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ICM

ICM LABORATORIES
1152 ROUTE 10
RANDOLPH, NJ 07869
201-584-0330
FAX 201-584-0515

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JUL 29 1996

ANALYTICAL DATA REPORT PACKAGE

July 26, 1996

ROY F. WESTON, INC.

RFP-1416

ORGANICS COMPLETE SDG FILE (CSF) INVENTORY SHEET

LABORATORY NAME Industrial Corrosion Mgmt., Inc.
CITY/STATE Randolph, N.J. 07869

CASE NO. _____ SDG NO. RIN1A SDG NOS. TO FOLLOW _____
_____ _____ SAS NO. _____

CONTRACT NO. _____
SOW NO. OLM03.1

All documents delivered in the Complete SDG File must be original documents where possible.

	PAGE NOs FROM	TO	CHECK LAB	EPA
1. Inventory Sheet (Form DC-2) (Do not number)	–	–	✓	
2. SDG Case Narrative	5	5	✓	
3. SDG Cover Sheet/Traffic Report	–	–		
4. Volatiles Data				
a. QC Summary				
System Monitoring Compound Summary (Form II VOA)				
Matrix Spike/Matrix Spike Duplicate Summary (Form III VOA)				
Method Blank Summary (Form IV VOA)				
GC/MS Instrument Performance Check (Form V VOA)				
Internal Standard Area and RT Summary (Form VIII VOA)				
b. Sample Data				
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)				
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				
Blank Data				
Matrix Spike/Matrix Spike Duplicate Data				

ORGANICS COMPLETE SDG FILE (CSF) INVENTORY SHEET (Cont.)

CASE NO. _____ SDG NO. RIN1A SDG NOS. TO FOLLOW _____
_____ _____ SAS NO. _____

	PAGE NOs FROM	TO	CHECK LAB	EPA
5. Semivolatiles Data				
a. QC Summary				
Surrogate Percent Recovery Summary (Form II SV)				
MS/MSD Summary (Form III SV)				
Method Blank Summary (Form IV SV)				
GC/MS Instrument Performance Check (Form V SV)				
Internal Standard Area and RT Summary (Form VIII SV)				
b. Sample Data				
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)				
c. Standards Data (All Instruments)				
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				
d. Raw QC Data				
DFTPP				
Blank Data				
Matrix Spike/Matrix Spike Duplicate Data				
e. Raw GPC Data				
6. Pesticides				
a. QC Summary				
Surrogate Percent Recovery Summary (Form II PEST)	6	10	✓	
MS/MSD Duplicate Summary (Form III PEST)	11	13	✓	
Method Blank Summary (Form IV PEST)	14	17	✓	

ORGANICS COMPLETE SDG FILE (CSF) INVENTORY SHEET (Cont.)

CASE NO. _____ SDG NO. RIM1A SDG NOS. TO FOLLOW _____
_____ _____ SAS NO. _____

	PAGE NOs FROM	TO	CHECK LAB	EPA
Pesticides (Cont.)				
b. Sample Data	18	607		
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			✓	
For pesticides/Aroclors confirmed by GC/MS, copies of raw spectra and copies of background-subtracted mass spectra of target compounds (samples & standards)			✓	
c. Standards Data	608	1362		
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)			✓	
Performance Evaluation Mixture (Form VI PEST-5)			✓	
Individual Standard Mixture A (Form VI PEST-6)			✓	
Individual Standard Mixture B (Form VI PEST-7)			✓	
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			✓	
d. Raw QC Data				
Blank Data	1363	1790	✓	
Matrix Spike/Matrix Spike Duplicate Data	1791	1846	✓	

ORGANICS COMPLETE SDG FILE (CSF) INVENTORY SHEET (Cont.)

CASE NO. _____ SDG NO. RIN1A SDG NOS. TO FOLLOW _____
_____ _____ SAS NO. _____

	PAGE NOs FROM	TO	CHECK LAB	EPA
6. **Pesticides** (Cont.)				
e. Raw GPC Data	1847	1911	✓	
f. Raw Florisil Data	1912	1932	✓	
7. **Miscellaneous Data**				
Original preparation and analysis forms or copies of preparation and analysis logbook pages	1933	1964	✓	
Internal sample and sample extract transfer chain-of-custody records				
Screening records				
All instrument output, including strip charts from screening activities (describe or list)				
8. **EPA Shipping/Receiving Documents**				
Airbills (No. of shipments ___)				
Chain-of-Custody Records	1	3	✓	
Sample Tags				
Sample Log-In Sheet (Lab & DCI)				
Miscellaneous Shipping/Receiving Records (describe or list)				
9. **Internal Lab Sample Transfer Records and Tracking Sheets** (describe or list)				
Internal C-of-C	4	4	✓	
10. **Other Records** (describe or list)				
Telephone Communication Log				

ORGANICS COMPLETE SDG FILE (CSF) INVENTORY SHEET (Cont.)

CASE NO.	SDG NO. RI N1A	SDG NOS. TO FOLLOW
	SAS NO.	

11. Comments:

Completed by: (CLP Lab)	Paula Kolenos Blaze (Signature)	Paula L. Kolenos Blaze / QA Mgr. (Printed Name/Title)	7/25/96 (Date)
Verified by: (CLP Lab)	Donna L. Basile (Signature)	Donna L. Basile / Alt. DCO (Printed Name/Title)	7/26/96 (Date)
Audited by: (EPA)	(Signature)	(Printed Name/Title)	(Date)

FULL INORGANICS COMPLETE SDG FILE (CSF) INVENTORY SHEET

LABORATORY NAME Industrial Corrosion Mgmt., Inc.
CITY/STATE Randolph, N.J. 07869

CASE NO. _____ SDG NO. RIN1
SDG NOS. TO FOLLOW _____ _____ _____
SAS NO. _____

CONTRACT NO. _____
SOW NO. ILM04.0

All documents delivered in the Complete SDG File must be original documents where possible. (Reference Exhibit B, Section II F and Section III U.)

		Page Nos. From	Page Nos. To	(Please Check:) Lab	(Please Check:) Region
1.	Inventory Sheet (DC-2) (Do not number)			✓	
2.	Cover Page	1965	1966	✓	
3.	Inorganic Analysis Data Sheet (Form I-IN)	1967	1993	✓	
4.	Initial & Continuing Calibration Verification (Form IIA-IN)	1994	2000	✓	
5.	CRDL Standards For AA and ICP (Form IIB-IN)	2001	2006	✓	
6.	Blanks (Form III-IN)	2007	2011	✓	
7.	ICP Interference Check Sample (Form IV-IN)	2012	2017	✓	
8.	Spike Sample Recovery (Form VA-IN)	2018	2020	✓	
9.	Post Digest Spike Sample Recovery (Form VB-IN)	NA	NA	NA	
10.	Duplicates (Form VI-IN)	2021	2023	✓	
11.	Laboratory Control Sample (Form VII-IN)	2024	2026	✓	
12.	Standard Addition Results (Form VIII-IN)	NA	NA	NA	
13.	ICP Serial Dilutions (Form IX-IN)	2027	2030	✓	
14.	Instrument Detection Limits (Form X-IN)	2031	2032	✓	
15.	ICP Interelement Correction Factors (Form XIA-IN)	2033	2033	✓	
16.	ICP Interelement Correction Factors (Form XIB-IN)	2034	2035	✓	
17.	ICP Linear Ranges (Form XII-IN)	2036	2036	✓	
18.	Preparation Log (Form XIII-IN)	2037	2040	✓	
19.	Analysis Run Log (Form XIV-IN)	2041	2047	✓	
20.	ICP Raw Data	2048	2200	✓	
21.	Furnace AA Raw Data	NA	NA	NA	
22.	Mercury Raw Data	2201	2211	✓	
23.	Cyanide Raw Data	NA	NA	NA	
24.	Preparation Logs Raw Data	2212	2229	✓	
25.	Percent Solids Determination Log	1938	1939	✓	

		Page Nos. From	Page Nos. To	(Please Check:) Lab	(Please Check:) Region
26.	Traffic Report	NA	NA	NA	
27.	EPA Shipping/Receiving Documents	NA	NA	NA	
	Airbill (No. of Shipments ____)	NA	NA	NA	
	Chain-of-Custody Records	1	3	✓	
	Sample Tags	NA	NA	NA	
	Sample Log-in Sheet (Lab & DCI)	NA	NA	NA	
	SDG Cover Sheet	NA	NA	NA	
28.	Misc. Shipping/Receiving Records (list all individual records)				
	Telephone Logs	NA	NA	NA	
	—				
	—	—	—	—	
29.	Internal Lab Sample Transfer Records & Tracking Sheets (describe or list)	4	4	✓	
	Internal Chain of Custody	4	4	✓	
	—	—	—	—	
30.	Internal Original Sample Prep & Analysis Records (describe or list)				
	Prep Records	NA	NA	NA	
	Analysis Records	NA	NA	NA	
	Description	NA	NA	NA	
31.	Other Records (describe or list)				
	Telephone Communications Log	NA	NA	NA	
	TOC Results, QA Data, Raw Data	2230	2235	✓	
	—	—	—	—	

32. Comments:

Completed by (CLP Lab):

Donna L Basile — (Signature)

Donna L Basile/AH. DCO — (Print Name & Title)

7/26/96 — (Date)

Audited by (EPA):

(Signature) (Print Name & Title) (Date)

1063

RFP No.: 1416

PO No.: 65625

CHAIN OF CUSTODY RECORD

The Laboratory should send verbal and written results to the attention of Smita Sumbaly, START Analytical Coordinator

Matrix Box No. 6:	Preservative Box No. 7:
1. Surface Water	1. HCl
2. Ground Water	2. HN03
3. Leachate	3. Na2SO4
4. Rinsate	4. H2SO4
5. Soil/Sediment	5. Other (Specify)
6. Oil	6. Ice Only
7. Waste	N. Not Preserved
8. Other (Specify)	

Name of Unit and Address: WESTON MANAGERS DESIGNERS/CONSULTANTS Suite 201, 1090 King Georges Post Road, Edison, New Jersey 08837-3703 Phone: 908-225-6116 Fax: 908-225-7037

Sample Number	Sample Collection MM/DD/YY/Time	Sample Matrix (Enter box 6 #)	Sample Conc. L/M/H	Sample Type C / G	Sample Preservat'n (Enter #s from box 7)	RAS ANALYSIS VOA	BNA	PEST	PCBs	TAL *	CN	RCRA ANALYSIS IGN	COR	REAC	TPH	OTHER
S1	6/27/96 950	5	L/m	G	6				X	X		238535				Cd, CR, Pb Hg Ag ms/msD
SS1	6/27/96 1000	5	L/m	G	6				X	X		238536				Cd CR Pb Hg Ag ms/msD
S2	6/27/96 1010	5	L/m	G	6				X	X		238537				Cd CR Pb Hg Ag
SS2	6/27/96 1020	5	L/m	G	6				X	X		238538				Cd CR Pb Hg Ag
S3	6/27/96 1030	5	L/m	G	6				X	X		238539				Cd, CR, Pb Hg Ag
SS3	6/27/96 1040	5	L/m	G	6				X	X		238540				Cd CR Pb Hg Ag
S4	6/27/96 1045	5	L/m	G	6				X	X		238541				Cd, CR, Pb, Hg
SS4	6/27/96 1055	5	L/m	G	6				X	X		238542				Cd CR Pb Hg Ag
CDE RIN 1	6/27/96 1145	4	L	G	6				X			238543				TCL PCB
CDE RIN 1	6/27/96 1145	4	L	C	2.6					X		238544				CD CR, Pb Hg Ag
S5	6/27/96 1335	5	L/m	G	6				X	X		238545				Cd CR Pb Hg Ag
SS5	6/27/96 1340	5	L/m	G	6				X	X		238546				Cd, CR, Pb, Hg Ag
S6	6/27/96 1350	5	L/m	G	6				X	X		238547				Cd CR Pb Hg Ag

Person Assuming Responsibility for Sample: Jennifer Leahy — Time: 1700 — Date (MM/DD/YY): 6/27/96

Sample Number	Relinquished By:	Time	Date (MM/DD/YY)	Received By:	Reason for Change of Custody
All	Jennifer Leahy	1130	6/27/96	Swamy S. Tetha	Deliver to Lab
Sample Number	Relinquished By:	Time	Date (MM/DD/YY)	Received By:	Reason for Change of Custody
ALL	Swamy S. Tetha	1050	6/28/96	Denise G. Kellin	RECEIPT AT LAB
Sample Number	Relinquished By:	Time	Date (MM/DD/YY)	Received By:	Reason for Change of Custody

Roy F. Weston, Inc.
FEDERAL PROGRAMS DIVISION
In Association with Resource Applications, Inc., R.E. Sarriera Associates, PRC Environmental Management.

27°C

RFP No.: 1416

PO No.: 65625

CHAIN OF CUSTODY RECORD

The Laboratory should send verbal and written results to the attention of Smita Sumbaly, START Analytical Coordinator

Matrix Box No. 6:	Preservative Box No. 7:
1. Surface Water	1. HCl
2. Ground Water	2. HN03
3. Leachate	3. Na2SO4
4. Rinsate	4. H2SO4
5. Soil/Sediment	5. Other (Specify)
6. Oil	6. Ice Only
7. Waste	N. Not Preserved
8. Other (Specify)	

Name of Unit and Address: WESTON MANAGERS DESIGNERS/CONSULTANTS Suite 201, 1090 King Georges Post Road, Edison, New Jersey 08837-3703 Phone: 908-225-6116 Fax: 908-225-7037

Sample Number	Sample Collection MM/DD/YY/Time	Sample Matrix (Enter box 6 #)	Sample Conc. L/M/H	Sample Type C / G	Sample Preservat'n (Enter # from box 7)	RAS ANALYSIS VOA	BNA	PEST	PCBs	TAL	CN	RCRA ANALYSIS IGN	COR	REAC	TPH	OTHER
SS6	6/27/96 1400	5	4m	G	6				X	X		238548				Cd, CR, Pb, Hg Ag
S26	6/27/96 1350	5	4/m	G	6				X	X		238549				Cd CR, Pb Hg Ag
SS26	6/27/96 1400	5	4/m	G	6				X	X		238550				Cd, CR, Pb, Hg Ag
S7	6/27/96 1415	5	4/m	G	6				X	X		238551				Cd CR Pb Hg Ag
SS7	6/27/96 1425	5	4/m	G	6				X	X		238552				Cd Cr, Pb Hg Ag
SED 4	6/27/96 1520	5	4/m	G	6				X	X						Cd Cr Pb Hg Ag
S8	6/27/96 1525	5	4m	G	6				X	X		238553				Cd CR Pb Hg Ag
SS8	6/27/96 1530	5	4/m	G	6				X	X		238554				Cd CR Pb Hg Ag
S9	6/27/96 1535	5	4/m	G	6				X	X		238555				Cd CR Pb Hg Ag
SS9	6/27/96 1540	5	4/m	G	6				X	X		238556				Cd CR Pb Hg Ag
S10	6/27/96 1545	5	4m	G	6				X	X		238557				Cd CR Pb Hg Ag
SS10	6/27/96 1550	5	4m	G	6				X	X		238558				Cd Cr Pb Hg Ag
S11	6/27/96 1600	5	4/m	G	6				X	X		238559				Cd CR, Pb Hg Ag

Person Assuming Responsibility for Sample: Jennifer Leahy — Time: 1700 — Date (MM/DD/YY): 6/27/96

Sample Number	Relinquished By:	Time	Date (MM/DD/YY)	Received By:	Reason for Change of Custody
All	Jennifer Leahy	1730	6/27/96	Swamy S. Jetha	Deliver to Lab.
All	Swamy S. Jetha	1050	6/28/96	Denise G. Kelly	RECEIPT AT LAB

Roy F. Weston, Inc.
FEDERAL PROGRAMS DIVISION
In Association with Resource Applications, Inc., R.E. Sarriera Associates, PRC Environmental Management.

27°C

RFP No.: 1416

PO No.: 65625

CHAIN OF CUSTODY RECORD

The Laboratory should send verbal and written results to the attention of Smita Sumbaly, START Analytical Coordinator

Matrix Box No. 6:	Preservative Box No. 7:
1. Surface Water	1. HCl
2. Ground Water	2. HN03
3. Leachate	3. Na2SO4
4. Rinsate	4. H2SO4
5. Soil/Sediment	5. Other (Specify)
6. Oil	6. Ice Only
7. Waste	N. Not Preserved
8. Other (Specify)	

Name of Unit and Address: WESTON MANAGERS DESIGNERS/CONSULTANTS

Suite 201
1090 King Georges Post Road, Edison, New Jersey 08837-3703
Phone: 908-225-6116 Fax: 908-225-7037

Sample Number	Sample Collection MM/DD/YY/Time	Sample Matrix (Enter box 6 #)	Sample Conc. L/M/H	Sample Type C/G	Sample Preservat'n (Enter #s from box 7)	RAS ANALYSIS VOA	BNA	PEST	PCBs	TAL *	CN	RCRA ANALYSIS IGN	COR	REAC	TPH	OTHER
SS11	6/27/96 1610	5	L/M	G	6				X	X		238560				Cd CR Pb Hg Ag
S12	6/27/96 1700	5	L/M	G	6				X	X		238561				Cd CR Pb Hg Ag
SS12	6/27/96 1710	5	L/M	G	6				X	X		238562				Cd CR Pb Hg Ag
SED4	6/27/96 1520	5	L/M	G	6							238563				TOC, Grain size

Person Assuming Responsibility for Sample: Jennifer Healey

Time: 1720 Date (MM/DD/YY): 6/27/96

Sample Number	Relinquished By:	Time	Date (MM/DD/YY)	Received By:	Reason for Change of Custody
All	J Healey	1730	6/27/96	Swamy S. Ketha	Deliver to Lab.
All	Swamy S. Ketha	1050	6/28/96	Denise G. Keller	RECEIPT AT LAB

Roy F. Weston, Inc.
FEDERAL PROGRAMS DIVISION
In Association with Resource Applications, Inc., R.E. Sarriera Associates, PRC Environmental Management.

2.7°C

ICM Laboratories, Inc.
Internal Chain-of-Custody

LINK: 238535-238563

Account number: WA2513 ROY F. WESTON, INC.
Project: RFP-1416
Tier Level: CLP

Laboratory Person Breaking Seal on Shuttle: Denise B. Keller
Title: SMS

Lab Number	Relinq. By	Recd. By	Date	Time	Reason for Transfer	Aliquot ID
ALL	MK	DS	06/28/96	1225	STORAGE	ALL
563	DS	VN	7/1/96	915	TOC	SU1
563	VN	DS	7/1/96	1000	GRAIN SIZE/SUBC	SU2
563			7/1/96	1500	STORAGE	SU1
535-562	DS		7/2/96	1700	PCB	SU1, U1 (543)
535,562		DS	7/9/96	1700	STORAGE	SU1, U1
535-562	DS		7/8/96	930	METALS	SU2
535-562		DS	7/9/96	1500	STORAGE	SU2
~~541~~	~~DS~~	~~DS~~	~~7/8/96~~	~~2000~~	~~8240/depleted~~	~~HV~~ DMK 7/8/96

SDG NARRATIVE

LABORATORY NAME: Industrial Corrosion Management, Inc.
LOCATION: 1152 Route 10, Randolph, NJ 07869
CASE NAME: Roy F. Weston, Inc.
CASE NUMBER: RFP No. 1416
SDG NUMBER: RIN1A

Pesticides/PCBs:

1. Column utilized for Pesticide/PCB analysis: J&W Scientific DB608 30m x 0.53 ID, 0.83 um film thickness and J&W Scientific DB1701 30m x 0.53 ID, 1.0 um film thickness

2. The following symbols will be used on the Pesticides/PCBs chromatograms:

OW = outside window
NP = No pattern of multicomponent compounds
<0.5 CRQL = Less than the CRQL value
NC = Not confirmed
NT = Non-targeted compound

3. Due to software limitations, the following samples could not be reported as part of the analytical sequence on FORM VIII PEST: GPC BLK, GPC PEST, GPC PCB,

4. Form 2F: Surrogate recoveries for a number of samples were outside QC limits or had 0% recovery. This is due to the high concentration of Aroclor in the samples and the high dilutions needed to get the Aroclor within chromatographic criteria.

5. Form 3F: MS/MSD recoveries for a number of spike compounds were outside QC limits due to the high concentration of Aroclor present in the sample. As per the SOW these limits are advisory and no further action is required.

6. PIBLK15 did not transfer from the GC instrument to the computer, therefore no data can be submitted for this sample. PIBLK16 ran directly after PIBLK15, and data is submitted for this sample.

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

Richard S. Levine
Laboratory Manager

Date

2E
WATER PESTICIDE SURROGATE RECOVERY

Lab Name: ICM Contract:

Lab Code: ICM Case No.: SAS No.: SDG No.: RIN1A

GC Column(1): DB608 ID: .53 (mm) GC Column(2): DB1701 ID: .53 (mm)

	EPA SAMPLE NO.	TCX 1 %REC #	TCX 2 %REC #	DCB 1 %REC #	DCB 2 %REC #	OTHER (1)	OTHER (2)	TOT OUT
01	PIBLK01	99	100	108	105			0
02	PIBLK02	99	100	107	104			0
03	PIBLK03	100	102	93	91			0
04	PIBLK04	101	101	112	104			0
05	PIBLK05	99	99	91	97			0
06	PIBLK06	87	99	92	96			0
07	PBLK34	83	87	87	83			0
08	RIN1A	89	88	114	112			0
09	RIN1AMS	95	97	82	81			0
10	RIN1AMSD	98	100	92	91			0
11	PIBLK07	102	101	104	102			0
12	PIBLK08	100	101	80	71			0
13	PIBLK09	101	101	96	79			0
14	PIBLK10	102	101	81	86			0
15	PIBLK11	104	101	102	98			0
16	PIBLK12	102	102	100	101			0
17	PIBLK13	104	104	104	103			0
18	PIBLK14	105	103	100	102			0
19	PIBLK16	99	99	87	94			0
20	PIBLK17	99	98	102	100			0
21	PIBLK18	103	103	105	106			0
22	PIBLK19	95	100	82	70			0
23	PIBLK20	98	100	87	88			0
24								
25								
26								
27								
28								

QC LIMITS

TCX = Tetrachloro-m-xylene (30-150)
DCB = Decachlorobiphenyl (30-150)

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

2E
WATER PESTICIDE SURROGATE RECOVERY

Lab Name: ICM Contract:

Lab Code: ICM Case No.: SAS No.: SDG No.: RIN1A

GC Column(1): DB608 ID: .53 (mm) GC Column(2): DB1701 ID: .53 (mm)

	EPA SAMPLE NO.	TCX 1 %REC #	TCX 2 %REC #	DCB 1 %REC #	DCB 2 %REC #	OTHER (1)	OTHER (2)	TOT OUT
01	PIBLK01	100	101	106	104			0
02	PIBLK02	101	101	101	99			0
03	PIBLK03	100	102	103	103			0
04	PIBLK04	100	100	102	103			0
05	PIBLK05	101	101	105	103			0
06	PIBLK06	101	100	100	101			0
07	PIBLK07	101	101	104	102			0
08	PIBLK09	100	101	94	95			0
09	PIBLK10	101	101	100	103			0
10	PIBLK11	102	102	102	99			0
11	PIBLK12	102	103	107	107			0
12	PIBLK13	103	102	105	112			0
13	PIBLK14	102	101	86	100			0
14	PIBLK15	103	102	94	99			0
15	PIBLK16	109	108	108	107			0
16	PIBLK17	112	109	97	102			0
17								
18								
19								
20								
21								
22								
23								
24								
25								
26								
27								
28								

QC LIMITS

TCX = Tetrachloro-m-xylene (30-150)
DCB = Decachlorobiphenyl (30-150)

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

2F
SOIL PESTICIDE SURROGATE RECOVERY

Lab Name: ICM Contract:

Lab Code: ICM Case No.: SAS No.: SDG No.: RIN1A

GC Column(1): DB608 ID: .53 (mm) GC Column(2): DB1701 ID: .53 (mm)

	EPA SAMPLE NO.		TCX 1 %REC #	TCX 2 %REC #	DCB 1 %REC #	DCB 2 %REC #	OTHER (1)	OTHER (2)	TOT OUT
01	PBLK31		87	89	94	95			0
02	S3		65	76	72	73			0
03	SS3		75	86	55	82			0
04	S2	DL	113	120	291 *	150			1
05	SS2	DL	148	148	34	124			0
06	S3	DL	97	90	101	103			0
07	S4	DL	31	44	123	56			0
08	SS4	DL	111	108	136	112			0
09	S5	DL	0 D	0 D	0 D	0 D			0
10	SS6	DL	0 D	0 D	0 D	0 D			0
12	SS26	DL	0 D	0 D	0 D	0 D			0
13	S7	DL	112	120	0 *	77			1
14	S8	DL	154 *	216 *	0 D	252 *			3
15	SS8	DL	100	157 *	116	115			1
16	SS9	DL	111	152 *	144	131			1
17	S10	DL	26 *	27 *	63	37			2
18	SS5	DL	0 D	0 D	0 D	0 D			0
19	S1	DL	63	59	129	70			0
20	S26	DL	0 D	0 D	0 D	0 D			0
21	SS7	DL	86	87	112	126			0
22	S9	DL	113	194 *	0 D	196 *			2
23	S1		56	54	84	64			0
24	S2		78	76	293 *	142			1
25	S4		41	32	98	53			0
26	SS2		108	99	225 *	175 *			2
27	SS4		93	85	114	103			0
28	S5		104	98	0 D	0 D			0
29	SS5		192 *	0 *	0 D	0 D			2
30	S6		328 *	337 *	0 D	0 D			2

QC LIMITS

TCX = Tetrachloro-m-xylene (30-150)
DCB = Decachlorobiphenyl (30-150)

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

2F
SOIL PESTICIDE SURROGATE RECOVERY

Lab Name: ICM Contract:

Lab Code: ICM Case No.: SAS No.: SDG No.: RIN1A

GC Column(1): DB608 ID: .53 (mm) GC Column(2): DB1701 ID: .53 (mm)

	EPA SAMPLE NO.	TCX 1 %REC #	TCX 2 %REC #	DCB 1 %REC #	DCB 2 %REC #	OTHER (1)	OTHER (2)	TOT OUT
01	SS6	272 *	249 *	0 D	0 D			0
02	S26	383 *	361 *	0 D	0 D			0
03	SS26	221 *	240 *	0 D	0 D			0
04	S8	102	156 *	0 D	0 D			0
05	S7	113	85	0 D	0 D			0
06	S9	100	157 *	0 D	0 D			0
07	S1 MS	53	55	0 *	70			1
08	S1 MSD	50	55	89	64			0
09	S6 DL	0 D	0 D	0 D	0 D			0
10								
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								
21								
22								
23								
24								
25								
26								
27								
28								
29								
30								

QC LIMITS

TCX = Tetrachloro-m-xylene (30-150)
DCB = Decachlorobiphenyl (30-150)

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

2F
SOIL PESTICIDE SURROGATE RECOVERY

Lab Name: ICM Contract:

Lab Code: ICM Case No.: SAS No.: SDG No.: RIN1A

GC Column(1): DB608 ID: .53 (mm) GC Column(2): DB1701 ID: .53 (mm)

	EPA SAMPLE NO.	TCX 1 %REC #	TCX 2 %REC #	DCB 1 %REC #	DCB 2 %REC #	OTHER (1)	OTHER (2)	TOT OUT
01	PBLK32	70	78	84	85			0
02	S12	227 *	0 D	110	0 D			1
03	SS1 DL	112	109	53	92			0
04	SS10 DL	107	82	156 *	143			1
05	S11 DL	139	131	176 *	130			1
06	SS12 DL	64	116	64	41			1
07	SS11 DL	187 *	238 *	0 D	93			2
08	SS1	81	79	119	101			0
09	SS10	91	82	169 *	143			1
10	S11	76	131	144	130			0
11	SS12	49	90	45	58			0
12	S12	160 *	86	0 *	271 *			3
13	SS1 MS	30	32	38	33			0
14	SS1 MSD	88	83	132	116			0
15	SS7	81	91	97	95			0
16	SS9	77	128	98	106			0
17	S10	25 *	22 *	48	32			2
18	SS11	110	238 *	77	93			1
19	SS8	70	128	81	86			0
20								
21								
22								
23								
24								
25								
26								
27								
28								
29								

QC LIMITS

TCX = Tetrachloro-m-xylene (30-150)
DCB = Decachlorobiphenyl (30-150)

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

3E

WATER PESTICIDE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: ICM Contract:

Lab Code: ICM Case No.: SAS No.: SDG No.: RIN1A

Matrix Spike - EPA Sample No.: RIN1A

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC #	QC LIMITS REC.
gamma-BHC (Lindane)	.50	.00	.37	74	56-123
Heptachlor	.50	.00	.45	90	40-131
Aldrin	.50	.00	.41	82	40-120
Dieldrin	1.00	.00	.92	92	52-126
Endrin	1.00	.00	.93	93	56-121
4,4'-DDT	1.00	.00	.89	89	38-127

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
gamma-BHC (Lindane)	.50	.38	76	3	15	56-123
Heptachlor	.50	.47	94	4	20	40-131
Aldrin	.50	.43	86	5	22	40-120
Dieldrin	1.00	.95	95	3	18	52-126
Endrin	1.00	.96	96	3	21	56-121
4,4'-DDT	1.00	.91	91	2	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:

3F

SOIL PESTICIDE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: ICM Contract:

Lab Code: ICM Case No.: SAS No.: SDG No.: RIN1A

Matrix Spike - EPA Sample No.: SS1 Level:(low/med) LOW

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC #	QC LIMITS REC.
gamma-BHC (Lindane)	18.00	.00	2.90	16 *	46-127
Heptachlor	18.00	.00	4.00	22 *	35-130
Aldrin	18.00	.00	29.00	161 *	34-132
Dieldrin	36.00	.00	94.00	261 *	31-134
Endrin	36.00	.00	310.00	861 *	42-139
4,4'-DDT	36.00	.00	13.00	36	23-134

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
gamma-BHC (Lindane)	18.00	9.40	52	106 *	50	46-127
Heptachlor	18.00	23.00	128	141 *	31	35-130
Aldrin	18.00	98.00	544 *	109 *	43	34-132
Dieldrin	36.00	270.00	750 *	97 *	38	31-134
Endrin	36.00	890.00	2472 *	97 *	45	42-139
4,4'-DDT	36.00	50.00	139 *	118 *	50	23-134

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

* Values outside of QC limits

RPD: 6 out of 6 outside limits
Spike Recovery: 9 out of 12 outside limits

COMMENTS:

3F

SOIL PESTICIDE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: ICM Contract:

Lab Code: ICM Case No.: SAS No.: SDG No.: RIN1A

Matrix Spike - EPA Sample No.: S1 Level:(low/med) LOW

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC #	QC LIMITS REC.
gamma-BHC (Lindane)	17.00	.00	5.10	30 *	46-127
Heptachlor	17.00	.00	3.00	18 *	35-130
Aldrin	17.00	.00	15.00	88	34-132
Dieldrin	33.00	.00	53.00	161 *	31-134
Endrin	33.00	.00	160.00	485 *	42-139
4,4'-DDT	33.00	.00	17.00	52	23-134

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
gamma-BHC (Lindane)	17.00	5.10	30 *	0	50	46-127
Heptachlor	17.00	3.60	21 *	15	31	35-130
Aldrin	17.00	14.00	82	7	43	34-132
Dieldrin	34.00	51.00	150 *	7	38	31-134
Endrin	34.00	160.00	471 *	3	45	42-139
4,4'-DDT	34.00	25.00	74	35	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: 8 out of 12 outside limits

COMMENTS:

4C
PESTICIDE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PBLK34

Lab Name: ICM Contract:

Lab Code: ICM Case No.: SAS No.: SDG No.: RIN1A

Lab Sample ID: PBLK34 Lab File ID: 03150

Matrix:(soil/water) WATER Extraction:(SepF/Cont/Sonc) SONC

Sulfur Cleanup: (Y/N) N Date Extracted: 07/03/96

Date Analyzed (1): 07/06/96 Date Analyzed (2): 07/06/96

Time Analyzed (1): 13:35 Time Analyzed (2): 13:35

Instrument ID (1): 5890 3 Instrument ID (2): 5890 3

GC Column (1): DB608 ID: .53 (mm) GC Column (2): DB1701 ID: .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	RIN1A	238543	07/06/96	07/06/96
02	RIN1AMS	238543	07/06/96	07/06/96
03	RIN1AMSD	238543	07/06/96	07/06/96
04				
05				
06				
07				
08				
09				
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COMMENTS:

Page 1 of 1

4C
PESTICIDE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PBLK31

Lab Name: ICM Contract:

Lab Code: ICM Case No.: SAS No.: SDG No.: RIN1A

Lab Sample ID: PBLK31 Lab File ID: 03157

Matrix:(soil/water) SOIL Extraction:(SepF/Cont/Sonc) SONC

Sulfur Cleanup: (Y/N) N Date Extracted: 07/03/96

Date Analyzed (1): 07/06/96 Date Analyzed (2): 07/06/96

Time Analyzed (1): 20:14 Time Analyzed (2): 20:14

Instrument ID (1): 5890 3 Instrument ID (2): 5890 3

GC Column (1): DB608 ID: .53 (mm) GC Column (2): DB1701 ID: .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	S3		238539	07/07/96	07/07/96
02	SS3		238540	07/07/96	07/07/96
03	S2	DL	238537	07/09/96	07/09/96
04	SS2		238538	07/09/96	07/09/96
05	S3	DL	238539	07/09/96	07/09/96
06	S4	DL	238541	07/09/96	07/09/96
07	SS4	DL	238542	07/09/96	07/09/96
08	S5	DL	238545	07/09/96	07/09/96
09	SS6	DL	238548	07/10/96	07/10/96
10	SS26	DL	238550	07/10/96	07/10/96
11	S7	DL	238551	07/10/96	07/10/96
12	S8	DL	238553	07/10/96	07/10/96
13	SS8	DL	238554	07/10/96	07/10/96
14	SS9	DL	238556	07/10/96	07/10/96
15	S10	DL	238557	07/10/96	07/10/96
16	SS5	DL	238546	07/10/96	07/10/96
17	S1	DL	238535	07/10/96	07/10/96
18	S26		238549	07/10/96	07/10/96
19	SS7	DL	238552	07/10/96	07/10/96
20	S9	DL	238555	07/10/96	07/10/96
21	S1		238535	07/11/96	07/11/96
22	S2		238537	07/11/96	07/11/96
23	S4		238541	07/11/96	07/11/96
24	SS2	DL	238538	07/11/96	07/11/96
25	SS4		238542	07/11/96	07/11/96
26	S5		238545	07/12/96	07/12/96
27	SS5		238546	07/12/96	07/12/96
28	S6		238547	07/12/96	07/12/96
29	SS6		238548	07/12/96	07/12/96
30	S26		238549	07/12/96	07/12/96
31	SS26		238550	07/12/96	07/12/96
32	S8		238553	07/12/96	07/12/96
33	S7		238551	07/12/96	07/12/96
34	S9		238555	07/12/96	07/12/96
35	S1	MS	238535	07/12/96	07/12/96
36	S1	MSD	238535	07/12/96	07/12/96

37	S6	DL	238547	07/12/96	07/12/96
38	SS7		238552	07/22/96	07/22/96
39	SS9		238556	07/22/96	07/22/96
40	S10		238557	07/22/96	07/22/96
41	SS8		238554	07/22/96	07/22/96

COMMENTS:

FORM IV PEST OLM03.0

4C
PESTICIDE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PBLK32

Lab Name: ICM Contract:

Lab Code: ICM Case No.: SAS No.: SDG No.: RIN1A

Lab Sample ID: PBLK32 Lab File ID: 03313

Matrix:(soil/water) SOIL Extraction:(SepF/Cont/Sonc) SONC

Sulfur Cleanup: (Y/N) N Date Extracted: 07/03/96

Date Analyzed (1): 07/14/96 Date Analyzed (2): 07/14/96

Time Analyzed (1): 06:11 Time Analyzed (2): 06:12

Instrument ID (1): 5890 3 Instrument ID (2): 5890 3

GC Column (1): DB608 ID: .53 (mm) GC Column (2): DB1701 ID: .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	S12 DL	238561	07/14/96	07/14/96
02	SS1 DL	238536	07/14/96	07/14/96
03	SS10 DL	238558	07/14/96	07/14/96
04	S11 DL	238559	07/14/96	07/14/96
05	SS12 DL	238562	07/15/96	07/15/96
06	SS11 DL	238560	07/15/96	07/15/96
07	SS1	238536	07/15/96	07/15/96
08	SS10	238558	07/15/96	07/15/96
09	S11	238559	07/15/96	07/15/96
10	SS12	238562	07/17/96	07/17/96
11	S12	238561	07/17/96	07/17/96
12	SS1 MS	238536	07/17/96	07/17/96
13	SS1 MSD	238536	07/17/96	07/17/96
14	SS11	238560	07/22/96	07/22/96
15				
16				
17				
18				
19				
20				
21				
22				
23				
24				
25				
26				

COMMENTS:

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1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

RIN1A

Lab Name: ICM Contract:

Lab Code: ICM Case No.: SAS No.: SDG No.: RIN1A

Matrix: (soil/water) WATER Lab Sample ID: 238543

Sample wt/vol: 1000.0 (g/mL) ML Lab File ID: 03151

% Moisture: _____ decanted: (Y/N)___ Date Received: 06/28/96

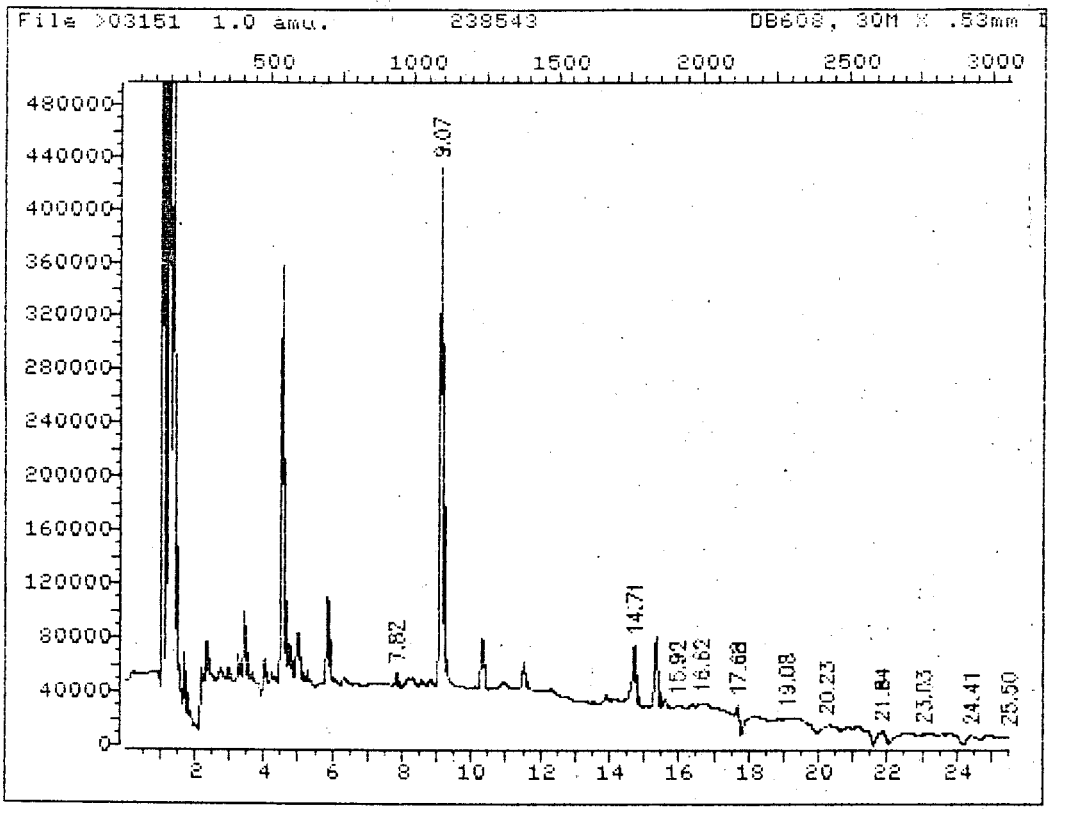
Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 07/03/96

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 07/06/96

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
319-84-6	alpha-BHC	.050	U
319-85-7	beta-BHC	.050	U
319-86-8	delta-BHC	.050	U
58-89-9	gamma-BHC (Lindane)	.050	U
76-44-8	Heptachlor	.050	U
309-00-2	Aldrin	.050	U
1024-57-3	Heptachlor epoxide	.050	U
959-98-8	Endosulfan I	.050	U
60-57-1	Dieldrin	.10	U
72-55-9	4,4'-DDE	.10	U
72-20-8	Endrin	.10	U
33213-65-9	Endosulfan II	.10	U
72-54-8	4,4'-DDD	.10	U
1031-07-8	Endosulfan Sulfate	.10	U
50-29-3	4,4'-DDT	.10	U
72-43-5	Methoxychlor	.50	U
53494-70-5	Endrin ketone	.10	U
7421-93-4	Endrin aldehyde	.10	U
5103-71-9	alpha-Chlordane	.050	U
5103-74-2	gamma-Chlordane	.050	U
8001-35-2	Toxaphene	5.0	U
12674-11-2	Aroclor-1016	1.0	U
11104-28-2	Aroclor-1221	2.0	U
11141-16-5	Aroclor-1232	1.0	U
53469-21-9	Aroclor-1242	1.0	U
12672-29-6	Aroclor-1248	1.0	U
11097-69-1	Aroclor-1254	1.0	U
11096-82-5	Aroclor-1260	1.0	U



Data File: >03151::G3 Quant Output File: ^03151::F3
Name: 238543 Instrument ID: GC03
Misc: DB608. 30M X .53mm INST 58903. 1ul INJ

Id File: IDCAP1::SC
Title: Capillary Column DB 608
Last Calibration: 941029 10:07 Last Qcal Time: 960702 00:13

Operator ID: TRFIL
Quant Time : 960706 15:25
Injected at: 960706 14:32

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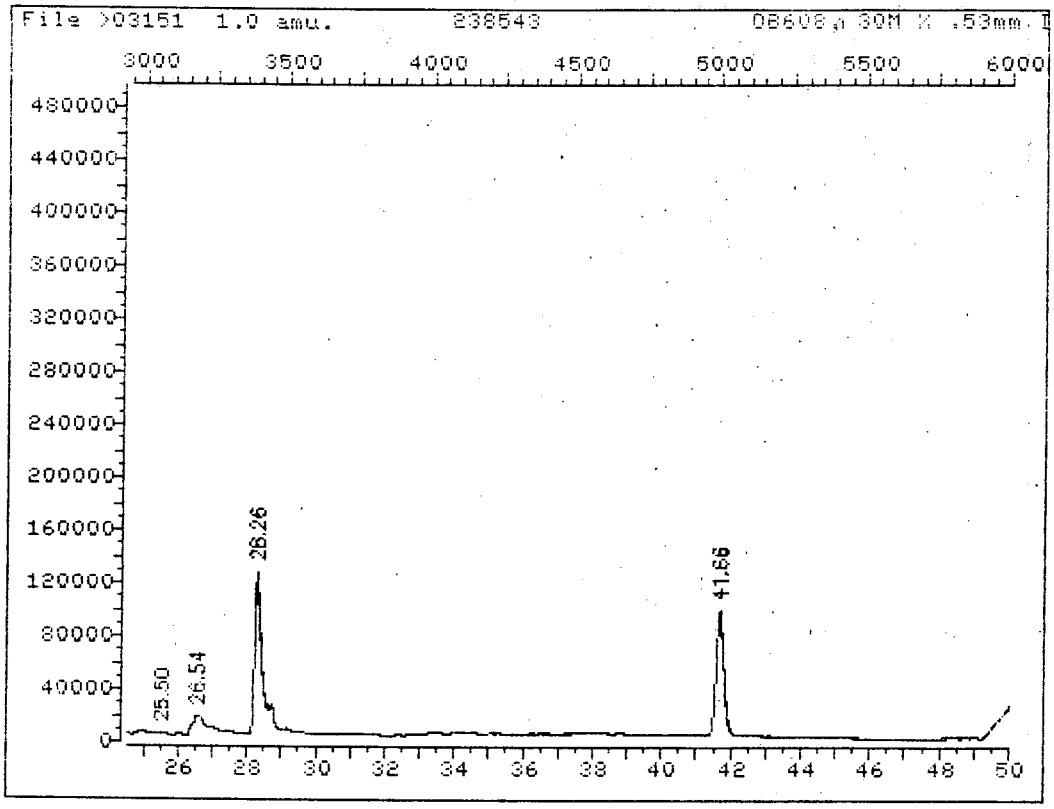

Data File: >03151::G3 Quant Output File: ^03151::F3
Name: 238543 Instrument ID: GC03
Misc: DB608, 30M X .53mm INST 58903, 1ul INJ

Id File: IDCAP1::SC
Title: Capillary Column DB-608
Last Calibration: 941029 10:07 Last Qcal Time: 960702 00:13

Operator ID: TRFIL
Quant Time : 960706 15:25
Injected at: 960706 14:32

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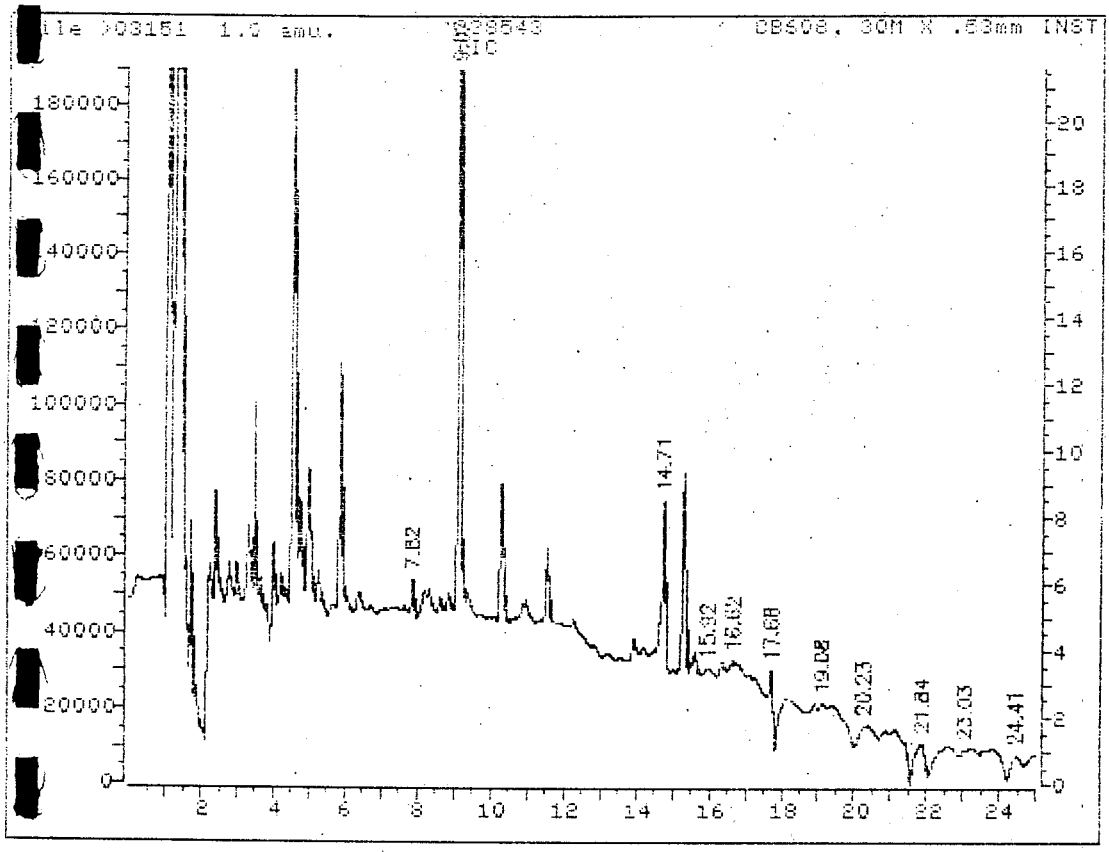
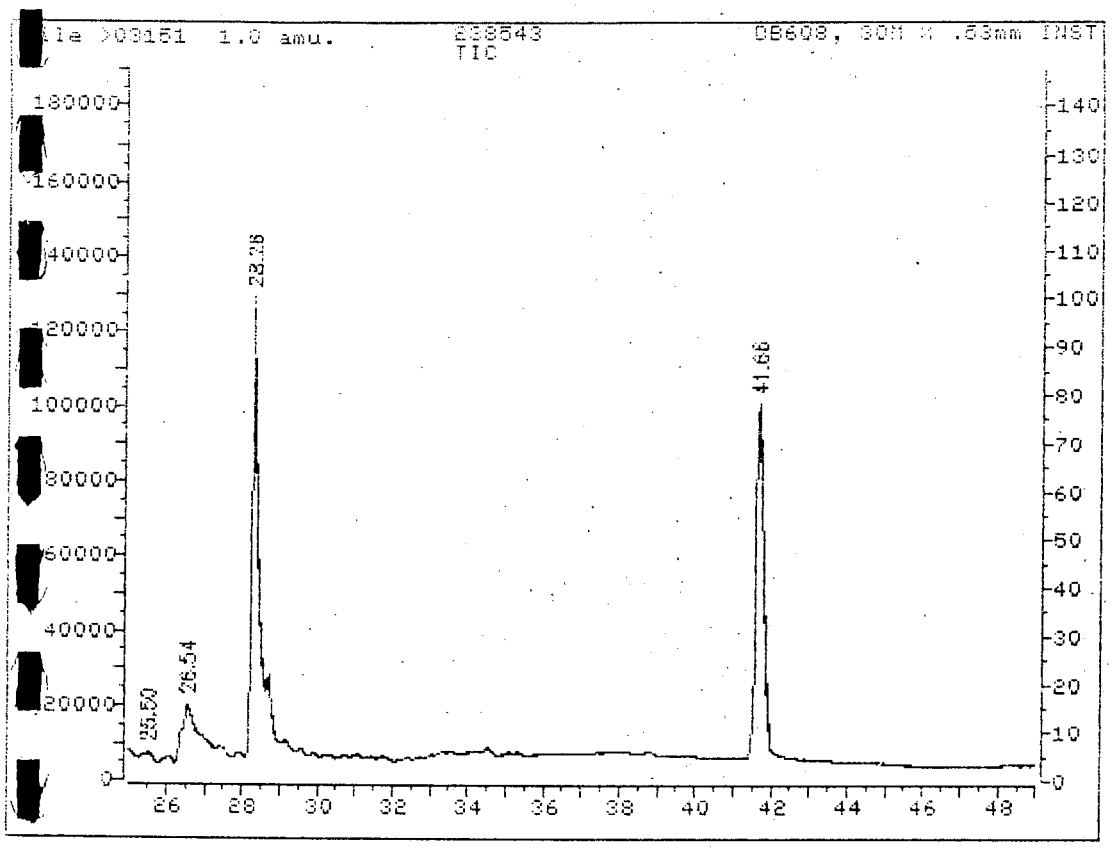


MS data file header from : >03151::G3

Sample: 238543 Operator: TRFIL 7/06/96 14:32
Misc : DB608, 30M X .53mm INST 58903, 1ul INJ
Sys. #: 0 MS model: 92 SW/HW rev.: F ALS # : 0 Equip ID: GC03
Method file: Tuning file: No. of extra records: 2

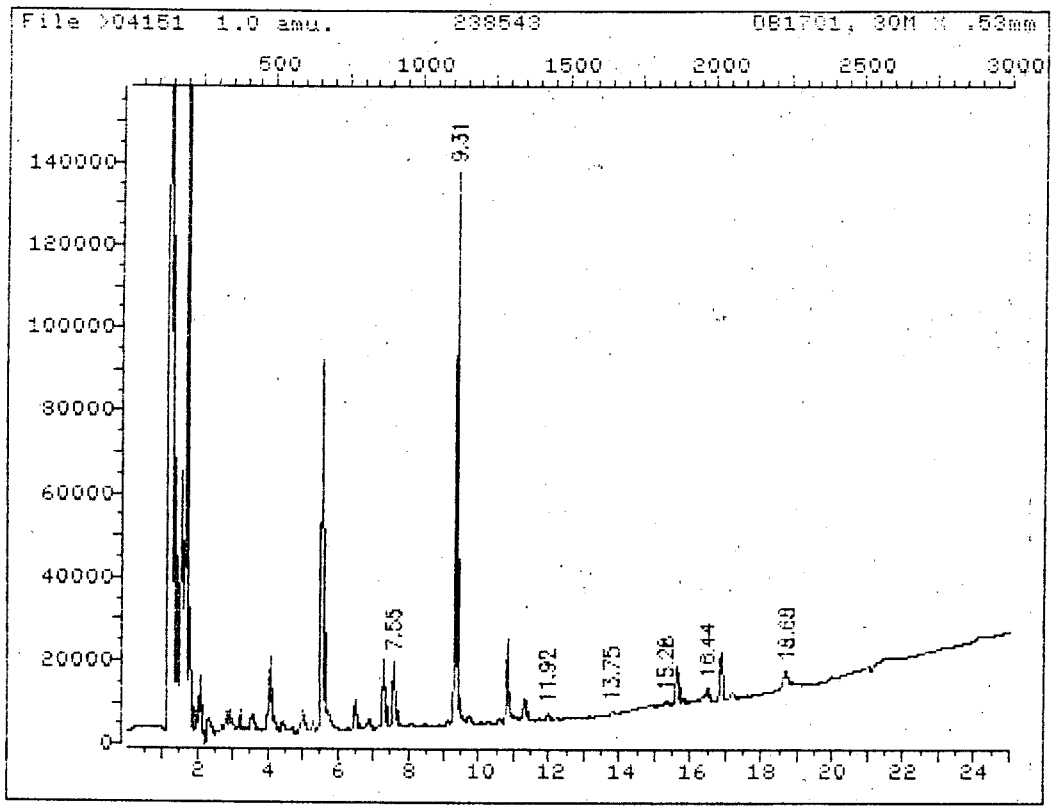
Chromatographic temperatures :	0.	0.	0.	0.	0.
Chromatographic times, min. :	0.0	0.0	0.0	0.0	0.0
Chromatographic rate, deg/min:	0.0	0.0	0.0	0.0	0.0



MS data file header from : >03151::G3

Sample: 238543 Operator: TRFIL 7/06/96 14:32
Misc : DB608, 30M X .53mm INST 58903, 1ul INJ
Sys. #: 0 MS model: 92 SW/HW rev.: F ALS # : 0 Equip ID: GC03
Method file: Tuning file: No. of extra records: 2

Chromatographic temperatures :	0.	0.	0.	0.	0.
Chromatographic times, min. :	0.0	0.0	0.0	0.0	0.0
Chromatographic rate, deg/min:	0.0	0.0	0.0	0.0	0.0



Data File: >04151::G5 Quant Output File: ^04151::F3
Name: 238543 Instrument ID: GC04
Misc: DB1701, 30M X .53mm INST 58903, 1ul INJ

Id File: IDCAP2::SC
Title: Capillary Column DB1701
Last Calibration: 941029 10:07 Last Qcal Time: 960701 21:23

Operator ID: TRFIL
Quant Time : 960706 15:23
Injected at: 960706 14:32

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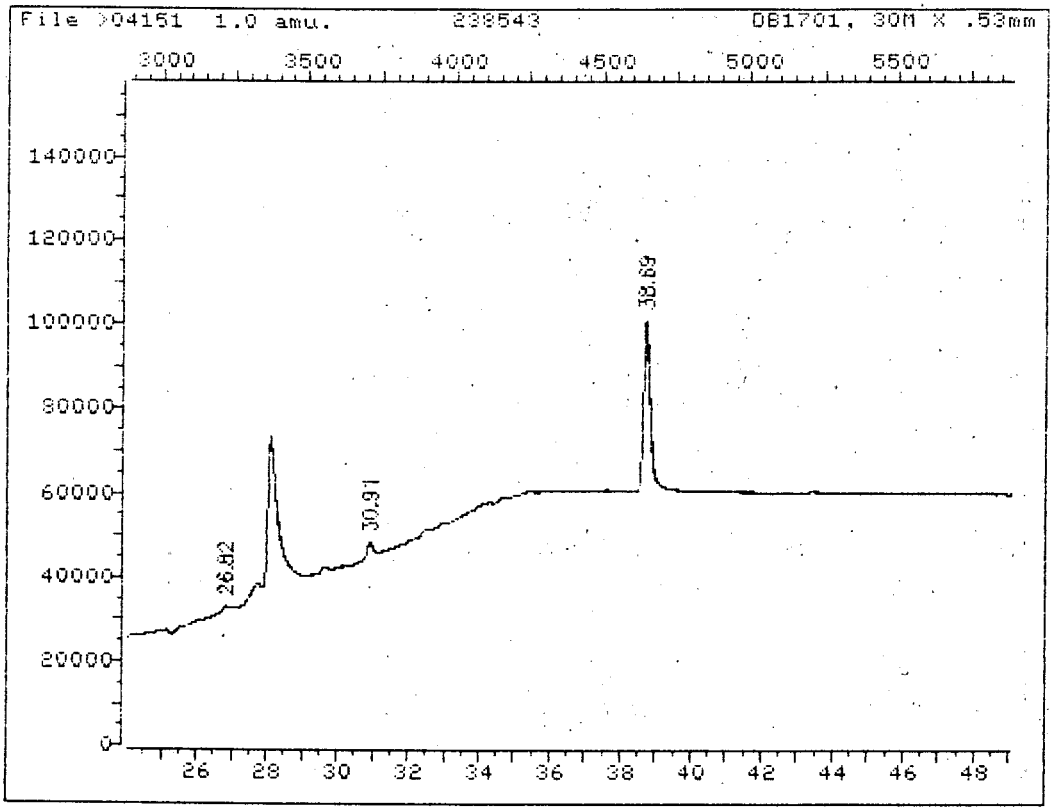
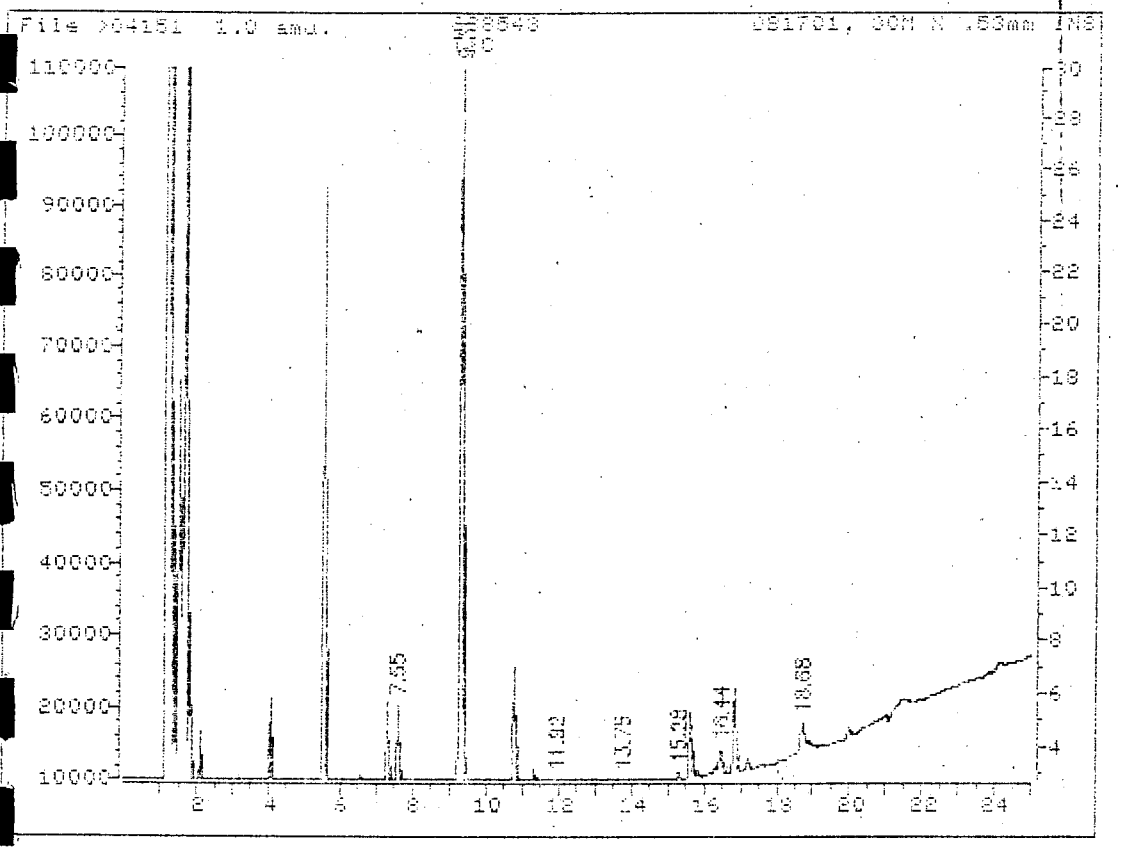


Data File: >04151::G5 Quant Output File: ^04151::F3
Name: 238543 Instrument ID: GC04
Misc: DB1701, 30M X .53mm INST 58903, 1ul INJ

Id File: IDCAP2::SC
Title: Capillary Column DB1701
Last Calibration: 941029 10:07 Last Qcal Time: 960701 21:23

Operator ID: TRFIL
Quant Time : 960706 15:23
Injected at: 960706 14:32

Page 2 of 2



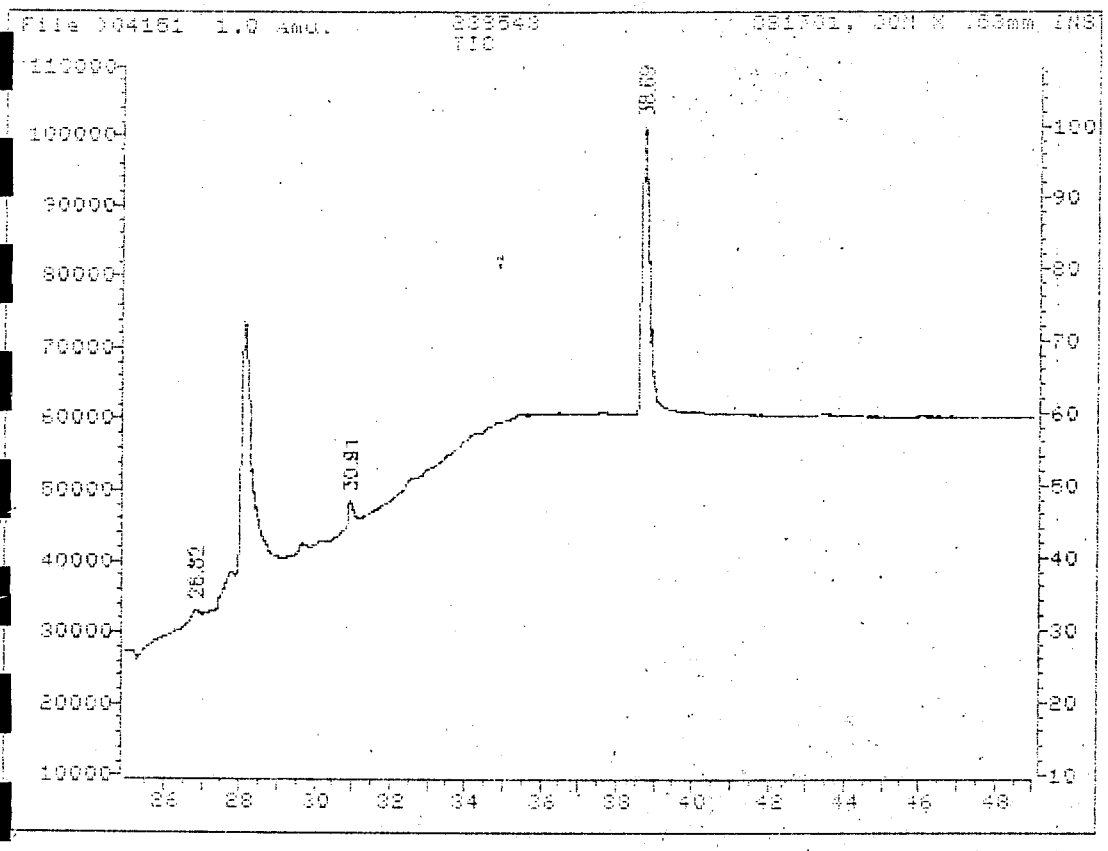
:RU.MSH

MS data file header from : >04151::G5

Sample: 238543 Operator: TRFIL 7/06/96 14:32
Misc : DB1701. 30M X .53mm INST 58903. 1ul INJ
Sys. #: 0 MS model: 92 SW/HW rev.: F ALS # : 0 Equip ID: GC04
Method file: Tuning file: No. of extra records: 2

Chromatographic temperatures :	0.	0.	0.	0.	0.
Chromatographic times. min. :	0.0	0.0	0.0	0.0	0.0
Chromatographic rate. deg/min:	0.0	0.0	0.0	0.0	0.0

:RU.AL..1



:RU,MSH

MS data file header from : >04151::G5

Sample: 238543 Operator: TRFIL 7/06/96 14:32
Misc : DB1701, 30M X .55mm INST 58903, 1ul.INJ
Sys. #: 0 MS model: 92 SW/HW rev.: F ALS # : 0 Equip ID: GC04
Method file: Tuning file: No. of extra records: 2

Chromatographic temperatures :	0.	0.	0.	0.	0.
Chromatographic times, min. :	0.0	0.0	0.0	0.0	0.0
Chromatographic rate, deg/min:	0.0	0.0	0.0	0.0	0.0

:RU,AL,,1

QUANT REPORT

Operator ID: TRFIL
Output File: ^03151::F3
Data File: >03151::G3
Name: 238543
Disc: DB608, 30M X .53mm INST 58903, 1ul INJ

Quant Rev: 7
Quant Time: 960706 15:25
Injected at: 960706 14:32
Dilution Factor: 1.00000
Instrument ID: GC03

ID File: IDCAP1::SC
Title: Capillary Column DB 608
Last Calibration: 941029 10:07
Last Qcal Time: 960702 00:13

	Compound	R.T.	Scan#	Area	Conc	Units	q
1)	#Tetrachloro-m-xylene	9.07	1089	2218668	17.73	ng/ml	100
3)	~~#beta-BHC~~	14.71	1765	353183	4.30	ng/ml	100
4)	~~#delta-BHC~~	16.62	1995	24392	.202	ng/ml	100
6)	~~#Heptachlor~~	15.92	1911	14696	.188	ng/ml	100
8)	~~#Heptachlor epoxide~~ NT	20.23	2427	45949	.418	ng/ml	100
10)	~~#Dieldrin~~	23.03	2763	12619	.133	ng/ml	100
11)	~~#4,4'-DDE~~	23.03	2763	6355	.0695	ng/ml	100
14)	~~#4,4'-DDD~~	25.50	3060	47748	.829	ng/ml	100
15)	~~#Endosulfan Sulfate~~	28.26	3391	1566237	17.67	ng/ml	100
19)	#Decachlorobiphenyl	41.66	4999	1366450	11.42	ng/ml	100
24)	~~#Aroclor-1221(1)~~ NP	7.82	938	51328	60.52	ng/ml	100
27)	~~#Aroclor-1248(1)~~ NP	15.92	1911	14696	1.94	ng/ml	100
29)	~~#Aroclor-1260(1)~~ NP	24.41	2929	118409	15.27	ng/ml	100
32)	~~#Toxaphene(3)~~ NP	28.26	3391	1566237	626.62	ng/ml	100
35)	~~#Aroclor-1016(3)~~ NP	15.92	1911	14696	1.33	ng/ml	100
37)	~~#Aroclor-1016(5)~~ NP	19.08	2290	8085	2.38	ng/ml	100
41)	~~#Aroclor-1232(3)~~ NP	15.92	1911	14696	3.12	ng/ml	100
44)	~~#Aroclor-1242(3)~~ NP	15.92	1911	14696	1.65	ng/ml	100
46)	~~#Aroclor-1242(5)~~ NP	19.08	2290	8085	2.70	ng/ml	100
47)	~~#Aroclor-1248(2)~~ NP	17.68	2122	122629	47.01	ng/ml	100
48)	~~#Aroclor-1248(3)~~ NP	19.08	2290	8085	1.95	ng/ml	100
50)	~~#Aroclor-1248(5)~~ NP	21.84	2621	220702	40.03	ng/ml	100
56)	~~#Aroclor-1260(3)~~ NP	26.54	3184	180769	34.63	ng/ml	100

Compound uses ESTD

EPrui
7/8/96

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS1

Lab Name: ICM Contract:

Lab Code: ICM Case No.: SAS No.: SDG No.: RIN1A

Matrix: (soil/water) SOIL Lab Sample ID: 238536

Sample wt/vol: 30.5 (g/mL) G Lab File ID: 03343

% Moisture: 8. decanted: (Y/N) N Date Received: 06/28/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 07/03/96

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 07/15/96

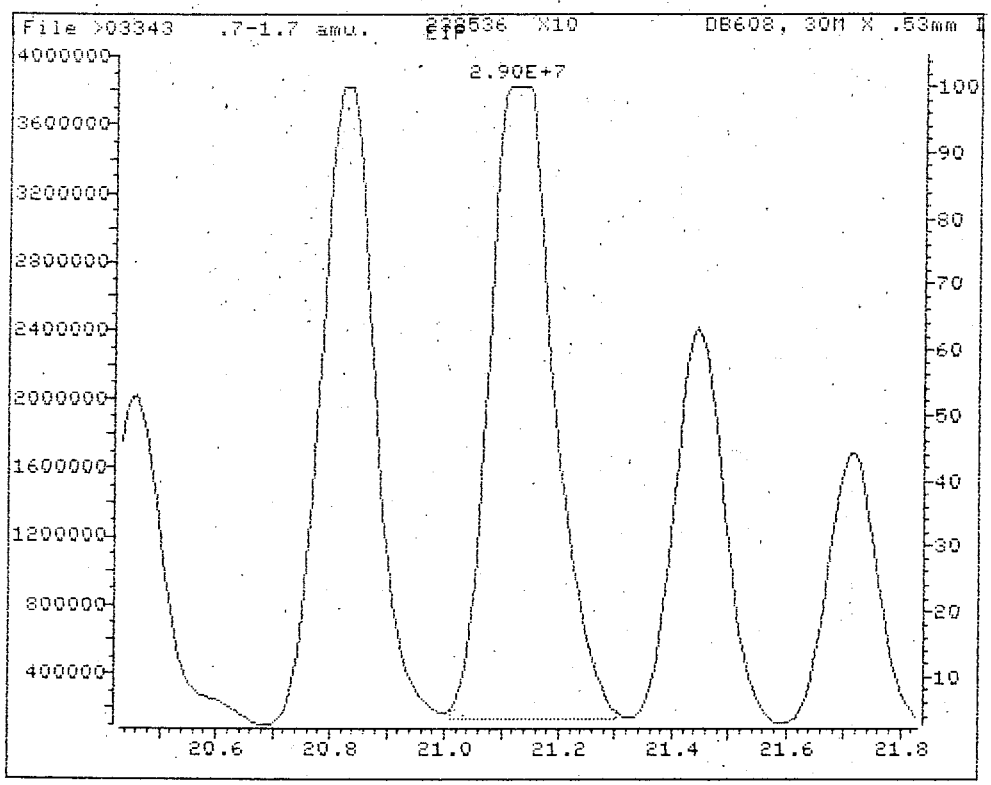
Injection Volume: 1.0 (uL) Dilution Factor: 10.0

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

Use these data.

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
319-84-6	alpha-BHC	18.	U
319-85-7	beta-BHC	18.	U
319-86-8	delta-BHC	18.	U
58-89-9	gamma-BHC (Lindane)	18.	U
76-44-8	Heptachlor	18.	U
309-00-2	Aldrin	18.	U
1024-57-3	Heptachlor epoxide	18.	U
959-98-8	Endosulfan I	18.	U
60-57-1	Dieldrin	35.	U
72-55-9	4,4'-DDE	35.	U
72-20-8	Endrin	35.	U
33213-65-9	Endosulfan II	35.	U
72-54-8	4,4'-DDD	35.	U
1031-07-8	Endosulfan Sulfate	35.	U
50-29-3	4,4'-DDT	35.	U
72-43-5	Methoxychlor	180.	U
53494-70-5	Endrin ketone	35.	U
7421-93-4	Endrin aldehyde	35.	U
5103-71-9	alpha-Chlordane	18.	U
5103-74-2	gamma-Chlordane	18.	U
8001-35-2	Toxaphene	1800.	U
12674-11-2	Aroclor-1016	350.	U
11104-28-2	Aroclor-1221	720.	U
11141-16-5	Aroclor-1232	350.	U
53469-21-9	Aroclor-1242	350.	U
12672-29-6	Aroclor-1248	350.	U
11097-69-1	Aroclor-1254	37000 ~~21000.~~	E D*
11096-82-5	Aroclor-1260	350.	U

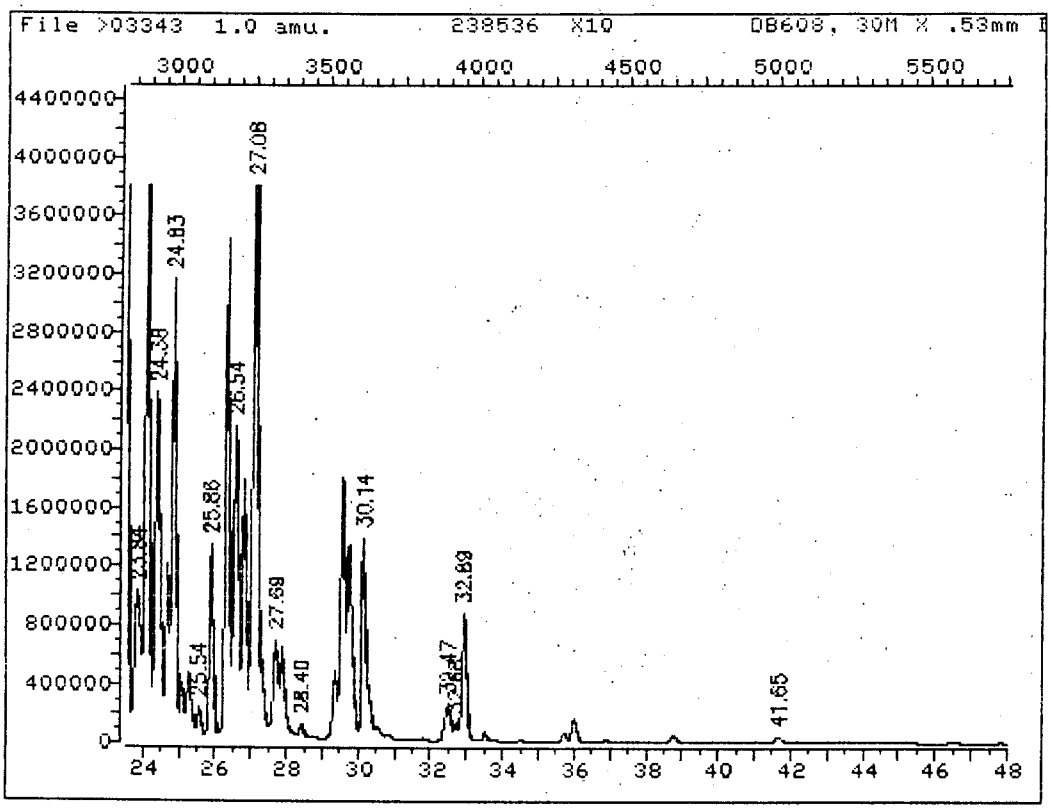
D* value transferred from dilution analysis SS1DL 100 x D/F



Data File: >03343::F3 Quant Output File: ^03343::GQ
Name: 238536 X10 Instrument ID: GC03
Misc: DB608, 30M X .53mm INST 58903, 1ul INJ
Quant Time: 960715 10:42 Quant ID File: IDCAP5::SC
Injected at: 960715 09:51 Last Calibration: 941029 10:07

Compound No: 51
Compound Name: Aroclor-1254(2)
Scan Number: 2534
Retention Time: 21.12 min.
Quant Ion: 1.0
Area: 29041804M
Concentration: 4949.60 ng/ml
q-value: 100

This report was produced by QAREA on: 960719 11:12



Data File: >03343::F3 Quant Output File: ^03343::GQ
Name: 238536 X10 Instrument ID: GC03
Misc: DB608, 30M X .53mm INST 58903, 1ul INJ

Id File: IDCAP5::SC
Title: Capillary Column DB 608
Last Calibration: 941029 10:07 Last Qcal Time: 960713 22:00

Operator ID: TRFI2
Quant Time : 960715 10:42
Injected at: 960715 09:51

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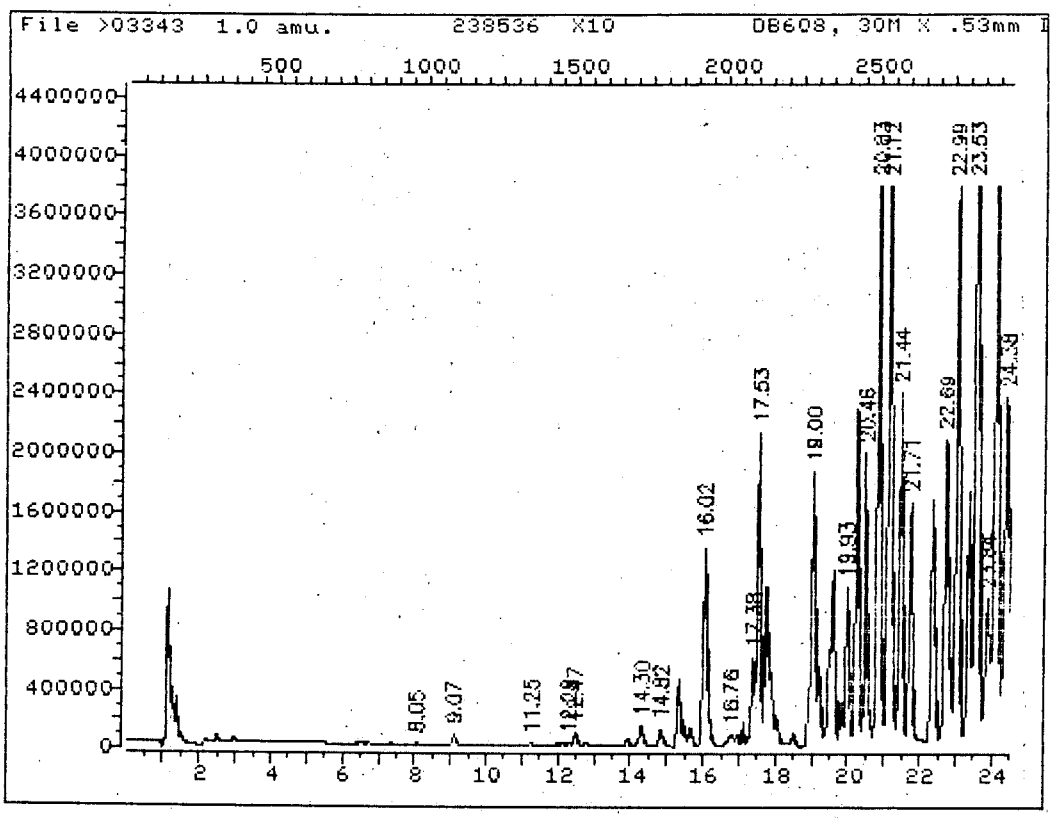

Data File: >03343::F3 Quant Output File: ^03343::GQ
Name: 238536 X10 Instrument ID: GC03
Misc: DB608, 30M X .53mm INST 58903, 1ul INJ

Id File: IDCAP5::SC
Title: Capillary Column DB 608
Last Calibration: 941029 10:07 Last Qcal Time: 960713 22:00

Operator ID: TRFI2
Quant Time : 960715 10:42
Injected at: 960715 09:51

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QUANT REPORT

Operator ID: TRFIL
Output File: ^04151::F3
Data File: >04151::G5
Name: 238543
Misc: DB1701, 30M X .53mm INST 58903, 1ul INJ

Quant Rev: 7
Quant Time: 960706 15:23
Injected at: 960706 14:32
Dilution Factor: 1.00000
Instrument ID: GC04

ID File: IDCAP2::SC
Title: Capillary Column DB1701
Last Calibration: 941029 10:07
Last Qcal Time: 960701 21:23

	Compound	R.T.	Scan#	Area	Conc	Units	q
1)	#Tetrachloro-m-xylene	9.31	1117	729427	17.61	ng/ml	100
3)	~~#beta-BHC~~	18.68	2241	39099	1.49	ng/ml	100
5)	~~#gamma-BHC (Lindane)~~	15.28	1834	5372	.158	ng/ml	100
6)	~~#Heptachlor~~ NT	16.44	1973	18613	.392	ng/ml	100
13)	~~#Endosulfan~~ II	26.82	3218	78187	2.18	ng/ml	100
17)	~~#Methoxychlor~~	30.91	3709	106871	7.94	ng/ml	100
19)	#Decachlorobiphenyl	38.69	4643	519951	11.13	ng/ml ?	100
23)	~~#Aroclor-1016(1)~~ UP	11.92	1431	9509	7.70	ng/ml	100
24)	~~#Aroclor-1221(1)~~ UP	7.55	906	81697	103.31	ng/ml	100
25)	~~#Aroclor-1232(1)~~ UP	7.55	906	81697	68.61	ng/ml	100
26)	~~#Aroclor-1242(1)~~ UP	11.92	1431	9509	8.99	ng/ml	100
27)	~~#Aroclor-1248(1)~~ UP	13.75	1650	8501	7.72	ng/ml	100
34)	~~#Aroclor-1016(2)~~ UP	13.75	1650	8501	3.48	ng/ml	100
36)	~~#Aroclor-1016(4)~~ UP	16.44	1973	18613	12.78	ng/ml	100
37)	~~#Aroclor-1016(5)~~ UP	18.68	2241	39099	18.97	ng/ml	100
39)	~~#Aroclor-1221(3)~~ UP	11.92	1431	9509	5.54	ng/ml	100
40)	~~#Aroclor-1232(2)~~ UP	11.92	1431	9509	8.12	ng/ml	100
41)	~~#Aroclor-1232(3)~~ UP	13.75	1650	8501	8.26	ng/ml	100
43)	~~#Aroclor-1242(2)~~ UP	13.75	1650	8501	4.28	ng/ml	100
45)	~~#Aroclor-1242(4)~~ UP	16.44	1973	18613	16.28	ng/ml	100
48)	~~#Aroclor-1248(3)~~ UP	18.68	2241	39099	15.87	ng/ml	100

Compound uses ESTD

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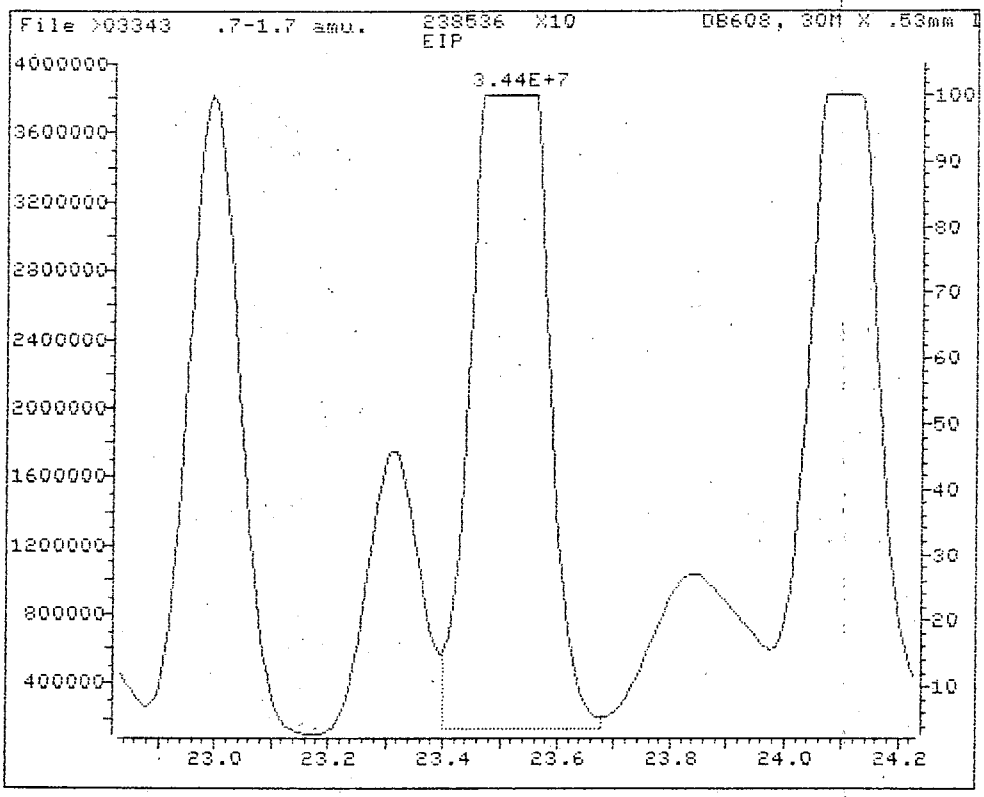
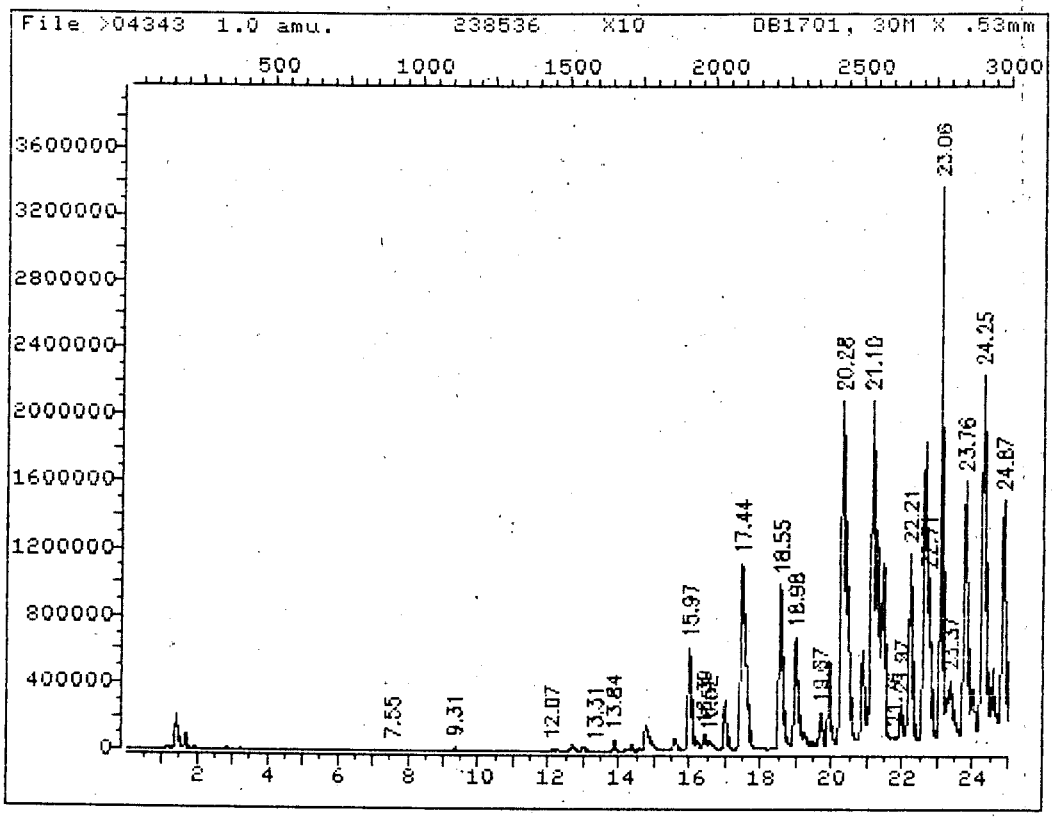
2/8/96



Data File: >03343::F3 Quant Output File: ^03343::GQ
Name: 238536 X10 Instrument ID: GC03
Misc: DB608, 30M X .53mm INST 58903, 1ul INJ
Quant Time: 960715 10:42 Quant ID File: IDCAP5::SC
Injected at: 960715 09:51 Last Calibration: 941029 10:07

Compound No: 53
Compound Name: Aroclor-1254(4)
Scan Number: 2823
Retention Time: 23.53 min.
Quant Ion: 1.0
Area: 34394888M
Concentration: 5321.90 ng/ml
q-value: 100

This report was produced by QAREA on: 960719 11:13



Data File: >04343::G1 Quant Output File: ^04343::GQ
Name: 238536 X10 Instrument ID: GC04
Misc: DB1701, 30M X .53mm INST 58903, 1ul INJ

Id File: IDCAP6::SC
Title: Capillary Column DB1701
Last Calibration: 941029 10:07 Last Qcal Time: 960713 22:00

Operator ID: TRFI2
Quant Time : 960715 10:44
Injected at: 960715 09:51

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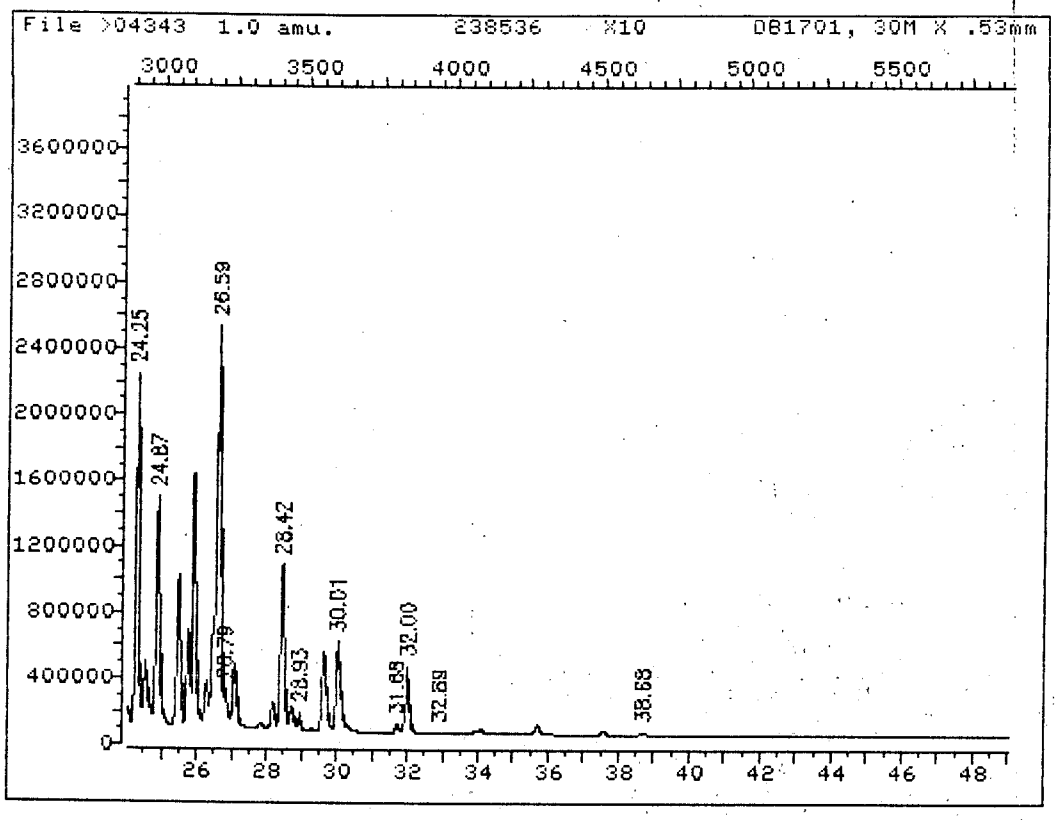

Data File: >04343::G1 Quant Output File: ^04343::GQ
Name: 238536 X10 Instrument ID: GC04
Misc: DB1701, 30M X .53mm INST 58903, 1ul INJ

Id File: IDCAP6::SC
Title: Capillary Column DB1701
Last Calibration: 941029 10:07 Last Qcal Time: 960713 22:00

Operator ID: TRFI2
Quant Time : 960715 10:44
Injected at: 960715 09:51

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QUANT REPORT

Operator ID: TRFI2 Quant Rev: 7 Quant Time: 960715 10:42
Output File: ^03343::GQ Injected at: 960715 09:51
Data File: >03343::F3 Dilution Factor: 1.00000
Name: 238536 X10 Instrument ID: GC03
Misc: DB608, 30M X .53mm INST 58903, 1ul INJ

SS1

ID File: IDCAP5::SC
Title: Capillary Column DB 608
Last Calibration: 941029 10:07 Last Qcal Time: 960713 22:00

Compound	R.T.	Scan#	Area	Conc	Units	q
1) #Tetrachloro-m-xylene	9.07	1089	389883	3.26	ng/ml	100
~~2) #alpha-BHC~~ NT	12.47	1496	544423	3.65	ng/ml	100
~~3) #beta-BHC~~	14.82	1779	842528	10.30	ng/ml	100
~~5) #gamma-BHC (Lindane)~~	14.30	1716	1101348	7.95	ng/ml	100
~~6) #Heptachlor~~	16.02	1923	10930934	104.05	ng/ml	100
~~7) #Aldrin~~	17.38	2085	3462379	25.93	ng/ml	100
~~8) #Heptachlor epoxide~~	19.93	2392	5840454	46.78	ng/ml	100
~~9) #Endosulfan I~~	21.71	2605	9963456	93.87	ng/ml	100
~~10) #Dieldrin~~	22.99	2759	23622328	250.41	ng/ml	100
~~11) #4,4'-DDE~~ NT	22.69	2723	15982886	173.09	ng/ml	100
~~12) #Endrin~~	24.83	2979	20186508	230.95	ng/ml	100
~~13) #Endosulfan II~~	25.86	3103	9139540	92.36	ng/ml	100
~~14) #4,4'-DDD~~	25.54	3064	1331115	21.56	ng/ml	100
~~15) #Endosulfan Sulfate~~	28.40	3408	684713	7.79	ng/ml	100
~~16) #4,4'-DDT~~	27.08	3249	3038342	44.73	ng/ml	100
~~17) #Methoxychlor~~	32.47	3896	2806814	70.55	ng/ml	100
~~18) #Endrin ketone~~	32.68	3921	837551	9.03	ng/ml	100
19) #Decachlorobiphenyl	41.65	4998	549539	4.75	ng/ml	100
~~20) #alpha-Chlordane~~ NT	21.44	2573	14141524	117.35	ng/ml	100
~~21) #gamma-Chlordane~~ NT	20.83	2499	24747368	204.67	ng/ml	100
~~22) #Toxaphene(1)~~ NT	23.84	2861	9080892	5683.30	ng/ml	100
~~23) #Aroclor-1016(1)~~ NP	12.28	1474	53823	18.84	ng/ml	100
~~24) #Aroclor-1221(1)~~ NP	8.05	966	38291	44.54	ng/ml	100
~~25) #Aroclor-1232(1)~~ NP	12.28	1474	53823	20.00	ng/ml	100
~~26) #Aroclor-1242(1)~~ NP	12.28	1474	53823	22.18	ng/ml	100
~~27) #Aroclor-1248(1)~~ NP	16.02	1923	10935072	1451.52	ng/ml	100
28) #Aroclor-1254(1)	20.83	2499	24747368	4974.42	ng/ml	100
~~29) #Aroclor-1260(1)~~ NP	24.38	2926	17026832	2659.67	ng/ml	100
~~30) #Endrin aldehyde~~ NP	27.69	3322	5233594	64.70	ng/ml	100
~~31) #Toxaphene(2)~~ NT	27.69	3322	5234163	3131.36	ng/ml	100
~~32) #Toxaphene(3)~~ NT	28.40	3408	684713	322.83	ng/ml	100
~~34) #Aroclor-1016(2)~~ NP	14.30	1716	1098093	189.12	ng/ml	100
~~35) #Aroclor-1016(3)~~ NP	16.02	1923	10935072	978.55	ng/ml	100
~~36) #Aroclor-1016(4)~~ NP	16.76	2011	754120	195.90	ng/ml	100
~~37) #Aroclor-1016(5)~~ NP	19.00	2280	13856054	4096.60	ng/ml	100
~~38) #Aroclor-1221(2)~~ NP	11.25	1350	38608	23.76	ng/ml	100
~~39) #Aroclor-1221(3)~~ NP	12.28	1474	53823	14.52	ng/ml	100
~~40) #Aroclor-1232(2)~~ NP	14.30	1716	1098093	391.15	ng/ml	100
~~41) #Aroclor-1232(3)~~ NP	16.02	1923	10935072	2342.99	ng/ml	100
~~42) #Aroclor-1232(4)~~ NP	16.76	2011	754120	431.51	ng/ml	100

7/21/96

QUANT REPORT

Operator ID: TRFI2 Quant Rev: 7 Quant Time: 960715 10:42
Output File: ^03343::GQ Injected at: 960715 09:51
Data File: >03343::F3 Dilution Factor: 1.00000
Name: 238536 X10 Instrument ID: GC03
Misc: DB608, 30M X .53mm INST 58903; 1ul INJ

ID File: IDCAP5::SC
Title: Capillary Column DB 608
Last Calibration: 941029 10:07 Last Qcal Time: 960713 22:00

