No : 28.00

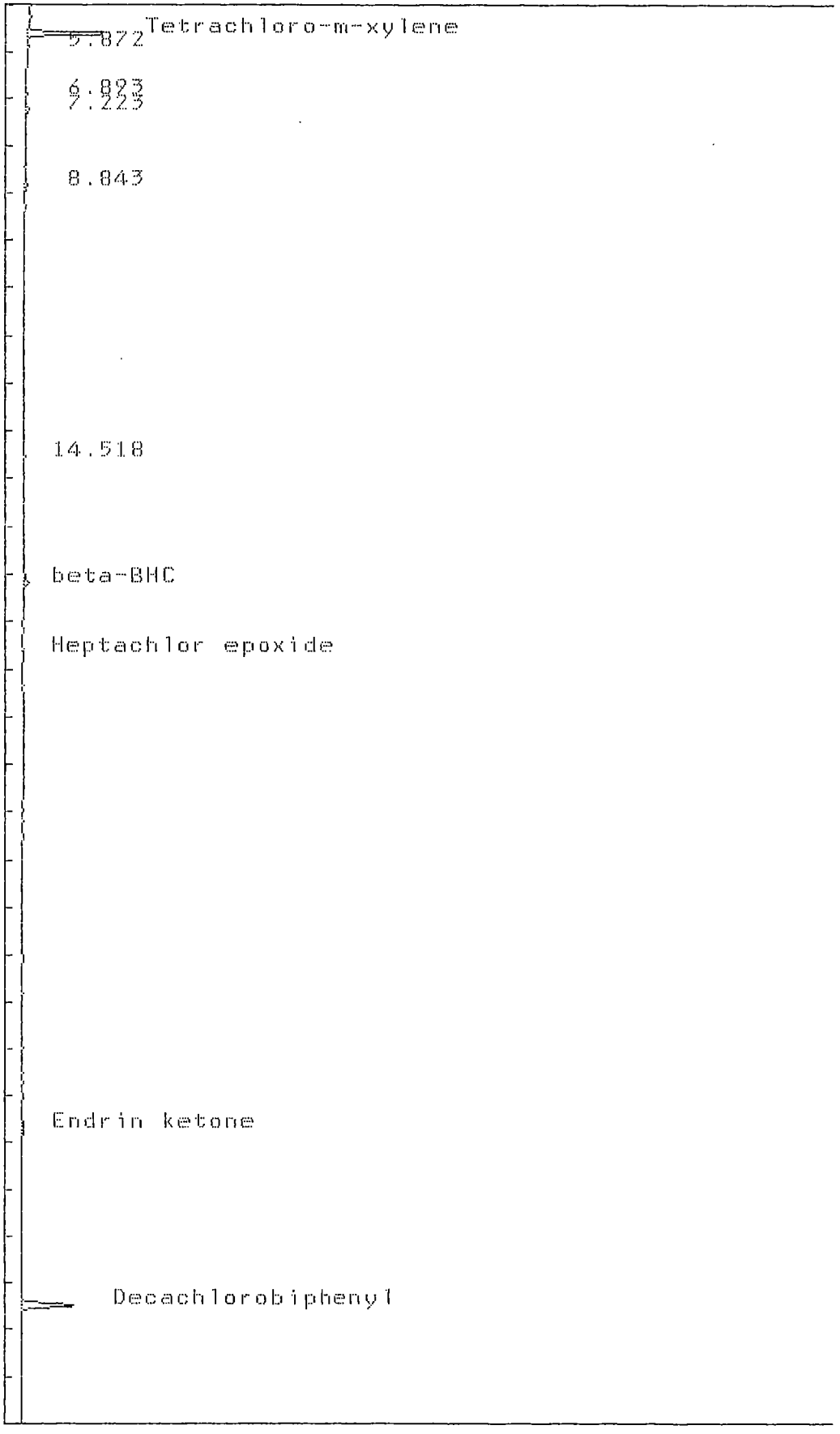
Peak Processor : Genie Multilevel : False
Instrument : XA Application : Loop
Calculation : ExternalSTD Quantitation : AreaUnits
Result File : /XA/XA518021.RES
Run Time : 35.00 Minutes Injected on Tue May 19, 1992 7:49:30 a

Run Status : EndOffBaseline
SignalOverload

Pk#	RT	Area	Code	NG	NAME
1	3.57	15937	BS	3.680404E-03	
2	3.86	150714	BB	3.480585E-02	
3	4.00	28899	BB	6.673921E-03	
4	4.15	143580	BB	3.315841E-02	
5	4.32	901915	BB	2.082883E-01	
6	4.56	242581	BB	5.602159E-02	
7	5.57	598715	BB	3.168188E-02	Tetrachloro-m-xylene
8	5.87	10695	BB	2.469904E-03	
9	6.89	9694	BB	2.238724E-03	
10	7.22	37143	BB	8.577710E-03	
11	8.84	27061	BB	6.249358E-03	
12	14.52	9210	BB	2.127066E-03	
13	17.18	36723	BB	4.328612E-03	beta-BHC
14	18.65	8657	BB	6.052353E-04	Heptachlor epoxide
15	28.70	14977	BB	1.966678E-03	Endrin ketone
16	32.46	475576	BB	3.497077E-02	Decachlorobiphenyl

Total Area : 2712076 Total NG : .438

COLUMN ID:HP5890XA RTx1701 .53MM
SampleName : PBLKII (92504) 1UL TMB
Method : /methods/XAIAIB514.MTH
Injected on :Tue May 19, 1992 7:49:30 am
Report File : /DATA/LOOP/FORMAT/GSHORT_AREA.FMT



COLUMN ID:HP5890XA RTx1701 .53MM
Sample Name : PBLKII (92504) 1UL TMB Report No : 28.00

Peak Processor : Genie Multilevel : False
Instrument : XA Application : Loop
Calculation : ExternalSTD Quantitation : AreaUnits
Result File : /XA/XA518021.RES
Run Time : 35.00 Minutes Injected on Tue May 19, 1992 7:49:30 a

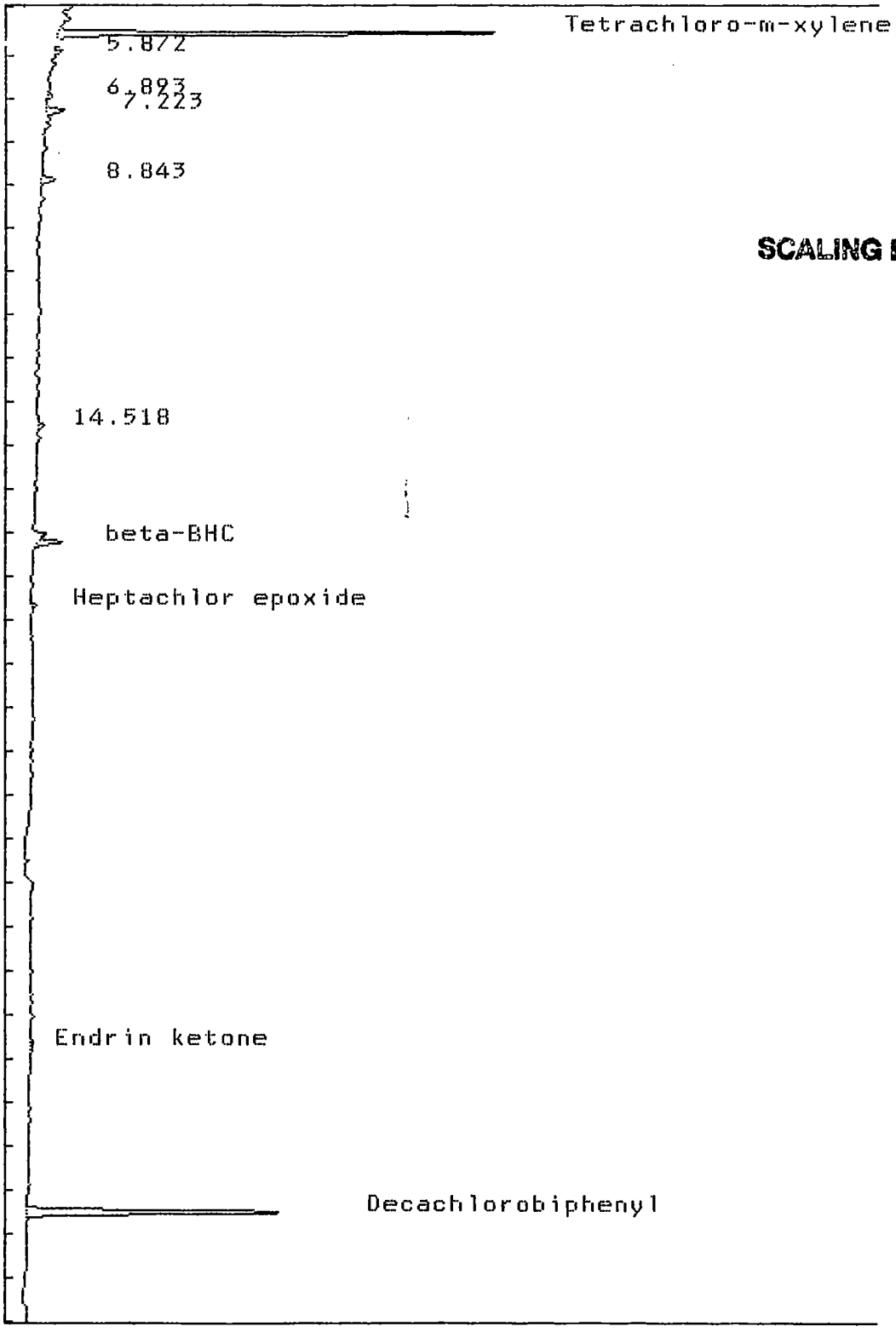
Run Status : EndOffBaseline
SignalOverload

Pk#	RT	Area	Code	NG	NAME
1	3.57	15937	BS	3.680404E-03	
2	3.86	150714	BB	3.480585E-02	
3	4.00	28899	BB	6.673921E-03	
4	4.15	143580	BB	3.315841E-02	
5	4.32	901915	BB	2.082883E-01	
6	4.56	242581	BB	5.602159E-02	
7	5.57	598715	BB	3.168188E-02	Tetrachloro-m-xylene
8	5.87	10695	BB	2.469904E-03	
9	6.89	9694	BB	2.238724E-03	
10	7.22	37143	BB	8.577710E-03	
11	8.84	27061	BB	6.249358E-03	
12	14.52	9210	BB	2.127066E-03	
13	17.18	36723	BB	4.328612E-03	beta-BHC
14	18.65	8657	BB	6.052353E-04	Heptachlor epoxide
15	28.70	14977	BB	1.966678E-03	Endrin ketone
16	32.46	475576	BB	3.497077E-02	Decachlorobiphenyl

Total Area : 2712076 Total NG : .438

COLUMN ID:HP5890XA RTx1701 .53MM

SampleName : PBLKII (92504) 1UL TMB
Method : /methods/XAIAIB514.MTH
Injected on :Tue May 19, 1992 7:49:30 am
Report File : /DATA/LOOP/FORMAT/GSHORT_AREA.FMT



SCALING FACTOR 5

COLUMN ID:HP5890XB RTx5 .53MM
Sample Name : PBLKII (92504) 1UL TMB Report No : 28.00

Peak Processor : Genie Multilevel : False
Instrument : XB Application : Loop
Calculation : ExternalSTD Quantitation : AreaUnits
Result File : /XB/XB518021.RES
Run Time : 35.00 Minutes Injected on Tue May 19, 1992 7:49:30 a

Run Status : SignalOverload

Pk#	RT	Area	Code	NG	NAME
1	3.14	46772	BB	1.080163E-02	
2	3.29	100734	BB	2.326353E-02	
3	3.54	18530	BB	4.279399E-03	
4	3.60	15936	BB	3.680285E-03	
5	3.67	38828	BB	8.967012E-03	
6	3.86	46919	BB	1.083554E-02	
7	3.97	43660	BB	1.008283E-02	
8	4.08	38553	BB	8.903390E-03	
9	4.18	26689	BB	6.163528E-03	
10	4.26	154259	BB	3.562464E-02	
11	4.40	21760	BB	5.025262E-03	
12	4.71	19964	BB	4.610459E-03	
13	4.86	50749	BB	1.171999E-02	
14	4.98	9579	BB	2.212239E-03	
15	5.36	1206559	BB	8.527793E-02	Tetrachloro-m-xylene
16	5.71	41978	BB	9.694289E-03	
17	6.05	23893	BB	5.517946E-03	
18	6.40	28766	BB	6.643240E-03	
19	6.75	19586	BB	1.654258E-03	alpha-BHC
20	6.98	30052	BB	6.940152E-03	
21	7.19	11939	BB	2.757173E-03	
22	7.83	14313	BB	3.305431E-03	
23	8.30	8120	BB	6.019474E-04	~~gamma-BHC(Lindane)~~ MB 5/21/92
24	8.64	9981	BB	2.305090E-03	
25	9.56	10039	BB	8.888744E-04	~~delta-BHC~~ MB 5/21/92
26	10.21	8863	BB	2.046722E-03	
27	11.24	59253	BB	1.368380E-02	
28	11.93	21397	BB	4.941490E-03	
29	12.37	109618	BB	8.494893E-03	~~Heptachlor~~ MB 5/21/92
30	12.91	9529	BB	2.200541E-03	
31	14.21	195027	BB	1.756881E-02	Aldrin
32	14.68	29268	BB	6.759094E-03	
33	15.49	9049	BB	2.089809E-03	
34	15.85	12219	BB	2.821798E-03	
35	16.40	9108	BB	7.137217E-04	Heptachlor epoxide
36	16.79	8702	BB	2.009674E-03	
37	18.20	10582	BB	8.822874E-04	Endosulfan I
38	19.92	13313	BB	3.074402E-03	
39	22.99	17204	BB	2.890754E-03	4,4'-DDT
40	24.27	35595	BB	8.220397E-03	
41	25.44	8393	BB	8.393137E+03	Methoxychlor
42	26.43	39442	BB	9.108678E-03	
43	31.74	930254	BB	6.930479E-02	Decachlorobiphenyl

Total Area : 3564975 Total NG : 8393.564

COLUMN ID:HP5890XB RTx5 .53MM
SampleName : PBLKII (92504) 1UL TMB
Method : /METHODS/XBIAIB514.MTH
Injected on :Tue May 19, 1992 7:49:30 am
Report File : /DATA/LOOP/FORMAT/GSHORT_AREA.FMT

4.982
Tetrachloro-m-xylene
5.715
6.042
6.399
alpha-BHC
7.189
7.828
~~gamma-BHC(Lindane)~~ MP 5/21/92
8.640
~~delta-BHC~~ MP 5/21/92
10.208
11.242
11.935
~~Heptachlor~~ MP 5/21/92
12.914
Aldrin
14.677
15.490
15.848
Heptachlor epoxide
16.786
Endosulfan I
19.923
4,4'-DDT
24.269
Methoxychlor
26.433
Decachlorobiphenyl

COLUMN ID:HP5890XB RTx5 .53MM
Sample Name : PBLKII (92504) 1UL TMB Report No : 28.00

Peak Processor : Genie Multilevel : False
Instrument : XB Application : Loop
Calculation : ExternalSTD Quantitation : AreaUnits
Result File : /XB/XB518021.RES
Run Time : 35.00 Minutes Injected on Tue May 19, 1992 7:49:30 a

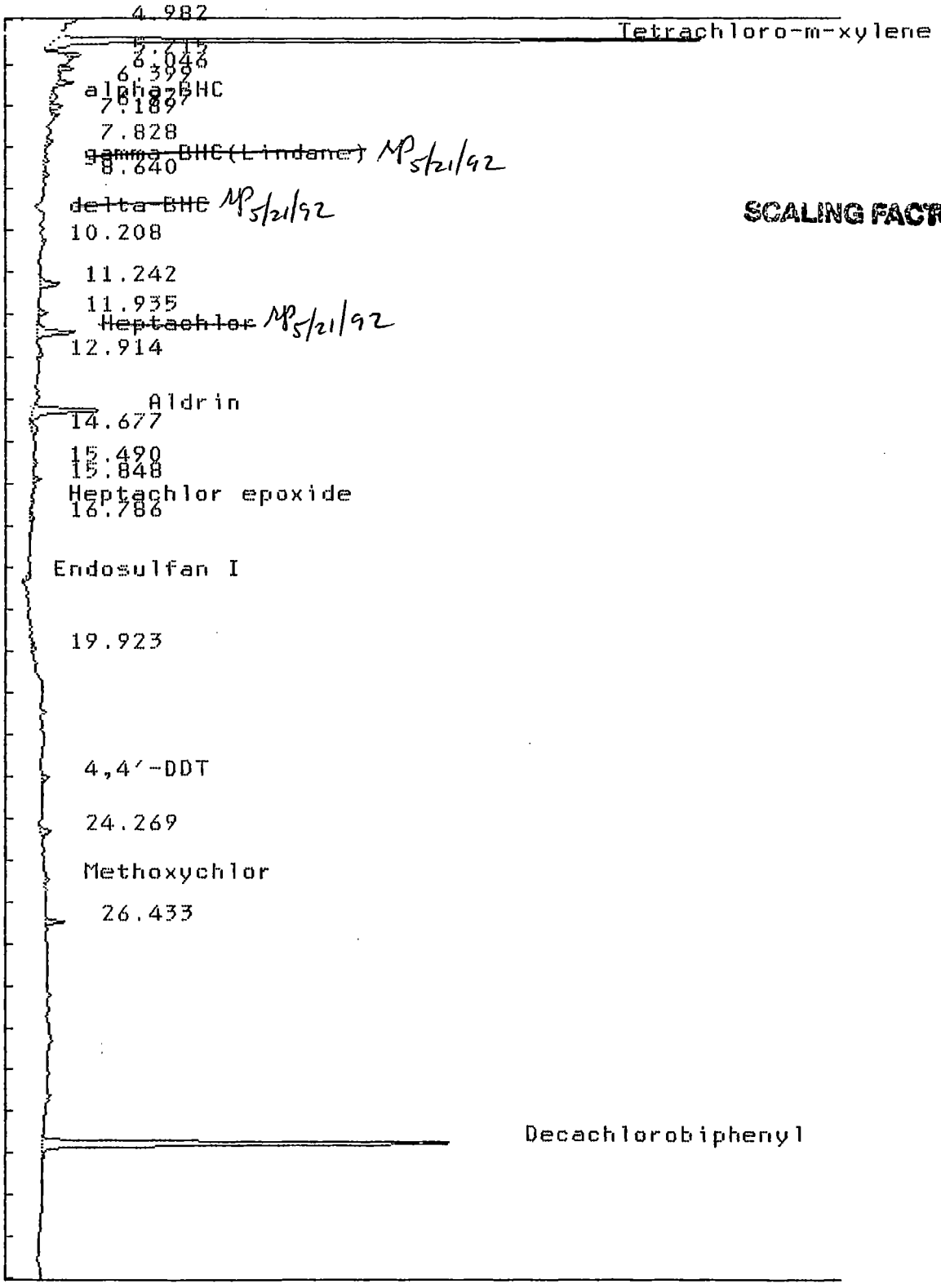
Run Status : SignalOverload

Pk#	RT	Area	Code	NG	NAME
1	3.14	46772	BB	1.080163E-02	
2	3.29	100734	BB	2.326353E-02	
3	3.54	18530	BB	4.279399E-03	
4	3.60	15936	BB	3.680285E-03	
5	3.67	38828	BB	8.967012E-03	
6	3.86	46919	BB	1.083554E-02	
7	3.97	43660	BB	1.008283E-02	
8	4.08	38553	BB	8.903390E-03	
9	4.18	26689	BB	6.163528E-03	
10	4.26	154259	BB	3.562464E-02	
11	4.40	21760	BB	5.025262E-03	
12	4.71	19964	BB	4.610459E-03	
13	4.86	50749	BB	1.171999E-02	
14	4.98	9579	BB	2.212239E-03	
15	5.36	1206559	BB	8.527793E-02	Tetrachloro-m-xylene
16	5.71	41978	BB	9.694289E-03	
17	6.05	23893	BB	5.517946E-03	
18	6.40	28766	BB	6.643240E-03	
19	6.75	19586	BB	1.654258E-03	alpha-BHC
20	6.98	30052	BB	6.940152E-03	
21	7.19	11939	BB	2.757173E-03	
22	7.83	14313	BB	3.305431E-03	
23	8.30	8120	BB	6.019474E-04	~~gamma-BHC(Lindane)~~ MP 5/21/92
24	8.64	9981	BB	2.305090E-03	
25	9.56	10039	BB	8.888744E-04	~~delta-BHC~~ MP 5/21/92
26	10.21	8863	BB	2.046722E-03	
27	11.24	59253	BB	1.368380E-02	
28	11.93	21397	BB	4.941490E-03	
29	12.37	109618	BB	8.494893E-03	~~Heptachlor~~ MP 5/21/92
30	12.91	9529	BB	2.200541E-03	
31	14.21	195027	BB	1.756881E-02	Aldrin
32	14.68	29268	BB	6.759094E-03	
33	15.49	9049	BB	2.089809E-03	
34	15.85	12219	BB	2.821798E-03	
35	16.40	9108	BB	7.137217E-04	Heptachlor epoxide
36	16.79	8702	BB	2.009674E-03	
37	18.20	10582	BB	8.822874E-04	Endosulfan I
38	19.92	13313	BB	3.074402E-03	
39	22.99	17204	BB	2.890754E-03	4,4'-DDT
40	24.27	35595	BB	8.220397E-03	
41	25.44	8393	BB	8.393137E+03	Methoxychlor
42	26.43	39442	BB	9.108678E-03	
43	31.74	930254	BB	6.930479E-02	Decachlorobiphenyl

Total Area : 3564975 Total NG : 8393.564

COLUMN ID:HP5890XB RTx5 .53MM

SampleName : PBLKII (92504) 1UL TMB
Method : /METHODS/XBIAIB514.MTH
Injected on :Tue May 19, 1992 7:49:30 am
Report File : /DATA/LOOP/FORMAT/GSHORT_AREA.FMT



SCALING FACTOR 4

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PIBLKX9

Lab Name:Wadsworth/ALERT Labs Contract:68-DI-0085

Lab Code:WADS Case No.19026 SAS No.: SDG No.:EQK01

Matrix: (soil/water)WATER Lab Sample ID: P1112X9

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

% Moisture: decanted: (Y/N) Date Received: / /

Extraction: (SepF/Cont/Sonc)CONT Date Extracted: / /

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 5/18/92

Injection Volume: 1.0 (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	0.025	U
319-85-7	beta-BHC	0.025	U
319-86-8	delta-BHC	0.025	U
58-89-9	gamma-BHC(Lindane)	0.025	U
76-44-8	Heptachlor	0.025	U
309-00-2	Aldrin	0.025	U
1024-57-3	Heptachlor epoxide	0.025	U
959-98-8	Endosulfan I	0.025	U
60-57-1	Dieldrin	0.05	U
72-55-9	4,4'-DDE	0.05	U
72-20-8	Endrin	0.05	U
33213-65-9	Endosulfan II	0.05	U
72-54-8	4,4'-DDD	0.05	U
1031-07-8	Endosulfan sulfate	0.05	U
50-29-3	4,4'-DDT	0.05	U
72-43-5	Methoxychlor	0.25	U
53494-70-5	Endrin ketone	0.05	U
7421-93-4	Endrin aldehyde	0.05	U
5103-71-9	alpha-Chlordane	0.025	U
5103-74-2	gamma-Chlordane	0.025	U
8001-35-2	Toxaphene	2.5	U
12674-11-2	Aroclor-1016	0.50	U
11104-28-2	Aroclor-1221	1.0	U
11141-16-5	Aroclor-1232	0.50	U
53469-21-9	Aroclor-1242	0.50	U
12672-29-6	Aroclor-1248	0.50	U
11097-69-1	Aroclor-1254	0.50	U
11096-82-5	Aroclor-1260	0.50	U

COLUMN ID:HP5890XA RTx1701 .53MM

Sample Name : PIBLKX9 (P1112X9) 1UL TMB Report No : 9.00

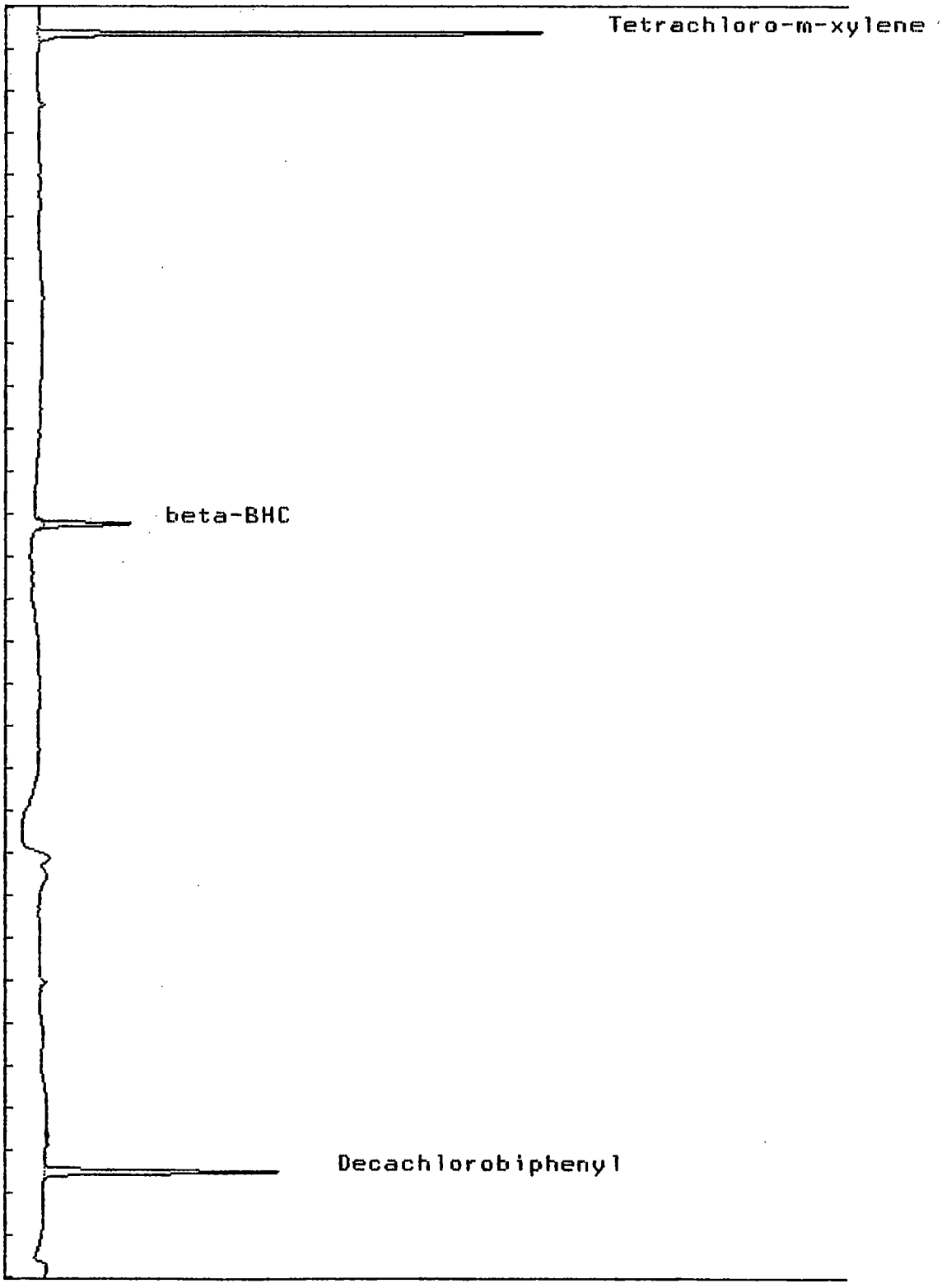
Peak Processor : Genie Multilevel : False
Instrument : XA Application : Loop
Calculation : ExternalSTD Quantitation : AreaUnits
Result File : /XA/XA518002.RES
Run Time : 35.02 Minutes Injected on Mon May 18, 1992 6:02:39 p

Run Status : RunStatusOK
EndOffBaseline

Pk#	RT	Area	Code	NG	NAME
1	4.33	9368	BB	2.163556E-03	
2	5.58	291152	BB	1.540674E-02	Tetrachloro-m-xylene
3	17.19	56074	BB	6.609576E-03	beta-BHC
4	32.47	156013	BB	1.147216E-02	Decachlorobiphenyl

Total Area : 512607 Total NG : .036

COLUMN ID:HP5890XA RTx1701 .53MM
SampleName : PIBLKX9 (P1112X9) 1UL TMB
Method : /methods/XAIAIB514.MTH
Injected on :Mon May 18, 1992 6:02:39 pm
Report File : /DATA/LOOP/FORMAT/GSHORT_AREA.FMT



COLUMN ID:HP5890XB RTx5 .53MM
Sample Name : PIBLKX9 (P1112X9) 1UL TMB Report No : 9.00

Peak Processor : Genie Multilevel : False
Instrument : XB Application : Loop
Calculation : ExternalSTD Quantitation : AreaUnits
Result File : /XB/XB518002.RES
Run Time : 35.02 Minutes Injected on Mon May 18, 1992 6:02:39 p

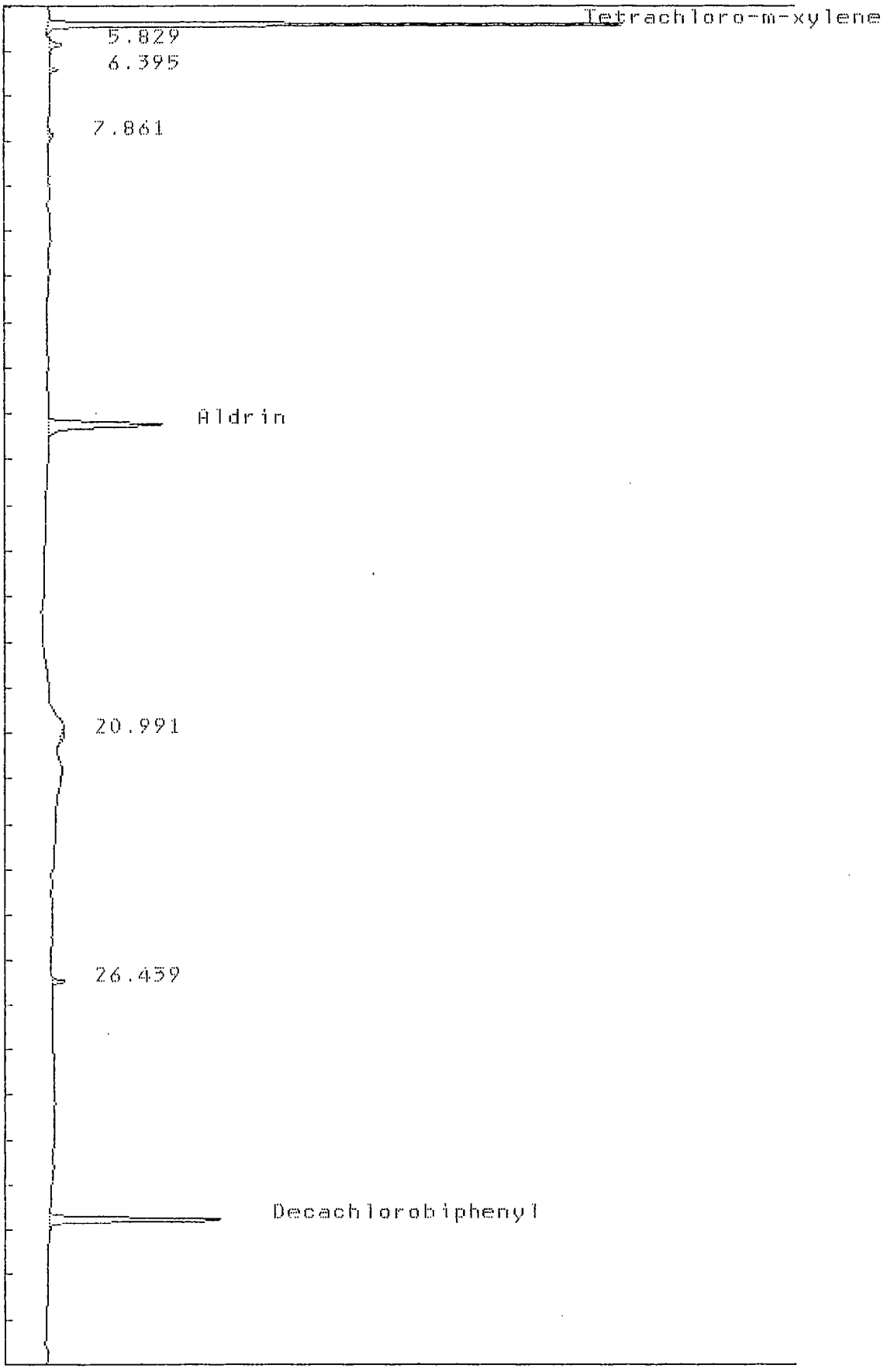
Run Status : RunStatusOK

Pk#	RT	Area	Code	NG	NAME
1	4.36	16988	BB	3.923262E-03	
2	5.37	695833	BB	4.918051E-02	Tetrachloro-m-xylene
3	5.83	19776	BB	4.566998E-03	
4	6.39	10335	BB	2.386712E-03	
5	7.86	10504	BB	2.425733E-03	
6	14.21	266675	BB	2.402319E-02	Aldrin
7	20.99	10836	BB	2.502560E-03	
8	26.44	21727	BB	5.017634E-03	
9	31.75	320925	BB	2.390921E-02	Decachlorobiphenyl

Total Area : 1373600 Total NG : .118

COLUMN ID:HP5890XB RTx5 .53MM

SampleName : PIBLKX9 (P1112X9) 1UL TMB
Method : /METHODS/XBIAIB514.MTH
Injected on :Mon May 18, 1992 6:02:39 pm
Report File : /DATA/LOOP/FORMAT/GSHORT_AREA.FMT



1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PIBLKX10

Lab Name:Wadsworth/ALERT Labs Contract:68-DI-0085

Lab Code:WADS Case No.19026 SAS No.: SDG No.:EQK01

Matrix: (soil/water)WATER Lab Sample ID: P1112X10

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

% Moisture: decanted: (Y/N) Date Received: / /

Extraction: (SepF/Cont/Sonc)CONT Date Extracted: / /

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 5/19/92

Injection Volume: 1.0 (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	0.025	U
319-85-7	beta-BHC	0.025	U
319-86-8	delta-BHC	0.025	U
58-89-9	gamma-BHC(Lindane)	0.025	U
76-44-8	Heptachlor	0.025	U
309-00-2	Aldrin	0.025	U
1024-57-3	Heptachlor epoxide	0.025	U
959-98-8	Endosulfan I	0.025	U
60-57-1	Dieldrin	0.05	U
72-55-9	4,4'-DDE	0.05	U
72-20-8	Endrin	0.05	U
33213-65-9	Endosulfan II	0.05	U
72-54-8	4,4'-DDD	0.05	U
1031-07-8	Endosulfan sulfate	0.05	U
50-29-3	4,4'-DDT	0.05	U
72-43-5	Methoxychlor	0.25	U
53494-70-5	Endrin ketone	0.05	U
7421-93-4	Endrin aldehyde	0.05	U
5103-71-9	alpha-Chlordane	0.025	U
5103-74-2	gamma-Chlordane	0.025	U
8001-35-2	Toxaphene	2.5	U
12674-11-2	Aroclor-1016	0.50	U
11104-28-2	Aroclor-1221	1.0	U
11141-16-5	Aroclor-1232	0.50	U
53469-21-9	Aroclor-1242	0.50	U
12672-29-6	Aroclor-1248	0.50	U
11097-69-1	Aroclor-1254	0.50	U
11096-82-5	Aroclor-1260	0.50	U

COLUMN ID:HP5890XA RTx1701 .53MM
Sample Name : PIBLKX10 (P1112X10) 1UL TMB Report No : 21.00

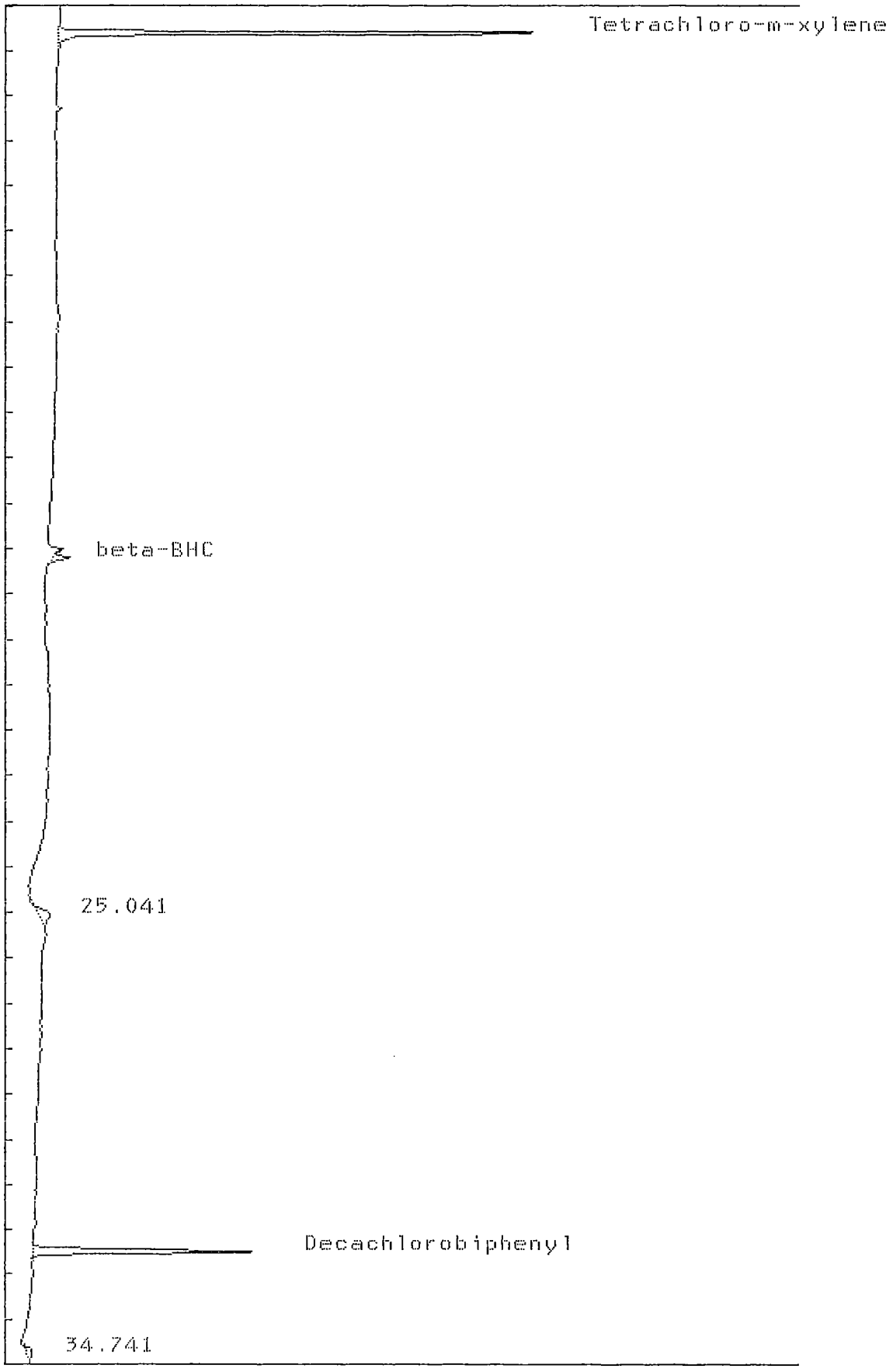
Peak Processor : Genie Multilevel : False
Instrument : XA Application : Loop
Calculation : ExternalSTD Quantitation : AreaUnits
Result File : /XA/XA518014.RES
Run Time : 35.00 Minutes Injected on Tue May 19, 1992 2:44:59 a

Run Status : RunStatusOK
EndOffBaseline

Pk#	RT	Area	Code	NG	NAME
1	4.40	17621	BB	4.069442E-03	
2	4.56	9835	BB	2.271216E-03	
3	5.57	291948	BB	1.544886E-02	Tetrachloro-m-xylene
4	17.18	8463	BB	9.975319E-04	beta-BHC
5	25.04	19746	BB	4.560116E-03	
6	32.47	157503	BB	1.158174E-02	Decachlorobiphenyl
7	34.74	8193	BB	1.892157E-03	

Total Area : 513309 Total NG : .041

COLUMN ID:HP5890XA RTx1701 .53MM
SampleName : PIBLKX10 (P1112X10) 1UL TMB
Method : /methods/XAIAIB514.MTH
Injected on :Tue May 19, 1992 2:44:59 am
Report File : /DATA/LOOP/FORMAT/GSHORT_AREA.FMT



COLUMN ID:HP5890XB RTx5 .53MM
Sample Name : PIBLKX10 (P1112X10) 1UL TMB Report No : 21.00

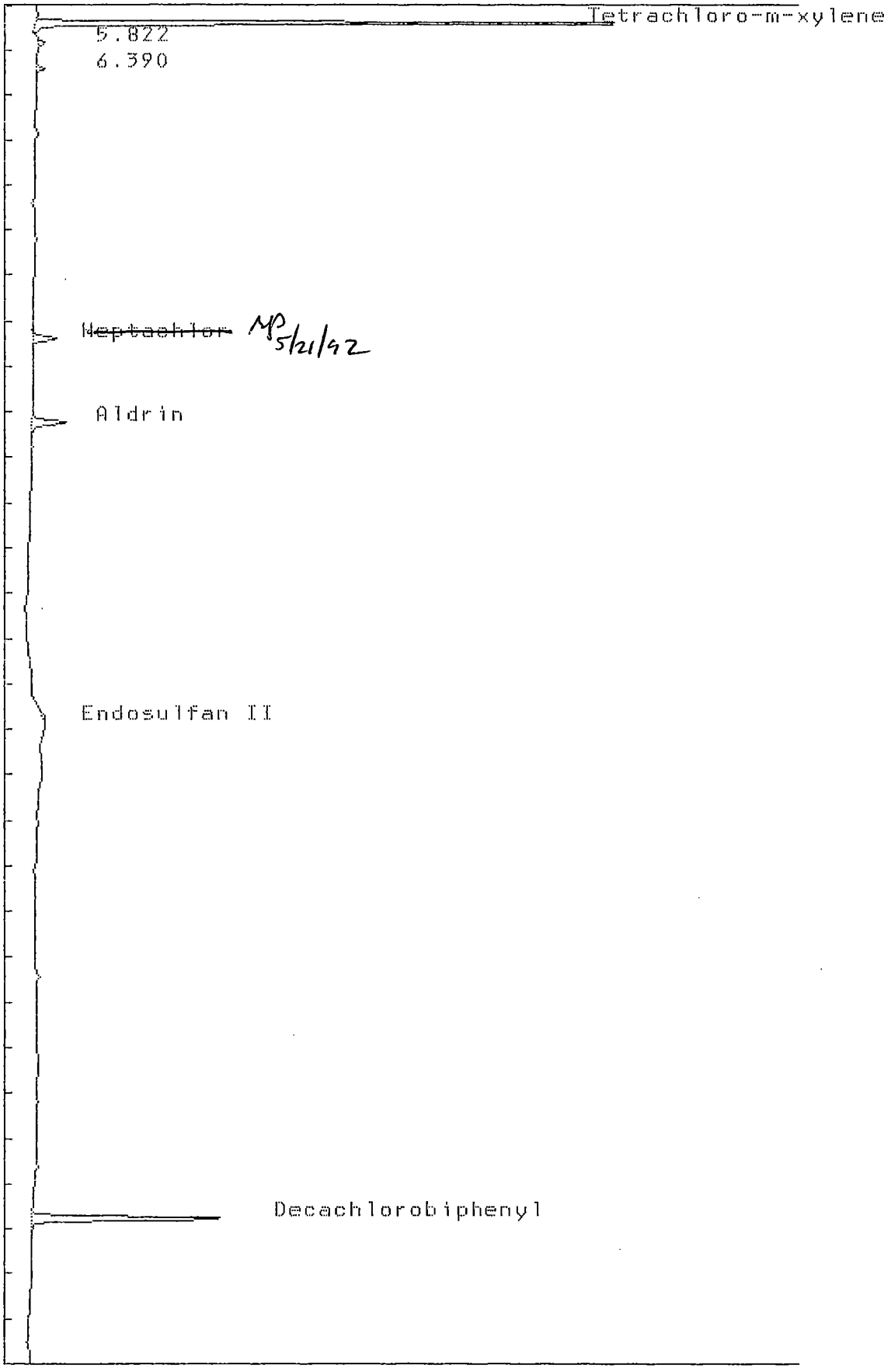
Peak Processor : Genie Multilevel : False
Instrument : XB Application : Loop
Calculation : ExternalSTD Quantitation : AreaUnits
Result File : /XB/XB518014.RES
Run Time : 35.00 Minutes Injected on Tue May 19, 1992 2:44:59 a

Run Status : RunStatusOK

Pk#	RT	Area	Code	NG	NAME
1	3.29	38236	BB	8.830337E-03	
2	4.35	11465	BB	2.647670E-03	
3	5.36	710062	BB	5.018616E-02	Tetrachloro-m-xylene
4	5.82	13160	BB	3.039235E-03	
5	6.39	10433	BB	2.409423E-03	
6	12.37	49004	BB	3.797574E-03	~~Heptachlor~~ MP 5/21/92
7	14.21	80789	BB	7.277807E-03	Aldrin
8	20.80	8984	BB	8.567829E-04	Endosulfan II
9	31.75	338990	BB	2.525504E-02	Decachlorobiphenyl

Total Area : 1261122 Total NG : .104

COLUMN ID:HP5890XB RTx5 .53MM
SampleName : PIBLKX10 (P1112X10) 1UL TMB
Method : /METHODS/XBIAIB514.MTH
Injected on :Tue May 19, 1992 2:44:59 am
Report File : /DATA/LOOP/FORMAT/GSHORT_AREA.FMT



1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PIBLKX11

Lab Name:Wadsworth/ALERT Labs Contract:68-DI-0085

Lab Code:WADS Case No.19026 SAS No.: SDG No.:EQK01

Matrix: (soil/water)WATER Lab Sample ID: P1112X11

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

% Moisture: decanted: (Y/N) Date Received: / /

Extraction: (SepF/Cont/Sonc)CONT Date Extracted: / /

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 5/19/92

Injection Volume: 1.0 (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	0.025	U
319-85-7	beta-BHC	0.025	U
319-86-8	delta-BHC	0.025	U
58-89-9	gamma-BHC(Lindane)	0.025	U
76-44-8	Heptachlor	0.025	U
309-00-2	Aldrin	0.025	U
1024-57-3	Heptachlor epoxide	0.025	U
959-98-8	Endosulfan I	0.025	U
60-57-1	Dieldrin	0.05	U
72-55-9	4,4'-DDE	0.05	U
72-20-8	Endrin	0.05	U
33213-65-9	Endosulfan II	0.05	U
72-54-8	4,4'-DDD	0.05	U
1031-07-8	Endosulfan sulfate	0.05	U
50-29-3	4,4'-DDT	0.05	U
72-43-5	Methoxychlor	0.25	U
53494-70-5	Endrin ketone	0.05	U
7421-93-4	Endrin aldehyde	0.05	U
5103-71-9	alpha-Chlordane	0.025	U
5103-74-2	gamma-Chlordane	0.025	U
8001-35-2	Toxaphene	2.5	U
12674-11-2	Aroclor-1016	0.50	U
11104-28-2	Aroclor-1221	1.0	U
11141-16-5	Aroclor-1232	0.50	U
53469-21-9	Aroclor-1242	0.50	U
12672-29-6	Aroclor-1248	0.50	U
11097-69-1	Aroclor-1254	0.50	U
11096-82-5	Aroclor-1260	0.50	U

COLUMN ID:HP5890XA RTx1701 .53MM
Sample Name : PIBLKX11 (P1112X11) 1UL TMB Report No : 34.00

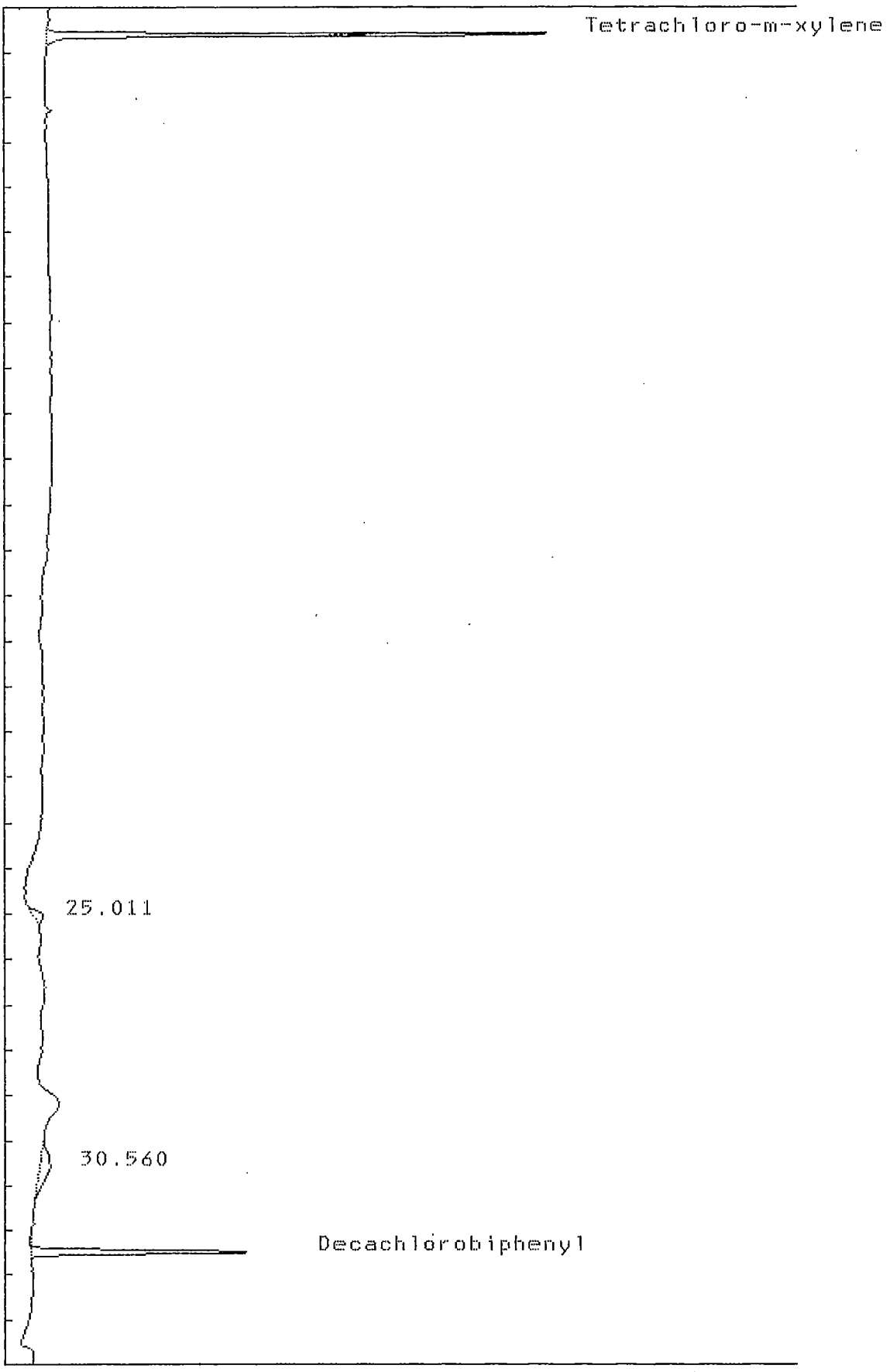
Peak Processor : Genie Multilevel : False
Instrument : XA Application : Loop
Calculation : ExternalSTD Quantitation : AreaUnits
Result File : /XA/XA518027.RES
Run Time : 35.00 Minutes Injected on Tue May 19, 1992 12:10:27 p

Run Status : RunStatusOK

Pk#	RT	Area	Code	NG	NAME
1	3.86	23915	BB	5.522873E-03	
2	4.15	22111	BB	5.106322E-03	
3	4.32	163064	BB	3.765795E-02	
4	4.56	45276	BB	1.045604E-02	
5	5.57	291382	BB	1.541891E-02	Tetrachloro-m-xylene
6	25.01	18319	BB	4.230595E-03	
7	30.56	53758	BB	1.241492E-02	
8	32.46	155206	BB	1.141286E-02	Decachlorobiphenyl

Total Area : 773031 Total NG : .102

COLUMN ID:HP5890XA RTx1701 .53MM
SampleName : PIBLKX11 (P1112X11) 1UL TMB
Method : /methods/XAIAIB514.MTH
Injected on :Tue May 19, 1992 12:10:27 pm
Report File : /DATA/LOOP/FORMAT/GSHORT_AREA.FMT