Compound	R.T.	Scan#	Area	Conc	Units	q
43) ~~#Aroclor-1242(2)~~ NP	14.30	1716	1098093	237.22	ng/ml	100
44) ~~#Aroclor-1242(3)~~ NP	16.02	1923	10935072	1233.11	ng/ml	100
45) ~~#Aroclor-1242(4)~~ NP	16.76	2011	754120	227.80	ng/ml	100
46) ~~#Aroclor-1242(5)~~ NP	19.00	2280	13856054	4736.67	ng/ml	100
47) ~~#Aroclor-1248(2)~~ NP	17.53	2103	11455766	3587.81	ng/ml	100
48) ~~#Aroclor-1248(3)~~ NP	19.00	2280	13856054	3366.65	ng/ml	100
49) ~~#Aroclor-1248(4)~~ NP	20.46	2455	12520710	3047.97	ng/ml	100
50) ~~#Aroclor-1248(5)~~ NP	21.71	2605	9927618	2266.82	ng/ml	100
51) #Aroclor-1254(2)	21.12	2534	29041804	4949.60	ng/ml	100
52) #Aroclor-1254(3)	22.69	2723	15982886	3652.63	ng/ml	100
53) #Aroclor-1254(4)	23.53	2823	34394888	5321.90	ng/ml	100
54) #Aroclor-1254(5)	24.83	2979	20186508	5523.74	ng/ml	100
55) ~~#Aroclor-1260(2)~~ NP	24.83	2979	20186508	2833.51	ng/ml	100
56) ~~#Aroclor-1260(3)~~ NP	26.54	3184	12180302	2645.92	ng/ml	100
57) ~~#Aroclor-1260(4)~~ NP	30.14	3616	11172364	1020.04	ng/ml	100
58) ~~#Aroclor-1260(5)~~ NP	32.89	3947	7272711	1475.29	ng/ml	100

Compound uses ESTD

7/21/96

QUANT REPORT

Operator ID: TRFI2 Quant Rev: 7 Quant Time: 960715 10:44
Output File: ^04343::GQ Injected at: 960715 09:51
Data File: >04343::G1 Dilution Factor: 1.00000
Name: 238536 X10 Instrument ID: GC04
Misc: DB1701, 30M X .53mm INST 58903, 1ul INJ

ID File: IDCAP6::SC
Title: Capillary Column DB1701
Last Calibration: 941029 10:07 Last Qcal Time: 960713 22:00

Compound	R.T.	Scan#	Area	Conc	Units	q
1) #Tetrachloro-m-xylene	9.31	1117	129857	3.17	ng/ml	100
~~2) #alpha-BHC~~	13.31	1597	14032	.431	ng/ml	100
~~3) #beta-BHC~~	18.55	2226	6877302	274.06	ng/ml	100
~~4) #delta-BHC~~	19.67	2360	1172513	44.71	ng/ml	100
~~6) #Heptachlor~~	16.39	1967	553184	11.83	ng/ml	100
~~7) #Aldrin~~	17.44	2093	10743708	286.92	ng/ml	100
~~9) #Endosulfan I~~ NT	21.76	2611	58792	1.68	ng/ml	100
~~10) #Dieldrin~~	23.37	2804	2214349	69.00	ng/ml	100
~~11) #4,4'-DDE~~	22.71	2725	5002439	176.66	ng/ml	100
~~12) #Endrin~~	24.25	2910	15769550	543.06	ng/ml	100
~~13) #Endosulfan II~~	26.79	3214	1240262	36.23	ng/ml	100
~~14) #4,4'-DDD~~	26.59	3190	21737716	1130.87	ng/ml	100
~~18) #Endrin ketone~~	32.89	3946	45107	1.42	ng/ml	100
19) #Decachlorobiphenyl	38.68	4642	185570	4.05	ng/ml	100
~~20) #alpha-Chlordane~~ NT	22.21	2665	7169919	172.09	ng/ml	100
~~21) #gamma-Chlordane~~ NT	21.97	2636	1194744	29.82	ng/ml	100
~~23) #Aroclor-1016(1)~~ NP	12.07	1449	27983	23.10	ng/ml	100
~~24) #Aroclor-1221(1)~~ NP	7.55	906	31959	41.81	ng/ml	100
~~25) #Aroclor-1232(1)~~ NP	7.55	906	31959	28.95	ng/ml	100
~~26) #Aroclor-1242(1)~~ NP	12.07	1449	27983	27.24	ng/ml	100
~~27) #Aroclor-1248(1)~~ NP	13.84	1661	389209	378.63	ng/ml	100
28) #Aroclor-1254(1)	17.44	2093	10743708	6775.97	ng/ml	100
~~29) #Aroclor-1260(1)~~ NP	23.76	2851	10613158	4276.86	ng/ml	100
~~30) #Endrin aldehyde~~ NT	28.93	3471	793472	24.68	ng/ml	100
~~31) #Toxaphene(2)~~ NT	28.42	3410	7223824	10668.39	ng/ml	100
~~33) #Toxaphene(4)~~ NT	31.68	3801	381066	735.23	ng/ml	100
~~34) #Aroclor-1016(2)~~ NP	13.84	1661	389209	157.56	ng/ml	100
~~35) #Aroclor-1016(3)~~ NP	15.97	1917	3905976	971.98	ng/ml	100
~~36) #Aroclor-1016(4)~~ NP	16.52	1983	425581	286.52	ng/ml	100
~~37) #Aroclor-1016(5)~~ NP	18.55	2226	6877302	3519.62	ng/ml	100
~~39) #Aroclor-1221(3)~~ NP	12.07	1449	27983	16.50	ng/ml	100
~~40) #Aroclor-1232(2)~~ NP	12.07	1449	27983	24.64	ng/ml	100
~~41) #Aroclor-1232(3)~~ NP	13.84	1661	389209	390.00	ng/ml	100
~~42) #Aroclor-1232(4)~~ NP	15.97	1917	3905976	2399.22	ng/ml	100
~~43) #Aroclor-1242(2)~~ NP	13.84	1661	389209	201.28	ng/ml	100
~~44) #Aroclor-1242(3)~~ NP	15.97	1917	3905976	1239.01	ng/ml	100
~~45) #Aroclor-1242(4)~~ NP	16.52	1983	425581	371.86	ng/ml	100
~~46) #Aroclor-1242(5)~~ NP	17.44	2093	10743708	12568.24	ng/ml	100
~~47) #Aroclor-1248(2)~~ NP	15.97	1917	3905976	1446.15	ng/ml	100
~~48) #Aroclor-1248(3)~~ NP	18.55	2226	6877302	2841.28	ng/ml	100

7/21/96

QUANT REPORT

Operator ID: TRFI2 Quant Rev: 7 Quant Time: 960715 10:44
Output File: ^04343::GQ Injected at: 960715 09:51
Data File: >04343::G1 Dilution Factor: 1.00000
Name: 238536 X10 Instrument ID: GC04
Misc: DB1701, 30M X .53mm INST 58903, 1ul INJ

ID File: IDCAP6::SC
Title: Capillary Column DB1701
Last Calibration: 941029 10:07 Last Qcal Time: 960713 22:00

Compound	R.T.	Scan#	Area	Conc	Units	q
~~49) #Aroclor-1248(4)~~ NP	18.98	2277	4550502	2490.11	ng/ml	100
~~50) #Aroclor-1248(5)~~ NP	20.28	2434	14080298	12342.48	ng/ml	100
51) #Aroclor-1254(2)	20.28	2434	14080298	6552.82	ng/ml	100
52) #Aroclor-1254(3)	21.10	2532	12449310	6774.73	ng/ml	100
53) #Aroclor-1254(4)	23.06	2767	21132632	8134.66	ng/ml	100
54) #Aroclor-1254(5)	23.76	2851	10613158	7461.50	ng/ml	100
~~55) #Aroclor-1260(2)~~ NP	24.87	2984	10043312	3518.27	ng/ml	100
~~56) #Aroclor-1260(3)~~ NP	28.42	3410	7260415	4365.67	ng/ml	100
~~57) #Aroclor-1260(4)~~ NP	30.01	3601	4445163	1039.18	ng/ml	100
~~58) #Aroclor-1260(5)~~ NP	32.00	3840	3868032	1403.31	ng/ml	100

Compound uses ESTD

7/21/96

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS1 DL

Lab Name: ICM Contract:

Lab Code: ICM Case No.: SAS No.: SDG No.: RIN1A

Matrix: (soil/water) SOIL Lab Sample ID: 238536

Sample wt/vol: 30.5 (g/mL) G Lab File ID: 03329

% Moisture: 8. decanted: (Y/N) N Date Received: 06/28/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 07/03/96

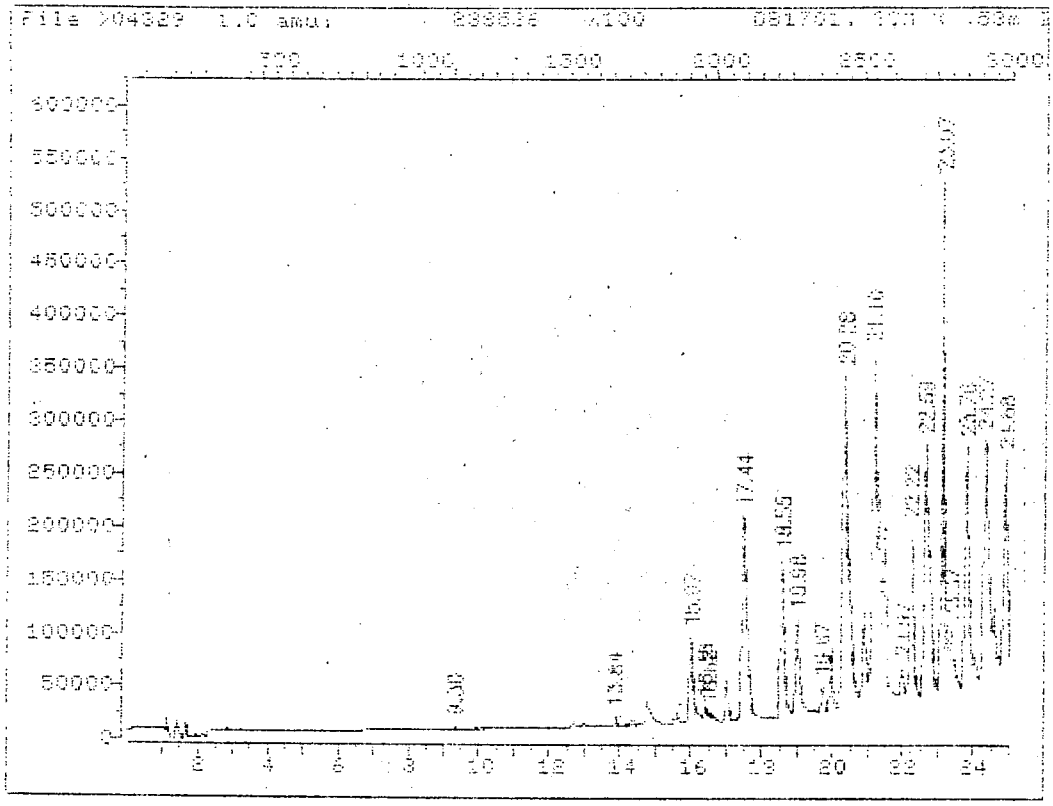
Concentrated Extract Volume: 5000 (uL) Date Analyzed: 07/14/96

Injection Volume: 1.0 (uL) Dilution Factor: 100.0

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

Do not use these data

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
319-84-6	alpha-BHC	180.	U
319-85-7	beta-BHC	180.	U
319-86-8	delta-BHC	180.	U
58-89-9	gamma-BHC (Lindane)	180.	U
76-44-8	Heptachlor	180.	U
309-00-2	Aldrin	180.	U
1024-57-3	Heptachlor epoxide	180.	U
959-98-8	Endosulfan I	180.	U
60-57-1	Dieldrin	350.	U
72-55-9	4,4'-DDE	350.	U
72-20-8	Endrin	350.	U
33213-65-9	Endosulfan II	350.	U
72-54-8	4,4'-DDD	350.	U
1031-07-8	Endosulfan Sulfate	350.	U
50-29-3	4,4'-DDT	350.	U
72-43-5	Methoxychlor	1800.	U
53494-70-5	Endrin ketone	350.	U
7421-93-4	Endrin aldehyde	350.	U
5103-71-9	alpha-Chlordane	180.	U
5103-74-2	gamma-Chlordane	180.	U
8001-35-2	Toxaphene	18000.	U
12674-11-2	Aroclor-1016	3500.	U
11104-28-2	Aroclor-1221	7200.	U
11141-16-5	Aroclor-1232	3500.	U
53469-21-9	Aroclor-1242	3500.	U
12672-29-6	Aroclor-1248	3500.	U
11097-69-1	Aroclor-1254	37000.	D
11096-82-5	Aroclor-1260	3500.	U



Data File: >04529::S1 Quant Output File: ^04529::CO
Name: 158536 X100 Instrument ID: GC04
Misc: DB1701, 50M X .55m INST 59903, 1ul INJ

Id File: IDCAP6::SI
Title: Capillary Column DB1701
Last Calibration: 941025 10:07 Last Cal Time: 960701 21:25

Operator ID: TRFIZ
Quant Time: 960714 21:56
Injected at: 960714 21:03

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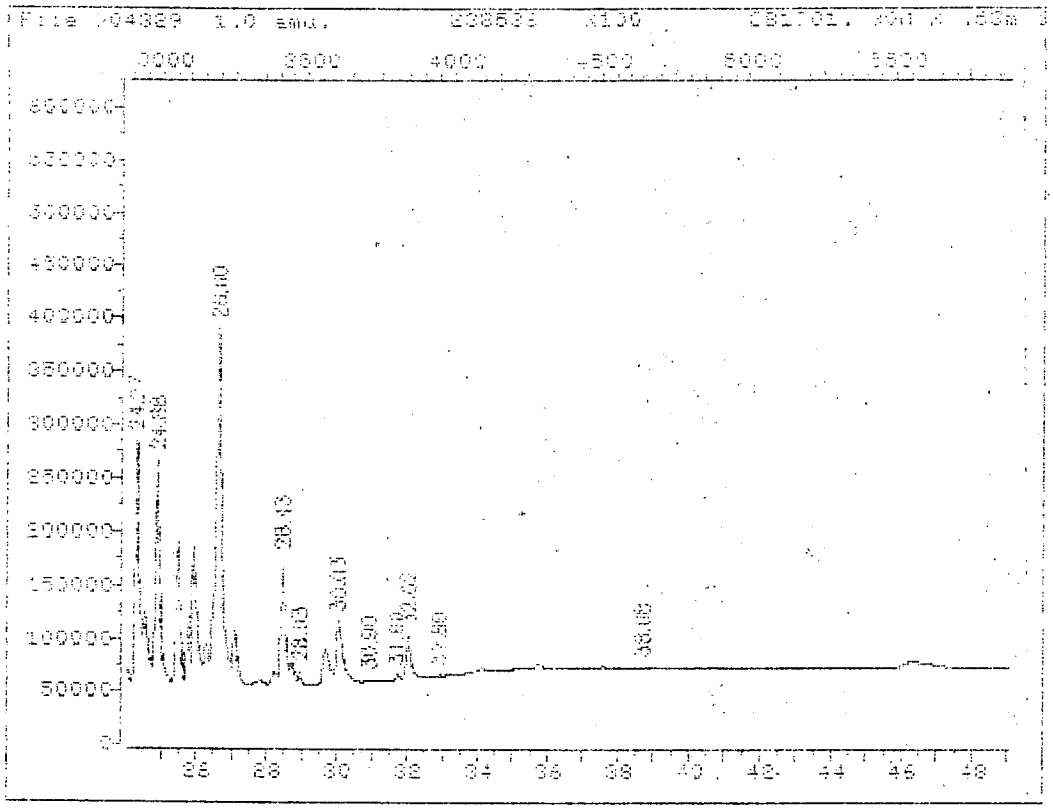

Data File: 04329::G1 Quant Output File: 04329::GQ
Name: 238536 X100 Instrument ID: GC04
Misc: DB1701, 30M X .53m INST 58903, 1ul INJ

Id File: IDCAP6::SC
Title: Capillary Column DB1701
Last Calibration: 941029 10:07 Last Qual Time: 960701 21:23

Operator ID: TRFI2
Quant Time : 960714 21:56
Injected at: 960714 21:03

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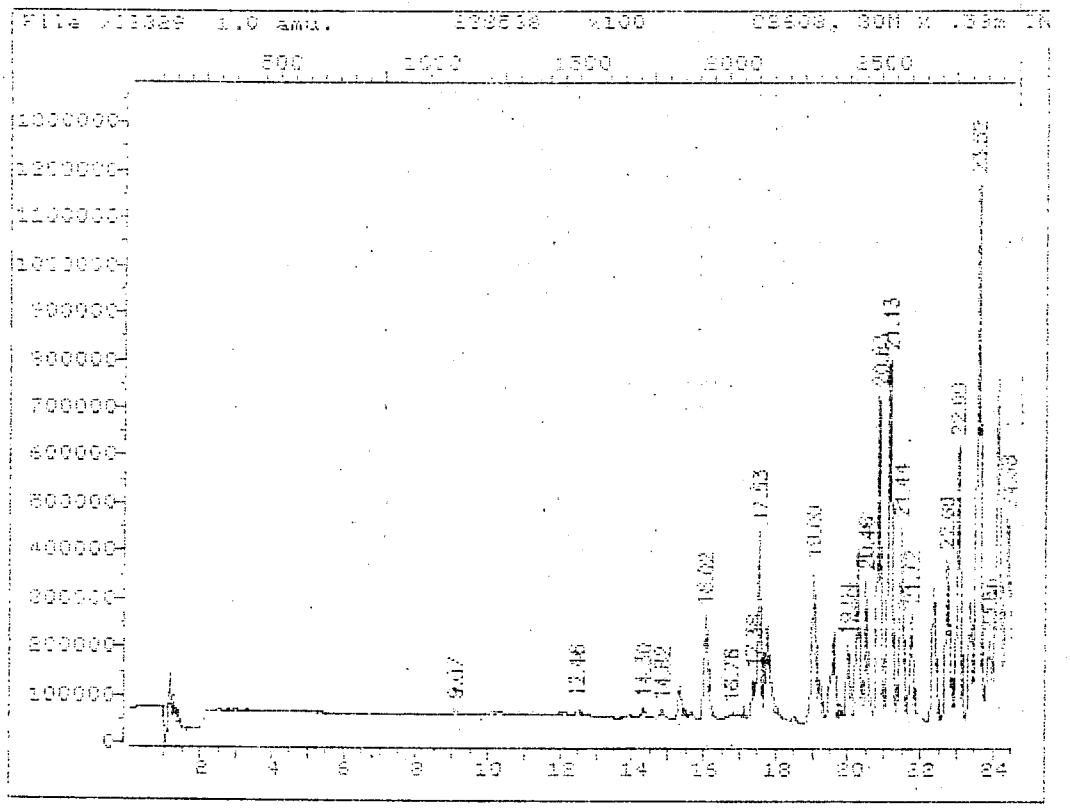
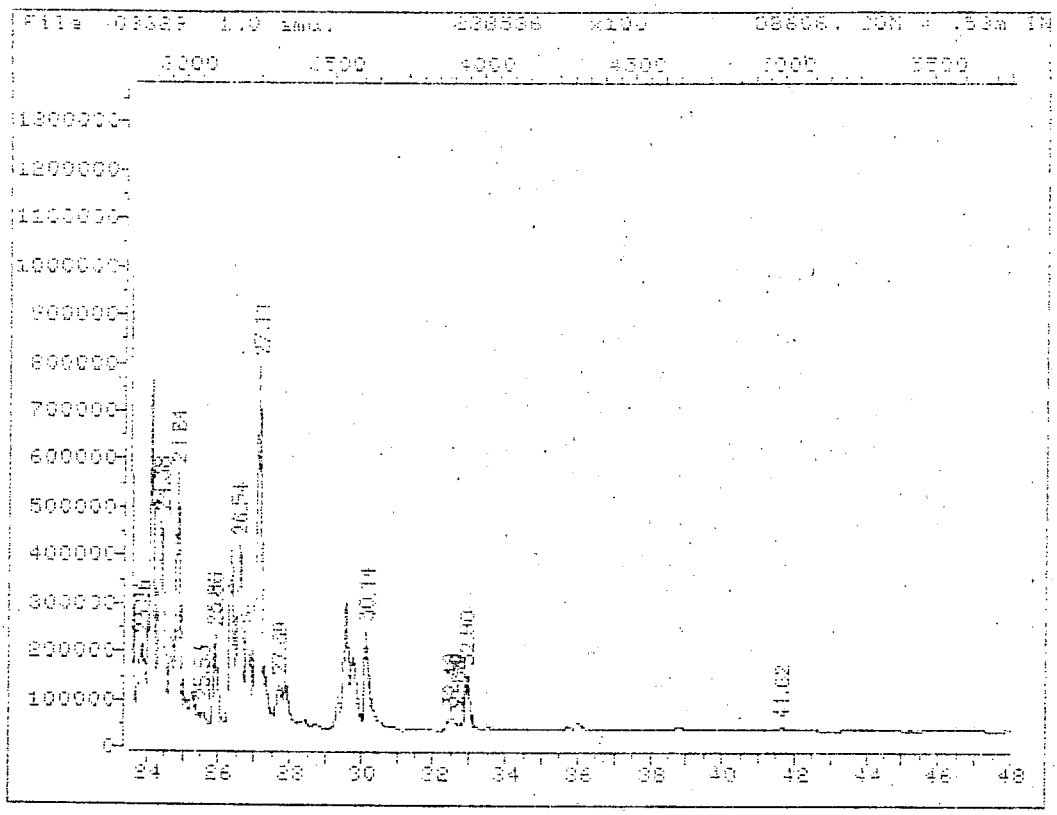


Data File: >03329::F3 Quant Output File: ^03329::GQ
Name: 238536 x100 Instrument ID: GC03
Misc: DB608, 30M X .53m INST 58903, 1ul INJ

Id File: IDCAP5::GC
Title: Capillary Column DB 608
Last Calibration: 941029 10:07 Last Qcal Time: 960702 00:13

Operator ID: TRF12
Quant Time : 960714 21:54
Injected at: 960714 21:03

Page 1 of 2



Data File: >05329::F3 Quant Output File: ^05329::GO
Name: 233536 x100 Instrument ID: GC03
Misc: DB608. 30M X .53m INST 58903. 1ul INJ

Id File: IDCAP5::SC
Title: Capillary Column DB 608.
Last Calibration: 941029 10:07 Last Stal Time: 960702 00:13

Operator ID: TRF12
Quant Time : 960714 21:54
Injected at: 960714 21:03

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QUANT REPORT

Operator ID: TRFI2 Quant Rev: 7 Quant Time: 960715 09:10
Output File: ^03329::C5 Injected at: 960714 21:03
Data File: ^03329::F5 Dilution Factor: 1.00000
Name: 23813, x100 Instrument ID: GC05
Misc: DB608, 30M X .53m INST 58903, 1ul INJ

SS1

ID File: ISCAP5::SC
Title: Capillary Column DB 608
Last Calibration: 941029 10:07 Last Qual Time: 960713 22:00

	Compound	R.T.	Scan#	Area	Conc	Units	q
1)	#Tetrachloro-m-xylene	9.07	1088	55740	.449	ng/ml	100
2)	#~~alpha BHC~~	12.46	1495	82124	.551	ng/ml	100
3)	#~~beta BHC~~	14.82	1778	165241	2.02	ng/ml	100
5)	#~~gamma BHC (Lindane)~~	14.30	1716	168201	1.21	ng/ml	100
6)	#~~Heptachlor~~	16.02	1923	1749263	16.65	ng/ml	100
7)	#~~Aldrin~~	17.38	2085	462251	3.46	ng/ml	100
8)	#~~Heptachlor epoxide~~	19.94	2393	833391	6.68	ng/ml	100
9)	#~~Endosulfan I~~	21.72	2606	1602581	15.10	ng/ml	100
10)	#~~Dieldrin~~	22.99	2759	3714628	39.38	ng/ml	100
11)	#~~4,4' DDE~~	22.69	2723	2574503	27.88	ng/ml	100
12)	#~~Endrin~~	24.84	2980	3441527	39.37	ng/ml	100
13)	#~~Endosulfan II~~	25.86	3103	1326978	13.41	ng/ml	100
14)	#~~4,4' DDD~~	25.55	3065	220941	3.58	ng/ml	100
15)	#~~4,4' DDT~~	27.11	3253	5564491	81.91	ng/ml	100
17)	#~~Methoxychlor~~	32.48	3897	355207	8.93	ng/ml	100
18)	#~~Endrin ketone~~	32.56	3921	99648	1.07	ng/ml	100
19)	#Decachlorobiphenyl	41.62	4994	24637	.213	ng/ml	100
20)	#~~alpha Chlordane~~ NT	21.44	2573	2456692	20.39	ng/ml	100
21)	#~~gamma Chlordane~~ NT	20.85	2499	4285361	35.44	ng/ml	100
22)	#~~Toxaphene(1)~~ NP	23.56	2853	1236689	773.99	ng/ml	100
23)	#~~Aroclor-1016(1)~~ NP	12.46	1495	84032	29.41	ng/ml	100
25)	#~~Aroclor-1232(1)~~ NP	12.46	1495	84032	31.22	ng/ml	100
26)	#~~Aroclor-1242(1)~~ NP	12.46	1495	84032	34.63	ng/ml	100
27)	#~~Aroclor-1248(1)~~ NP	16.02	1923	1749263	232.20	ng/ml	100
28)	#Aroclor-1254(1)	20.85	2499	4285361	861.39	ng/ml	100
29)	#~~Aroclor-1260(1)~~ NP	24.38	2925	3320291	518.64	ng/ml	100
30)	#~~Endrin aldehyde~~ NT	27.69	3323	818590	7.65	ng/ml	100
31)	#~~Toxaphene(2)~~ NP	27.67	3323	628816	376.19	ng/ml	100
32)	#~~Aroclor-1016(2)~~	14.30	1716	165180	28.45	ng/ml	100
33)	#~~Aroclor-1016(3)~~	16.02	1923	1749263	156.54	ng/ml	100
36)	#~~Aroclor-1016(4)~~ NP	16.76	2011	113505	29.49	ng/ml	100
37)	#~~Aroclor-1016(5)~~	19.00	2280	2267685	670.48	ng/ml	100
39)	#~~Aroclor-1221(3)~~ NP	12.46	1495	84032	22.67	ng/ml	100
40)	#~~Aroclor-1232(2)~~	14.30	1716	165180	58.84	ng/ml	100
41)	#~~Aroclor-1232(3)~~ NP	16.02	1923	1749263	374.80	ng/ml	100
42)	#~~Aroclor-1232(4)~~	16.76	2011	113505	64.95	ng/ml	100
43)	#~~Aroclor-1242(2)~~	14.30	1716	165180	35.68	ng/ml	100
44)	#~~Aroclor-1242(3)~~ NP	16.02	1923	1749263	197.26	ng/ml	100
45)	#~~Aroclor-1242(4)~~	16.76	2011	113505	34.29	ng/ml	100
46)	#~~Aroclor-1242(5)~~	19.00	2280	2267685	775.21	ng/ml	100

NT

E Price
7/16/96

QUANT REPORT

Operator ID: TRFI2 Quant Rev: 7 Quant Time: 960715 09:10
Output File: 103329::GQ Injected at: 960714 21:03
Data File: 103329::F5 Dilution Factor: 1.00000
Name: 159536 x100 Instrument ID: AC03
Misc: DB608, 30M X 53m INST 15903, 1ul INJ

ID File: IDCAP5::SC
Title: Capillary Column DB 608
Last Calibration: 941029 10:07 Last Goal Time: 960713 22:00

	Compound	R.T.	Scan#	Area	Conc	Units	q
47)	~~#Aroclor-1248(2)~~	17.53	2103	2121352	664.38	ng/ml	100
48)	~~#Aroclor-1248(3)~~	19.00	2280	2267685	550.99	ng/ml	100
49)	~~#Aroclor-1248(4)~~	20.46	2455	1914710	466.59	ng/ml	100
50)	~~#Aroclor-1248(5)~~	21.72	2606	1602381	365.93	ng/ml	100
51)	#Aroclor-1254(2)	21.13	2535	5255488	895.69	ng/ml	100
52)	#Aroclor-1254(3)	22.69	2723	2574503	1393.76	ng/ml	100
53)	#Aroclor-1254(4)	23.52	2822	7279728	1126.39	ng/ml	100
54)	#Aroclor-1254(5)	24.84	2980	3441527	941.72	ng/ml	100
55)	~~#Aroclor-1260~~(2)	24.84	2980	3441527	483.08	ng/ml	100
56)	~~#Aroclor-1260~~(3)	26.54	3184	2800[illegible]7	608.39	ng/ml	100
57)	~~#Aroclor-1260~~(4)	30.14	3616	2179929	198.94	ng/ml	100
58)	~~#Aroclor-1260(5)~~	32.90	3948	1025013	207.93	ng/ml	100

NP

NP

Compound uses ESTD

E Price
7/16/96

QUANT REPORT

Operator ID: TRFI2 Quant Rev: 7 Quant Time: 960715 09:36
Output File: >04329::EG Injected at: 960714 21:03
Data File: >04329::G1 Dilution Factor: 1.00000
Name: 2385?: X105 Instrument ID: GC04
Disc: DB1701, 30M X .53m INST 32905, 1ul INJ.

ID File: IDCAP6::SC
Title: Capillary Column DB1701
Last Calibration: 941029 10:07 Last Cal Time: 960713 22:00

	Compound	R.T.	Scan#	Area	Conc	Units	q
1)	#Tetrachloro-m-xylene	9.30	1116	17786	.435	ng/ml	100
3)	~~#beta-BHC~~	18.55	2226	1126863	44.91	ng/ml	100
4)	~~#delta-BHC~~	19.67	2360	146825	5.60	ng/ml	100
5)	~~#Lindane~~	16.38	1966	56676	1.21	ng/ml	100
7)	~~#Heptachlor~~	17.44	2093	1912745	51.08	ng/ml	100
10)	~~#Dieldrin~~	23.37	2804	421088	13.12	ng/ml	100
11)	~~#4,4'-DDE~~	22.59	2711	1475997	52.12	ng/ml	100
12)	~~#Endrin~~	24.27	2912	2111500	73.06	ng/ml	100
13)	~~#Endosulfan II~~	26.60	3192	3300287	96.40	ng/ml	100
14)	~~#4,4'-DDS~~	26.60	3192	3287692	171.04	ng/ml	100
17)	~~#Methoxychlor~~	30.90	3708	19412	1.45	ng/ml	100
18)	~~#Endrin ketone~~	32.89	3947	8649	.273	ng/ml	100
19)	~~#Heptachlorobiphenyl~~ yes EP	38.68	4641	16928	.369	ng/ml	100
20)	~~#alpha-Chlordane~~ NT	22.22	2666	1062474	25.50	ng/ml	100
21)	~~#gamma-Chlordane~~ NT	21.97	2636	155400	3.88	ng/ml	100
27)	~~#Aroclor-1248(1)~~ NP	13.84	1661	54681	53.19	ng/ml	100
28)	#Aroclor-1254(1)	17.44	2093	1912745	1206.35	ng/ml	100
29)	~~#Aroclor-1260(1)~~ NP	23.76	2851	1649484	664.30	ng/ml	100
30)	~~#Endrin aldehyde~~ NT	28.97	3471	106656	3.32	ng/ml	100
31)	~~#Toxaphene(2)~~ NP	28.43	3411	980219	1447.62	ng/ml	100
33)	~~#Toxaphene(4)~~ NP	31.69	3802	48491	93.56	ng/ml	100
34)	~~#Aroclor-1016(2)~~	15.84	1661	54681	22.14	ng/ml	100
35)	~~#Aroclor-1016(3)~~	15.97	1917	554105	137.89	ng/ml	100
36)	~~#Aroclor-1016(4)~~ NP	16.52	1982	53115	35.76	ng/ml	100
37)	~~#Aroclor-1016(5)~~	18.55	2226	1126863	576.70	ng/ml	100
41)	~~#Aroclor-1232(3)~~ NP	13.84	1661	54681	54.79	ng/ml	100
42)	~~#Aroclor-1232(4)~~ NP	15.97	1917	554105	340.36	ng/ml	100
43)	~~#Aroclor-1242(2)~~	13.84	1661	54681	28.28	ng/ml	100
44)	~~#Aroclor-1242(3)~~	15.97	1917	554105	175.77	ng/ml	100
45)	~~#Aroclor-1242(4)~~ NP	16.52	1982	53115	46.41	ng/ml	100
46)	~~#Aroclor-1242(5)~~	17.44	2093	1912745	2237.57	ng/ml	100
47)	~~#Aroclor-1248(3)~~	15.97	1917	554105	205.15	ng/ml	100
48)	~~#Aroclor-1248(5)~~	18.55	2226	1126863	465.55	ng/ml	100
49)	~~#Aroclor-1248(4)~~ NP	18.98	2277	693114	379.28	ng/ml	100
50)	~~#Aroclor-1248(5)~~	20.28	2434	2235562	1959.64	ng/ml	100
51)	#Aroclor-1254(2)	20.28	2434	2235562	1040.41	ng/ml	100
52)	#Aroclor-1254(3)	21.10	2532	2055061	1119.33	ng/ml	100
53)	#Aroclor-1254(4)	23.07	2768	3307475	1273.15	ng/ml	100
54)	#Aroclor-1254(5)	23.76	2851	1648484	1158.95	ng/ml	100
55)	~~#Aroclor-1260(2)~~ NP	24.88	2985	1688787	591.60	ng/ml	100

EPma
7/16/96

QUANT REPORT Page 2

Operator ID: TRFI2 Quant Rev: 7 Quant Time: 960715 09:56
Output File: ^04329::GO Injected at: 960714 21:03
Data File: >0452?::G1 Dilution Factor: 1.00000
Name: I78536 X100 Instrument ID: GC04
Disc: DB1701. 30M X .53m INST 58903. 1ul IN2

ID File: IDCAP6::SC
Title: Capillary Column DB1701
Last Calibration: 941029 10:07 Last Qcal Time: 960715 22:00

	Compound	R.T.	Scan#	Area	Conc	Units	q
56)	~~#Aroclor-1260~~(3)	28.43	3411	989749	595.13	ng/ml	100
57)	~~#Aroclor-1260~~(4) UP	30.03	3603	741853	173.43	ng/ml	100
58)	~~#Aroclor-1260~~(5)	32.02	3842	502202	182.20	ng/ml	100

Compound uses ESTD

E Price
7/16/96

QUANT REPORT

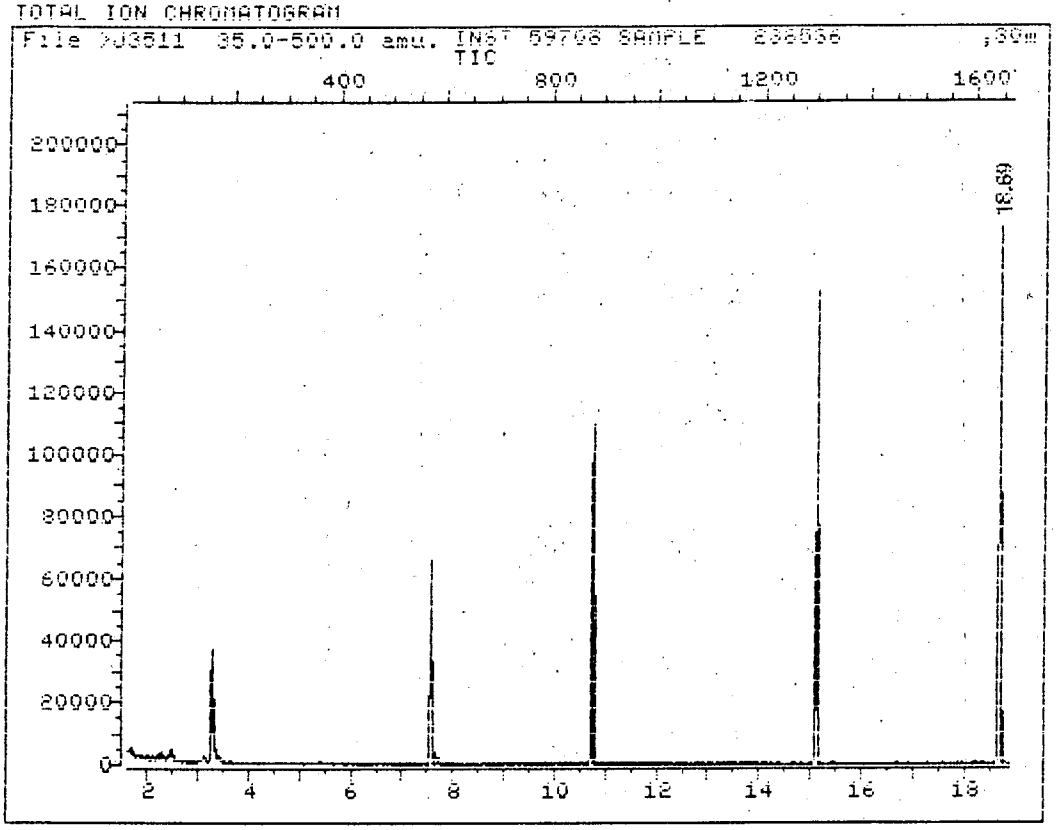
Operator ID: GT0101 Quant Rev: 7 Quant Time: 960718 15:50
Output File: ^J3511::QT Injected at: 960718 15:13
Data File: >J3511::D4 Dilution Factor: 1.00000
Name: INST 59708 SAMPLE Instrument ID: 5970 "J"
Misc: 238536 ,30m SPB-5 CAP COLUMN BTL# 8

ID File: IDPEST::01
Title: CLP PESTICIDE CONFIRMATION FILE
Last Calibration: : Last Qcal Time: 960531 11:41

	Compound	R.T.	Q ion	Area	Conc	Units	Q
1)	*Phenanthrene-d10	18.69	188.0	123356	40.00	UG/ML	100

* Compound is ISTD

TOTAL ION CHROMATOGRAM



Data File: >J3511::D4 Quant Output File: ^J3511::QT
Name: INST 59708 SAMPLE Instrument ID: 5970 "J"
Misc: 238536 ,30m SPB-5 CAP COLUMN BTL# 8

Id File: IDPEST::D1
Title: CLP PESTICIDE CONFIRMATION FILE
Last Calibration: : Last Qcal Time: 960531 11:41

Operator ID: GT0101
Quant Time : 960718 15:50
Injected at: 960718 15:13

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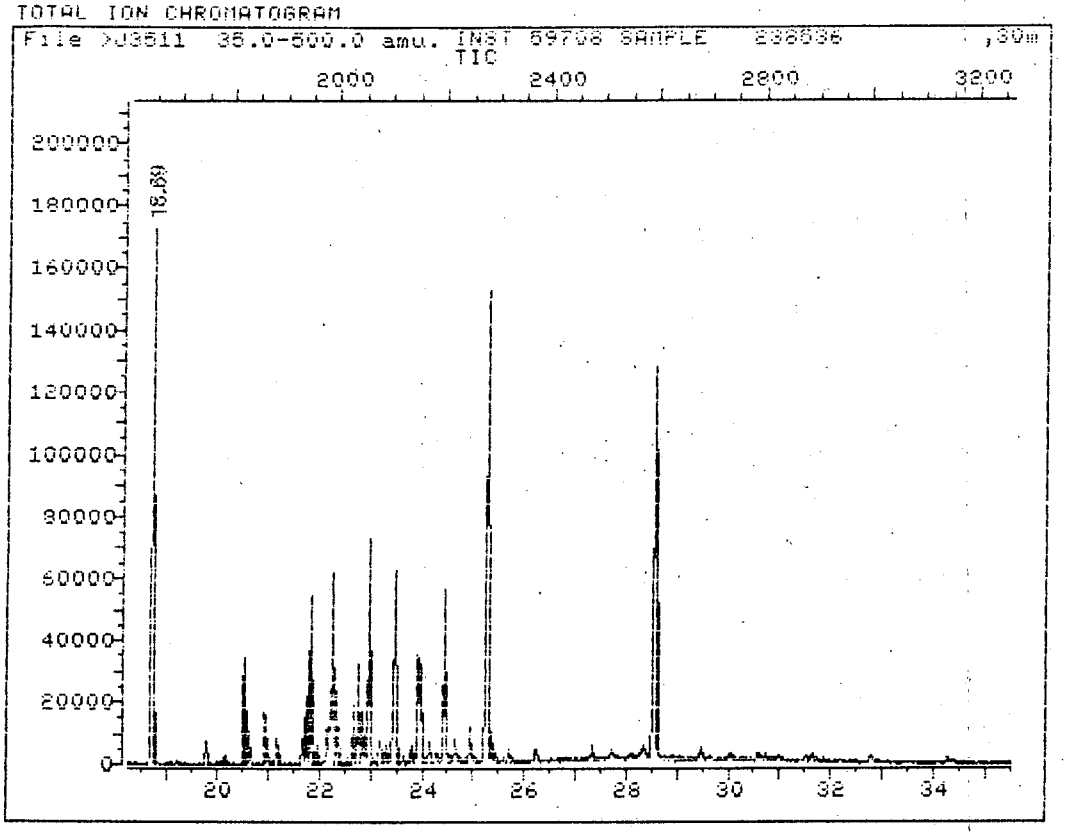
TOTAL ION CHROMATOGRAM



Data File: >J3511::D4 Quant Output File: ^J3511::QT
Name: INST 59708 SAMPLE Instrument ID: 5970 "J"
Misc: 238536 ,30m SPB-5 CAP COLUMN BTL# 8

Id File: IDPEST::D1
Title: CLP PESTICIDE CONFIRMATION FILE
Last Calibration: : Last Qcal Time: 960531 11:41

Operator ID: GT0101
Quant Time : 960718 15:50
Injected at: 960718 15:13

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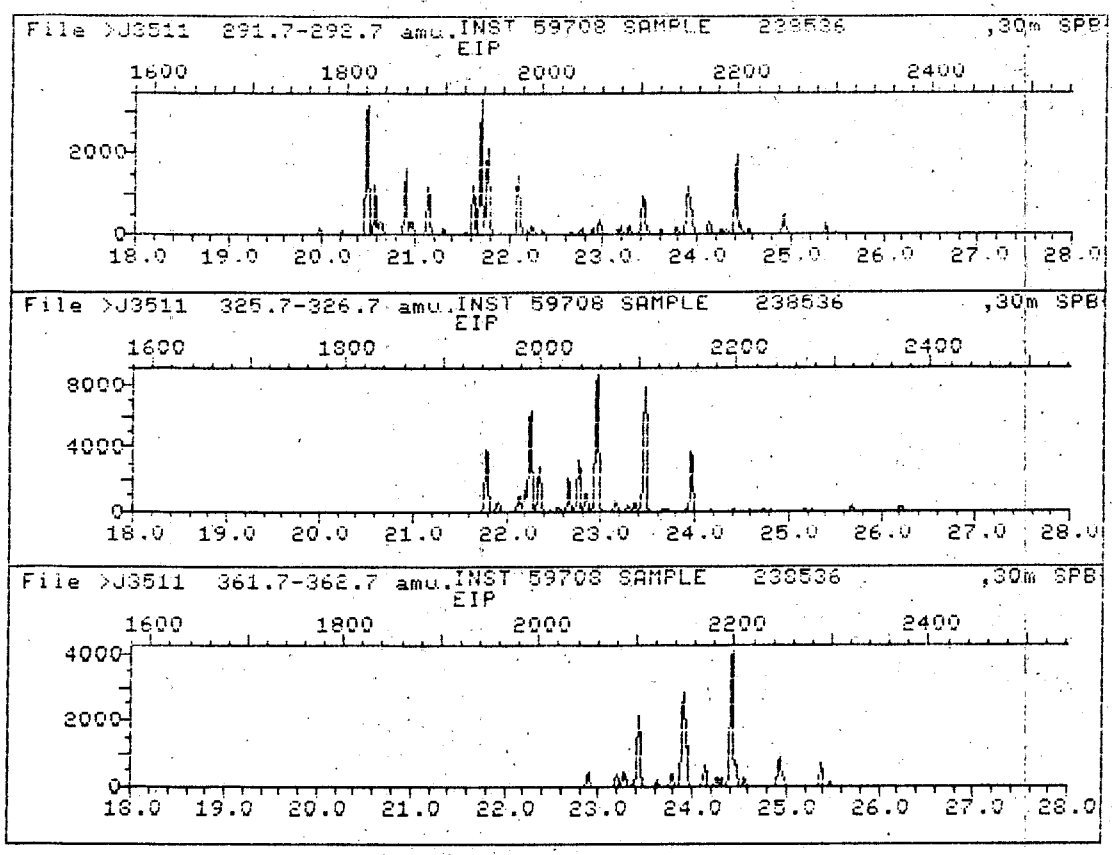


MS data file header from : >J3511::D4

Sample: INST 59708 SAMPLE Operator: GT0101 SUPER GRP. 7/18/96 15:13
Misc : 238536 ,30m SPB-5 CAP COLUMN BTL# 8
Sys. #: 1 MS model: 70 SW/HW rev.: LF ALS # : 8 Equip ID: 5970 "J"
Method file: BNPJ Tuning file: MTA008 No. of extra records: 2
Source temp.: N/A Analyzer temp.: N/A Transfer line temp. : 0

Chromatographic temperatures :	40.	280.	300.	0.	0.
Chromatographic times, min. :	4.0	1.0	20.0	0.0	0.0
Chromatographic rate, deg/min:	10.0	10.0	0.0	0.0	0.0

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS2

Lab Name: ICM Contract:

Lab Code: ICM Case No.: SAS No.: SDG No.: RIN1A

Matrix: (soil/water) SOIL Lab Sample ID: 238538

Sample wt/vol: 30.3 (g/mL) G Lab File ID: 03266

% Moisture: 11. decanted: (Y/N) N Date Received: 06/28/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 07/03/96

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 07/11/96

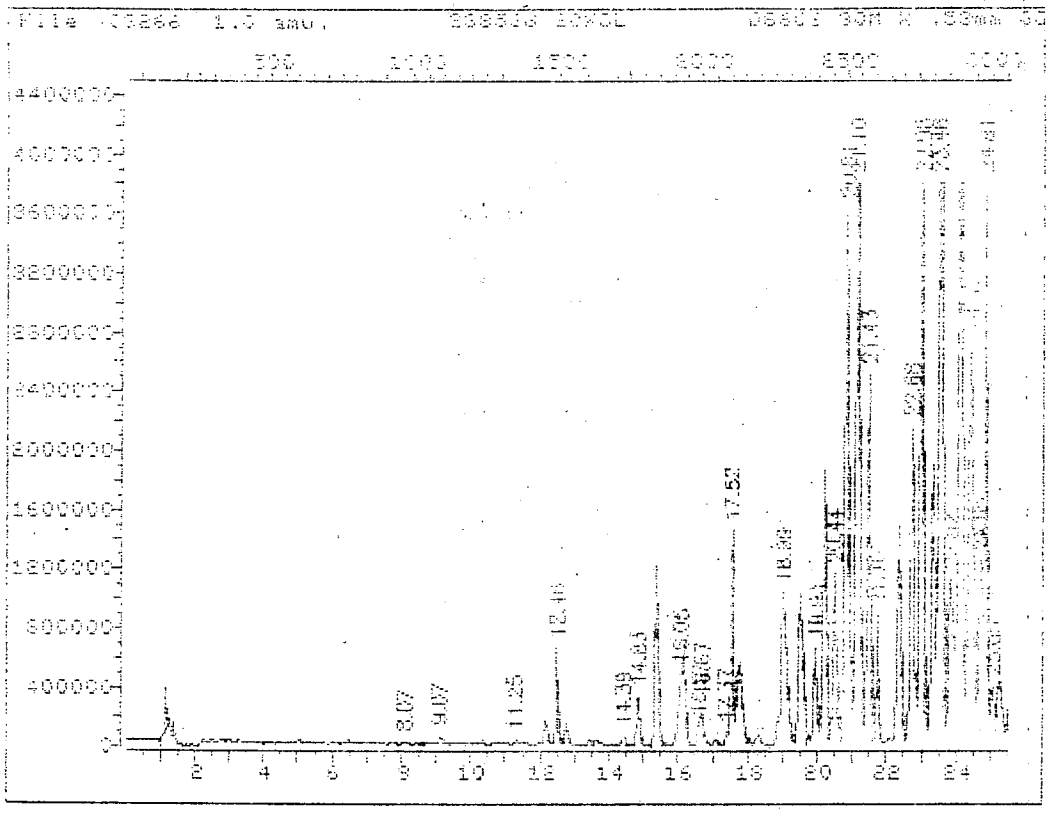
Injection Volume: 1.0 (uL) Dilution Factor: 20.0

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

Use these data.

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
319-84-6	alpha-BHC	38.	U
319-85-7	beta-BHC	38.	U
319-86-8	delta-BHC	38.	U
58-89-9	gamma-BHC (Lindane)	38.	U
76-44-8	Heptachlor	38.	U
309-00-2	Aldrin	38.	U
1024-57-3	Heptachlor epoxide	38.	U
959-98-8	Endosulfan I	38.	U
60-57-1	Dieldrin	74.	U
72-55-9	4,4'-DDE	74.	U
72-20-8	Endrin	74.	U
33213-65-9	Endosulfan II	74.	U
72-54-8	4,4'-DDD	74.	U
1031-07-8	Endosulfan Sulfate	74.	U
50-29-3	4,4'-DDT	74.	U
72-43-5	Methoxychlor	380.	U
53494-70-5	Endrin ketone	74.	U
7421-93-4	Endrin aldehyde	74.	U
5103-71-9	alpha-Chlordane	38.	U
5103-74-2	gamma-Chlordane	38.	U
8001-35-2	Toxaphene	3800.	U
12674-11-2	Aroclor-1016	740.	U
11104-28-2	Aroclor-1221	1500.	U
11141-16-5	Aroclor-1232	740.	U
53469-21-9	Aroclor-1242	740.	U
12672-29-6	Aroclor-1248	740.	U
11097-69-1	Aroclor-1254	38000 ~~50000.~~	~~E~~ D*
11096-82-5	Aroclor-1260	740.	U

D* value transferred from diluted analysis SS2 DL 200 x D/F.



Data File: >03266::G3 Quant Output File: ^03266::GQ
Name: 238538 20XDL Instrument ID: GC03
Misc: DB608 30M X .53mm GC58903 1ul inj.

ID File: IDCAP1::SC
Title: Capillary Column DB 608
Last Calibration: 941129 10:07 Last Goal Time: 960702 00:13

Operator ID: TRFI2
Quant Time : 960712 13:44
Injected at: 960711 22:06

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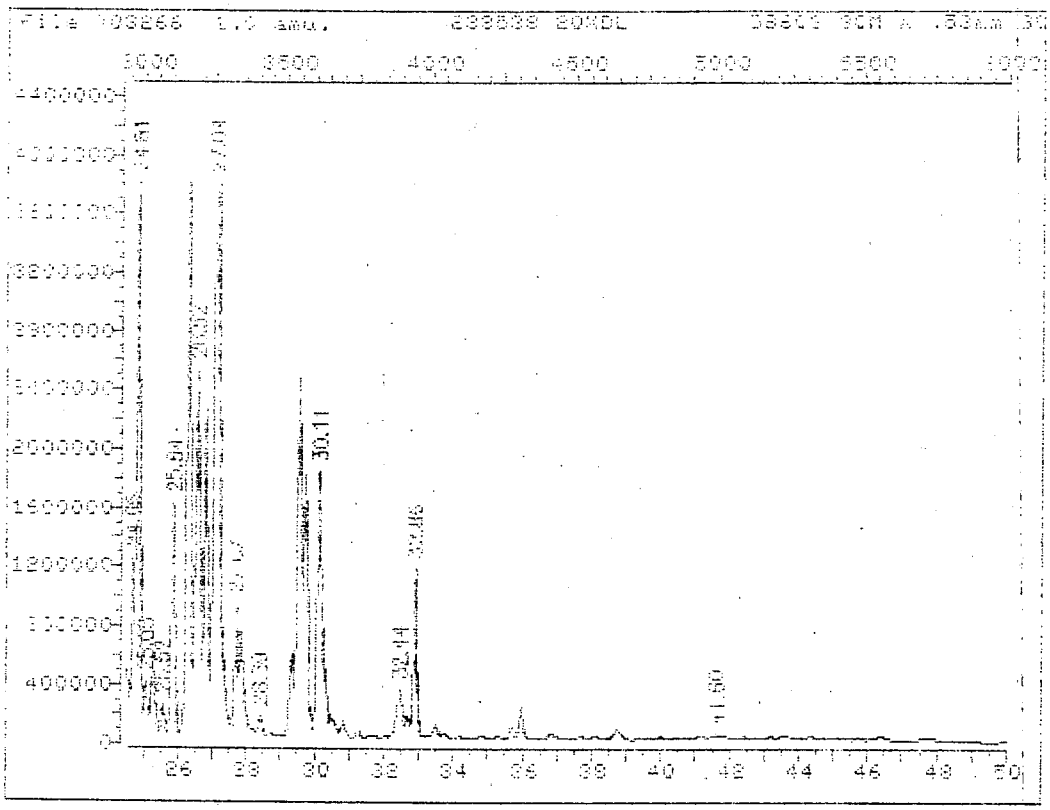

Data File: *03266**G5 Quant Output File: *03266**GQ
Name: 258538 20XDL Instrument ID: GC03
Misc: DB608 30M X .53mm GC58903 1µl inj.

Id File: IDCAP1.*GC
Title: Capillary Column DB 608
Last Calibration: 941027 13:07 Last Cal Time: 960702 00:13

Operator ID: TRFI2
Quant Time : 960712 13:44
Injected at: 960711 22:06

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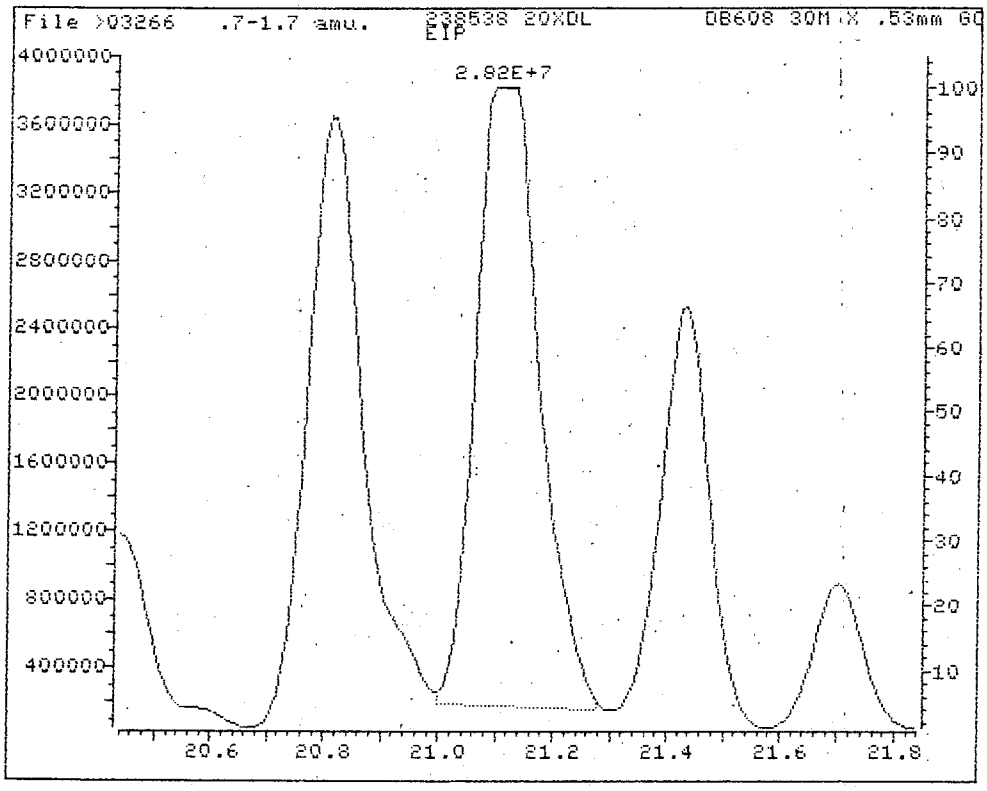
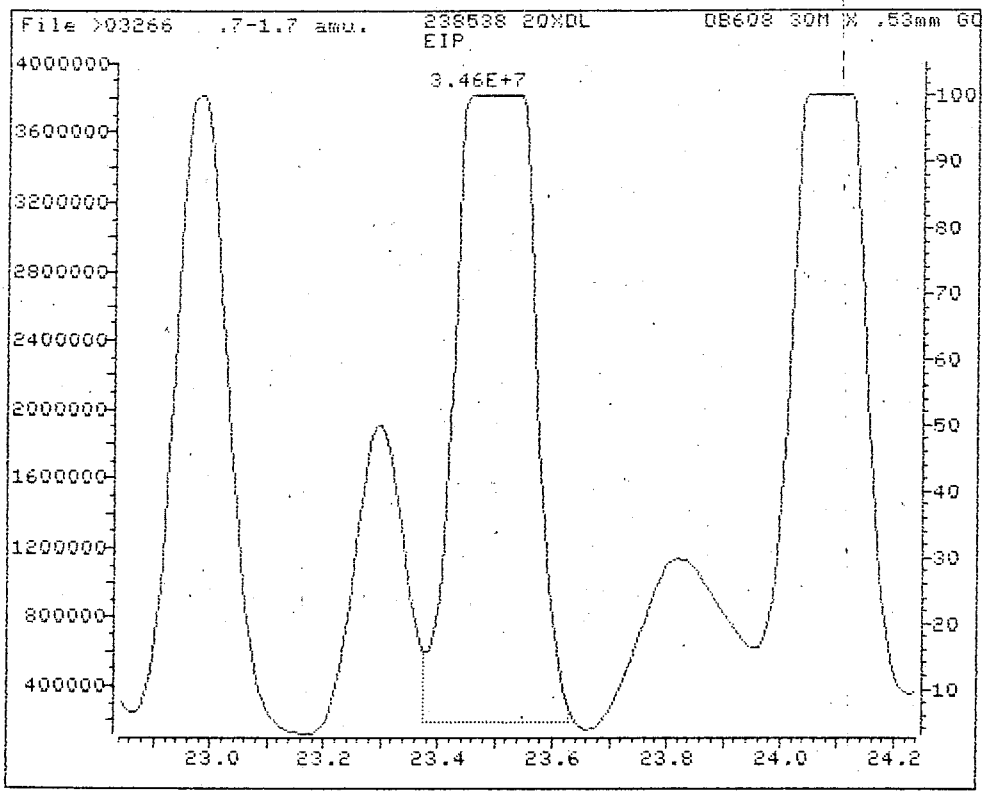


Data File: >03266::G3 Quant Output File: ^03266::GQ
Name: 238538 20XDL Instrument ID: GC03
Misc: DB608 30M X .53mm GC58903 1ul inj.
Quant Time: 960712 13:44 Quant ID File: IDCAP1::SC
Injected at: 960711 22:06 Last Calibration: 941029 10:07

Compound No: 51
Compound Name: Aroclor-1254(2)
Scan Number: 2532
Retention Time: 21.10 min.
Quant Ion: 1.0
Area: 28242640M
Concentration: 5096.23 ng/ml
q-value: 100

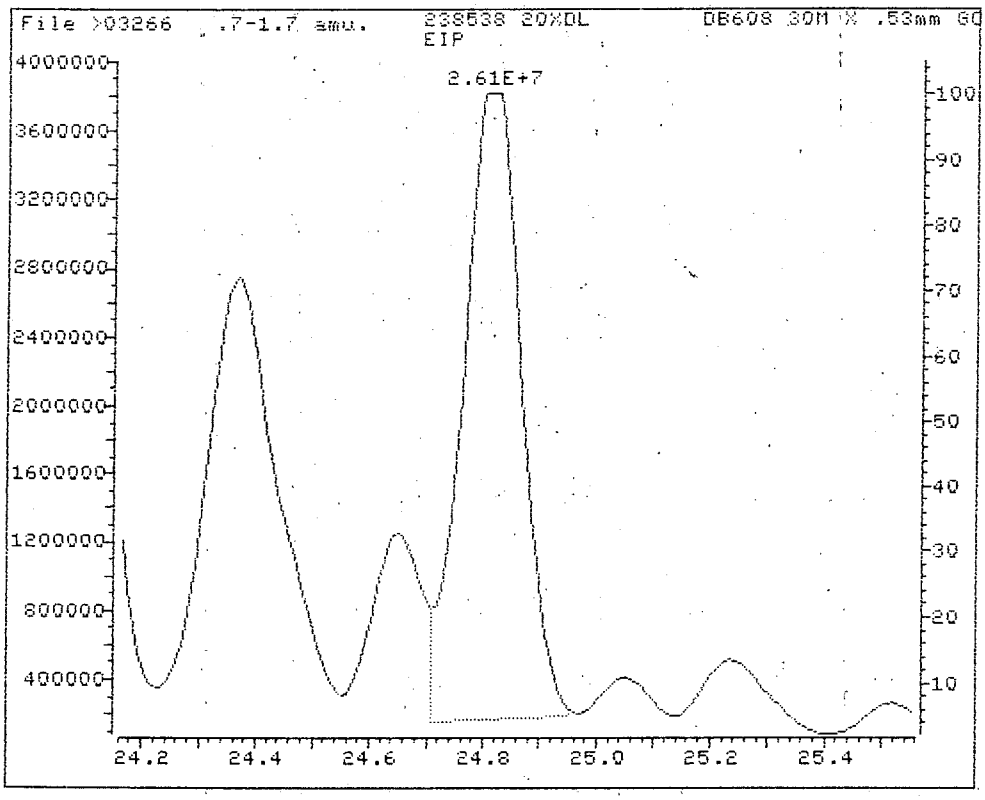
This report was produced by QAREA on: 960715 13:45



Data File: >03266::G3 Quant Output File: ^03266::GQ
Name: 238538 20XDL Instrument ID: GC03
Misc: DB608 30M X .53mm GC58903 1ul inj.
Quant Time: 960712 13:44 Quant ID File: IDCAP1::SC
Injected at: 960711 22:06 Last Calibration: 941029 10:07

Compound No: 53
Compound Name: Aroclor-1254(4)
Scan Number: 2815
Retention Time: 23.46 min.
Quant Ion: 1.0
Area: 34629112M
Concentration: 5703.94 ng/ml
q-value: 100

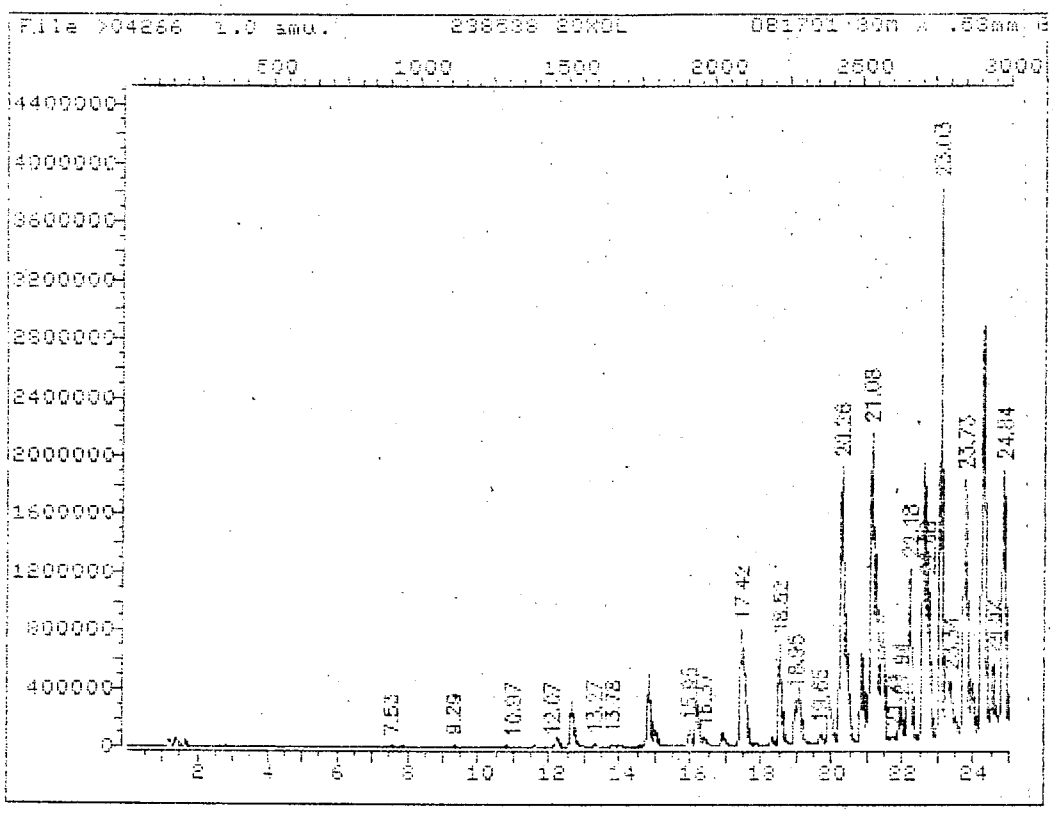
This report was produced by QAREA on: 960715 13:48



Data File: >03266::G3 Quant Output File: ^03266::GQ
Name: 238538 20XDL Instrument ID: GC03
Misc: DB608 30M X .53mm GC58903 1ul inj.
Quant Time: 960712 13:44 Quant ID File: IDCAP1::SC
Injected at: 960711 22:06 Last Calibration: 941029 10:07

Compound No: 54
Compound Name: Aroclor-1254(5)
Scan Number: 2977
Retention Time: 24.81 min.
Quant Ion: 1.0
Area: 26056900M
Concentration: 7267.05 ng/ml
q-value: 100

This report was produced by QAREA on: 960715 13:51



Date File: >04266::G1 Quant Output File: ^04266::GQ
Name: 238538 20XDL Instrument ID: GC04
Misc: DB1701 30M X .53mm GC58903 1ul inj

Id File: IDCAP2::SC
Title: Capillary Column DB1701
Last Calibration: 941029 10:07 Last Qcal Time: 960701 21:23

Operator ID: TRFIZ
Quant Time : 960712 07:33
Injected at: 960711 22:06

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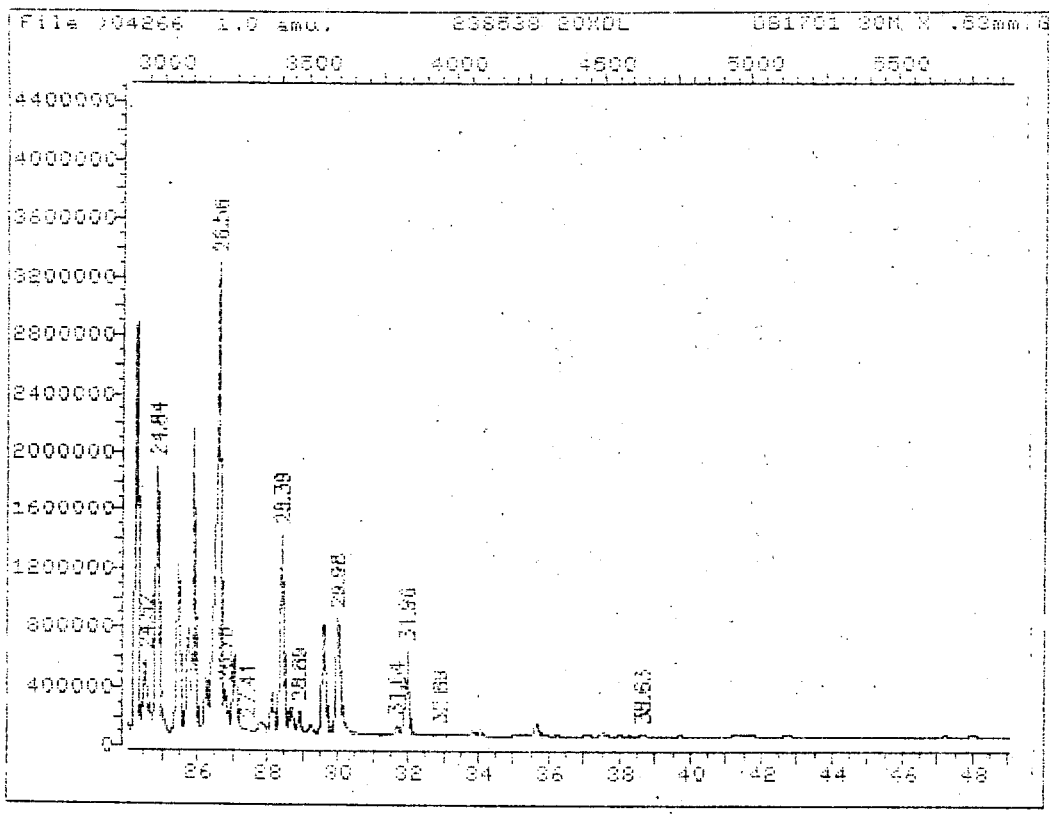

Data File: >04266::61 Quant Output File: ^04266::60
Name: 238538 20XDL Instrument ID: GC04
Misc: DB1701 30M X .53mm GC38903 1ul inj

Id File: IDCAP2::SC
Title: Capillary Column DB1701
Last Calibration: 941027 10:07 Last Scal Time: 960701 21:23

Operator ID: TRFIZ
Quant Time : 960712 07:33
Injected at: 960711 22:06

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QUANT REPORT

Operator ID: TSFII Quant Rev: 7 Quant Time: 960712 13:44
Output File: ^03266::QQ Injected at: 960711 22:06
Data File: >0726::03 Dilution Factor: 1.00000
Name: 232553 10XDL Instrument ID: SC03
Misc: DB608 30M X .53mm 1?9?03 1ul Inj.

SS2 DL

ID File: ICCAP1::SC
Title: Capillary Column DB 608
Last Calibration: 941029 10:07 Last Qcal Time: 960702 00:13

	Compound	R.T.	Scan#	Area	Conc	Units	q	
1)	#Tetrachloro-m-xylene	9.07	1088	269440	2.15	ng/ml	100	
2)	~~#alpha-BHC~~	12.46	1495	4058?07	27.42	ng/ml	100	NT
3)	~~#beta-BHC~~	14.87	1700	3011690	24.51	ng/ml	100	NT
4)	~~#delta-BHC~~	16.57	1?89	501855	4.15	ng/ml	100	NT
5)	~~#gamma-BHC (Lindane)~~	14.37	1727	504696	3.69	ng/ml	100	NT
6)	~~#Heptachlor~~	16.05	1926	303874.5	38.95	ng/ml	100	NT
7)	~~#Aldrin~~	17.37	2084	452317	3.36	ng/ml	100	NT
8)	~~#Heptachlor epoxide~~	19.97	2391	4171141	37.97	ng/ml	100	NT
9)	~~#Endosulfan I~~	21.70	2604	5154328	42.30	ng/ml	100	NT
10)	~~#Dieldrin~~	22.98	2758	24105116	254.94	ng/ml	100	NT
11)	~~#4,4'-DDE~~	22.98	2758	24105116	263.50	ng/ml	100	NT
12)	~~#Endrin~~	24.65	2958	5356923	62.59	ng/ml	100	NT
13)	~~#Endosulfan II~~	25.84	3101	10971432	113.92	ng/ml	100	NT
14)	~~#4,4'-DDD~~	25.52	3062	1232166	21.39	ng/ml	100	NT
15)	~~#Endosulfan Sulfate~~	28.37	3406	754675	10.55	ng/ml	100	NT
16)	~~#4,4'-DDT~~	27.04	3245	7569071	116.78	ng/ml	100	NT
17)	~~#Methoxychlor~~	32.44	3593	3574573	92.07	ng/ml	100	NT
18)	~~#Endrin ketone~~	32.86	3943	9451771	104.98	ng/ml	100	NT
19)	#Decachlorobiphenyl	41.60	4992	555625	4.47	ng/ml	100	
20)	~~#alpha Chlordane~~	21.43	2572	15112???	110.10	ng/ml	100	NT
21)	~~gamma Chlordane~~	20.81	2497	25148129	213.41	ng/ml	100	NT
22)	~~#Toxaphene(1)~~	23.82	2858	10492332	6542.47	ng/ml	100	NP
23)	~~#Aroclor-1016(1)~~	12.46	1495	4048322	1577.10	ng/ml	100	NP
24)	~~#Aroclor-1221(1)~~	8.07	968	121000	142.68	ng/ml	100	NP
25)	~~#Aroclor-1232(1)~~	12.46	1495	4048322	1413.12	ng/ml	100	NP
26)	~~#Aroclor-1242(1)~~	12.46	1495	4048322	1552.09	ng/ml	100	NP
27)	~~#Aroclor-1248(1)~~	16.05	1926	2959243	391.06	ng/ml	100	NP
28)	~~#Aroclor-1254(1)~~	20.81	2497	25148108	5303.90	ng/ml	100	~~NP~~ OK
29)	~~#Aroclor-1260(1)~~	24.37	2924	20201632	2605.97	ng/ml	100	NP
30)	~~#Endrin aldehyde~~	27.67	3320	7096227	69.77	ng/ml	100	NT
31)	~~#Toxaphene(2)~~	27.67	3320	7097459	3857.00	ng/ml	100	NP
32)	~~#Toxaphene(3)~~	28.39	3406	954877	374.03	ng/ml	100	NP
34)	~~#Aroclor-1016(2)~~	14.39	1727	504696	77.21	ng/ml	100	NP
35)	~~#Aroclor-1016(3)~~	16.05	1926	2959243	267.91	ng/ml	100	NP
36)	~~#Aroclor-1016(4)~~	16.67	2000	1795677	480.83	ng/ml	100	NP
37)	~~#Aroclor-1016(5)~~	18.99	2279	10229744	3010.83	ng/ml	100	NP
38)	~~#Aroclor-1221(2)~~	11.25	1350	181715	108.14	ng/ml	100	NP
39)	~~#Aroclor-1221(3)~~	12.46	1495	4048322	1060.84	ng/ml	100	NP
40)	~~#Aroclor-1232(2)~~	14.39	1727	504696	178.84	ng/ml	100	NP
41)	~~#Aroclor-1232(3)~~	16.05	1926	2959243	629.01	ng/ml	100	NP

RMO 7/19/96

QUANT EPORT

Operator ID: TAFI2 Quant Rev: 7 Quant Time: 960711 13:44
Output File: 03266::SQ Injected at: 960711 22:06
Data File: 03266::GS Dilution Factor: 1.00000
Name: 238555 20XDL Instrument ID: GC03
Misc: DB[illegible] 30M X .55mm [illegible] 1ul inj.

ID File: [illegible]
Title: Capillary Column [illegible]
Last Calibration: 941029 10:07 Last Qual Time: 960702 00:13

	Compound	R.T.	Scan#	Area	Conc	Units	q
42)	#~~Aroclor-1232(4)~~ NP	16.67	2000	1795677	1042.94	ng/ml	100
43)	#~~Aroclor-1242(2)~~ NP	14.39	1727	504691	95.77	ng/ml	100
44)	#Aroclor-1242(3) NP	16.05	1926	2959243	332.00	ng/ml	100
45)	#~~Aroclor-1242(4)~~ NP	16.67	2000	1795677	567.73	ng/ml	100
46)	#~~Aroclor-1242(5)~~ NP	18.99	2279	10229766	3422.52	ng/ml	100
47)	#~~Aroclor-1248(2)~~ NP	17.52	2102	9761048	3749.91	ng/ml	100
48)	#~~Aroclor-1248(3)~~ NP	18.99	2279	10229766	2463.44	ng/ml	100
49)	#~~Aroclor-1248(4)~~ NP	20.44	2453	7379346	1523.07	ng/ml	100
50)	#~~Aroclor-1248(5)~~ NP	21.70	2604	5154328	934.89	ng/ml	100
51)	#Aroclor-1254(2)	21.10	2532	28242640M	5096.23	ng/ml	100
52)	#Aroclor-1254(3)	22.68	2721	16794084	10415.58	ng/ml	100
53)	#Aroclor-1254(4)	23.46	2815	34629112M	5703.94	ng/ml	100
54)	#Aroclor-1254(5)	24.81	2977	26056900M	7267.05	ng/ml	100
55)	#~~Aroclor-1260(2)~~ NP	25.05	3006	1152971	164.61	ng/ml	100
56)	#~~Aroclor-1260(3)~~ NP	26.52	3182	15362444	2942.86	ng/ml	100
57)	#~~Aroclor-1260(4)~~ NP	30.11	3613	14567376	1348.25	ng/ml	100
58)	#~~Aroclor-1260(5)~~ NP	32.86	3943	9415740	1705.44	ng/ml	100

Compound uses ESTD

7/19/96

QUANT REPORT

Operator ID: TRFI2 Quant Rev: 7 Quant Time: 960712 07:33
Output File: ^04266::G0 Injected at: 960711 22:06
Data File: >04266::G1 Dilution Factor: 1.00000
Name: 238553 20XDL Instrument ID: GC04
Misc: DB1701 FOM X .55mm CC58903 1ul inj

ID File: IDCAP2::SC
Title: Capillary Column DB1701
Last Calibration: 941029 10:07 Last Qcal Time: 960701 21:23

	Compound	R.T.	Scan#	Area	Conc	Units	q
1)	#Tetrachloro-m-xylene	9.29	1115	82313	1.99	ng/ml	100
2)	~~#alpha-BHC~~	13.27	1593	114943	3.51	ng/ml	100
3)	~~#beta-BHC~~	18.52	2222	4427967	168.52	ng/ml	100
4)	~~#delta-BHC~~	19.65	2358	5288[illegible]	21.70	ng/ml	100
6)	~~#Heptachlor~~	16.37	1964	264254	5.57	ng/ml	100
7)	~~#Aldrin~~	17.42	2090	7430636	197.31	ng/ml	100
9)	~~#Endosulfan I~~	21.73	2608	69064	1.93	ng/ml	100
10)	~~#Dieldrin~~	23.54	2801	3510491	108.10	ng/ml	100
11)	~~#4,4'-DDE~~	22.68	2722	5775765	208.06	ng/ml	100
12)	~~#Endrin~~	24.52	2942	2456695	84.75	ng/ml	100
13)	~~#Endosulfan II~~	26.76	3211	1301483	36.36	ng/ml	100
14)	~~#4,4'-DDD~~	26.56	3187	21830736	1035.12	ng/ml	100
16)	~~#4,4'-DDT~~	27.41	3289	85787	5.21	ng/ml	100
18)	~~#Endrin ketone~~	32.89	3946	53248	1.89	ng/ml	100
19)	#Decachlorobiphenyl	38.63	4635	163180	3.49	ng/ml	100
20)	~~#alpha-Chlordane~~ NT	22.18	2662	7556392	181.19	ng/ml	100
21)	~~#gamma-Chlordane~~ NT	21.94	2633	1271977	31.83	ng/ml	100
23)	~~#Aroclor-1016(1)~~ NP	12.07	1448	29867	24.18	ng/ml	100
24)	~~#Aroclor-1221(1)~~ NP	7.53	904	40791	51.58	ng/ml	100
25)	~~#Aroclor-1232(1)~~ NP	7.53	904	40791	34.26	ng/ml	100
26)	~~#Aroclor-1242(1)~~ NP	12.07	1448	29867	28.23	ng/ml	100
27)	~~#Aroclor-1248(1)~~ NP	13.78	1654	132408	120.21	ng/ml	100
28)	#Aroclor-1254(1)	17.42	2090	7430636	4677.36	ng/ml	100
29)	~~#Aroclor-1260(1)~~ NP	23.73	2848	12105350	5239.66	ng/ml	100
30)	~~#Endrin aldehyde~~ NT	28.89	3466	1005922	33.11	ng/ml	100
31)	~~#Toxaphene(2)~~	28.39	3406	9674154	13422.53	ng/ml	100
33)	~~#Toxaphene(4)~~ NP	31.64	3797	455680	908.10	ng/ml	100
34)	~~#Aroclor-1016(2)~~	13.78	1654	132408	54.16	ng/ml	100
35)	~~#Aroclor-1016(3)~~	15.95	1914	649836	167.52	ng/ml	100
36)	~~#Aroclor-1016(4)~~ NP	16.37	1964	254937	175.06	ng/ml	100
37)	~~#Aroclor-1016(5)~~	18.52	2222	4427967	2148.79	ng/ml	100
38)	~~#Aroclor-1221(2)~~	10.97	1316	8958	13.66	ng/ml	100
39)	~~#Aroclor-1221(3)~~ NP	12.07	1448	29867	17.41	ng/ml	100
40)	~~#Aroclor-1232(2)~~	12.07	1448	29867	25.49	ng/ml	100
41)	~~#Aroclor-1232(3)~~ NP	13.78	1654	132408	128.59	ng/ml	100
42)	~~#Aroclor-1232(4)~~	15.95	1914	649836	415.99	ng/ml	100
43)	~~#Aroclor-1242(2)~~	13.78	1654	132408	66.66	ng/ml	100
44)	~~#Aroclor-1242(3)~~ NP	15.95	1914	649836	210.77	ng/ml	100
45)	~~#Aroclor-1242(4)~~	16.37	1964	254937	223.05	ng/ml	100
46)	~~#Aroclor-1242(5)~~	17.42	2090	7430636	8391.13	ng/ml	100

EPma
2/13/96

QUANT CHART Page 2

Operator ID: TRFI2 Quant Rev: 7 Quant Time: 960712 07:33
Output File: ^04266::G0 Injected at: 960711 22:06
Data File: ^04266::G1 Dilution Factor: 1.00000
Name: 278558 20XDL Instrument ID: GC04
Disc: DB1701 30M X .53mm 1058903 1ul inj

ID File: IDCAP2::SC
Title: Capillary Column DB1701
Last Calibration: 941027 10:07 Last Qcal Time: 960701 21:23

	Compound	R.T.	Scan#	Area	Conc	Units	q
47)	~~#Aroclor-1248(2)~~	15.95	1914	649836	248.76	ng/ml	100
48)	~~#Aroclor-1248(3)~~	18.52	2222	4427837	1797.30	ng/ml	100
49)	~~#Aroclor-1248(4)~~ NP	18.95	2274	1619617	917.44	ng/ml	100
50)	~~#Aroclor-1248(5)~~	20.26	2431	12693601	13225.25	ng/ml	100
51)	#Aroclor-1254(2)	20.26	2431	12693600	6249.29	ng/ml	100
52)	#Aroclor-1254(3)	21.08	2529	12877574	7019.36	ng/ml	100
53)	#Aroclor-1254(4)	23.03	2764	23885520	9367.89	ng/ml	100
54)	#Aroclor-1254(5)	23.73	2848	12105350	8925.54	ng/ml	100
55)	~~#Aroclor-1260(2)~~	24.84	2981	12887544	4746.60	ng/ml	100
56)	~~#Aroclor-1260(3)~~	28.39	3406	9536982	5373.43	ng/ml	100
57)	~~#Aroclor-1260(4)~~ NP	29.98	3597	6316530	1606.61	ng/ml	100
58)	~~#Aroclor-1260(5)~~	31.96	3835	5278616	2125.52	ng/ml	100

Compound uses ESTD

Efuci
7/13/96

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS2 DL

Lab Name: ICM Contract:

Lab Code: ICM Case No.: SAS No.: SDG No.: RIN1A

Matrix: (soil/water) SOIL Lab Sample ID: 238538

Sample wt/vol: 30.3 (g/mL) G Lab File ID: 03220

% Moisture: 11. decanted: (Y/N) N Date Received: 06/28/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 07/03/96

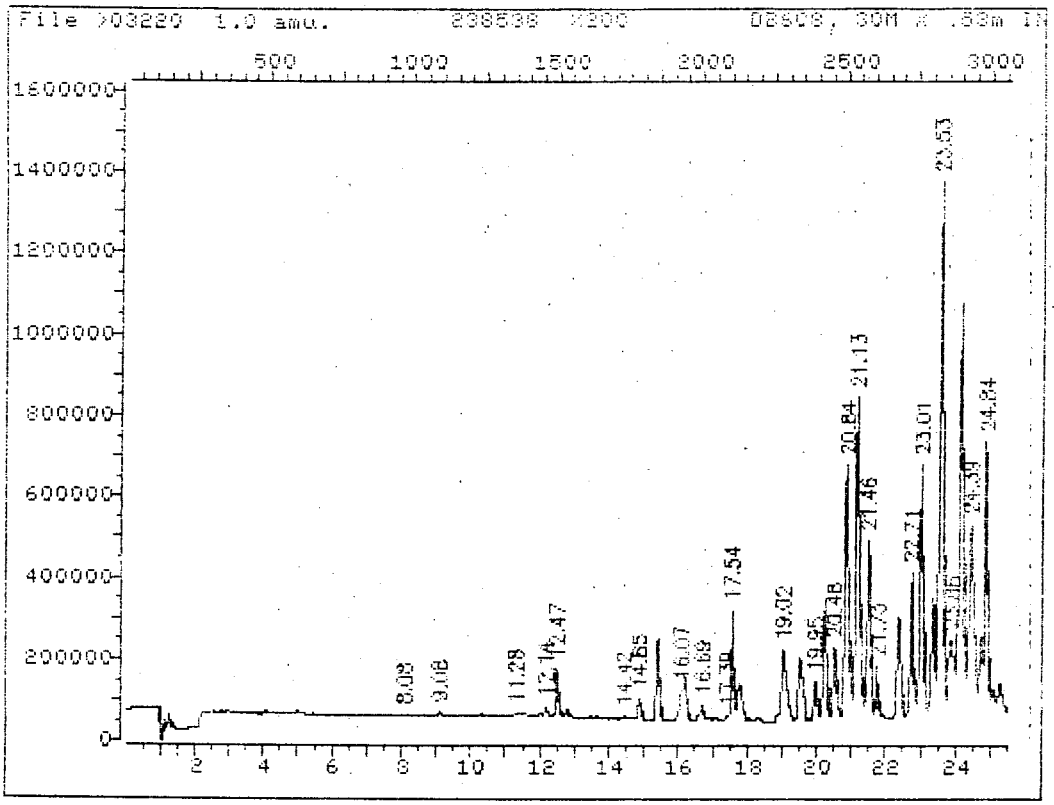
Concentrated Extract Volume: 5000 (uL) Date Analyzed: 07/09/96

Injection Volume: 1.0 (uL) Dilution Factor: 200.0

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

Do not use these data.