COLUMN ID:HP5890XB RTx5 .53MM
Sample Name : PIBLKX11 (P1112X11) 1UL TMB Report No : 34.00

Peak Processor : Genie Multilevel : False
Instrument : XB Application : Loop
Calculation : ExternalSTD Quantitation : AreaUnits
Result File : /XB/XB518027.RES
Run Time : 35.00 Minutes Injected on Tue May 19, 1992 12:10:27 p

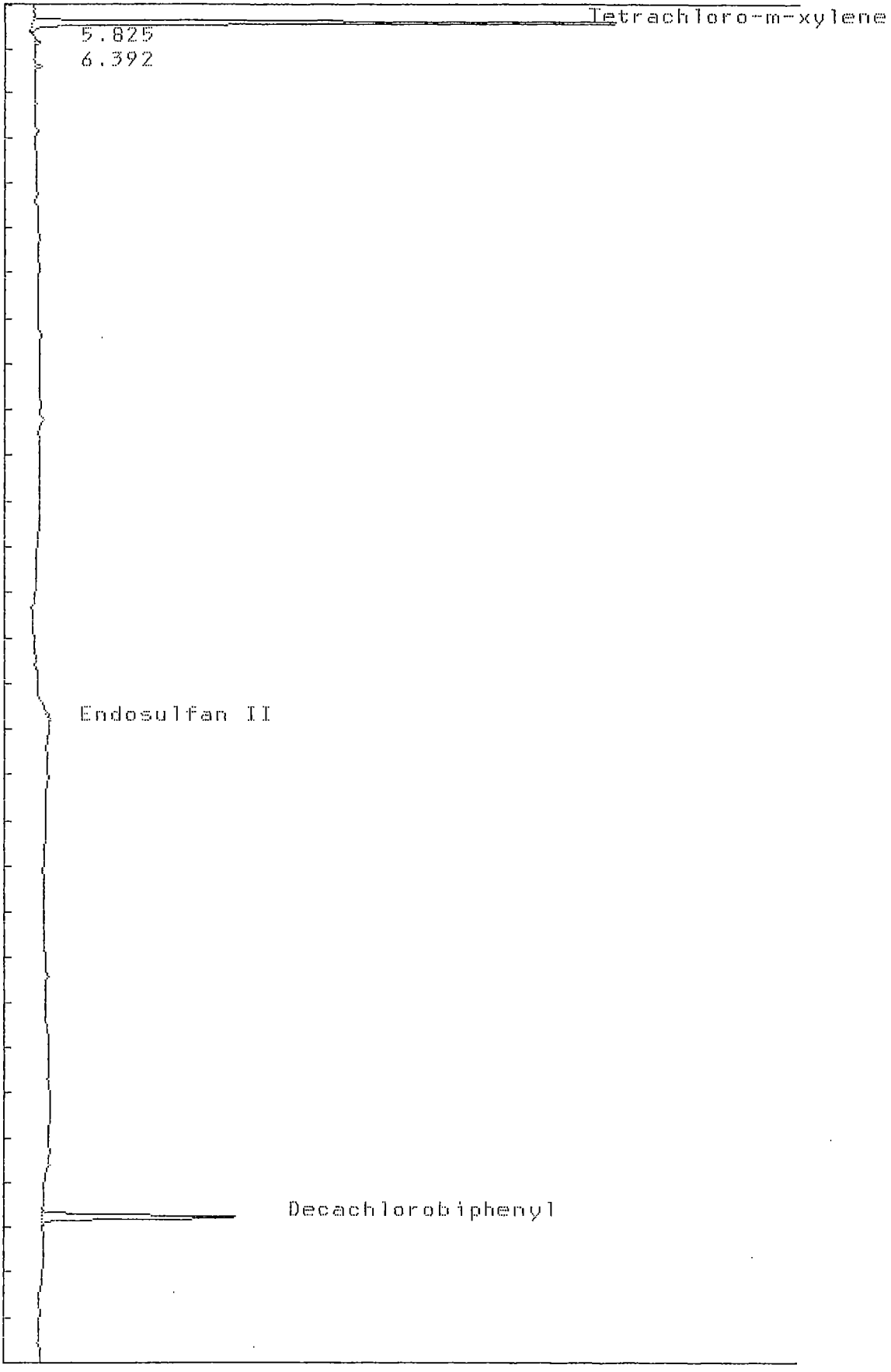
Run Status : RunStatusOK
EndOffBaseline

Pk#	RT	Area	Code	NG	NAME
1	4.35	8529	BB	1.969743E-03	
2	5.36	730182	BB	5.160825E-02	Tetrachloro-m-xylene
3	5.82	9819	BB	2.267675E-03	
4	6.39	10582	BB	2.443711E-03	
5	20.79	10366	BB	9.886175E-04	Endosulfan II
6	31.74	332671	BB	2.478427E-02	Decachlorobiphenyl

Total Area : 1102149 Total NG : .084

COLUMN ID:HP5890XB RTx5 .53MM

SampleName : PIBLKX11 (P1112X11) 1UL TMB
Method : /METHODS/XBIAIB514.MTH
Injected on :Tue May 19, 1992 12:10:27 pm
Report File : /DATA/LOOP/FORMAT/GSHORT_AREA.FMT



1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PIBLKX12

Lab Name:Wadsworth/ALERT Labs Contract:68-DI-0085

Lab Code:WADS Case No.19026 SAS No.: SDG No.:EQK01

Matrix: (soil/water)WATER Lab Sample ID: P1112X12

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

% Moisture: decanted: (Y/N) Date Received: / /

Extraction: (SepF/Cont/Sonc)CONT Date Extracted: / /

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 5/19/92

Injection Volume: 1.0 (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	0.025	U
319-85-7	beta-BHC	0.025	U
319-86-8	delta-BHC	0.025	U
58-89-9	gamma-BHC(Lindane)	0.025	U
76-44-8	Heptachlor	0.025	U
309-00-2	Aldrin	0.025	U
1024-57-3	Heptachlor epoxide	0.025	U
959-98-8	Endosulfan I	0.025	U
60-57-1	Dieldrin	0.05	U
72-55-9	4,4'-DDE	0.05	U
72-20-8	Endrin	0.05	U
33213-65-9	Endosulfan II	0.05	U
72-54-8	4,4'-DDD	0.05	U
1031-07-8	Endosulfan sulfate	0.05	U
50-29-3	4,4'-DDT	0.05	U
72-43-5	Methoxychlor	0.25	U
53494-70-5	Endrin ketone	0.05	U
7421-93-4	Endrin aldehyde	0.05	U
5103-71-9	alpha-Chlordane	0.025	U
5103-74-2	gamma-Chlordane	0.025	U
8001-35-2	Toxaphene	2.5	U
12674-11-2	Aroclor-1016	0.50	U
11104-28-2	Aroclor-1221	1.0	U
11141-16-5	Aroclor-1232	0.50	U
53469-21-9	Aroclor-1242	0.50	U
12672-29-6	Aroclor-1248	0.50	U
11097-69-1	Aroclor-1254	0.50	U
11096-82-5	Aroclor-1260	0.50	U

COLUMN ID:HP5890XA RTx1701 .55MM
Sample Name : PIBLKX12 (P1112X12) 1UL TMB Report No : 42.00

Peak Processor : Genie Multilevel : False
Instrument : XA Application : Loop
Calculation : ExternalSTD Quantitation : AreaUnits
Result File : /XA/XA518035.RES
Run Time : 35.00 Minutes Injected on Tue May 19, 1992 5:58:07 p

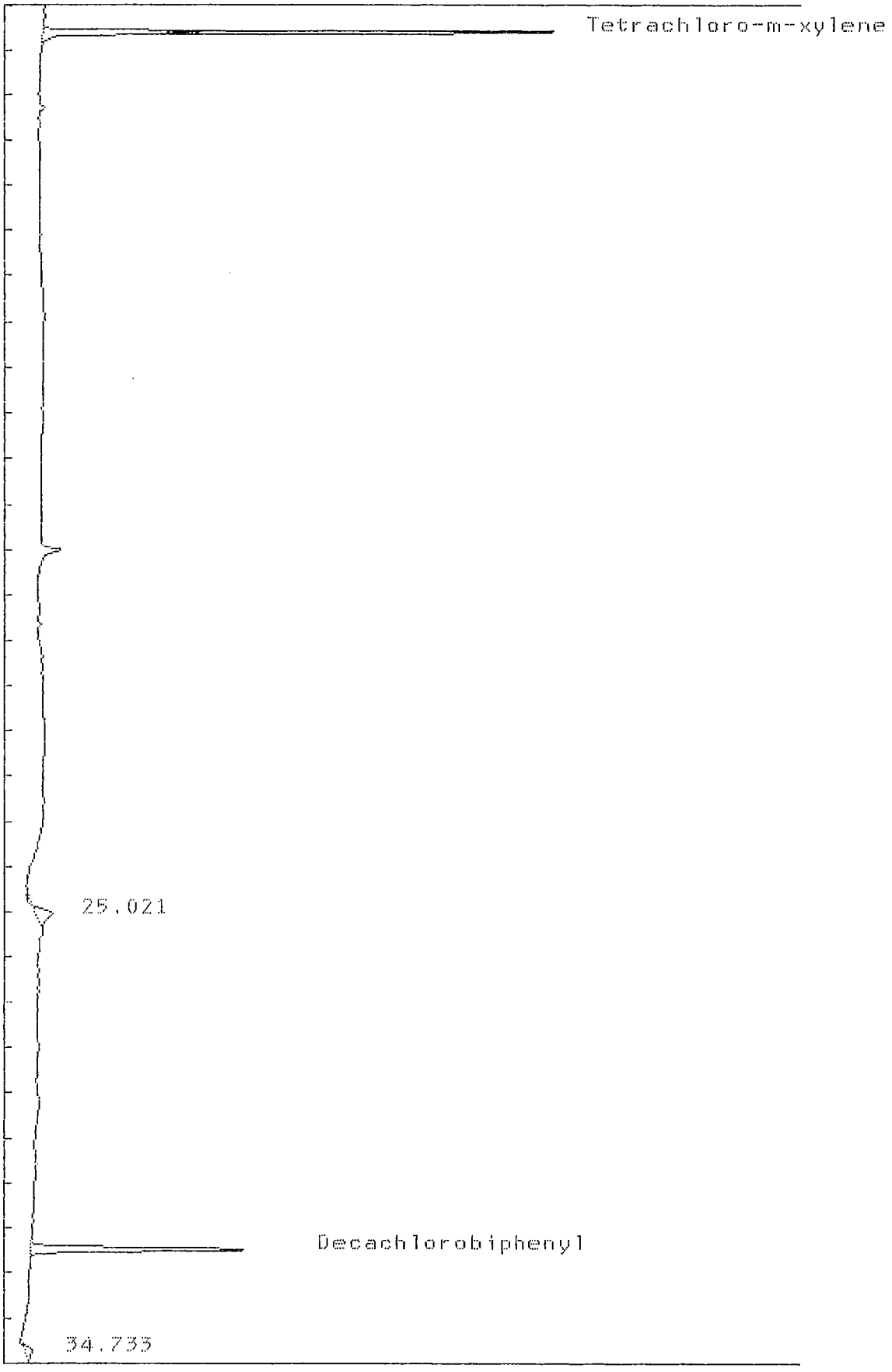
Run Status : RunStatusOK
EndOffBaseline

Pk#	RT	Area	Code	NG	NAME
1	3.85	22089	BB	5.101336E-03	
2	4.15	19834	BB	4.580387E-03	
3	4.32	167056	BB	3.857996E-02	
4	4.56	40636	BB	9.384446E-03	
5	5.57	291731	BB	1.543737E-02	Tetrachloro-m-xylene
6	25.02	29471	BB	6.806090E-03	
7	32.46	155507	BB	1.143499E-02	Decachlorobiphenyl
8	34.73	9397	BB	2.170246E-03	

Total Area : 735722 Total NG : .093

COLUMN ID:HP5890XA RTx1701 .53MM

SampleName : PIBLKX12 (P1112X12) 1UL TMB
Method : /methods/XAIAIB514.MTH
Injected on :Tue May 19, 1992 5:58:07 pm
Report File : /DATA/LOOP/FORMAT/GSHORT_AREA.FMT



COLUMN ID:HP5890XB RTx5 .53MM
Sample Name : PIBLKX12 (P1112X12) 1UL TMB Report No : 42.00

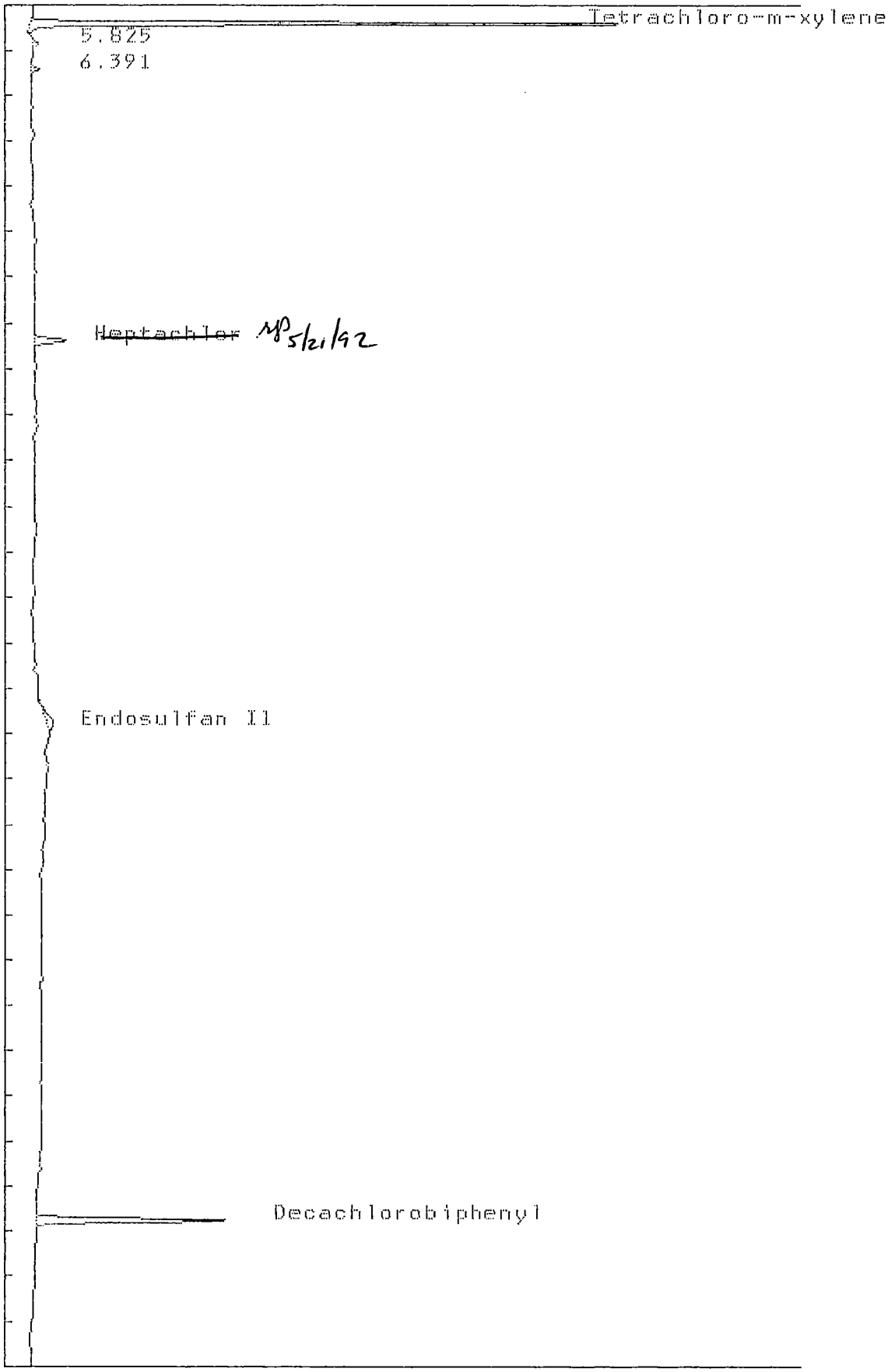
Peak Processor : Genie Multilevel : False
Instrument : XB Application : Loop
Calculation : ExternalSTD Quantitation : AreaUnits
Result File : /XB/XB518035.RES
Run Time : 35.00 Minutes Injected on Tue May 19, 1992 5:58:07 p

Run Status : RunStatusOK

Pk#	RT	Area	Code	NG	NAME
1	3.29	26331	BB	6.080845E-03	
2	5.37	736534	BB	5.205718E-02	Tetrachloro-m-xylene
3	5.82	10034	BB	2.317267E-03	
4	6.39	10589	BB	2.445486E-03	
5	12.37	65125	BB	5.046931E-03	~~Heptachlor~~ MP 5/21/92
6	20.80	37110	BB	3.539198E-03	Endosulfan II
7	31.74	333990	BB	2.488257E-02	Decachlorobiphenyl

Total Area : 1219714 Total NG : .096

COLUMN ID:HP5890XB RTx5 .53MM
SampleName : PIBLKX12 (P1112X12) 1UL TMB
Method : /METHODS/XBIAIB514.MTH
Injected on :Tue May 19, 1992 5:58:07 pm
Report File : /DATA/LOOP/FORMAT/GSHORT_AREA.FMT



1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EQK02MS

Lab Name:Wadsworth/ALERT Labs Contract:68-DI-0085

Lab Code:WADS Case No.19026 SAS No.: SDG No.:EQK01

Matrix: (soil/water)SOIL Lab Sample ID: 60020MS

Sample wt/vol: 30(g/ml)G Lab File ID:

% Moisture: 19 decanted: (Y/N) N Date Received: 4/29/92

Extraction: (SepF/Cont/Sonc)SONC Date Extracted: 5/04/92

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 5/19/92

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N)Y pH: 6.7 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS (ug/L or ug/Kg)UG/KG	Q
319-84-6	alpha-BHC	2.1	U
319-85-7	beta-BHC	2.1	U ~~P~~
319-86-8	delta-BHC	2.1	U
58-89-9	gamma-BHC(Lindane)	21.	
76-44-8	Heptachlor	22.	
309-00-2	Aldrin	21.	
1024-57-3	Heptachlor epoxide	2.1	U
959-98-8	Endosulfan I	2.1	U
60-57-1	Dieldrin	43.	
72-55-9	4,4'-DDE	4.1	U
72-20-8	Endrin	46.	
33213-65-9	Endosulfan II	4.1	U
72-54-8	4,4'-DDD	4.1	U
1031-07-8	Endosulfan sulfate	0.44	JP
50-29-3	4,4'-DDT	55.	
72-43-5	Methoxychlor	21.	U
53494-70-5	Endrin ketone	1.4	JP
7421-93-4	Endrin aldehyde	4.1	U
5103-71-9	alpha-Chlordane	2.1	U
5103-74-2	gamma-Chlordane	2.1	U
8001-35-2	Toxaphene	210.	U
12674-11-2	Aroclor-1016	41.	U
11104-28-2	Aroclor-1221	82.	U
11141-16-5	Aroclor-1232	41.	U
53469-21-9	Aroclor-1242	41.	U
12672-29-6	Aroclor-1248	41.	U
11097-69-1	Aroclor-1254	41.	U
11096-82-5	Aroclor-1260	41.	U

JKG 5/21/92

COLUMN ID:HP5890XA RTx1701 .53MM
Sample Name : EQK02MS (60020MS) 1UL TMB Report No : 38.00

Peak Processor : Genie Multilevel : False
Instrument : XA Application : Loop
Calculation : ExternalSTD Quantitation : AreaUnits
Result File : /XA/XA518031.RES
Run Time : 35.00 Minutes Injected on Tue May 19, 1992 3:04:17 p

Run Status : EndOffBaseline
SignalOverload

Pk#	RT	Area	Code	NG	NAME
1	3.58	31199	BS	7.205212E-03	
2	3.85	131892	BB	3.045922E-02	
3	3.99	17452	BB	4.030408E-03	
4	4.15	139570	BB	3.223232E-02	
5	4.32	897072	BB	2.071698E-01	
6	4.56	230022	BB	5.312127E-02	
7	4.99	54876	BB	1.267310E-02	
8	5.24	9834	BB	2.271039E-03	
9	5.57	629378	BB	3.330448E-02	Tetrachloro-m-xylene
10	5.87	38940	BB	8.992892E-03	
11	6.20	9703	BB	2.240870E-03	
12	6.95	72556	BB	1.675616E-02	
13	7.36	24346	BB	5.622431E-03	
14	7.94	19137	BB	4.419607E-03	
15	8.38	47154	BB	1.088985E-02	
16	8.85	130941	BB	3.023962E-02	
17	9.29	13719	BB	3.168311E-03	
18	11.05	69994	BB	1.616432E-02	
19	12.36	872160	BB	4.937918E-02	gamma-BHC(Lindane)
20	13.16	41649	BB	9.618519E-03	
21	13.62	1009075	BB	6.571588E-02	Heptachlor
22	14.51	46905	BB	1.083234E-02	
23	14.79	46507	BB	1.074042E-02	
24	15.04	780251	BB	5.229354E-02	Aldrin
25	15.58	12203	BB	2.818248E-03	
26	16.60	33380	BB	7.708696E-03	
27	17.17	127341	BB	1.501005E-02	beta-BHC
28	17.74	17240	BB	3.981464E-03	
29	18.63	21622	BB	1.511656E-03	Heptachlor epoxide
30	19.52	11191	BB	2.584517E-03	
31	20.90	26391	BB	6.094718E-03	
32	21.19	11892	BB	9.845528E-04	4,4'-DDE
33	21.46	1353364	BB	1.113232E-01	Dieldrin
34	21.78	31947	BB	7.377872E-03	
35	22.31	1258726	BB	1.434709E-01	Endrin
36	22.54	9337	BB	2.156276E-03	
37	23.76	8469	BB	1.955868E-03	
38	24.18	12824	BB	2.961586E-03	
39	24.56	8869	BB	1.001678E-03	4,4'-DDD
40	25.12	925801	BB	3.379451E-01	4,4'-DDT
41	25.94	190803	BB	4.406396E-02	
42	26.70	52691	BB	1.216851E-02	
43	27.19	20682	BB	4.776256E-03	

COLUMN ID:HP5890XA RTx1701 .53MM

EQK02MS
5/19/92 15:04

Pk#	RT	Area	Code	NG	NAME
44	27.38	30814	BB	3.696730E-03	Endosulfan sulfate
45	28.69	31541	BB	4.115449E-03	Endrin ketone
46	28.91	23246	BB	5.368341E-03	
47	29.29	10628	BB	2.454516E-03	
48	30.00	87702	BB	2.025384E-02	
49	30.75	19064	BB	4.402611E-03	
50	32.46	640556	BB	4.710236E-02	Decachlorobiphenyl
51	33.08	14398	BB	3.324973E-03	
52	34.76	14185	BB	3.275803E-03	

Total Area : 10371046 Total NG : 1.483

COLUMN ID:HP5890XA RTx1701 .53MM
SampleName : EQK02MS (60020MS) 1UL TMB
Method : /methods/XAIAIB514.MTH
Injected on :Tue May 19, 1992 3:04:17 pm
Report File : /DATA/LOOP/FORMAT/GSHORT_AREA.FMT

4.992
5.242
Tetrachloro-m-xylene
5.868
6.201
6.954
7.357
7.936
8.381
8.845
9.285
11.053
gamma-BHC(Lindane)
13.164
Heptachlor
14.508
14.795
Aldrin
15.583
16.602
beta-BHC
17.743
Heptachlor epoxide
19.517
20.904
4,4'-DDE
Dieldrin
21.782
Endrin
22.535
23.760
24.178
4,4'-DDD
4,4'-DDT
25.942
26.696
27.188
Endosulfan sulfate
Endrin ketone
28.615
29.287
29.998
30.753
Decachlorobiphenyl
33.080
34.759

COLUMN ID:HP5890XA RTx1701 .53MM
Sample Name : EQK02MS (60020MS) 1UL TMB Report No : 38.00

Peak Processor : Genie Multilevel : False
Instrument : XA Application : Loop
Calculation : ExternalSTD Quantitation : AreaUnits
Result File : /XA/XA518031.RES
Run Time : 35.00 Minutes Injected on Tue May 19, 1992 3:04:17 p

Run Status : EndOffBaseline
SignalOverload

Pk#	RT	Area	Code	NG	NAME
1	3.58	31199	BS	7.205212E-03	
2	3.85	131892	BB	3.045922E-02	
3	3.99	17452	BB	4.030408E-03	
4	4.15	139570	BB	3.223232E-02	
5	4.32	897072	BB	2.071698E-01	
6	4.56	230022	BB	5.312127E-02	
7	4.99	54876	BB	1.267310E-02	
8	5.24	9834	BB	2.271039E-03	
9	5.57	629378	BB	3.330448E-02	Tetrachloro-m-xylene
10	5.87	38940	BB	8.992892E-03	
11	6.20	9703	BB	2.240870E-03	
12	6.95	72556	BB	1.675616E-02	
13	7.36	24346	BB	5.622431E-03	
14	7.94	19137	BB	4.419607E-03	
15	8.38	47154	BB	1.088985E-02	
16	8.85	130941	BB	3.023962E-02	
17	9.29	13719	BB	3.168311E-03	
18	11.05	69994	BB	1.616432E-02	
19	12.36	872160	BB	4.937918E-02	gamma-BHC(Lindane)
20	13.16	41649	BB	9.618519E-03	
21	13.62	1009075	BB	6.571588E-02	Heptachlor
22	14.51	46905	BB	1.083234E-02	
23	14.79	46507	BB	1.074042E-02	
24	15.04	780251	BB	5.229354E-02	Aldrin
25	15.58	12203	BB	2.818248E-03	
26	16.60	33380	BB	7.708696E-03	
27	17.17	127341	BB	1.501005E-02	beta-BHC
28	17.74	17240	BB	3.981464E-03	
29	18.63	21622	BB	1.511656E-03	Heptachlor epoxide
30	19.52	11191	BB	2.584517E-03	
31	20.90	26391	BB	6.094718E-03	
32	21.19	11892	BB	9.845528E-04	4,4'-DDE
33	21.46	1353364	BB	1.113232E-01	Dieldrin
34	21.78	31947	BB	7.377872E-03	
35	22.31	1258726	BB	1.434709E-01	Endrin
36	22.54	9337	BB	2.156276E-03	
37	23.76	8469	BB	1.955868E-03	
38	24.18	12824	BB	2.961586E-03	
39	24.56	8869	BB	1.001678E-03	4,4'-DDD
40	25.12	925801	BB	3.379451E-01	4,4'-DDT
41	25.94	190803	BB	4.406396E-02	
42	26.70	52691	BB	1.216851E-02	
43	27.19	20682	BB	4.776256E-03	

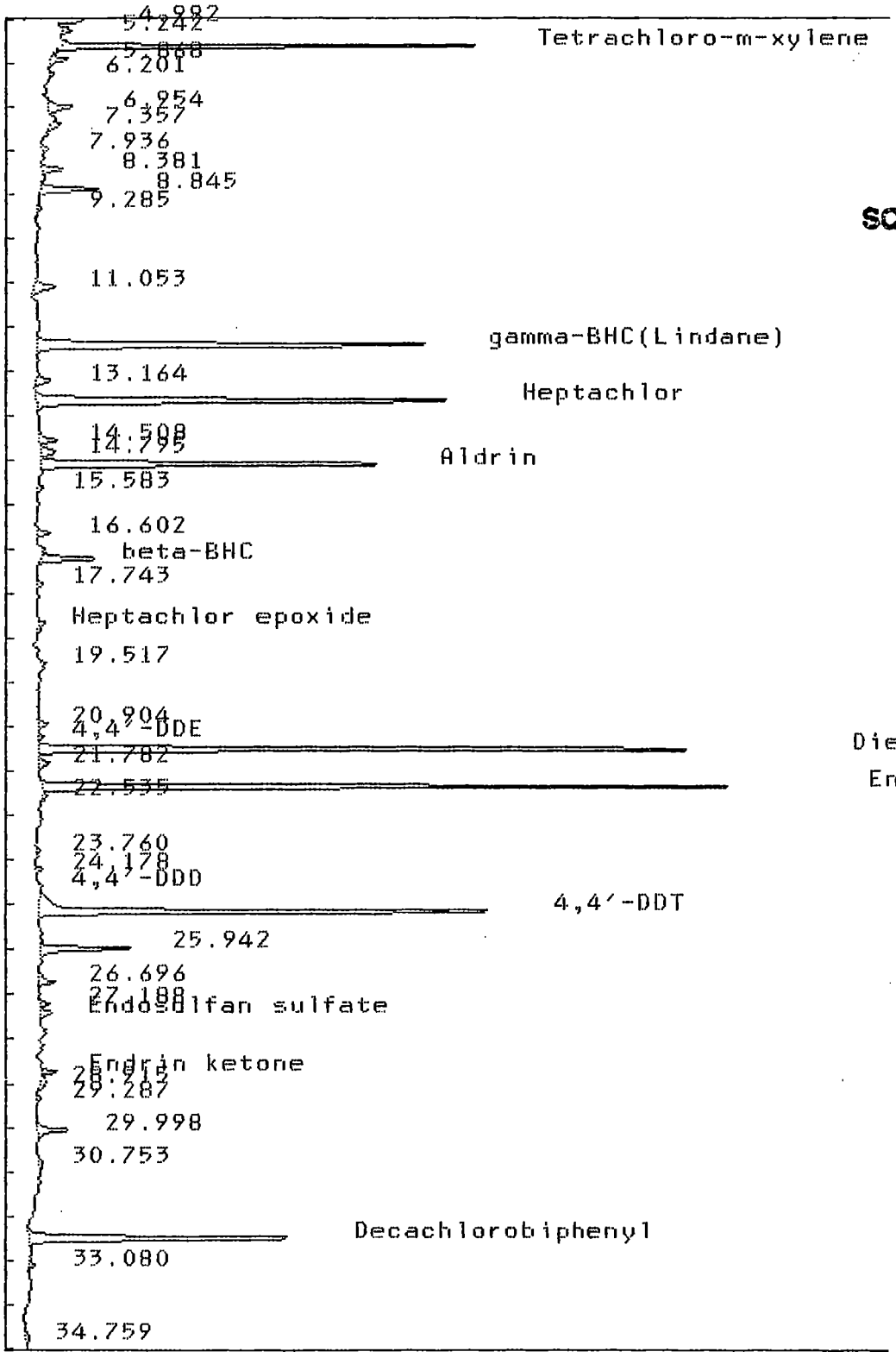
COLUMN ID:HP5890XA RTx1701 .53MM

EQK02MS
5/19/92 15:04

Pk#	RT	Area	Code	NG	NAME
44	27.38	30814	BB	3.696730E-03	Endosulfan sulfate
45	28.69	31341	BB	4.115449E-03	Endrin ketone
46	28.91	23246	BB	5.368341E-03	
47	29.29	10628	BB	2.454516E-03	
48	30.00	87702	BB	2.025384E-02	
49	30.75	19064	BB	4.402611E-03	
50	32.46	640556	BB	4.710236E-02	Decachlorobiphenyl
51	33.08	14398	BB	3.324973E-03	
52	34.76	14185	BB	3.275803E-03	

Total Area : 10371046 Total NG : 1.483

COLUMN ID:HP5890XA RTx1701 .53MM
SampleName : EQK02MS (60020MS) 1UL TMB
Method : /methods/XAIAIB514.MTH
Injected on :Tue May 19, 1992 3:04:17 pm
Report File : /DATA/LOOP/FORMAT/GSHORT_AREA.FMT



SCALING FACTOR 4

COLUMN ID:HP5890XB RTx5 .53MM
Sample Name : EQK02MS (60020MS) 1UL TMB Report No : 38.00

Peak Processor : Genie Multilevel : False
Instrument : XB Application : Loop
Calculation : ExternalSTD Quantitation : AreaUnits
Result File : /XB/XB518031.RES
Run Time : 35.00 Minutes Injected on Tue May 19, 1992 3:04:17 p

Run Status : EndOffBaseline
SignalOverload

Pk#	RT	Area	Code	NG	NAME
1	3.14	75194	BS	1.736534E-02	
2	3.29	184250	BB	4.255080E-02	
3	3.54	38526	BB	8.897152E-03	
4	3.60	13825	BB	3.192684E-03	
5	3.68	86706	BB	2.002382E-02	
6	3.86	38085	BB	8.795295E-03	
7	3.97	61254	BB	1.414596E-02	
8	4.08	52985	BB	1.223635E-02	
9	4.18	8605	BB	1.987230E-03	
10	4.26	140411	BB	3.242657E-02	
11	4.45	125265	BB	2.892863E-02	
12	4.63	19408	BB	4.482092E-03	
13	4.72	26275	BB	6.067886E-03	
14	4.85	77092	BB	1.780359E-02	
15	4.99	38453	BB	8.880248E-03	
16	5.20	10138	BB	2.341379E-03	
17	5.36	1252752	BB	8.854277E-02	Tetrachloro-m-xylene
18	5.54	108689	BB	2.510057E-02	
19	5.73	226858	BB	5.239065E-02	
20	5.91	25375	BB	5.860007E-03	
21	6.04	206540	BB	4.769828E-02	
22	6.40	15828	BB	3.655209E-03	
23	6.67	10280	BB	2.374073E-03	
24	6.76	18271	BB	1.543151E-03	alpha-BHC
25	7.00	56711	BB	1.309690E-02	
26	7.17	15510	BB	3.581806E-03	
27	7.31	45707	BB	1.055562E-02	
28	7.60	248001	BB	5.727334E-02	
29	7.92	10028	BB	1.375137E-03	~~beta-BHC~~ MP 5/21/92
30	8.21	2219853	BB	1.645590E-01	gamma-BHC(Lindane)
31	8.52	59783	BB	1.380638E-02	
32	8.89	116061	BB	2.680320E-02	
33	9.13	31396	BB	7.250537E-03	
34	9.66	64228	BB	5.686908E-03	delta-BHC
35	9.81	21940	BB	5.066780E-03	
36	10.19	28389	BB	6.556178E-03	
37	10.97	12675	BB	2.927202E-03	
38	11.24	244230	BB	5.640241E-02	
39	11.93	174460	BB	4.028971E-02	
40	12.26	1966648	BB	1.524068E-01	Heptachlor
41	12.57	13206	BB	3.049694E-03	
42	12.87	19524	BB	4.508765E-03	
43	13.13	31555	BB	7.287426E-03	

COLUMN ID:HP5890XB RTx5 .53MM

EQK02MS
5/19/92 15:04

Pk#	RT	Area	Code	NG	NAME
44	13.31	21126	BB	4.878859E-03	
45	13.59	15672	BB	3.619379E-03	
46	13.78	10800	BB	2.494097E-03	
47	14.19	2085442	BB	1.878650E-01	Aldrin
48	14.66	10683	BB	2.467085E-03	
49	15.05	8746	BB	2.019869E-03	
50	15.38	24537	BB	5.666571E-03	
51	15.84	727939	BB	1.681103E-01	
52	16.19	14141	BB	3.265753E-03	
53	16.81	89994	BB	2.078327E-02	
54	17.08	75215	BB	1.737015E-02	
55	17.29	26477	BB	6.114703E-03	
56	17.44	9124	BB	2.107173E-03	
57	17.74	83346	BB	1.924796E-02	
58	17.93	22409	BB	5.175027E-03	
59	18.18	42884	BB	3.575446E-03	Endosulfan I
60	18.54	176342	BB	4.072439E-02	
61	18.89	14215	BB	3.282899E-03	
62	19.38	3110766	BB	2.901016E-01	Dieldrin
63	19.92	126541	BB	2.922345E-02	
64	20.34	2682174	BB	4.010950E-01	Endrin
65	20.65	20566	BB	4.749416E-03	
66	20.77	17629	BB	1.681273E-03	Endosulfan II
67	21.03	23087	BB	5.331745E-03	
68	21.27	29595	BB	6.834631E-03	
69	21.54	28932	BB	6.681645E-03	
70	21.72	28839	BB	3.522865E-03	Endrin aldehyde
71	22.09	58268	BB	1.345644E-02	
72	22.68	24528	BB	2.760411E-03	Endosulfan sulfate
73	22.96	2967840	BB	4.986802E-01	4,4'-DDT
74	23.27	15448	BB	3.567472E-03	
75	23.48	96719	BB	2.233637E-02	
76	23.84	14405	BB	3.326707E-03	
77	23.98	23597	BB	5.449596E-03	
78	24.12	16057	BB	3.708145E-03	
79	24.58	125976	BB	1.238078E-02	Endrin ketone
80	25.02	68367	BB	1.578858E-02	
81	25.16	30587	BB	7.063700E-03	
82	25.82	81450	BB	1.881017E-02	
83	26.26	15129	BB	3.493876E-03	
84	26.43	29054	BB	6.709683E-03	
85	26.97	10193	BB	2.354009E-03	
86	27.12	250910	BB	5.794511E-02	
87	27.98	21079	BB	4.867977E-03	
88	28.75	11871	BB	2.741565E-03	
89	29.16	27161	BB	6.272576E-03	
90	29.41	8332	BB	1.924170E-03	
91	29.54	19885	BB	4.592140E-03	
92	29.88	24033	BB	5.550186E-03	
93	30.44	10430	BB	2.408695E-03	
94	30.61	11130	BB	2.570294E-03	
95	31.03	9418	BB	2.174927E-03	
96	31.19	24828	BB	5.733754E-03	
97	31.74	1137392	BB	8.473676E-02	Decachlorobiphenyl

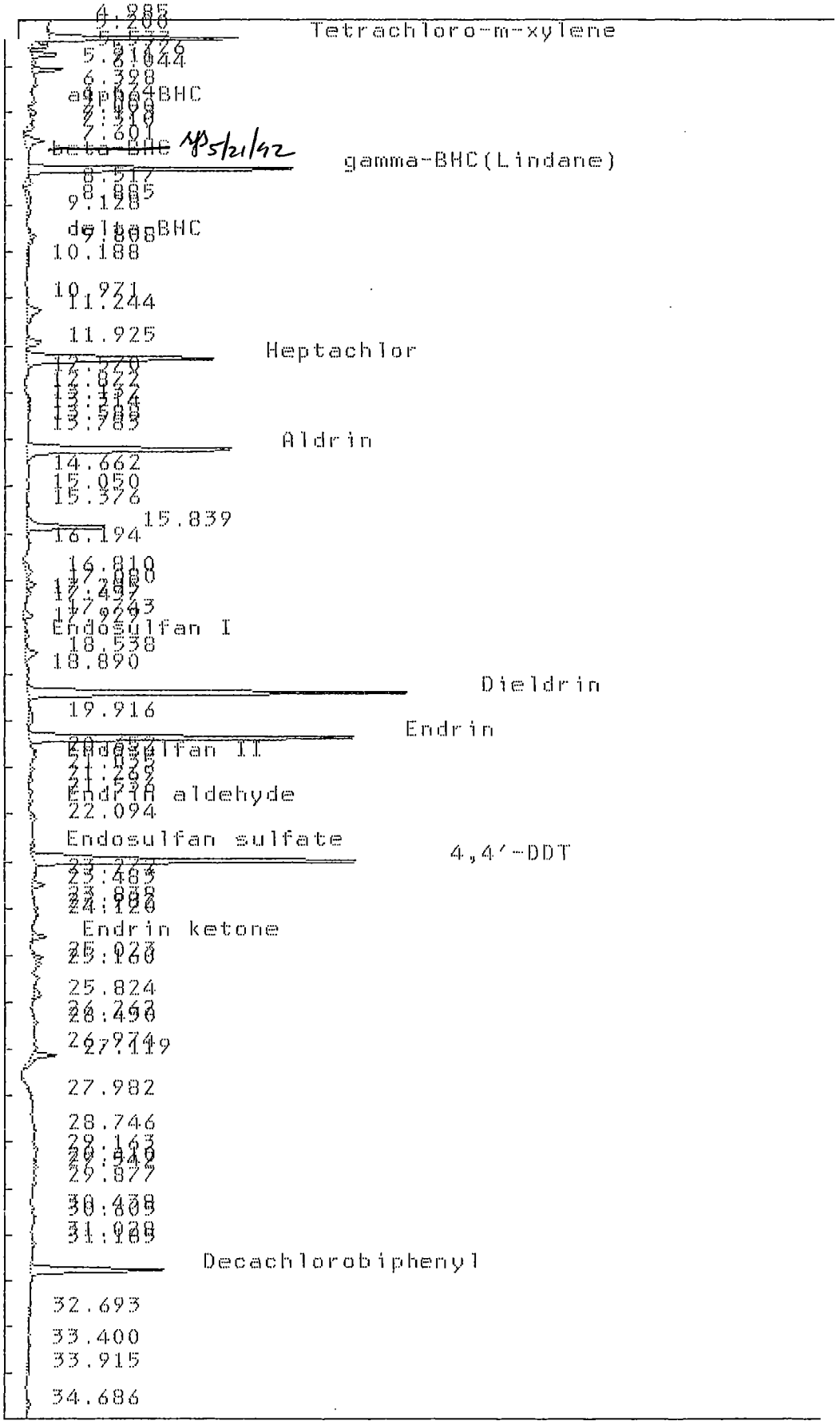
COLUMN ID:HP5890XB RTx5 .53MM

EQK02MS
5/19/92 15:04

Pk#	RT	Area	Code	NG	NAME
98	32.69	18736	BB	4.326956E-03	
99	33.40	17909	BB	4.135997E-03	
100	33.92	34381	BB	7.939927E-03	
101	34.69	52203	BB	1.205576E-02	

Total Area : 23025496 Total NG : 3.118

COLUMN ID:HP5890XB RTx5 .53MM
SampleName : EQK02MS (60020MS) 1UL TMB
Method : /METHODS/XBIAIB514.MTH
Injected on :Tue May 19, 1992 3:04:17 pm
Report File : /DATA/LOOP/FORMAT/GSHORT_AREA.FMT



001091

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EQK26MS

Lab Name:Wadsworth/ALERT Labs Contract:68-DI-0085

Lab Code:WADS Case No.19026 SAS No.: SDG No.:EQK01

Matrix: (soil/water)WATER Lab Sample ID: 60304MS

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

% Moisture: decanted: (Y/N) Date Received: 4/30/92

Extraction: (SepF/Cont/Sonc)CONT Date Extracted: 4/30/92

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 5/18/92

Injection Volume: 1.0 (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)	0.37	
76-44-8	Heptachlor	0.33	
309-00-2	Aldrin	0.32	
1024-57-3	Heptachlor epoxide	0.05	U
959-98-8	Endosulfan I	0.05	U
60-57-1	Dieldrin	0.73	
72-55-9	4,4'-DDE	0.10	U
72-20-8	Endrin	0.76	
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	0.82	
72-43-5	Methoxychlor	0.50	U
53494-70-5	Endrin ketone	0.018	JP
7421-93-4	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

COLUMN ID:HP5890XA RTx1701 .53MM
Sample Name : EQK26MS (60304MS) 1UL TMB Report No : 17.00

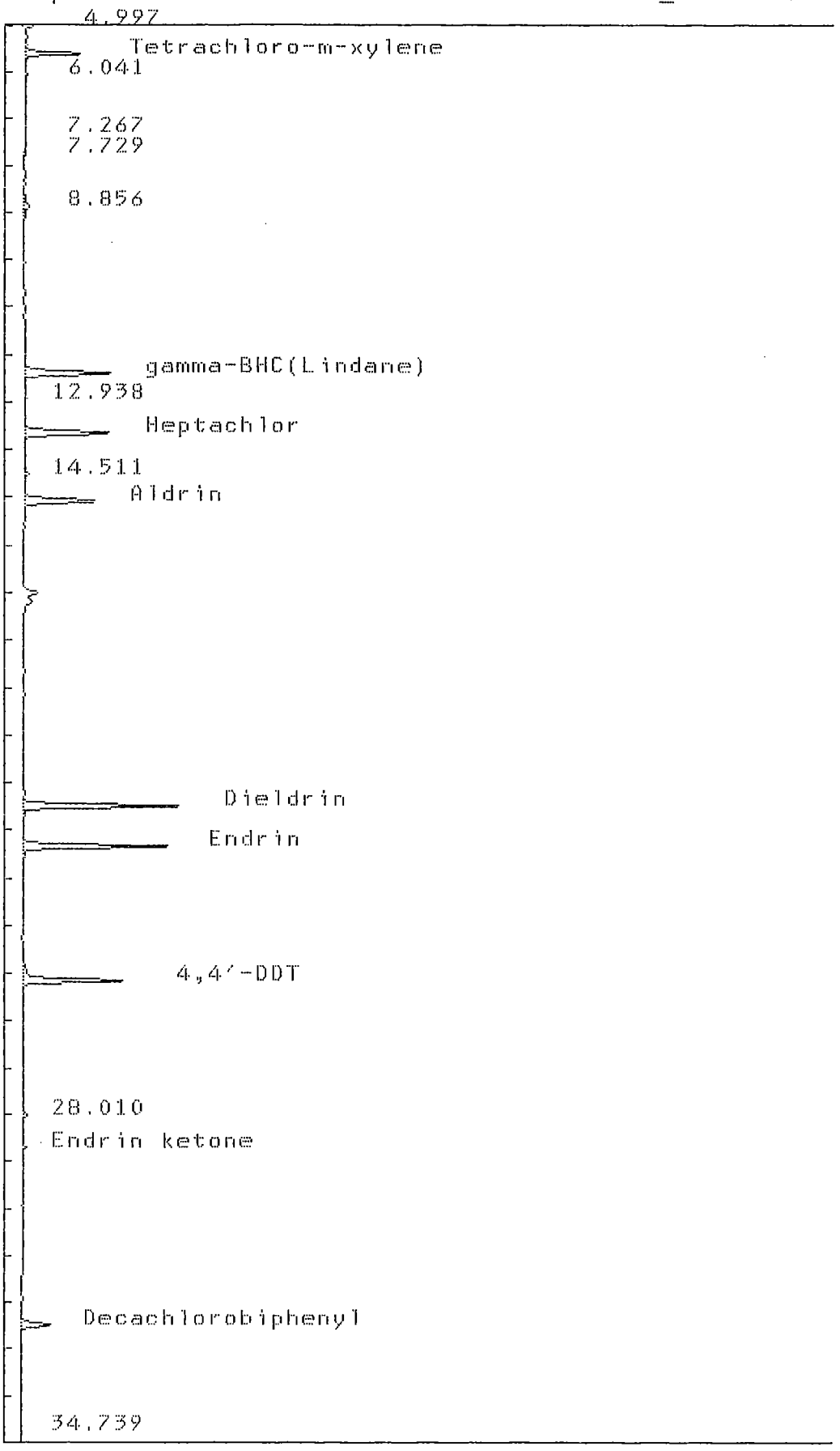
Peak Processor : Genie Multilevel : False
Instrument : XA Application : Loop
Calculation : ExternalSTD Quantitation : AreaUnits
Result File : /XA/XA518010.RES
Run Time : 35.00 Minutes Injected on Mon May 18, 1992 11:50:54 p

Run Status : RunStatusOK
EndOffBaseline

Pk#	RT	Area	Code	NG	NAME
1	3.70	9455	BB	2.183511E-03	
2	3.86	55589	BB	1.283772E-02	
3	4.03	44797	BB	1.034544E-02	
4	4.17	81803	BB	1.889149E-02	
5	4.32	166094	BB	3.835777E-02	
6	4.40	11568	BB	2.671608E-03	
7	4.57	92561	BB	2.137600E-02	
8	5.00	26555	BB	6.132605E-03	
9	5.58	295239	BB	1.562302E-02	Tetrachloro-m-xylene
10	6.04	13981	BB	3.228857E-03	
11	7.27	8408	BB	1.941806E-03	
12	7.73	9226	BB	2.130707E-03	
13	8.86	38029	BB	8.782512E-03	
14	12.37	566900	BB	3.209622E-02	gamma-BHC(Lindane)
15	12.94	11467	BB	2.648083E-03	
16	13.63	587446	BB	3.825738E-02	Heptachlor
17	14.51	30718	BB	7.094073E-03	
18	15.05	459265	BB	3.078056E-02	Aldrin
19	21.47	856870	BB	7.048325E-02	Dieldrin
20	22.32	806794	BB	9.195919E-02	Endrin
21	25.13	586996	BB	2.142711E-01	4,4'-DDT
22	28.01	21589	BB	4.985655E-03	
23	28.70	16570	BB	2.175856E-03	Endrin ketone
24	32.47	193161	BB	1.420377E-02	Decachlorobiphenyl
25	34.74	8431	BB	1.947154E-03	

Total Area : 4999513 Total NG : .655

COLUMN ID:HP5890XA RTx1701 .53MM
SampleName : EQK26MS (60304MS) 1UL TMB
Method : /methods/XAIAIB514.MTH
Injected on :Mon May 18, 1992 11:50:54 pm
Report File : /DATA/LOOP/FORMAT/GSHORT_AREA.FMT



COLUMN ID:HP5890XA RTx1701 .53MM
Sample Name : EQK26MS (60304MS) 1UL TMB Report No : 17.00

Peak Processor : Genie Multilevel : False
Instrument : XA Application : Loop
Calculation : ExternalSTD Quantitation : AreaUnits
Result File : /XA/XA518010.RES
Run Time : 35.00 Minutes Injected on Mon May 18, 1992 11:50:54 p

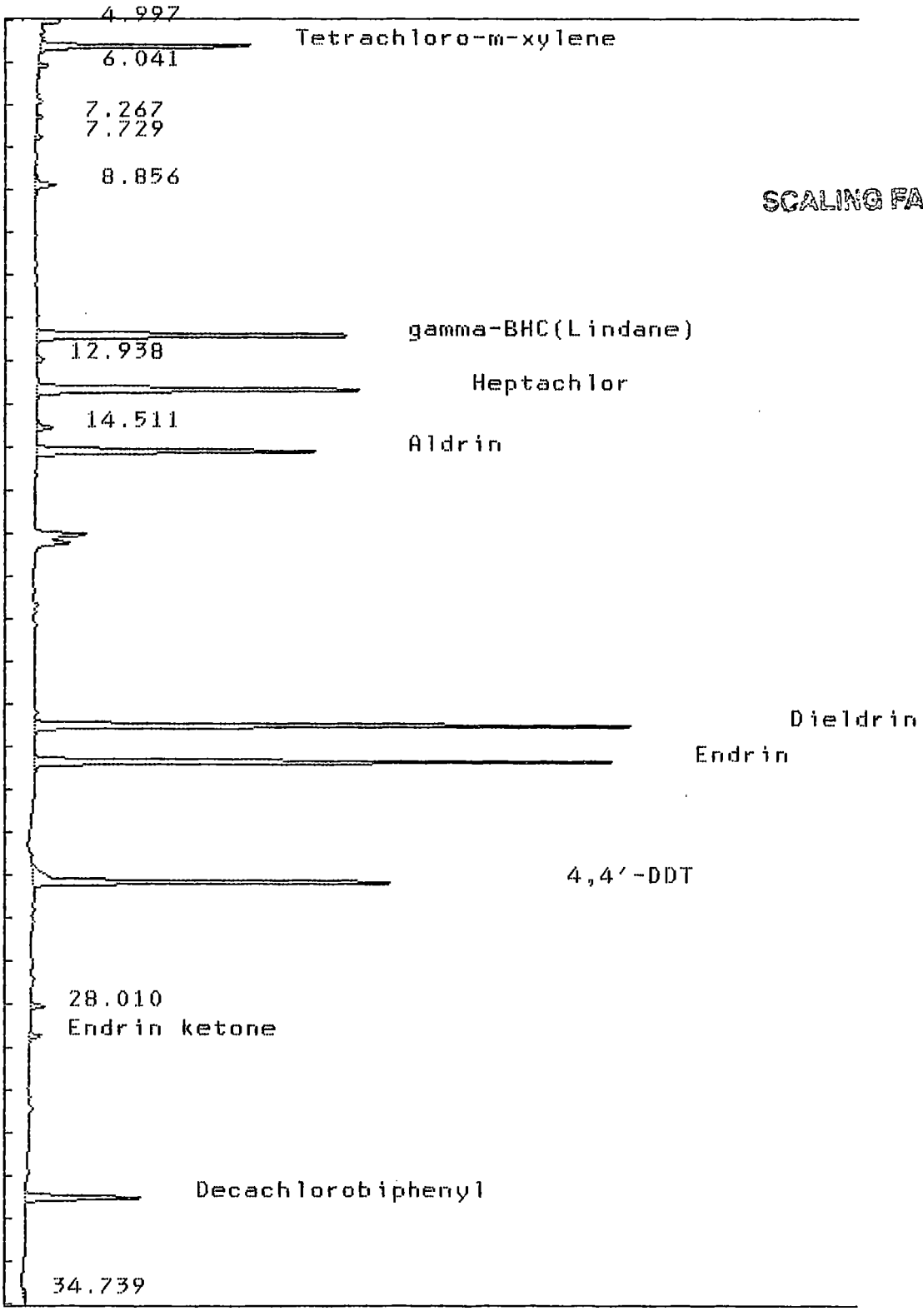
Run Status : RunStatusOK
EndOffBaseline

Pk#	RT	Area	Code	NG	NAME
1	3.70	9455	BB	2.183511E-03	
2	3.86	55589	BB	1.283772E-02	
3	4.03	44797	BB	1.034544E-02	
4	4.17	81803	BB	1.889149E-02	
5	4.32	166094	BB	3.835777E-02	
6	4.40	11568	BB	2.671608E-03	
7	4.57	92561	BB	2.137600E-02	
8	5.00	26555	BB	6.132605E-03	
9	5.58	295239	BB	1.562302E-02	Tetrachloro-m-xylene
10	6.04	13981	BB	3.228857E-03	
11	7.27	8408	BB	1.941806E-03	
12	7.73	9226	BB	2.130707E-03	
13	8.86	38029	BB	8.782512E-03	
14	12.37	566900	BB	3.209622E-02	gamma-BHC(Lindane)
15	12.94	11467	BB	2.648083E-03	
16	13.63	587446	BB	3.825738E-02	Heptachlor
17	14.51	30718	BB	7.094073E-03	
18	15.05	459265	BB	3.078056E-02	Aldrin
19	21.47	856870	BB	7.048325E-02	Dieldrin
20	22.32	806794	BB	9.195919E-02	Endrin
21	25.13	586996	BB	2.142711E-01	4,4'-DDT
22	28.01	21589	BB	4.985655E-03	
23	28.70	16570	BB	2.175856E-03	Endrin ketone
24	32.47	193161	BB	1.420377E-02	Decachlorobiphenyl
25	34.74	8431	BB	1.947154E-03	