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
319-84-6	alpha-BHC	380.	U
319-85-7	beta-BHC	380.	U
319-86-8	delta-BHC	380.	U
58-89-9	gamma-BHC (Lindane)	380.	U
76-44-8	Heptachlor	380.	U
309-00-2	Aldrin	380.	U
1024-57-3	Heptachlor epoxide	380.	U
959-98-8	Endosulfan I	380.	U
60-57-1	Dieldrin	740.	U
72-55-9	4,4'-DDE	740.	U
72-20-8	Endrin	740.	U
33213-65-9	Endosulfan II	740.	U
72-54-8	4,4'-DDD	740.	U
1031-07-8	Endosulfan Sulfate	740.	U
50-29-3	4,4'-DDT	740.	U
72-43-5	Methoxychlor	3800.	U
53494-70-5	Endrin ketone	740.	U
7421-93-4	Endrin aldehyde	740.	U
5103-71-9	alpha-Chlordane	380.	U
5103-74-2	gamma-Chlordane	380.	U
8001-35-2	Toxaphene	38000.	U
12674-11-2	Aroclor-1016	7400.	U
11104-28-2	Aroclor-1221	15000.	U
11141-16-5	Aroclor-1232	7400.	U
53469-21-9	Aroclor-1242	7400.	U
12672-29-6	Aroclor-1248	7400.	U
11097-69-1	Aroclor-1254	88000.	D
11096-82-5	Aroclor-1260	7400.	U

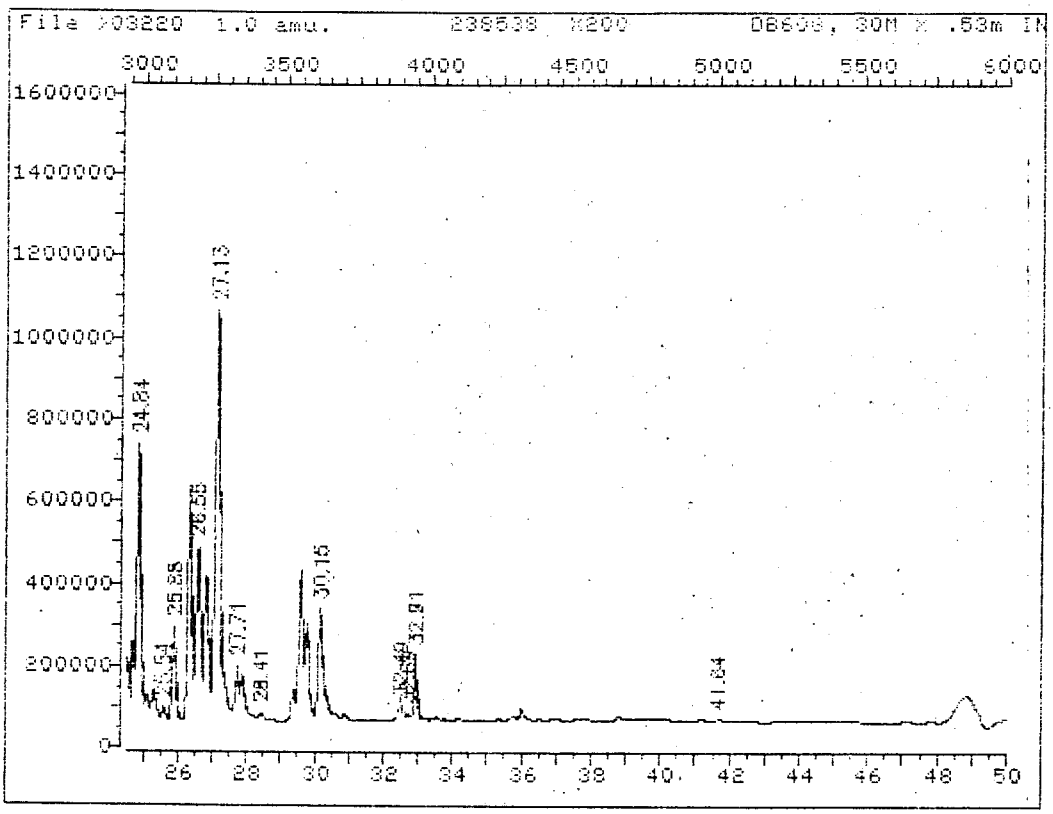


Data File: >03220::G3 Quant Output File: ^03220::F3
Name: 238538 X200 Instrument ID: GC03
Misc: DB608. 30M X .53m INST 58903. 1ul INJ

Id File: IDCAP1::SC
Title: Capillary Column DB 608
Last Calibration: 941029 10:07 Last Qcal Time: 960702 00:13

Operator ID: TRFIL
Quant Time : 960709 20:14
Injected at: 960709 17:37

Page 1 of 2

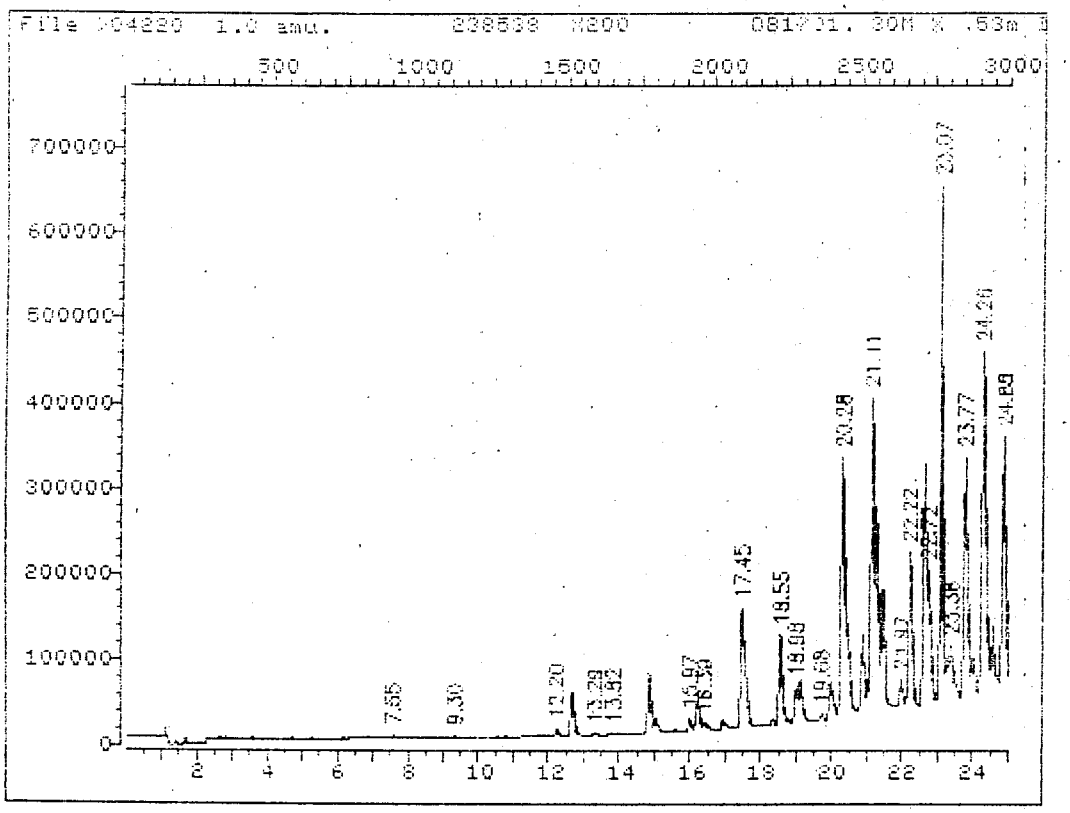


Data File: >03220::G3 Quant Output File: ^03220::F3
Name: 238538 X200 Instrument ID: GC03
Misc: DB608, 30M X .53m INST 58903, 1ul INJ

Id File: IDCAP1::SC
Title: Capillary Column DB 608
Last Calibration: 941029 10:07 Last Qual Time: 960702 00:13

Operator ID: TRFIL
Quant Time : 960709 20:14
Injected at: 960709 17:37

Page 2 of 2

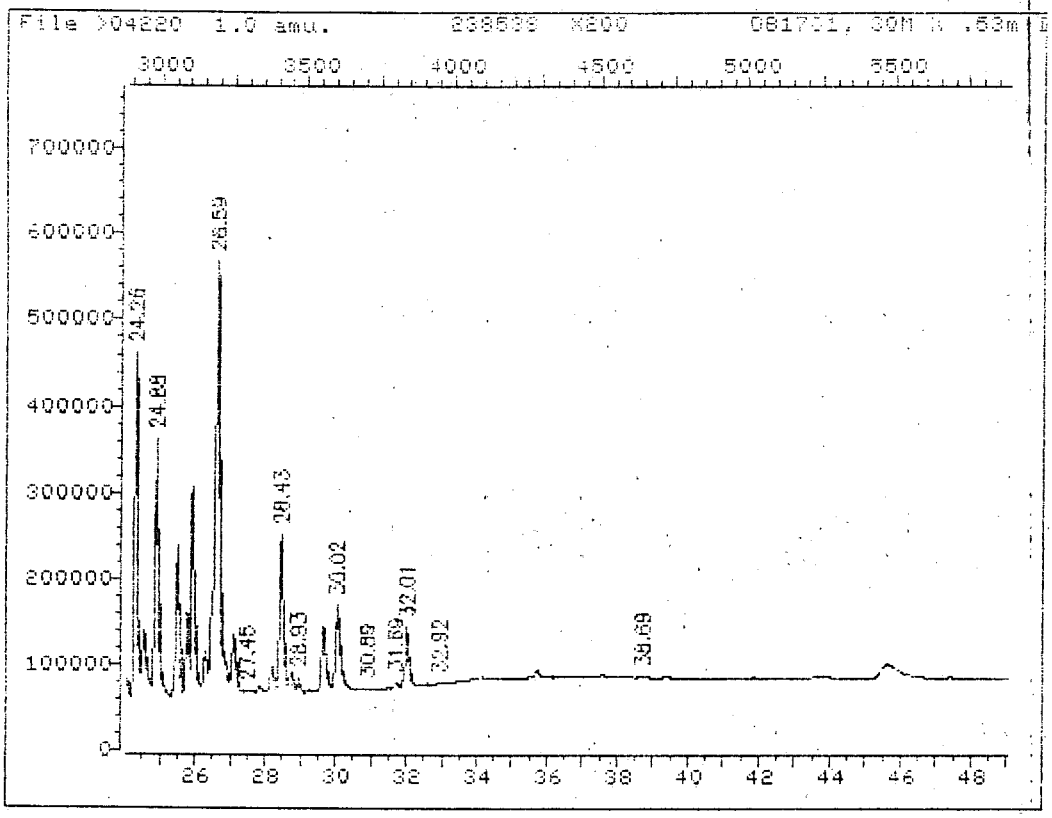


Data File: >04220::G1 Quant Output File: ^04220::F3
Name: 238538 X200 - Instrument ID: GC04
Misc: DB1701. 30M X .53m INST 58903, 1ul INJ

Id File: IDCAP2::SC
Title: Capillary Column DB1701
Last Calibration: 941029 10:07 Last Qcal Time: 960701 21:23

Operator ID: TRFIL
Quant Time: 960709 20:11
Injected at: 960709 17:37

Page 1 of 2



Data File: >04220::G1 Quant Output File: ^04220::F3
Name: 238538 X200 Instrument ID: GC04
Misc: DB1701, 30M X .53m INST 58903, 1ul INJ

Id File: IDCAP2::SC
Title: Capillary Column DB1701
Last Calibration: 941029 10:07 Last Qcal Time: 960701 21:23

Operator ID: TRFIL
Quant Time : 960709 20:11
Injected at: 960709 17:37

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QUANT REPORT

Operator ID: TRFIL Quant Rev: 7 Quant Time: 960709 20:14
Output File: >03220::F3 Injected at: 960709 17:37
Data File: >03220::G3 Dilution Factor: 1.00000
Name: 238538 X200 Instrument ID: GC03
Misc: DB608. 30M X .53m INST 58903. 1ul INJ

SS2 DL

ID File: IDCAP1::SC
Title: Capillary Column DB 608
Last Calibration: 941029 10:07 Last Qcal Time: 960702 00:13

	Compound	R.T.	Scan#	Area	Conc.	Units	q
1)	#Tetrachloro-m-xylene	9.08	1090	37064	.296	ng/ml	100
2)	~~#alpha BHC~~	12.47	1497	710385	4.80	ng/ml	100
3)	~~#beta BHC~~	14.85	1782	306841	3.74	ng/ml	100
4)	~~#delta BHC~~	16.69	2003	308362	2.55	ng/ml	100
5)	~~#gamma BHC (Lindane)~~	14.42	1731	89776	.657	ng/ml	100
7)	~~#Aldrin~~	17.39	2087	56617	.420	ng/ml	100
8)	~~#Heptachlor epoxide~~	19.95	2394	571278	5.20	ng/ml	100
9)	~~#Endosulfan-I~~	21.73	2607	905531	7.43	ng/ml	100
10)	~~#Dieldrin~~	23.01	2761	3749994	39.66	ng/ml	100
11)	~~#4,4' DDE~~	22.71	2725	2676745	29.26	ng/ml	100
12)	~~#Endrin~~	24.84	2981	4462781	52.14	ng/ml	100
13)	~~#Endosulfan II~~	25.88	3105	1595607	16.57	ng/ml	100
14)	~~#4,4' DDD~~	25.54	3065	229909	3.99	ng/ml	100
15)	~~#Endosulfan Sulfate~~	28.41	3409	134213	1.51	ng/ml	100
16)	~~#4,4' DDT~~	27.13	3255	7548100	116.45	ng/ml	100
17)	~~#Methoxychlor~~	32.49	3899	418615	10.78	ng/ml	100
18)	~~#Endrin ketone~~	32.69	3923	98037	1.09	ng/ml	100
19)	#Decachlorobiphenyl	41.64	4997	8129	.0679	ng/ml	100
20)	~~#alpha Chlordane~~ NT	21.46	2575	2585732	18.83	ng/ml	100
21)	~~#gamma Chlordane~~ NT	20.84	2501	4351100	36.92	ng/ml	100
22)	~~#Toxaphene(1)~~ NP	23.86	2863	1477176	921.09	ng/ml	100
23)	~~#Aroclor-1016(1)~~ NP	12.14	1457	129060	43.90	ng/ml	100
24)	~~#Aroclor-1221(1)~~ NP	8.08	970	8220	9.69	ng/ml	100
25)	~~#Aroclor-1232(1)~~ NP	12.14	1457	129060	45.05	ng/ml	100
26)	~~#Aroclor-1242(1)~~ NP	12.14	1457	129060	49.48	ng/ml	100
27)	~~#Aroclor-1248(1)~~ NP	16.07	1929	435464	57.55	ng/ml	100
28)	#Aroclor-1254(1)	20.84	2501	4351100	917.67	ng/ml	100
29)	~~#Aroclor-1260(1)~~	24.39	2927	3730479	481.22	ng/ml	100
30)	~~#Endrin aldehyde~~ NT	27.71	3325	921177	11.68	ng/ml	100
31)	~~#Toxaphene(2)~~ NP	27.71	3325	921177	500.60	ng/ml	100
32)	~~#Toxaphene(3)~~ NP	28.41	3409	134213	53.70	ng/ml	100
34)	~~#Aroclor-1016(2)~~ NP	14.42	1731	89776	13.73	ng/ml	100
35)	~~#Aroclor-1016(3)~~ NP	16.07	1929	435464	39.42	ng/ml	100
36)	~~#Aroclor-1016(4)~~ NP	16.69	2003	308362	82.57	ng/ml	100
37)	~~#Aroclor-1016(5)~~ NP	19.02	2282	1635429	481.34	ng/ml	100
38)	~~#Aroclor-1221(2)~~ NP	11.28	1354	37655	22.41	ng/ml	100
39)	~~#Aroclor-1221(3)~~ NP	12.14	1457	129060	33.82	ng/ml	100
40)	~~#Aroclor-1232(2)~~ NP	14.42	1731	89776	31.81	ng/ml	100
41)	~~#Aroclor-1232(3)~~ NP	16.07	1929	435464	92.56	ng/ml	100
42)	~~#Aroclor-1232(4)~~ NP	16.69	2003	308362	179.10	ng/ml	100

EPrice
7/10/96

QUANT REPORT

Operator ID: TRFIL
Output File: ^03220::F3
Data File: >03220::G3
Name: 238538 X200
Disc: DB608, 30M X .53m INST 58903, 1ul INJ

Quant Rev: 7. Quant Time: 960709 20:14
Injected at: 960709 17:37
Dilution Factor: 1.00000
Instrument ID: GC03

ID File: IDCAP1::SC
Title: Capillary Column DB 608
Last Calibration: 941029 10:07 Last Qcal Time: 960702 00:13

	Compound	R.T.	Scan#	Area	Conc	Units	q
43)	#~~Aroclor-1242(2)~~ NP	14.42	1731	89776	16.68	ng/ml	100
44)	#~~Aroclor-1242(3)~~ NP	16.07	1929	435464	48.86	ng/ml	100
45)	#~~Aroclor-1242(4)~~ NP	16.69	2003	308362	97.49	ng/ml	100
46)	#~~Aroclor-1242(5)~~ NP	19.02	2282	1635429	547.16	ng/ml	100
47)	#~~Aroclor-1248(2)~~ NP	17.54	2105	1776565	681.11	ng/ml	100
48)	#~~Aroclor-1248(3)~~ NP	19.02	2282	1635429	393.83	ng/ml	100
49)	#~~Aroclor-1248(4)~~ NP	20.48	2457	1067765	220.38	ng/ml	100
50)	#~~Aroclor-1248(5)~~ NP	21.73	2607	905531	164.25	ng/ml	100
51)	#Aroclor-1254(2)	21.13	2536	5580189	1006.91	ng/ml	100
52)	#Aroclor-1254(3)	22.71	2725	2676745	1660.10	ng/ml	100
53)	#Aroclor-1254(4)	23.53	2823	8398840	1383.42	ng/ml	100
54)	#Aroclor-1254(5)	24.84	2981	4462781	1244.63	ng/ml	100
55)	#~~Aroclor-1260(2)~~ NP	24.84	2981	4462781	637.14	ng/ml	100
56)	#~~Aroclor-1260(3)~~ NP	26.55	3186	3161748	605.67	ng/ml	100
57)	#~~Aroclor-1260(4)~~ NP	30.15	3618	2108429	195.14	ng/ml	100
58)	#~~Aroclor-1260(5)~~ NP	32.91	3949	1360984	246.51	ng/ml	100

Compound uses ESTD

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7/10/96

QUANT REPORT

Operator ID: TRFIL
Output File: ^04220::F3
Data File: >04220::G1
Name: 238538 X200
Disc: DB1701, 30M X .53m INST 58903, 1ul INJ

Quant Rev: 7
Quant Time: 960709 20:11
Injected at: 960709 17:37
Dilution Factor: 1.00000
Instrument ID: GC04

ID File: IDCAP2::SC
Title: Capillary Column DB1701
Last Calibration: 941029 10:07
Last Scal Time: 960701 21:23

	Compound	R.T.	Scan#	Area	Conc	Units	q
1)	#Tetrachloro-m-xylene	9.30	1116	12277	.296	ng/ml	100
2)	~~#alpha-BHC~~	13.29	1595	14694	.448	ng/ml	100
3)	~~#beta-BHC~~	18.55	2226	668406	25.44	ng/ml	100
4)	~~#delta-BHC~~	19.68	2361	55286	2.27	ng/ml	100
6)	~~#Heptachlor~~	16.39	1967	32408	.683	ng/ml	100
7)	~~#Aldrin~~	17.45	2094	1258183	33.41	ng/ml	100
10)	~~#Dieldrin~~	23.38	2805	260429	8.02	ng/ml	100
11)	~~#4,4'-DDE~~	22.72	2726	846341	30.49	ng/ml	100
12)	~~#Endrin~~	24.26	2911	3008256	103.77	ng/ml	100
13)	~~#Endosulfan I~~	26.59	3191	4003927	111.87	ng/ml	100
14)	~~#4,4'-DDD~~	26.59	3191	3979188	188.31	ng/ml	100
16)	~~#4,4'-DDT~~	27.45	3294	7533	.457	ng/ml	100
17)	~~#Methoxychlor~~	30.89	3706	13902	1.03	ng/ml	100
18)	~~#Endrin ketone~~	32.92	3950	9410	.334	ng/ml	100
19)	#Decachlorobiphenyl	38.69	4643	11601	.248	ng/ml	100
20)	~~#alpha-Chlordane~~	22.22	2666	1126890	27.02	ng/ml	100
21)	~~#gamma-Chlordane~~	21.97	2636	166050	4.16	ng/ml	100
23)	~~#Aroclor-1016(1)~~	12.20	1464	49690	40.23	ng/ml	100
24)	~~#Aroclor-1221(1)~~	7.55	906	12879	16.29	ng/ml	100
25)	~~#Aroclor-1232(1)~~	7.55	906	12879	10.82	ng/ml	100
26)	~~#Aroclor-1242(1)~~	12.20	1464	49690	46.97	ng/ml	100
27)	~~#Aroclor-1248(1)~~	13.82	1658	17565	15.95	ng/ml	100
28)	#Aroclor-1254(1)	17.45	2094	1253481	789.03	ng/ml	100
29)	~~#Aroclor-1260(1)~~	23.77	2852	1943718	841.32	ng/ml	100
30)	~~#Endrin aldehyde~~	28.93	3471	125104	4.12	ng/ml	100
31)	~~#Toxaphene(2)~~	28.43	3411	1331117	1846.88	ng/ml	100
33)	~~#Toxaphene(4)~~	31.69	3802	53954	107.52	ng/ml	100
34)	~~#Aroclor-1016(2)~~	13.82	1658	17565	7.18	ng/ml	100
35)	~~#Aroclor-1016(3)~~	15.97	1917	80687	20.80	ng/ml	100
36)	~~#Aroclor-1016(4)~~	16.39	1967	32473	22.30	ng/ml	100
37)	~~#Aroclor-1016(5)~~	18.55	2226	668406	324.36	ng/ml	100
39)	~~#Aroclor-1221(3)~~	12.20	1464	49690	28.97	ng/ml	100
40)	~~#Aroclor-1232(2)~~	12.20	1464	49690	42.42	ng/ml	100
41)	~~#Aroclor-1232(3)~~	13.82	1658	17565	17.06	ng/ml	100
42)	~~#Aroclor-1232(4)~~	15.97	1917	80687	51.65	ng/ml	100
43)	~~#Aroclor-1242(2)~~	13.82	1658	17565	8.84	ng/ml	100
44)	~~#Aroclor-1242(3)~~	15.97	1917	80687	26.17	ng/ml	100
45)	~~#Aroclor-1242(4)~~	16.39	1967	32473	28.41	ng/ml	100
46)	~~#Aroclor-1242(5)~~	17.45	2094	1253481	1584.20	ng/ml	100
47)	~~#Aroclor-1248(2)~~	15.97	1917	80687	30.89	ng/ml	100

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7/10/96

QUANT REPORT

Operator ID: TRFIL
Quant Rev: 2
Quant Time: 960709 20:11
Output File: ^04220::F3
Injected at: 960709 17:37
Data File: >04220::G1
Dilution Factor: 1.00000
Name: 238538 X200
Instrument ID: GC04
Misc: DB1701, 30M X .53m INST 58903, 1ul INJ

ID File: IDCAP2::SC
Title: Capillary Column DB1701
Last Calibration: 941029 10:07
Last Qual Time: 960701 21:23

	Compound	R.T.	Scan#	Area	Conc	Units	q
48)	#Ar~~oclor 1248(3)~~ NP	18.55	2226	668406	271.30	ng/ml	100
49)	#~~Aroclor-1248~~(4) NP	18.98	2277	220186	124.73	ng/ml	100
50)	#A~~roclor 1248~~(5) NP	20.28	2434	2066937	2153.51	ng/ml	100
51)	#Aroclor-1254(2)	20.28	2434	2066937	1016.61	ng/ml	100
52)	#Aroclor-1254(3)	21.11	2533	2214205	1207.30	ng/ml	100
53)	#Aroclor-1254(4)	23.07	2768	3818633	1497.68	ng/ml	100
54)	#Aroclor-1254(5)	23.77	2852	1943718	1433.15	ng/ml	100
55)	#~~Aroclor 1260~~(2) NP	24.88	2985	2178525	802.37	ng/ml	100
56)	#~~Aroclor 1260~~(3) NP	28.43	3411	1334346	751.81	ng/ml	100
57)	#~~Aroclor 1260~~(4) NP	30.02	3602	911542	231.85	ng/ml	100
58)	#~~Aroclor 1260~~(5) NP	32.01	3841	663091	267.00	ng/ml	100

Compound uses ESTD

EPMa
7/10/96

QUANT REPORT

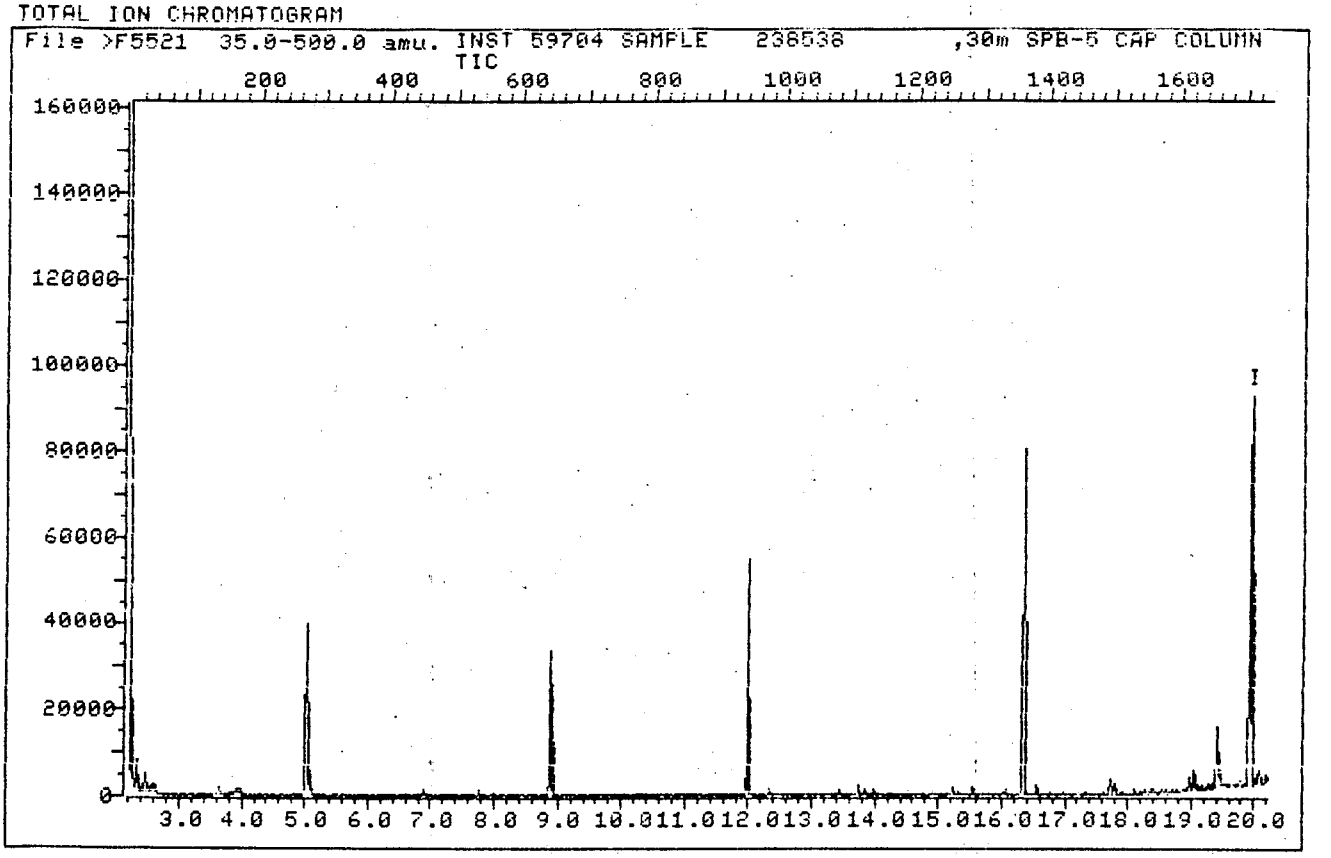
Operator ID: GT0101 Quant Rev: 7 Quant Time: 960709 09:30
Output File: ^F5521::QT Injected at: 960708 18:29
Data File: >F5521::F1 Dilution Factor: 1.00000
Name: INST 59704 SAMPLE Instrument ID: INST F
Misc: 238538 ,30m SPB-5 CAP COLUMN BTL# 5

ID File: IDPEST::SC
Title: CLP PESTICIDE CONFIRMATION FILE
Last Calibration: : Last Qcal Time: 960705 12:13

	Compound	R.T.	Q ion	Area	Conc	Units	q
1)	*Phenanthrene-d10	19.92	188.0	66472	40.00	UG/ML	100
16)	4,4'-DDD	26.06	235.0	52	.0337	UG/ML	80
19)	4,4'-DDT	26.06	235.0	52	.0370	UG/ML	86
21)	Methoxychlor	27.77	227.0	144	.0534	UG/ML	85

* Compound is ISTD

TOTAL ION CHROMATOGRAM



Data File: >F5521::F1 Quant Output File: ^F5521::QT
Name: INST 59704 SAMPLE Instrument ID: INST F
Misc: 238538 ,30m SPB-5 CAP COLUMN BTL# 5

Id File: IDPEST::SC
Title: CLP PESTICIDE CONFIRMATION FILE
Last Calibration: : Last Qcal Time: 960705 12:13

Operator ID: GT0101
Quant Time : 960709 09:30
Injected at: 960708 18:29

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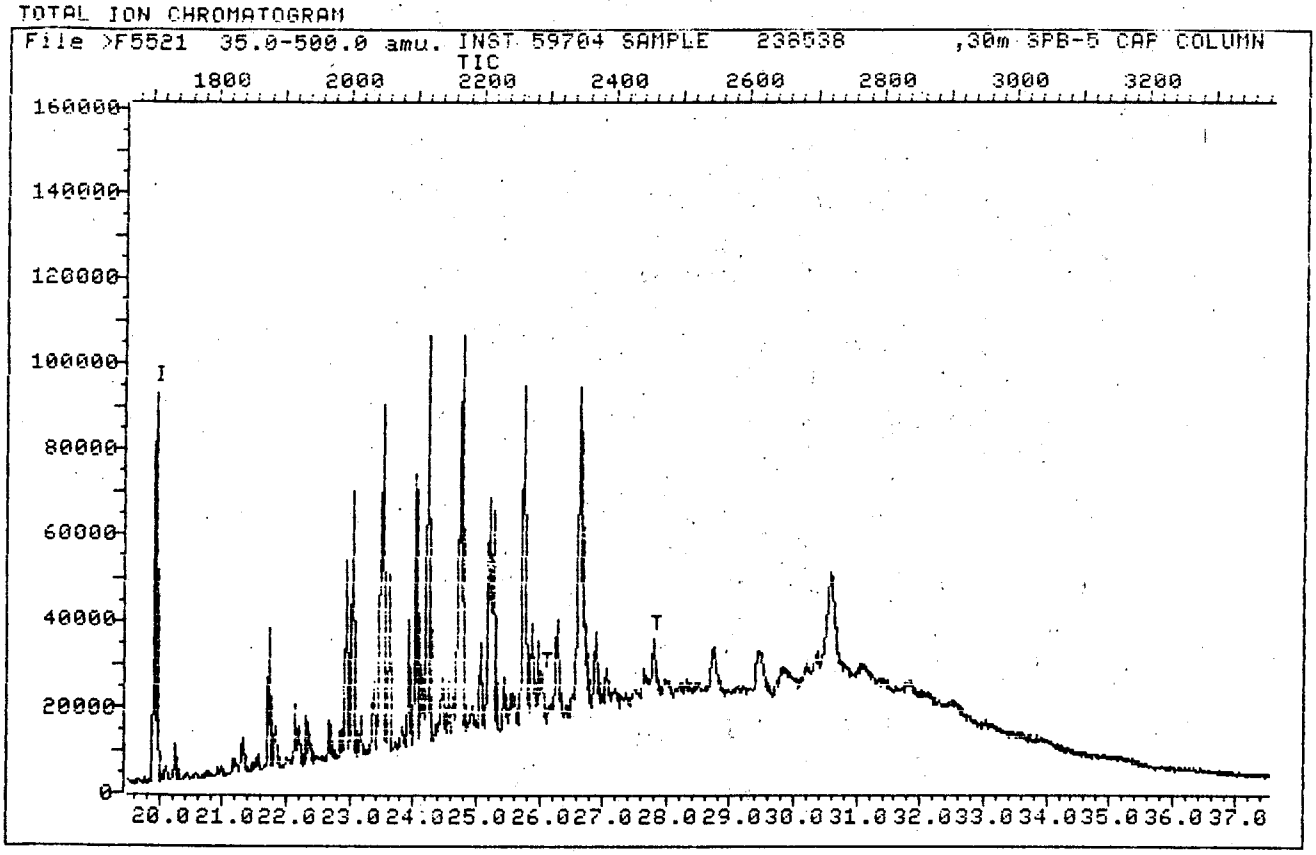
TOTAL ION CHROMATOGRAM



Data File: >F5521::F1 Quant Output File: ^F5521::QT
Name: INST 59704 SAMPLE Instrument ID: INST F
Misc: 238538 ,30m SPB-5 CAP COLUMN BTL# 5

Id File: IDPEST::SC
Title: CLP PESTICIDE CONFIRMATION FILE
Last Calibration: : Last Qcal Time: 960705 12:13

Operator ID: GT0101
Quant Time : 960709 09:30
Injected at: 960708 18:29

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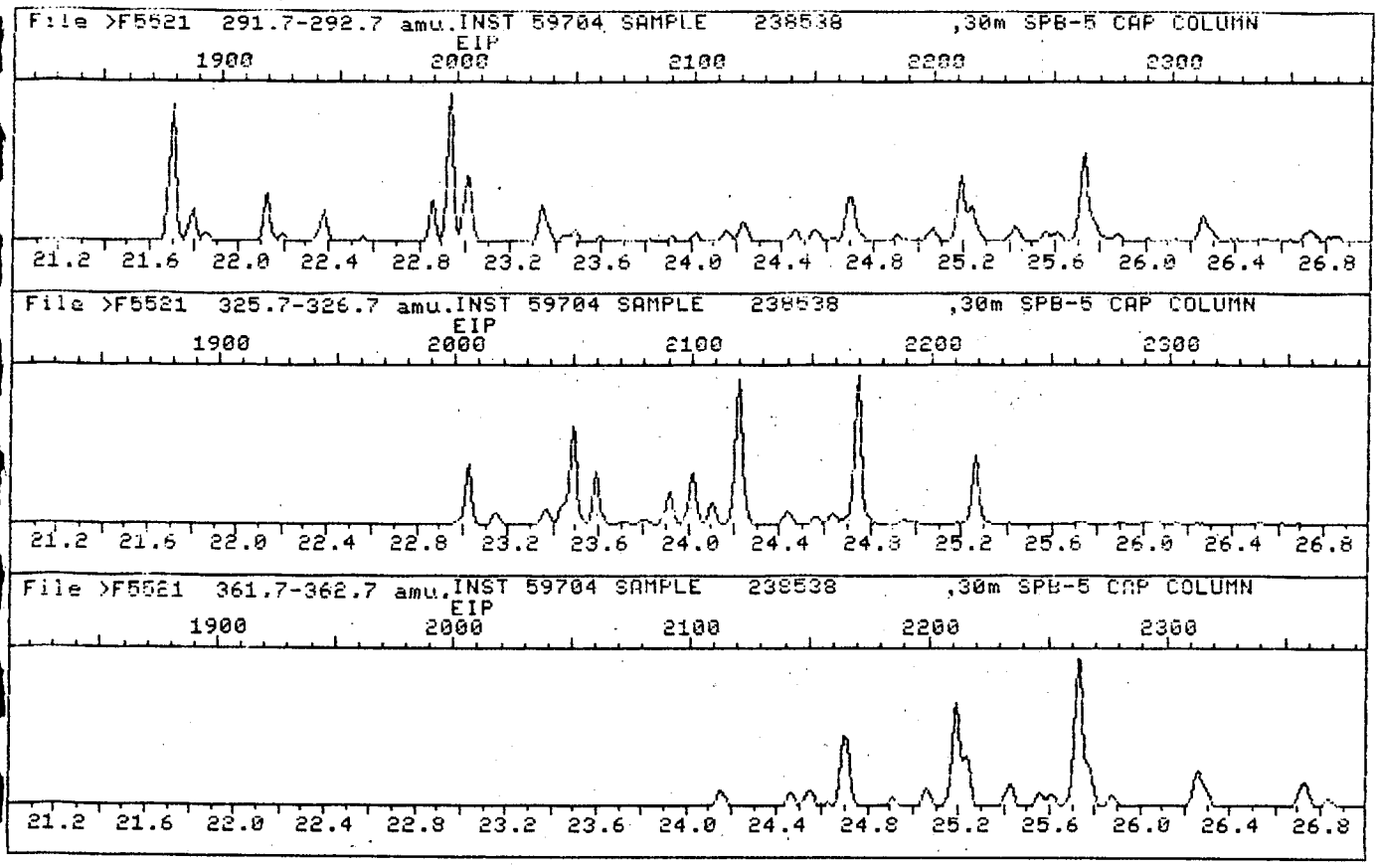


MS data file header from : >F5521::F1

Sample: INST 59704 SAMPLE Operator: GT0101 SUPER GRP. 7/08/96 18:29
Misc : 238538 ,30m SPB-5 CAP COLUMN BTL# 5
Sys. #: 1 MS model: 70 SW/HW rev.: LF ALS # : 5 Equip ID: INST F
Method file: BNP4 Tuning file: MTA004 No. of extra records: 2
Source temp.: N/A Analyzer temp.: N/A Transfer line temp. : 0

Chromatographic temperatures :	40.	280.	300.	0.	0.
Chromatographic times, min. :	4.0	1.0	20.0	0.0	0.0
Chromatographic rate, deg/min:	10.0	10.0	0.0	0.0	0.0

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS3

Lab Name: ICM Contract:

Lab Code: ICM Case No.: SAS No.: SDG No.: RIN1A

Matrix: (soil/water) SOIL Lab Sample ID: 238540

Sample wt/vol: 30.6 (g/mL) G Lab File ID: 03165

% Moisture: 9. decanted: (Y/N) N Date Received: 06/28/96

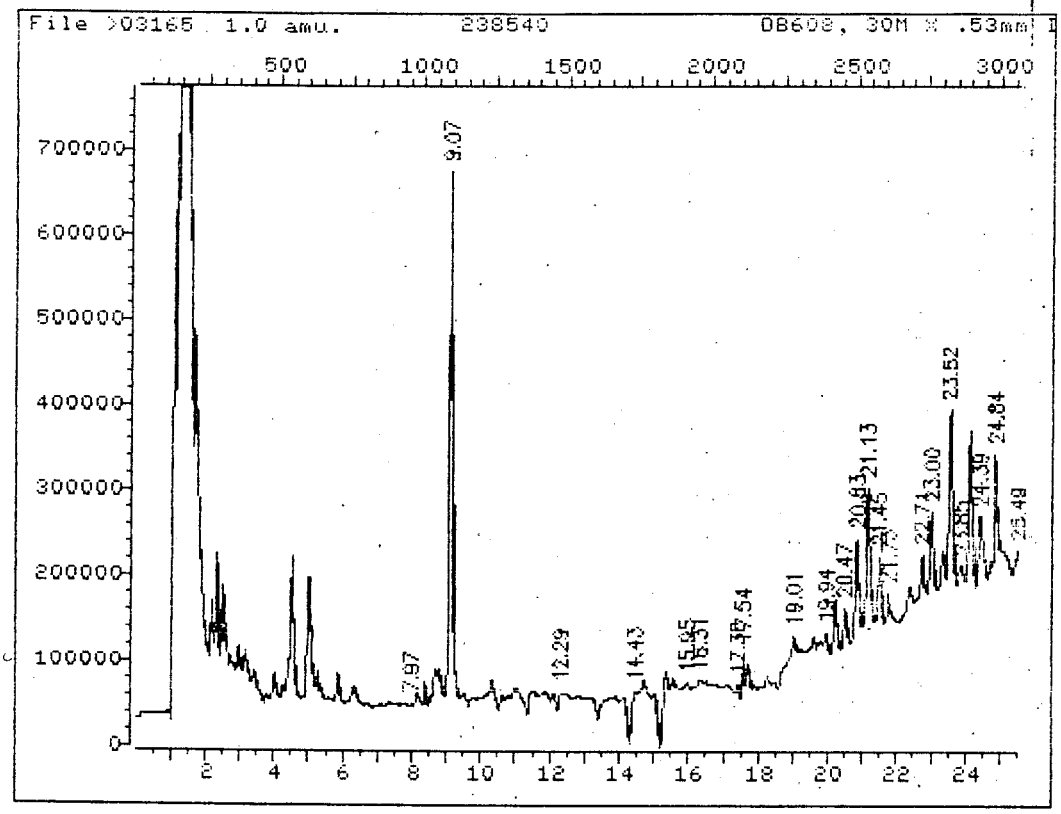
Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 07/03/96

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 07/07/96

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
319-84-6	alpha-BHC	1.8	U
319-85-7	beta-BHC	1.8	U
319-86-8	delta-BHC	1.8	U
58-89-9	gamma-BHC (Lindane)	1.8	U
76-44-8	Heptachlor	1.8	U
309-00-2	Aldrin	1.8	U
1024-57-3	Heptachlor epoxide	1.8	U
959-98-8	Endosulfan I	1.8	U
60-57-1	Dieldrin	3.6	U
72-55-9	4,4'-DDE	3.6	U
72-20-8	Endrin	3.6	U
33213-65-9	Endosulfan II	3.6	U
72-54-8	4,4'-DDD	3.6	U
1031-07-8	Endosulfan Sulfate	3.6	U
50-29-3	4,4'-DDT	3.6	U
72-43-5	Methoxychlor	18.	U
53494-70-5	Endrin ketone	3.6	U
7421-93-4	Endrin aldehyde	3.6	U
5103-71-9	alpha-Chlordane	1.8	U
5103-74-2	gamma-Chlordane	1.8	U
8001-35-2	Toxaphene	180.	U
12674-11-2	Aroclor-1016	36.	U
11104-28-2	Aroclor-1221	72.	U
11141-16-5	Aroclor-1232	36.	U
53469-21-9	Aroclor-1242	36.	U
12672-29-6	Aroclor-1248	36.	U
11097-69-1	Aroclor-1254	77.	
11096-82-5	Aroclor-1260	36.	U

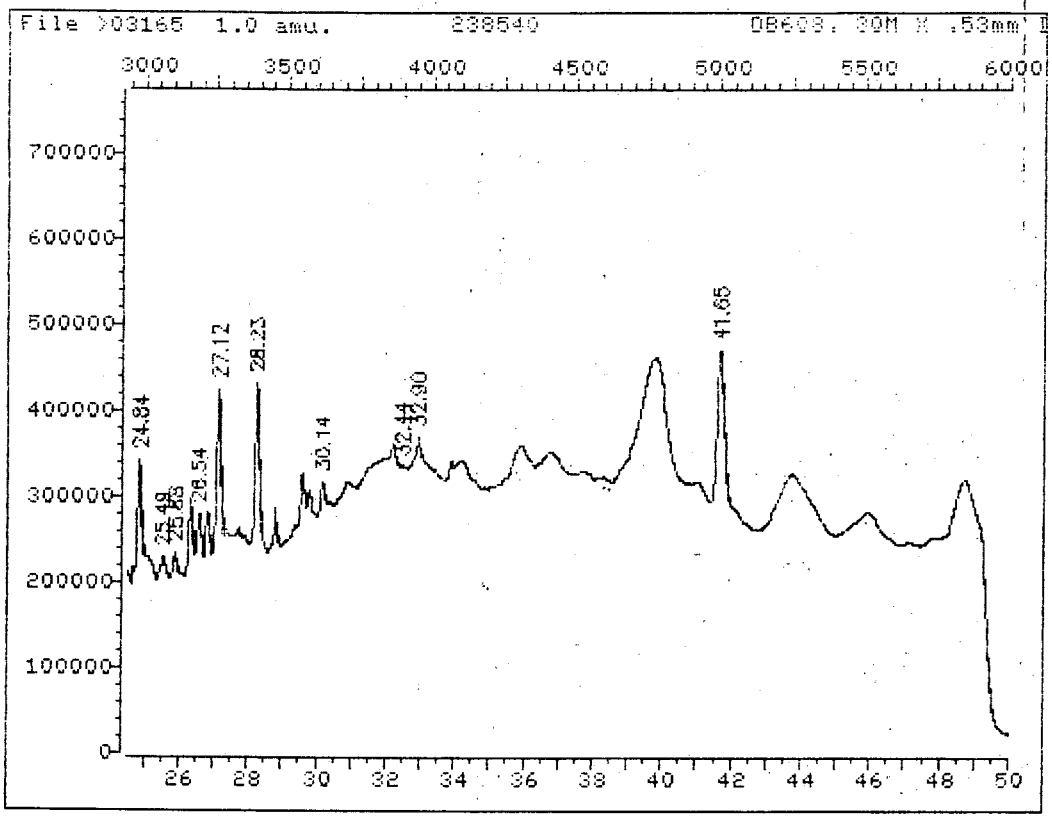


Data File: >03165::G3 Quant Output File: ^03165::F3
Name: 238540 Instrument ID: GC03
Misc: DB608, 30M X .53mm INST 58903, 1ul INJ

Id File: IDCAP1::SC
Title: Capillary Column DB 608
Last Calibration: 941029 10:07 Last Qual Time: 960702 00:13

Operator ID: TRFIL
Quant Time : 960707 04:42
Injected at: 960707 03:48

Page 1 of 2

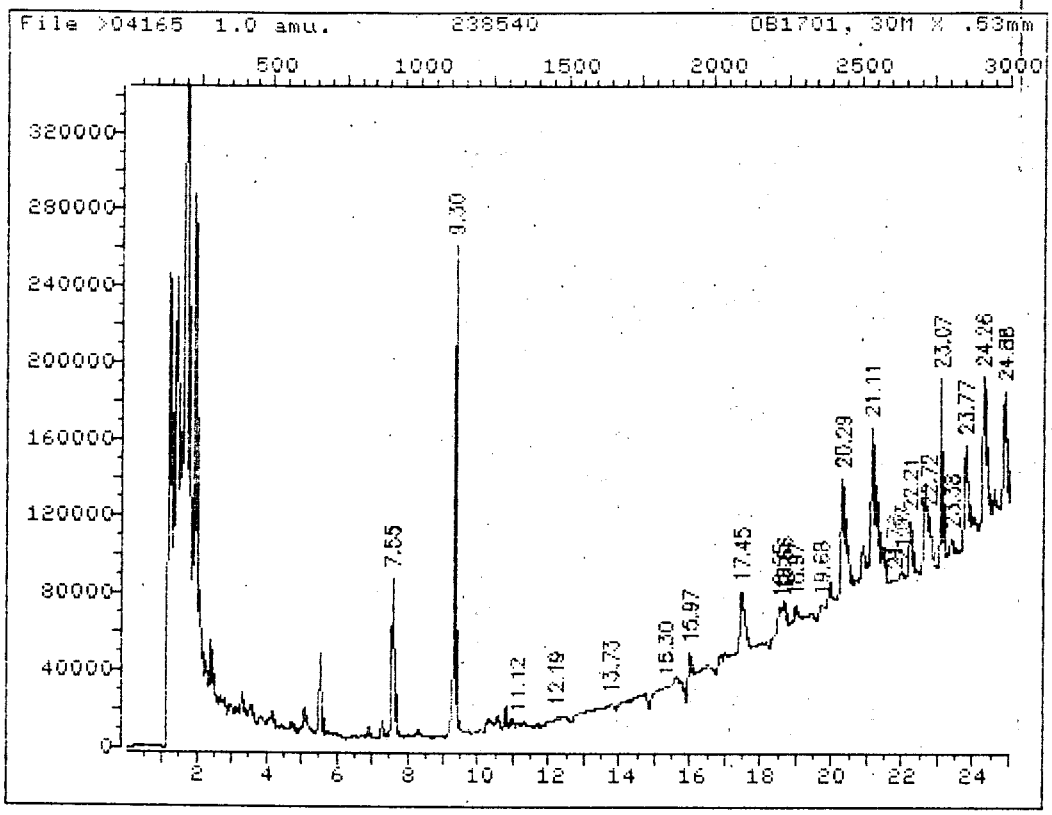


Data File: >03165::G3 Quant Output File: ^03165::F3
Name: 238540 Instrument ID: GC03
Misc: DB608, 30M X .53mm INST 58903, 1ul INJ

Id File: IDCAP1::SC
Title: Capillary Column DB 608
Last Calibration: 941029 10:07 Last Qcal Time: 960702 00:13

Operator ID: TRFIL
Quant Time : 960707 04:42
Injected at: 960707 03:48

Page 2 of 2

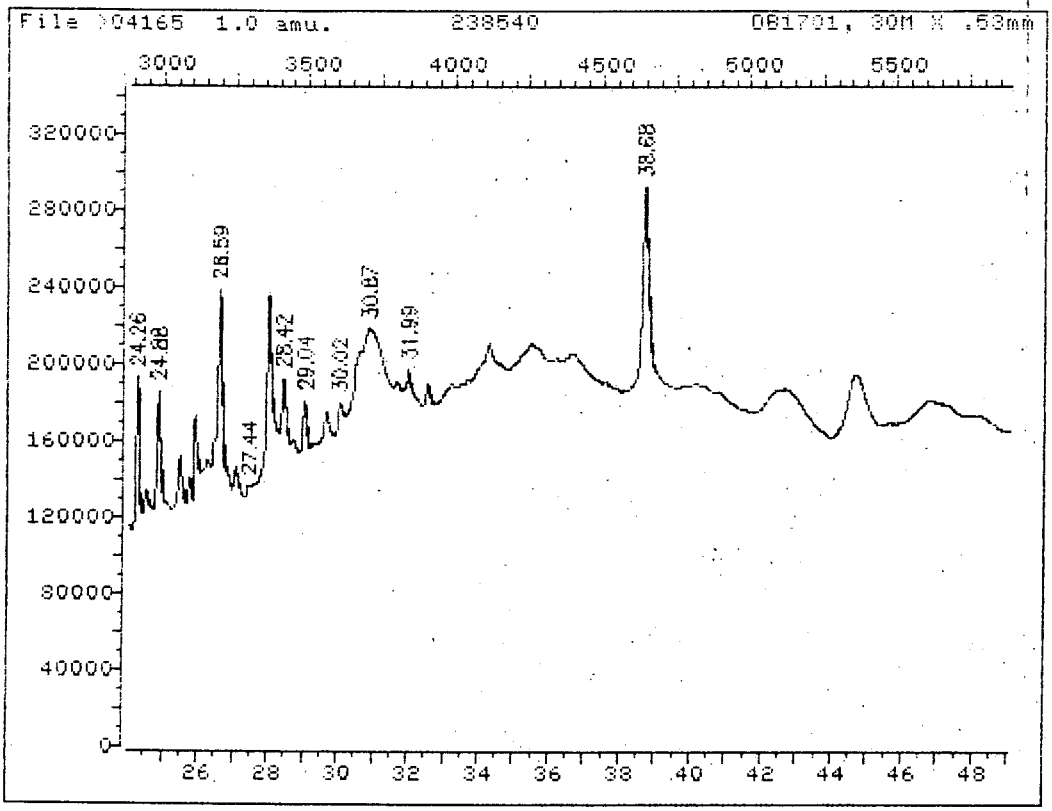


Data File: >04165::G5 Quant Output File: ^04165::F3
Name: 238540 Instrument ID: GC04
Misc: DB1701, 30M X .53mm INST 58903, 1ul INJ

Id File: IDCAP2::SC
Title: Capillary Column DB1701
Last Calibration: 941029 10:07 Last Qcal Time: 960701 21:23

Operator ID: TRFIL
Quant Time : 960707 04:39
Injected at: 960707 03:48

Page 1 of 2



Data File: >04165::G5 Quant Output File: ^04165::F3
Name: 238540 Instrument ID: GC04
Misc: DB1701, 30M X .53mm INST 58903, 1ul INJ

Id File: IDCAP2::SC
Title: Capillary Column DB1701
Last Calibration: 941029 10:07 Last Qcal Time: 960701 21:23

Operator ID: TRFIL
Quant Time : 960707 04:39
Injected at: 960707 03:48

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QUANT REPORT

Operator ID: TRFIL Quant Rev: 7 Quant Time: 960707 04:42
Output File: ^03165::F3 Injected at: 960707 03:48
Data File: >03165::G3 Dilution Factor: 1.00000
Name: 238540 Instrument ID: GC03
Disc: DB608. 30M X .53mm INST 58903. 1ul INJ

ID File: IDCAP1::SC
Title: Capillary Column DB 608
Last Calibration: 941029 10:07 Last Qcal Time: 960702 00:13

	Compound	R.T.	Scan#	Area	Conc	Units	q
1)	#Tetrachloro-m-xylene	9.07	1089	3754985	30.01	ng/ml	100
2)	#~~alpha BHC~~	12.29	1475	219868	1.49	ng/ml	100
4)	#~~delta BHC~~	16.31	1957	69051	.571	ng/ml	100
5)	#~~gamma-BHC (Lindane)~~	14.43	1732	654181	4.79	ng/ml	100
7)	#~~Aldrin~~	17.38	2086	82952	.616	ng/ml	100
8)	#~~Heptachlor epoxide~~	19.94	2393	131945	1.20	ng/ml	100
9)	#E~~ndosulfan~~ I	21.73	2607	359600	2.95	ng/ml	100
10)	#D~~ieldrin~~	23.00	2760	632398	6.69	ng/ml	100
11)	#~~4,4'-DDE~~ NT	22.71	2725	349587	3.82	ng/ml	100
12)	#~~Endrin~~	24.84	2981	927528	10.84	ng/ml	100
13)	#~~Endosulfan II~~	25.88	3105	228563	2.37	ng/ml	100
14)	#~~4,4'-DDD~~	25.49	3059	294499	5.11	ng/ml	100
15)	#~~Endosulfan Sulfate~~	28.23	3387	1698501	19.16	ng/ml	100
16)	#~~4,4'-DDT~~	27.12	3254	1523861	23.51	ng/ml	100
17)	#M~~ethoxych~~lor	32.44	3893	13756	.354	ng/ml	100
18)	#~~Endrin ketone~~	32.90	3948	621579	6.90	ng/ml	100
19)	#Decachlorobiphenyl	41.65	4998	2619432	21.88	ng/ml	100
20)	#~~alpha Chlordane~~ NT	21.45	2574	461340	3.36	ng/ml	100
21)	#~~gamma Chlordane~~ NT	20.83	2500	799644	6.79	ng/ml	100
22)	#~~Toxaphene(~~1) NP	23.85	2862	252029	157.15	ng/ml	100
23)	#~~Aroclor-1016(~~1) NP	12.29	1475	219868	74.79	ng/ml	100
24)	#~~Aroclor-1221(~~1) NP	7.97	956	14580	17.19	ng/ml	100
25)	#~~Aroclor-1232~~(1) NP	12.29	1475	219868	76.75	ng/ml	100
26)	#~~Aroclor-1242(~~1) NP	12.29	1475	219868	84.30	ng/ml	100
27)	#~~Aroclor-1248(~~1) NP	15.95	1914	55464	7.33	ng/ml	100
28)	#Aroclor-1254(1)	20.83	2500	825510	174.10	ng/ml	100
29)	#~~Aroclor 1260(1)~~ NP	24.39	2927	723006	93.27	ng/ml	100
32)	#~~Toxaphene(3)~~ ND	28.23	3387	1698501	679.54	ng/ml	100
34)	#~~Aroclor-1016(~~2) NP	14.43	1732	654181	100.07	ng/ml	100
35)	#~~Aroclor-1016(~~3) NP	15.95	1914	55464	5.02	ng/ml	100
37)	#~~Aroclor 1016(5~~) NP	19.01	2281	1154035	339.66	ng/ml	100
39)	#~~Aroclor 1221(~~3) NP	12.29	1475	219868	57.62	ng/ml	100
40)	#~~Aroclor 1232(2~~) NP	14.43	1732	654181	231.81	ng/ml	100
41)	#~~Aroclor 1232(3~~) NP	15.95	1914	55464	11.79	ng/ml	100
43)	#~~Aroclor 1242(2~~) NP	14.43	1732	654181	121.54	ng/ml	100
44)	#~~Aroclor 1242(~~3) NP	15.95	1914	55464	6.22	ng/ml	100
46)	#~~Aroclor 1242(5~~) NP	19.01	2281	1154035	386.10	ng/ml	100
47)	#~~Aroclor-1248(~~2) NP	17.54	2105	298757	114.54	ng/ml	100
48)	#~~Aroclor-1248(~~3) NP	19.01	2281	1154035	277.90	ng/ml	100
49)	#~~Aroclor 1248(4)~~ NP	20.47	2456	296148	61.12	ng/ml	100

EBrui
7/8/96

Operator ID: TRFIL Quant Rev: 7 Quant Time: 960707 04:42
Output File: ^03165::F3 Injected at: 960707 03:48
Data File: >03165::G3 Dilution Factor: 1.00000
Name: 238540 Instrument ID: GC03
Disc: DB608. 30M X .53mm INST 58903, 1ul INJ

ID File: IDCAP1::3C
Title: Capillary Column DB 608
Last Calibration: 941029 10:07 Last Qcal Time: 960702 00:13

	Compound	R.T.	Scan#	Area	Conc	Units	q
50)	#~~Aroclor 1248(5)~~ NP	21.73	2607	356451	64.65	ng/ml	100
51)	#Aroclor-1254(2)	21.13	2536	1206595	217.72	ng/ml	100
52)	#Aroclor-1254(3)	22.71	2725	327182	202.92	ng/ml	100
53)	#Aroclor-1254(4)	23.52	2822	1336542	220.15	ng/ml	100
54)	#Aroclor-1254(5)	24.84	2981	927528	258.68	ng/ml	100
55)	#~~Aroclor 1260(~~2) NP	24.84	2981	927528	132.42	ng/ml	100
56)	#~~Aroclor-1260(~~3) NP	26.54	3185	441208	84.52	ng/ml	100
57)	#~~Aroclor-1260(~~4) NP	30.14	3617	345028	31.93	ng/ml	100
58)	#~~Aroclor-1260(5)~~ NP	32.90	3948	613080	111.05	ng/ml	100

Compound uses ESTD

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7/8/90

QUANT REPORT

Operator ID: TRFIL Quant Rev: 7 Quant Time: 960707 04:39
Output File: ^04165::F3 Injected at: 960707 03:48
Data File: >04165::G5 Dilution Factor: 1.00000
Name: 238540 Instrument ID: GC04
Disc: DB1701, 30M X .53mm INST 58903. 1ul INJ

ID File: IDCAP2::SC
Title: Capillary Column DB1701
Last Calibration: 941029 10:07 Last Qcal Time: 960701 21:23

	Compound	R.T.	Scan#	Area	Conc	Units	q
1)	#Tetrachloro-m-xylene	9.30	1116	1426049	34.43	ng/ml	100
3)	#~~beta-BHC~~	18.66	2239	71017	2.70	ng/ml	100
4)	#~~delta-BHC~~	19.68	2362	69732	2.86	ng/ml	100
5)	#~~gamma-BHC (Lindane)~~	15.30	1836	265583	7.81	ng/ml	100
7)	#~~Aldrin~~	17.45	2094	303923	8.07	ng/ml	100
9)	#~~Endosulfan I~~	21.76	2611	7925	.222	ng/ml	100
10)	#~~Dieldrin~~	23.38	2805	72986	2.25	ng/ml	100
11)	#~~4,4' DDE~~	22.72	2726	139461	5.02	ng/ml	100
12)	#~~Endrin~~	24.26	2911	604667	20.86	ng/ml	100
13)	#~~Endosulfan II~~	26.59	3191	640663	17.90	ng/ml	100
14)	#~~4,4' DDD~~	26.59	3191	640663	30.32	ng/ml	100
16)	#~~4,4' DDT~~	27.44	3293	50064	3.04	ng/ml	100
17)	#~~Methoxychlor~~	30.87	3704	2141727	159.12	ng/ml	100
19)	#Decachlorobiphenyl	38.68	4642	1535035	32.87	ng/ml	100
20)	#~~alpha-Chlordane~~ NT	22.21	2665	176672	4.24	ng/ml	100
21)	#~~gamma-Chlordane~~ NT	21.97	2636	30646	.767	ng/ml	100
23)	#~~Aroclor-1016(1)~~ ND	12.19	1463	8318	6.74	ng/ml	100
24)	#~~Aroclor-1221(1)~~ ND	7.55	906	428867	542.30	ng/ml	100
25)	#~~Aroclor-1232(1)~~ ND	7.55	906	428867	360.15	ng/ml	100
26)	#~~Aroclor-1242(1)~~ ND	12.19	1463	8318	7.86	ng/ml	100
27)	#~~Aroclor-1248(1)~~ ND	13.73	1648	27983	25.40	ng/ml	100
28)	#Aroclor-1254(1)	17.45	2094	299126	188.29	ng/ml	100
29)	#~~Aroclor-1260(1)~~ ND	23.77	2852	410022	177.47	ng/ml	100
30)	#~~Endrin aldehyde~~ ~~ND~~ NT	29.04	3484	206299	6.79	ng/ml	100
31)	#~~Toxaphene(2)~~ ND	28.42	3410	290650	403.27	ng/ml	100
33)	#~~Toxaphene(4)~~ ND	31.99	3839	227766	453.90	ng/ml	100
34)	#~~Aroclor-1016(2)~~ ND	13.73	1648	27983	11.45	ng/ml	100
35)	#~~Aroclor-1016(3)~~ ND	15.97	1917	197052	50.80	ng/ml	100
37)	#~~Aroclor-1016(5)~~ ND	18.55	2226	260263	126.30	ng/ml	100
38)	#~~Aroclor-1221(2)~~ ND	11.12	1334	10778	16.43	ng/ml	100
39)	#~~Aroclor-1221(3)~~ ND	12.19	1463	8318	4.85	ng/ml	100
40)	#~~Aroclor-1232(2)~~ ND	12.19	1463	8318	7.10	ng/ml	100
41)	#~~Aroclor-1232(3)~~ ND	13.73	1648	27983	27.18	ng/ml	100
42)	#~~Aroclor-1232(4)~~ ND	15.97	1917	197052	126.14	ng/ml	100
43)	#~~Aroclor-1242(2)~~ ND	13.73	1648	27983	14.09	ng/ml	100
44)	#~~Aroclor-1242(3)~~ ND	15.97	1917	197052	63.91	ng/ml	100
46)	#~~Aroclor-1242(5)~~ ND	17.45	2094	299126	378.05	ng/ml	100
47)	#~~Aroclor-1248(2)~~ ND	15.97	1917	197052	75.43	ng/ml	100
48)	#~~Aroclor-1248(3)~~ ND	18.55	2226	260263	105.64	ng/ml	100
49)	#~~Aroclor-1248(4)~~ ND	18.97	2276	60548	34.30	ng/ml	100

EPM
7/8/96

Operator ID: TRFIL Quant Rev: 7 Quant Time: 960707 04:39
Output File: ^04165::F3 Injected at: 960707 03:48
Data File: >04165::G5 Dilution Factor: 1.00000
Name: 238540 Instrument ID: GC04
Misc: DB1701, 30M X .53mm INST 58903, 1ul INJ

ID File: IDCAP2::SC
Title: Capillary Column DB1701
Last Calibration: 941029 10:07 Last Qcal Time: 960701 21:23

Compound	R.T.	Scan#	Area	Conc	Units	q
50) ~~#Aroclor-1248(5)~~ ND	20.29	2435	428724	446.68	ng/ml	100
51) #Aroclor-1254(2)	20.29	2435	421713	207.42	ng/ml	100
52) #Aroclor-1254(3)	21.11	2533	406136	221.45	ng/ml	100
53) #Aroclor-1254(4)	23.07	2768	612733	240.32	ng/ml	100
54) #Aroclor-1254(5)	23.77	2852	410022	302.32	ng/ml	100
55) ~~#Aroclor-1260(2)~~ ND	24.88	2985	405685	149.42	ng/ml	100
56) ~~#Aroclor-1260(3)~~ ND	28.42	3410	292599	164.86	ng/ml	100
57) ~~#Aroclor-1260(4)~~ ND	30.02	3602	152728	38.85	ng/ml	100
58) ~~#Aroclor-1260(5)~~ ND	31.99	3839	227766	91.71	ng/ml	100

Compound uses ESTD

EPrice
7/8/96

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS4

Lab Name: ICM Contract:

Lab Code: ICM Case No.: SAS No.: SDG No.: RIN1A

Matrix: (soil/water) SOIL Lab Sample ID: 238542

Sample wt/vol: 30.2 (g/mL) G Lab File ID: 03268

% Moisture: 9. decanted: (Y/N) N Date Received: 06/28/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 07/03/96

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 07/11/96

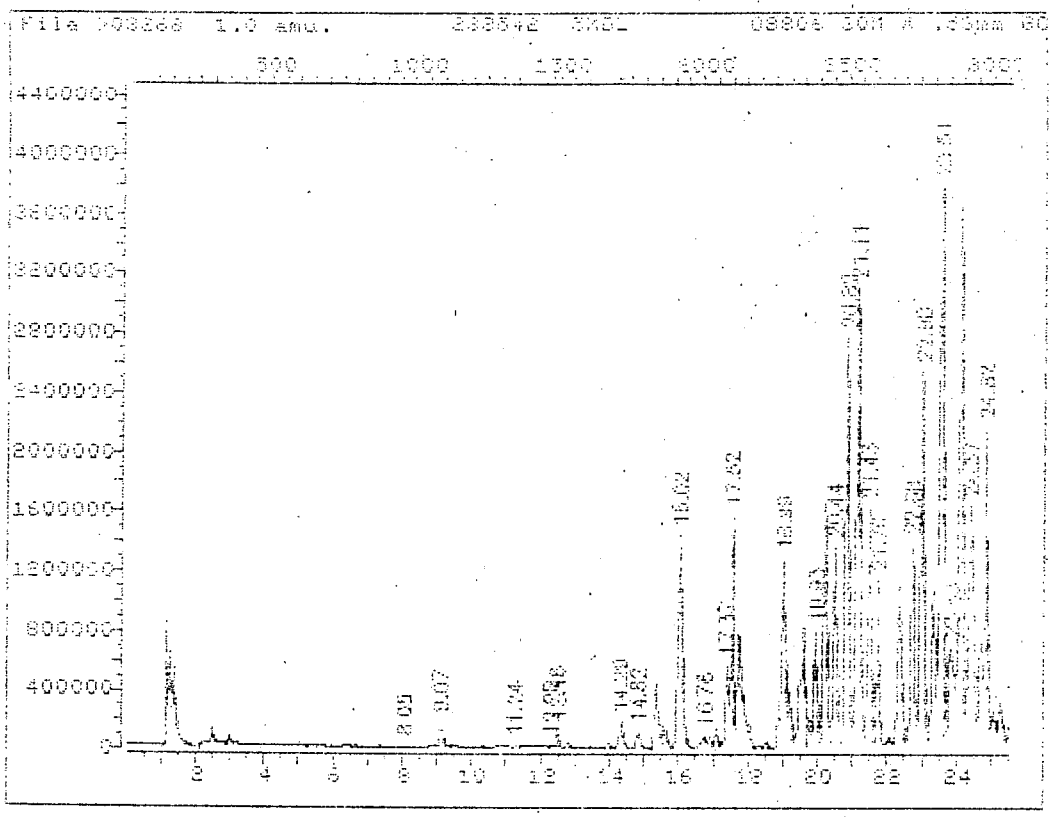
Injection Volume: 1.0 (uL) Dilution Factor: 5.0

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

use these data.

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
319-84-6	alpha-BHC	9.3	U
319-85-7	beta-BHC	9.3	U
319-86-8	delta-BHC	9.3	U
58-89-9	gamma-BHC (Lindane)	9.3	U
76-44-8	Heptachlor	9.3	U
309-00-2	Aldrin	9.3	U
1024-57-3	Heptachlor epoxide	9.3	U
959-98-8	Endosulfan I	9.3	U
60-57-1	Dieldrin	18.	U
72-55-9	4,4'-DDE	18.	U
72-20-8	Endrin	18.	U
33213-65-9	Endosulfan II	18.	U
72-54-8	4,4'-DDD	18.	U
1031-07-8	Endosulfan Sulfate	18.	U
50-29-3	4,4'-DDT	18.	U
72-43-5	Methoxychlor	93.	U
53494-70-5	Endrin ketone	18.	U
7421-93-4	Endrin aldehyde	18.	U
5103-71-9	alpha-Chlordane	9.3	U
5103-74-2	gamma-Chlordane	9.3	U
8001-35-2	Toxaphene	930.	U
12674-11-2	Aroclor-1016	180.	U
11104-28-2	Aroclor-1221	370.	U
11141-16-5	Aroclor-1232	180.	U
53469-21-9	Aroclor-1242	180.	U
12672-29-6	Aroclor-1248	180.	U
11097-69-1	Aroclor-1254	14000 ~~8200.~~	~~E~~ D*
11096-82-5	Aroclor-1260	180.	U

D* value transferred from diluted analysis SS4 DL 50 x D/F.

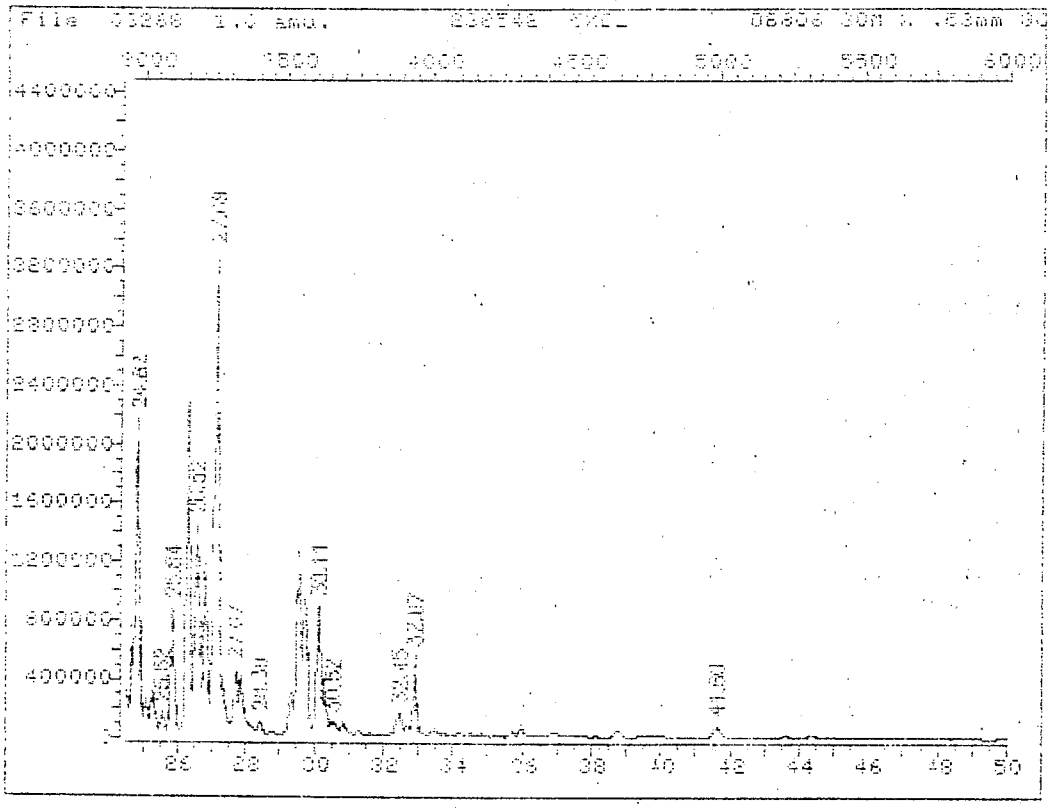


Data File: >03268::G3 Quant Output File: >03268::GQ
Name: 238542 5XDL Instrument ID: GC03
Misc: DB806 30M X .53mm 0258903 1ul inj.

Id File: IDCAP1::SC
Title: Capillary Column DB 608
Last Calibration: 941022 10:07 Last Qual Time: 960702 00:13

Operator ID: TRFIS
Quant Time : 960712 13:45
Injected at: 960711 23:49

Page 1 of 2

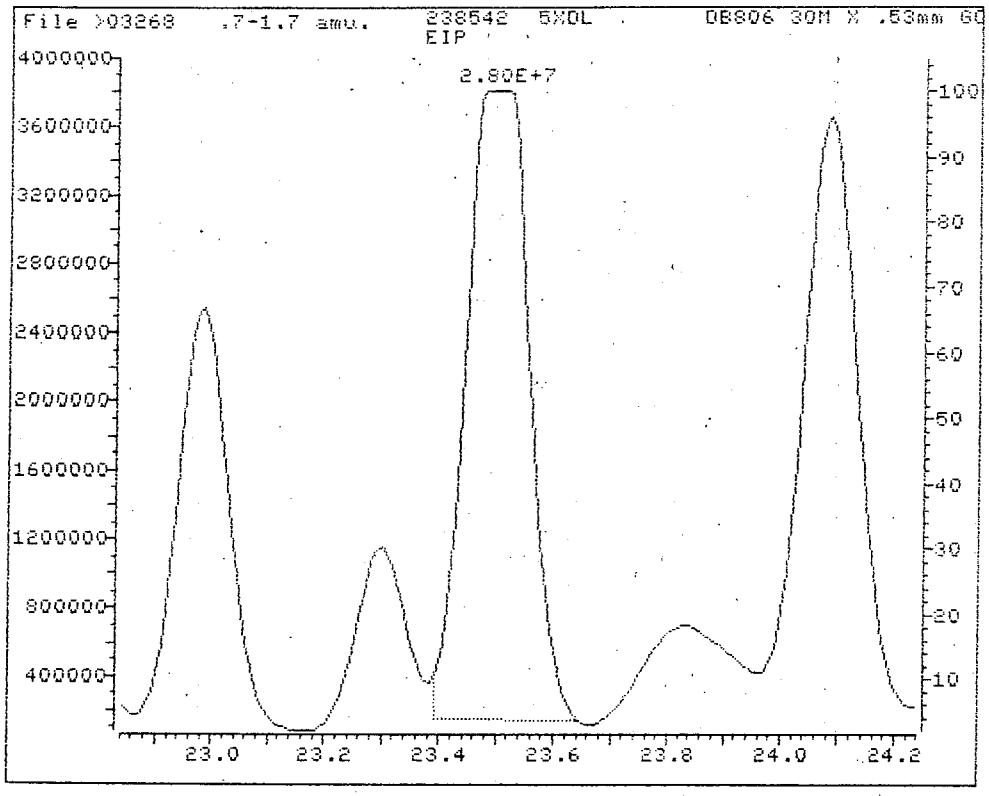


Data File: >03268**G3 Quant Output File: 03268**GO
Name: 238542 5XDL Instrument ID: GC03
Misc: DB806 30M X .53mm 0358903 1ul inj.

Id File: IDCAP1.*BC
Title: Capillary Column DB 608
Last Calibration: 941029 [illegible] Last Qual Time: 960702 00:13

Operator ID: TRFI2
Quant Time : 960712 13:45
Injected at: 960711 23:49

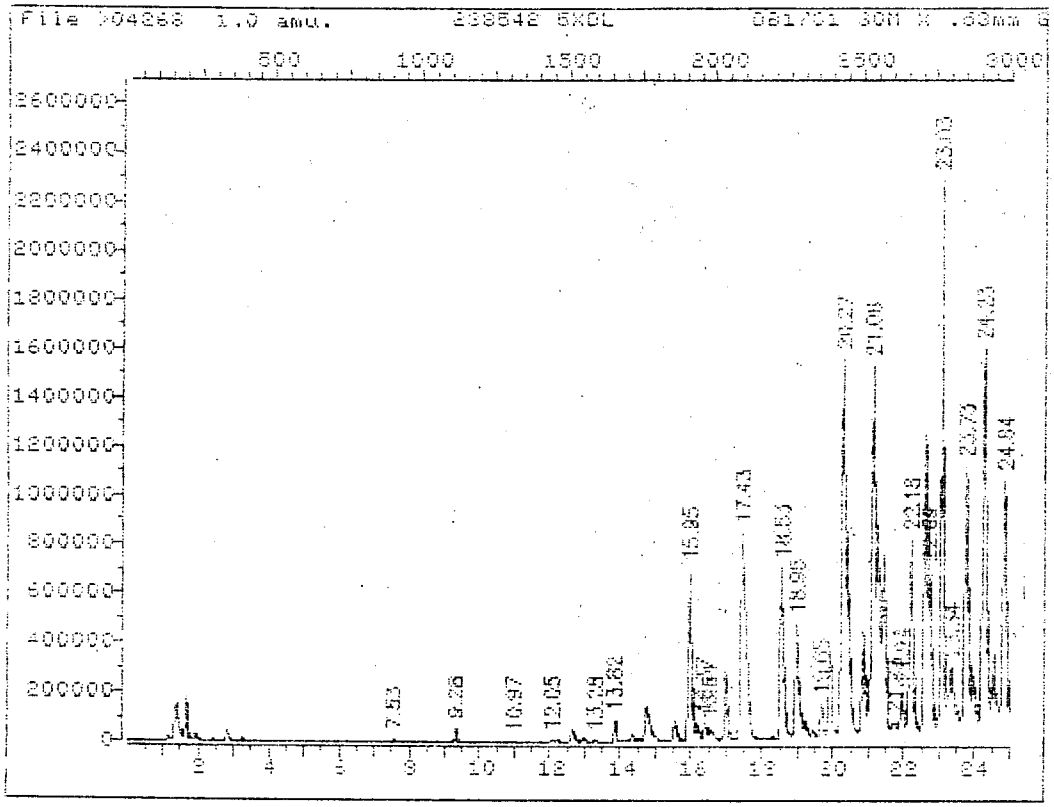
Page 2 of 2



Data File: >03268::G3 Quant Output File: ^03268::GQ
Name: 238542 5XDL Instrument ID: GC03
Misc: DB806 30M X .53mm GC58903 1ul inj.
Quant Time: 960712 13:45 Quant ID File: IDCAP1::SC
Injected at: 960711 23:49 Last Calibration: 941029 10:07

Compound No: 53
Compound Name: Aroclor-1254(4)
Scan Number: 2821
Retention Time: 23.51 min.
Quant Ion: 1.0
Area: 28010876M
Concentration: 4613.81 ng/ml
q-value: 100

This report was produced by QAREA on: 960715 14:02



Data File: >04268::G1 Quant Output File: ^04268::GQ
Name: 238542 5XDL Instrument ID: GC04
Misc: DB1701 30M X .55mm SC59903 1ul inj.

Id File: IDCAP2::SC
Title: Capillary Column DB1701
Last Calibration: 941022 10:07 Last Quant Time: 960701 21:23

Operator ID: TRFI2
Quant Time : 960712 07:46
Injected at: 960711 23:49

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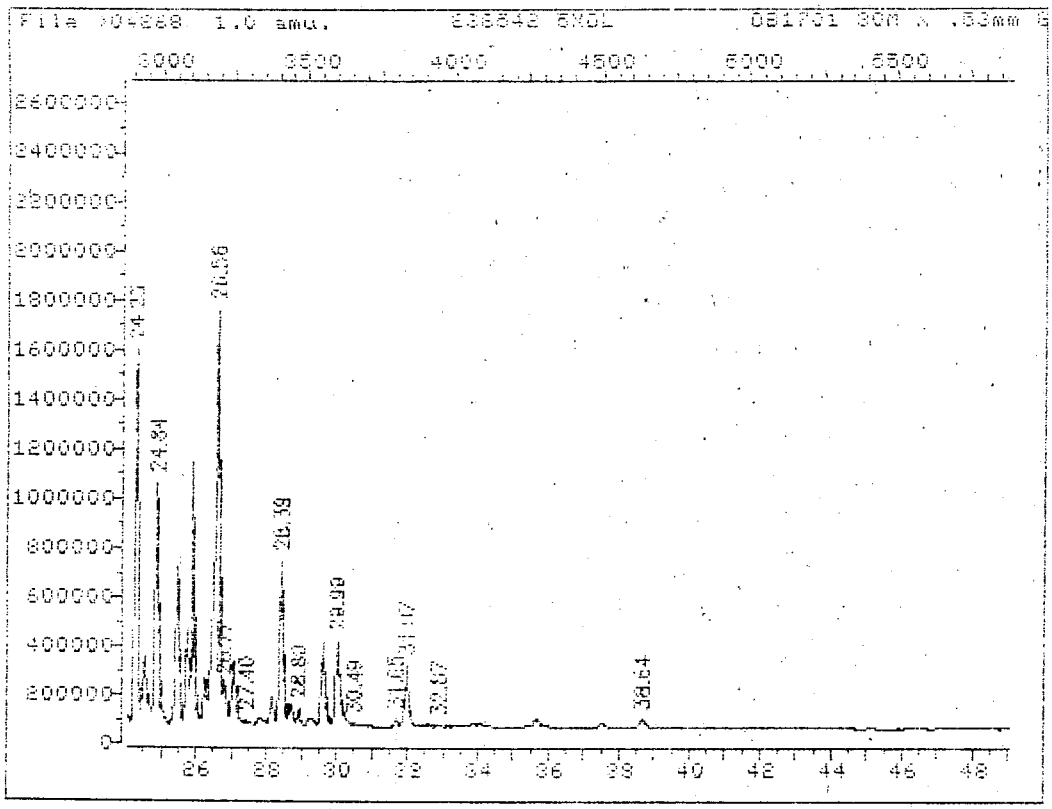

Data File: >04268::GI Quant.Output File: ^04268::GQ
Name: 238542 5XDL Instrument ID: GC04
Misc: DB1701 30M X .53mm GC58903.1ul inj.

Id File: IDCAP2::GC
Title: Capillary Column DB1701
Last Calibration: 941117 10:07 Last Goal Time: 960701 21:23

Operator ID: TRFI2
Quant Time : 960712 07:46
Injected at: 960711 23:49

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QUANT REPORT Page 1

Operator ID: TRFIZ Quant Rev: 7 Quant Time: 960712 13:45
Output File: 03268::SC Injected at: 960711 23:49
Data File: 03268::S3 SS4 Dilution Factor: 1.00000
Name: 13854] FXOL Instrument ID: SC03
Misc: 03806 30M X 53mm ICS8903 1ul inj.

ID File: IDCOP1::SC
Title: Capillary Column DB 608
Last Calibration: 941029 10:07 Last Qcal Time: 960702 00:13

Compound	R.T.	Scan#	Area	Conc	Units	q
1) #Tetrachloro-m-xylene	9.07	1089	929185	7.43	ng/ml	100
2) #alpha-BHC (NT)	12.46	1495	666317	4.50	ng/ml	100
3) #beta-BHC (NT)	14.82	1779	1044927	12.73	ng/ml	100
5) #gamma-BHC (Lindane) (NT)	14.29	1715	1541187	9.91	ng/ml	100
6) #Heptachlor (NT)	16.02	1922	11622614	148.96	ng/ml	100
7) #Aldrin (NT)	17.37	2084	3144716	23.34	ng/ml	100
8) #Heptachlor epoxide (NT)	19.93	2391	4239597	38.60	ng/ml	100
9) #Endosulfan I (NT)	21.70	2604	6638262	54.48	ng/ml	100
10) #Dieldrin (NT)	22.98	2758	15625340	165.26	ng/ml	100
11) #4,4'-DDE (NT)	22.98	2758	15625340	170.81	ng/ml	100
12) #Endrin (NT)	24.82	2979	13966706	163.18	ng/ml	100
13) #Endosulfan II (NT)	25.84	3101	5816739	60.40	ng/ml	100
14) #4,4'-DDD (NT)	25.52	3062	908789	15.78	ng/ml	100
15) #Endosulfan Sulfate (NT)	28.39	3406	632066	7.13	ng/ml	100
16) #4,4'-DDT (NT)	27.09	3250	24759720	381.99	ng/ml	100
17) #Methoxychlor (NT)	32.45	3894	1231616	49.75	ng/ml	100
18) #Endrin Ketone (NT)	32.87	3944	4446454	49.39	ng/ml	100
19) #Decachlorobiphenyl	41.60	4992	1087044	9.08	ng/ml	100
20) #alpha-Chlordane NT	21.43	2572	9412408	70.00	ng/ml	100
21) #gamma-Chlordane NT	20.82	2498	17457904	148.15	ng/ml	100
22) #Toxaphene(1) NP	23.33	2960	6364570	3968.61	ng/ml	100
23) #Aroclor-1016(1) NP	12.28	1474	71511	24.33	ng/ml	100
24) #Aroclor-1221(1) NP	8.05	966	44597	52.57	ng/ml	100
25) #Aroclor-1232(1) NP	12.29	1474	71511	24.76	ng/ml	100
26) #Aroclor-1242(1) NP	12.28	1474	71511	27.42	ng/ml	100
27) #Aroclor-1248(1) NP	16.02	1922	11583941	1530.81	ng/ml	100
28) #Aroclor-1254(1)	20.82	2498	17457904	3681.98	ng/ml	100
29) #Aroclor-1260(1) NP	24.37	2924	11712386	1556.74	ng/ml	100
30) #Endrin aldehyde NT	27.67	3320	3196213	40.52	ng/ml	100
31) #Toxaphene(2) NP	27.67	3320	3196213	1736.95	ng/ml	100
32) #Toxaphene(3) NP	28.39	3406	632066	252.88	ng/ml	100
33) #Toxaphene(4) NP	30.52	3662	496281	257.43	ng/ml	100
34) #Aroclor-1016(2) NP	14.29	1715	1541187	205.17	ng/ml	100
35) #Aroclor-1016(3) NP	16.02	1922	11583941	1048.73	ng/ml	100
36) #Aroclor-1016(4) NP	16.76	2011	770784	206.39	ng/ml	100
37) #Aroclor-1016(5) NP	18.99	2279	9757276	2871.76	ng/ml	100
38) #Aroclor-1221(2) NP	11.24	1349	59952	23.78	ng/ml	100
39) #Aroclor-1221(3) NP	12.28	1474	71511	18.74	ng/ml	100
40) #Aroclor-1232(2) NP	14.29	1715	1541157	475.25	ng/ml	100
41) #Aroclor-1232(3) NP	16.02	1922	11583942	2462.24	ng/ml	100

NMo 7/19/96

QUAN REPORT

Operator ID: TIFFI
Output File: 103268:33
Data File: 103215:63
Name: 238542 5XDL
Misc: DB5ms 30M X .25mm 0.25mm 1ul tr.

Quant Par: 7
Quant Time: 960712 13:45
Injected at: 960711 23:49
Dilution Factor: 1.00000
Instrument ID: GC05

ID File: IDCAF1:18C
Title: Capillary Column 12:606
Last Calibration: 941027 10:07
Last Acal Time: 960702 00:13

	Compound		R.T	Scan#	Area	Conc	Units	q
42)	~~#Aroclor-1232(4)~~	NP	16.76	2011	770784	447.65	ng/ml	100
43)	~~#Aroclor-1242(2)~~	NP	14.29	1715	1341187	249.18	ng/ml	100
44)	~~#Aroclor-1242(5)~~	NP	16.02	1922	11533942	1299.62	ng/ml	100
45)	~~#Aroclor-1242(4)~~	NP	16.76	2011	770784	243.67	ng/ml	100
46)	~~#Aroclor-1248(5)~~	NP	18.99	2279	9757276	3264.44	ng/ml	100
47)	~~#Aroclor-1248(3)~~	NP	17.52	2102	8603770	3298.41	ng/ml	100
48)	~~#Aroclor-1248(5)~~	NP	18.99	2279	9757276	2349.66	ng/ml	100
49)	~~#Aroclor-1248(4)~~	NP	20.44	2453	8486758	1751.68	ng/ml	100
50)	~~#Aroclor-1248(5)~~	NP	21.70	2604	6638262	1204.05	ng/ml	100
51)	#Aroclor-1254(2)		21.11	2533	21725160	3920.19	ng/ml	100
52)	#Aroclor-1254(3)		22.68	2721	10547882	6541.73	ng/ml	100
53)	#Aroclor-1254(4)		23.51	2821	28010873M	4613.81	ng/ml	100
54)	#Aroclor-1254(5)		24.82	2978	13712606	3824.53	ng/ml	100
55)	~~#Aroclor-1260(2)~~	NP	24.82	2978	13712606	1957.72	ng/ml	100
56)	~~#Aroclor-1260(3)~~	NP	26.52	3182	10880730	2026.86	ng/ml	100
57)	~~#Aroclor-1260(4)~~	NP	30.12	3613	4769640	626.55	ng/ml	100
58)	~~#Aroclor-1260(5)~~	NP	32.07	3944	4433386	803.00	ng/ml	100

Compound uses ESTD

JLM 7/19/96

QUANT REPORT

Operator ID: TRFIZ Quant Rev: 7 Quant Time: 960712 07:46
Output File: ^04268::GG Injected at: 960711 23:49
Data File: >04268::G1 Dilution Factor: 1.00000
Name: 239542 5XDL Instrument ID: GC04
Misc: DB1701 30M X .55mm GC5S903 1ul inj.

MD File: IDCAF2::SC
Title: Capillary Column DB1701
Last Calibration: 941029 10:07 Last Qcal Time: 960701 21:23

	Compound	R.T.	Scan#	Area	Conc	Units	q
1)	#Tetrachloro-m-xylene	9.28	1114	281839	6.81	ng/ml	100
2)	~~#alpha-BHC~~	13.28	1594	21345	.651	ng/ml	100
3)	~~#beta-BHC~~	18.53	2223	4856865	184.84	ng/ml	100
4)	~~#delta-BHC~~	19.65	2358	761648	31.25	ng/ml	100
6)	~~#Heptachlor~~	16.37	1965	296603	6.25	ng/ml	100
7)	~~#Aldrin~~	17.43	2091	8052067	213.81	ng/ml	100
9)	~~#Endosulfan~~ I	21.73	2608	130446	3.65	ng/ml	100
10)	~~#Dieldrin~~	23.34	2801	2100617	64.68	ng/ml	100
11)	~~#4,4'-DDE~~	22.69	2723	3305857	119.09	ng/ml	100
12)	~~#Endrin~~	24.23	2907	10901612	376.07	ng/ml	100
13)	~~#Endosulfan II~~	26.77	3212	906101	25.32	ng/ml	100
14)	~~#4,4'-DDD~~	26.56	3187	15018674	710.74	ng/ml	100
15)	~~#Endosulfan Sulfate~~	30.49	3659	61101	2.31	ng/ml	100
16)	~~#4,4'-DDT~~	27.40	3288	139095	8.44	ng/ml	100
18)	~~#Endrin ketone~~	32.87	3944	31630	1.12	ng/ml	100
19)	#Decachlorobiphenyl	38.64	4637	395505	8.26	ng/ml	100
20)	~~#alpha-Chlordane~~ NT	22.18	2662	4826533	115.73	ng/ml	100
21)	~~#gamma-Chlordane~~ NT	21.94	2633	776546	19.43	ng/ml	100
23)	~~#Aroclor-1016(1)~~ NP	12.05	1446	25823	20.91	ng/ml	100
24)	~~#Aroclor-1221(1)~~ NP	7.53	904	53846	68.09	ng/ml	100
25)	~~#Aroclor-1232(1)~~ NP	7.53	904	53846	45.22	ng/ml	100
26)	~~#Aroclor-1242(1)~~ NP	12.05	1446	25823	24.41	ng/ml	100
27)	~~#Aroclor-1248(1)~~ NP	13.82	1659	494306	448.76	ng/ml	100
28)	#Aroclor-1254(1)	17.43	2091	8050643	5067.65	ng/ml	100
29)	~~#Aroclor-1260(1)~~ NP	23.73	2848	7215405	3123.11	ng/ml	100
30)	~~#Endrin aldehyde~~ NT	28.89	3467	497131	16.36	ng/ml	100
31)	~~#Toxaphene(2)~~	28.39	3406	4714610	6541.35	ng/ml	100
32)	~~#Toxaphene(3)~~ NP	30.49	3659	61101	123.97	ng/ml	100
33)	~~#Toxaphene(4)~~	31.65	3798	226288	450.96	ng/ml	100
34)	~~#Aroclor-1016(2)~~	13.82	1659	494306	202.19	ng/ml	100
35)	~~#Aroclor-1016(3)~~	15.95	1914	4244850	1094.28	ng/ml	100
36)	~~#Aroclor-1016(4)~~ NP	16.51	1981	391591	268.89	ng/ml	100
37)	~~#Aroclor-1016(5)~~	18.53	2223	4856865	2356.92	ng/ml	100
38)	~~#Aroclor-1221(2)~~	10.97	1316	8108	12.36	ng/ml	100
39)	~~#Aroclor-1221(3)~~ NP	12.05	1446	25823	15.06	ng/ml	100
40)	~~#Aroclor-1232(2)~~	12.05	1446	25823	22.04	ng/ml	100
41)	~~#Aroclor-1232(3)~~ NP	13.82	1659	494306	480.05	ng/ml	100
42)	~~#Aroclor-1232(4)~~	15.95	1914	4244850	2717.31	ng/ml	100
43)	~~#Aroclor-1242(2)~~	13.82	1659	494306	248.86	ng/ml	100
44)	~~#Aroclor-1242(3)~~ NP	15.95	1914	4244850	1376.78	ng/ml	100

NT

EPui
7/13/96

QUANT REPORT

Operator ID: TRFI2 Quant Rev: 7 Quant Time: 960712 07:46
Output File: ^04268::GQ Injected at: 960711 23:49
Data File: >04268::G1 Dilution Factor: 1.00000
Name: 238542 5XDL Instrument ID: GC04
Misc: DB1701 30M X .53mm GC58903 1ul inj.

ID File: IDCAP2::SC
Title: Capillary Column DB1701
Last Calibration: 941029 10:07 Last Scal Time: 960701 21:23

	Compound	R.T.	Scan#	Area	Conc	Units	q
45)	~~#Aroclor-1242(4)~~ NP	16.51	1981	391591	342.61	ng/ml	100
46)	~~#Aroclor-1242(5)~~ NP	17.43	2091	8051047	10176.49	ng/ml	100
47)	~~#Aroclor-1248(2)~~	15.95	1914	4244850	1624.96	ng/ml	100
48)	~~#Aroclor-1248(3)~~	18.53	2223	4856865	1971.39	ng/ml	100
49)	~~#Aroclor-1248(4)~~ NP	18.95	2274	3222277	1825.28	ng/ml	100
50)	~~#Aroclor-1248(5)~~	20.27	2432	10451916	10889.68	ng/ml	100
51)	#Aroclor-1254(2)	20.27	2432	10451916	5140.72	ng/ml	100
52)	#Aroclor-1254(3)	21.08	2529	9105402	4964.75	ng/ml	100
53)	#Aroclor-1254(4)	23.03	2764	14265474	5594.96	ng/ml	100
54)	#Aroclor-1254(5)	23.73	2848	7215405	5320.08	ng/ml	100
55)	~~#Aroclor-1260(2)~~	24.84	2981	6013106	2214.68	ng/ml	100
56)	~~#Aroclor-1260(3)~~	28.39	3406	4719437	2659.08	ng/ml	100
57)	~~#Aroclor-1260(4)~~ NP	29.99	3598	3221043	819.27	ng/ml	100
58)	~~#Aroclor-1260(5)~~	31.97	3836	2436524	981.10	ng/ml	100

Compound uses ESTD

EPui
7/13/96

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS4	DL

Lab Name: ICM Contract:

Lab Code: ICM Case No.: SAS No.: SDG No.: RIN1A

Matrix: (soil/water) SOIL Lab Sample ID: 238542

Sample wt/vol: 30.5 (g/mL) G Lab File ID: 03223

% Moisture: 9. decanted: (Y/N) N Date Received: 06/28/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 07/03/96

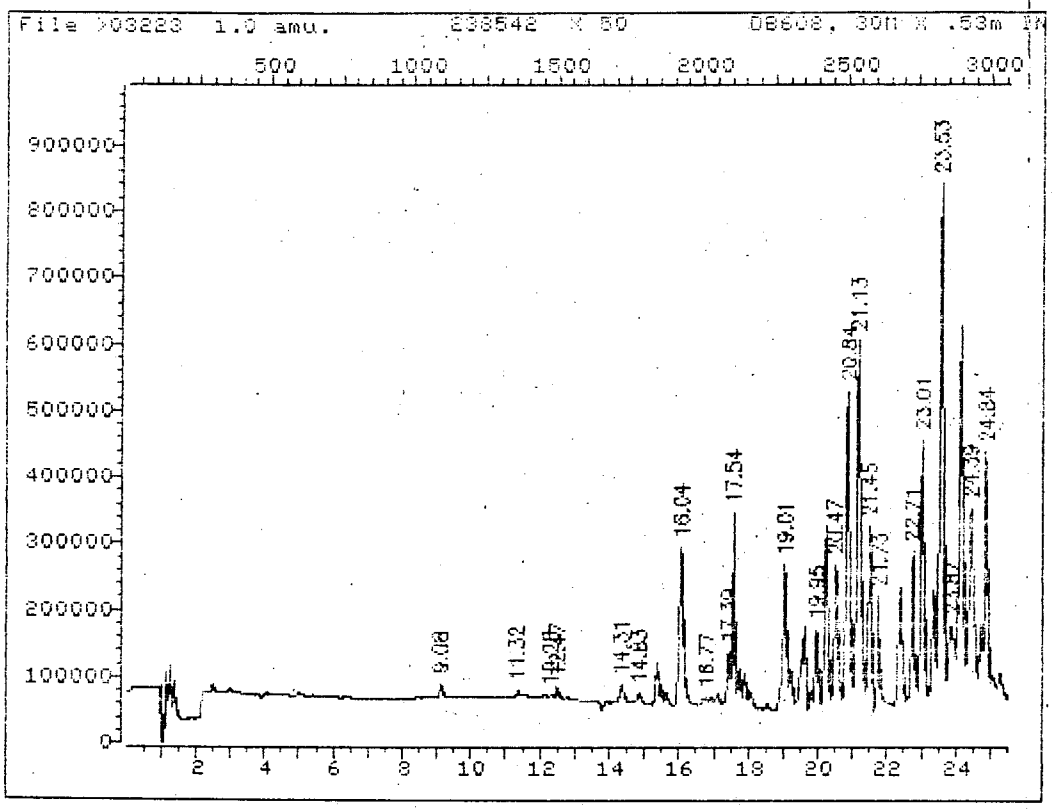
Concentrated Extract Volume: 5000 (uL) Date Analyzed: 07/09/96

Injection Volume: 1.0 (uL) Dilution Factor: 50.0

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

Do not use these data.