Total Area : 4999513 Total NG : .655

COLUMN ID:HP5890XA RTx1701 .53MM

SampleName : EQK26MS (60304MS) 1UL TMB
Method : /methods/XAIAIB514.MTH
Injected on :Mon May 18, 1992 11:50:54 pm
Report File : /DATA/LOOP/FORMAT/GSHORT_AREA.FMT



COLUMN ID:HP5890XB RTx5 .53MM
Sample Name : EQK26MS (60304MS) 1UL TMB Report No : 17.00

Peak Processor : Genie Multilevel : False
Instrument : XB Application : Loop
Calculation : ExternalSTD Quantitation : AreaUnits
Result File : /XB/XB518010.RES
Run Time : 35.00 Minutes Injected on Mon May 18, 1992 11:50:54 p

Run Status : EndOffBaseline
SignalOverload

Pk#	RT	Area	Code	NG	NAME
1	3.17	15758	BB	3.639184E-03	
2	3.29	266520	BB	6.155020E-02	
3	3.70	22477	BB	5.190783E-03	
4	3.79	12805	BB	2.957156E-03	
5	4.07	8290	BB	1.914510E-03	
6	4.26	133178	BB	3.075603E-02	
7	4.56	43214	BB	9.979881E-03	
8	4.86	25830	BB	5.965215E-03	
9	5.18	9801	BB	2.263356E-03	
10	5.37	543031	BB	3.838068E-02	Tetrachloro-m-xylene
11	5.68	47542	BB	1.097930E-02	
12	5.82	8103	BB	1.871420E-03	
13	6.05	58971	BB	1.361887E-02	
14	6.38	11150	BB	2.575064E-03	
15	6.67	17953	BB	4.146013E-03	
16	7.87	21342	BB	4.928692E-03	
17	8.21	1612763	BB	1.195551E-01	gamma-BHC(Lindane)
18	9.02	81512	BB	1.882438E-02	
19	10.89	66626	BB	1.538660E-02	
20	11.24	122526	BB	2.829619E-02	
21	12.26	1515925	BB	1.174777E-01	Heptachlor
22	12.94	11494	BB	2.654373E-03	
23	14.19	1348690	BB	1.214954E-01	Aldrin
24	14.73	27332	BB	6.312133E-03	
25	14.91	8341	BB	1.926296E-03	
26	15.85	28442	BB	6.568299E-03	
27	16.43	12357	BB	9.683644E-04	Heptachlor epoxide
28	16.73	11365	BB	2.624525E-03	
29	18.17	12348	BB	1.029556E-03	Endosulfan I
30	18.63	15604	BB	3.603674E-03	
31	19.38	2167805	BB	2.021637E-01	Dieldrin
32	20.35	1829214	BB	2.735425E-01	Endrin
33	20.71	14894	BB	3.439615E-03	
34	21.73	19833	BB	2.422712E-03	Endrin aldehyde
35	22.96	1767952	BB	2.970655E-01	4,4'-DDT
36	23.62	12079	BB	2.789525E-03	
37	24.27	29128	BB	6.726866E-03	
38	24.59	66611	BB	6.546453E-03	Endrin ketone
39	25.44	48139	BB	4.813875E+04	Methoxychlor
40	26.43	124312	BB	2.870863E-02	
41	28.19	20568	BB	4.749882E-03	
42	28.37	8002	BB	1.847949E-03	
43	29.18	60939	BB	1.407337E-02	

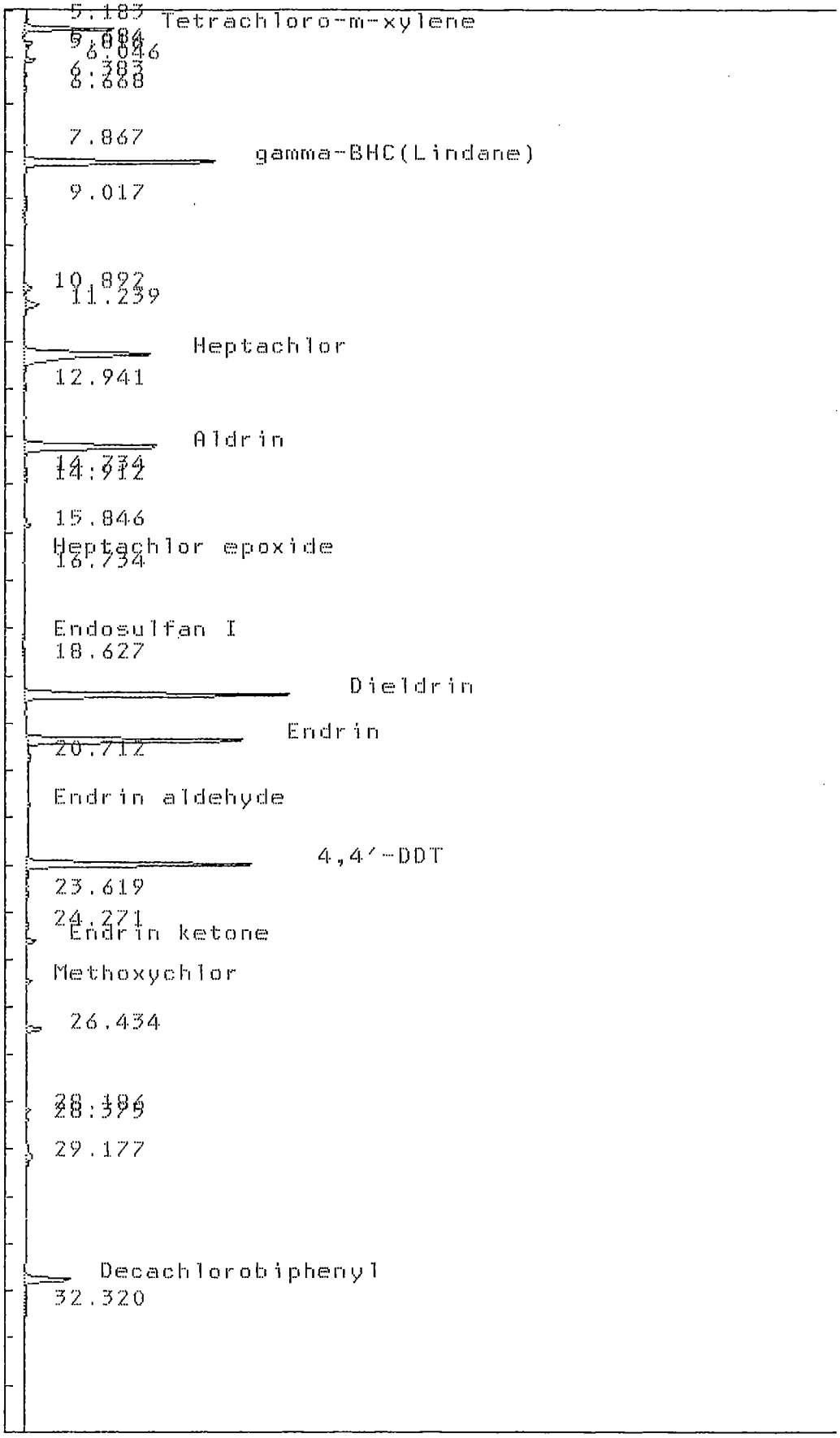
COLUMN ID:HP5890XB RTx5 .53MM

EQK26MS
5/18/92 23:50

Pk#	RT	Area	Code	NG	NAME
44	31.75	400739	BB	2.985540E-02	Decachlorobiphenyl
45	32.32	54736	BB	1.264084E-02	

Total Area : 12746242 Total NG : 48140.300

COLUMN ID:HP5890XB RTx5 .53MM
SampleName : EQK26MS (60304MS) 1UL TMB
Method : /METHODS/XBIAIB514.MTH
Injected on :Mon May 18, 1992 11:50:54 pm
Report File : /DATA/LOOP/FORMAT/GSHORT_AREA.FMT



1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EQK02MSD

Lab Name:Wadsworth/ALERT Labs Contract:68-DI-0085

Lab Code:WADS Case No.19026 SAS No.: SDG No.:EQK01

Matrix: (soil/water)SOIL Lab Sample ID: 60020MSD

Sample wt/vol: 30(g/ml)G Lab File ID:

% Moisture: 19 decanted: (Y/N) N Date Received: 4/29/92

Extraction: (SepF/Cont/Sonc)SONC Date Extracted: 5/04/92

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 5/19/92

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N)Y pH: 6.7 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS (ug/L or ug/Kg)UG/KG	Q
319-84-6	alpha-BHC	2.1	U
319-85-7	beta-BHC	2.1	U ~~P~~
319-86-8	delta-BHC	2.1	U
58-89-9	gamma-BHC(Lindane)	21.	
76-44-8	Heptachlor	22.	
309-00-2	Aldrin	20.	
1024-57-3	Heptachlor epoxide	0.11	JPB
959-98-8	Endosulfan I	2.1	U
60-57-1	Dieldrin	43.	
72-55-9	4,4'-DDE	4.1	U
72-20-8	Endrin	46.	
33213-65-9	Endosulfan II	4.1	U
72-54-8	4,4'-DDD	4.1	U
1031-07-8	Endosulfan sulfate	0.48	JP
50-29-3	4,4'-DDT	55.	
72-43-5	Methoxychlor	21.	U
53494-70-5	Endrin ketone	1.5	JP
7421-93-4	Endrin aldehyde	4.1	U
5103-71-9	alpha-Chlordane	2.1	U
5103-74-2	gamma-Chlordane	2.1	U
8001-35-2	Toxaphene	210.	U
12674-11-2	Aroclor-1016	41.	U
11104-28-2	Aroclor-1221	82.	U
11141-16-5	Aroclor-1232	41.	U
53469-21-9	Aroclor-1242	41.	U
12672-29-6	Aroclor-1248	41.	U
11097-69-1	Aroclor-1254	41.	U
11096-82-5	Aroclor-1260	41.	U

JKG 5/21/92

COLUMN ID:HP5890XA RTx1701 .53MM
Sample Name : EQK02MSD (60020MSD) 1UL TMB Report No : 39.00

Peak Processor : Genie Multilevel : False
Instrument : XA Application : Loop
Calculation : ExternalSTD Quantitation : AreaUnits
Result File : /XA/XA518032.RES
Run Time : 35.00 Minutes Injected on Tue May 19, 1992 3:47:45 p

Run Status : EndOffBaseline
SignalOverload

Pk#	RT	Area	Code	NG	NAME
1	3.58	29448	BS	6.800606E-03	
2	3.85	125210	BB	2.891609E-02	
3	3.99	16621	BB	3.838346E-03	
4	4.15	133134	BB	3.074590E-02	
5	4.32	877153	BB	2.025698E-01	
6	4.56	221630	BB	5.118335E-02	
7	4.99	38332	BB	8.852471E-03	
8	5.24	9586	BB	2.213782E-03	
9	5.57	615111	BB	3.254950E-02	Tetrachloro-m-xylene
10	5.87	28588	BB	6.602195E-03	
11	6.20	10089	BB	2.329914E-03	
12	6.95	74851	BB	1.728602E-02	
13	7.35	24392	BB	5.633027E-03	
14	7.94	19849	BB	4.584011E-03	
15	8.38	47213	BB	1.090343E-02	
16	8.84	88116	BB	2.034954E-02	
17	9.28	15225	BB	3.516130E-03	
18	10.75	8054	BB	1.860035E-03	
19	11.05	70685	BB	1.632389E-02	
20	12.36	882466	BB	4.996264E-02	gamma-BHC(Lindane)
21	13.15	32748	BB	7.562920E-03	
22	13.62	1020167	BB	6.643830E-02	Heptachlor
23	14.51	46470	BB	1.073167E-02	
24	14.79	47205	BB	1.090156E-02	
25	15.04	789013	BB	5.288078E-02	Aldrin
26	15.58	18410	BB	4.251721E-03	
27	16.60	28741	BB	6.637439E-03	
28	17.17	101802	BB	1.199974E-02	beta-BHC
29	17.74	16029	BB	3.701847E-03	
30	18.64	47112	BB	3.293762E-03	Heptachlor epoxide
31	20.90	23779	BB	5.491465E-03	
32	21.19	10141	BB	8.395859E-04	4,4'-DDE
33	21.46	1371357	BB	1.128032E-01	Dieldrin
34	21.78	34055	BB	7.864550E-03	
35	22.31	1267766	BB	1.445012E-01	Endrin
36	23.76	9766	BB	2.255471E-03	
37	24.18	15011	BB	3.466547E-03	
38	25.12	930221	BB	3.395585E-01	4,4'-DDT
39	25.94	187078	BB	4.320385E-02	
40	26.70	55172	BB	1.274132E-02	
41	27.19	19717	BB	4.553414E-03	
42	27.38	31189	BB	3.741765E-03	Endosulfan sulfate
43	28.70	34167	BB	4.486481E-03	Endrin ketone

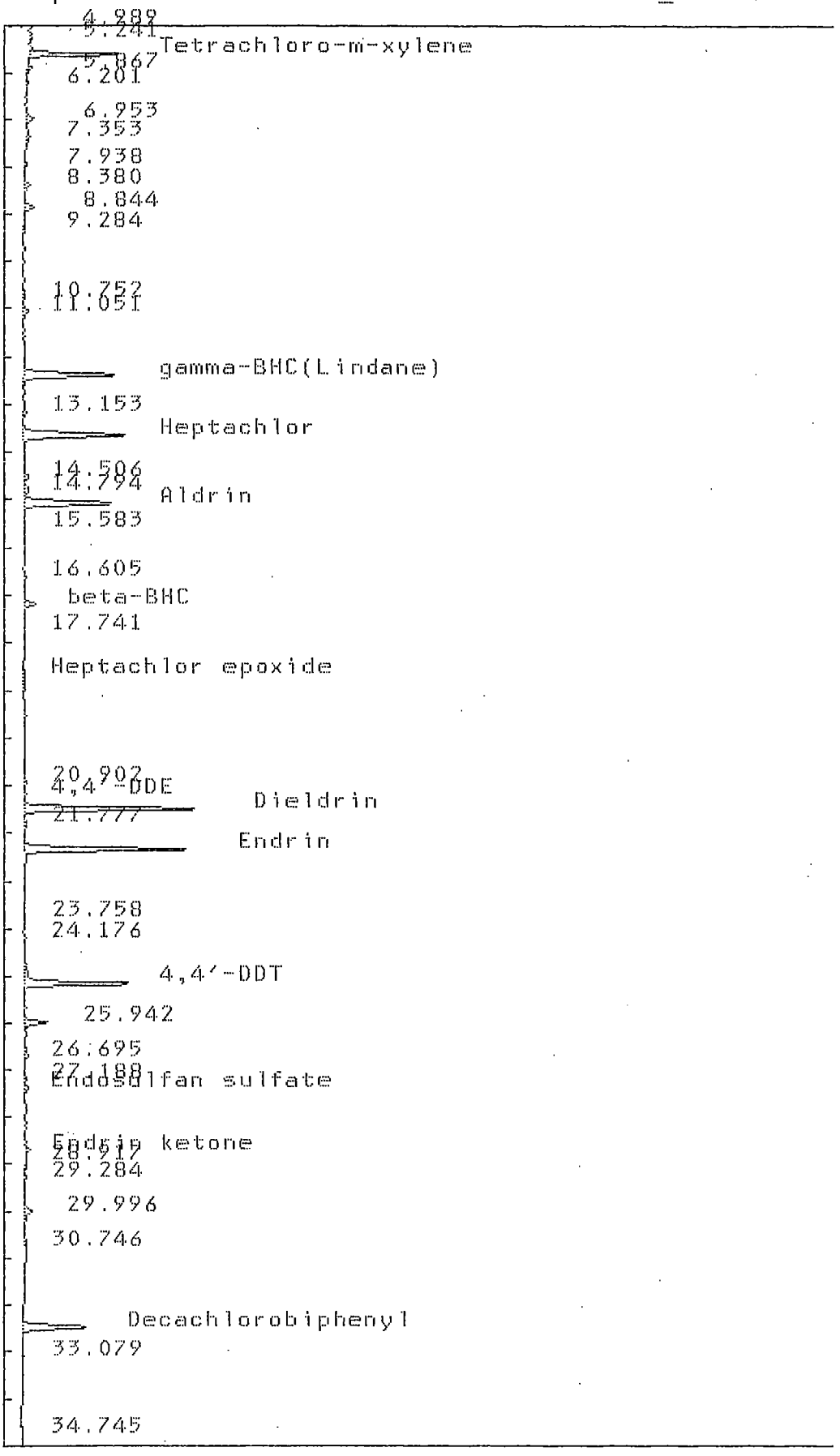
COLUMN ID:HP5890XA RTx1701 .55MM

EQK02MSD
5/19/92 15:47

Pk#	RT	Area	Code	NG	NAME
44	28.92	22210	BB	5.129219E-03	
45	29.28	11664	BB	2.693726E-03	
46	30.00	82995	BB	1.916695E-02	
47	30.75	25320	BB	5.847300E-03	
48	32.45	614745	BB	4.520437E-02	Decachlorobiphenyl
49	33.08	12741	BB	2.942472E-03	
50	34.75	13404	BB	3.095459E-03	

Total Area : 10255950 Total NG : 1.455

COLUMN ID:HP5890XA RTx1701 .53MM
SampleName : EQK02MSD (60020MSD) 1UL TMB
Method : /methods/XAIAIB514.MTH
Injected on :Tue May 19, 1992 3:47:45 pm
Report File : /DATA/LOOP/FORMAT/GSHORT_AREA.FMT



COLUMN ID:HP5890XA RTx1701 .53MM
Sample Name : EQK02MSD (60020MSD) 1UL TMB Report No : 39.00

Peak Processor : Genie Multilevel : False
Instrument : XA Application : Loop
Calculation : ExternalSTD Quantitation : AreaUnits
Result File : /XA/XA518032.RES
Run Time : 35.00 Minutes Injected on Tue May 19, 1992 3:47:45 p

Run Status : EndOffBaseline
SignalOverload

Pk#	RT	Area	Code	NG	NAME
1	3.58	29448	BS	6.800606E-03	
2	3.85	125210	BB	2.891609E-02	
3	3.99	16621	BB	3.838346E-03	
4	4.15	133134	BB	3.074590E-02	
5	4.32	877153	BB	2.025698E-01	
6	4.56	221630	BB	5.118335E-02	
7	4.99	38332	BB	8.852471E-03	
8	5.24	9586	BB	2.213782E-03	
9	5.57	615111	BB	3.254950E-02	Tetrachloro-m-xylene
10	5.87	28588	BB	6.602195E-03	
11	6.20	10089	BB	2.329914E-03	
12	6.95	74851	BB	1.728602E-02	
13	7.35	24392	BB	5.633027E-03	
14	7.94	19849	BB	4.584011E-03	
15	8.38	47213	BB	1.090343E-02	
16	8.84	88116	BB	2.034954E-02	
17	9.28	15225	BB	3.516130E-03	
18	10.75	8054	BB	1.860035E-03	
19	11.05	70685	BB	1.632389E-02	
20	12.36	882466	BB	4.996264E-02	gamma-BHC(Lindane)
21	13.15	32748	BB	7.562920E-03	
22	13.62	1020167	BB	6.643830E-02	Heptachlor
23	14.51	46470	BB	1.073167E-02	
24	14.79	47205	BB	1.090156E-02	
25	15.04	789013	BB	5.288078E-02	Aldrin
26	15.58	18410	BB	4.251721E-03	
27	16.60	28741	BB	6.637439E-03	
28	17.17	101802	BB	1.199974E-02	beta-BHC
29	17.74	16029	BB	3.701847E-03	
30	18.64	47112	BB	3.293762E-03	Heptachlor epoxide
31	20.90	23779	BB	5.491465E-03	
32	21.19	10141	BB	8.395859E-04	4,4'-DDE
33	21.46	1371357	BB	1.128032E-01	Dieldrin
34	21.78	34055	BB	7.864550E-03	
35	22.31	1267766	BB	1.445012E-01	Endrin
36	23.76	9766	BB	2.255471E-03	
37	24.18	15011	BB	3.466547E-03	
38	25.12	930221	BB	3.395585E-01	4,4'-DDT
39	25.94	187078	BB	4.320385E-02	
40	26.70	55172	BB	1.274132E-02	
41	27.19	19717	BB	4.553414E-03	
42	27.38	31189	BB	3.741765E-03	Endosulfan sulfate
43	28.70	34167	BB	4.486481E-03	Endrin ketone

COLUMN ID:HP5890XA RTx1701 .53MM

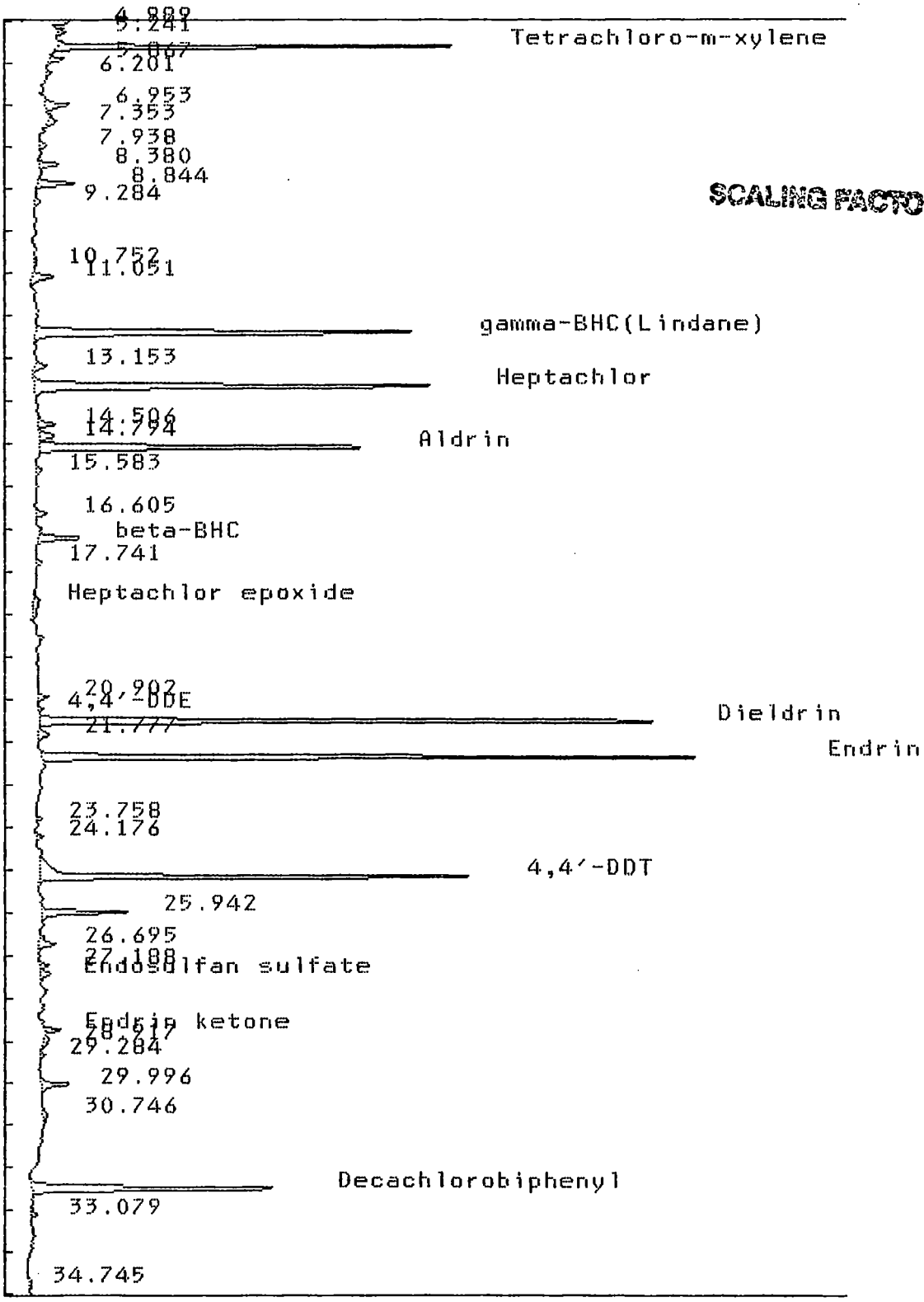
EQK02MSD
5/19/92 15:47

Pk#	RT	Area	Code	NG	NAME
44	28.92	22210	BB	5.129219E-03	
45	29.28	11664	BB	2.693726E-03	
46	30.00	82995	BB	1.916695E-02	
47	30.75	25320	BB	5.847300E-03	
48	32.45	614745	BB	4.520437E-02	Decachlorobiphenyl
49	33.08	12741	BB	2.942472E-03	
50	34.75	13404	BB	3.095459E-03	

Total Area : 10255950 Total NG : 1.455

COLUMN ID:HP5890XA RTx1701 .53MM

SampleName : EQK02MSD (60020MSD) 1UL TMB
Method : /methods/XAIAIB514.MTH
Injected on :Tue May 19, 1992 3:47:45 pm
Report File : /DATA/LOOP/FORMAT/GSHORT_AREA.FMT



SCALING FACTOR 4 ~~8~~ 5/21/92

COLUMN ID:HP5890XB RTx5 .53MM
Sample Name : EQK02MSD (60020MSD) 1UL TMB Report No : 39.00

Peak Processor : Genie Multilevel : False
Instrument : XB Application : Loop
Calculation : ExternalSTD Quantitation : AreaUnits
Result File : /XB/XB518032.RES
Run Time : 35.00 Minutes Injected on Tue May 19, 1992 3:47:45 p

Run Status : EndOffBaseline
SignalOverload

Pk#	RT	Area	Code	NG	NAME
1	3.14	79308	BS	1.831544E-02	
2	3.29	197557	BB	4.562385E-02	
3	3.54	40169	BB	9.276645E-03	
4	3.60	13981	BB	3.228822E-03	
5	3.68	20236	BB	4.673369E-03	
6	3.72	11132	BB	2.570720E-03	
7	3.86	38816	BB	8.964259E-03	
8	3.97	64235	BB	1.483437E-02	
9	4.08	53126	BB	1.226891E-02	
10	4.18	10609	BB	2.450007E-03	
11	4.26	126765	BB	2.927507E-02	
12	4.45	128253	BB	2.961871E-02	
13	4.63	20135	BB	4.650000E-03	
14	4.71	26253	BB	6.062864E-03	
15	4.85	76999	BB	1.778220E-02	
16	4.98	44859	BB	1.035967E-02	
17	5.20	9921	BB	2.291049E-03	
18	5.36	1254154	BB	8.864184E-02	Tetrachloro-m-xylene
19	5.54	109375	BB	2.525898E-02	
20	5.73	202958	BB	4.687123E-02	
21	5.91	26574	BB	6.136930E-03	
22	6.04	135850	BB	3.137318E-02	
23	6.40	16178	BB	3.736073E-03	
24	6.76	17437	BB	1.472728E-03	alpha-BHC
25	7.00	54704	BB	1.263335E-02	
26	7.17	15786	BB	3.645645E-03	
27	7.31	47777	BB	1.103364E-02	
28	7.60	250375	BB	5.782160E-02	
29	7.92	8487	BB	1.163841E-03	~~beta-BHC~~ MP 5/21/92
30	8.21	2232464	BB	1.654939E-01	gamma-BHC(Lindane)
31	8.52	61521	BB	1.420770E-02	
32	8.88	114112	BB	2.635299E-02	
33	9.13	23395	BB	5.402884E-03	
34	9.66	64349	BB	5.697637E-03	delta-BHC
35	9.81	23364	BB	5.395594E-03	
36	10.19	28789	BB	6.648457E-03	
37	10.97	12836	BB	2.964234E-03	
38	11.24	227237	BB	5.247816E-02	
39	11.92	184751	BB	4.266644E-02	
40	12.26	1972252	BB	1.528411E-01	Heptachlor
41	12.59	14156	BB	3.269285E-03	
42	12.87	18865	BB	4.356744E-03	
43	13.13	31073	BB	7.175948E-03	

COLUMN ID:HP5890XB RTx5 .53MM

EQK02MSD
5/19/92 15:47

Pk#	RT	Area	Code	NG	NAME
44	13.33	20902	BB	4.827024E-03	
45	13.57	8021	BB	1.852464E-03	
46	13.76	11579	BB	2.673968E-03	
47	14.18	2063521	BB	1.858903E-01	Aldrin
48	15.05	27362	BB	6.318877E-03	
49	15.35	14944	BB	3.451225E-03	
50	15.84	752592	BB	1.738035E-01	
51	16.19	13324	BB	3.077071E-03	
52	16.41	9070	BB	7.107987E-04	Heptachlor epoxide
53	16.68	14555	BB	3.361301E-03	
54	16.81	21333	BB	4.926708E-03	
55	17.08	76512	BB	1.766958E-02	
56	17.29	23015	BB	5.315173E-03	
57	17.44	10587	BB	2.445009E-03	
58	17.74	85794	BB	1.981317E-02	
59	17.93	26724	BB	6.171670E-03	
60	18.20	13521	BB	1.127351E-03	Endosulfan I
61	18.54	162329	BB	3.748821E-02	
62	18.85	9904	BB	2.287288E-03	
63	19.38	3136119	BB	2.924660E-01	Dieldrin
64	19.92	61918	BB	1.429934E-02	
65	20.34	2704623	BB	4.044520E-01	Endrin
66	20.65	22689	BB	5.239913E-03	
67	20.77	20269	BB	1.933034E-03	Endosulfan II
68	21.04	22035	BB	5.088718E-03	
69	21.26	28510	BB	6.584077E-03	
70	21.54	28202	BB	6.512916E-03	
71	21.72	31132	BB	3.802933E-03	Endrin aldehyde
72	22.09	53379	BB	1.232746E-02	
73	22.30	12174	BB	2.811396E-03	
74	22.68	26805	BB	3.016680E-03	Endosulfan sulfate
75	22.96	2949900	BB	4.956658E-01	4,4'-DDT
76	23.27	13662	BB	3.155155E-03	
77	23.48	99883	BB	2.306705E-02	
78	23.84	8709	BB	2.011206E-03	
79	23.98	24124	BB	5.571117E-03	
80	24.11	11310	BB	2.611871E-03	
81	24.58	130605	BB	1.283576E-02	Endrin ketone
82	25.02	68293	BB	1.577151E-02	
83	25.16	30430	BB	7.027471E-03	
84	25.46	35004	BB	3.500426E+04	Methoxychlor
85	25.82	79004	BB	1.824512E-02	
86	26.26	12444	BB	2.873759E-03	
87	26.43	20393	BB	4.709624E-03	
88	26.98	10157	BB	2.345693E-03	
89	27.12	240804	BB	5.561118E-02	
90	28.74	33274	BB	7.684388E-03	
91	29.16	21068	BB	4.865560E-03	
92	29.42	9516	BB	2.197613E-03	
93	29.54	15310	BB	3.535792E-03	
94	29.88	23304	BB	5.381762E-03	
95	30.08	8431	BB	1.947122E-03	
96	30.44	8872	BB	2.048859E-03	
97	30.60	9829	BB	2.269851E-03	

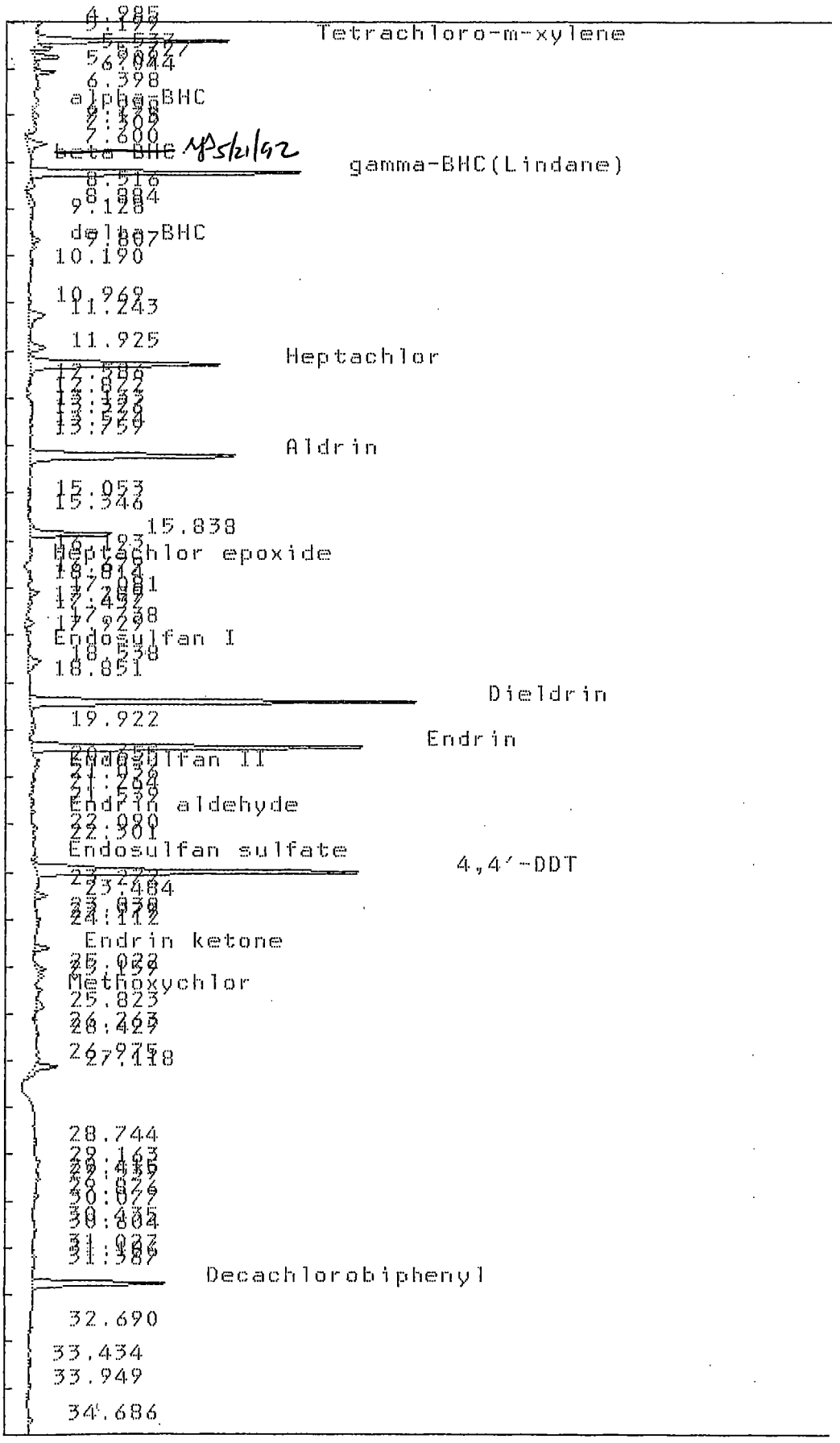
COLUMN ID:HP5890XB RTx5 .53MM

EQK02MSD
5/19/92 15:47

Pk#	RT	Area	Code	NG	NAME
98	31.03	8592	BB	1.984333E-03	
99	31.19	24351	BB	5.623714E-03	
100	31.37	10594	BB	2.446489E-03	
101	31.74	1115414	BB	8.309935E-02	Decachlorobiphenyl
102	32.69	16627	BB	3.839887E-03	
103	33.43	25505	BB	5.890183E-03	
104	33.95	37910	BB	8.755008E-03	
105	34.69	46146	BB	1.065699E-02	

Total Area : 22774080 Total NG : 35007.300

COLUMN ID:HP5890XB RTx5 .53MM
SampleName : EQK02MSD (60020MSD) 1UL TMB
Method : /METHODS/XBIAIB514.MTH
Injected on :Tue May 19, 1992 3:47:45 pm
Report File : /DATA/LOOP/FORMAT/GSHORT_AREA.FMT



1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EQK26MSD

Lab Name:Wadsworth/ALERT Labs Contract:68-DI-0085

Lab Code:WADS Case No.19026 SAS No.: SDG No.:EQK01

Matrix: (soil/water)WATER Lab Sample ID: 60304MSD

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

% Moisture: decanted: (Y/N) Date Received: 4/30/92

Extraction: (SepF/Cont/Sonc)CONT Date Extracted: 4/30/92

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 5/19/92

Injection Volume: 1.0 (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)	0.41	
76-44-8	Heptachlor	0.39	
309-00-2	Aldrin	0.38	
1024-57-3	Heptachlor epoxide	0.007	JB
959-98-8	Endosulfan I	0.05	U
60-57-1	Dieldrin	0.81	
72-55-9	4,4'-DDE	0.10	U
72-20-8	Endrin	0.85	
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	0.90	
72-43-5	Methoxychlor	0.50	U
53494-70-5	Endrin ketone	0.023	J
7421-93-4	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

COLUMN ID:HP5890XA RTx1701 .53MM
Sample Name : EQK26MSD (60304MSD) 1UL TMB Report No : 18.00

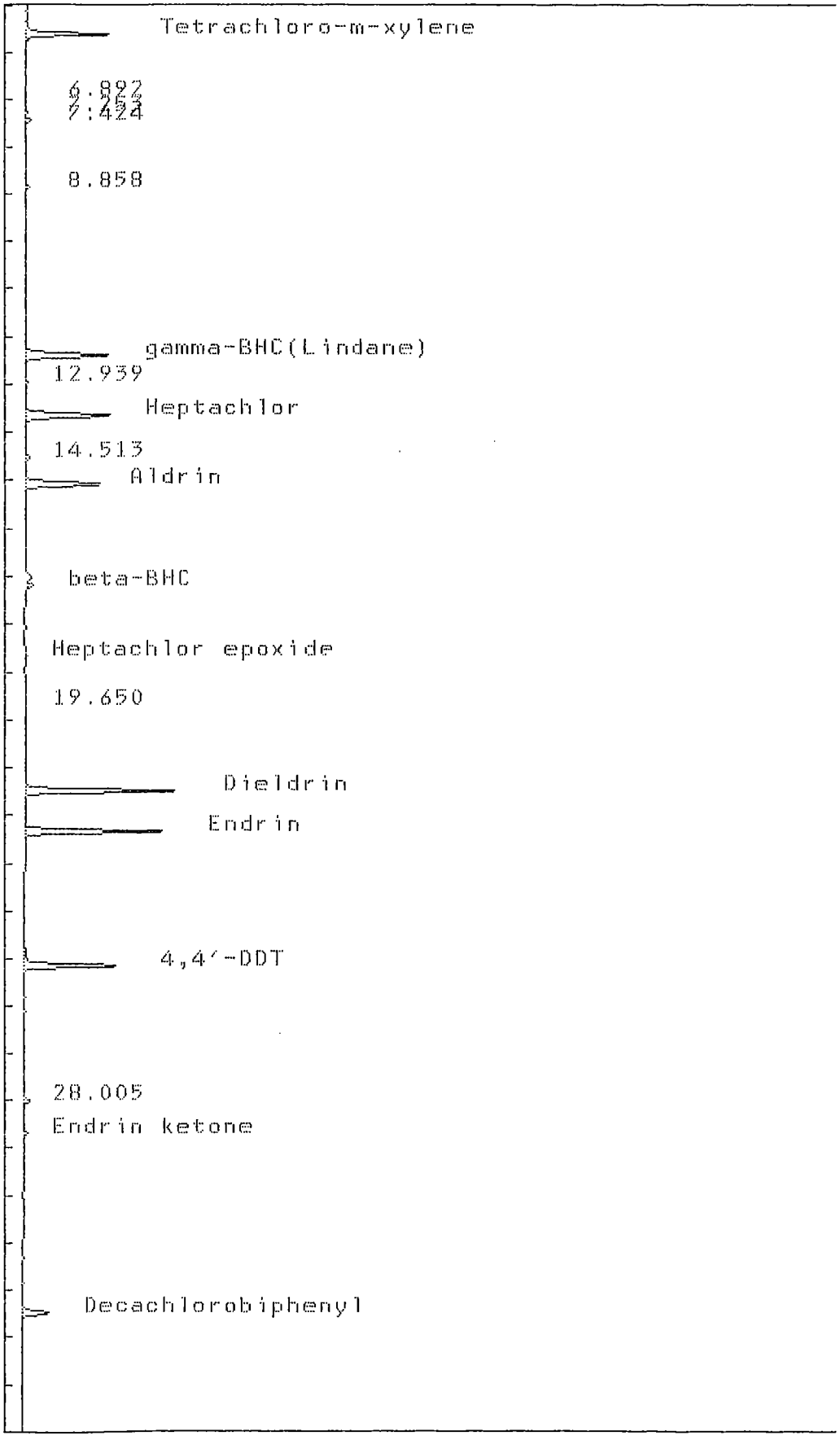
Peak Processor : Genie Multilevel : False
Instrument : XA Application : Loop
Calculation : ExternalSTD Quantitation : AreaUnits
Result File : /XA/XA518011.RES
Run Time : 35.02 Minutes Injected on Tue May 19, 1992 12:34:25 a

Run Status : RunStatusOK

Pk#	RT	Area	Code	NG	NAME
1	3.70	16613	BB	3.836666E-03	
2	3.86	97161	BB	2.243828E-02	
3	4.03	22555	BB	5.208962E-03	
4	4.16	138650	BB	3.201995E-02	
5	4.32	716729	BB	1.655214E-01	
6	4.57	170097	BB	3.928212E-02	
7	5.58	495675	BB	2.622939E-02	Tetrachloro-m-xylene
8	6.89	9601	BB	2.217353E-03	
9	7.25	12005	BB	2.772475E-03	
10	7.42	31809	BB	7.345878E-03	
11	8.86	28250	BB	6.524047E-03	
12	12.38	633688	BB	3.587755E-02	gamma-BHC(Lindane)
13	12.94	13541	BB	3.127107E-03	
14	13.63	685731	BB	4.465813E-02	Heptachlor
15	14.51	36942	BB	8.531285E-03	
16	15.05	544535	BB	3.649548E-02	Aldrin
17	17.18	21242	BB	2.503840E-03	beta-BHC
18	18.64	9780	BB	6.837767E-04	Heptachlor epoxide
19	19.65	9075	BB	2.095755E-03	
20	21.47	962879	BB	7.920314E-02	Dieldrin
21	22.31	890215	BB	1.014676E-01	Endrin
22	25.12	641834	BB	2.342887E-01	4,4'-DDT
23	28.00	42742	BB	9.870781E-03	
24	28.69	20819	BB	2.733755E-03	Endrin ketone
25	32.46	207163	BB	1.523342E-02	Decachlorobiphenyl

Total Area : 6459331 Total NG : .890

COLUMN ID:HP5890XA RTx1701 .53MM
SampleName : EQK26MSD (60304MSD) 1UL TMB
Method : /methods/XAIAIB514.MTH
Injected on :Tue May 19, 1992 12:34:25 am
Report File : /DATA/LOOP/FORMAT/GSHORT_AREA.FMT



COLUMN ID:HP5890XA RTx1701 .53MM
Sample Name : EQK26MSD (60304MSD) 1UL TMB Report No : 18.00

Peak Processor : Genie Multilevel : False
Instrument : XA Application : Loop
Calculation : ExternalSTD Quantitation : AreaUnits
Result File : /XA/XA518011.RES
Run Time : 35.02 Minutes Injected on Tue May 19, 1992 12:34:25 a

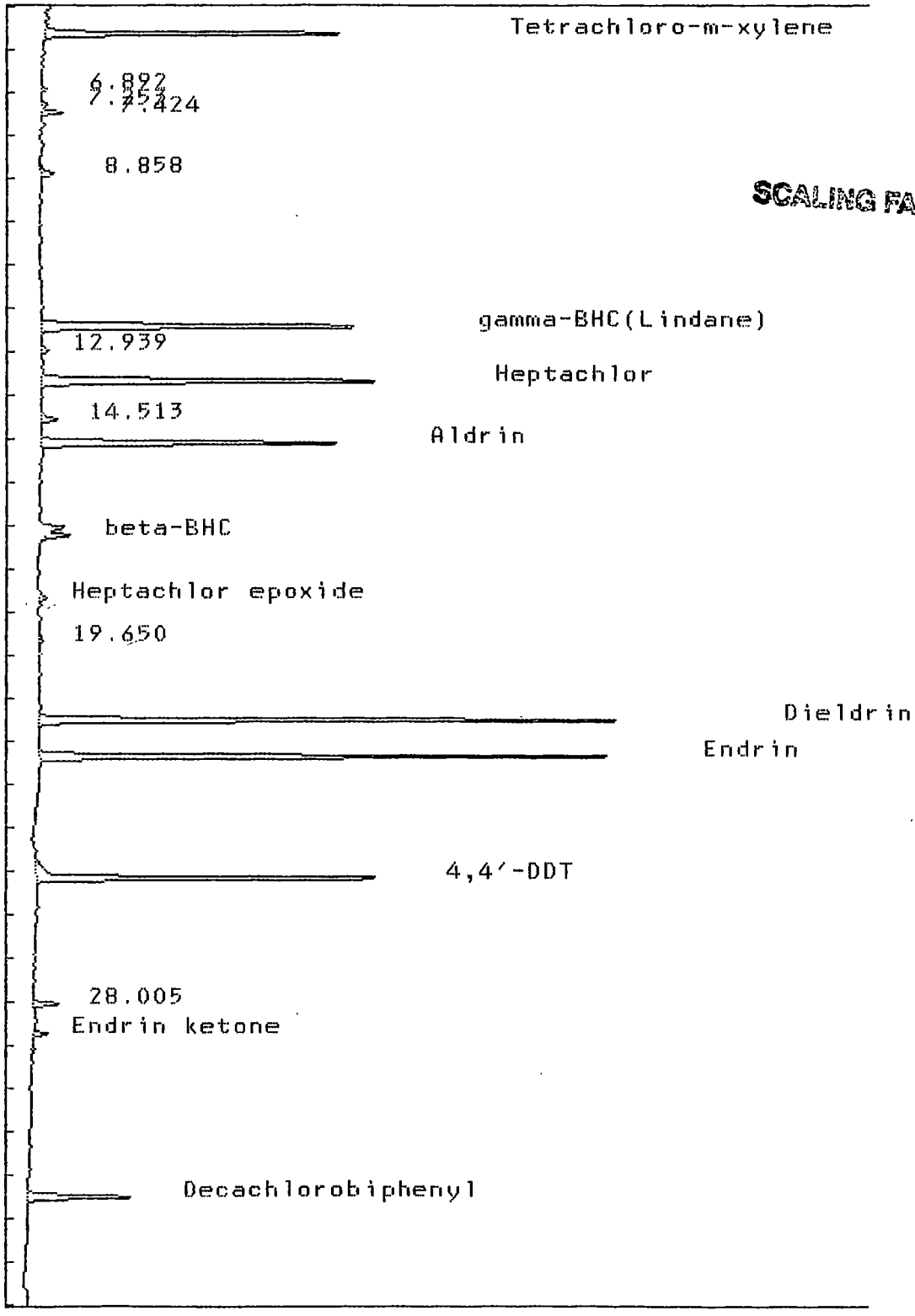
Run Status : RunStatusOK

Pk#	RT	Area	Code	NG	NAME
1	3.70	16613	BB	3.836666E-03	
2	3.86	97161	BB	2.243828E-02	
3	4.03	22555	BB	5.208962E-03	
4	4.16	138650	BB	3.201995E-02	
5	4.32	716729	BB	1.655214E-01	
6	4.57	170097	BB	3.928212E-02	
7	5.58	495675	BB	2.622939E-02	Tetrachloro-m-xylene
8	6.89	9601	BB	2.217353E-03	
9	7.25	12005	BB	2.772475E-03	
10	7.42	31809	BB	7.345878E-03	
11	8.86	28250	BB	6.524047E-03	
12	12.38	633688	BB	3.587755E-02	gamma-BHC(Lindane)
13	12.94	13541	BB	3.127107E-03	
14	13.63	685731	BB	4.465813E-02	Heptachlor
15	14.51	36942	BB	8.531285E-03	
16	15.05	544535	BB	3.649548E-02	Aldrin
17	17.18	21242	BB	2.503840E-03	beta-BHC
18	18.64	9780	BB	6.837767E-04	Heptachlor epoxide
19	19.65	9075	BB	2.095755E-03	
20	21.47	962879	BB	7.920314E-02	Dieldrin
21	22.31	890215	BB	1.014676E-01	Endrin
22	25.12	641834	BB	2.342887E-01	4,4'-DDT
23	28.00	42742	BB	9.870781E-03	
24	28.69	20819	BB	2.733755E-03	Endrin ketone
25	32.46	207163	BB	1.523342E-02	Decachlorobiphenyl

Total Area : 6459331 Total NG : .890

COLUMN ID:HP5890XA RTx1701 .53MM

SampleName : EQK26MSD (60304MSD) 1UL TMB
Method : /methods/XAIAIB514.MTH
Injected on :Tue May 19, 1992 12:34:25 am
Report File : /DATA/LOOP/FORMAT/GSHORT_AREA.FMT



COLUMN ID:HP5890XB RTx5 .53MM
Sample Name : EQK26MSD (60304MSD) 1UL TMB Report No : 18.00

Peak Processor : Genie Multilevel : False
Instrument : XB Application : Loop
Calculation : ExternalSTD Quantitation : AreaUnits
Result File : /XB/XB518011.RES
Run Time : 35.02 Minutes Injected on Tue May 19, 1992 12:34:25 a

Run Status : SignalOverload

Pk#	RT	Area	Code	NG	NAME
1	3.03	8582	BS	1.981869E-03	
2	3.28	236393	BB	5.459270E-02	
3	3.39	9722	BB	2.245267E-03	
4	3.62	13138	BB	3.034155E-03	
5	3.87	22239	BB	5.135986E-03	
6	4.26	341735	BB	7.892027E-02	
7	4.56	50001	BB	1.154728E-02	
8	4.71	9269	BB	2.140563E-03	
9	4.86	44274	BB	1.022461E-02	
10	5.37	605541	BB	4.279882E-02	Tetrachloro-m-xylene
11	5.68	331684	BB	7.659918E-02	
12	6.05	39829	BB	9.198181E-03	
13	6.39	12958	BB	2.992416E-03	
14	7.02	86548	BB	1.998743E-02	
15	7.87	10649	BB	2.459226E-03	
16	8.21	1799938	BB	1.334305E-01	gamma-BHC(Lindane)
17	9.22	31290	BB	7.226136E-03	
18	9.55	11778	BB	1.042862E-03	~~delta-BHC~~ MP 5/21/92
19	10.90	81988	BB	1.893423E-02	
20	11.24	136128	BB	3.143732E-02	
21	12.26	1623496	BB	1.258139E-01	Heptachlor
22	12.93	8711	BB	2.011715E-03	
23	13.61	14704	BB	3.395742E-03	
24	14.19	1588593	BB	1.431068E-01	Aldrin
25	14.74	43875	BB	1.013239E-02	
26	14.91	10137	BB	2.341092E-03	
27	15.40	13789	BB	3.184450E-03	
28	15.85	25651	BB	5.923884E-03	
29	16.42	26858	BB	2.104782E-03	Heptachlor epoxide
30	16.81	18347	BB	4.237163E-03	
31	16.99	15209	BB	3.512379E-03	
32	17.81	10718	BB	2.475330E-03	
33	18.16	29326	BB	2.445070E-03	Endosulfan I
34	19.38	2409631	BB	2.247157E-01	Dieldrin
35	19.85	8878	BB	2.050311E-03	
36	20.34	2032180	BB	3.038942E-01	Endrin
37	20.98	21020	BB	4.854430E-03	
38	21.73	24886	BB	3.039940E-03	Endrin aldehyde
39	22.96	1947596	BB	3.272507E-01	4,4'-DDT
40	23.62	16197	BB	3.740538E-03	
41	24.26	9982	BB	2.305156E-03	
42	24.59	73218	BB	7.195792E-03	Endrin ketone
43	25.54	9819	BB	2.267558E-03	
44	26.43	252042	BB	5.820662E-02	