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
319-84-6	alpha-BHC	92.	U
319-85-7	beta-BHC	92.	U
319-86-8	delta-BHC	92.	U
58-89-9	gamma-BHC (Lindane)	92.	U
76-44-8	Heptachlor	92.	U
309-00-2	Aldrin	92.	U
1024-57-3	Heptachlor epoxide	92.	U
959-98-8	Endosulfan I	92.	U
60-57-1	Dieldrin	180.	U
72-55-9	4,4'-DDE	180.	U
72-20-8	Endrin	180.	U
33213-65-9	Endosulfan II	180.	U
72-54-8	4,4'-DDD	180.	U
1031-07-8	Endosulfan Sulfate	180.	U
50-29-3	4,4'-DDT	180.	U
72-43-5	Methoxychlor	920.	U
53494-70-5	Endrin ketone	180.	U
7421-93-4	Endrin aldehyde	180.	U
5103-71-9	alpha-Chlordane	92.	U
5103-74-2	gamma-Chlordane	92.	U
8001-35-2	Toxaphene	9200.	U
12674-11-2	Aroclor-1016	1800.	U
11104-28-2	Aroclor-1221	3600.	U
11141-16-5	Aroclor-1232	1800.	U
53469-21-9	Aroclor-1242	1800.	U
12672-29-6	Aroclor-1248	1800.	U
11097-69-1	Aroclor-1254	14000.	D
11096-82-5	Aroclor-1260	1800.	U



Data File: >03223::G3 Quant Output File: ^03223::F3
Name: 238542 X 50 Instrument ID: GC03
Misc: DB608, 30M X .53m INST 58903, 1ul INJ

Id File: IDCAP1::SC
Title: Capillary Column DB 608
Last Calibration: 941029 10:07 Last Qual Time: 960702 00:13

Operator ID: TRFIL
Quant Time : 960709 22:54
Injected at: 960709 20:13

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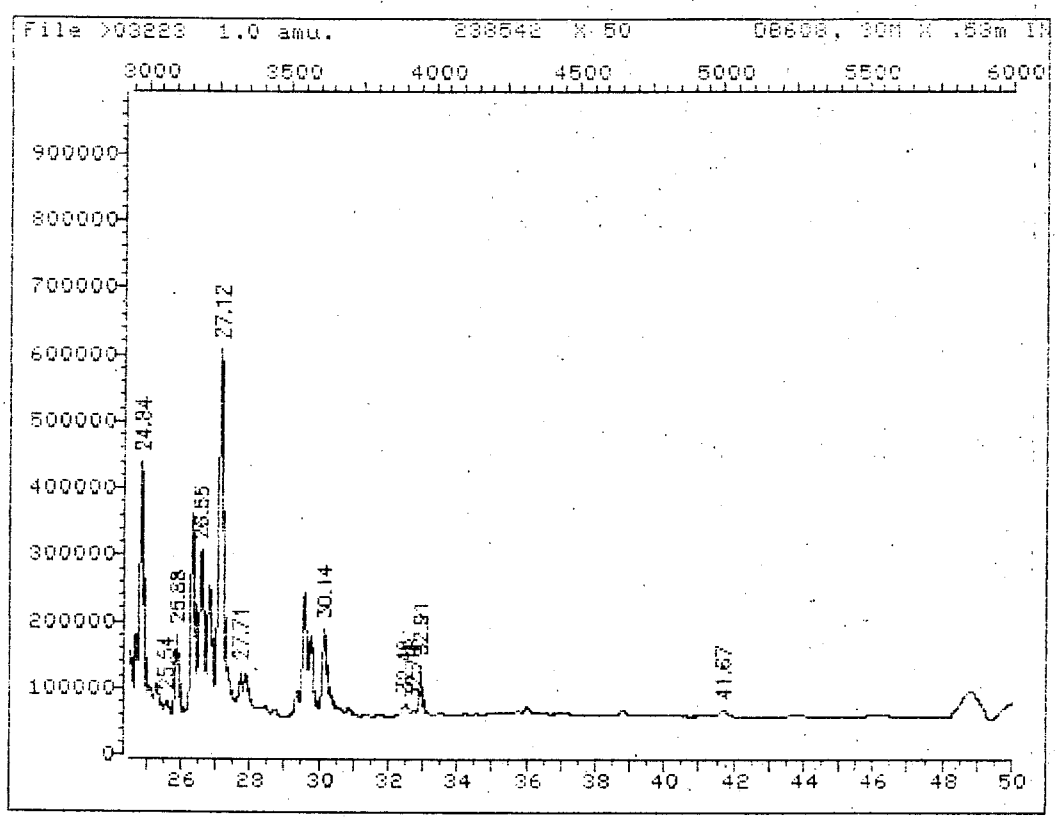

Data File: >03223::G3 Quant Output File: ^03223::F3
Name: 238542 X 50 Instrument ID: GC03
Misc: DB608, 30M X .53m INST 58903, 1ul INJ

Id File: IDCAP1::SC
Title: Capillary Column DB 608
Last Calibration: 941029 10:07 Last Qcal Time: 960702 00:13

Operator ID: TRFIL
Quant Time : 960709 22:54
Injected at: 960709 20:13

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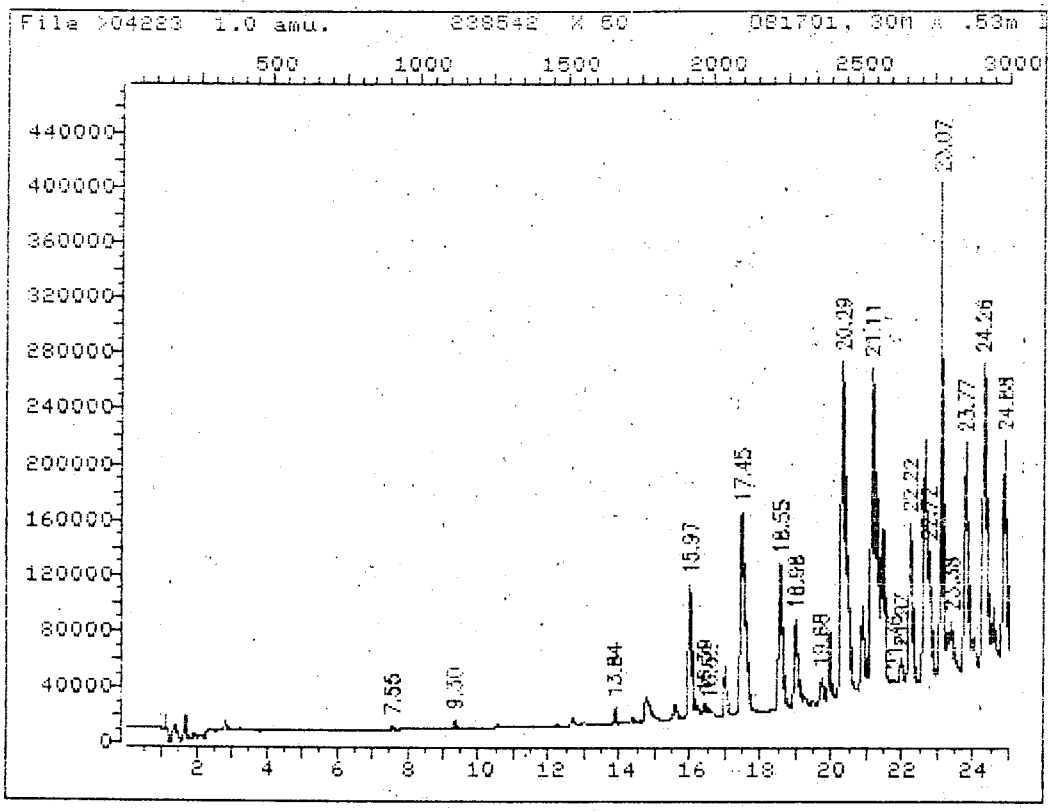

Data File: >04223::G1 Quant Output File: ^04223::F3
Name: 238542 X 50 Instrument ID: GC04
Misc: DB1701, 30M X .53m INST 58903, 1ul INJ

Id File: IDCAP2::SC
Title: Capillary Column DB1701
Last Calibration: 941029 10:07 Last Qual Time: 960701 21:23

Operator ID: TRFIL
Quant Time : 960709 22:51
Injected at: 960709 20:13

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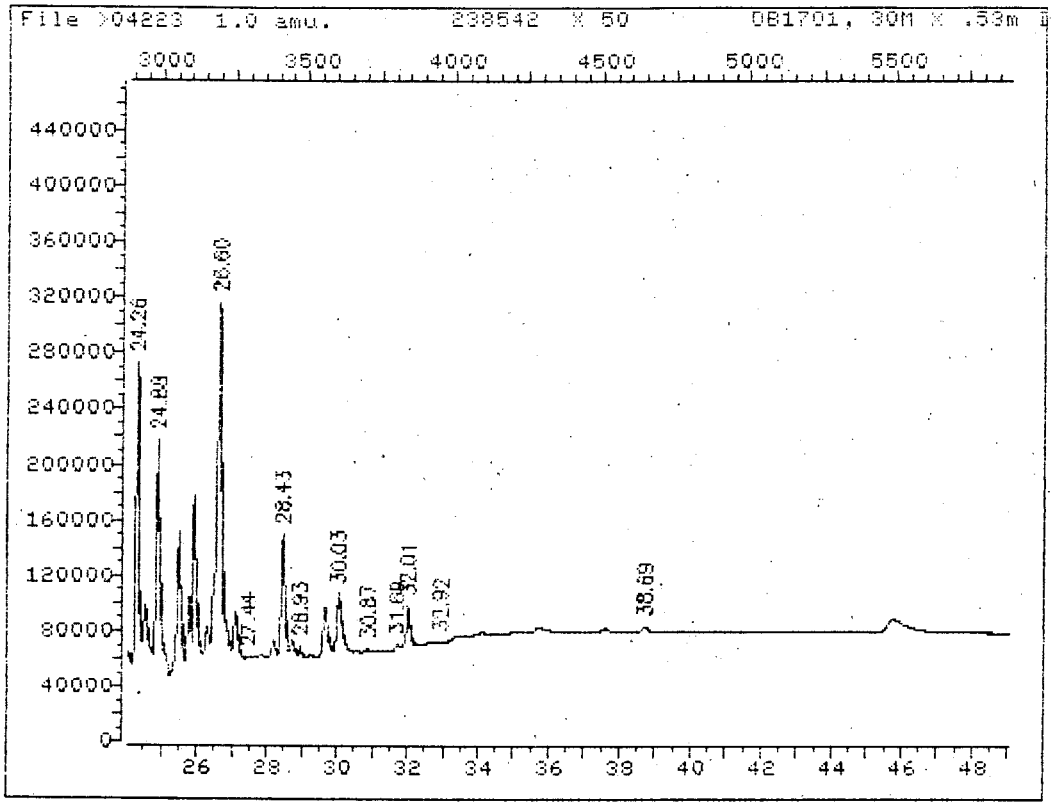

Data File: >04223::G1 Quant Output File: ^04223::F3
Name: 238542 X 50 Instrument ID: GC04
Misc: DB1701, 30M X .53m INST 58903, 1ul INJ

Id File: IDCAP2::SC
Title: Capillary Column DB1701
Last Calibration: 941029 10:07 Last Qcal Time: 960701 21:23

Operator ID: TRFIL
Quant Time : 960709 22:51
Injected at: 960709 20:13

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QUANT REPORT

Operator ID: TRFIL Quant Rev: 7 Quant Time: 960709 22:54
Output File: ^03223::F3 Injected at: 960709 20:13
Data File: >03223::G3 Dilution Factor: 1.00000
Name: 238542 X 50 Instrument ID: GC03
Disc: DB608. 30M X .53m INST 58903. 1ul INJ

SS4 DL

ID File: IDCAP1::SC
Title: Capillary Column DB 608
Last Calibration: 941029 10:07 Last Qcal Time: 960702 00:13

	Compound	R.T.	Scan#	Area	Conc	Units	q
1)	#Tetrachloro-m-xylene	9.08	1090	110708	.885	ng/ml	100
2)	~~#alpha BHC~~	12.47	1497	113640	.768	ng/ml	100
3)	~~#beta BHC~~	14.83	1780	162670	1.98	ng/ml	100
5)	~~#gamma BHC (Lindane)~~	14.31	1717	177295	1.30	ng/ml	100
6)	~~#Heptachlor~~	16.04	1925	1940375	24.87	ng/ml	100
7)	~~#Aldrin~~	17.39	2087	423771	3.14	ng/ml	100
8)	~~#Heptachlor epoxide~~	19.95	2394	619765	5.64	ng/ml	100
9)	~~#Endosulfan I~~	21.73	2607	1407498	11.55	ng/ml	100
10)	~~#Dieldrin~~	23.01	2761	2395245	25.33	ng/ml	100
11)	~~#4,4' DDE~~	22.71	2725	1682829	18.40	ng/ml	100
12)	~~#Endrin~~	24.84	2981	2501971	29.23	ng/ml	100
13)	~~#Endosulfan II~~	25.88	3105	837806	8.70	ng/ml	100
14)	~~#4,4' DDD~~	25.54	3065	125452	2.18	ng/ml	100
16)	~~#4,4' DDT~~	27.12	3254	4063484	62.69	ng/ml	100
17)	~~#Methoxychlor~~	32.48	3897	215713	5.56	ng/ml	100
18)	~~#Endrin ketone~~	32.70	3924	60556	.673	ng/ml	100
19)	#Decachlorobiphenyl	41.67	5000	130173	1.09	ng/ml	100
20)	~~#alpha Chlordane~~ NT	21.45	2574	1671706	12.17	ng/ml	100
21)	~~#gamma Chlordane~~ NT	20.84	2501	3019341	25.62	ng/ml	100
22)	~~#Toxaphene(1)~~ NP	23.87	2864	871100	543.17	ng/ml	100
23)	~~#Aroclor-1016(1)~~ NP	12.28	1474	14665	4.99	ng/ml	100
25)	~~#Aroclor-1232(1)~~ NP	12.28	1474	14665	5.12	ng/ml	100
26)	~~#Aroclor-1242(1)~~ NP	12.28	1474	15516	5.95	ng/ml	100
27)	~~#Aroclor-1248(1)~~ NP	16.04	1925	1940375	256.42	ng/ml	100
28)	#Aroclor-1254(1)	20.84	2501	3019341	636.80	ng/ml	100
29)	~~#Aroclor-1260(1)~~ NP	24.39	2927	2098318	270.68	ng/ml	100
30)	~~#Endrin aldehyde~~ NT	27.71	3325	393800	4.99	ng/ml	100
31)	~~#Toxaphene(2)~~ NP	27.71	3325	393532	213.86	ng/ml	100
34)	~~#Aroclor-1016(2)~~ NP	14.31	1717	177295	27.12	ng/ml	100
35)	~~#Aroclor-1016(3)~~ NP	16.04	1925	1940375	175.67	ng/ml	100
36)	~~#Aroclor-1016(4)~~ NP	16.77	2013	109736	29.38	ng/ml	100
37)	~~#Aroclor-1016(5)~~ NP	19.01	2281	1568939	461.77	ng/ml	100
38)	~~#Aroclor-1221(2)~~ NP	11.32	1358	53655	31.93	ng/ml	100
39)	~~#Aroclor-1221(3)~~ NP	12.28	1474	14665	3.84	ng/ml	100
40)	~~#Aroclor-1232(2)~~ NP	14.31	1717	177295	62.83	ng/ml	100
41)	~~#Aroclor-1232(3)~~ NP	16.04	1925	1940375	412.44	ng/ml	100
42)	~~#Aroclor-1232(4)~~ NP	16.77	2013	109736	63.74	ng/ml	100
43)	~~#Aroclor-1242(2)~~ NP	14.31	1717	177295	32.94	ng/ml	100
44)	~~#Aroclor-1242(3)~~ NP	16.04	1925	1940375	217.69	ng/ml	100
45)	~~#Aroclor-1242(4)~~ NP	16.77	2013	109736	34.69	ng/ml	100

EPui
7/10/96

Operator ID: TRFIL Quant Rev: 7 Quant Time: 960709 22:54
Output File: ^03223::F3 Injected at: 960709 20:13
Data File: >03223::G3 Dilution Factor: 1.00000
Name: 238542 X 50 Instrument ID: GC03
Misc: DB608, 30M X .53m INST 58903, 1ul INJ

ID File: IDCAP1::SC
Title: Capillary Column DB 608
Last Calibration: 941029 10:07 Last Qcal Time: 960702 00:13

	Compound	R.T.	Scan#	Area	Conc	Units	q
46)	~~#Aroclor-1242(5)~~ ND	19.01	2281	1568939	524.91	ng/ml	100
47)	~~#Aroclor-1248(2)~~ ND	17.54	2105	1814873	695.80	ng/ml	100
48)	~~#Aroclor-1248(3)~~ ND	19.01	2281	1568939	377.82	ng/ml	100
49)	~~#Aroclor-1248(4)~~ ND	20.47	2456	1269905	262.10	ng/ml	100
50)	~~#Aroclor-1248(5)~~ ND	21.73	2607	1407498	255.29	ng/ml	100
51)	#Aroclor-1254(2)	21.13	2536	3782749	682.58	ng/ml	100
52)	#Aroclor-1254(3)	22.71	2725	1682829	1043.68	ng/ml	100
53)	#Aroclor-1254(4)	23.53	2823	4952208	815.70	ng/ml	100
54)	#Aroclor-1254(5)	24.84	2981	2501971	697.78	ng/ml	100
55)	~~#Aroclor-1260(2)~~ ND	24.84	2981	2501971	357.20	ng/ml	100
56)	~~#Aroclor-1260(3)~~ ND	26.55	3186	1797174	344.27	ng/ml	100
57)	~~#Aroclor-1260(4)~~ ND	30.14	3617	956999	88.57	ng/ml	100
58)	~~#Aroclor-1260(5)~~ ND	32.91	3949	609289	110.36	ng/ml	100

Compound uses ESTD

EPW
7/10/96

QUANT REPORT

Operator ID: TRFIL Quant Rev: 7 Quant Time: 960709 22:51
Output File: ^04223::F3 Injected at: 960709 20:13
Data File: >04223::G1 Dilution Factor: 1.00000
Name: 238542 X 50 Instrument ID: GC04
Misc: DB1701, 30M X .53m INST 58903, 1ul INJ

ID File: IDCAP2::SC
Title: Capillary Column DB1701
Last Calibration: 941029 10:07 Last Qcal Time: 960701 21:23

	Compound	R.T.	Scan#	Area	Conc	Units	q
1)	#Tetrachloro-m-xylene	9.30	1116	35820	.865	ng/ml	100
3)	~~#beta-BHC~~	18.55	2226	761665	28.99	ng/ml	100
4)	~~#delta-BHC~~	19.68	2362	129151	5.30	ng/ml	100
6)	~~#Heptachlor~~	16.39	1967	56782	1.20	ng/ml	100
7)	~~#Aldrin~~	17.45	2094	1367961	36.32	ng/ml	100
9)	~~#Endosulfan I~~	21.76	2611	12707	.356	ng/ml	100
10)	~~#Dieldrin~~	23.38	2805	161250	4.97	ng/ml	100
11)	~~#4,4'-DDE~~	22.72	2726	499479	17.99	ng/ml	100
12)	~~#Endrin~~ NT	24.26	2911	1666569	57.49	ng/ml	100
13)	~~#Endosulfan II~~	26.60	3192	2097994	58.62	ng/ml	100
14)	~~#4,4'-DDD~~	26.60	3192	2097994	99.29	ng/ml	100
16)	~~#4,4'-DDT~~	27.44	3293	7425	.451	ng/ml	100
17)	~~#Methoxychlor~~	30.87	3704	18196	1.35	ng/ml	100
18)	~~#Endrin ketone~~	32.92	3950	8421	.299	ng/ml	100
19)	#Decachlorobiphenyl	38.69	4643	41841	.896	ng/ml	100
20)	~~#alpha-Chlordane~~ NT	22.22	2666	702787	16.85	ng/ml	100
21)	~~#gamma-Chlordane~~ NT	21.97	2636	99371	2.49	ng/ml	100
24)	~~#Aroclor-1221(1)~~ NP	7.55	906	12018	15.20	ng/ml	100
25)	~~#Aroclor-1232(1)~~ NP	7.55	906	12018	10.09	ng/ml	100
27)	~~#Aroclor-1248(1)~~ NP	13.84	1661	65996	59.92	ng/ml	100
28)	#Aroclor-1254(1)	17.45	2094	1367961	861.09	ng/ml	100
29)	~~#Aroclor-1260(1)~~ NP	23.77	2852	1145400	495.77	ng/ml	100
30)	~~#Endrin aldehyde~~ NT	28.93	3471	66875	2.20	ng/ml	100
31)	~~#Toxaphene(2)~~ NP	28.43	3411	641427	889.96	ng/ml	100
33)	~~#Toxaphene~~(4) NP	31.69	3802	35455	70.66	ng/ml	100
34)	~~#Aroclor-1016(2)~~ NP	13.84	1661	65996	27.00	ng/ml	100
35)	~~#Aroclor-1016(3)~~ NP	15.97	1917	607847	156.70	ng/ml	100
36)	~~#Aroclor-1016(4)~~ NP	16.52	1983	44286	30.41	ng/ml	100
37)	~~#Aroclor-1016(5)~~ NP	18.55	2226	761665	369.62	ng/ml	100
41)	~~#Aroclor-1232(3)~~ NP	13.84	1661	65996	64.09	ng/ml	100
42)	~~#Aroclor-1232(4)~~ NP	15.97	1917	607847	389.11	ng/ml	100
43)	~~#Aroclor-1242(2)~~ NP	13.84	1661	65996	33.23	ng/ml	100
44)	~~#Aroclor-1242(3)~~ NP	15.97	1917	607847	197.15	ng/ml	100
45)	~~#Aroclor-1242(4)~~ NP	16.52	1983	44286	38.75	ng/ml	100
46)	~~#Aroclor-1242(5)~~ NP	17.45	2094	1367961	1728.88	ng/ml	100
47)	~~#Aroclor-1248(2)~~ NP	15.97	1917	607847	232.69	ng/ml	100
48)	~~#Aroclor-1248(3)~~ NP	18.55	2226	761665	309.16	ng/ml	100
49)	~~#Aroclor-1248(4)~~ NP	18.98	2277	442018	250.38	ng/ml	100
50)	~~#Aroclor-1248(5)~~ NP	20.29	2435	1669248	1739.16	ng/ml	100
51)	~~#Aroclor-1254(2)~~ yes EP	20.29	2435	1669248	821.01	ng/ml	100

EPrice 7/10/96

Operator ID: TRFIL Quant Rev: 7 Quant Time: 960709 22:51
Output File: ^04223::F3 Injected at: 960709 20:13
Data File: >04223::G1 Dilution Factor: 1.00000
Name: 238542 X 50 Instrument ID: GC04
Misc: DB1701, 30M X .53m INST 58903, 1ul INJ

ID File: IDCAP2::SC
Title: Capillary Column DB1701
Last Calibration: 941029 10:07 Last Qcal Time: 960701 21:23

Compound	R.T.	Scan#	Area	Conc	Units	q
52) #Aroclor-1254(3)	21.11	2533	1279452	697.63	ng/ml	100
53) #Aroclor-1254(4)	23.07	2768	2231262	875.11	ng/ml	100
54) #Aroclor-1254(5)	23.77	2852	1145400	844.53	ng/ml	100
55) #~~Aroclor-1260(2)~~ NP	24.88	2985	1388586	511.43	ng/ml	100
56) #~~Aroclor-1260(3)~~ NP	28.43	3411	647154	364.63	ng/ml	100
57) #~~Aroclor-1260(4)~~ NP	30.03	3603	442028	112.43	ng/ml	100
58) #~~Aroclor-1260(5)~~ NP	32.01	3841	329450	132.66	ng/ml	100

Compound uses ESTD

E Pucci
7/10/96

1D

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS5

Lab Name: ICM Contract:

Lab Code: ICM Case No.: SAS No.: SDG No.: RIN1A

Matrix: (soil/water) SOIL Lab Sample ID: 238546

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 03270

% Moisture: 24. decanted: (Y/N) N Date Received: 06/28/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 07/03/96

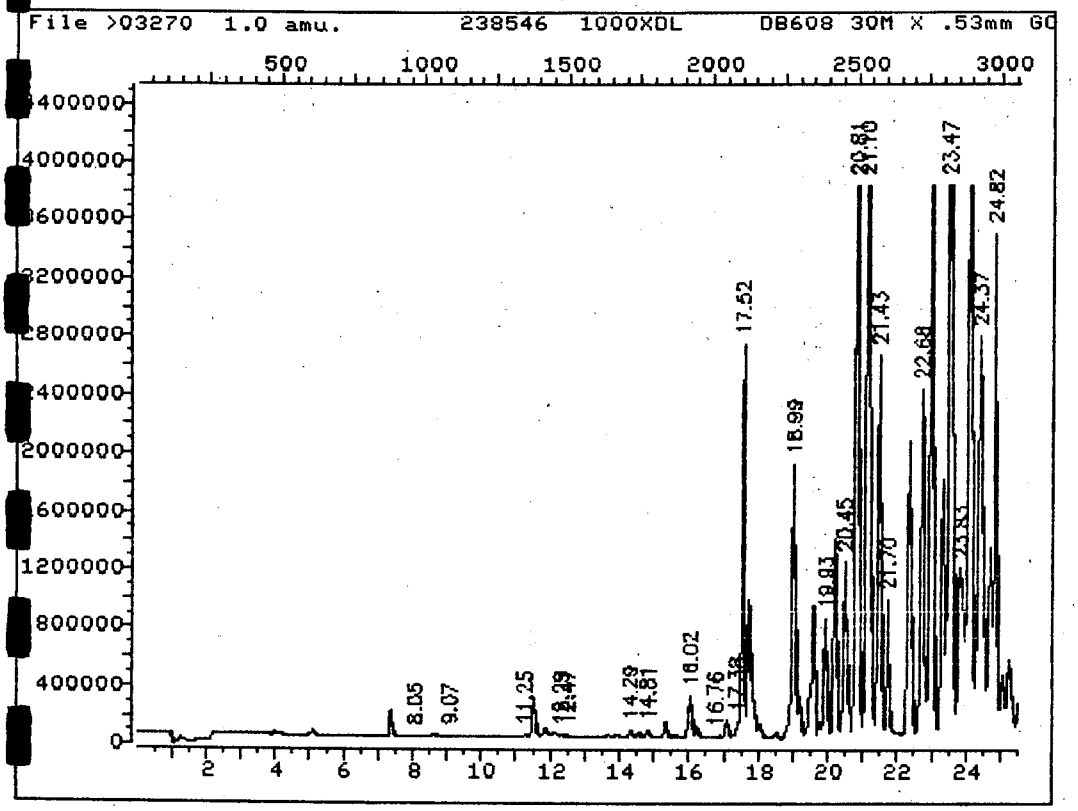
Concentrated Extract Volume: 5000 (uL) Date Analyzed: 07/12/96

Injection Volume: 1.0 (uL) Dilution Factor: 1000.0

GPC Cleanup: (Y/N) Y pH: 7.8 Sulfur Cleanup: (Y/N) N

Do not use these data

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
319-84-6	alpha-BHC	2300.	U
319-85-7	beta-BHC	2300.	U
319-86-8	delta-BHC	2300.	U
58-89-9	gamma-BHC (Lindane)	2300.	U
76-44-8	Heptachlor	2300.	U
309-00-2	Aldrin	2300.	U
1024-57-3	Heptachlor epoxide	2300.	U
959-98-8	Endosulfan I	2300.	U
60-57-1	Dieldrin	4400.	U
72-55-9	4,4'-DDE	4400.	U
72-20-8	Endrin	4400.	U
33213-65-9	Endosulfan II	4400.	U
72-54-8	4,4'-DDD	4400.	U
1031-07-8	Endosulfan Sulfate	4400.	U
50-29-3	4,4'-DDT	4400.	U
72-43-5	Methoxychlor	23000.	U
53494-70-5	Endrin ketone	4400.	U
7421-93-4	Endrin aldehyde	4400.	U
5103-71-9	alpha-Chlordane	2300.	U
5103-74-2	gamma-Chlordane	2300.	U
8001-35-2	Toxaphene	230000.	U
12674-11-2	Aroclor-1016	44000.	~~U~~ R
11104-28-2	Aroclor-1221	89000.	~~U~~ R
11141-16-5	Aroclor-1232	44000.	~~U~~ R
53469-21-9	Aroclor-1242	44000.	~~U~~ R
12672-29-6	Aroclor-1248	44000.	~~U~~ R
11097-69-1	Aroclor-1254	3100000.	E J
11096-82-5	Aroclor-1260	44000.	~~U~~ R

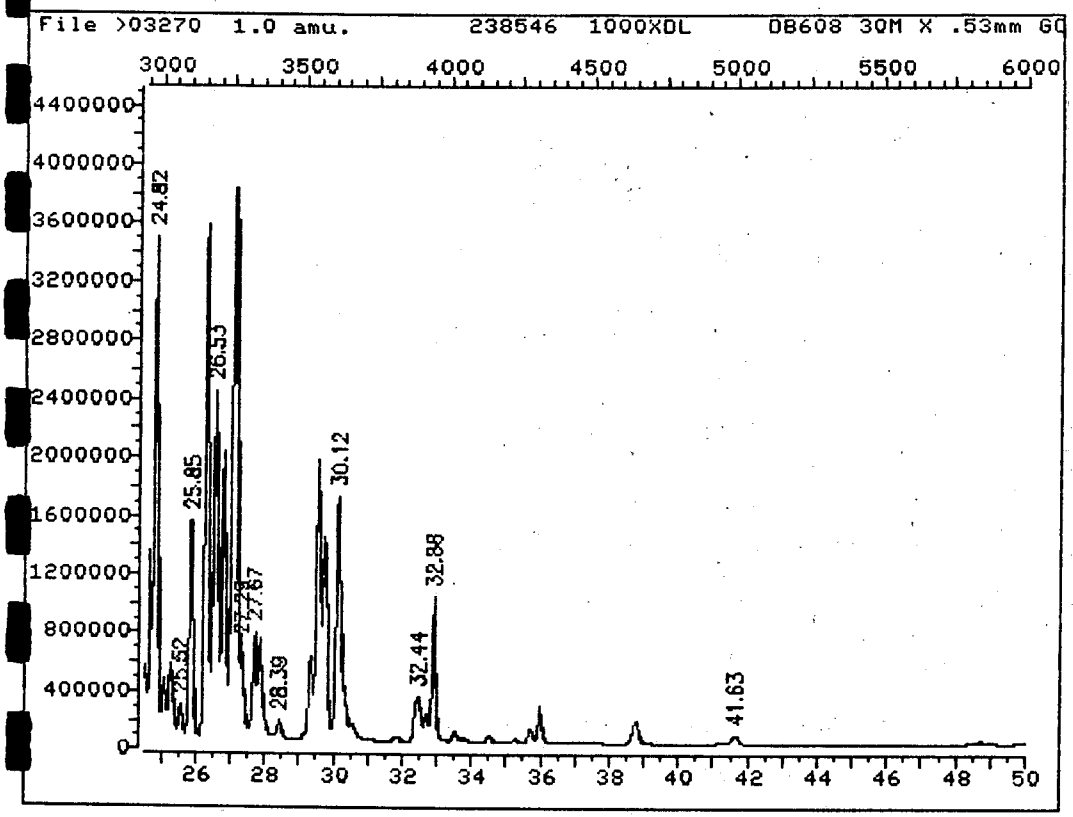


Data File: >03270::G3 Quant Output File: ^03270::GQ
Name: 238546 1000XDL Instrument ID: GC03
Misc: DB608 30M X .53mm GC58903 1ul inj.

Id File: IDCAP1::SC
Title: Capillary Column DB 608
Last Calibration: 941029 10:07 Last Qcal Time: 960702 00:13

Operator ID: TRFI2
Quant Time : 960712 13:50
Injected at: 960712 01:32

Page 1 of 2

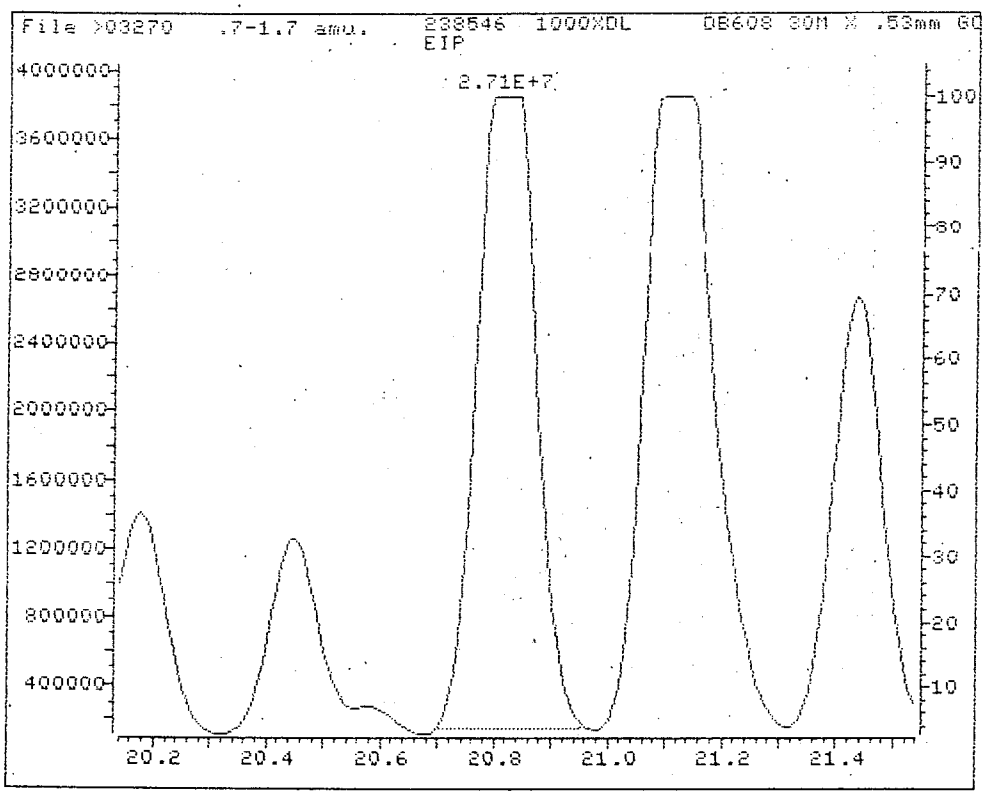


Data File: >03270::G3 Quant Output File: ^03270::GQ
Name: 238546 1000XDL Instrument ID: GC03
Misc: DB608 30M X .53mm GC58903 1ul inj.

Id File: IDCAP1::SC
Title: Capillary Column DB 608
Last Calibration: 941029 10:07 Last Qcal Time: 960702 00:13

Operator ID: TRFI2
Quant Time : 960712 13:50
Injected at: 960712 01:32

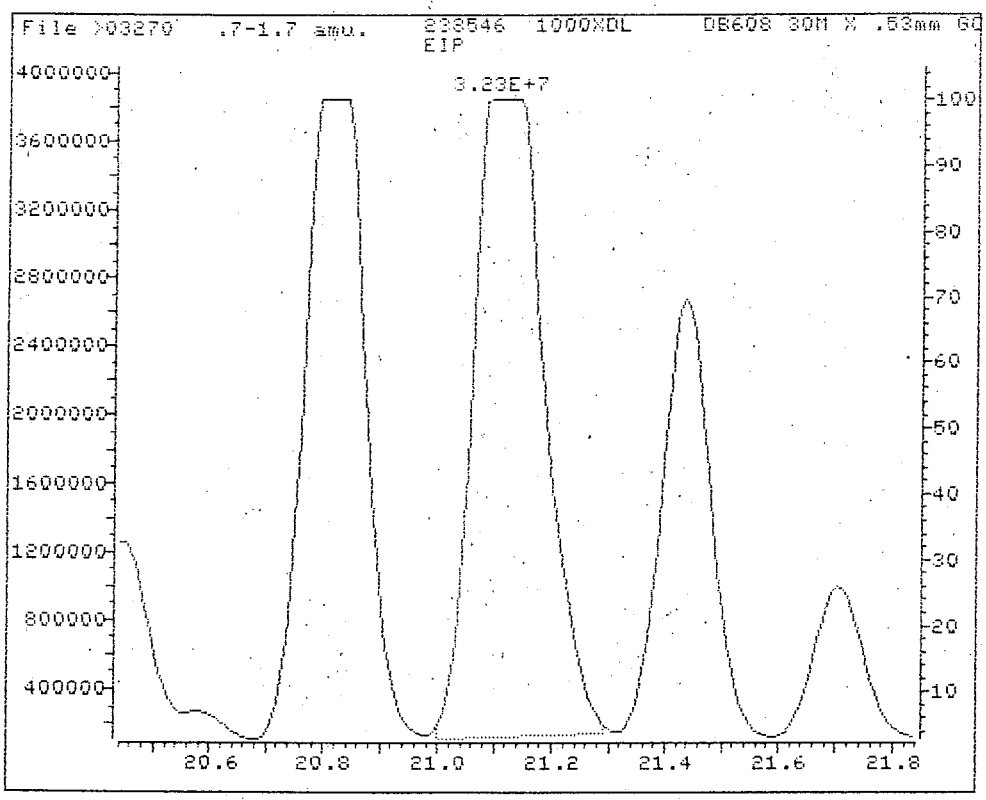
Page 2 of 2



Data File: >03270::G3 Quant Output File: ^03270::GQ
Name: 238546 1000XDL Instrument ID: GC03
Misc: DB608 30M X .53mm GC58903 1ul inj.
Quant Time: 960712 13:50 Quant ID File: IDCAP1::SC
Injected at: 960712 01:32 Last Calibration: 941029 10:07

Compound No: 28
Compound Name: Aroclor-1254(1)
Scan Number: 2497
Retention Time: 20.81 min.
Quant Ion: 1.0
Area: 27125280M
Concentration: 5720.88 ng/ml

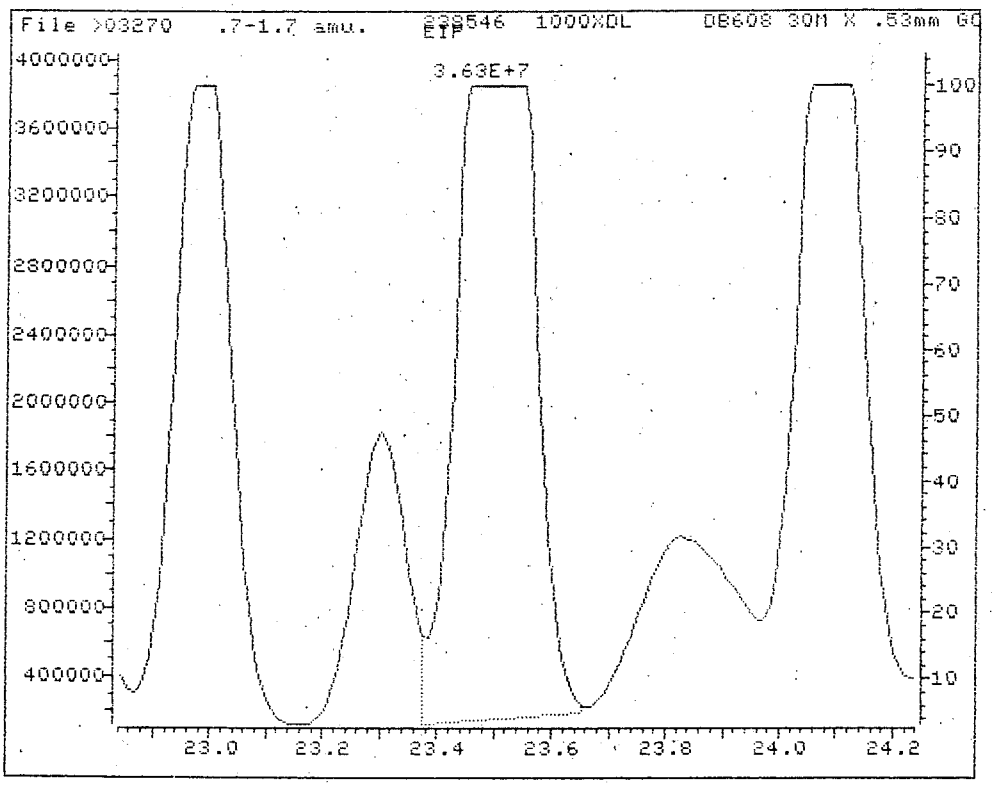
This report was produced by QAREA on: 960715 14:06



Data File: >03270::G3 Quant Output File: ^03270::GQ
Name: 238546 1000XDL Instrument ID: GC03
Misc: DB608 30M X .53mm GC58903 1ul inj.
Quant Time: 960712 13:50 Quant ID File: IDCAP1::SC
Injected at: 960712 01:32 Last Calibration: 941029 10:07

Compound No: 51
Compound Name: Aroclor-1254(2)
Scan Number: 2532
Retention Time: 21.10 min.
Quant Ion: 1.0
Area: 32336248M
Concentration: 5834.90 ng/ml
q-value: 100

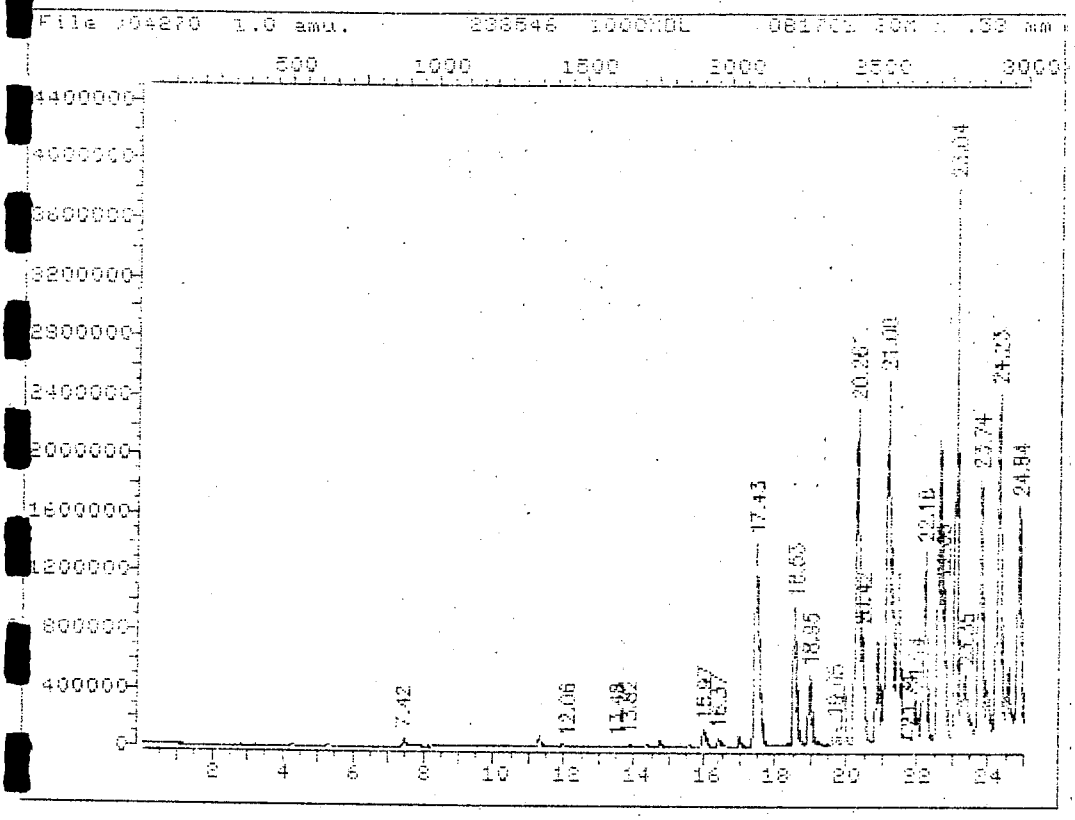
This report was produced by QAREA on: 960715 14:08



Data File: >03270::G3 Quant Output File: ^03270::GQ
Name: 238546 1000XDL Instrument ID: GC03
Misc: DB608 30M X .53mm GC58903 1ul inj.
Quant Time: 960712 13:50 Quant ID File: IDCAP1::SC
Injected at: 960712 01:32 Last Calibration: 941029 10:07

Compound No: 53
Compound Name: Aroclor-1254(4)
Scan Number: 2816
Retention Time: 23.47 min.
Quant Ion: 1.0
Area: 36332064M
Concentration: 5984.44 ng/ml

This report was produced by QAREA on: 960715 16:33



Data File: >04270::G1 Quant Output File: ^04270::GQ
Name: 259546 1000XDL Instrument ID: GC04
Misc: CB1701 30M X .53 mm GC59903 1ul inj.

Id File: IDCAP2::SC
Title: Capillary Column DB1701
Last Calibration: 941029 10:07 Last Cal Time: 960701 21:23

Operator ID: TRFIZ
Quant Time : 960712 08:03
Injected at: 960712 01:32

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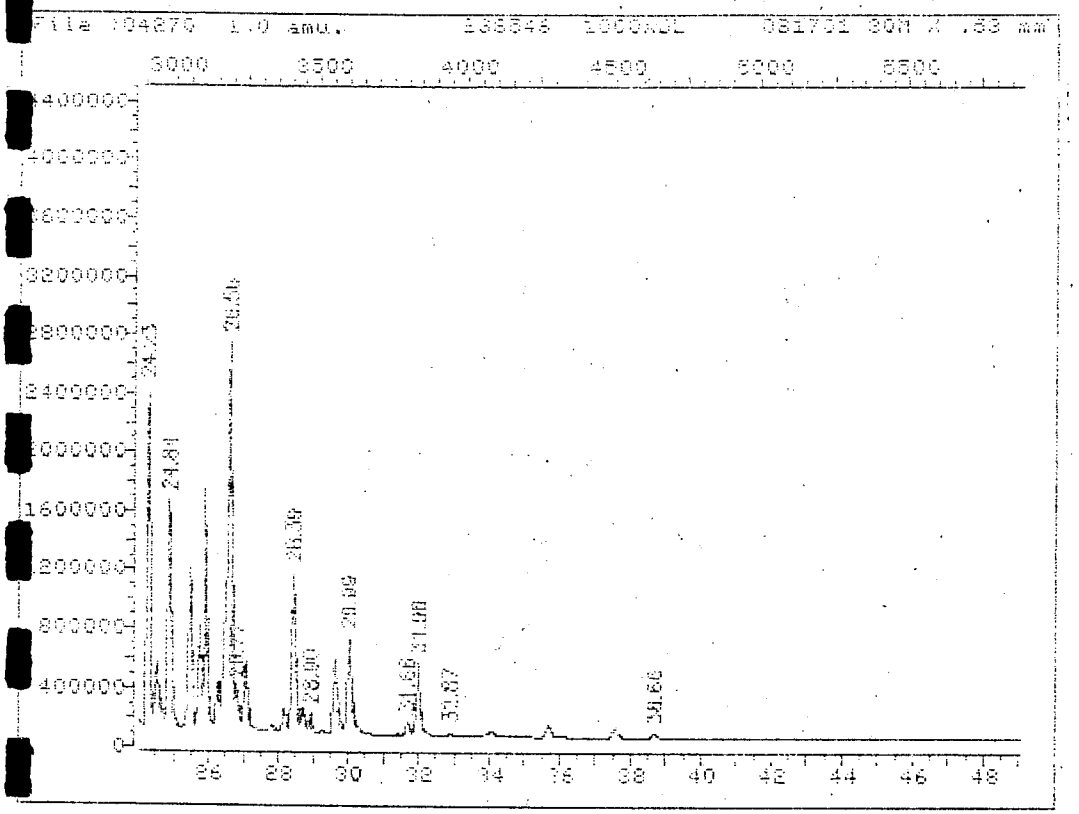

Data File: >04270::G1 Quant.Output File: ^04270::GQ
Name: 238546 1000XDL Instrument ID: GC04
Misc: DB1701 30M X .53 mm SCS890S 1ul inj.

Id File: IDCAP2::SC
Title: Capillary Column DB1701
Last Calibration: 941027 10:07 Last Cool Time: 960701 21:23

Operator ID: TRFI2
Quant Time : 960712 08:05
Inserted at: 960712 01:32

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QUANT REPORT

Operator ID: TRFI2 Quant Rev: 7 Quant Time: 960712 13:50
Output File: ^03270::GQ Injected at: 960712 01:32
Data File: >03270::G3 Dilution Factor: 1.00000
Name: 238546 1000XDL Instrument ID: GC03
Misc: DB608 30M X .53mm GC58903 1ul inj.

ID File: IDCAP1::SC
Title: Capillary Column DB 608
Last Calibration: 941029 10:07 Last Qcal Time: 960702 00:13

	Compound	R.T.	Scan#	Area	Conc	Units	q
[redacted])	#Tetrachloro-m-xylene	9.07	1088	9616	.0768	ng/ml	100
[redacted])	~~#alpha-BHC~~	12.47	1496	49192	.332	ng/ml	100
3)	~~#beta-BHC~~	14.81	1777	336894	4.10	ng/ml	100
[redacted])	~~#gamma-BHC (Lindane)~~	14.29	1715	371645	2.72	ng/ml	100
[redacted])	~~#Heptachlor~~	16.02	1923	1942121	24.89	ng/ml	100
7)	~~#Aldrin~~	17.38	2085	340579	2.53	ng/ml	100
[redacted])	~~#Heptachlor epoxide~~	19.93	2391	4551032	41.43	ng/ml	100
[redacted])	~~#Endosulfan~~ I	21.70	2604	5952590	48.85	ng/ml	100
11)	~~#4,4'-DDE~~	22.68	2722	18340208	200.49	ng/ml	100
12)	~~#Endrin~~ NT	24.82	2978	22024840	257.32	ng/ml	100
[redacted])	~~#Endosulfan II~~	25.85	3102	10488784	108.90	ng/ml	100
[redacted])	~~#4,4'-DDD~~	25.52	3062	1530334	26.57	ng/ml	100
15)	~~#Endosulfan Sulfate~~	28.39	3407	926913	10.46	ng/ml	100
[redacted])	~~#4,4'-DDT~~	27.29	3274	3514896	54.23	ng/ml	100
[redacted])	~~#Methoxychlor~~	32.44	3892	3910678	100.73	ng/ml	100
18)	~~#Endrin ketone~~	32.88	3945	8775496	97.47	ng/ml	100
[redacted])	#Decachlorobiphenyl	41.63	4995	849929	7.10	ng/ml	100
[redacted])	~~#alpha-Chlordane~~ NT	21.43	2572	15407576	112.20	ng/ml	100
22)	~~#Toxaphene(1)~~ NP	23.83	2859	11365912	7087.19	ng/ml	100
23)	~~#Aroclor-1016(1)~~ NP	12.29	1475	14947	5.08	ng/ml	100
[redacted])	~~#Aroclor-1221(1)~~ NP	8.05	966	11175	13.18	ng/ml	100
[redacted])	~~#Aroclor-1232(1)~~ NP	12.29	1475	14947	5.22	ng/ml	100
26)	~~#Aroclor-1242(1)~~ NP	12.29	1475	14947	5.73	ng/ml	100
[redacted])	~~#Aroclor-1248(1)~~ NP	16.02	1923	1942121	256.65	ng/ml	100
[redacted])	#Aroclor-1254(1)	20.81	2497	27125280M	5720.88	ng/ml	
29)	~~#Aroclor-1260(1)~~ NP	24.37	2924	19398440	2502.36	ng/ml	100
30)	~~#Endrin aldehyde~~ NT	27.67	3320	5886470	74.63	ng/ml	100
[redacted])	~~#Toxaphene(2)~~ NP	27.67	3320	5886470	3198.91	ng/ml	100
[redacted])	~~#Toxaphene(3)~~ NP	28.39	3407	926913	370.84	ng/ml	100
34)	~~#Aroclor-1016(2)~~ NP	14.29	1715	360443	55.14	ng/ml	100
[redacted])	~~#Aroclor-1016(3)~~ NP	16.02	1923	1942121	175.83	ng/ml	100
[redacted])	~~#Aroclor-1016(4)~~ NP	16.76	2011	77208	20.67	ng/ml	100
37)	~~#Aroclor-1016(5)~~ NP	18.99	2279	12476396	3672.06	ng/ml	100
38)	~~#Aroclor-1221(2)~~ NP	11.25	1350	27364	16.29	ng/ml	100
[redacted])	~~#Aroclor-1221(3)~~ NP	12.29	1475	14947	3.92	ng/ml	100
40)	~~#Aroclor-1232(2)~~ NP	14.29	1715	360443	127.72	ng/ml	100
41)	~~#Aroclor-1232(3)~~ NP	16.02	1923	1942121	412.81	ng/ml	100
[redacted])	~~#Aroclor-1232(4)~~ NP	16.76	2011	77208	44.84	ng/ml	100
[redacted])	~~#Aroclor-1242(2)~~ NP	14.29	1715	357261	66.38	ng/ml	100
44)	~~#Aroclor-1242(3)~~ NP	16.02	1923	1942121	217.89	ng/ml	100

7/19/96

QUANT REPORT

Operator ID: TRFI2 Quant Rev: 7 Quant Time: 960712 13:50
Output File: ^03270::GQ Injected at: 960712 01:32
Data File: >03270::G3 Dilution Factor: 1.00000
Name: 238546 1000XDL Instrument ID: GC03
Misc: DB608 30M X .53mm GC58903 1ul inj.

ID File: IDCAP1::SC
Title: Capillary Column DB 608
Last Calibration: 941029 10:07 Last Qcal Time: 960702 00:13

	Compound	R.T.	Scan#	Area	Conc	Units	q
45)	~~#Aroclor-1242(4)~~ NP	16.76	2011	77208	24.41	ng/ml	100
46)	~~#Aroclor-1242(5)~~ NP	18.99	2279	12476396	4174.16	ng/ml	100
47)	~~#Aroclor-1248(2)~~ NP	17.52	2102	17034120	6530.64	ng/ml	100
48)	~~#Aroclor-1248(3)~~ NP	18.99	2279	12476396	3004.45	ng/ml	100
49)	~~#Aroclor-1248(4)~~ NP	20.45	2454	7157325	1477.25	ng/ml	100
50)	~~#Aroclor-1248(5)~~ NP	21.70	2604	5952590	1079.68	ng/ml	100
51)	#Aroclor-1254(2)	21.10	2532	32336248M	5834.90	ng/ml	100
52)	#Aroclor-1254(3)	22.68	2722	18340208	11374.48	ng/ml	100
53)	#Aroclor-1254(4)	23.47	2816	36332064M	5984.44	ng/ml	
54)	#Aroclor-1254(5)	24.82	2978	21914228	6111.70	ng/ml	100
55)	~~#Aroclor-1260(2)~~ NP	24.82	2978	21914228	3128.65	ng/ml	100
56)	~~#Aroclor-1260(3)~~ NP	26.53	3183	14472038	2772.29	ng/ml	100
57)	~~#Aroclor-1260(4)~~ NP	30.12	3614	14830592	1372.61	ng/ml	100
58)	~~#Aroclor-1260(5)~~ NP	32.88	3945	8700066	1575.81	ng/ml	100

Compound uses ESTD

7/19/96

QUANT REPORT

Operator ID: TRFI2 Quant Rev: 7 Quant Time: 960712 08:03
Source File: >04270:SC Injection at: 960712 01:32
Data File: >04270:G1.. Dilution Factor: 1.00000
Name: 2385-2 1002.DL Instrument ID: GC04
Misc: 031701.30M K .53 mm DB5903 1ul inj.

ID File: IDCAP2:SC
Title: Capillary Column DB1701
Last Calibration: 941029 10:07 Last Cal Time: 960701 21:23

	Compound	R.T.	Scan#	Area	Conc	Units	q
2)	~~#alpha BHC~~	13.48	1610	27885	.851	ng/ml	100
)	~~#beta BHC~~	18.53	2223	6071955	231.09	ng/ml	100
)	~~#delta BHC~~	19.65	2358	754001	30.94	ng/ml	100
6)	~~#Lindane~~	16.37	1965	346175	7.30	ng/ml	100
)	~~#Dieldrin~~	17.43	2091	11492224	305.18	ng/ml	100
)	~~#Heptachlor epoxide~~	20.42	2450	4543907	104.05	ng/ml	100
9)	~~#Endosulfan I~~	21.74	2609	17234	.483	ng/ml	100
10)	~~#Dieldrin~~	23.35	2802	2730912	84.09	ng/ml	100
)	~~#4,4' DDE~~	22.69	2723	5317529	191.56	ng/ml	100
12)	~~#Endrin~~	24.25	2907	16853960	581.40	ng/ml	100
13)	~~#Endosulfan II~~	26.77	3212	1658992	46.35	ng/ml	100
)	~~#4,4' DDD~~	26.56	3187	23796500	1126.15	ng/ml	100
)	~~#Endrin ketone~~	32.87	3944	175945	6.25	ng/ml	100
19)	#Decachlorobiphenyl	38.66	4639	309484	6.63	ng/ml	100
)	~~#alpha Chlordane~~ NT	22.18	2662	8152417	195.48	ng/ml	100
)	~~#gamma Chlordane~~ NT	21.94	2633	1469839	36.78	ng/ml	100
23)	~~#Aroclor 1016(1)~~ NP	12.06	1447	12433	10.07	ng/ml	100
24)	~~#Aroclor 1221(1)~~ NP	7.42	890	313549	396.48	ng/ml	100
)	~~#Aroclor 1232(1)~~ NP	7.42	890	313549	243.31	ng/ml	100
)	~~#Aroclor 1242(1)~~ NP	12.06	1447	12433	11.75	ng/ml	100
27)	~~#Aroclor 1248(1)~~ NP	13.82	1659	136131	123.59	ng/ml	100
)	#Aroclor-1254(1)	17.43	2091	11492292	7234.04	ng/ml	100
)	~~#Aroclor 1260(1)~~ NP	23.74	2849	12041198	5211.89	ng/ml	100
30)	~~#Endrin aldehyde~~ NT	28.90	3468	968873	31.89	ng/ml	100
31)	~~#Toxaphene(2)~~ NP	28.39	3407	7977548	11068.55	ng/ml	100
)	~~#Toxaphene(4)~~	31.66	3799	651688	1298.71	ng/ml	100
34)	~~#Aroclor 1016(2)~~ NP	13.82	1659	136131	55.68	ng/ml	100
35)	~~#Aroclor 1016(3)~~	15.97	1916	856024	220.67	ng/ml	100
)	~~#Aroclor 1016(4)~~	16.37	1965	346178	237.71	ng/ml	100
)	~~#Aroclor 1016(5)~~	18.53	2223	6062943	2942.21	ng/ml	100
39)	~~#Aroclor 1221(3)~~ NP	12.06	1447	12433	7.25	ng/ml	100
)	~~#Aroclor 1232(2)~~	12.06	1447	12433	10.61	ng/ml	100
)	~~#Aroclor 1232(3)~~	13.82	1659	136131	132.20	ng/ml	100
42)	~~#Aroclor-1232(4)~~ NP	15.97	1916	856024	547.93	ng/ml	100
43)	~~#Aroclor 1242(2)~~	13.82	1659	136131	68.53	ng/ml	100
)	~~#Aroclor 1242(3)~~	15.97	1916	856024	277.64	ng/ml	100
45)	~~#Aroclor-1242(4)~~ NP	16.37	1965	346178	302.87	ng/ml	100
46)	~~#Aroclor-1242(5)~~	17.43	2091	11492292	14524.41	ng/ml	100
)	~~#Aroclor 1248(2)~~ NP	15.97	1916	856024	327.69	ng/ml	100
)	~~#Aroclor 1248(3)~~	18.53	2223	6062943	2460.93	ng/ml	100

NP
NT Ep

Ep
7/13/96

Operator ID: TRFI2 Quant Rev: 7. Quant Time: 960712 08:03
Inspect File: [illegible]GC Injected at: 960712 01:52
Data File: [illegible]G1 Dilution Factor: 1.00000
Name: [illegible]546 [illegible]XDL Instrument ID: GC04
Misc: DB1701 30M X .53 mm [illegible]903 1ul inj.

ID File: IDCAP2::SC
Title: Capillary Column DB1701
Last Calibration: 941027 10:07 Last Scal Time: 960701 21:23

	Compound	R.T.	Scan#	Area	Conc	Units	q
49)	#~~Aroclor-1248(4)~~ NP	18.95	2274	2804102	1588.40	ng/ml	100
[illegible])	#~~Aroclor-1248(5)~~ NP	20.42	2450	4543999	4734.32	ng/ml	100
[illegible]	#Aroclor-1254(2)	20.26	2431	14747268	7253.37	ng/ml	100
52)	#Aroclor-1254(3)	21.08	2530	15171368	8272.24	ng/ml	100
[illegible]	#Aroclor-1254(4)	23.04	2765	24001816	9413.58	ng/ml	100
[illegible]	#Aroclor-1254(5)	23.74	2849	12041198	8878.24	ng/ml	100
55)	#~~Aroclor-1260(2)~~	24.84	2981	10827452	5987.85	ng/ml	100
56)	#~~Aroclor-1260(3)~~ NP	28.39	3407	7994913	4504.58	ng/ml	100
[illegible]	#~~Aroclor-1260(4)~~	29.99	3598	6351158	1615.42	ng/ml	100
58)	#~~Aroclor-1260(5)~~	31.98	3837	5010563	2017.59	ng/ml	100

Compound uses ESTD

EPM
7/13/96

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS5	DL

Lab Name: ICM Contract:

Lab Code: ICM Case No.: SAS No.: SDG No.: RIN1A

Matrix: (soil/water) SOIL Lab Sample ID: 238546

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 03242

% Moisture: 24. decanted: (Y/N) N Date Received: 06/28/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 07/03/96

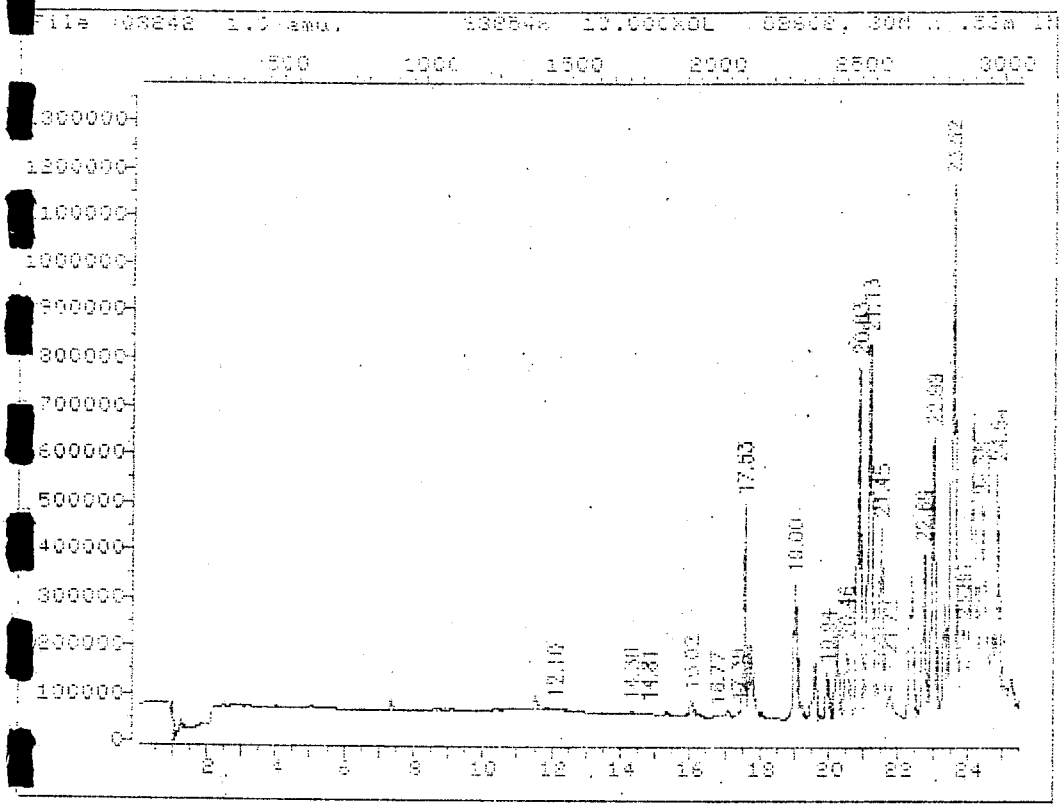
Concentrated Extract Volume: 5000 (uL) Date Analyzed: 07/10/96

Injection Volume: 1.0 (uL) Dilution Factor: 10000.0

GPC Cleanup: (Y/N) Y pH: 7.8 Sulfur Cleanup: (Y/N) N

Use these data.

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
319-84-6	alpha-BHC	23000.	U
319-85-7	beta-BHC	23000.	U
319-86-8	delta-BHC	23000.	U
58-89-9	gamma-BHC (Lindane)	23000.	U
76-44-8	Heptachlor	23000.	U
309-00-2	Aldrin	23000.	U
1024-57-3	Heptachlor epoxide	23000.	U
959-98-8	Endosulfan I	23000.	U
60-57-1	Dieldrin	44000.	U
72-55-9	4,4'-DDE	44000.	U
72-20-8	Endrin	44000.	U
33213-65-9	Endosulfan II	44000.	U
72-54-8	4,4'-DDD	44000.	U
1031-07-8	Endosulfan Sulfate	44000.	U
50-29-3	4,4'-DDT	44000.	U
72-43-5	Methoxychlor	230000.	U
53494-70-5	Endrin ketone	44000.	U
7421-93-4	Endrin aldehyde	44000.	U
5103-71-9	alpha-Chlordane	23000.	U
5103-74-2	gamma-Chlordane	23000.	U
8001-35-2	Toxaphene	2300000.	U
12674-11-2	Aroclor-1016	440000.	U
11104-28-2	Aroclor-1221	890000.	U
11141-16-5	Aroclor-1232	440000.	U
53469-21-9	Aroclor-1242	440000.	U
12672-29-6	Aroclor-1248	440000.	U
11097-69-1	Aroclor-1254	5000000.	D
11096-82-5	Aroclor-1260	440000.	U

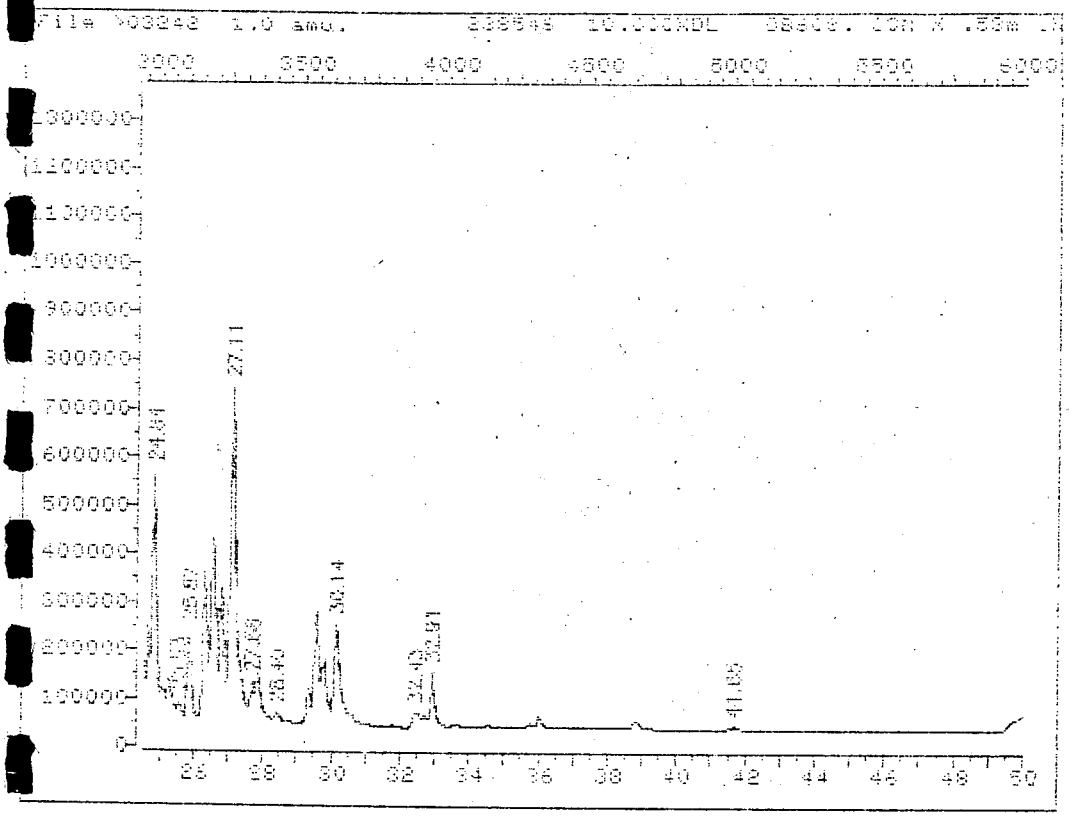


Data File: >03242::G3 Quant Output File: ^03242::GQ
Name: 238546 10.000XDL Instrument ID: GC03
Misc: DB608, 30M X .55m INST 58903, 1ul INJ

Id File: IDCAP1::SC
Title: Capillary Column DB 608
Last Calibration: 941029 10:07 Last Cal Time: 960702 00:13

Operator ID: TRFIL
Quant Time : 960713 13:14
Injected at: 960710 16:21

Page 1 of 2

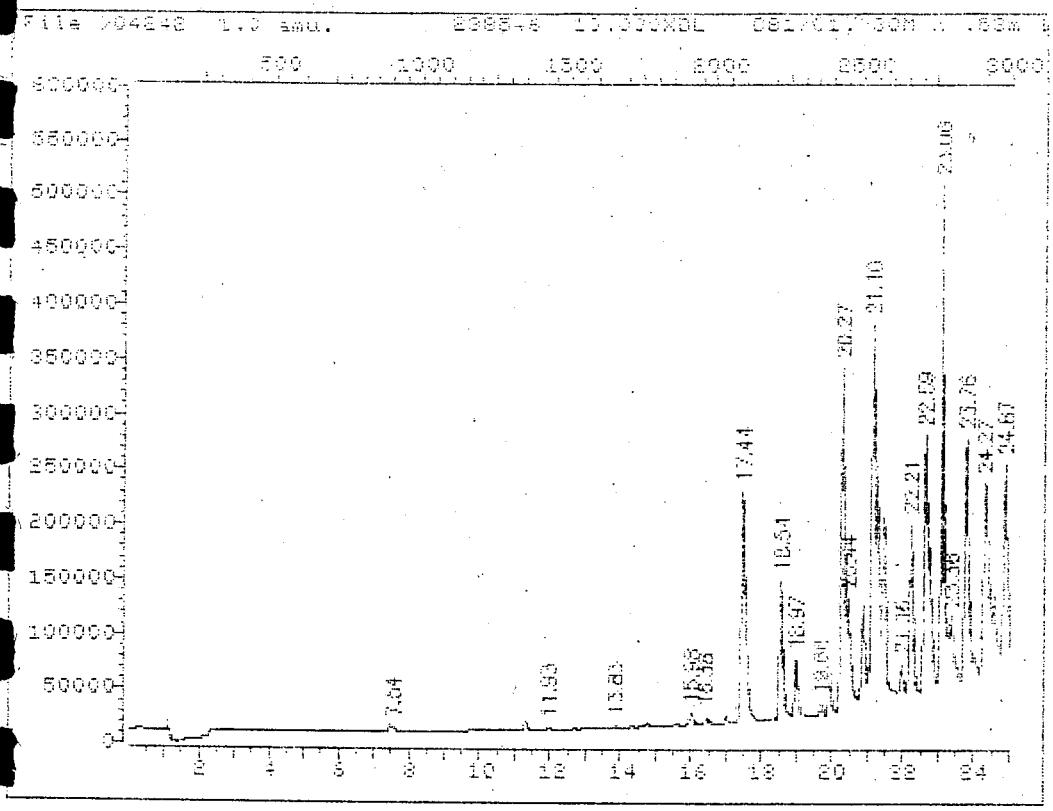


Data File: >03242::63 Quant Output File: ^03242::60
Name: IIS546 10.000XDL Instrument ID: GC03
Misc: DB608. 30M X .53m INST 58903. 1ul INJ

Id File: IDCAP1::SC
Title: Capillary Column DB 608
Last Calibration: 941029 10:07 Last Cool Time: 960702 00:13

Operator ID: TRFIL
Quant Time : 960713 13:14
Injected at: 960710 16:21

Page 2 of 2

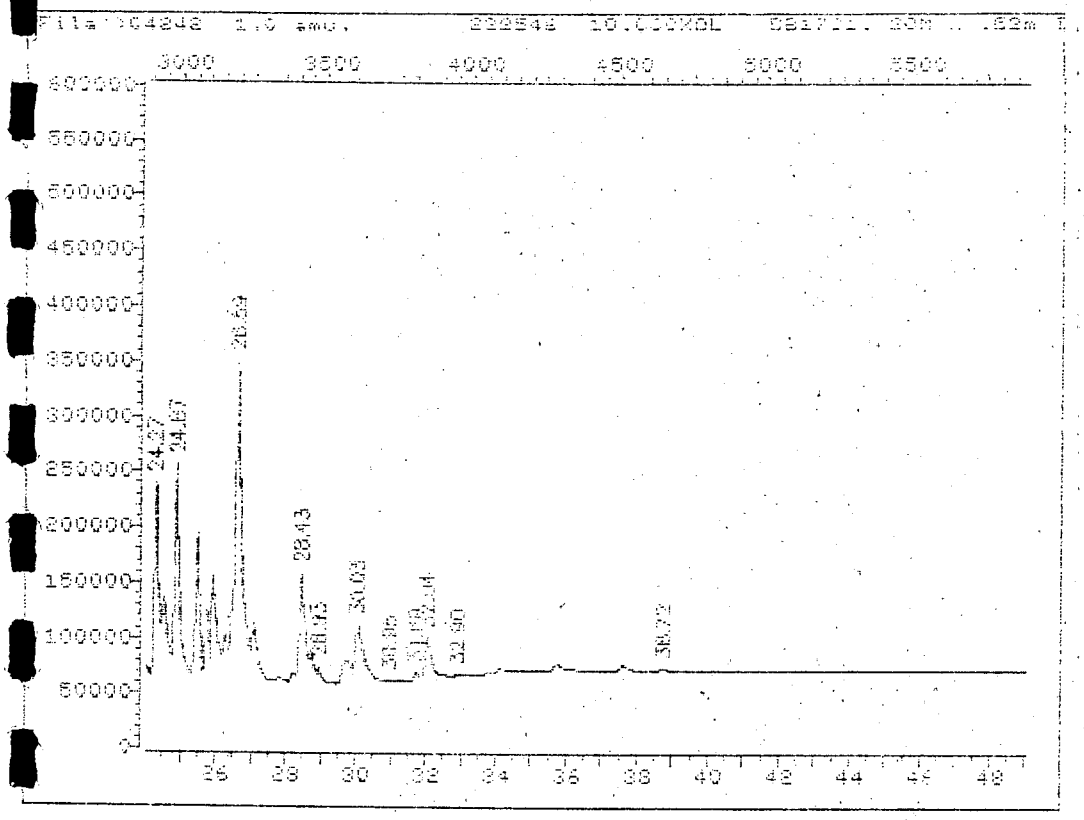


Data File: >04242::G1 :Quant Output File: ^04242::GQ
Name: 238546 10,000XDL Instrument ID: GC04
Misc: DB1701, 30M X .53m INST 52903, 1ul INJ

Id File: IDCAPZ::SC
Title: Capillary Column DB1701
Last Calibration: 941029 10:07 Last Cal Time: 950701 21:23

Operator ID: TRFIL
Quant Time : 960713 13:04
Injected at: 950710 16:21

Page 1 of 2



Data File: >04242::G1 Quant Output File: ^04242::GQ
Name: 276546 10.000XDL Instrument ID: GC04
Misc: DB1701. 30M X .53m INST 58903. 1ul INJ

Id File: IDCAP2::SC
Title: Capillary Column DB1701
Last Calibration: 941027 10:07 Last Quant Time: 960701 21:23

Operator ID: TRFIL
Quant Time : 960713 13:04
Injected at: 960710 16:21

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QUANT REPORT

Operator ID: TRFIL Quant Rev: 7 Quant Time: 960713 13:14
Report File: >03242:SG Injected at: 960710 16:21
Data File: >03242:SS Dilution Factor: 1.00000
Name: SSSE4: 10.00 (DL Injection ID: SC03
Misc: IS600, EOM: 53m INJT T9905, 1ul INJ

SS5 DL

Lib File: IDCAP1::SC
Title: Capillary Column DB 608
Last Calibration: 941029 10:07 Last Cal Time: 960702 00:13

	Compound	R.T.	Scan#	Area	Conc	Units	q
5)	~~#Alpha-BHC~~	14.81	1777	51941	.635	ng/ml	100
6)	~~#gamma-BHC (Lindane)~~	14.30	1716	29859	.218	ng/ml	100
8)	~~#Heptachlor~~	16.02	1923	238292	5.05	ng/ml	100
7)	~~#Aldrin~~	17.38	2086	30240	.224	ng/ml	100
9)	~~#Heptachlor epoxide~~	19.94	2395	547782	4.99	ng/ml	100
8)	~~#Endosulfan I~~	21.72	2606	919169	7.54	ng/ml	100
10)	~~#Dieldrin~~	22.99	2759	3614895	38.23	ng/ml	100
11)	~~#4,4'-DDE~~	22.69	2723	2589969	28.31	ng/ml	100
12)	~~#Endrin~~	24.94	2980	5159380	36.91	ng/ml	100
13)	~~#Endosulfan II~~	25.87	3104	1316008	13.66	ng/ml	100
14)	~~#4,4'-DDD~~	25.53	3063	219228	3.81	ng/ml	100
15)	~~#Endosulfan Sulfate~~	28.40	3408	130539	1.47	ng/ml	100
16)	~~#4,4'-DDT~~	27.11	3253	5156512	79.55	ng/ml	100
17)	~~#Methoxychlor~~	32.43	3891	428999	11.05	ng/ml	100
18)	~~#Endrin ketone~~	32.91	3949	1117779	12.41	ng/ml	100
19)	#Decachlorobiphenyl	41.65	4998	89813	.750	ng/ml	100
20)	~~#alpha-Chlordane~~ NT	21.45	2574	2450229	17.84	ng/ml	100
21)	~~#gamma-Chlordane~~ NT	20.85	2499	4714675	40.01	ng/ml	100
22)	~~#Toxaphene(1)~~ NP	23.86	2863	1214313	757.13	ng/ml	100
23)	~~#Aroclor-1016(1)~~ NP	12.10	1452	12863	4.39	ng/ml	100
25)	~~#Aroclor-1232(1)~~ NP	12.10	1452	12863	4.49	ng/ml	100
26)	~~#Aroclor-1242(1)~~ NP	12.10	1452	12863	4.93	ng/ml	100
27)	~~#Aroclor-1248(1)~~ NP	16.02	1923	238292	31.49	ng/ml	100
28)	#Aroclor-1254(1)	20.85	2499	4714675	994.35	ng/ml	100
29)	~~#Aroclor-1260(1)~~ NP	24.38	2925	5250210	416.69	ng/ml	100
30)	~~#Endrin aldehyde~~ NT	27.68	3321	489687	6.21	ng/ml	100
31)	~~#Toxaphene(2)~~ NP	27.68	3321	490572	266.59	ng/ml	100
32)	~~#Toxaphene(3)~~ NP	28.40	3408	130539	52.23	ng/ml	100
33)	~~#Aroclor-1016(2)~~ NP	14.30	1716	29859	4.57	ng/ml	100
34)	~~#Aroclor-1016(3)~~ NP	16.02	1923	238292	21.57	ng/ml	100
36)	~~#Aroclor-1016(4)~~ NP	16.77	2013	36279	9.71	ng/ml	100
37)	~~#Aroclor-1016(5)~~ NP	19.00	2280	1865752	549.13	ng/ml	100
38)	~~#Aroclor-1221(1)~~ NP	12.10	1452	12863	3.37	ng/ml	100
40)	~~#Aroclor-1232(2)~~ NP	14.30	1716	29859	10.58	ng/ml	100
41)	~~#Aroclor-1232(3)~~ NP	16.02	1923	238292	50.65	ng/ml	100
42)	~~#Aroclor-1232(4)~~ NP	16.77	2013	36279	21.07	ng/ml	100
43)	~~#Aroclor-1242(2)~~ NP	14.30	1716	29859	5.55	ng/ml	100
44)	~~#Aroclor-1242(3)~~ NP	16.02	1923	238292	26.73	ng/ml	100
45)	~~#Aroclor-1242(4)~~ NP	16.77	2013	36279	11.47	ng/ml	100
46)	~~#Aroclor-1242(5)~~ NP	19.00	2280	1865752	624.21	ng/ml	100

NT

EPma
7/13/96

QUANT EPORT Page 2

Operator ID: TRFIL Quant Rev: 7 Quant Time: 960713 13:14
Output File: >03242::GC Injected at: 960710 16:21
Data File: >03242::G3 Dilution Factor: 1.00000
Name: 231746 10.000XDL Instrument ID: GC03
Misc: 0360, 30M X .53m INST 58903, 1.1 ING

Lib File: LCCAP1::GC
Title: Capillary Column DB 608
Last Calibration: 941029 10:07 Last Cal Time: 960702 00:13

	Compound	R.T.	Scan#	Area	Conc	Units	q
47)	~~#Aroclor-1248(2)~~	17.53	2103	2800151	1073.54	ng/ml	100
[illegible])	~~#Aroclor-1248(3)~~	19.00	2280	1865752	449.29	ng/ml	100
[illegible])	~~#Aroclor-1248(4)~~ NP	20.46	2455	949853	196.05	ng/ml	100
50)	~~#Aroclor-1248(5)~~	21.72	2606	919165	166.72	ng/ml	100
[illegible])	#Aroclor-1254(2)	21.13	2535	[illegible]82828	1025.44	ng/ml	100
[illegible])	#Aroclor-1254(3)	22.69	2723	2589848	1606.21	ng/ml	100
55)	#Aroclor-1254(4)	23.52	2822	7067240	1164.08	ng/ml	100
54)	#Aroclor-1254(5)	24.84	2980	3159380	881.13	ng/ml	100
[illegible])	~~#Aroclor-1260(2)~~	24.84	2980	3159380	451.06	ng/ml	100
[illegible])	~~#Aroclor-1260(4)~~ NP	30.14	3617	2539928	235.08	ng/ml	100
58)	~~#Aroclor-1260(5)~~	32.91	3949	1117779	202.46	ng/ml	100

Compound uses ESTD

EPrice
7/13/96

QUANT REPORT

Operator ID: TRFIL Quant Rec: 7 Quant Time: 960713 13:04
Input File: 0424Z1:SC Injected at: 960711 16:21
Data File: 0424Z1:G1 Dilution Factor: 1.00000
Name: 23894, 10,000XDL Instrument ID: GC04
Misc: DB1701, 30M X .53m INST 58903, 1ul INJ.

Cal File: IDCAP2:SC
Title: Capillary Column DB1701
Last Calibration: 941029 10:07 Last Cal Time: 960701 21:23

	Compound	R.T.	Scan#	Area	Conc	Units	q
3)	~~#Lindane BHC~~	18.54	2225	853627	31.73	ng/ml	100
4)	~~#Delta BHC~~	19.66	2359	80433	3.30	ng/ml	100
5)	~~#Heptachlor~~	16.36	1966	39930	.842	ng/ml	100
7)	~~#Aldrin~~	17.44	2093	1822233	48.39	ng/ml	100
8)	~~#Heptachlor epoxide~~	20.14	2453	578931	13.26	ng/ml	100
9)	~~#Endosulfan~~	23.56	2903	44203	13.61	ng/ml	100
11)	~~#4,4'-DDE~~	22.59	2711	1471395	53.00	ng/ml	100
12)	~~#Endrin~~	24.27	2912	1680035	57.95	ng/ml	100
13)	~~#Endosulfan II~~	26.59	3191	3090865	86.36	ng/ml	100
14)	~~#4,4'-DDD~~	26.57	3191	3079184	145.72	ng/ml	100
17)	~~#Methoxychlor~~	30.95	3714	7705	.572	ng/ml	100
18)	~~#Endrin ketone~~	32.90	3948	19348	.687	ng/ml	100
19)	#Decachlorobiphenyl	38.72	4646	27433	.587	ng/ml	100
20)	~~#alpha-Chlordane~~ NT	22.21	2665	1011185	24.25	ng/ml	100
21)	~~#gamma-Chlordane~~ NT	21.96	2635	154207	3.86	ng/ml	100
22)	~~#Aroclor-1016(1)~~ NP	11.93	1432	12286	9.93	ng/ml	100
24)	~~#Aroclor-1221(1)~~ NP	7.54	905	15966	20.19	ng/ml	100
25)	~~#Aroclor-1232(1)~~ NP	7.54	905	15966	13.41	ng/ml	100
26)	~~#Aroclor-1242(1)~~ NP	11.93	1432	12286	11.61	ng/ml	100
27)	~~#Aroclor-1248(1)~~ NP	13.83	1660	16501	14.98	ng/ml	100
28)	#Aroclor-1254(1)	17.44	2093	1822233	1147.04	ng/ml	100
29)	~~#Aroclor-1260(1)~~ NP	23.76	2851	1602641	693.19	ng/ml	100
30)	~~#Endrin aldehyde~~	28.93	3471	115999	3.82	ng/ml	100
31)	~~#Toxaphene(2)~~ NP	28.47	3411	823301	1142.30	ng/ml	100
32)	~~#Toxaphene(4)~~ NP	31.69	3803	64635	128.81	ng/ml	100
33)	~~#Aroclor-1016(2)~~ NP	13.83	1660	16501	6.75	ng/ml	100
34)	~~#Aroclor-1016(3)~~ NP	15.98	1918	89694	23.12	ng/ml	100
36)	~~#Aroclor-1016(4)~~ NP	16.58	1966	39930	27.42	ng/ml	100
37)	~~#Aroclor-1016(5)~~ NP	18.54	2225	853627	404.54	ng/ml	100
38)	~~#Aroclor-1221(2)~~ NP	11.93	1432	12286	7.16	ng/ml	100
40)	~~#Aroclor-1232(2)~~ NP	11.93	1432	12286	10.49	ng/ml	100
41)	~~#Aroclor-1232(3)~~ NP	13.83	1660	16501	16.03	ng/ml	100
42)	~~#Aroclor-1232(4)~~ NP	15.98	1918	89694	57.42	ng/ml	100
43)	~~#Aroclor-1242(2)~~ NP	13.83	1660	16501	8.31	ng/ml	100
44)	~~#Aroclor-1242(3)~~ NP	15.98	1918	89694	29.09	ng/ml	100
45)	~~#Aroclor-1242(4)~~ NP	16.58	1966	39930	34.93	ng/ml	100
46)	~~#Aroclor-1242(5)~~ NP	17.44	2093	1822233	2303.01	ng/ml	100
47)	~~#Aroclor-1248(2)~~ NP	15.98	1918	89694	34.54	ng/ml	100
48)	~~#Aroclor-1248(3)~~ NP	18.54	2225	853627	538.37	ng/ml	100
49)	~~#Aroclor-1248(4)~~ NP	18.97	2276	320109	181.53	ng/ml	100

EPrui
7/13/96

QUANT REPORT

Operator ID: TRFIL Quant Rev: 7 Quant Time: 960713 13:04
Output File: 1042.2::GQ Injected at: 960710 16:21
Data File: 1042.2::G1 Dilution Factor: 1.00000
Name: 231546 10.000XDL Instrument ID: GC04
Disc: DB1701, 30M x .53m INST 58905, 1.1 IND

ID File: IDCAP2::SC
Title: Capillary Column DB1701
Last Calibration: 941027 10:07 Last Cal Time: 960701 21:23

	Compound	R.T.	Scan#	Area	Conc	Units	q
50)	#~~Aroclor-1248(5)~~ UP	20.44	2453	578931	603.18	ng/ml	100
[illegible])	#Aroclor-1254(2)	20.27	2432	2094617	1030.22	ng/ml	100
[illegible])	#Aroclor-1254(3)	21.10	2532	2107496	1149.12	ng/ml	100
53)	#Aroclor-1254(4)	23.06	2767	3187512	1250.18	ng/ml	100
54)	#Aroclor-1254(5)	23.76	2851	1602642	1181.66	ng/ml	100
[illegible])	#~~Aroclor-1260(2)~~	24.87	2984	1585913	584.11	ng/ml	100
56)	#~~Aroclor-1260(3)~~ UP	28.43	3411	823301	463.87	ng/ml	100
57)	#~~Aroclor-1260(4)~~	30.03	3603	827349	210.44	ng/ml	100
[illegible])	#~~Aroclor-1260(5)~~	32.04	3844	552417	222.44	ng/ml	100

Compound uses ESTD

EPrice
7/13/96

QUANT REPORT

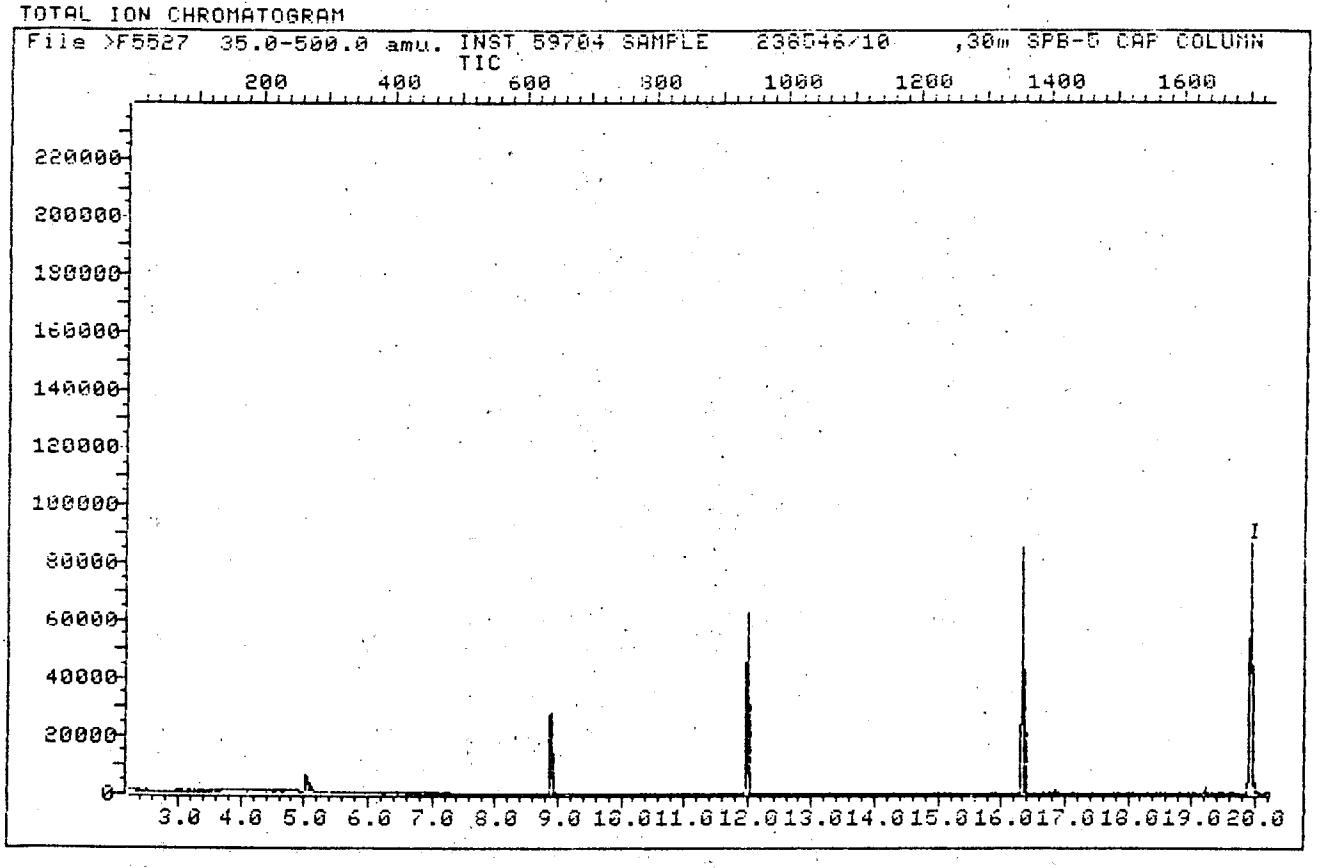
Operator ID: GT0101 Quant Rev: 7 Quant Time: 960709 14:06
Output File: ^F5527::QT Injected at: 960709 13:27
Data File: >F5527::F1 Dilution Factor: 1.00000
Name: INST 59704 SAMPLE Instrument ID: INST F
Misc: 238546/10 ,30m SPB-5 CAP COLUMN BTL# 5

ID File: IDPEST::SC
Title: CLP PESTICIDE CONFIRMATION FILE
Last Calibration: : Last Qcal Time: 960705 12:13

	Compound	R.T.	Q ion	Area	Conc	Units	q
1)	*Phenanthrene-d10	19.91	188.0	63888	40.00	UG/ML	100

* Compound is ISTD

TOTAL ION CHROMATOGRAM



Data File: >F5527::F1 Quant Output File: ^F5527::QT
Name: INST 59704 SAMPLE Instrument ID: INST F
Misc: 238546/10 ,30m SPB-5 CAP COLUMN BTL# 5

Id File: IDPEST::SC
Title: CLP PESTICIDE CONFIRMATION FILE
Last Calibration: : Last Qcal Time: 960705 12:13

Operator ID: GT0101
Quant Time : 960709 14:06
Injected at: 960709 13:27

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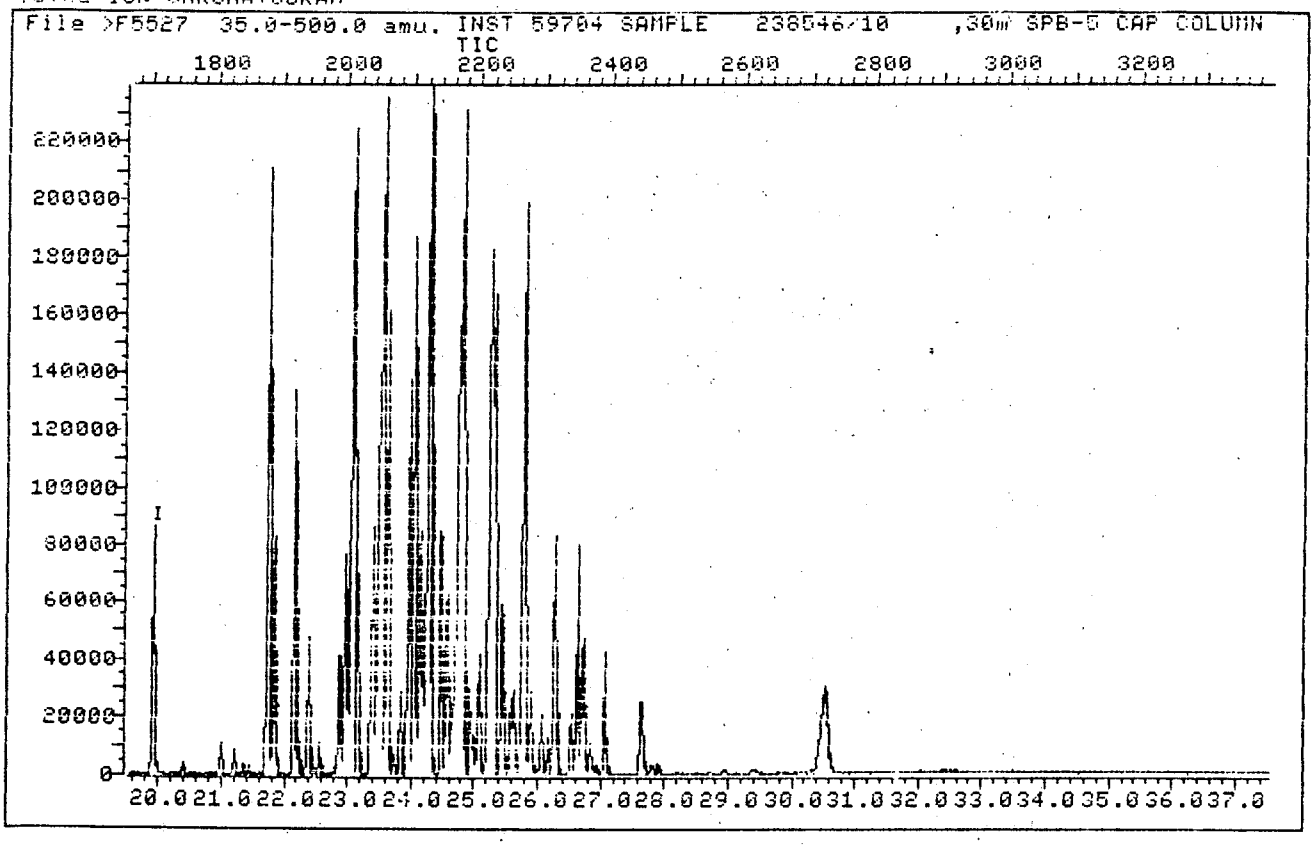
TOTAL ION CHROMATOGRAM



Data File: >F5527::F1 Quant Output File: ^F5527::QT
Name: INST 59704 SAMPLE Instrument ID: INST F
Misc: 238546/10 ,30m SPB-5 CAP COLUMN BTL# 5

Id File: IDPEST::SC
Title: CLP PESTICIDE CONFIRMATION FILE
Last Calibration: : Last Qcal Time: 960705 12:13

Operator ID: GT0101
Quant Time : 960709 14:06
Injected at: 960709 13:27

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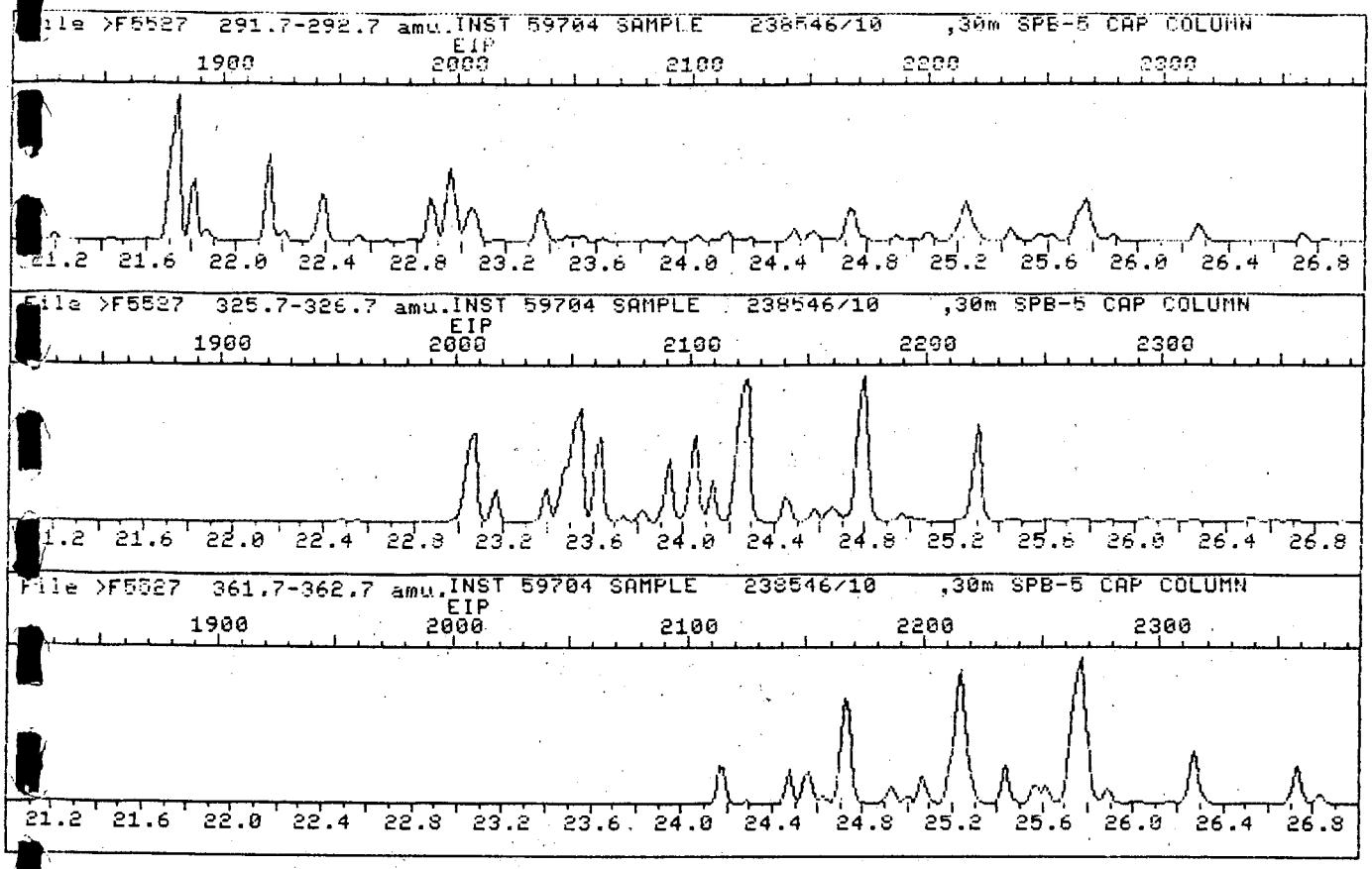


S data file header from : >F5527::F1

Sample: INST 59704 SAMPLE Operator: GT0101 SUPER GRP. 7/09/96 13:27
asc : 238546/10 ,30m SPB-5 CAP COLUMN BTL# 5
ys. #: 1 MS model: 70 SW/HW rev.: LF ALS # : 5 Equip ID: INST F
Method file: BNP4 Tuning file: MTA004 No. of extra records: 2
Source temp.: N/A Analyzer temp.: N/A Transfer line temp. : 0

Chromatographic temperatures :	40.	280.	300.	0.	0.
Chromatographic times, min. :	4.0	1.0	20.0	0.0	0.0
Chromatographic rate, deg/min:	10.0	10.0	0.0	0.0	0.0

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS6

Lab Name: ICM Contract:

Lab Code: ICM Case No.: SAS No.: SDG No.: RIN1A

Matrix: (soil/water) SOIL Lab Sample ID: 238548

Sample wt/vol: 30.4 (g/mL) G Lab File ID: 03272

% Moisture: 25. decanted: (Y/N) N Date Received: 06/28/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 07/03/96

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 07/12/96

Injection Volume: 1.0 (uL) Dilution Factor: 500.0

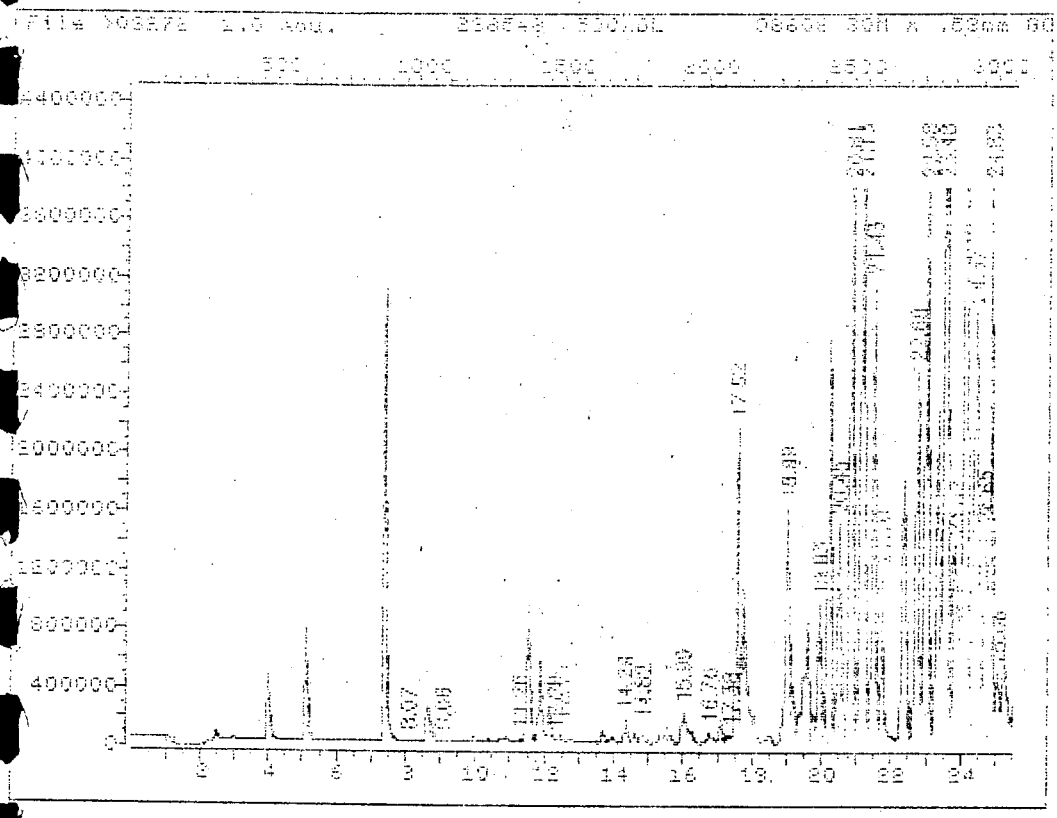
GPC Cleanup: (Y/N) Y pH: 7.9 Sulfur Cleanup: (Y/N) N

Use these data

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
319-84-6	alpha-BHC	1100.	U
319-85-7	beta-BHC	1100.	U
319-86-8	delta-BHC	1100.	U
58-89-9	gamma-BHC (Lindane)	1100.	U
76-44-8	Heptachlor	1100.	U
309-00-2	Aldrin	1100.	U
1024-57-3	Heptachlor epoxide	1100.	U
959-98-8	Endosulfan I	1100.	U
60-57-1	Dieldrin	2200.	U
72-55-9	4,4'-DDE	2200.	U
72-20-8	Endrin	2200.	U
33213-65-9	Endosulfan II	2200.	U
72-54-8	4,4'-DDD	2200.	U
1031-07-8	Endosulfan Sulfate	2200.	U
50-29-3	4,4'-DDT	2200.	U
72-43-5	Methoxychlor	11000.	U
53494-70-5	Endrin ketone	2200.	U
7421-93-4	Endrin aldehyde	2200.	U
5103-71-9	alpha-Chlordane	1100.	U
5103-74-2	gamma-Chlordane	1100.	U
8001-35-2	Toxaphene	110000.	U
12674-11-2	Aroclor-1016	22000.	U
11104-28-2	Aroclor-1221	44000.	U
11141-16-5	Aroclor-1232	22000.	U
53469-21-9	Aroclor-1242	22000.	U
12672-29-6	Aroclor-1248	22000.	U
11097-69-1	Aroclor-1254	2700000 ~~1600000.~~	E D*
11096-82-5	Aroclor-1260	22000.	U

D* value transferred from diluted analysis SS6 DL 5000 x D/F.