COLUMN ID:HP5890XB RTx5 .53MM

EQK26MSD
5/19/92 00:34

Pk#	RT	Area	Code	NG	NAME
45	29.17	8031	BB	1.854598E-03	
46	31.74	417859	BB	3.113089E-02	Decachlorobiphenyl
47	32.41	12919	BB	2.983572E-03	
48	33.38	11019	BB	2.544749E-03	

Total Area : 14568378 Total NG : 1.805

COLUMN ID:HP5890XB RTx5 .53MM
SampleName : EQK26MSD (60304MSD) 1UL TMB
Method : /METHODS/XBIAIB514.MTH
Injected on :Tue May 19, 1992 12:34:25 am
Report File : /DATA/LOOP/FORMAT/GSHORT_AREA.FMT

4.861
Tetrachloro-m-xylene
5.685
6.047
6.386
7.020
7.871
gamma-BHC(Lindane)
9.222
~~delta-BHC~~ MP 5/21/92
10.895
11.242
Heptachlor
12.934
13.614
Aldrin
14.743
14.919
15.401
15.847
Heptachlor epoxide
16.806
16.989
17.806
Endosulfan I
Dieldrin
19.846
Endrin
20.984
Endrin aldehyde
4,4'-DDT
23.617
24.265
Endrin ketone
25.541
26.429
29.175
Decachlorobiphenyl
32.407
33.384

Satralloy

Shipp Date: 6-5-92
Time: 7 hours

CONTRACT COMPLIANCE SCREENING SUMMARY

FOR ORGANICS BY CRITERION

DATE MAILED: 6/11/92-CM

LAB CODE: WADS CONTRACT: 68-D1-0085 SAMPLES: 21 SCREENER: CE/CG DATE SCREENED: 6-9-92

CASE NO: 19026 SAS NO: _____ SDG NO: EQK01 REGION: 5 DATE RECEIVED: 6-4-92

ST CASE NO. 19026

SAMPLE	VOA A HOLD	VOA B THE	VOA C BLKS	VOA CALIB D INIT	VOA CALIB E CONT	VOA F SUR	VOA G MS/D	VOA H COMP	BNA A HOLD	BNA A HOLD	BNA B THE	BNA C BLKS	BNA CALIB D INIT	BNA CALIB E CONT	BNA F SUR	BNA G MS/D	BNA H COMP	PESTICIDES A HOLD	PESTICIDES A HOLD	PESTICIDES B BLKS	PESTICIDES C DDT	PESTICIDES D RTW	PESTICIDES E ANAL	PESTICIDES F DEG	PESTICIDES G DBC	PESTICIDES H MS/D	PESTICIDES CALIB I INIT	PESTICIDES CALIB J CONT
EQK01-01	Y			N					Y									Y										
EQK01-05	NA								NA									Y										
EQK02-01	Y			N					Y									Y										
EQK02-08	Y			N					Y									Y										
EQK02-09	Y			N					Y									Y										
EQK03-01	Y			N					NA									NA										
EQK04-01	Y			N					NA									NA										
EQK05-01	Y			N					NA									NA										
EQK06-01	Y			N					NA									NA										
EQK07-01	Y			N					NA									NA										
EQK08-01	Y			N					Y									Y										
EQK08-04	NA								Y									NA										
EQK09-01	Y			N					Y									Y										
EQK10-01	Y			N					NA									NA										
EQK11-01	Y			N					NA									NA										
EQK26-01	Y								Y									Y										
EQK26-08	Y								Y									Y										
EQK26-09	Y								Y									Y										
EQK27-01	Y								Y									Y										
EQK28-01	Y								Y									Y										

CODE: E = EXPLAIN, R = RESUBMIT, S = SUBMIT, N = NONCOMPLIANT, Y = ANALYZED, NA = NOT ANALYZED

CONTRACT COMPLIANCE SCREENING SUMMARY

FOR ORGANICS BY CRTERION

DATE MAILED: _____

LAB CODE: WADS CONTRACT: 68-D1-0085 SAMPLES: 21 SCREENER: CE DATE SCREENED: 6-9-92

CASE NO: 19026 SAS NO: _____ SDG NO: EQK01 REGION: 5 DATE RECEIVED: 6-4-92

SAMPLE	VOA A HOLD	VOA B TUNE	VOA C BLKS	VOA CALIB D INIT	VOA CALIB E CONT	VOA F SUR	VOA G MS/D	VOA H COMP	BNA A HOLD	BNA A1 HOLD	BNA B TUNE	BNA C BLKS	BNA CALIB D INIT	BNA CALIB E CONT	BNA F SUR	BNA G MS/D	BNA H COMP	PESTICIDES A HOLD	PESTICIDES A1 HOLD	PESTICIDES B BLKS	PESTICIDES C DDT	PESTICIDES D RTW	PESTICIDES E ANAL	PESTICIDES F DEG	PESTICIDES G DBC	PESTICIDES H MS/D	PESTICIDES CALIB I INIT	PESTICIDES CALIB J CONT	PESTICIDES K COMP
EQK29-01	+	+	+	Y	+	+	+	+	+	NA	+	+	+	+	+	+	+	+	NA	+	+	+	+	+	+	+	+	+	+
	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
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	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+

CODE: E = EXPLAIN, R = RESUBMIT, S = SUBMIT, N = NONCOMPLIANT, Y = ANALYZED, NA = NOT ANALYZED

U.S.E.P.A. - C.L.P.
SAMPLE MANAGEMENT OFFICE

ORGANIC
CONTRACT COMPLIANCE SCREENING BY CRITERION

CASE: 19026 SAMPLES: 21 SDG NO: EQK01
LAB CODE: WADS SCREENED BY: CE DATE: 6-9-92

FRACTION	CRITERION	COMMENTS
VOA	D	Form 6A has three compounds that exceeded the %RSD criteria. Initial Calibration was run on 4/29/92 on instrument INCOS50-1 & column RTX502.2. Samples affected include EQK01 through EQK11.
~~BNA~~	~~H~~	~~Form 8C reports EQK08RE with an internal standard area outside QC limits. Since a subsequent sample or standard did not run afterwards, then corrections must be considered. Sample should have been re-analyzed. (D-53/SV)~~
~~BNA~~	~~E~~	~~Form 7B/7C for continuing calibration check had 4 compounds that exceeded %D criteria. Calibration date was 5-7-92 on instrument EXTR03. Samples affected include EQK26, EQK26MS, EQK26MSD, EQK27, EQK28, EQK08. (D-47/SV)~~
		~~For 7B/7C for continuing calibration check had 3 compounds that exceeded %D criteria. Calibration date was 5-8-92 on instrument EXTR03. Samples affected include EQK01, EQK09, EQK02, EQK02MS, EQK02MSD. (D-47/SV)~~

please disregard

please disregard

CONTRACT COMPLIANCE SCREENING: HITS, SAMPLE TYPE AND LRD,

CASE: 19026 SAS NO: ____ DRD: 6-4-92 DATE: 6-9-92

LAB CODE: WROS SDG NO: EQK01 REGION: 5 SCREENED BY: CE

SAMPLE NO.	HITS VOA TCL	HITS VOA TIC	HITS BNA TCL	HITS BNA TIC	HITS PEST TCL	SAMPTYPE OLW, OLS OR OMS	LRD
EQK01-01	1	2	12	11	3	OLS	4-29-92
EQK01-05	NA	NA	NA	NA	1	OLS	4-29-92
EQK02-01	2	0	9	20	2	OLS	4-29-92
EQK02-08	7		18	—	8	OLS	4-29-92
EQK02-09	6		18	—	9	OLS	4-29-92
EQK03-01	1	0	NA	NA	NA	OLS	4-29-92
EQK04-01	0	0	NA	NA	NA	OLS	4-29-92
EQK05-01	1	0	NA	NA	NA	OLS	4-29-92
EQK06-01	2	0	NA	NA	NA	OLS	4-29-92
EQK07-01	1	0	NA	NA	NA	OLS	4-29-92
EQK08-01	1	0	14	20	2	OLS	4-29-92
EQK08-04	NA	NA	14	20	NA	OLS	4-29-92
EQK09-01	1	0	12	20	1	OLS	4-29-92
EQK10-01	1	0	NA	NA	NA	OLS	4-29-92
EQK11-01	0	0	NA	NA	NA	OLS	4-29-92
EQK26-01	1	0	0	1	1	OLW	4-30-92
EQK26-08	6	—	12	—	7	OLW	4-30-92
EQK26-09	6	—	11	—	8	OLW	4-30-92
EQK27-01	1	0	1	1	0	OLW	4-30-92
EQK28-01	1	0	1	1	0	OLW	4-30-92

CONTRACT COMPLIANCE SCREENING: HITS, SAMPLE TYPE AND LRD,

CASE: 19026 SAS NO: _____ DRD: 6-4-92 DATE: 6-9-92

LAB CODE: WADS SDG NO: EQK01 REGION: 5 SCREENED BY: CE

SAMPLE NO.	HITS					SAMPTYPE	L R D
	VOA		BNA		PEST	OLW , OLS	
	TCL	TIC	TCL	TIC	TCL	OR OMS	
EQKZ901	2	0	NA	NA	NA	OLW	4-30-92

HOLDING TIMES:
WORKSHEET

CIRCLE FRACTIONS WHICH ARE
NOT WITHIN CRITERIA.

SAMPLE ID	LRD	VOA DATE ANAL	BNA		PEST.		HOLDING TIME
			DATE EXT	DATE ANAL	DATE EXT	DATE ANAL	
EQK01-01	4-29-92	5-1	5-4	5-8	5-4	5-19	
EQK01-05	↓	NA	NA	NA	5-4	5-19	
EQK02-01	4-29-92	5-1	5-4	5-8	5-4	5-19	
EQK02-08		5-4	5-4	5-8	5-4	5-19	
EQK02-09		5-4	5-4	5-8	5-4	5-19	
EQK03-01		5-1	NA	NA	NA	NA	
EQK04-01		5-1	NA	NA	NA	NA	
EQK05-01		5-1	NA	NA	NA	NA	
EQK06-01		5-4	NA	NA	NA	NA	
EQK07-01		5-1	NA	NA	NA	NA	
EQK08-01		5-1	5-4	5-7	5-4	5-19	
EQK08-04		NA	5-8	5-18	NA	NA	
EQK09-01		5-1	5-4	5-8	5-4	5-19	
EQK10-01		5-1	NA	NA	NA	NA	
EQK11-01	↓	5-1	NA	NA	NA	NA	
EQK26-01	4-30-92	5-2	4-30	5-7	4-30	5-18	
EQK26-08		5-2	4-30	5-7	4-30	5-18	
EQK26-09		5-2	4-30	5-7	4-30	5-19	
EQK27-01	↓	5-2	4-30	5-7	4-30	5-19	

VOA - Holding Time = Analysis within 10 days of LRD water & soil

BNA - Holding Times = Extraction within 5 days of LRD for water.
Holding Times = Extraction within 10 days of LRD for Soil/Sed.
Holding Times = Analyzed within 40 days following extraction.

PEST - Holding Times = Extraction within 5 days of LRD for water
Holding Times = Extraction within 10 days of LRD for Soil/Sed.
Holding Times = Analyzed within 40 days following extraction.

WPU21003-9

EPA

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

Organic Traffic Report & Chain of Custody Record

(For Organic CLP Analysis)

SAS No. (if applicable):
Case No.:

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. HNO_3
   3. $NaHSO_4$
   4. H_2SO_4
   5. Other (Specify)
   6. Ice only
   N. Not preserved

3. Region No.:
Sampling Co.:
5. Date Shipped:
Carrier:
7. Date Received -- Received by: 4-29-92 John Gruber
Laboratory Contract Number: 68-D1-0085
Unit Price: $724.00
Sampler (Name):
Airbill Number:
Sampler Signature:
6. Ship To: Wadsworth/Alert Laboratories, Inc. 4101 Shuffel Drive, N.W. North Canton, OH 44720 ATTN: Dennis Crouch
8. Transfer to:
Date Received:
Received by:
Contract Number:
Price:

4. Type of Activity

	Lead	Pre-Remedial	Remedial	Removal
SF	X		RIFS	CLEM
PRP		PA	RD	REMA
ST		SSI X	RA	REM
FED		LSI	O&M	OIL
			NPLD	UST

CLP Sample Numbers (from Labels)	A Enter # From Box 1	B Conc. Low Med High	C Sample Type: Comp./Grab	D Preservative from Box 6	E RAS Analysis: VOA	BNA	Pest/PCB	High ARO/TOX	F Regional Specific Tracking Number or Tag Numbers	G Station Location Number	H Mo/Day/Year/Time Sample Collection	I Sampler Initials	J Corresp. CLP Inorg. Samp. No.	K Sample Condition on Rec't	L High Conc. Phases (Check below): Solids	Water - Mis Liq.	Non Water - Mis Liq.
EQK01	5	L	G	N	X				5-046501, 5-046502	SS-1	4/28/92 1050		MERA01				
EQK01			C	N		X	X		5-046503	SS-1	4/28/92 1050		MERA01				
EQK04			G	N	X				5-046513, 5-046514	SS-4	4/28/92 1105		MERA04				
EQK08			G	N	X				5-046529, 5-046530	SS-8	4/28/92 1200		MERA08				
EQK08			C	N		X	X		5-046531	SS-8	4/28/92 1200		MERA08				
EQK09			G	N	X				5-046533, 5-046534	SS-9	4/28/92 1300		MERA09				
EQK09			C	N		X	X		5-046535	SS-9	4/28/92 1300		MERA09				
EQK10			G	N	X				5-046537, 5-046538	SS-10	4/28/92 1330		MERA10				
EQK11			G	N	X				5-046541, 5-046542	SS-11	4/28/92 1125		MERA11				

Shipment for Case complete? (Y/N):
Page 1 of 2
Sample used for a spike and/or duplicate: EQK02
Additional Sampler Signatures:
Chain of Custody Seal Number:

CHAIN OF CUSTODY RECORD

Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
	4/28/92	Christopher P. Coppel	Christopher P. Coppel	4/29/92 1125	
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) John Gruber	Date / Time: 4-29-92 1140	Remarks: Is custody seal intact? Y/N/none	

Split Samples: ☐ Accepted (Signature) ☐ Declined

EPA Form 9110-2 (Rev. 5-91) Replaces EPA Form (2075-7), previous edition which may be used

DISTRIBUTION:
Blue - Region Copy Pink - SMO Copy White - Lab Copy for Return to Region Yellow - Lab Copy for Return to SMO

SEE REVERSE FOR ADDITIONAL STANDARD INSTRUCTIONS

Org-2

O 02221

000004

SDG # EQK01

EPA

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

Organic Traffic Report & Chain of Custody Record

(For Organic CLP Analysis)

SAS No. (If applicable):
Case No.:

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. H_2SO_4
   5. Other (Specify)
   6. Ice only
   N. Not preserved

3. Region No.:
Sampling Co.:
Sampler (Name): [illegible]
Sampler Signature: [illegible]

4. Type of Activity: Lead / Pre-Remedial / Remedial / Removal
   SF [X] PRP [ ] ST [ ] FED [ ]
   PA [ ] SSI [X] LSI [ ]
   RIFS [ ] RD [ ] RA [ ] O&M [ ] NPLD [ ]
   CLEM [ ] REMA [ ] REM [ ] OIL [ ] UST [ ]

5. Date Shipped:
Carrier:
Airbill Number: [illegible]

6. Ship To: Wheelabrator/Mid Laboratories
4101 Shuffel Drive, N.W.
North Canton, OH 44720
ATTN: Dennis Crouch

7. Date Received -- Received by: 4-30-92 John Gruber
Laboratory Contract Number: 68-D1-0085
Unit Price: $724.00

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: VOA	BNA	Pest/ PCB	High ARO/ TOX	F Regional Specific Tracking Number or Tag Numbers	G Station Location Number	H Mo/Day/ Year/Time Sample Collection	I Sampler Initials	J Corresp. CLP Inorg. Samp. No.	K Sample Condition on Rec't	L High Conc. Phases (Check below): Solids	Water -- Mis Liq.	Non Water -- Mis Liq.
EQX 26	2	L	G	1	X				5-046577-046582	MW-1	4/29/92 1025	RB	MERA 26				
EQX 26				N		X			5-046583, 5-046584	MW-1	4/29/92 1025		MERA 26				
EQX 26				N			X		5-046585, 5-046586	MW-1	4/29/92 1025		MERA 26				
EQX 27				1	X				5-046591, 5-046592	MW-1D	4/29/92 1025		MERA 27				
EQX 27				N		X			5-046593, 5-046594	MW-1D	4/29/92 1025		MERA 27				
EQX [illegible]				N			X		5-046544	MW-1D	4/29/92 1025		MERA 27				
EQX [illegible]				1	X				5-046595, 5-046598	FB-1	4/29/92 1100		MERA [illegible]				
EQX [illegible]				N		X			5-046599	FB-1	4/29/92 1100		MERA [illegible]				
EQX [illegible]				N			X		5-046600	FB-1	4/29/92 1100		MERA [illegible]				
EQX 21				1	X				5-046603, 5-046604	TB-1	4/29/92 700			SDG - FINAL SAMPLE			

Shipment for Case complete? (Y/N):
Page 1 of 1
Sample used for a spike and/or duplicate: EQX 26
Additional Sampler Signatures:
Chain of Custody Seal Number: [illegible]

CHAIN OF CUSTODY RECORD

Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
[illegible]	4/30/92 1315	Christopher P. Coppel	Christopher P. Coppel	4/30/92 1000	
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) John Gruber	Date / Time: 4-30-92 1000	Remarks: Is custody seal intact? Y/N/none	

Split Samples: [ ] Accepted (Signature) [ ] Declined

EPA Form 9110-2 (Rev. 5-91) Replaces EPA Form (2075-7), previous edition which may be used

DISTRIBUTION:
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SEE REVERSE FOR ADDITIONAL STANDARD INSTRUCTIONS

Org-2

000305

SDG # EQK01

HOLDING TIMES:
WORKSHEET

CIRCLE FRACTIONS WHICH ARE
NOT WITHIN CRITERIA.

SAMPLE ID	LRD	VOA DATE ANAL	BNA		PEST.		HOLDING TIME
			DATE EXT	DATE ANAL	DATE EXT	DATE ANAL	
EQK28-01	4-30-92	5-2	4-30	5-7	4-30	5-19	
EQK29-01	4-30-92	5-2	NA	NA	NA	NA	

VOA - Holding Time = Analysis within 10 days of LRD water & soil

BNA - Holding Times = Extraction within 5 days of LRD for water.
Holding Times = Extraction within 10 days of LRD for Soil/Sed.
Holding Times = Analyzed within 40 days following extraction.

PEST - Holding Times = Extraction within 5 days of LRD for water
Holding Times = Extraction within 10 days of LRD for Soil/Sed.
Holding Times = Analyzed within 40 days following extraction.

WP\12\003-9

CENTRAL REGIONAL LABORATORY SAMPLE DATA REPORT
ORGANICS/INORGANICS

THIS FORM IS TO BE USED FOR SAMPLES SENT TO CONTRACT ONLY

CASE NUMBER/SAS No. 19026 SITE NAME SATRALLOY LABORATORY WADSWORTH/ALERT DATE SHIPPED 4/28-4/29/92

SUPERFUND DU NUMBER _____ EPA RPM or OSC (S.M.S.)/(CES) _____ CERCLIS # OHD 010467538 PAGE 1 OF 1

ACTIVITY NUMBER SSI/ZZ

CRL LOG NUMBER	ORGANIC TRAFFIC REPORT NUMBER or SAS Packing List No.	INORGANIC TRAFFIC REPORT NUMBER	WATER OR LIQUIDS: ACID BASE NEUTRAL CPDS ORGANIC SCAN UG L TOX17574	VOLATILE ORGANIC ANALYSIS ORGANIC SCAN UG L TOX17564	WATER POLYCHLORINATED BIPHENYLS UG L PES 17144	WATER CHLORINATED PESTICIDES UG L PES17134	TOTAL METALS IN WATER UG L MET111	WATER CYANIDE UG L MIN74919	NITRATE NITRITE MG L MIN7284	AMMONIA MG L MIN7294	RESIDUE, FILTERABLE TDS MG L MIN7362	RESIDUE NON-FILT TSS MG L MIN7372			SEDIMENTS or SOILS: ACID-BASE NEUTRAL CPDS ORGANIC SCAN MG KG TOX215722	VOLATILE ORGANIC ANALYSIS ORGANIC SCAN MG KG TOX215622	SEDIMENTS POLYCHLORINATED BIPHENYLS MG KG PES[illegible]	SEDIMENTS CHLORINATED PESTICIDES MG KG [illegible]	TOTAL METALS MG KG MET[illegible]	CYANIDE MG KG MIN44930	EP TOXICITY METALS MG KG	AMMONIA MG KG MIN42925				
92ZF90S05	EQK 26		X	X	X	X																				
92ZF90D02	EQK 27		X	X	X	X																				
92ZF90R02	EQK 28		X	X	X	X																				
92ZF90R03	EQK 29			X																						
92ZF90S06	EQK 01														X	X	X	X								
92ZF90S07	EQK 02														X	X	X	X								
92ZF90S08	EQK 03															X										
92ZF90S09	EQK 04															X										
92ZF90S10	EQK 05															X										
92ZF90S11	EQK 06															X										
92ZF90S12	EQK 07															X										
92ZF90S13	EQK 08														X	X	X	X								
92ZF90S14	EQK 09														X	X	X	X								
92ZF90S15	EQK 10															X										
92ZF90S16	EQK 11															X										

JUN 05 1992

D. Harris EPA

EPA

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

Organic Traffic Report & Chain of Custody Record

(For Organic CLP Analysis)

SAS No. (if applicable):

Case No.: 19026

1. Project Code:
Account Code:
2. Region No.: 5
Sampling Co.: PRC
4. Date Shipped: 4/29/92
Carrier: Federal Express

Regional Information: TFA 102
Sampler (Name): R. Baker
Airbill Number: 2271398684

Non-Superfund Program
Sampler Signature:
5. Ship To: Wadsworth/Alert Laboratories, 4101 Shuffel Drive, N.W., North Canton, OH 44720
ATTN: Denise Crison

Site Name: Satellite
City, State: Steubenville, OH
Site Spill ID: SSI22

3. Type of Activity:

	Lead	Pre-Remedial	Remedial	Removal
SF	X		RIFS	CLEM
PRP		PA	RD	REMA
ST		SSI X	RA	REM
FED		LSI	O&M	OIL
			NPLD	UST

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

7. 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)

CLP Sample Numbers (from labels)	A Enter # from Box 7	B Conc. Low Med High	C Sample Type: Comp./ Grab	D Preservative from Box 6	E RAS Analysis VOA	BNA	Pest/ PCB	High only ARO/ TOX	F Regional Specific Tracking Number or Tag Numbers	G Station Location Number	H Mo/Day/ Year/Time Sample Collection	I Sampler Initials	J Corresp. CLP Inorg. Samp. No.	K Enter Appropriate Qualifier for Designated Field QC (B = Blank S = Spike D = Duplicate PE = Perform. Eval. — = Not a QC Sample)
EQX26	2	L	G	i	X				5-046577-046582	MW-1	4/29/92 1025	RB	MERA26	
EQX26				N		X			5-046583,5-046584	MW-1	4/29/92 1025		MERA26	
EQX26				N			X		5-046585,5-046586	MW-1	4/29/92 1025		MERA26	
EQK27				i	X				5-046591,5-046592	MW-1D	4/29/92 1025		MERA27	D (EQK26)
EQK27				N		X			5-046593, ~~5-046594~~	MW-1D	4/29/92 1025		MERA27	D (EQK26)
EQK27				N			X		5-046594	MW-1D	4/29/92 1025		MERA27	D (EQK26)
EQK28				i	X				5-046597,5-046598	FB-1	4/29/92 1100		MERA28	B
EQK28				N		X			5-046599	FB-1	4/29/92 1100		MERA28	B
EQK28				N			X		5-046600	FB-1	4/29/92 1100		MERA28	B
EQK29				i	X				5-046603,5-046604	TB-1	4/29/92 900			B

Shipment for Case complete? (Y/N): Y
Page 1 of 1
Sample used for a spike and/or duplicate: EQX26
Additional Sampler Signatures:
Chain of Custody Seal Number: 157433, 157434

CHAIN OF CUSTODY RECORD

Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
	4/29/92 1315	Christopher P. Cappel	Christopher P. Cappel	4/29/92 1600	
Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
Relinquished by: (Signature)	Date / Time	Received for Laboratory by: (Signature)	Date / Time	Remarks: Is custody seal intact? Y/N/none	

Split Samples: ☐ Accepted (Signature) ☐ Declined

EPA Form 9110-2 (Rev. 5-91) Replaces EPA Form (2075-7), previous edition which may be used

DISTRIBUTION:
Blue - Region Copy Pink - SMO Copy White - Lab Copy for Return to Region Yellow - Lab Copy for Return to SMO

SEE REVERSE FOR ADDITIONAL STANDARD INSTRUCTIONS

O 02241

Org-1

Organic Sample Collection Requirements

"This form replaces both the individual Traffic Report and EPA Chain of Custody Record. If the sampling team elects to use an alternative chain-of-custody form, cross out the bottom portion of this record and indicate that chain-of-custody information is recorded on an alternative form."

Water Samples	Required Volume	Container Type
Extractable Analysis (Low Level)	1 Gallon	1 X 4-Liter Amber Glass Bottle OR 2 X 80-oz. Amber Glass Bottle OR 4 X 1-Liter Amber Glass Bottles
Extractable Analysis (Medium Level*)	1 Gallon	32-oz. Wide-Mouth Glass Jars
Volatile Analysis (Low or Medium Level*)	80 ml.	2 X 40-ml. Glass Vials

*All Medium and High Level Samples to be Sealed in Metal Can for Shipment

Soil/Sediment Samples	Required Volume	Container Type
Extractable Analysis (Low or Medium Level*)	6 oz.	1 X 8-oz. Wide-Mouth Glass Jar OR
	240 ml.	2 X 4-oz. Wide-Mouth Glass Jars
Volatile Analysis (Low or Medium Level*)		2 X 120 ml. Wide-Mouth Glass Vials†

†Soil VOA Vials under study, subject to change, check to ensure proper sealing.