FORM I PEST OLM03.0



Data File: *03272::G3 Quant Output File: *03272::GQ
Name: I38548 500XDL Instrument ID: GC05
Misc: DB608 70M X .53mm I258903 1ul inj.

Id File: IDCAP1::GC
Title: Capillary Column DB-608
Last Calibration: 941029 10:07 Last Cal Time: 960702 00:13

Operator ID: TRFI2
Quant Time : 960712 13:52
Injected at: 960712 03:15

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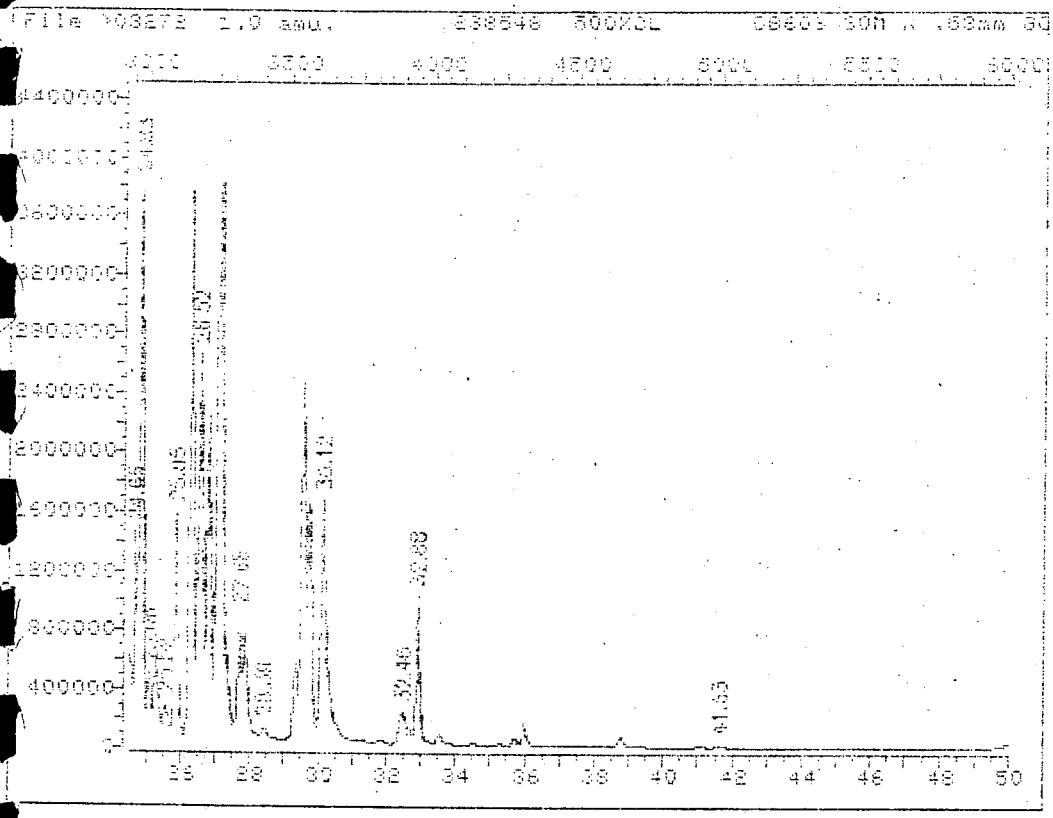

Data File: >03272::G3 Quant Output File: >03272::GQ
Name: 238548 500XDL Instrument ID: GC03
Misc: DB608 30M X .53mm GC58903 1ul inj.

Id File: IDCAP1::GC
Title: Capillary Column DB 608
Last Calibration: 941029 10:07 Last Qual Time: 960702 00:13

Operator ID: TRFI2
Quant Time : 960712 13:52
Injected at: 960712 03:15

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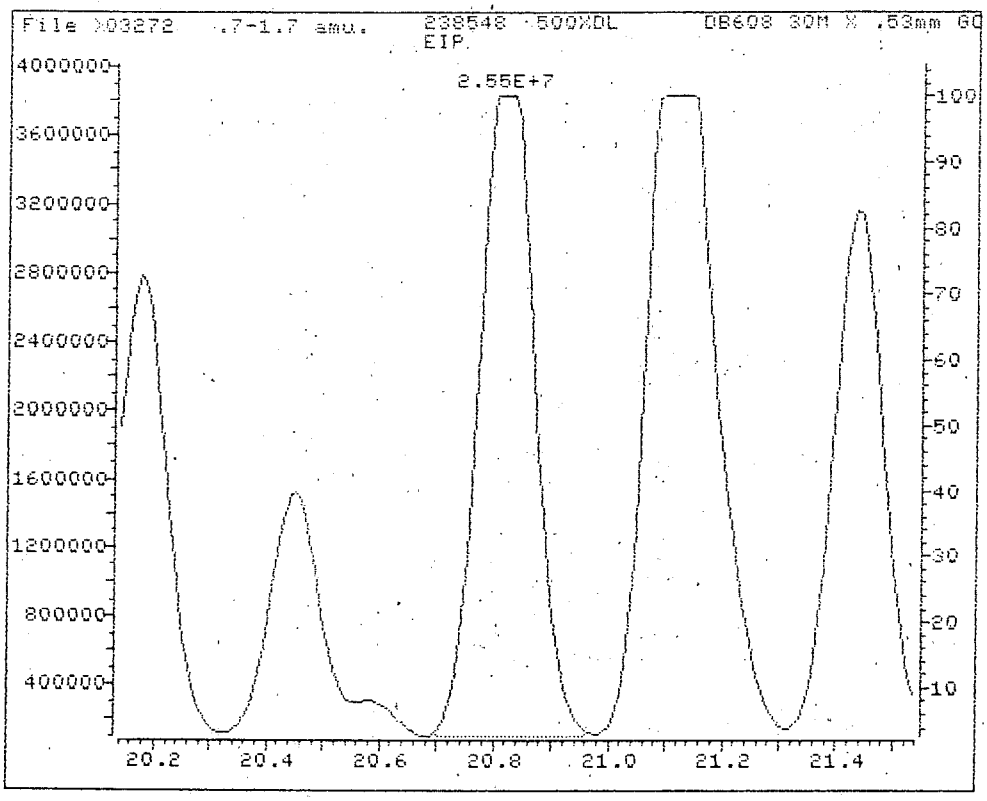
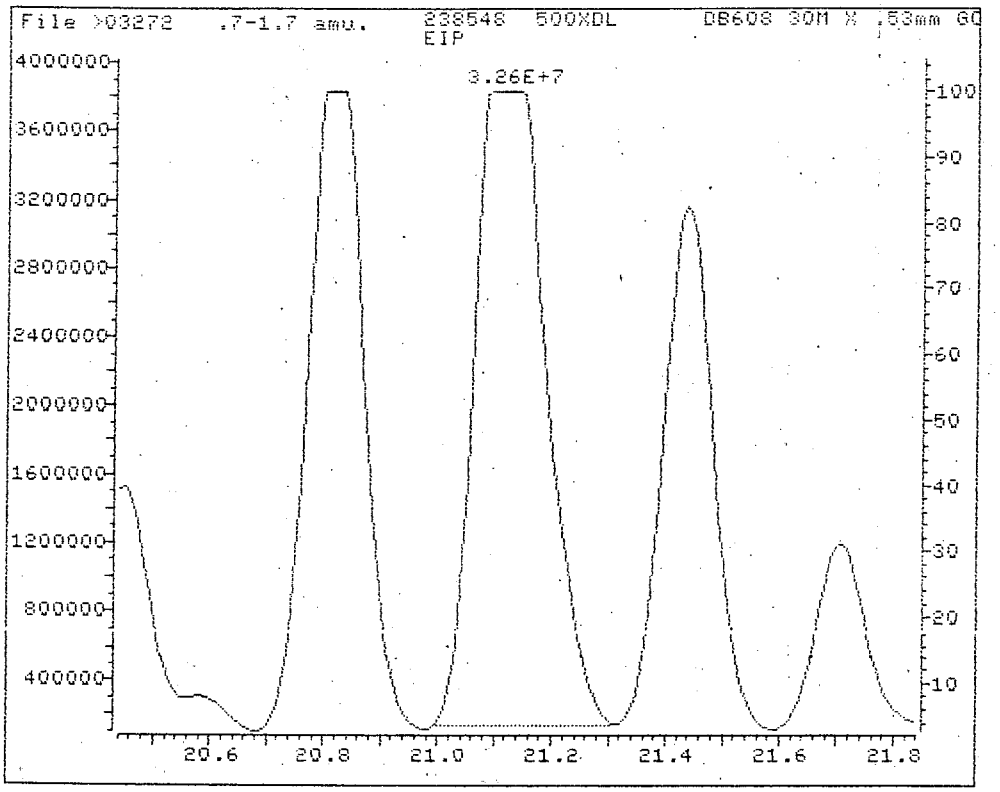


Data File: >03272::G3 Quant Output File: ^03272::GQ
Name: 238548 500XDL Instrument ID: GC03
Misc: DB608 30M X .53mm GC58903 1ul inj.
Quant Time: 960712 13:52 Quant ID File: IDCAP1::SC
Injected at: 960712 03:15 Last Calibration: 941029 10:07

Compound No: 28
Compound Name: Aroclor-1254(1)
Scan Number: 2497
Retention Time: 20.81 min.
Quant Ion: 1.0
Area: 25513108M
Concentration: 5380.87 ng/ml
q-value: 100

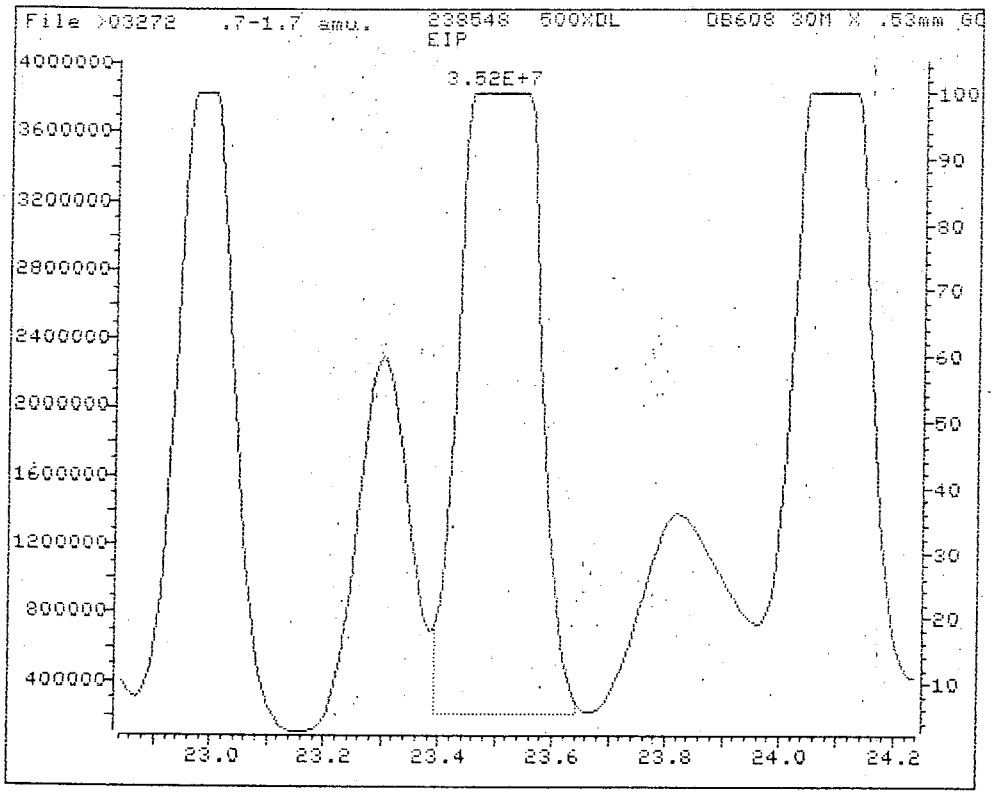
This report was produced by QAREA on: 960715 14:20



Data File: >03272::G3 Quant Output File: ^03272::GQ
Name: 238548 500XDL Instrument ID: GC03
Misc: DB608 30M X .53mm GC58903 1ul inj.
Quant Time: 960712 13:52 Quant ID File: IDCAP1::SC
Injected at: 960712 03:15 Last Calibration: 941029 10:07

Compound No: 51
Compound Name: Aroclor-1254(2)
Scan Number: 2535
Retention Time: 21.13 min.
Quant Ion: 1.0
Area: 32567784M
Concentration: 5876.68 ng/ml
q-value: 100

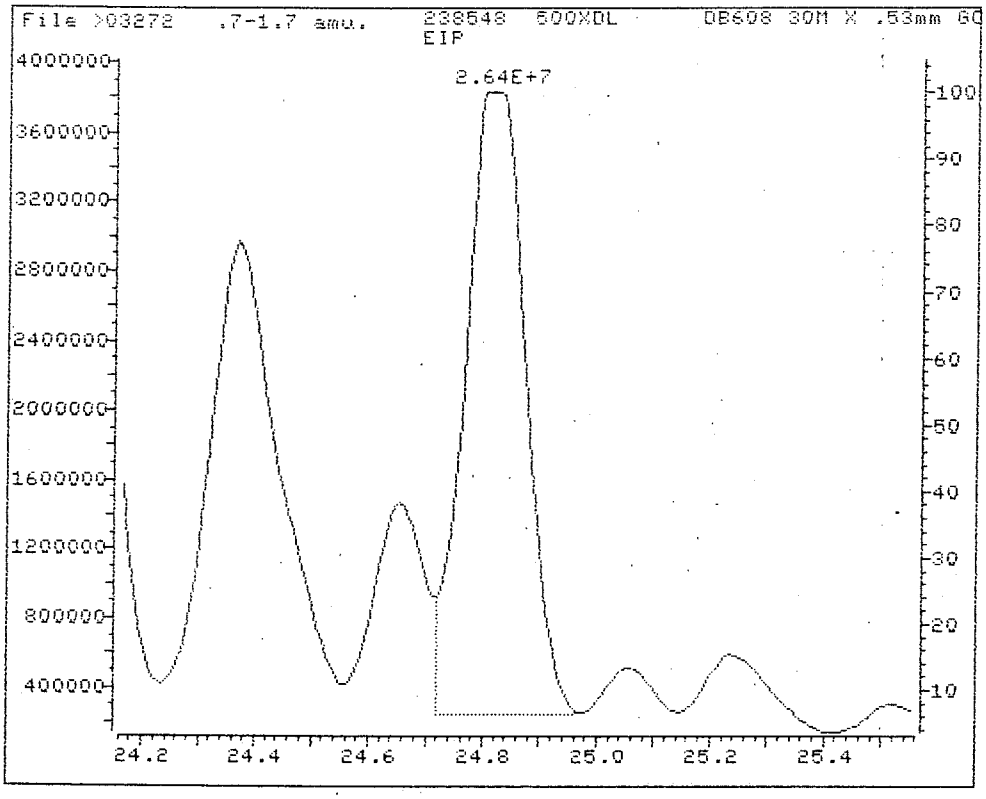
This report was produced by QAREA on: 960715 14:18



Data File: >03272::G3 Quant Output File: ^03272::GQ
Name: 238548 500XDL Instrument ID: GC03
Misc: DB608 30M X .53mm GC58903 1ul inj.
Quant Time: 960712 13:52 Quant ID File: IDCAP1::SC
Injected at: 960712 03:15 Last Calibration: 941029 10:07

Compound No: 53
Compound Name: Aroclor-1254(4)
Scan Number: 2818
Retention Time: 23.48 min.
Quant Ion: 1.0
Area: 35174952M
Concentration: 5793.84 ng/ml
q-value: 100

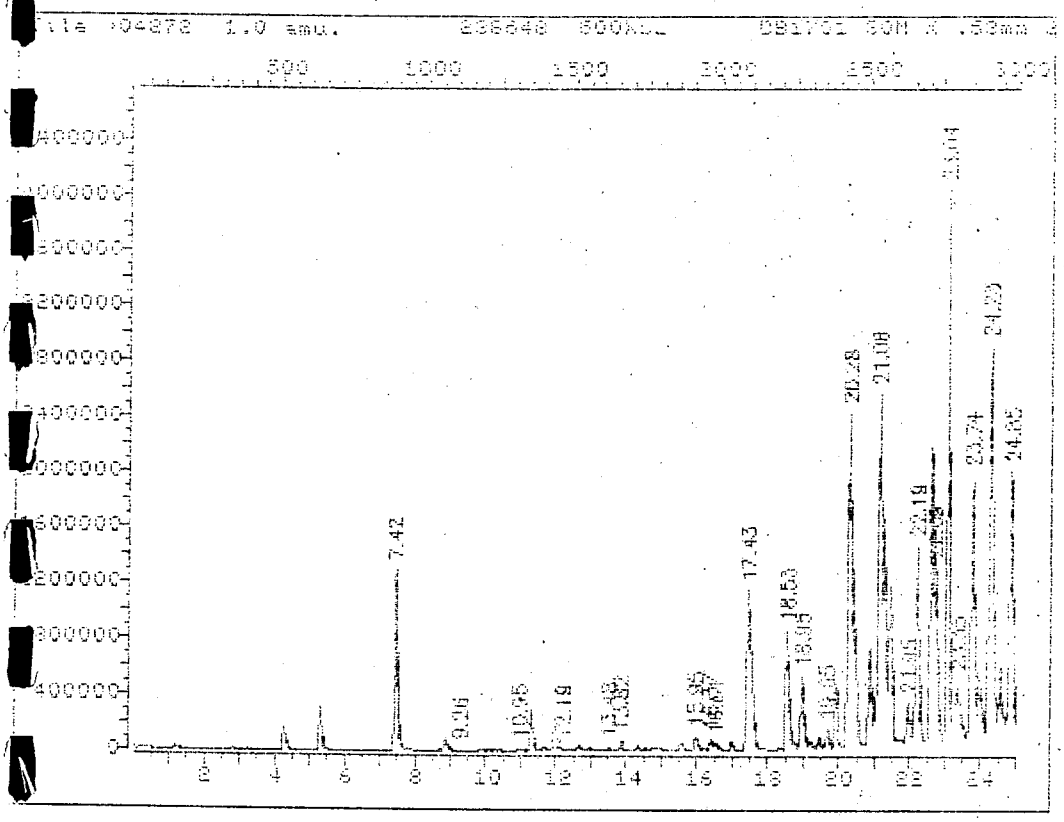
This report was produced by QAREA on: 960715 14:22



Data File: >03272::G3 Quant Output File: ^03272::GQ
Name: 238548 500XDL Instrument ID: GC03
Misc: DB608 30M X .53mm GC58903 1ul inj.
Quant Time: 960712 13:52 Quant ID File: IDCAP1::SC
Injected at: 960712 03:15 Last Calibration: 941029 10:07

Compound No: 54
Compound Name: Aroclor-1254(5)
Scan Number: 2979
Retention Time: 24.83 min.
Quant Ion: 1.0
Area: 26365152M
Concentration: 7353.02 ng/ml

This report was produced by QAREA on: 960715 14:24



Date File: >04272::G1 Quant Output File: ^04272::GQ
Name: 238548 500XDL Instrument ID: GC04
Misc: DB1701 30M X .53mm 3C58903 1ul inj

Id File: IDCAP2::SC
Title: Capillary Column DB1701
Last Calibration: 941028 10:07 Last Ocal Time: 960701 21:23

Operator ID: TRFI2
Quant Time : 960712 08:21
Injected at: 960712 03:15

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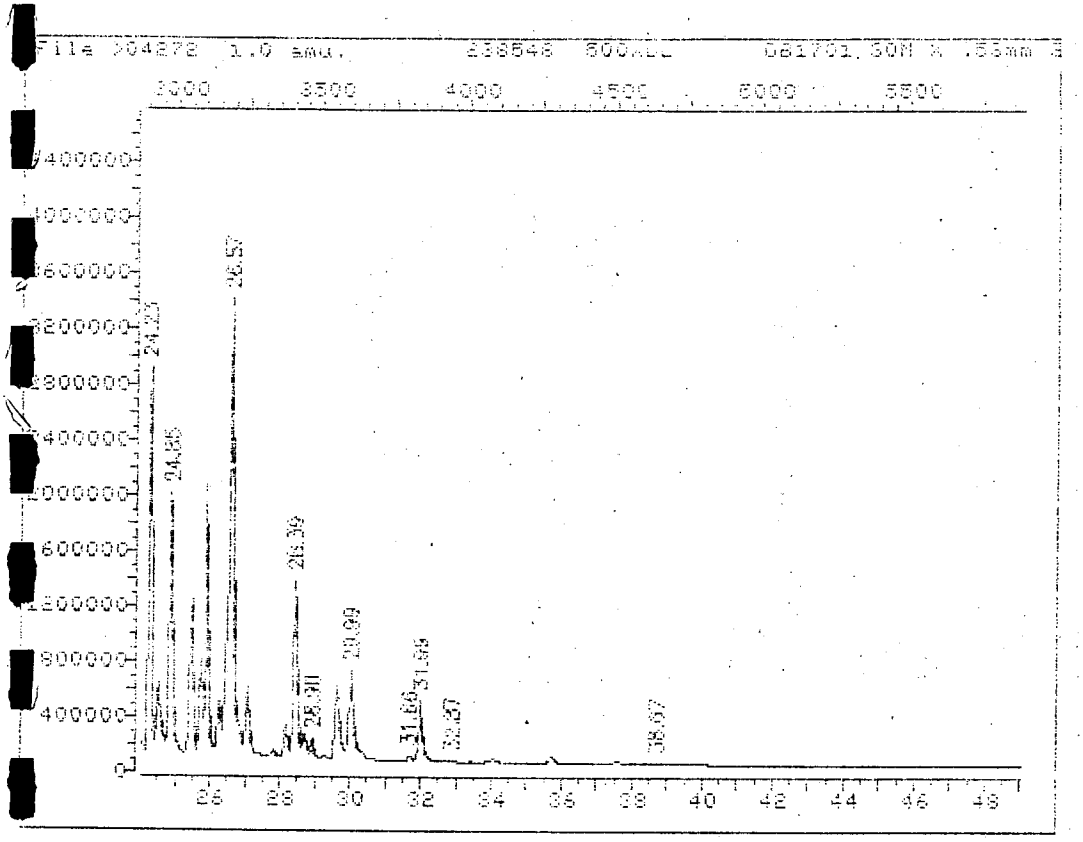

Data File: >04272::G1 Quant Output File: ^04272::GQ
Name: 238548 500XDL Instrument ID: GC04
Misc: DB1701 30M X .53mm SC58903 1ul inj

Id File: IDCAP2::SC
Title: Capillary Column DB1701
Last Calibration: 941027 10:07 Last Qcal Time: 960701 21:23

Operator ID: TRFI2
Quant Time : 960712 08:21
Injected at: 960712 05:15

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QUANT REPORT   Page 1

[redacted]erator ID: TSF12   Quant Rev: 7   Quant Time: 960712 13:52
O[redacted]tput File: ^03172::G0   Injected at: 960712 03:15
Data File: 03172::G3   SS6   Dilution Factor: 1.00000
N[redacted]me: 239564 300XCL   Instrument ID: 8005
M[redacted]sc: DB608 30M X .53mm 3050903 1.0 Inj.

ID File: IDCAP1::SC
T[redacted]tle: Capillary Column DB 608
L[redacted]st Calibration: 941029 10:07   Last Qcal Time: 960702 10:13

	Compound		R.T.	Scan#	Area	Conc	Units	q
[redacted]	#Tetrachloro-m-xylene		9.04	1087	27216	.217	ng/ml	100
[redacted]	~~#alpha-BHC~~	NT	12.46	1495	463605	3.13	ng/ml	100
3)	~~#beta-BHC~~	NT	14.02	1770	690551	8.41	ng/ml	100
[redacted]	~~#gamma-BHC (Lindane~~	NT	14.29	1715	1005473	7.36	ng/ml	100
[redacted]	~~#Heptachlor~~	NT	15.99	1919	1853475	23.75	ng/ml	100
7)	~~#Aldrin~~	NT	17.38	2085	34727	.258	ng/ml	100
[redacted]	~~#Heptachlor epoxide~~	NT	19.93	2391	5054740	46.02	ng/ml	100
[redacted]	~~#Endosulfan I~~	NT	21.70	2604	7080601	58.11	ng/ml	100
10)	~~#Dieldrin~~	NT	22.98	2757	2973990	31.45	ng/ml	100
11)	~~#4,4'-DDE~~	NT	22.98	2757	2973990	32.51	ng/ml	100
[redacted]	~~#Endrin~~	NT	24.65	2958	5966890	69.71	ng/ml	100
[redacted]	~~#Endosulfan II~~	NT	25.85	3102	10580119	109.85	ng/ml	100
14)	~~#4,4'-DDD~~	NT	25.52	3062	1537954	26.70	ng/ml	100
[redacted]	~~#Endosulfan Sulfate~~	NT	28.39	3407	617713	6.97	ng/ml	100
[redacted]	~~#Methoxychlor~~	NT	32.46	3895	2583119	66.55	ng/ml	100
18)	~~#Endrin ketone~~	NT	32.88	3945	9052294	100.32	ng/ml	100
[redacted]	#Decachlorobiphenyl		41.63	4995	251558	2.10	ng/ml	100
[redacted]	~~#alpha-Chlordane~~	NT	21.43	2572	13710272	156.25	ng/ml	100
[redacted]	~~#gamma-Chlordane~~	NT	20.81	2497	1825761	23.98	ng/ml	100
[redacted]	~~#Toxaphene(1)~~	NP	23.82	2358	12141774	7570.99	ng/ml	100
[redacted]	~~#Aroclor-1016(1)~~	NP	12.28	1474	66008	22.45	ng/ml	100
[redacted]	~~#Aroclor-1221(1)~~	NP	8.07	969	49140	57.94	ng/ml	100
25)	~~#Aroclor-1232(1)~~	NP	12.28	1474	66008	23.04	ng/ml	100
[redacted]	~~#Aroclor-1242(1)~~	NP	12.28	1474	66008	25.31	ng/ml	100
[redacted]	~~#Aroclor-1248(1)~~	NP	15.99	1919	1853473	244.94	ng/ml	100
28)	#Aroclor-1254(1)		20.81	2497	25513100M	5380.87	ng/ml	100
[redacted]	~~#Aroclor-1260(1)~~	NP	24.37	2924	20567020	2653.11	ng/ml	100
[redacted]	~~#Endrin aldehyde~~	NT	27.68	3321	6598471	83.65	ng/ml	100
[redacted]	~~#Toxaphene(2)~~	NP	27.68	3321	6598471	3585.84	ng/ml	100
32)	~~#Toxaphene(3)~~	NP	28.39	3407	617713	247.14	ng/ml	100
[redacted]	~~#Aroclor-1016(2)~~	NP	14.29	1715	994773	152.18	ng/ml	100
[redacted]	~~#Aroclor-1016(3)~~	NP	15.99	1919	1853473	167.89	ng/ml	100
36)	~~#Aroclor-1016(4)~~	NP	16.76	2011	576877	154.47	ng/ml	100
[redacted]	~~#Aroclor-1016(5)~~	NP	18.99	2279	11175858	3289.28	ng/ml	100
[redacted]	~~#Aroclor-1221(2)~~	NP	11.26	1351	97794	58.20	ng/ml	100
39)	~~#Aroclor-1221(3)~~	NP	12.29	1474	66008	17.30	ng/ml	100
40)	~~#Aroclor-1232(2)~~	NP	14.29	1715	994773	352.50	ng/ml	100
[redacted]	~~#Aroclor-1232(3)~~	NP	15.99	1919	1853473	393.97	ng/ml	100
[redacted]	~~#Aroclor-1232(4)~~	NP	16.76	2011	576877	335.05	ng/ml	100
43)	~~#Aroclor-1242(2)~~	NP	14.29	1715	994773	184.92	ng/ml	100

[initials] 7/19/96

QUANT REPORT

Operator ID: TRFIZ Quant Am.: T Quant Time: 960712 13:52
Input File: 103272.:00 Injected at: 960712 03:15
Data File: 103272.:03 Dilution Factor: 1.00000
Name: 338548 F00XDL Instrument ID: TC05
Col: DZ5CI 30M X .35mm GC55703 1ul inj.

ID File: 10CAP1.:SC
Title: Capillary Column SB 608
Last Calibration: 941029 10:07 Last Cal Time: 960702 00:13

	Compound	R.T.	Scan#	Area	Conc	Units	q
4)	~~#Aroclor-1242(1)~~ NP	15.99	1919	1853473	207.94	ng/ml	100
45)	~~#Aroclor-1242(2)~~ NP	16.76	2011	576877	182.39	ng/ml	100
46)	~~#Aroclor-1242(3)~~ NP	18.99	2279	11175858	3739.05	ng/ml	100
[illegible]	~~#Aroclor-1248(1)~~ NP	17.52	2102	13015192	4989.54	ng/ml	100
[illegible]	~~#Aroclor-1248(3)~~ NP	18.99	2279	11175858	2691.27	ng/ml	100
49)	~~#Aroclor-1248(4)~~ NP	20.45	2454	8612183	1777.52	ng/ml	100
50)	~~#Aroclor-1248(5)~~ NP	21.70	2604	7080606	1284.28	ng/ml	100
[illegible]	#Aroclor-1254(1)	21.13	2535	32567784M	5876.66	ng/ml	100
52)	#Aroclor-1254(3)	22.68	2722	19524424	12108.92	ng/ml	100
53)	#Aroclor-1254(4)	23.48	2818	35174952M	5793.84	ng/ml	100
[illegible]	#Aroclor-1254(5)	24.85	2979	26365152M	7353.02	ng/ml	
[illegible]	~~#Aroclor-1260(2)~~ NP	25.06	3007	1295573	184.97	ng/ml	100
56)	~~#Aroclor-1260(3)~~ NP	26.52	3182	15955732	3056.31	ng/ml	100
[illegible]	~~#Aroclor-1260(4)~~ NP	30.12	3614	12812684	1185.83	ng/ml	100
[illegible]	~~#Aroclor-1260(5)~~ NP	32.88	3945	8945830	1620.33	ng/ml	100

Compound uses ESTD

7/14/96

QUANT REPORT

Operator ID: TRFI2 Quant Rev: 7 Quant Time: 960712 08:21
Input File: >04272::S3 Injected at: 960712 03:15
Data File: >04272::S1 Dilution Factor: 1.00000
Name: Z3854(500KCL Instrument ID: SC04
Mfgr: DB1701 30M X .53mm 1258908 1ul inj

ID File: IDCAP2::SC
Title: Capillary Column DB1701
Last Calibration: 941029 10:07 Last Cal Time: 960701 21:23

	Compound	R.T.	Scan#	Area	Conc	Units	q
1)	#Tetrachloro-m-xylene	9.26	1111	8254	.199	ng/ml	100
)	~~#alpha-BHC~~	13.48	1618	138200	4.22	ng/ml	100
)	~~#beta-BHC~~	18.55	2223	5760616	219.24	ng/ml	100
4)	~~#delta-BHC~~	19.65	2358	764390	31.36	ng/ml	100
)	~~#Heptachlor~~	16.37	1965	478639	10.09	ng/ml	100
)	~~#Aldrin~~	17.43	2091	10722512	284.71	ng/ml	100
9)	~~#Endosulfan I~~	21.95	2634	1560645	43.71	ng/ml	100
10)	~~#Dieldrin~~	23.35	2802	2630478	81.00	ng/ml	100
)	~~#4,4'-DDE~~	22.69	2723	6944299	246.55	ng/ml	100
12)	~~#Endrin~~	24.23	2907	19817296	683.63	ng/ml	100
13)	~~#Endosulfan II~~	26.57	3188	22643428	632.67	ng/ml	100
)	~~#4,4'-DDD~~	26.57	3188	22450820	1062.46	ng/ml	100
)	~~#Endrin ketone~~	32.87	3944	57525	2.04	ng/ml	100
19)	#Decachlorobiphenyl	38.67	4640	88029	1.89	ng/ml	100
)	~~#alpha-Chlordane~~ NT	22.19	2663	9748216	209.77	ng/ml	100
)	~~#gamma-Chlordane~~ NT	21.95	2634	1560645	39.05	ng/ml	100
23)	~~#Aroclor-1016(1)~~ NP	12.19	1463	53427	43.26	ng/ml	100
24)	~~#Aroclor-1221(1)~~ NP	7.42	890	6703063	8476.01	ng/ml	100
)	~~#Aroclor-1232(1)~~ NP	7.42	890	6703063	5629.11	ng/ml	100
26)	~~#Aroclor-1242(1)~~ NP	12.19	1463	53427	50.50	ng/ml	100
27)	~~#Aroclor-1248(1)~~ NP	13.82	1659	433179	395.27	ng/ml	100
)	#Aroclor-1254(1)	17.43	2091	10715116	4744.84	ng/ml	100
)	~~#Aroclor-1260(1)~~ NP	23.74	2849	15132506	5684.25	ng/ml	100
30)	~~#Endrin aldehyde~~ NT	28.90	3468	1032786	33.99	ng/ml	100
)	~~#Toxaphene(3)~~	28.39	3407	9645856	13383.27	ng/ml	100
)	~~#Toxaphene(4)~~ NP	31.66	3799	302371	602.58	ng/ml	100
34)	~~#Aroclor-1016(2)~~	13.82	1659	433179	177.19	ng/ml	100
35)	~~#Aroclor-1016(3)~~	15.95	1914	752553	194.00	ng/ml	100
)	~~#Aroclor-1016(4)~~ NP	16.51	1981	347014	238.28	ng/ml	100
)	~~#Aroclor-1016(5)~~	18.53	2223	5760616	2795.49	ng/ml	100
38)	~~#Aroclor-1221(2)~~	10.95	1314	56121	85.56	ng/ml	100
)	~~#Aroclor-1221(3)~~ NP	12.19	1463	53427	31.15	ng/ml	100
)	~~#Aroclor-1232(2)~~	12.19	1463	53427	45.61	ng/ml	100
41)	~~#Aroclor-1232(3)~~ NP	13.82	1659	433179	420.68	ng/ml	100
42)	~~#Aroclor-1232(4)~~	15.95	1914	752553	481.73	ng/ml	100
)	~~#Aroclor-1242(2)~~	13.82	1659	433179	218.08	ng/ml	100
)	~~#Aroclor-1242(3)~~	15.95	1914	752553	244.08	ng/ml	100
45)	~~#Aroclor-1242(4)~~ NP	16.51	1981	347014	303.60	ng/ml	100
)	~~#Aroclor-1242(5)~~	17.43	2091	10717618	13545.34	ng/ml	100
)	~~#Aroclor-1248(2)~~ NP	15.95	1914	752553	288.08	ng/ml	100

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QUANT EPORT Page 2

Operator ID: TRPI2 Quant Rev: 7 Quant Time: 960712 08:21
Output File: 04272::GQ Injected at: 960712 03:15
Data File: 04272::G1 Dilution Factor: 1.00000
Name 2785-C 500XOL Instrument ID: GC04
Disc: DB1701 30M X .53mm 3058103 1ul inj

ID File: ICCAP2::GC
Title: Capillary Column DB1701
Last Calibration: 941021 10:07 Last Ical Time: 960701 21:23

	Compound	R.T.	Scan#	Area	Conc	Units	q
48)	~~#Aroclor-1248(3)~~	18.53	2223	5760616	2338.22	ng/ml	100
49)	~~#Aroclor-1248(4)~~	18.95	2274	3101607	1756.93	ng/ml	100
50)	~~#Aroclor-1248(5)~~	20.28	2433	16630422	17326.96	ng/ml	100
51)	#Aroclor-1254(2)	20.28	2433	16630422	8179.59	ng/ml	100
52)	#Aroclor-1254(3)	21.09	2530	15552540	8501.88	ng/ml	100
53)	#Aroclor-1254(4)	23.04	2765	25403200	9963.21	ng/ml	100
54)	#Aroclor-1254(5)	23.74	2849	13132506	9682.38	ng/ml	100
55)	~~#Aroclor-1260(2)~~	24.85	2982	13253712	4881.46	ng/ml	100
56)	~~#Aroclor-1260(3)~~	28.59	3407	9668264	5447.40	ng/ml	100
57)	~~#Aroclor-1260(4)~~	29.99	3599	6674878	1697.76	ng/ml	100
58)	~~#Aroclor-1260(5)~~	31.99	3838	4612936	1857.47	ng/ml	100

UP

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Compound uses ESTD

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7/13/96

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS6	DL

Lab Name: ICM Contract:

Lab Code: ICM Case No.: SAS No.: SDG No.: RIN1A

Matrix: (soil/water) SOIL Lab Sample ID: 238548

Sample wt/vol: 30.4 (g/mL) G Lab File ID: 03230

% Moisture: 25. decanted: (Y/N) N Date Received: 06/28/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 07/03/96

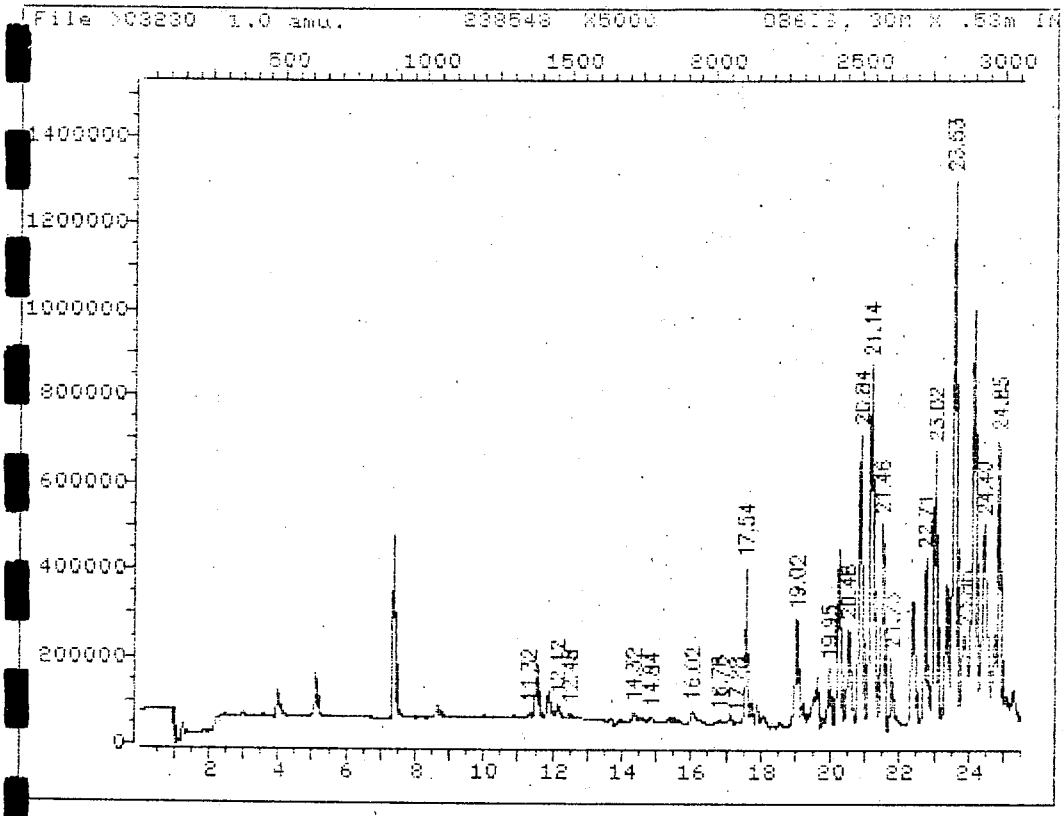
Concentrated Extract Volume: 5000 (uL) Date Analyzed: 07/10/96

Injection Volume: 1.0 (uL) Dilution Factor: 5000.0

GPC Cleanup: (Y/N) Y pH: 7.9 Sulfur Cleanup: (Y/N) N

Do not use these data.

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
319-84-6	alpha-BHC	11000 ~~1100~~.	U
319-85-7	beta-BHC	11000.	U
319-86-8	delta-BHC	11000.	U
58-89-9	gamma-BHC (Lindane)	11000.	U
76-44-8	Heptachlor	11000.	U
309-00-2	Aldrin	11000.	U
1024-57-3	Heptachlor epoxide	11000.	U
959-98-8	Endosulfan I	11000.	U
60-57-1	Dieldrin	22000.	U
72-55-9	4,4'-DDE	22000.	U
72-20-8	Endrin	22000.	U
33213-65-9	Endosulfan II	22000.	U
72-54-8	4,4'-DDD	22000.	U
1031-07-8	Endosulfan Sulfate	22000.	U
50-29-3	4,4'-DDT	22000.	U
72-43-5	Methoxychlor	110000.	U
53494-70-5	Endrin ketone	22000.	U
7421-93-4	Endrin aldehyde	22000.	U
5103-71-9	alpha-Chlordane	11000.	U
5103-74-2	gamma-Chlordane	11000.	U
8001-35-2	Toxaphene	1100000.	U
12674-11-2	Aroclor-1016	220000.	U
11104-28-2	Aroclor-1221	440000.	U
11141-16-5	Aroclor-1232	220000.	U
53469-21-9	Aroclor-1242	220000.	U
12672-29-6	Aroclor-1248	220000.	U
11097-69-1	Aroclor-1254	2700000.	D
11096-82-5	Aroclor-1260	220000.	U



Data File: >03230::G3 Quant Output File: ^03230::F3
Name: 238548 X5000 Instrument ID: GC03
Misc: DB608. 30M X .53m INST 58903. 1ul INJ

Id File: IDCAP1::SC
Title: Capillary Column DB 608
Last Calibration: 941029 10:07 Last Qcal Time: 960702 00:13

Operator ID: TRFIL
Quant Time : 960710 03:08
Injected at: 960710 02:14

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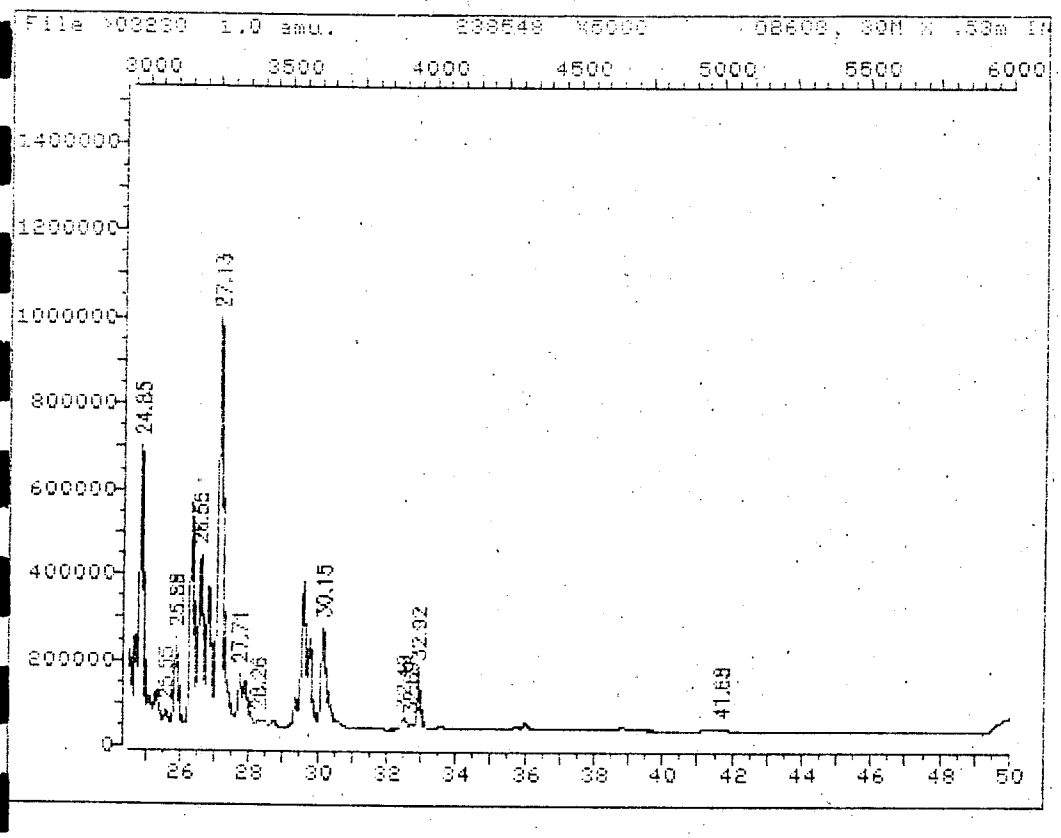

Data File: >03230::G3 Quant Output File: ^03230::F3
Name: 238548 X5000 Instrument ID: GC03
Misc: DB608, 30M X .53m INST 58903, 1ul INJ

Id File: IDCAP1::SC
Title: Capillary Column DB 608
Last Calibration: 941029 10:07 Last Qual Time: 960702 00:13

Operator ID: TRFIL
Quant Time : 960710 03:08
Injected at: 960710 02:14

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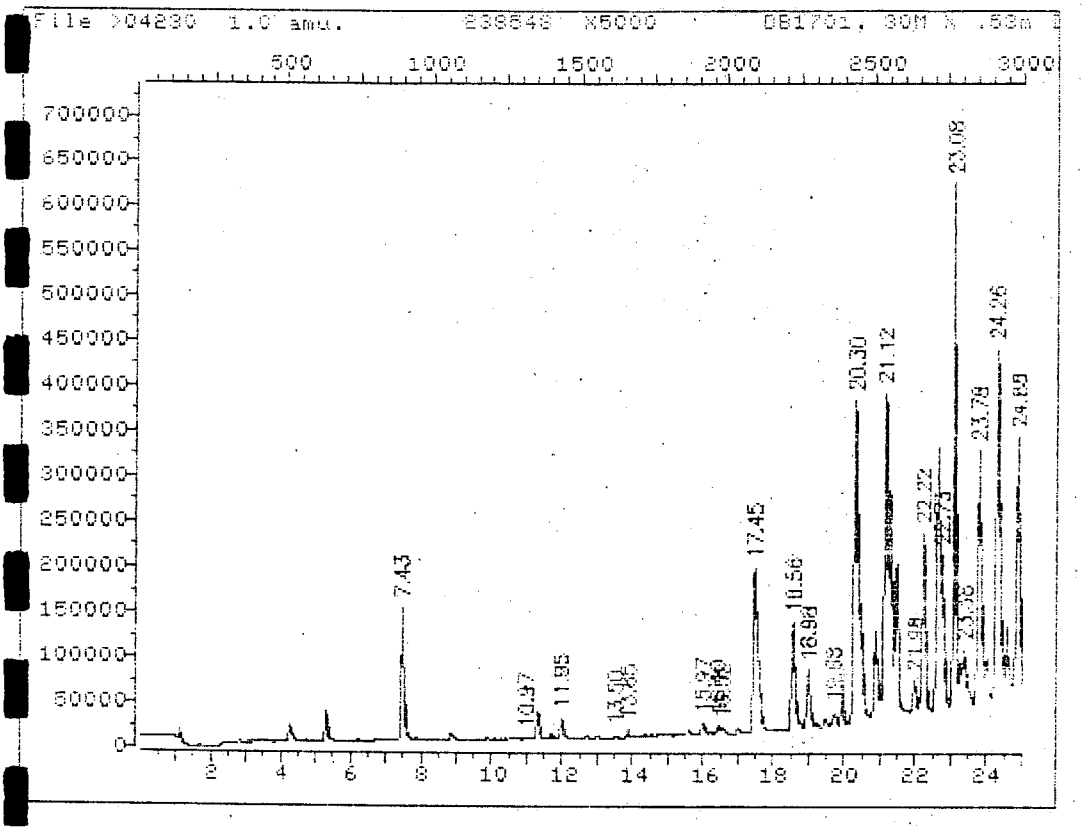

Data File: >04230::G1 Quant Output File: ^04230::F3
Name: 238548 X5000 Instrument ID: GC04
Misc: DB1701, 30M X .53m INST 58903, 1ul INJ

Id File: IDCAP2::SC
Title: Capillary Column DB1701
Last Calibration: 941029 10:07 Last Qcal Time: 960701 21:23

Operator ID: TRFIL
Quant Time : 960710 03:06
Injected at: 960710 02:14

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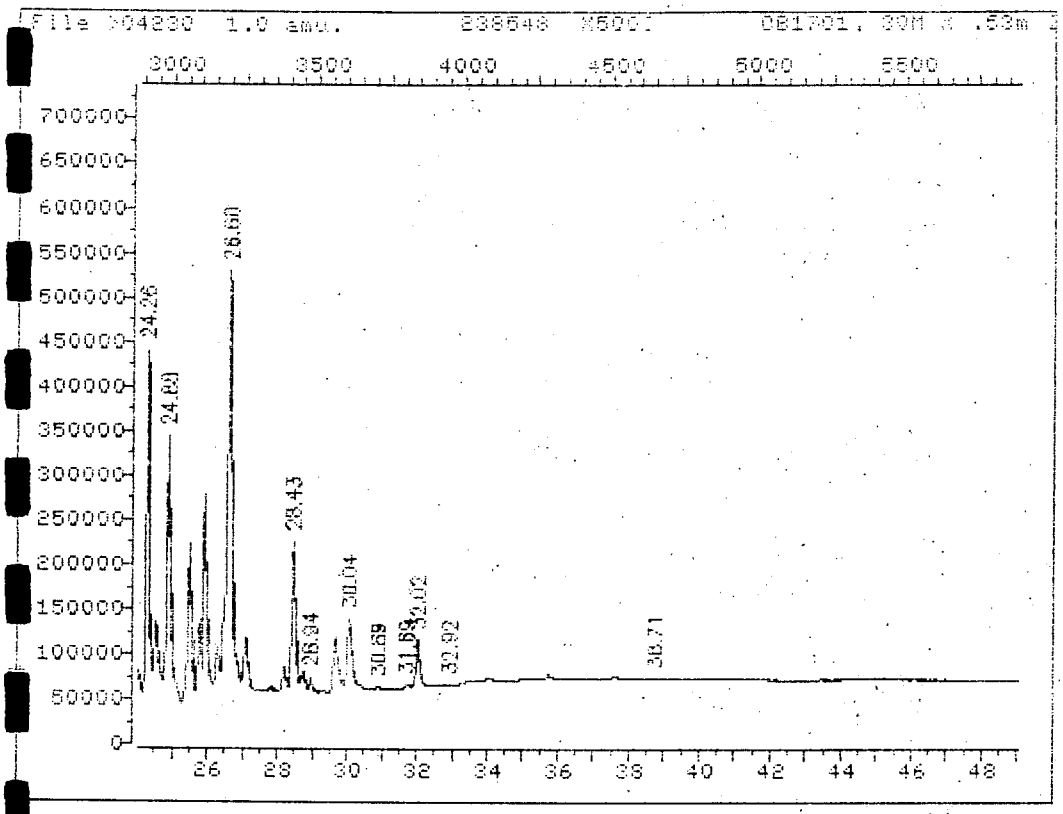

Data File: >04230::G1 Quant Output File: ^04230::F3
Name: 238548 X5000 Instrument ID: GC04
Misc: DB1701, 30M X .53m INST 58903, 1ul INJ

Id File: IDCAP2::SC
Title: Capillary Column DB1701
Last Calibration: 941029 10:07 Last Qcal Time: 960701 21:23

Operator ID: TRFIL
Quant Time : 960710 03:06
Injected at: 960710 02:14

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QUANT REPORT

Operator ID: TRFIL
Output File: ^03230::F3
Data File: >03230::G3
Name: 238548 X3000
Misc: DB608. 30M X .53m INST F8903. 1ul INJ

Quant Rev: 7
Quant Time: 960710 03:08
Injected at: 960710 02:14
Dilution Factor: 1.00000
Instrument ID: GC03

SS6 DL

ID File: IDCAP1::SC
Title: Capillary Column DB 608
Last Calibration: 941029 10:07
Last Qcal Time: 960702 00:13

	Compound	R.T.	Scan#	Area	Conc	Units	q
2)	~~#alpha BHC~~	12.48	1498	77292	.522	ng/ml	100
3)	~~#beta BHC~~	14.84	1781	100247	1.22	ng/ml	100
4)	~~#gamma BHC (Lindane)~~	14.32	1718	109944	.805	ng/ml	100
6)	~~#Heptachlor~~	16.02	1922	274323	3.52	ng/ml	100
7)	~~#Aldrin~~	17.28	2074	23585	.175	ng/ml	100
8)	~~#Heptachlor epoxide~~	19.95	2394	701625	6.39	ng/ml	100
9)	~~#Endosulfan I~~	21.73	2608	1608591	13.20	ng/ml	100
10)	~~#Dieldrin~~	23.02	2762	3895127	41.20	ng/ml	100
11)	~~#4,4' DDE~~	22.71	2725	2877809	31.46	ng/ml	100
12)	~~#Endrin~~	24.85	2982	4213086	49.22	ng/ml	100
13)	~~#Endosulfan II~~	25.88	3105	1399529	14.53	ng/ml	100
14)	~~#4,4' DDD~~	25.55	3066	194236	3.37	ng/ml	100
15)	~~#Endosulfan Sulfate~~	28.26	3391	22728	.256	ng/ml	100
16)	~~#4,4' DDT~~	27.13	3255	7114951	109.77	ng/ml	100
17)	~~#Methoxychlor~~	32.49	3898	306578	7.90	ng/ml	100
18)	~~#Endrin ketone~~	32.69	3923	69503	.772	ng/ml	100
19)	#Decachlorobiphenyl	41.68	5001	23874	.199	ng/ml	100
20)	~~#alpha Chlordane~~ NT	21.46	2575	2829040	20.60	ng/ml	100
21)	~~#gamma Chlordane~~ NT	20.84	2501	4237972	35.96	ng/ml	100
22)	~~#Toxaphene(1)~~ NP	23.86	2863	1636856	1020.66	ng/ml	100
23)	~~#Aroclor-1016(1)~~ NP	12.12	1455	154780	52.65	ng/ml	100
25)	~~#Aroclor-1232(1)~~ NP	12.12	1455	154780	54.03	ng/ml	100
26)	~~#Aroclor-1242(1)~~ NP	12.12	1455	154780	59.34	ng/ml	100
27)	~~#Aroclor-1248(1)~~ NP	16.02	1922	274323	36.25	ng/ml	100
28)	#Aroclor-1254(1)	20.84	2501	4237972	893.81	ng/ml	100
29)	~~#Aroclor-1260(1)~~ NP	24.40	2928	3617650	466.67	ng/ml	100
30)	~~#Endrin aldehyde~~ NT	27.71	3325	841860	10.67	ng/ml	100
31)	~~#Toxaphene(2)~~ NP	27.71	3325	861402	468.12	ng/ml	100
32)	~~#Toxaphene(3)~~ NP	28.26	3391	22728	9.09	ng/ml	100
33)	~~#Aroclor-1016(2)~~ NP	14.32	1718	109944	16.82	ng/ml	100
34)	~~#Aroclor-1016(3)~~ NP	16.02	1922	274323	24.84	ng/ml	100
36)	~~#Aroclor-1016(4)~~ NP	16.78	2014	74570	19.97	ng/ml	100
37)	~~#Aroclor-1016(5)~~ NP	19.02	2282	1692923	498.26	ng/ml	100
38)	~~#Aroclor-1221(2)~~ NP	11.32	1358	56444	33.59	ng/ml	100
39)	~~#Aroclor-1221(3)~~ NP	12.12	1455	154780	40.56	ng/ml	100
40)	~~#Aroclor-1232(2)~~ NP	14.32	1718	109944	38.96	ng/ml	100
41)	~~#Aroclor-1232(3)~~ NP	16.02	1922	274323	58.31	ng/ml	100
42)	~~#Aroclor-1232(4)~~ NP	16.78	2014	74570	43.31	ng/ml	100
43)	~~#Aroclor-1242(2)~~ NP	14.32	1718	109944	20.43	ng/ml	100
44)	~~#Aroclor-1242(3)~~ NP	16.02	1922	274323	30.78	ng/ml	100

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7/10/96

QUANT REPORT

Operator ID: TRFIL
Output File: ^03230::F3
Data File: >03230::G3
Time: 238548 X5000
Misc: DB60A, 30M X .53m INST 58903, 1ul INJ

Quant Rev: 7
Quant Time: 960710 03:08
Injected at: 960710 02:14
Dilution Factor: 1.00000
Instrument ID: GC03

Method File: IDCAP1::SC
Title: Capillary Column DB 608
Last Calibration: 941029 10:07
Last Qcal Time: 960702 00:13

	Compound	R.T.	Scan#	Area	Conc	Units	q
45)	~~#Aroclor-1242(4)~~ NP	16.78	2014	74570	23.58	ng/ml	100
46)	~~#Aroclor-1242(5)~~ NP	19.02	2282	1692923	566.39	ng/ml	100
47)	~~#Aroclor-1248(2)~~ NP	17.54	2105	2192809	840.69	ng/ml	100
48)	~~#Aroclor-1248(3)~~ NP	19.02	2282	1692923	407.67	ng/ml	100
49)	~~#Aroclor-1248(4)~~ NP	20.48	2457	1226888	253.23	ng/ml	100
50)	~~#Aroclor-1248(5)~~ NP	21.73	2608	1608591	291.77	ng/ml	100
51)	#Aroclor-1254(2)	21.14	2537	5877133	1060.50	ng/ml	100
52)	#Aroclor-1254(3)	22.71	2725	2877809	1784.80	ng/ml	100
53)	#Aroclor-1254(4)	23.53	2824	7993172	1316.60	ng/ml	100
54)	#Aroclor-1254(5)	24.85	2982	4213086	1174.99	ng/ml	100
55)	~~#Aroclor-1260(2)~~ NP	24.85	2982	4213086	601.49	ng/ml	100
56)	~~#Aroclor-1260(3)~~ NP	26.55	3186	3005144	575.67	ng/ml	100
57)	~~#Aroclor-1260(4)~~ NP	30.15	3618	1751826	162.14	ng/ml	100
58)	~~#Aroclor-1260(5)~~ NP	32.92	3950	1157397	209.64	ng/ml	100

Compound uses ESTD

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7/10/96

QUANT REPORT

Operator ID: TRFIL Quant Rev: 7 Quant Time: 960710 03:06
Output File: ^04230::F3 Injected at: 960710 02:14
Data File: >04230::G1 Dilution Factor: 1.00000
Name: 238548 X5000 Instrument ID: GC04
Misc: DB1701. 30M X .53m INST 58903. 1ul INJ

Id File: IDCAP2::SC
Title: Capillary Column DB1701
Last Calibration: 941029 10:07 Last Ocal Time: 960701 21:23

	Compound	R.T.	Scan#	Area	Conc	Units	q
2)	~~#alpha-BHC~~	13.50	1620	14904	.455	ng/ml	100
3)	~~#beta-BHC~~	18.56	2227	808944	30.79	ng/ml	100
4)	~~#delta-BHC~~	19.68	2362	104450	4.29	ng/ml	100
5)	~~#Heptachlor~~	16.40	1968	59027	1.24	ng/ml	100
7)	~~#Aldrin~~	17.45	2094	1672874	44.42	ng/ml	100
10)	~~#Dieldrin~~	23.38	2805	40095	12.55	ng/ml	100
11)	~~#4,4'-DDE~~	22.73	2727	886452	31.93	ng/ml	100
12)	~~#Endrin~~	24.26	2911	2861779	98.72	ng/ml	100
13)	~~#Endosulfan II~~	26.60	3192	3773594	105.44	ng/ml	100
14)	~~#4,4'-DDD~~	26.60	3192	3733738	176.70	ng/ml	100
17)	~~#Methoxychlor~~	30.89	3706	29290	2.18	ng/ml	100
18)	~~#Endrin ketone~~	32.92	3950	6990	.248	ng/ml	100
19)	#Decachlorobiphenyl	38.71	4645	10129	.217	ng/ml	100
20)	~~#alpha-Chlordane~~ NT	22.22	2666	1222726	29.32	ng/ml	100
21)	~~#gamma-Chlordane~~ NT	21.98	2637	193663	4.85	ng/ml	100
23)	~~#Aroclor-1016(1)~~ NP	11.95	1434	126724	102.61	ng/ml	100
24)	~~#Aroclor-1221(1)~~ NP	7.43	892	761875	963.39	ng/ml	100
25)	~~#Aroclor-1232(1)~~ NP	7.43	892	761875	639.81	ng/ml	100
26)	~~#Aroclor-1242(1)~~ NP	11.95	1434	126724	119.78	ng/ml	100
27)	~~#Aroclor-1248(1)~~ NP	13.85	1662	51030	46.33	ng/ml	100
28)	#Aroclor-1254(1)	17.45	2094	1672874	1053.02	ng/ml	100
29)	~~#Aroclor-1260(1)~~ NP	23.78	2853	1936171	838.05	ng/ml	100
30)	~~#Endrin aldehyde~~ NT	28.94	3472	130663	4.30	ng/ml	100
31)	~~#Toxaphene(2)~~ NP	28.43	3411	1235756	1714.57	ng/ml	100
33)	~~#Toxaphene(4)~~ NP	31.69	3803	41448	82.60	ng/ml	100
34)	~~#Aroclor-1016(2)~~ NP	13.85	1662	51030	20.87	ng/ml	100
35)	~~#Aroclor-1016(3)~~ NP	15.97	1917	88913	22.92	ng/ml	100
36)	~~#Aroclor-1016(4)~~ NP	16.52	1983	37026	25.42	ng/ml	100
37)	~~#Aroclor-1016(5)~~ NP	18.56	2227	808944	392.56	ng/ml	100
38)	~~#Aroclor-1221(2)~~ NP	10.97	1316	5409	8.25	ng/ml	100
39)	~~#Aroclor-1221(3)~~ NP	11.95	1434	126724	73.88	ng/ml	100
40)	~~#Aroclor-1232(2)~~ NP	11.95	1434	126724	108.17	ng/ml	100
41)	~~#Aroclor-1232(3)~~ NP	13.85	1662	51030	49.56	ng/ml	100
42)	~~#Aroclor-1232(4)~~ NP	15.97	1917	88913	56.92	ng/ml	100
43)	~~#Aroclor-1242(2)~~ NP	13.85	1662	51030	25.69	ng/ml	100
44)	~~#Aroclor-1242(3)~~ NP	15.97	1917	88913	28.84	ng/ml	100
45)	~~#Aroclor-1242(4)~~ NP	16.52	1983	37026	32.39	ng/ml	100
46)	~~#Aroclor-1242(5)~~ NP	17.45	2094	1672874	2114.24	ng/ml	100
47)	~~#Aroclor-1248(2)~~ NP	15.97	1917	88913	34.04	ng/ml	100
48)	~~#Aroclor-1248(3)~~ NP	18.56	2227	808944	328.35	ng/ml	100

EPui
7/10/96

QUANT REPORT

Operator ID: TRFIL Quant Rev: 7 Quant Time: 960710 03:06
Output File: ^04230::F3 Injected at: 960710 02:14
Data File: >04230::G1 Dilution Factor: 1.00000
Name: 238548 X5000 Instrument ID: GC04
Misc: DB1701, 30M X .53m INST 58903, 1ul INJ

ID File: IDCAPZ::SC
Title: Capillary Column DB1701
Last Calibration: 941029 10:07 Last Ocal Time: 960701 21:23

	Compound	R.T	Scan#	Area	Conc	Units	q
49)	~~#Aroclor-1248~~(4) NP	18.98	2277	385911	218.60	ng/ml	100
50)	~~#Aroclor-1248~~(5) NP	20.30	2436	2530714	2636.71	ng/ml	100
51)	#Aroclor-1254(2)	20.30	2436	2530714	1244.72	ng/ml	100
52)	#Aroclor-1254(3)	21.12	2534	2059486	1122.94	ng/ml	100
53)	#Aroclor-1254(4)	23.08	2769	3686108	1445.70	ng/ml	100
54)	#Aroclor-1254(5)	23.78	2853	1936171	1427.58	ng/ml	100
55)	~~#Aroclor-1260~~(2) NP	24.88	2985	2361633	869.81	ng/ml	100
56)	~~#Aroclor-1260~~(3) NP	28.43	3411	1243339	700.54	ng/ml	100
57)	~~#Aroclor-1260~~(4) NP	30.04	3604	823419	209.44	ng/ml	100
58)	~~#Aroclor-1260~~(5) NP	32.02	3842	540339	217.58	ng/ml	100

Compound uses ESTD

E Pria
7/10/96

QUANT REPORT

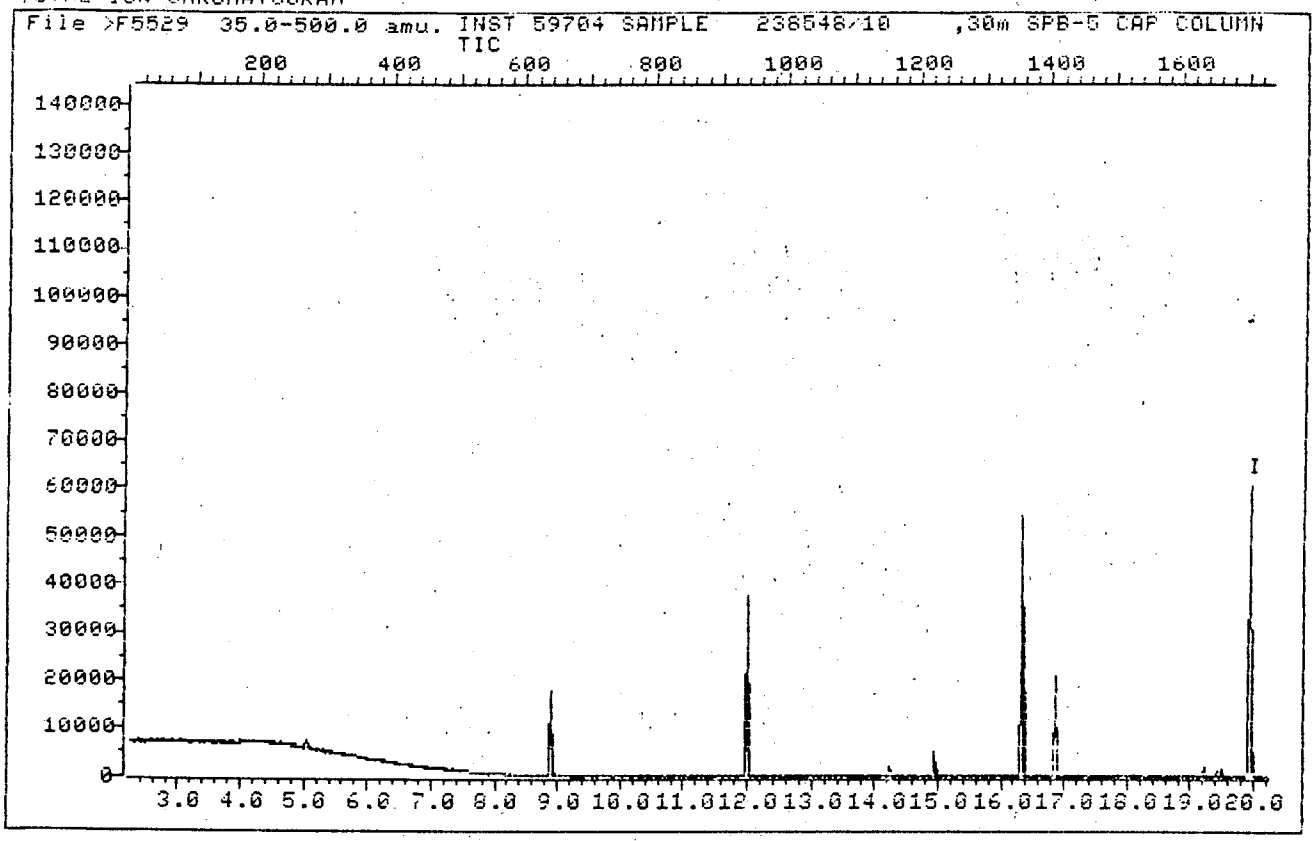
Operator ID: GT0101 Quant Rev: 7 Quant Time: 960709 15:44
Output File: ^F5529::QT Injected at: 960709 15:06
Data File: >F5529::F1 Dilution Factor: 1.00000
Name: INST 59704 SAMPLE Instrument ID: INST F
Misc: 238548/10 ,30m SPB-5 CAP COLUMN BTL# 7

ID File: IDPEST::SC
Title: CLP PESTICIDE CONFIRMATION FILE
Last Calibration: : Last Qcal Time: 960705 12:13

	Compound	R.T.	Q ion	Area	Conc	Units	q
1)	*Phenanthrene-d10	19.91	188.0	40363	40.00	UG/ML	100

* Compound is ISTD

TOTAL ION CHROMATOGRAM



Data File: >F5529::F1 Quant Output File: ^F5529::QT
Name: INST 59704 SAMPLE Instrument ID: INST F
Misc: 238548/10 ,30m SPB-5 CAP COLUMN BTL# 7

Id File: IDPEST::SC
Title: CLP PESTICIDE CONFIRMATION FILE
Last Calibration: : Last Qcal Time: 960705 12:13

Operator ID: GT0101
Quant Time : 960709 15:44
Injected at: 960709 15:06

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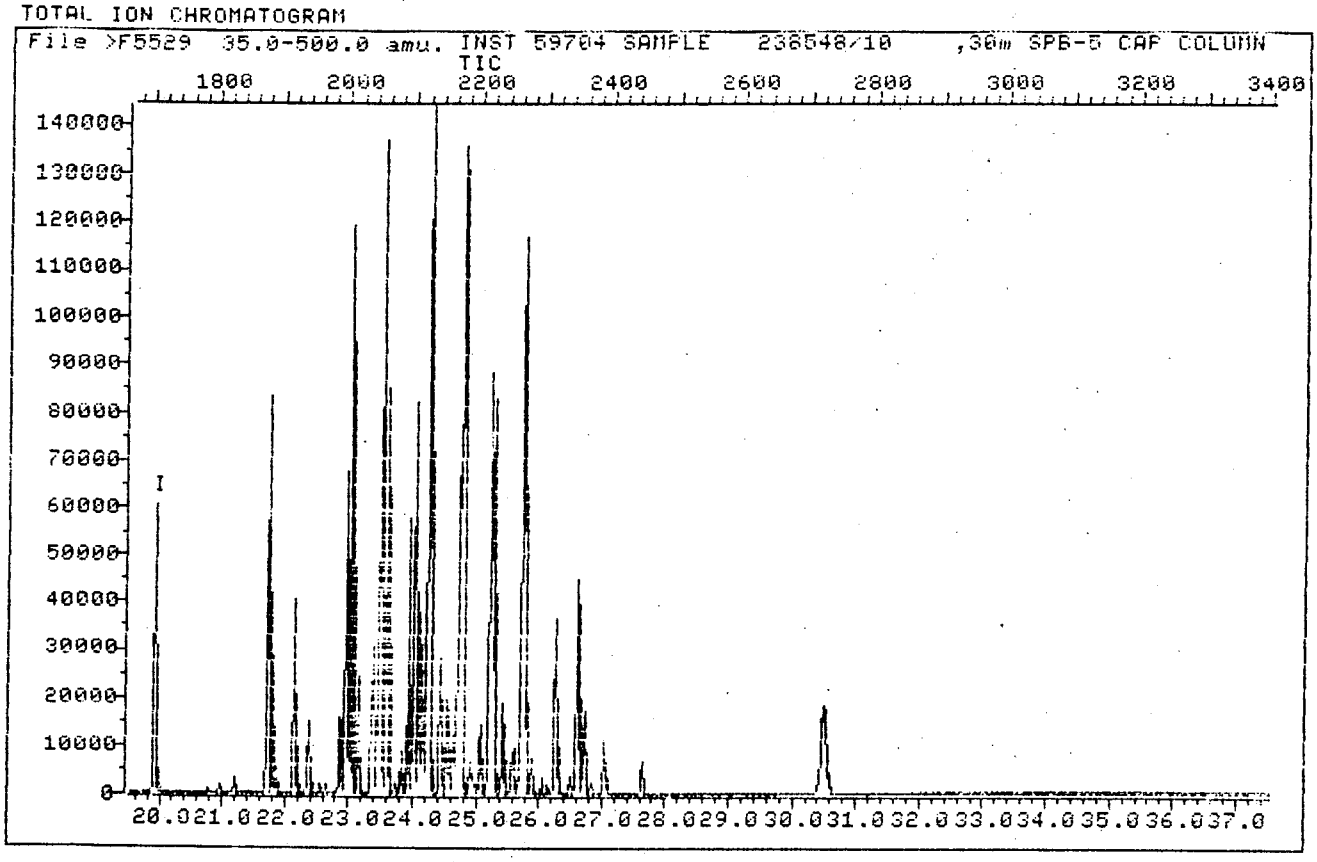
TOTAL ION CHROMATOGRAM



Data File: >F5529::F1 Quant Output File: ^F5529::QT
Name: INST 59704 SAMPLE Instrument ID: INST F
Misc: 238548/10 ,30m SPB-5 CAP COLUMN BTL# 7

Id File: IDPEST::SC
Title: CLP PESTICIDE CONFIRMATION FILE
Last Calibration: : Last Qcal Time: 960705 12:13

Operator ID: GT0101
Quant Time : 960709 15:44
Injected at: 960709 15:06

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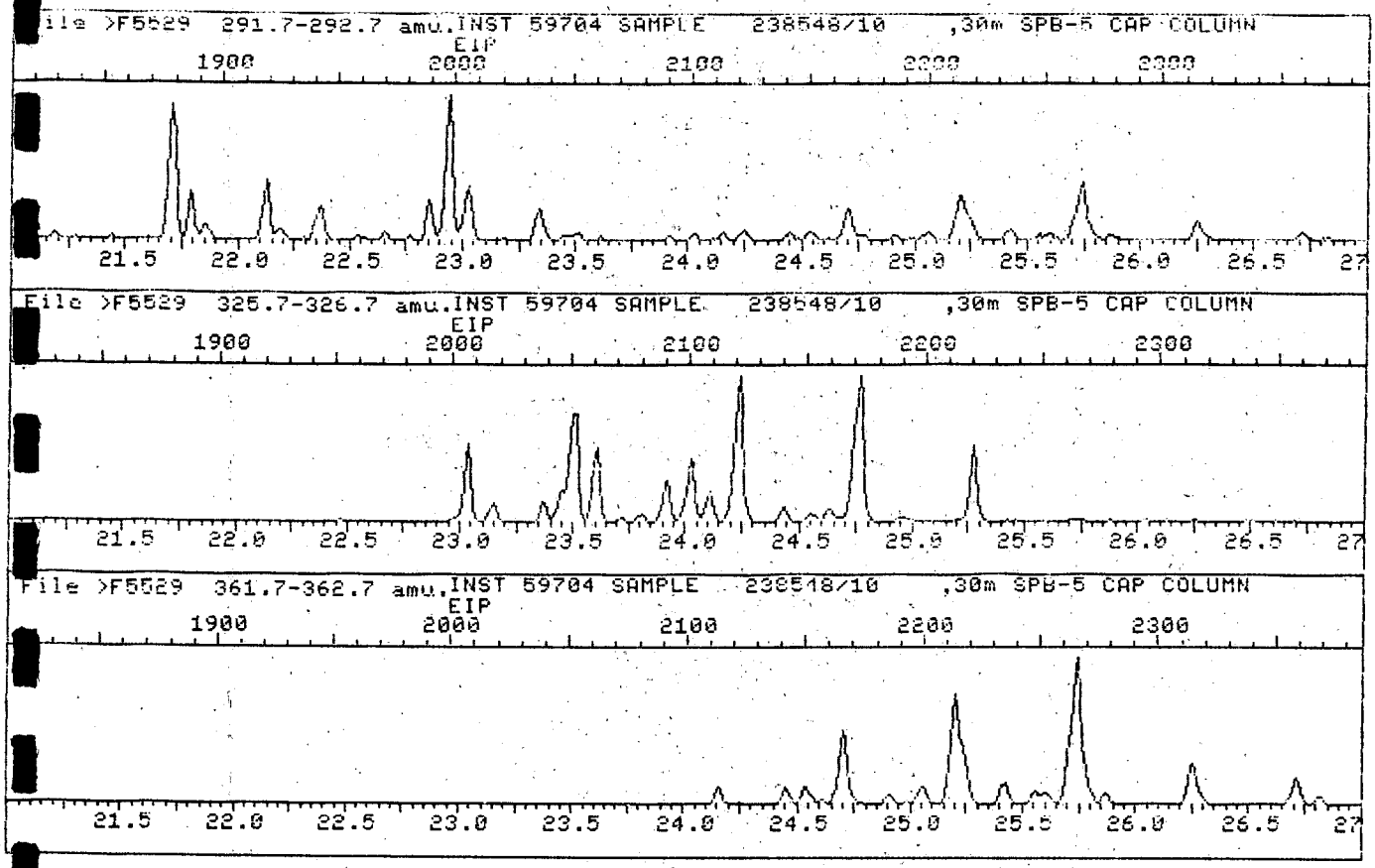


S data file header from : >F5529::F1

Sample: INST 59704 SAMPLE Operator: GT0101 SUPER GRP. 7/09/96 15:06
Disc : 238548/10 ,30m SPB-5 CAP COLUMN BTL# 7
Sys. #: 1 MS model: 70 SW/HW rev.: LF ALS # : 7 Equip ID: INST F
Method file: BNP4 Tuning file: MTA004 No. of extra records: 2
Source temp.: N/A Analyzer temp.: N/A Transfer line temp. : 0

Chromatographic temperatures :	40.	280.	300.	0.	0.
Chromatographic times, min :	4.0	1.0	20.0	0.0	0.0
Chromatographic rate, deg/min:	10.0	10.0	0.0	0.0	0.0

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS7

Lab Name: ICM Contract:

Lab Code: ICM Case No.: SAS No.: SDG No.: RIN1A

Matrix: (soil/water) SOIL Lab Sample ID: 238552

Sample wt/vol: 30.5 (g/mL) G Lab File ID: 03427

% Moisture: 20. decanted: (Y/N) N Date Received: 06/28/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 07/03/96

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 07/22/96

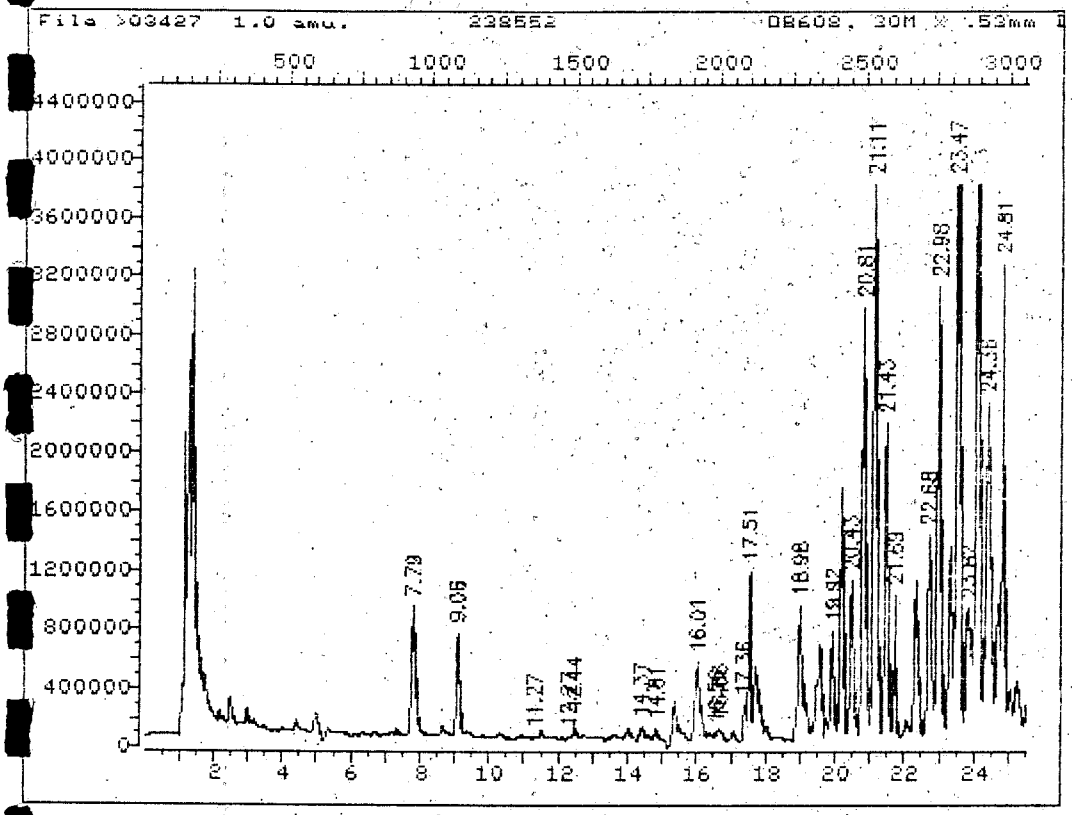
Injection Volume: 1.0 (uL) Dilution Factor: 1.0

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

Use these data.

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
319-84-6	alpha-BHC	2.1	U
319-85-7	beta-BHC	2.1	U
319-86-8	delta-BHC	2.1	U
58-89-9	gamma-BHC (Lindane)	2.1	U
76-44-8	Heptachlor	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	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	3300 ~~2100.~~	~~E~~ D*
11096-82-5	Aroclor-1260	41.	U

D* Value transferred from diluted analysis SS7 DL 10 x D/F

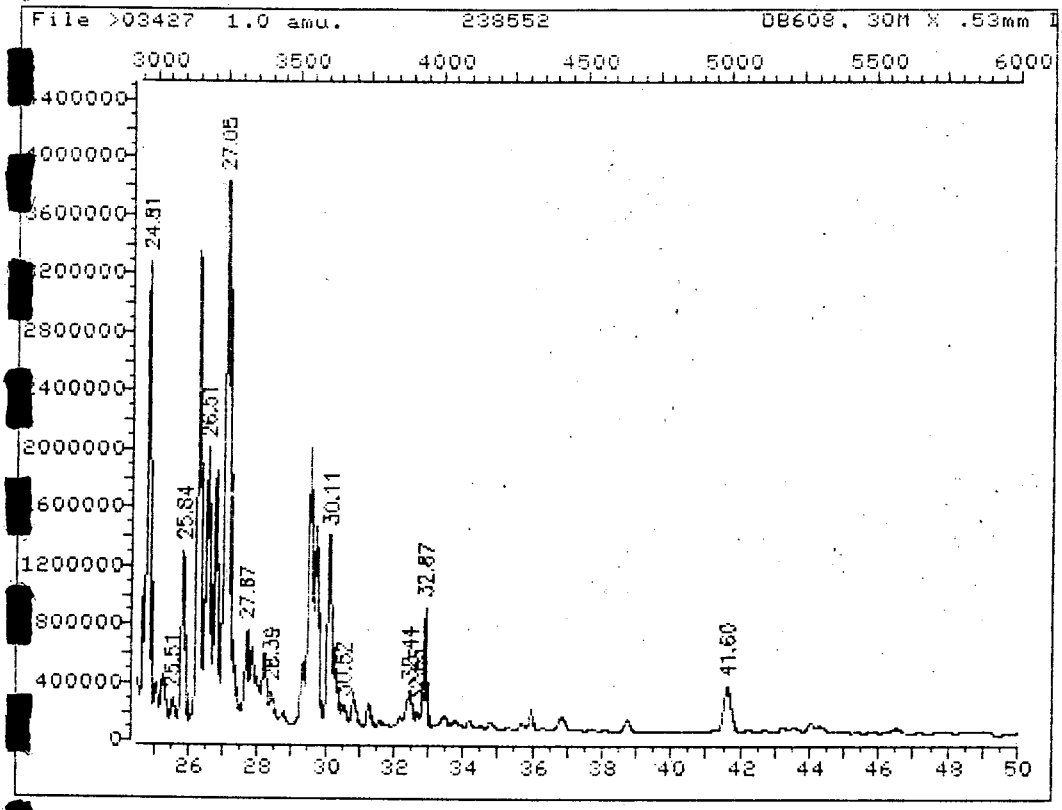


Data File: >03427::G2 Quant Output File: ^03427::GQ
Name: 238552 Instrument ID: GC03
Misc: DB608, 30M X .53mm INST 58903, 1ul INJ

Id File: IDCAP5::SC
Title: Capillary Column DB 608
Last Calibration: 941029 10:07 Last Qcal Time: 960713 22:00

Operator ID: TRFI2
Quant Time : 960722 11:59
Injected at: 960722 10:46

Page 1 of 2

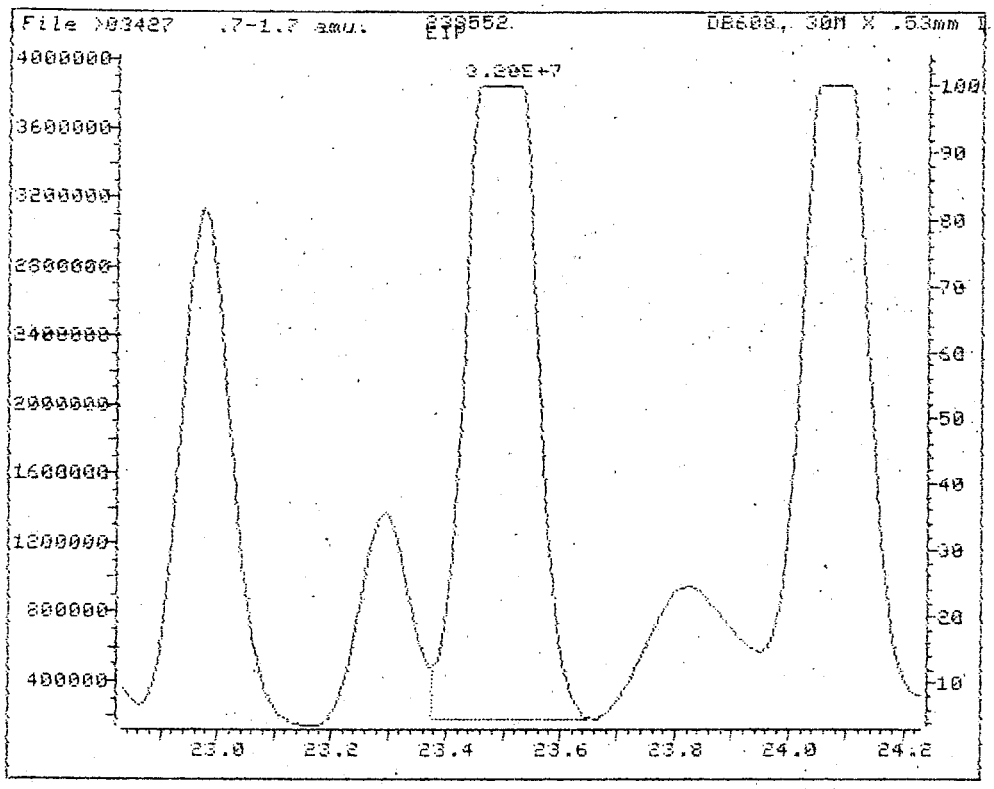


Data File: >03427::G2 Quant Output File: ^03427::GQ
Name: 238552 Instrument ID: GC03
Misc: DB608, 30M X .53mm INST 58903, 1ul INJ

Id File: IDCAP5::SC
Title: Capillary Column DB 608
Last Calibration: 941029 10:07 Last Qcal Time: 960713 22:00

Operator ID: TRFI2
Quant Time : 960722 11:59
Injected at: 960722 10:46

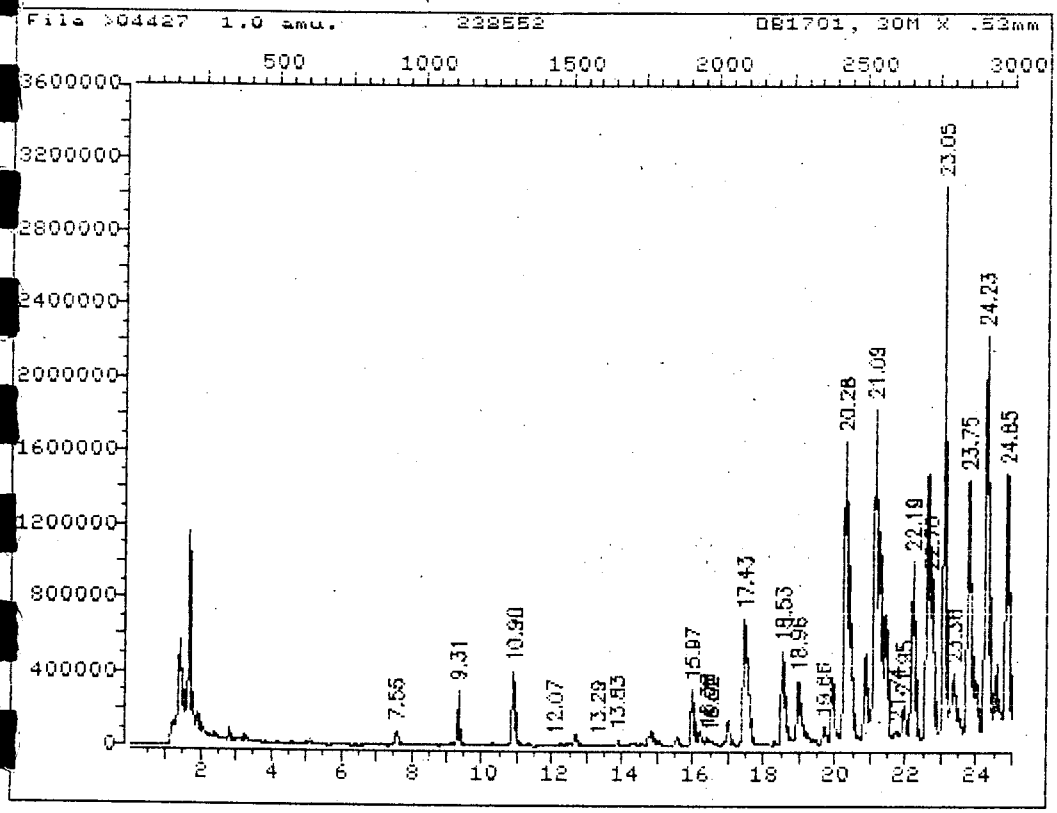
Page 2 of 2



Data File: >03427::G2 Quant Output File: ^03427::GQ
Name: 238552 Instrument ID: GC03
Misc: DB608, 30M X .53mm INST 58903, 1ul INJ
Quant Time: 960722 11:59 Quant ID File: IDCAP5::SC
Injected at: 960722 10:46 Last Calibration: 941029 10:07

Compound No: 53
Compound Name: Aroclor-1254(4)
Scan Number: 2821
Retention Time: 23.51 min.
Quant Ion: 1.0
Area: 31993296M
Concentration: 4950.30 ng/ml
q-value: 100

This report was produced by QAREA on: 960723 07:07

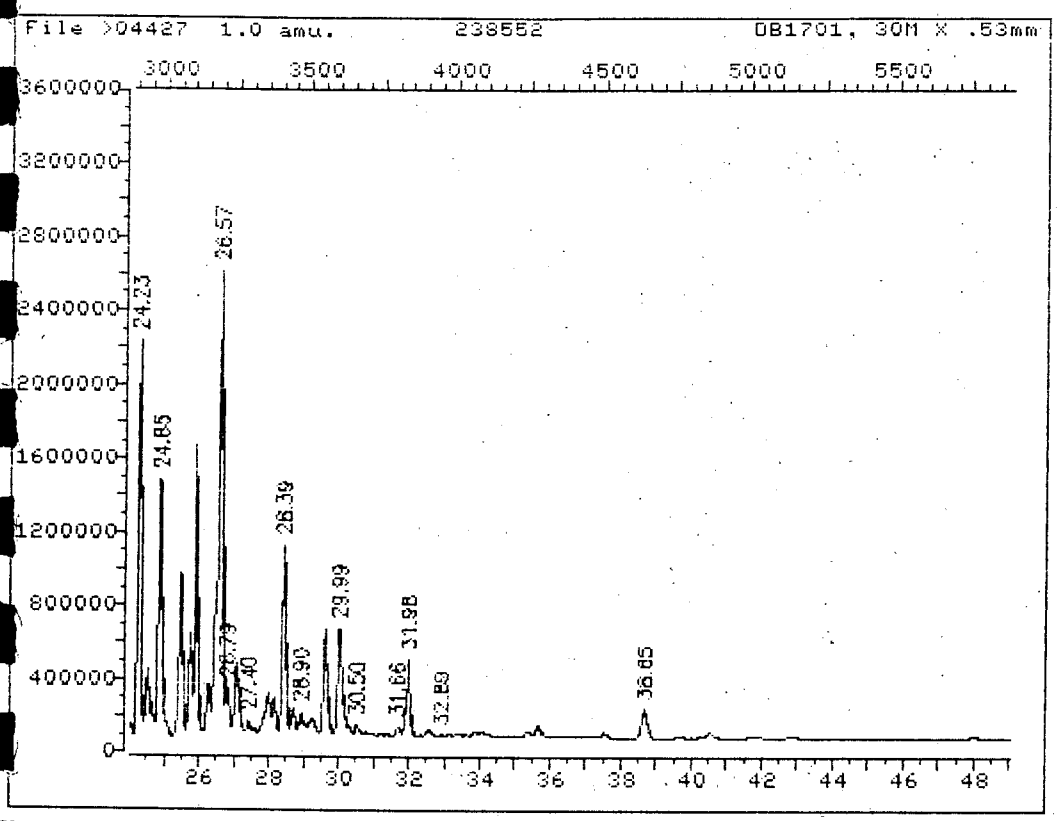


Data File: >04427::G4 Quant Output File: ^04427::GQ
Name: 238552 Instrument ID: GC04
Misc: DB1701, 30M X .53mm INST 58903, 1ul INJ

Id File: IDCAP6::SC
Title: Capillary Column DB1701
Last Calibration: 941029 10:07 Last Qcal Time: 960713 22:00

Operator ID: TRFI2
Quant Time : 960722 11:55
Injected at: 960722 10:46

Page 1 of 2



Data File: >04427::G4 Quant Output File: ^04427::GQ
Name: 238552 Instrument ID: GC04
Misc: DB1701, 30M X .53mm INST 58903, 1ul INJ

Id File: IDCAP6::SC
Title: Capillary Column DB1701
Last Calibration: 941029 10:07 Last Qcal Time: 960713 22:00

Operator ID: TRFI2
Quant Time : 960722 11:55
Injected at: 960722 10:46

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QUANT REPORT

Operator ID: TRFI2 Quant Rev: 7 Quant Time: 960722 11:59
Output File: ^03427::GQ Injected at: 960722 10:46
Data File: >03427::G2 Dilution Factor: 1.00000
Name: 238552 Instrument ID: GC03
Misc: DB608, 30M X .53mm INST 58903, 1ul INJ

SS7

ID File: IDCAP5::SC
Title: Capillary Column DB 608
Last Calibration: 941029 10:07 Last Qcal Time: 960713 22:00

Compound	R.T.	Scan#	Area	Conc	Units	q
1) #Tetrachloro-m-xylene	9.06	1087	3883399	32.46	ng/ml	100
2) ~~#alpha-BHC~~	12.44	1493	804543	5.40	ng/ml	100
3) ~~#beta-BHC~~	14.81	1777	351737	4.30	ng/ml	100
4) ~~#delta-BHC~~	16.56	1987	64367	.500	ng/ml	100
5) ~~#gamma-BHC (Lindane)~~	14.37	1725	876707	6.33	ng/ml	100
6) ~~#Heptachlor~~	16.01	1921	5049493	48.06	ng/ml	100
7) ~~#Aldrin~~	17.36	2083	1256921	9.41	ng/ml	100
8) ~~#Heptachlor epoxide~~	19.92	2390	3842510	30.78	ng/ml	100
9) ~~#Endosulfan I~~	21.69	2603	5875501	55.36	ng/ml	100
10) ~~#Dieldrin~~	22.98	2757	19032740	201.75	ng/ml	100
11) ~~#4,4'-DDE~~	22.68	2721	11777476	127.55	ng/ml	100
12) ~~#Endrin~~	24.81	2977	20716236	237.01	ng/ml	100
13) ~~#Endosulfan II~~	25.84	3100	8094342	81.80	ng/ml	100
14) ~~#4,4'-DDD~~	25.51	3061	904242	14.64	ng/ml	100
15) ~~#Endosulfan Sulfate~~	28.39	3406	1347027	15.32	ng/ml	100
16) ~~#4,4'-DDT~~	27.05	3246	2810550	41.37	ng/ml	100
17) ~~#Methoxychlor~~	32.44	3893	2711266	68.15	ng/ml	100
18) ~~#Endrin ketone~~	32.65	3918	557758	6.01	ng/ml	100
19) #Decachlorobiphenyl	41.60	4992	4480195	38.75	ng/ml	100
20) ~~#alpha-Chlordane~~ NT	21.43	2571	12363184	102.60	ng/ml	100
21) ~~#gamma-Chlordane~~ NT	20.81	2497	19093400	157.91	ng/ml	100
22) ~~#Toxaphene(1)~~ NT	23.82	2858	8125818	5085.57	ng/ml	100
23) ~~#Aroclor-1016(1)~~ NP	12.27	1472	185799	65.04	ng/ml	100
24) ~~#Aroclor-1221(1)~~ NP	7.79	935	7114409	8275.12	ng/ml	100
25) ~~#Aroclor-1232(1)~~ NP	12.27	1472	185799	69.03	ng/ml	100
26) ~~#Aroclor-1242(1)~~ NP	12.27	1472	185799	76.57	ng/ml	100
27) ~~#Aroclor-1248(1)~~ NP	16.01	1921	5276234	700.37	ng/ml	100
28) #Aroclor-1254(1)	20.81	2497	19093400	3837.92	ng/ml	100
29) ~~#Aroclor-1260(1)~~	24.36	2923	16822880	2627.81	ng/ml	100
30) ~~#Endrin aldehyde~~	27.67	3320	4918935	60.81	ng/ml	100
31) ~~#Toxaphene(2)~~ NT	27.67	3320	4918935	2942.77	ng/ml	100
32) ~~#Toxaphene(3)~~ NT	28.39	3406	1347027	635.09	ng/ml	100
33) ~~#Toxaphene(4)~~ NT	30.52	3662	971309	497.24	ng/ml	100
34) ~~#Aroclor-1016(2)~~ NP	14.37	1725	876707	150.99	ng/ml	100
35) ~~#Aroclor-1016(3)~~ NP	16.01	1921	5276234	472.15	ng/ml	100
36) ~~#Aroclor-1016(4)~~ NP	16.66	1999	860994	223.66	ng/ml	100
37) ~~#Aroclor-1016(5)~~ NP	18.98	2278	7076465	2092.19	ng/ml	100
38) ~~#Aroclor-1221(2)~~ NP	11.27	1353	30479	18.76	ng/ml	100
39) ~~#Aroclor-1221(3)~~ NP	12.27	1472	185799	50.12	ng/ml	100
40) ~~#Aroclor-1232(2)~~ NP	14.37	1725	876707	312.29	ng/ml	100

MPM 7/23/96

perator ID: TRFI2 Quant Rev: 7 Quant Time: 960722 11:59
utput File: ^03427::GQ Injected at: 960722 10:46
ata File: >03427::G2 Dilution Factor: 1.00000
ame: 238552 Instrument ID: GC03
ip: DB608. 30M X .53mm INST 58903. 1ul INJ

D File: IDCAP5::SC
ile: Capillary Column DB 608
at Calibration: 941029 10:07 Last Qual Time: 960713 22:00

Compound	R.T.	Scan#	Area	Conc	Units	q
4) #Aroclor-1232(3) ND	16.01	1921	5276234	1130.51	ng/ml	100
4) #Aroclor-1232(4) ND	16.66	1999	860994	492.66	ng/ml	100
43) #Aroclor-1242(2) ND	14.37	1725	876707	189.39	ng/ml	100
44) #Aroclor-1242(3) ND	16.01	1921	5276234	594.98	ng/ml	100
4) #Aroclor-1242(4) ND	16.66	1999	860994	260.08	ng/ml	100
46) #Aroclor-1242(5) ND	18.98	2278	7076465	2419.08	ng/ml	100
47) #Aroclor-1248(2) ND	17.51	2101	5741168	1798.06	ng/ml	100
4) #Aroclor-1248(3) ND	18.98	2278	7076465	1719.39	ng/ml	100
4) #Aroclor-1248(4) ND	20.43	2452	6749767	1643.13	ng/ml	100
50) #Aroclor-1248(5) ND	21.69	2603	5875501	1341.58	ng/ml	100
5) #Aroclor-1254(2)	21.11	2533	26025328	4435.50	ng/ml	100
5) #Aroclor-1254(3)	22.68	2721	11777478	6375.96	ng/ml	100
53) #Aroclor-1254(4)	23.51	2821	31993296M	4950.30	ng/ml	100
54) #Aroclor-1254(5)	24.81	2977	20263584	5544.83	ng/ml	100
5) #Aroclor-1260(2) ND	24.81	2977	20263584	2844.33	ng/ml	100
58) #Aroclor-1260(3) ND	26.51	3181	11222918	2437.95	ng/ml	100
57) #Aroclor-1260(4) ND	30.11	3613	10288422	939.34	ng/ml	100
5) #Aroclor-1260(5) ND	32.87	3944	6695903	1358.28	ng/ml	100

Compound uses ESTD

7/23/96

QUANT REPORT

Operator ID: TRFI2 Quant Rev: 7 Quant Time: 960722 11:55
Output File: ^04427::GQ Injected at: 960722 10:46
Data File: >04427::G4 Dilution Factor: 1.00000
Name: 238552 Instrument ID: GC04
Misc: DB1701, 30M X .53mm INST 58903, 1ul INJ

ID File: IDCAP6::SC
Title: Capillary Column DB1701
Last Calibration: 941029 10:07 Last Qcal Time: 960713 22:00

Compound	R.T.	Scan#	Area	Conc	Units	q
1) #Tetrachloro-m-xylene	9.31	1117	1481678	36.21	ng/ml	100
2) ~~#alpha-BHC~~ NT	13.29	1595	82340	2.53	ng/ml	100
3) ~~#beta-BHC~~ NT	18.53	2224	3693695	147.19	ng/ml	100
4) ~~#delta-BHC~~ NT	19.66	2359	626717	23.90	ng/ml	100
5) ~~#Heptachlor~~ NT	16.38	1966	268602	5.74	ng/ml	100
7) ~~#Aldrin~~	17.43	2092	6514658	173.98	ng/ml	100
9) ~~#Endosulfan I~~	21.74	2609	211625	6.06	ng/ml	100
10) ~~#Dieldrin~~	23.36	2803	2786331	86.82	ng/ml	100
11) ~~#4,4'-DDE~~	22.70	2724	4514116	159.41	ng/ml	100
12) ~~#Endrin~~	24.23	2908	14982580	515.96	ng/ml	100
13) ~~#Endosulfan II~~ NT	26.79	3214	1611754	47.08	ng/ml	100
14) ~~#4,4'-DDD~~	26.57	3188	18895612	983.01	ng/ml	100
15) ~~#Endosulfan Sulfate~~	30.50	3660	374251	13.64	ng/ml	100
16) ~~#4,4'-DDT~~	27.40	3288	357935	20.48	ng/ml	100
18) ~~#Endrin ketone~~	32.89	3947	60821	1.92	ng/ml	100
19) #Decachlorobiphenyl	38.65	4638	1750694	38.17	ng/ml	100
20) ~~#alpha-Chlordane~~ NT	22.19	2663	6306114	151.36	ng/ml	100
21) ~~#gamma-Chlordane~~ NT	21.95	2634	934817	23.33	ng/ml	100
22) ~~#Aroclor-1016(1)~~ ND	12.07	1448	70980	58.60	ng/ml	100
24) ~~#Aroclor-1221(1)~~ ND	7.55	906	424432	555.24	ng/ml	100
25) ~~#Aroclor-1232(1)~~ ND	7.55	906	424432	384.50	ng/ml	100
26) ~~#Aroclor-1242(1)~~ ND	12.07	1448	70980	69.09	ng/ml	100
27) ~~#Aroclor-1248(1)~~ ND	13.83	1660	170792	166.15	ng/ml	100
28) #Aroclor-1254(1)	17.43	2092	6514658	4108.74	ng/ml	100
29) ~~#Aroclor-1260(1)~~ ND	23.75	2850	9811048	3953.63	ng/ml	100
30) ~~#Endrin aldehyde~~ NT	28.90	3468	1125440	35.00	ng/ml	100
31) ~~#Toxaphene(2)~~ NT	28.39	3407	7159596	10573.54	ng/ml	100
32) ~~#Toxaphene(3)~~ NT	30.50	3660	374251	693.85	ng/ml	100
33) ~~#Toxaphene(4)~~ NT	31.66	3799	424424	818.89	ng/ml	100
34) ~~#Aroclor-1016(2)~~ ND	13.83	1660	170792	69.14	ng/ml	100
35) ~~#Aroclor-1016(3)~~ ND	15.97	1916	1828316	454.97	ng/ml	100
36) ~~#Aroclor-1016(4)~~ ND	16.52	1982	187338	126.12	ng/ml	100
37) ~~#Aroclor-1016(5)~~ ND	18.53	2224	3693695	1890.33	ng/ml	100
38) ~~#Aroclor-1221(2)~~ ND	10.90	1308	2218884	3404.27	ng/ml	100
39) ~~#Aroclor-1221(3)~~ ND	12.07	1448	70980	41.86	ng/ml	100
40) ~~#Aroclor-1232(2)~~ ND	12.07	1448	70980	62.51	ng/ml	100
41) ~~#Aroclor-1232(3)~~ ND	13.83	1660	170792	171.14	ng/ml	100
42) ~~#Aroclor-1232(4)~~ ND	15.97	1916	1828316	1123.03	ng/ml	100
43) ~~#Aroclor-1242(2)~~ ND	13.83	1660	170792	88.33	ng/ml	100
44) ~~#Aroclor-1242(3)~~ ND	15.97	1916	1828316	579.96	ng/ml	100

JMb 7/23/96

Operator ID: TRFI2 Quant Rev: 7 Quant Time: 960722 11:55
Output File: ^04427::GQ Injected at: 960722 10:46
Data File: >04427::G4 Dilution Factor: 1.00000
Name: 238552 Instrument ID: GC04
Misc: DB1701, 30M X .53mm INST 58903, 1ul INJ

ID File: IDCAP6::SC
Title: Capillary Column DB1701
Last Calibration: 941029 10:07 Last Qcal Time: 960713 22:00

	Compound	R.T.	Scan#	Area	Conc	Units	q
45)	~~#Aroclor-1242(4)~~ NP	16.52	1982	187338	163.69	ng/ml	100
46)	~~#Aroclor-1242(5)~~ NP	17.43	2092	6514658	7621.00	ng/ml	100
47)	~~#Aroclor-1248(2)~~ NP	15.97	1916	1828316	676.92	ng/ml	100
48)	~~#Aroclor-1248(3)~~ NP	18.53	2224	3693695	1526.01	ng/ml	100
49)	~~#Aroclor-1248(4)~~ NP	18.96	2275	1863868	1019.94	ng/ml	100
50)	~~#Aroclor-1248(5)~~ NP	20.28	2433	10901844	9556.31	ng/ml	100
51)	#Aroclor-1254(2)	20.28	2433	10901844	5073.60	ng/ml	100
52)	#Aroclor-1254(3)	21.09	2531	10975972	5972.96	ng/ml	100
53)	#Aroclor-1254(4)	23.05	2766	18808644	7240.08	ng/ml	100
54)	#Aroclor-1254(5)	23.75	2850	9811048	6897.58	ng/ml	100
55)	~~#Aroclor-1260(2)~~ NP	24.85	2982	8560770	2998.92	ng/ml	100
56)	~~#Aroclor-1260(3)~~ NP	28.39	3407	7159596	4305.05	ng/ml	100
57)	~~#Aroclor-1260(4)~~ NP	29.99	3599	5184788	1212.09	ng/ml	100
58)	~~#Aroclor-1260(5)~~ NP	31.98	3837	4034850	1463.83	ng/ml	100

Compound uses ESTD

7/23/96

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS7 DL

Lab Name: ICM Contract:

Lab Code: ICM Case No.: SAS No.: SDG No.: RIN1A

Matrix: (soil/water) SOIL Lab Sample ID: 238552

Sample wt/vol: 30.5 (g/mL) G Lab File ID: 03249

% Moisture: 20. decanted: (Y/N) N Date Received: 06/28/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 07/03/96

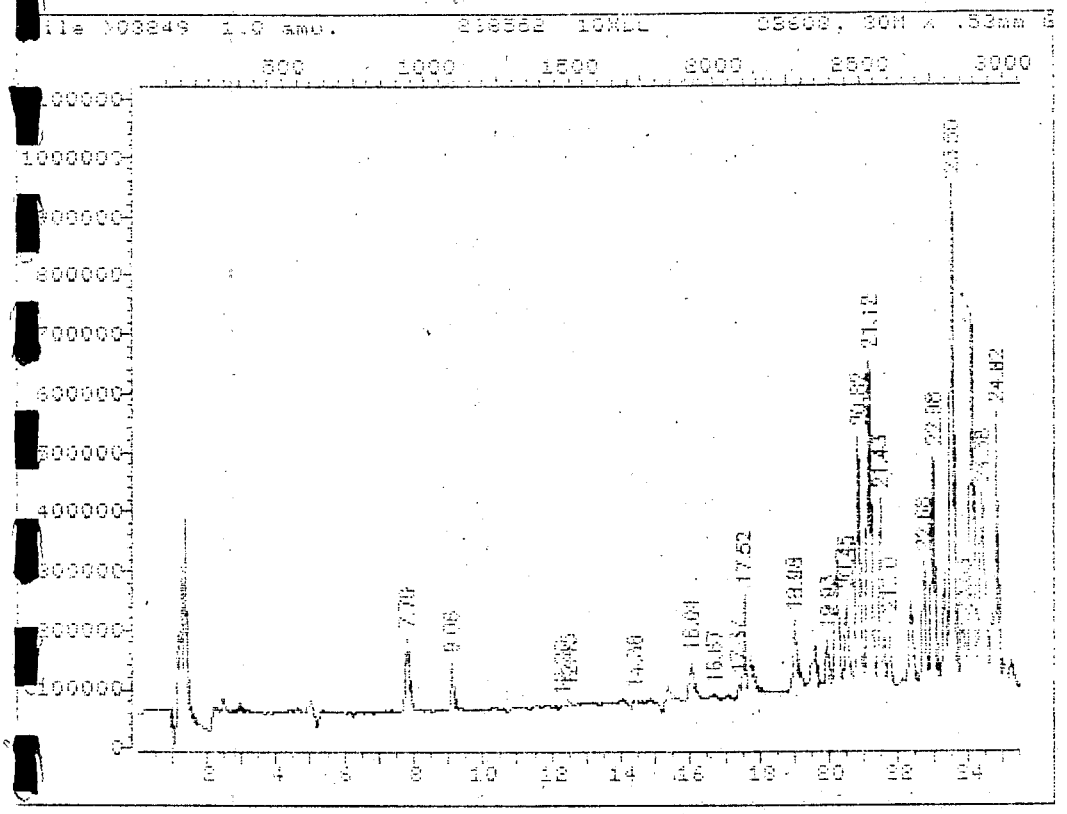
Concentrated Extract Volume: 5000 (uL) Date Analyzed: 07/10/96

Injection Volume: 1.0 (uL) Dilution Factor: 10.0

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

Do not use these data.

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
319-84-6	alpha-BHC	21.	U
319-85-7	beta-BHC	21.	U
319-86-8	delta-BHC	21.	U
58-89-9	gamma-BHC (Lindane)	21.	U
76-44-8	Heptachlor	21.	U
309-00-2	Aldrin	21.	U
1024-57-3	Heptachlor epoxide	21.	U
959-98-8	Endosulfan I	21.	U
60-57-1	Dieldrin	41.	U
72-55-9	4,4'-DDE	41.	U
72-20-8	Endrin	41.	U
33213-65-9	Endosulfan II	41.	U
72-54-8	4,4'-DDD	41.	U
1031-07-8	Endosulfan Sulfate	41.	U
50-29-3	4,4'-DDT	41.	U
72-43-5	Methoxychlor	210.	U
53494-70-5	Endrin ketone	41.	U
7421-93-4	Endrin aldehyde	41.	U
5103-71-9	alpha-Chlordane	21.	U
5103-74-2	gamma-Chlordane	21.	U
8001-35-2	Toxaphene	2100.	U
12674-11-2	Aroclor-1016	410.	U
11104-28-2	Aroclor-1221	820.	U
11141-16-5	Aroclor-1232	410.	U
53469-21-9	Aroclor-1242	410.	U
12672-29-6	Aroclor-1248	410.	U
11097-69-1	Aroclor-1254	3300.	U
11096-82-5	Aroclor-1260	410.	U

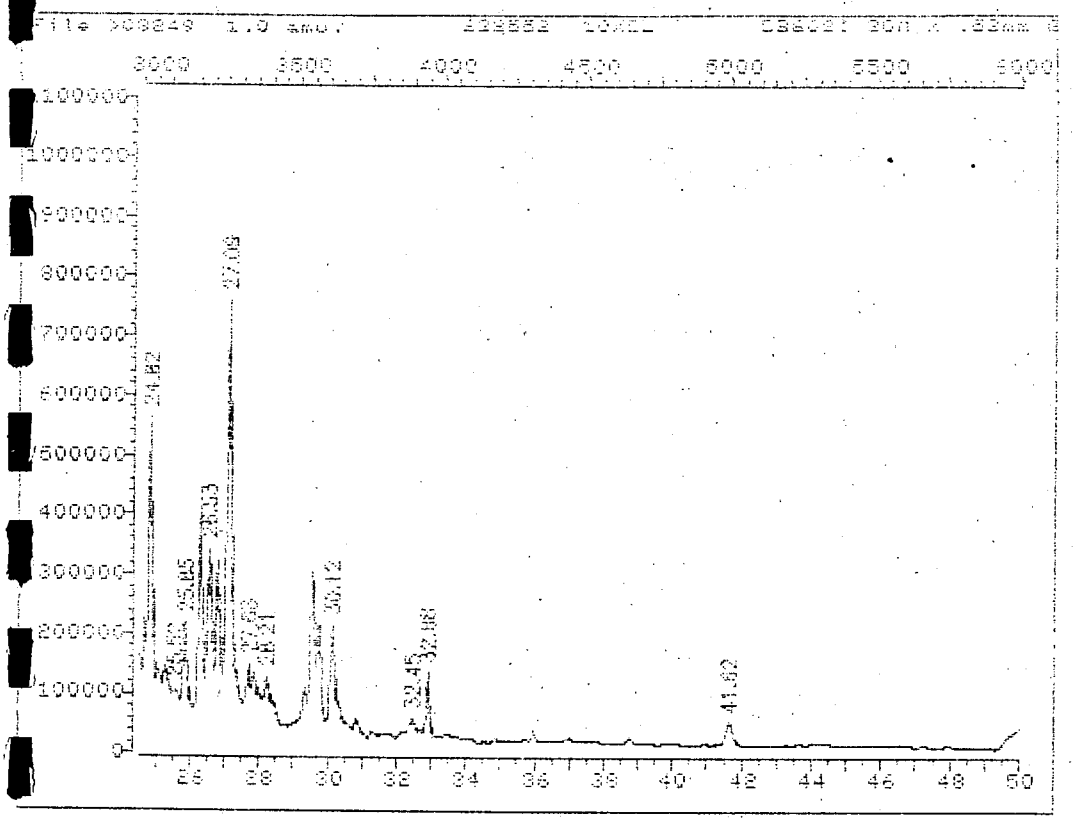


Data File: >03249::F5 Quant Output File: ^03249::GQ
Name: 238552 10XDL Instrument ID: GC03
Misc: DB608, 30M X .53mm SC58903 1ul inj..

Id File: IDCAP1::SC
Title: Capillary Column DB 608..
Last Calibration: 941122 10:07 Last Qual Time: 960702 00:13

Operator ID: TRFIZ
Quant Time : 960712 13:09
Injected at: 960710 22:23

Page 1 of 2

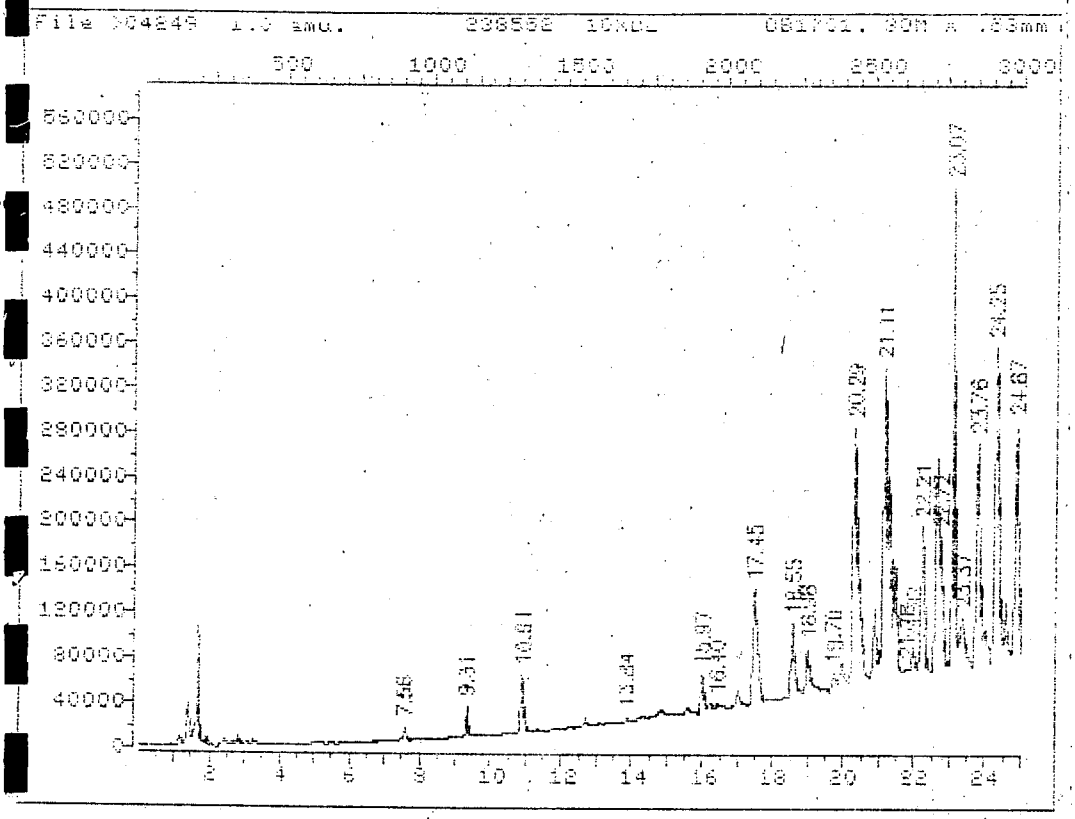


Data File: >03249::F3 Quant Output File: ^03249::G0
Name: 238552 10XDL Instrument ID: GC03
Misc: DB608. 30M X .53mm SC58903 1ul inj.

Id File: IDCAP1::SC
Title: Capillary Column DB 608
Last Calibration: 941027 10:07 Last Cal Time: 960702 00:13

Operator ID: TRFI2
Quant Time : 960712 13:09
Injected at: 960710 22:23

Page 2 of 2

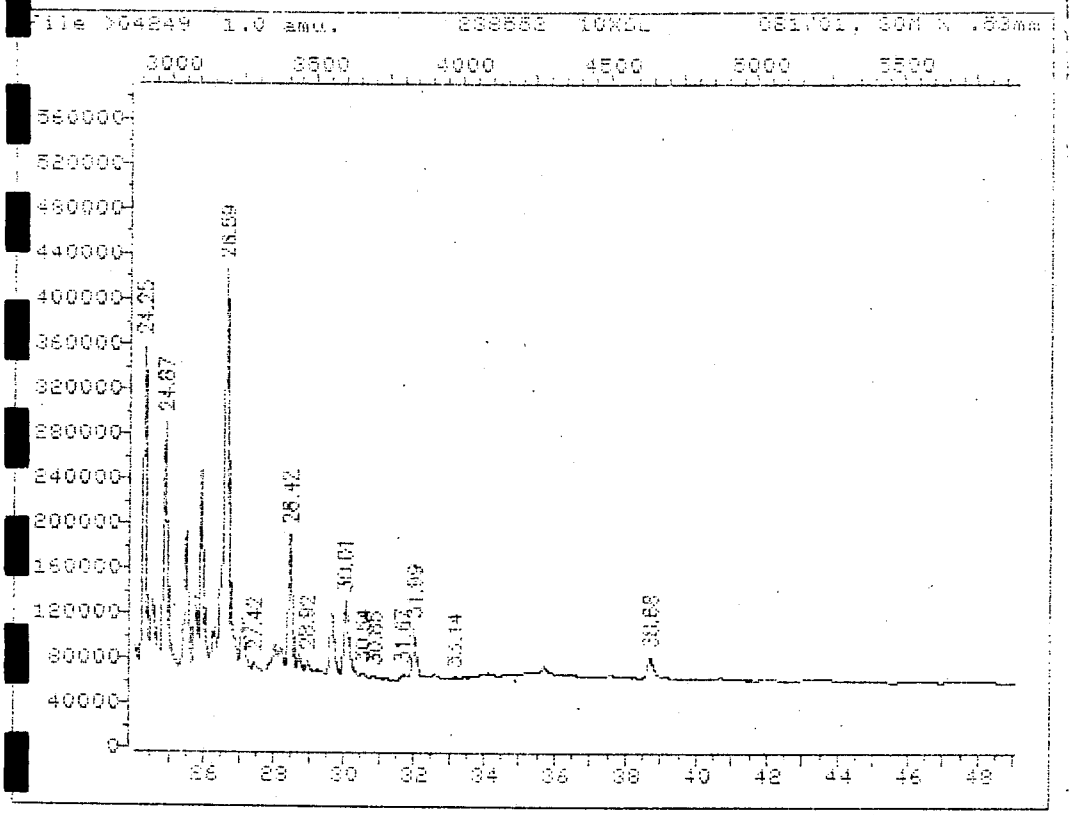


Data File: >04249::G1 Quant Output File: ^04249::GQ
Name: 238552 10XDL Instrument ID: GC04
Misc: DB1701, 30M X .53mm GC5990F 1ul inj.

Id File: IDCAP2::SC
Title: Capillary Column DB1701
Last Calibration: 941029 10:07 Last Qcal Time: 960701 21:23

Operator ID: TPFIZ
Quant Time : 960712 15:25
Injected at: 960710 22:23

Page 1 of 2



Data File: >04249::G1 Quant Output File: >04249::GQ
Name: 238552 10XDL Instrument ID: GC04
Misc: DB1701, 30M X .53mm SC58903 1ul inj.

Id File: IDCAP2::SC
Title: Capillary Column DB1701
Last Calibration: 941029 10:07 Last Cal Time: 960701 21:23

Operator ID: TRFI2
Quant Time : 960712 13:25
Injected at: 960710 22:23

Page 2 of 2

QUAN REPORT

Operator ID: TRFI2 Quant Rev: 7 Quant Time: 960712 13:09
Input File: `03249::SC Injected at: 960710 22:23
Data File: `03249::F3 Dilution Factor: 1.00000
Name: 238552 10XDL Instrument ID: GC03
Misc: DB608, 30M X .53mm 1558903 1ul inj.

SS7DL

ID File: IDCAP1::SC
Title: Capillary Column DB 608
Last Calibration: 941029 10:07 Last Cool Time: 960702 00:13

	Compound	R.T.	Scan#	Area	Conc	Units	q
1)	#Tetrachloro-m-xylene	9.06	1087	429297	3.43	ng/ml	100
2)	~~#alpha-BHC~~	12.45	1494	95041	.642	ng/ml	100
3)	~~#beta-BHC~~	16.67	2000	99453	.823	ng/ml	100
5)	~~#gamma-BHC (Lindane)~~	14.38	1726	218427	1.60	ng/ml	100
6)	~~#Heptachlor~~	16.01	1921	542199	6.95	ng/ml	100
7)	~~#Aldrin~~	17.37	2084	145960	1.08	ng/ml	100
8)	~~#Heptachlor epoxide~~	19.93	2391	415769	3.79	ng/ml	100
9)	~~#Endosulfan I~~	21.70	2604	662981	5.44	ng/ml	100
10)	~~#Dieldrin~~	22.98	2758	2330286	24.65	ng/ml	100
11)	~~#4,4'-DDE~~	22.68	2722	1556539	17.02	ng/ml	100
12)	~~#Endrin~~	24.82	2978	3066707	35.83	ng/ml	100
13)	~~#Endosulfan II~~	25.85	3102	1038391	10.78	ng/ml	100
14)	~~#4,4'-DDD~~	25.52	3062	115681	2.01	ng/ml	100
15)	~~#Endosulfan Sulfate~~	28.21	3385	306448	3.46	ng/ml	100
16)	~~#4,4'-DDT~~	27.09	3251	5122716	79.03	ng/ml	100
17)	~~#Methoxychlor~~	32.45	3894	374939	9.66	ng/ml	100
18)	~~#Endrin ketone~~	32.88	3945	885839	9.84	ng/ml	100
19)	#Decachlorobiphenyl	41.62	4994	535109	4.47	ng/ml	100
20)	~~#alpha-Chlordane~~ NT	21.45	2572	1374508	13.65	ng/ml	100
21)	~~#gamma-Chlordane~~ NT	20.82	2498	2667087	22.63	ng/ml	100
22)	~~#Toxaphene(1)~~ NP	23.23	2860	733997	488.86	ng/ml	100
23)	~~#Aroclor-1016(1)~~ NP	12.27	1472	58147	19.78	ng/ml	100
24)	~~#Aroclor-1221(1)~~ NP	7.79	935	960588	1132.70	ng/ml	100
25)	~~#Aroclor-1232(1)~~ NP	12.27	1472	58147	20.50	ng/ml	100
26)	~~#Aroclor-1242(1)~~ NP	12.27	1472	58147	22.29	ng/ml	100
27)	~~#Aroclor-1248(1)~~ NP	16.01	1921	620186	81.96	ng/ml	100
28)	#Aroclor-1254(1)	20.82	2498	2667087	562.50	ng/ml	100
29)	~~#Aroclor-1260(1)~~ NP	24.38	2925	2498599	322.31	ng/ml	100
30)	~~#Endrin aldehyde~~ NT	27.68	3321	543594	6.89	ng/ml	100
31)	~~#Toxaphene(2)~~ NP	27.68	3321	543594	295.41	ng/ml	100
32)	~~#Toxaphene(3)~~ NP	28.21	3385	306448	122.60	ng/ml	100
33)	~~#Aroclor-1016(2)~~ NP	14.38	1726	218427	33.41	ng/ml	100
34)	~~#Aroclor-1016(3)~~ NP	16.01	1921	620186	56.15	ng/ml	100
35)	~~#Aroclor-1016(4)~~ NP	16.67	2000	99453	26.63	ng/ml	100
36)	~~#Aroclor-1016(5)~~ NP	18.98	2278	280895	259.27	ng/ml	100
37)	~~#Aroclor-1221(2)~~ NP	12.27	1472	58147	15.24	ng/ml	100
38)	~~#Aroclor-1232(2)~~ NP	14.38	1726	218427	77.40	ng/ml	100
39)	~~#Aroclor-1232(3)~~ NP	16.01	1921	620186	131.82	ng/ml	100
40)	~~#Aroclor-1232(4)~~ NP	16.67	2000	99453	57.76	ng/ml	100
41)	~~#Aroclor-1242(2)~~ NP	14.38	1726	218427	40.58	ng/ml	100

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7/13/96

QUANT REPORT

Page 2

Operator ID: TRFI2 Quant Rev: 7 Quant Time: 960712 13:09
Output File: 03249::GQ Injected at: 960710 22:23
Data File: >03249::F3 Dilution Factor: 1.00000
Name: 238552 10XDL Instrument ID: GC03
Misc: DB608, 30M X .53mm 0356903 1ul inj.

ID File: IDCAP1::SC
Title: Capillary Column DB 608
Last Calibration: 941029 10:07 Last Goal Time: 960702 00:13

	Compound	R.T.	Scan#	Area	Conc	Units	q
44)	#~~Aroclor-1242(3)~~ NP	16.01	1921	620186	69.58	ng/ml	100
[illegible])	#~~Aroclor-1242(4)~~ NP	16.67	2000	99453	31.44	ng/ml	100
[illegible])	#~~Aroclor-1242(5)~~ NP	18.98	2278	880895	294.72	ng/ml	100
47)	#~~Aroclor-1248(2)~~	17.52	2102	887576	340.28	ng/ml	100
[illegible])	#~~Aroclor-1248(3)~~	18.98	2278	880895	212.13	ng/ml	100
[illegible])	#~~Aroclor-1248(4)~~ NP	20.45	2454	958473	177.19	ng/ml	100
50)	#~~Aroclor-1248(5)~~	21.70	2604	662981	120.25	ng/ml	100
51)	#Aroclor-1254(2)	21.12	2534	3861621	696.81	ng/ml	100
[illegible])	#Aroclor-1254(3)	22.68	2722	1556539	965.36	ng/ml	100
[illegible])	#Aroclor-1254(4)	23.50	2820	5495805	905.24	ng/ml	100
54)	#Aroclor-1254(5)	24.82	2978	3021241	842.60	ng/ml	100
[illegible])	#~~Aroclor-1260(2)~~	24.82	2978	3024916	431.86	ng/ml	100
[illegible])	#~~Aroclor-1260(3)~~	26.53	3183	1917630	367.34	ng/ml	100
57)	#~~Aroclor-1260(4)~~ NP	30.12	3614	1299222	120.25	ng/ml	100
[illegible])	#~~Aroclor-1260(5)~~	32.88	3945	885839	160.45	ng/ml	100

Compound uses ESTD

E Price
7/13/96

QUANT REPORT

Operator ID: TRFI2 Quant Rev: 7 Quant Time: 960712 13:25
Input File: >04249::GC Injection at: 960710 22:23
Data File: >04249::G1 Dilution Factor: 1.00000
Name: 238552 10X2 Instrument ID: GC04
Misc: 981701, 30M X .53mm DC58903 1ul inj.

ID File: IDCAP2::GC
Title: Capillary Column 981701
Last Calibration: 941029 10:07 Last Cal Time: 960701 21:23

	Compound	R.T.	Scan#	Area	Conc	Units	q
1)	#Tetrachloro-m-xylene	9.31	1117	143602	3.47	ng/ml	100
[illegible]	~~#Beta BHC~~	18.55	2226	498003	18.95	ng/ml	100
[illegible]	~~#Delta BHC~~	19.70	2364	129691	5.32	ng/ml	100
6)	~~#Heptachlor~~	16.40	1968	14587	.307	ng/ml	100
[illegible]	~~#Aldrin~~	17.45	2094	974983	25.89	ng/ml	100
[illegible]	~~#Endosulfan I~~	21.78	2613	13963	.391	ng/ml	100
10)	~~#Dieldrin~~	23.37	2804	197113	6.07	ng/ml	100
11)	~~#4,4'-DDE~~	22.72	2726	616415	22.21	ng/ml	100
[illegible]	~~#Endrin~~	24.25	2910	2131086	73.52	ng/ml	100
[illegible]	~~#Endosulfan II~~	26.59	3191	2851158	79.66	ng/ml	100
14)	~~#4,4'-DDD~~	26.59	3191	2822336	133.56	ng/ml	100
[illegible]	~~#Endosulfan Sulfate~~	30.54	3664	37071	1.40	ng/ml	100
[illegible]	~~#4,4'-DDT~~	27.42	3290	41674	2.53	ng/ml	100
17)	~~#Methoxychlor~~	30.85	3702	31071	2.31	ng/ml	100
[illegible]	~~#Endrin ketone~~	33.14	3976	9949	.350	ng/ml	100
[illegible]	#Decachlorobiphenyl	38.68	4641	235612	5.05	ng/ml	100
20)	~~#alpha-Chlordane~~	22.21	2665	836825	20.05	ng/ml	100
21)	~~#gamma-Chlordane~~	21.97	2636	104776	2.62	ng/ml	100
[illegible]	~~#Aroclor-1221(1)~~	7.56	907	57371	72.55	ng/ml	100
[illegible]	~~#Aroclor-1232(1)~~	7.56	907	57371	48.18	ng/ml	100
27)	~~#Aroclor-1248(1)~~	13.84	1661	28985	26.31	ng/ml	100
[illegible]	#Aroclor-1254(1)	17.45	2094	974983	613.72	ng/ml	100
[illegible]	~~#Aroclor-1260(1)~~	23.76	2851	1423405	616.10	ng/ml	100
30)	~~#Endrin aldehyde~~	28.92	3470	95004	3.13	ng/ml	100
[illegible]	~~#Toxaphene(2)~~	28.42	3410	995854	1242.96	ng/ml	100
[illegible]	~~#Toxaphene(3)~~	30.54	3664	50841	103.15	ng/ml	100
[illegible]	~~#Toxaphene(4)~~	31.67	3800	48801	97.25	ng/ml	100
34)	~~#Aroclor-1016(2)~~	13.84	1661	28985	11.86	ng/ml	100
[illegible]	~~#Aroclor-1016(3)~~	15.97	1917	231528	59.69	ng/ml	100
[illegible]	~~#Aroclor-1016(4)~~	16.40	1968	14587	10.01	ng/ml	100
37)	~~#Aroclor-1016(5)~~	18.55	2226	498003	241.67	ng/ml	100
[illegible]	~~#Aroclor-1221(2)~~	10.21	1309	276307	421.25	ng/ml	100
[illegible]	~~#Aroclor-1232(2)~~	13.84	1661	28985	28.15	ng/ml	100
42)	~~#Aroclor-1232(3)~~	15.97	1917	231528	148.21	ng/ml	100
43)	~~#Aroclor-1242(2)~~	13.84	1661	28985	14.59	ng/ml	100
[illegible]	~~#Aroclor-1242(3)~~	15.97	1917	231528	75.09	ng/ml	100
[illegible]	~~#Aroclor-1242(4)~~	16.40	1968	14587	12.76	ng/ml	100
46)	~~#Aroclor-1242(5)~~	17.45	2094	974983	1232.22	ng/ml	100
[illegible]	~~#Aroclor-1248(2)~~	15.97	1917	231528	88.63	ng/ml	100
[illegible]	~~#Aroclor-1248(3)~~	18.55	2226	498003	202.14	ng/ml	100

NT

NP

Ehrich
2/13/96

Operator ID: TRFI2 Quant Rev: 7 Quant Time: 960712 13:25
Output File: 0424[illegible]:GQ Injected at: 960710 22:23
Data File: >0424[illegible]:G1 Dilution Factor: 1.00000
Name: 238552 10XDL Instrument ID: GC04
Misc: DB1701, 30M x .53mm GC58903 [illegible] inj.

[illegible] File: IDCAP2::GC
Title: Capillary Column DB1701
Last Calibration: 941029 10:07 Last Qcal Time: 960701 21:23

	Compound	R.T.	Scan#	Area	Conc	Units	q
49)	~~#Aroclor-1248(4)~~ NP	18.98	2277	270909	153.46	ng/ml	100
[illegible])	~~#Aroclor-1248(5)~~ NP	20.29	2435	1580235	1646.42	ng/ml	100
[illegible])	#Aroclor-1254(2)	20.29	2435	1579074	776.66	ng/ml	100
52)	#Aroclor-1254(3)	21.11	2535	1712110	933.53	ng/ml	100
[illegible])	#Aroclor-1254(4)	23.07	2768	2763644	1083.91	ng/ml	100
[illegible])	#Aroclor-1254(5)	23.76	2851	1423405	1049.31	ng/ml	100
55)	~~#Aroclor-1260(2)~~ NP	24.87	2984	1612448	593.88	ng/ml	100
56)	~~#Aroclor-1260(3)~~ NP	28.42	3410	890386	501.67	ng/ml	100
[illegible])	~~#Aroclor-1260(4)~~ NP	30.01	3601	662789	168.58	ng/ml	100
[illegible])	~~#Aroclor-1260(5)~~ NP	31.99	3839	437959	176.35	ng/ml	100

Compound uses ESTD

EPrice
7/13/96

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS8

Lab Name: ICM Contract:

Lab Code: ICM Case No.: SAS No.: SDG No.: RIN1A

Matrix: (soil/water) SOIL Lab Sample ID: 238554

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 03431

% Moisture: 12. decanted: (Y/N) N Date Received: 06/28/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 07/03/96

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 07/22/96

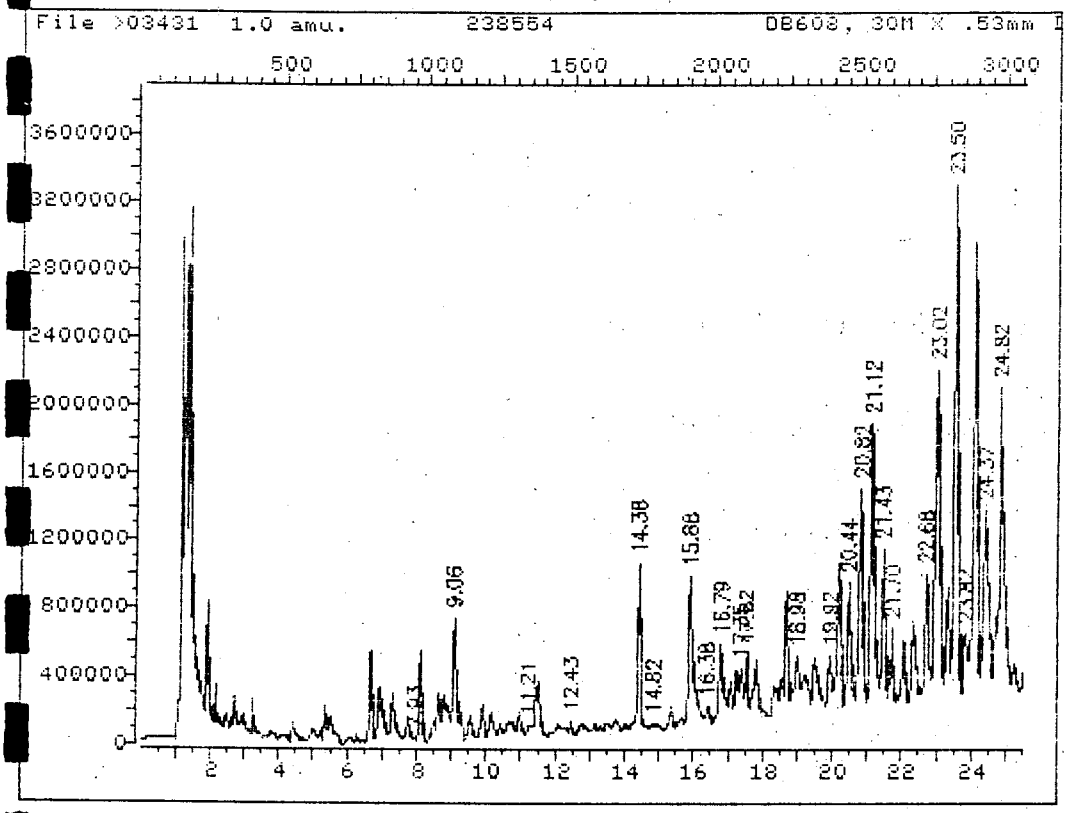
Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.8 Sulfur Cleanup: (Y/N) N

Use these data

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg		Q
319-84-6	alpha-BHC		1.9	U
319-85-7	beta-BHC		1.9	U
319-86-8	delta-BHC		1.9	U
58-89-9	gamma-BHC (Lindane)		1.9	U
76-44-8	Heptachlor		1.9	U
309-00-2	Aldrin		1.9	U
1024-57-3	Heptachlor epoxide		1.9	U
959-98-8	Endosulfan I		1.9	U
60-57-1	Dieldrin		3.7	U
72-55-9	4,4'-DDE		3.7	U
72-20-8	Endrin		3.7	U
33213-65-9	Endosulfan II		3.7	U
72-54-8	4,4'-DDD		3.7	U
1031-07-8	Endosulfan Sulfate		3.7	U
50-29-3	4,4'-DDT		3.7	U
72-43-5	Methoxychlor		19.	U
53494-70-5	Endrin ketone		3.7	U
7421-93-4	Endrin aldehyde		3.7	U
5103-71-9	alpha-Chlordane		1.9	U
5103-74-2	gamma-Chlordane		1.9	U
8001-35-2	Toxaphene		190.	U
12674-11-2	Aroclor-1016		37.	U
11104-28-2	Aroclor-1221		76.	U
11141-16-5	Aroclor-1232		37.	U
53469-21-9	Aroclor-1242		37.	U
12672-29-6	Aroclor-1248		37.	U
11097-69-1	Aroclor-1254	1600	~~1000.~~	D*
11096-82-5	Aroclor-1260		37.	U

D*. Value transferred from diluted analysis SS8 DL 5 x DIF.

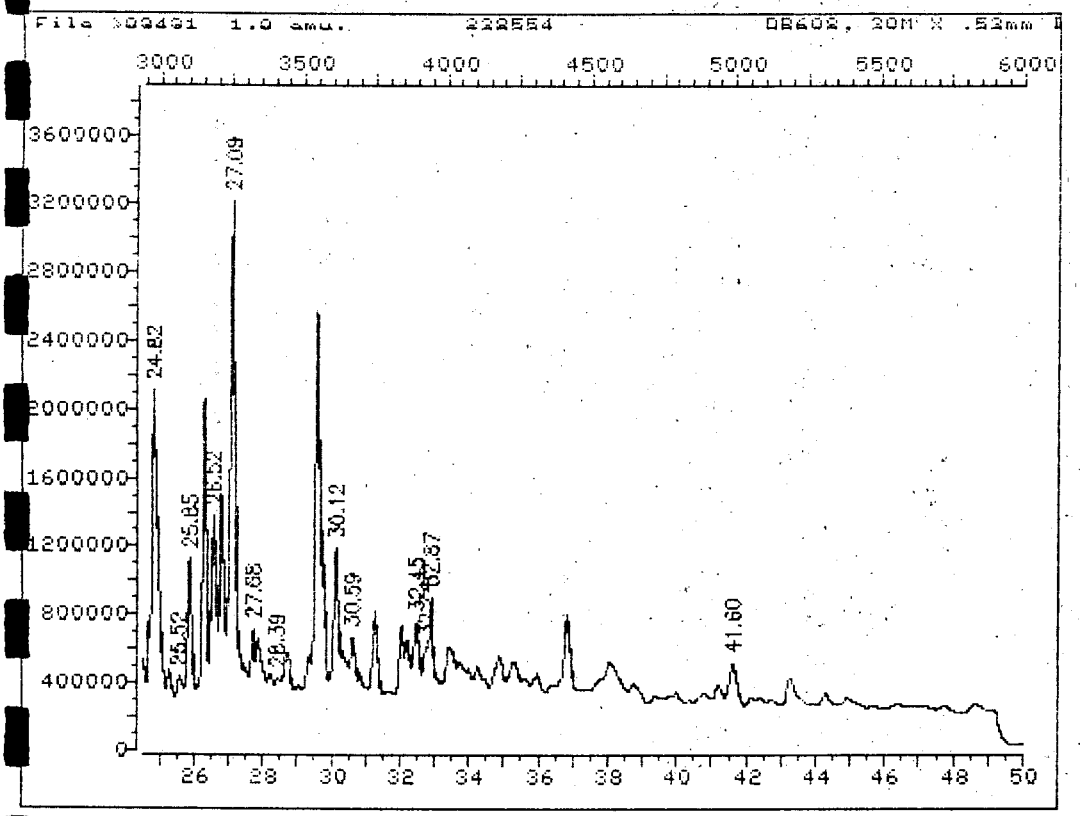


Data File: >03431::G2 Quant Output File: ^03431::GQ
Name: 238554 Instrument ID: GC03
Misc: DB608, 30M X .53mm INST 58903, 1ul INJ

Id File: IDCAP5::SC
Title: Capillary Column DB 608
Last Calibration: 941029 10:07 Last Qcal Time: 960713 22:00

Operator ID: TRFI2
Quant Time : 960722 15:53
Injected at: 960722 14:42

Page 1 of 2

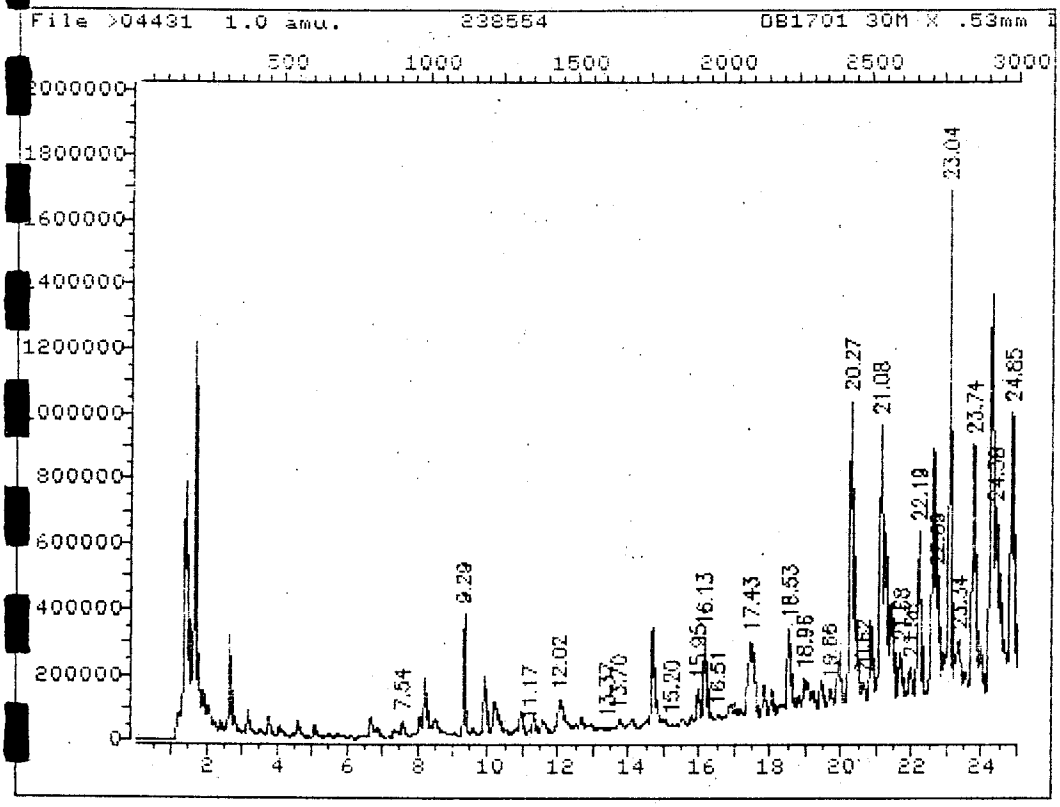


Data File: >03431::G2 Quant Output File: ^03431::GQ
Name: 238554 Instrument ID: GC03
Misc: DB608. 30M X .53mm INST 58903, 1ul INJ

Id File: IDCAP5::SC
Title: Capillary Column DB 608
Last Calibration: 941029 10:07 Last Qcal Time: 960713 22:00

Operator ID: TRFI2
Quant Time : 960722 15:53
Injected at: 960722 14:42

Page 2 of 2



Data File: >04431::G4 Quant Output File: ^04431::GQ
Name: 238554 Instrument ID: GC04
Misc: DB1701 30M X .53mm INST 58903, 1ul INJ

Id File: IDCAP6::SC
Title: Capillary Column DB1701
Last Calibration: 941029 10:07 Last Qcal Time: 960713 22:00

Operator ID: TRFI2
Quant Time : 960722 15:59
Injected at: 960722 14:43

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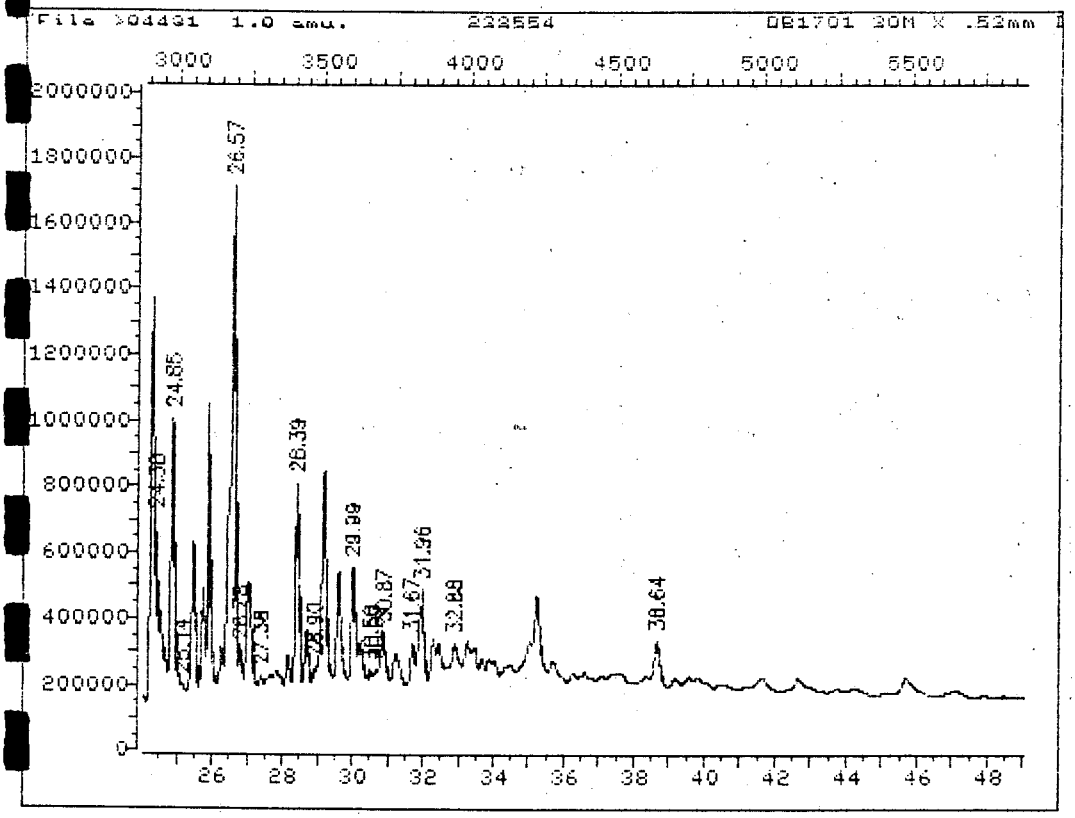

Data File: >04431::G4 Quant Output File: ^04431::GQ
Name: 238554 Instrument ID: GC04
Misc: DB1701 30M X .53mm INST 58903, 1ul INJ

Id File: IDCAP6::SC
Title: Capillary Column DB1701
Last Calibration: 941029 10:07 Last Qcal Time: 960713 22:00

Operator ID: TRFI2
Quant Time : 960722 15:59
Injected at: 960722 14:43

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QUANT REPORT

Operator ID: TRFI2 Quant Rev: 7 Quant Time: 960722 15:53
Output File: ^03431::GQ Injected at: 960722 14:42
Data File: >03431::G2 Dilution Factor: 1.00000
Name: 238554 Instrument ID: GC03
Misc: DB608, 30M X .53mm INST 58903, 1ul INJ

ID File: IDCAP5::SC
Title: Capillary Column DB 608
Last Calibration: 941029 10:07 Last Qcal Time: 960713 22:00

	Compound	R.T.	Scan#	Area	Conc	Units	q
1)	#Tetrachloro-m-xylene	9.06	1087	3372638	28.19	ng/ml	100
2)	~~#alpha-BHC~~	12.43	1492	590540	3.96	ng/ml	100
3)	~~#beta-BHC~~	14.82	1778	146215	1.79	ng/ml	100
4)	~~#delta-BHC~~	16.38	1966	624082	4.85	ng/ml	100
5)	~~#gamma-BHC (Lindane)~~	14.38	1726	6126718	44.22	ng/ml	100
6)	#~~Heptachl~~or	15.88	1906	5754217	54.77	ng/ml	100
7)	~~#Aldrin~~	17.35	2082	1468030	11.00	ng/ml	100
8)	~~#Heptachlor epoxide~~	19.92	2390	1801462	14.43	ng/ml	100
9)	~~#Endosulfan I~~	21.70	2604	3232331	30.45	ng/ml	100
10)	~~#Dieldrin~~	23.02	2762	17090368	181.16	ng/ml	100
11)	~~#4,4'-DDE~~	22.68	2722	5300931	57.41	ng/ml	100
12)	~~#Endrin~~	24.82	2978	18528880	211.99	ng/ml	100
13)	~~#Endosulfan II~~	25.85	3102	5523622	55.82	ng/ml	100
14)	~~#4,4'-DDD~~	25.52	3062	1297786	21.02	ng/ml	100
15)	#Endosulfan Sulfate	28.39	3406	222104	2.53	ng/ml	100
16)	~~#4,4'-DDT~~	27.09	3250	20297988	298.80	ng/ml	100
17)	~~#Methoxychlor~~	32.45	3894	3904930	98.15	ng/ml	100
18)	~~#Endrin ketone~~	32.74	3928	1234804	13.32	ng/ml	100
19)	#Decachlorobiphenyl	41.60	4992	3749101	32.43	ng/ml	100
20)	~~#alpha-Chlordane~~ NT	21.43	2572	5281588	43.83	ng/ml	100
21)	~~#gamma-Chlordane~~ NT	20.82	2498	8436356	69.77	ng/ml	100
22)	~~#Toxaphene(1)~~ NP	23.82	2858	3364928	2105.95	ng/ml	100
23)	~~#Aroclor-1016(1)~~ NP	12.43	1492	590540	206.71	ng/ml	100
24)	~~#Aroclor-1221(1)~~ NP	7.93	952	24279	28.24	ng/ml	100
25)	~~#Aroclor-1232(1)~~ NP	12.43	1492	590540	219.41	ng/ml	100
26)	~~#Aroclor-1242(1)~~ NP	12.43	1492	590540	243.37	ng/ml	100
27)	~~#Aroclor-1248(1)~~ NP	15.88	1906	5754217	763.82	ng/ml	100
28)	#Aroclor-1254(1)	20.82	2498	8436356	1695.77	ng/ml	100
29)	~~#Aroclor-1260(1)~~ NP	24.37	2924	8409072	1313.53	ng/ml	100
30)	~~#Endrin aldehyde~~ NT	27.68	3321	2293566	28.35	ng/ml	100
31)	~~#Toxaphene(2)~~	27.68	3321	2284044	1366.44	ng/ml	100
32)	~~#Toxaphene(3)~~ NP	28.39	3406	222104	104.72	ng/ml	100
33)	~~#Toxaphene(4)~~	30.59	3670	1956020	1001.35	ng/ml	100
34)	~~#Aroclor-1016(2)~~	14.38	1726	6126718	1055.16	ng/ml	100
35)	~~#Aroclor-1016(3)~~	15.88	1906	5754217	514.93	ng/ml	100
36)	~~#Aroclor-1016(4)~~ NP	16.79	2015	3537308	918.89	ng/ml	100
37)	~~#Aroclor-1016(5)~~	18.98	2278	1948301	576.02	ng/ml	100
38)	~~#Aroclor-1221(2)~~ NP	11.21	1345	356950	219.65	ng/ml	100
39)	~~#Aroclor-1221(3)~~ NP	12.43	1492	590540	159.30	ng/ml	100
40)	~~#Aroclor-1232(2)~~ NP	14.38	1726	6126718	2182.40	ng/ml	100

E Bruce
7/23/96

Operator ID: TRFI2 Quant Rev: 7 Quant Time: 960722 15:53
Output File: ^03431::GQ Injected at: 960722 14:42
Data File: >03431::G2 Dilution Factor: 1.00000
Name: 238554 Instrument ID: GC03
Misc: DB608, 30M X .53mm INST 58903, 1ul INJ

ID File: IDCAP5::SC
Title: Capillary Column DB 608
Last Calibration: 941029 10:07 Last Qcal Time: 960713 22:00

	Compound	R.T.	Scan#	Area	Conc	Units	q
4[illegible])	#~~Aroclor-1232(3)~~ UP	15.88	1906	5754217	1232.92	ng/ml	100
4[illegible])	#~~Aroclor-1232(4)~~ UP	16.79	2015	3537308	2024.04	ng/ml	100
43)	#~~Aroclor-1242(2)~~	14.38	1726	6126718	1323.53	ng/ml	100
4[illegible])	#~~Aroclor-1242(3)~~	15.88	1906	5754217	648.88	ng/ml	100
4[illegible])	#~~Aroclor-1242(4)~~ UP	16.79	2015	3537308	1068.51	ng/ml	100
46)	#~~Aroclor-1242(5)~~	18.98	2278	1948301	666.02	ng/ml	100
47)	#~~Aroclor-1248(2)~~	17.52	2102	2237707	700.82	ng/ml	100
4[illegible])	#~~Aroclor-1248(3)~~	18.98	2278	1948301	473.39	ng/ml	100
4[illegible])	#~~Aroclor-1248(4)~~ UP	20.44	2453	5051725	1229.76	ng/ml	100
50)	#~~Aroclor-1248(5)~~	21.70	2604	3232331	738.05	ng/ml	100
5[illegible])	#Aroclor-1254(2)	21.12	2534	11795850	2010.37	ng/ml	100
5[illegible])	#Aroclor-1254(3)	22.68	2722	5300931	2869.76	ng/ml	100
53)	#Aroclor-1254(4)	23.50	2820	19790668	3062.20	ng/ml	100
54)	#Aroclor-1254(5)	24.82	2978	18171000	4972.23	ng/ml	100
5[illegible])	#~~Aroclor-1260(2)~~	24.82	2978	18171000	2550.60	ng/ml	100
56)	#~~Aroclor-1260(3)~~	26.52	3182	7776635	1689.31	ng/ml	100
57)	#~~Aroclor-1260(4)~~ UP	30.12	3614	6157731	562.20	ng/ml	100
5[illegible])	#~~Aroclor-1260(5)~~	32.87	3944	4514223	915.72	ng/ml	100

Compound uses ESTD

EPrice
7/23/96

QUANT REPORT

Operator ID: TRFI2 Quant Rev: 7 Quant Time: 960722 15:59
Output File: ^04431::GQ Injected at: 960722 14:43
Data File: >04431::G4 Dilution Factor: 1.00000
Name: 238554 Instrument ID: GC04
Misc: DB1701 30M X .53mm INST 58903, 1ul INJ

ID File: IDCAP6::SC
Title: Capillary Column DB1701
Last Calibration: 941029 10:07 Last Qcal Time: 960713 22:00

	Compound	R.T.	Scan#	Area	Conc	Units	q
1)	#Tetrachloro-m-xylene	9.29	1115	2101711	51.37	ng/ml	100
2)	~~#alpha-BHC~~	13.37	1604	30827	.947	ng/ml	100
3)	~~#beta-BHC~~	18.53	2224	1582838	63.08	ng/ml	100
4)	~~#delta-BHC~~	19.66	2359	354645	13.52	ng/ml	100
5)	~~#gamma-BHC (Lindane)~~	15.20	1824	18375	.540	ng/ml	100
6)	~~#Heptachlor~~	16.13	1936	1443774	30.86	ng/ml	100
7)	~~#Aldrin~~	17.43	2092	1771426	47.31	ng/ml	100
8)	~~#Heptachlor epoxide~~	20.62	2474	304553	7.05	ng/ml	100
9)	~~#Endosulfan I~~	21.68	2602	881894	25.27	ng/ml	100
10)	~~#Dieldrin~~	23.34	2801	1170092	36.46	ng/ml	100
11)	~~#4,4'-DDE~~	22.69	2723	1700244	60.04	ng/ml	100
12)	~~#Endrin~~	24.38	2925	2607234	89.79	ng/ml	100
13)	~~#Endosulfan II~~	26.78	3213	521584	15.24	ng/ml	100
14)	~~#4,4'-DDD~~	26.57	3188	11106126	577.78	ng/ml	100
15)	~~#Endosulfan Sulfate~~	30.67	3680	64425	2.35	ng/ml	100
16)	~~#4,4'-DDT~~	27.38	3285	278199	15.92	ng/ml	100
17)	~~#Methoxychlor~~	30.87	3704	1384253	103.41	ng/ml	100
18)	~~#Endrin ketone~~	32.88	3945	650974	20.52	ng/ml	100
19)	#Decachlorobiphenyl	38.64	4637	1581908	34.49	ng/ml	100
20)	~~#alpha-Chlordane~~ NT	22.19	2663	3037124	72.90	ng/ml	100
21)	~~#gamma-Chlordane~~ NT	21.96	2635	471392	11.76	ng/ml	100
22)	~~#Toxaphene(1)~~ NP	25.14	3016	106684	192.73	ng/ml	100
23)	~~#Aroclor-1016(1)~~ NP	12.02	1443	1099516	907.68	ng/ml	100
24)	~~#Aroclor-1221(1)~~ NP	7.54	905	281803	368.65	ng/ml	100
25)	~~#Aroclor-1232(1)~~ NP	7.54	905	281803	255.29	ng/ml	100
26)	~~#Aroclor-1242(1)~~ NP	12.02	1443	1099516	1070.29	ng/ml	100
27)	~~#Aroclor-1248(1)~~ NP	13.70	1644	178723	173.87	ng/ml	100
28)	#Aroclor-1254(1)	17.43	2092	1771426	1117.22	ng/ml	100
29)	~~#Aroclor-1260(1)~~ NP	23.74	2849	4919538	1982.46	ng/ml	100
30)	~~#Endrin aldehyde~~ NT	28.90	3468	291057	9.05	ng/ml	100
31)	~~#Toxaphene(2)~~	28.39	3406	4207189	6213.32	ng/ml	100
32)	~~#Toxaphene(3)~~ NP	30.50	3660	196300	363.93	ng/ml	100
33)	~~#Toxaphene(4)~~	31.67	3800	946994	1827.14	ng/ml	100
34)	~~#Aroclor-1016(2)~~	13.70	1644	178723	72.35	ng/ml	100
35)	~~#Aroclor-1016(3)~~ NP	15.95	1914	589135	146.60	ng/ml	100
36)	~~#Aroclor-1016(4)~~	16.51	1981	56728	38.19	ng/ml	100
37)	~~#Aroclor-1016(5)~~	18.53	2224	1573521	805.29	ng/ml	100
38)	~~#Aroclor-1221(2)~~ NP	11.17	1341	51668	79.27	ng/ml	100
39)	~~#Aroclor-1221(3)~~ NP	12.02	1443	1099516	648.44	ng/ml	100
40)	~~#Aroclor-1232(2)~~ NP	12.02	1443	1099516	968.32	ng/ml	100

EPW
7/23/96

QUANT REPORT

Operator ID: TRFI2 Quant Rev: 7 Quant Time: 960722 15:59
Output File: ^04431::GQ Injected at: 960722 14:43
Data File: >04431::G4 Dilution Factor: 1.00000
Name: 238554 Instrument ID: GC04
Misc: DB1701 30M X .53mm INST 58903. 1ul INJ

ID File: IDCAP6::SC
Title: Capillary Column DB1701
Last Calibration: 941029 10:07 Last Qcal Time: 960713 22:00

	Compound	R.T.	Scan#	Area	Conc	Units	q
[illegible])	~~#Aroclor-1232(3)~~ NP	13.70	1644	178723	179.08	ng/ml	100
[illegible])	~~#Aroclor-1232(4)~~ NP	15.95	1914	589135	361.87	ng/ml	100
43)	~~#Aroclor-1242(2)~~	13.70	1644	178723	92.43	ng/ml	100
[illegible])	~~#Aroclor-1242(3)~~	15.95	1914	589135	186.88	ng/ml	100
[illegible])	~~#Aroclor-1242(4)~~ NP	16.51	1981	56728	49.57	ng/ml	100
46)	~~#Aroclor-1242(5)~~	17.43	2092	1771426	2072.26	ng/ml	100
47)	~~#Aroclor-1248(2)~~	15.95	1914	589135	218.12	ng/ml	100
[illegible])	~~#Aroclor-1248(3)~~	18.53	2224	1573521	650.08	ng/ml	100
[illegible])	~~#Aroclor-1248(4)~~ NP	18.96	2275	453171	247.98	ng/ml	100
50)	~~#Aroclor-1248(5)~~	20.27	2432	6099752	5346.91	ng/ml	100
[illegible])	#Aroclor-1254(2)	20.27	2432	6099752	2838.76	ng/ml	100
[illegible])	#Aroclor-1254(3)	21.08	2530	4753026	2586.53	ng/ml	100
53)	#Aroclor-1254(4)	23.04	2765	9173210	3531.08	ng/ml	100
[illegible])	#Aroclor-1254(5)	23.74	2849	4919538	3458.64	ng/ml	100
[illegible])	~~#Aroclor-1260(2)~~ NP	24.85	2982	5707480	1999.38	ng/ml	100
56)	~~#Aroclor-1260(3)~~ NP	28.39	3406	4207189	2529.77	ng/ml	100
57)	~~#Aroclor-1260(4)~~ NP	29.99	3598	2475768	578.78	ng/ml	100
[illegible])	~~#Aroclor-1260(5)~~ NP	31.96	3835	3222334	1169.05	ng/ml	100

Compound uses ESTD

EPrice
2/23/96

1D

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS8 DL

Lab Name: ICM Contract:

Lab Code: ICM Case No.: SAS No.: SDG No.: RIN1A

Matrix: (soil/water) SOIL Lab Sample ID: 238554

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 03236

% Moisture: 12. decanted: (Y/N) N Date Received: 06/28/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 07/03/96

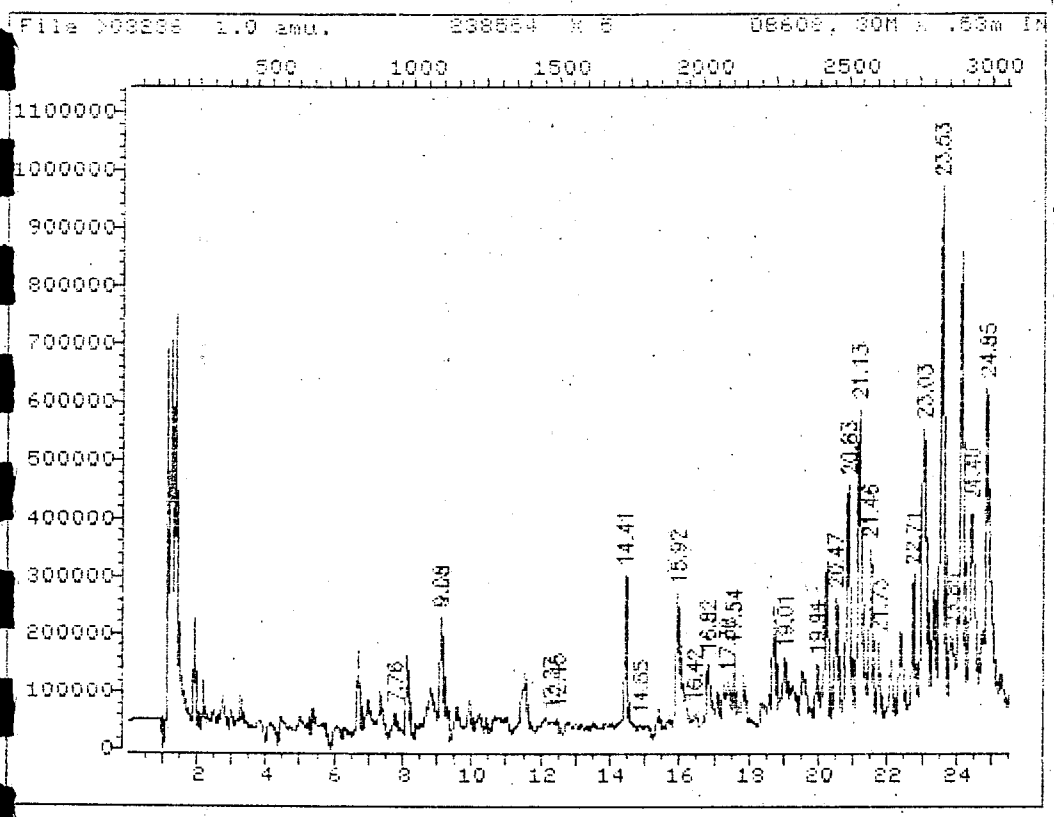
Concentrated Extract Volume: 5000 (uL) Date Analyzed: 07/10/96

Injection Volume: 1.0 (uL) Dilution Factor: 5.0

GPC Cleanup: (Y/N) Y pH: 7.8 Sulfur Cleanup: (Y/N) N

Do not use these data.

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
319-84-6	alpha-BHC	9.6	U
319-85-7	beta-BHC	9.6	U
319-86-8	delta-BHC	9.6	U
58-89-9	gamma-BHC (Lindane)	9.6	U
76-44-8	Heptachlor	9.6	U
309-00-2	Aldrin	9.6	U
1024-57-3	Heptachlor epoxide	9.6	U
959-98-8	Endosulfan I	9.6	U
60-57-1	Dieldrin	19.	U
72-55-9	4,4'-DDE	19.	U
72-20-8	Endrin	19.	U
33213-65-9	Endosulfan II	19.	U
72-54-8	4,4'-DDD	19.	U
1031-07-8	Endosulfan Sulfate	19.	U
50-29-3	4,4'-DDT	19.	U
72-43-5	Methoxychlor	96.	U
53494-70-5	Endrin ketone	19.	U
7421-93-4	Endrin aldehyde	19.	U
5103-71-9	alpha-Chlordane	9.6	U
5103-74-2	gamma-Chlordane	9.6	U
8001-35-2	Toxaphene	960.	U
12674-11-2	Aroclor-1016	190.	U
11104-28-2	Aroclor-1221	380.	U
11141-16-5	Aroclor-1232	190.	U
53469-21-9	Aroclor-1242	190.	U
12672-29-6	Aroclor-1248	190.	U
11097-69-1	Aroclor-1254	1600.	D
11096-82-5	Aroclor-1260	190.	U



Data File: >03236::G3 Quant Output File: ^03236::F3
Name: 238554 X 5 Instrument ID: GC03
Misc: DB608, 30M X .53m INST 58903, 1ul INJ

Id File: IDCAP1::SC
Title: Capillary Column DB 608
Last Calibration: 941029 10:07 Last Qcal Time: 960702 00:13

Operator ID: TRFIL
Quant Time : 960710 08:23
Injected at: 960710 07:26

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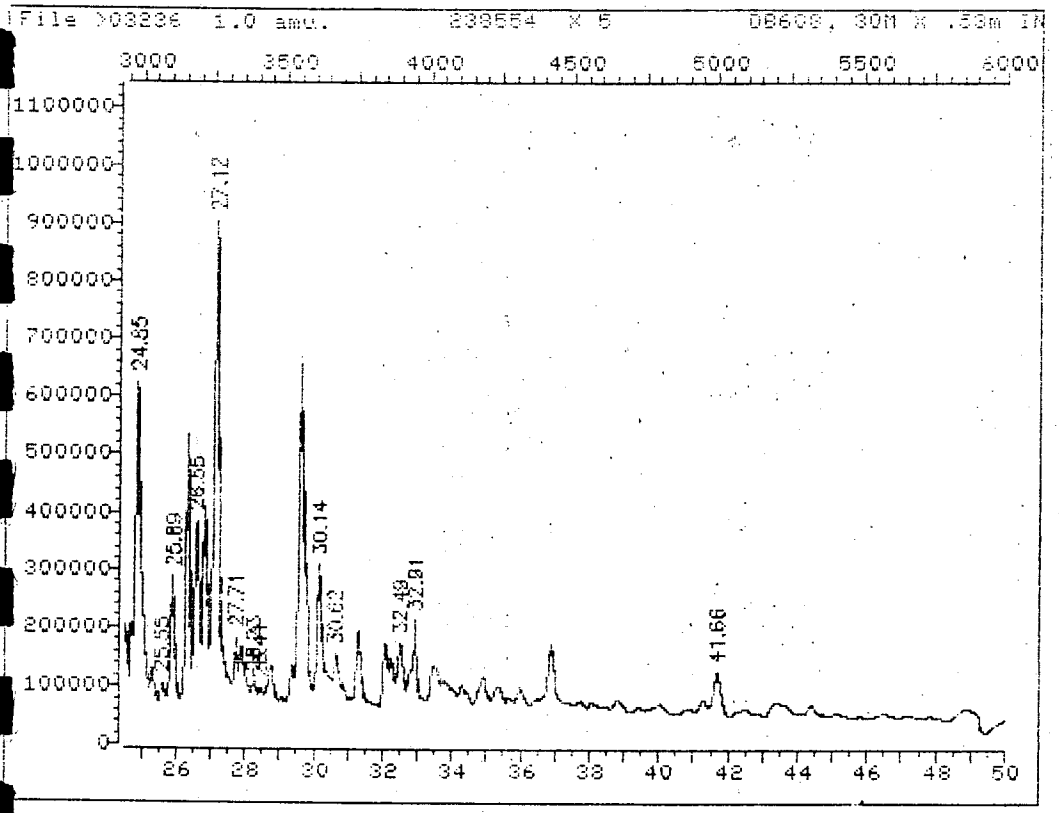

Data File: >03236::G3 Quant Output File: ^03236::F3
Name: 238554 X 5 Instrument ID: GC03
Misc: DB608, 30M X .53m INST 58903, 1ul INJ

Id File: IDCAP1::SC
Title: Capillary Column DB 608
Last Calibration: 941029 10:07 Last Qcal Time: 960702 00:13

Operator ID: TRFIL
Quant Time : 960710 08:23
Injected at: 960710 07:26

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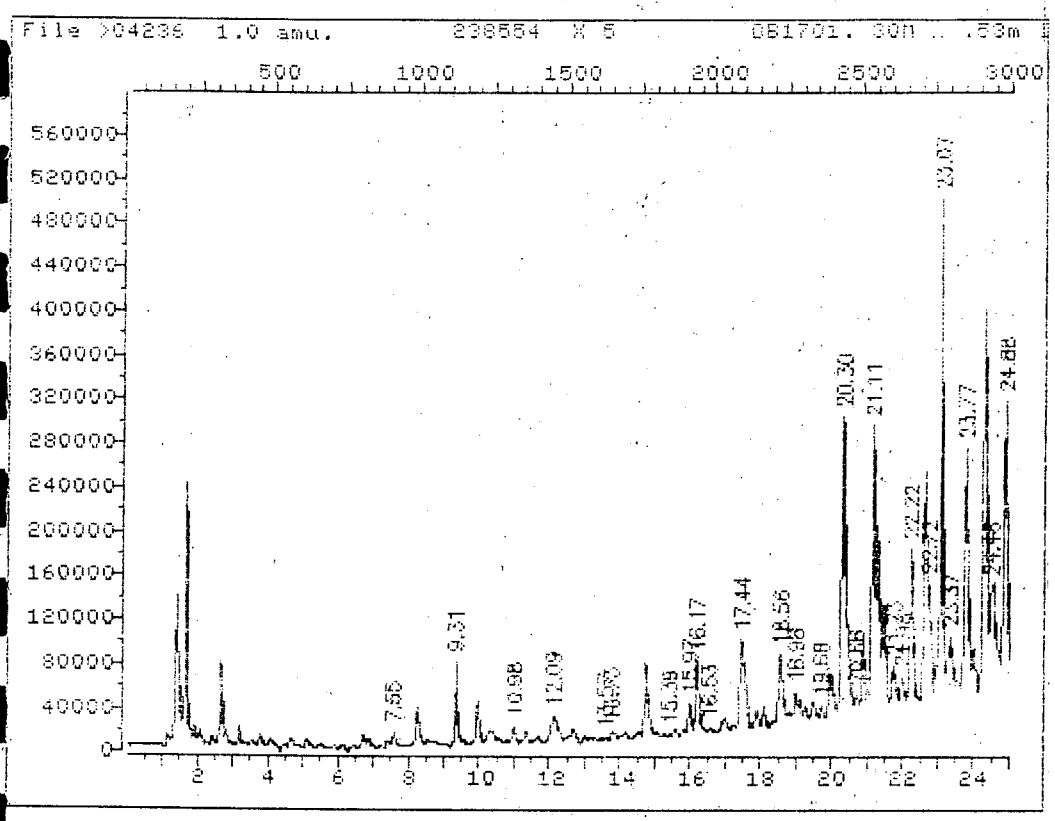

Data File: >04236::G1 Quant Output File: ^04236::F3
Name: 238554 X 5 Instrument ID: GC04
Misc: DB1701. 30M X .53m INST 58903, 1ul INJ

Id File: IDCAP2::SC
Title: Capillary Column DB1701
Last Calibration: 941029 10:07 Last Ocal Time: 960701 21:23

Operator ID: TRFIL
Quant Time : 960710 08:20
Injected at: 960710 07:26

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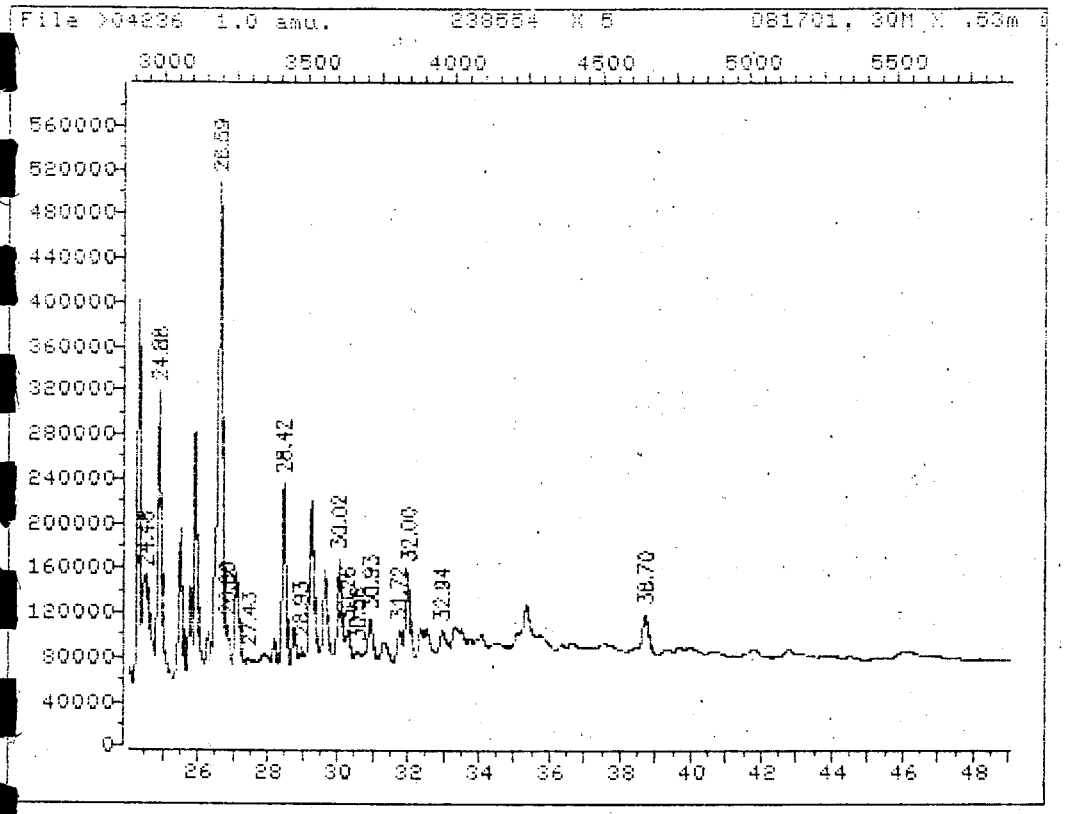

Data File: >04236::G1 Quant Output File: ^04236::F3
Name: 238554 X 5 Instrument ID: GC04
Misc: DB1701, 30M X .53m INST 58903, 1ul INJ

Id File: IDCAP2::SC
Title: Capillary Column DB1701
Last Calibration: 941029 10:07 Last Qcal Time: 960701 21:23

Operator ID: TRFIL
Quant Time : 960710 08:20
Injected at: 960710 07:26

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QUANT REPORT

Operator ID: TRFIL
Output File: ^03236::F3
Data File: ^03236::G3
Name: 238554 X 5
Misc: DB608, 30M X .53m INST 58903, 1ul INJ

Quant Rev: 7
Quant Time: 960710 08:23
Injected at: 960710 07:26
Dilution Factor: 1.00000
Instrument ID: GC03

SS80L

ID File: IDCAP1::SC
Title: Capillary Column DB 608
Last Calibration: 941029 10:07
Last Qcal Time: 960702 00:13

	Compound	R.T.	Scan#	Area	Conc	Units	q
1)	#Tetrachloro-m-xylene	9.08	1090	1000728	8.00	ng/ml	100
2)	~~#alpha-BHC~~	12.45	1494	215008	1.45	ng/ml	100
3)	~~#beta-BHC~~	14.85	1782	45519	.555	ng/ml	100
4)	~~#delta-BHC~~	16.42	1970	172792	1.43	ng/ml	100
5)	~~#gamma-BHC (Lindane)~~	14.41	1729	1855937	13.58	ng/ml	100
6)	~~#Heptachlor~~	15.92	1910	1513649	19.40	ng/ml	100
7)	~~#Aldrin~~	17.38	2085	432140	3.21	ng/ml	100
8)	~~#Heptachlor epoxide~~	19.94	2393	526824	4.80	ng/ml	100
9)	~~#Endosulfan I~~	21.73	2607	951716	7.81	ng/ml	100
10)	~~#Dieldrin~~	23.03	2763	4633105	49.00	ng/ml	100
11)	~~#4,4' DDE~~	22.71	2725	1682710	18.39	ng/ml	100
12)	~~#Endrin~~	24.85	2982	5389626	62.97	ng/ml	100
13)	~~#Endosulfan II~~	25.89	3106	1527042	15.86	ng/ml	100
14)	~~#4,4' DDD~~	25.55	3066	159580	2.77	ng/ml	100
15)	~~#Endosulfan Sulfate~~	28.41	3409	50098	.565	ng/ml	100
16)	~~#4,4'-DDT~~	27.12	3254	5824905	89.87	ng/ml	100
17)	~~#Methoxychlor~~	32.49	3898	1002026	25.81	ng/ml	100
18)	~~#Endrin ketone~~	32.91	3949	1429514	15.88	ng/ml	100
19)	#Decachlorobiphenyl	41.66	4999	1104954	9.23	ng/ml	100
20)	~~#alpha-Chlordane~~ NT	21.46	2575	1695374	12.35	ng/ml	100
21)	~~#gamma-Chlordane~~ NT	20.83	2500	2671069	22.67	ng/ml	100
22)	~~#Toxaphene(1)~~ NP	23.85	2862	965844	602.25	ng/ml	100
23)	~~#Aroclor 1016(1)~~ NP	12.27	1472	118315	40.25	ng/ml	100
24)	~~#Aroclor 1221(1)~~ NP	7.76	931	444047	523.61	ng/ml	100
25)	~~#Aroclor 1232(1)~~ NP	12.27	1472	118315	41.30	ng/ml	100
26)	~~#Aroclor 1242(1)~~ NP	12.27	1472	118315	45.36	ng/ml	100
27)	~~#Aroclor 1248(1)~~ NP	15.92	1910	1529666	202.14	ng/ml	100
28)	#Aroclor-1254(1)	20.83	2500	2671069	563.34	ng/ml	100
29)	~~#Aroclor 1260(1)~~ NP	24.40	2928	2586352	333.63	ng/ml	100
30)	~~#Endrin aldehyde~~ NT	27.71	3325	610139	7.74	ng/ml	100
31)	~~#Toxaphene(2)~~ NP	27.71	3325	584394	317.58	ng/ml	100
32)	~~#Toxaphene(3)~~ NP	28.23	3387	129970	52.00	ng/ml	100
33)	~~#Toxaphene(4)~~ NP	30.62	3674	435406	225.85	ng/ml	100
34)	~~#Aroclor 1016(2)~~ NP	14.41	1729	1855937	283.91	ng/ml	100
35)	~~#Aroclor 1016(3)~~ NP	15.92	1910	1529666	138.48	ng/ml	100
36)	~~#Aroclor 1016(4)~~ NP	16.82	2018	753381	201.73	ng/ml	100
37)	~~#Aroclor 1016(5)~~ NP	19.01	2281	628565	185.00	ng/ml	100
38)	~~#Aroclor 1221(3)~~ NP	12.27	1472	118315	31.00	ng/ml	100
40)	~~#Aroclor 1232(2)~~ NP	14.41	1729	1855937	657.66	ng/ml	100
41)	~~#Aroclor 1232(3)~~ NP	15.92	1910	1529666	325.14	ng/ml	100

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QUANT REPORT

Operator ID: TRFIL Quant Rev: 7 Quant Time: 960710 08:23
Output File: ^03236::F3 Injected at: 960710 07:26
Data File: >03236::G3 Dilution Factor: 1.00000
Time: 238554 X 5 Instrument ID: GC05
Misc: DB608, 30M X .53m INST 58903, 1ul INJ

ID File: IDCAP1::SC
Title: Capillary Column DB 608
Last Calibration: 941029 10:07 Last Qual Time: 960702 00:13

	Compound	R.T.	Scan#	Area	Conc	Units	q
42)	~~#Aroclor-1232(4)~~ NP	16.82	2018	753381	437.57	ng/ml	100
43)	~~#Aroclor-1242(2)~~ NP	14.41	1729	1855937	344.82	ng/ml	100
44)	~~#Aroclor-1242(3)~~ NP	15.92	1910	1529666	171.62	ng/ml	100
45)	~~#Aroclor-1242(4)~~ NP	16.82	2018	753381	238.19	ng/ml	100
46)	~~#Aroclor-1242(5)~~ NP	19.01	2281	628565	210.30	ng/ml	100
47)	~~#Aroclor-1248(2)~~ NP	17.54	2105	766888	294.01	ng/ml	100
48)	~~#Aroclor-1248(3)~~ NP	19.01	2281	628565	151.37	ng/ml	100
49)	~~#Aroclor-1248(4)~~ NP	20.47	2456	1411025	291.23	ng/ml	100
50)	~~#Aroclor-1248(5)~~ NP	21.73	2607	951716	172.62	ng/ml	100
51)	#Aroclor-1254(2)	21.13	2536	3787989	683.52	ng/ml	100
52)	#Aroclor-1254(3)	22.71	2725	1682710	1043.61	ng/ml	100
53)	#Aroclor-1254(4)	23.53	2823	5864560	965.98	ng/ml	100
54)	#Aroclor-1254(5)	24.85	2982	5389626	1503.12	ng/ml	100
55)	~~#Aroclor-1260(2)~~ NP	24.85	2982	5389626	769.47	ng/ml	100
56)	~~#Aroclor-1260(3)~~ NP	26.55	3186	2284912	437.70	ng/ml	100
57)	~~#Aroclor-1260(4)~~ NP	30.14	3617	1681049	155.59	ng/ml	100
58)	~~#Aroclor-1260(5)~~ NP	32.91	3949	1429514	258.92	ng/ml	100

Compound uses ESTD

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7/10/96

QUANT REPORT

Operator ID: TRFIL Quant Rev: 7 Quant Time: 960710 08:20
Output File: ^04236::F3 Injected at: 960710 07:26
Data File: >04236::G1 Dilution Factor: 1.00000
Name: 238534 X 5 Instrument ID: GC04
Misc: DB1701. 30M X .53m INST 58903. 1ul INJ

Id File: IDCAP2::SC
Title: Capillary Column DB1701
Last Calibration: 941029 10:07 Last Scal Time: 960701 21:23

	Compound	R.T.	Scan#	Area	Conc	Units	q
1)	#Tetrachloro-m-xylene	9.31	1117	519235	12.54	ng/ml	100
2)	~~#alpha BHC~~ NT	13.57	1628	7416	.226	ng/ml	100
3)	~~#beta BHC~~	18.56	2227	492161	18.73	ng/ml	100
4)	~~#delta BHC~~	19.68	2362	57577	2.36	ng/ml	100
5)	~~#gamma BHC (Lindane)~~	15.39	1847	11319	.333	ng/ml	100
6)	~~#Heptachlor~~	16.17	1941	376692	7.94	ng/ml	100
7)	~~#Aldrin~~	17.44	2093	819495	21.76	ng/ml	100
8)	~~#Heptachlor epoxide~~	20.68	2481	38424	.880	ng/ml	100
9)	~~#Endosulfan~~ I NT	21.73	2608	218083	6.11	ng/ml	100
10)	~~#Dieldrin~~	23.37	2804	439589	13.54	ng/ml	100
11)	~~#4,4'-DDE~~	22.72	2726	496570	17.89	ng/ml	100
12)	~~#Endrin~~	24.48	2937	194918	6.72	ng/ml	100
13)	~~#Endosulfan II~~	26.80	3216	211064	5.90	ng/ml	100
14)	~~#4,4'-DDD~~	26.59	3191	3837824	181.62	ng/ml	100
15)	~~#Endosulfan Sulfate~~	30.56	3667	55283	2.09	ng/ml	100
16)	~~#4,4'-DDT~~	27.43	3291	47470	2.88	ng/ml	100
17)	~~#Methoxychlor~~	30.93	3711	342815	25.47	ng/ml	100
18)	~~#Endrin ketone~~	32.94	3953	193844	6.88	ng/ml	100
19)	#Decachlorobiphenyl	38.70	4644	427955	9.16	ng/ml	100
20)	~~#alpha Chlordane~~ NT	22.22	2666	856001	20.53	ng/ml	100
21)	~~#gamma-Chlordane~~ NT	21.98	2637	111129	2.78	ng/ml	100
23)	~~#Aroclor-1016(1)~~ NP	12.09	1451	310892	251.73	ng/ml	100
24)	~~#Aroclor-1221(1)~~ NP	7.55	906	74538	94.25	ng/ml	100
25)	~~#Aroclor-1232(1)~~ NP	7.55	906	74538	62.60	ng/ml	100
26)	~~#Aroclor-1242(1)~~ NP	12.09	1451	310892	293.85	ng/ml	100
27)	~~#Aroclor-1248(1)~~ NP	13.73	1648	65538	59.50	ng/ml	100
28)	#Aroclor-1254(1)	17.44	2093	815246	513.17	ng/ml	100
29)	~~#Aroclor-1260(1)~~ NP	23.77	2852	1438348	622.57	ng/ml	100
30)	~~#Endrin aldehyde~~ NT	28.93	3471	59035	1.94	ng/ml	100
31)	~~#Toxaphene(2)~~ NP	28.42	3410	1137660	1578.46	ng/ml	100
32)	~~#Toxaphene(3)~~ NP	30.26	3631	183783	372.88	ng/ml	100
33)	~~#Toxaphene(4)~~ NP	31.72	3806	233334	465.00	ng/ml	100
34)	~~#Aroclor-1016(2)~~ NP	13.73	1648	65538	26.81	ng/ml	100
35)	~~#Aroclor-1016(3)~~ NP	15.97	1917	144051	37.13	ng/ml	100
36)	~~#Aroclor-1016(4)~~ NP	16.53	1984	13747	9.44	ng/ml	100
37)	~~#Aroclor-1016(5)~~ NP	18.56	2227	460360	223.40	ng/ml	100
38)	~~#Aroclor-1221(2)~~ NP	10.98	1318	101717	155.08	ng/ml	100
39)	~~#Aroclor-1221(3)~~ NP	12.09	1451	310892	181.25	ng/ml	100
40)	~~#Aroclor-1232(2)~~ NP	12.09	1451	310892	265.38	ng/ml	100
41)	~~#Aroclor-1232(3)~~ NP	13.73	1648	65538	63.65	ng/ml	100

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7/10/96

QUANT REPORT

Operator ID: TRFIL Quant Rev: 7 Quant Time: 960710 08:20
Output File: ^04236::F3 Injected at: 960710 07:26
Data File: >04236::G1 Dilution Factor: 1.00000
Name: 158554 X 5 Instrument ID: GC04
Misc: DB1701, 30M X .53m INST 58903, 1ul INJ

ID File: IDCAP2::SC
Title: Capillary Column DB1701
Last Calibration: 941029 10:07 Last Qcal Time: 960701 21:23

	Compound	R.T.	Scan#	Area	Conc.	Units	q
42)	~~#Aroclor-1232(4)~~ NP	15.97	1917	144051	92.21	ng/ml	100
43)	~~#Aroclor-1242(2)~~ NP	13.73	1648	65538	32.99	ng/ml	100
44)	~~#Aroclor-1242(3)~~ NP	15.97	1917	144051	46.72	ng/ml	100
[illegible])	~~#Aroclor-1242(4)~~ NP	16.53	1984	13747	12.03	ng/ml	100
[illegible])	~~#Aroclor-1242(5)~~ NP	17.44	2093	817010	1032.57	ng/ml	100
47)	~~#Aroclor-1248(2)~~ NP	15.97	1917	144051	55.14	ng/ml	100
[illegible])	~~#Aroclor-1248(3)~~ NP	18.56	2227	460360	186.86	ng/ml	100
[illegible])	~~#Aroclor-1248(4)~~ NP	18.98	2277	136564	77.36	ng/ml	100
50)	~~#Aroclor-1248(5)~~ NP	20.30	2436	1797108	1872.38	ng/ml	100
[illegible])	#Aroclor-1254(2)	20.30	2436	1797108	883.90	ng/ml	100
[illegible])	#Aroclor-1254(3)	21.11	2533	1391963	758.97	ng/ml	100
53)	#Aroclor-1254(4)	23.07	2768	2932235	1150.03	ng/ml	100
54)	#Aroclor-1254(5)	23.77	2852	1438348	1060.53	ng/ml	100
[illegible])	~~#Aroclor-1260(2)~~ NP	24.88	2985	1957013	720.79	ng/ml	100
[illegible])	~~#Aroclor-1260(3)~~ NP	28.42	3410	1137660	640.99	ng/ml	100
57)	~~#Aroclor-1260(4)~~ NP	30.02	3602	666369	169.49	ng/ml	100
[illegible])	~~#Aroclor-1260(5)~~ NP	32.00	3840	843410	339.61	ng/ml	100

Compound uses ESTD

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1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS9

Lab Name: ICM Contract:

Lab Code: ICM Case No.: SAS No.: SDG No.: RIN1A

Matrix: (soil/water) SOIL Lab Sample ID: 238556

Sample wt/vol: 30.1 (g/mL) G Lab File ID: 03428

% Moisture: 11. decanted: (Y/N) N Date Received: 06/28/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 07/03/96

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 07/22/96

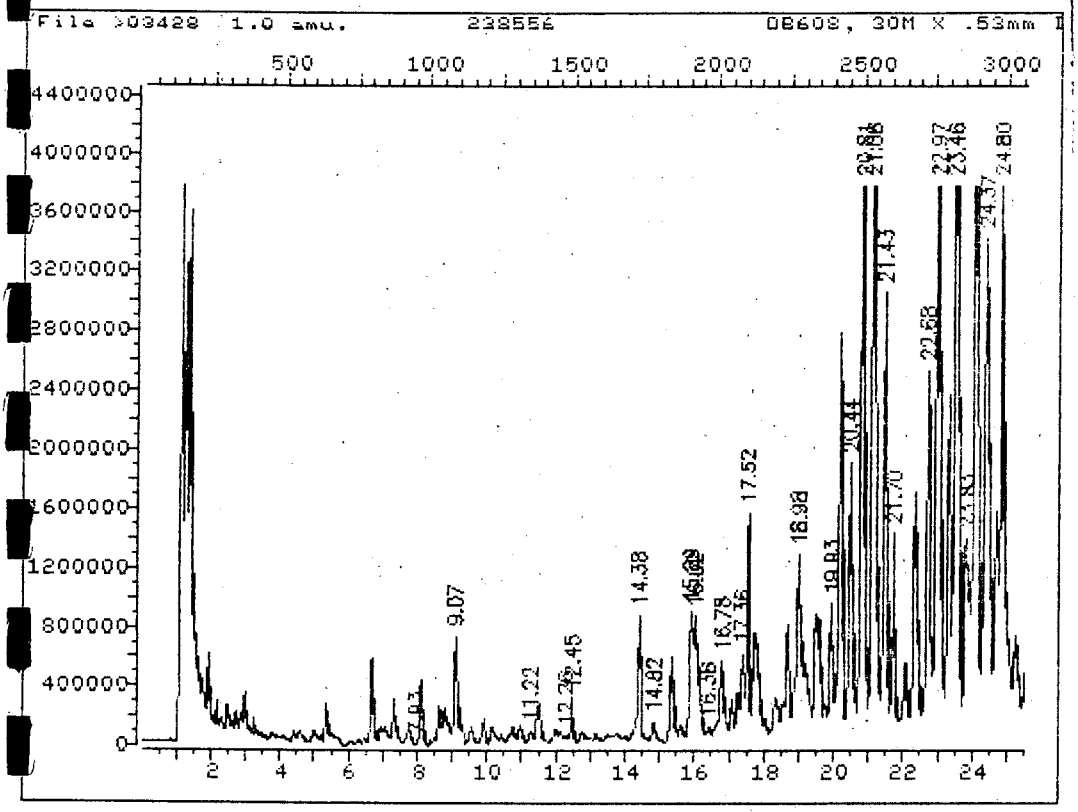
Injection Volume: 1.0 (uL) Dilution Factor: 1.0

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

Use these data.