HIGH CONCENTRATION SAMPLE COLLECTION REQUIREMENTS

Liquid or Solid Samples	Required Volume	Container Type
Extractable and Volatile Analysis	6 oz.	1 X 8-oz. Wide-Mouth Glass Jar

1. **Organic Sample Collection Requirements**
   - Please indicate sample to spike and/or duplicate.
   - Ship medium and high concentration samples in paint cans.
   - Aqueous samples require one triple-volume sample per twenty for Matrix Spike/Matrix Spike Duplicate.
   - Oily samples must be analyzed under the Special Analytical Services (SAS) program.
   - Confirmatory analysis and Special Analytical Services (SAS) parameters may require extra volume; for SAS consult specified SAS methods for requirements.
   - Additional sample volume not required for method OLC01.

2. **Cooler and Sample Documentation**
   - Complete all sections of the Traffic Report/Chain of Custody Form - Press firmly with a ball point pen to ensure that carbon copies are legible. Check the information and correct any errors.
   - Please remember to complete the Chain of Custody information on the form.
   - Seal the two sets of laboratory Traffic Report/Chain of Custody form copies in a plastic bag. Include a return address for the cooler. Tape bag under cooler lid.
   - Overlap the lid and bottle of each sample container with custody seals.
   - Seal each container in a plastic bag.
   - Pack medium and high concentration samples in metal cans.
   - Cool low waters to 4° C. Cooling of low soils is optional. Do not cool medium or high concentration waters and soils.
   - Separate and surround cooler contents with vermiculite or equivalent packaging.
   - Seal the cooler, overlapping the lid and body with custody seals.
   - FAX SMO a copy of the Traffic Report/Chain of Custody Form as soon as possible. Send SMO the pink copy of the Traffic Report within 5 days.
   - In column E RAS analysis indicate number of sample bottles sent for analysis.

3. **Sample Shipment Reporting**
   - PHONE IN ALL SHIPMENTS IMMEDIATELY TO SMO (or to RSCC, if instructed)

     Required information:

     Case (and/or SAS) Number
     Date shipped
     Number of samples by concentration and matrix
     Carrier and airbill number
     Next planned shipment

     Leave your name and a number where you can be reached.
   - Information for SATURDAY DELIVERIES must be phoned in by 3:00 PM (Eastern) the preceding FRIDAY.
   - Report any delays or changes of scope (i.e., changes in number of samples to be collected, matrix changes, etc.)
   - CALL IF YOU HAVE ANY QUESTIONS

     USEPA Contract Laboratory Program
     Sample Management Office
     P.O. Box 818
     Alexandria, VA 22313
     Phone: (703) 557-2490
     (703) 684-5678
     FAX: (703) 683-0378

EPA

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

Organic Traffic Report & Chain of Custody Record

(For Organic CLP Analysis)

SAS No. (if applicable)

Case No. 19026

1. Project Code: ~~19026~~ CLH 4/28/92	Account Code	2. Region No.: 5	Sampling Co.: PRC
4. Date Shipped: 4/28/92	Carrier: Federal Express		
Regional Information: TFA 102	Sampler (Name): C. Hirschman	Airbill Number: 2271398651	
Non-Superfund Program	Sampler Signature: C. Hirschman	5. Ship To: Wadsworth/Alert Laboratories, Inc. 4101 Shuffel Drive, N.W. North Canton, OH 44720 ATTN: Denise Crison	
Site Name: Satralloy	3. Type of Activity: Lead / Pre-Remedial / Remedial / Removal: SF [X], PRP [ ], ST [ ], FED [ ]; PA [ ], SSI [X], LSI [ ]; RIFS [ ], RD [ ], RA [ ], O&M [ ], NPLD [ ]; CLEM [ ], REMA [ ], REM [ ], OIL [ ], UST [ ]		
City, State: Steubenville, OH	Site Spill ID: SSI ZZ		

6. Preservative (Enter in Column D)
1. HCl
2. HNO3
3. $NaHSO_4$
4. H_2SO_4
5. Other (Specify)
6. Ice only
N. Not preserved

7. 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)

CLP Sample Numbers (from labels)	A Enter # from Box 7	B Conc. Low Med High	C Sample Type: Comp./Grab	D Preservative from Box 6	E RAS Analysis: VOA	BNA	Pest/PCB	High only ARO/TOX	F Regional Specific Tracking Number or Tag Numbers	G Station Location Number	H Mo/Day/Year/Time Sample Collection	I Sampler Initials	J Corresp. CLP Inorg. Samp. No.	K Enter Appropriate Qualifier for Designated Field QC (B = Blank S = Spike D = Duplicate PE = Perform. Eval. — = Not a QC Sample)
EQK01	5	L	G	N	X				5-046501, 5-046502	SS-1	4/28/92 1050	CLH	MERA01	
EQK01	↓	↓	C	N		X	X		5-046503	SS-1	4/28/92 1050	↓	MERA01	
EQK04	↓	↓	G	N	X				5-046513, 5-046514	SS-4	4/28/92 1105	↓	MERA04	
EQK08	↓	↓	G	N	X				5-046529, 5-046530	SS-8	4/28/92 1200	↓	MERA08	
EQK08	↓	↓	C	N		X	X		5-046531	SS-8	4/28/92 1200	↓	MERA08	
EQK09	↓	↓	G	N	X				5-046533, 5-046534	SS-9	4/28/92 1300	↓	MERA09	
EQK09	↓	↓	C	N		X	X		5-046535	SS-9	4/28/92 1300	↓	MERA09	
EQK10	↓	↓	G	N	X				5-046537, 5-046538	SS-10	4/28/92 1330	↓	MERA10	
EQK11	↓	↓	G	N	X				5-046541, 5-046542	SS-11	4/28/92 1125	↓	MERA11	

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
		EQK02		157429, 157430

CHAIN OF CUSTODY RECORD

Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
Christine Hirschman	4/28/92 1400	Christopher P. Coppel	Christopher P. Coppel	4/28/92 1735	
Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
Relinquished by: (Signature)	Date / Time	Received for Laboratory by: (Signature)	Date / Time	Remarks Is custody seal intact? Y/N/none	

Split Samples [ ] Accepted (Signature)
[ ] Declined

EPA Form 9110-2 (Rev. 5-91) Replaces EPA Form (2075-7), previous edition which may be used

DISTRIBUTION:
Blue - Region Copy Pink - SMO Copy White - Lab Copy for Return to Region Yellow - Lab Copy for Return to SMO

SEE REVERSE FOR ADDITIONAL STANDARD INSTRUCTIONS

O 02221

Org-1

Organic Sample Collection Requirements

"This form replaces both the individual Traffic Report and EPA Chain of Custody Record. If the sampling team elects to use an alternative chain-of-custody form, cross out the bottom portion of this record and indicate that chain-of-custody information is recorded on an alternative form."

Water Samples	Required Volume	Container Type
Extractable Analysis (Low Level)	1 Gallon	1 X 4-Liter Amber Glass Bottle OR 2 X 80-oz. Amber Glass Bottle OR 4 X 1-Liter Amber Glass Bottles
Extractable Analysis (Medium Level*)	1 Gallon	32-oz. Wide-Mouth Glass Jars
Volatile Analysis (Low or Medium Level*)	80 ml.	2 X 40-ml. Glass Vials

*All Medium and High Level Samples to be Sealed in Metal Can for Shipment

Soil/Sediment Samples	Required Volume	Container Type
Extractable Analysis (Low or Medium Level*)	6 oz.	1 X 8-oz. Wide-Mouth Glass Jar OR
	240 ml.	2 X 4-oz. Wide-Mouth Glass Jars
Volatile Analysis (Low or Medium Level*)		2 X 120 ml. Wide-Mouth Glass Vials†

†Soil VOA Vials under study, subject to change, check to ensure proper sealing.

HIGH CONCENTRATION SAMPLE COLLECTION REQUIREMENTS

Liquid or Solid Samples	Required Volume	Container Type
Extractable and Volatile Analysis	6 oz.	1 X 8-oz. Wide-Mouth Glass Jar

1. **Organic Sample Collection Requirements**
   - Please indicate sample to spike and/or duplicate.
   - Ship medium and high concentration samples in paint cans.
   - Aqueous samples require one triple-volume sample per twenty for Matrix Spike/Matrix Spike Duplicate.
   - Oily samples must be analyzed under the Special Analytical Services (SAS) program.
   - Confirmatory analysis and Special Analytical Services (SAS) parameters may require extra volume; for SAS consult specified SAS methods for requirements.
   - Additional sample volume not required for method OLC01.

2. **Cooler and Sample Documentation**
   - Complete all sections of the Traffic Report/Chain of Custody Form - Press firmly with a ball point pen to ensure that carbon copies are legible. Check the information and correct any errors.
   - Please remember to complete the Chain of Custody information on the form.
   - Seal the two sets of laboratory Traffic Report/Chain of Custody form copies in a plastic bag. Include a return address for the cooler. Tape bag under cooler lid.
   - Overlap the lid and bottle of each sample container with custody seals.
   - Seal each container in a plastic bag.
   - Pack medium and high concentration samples in metal cans.
   - Cool low waters to 4° C. Cooling of low soils is optional. Do not cool medium or high concentration waters and soils.
   - Separate and surround cooler contents with vermiculite or equivalent packaging.
   - Seal the cooler, overlapping the lid and body with custody seals.
   - FAX SMO a copy of the Traffic Report/Chain of Custody Form as soon as possible. Send SMO the pink copy of the Traffic Report within 5 days.
   - In column E RAS analysis indicate number of sample bottles sent for analysis.

3. **Sample Shipment Reporting**
   - PHONE IN ALL SHIPMENTS IMMEDIATELY TO SMO (or to RSCC, if instructed)
     - Required information:
       - Case (and/or SAS) Number
       - Date shipped
       - Number of samples by concentration and matrix
       - Carrier and airbill number
       - Next planned shipment

     Leave your name and a number where you can be reached.
   - Information for SATURDAY DELIVERIES must be phoned in by 3:00 PM (Eastern) the preceding FRIDAY.
   - Report any delays or changes of scope (i.e., changes in number of samples to be collected, matrix changes, etc.)
   - CALL IF YOU HAVE ANY QUESTIONS

     USEPA Contract Laboratory Program
     Sample Management Office
     P.O. Box 818
     Alexandria, VA 22313
     Phone: (703) 557-2490
     (703) 684-5678
     FAX: (703) 683-0378

EPA

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

Organic Traffic Report & Chain of Custody Record

(For Organic CLP Analysis)

SAS No. (if applicable)

Case No. 19026

1. Project Code	Account Code	2. Region No.	Sampling Co.	4. Date Shipped	Carrier
~~19026~~ CLH 4/28/92		5	PRC	4/28/92	Federal Express

Regional Information: TFA 102

Sampler (Name): C. Hirschman

Airbill Number: 2271398651

Non-Superfund Program

Sampler Signature: C. Hirschman

Site Name: Satralloy

City, State: Steubenville, OH

Site Spill ID: SSIZZ

3. Type of Activity

	Lead	Pre-Remedial	Remedial	Removal
SF	X		RIFS	CLEM
PRP		PA	RD	REMA
ST		SSI X	RA	REM
FED		LSI	O&M	OIL
			NPLD	UST

5. Ship To: Wadsworth/Alert Laboratories, 4101 Shuffel Dr. N.W., North Canton, OH 44720
ATTN: Denise Crison

6. Preservative (Enter in Column D)
1. HCl
2. HNO3
3. $NaHSO_4$
4. H_2SO_4
5. Other (Specify)
6. Ice only
N. Not preserved

7. 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)

CLP Sample Numbers (from labels)	A Enter # from Box 7	B Conc. Low Med High	C Sample Type: Comp./Grab	D Preservative from Box 6	E RAS Analysis VOA	BNA	Pest/PCB	High only ARO/TOX	F Regional Specific Tracking Number or Tag Numbers	G Station Location Number	H Mo/Day/Year/Time Sample Collection	I Sampler Initials	J Corresp. CLP Inorg. Samp. No.	K Enter Appropriate Qualifier for Designated Field QC (B = Blank S = Spike D = Duplicate PE = Perform. Eval. — = Not a QC Sample)
EQK02	5	L	G	N	X				5-046505, 5-046506	SS-2	4/28/92 1530	CLH	MERA02	
EQK02	↓	↓	C	N		X	X		5-046507	SS-2	4/28/92 1450	↓	MERA02	
EQK03	↓	↓	G	N	X				5-046509-5-046510	SS-3	4/28/92 1450	↓	MERA03	
EQK05	↓	↓	G	N	X				5-046517-5-046518	SS-5	4/28/92 1420	↓	MERA05	
EQK06	↓	↓	G	N	X				5-046521, 5-046522	SS-6	4/28/92 1430	↓	MERA06	
EQK07	↓	↓	G	N	X				5-046525, 5-046526	SS-7	4/28/92 1440	↓	MERA07	

Shipment for Case complete? (Y/N) CLH 4/28/92

Page 1 of 2

Sample used for a spike and/or duplicate: EQK02

Additional Sampler Signatures:

Chain of Custody Seal Number: 157429, 157430

CHAIN OF CUSTODY RECORD

Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
Christine Hirschman	4/28/92 1545	Christopher P. Coppel	Christopher P. Coppel	4/28/92 1735	

Relinquished by: (Signature)	Date / Time	Received for Laboratory by: (Signature)	Date / Time	Remarks Is custody seal intact? Y/N/none

Split Samples ☐ Accepted (Signature) ☐ Declined

EPA Form 9110-2 (Rev. 5-91) Replaces EPA Form (2075-7), previous edition which may be used

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SEE REVERSE FOR ADDITIONAL STANDARD INSTRUCTIONS

O 02222

Org-1

Organic Sample Collection Requirements

"This form replaces both the individual Traffic Report and EPA Chain of Custody Record. If the sampling team elects to use an alternative chain-of-custody form, cross out the bottom portion of this record and indicate that chain-of-custody information is recorded on an alternative form."

Water Samples	Required Volume	Container Type
Extractable Analysis (Low Level)	1 Gallon	1 X 4-Liter Amber Glass Bottle OR 2 X 80-oz. Amber Glass Bottle OR 4 X 1-Liter Amber Glass Bottles
Extractable Analysis (Medium Level*)	1 Gallon	32-oz. Wide-Mouth Glass Jars
Volatile Analysis (Low or Medium Level*)	80 ml.	2 X 40-ml. Glass Vials

*All Medium and High Level Samples to be Sealed in Metal Can for Shipment

Soil/Sediment Samples	Required Volume	Container Type
Extractable Analysis (Low or Medium Level*)	6 oz.	1 X 8-oz. Wide-Mouth Glass Jar OR
	240 ml.	2 X 4-oz. Wide-Mouth Glass Jars
Volatile Analysis (Low or Medium Level*)		2 X 120 ml. Wide-Mouth Glass Vials†

†Soil VOA Vials under study, subject to change, check to ensure proper sealing.

HIGH CONCENTRATION SAMPLE COLLECTION REQUIREMENTS

Liquid or Solid Samples	Required Volume	Container Type
Extractable and Volatile Analysis	6 oz.	1 X 8-oz. Wide-Mouth Glass Jar

1. **Organic Sample Collection Requirements**
   - Please indicate sample to spike and/or duplicate.
   - Ship medium and high concentration samples in paint cans.
   - Aqueous samples require one triple-volume sample per twenty for Matrix Spike/Matrix Spike Duplicate.
   - Oily samples must be analyzed under the Special Analytical Services (SAS) program.
   - Confirmatory analysis and Special Analytical Services (SAS) parameters may require extra volume; for SAS consult specified SAS methods for requirements.
   - Additional sample volume not required for method OLC01.

2. **Cooler and Sample Documentation**
   - Complete all sections of the Traffic Report/Chain of Custody Form - Press firmly with a ball point pen to ensure that carbon copies are legible. Check the information and correct any errors.
   - Please remember to complete the Chain of Custody information on the form.
   - Seal the two sets of laboratory Traffic Report/Chain of Custody form copies in a plastic bag. Include a return address for the cooler. Tape bag under cooler lid.
   - Overlap the lid and bottle of each sample container with custody seals.
   - Seal each container in a plastic bag.
   - Pack medium and high concentration samples in metal cans.
   - Cool low waters to 4° C. Cooling of low soils is optional. Do not cool medium or high concentration waters and soils.
   - Separate and surround cooler contents with vermiculite or equivalent packaging.
   - Seal the cooler, overlapping the lid and body with custody seals.
   - FAX SMO a copy of the Traffic Report/Chain of Custody Form as soon as possible. Send SMO the pink copy of the Traffic Report within 5 days.
   - In column E RAS analysis indicate number of sample bottles sent for analysis.

3. **Sample Shipment Reporting**
   - PHONE IN ALL SHIPMENTS IMMEDIATELY TO SMO (or to RSCC, if instructed)
     Required information:
     - Case (and/or SAS) Number
     - Date shipped
     - Number of samples by concentration and matrix
     - Carrier and airbill number
     - Next planned shipment

     Leave your name and a number where you can be reached.
   - Information for SATURDAY DELIVERIES must be phoned in by 3:00 PM (Eastern) the preceding FRIDAY.
   - Report any delays or changes of scope (i.e., changes in number of samples to be collected, matrix changes, etc.)
   - CALL IF YOU HAVE ANY QUESTIONS

     USEPA Contract Laboratory Program
     Sample Management Office
     P.O. Box 818
     Alexandria, VA 22313
     Phone: (703) 557-2490
     (703) 684-5678
     FAX: (703) 683-0378

CONTRACT LABORATORY PROGRAM
COVER SHEET

ADDITIONAL OR DUPLICATE DATA SUBMISSION
(NOT TO BE USED FOR CCS RESPONSES)

✓ Organic _____ Inorganic _____ Dioxin _____ Other(SAS)

Lab Name: WADSWORTH/ALBANY Date: 7/1/92

Case: 19806 SAS: _____ SDG: EQK01

The attached data are being submitted to (check one):

✓ All _____ SMO _____ Region _____ EMSL-LV

For EPA Sample Nos. (enter only those to which these data apply):

EQK01	EQK10
EQK02	EQK11
EQK03	EQK26
EQK04	EQK27
EQK05	EQK28
EQK06	EQK29
EQK07	EQK02MS, EQK02MSD
EQK08	EQK26MS, EQK26MSD
EQK09	

These data supplement the data submitted on : 6/13/92
(State reasons for submission in cover letter)

OR

These data are a duplicate submission, requested by (name, affiliation):

_____

6/87

6A
VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name:WADSWORTH/ALERT Contract:68-D1-0085

Lab Code:WADS Case No.:19026 SAS No.: SDG No.:EQK01

Instrument ID:INCOS50-2 Calibration Date(s): 4/20/92 4/20/92

Heated Purge: (Y/N) N Calibration Times: 0754 1048

GC Column:DB624 ID: 0.53 (mm)

LAB FILE ID: RRF10 =VOL2294 RRF20 =VOL2296
RRF50 =VOL2295 RRF100=VOL2292 RRF200=VOL2291

COMPOUND	RRF10	RRF20	RRF50	RRF100	RRF200	$\overline{RRF}$	% RSD
Chloromethane	0.799	0.884	0.871	0.919	0.838	0.862	5.3
Bromomethane	* 2.621	2.769	2.893	2.958	2.879	2.824	4.7 *
Vinyl Chloride	* 1.428	1.466	1.471	1.461	1.418	1.449	1.7 *
Chloroethane	1.645	1.716	1.851	1.847	1.782	1.768	5.0
Methylene Chloride	1.290	1.255	1.220	1.173	1.152	1.218	4.7
Acetone	0.451	0.332	0.347	0.475	0.303	0.382	20.0
Carbon Disulfide	3.614	3.488	3.675	3.802	4.135	3.743	6.6
1,1-Dichloroethene	* 1.447	1.450	1.478	1.852	2.060	1.657	17.1 *
1,1-Dichloroethane	* 2.580	2.526	2.608	2.527	2.596	2.567	1.5 *
1,2-Dichloroethene (total)	1.333	1.314	1.346	1.305	1.314	1.322	1.3
Chloroform	* 3.238	3.165	3.298	3.268	3.597	3.313	5.0 *
1,2-Dichloroethane	* 2.260	2.317	2.359	2.286	2.593	2.363	5.7 *
2-Butanone	0.586	0.461	0.548	0.673	0.523	0.558	14.1
1,1,1-Trichloroethane	* 0.847	0.819	0.814	0.830	0.861	0.834	2.4 *
Carbon Tetrachloride	* 0.823	0.790	0.812	0.849	0.909	0.837	5.5 *
Bromodichloromethane	* 0.747	0.744	0.773	0.806	0.893	0.793	7.7 *
1,2-Dichloropropane	0.389	0.378	0.384	0.391	0.415	0.391	3.6
cis-1,3-Dichloropropene	* 0.558	0.564	0.588	0.624	0.690	0.605	9.0 *
Trichloroethene	* 0.466	0.456	0.462	0.469	0.514	0.473	4.9 *
Dibromochloromethane	* 0.790	0.780	0.849	0.954	1.189	0.912	18.6 *
1,1,2-Trichloroethane	* 0.374	0.372	0.402	0.431	0.495	0.415	12.3 *
Benzene	* 1.043	1.032	1.060	1.107	1.190	1.086	5.9 *
trans-1,3-Dichloropropene	* 0.522	0.528	0.558	0.605	0.686	0.580	11.7 *
Bromoform	* 0.676	0.692	0.768	0.865	1.027	0.806	17.9 *
4-Methyl-2-Pentanone	0.411	0.414	0.432	0.468	0.445	0.434	5.4
2-Hexanone	0.282	0.268	0.294	0.384	0.335	0.313	15.0
Tetrachloroethene	* 0.525	0.543	0.508	0.514	0.539	0.526	2.9 *
1,1,2,2-Tetrachloroethane	* 0.825	0.796	0.817	0.861	0.865	0.833	3.5 *
Toluene	* 1.077	1.097	1.037	1.063	1.070	1.069	2.0 *
Chlorobenzene	* 1.051	1.049	0.976	1.004	1.017	1.019	3.1 *
Ethylbenzene	* 0.420	0.432	0.416	0.432	0.455	0.431	3.5 *
Styrene	* 0.934	0.988	0.982	1.107	1.264	1.055	12.6 *
Xylene (total)	* 0.558	0.586	0.568	0.620	0.684	0.603	8.5 *
Toluene-d8	1.120	1.063	0.974	1.056	1.084	1.059	5.1
Bromofluorobenzene	* 1.035	0.913	0.925	1.017	1.166	1.011	10.1 *
1,2-Dichloroethane-d4	2.136	2.083	2.064	2.184	2.550	2.203	9.0

* Compounds with required minimum RRF and maximum %RSD values.
All other compounds must meet a minimum RRF of 0.010.

000137

[illegible]

6A
VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name:WADSWORTH/ALERT Contract:68-D1-0085

Lab Code:WADS Case No.:19026 SAS No.: SDG No.:EQK01

Instrument ID:INCOS50-1 Calibration Date(s): 4/29/92 4/29/92

Heated Purge: (Y/N) Y Calibration Times: 1345 1653

GC Column:RTX502.2 ID: 0.53 (mm)

LAB FILE ID: RRF10 =VOI3294 RRF20 =VOI3293
RRF50 =VOI3290 RRF100=VOI3292 RRF200=VOI3291

COMPOUND	RRF10	RRF20	RRF50	RRF100	RRF200	$\overline{RRF}$	% RSD
Chloromethane	1.173	1.518	1.012	1.166	1.448	1.263	16.8
Bromomethane	* 1.461	1.394	1.159	1.375	1.915	1.461	19.0 *
Vinyl Chloride	* 1.459	1.515	1.094	1.378	1.644	1.418	14.5 *
Chloroethane	0.829	0.783	0.611	0.767	1.060	0.810	20.0
Methylene Chloride	1.400	1.313	1.115	1.003	1.238	1.214	13.0
Acetone	0.467	0.470	0.425	0.371	0.390	0.425	10.5
Carbon Disulfide	2.635	2.664	2.518	2.328	2.885	2.606	7.8
1,1-Dichloroethene	* 1.451	1.319	1.152	0.939	1.215	1.215	15.8 *
1,1-Dichloroethane	* 2.047	2.078	1.986	1.711	1.893	1.943	7.6 *
1,2-Dichloroethene (total)	1.546	1.477	1.287	1.103	1.325	1.348	12.9
Chloroform	* 3.243	2.720	2.813	2.545	3.076	2.879	9.7 *
1,2-Dichloroethane	* 2.121	1.965	1.955	1.774	2.217	2.006	8.5 *
2-Butanone	0.661	0.616	0.662	0.807	1.008	0.751	21.4
1,1,1-Trichloroethane	* 0.544	0.513	0.388	0.416	0.438	0.460	14.4 *
Carbon Tetrachloride	* 0.675	0.576	0.503	0.514	0.615	0.577	12.4 *
Bromodichloromethane	* 0.873	0.756	0.709	0.735	0.987	0.812	14.3 *
1,2-Dichloropropane	0.388	0.352	0.338	0.333	0.373	0.357	6.5
cis-1,3-Dichloropropene	* 0.672	0.613	0.596	0.627	0.908	0.683	18.9 *
Trichloroethene	* 0.604	0.554	0.519	0.512	0.528	0.543	6.9 *
Dibromochloromethane	* 1.138	0.866	0.814	0.904	1.059	0.956	14.3 *
1,1,2-Trichloroethane	* 0.551	0.437	0.403	0.430	0.613	0.487	18.6 *
Benzene	* 0.865	0.786	0.757	0.745	0.761	0.783	6.2 *
trans-1,3-Dichloropropene	* 0.686	0.576	0.543	0.585	0.855	0.649	19.6 *
Bromoform	* 1.535	0.993	0.894	1.019	1.241	1.136	22.6 *
4-Methyl-2-Pentanone	0.593	0.610	0.522	0.598	0.778	0.620	15.3
2-Hexanone	0.328	0.334	0.294	0.403	0.566	0.385	28.2
Tetrachloroethene	* 0.661	0.621	0.559	0.570	0.765	0.635	13.1 *
1,1,2,2-Tetrachloroethane	* 1.470	0.954	0.850	0.973	1.042	1.058	22.7 *
Toluene	* 1.152	1.076	1.004	1.016	1.421	1.134	15.1 *
Chlorobenzene	* 1.269	1.056	0.971	1.019	1.077	1.078	10.6 *
Ethylbenzene	* 0.523	0.443	0.417	0.444	0.442	0.454	8.9 *
Styrene	* 1.277	1.026	0.940	0.995	0.953	1.038	13.3 *
Xylene (total)	* 0.733	0.596	0.553	0.582	0.568	0.606	12.0 *
Toluene-d8	1.013	0.943	0.924	0.972	1.337	1.038	16.4
Bromofluorobenzene	* 0.854	0.951	0.781	0.814	1.032	0.886	11.7 *
1,2-Dichloroethane-d4	1.722	1.633	1.622	1.489	1.826	1.658	7.6

* Compounds with required minimum RRF and maximum %RSD values.
All other compounds must meet a minimum RRF of 0.010.

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