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
319-84-6	alpha-BHC	1.9	U
319-85-7	beta-BHC	1.9	U
319-86-8	delta-BHC	1.9	U
58-89-9	gamma-BHC (Lindane)	1.9	U
76-44-8	Heptachlor	1.9	U
309-00-2	Aldrin	1.9	U
1024-57-3	Heptachlor epoxide	1.9	U
959-98-8	Endosulfan I	1.9	U
60-57-1	Dieldrin	3.7	U
72-55-9	4,4'-DDE	3.7	U
72-20-8	Endrin	3.7	U
33213-65-9	Endosulfan II	3.7	U
72-54-8	4,4'-DDD	3.7	U
1031-07-8	Endosulfan Sulfate	3.7	U
50-29-3	4,4'-DDT	3.7	U
72-43-5	Methoxychlor	19.	U
53494-70-5	Endrin ketone	3.7	U
7421-93-4	Endrin aldehyde	3.7	U
5103-71-9	alpha-Chlordane	1.9	U
5103-74-2	gamma-Chlordane	1.9	U
8001-35-2	Toxaphene	190.	U
12674-11-2	Aroclor-1016	37.	U
11104-28-2	Aroclor-1221	75.	U
11141-16-5	Aroclor-1232	37.	U
53469-21-9	Aroclor-1242	37.	U
12672-29-6	Aroclor-1248	37.	U
11097-69-1	Aroclor-1254	5400 ~~2400.~~	~~EPJ~~ D*
11096-82-5	Aroclor-1260	37.	U

D*. Value transferred from diluted analysis SS9DL 10 x D/F



Data File: >03428::G2 Quant Output File: ^03428::GQ
Name: 238556 Instrument ID: GC03
Misc: DB608, 30M X .53mm INST 58903, 1ul INJ

Id File: IDCAP5::SC
Title: Capillary Column DB 608
Last Calibration: 941029 10:07 Last Qcal Time: 960713 22:00

Operator ID: TRFI2
Quant Time : 960722 12:35
Injected at: 960722 11:42

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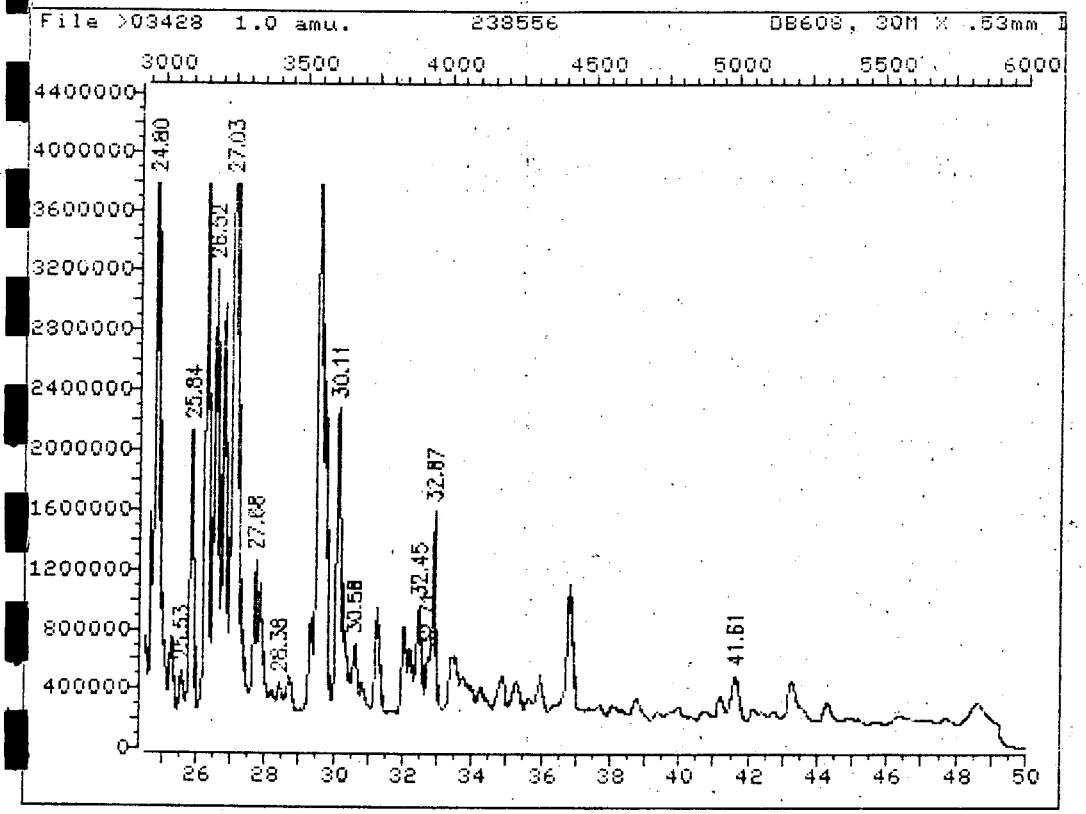

Data File: >03428::G2 Quant Output File: ^03428::GQ
Name: 238556 Instrument ID: GC03
Misc: DB608, 30M X .53mm INST 58903, 1ul INJ

Id File: IDCAP5::SC
Title: Capillary Column DB 608
Last Calibration: 941029 10:07 Last Qcal Time: 960713 22:00

Operator ID: TRFI2
Quant Time : 960722 12:35
Injected at: 960722 11:42

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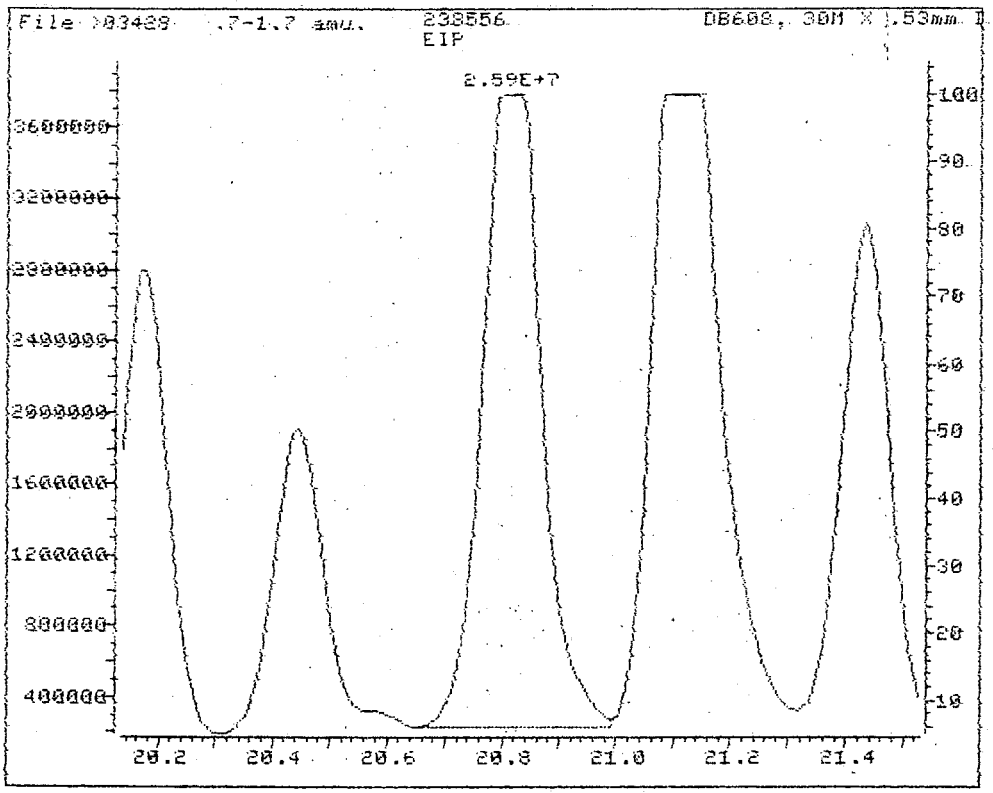
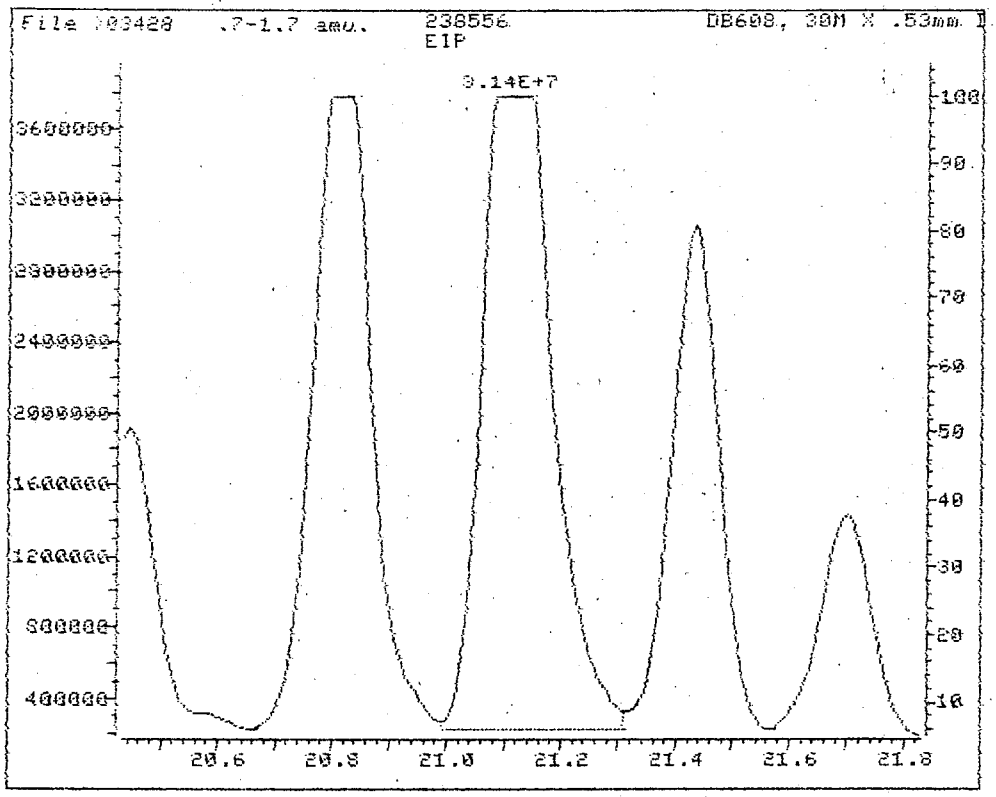


Data File: >03428::G2 Quant Output File: ^03428::GQ
Name: 238556 Instrument ID: GC03
Misc: DB608, 30M X .53mm INST 58903, 1ul INJ
Quant Time: 960722 12:35 Quant ID File: IDCAP5::SC
Injected at: 960722 11:42 Last Calibration: 941029 10:07

Compound No: 28
Compound Name: Aroclor-1254(1)
Scan Number: 2497
Retention Time: 20.81 min.
Quant Ion: 1.0
Area: 25921128M
Concentration: 5210.35 ng/ml
q-value: 100

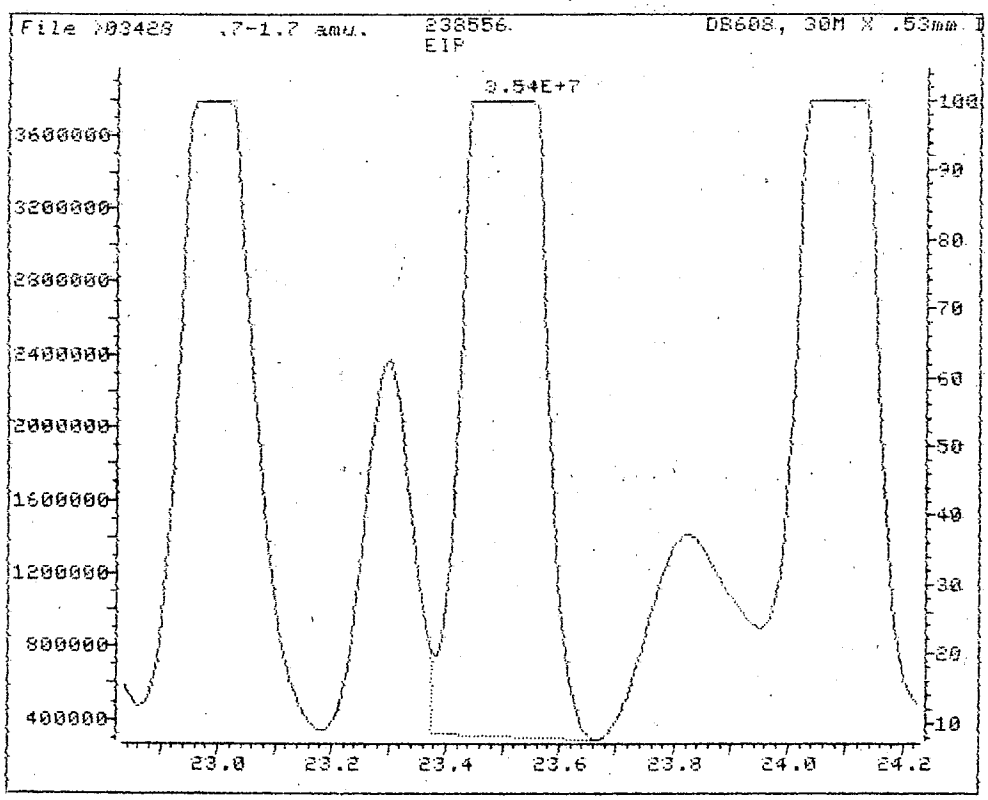
This report was produced by QAREA on: 960723 07:12



Data File: >03428::G2 Quant Output File: ^03428::GQ
Name: 238556 Instrument ID: GC03
Misc: DB608, 30M X .53mm INST 58903, 1ul INJ
Quant Time: 960722 12:35 Quant ID File: IDCAP5::SC
Injected at: 960722 11:42 Last Calibration: 941029 10:07

Compound No: 51
Compound Name: Aroclor-1254(2)
Scan Number: 2532
Retention Time: 21.10 min.
Quant Ion: 1.0
Area: 31397712M
Concentration: 5351.11 ng/ml
q-value: 100

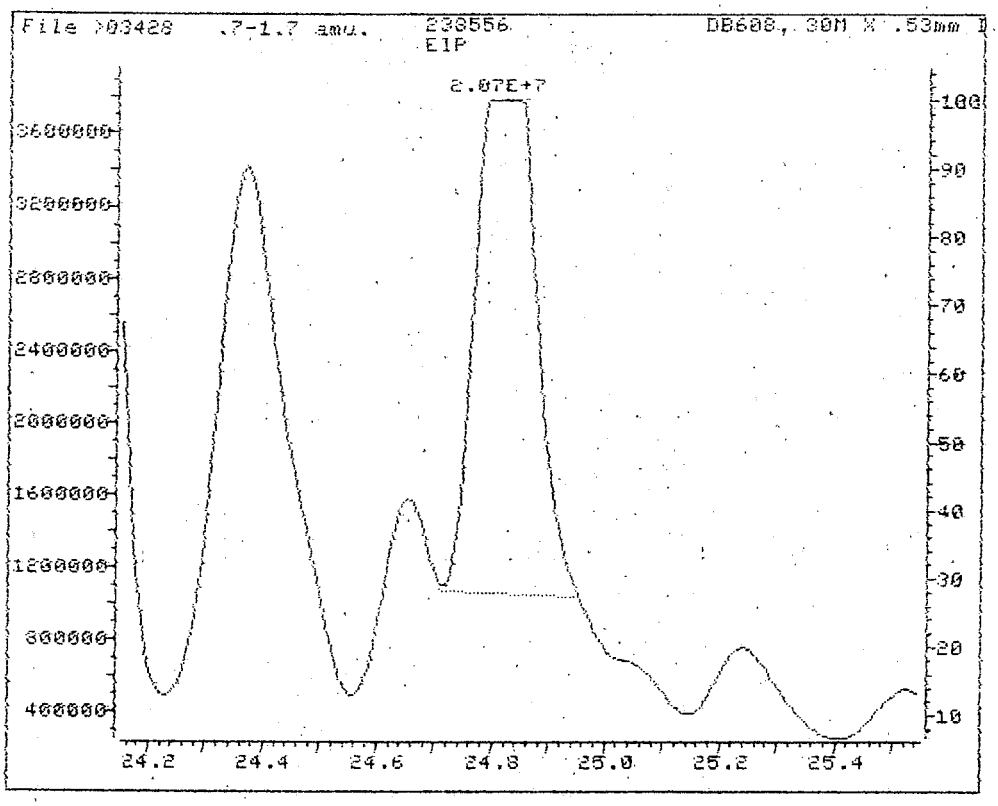
This report was produced by QAREA on: 960723 07:14



Data File: >03428::G2 Quant Output File: ^03428::GQ
Name: 238556 Instrument ID: GC03
Misc: DB608, 30M X .53mm INST 58903, 1ul INJ
Quant Time: 960722 12:35 Quant ID File: IDCAP5::SC
Injected at: 960722 11:42 Last Calibration: 941029 10:07

Compound No: 53
Compound Name: Aroclor-1254(4)
Scan Number: 2825
Retention Time: 23.54 min.
Quant Ion: 1.0
Area: 35410760M
Concentration: 5479.08 ng/ml
q-value: 100

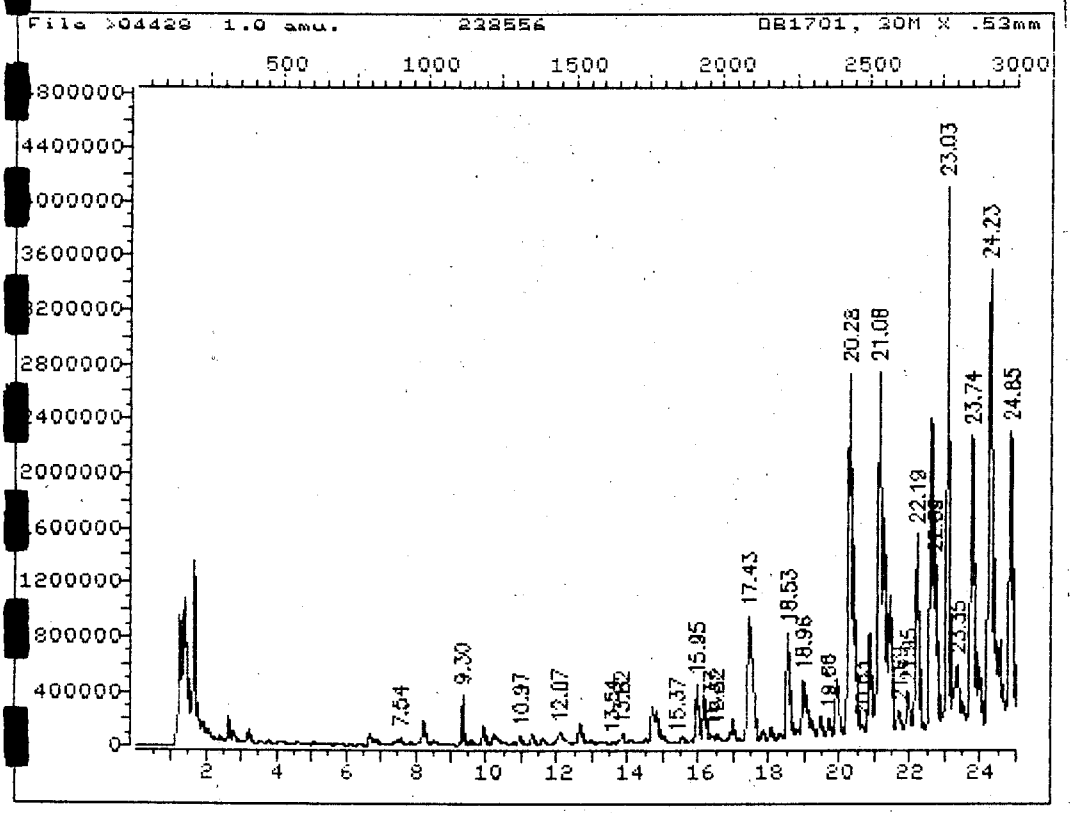
This report was produced by QAREA on: 960723 07:16



Data File: >03428::G2 Quant Output File: ^03428::GQ
Name: 238556 Instrument ID: GC03
Misc: DB608, 30M X .53mm INST 58903, 1ul INJ
Quant Time: 960722 12:35 Quant ID File: IDCAP5::SC
Injected at: 960722 11:42 Last Calibration: 941029 10:07

Compound No: 54
Compound Name: Aroclor-1254(S)
Scan Number: 2976
Retention Time: 24.80 min.
Quant Ion: 1.0
Area: 20724920M
Concentration: 5671.07 ng/ml
q-value: 100

This report was produced by QAREA on: 960723 07:18



Data File: >04428::G4 Quant Output File: ^04428::GQ
Name: 238556 Instrument ID: GC04
Misc: DB1701, 30M X .53mm INST 58903, 1ul INJ

Id File: IDCAP6::SC
Title: Capillary Column DB1701
Last Calibration: 941029 10:07 Last Qcal Time: 960713 22:00

Operator ID: TRFI2
Quant Time : 960722 12:33
Injected at: 960722 11:42

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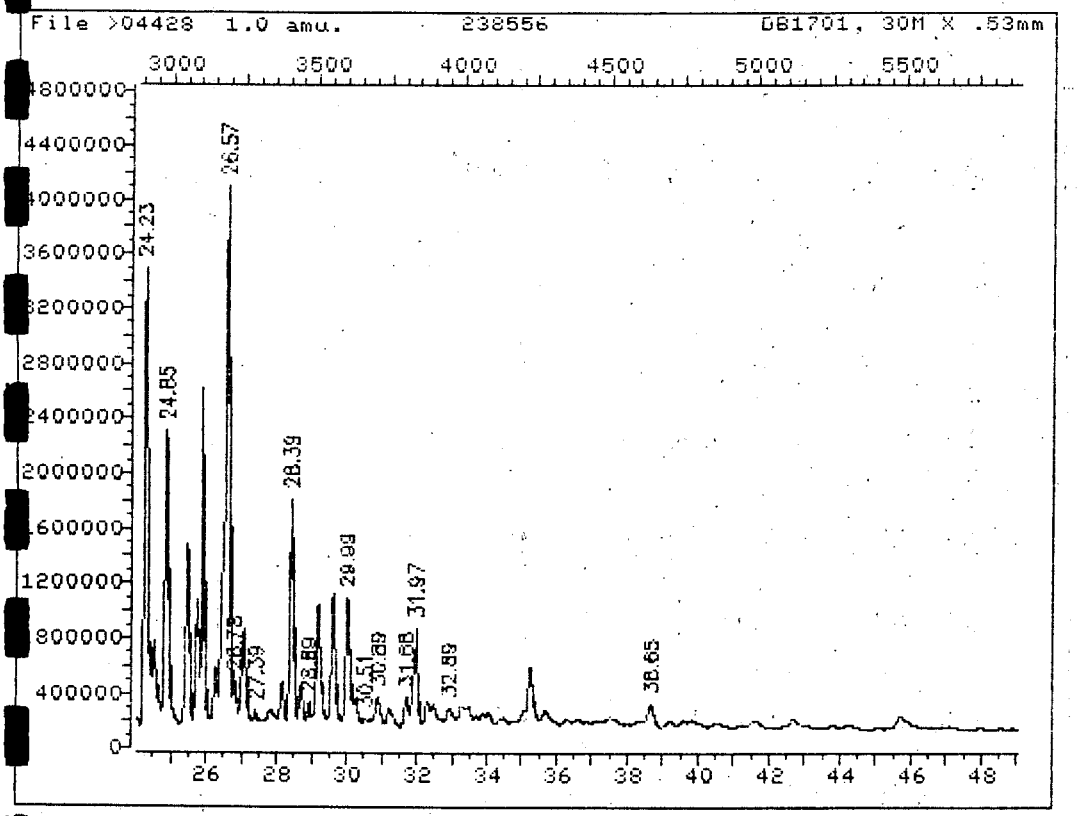

Data File: >04428::G4 Quant Output File: ^04428::GQ
Name: 238556 Instrument ID: GC04
Misc: DB1701, 30M X .53mm INST 58903, 1ul INJ

Id File: IDCAP6::SC
Title: Capillary Column DB1701
Last Calibration: 941029 10:07 Last Qcal Time: 960713 22:00

Operator ID: TRFI2
Quant Time : 960722 12:33
Injected at: 960722 11:42

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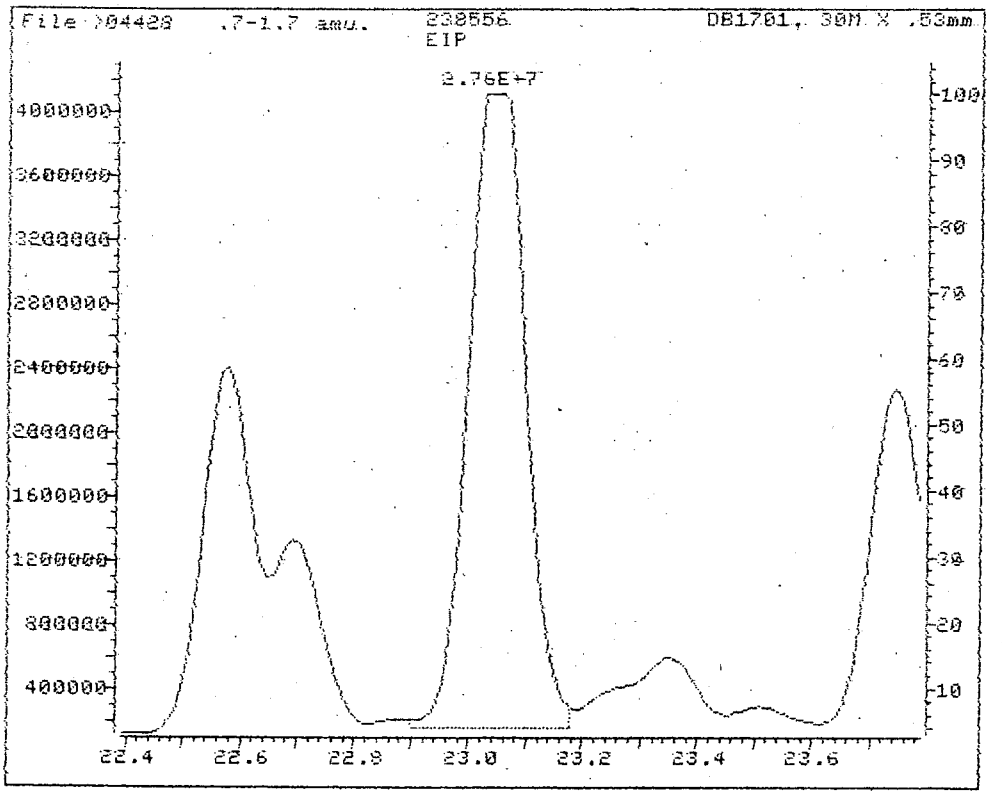


Data File: >04428::G4 Quant Output File: ^04428::GQ
Name: 238556 Instrument ID: GC04
Misc: DB1701, 30M X .53mm INST 58903, 1ul INJ
Quant Time: 960722 12:33 Quant ID File: IDCAP6::SC
Injected at: 960722 11:42 Last Calibration: 941029 10:07

Compound No: 53
Compound Name: Aroclor-1254(4)
Scan Number: 2763
Retention Time: 23.03 min.
Quant Ion: 1.0
Area: 27631716M
Concentration: 10636.38 ng/ml
q-value: 100

This report was produced by QAREA on: 960723 07:21

QUANT REPORT

Operator ID: TRFI2 Quant Rev: 7 Quant Time: 960722 12:35
Output File: ^03428::GQ Injected at: 960722 11:42
Data File: >03428::G2 Dilution Factor: 1.00000
Name: 238556 Instrument ID: GC03
Misc: DB608, 30M X .53mm INST.58903, 1ul INJ

ID File: IDCAP5::SC
Title: Capillary Column DB 608
Last Calibration: 941029 10:07 Last Qcal Time: 960713 22:00

Compound	R.T.	Scan#	Area	Conc	Units	q
1) #Tetrachloro-m-xylene	9.07	1088	3699391	30.92	ng/ml	100
2) ~~#alpha-BHC~~	12.45	1494	1816685	12.19	ng/ml	100
3) ~~#beta-BHC~~	14.82	1779	738689	9.03	ng/ml	100
4) ~~#delta-BHC~~	16.38	1966	397600	3.09	ng/ml	100
5) ~~#gamma-BHC (Lindane)~~	14.38	1726	5965416	43.05	ng/ml	100
6) #Heptachlor	15.89	1907	5617696	53.47	ng/ml	100
7) ~~#Aldrin~~	17.36	2083	1790092	13.41	ng/ml	100
8) ~~#Heptachlor epoxide~~	19.93	2391	4283203	34.31	ng/ml	100
9) ~~#Endosulfan I~~	21.70	2604	8089700	76.22	ng/ml	100
10) ~~#Dieldrin~~	22.97	2756	4932556	52.29	ng/ml	100
11) ~~#4,4'-DDE~~	22.68	2721	18055776	195.54	ng/ml	100
12) ~~#Endrin~~	24.80	2976	3850446	44.05	ng/ml	100
13) ~~#Endosulfan II~~	25.84	3101	13268786	134.09	ng/ml	100
14) ~~#4,4'-DDD~~	25.53	3063	2131765	34.52	ng/ml	100
15) ~~#Endosulfan Sulfate~~	28.38	3405	864087	9.83	ng/ml	100
16) ~~#4,4' DDT~~	27.03	3243	5456389	80.32	ng/ml	100
17) ~~#Methoxychlor~~	32.45	3894	6924724	174.06	ng/ml	100
18) ~~#Endrin ketone~~	32.71	3925	1348704	14.54	ng/ml	100
19) #Decachlorobiphenyl	41.61	4993	4530936	39.19	ng/ml	100
20) ~~#alpha-Chlordane~~ NT	21.43	2572	16351160	135.69	ng/ml	100
21) ~~#gamma-Chlordane~~ NT	20.81	2497	2984415	24.68	ng/ml	100
22) ~~#Toxaphene(1)~~ NT	23.83	2859	11834014	7406.35	ng/ml	100
23) ~~#Aroclor-1016(1)~~ NP	12.26	1471	187942	65.79	ng/ml	100
24) ~~#Aroclor-1221(1)~~ NP	7.93	952	8555	9.95	ng/ml	100
25) ~~#Aroclor-1232(1)~~ NP	12.26	1471	187942	69.83	ng/ml	100
26) ~~#Aroclor-1242(1)~~ NP	12.26	1471	187942	77.45	ng/ml	100
27) ~~#Aroclor-1248(1)~~ NP	16.02	1922	2215545	294.09	ng/ml	100
28) #Aroclor-1254(1)	20.81	2497	25921128M	5210.35	ng/ml	100
29) ~~#Aroclor-1260(1)~~ NP	24.37	2924	24119660	3767.60	ng/ml	100
30) ~~#Endrin aldehyde~~	27.68	3321	7295696	90.19	ng/ml	100
31) ~~#Toxaphene(2)~~	27.68	3321	7247201	4335.67	ng/ml	100
32) ~~#Toxaphene(3)~~ NT	28.38	3405	864087	407.40	ng/ml	100
33) ~~#Toxaphene(4)~~	30.58	3669	2733966	1399.61	ng/ml	100
34) ~~#Aroclor-1016(2)~~ NP	14.38	1726	5965416	1027.38	ng/ml	100
35) ~~#Aroclor-1016(3)~~ NP	16.02	1922	2215545	198.26	ng/ml	100
36) ~~#Aroclor-1016(4)~~ NP	16.78	2014	2947110	765.57	ng/ml	100
37) ~~#Aroclor-1016(5)~~ NP	18.98	2278	8826600	2609.62	ng/ml	100
38) ~~#Aroclor-1221(2)~~ NP	11.22	1347	461497	283.98	ng/ml	100
39) ~~#Aroclor-1221(3)~~ NP	12.26	1471	187942	50.70	ng/ml	100
40) ~~#Aroclor-1232(2)~~ NP	14.38	1726	5965416	2124.94	ng/ml	100

MMo 7/23/96

QUANT REPORT

Operator ID: TRFI2
Output File: ^03428::GQ
Data File: >03428::G2
Name: 238556
Misc: DB608, 30M X .53mm INST 58903, 1ul INJ

Quant Rev: 7
Quant Time: 960722 12:35
Injected at: 960722 11:42
Dilution Factor: 1.00000
Instrument ID: GC03

ID File: IDCAP5::SC
Title: Capillary Column DB 608
Last Calibration: 941029 10:07

Last Qcal Time: 960713 22:00

Compound	R.T.	Scan#	Area	Conc	Units
41) ~~#Aroclor-1232(3)~~ NP	16.02	1922	2215545	474.71	ng/ml
42) ~~#Aroclor-1232(4)~~ NP	16.78	2014	2947110	1686.33	ng/ml
43) ~~#Aroclor-1242(2)~~ NP	14.38	1726	5965416	1288.69	ng/ml
44) ~~#Aroclor-1242(3)~~ NP	16.02	1922	2215545	249.84	ng/ml
45) ~~#Aroclor-1242(4)~~ NP	16.78	2014	2947110	890.23	ng/ml
46) ~~#Aroclor-1242(5)~~ NP	18.98	2278	8826600	3017.36	ng/ml
47) ~~#Aroclor-1248(2)~~ NP	17.52	2102	7947001	2488.91	ng/ml
48) ~~#Aroclor-1248(3)~~ NP	18.98	2278	8826600	2144.63	ng/ml
49) ~~#Aroclor-1248(4)~~ NP	20.44	2453	10874784	2647.30	ng/ml
50) ~~#Aroclor-1248(5)~~ NP	21.70	2604	8089700	1847.16	ng/ml
51) #Aroclor-1254(2)	21.10	2532	31397712M	5351.11	ng/ml
52) #Aroclor-1254(3)	22.68	2721	18055776	9774.83	ng/ml
53) #Aroclor-1254(4)	23.54	2825	35410760M	5479.08	ng/ml
54) #Aroclor-1254(5)	24.80	2976	20724920M	5671.07	ng/ml
55) #Aroclor-1260(2) NP	24.80	2976	3850446	540.47	ng/ml
56) ~~#Aroclor-1260(3)~~ NP	26.52	3182	18925232	4111.12	ng/ml
57) ~~#Aroclor-1260(4)~~ NP	30.11	3613	15845156	1446.67	ng/ml
58) ~~#Aroclor-1260(5)~~ NP	32.87	3944	11249092	2281.91	ng/ml

Compound uses ESTD

7/23/96

QUANT REPORT

Operator ID: TRFI2 Quant Rev: 7 Quant Time: 960722 12:33
Output File: ^04428::GQ Injected at: 960722 11:42
Data File: >04428::G4 Dilution Factor: 1.00000
Name: 238556 Instrument ID: GC04
Misc: DB1701, 30M X .53mm INST 58903, 1ul INJ

ID File: IDCAP6::SC
Title: Capillary Column DB1701
Last Calibration: 941029 10:07 Last Qcal Time: 960713 22:00

Compound	R.T.	Scan#	Area	Conc	Units	q
1) #Tetrachloro-m-xylene	9.30	1116	2088565	51.05	ng/ml	100
2) ~~#alpha-BHC~~	13.54	1625	55528	1.71	ng/ml	100
3) ~~#beta-BHC~~	18.53	2224	5082674	202.54	ng/ml	100
4) ~~#delta-BHC~~	19.66	2359	730611	27.86	ng/ml	100
5) ~~#gamma-BHC (Lindane)~~	15.37	1845	30436	.895	ng/ml	100
6) ~~#Heptachlor~~	16.37	1964	269138	5.75	ng/ml	100
7) ~~#Aldrin~~	17.43	2091	8887726	237.35	ng/ml	100
8) ~~#Heptachlor epoxide~~	20.63	2475	239910	5.55	ng/ml	100
9) ~~#Endosulfan I~~	21.69	2603	903880	25.90	ng/ml	100
10) ~~#Dieldrin~~	23.35	2802	2785817	86.81	ng/ml	100
11) ~~#4,4'-DDE~~	22.69	2723	5682299	200.66	ng/ml	100
12) ~~#Endrin~~	24.23	2907	22605184	778.47	ng/ml	100
13) ~~#Endosulfan II~~	26.78	3213	1346348	39.33	ng/ml	100
14) ~~#4,4'-DDD~~	26.57	3188	27073504	1408.45	ng/ml	100
15) ~~#Endosulfan Sulfate~~	30.51	3661	202771	7.39	ng/ml	100
16) ~~#4,4'-DDT~~	27.39	3286	573325	32.80	ng/ml	100
17) ~~#Methoxychlor~~	30.89	3706	1778086	132.84	ng/ml	100
18) ~~#Endrin ketone~~	32.89	3946	947505	29.87	ng/ml	100
19) #Decachlorobiphenyl	38.65	4638	1951354	42.55	ng/ml	100
20) ~~#alpha-Chlordane~~ NT	22.19	2663	8966904	215.22	ng/ml	100
21) ~~#gamma-Chlordane~~ NT	21.95	2634	1512174	37.74	ng/ml	100
23) ~~#Aroclor-1016(1)~~ NP	12.07	1448	825273	681.28	ng/ml	100
24) ~~#Aroclor-1221(1)~~ NP	7.54	905	284813	372.59	ng/ml	100
25) ~~#Aroclor-1232(1)~~ NP	7.54	905	284813	258.02	ng/ml	100
26) ~~#Aroclor-1242(1)~~ NP	12.07	1448	825273	803.33	ng/ml	100
27) ~~#Aroclor-1248(1)~~ NP	13.82	1659	340593	331.34	ng/ml	100
28) #Aroclor-1254(1)	17.43	2091	8887726	5605.42	ng/ml	100
29) ~~#Aroclor-1260(1)~~ NP	23.74	2849	14122084	5690.88	ng/ml	100
30) ~~#Endrin aldehyde~~ NT	28.89	3467	868303	27.01	ng/ml	100
31) ~~#Toxaphene(2)~~	28.39	3406	11150658	16467.68	ng/ml	100
32) ~~#Toxaphene(3)~~ NP	30.51	3661	211263	391.67	ng/ml	100
33) ~~#Toxaphene(4)~~	31.68	3801	1638894	3162.09	ng/ml	100
34) ~~#Aroclor-1016(2)~~	13.82	1659	340593	137.88	ng/ml	100
35) ~~#Aroclor-1016(3)~~	15.95	1914	2432758	605.38	ng/ml	100
36) ~~#Aroclor-1016(4)~~ NP	16.52	1982	341540	229.94	ng/ml	100
37) ~~#Aroclor-1016(5)~~	18.53	2224	5082674	2601.18	ng/ml	100
38) ~~#Aroclor-1221(2)~~ NP	10.97	1316	379413	582.10	ng/ml	100
39) ~~#Aroclor-1221(3)~~ NP	12.07	1448	825273	486.71	ng/ml	100
40) ~~#Aroclor-1232(2)~~ NP	12.07	1448	825273	726.80	ng/ml	100
41) ~~#Aroclor-1232(3)~~ NP	13.82	1659	340593	341.28	ng/ml	100

NT

EPrice
7/23/96

Operator ID: TRFI2 Quant Rev: 7 Quant Time: 960722 12:33
Output File: ^04428::GQ Injected at: 960722 11:42
Data File: >04428::G4 Dilution Factor: 1.00000
Name: 238556 Instrument ID: GC04
Misc: DB1701, 30M X .53mm INST 58903, 1ul INJ

ID File: IDCAP6::SC
Title: Capillary Column DB1701
Last Calibration: 941029 10:07 Last Qcal Time: 960713 22:00

Compound	R.T.	Scan#	Area	Conc	Units	q
~~42) #Aroclor-1232(4)~~ NP	15.95	1914	2432758	1494.30	ng/ml	100
~~43) #Aroclor-1242(2)~~ NP	13.82	1659	340593	176.14	ng/ml	100
~~44) #Aroclor-1242(3)~~ NP	15.95	1914	2432758	771.69	ng/ml	100
~~45) #Aroclor-1242(4)~~ NP	16.52	1982	341540	298.43	ng/ml	100
~~46) #Aroclor-1242(5)~~ NP	17.43	2091	8887726	10397.07	ng/ml	100
~~47) #Aroclor-1248(2)~~ NP	15.95	1914	2432758	900.71	ng/ml	100
~~48) #Aroclor-1248(3)~~ NP	18.53	2224	5082674	2099.85	ng/ml	100
~~49) #Aroclor-1248(4)~~ NP	18.96	2275	2060207	1127.38	ng/ml	100
~~50) #Aroclor-1248(5)~~ NP	20.28	2433	17474372	15317.65	ng/ml	100
51) #Aroclor-1254(2)	20.28	2433	17474372	8132.38	ng/ml	100
52) #Aroclor-1254(3)	21.08	2530	15503202	8436.61	ng/ml	100
53) #Aroclor-1254(4)	23.03	2763	27631716M	10636.38	ng/ml	100
54) #Aroclor-1254(5)	23.74	2849	14122084	9928.42	ng/ml	100
~~55) #Aroclor-1260(2)~~ NP	24.85	2982	15375380	5386.14	ng/ml	100
~~56) #Aroclor-1260(3)~~ NP	28.39	3406	11150658	6704.86	ng/ml	100
~~57) #Aroclor-1260(4)~~ NP	29.99	3598	7068089	1652.36	ng/ml	100
~~58) #Aroclor-1260(5)~~ NP	31.97	3836	7520728	2728.50	ng/ml	100

Compound uses ESTD

MM 7/23/96

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS9 DL

Lab Name: ICM Contract:

Lab Code: ICM Case No.: SAS No.: SDG No.: RIN1A

Matrix: (soil/water) SOIL Lab Sample ID: 238556

Sample wt/vol: 30.1 (g/mL) G Lab File ID: 03240

% Moisture: 11. decanted: (Y/N) N Date Received: 06/28/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 07/03/96

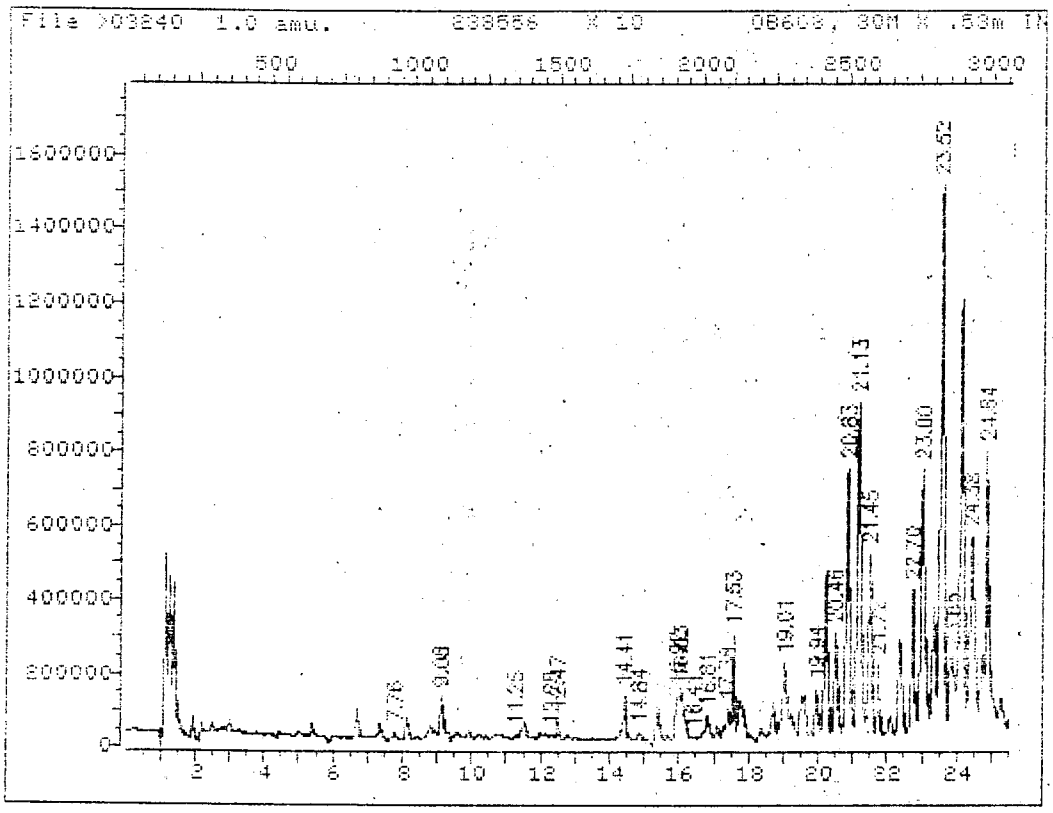
Concentrated Extract Volume: 5000 (uL) Date Analyzed: 07/10/96

Injection Volume: 1.0 (uL) Dilution Factor: 10.0

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

Do not use these data

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
319-84-6	alpha-BHC	19.	U
319-85-7	beta-BHC	19.	U
319-86-8	delta-BHC	19.	U
58-89-9	gamma-BHC (Lindane)	19.	U
76-44-8	Heptachlor	19.	U
309-00-2	Aldrin	19.	U
1024-57-3	Heptachlor epoxide	19.	U
959-98-8	Endosulfan I	19.	U
60-57-1	Dieldrin	37.	U
72-55-9	4,4'-DDE	37.	U
72-20-8	Endrin	37.	U
33213-65-9	Endosulfan II	37.	U
72-54-8	4,4'-DDD	37.	U
1031-07-8	Endosulfan Sulfate	37.	U
50-29-3	4,4'-DDT	37.	U
72-43-5	Methoxychlor	190.	U
53494-70-5	Endrin ketone	37.	U
7421-93-4	Endrin aldehyde	37.	U
5103-71-9	alpha-Chlordane	19.	U
5103-74-2	gamma-Chlordane	19.	U
8001-35-2	Toxaphene	1900.	U
12674-11-2	Aroclor-1016	370.	U
11104-28-2	Aroclor-1221	750.	U
11141-16-5	Aroclor-1232	370.	U
53469-21-9	Aroclor-1242	370.	U
12672-29-6	Aroclor-1248	370.	U
11097-69-1	Aroclor-1254	5400.	D
11096-82-5	Aroclor-1260	370.	U



Data File: >03240::G3 Quant Output File: ^03240::F3
Name: 238556 X 10 Instrument ID: GC03
Misc: DB608, 30M X .53m INST 58903, 1ul INJ

Id File: IDCAP1::SC
Title: Capillary Column DB 608
Last Calibration: 941029 10:07 Last Ocal Time: 960702 00:13

Operator ID: TRFIL
Quant Time : 960710 12:14
Injected at: 960710 10:55

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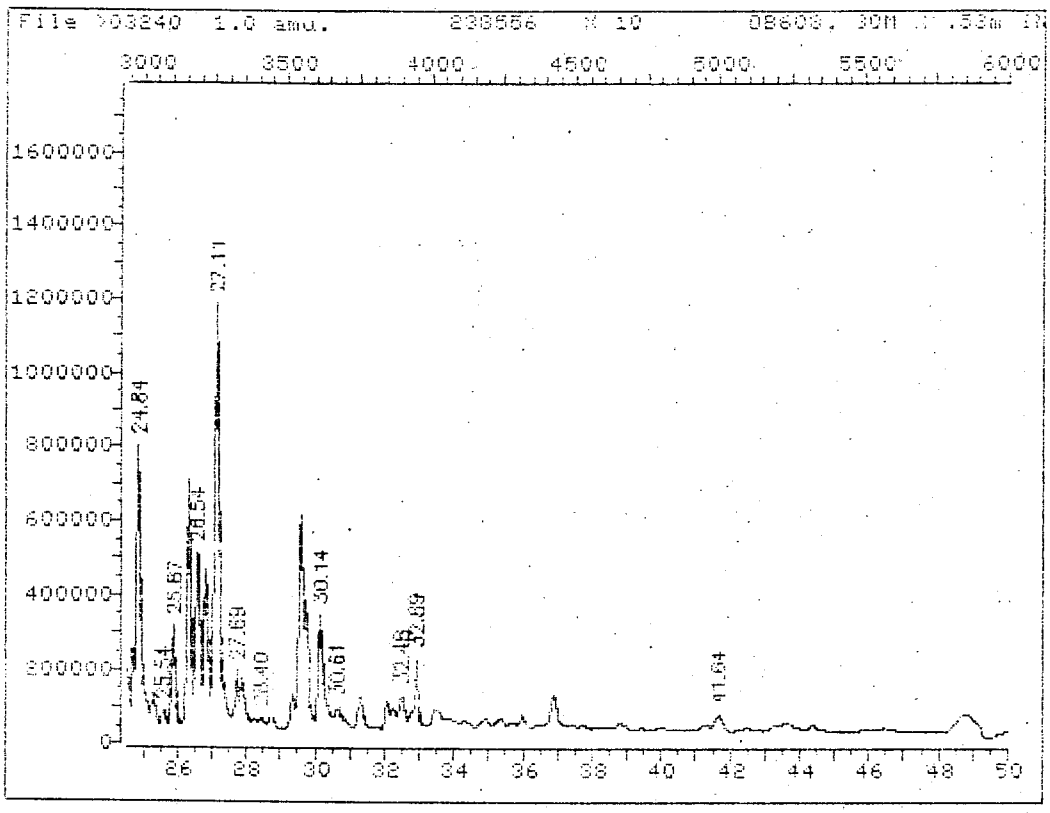

Data File: >03240::G3 Quant Output File: ^03240::F3
Name: 238556 X 10 Instrument ID: GC03
Misc: DB608, 30M X .53m INST 58903, 1ul INJ

Id File: IDCAP1::SC
Title: Capillary Column DB 608
Last Calibration: 941029 10:07 Last Scal Time: 960702 00:13

Operator ID: TRFIL
Quant Time : 960710 12:14
Injected at: 960710 10:55

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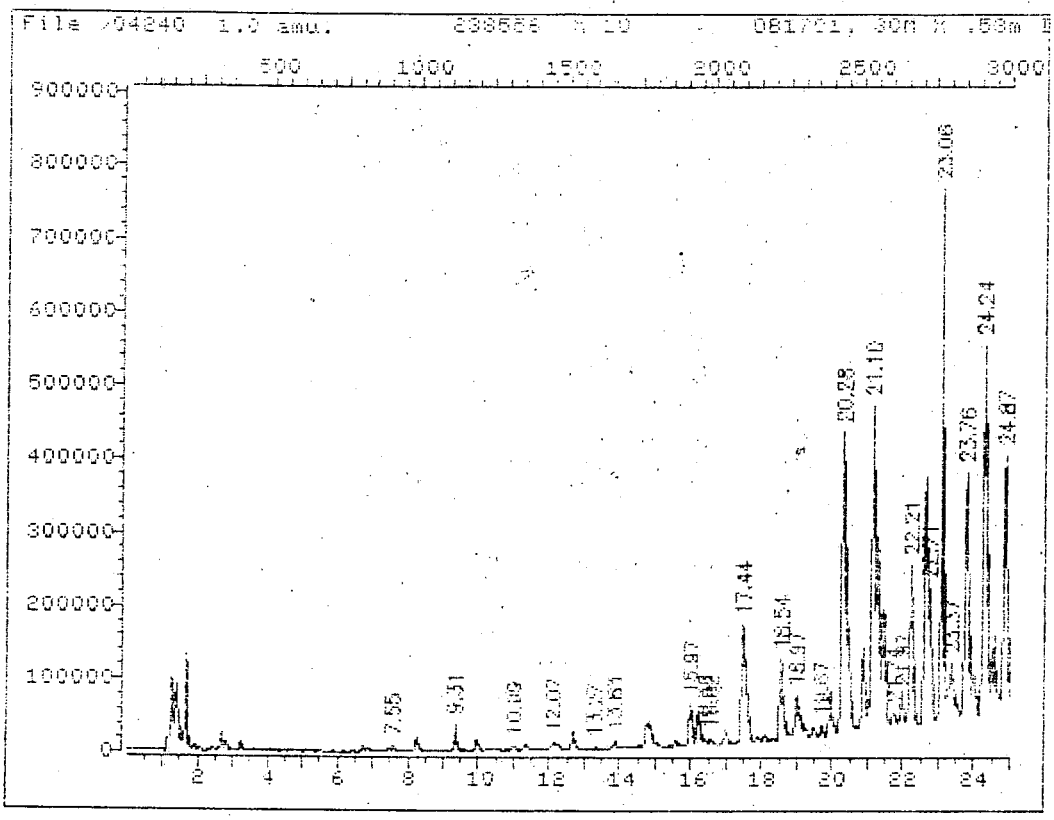

Data File: >04240::G1 Quant Output File: ^04240::F3
Name: 238556 X 10 Instrument ID: GC04
Misc: DB1701, 30M X .53m INST 58903, 1ul INJ

Id File: IDCAP2::SC
Title: Capillary Column DB1701
Last Calibration: 941029 10:07 Last Qcal Time: 960701 21:23

Operator ID: TRFIL
Quant Time : 960710 12:17
Injected at: 960710 10:54

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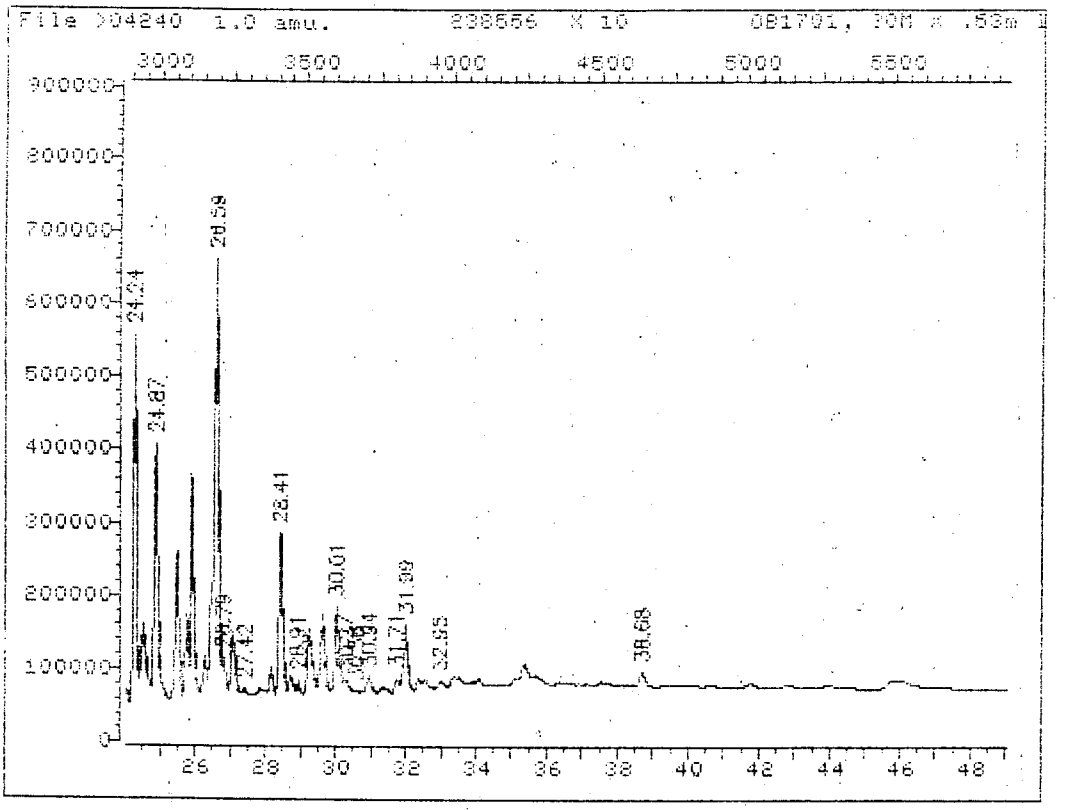

Data File: >04240::G1 Quant Output File: ^04240::F3
Name: 238556 X 10 Instrument ID: GC04
Misc: DB1701. 30M X .53m INST 58903. 1ul INJ

Id File: IDCAP2::SC
Title: Capillary Column DB1701
Last Calibration: 941029 10:07 Last Qcal Time: 960701 21:23

Operator ID: TRFIL
Quant Time : 960710 12:17
Injected at: 960710 10:54

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QUANT REPORT

Operator ID: TRFIL Quant Rev: 7 Quant Time: 960710 12:14
Output File: ^05240::F3 Injected at: 960710 10:55
Data File: >05240::G3 SS9 DL Dilution Factor: 1.00000
Name: 23855a X 10 Instrument ID: GC03
Desc: DB608, 30M X .53m INST #8903, 1ul INJ

ID File: IDCAP1::SC
Title: Capillary Column DB 608
Last Calibration: 941029 10:07 Last Cal Time: 960702 00:13

	Compound	R.T.	Scan#	Area	Conc	Units	q
1)	#Tetrachloro-m-xylene	9.08	1090	555413	4.44	ng/ml	100
2)	~~#alpha BHC~~	12.47	1496	332555	2.25	ng/ml	100
3)	~~#beta BHC~~	14.84	1781	111623	1.36	ng/ml	100
4)	~~#delta BHC~~	16.41	1969	23641	.196	ng/ml	100
5)	~~#gamma BHC (Lindane)~~	14.41	1729	930511	6.81	ng/ml	100
6)	~~#Heptachlor~~	15.92	1910	734549	9.41	ng/ml	100
7)	~~#Aldrin~~	17.58	2085	241959	1.80	ng/ml	100
8)	~~#Heptachlor epoxide~~	19.94	2393	703652	6.41	ng/ml	100
9)	~~#Endosulfan I~~	21.72	2606	1235569	10.14	ng/ml	100
10)	~~#Dieldrin~~	23.00	2760	5216284	55.17	ng/ml	100
11)	~~#4,4' DDE~~	22.70	2724	2994094	32.73	ng/ml	100
12)	~~#Endrin~~	24.84	2980	5846201	68.30	ng/ml	100
13)	~~#Endosulfan II~~	25.87	3104	1875524	19.47	ng/ml	100
14)	~~#4,4' DDD~~	25.54	3065	217488	3.78	ng/ml	100
15)	~~#Endosulfan Sulfate~~	28.40	3408	133033	1.50	ng/ml	100
16)	~~#4,4' DDT~~	27.11	3253	8561276	132.08	ng/ml	100
17)	~~#Methoxychlor~~	32.48	3897	917291	23.63	ng/ml	100
18)	~~#Endrin ketone~~	32.89	3947	1822159	20.24	ng/ml	100
19)	#Decachlorobiphenyl	41.64	4997	687442	5.74	ng/ml	100
20)	~~#alpha-Chlordane~~ NT	21.45	2574	2931939	21.35	ng/ml	100
21)	~~#gamma-Chlordane~~ NT	20.83	2500	4739531	40.22	ng/ml	100
22)	~~#Toxaphene(1)~~ NP	23.85	2862	1770897	1104.24	ng/ml	100
23)	~~#Aroclor-1016(1)~~ NP	12.28	1474	24525	8.34	ng/ml	100
24)	~~#Aroclor-1221(1)~~ NP	7.76	931	246847	291.07	ng/ml	100
25)	~~#Aroclor-1232(1)~~ NP	12.28	1474	24525	8.56	ng/ml	100
26)	~~#Aroclor-1242(1)~~ NP	12.28	1474	24525	9.40	ng/ml	100
27)	~~#Aroclor-1248(1)~~ NP	16.03	1924	387899	51.26	ng/ml	100
28)	#Aroclor-1254(1)	20.83	2500	4739531	999.60	ng/ml	100
29)	~~#Aroclor-1260(1)~~ NP	24.38	2926	3984791	514.03	ng/ml	100
30)	~~#Endrin aldehyde~~ NT	27.69	3323	1039003	13.17	ng/ml	100
31)	~~#Toxaphene(2)~~ NP	27.69	3323	1029771	559.61	ng/ml	100
32)	~~#Toxaphene(3)~~ NP	28.40	3408	133033	53.22	ng/ml	100
33)	~~#Toxaphene(4)~~ NP	30.61	3673	267547	138.78	ng/ml	100
34)	~~#Aroclor-1016(2)~~ NP	14.41	1729	930511	142.35	ng/ml	100
35)	~~#Aroclor-1016(3)~~ NP	16.03	1924	387899	35.12	ng/ml	100
36)	~~#Aroclor-1016(4)~~ NP	16.81	2017	379913	101.73	ng/ml	100
37)	~~#Aroclor-1016(5)~~ NP	19.01	2281	1459098	429.44	ng/ml	100
38)	~~#Aroclor-1221(2)~~ NP	11.25	1350	82112	48.87	ng/ml	100
39)	~~#Aroclor-1221(3)~~ NP	12.28	1474	24525	6.43	ng/ml	100
40)	~~#Aroclor-1232(2)~~ NP	14.41	1729	930511	329.73	ng/ml	100

EPma
7/10/96

QUANT REPORT

Operator ID: TRFIL Quant.Rev: 7 Quant Time: 960710 12:14
Output File: ^03240::F3 Injected at: 960710 10:55
Data File: >03240::G3 Dilution Factor: 1.00000
Name: 258556 X 10 Instrument ID: GC03
Disc: DB608. 30M X .53m INST 58903. 1ul INJ

CID File: IDCAP1::SC
Title: Capillary Column DB 608
Last Calibration: 941029 10:07 Last Qcal Time: 960702 00:13

	Compound	R.T.	Scan#	Area	Conc	Units	q
41)	~~#Aroclor-1232(3)~~	16.03	1924	387899	82.45	ng/ml	100
42)	~~#Aroclor-1232(4)~~	16.81	2017	379913	220.66	ng/ml	100
43)	~~#Aroclor-1242(2)~~	14.41	1729	930511	172.88	ng/ml	100
44)	~~#Aroclor-1242(3)~~	16.03	1924	387899	43.52	ng/ml	100
45)	~~#Aroclor-1242(4)~~ NP	16.81	2017	379913	120.11	ng/ml	100
46)	~~#Aroclor-1242(5)~~	19.01	2281	1459098	488.16	ng/ml	100
47)	~~#Aroclor-1248(2)~~	17.53	2104	1514383	580.59	ng/ml	100
48)	~~#Aroclor-1248(3)~~	19.01	2281	1459098	351.37	ng/ml	100
49)	~~#Aroclor-1248(4)~~	20.46	2455	1723464	355.72	ng/ml	100
50)	~~#Aroclor-1248(5)~~	21.72	2606	1235569	224.11	ng/ml	100
51)	#Aroclor-1254(2)	21.13	2536	6392501	1153.49	ng/ml	100
52)	#Aroclor-1254(3)	22.70	2724	2994094	1856.92	ng/ml	100
53)	#Aroclor-1254(4)	23.52	2822	9660416	1591.22	ng/ml	100
54)	#Aroclor-1254(5)	24.84	2980	5846201	1630.46	ng/ml	100
55)	~~#Aroclor-1260(2)~~	24.84	2980	5846201	834.65	ng/ml	100
56)	~~#Aroclor-1260(3)~~ NP	26.54	3185	3486403	667.86	ng/ml	100
57)	~~#Aroclor-1260(4)~~	30.14	3616	2308837	213.69	ng/ml	100
58)	~~#Aroclor-1260(5)~~	32.89	3947	1822159	330.04	ng/ml	100

Compound uses ESTD

QUANT REPORT

Operator ID: TRFIL Quant Rev: 7 Quant Time: 960710 12:17
Output File: ^04240::F3 Injected at: 960710 10:54
Data File: >04240::G1 Dilution Factor: 1.00000
Name: 238556 X 10 Instrument ID: GC04
Misc: DB1701, 30M X .53m INST #8903, 1ul INJ

ID File: IDCAP2::SC
Title: Capillary Column DB1701
Last Calibration: 941029 10:07 Last Qcal Time: 960701 21:23

	Compound	R.T.	Scan#	Area	Conc	Units	q
1)	#Tetrachloro-m-xylene	9.31	1117	251017	6.06	ng/ml	100
2)	~~#alpha-BHC~~	13.27	1593	9109	.278	ng/ml	100
3)	~~#beta-BHC~~	18.54	2225	778291	29.62	ng/ml	100
4)	~~#delta-BHC~~	19.67	2360	80509	3.30	ng/ml	100
6)	~~#Heptachlor~~	16.38	1966	43771	.923	ng/ml	100
7)	~~#Aldrin~~	17.44	2093	1488981	39.54	ng/ml	100
9)	~~#Endosulfan~~ I	21.74	2609	106006	2.97	ng/ml	100
10)	~~#Dieldrin~~	23.37	2804	654407	20.15	ng/ml	100
11)	~~#4,4' DDE~~	22.71	2725	958716	34.54	ng/ml	100
12)	~~#Endrin~~	24.24	2909	3569520	123.14	ng/ml	100
13)	~~#Endosulfan~~ II	26.79	3215	263049	7.35	ng/ml	100
14)	~~#4,4' DDD~~	26.59	3190	5163834	244.37	ng/ml	100
15)	~~#Endosulfan Sulfate~~	30.58	3669	25921	.980	ng/ml	100
16)	~~#4,4' DDT~~	27.42	3290	46217	2.80	ng/ml	100
17)	~~#Methoxychlor~~	30.94	3712	198698	14.76	ng/ml	100
18)	~~#Endrin ketone~~	32.95	3954	122360	4.35	ng/ml	100
19)	#Decachlorobiphenyl	38.68	4641	244887	5.24	ng/ml	100
20)	~~#alpha Chlordane~~ NPT	22.21	2665	1342506	52.19	ng/ml	100
21)	~~#gamma Chlordane~~ NPT EP	21.97	2636	191786	4.80	ng/ml	100
23)	~~#Aroclor 1016~~(1) NP	12.07	1449	122133	98.89	ng/ml	100
24)	~~#Aroclor 1221~~(1) NP	7.55	906	38255	48.37	ng/ml	100
25)	~~#Aroclor 1232~~(1) NP	7.55	906	40494	34.01	ng/ml	100
26)	~~#Aroclor 1242~~(1) NP	12.07	1449	122133	115.44	ng/ml	100
27)	~~#Aroclor 1248~~(1) NP	13.83	1660	78145	70.94	ng/ml	100
28)	#Aroclor-1254(1)	17.44	2093	1487824	936.54	ng/ml	100
29)	~~#Aroclor 1260~~(1) NP	23.76	2851	2269564	982.35	ng/ml	100
30)	~~#Endrin aldehyde~~ NT	28.91	3469	142898	4.70	ng/ml	100
31)	~~#Toxaphene~~(2) NP	28.41	3409	1546634	2145.90	ng/ml	100
32)	~~#Toxaphene~~(3) NP	30.27	3632	122504	248.55	ng/ml	100
33)	~~#Toxaphene~~(4) NP	31.71	3805	170825	340.43	ng/ml	100
34)	~~#Aroclor 1016~~(2) NP	13.83	1660	78145	31.96	ng/ml	100
35)	~~#Aroclor 1016~~(3) NP	15.97	1916	340205	87.70	ng/ml	100
36)	~~#Aroclor 1016~~(4) NP	16.52	1983	46501	31.93	ng/ml	100
37)	~~#Aroclor 1016~~(5) NP	18.54	2225	778291	377.69	ng/ml	100
38)	~~#Aroclor 1221~~(2) NP	10.99	1319	36924	56.29	ng/ml	100
39)	~~#Aroclor 1221~~(3) NP	12.07	1449	122133	71.20	ng/ml	100
40)	~~#Aroclor 1232~~(2) NP	12.07	1449	122133	104.25	ng/ml	100
41)	~~#Aroclor 1232~~(3) NP	13.83	1660	78145	75.89	ng/ml	100
42)	~~#Aroclor 1232~~(4) NP	15.97	1916	340205	217.78	ng/ml	100
43)	~~#Aroclor 1242~~(2) NP	13.83	1660	78145	39.34	ng/ml	100

NT

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7/10/96

QUANT REPORT

Operator ID: TRFIL Quant Rev: 7 Quant Time: 960710 12:17
Output File: 704240::F3 Injected at: 960710 10:54
Data File: >04240::G1 Dilution Factor: 1.00000
Name: 238556 X 10 Instrument ID: GC04
Misc: DB1701, 30M X .53m INST 58903, 1ul INJ

ID File: IDCAP2::SC
Title: Capillary Column DB1701
Last Calibration: 941029 10:07 Last Qcal Time: 960701 21:23

	Compound	R.T.	Scan#	Area	Conc	Units	q
44)	~~#Aroclor-1242(3)~~ NP	15.97	1916	340205	110.34	ng/ml	100
45)	~~#Aroclor-1242(4)~~ NP	16.52	1983	46501	40.68	ng/ml	100
46)	~~#Aroclor-1242(5)~~ NP	17.44	2093	1490183	1883.35	ng/ml	100
47)	~~#Aroclor-1248(2)~~ NP	15.97	1916	340205	130.23	ng/ml	100
48)	~~#Aroclor-1248(3)~~ NP	18.54	2225	778291	315.91	ng/ml	100
49)	~~#Aroclor-1248(4)~~ NP	18.97	2276	284985	161.43	ng/ml	100
50)	~~#Aroclor-1248(5)~~ NP	20.28	2434	2809576	2927.25	ng/ml	100
51)	#Aroclor-1254(2)	20.28	2434	2809576	1381.88	ng/ml	100
52)	#Aroclor-1254(3)	21.10	2532	2558799	1395.19	ng/ml	100
53)	#Aroclor-1254(4)	23.06	2767	4550319	1784.65	ng/ml	100
54)	#Aroclor-1254(5)	23.76	2851	2269564	1673.40	ng/ml	100
55)	~~#Aroclor-1260(2)~~ NP	24.87	2984	2531179	932.26	ng/ml	100
56)	~~#Aroclor-1260(3)~~ NP	28.41	3409	1546634	871.42	ng/ml	100
57)	~~#Aroclor-1260(4)~~ NP	30.01	3601	957574	243.56	ng/ml	100
58)	~~#Aroclor-1260(5)~~ NP	31.99	3838	901191	362.88	ng/ml	100

Compound uses ESTD

EPrice
7/10/96

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS10

Lab Name: ICM Contract:

Lab Code: ICM Case No.: SAS No.: SDG No.: RIN1A

Matrix: (soil/water) SOIL Lab Sample ID: 238558

Sample wt/vol: 30.6 (g/mL) G Lab File ID: 03344

% Moisture: 63. decanted: (Y/N) N Date Received: 06/28/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 07/03/96

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 07/15/96

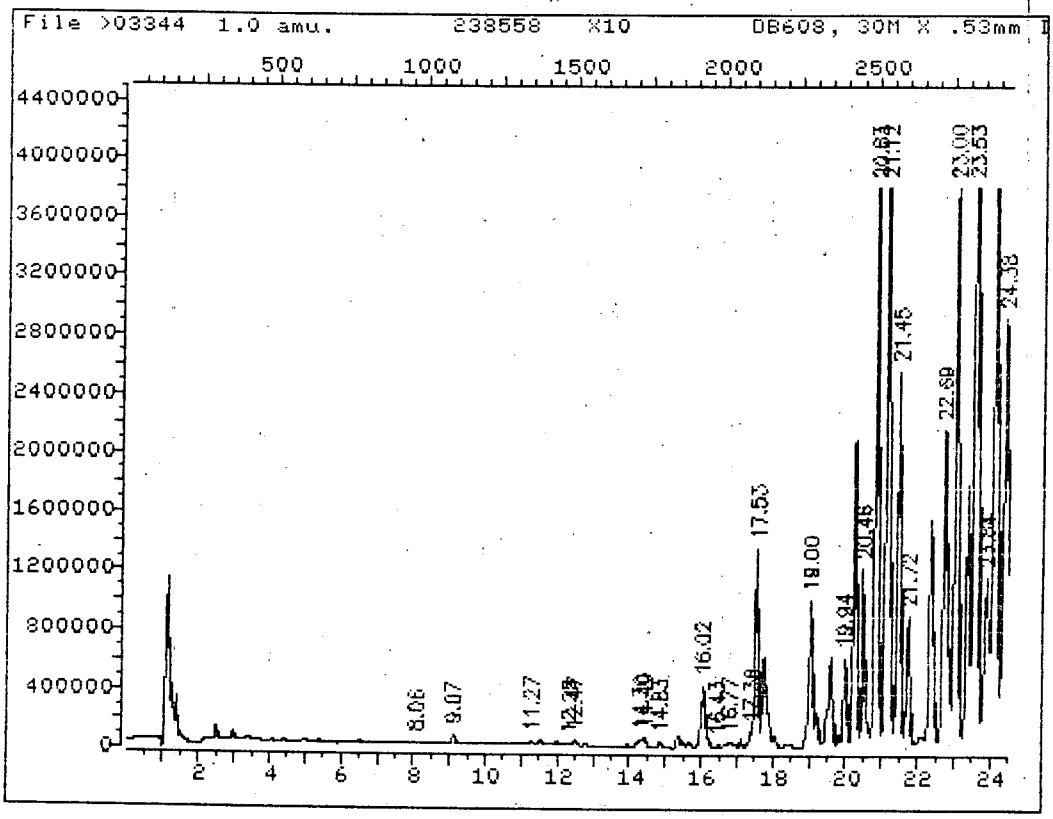
Injection Volume: 1.0 (uL) Dilution Factor: 10.0

GPC Cleanup: (Y/N) Y pH: 7.7 Sulfur Cleanup: (Y/N) N

Use these data

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
319-84-6	alpha-BHC	45.	U
319-85-7	beta-BHC	45.	U
319-86-8	delta-BHC	45.	U
58-89-9	gamma-BHC (Lindane)	45.	U
76-44-8	Heptachlor	45.	U
309-00-2	Aldrin	45.	U
1024-57-3	Heptachlor epoxide	45.	U
959-98-8	Endosulfan I	45.	U
60-57-1	Dieldrin	87.	U
72-55-9	4,4'-DDE	87.	U
72-20-8	Endrin	87.	U
33213-65-9	Endosulfan II	87.	U
72-54-8	4,4'-DDD	87.	U
1031-07-8	Endosulfan Sulfate	87.	U
50-29-3	4,4'-DDT	87.	U
72-43-5	Methoxychlor	450.	U
53494-70-5	Endrin ketone	87.	U
7421-93-4	Endrin aldehyde	87.	U
5103-71-9	alpha-Chlordane	45.	U
5103-74-2	gamma-Chlordane	45.	U
8001-35-2	Toxaphene	4500.	U
12674-11-2	Aroclor-1016	870.	U J
11104-28-2	Aroclor-1221	1800.	U J
11141-16-5	Aroclor-1232	870.	U J
53469-21-9	Aroclor-1242	870.	U J
12672-29-6	Aroclor-1248	870.	U J
11097-69-1	Aroclor-1254	100000 ~~56000.~~	E J D*
11096-82-5	Aroclor-1260	870.	U J

D* value transferred from dilution analysis SS10 DL
100 x D/F.

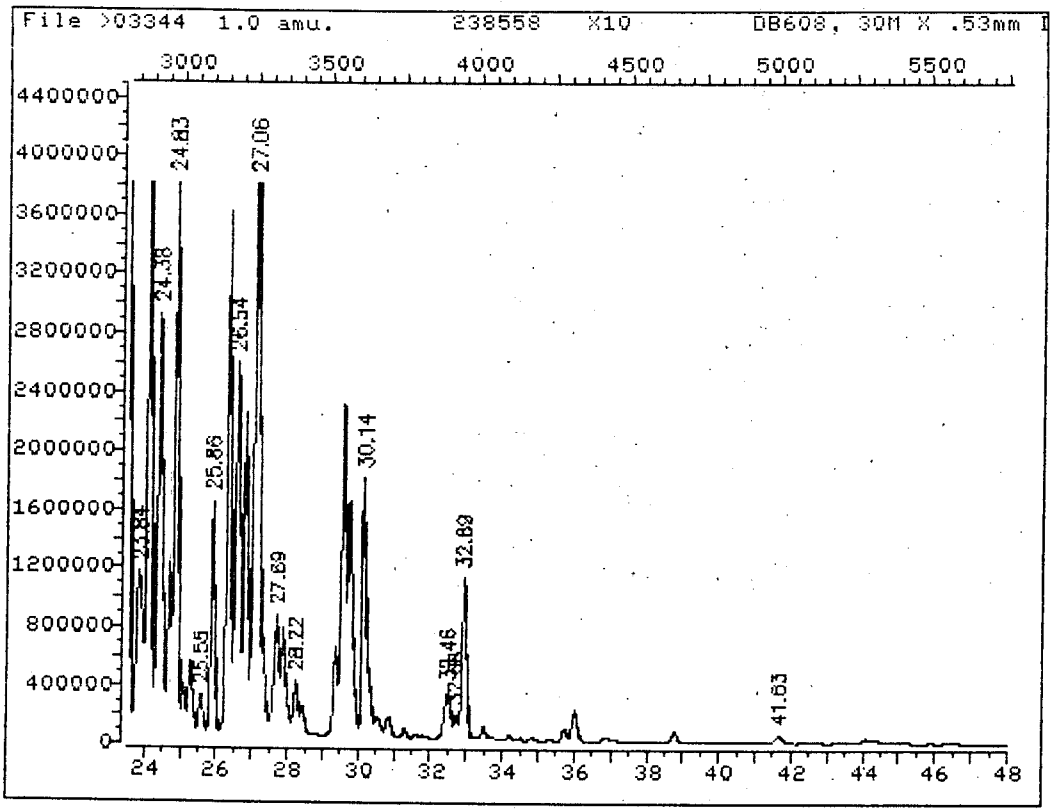


Data File: >03344::F3 Quant Output File: ^03344::GQ
Name: 238558 X10 Instrument ID: GC03
Misc: DB608, 30M X .53mm INST 58903, 1ul INJ

Id File: IDCAP5::SC
Title: Capillary Column DB 608
Last Calibration: 941029 10:07 Last Qcal Time: 960713 22:00

Operator ID: TRFI2
Quant Time : 960715 11:37
Injected at: 960715 10:46

Page 1 of 2

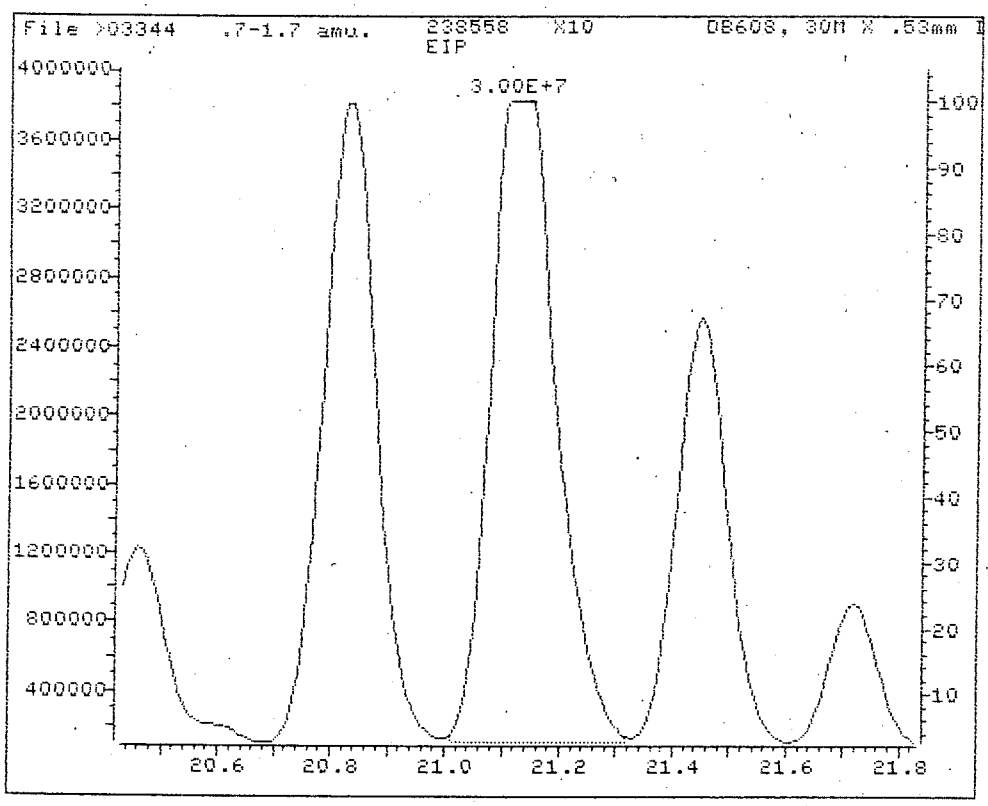


Data File: >03344::F3 Quant Output File: ^03344::GQ
Name: 238558 X10 Instrument ID: GC03
Misc: DB608, 30M X .53mm INST 58903, 1ul INJ

Id File: IDCAP5::SC
Title: Capillary Column DB 608
Last Calibration: 941029 10:07 Last Qcal Time: 960713 22:00

Operator ID: TRFI2
Quant Time : 960715 11:37
Injected at: 960715 10:46

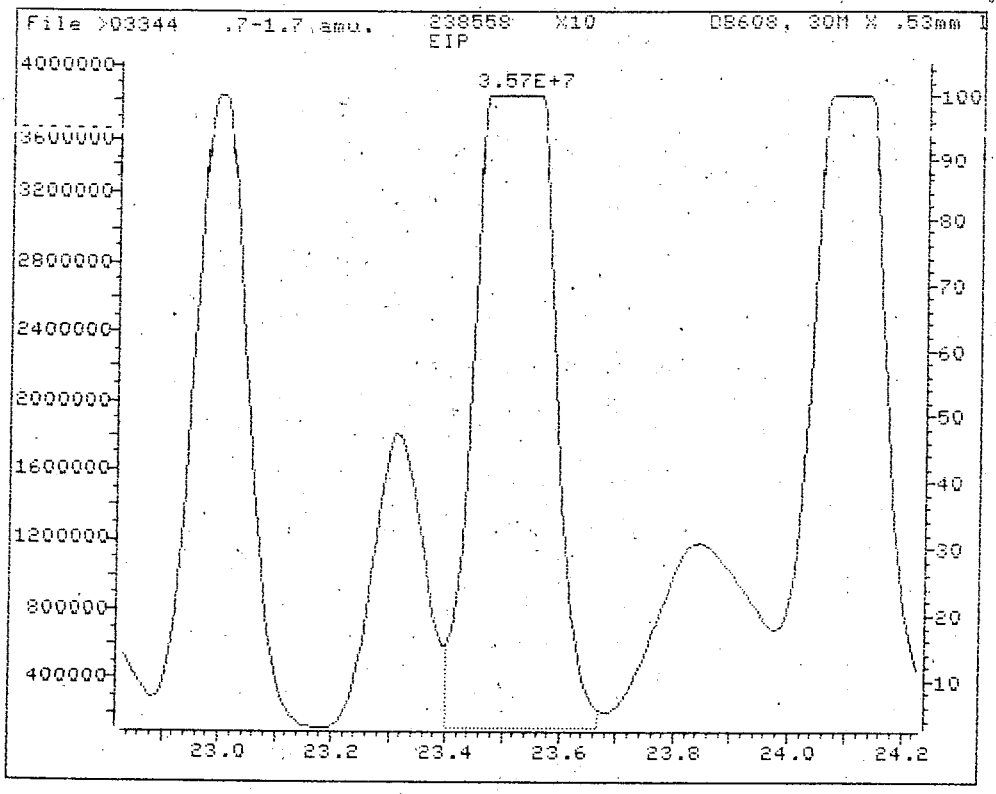
Page 2 of 2



Data File: >03344::F3 Quant Output File: ^03344::GQ
Name: 238558 X10 Instrument ID: GC03
Misc: DB608, 30M X .53mm INST 58903, 1ul INJ
Quant Time: 960715 11:37 Quant ID File: IDCAP5::SC
Injected at: 960715 10:46 Last Calibration: 941029 10:07

Compound No: 51
Compound Name: Aroclor-1254(2)
Scan Number: 2534
Retention Time: 21.12 min.
Quant Ion: 1.0
Area: 30001236M
Concentration: 5113.11 ng/ml
q-value: 100

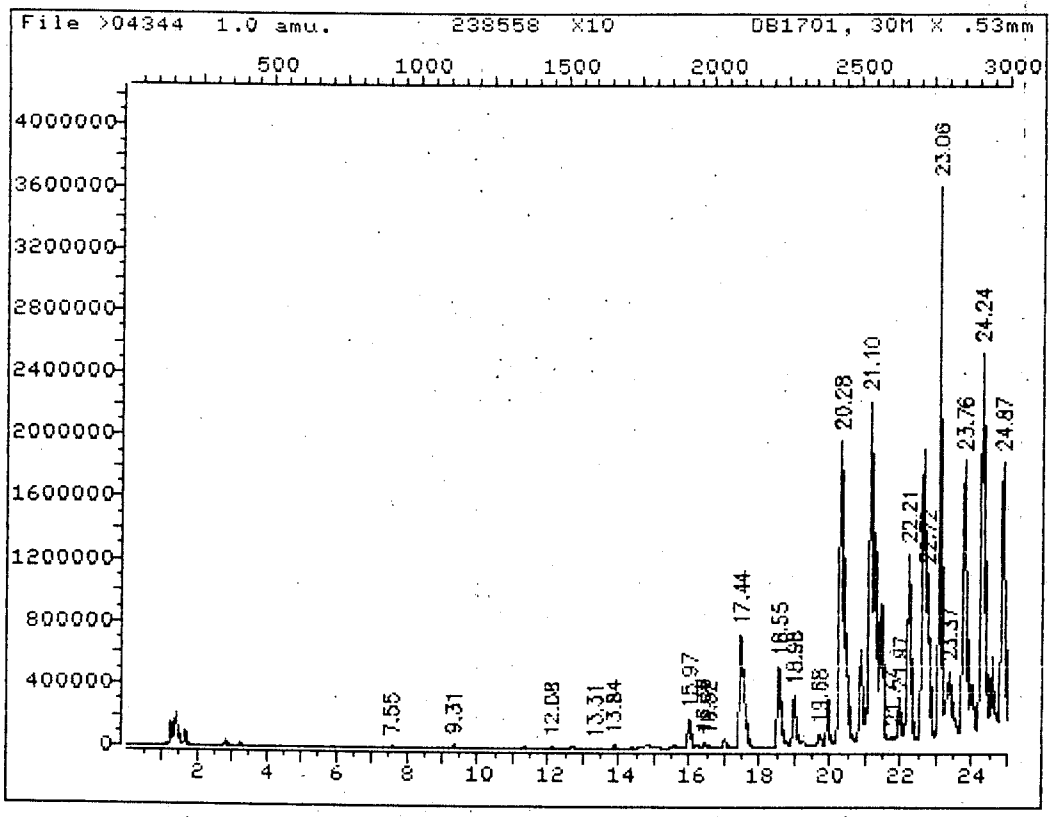
This report was produced by QAREA on: 960719 11:07



Data File: >03344::F3 Quant Output File: ^03344::GQ
Name: 238558 X10 Instrument ID: GC03
Misc: DB608, 30M X .53mm INST 58903, 1ul INJ
Quant Time: 960715 11:37 Quant ID File: IDCAP5::SC
Injected at: 960715 10:46 Last Calibration: 941029 10:07

Compound No: 53
Compound Name: Aroclor-1254(4)
Scan Number: 2823
Retention Time: 23.53 min.
Quant Ion: 1.0
Area: 35670920M
Concentration: 5519.34 ng/ml
q-value: 100

This report was produced by QAREA on: 960719 11:08

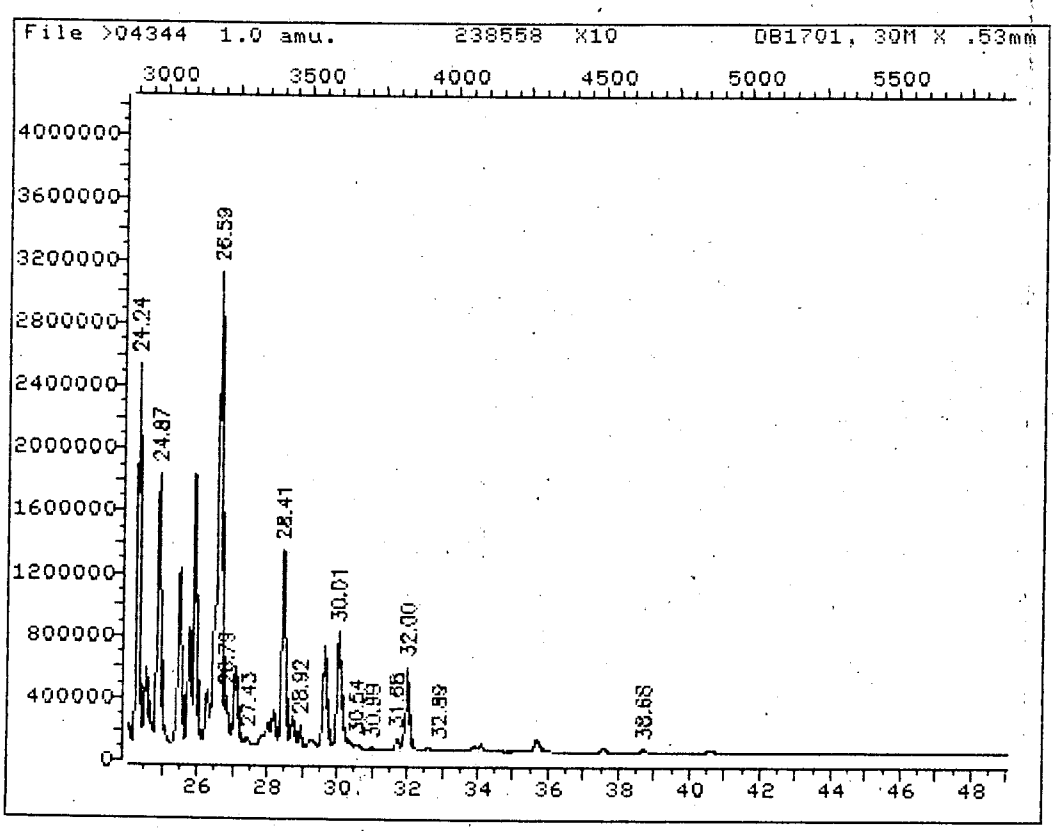


Data File: >04344::G1 Quant Output File: ^04344::GQ
Name: 238558 X10 Instrument ID: GC04
Misc: DB1701, 30M X .53mm INST 58903, 1ul INJ

Id File: IDCAP6::SC
Title: Capillary Column DB1701
Last Calibration: 941029 10:07 Last Qcal Time: 960713 22:00

Operator ID: TRFI2
Quant Time : 960715 11:39
Injected at: 960715 10:46

Page 1 of 2



Data File: >04344::G1 Quant Output File: ^04344::GQ
Name: 238558 X10 Instrument ID: GC04
Misc: DB1701, 30M X .53mm INST 58903, 1ul INJ

Id File: IDCAP6::SC
Title: Capillary Column DB1701
Last Calibration: 941029 10:07 Last Qcal Time: 960713 22:00

Operator ID: TRFI2
Quant Time : 960715 11:39
Injected at: 960715 10:46

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QUANT REPORT

perator ID: TRFI2 Quant Rev: 7 Quant Time: 960715 11:37
Output File: ^03344::GQ Injected at: 960715 10:46
Data File: >03344::F3 Dilution Factor: 1.00000
ame: 238558 X10 Instrument ID: GC03
isc: DB608, 30M X .53mm INST 58903, 1ul INJ

SS10

D File: IDCAP5::SC
itle: Capillary Column DB 608
Last Calibration: 941029 10:07 Last Qcal Time: 960713 22:00

Compound	R.T.	Scan#	Area	Conc	Units	q
1) #Tetrachloro-m-xylene	9.07	1089	437049	3.65	ng/ml	100
~~2) #alpha-BHC~~	12.47	1496	196111	1.32	ng/ml	100
~~3) #beta-BHC~~	14.83	1780	174564	2.13	ng/ml	100
~~4) #delta-BHC~~	16.43	1972	45137	.351	ng/ml	100
~~5) #gamma-BHC (Lindane)~~	14.40	1728	354683	2.85	ng/ml	100
~~6) #Heptachlor~~	16.02	1923	3645707	34.70	ng/ml	100
~~7) #Aldrin~~	17.38	2086	377711	2.83	ng/ml	100
~~8) #Heptachlor epoxide~~ NT	19.94	2393	3223544	25.82	ng/ml	100
~~9) #Endosulfan I~~	21.72	2606	5212242	49.11	ng/ml	100
~~10) #Dieldrin~~	23.00	2760	24436384	259.04	ng/ml	100
~~11) #4,4'-DDE~~	22.69	2723	17278568	187.12	ng/ml	100
~~12) #Endrin~~	24.83	2979	25358656	290.13	ng/ml	100
~~13) #Endosulfan II~~	25.86	3103	11069790	111.87	ng/ml	100
~~14) #4,4'-DDD~~	25.55	3066	1829346	29.63	ng/ml	100
~~15) #Endosulfan Sulfate~~	28.22	3386	1928750	21.93	ng/ml	100
~~16) #4,4'-DDT~~	27.06	3247	3453491	50.84	ng/ml	100
~~17) #Methoxychlor~~	32.46	3895	3910166	98.28	ng/ml	100
~~18) #Endrin ketone~~	32.68	3921	1096905	11.83	ng/ml	100
19) #Decachlorobiphenyl	41.63	4996	780601	6.75	ng/ml	100
~~20) #alpha-Chlordane~~ NT	21.45	2574	15154560	125.76	ng/ml	100
~~21) #gamma-Chlordane~~ NT	20.83	2499	23916000	197.79	ng/ml	100
~~22) #Toxaphene(1)~~ NT	23.84	2861	10762812	6735.94	ng/ml	100
~~23) #Aroclor-1016(1)~~ NP	12.29	1475	40982	14.35	ng/ml	100
~~24) #Aroclor-1221(1)~~ NP	8.06	967	89700	104.33	ng/ml	100
~~25) #Aroclor-1232(1)~~ NP	12.29	1475	40982	15.23	ng/ml	100
~~26) #Aroclor-1242(1)~~ NP	12.29	1475	40982	16.89	ng/ml	100
~~27) #Aroclor-1248(1)~~ NP	16.02	1923	3618310	480.30	ng/ml	100
28) #Aroclor-1254(1)	20.83	2499	23916000	4807.30	ng/ml	100
~~29) #Aroclor-1260(1)~~ NP	24.38	2926	21390472	3341.29	ng/ml	100
~~30) #Endrin aldehyde~~ NT	27.69	3323	6353141	78.54	ng/ml	100
~~31) #Toxaphene(2)~~ NT	27.69	3323	6353141	3800.79	ng/ml	100
~~32) #Toxaphene(3)~~ NT	28.22	3386	1928750	909.36	ng/ml	100
~~34) #Aroclor-1016(2)~~ NP	14.30	1716	324596	55.90	ng/ml	100
~~35) #Aroclor-1016(3)~~ NP	16.02	1923	3618310	323.79	ng/ml	100
~~36) #Aroclor-1016(4)~~ NP	16.77	2013	356212	92.53	ng/ml	100
~~37) #Aroclor-1016(5)~~ NP	19.00	2280	7104250	2100.40	ng/ml	100
~~38) #Aroclor-1221(2)~~ NP	11.27	1352	164635	101.31	ng/ml	100
~~39) #Aroclor-1221(3)~~ NP	12.29	1475	40982	11.06	ng/ml	100
~~40) #Aroclor-1232(2)~~ NP	14.30	1716	324596	115.62	ng/ml	100
~~41) #Aroclor-1232(3)~~ NP	16.02	1923	3618310	775.27	ng/ml	100

7/21/96

QUANT REPORT

Operator ID: TRFI2 Quant Rev: 7 Quant Time: 960715 11:37
Output File: ^03344::GQ Injected at: 960715 10:46
Data File: >03344::F3 Dilution Factor: 1.00000
Name: 238558 X10 Instrument ID: GC03
Misc: DB608, 30M X .53mm INST 58903, 1ul INJ

ID File: IDCAP5::SC
Title: Capillary Column DB 608
Last Calibration: 941029 10:07 Last Qcal Time: 960713 22:00

Compound	R.T.	Scan#	Area	Conc	Units	q
42) #~~Aroclor-1232(4)~~ ND	16.77	2013	356212	203.82	ng/ml	100
43) ~~#Aroclor-1242(2)~~ ND	14.30	1716	324596	70.12	ng/ml	100
44) ~~#Aroclor-1242(3)~~ ND	16.02	1923	3618310	408.03	ng/ml	100
45) ~~#Aroclor-1242(4)~~ ND	16.77	2013	356212	107.60	ng/ml	100
46) ~~#Aroclor-1242(5)~~ ND	19.00	2280	7104250	2428.58	ng/ml	100
47) ~~#Aroclor-1248(2)~~ ND	17.53	2104	7593244	2378.11	ng/ml	100
48) ~~#Aroclor-1248(3)~~ ND	19.00	2280	7104250	1726.14	ng/ml	100
49) ~~#Aroclor-1248(4)~~ ND	20.46	2455	7232858	1760.73	ng/ml	100
50) ~~#Aroclor-1248(5)~~ ND	21.72	2606	5212242	1190.14	ng/ml	100
51) #Aroclor-1254(2)	21.12	2534	30001236M	5113.11	ng/ml	100
52) #Aroclor-1254(3)	22.69	2723	17278568	9354.08	ng/ml	100
53) #Aroclor-1254(4)	23.53	2823	35670920M	5519.34	ng/ml	100
54) #Aroclor-1254(5)	24.83	2979	25358656	6939.02	ng/ml	100
55) ~~#Aroclor-1260(2)~~ ND	24.83	2979	25358656	3559.51	ng/ml	100
56) #Aroclor-1260(3) ND	26.54	3184	15438566	3353.71	ng/ml	100
57) ~~#Aroclor-1260(4)~~ ND	30.14	3616	14402930	1314.99	ng/ml	100
58) ~~#Aroclor-1260(5)~~ ND	32.89	3947	9117828	1849.58	ng/ml	100

Compound uses ESTD

7/21/96

QUANT REPORT

Operator ID: TRFI2 Quant Rev: 7 Quant Time: 960715 11:39
Output File: ^04344::GQ Injected at: 960715 10:46
Data File: >04344::G1 Dilution Factor: 1.00000
Name: 238558 X10 Instrument ID: GC04
Disc: DB1701, 30M X .53mm INST 58903, 1ul INJ

ID File: IDCAP6::SC
Title: Capillary Column DB1701
Last Calibration: 941029 10:07 Last Qcal Time: 960713 22:00

Compound	R.T.	Scan#	Area	Conc	Units	q
1) #Tetrachloro-m-xylene	9.31	1117	133648	3.27	ng/ml	100
~~2) #alpha-BHC~~	13.31	1597	12215	.375	ng/ml	100
~~3) #beta-BHC~~	18.55	2226	3525516	140.49	ng/ml	100
~~4) #delta-BHC~~	19.68	2361	563680	21.49	ng/ml	100
~~6) #Heptachlor~~	16.39	1967	173149	3.70	ng/ml	100
~~7) #Aldrin~~	17.44	2093	6440616	172.00	ng/ml	100
~~9) #Endosulfan I~~	21.77	2612	60799	1.74	ng/ml	100
~~10) #Dieldrin~~	23.37	2804	3510794	109.40	ng/ml	100
~~11) #4,4'-DDE~~	22.72	2726	5515677	194.78	ng/ml	100
~~12) #Endrin~~	24.24	2909	17396560	599.09	ng/ml	100
~~13) #Endosulfan II~~	26.79	3215	1927842	56.31	ng/ml	100
~~14) #4,4'-DDD~~	26.59	3190	27314856	1421.01	ng/ml	100
~~15) #Endosulfan Sulfate~~	30.54	3664	312088	11.37	ng/ml	100
~~16) #4,4'-DDT~~	27.43	3291	426667	24.41	ng/ml	100
~~17) #Methoxychlor~~	30.99	3719	36603	2.73	ng/ml	100
~~18) #Endrin ketone~~	32.89	3947	52050	1.64	ng/ml	100
19) #Decachlorobiphenyl	38.68	4642	262478	5.72	ng/ml	100
~~20) #alpha-Chlordane~~ NT	22.21	2665	7658960	183.83	ng/ml	100
~~21) #gamma-Chlordane~~ NT	21.97	2636	1366904	34.11	ng/ml	100
~~23) #Aroclor-1016(1)~~ NP	12.08	1450	44064	36.38	ng/ml	100
~~24) #Aroclor-1221(1)~~ NP	7.55	906	47599	62.27	ng/ml	100
~~25) #Aroclor-1232(1)~~ NP	7.55	906	47599	43.12	ng/ml	100
~~26) #Aroclor-1242(1)~~ NP	12.08	1450	44064	42.89	ng/ml	100
~~27) #Aroclor-1248(1)~~ NP	13.84	1661	124148	120.77	ng/ml	100
28) #Aroclor-1254(1)	17.44	2093	6440616	4062.04	ng/ml	100
~~29) #Aroclor-1260(1)~~ NP	23.76	2851	12195162	4914.37	ng/ml	100
~~30) #Endrin aldehyde~~ NT	28.92	3470	1028119	31.98	ng/ml	100
~~31) #Toxaphene(2)~~ NT	28.41	3409	9261628	13677.89	ng/ml	100
~~32) #Toxaphene(3)~~ NT	30.54	3664	319926	593.13	ng/ml	100
~~33) #Toxaphene(4)~~ NT	31.68	3801	536920	1035.94	ng/ml	100
~~34) #Aroclor-1016(2)~~ NP	13.84	1661	124148	50.26	ng/ml	100
~~35) #Aroclor-1016(3)~~ NP	15.97	1917	1197413	297.97	ng/ml	100
~~36) #Aroclor-1016(4)~~ NP	16.52	1983	99191	66.78	ng/ml	100
~~37) #Aroclor-1016(5)~~ NP	18.55	2226	3525516	1804.27	ng/ml	100
~~39) #Aroclor-1221(3)~~ NP	12.08	1450	44064	25.99	ng/ml	100
~~40) #Aroclor-1232(2)~~ NP	12.08	1450	44064	38.81	ng/ml	100
~~41) #Aroclor-1232(3)~~ NP	13.84	1661	124148	124.40	ng/ml	100
~~42) #Aroclor-1232(4)~~ NP	15.97	1917	1197413	735.50	ng/ml	100
~~43) #Aroclor-1242(2)~~ NP	13.84	1661	124148	64.20	ng/ml	100
~~44) #Aroclor-1242(3)~~ NP	15.97	1917	1197413	379.83	ng/ml	100

NT

7/21/96

QUANT REPORT

Operator ID: TRFI2 Quant Rev: 7 Quant Time: 960715 11:39
Output File: ^04344::GQ Injected at: 960715 10:46
Data File: >04344::G1 Dilution Factor: 1.00000
Name: 238558 X10 Instrument ID: GC04
Misc: DB1701, 30M X .53mm INST 58903, 1ul INJ

ID File: IDCAP6::SC
Title: Capillary Column DB1701
Last Calibration: 941029 10:07 Last Qcal Time: 960713 22:00

Compound	R.T.	Scan#	Area	Conc	Units	q
45) ~~#Aroclor-1242(4)~~ NP	16.52	1983	97755	85.42	ng/ml	100
46) ~~#Aroclor-1242(5)~~ NP	17.44	2093	6440616	7534.38	ng/ml	100
47) ~~#Aroclor-1248(2)~~ NP	15.97	1917	1197413	443.33	ng/ml	100
48) ~~#Aroclor-1248(3)~~ NP	18.55	2226	3525516	1456.53	ng/ml	100
49) ~~#Aroclor-1248(4)~~ NP	18.98	2277	2015169	1102.73	ng/ml	100
50) ~~#Aroclor-1248(5)~~ NP	20.28	2434	13476888	11813.54	ng/ml	100
51) #Aroclor-1254(2)	20.28	2434	13476888	6272.00	ng/ml	100
52) #Aroclor-1254(3)	21.10	2532	13207378	7187.26	ng/ml	100
53) #Aroclor-1254(4)	23.06	2767	22696976	8736.83	ng/ml	100
54) #Aroclor-1254(5)	23.76	2851	12195162	8573.71	ng/ml	100
55) ~~#Aroclor-1260(2)~~ NP	24.87	2984	12336626	4321.63	ng/ml	100
56) ~~#Aroclor-1260(3)~~ NP	28.41	3409	9087392	5464.23	ng/ml	100
57) ~~#Aroclor-1260(4)~~ NP	30.01	3601	6230056	1456.45	ng/ml	100
58) ~~#Aroclor-1260(5)~~ NP	32.00	3840	5143903	1866.19	ng/ml	100

Compound uses ESTD

7/21/96

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS10 DC

Lab Name: ICM Contract:

Lab Code: ICM Case No.: SAS No.: SDG No.: RIN1A

Matrix: (soil/water) SOIL Lab Sample ID: 238558

Sample wt/vol: 30.6 (g/mL) G Lab File ID: 03330

% Moisture: 63. decanted: (Y/N) N Date Received: 06/28/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 07/03/96

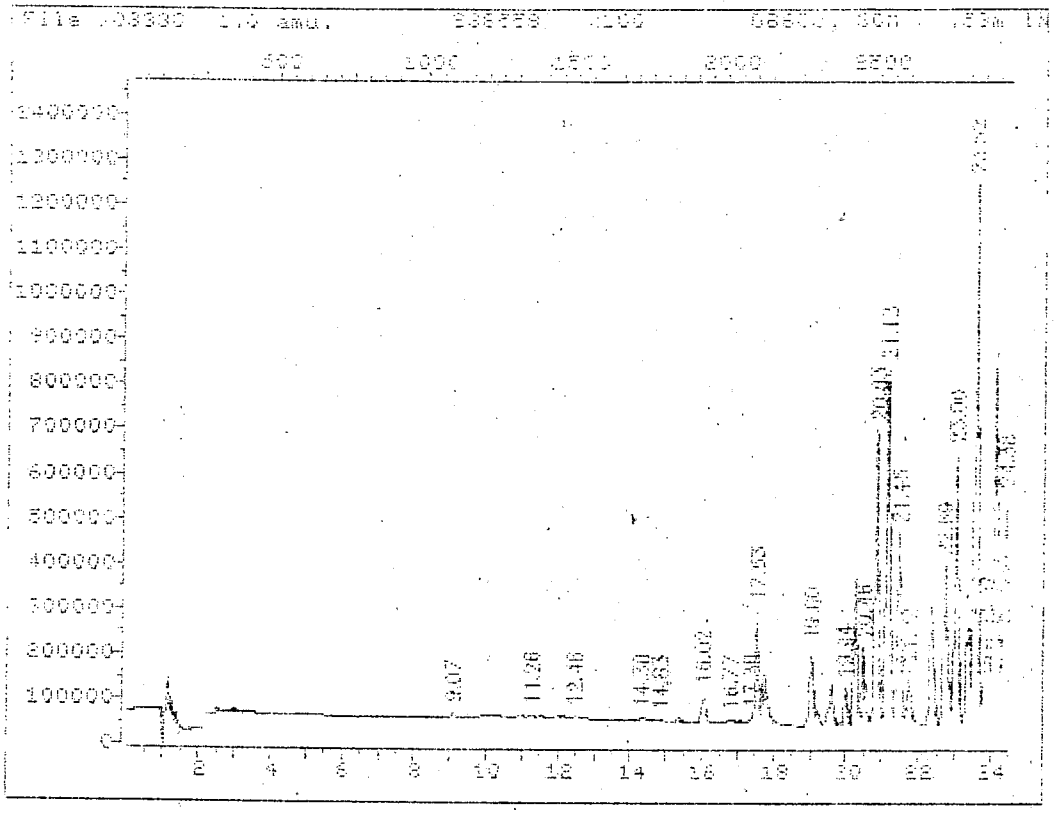
Concentrated Extract Volume: 5000 (uL) Date Analyzed: 07/14/96

Injection Volume: 1.0 (uL) Dilution Factor: 100.0

GPC Cleanup: (Y/N) Y pH: 7.7 Sulfur Cleanup: (Y/N) N

Do not use these data.

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
319-84-6	alpha-BHC	450.	U
319-85-7	beta-BHC	450.	U
319-86-8	delta-BHC	450.	U
58-89-9	gamma-BHC (Lindane)	450.	U
76-44-8	Heptachlor	450.	U
309-00-2	Aldrin	450.	U
1024-57-3	Heptachlor epoxide	450.	U
959-98-8	Endosulfan I	450.	U
60-57-1	Dieldrin	870.	U
72-55-9	4,4'-DDE	870.	U
72-20-8	Endrin	870.	U
33213-65-9	Endosulfan II	870.	U
72-54-8	4,4'-DDD	870.	U
1031-07-8	Endosulfan Sulfate	870.	U
50-29-3	4,4'-DDT	870.	U
72-43-5	Methoxychlor	4500.	U
53494-70-5	Endrin ketone	870.	U
7421-93-4	Endrin aldehyde	870.	U
5103-71-9	alpha-Chlordane	450.	U
5103-74-2	gamma-Chlordane	450.	U
8001-35-2	Toxaphene	45000.	U
12674-11-2	Aroclor-1016	8700.	U
11104-28-2	Aroclor-1221	18000.	U
11141-16-5	Aroclor-1232	8700.	U
53469-21-9	Aroclor-1242	8700.	U
12672-29-6	Aroclor-1248	8700.	U
11097-69-1	Aroclor-1254	100000.	
11096-82-5	Aroclor-1260	8700.	U

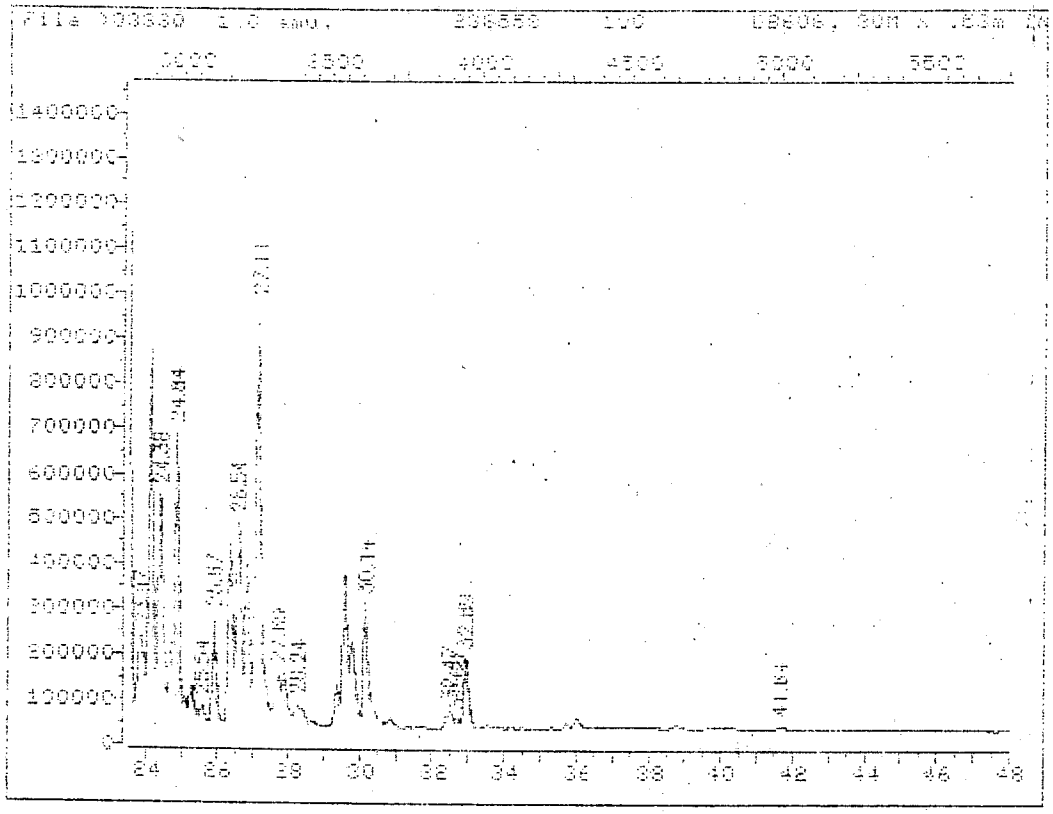


Data File: ^03350::F5 Quant Output File: ^03350::GQ
Name: 158558 x100 Instrument ID: GC05
Misc: DB608, 30M X .53m INST 58903; 1ul INJ

Id File: LDCAP5::SC
Title: Capillary Column DB 608
Last Calibration: 941029 10:07 Last Qual Time: 960702 00:13

Operator ID: TRFIZ
Quant Time : 960714 22:48
Injected at: 960714 21:58

Page 1 of 2

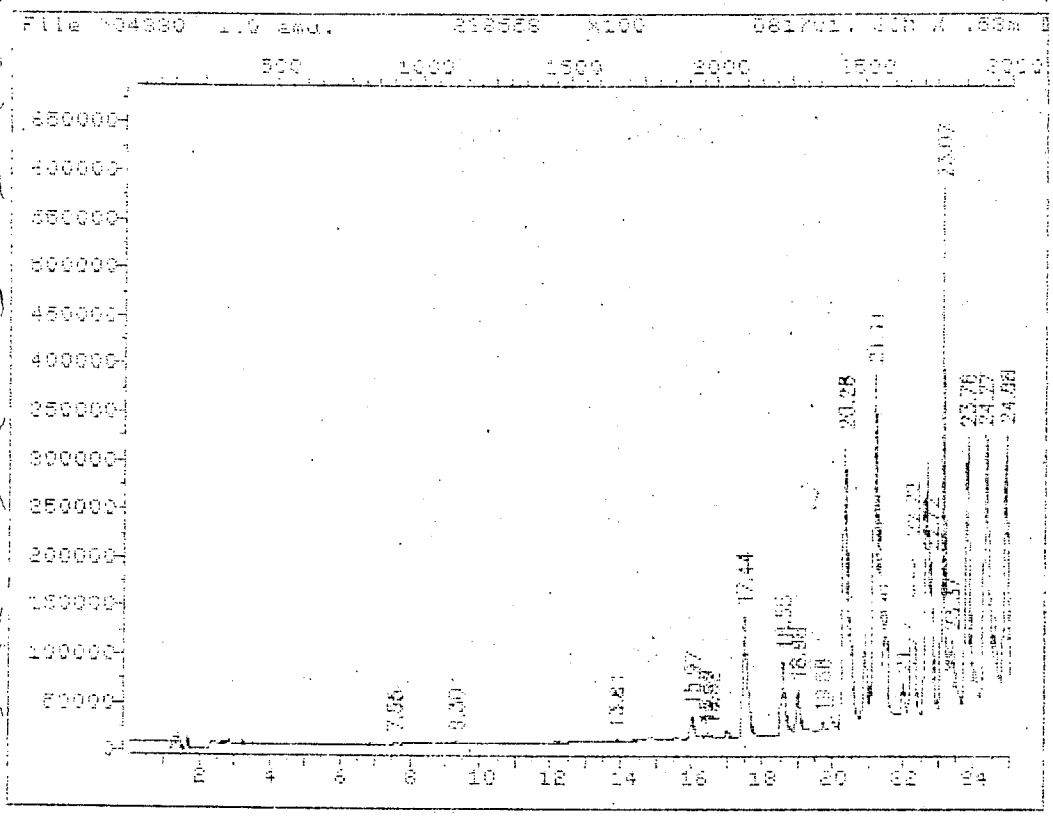


Data File: >03330::F3 Quant Output File: ^03330::GQ
Name: 238558 x100 Instrument ID: GC03
Misc: DB606, 30M X .53m INST 58903, 1ul INJ

Id File: 'DCAP5::GC
Title: Capillary Column OE 608
Last Calibration: 941029 11:07 Last Qcal Time: 960702 00:13

Operator ID: TRFI2
Quant Time : 960714 22:48
Injected at: 960714 21:58

Page 2 of 2

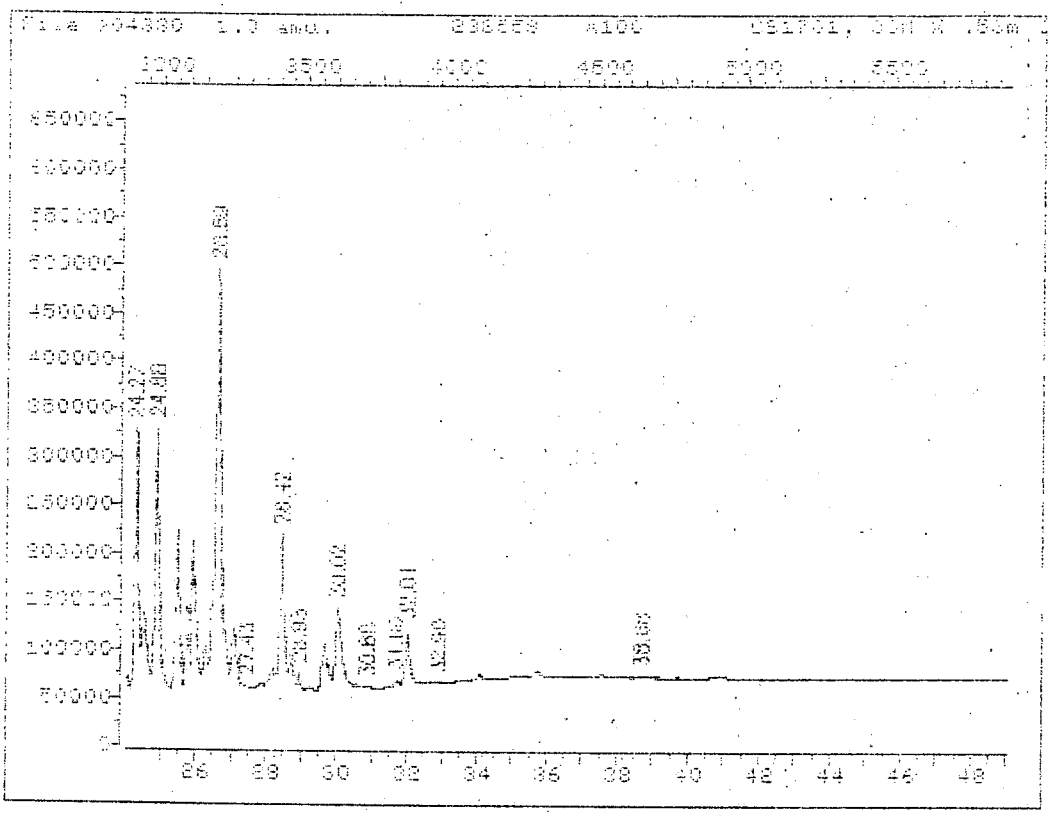


Data File: ^04330::G1 Quant Output File: ^04530::G0
Name: TT8558 X100 Instrument ID: GC04
Misc: 081701, 30M X .55m INST 58903, 1ul INJ

Id File: IDCAP6::SC
Title: Capillary Column 081701
Last Calibration: 941025 10:07 Last Cal Time: 960701 21:25

Operator ID: TRFIE
Quant Time : 960714 22:50
Injected at: 960714 21:58

Page 1 of 2



Data File: 004330::G1 Quant Output File: 004330::G0
Name: 139558 X100 Instrument ID: GC04
Misc: DB1701, 30M X .55m INST 58903, 1ul INJ

Id File: TDCAP6::SC
Title: Capillary Column DB1701
Last Calibrated: 941029 10:07 Last Inst Time: 960701 21:23

Operator ID: TRF12
Quant Time : 960714 22:50
Injected at: 960714 21:58

Page 2 of 2

Operator ID: TRFI2 Quant Rev: 7 Quant Time: 960715 09:10
Output File: ^C5330::SC Injection Date: 960714 21:58
Data File: >C5330::F3 Dilution Factor: 1.00000
Name: 233356 x100 Instrument ID: GC05
Misc: CS606, 30M X .53m INST #2905, 1ul INJ

SS10

ID File: ID3PS::SC
Title: Capillary Column DB 608
Last Calibration: 941029 10:07 Last Cal Time: 960713 22:00

	Compound	R.T.	Scan#	Area	Conc	Units	q
1)	#Tetrachloro-m-xylene	9.07	1088	51256	.428	ng/ml	100
2)	#~~alpha-BHC~~	12.46	1495	28583	.192	ng/ml	100
3)	#~~beta-BHC~~	14.83	1780	26430	.323	ng/ml	100
4)	#~~gamma-BHC (Lindane)~~	14.30	1716	20752	.150	ng/ml	100
6)	#~~Heptachlor~~	16.02	1923	541691	5.16	ng/ml	100
7)	#~~Aldrin~~	17.38	2085	45532	.341	ng/ml	100
8)	#~~Heptachlor epoxide~~	19.94	2393	473733	3.79	ng/ml	100
9)	#~~Endosulfan I~~	21.72	2606	785748	7.40	ng/ml	100
10)	#~~Dieldrin~~	23.00	2760	3896258	41.30	ng/ml	100
11)	#~~4,4'-DDE~~	22.69	2723	2779970	30.11	ng/ml	100
12)	#~~Endrin~~	24.84	2980	4329296	49.53	ng/ml	100
13)	#~~Endosulfan II~~	25.87	3104	1638290	16.56	ng/ml	100
14)	#~~4,4'-DDD~~	25.54	3065	287161	4.65	ng/ml	100
15)	#~~Endosulfan Sulfate~~	28.24	3389	215714	2.45	ng/ml	100
16)	#~~4,4'-DDT~~	27.11	3253	9008072	103.17	ng/ml	100
17)	#~~Methoxychlor~~	32.47	3896	545410	13.71	ng/ml	100
18)	#~~Endrin ketone~~	32.69	3921	139414	1.50	ng/ml	100
19)	#Decachlorobiphenyl	41.64	4997	72153	.624	ng/ml	100
20)	#~~alpha-Chlordane~~	21.45	2574	2700052	22.41	ng/ml	100
21)	#~~gamma-Chlordane~~	20.83	2499	4211456	54.03	ng/ml	100
22)	#~~Toxaphene(1)~~	23.87	2864	1339026	963.20	ng/ml	100
23)	#~~Aroclor-1016(1)~~	12.46	1495	29672	10.39	ng/ml	100
25)	#~~Aroclor-1232(1)~~	12.46	1495	29672	11.02	ng/ml	100
26)	#~~Aroclor-1242(1)~~	12.46	1495	29672	12.23	ng/ml	100
27)	#~~Aroclor-1248(1)~~	16.02	1923	538648	71.50	ng/ml	100
28)	#Aroclor-1254(1)	20.83	2499	4211486	846.54	ng/ml	100
29)	#~~Aroclor-1260(1)~~	24.38	2926	4109957	641.99	ng/ml	100
30)	#~~Endrin aldehyde~~	27.69	3323	794835	9.33	ng/ml	100
31)	#~~Toxaphene(2)~~	27.69	3323	811656	485.58	ng/ml	100
32)	#~~Toxaphene(3)~~	28.24	3389	215714	101.70	ng/ml	100
34)	#~~Aroclor-1016(2)~~	14.30	1716	23023	3.97	ng/ml	100
35)	#~~Aroclor-1016(3)~~	16.02	1923	538648	48.20	ng/ml	100
36)	#~~Aroclor-1016(4)~~	16.77	2012	82099	21.33	ng/ml	100
37)	#~~Aroclor-1016(5)~~	19.00	2280	1123353	332.12	ng/ml	100
38)	#~~Aroclor-1221(2)~~	11.26	1351	15682	9.65	ng/ml	100
39)	#~~Aroclor-1221(3)~~	12.46	1495	29672	8.00	ng/ml	100
40)	#~~Aroclor-1232(2)~~	14.30	1716	23023	3.20	ng/ml	100
41)	#~~Aroclor-1232(3)~~	16.02	1923	538648	115.41	ng/ml	100
42)	#~~Aroclor-1232(4)~~	16.77	2012	82099	46.98	ng/ml	100
43)	#~~Aroclor-1242(2)~~	14.30	1716	23023	4.97	ng/ml	100

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7/16/96

QUANT REPORT

Operator ID: [illegible]
Output File: [illegible]
Data File: [illegible]
Name: [illegible] x100
Disc: DS608, 30M X 53m INST [illegible], 1ul [illegible]

Quant Rev: 7
Quant Time: 960715 09:10
Injected at: 960714 21:58
Dilution Factor: 1.00000
Instrument ID: [illegible]

ID File: IDCAP5::SC
Title: Capillary Column DB 608
Last Calibration: 941029 10:07
Last Qcal Time: 960713 22:00

	Compound	R.T.	Scan#	Area	Conc	Units	q
44)	~~#Aroclor-1242(3)~~	16.02	1923	538648	60.74	ng/ml	100
45)	~~#Aroclor-1242(4)~~ NP	16.77	2012	82090	24.80	ng/ml	100
46)	~~#Aroclor-1242(5)~~	19.00	2280	1123353	384.02	ng/ml	100
47)	~~#Aroclor-1248(2)~~	17.53	2103	1437857	450.32	ng/ml	100
48)	~~#Aroclor-1248(3)~~	19.00	2280	1123353	272.94	ng/ml	100
49)	~~#Aroclor-1248(4)~~ NP	20.46	2455	1144121	278.52	ng/ml	100
50)	~~#Aroclor-1248(5)~~	21.72	2606	785748	179.41	ng/ml	100
51)	#Aroclor-1254(2)	21.15	2535	5596168	953.76	ng/ml	100
52)	#Aroclor-1254(3)	22.69	2723	2779970	1504.99	ng/ml	100
53)	#Aroclor-1254(4)	23.52	2822	7844354	1213.76	ng/ml	100
54)	#Aroclor-1254(5)	24.84	2980	4329296	1184.65	ng/ml	100
55)	~~#Aroclor-1260(2)~~	24.84	2980	4329296	607.69	ng/ml	100
56)	~~#Aroclor-1260(3)~~ NP	26.54	3184	3310143	719.06	ng/ml	100
57)	~~#Aroclor-1260(4)~~	30.14	3616	2267372	207.01	ng/ml	100
58)	~~#Aroclor-1260(5)~~	32.89	3947	1320785	267.93	ng/ml	100

Compound uses ESTD

EPuci
7/16/96

QUAN REPORT

Operator ID: TRF12 Quant Rev: 7 Quant Time: 960715 09:57
Output File: >04330::SQ Injected at: 960714 21:58
Data File: >04330::21 Dilution Factor: 1.00000
Name: 235518 X10C Instrument ID: SC04
Mode: DB1701, 30M X .53m INST 58703, 1ul INJ

ID File: IDCAP6::SC
Title: Capillary Column DB1701
Last Calibration: 941029 10:07 Last Cal Time: 960713 22:00

	Compound	R.T.	Scan#	Area	Conc	Units	q
1)	#Tetrachloro-m-xylene	9.30	1116	17991	.440	ng/ml	100
3)	#~~Lindane EHC~~	18.55	2226	580909	23.15	ng/ml	100
4)	#~~Dieldrin EHC~~	19.65	2361	42064	2.37	ng/ml	100
5)	#~~Heptachlor~~	16.39	1967	24882	.532	ng/ml	100
7)	#~~Aldrin~~	17.44	2093	1256780	30.89	ng/ml	100
10)	#~~Dieldrin~~	23.37	2804	298737	9.31	ng/ml	100
11)	#~~4,4'-DDE~~	22.72	2726	870965	30.76	ng/ml	100
12)	#~~Endrin~~	24.27	2912	2419883	83.33	ng/ml	100
13)	#~~Endosulfan II~~	26.59	3191	3641871	106.38	ng/ml	100
14)	#~~4,4'-DDD~~	26.59	3191	3641871	189.46	ng/ml	100
16)	#~~4,4'-DDT~~	27.43	3291	19400	1.11	ng/ml	100
17)	#~~Methoxychlor~~	30.88	3705	7989	.597	ng/ml	100
18)	#~~Endrin ketone~~	32.90	3948	6294	.198	ng/ml	100
19)	#Decachlorobiphenyl	38.68	4641	25157	.549	ng/ml	100
20)	#~~alpha Chlordane~~ NT	22.22	2666	1154311	27.71	ng/ml	100
21)	#~~gamma Chlordane~~ NT	21.97	2636	184350	4.60	ng/ml	100
24)	#~~Aroclor-1221(1)~~ NP	7.55	906	6731	8.81	ng/ml	100
25)	#~~Aroclor-1232(1)~~ NP	7.55	906	6731	6.10	ng/ml	100
27)	#~~Aroclor-1248(1)~~ NP	13.84	1661	18069	17.58	ng/ml	100
28)	#Aroclor-1254(1)	17.44	2093	1154996	728.45	ng/ml	100
29)	#~~Aroclor-1260(1)~~ NP	23.74	2851	1974945	795.86	ng/ml	100
30)	#~~Endrin aldehyde~~ NT	28.93	3471	133264	4.14	ng/ml	100
31)	#~~Toxaphene(2)~~ NP	28.42	3410	1294203	1911.32	ng/ml	100
33)	#~~Toxaphene(4)~~ NP	31.69	3802	68212	131.61	ng/ml	100
34)	#~~Aroclor-1016(2)~~	13.84	1661	18069	7.31	ng/ml	100
35)	#~~Aroclor-1016(3)~~	15.97	1917	161128	40.10	ng/ml	100
36)	#~~Aroclor-1016(4)~~ NP	16.52	1983	12769	9.60	ng/ml	100
37)	#~~Aroclor-1016(5)~~	18.55	2226	580909	297.29	ng/ml	100
41)	#~~Aroclor-1232(3)~~ NP	13.84	1661	18069	18.11	ng/ml	100
42)	#~~Aroclor-1232(4)~~ NP	15.97	1917	161128	98.97	ng/ml	100
43)	#~~Aroclor-1242(2)~~	13.84	1661	18069	9.54	ng/ml	100
44)	#~~Aroclor-1242(3)~~	15.97	1917	161128	51.11	ng/ml	100
45)	#~~Aroclor-1242(4)~~ NP	16.52	1983	12551	10.97	ng/ml	100
46)	#~~Aroclor-1242(5)~~	17.44	2093	1154996	1351.14	ng/ml	100
47)	#~~Aroclor-1248(2)~~	15.97	1917	161128	59.66	ng/ml	100
48)	#~~Aroclor-1248(3)~~	18.55	2226	560907	240.00	ng/ml	100
49)	#~~Aroclor-1248(4)~~ NP	18.98	2277	270681	148.12	ng/ml	100
50)	#~~Aroclor-1248(5)~~	20.28	2434	2195571	1915.61	ng/ml	100
51)	#Aroclor-1254(2)	20.28	2434	2195331	1017.03	ng/ml	100
52)	#Aroclor-1254(3)	21.11	2535	2223881	1210.20	ng/ml	100

EPNa 7/14/96

QUANT REPORT Page 2

Operator ID: TRFI2 Quant Rev: 7 Quant Time: 960715 09:57
Output File: 04350::GQ Injected at: 960714 21:58
Data File: >04350::G1 Dilution Factor: 1.00000
Name: 138558 X100 Instrument ID: GC04
Misc: 081701. 30M X .35m INST 58903. 1ul INJ

ID File: IDCAP6::SC
Title: Capillary Column 081701
Last Calibration: 941007 10:07 Last Qcal Time: 960713 22:00

Compound	R.T.	Scan#	Area	Conc	Units	q
53) #Aroclor-1254(4)	23.07	2768	3604068	1387.33	ng/ml	100
54) #Aroclor-1254(5)	23.76	2851	1974945	1388.47	ng/ml	100
55) ~~#Aroclor-1260(2)~~	24.08	2985	2097552	734.79	ng/ml	100
56) ~~#Aroclor-1260(3)~~	28.42	3410	1289[illegible]	775.38	ng/ml	100
57) ~~#Aroclor-1260(4)~~	30.02	3602	920122	215.10	ng/ml	100
58) ~~#Aroclor-1260(5)~~	32.01	3841	681523	247.26	ng/ml	100

UP

Compound uses ESTD

EPrice
7/16/96

QUANT REPORT

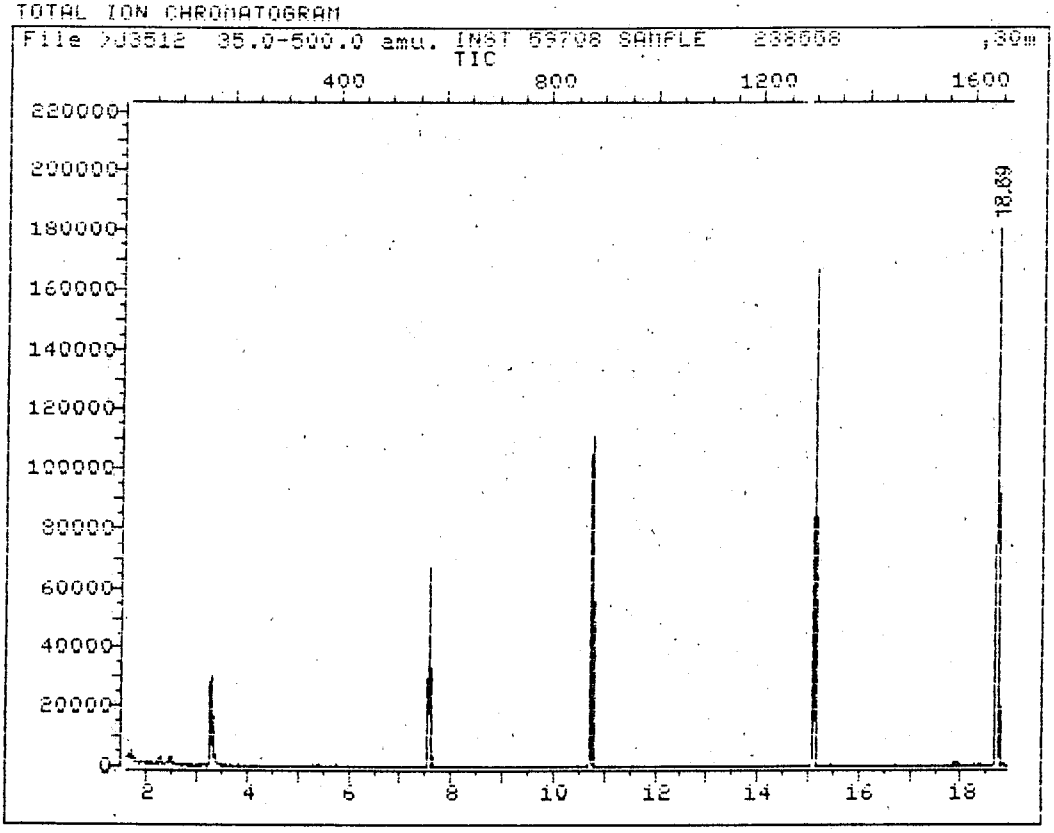
Operator ID: GT0101 Quant Rev: 7 Quant Time: 960718 16:36
Output File: ^J3512::QT Injected at: 960718 16:00
Data File: >J3512::D4 Dilution Factor: 1.00000
Name: INST 59708 SAMPLE Instrument ID: 5970 "J"
Misc: 238558 ,30m SPB-5 CAP COLUMN BTL# 9

ID File: IDPEST::D1
Title: CLP PESTICIDE CONFIRMATION FILE
Last Calibration: : Last Qcal Time: 960531 11:41

	Compound	R.T.	Q ion	Area	Conc	Units	q
1)	*Phenanthrene-d10	18.69	188.0	132031	40.00	UG/ML	100

* Compound is ISTD

TOTAL ION CHROMATOGRAM



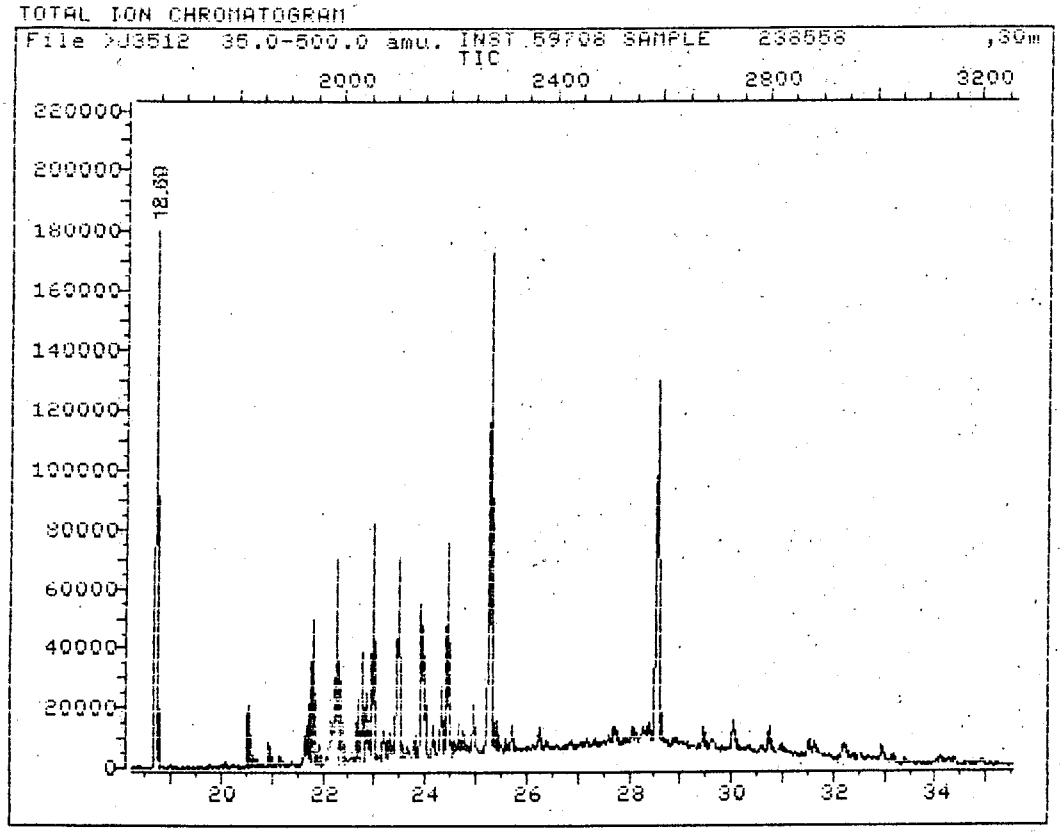
Data File: >J3512::D4 Quant Output File: ^J3512::QT
Name: INST 59708 SAMPLE Instrument ID: 5970 "J"
Misc: 238558 ,30m SPB-5 CAP COLUMN BTL# 9

Id File: IDPEST::D1
Title: CLP PESTICIDE CONFIRMATION FILE
Last Calibration: : Last Qcal Time: 960531 11:41

Operator ID: GT0101
Quant Time : 960718 16:36
Injected at: 960718 16:00

Page 1 of 2

TOTAL ION CHROMATOGRAM

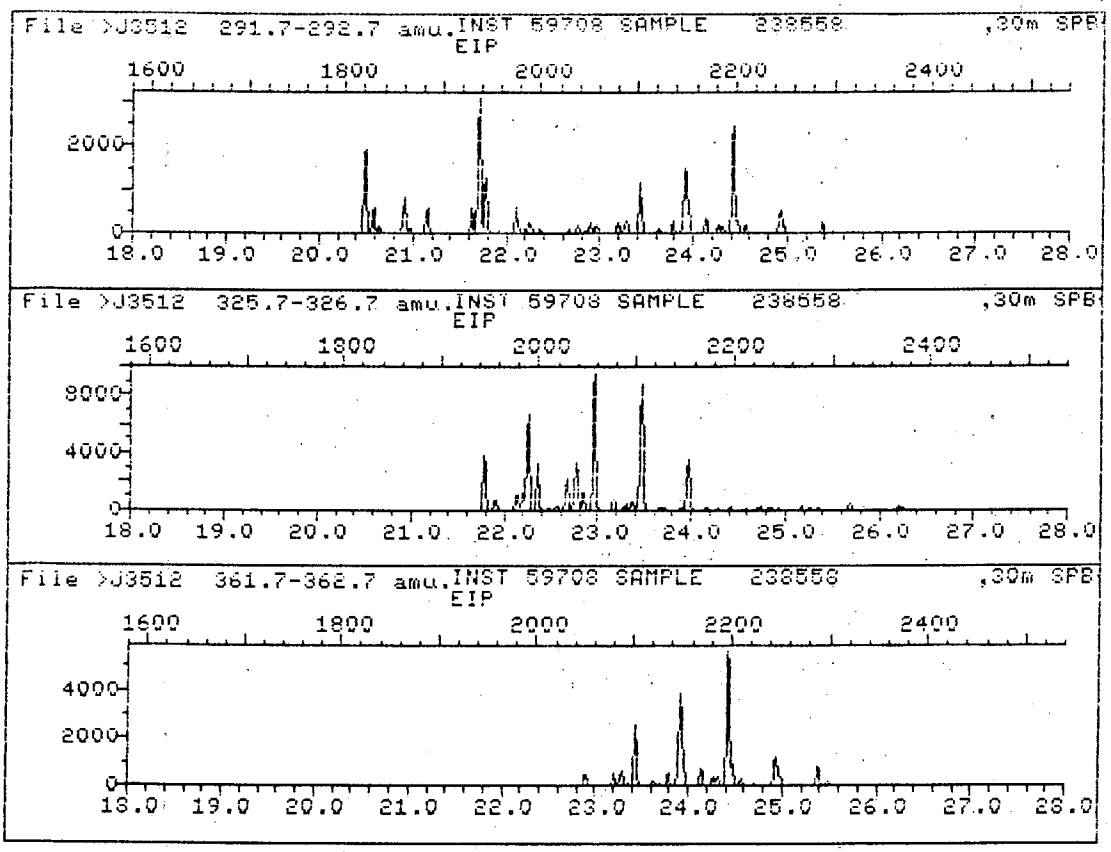


Data File: >J3512::D4 Quant Output File: ^J3512::QT
Name: INST 59708 SAMPLE Instrument ID: 5970 "J"
Misc: 238558 ,30m SPB-5 CAP COLUMN BTL# 9

Id File: IDPEST::D1
Title: CLP PESTICIDE CONFIRMATION FILE
Last Calibration: : Last Qcal Time: 960531 11:41

Operator ID: GT0101
Quant Time : 960718 16:36
Injected at: 960718 16:00

Page 2 of 2



MS data file header from : >J3512::D4

Sample: INST 59708 SAMPLE Operator: GT0101 SUPER GRP. 7/18/96 16:00
Misc : 238558 ,30m SPB-5 CAP COLUMN BTL# 9
Sys. #: 1 MS model: 70 SW/HW rev.: LF ALS # : 9 Equip ID: 5970 "J"
Method file: BNPJ Tuning file: MTA008 No. of extra records: 2
Source temp.: N/A Analyzer temp.: N/A Transfer line temp. : 0

Chromatographic temperatures :	40.	280.	300.	0.	0.
Chromatographic times, min. :	4.0	1.0	20.0	0.0	0.0
Chromatographic rate, deg/min:	10.0	10.0	0.0	0.0	0.0

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS11

Lab Name: ICM Contract:

Lab Code: ICM Case No.: SAS No.: SDG No.: RIN1A

Matrix: (soil/water) SOIL Lab Sample ID: 238560

Sample wt/vol: 30.5 (g/mL) G Lab File ID: 03430

% Moisture: 11. decanted: (Y/N) N Date Received: 06/28/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 07/03/96

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 07/22/96

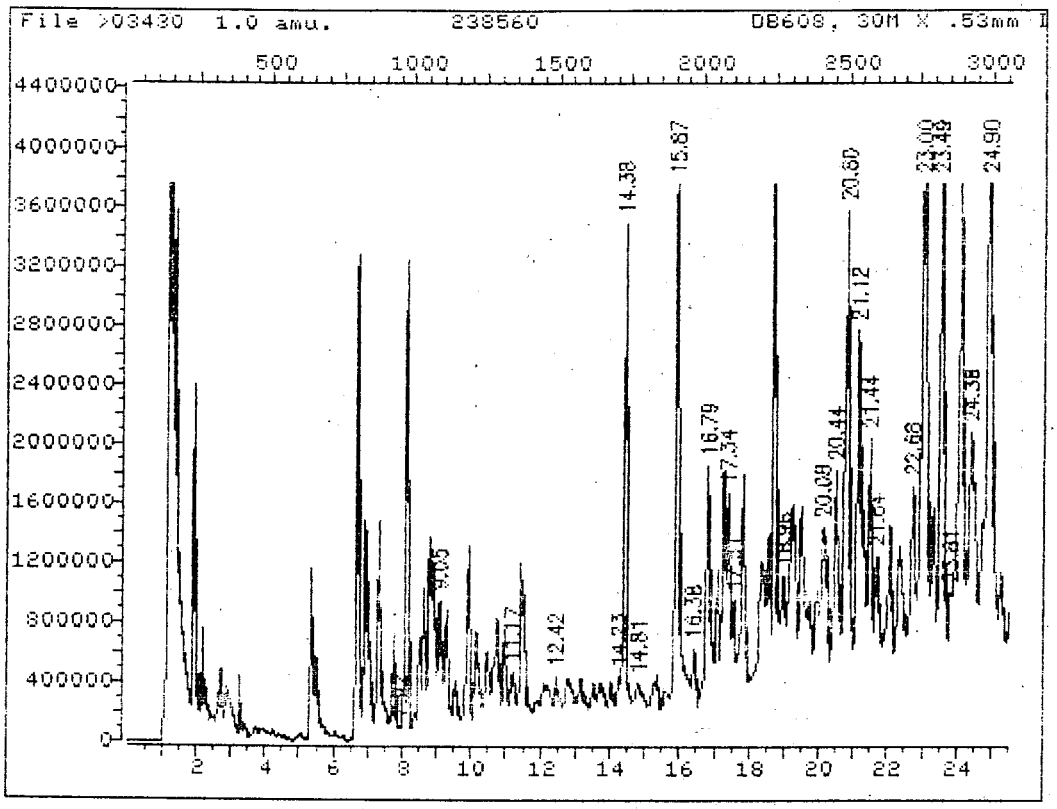
Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.9 Sulfur Cleanup: (Y/N) N

Use these date.

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
319-84-6	alpha-BHC	1.9	U
319-85-7	beta-BHC	1.9	U
319-86-8	delta-BHC	1.9	U
58-89-9	gamma-BHC (Lindane)	1.9	U
76-44-8	Heptachlor	1.9	U
309-00-2	Aldrin	1.9	U
1024-57-3	Heptachlor epoxide	1.9	U
959-98-8	Endosulfan I	1.9	U
60-57-1	Dieldrin	3.6	U
72-55-9	4,4'-DDE	3.6	U
72-20-8	Endrin	3.6	U
33213-65-9	Endosulfan II	3.6	U
72-54-8	4,4'-DDD	3.6	U
1031-07-8	Endosulfan Sulfate	3.6	U
50-29-3	4,4'-DDT	3.6	U
72-43-5	Methoxychlor	19.	U
53494-70-5	Endrin ketone	3.6	U
7421-93-4	Endrin aldehyde	3.6	U
5103-71-9	alpha-Chlordane	1.9	U
5103-74-2	gamma-Chlordane	1.9	U
8001-35-2	Toxaphene	190.	U
12674-11-2	Aroclor-1016	36.	U
11104-28-2	Aroclor-1221	74.	U
11141-16-5	Aroclor-1232	36.	U
53469-21-9	Aroclor-1242	36.	U
12672-29-6	Aroclor-1248	36.	U
11097-69-1	Aroclor-1254	1700 ~~1500.~~	D*
11096-82-5	Aroclor-1260	36.	U

D* value transferred from diluted analysis SS11DL 10 x D/F.



Data File: >03430::G2 Quant Output File: ^03430::GQ
Name: 238560 Instrument ID: GC03
Misc: DB608, 30M X .53mm INST 58903, 1ul INJ

Id File: IDCAP5::SC
Title: Capillary Column DB 608
Last Calibration: 941029 10:07 Last Qcal Time: 960713 22:00

Operator ID: TRFI2
Quant Time : 960722 14:25
Injected at: 960722 13:31

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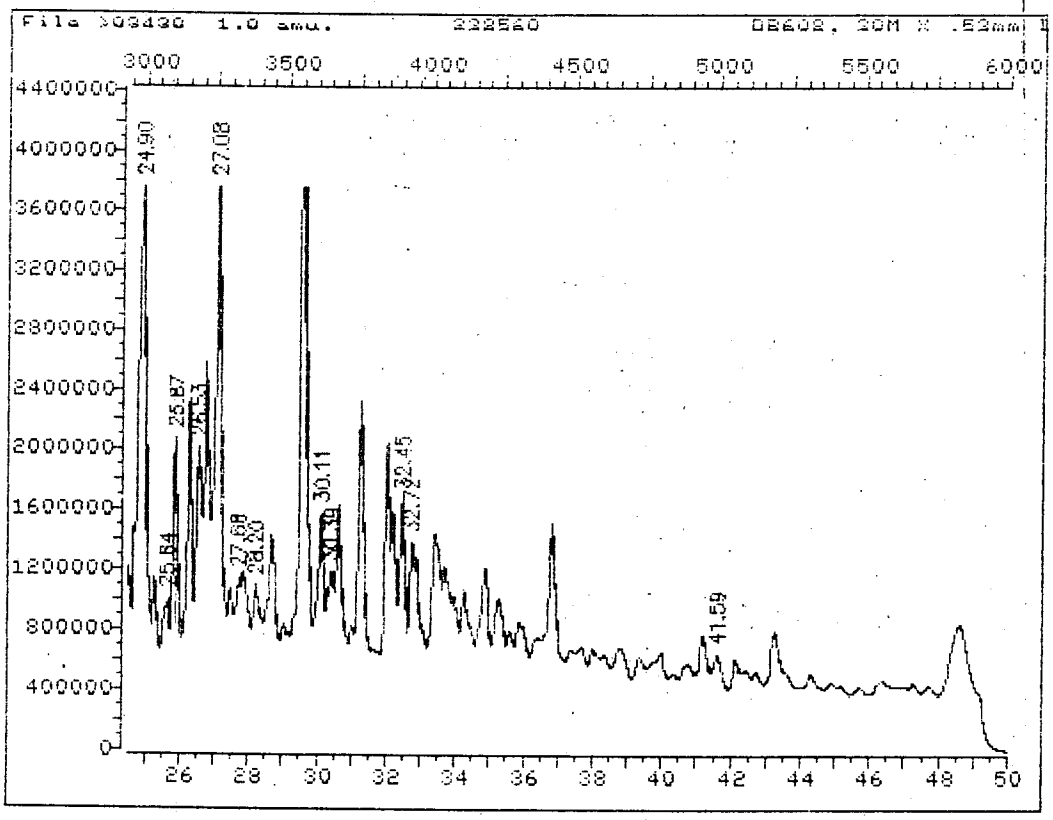
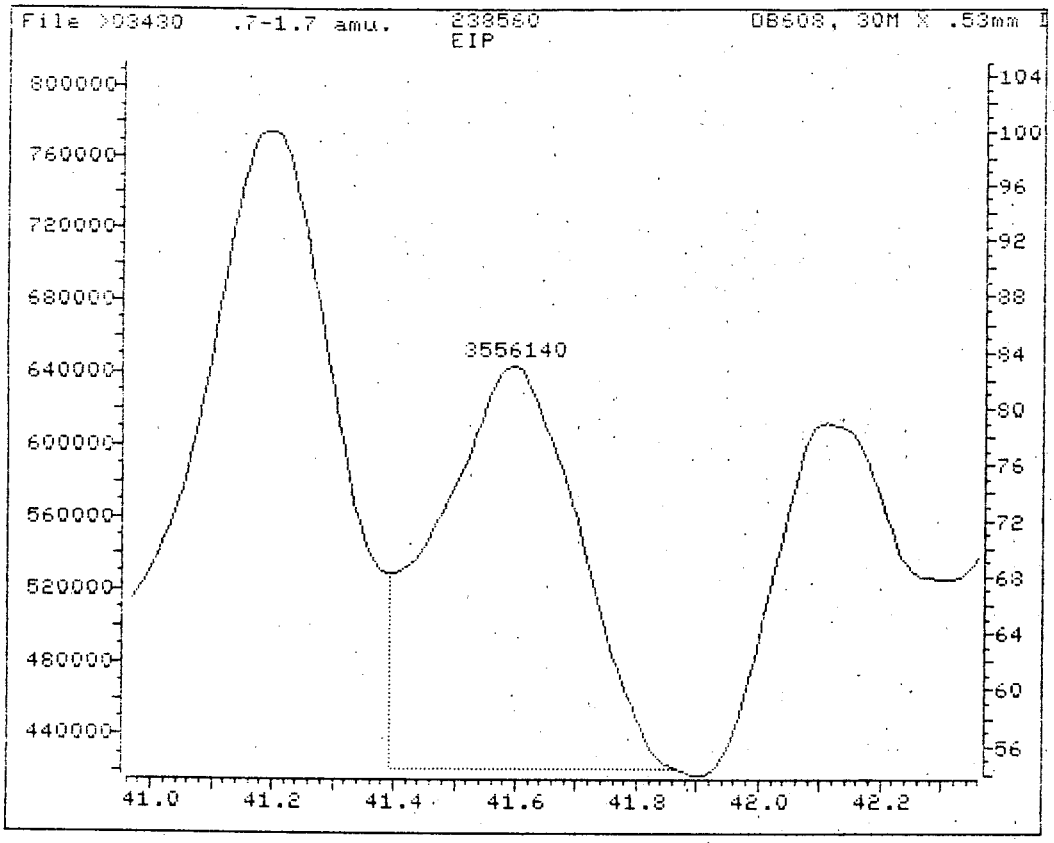


Data File: >03430::G2 Quant Output File: ^03430::GQ
Name: 238560 Instrument ID: GC03
Misc: DB608, 30M X .53mm INST 58903, 1ul INJ

Id File: IDCAP5::SC
Title: Capillary Column DB 608
Last Calibration: 941029 10:07 Last Qcal Time: 960713 22:00

Operator ID: TRFI2
Quant Time : 960722 14:25
Injected at: 960722 13:31

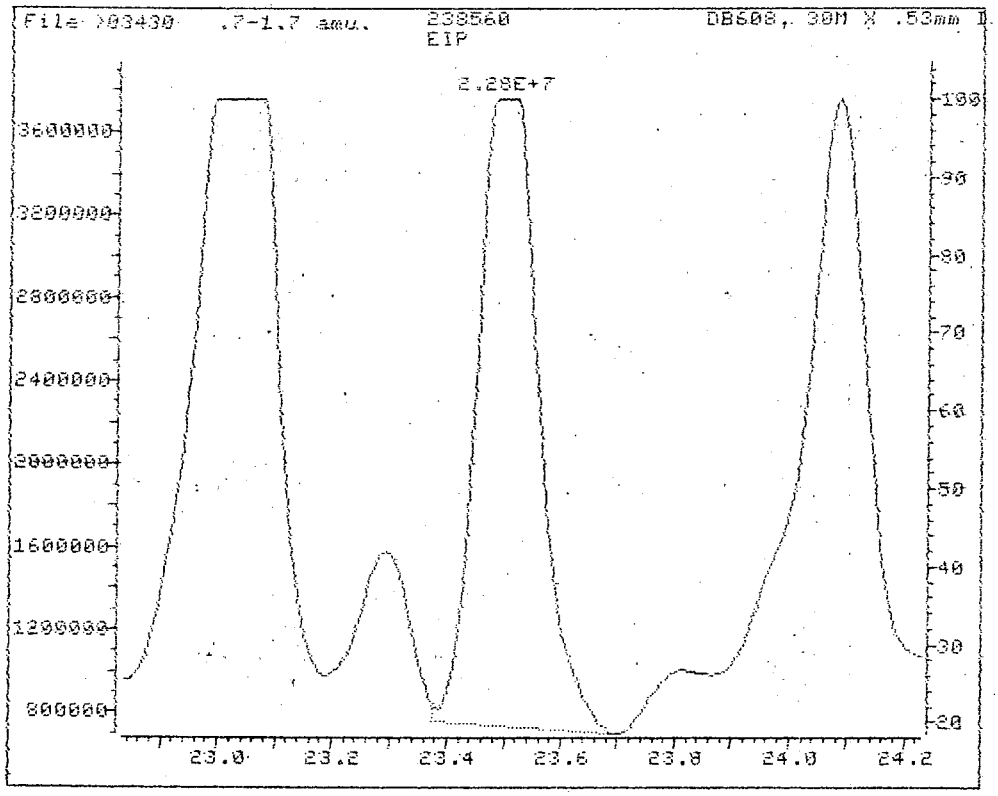
Page 2 of 2



Data File: >03430::G2 Quant Output File: ^03430::GQ
Name: 238560 Instrument ID: GC03
Misc: DB608, 30M X .53mm INST 58903, 1ul INJ
Quant Time: 960722 14:25 Quant ID File: IDCAP5::SC
Injected at: 960722 13:31 Last Calibration: 941029 10:07

Compound No: 19
Compound Name: Decachlorobiphenyl
Scan Number: 4991
Retention Time: 41.59 min.
Quant Ion: 1.0
Area: 3556147M
Concentration: 30.76 ng/ml

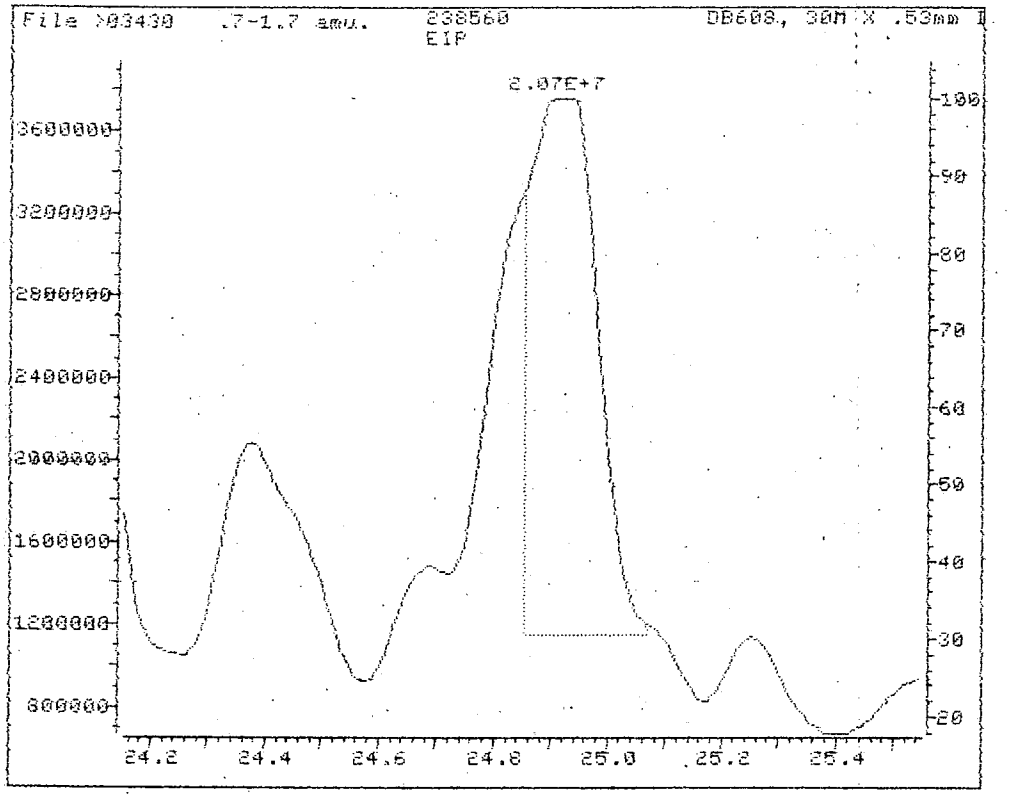
This report was produced by QAREA on: 960723 14:58



Data File: >03430::G2 Quant Output File: ^03430::GQ
Name: 238560 Instrument ID: GC03
Misc: DB608, 30M X .53mm INST 58903, 1ul INJ
Quant Time: 960722 14:25 Quant ID File: IDCAP5::SC
Injected at: 960722 13:31 Last Calibration: 941029 10:07

Compound No: 53
Compound Name: Aroclor-1254(4)
Scan Number: 2819
Retention Time: 23.49 min.
Quant Ion: 1.0
Area: 22844624M
Concentration: 3534.73 ng/ml
q-value: 100

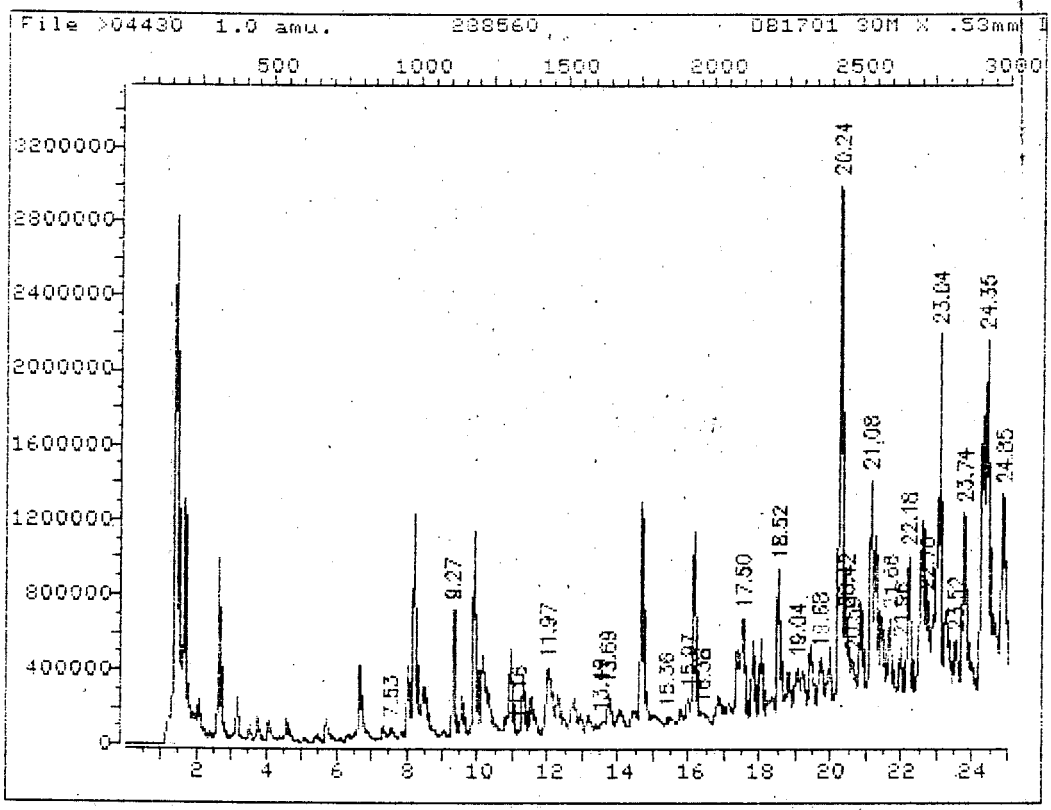
This report was produced by QAREA on: 960723 07:56



Data File: >03430::G2 Quant Output File: ^03430::GQ
Name: 238560 Instrument ID: GC03
Misc: DB608, 30M X .53mm INST 58903, 1ul INJ
Quant Time: 960722 14:25 Quant ID File: IDCAP5::SC
Injected at: 960722 13:31 Last Calibration: 941028 10:07

Compound No: 54
Compound Name: Aroclor-1254(5)
Scan Number: 2988
Retention Time: 24.90 min.
Quant Ion: 1.0
Area: 20702580M
Concentration: 5684.96 ng/ml
q-value: 100

This report was produced by QAREA on: 960723 07:58



Data File: >04430::G4 Quant Output File: ^04430::GQ
Name: 238560 Instrument ID: GC04
Misc: DB1701 30M X .53mm INST 58903, 1ul INJ

Id File: IDCAP6::SC
Title: Capillary Column DB1701
Last Calibration: 941029 10:07 Last Qcal Time: 960713 22:00

Operator ID: TRFI2
Quant Time : 960722 14:22
Injected at: 960722 13:31

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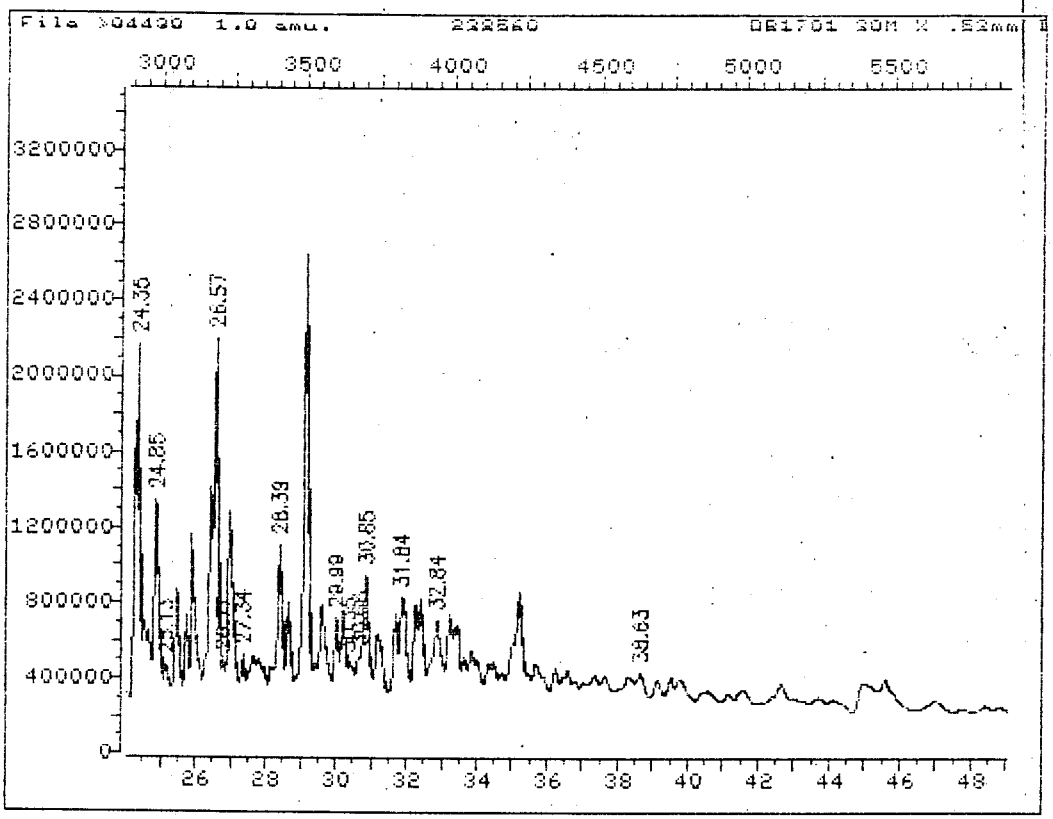

Data File: >04430::G4 Quant Output File: ^04430::GQ
Name: 238560 Instrument ID: GC04
Misc: DB1701 30M X .53mm INST 58903, 1ul INJ

Id File: IDCAP6::SC
Title: Capillary Column DB1701
Last Calibration: 941029 10:07 Last Qcal Time: 960713 22:00

Operator ID: TRFI2
Quant Time : 960722 14:22
Injected at: 960722 13:31

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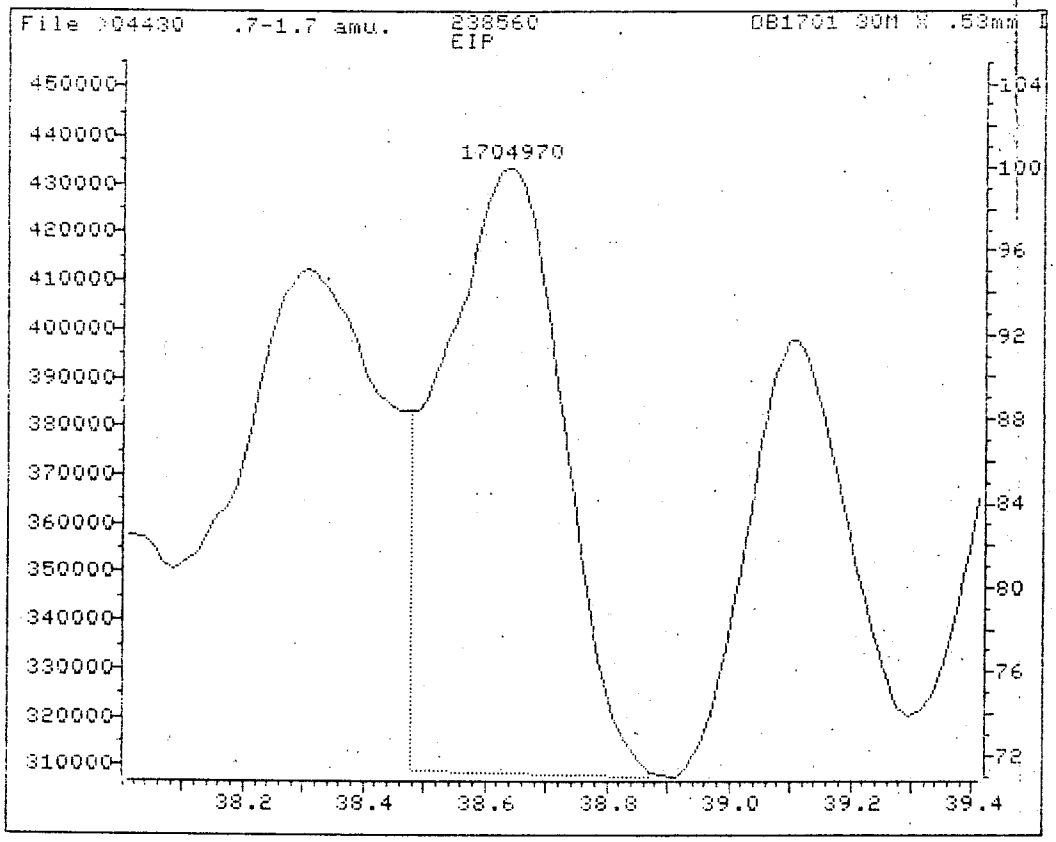


Data File: >04430::G4 Quant Output File: ^04430::GQ
Name: 238560 Instrument ID: GC04
Misc: DB1701 30M X .53mm INST 58903, 1ul INJ
Quant Time: 960722 14:22 Quant ID File: IDCAP6::SC
Injected at: 960722 13:31 Last Calibration: 941029 10:07

Compound No: 19
Compound Name: Decachlorobiphenyl
Scan Number: 4636
Retention Time: 38.63 min.
Quant Ion: 1.0
Area: 1704970M
Concentration: 37.18 ng/ml

This report was produced by QAREA on: 960723 15:00

QUANT REPORT

Operator ID: TRFI2 Quant Rev: 7 Quant Time: 960722 14:25
Output File: ^03430::GQ Injected at: 960722 13:31
Data File: >03430::G2 Dilution Factor: 1.00000
Name: 238560 Instrument ID: GC03
Misc: DB608, 30M X .53mm INST 58903, 1ul INJ

ID File: IDCAP5::SC
Title: Capillary Column DB 608
Last Calibration: 941029 10:07 Last Qcal Time: 960713 22:00

Compound	R.T.	Scan#	Area	Conc	Units	q
1) #Tetrachloro-m-xylene	9.05	1086	5274960	44.10	ng/ml	100
~~2) #alpha-BHC~~	12.42	1490	1325956	8.90	ng/ml	100
~~3) #beta-BHC~~	14.81	1777	633286	7.74	ng/ml	100
~~4) #delta-BHC~~	16.38	1966	2354517	18.31	ng/ml	100
~~5) #gamma-BHC (Lindane)~~	14.38	1726	18838024	135.96	ng/ml	100
~~6) #Heptachlor~~	15.87	1905	2139513	20.37	ng/ml	100
~~7) #Aldrin~~	17.34	2081	6466646	48.43	ng/ml	100
~~8) #Heptachlor epoxide~~	20.08	2409	4650410	37.25	ng/ml	100
9) #Endosulfan I	21.64	2597	2138972	20.15	ng/ml	100
~~10) #Dieldrin~~	23.00	2760	5017283	53.19	ng/ml	100
~~11) #4,4'-DDE~~	22.68	2722	8560440	92.71	ng/ml	100
~~12) #Endrin~~	24.90	2988	3869048	44.27	ng/ml	100
~~13) #Endosulfan II~~	25.87	3104	10585436	106.97	ng/ml	100
~~14) #4,4'-DDD~~	25.64	3076	3866292	62.62	ng/ml	100
~~15) #Endosulfan Sulfate~~	28.20	3384	2829085	32.17	ng/ml	100
~~16) #4,4'-DDT~~	27.08	3249	1957230	28.81	ng/ml	100
~~17) #Methoxychlor~~	32.45	3894	7644617	192.15	ng/ml	100
~~18) #Endrin ketone~~	32.72	3926	4941667	53.29	ng/ml	100
19) #Decachlorobiphenyl	41.59	4991	3556147M	30.76	ng/ml	
~~20) #alpha-Chlordane~~ NT	21.44	2573	7361503	61.09	ng/ml	100
~~21) #gamma-Chlordane~~ NT	20.80	2496	23626552	195.40	ng/ml	100
~~22) #Toxaphene(1)~~ NT	23.81	2857	2165577	1355.33	ng/ml	100
~~23) #Aroclor-1016(1)~~ ND	12.42	1490	1325956	464.14	ng/ml	100
~~24) #Aroclor-1221(1)~~ ND	7.92	950	28304	32.92	ng/ml	100
~~25) #Aroclor-1232(1)~~ ND	12.42	1490	1325956	492.65	ng/ml	100
~~26) #Aroclor-1242(1)~~ ND	12.42	1490	1325956	546.45	ng/ml	100
~~27) #Aroclor-1248(1)~~ ND	15.87	1905	2139513	284.00	ng/ml	100
28) #Aroclor-1254(1)	20.80	2496	23626552	4749.12	ng/ml	100
~~29) #Aroclor-1260(1)~~ ND	24.38	2925	11476204	1792.63	ng/ml	100
~~30) #Endrin aldehyde~~ NT	27.68	3321	2064196	25.52	ng/ml	100
~~31) #Toxaphene(2)~~ NT	27.68	3321	2015037	1205.50	ng/ml	100
~~32) #Toxaphene(3)~~ NT	28.20	3384	2829085	1333.84	ng/ml	100
~~33) #Toxaphene(4)~~ NT	30.39	3647	4003012	2049.27	ng/ml	100
~~34) #Aroclor-1016(2)~~ ND	14.23	1708	930789	160.30	ng/ml	100
~~35) #Aroclor-1016(3)~~ ND	15.87	1905	2139513	191.46	ng/ml	100
~~36) #Aroclor-1016(4)~~ ND	16.79	2015	11415388	2965.39	ng/ml	100
~~37) #Aroclor-1016(5)~~ ND	18.96	2275	1687535	498.93	ng/ml	100
~~38) #Aroclor-1221(2)~~ ND	11.17	1340	1538195	946.52	ng/ml	100
~~39) #Aroclor-1221(3)~~ ND	12.42	1490	1325956	357.68	ng/ml	100
~~40) #Aroclor-1232(2)~~ ND	14.23	1708	930789	331.56	ng/ml	100

NT

7/23/96

Operator ID: TRFI2 Quant Rev: 7 Quant Time: 960722 14:25
Output File: ^03430::GQ Injected at: 960722 13:31
Data File: >03430::G2 Dilution Factor: 1.00000
Name: 238560 Instrument ID: GC03
Misc: DB608, 30M X .53mm INST 58903, 1ul INJ

ID File: IDCAP5::SC
Title: Capillary Column DB 608
Last Calibration: 941029 10:07 Last Qcal Time: 960713 22:00

Compound	R.T.	Scan#	Area	Conc	Units	q
41) ~~#Aroclor-1232(3)~~ NP	15.87	1905	2139513	458.42	ng/ml	100
42) ~~#Aroclor-1232(4)~~ NP	16.79	2015	11415388	6531.85	ng/ml	100
43) ~~#Aroclor-1242(2)~~ NP	14.23	1708	930789	201.07	ng/ml	100
44) ~~#Aroclor-1242(3)~~ NP	15.87	1905	2139513	241.27	ng/ml	100
45) ~~#Aroclor-1242(4)~~ NP	16.79	2015	11415388	3448.24	ng/ml	100
46) ~~#Aroclor-1242(5)~~ NP	18.96	2275	1687535	576.88	ng/ml	100
47) ~~#Aroclor-1248(2)~~ NP	17.51	2101	2372177	742.94	ng/ml	100
48) ~~#Aroclor-1248(3)~~ NP	18.96	2275	1687535	410.03	ng/ml	100
49) ~~#Aroclor-1248(4)~~ NP	20.44	2453	9621886	2342.30	ng/ml	100
50) ~~#Aroclor-1248(5)~~ NP	21.64	2597	2138972	488.40	ng/ml	100
51) #Aroclor-1254(2)	21.12	2534	13974664	2381.70	ng/ml	100
52) #Aroclor-1254(3)	22.68	2722	8560440	4634.35	ng/ml	100
53) #Aroclor-1254(4)	23.49	2819	22844624M	3534.73	ng/ml	100
54) #Aroclor-1254(5)	24.90	2988	20702580M	5664.96	ng/ml	100
~~55) #Aroclor-1260(2)~~ NP	24.90	2988	3869048	543.09	ng/ml	100
~~56) #Aroclor-1260(3)~~ NP	26.53	3183	8878910	1928.76	ng/ml	100
~~57) #Aroclor-1260(4)~~ NP	30.11	3613	6466926	590.43	ng/ml	100
~~58) #Aroclor-1260(5)~~ NP	32.72	3926	4941667	1002.43	ng/ml	100

Compound uses ESTD

MMo 7/23/96

QUANT REPORT

Operator ID: TRFI2 Quant Rev: 7 Quant Time: 960722 14:22
Output File: ^04430::G0 Injected at: 960722 13:31
Data File: >04430::G4 Dilution Factor: 1.00000
Name: 238560 Instrument ID: GC04
Misc: DB1701 30M X .53mm INST 58903, 1ul INJ

ID File: IDCAP6::SC
Title: Capillary Column DB1701
Last Calibration: 941029 10:07 Last Qcal Time: 960713 22:00

Compound	R.T.	Scan#	Area	Conc	Units	q
1) #Tetrachloro-m-xylene	9.27	1113	3897042	95.25	ng/ml	100
~~2) #alpha-BHC~~	13.49	1619	143808	4.42	ng/ml	100
~~3) #beta-BHC~~	18.52	2222	4832200	192.56	ng/ml	100
~~4) #delta-BHC~~	19.68	2362	1950863	74.38	ng/ml	100
~~5) #gamma-BHC (Lindane)~~	15.36	1843	247685	7.28	ng/ml	100
~~6) #Heptachlor~~	16.38	1966	195023	4.17	ng/ml	100
~~7) #Aldrin~~	17.50	2100	3229127	86.24	ng/ml	100
~~8) #Heptachlor epoxide~~	20.59	2471	1050868	24.33	ng/ml	100
~~9) #Endosulfan I~~	21.66	2599	2551966	73.14	ng/ml	100
~~10) #Dieldrin~~	23.52	2822	1325205	41.29	ng/ml	100
~~11) #4,4'-DDE~~	22.70	2724	2586844	91.35	ng/ml	100
~~12) #Endrin~~	24.35	2922	9566482	329.45	ng/ml	100
~~13) #Endosulfan II~~	26.77	3212	394333	11.52	ng/ml	100
~~14) #4,4'-DDD~~	26.57	3188	12734300	662.48	ng/ml	100
~~15) #Endosulfan Sulfate~~	30.66	3679	454850	16.58	ng/ml	100
~~16) #4,4'-DDT~~	27.34	3280	1115316	63.82	ng/ml	100
~~17) #Methoxychlor~~	30.85	3702	5281123	394.54	ng/ml	100
~~18) #Endrin ketone~~	32.84	3941	3686404	116.22	ng/ml	100
19) #Decachlorobiphenyl	38.63	4636	1704970M	37.18	ng/ml	
~~20) #alpha Chlordane~~ NT	22.18	2662	4438801	106.54	ng/ml	100
~~21) #gamma-Chlordane~~ NT	21.96	2635	1253959	31.29	ng/ml	100
~~22) #Toxaphene(1)~~ NT	25.13	3015	784446	1417.18	ng/ml	100
~~23) #Aroclor 1016(1)~~ NP	11.97	1437	3990708	3294.43	ng/ml	100
~~24) #Aroclor 1221(1)~~ NP	7.53	904	466684	610.52	ng/ml	100
~~25) #Aroclor-1232(1)~~ NP	7.53	904	466684	422.78	ng/ml	100
~~26) #Aroclor-1242(1)~~ NP	11.97	1437	3990708	3884.62	ng/ml	100
~~27) #Aroclor-1248(1)~~ NP	13.69	1643	1166896	1135.18	ng/ml	100
28) #Aroclor-1254(1)	17.50	2100	3229127	2036.58	ng/ml	100
~~29) #Aroclor-1260(1)~~	23.74	2849	6297046	2537.57	ng/ml	100
~~31) #Toxaphene(2)~~ NT	28.39	3406	4891107	7223.35	ng/ml	100
~~32) #Toxaphene(3)~~ NT	30.35	3642	601303	1114.79	ng/ml	100
~~33) #Toxaphene(4)~~ NT	31.84	3821	5537858	10684.78	ng/ml	100
~~34) #Aroclor 1016(2)~~ NP	13.69	1643	1166896	472.39	ng/ml	100
~~35) #Aroclor-1016(3)~~ NP	15.97	1916	766369	190.71	ng/ml	100
~~36) #Aroclor 1016(4)~~ NP	16.38	1966	170868	115.04	ng/ml	100
~~37) #Aroclor-1016(5)~~ NP	18.52	2222	4832200	2472.99	ng/ml	100
~~38) #Aroclor 1221(2)~~ NP	11.16	1339	78900	121.05	ng/ml	100
~~39) #Aroclor 1221(3)~~ NP	11.97	1437	3990708	2353.54	ng/ml	100
~~40) #Aroclor-1232(2)~~ NP	11.97	1437	3990708	3514.52	ng/ml	100
~~41) #Aroclor-1232(3)~~ NP	13.69	1643	1166896	1169.26	ng/ml	100

NT

MM 7/23/96

Operator ID: TRFI2 Quant Rev: 7 Quant Time: 960722 14:22
Output File: ^04430::GQ Injected at: 960722 13:31
Data File: >04430::G4 Dilution Factor: 1.00000
Name: 238560 Instrument ID: GC04
Disc: DB1701 30M X .53mm INST 58903. 1ul INJ

ID File: IDCAP6::SC
Title: Capillary Column DB1701
Last Calibration: 941029 10:07 Last Qcal Time: 960713 22:00

Compound	R.T.	Scan#	Area	Conc	Units	q
~~42) #Aroclor-1232(4)~~ NP	15.97	1916	766369	470.74	ng/ml	100
~~43) #Aroclor-1242(2)~~ NP	13.69	1643	1166896	603.47	ng/ml	100
~~44) #Aroclor-1242(3)~~ NP	15.97	1916	766369	243.10	ng/ml	100
~~45) #Aroclor-1242(4)~~ NP	16.38	1966	170868	149.30	ng/ml	100
~~46) #Aroclor-1242(5)~~ NP	17.50	2100	3229127	3777.51	ng/ml	100
~~47) #Aroclor-1248(2)~~ NP	15.97	1916	766369	283.74	ng/ml	100
~~48) #Aroclor-1248(3)~~ NP	18.52	2222	4832200	1996.37	ng/ml	100
~~49) #Aroclor-1248(4)~~ NP	19.04	2285	1579327	864.23	ng/ml	100
~~50) #Aroclor-1248(5)~~ NP	20.42	2450	2482318	2175.94	ng/ml	100
51) #Aroclor-1254(2)	20.24	2429	17332264	8066.25	ng/ml	100
52) #Aroclor-1254(3)	21.08	2530	5975224	3251.63	ng/ml	100
53) #Aroclor-1254(4)	23.04	2765	13217332	5087.80	ng/ml	100
54) #Aroclor-1254(5)	23.74	2849	6297046	4427.09	ng/ml	100
~~55) #Aroclor-1260(2)~~ NP	24.85	2982	7760074	2718.43	ng/ml	100
~~56) #Aroclor-1260(3)~~ NP	28.39	3406	4891107	2941.01	ng/ml	100
~~57) #Aroclor-1260(4)~~ NP	29.99	3598	2266632	529.89	ng/ml	100
~~58) #Aroclor-1260(5)~~ NP	31.84	3821	6013032	2181.51	ng/ml	100

Compound uses ESTD

7/23/96

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS11 DL

Lab Name: ICM Contract:

Lab Code: ICM Case No.: SAS No.: SDG No.: RIN1A

Matrix: (soil/water) SOIL Lab Sample ID: 238560

Sample wt/vol: 30.5 (g/mL) G Lab File ID: 03338

% Moisture: 11. decanted: (Y/N) N Date Received: 06/28/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 07/03/96

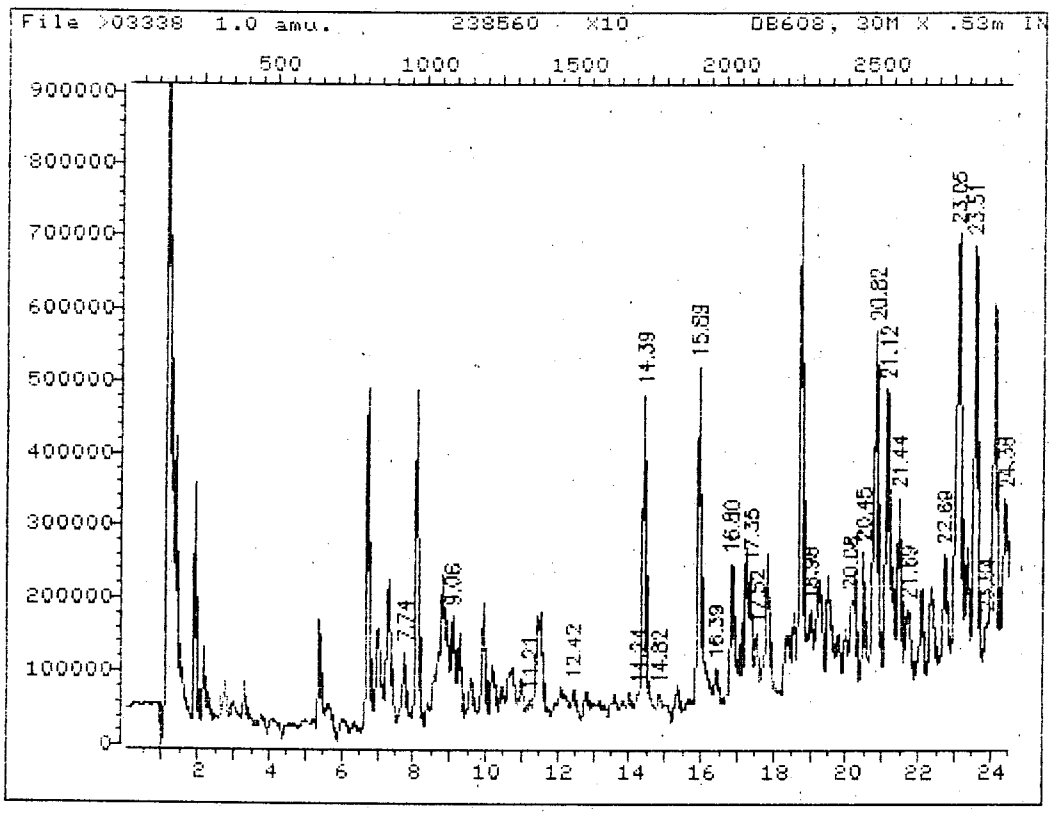
Concentrated Extract Volume: 5000 (uL) Date Analyzed: 07/15/96

Injection Volume: 1.0 (uL) Dilution Factor: 10.0

GPC Cleanup: (Y/N) Y pH: 7.9 Sulfur Cleanup: (Y/N) N

Do not use these data.

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
319-84-6	alpha-BHC	19.	U
319-85-7	beta-BHC	19.	U
319-86-8	delta-BHC	19.	U
58-89-9	gamma-BHC (Lindane)	19.	U
76-44-8	Heptachlor	19.	U
309-00-2	Aldrin	19.	U
1024-57-3	Heptachlor epoxide	19.	U
959-98-8	Endosulfan I	19.	U
60-57-1	Dieldrin	36.	U
72-55-9	4,4'-DDE	36.	U
72-20-8	Endrin	36.	U
33213-65-9	Endosulfan II	36.	U
72-54-8	4,4'-DDD	36.	U
1031-07-8	Endosulfan Sulfate	36.	U
50-29-3	4,4'-DDT	36.	U
72-43-5	Methoxychlor	190.	U
53494-70-5	Endrin ketone	36.	U
7421-93-4	Endrin aldehyde	36.	U
5103-71-9	alpha-Chlordane	19.	U
5103-74-2	gamma-Chlordane	19.	U
8001-35-2	Toxaphene	1900.	U
12674-11-2	Aroclor-1016	360.	U
11104-28-2	Aroclor-1221	740.	U
11141-16-5	Aroclor-1232	360.	U
53469-21-9	Aroclor-1242	360.	U
12672-29-6	Aroclor-1248	360.	U
11097-69-1	Aroclor-1254	1700.	D
11096-82-5	Aroclor-1260	360.	U

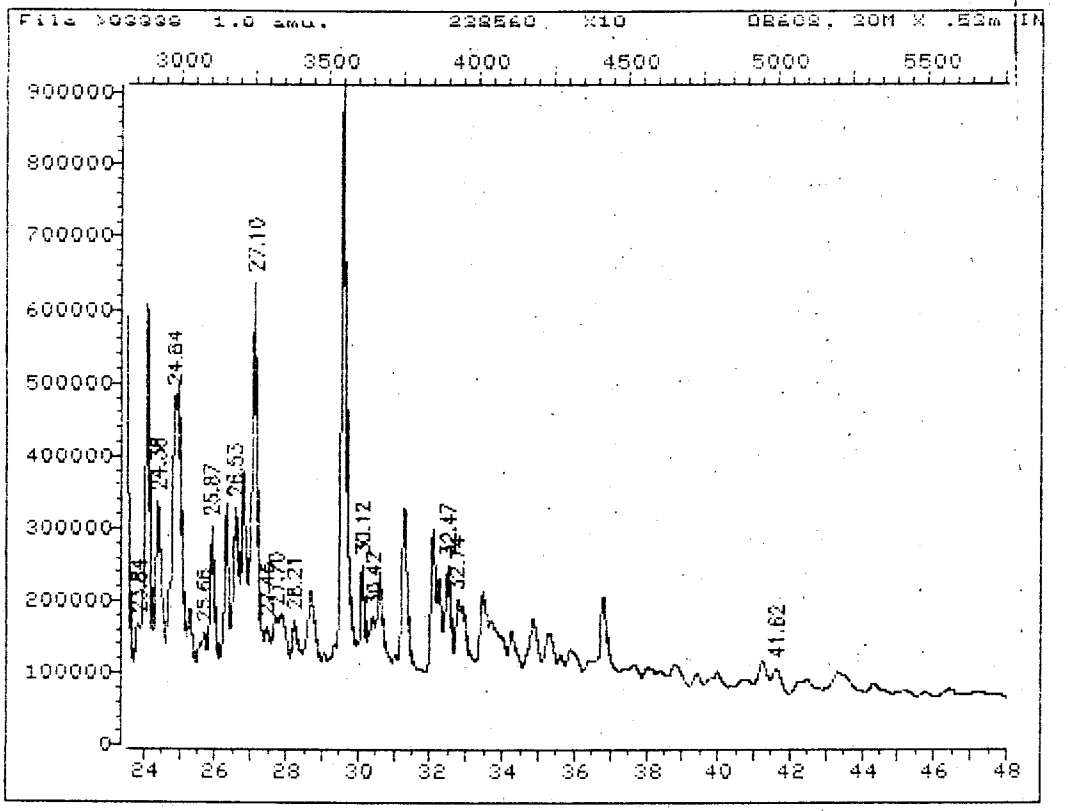


Data File: >03338::F3 Quant Output File: ^03338::GQ
Name: 238560 X10 Instrument ID: GC03
Misc: DB608, 30M X .53m INST 58903, 1ul INJ

Id File: IDCAP5::SC
Title: Capillary Column DB 608
Last Calibration: 941029 10:07 Last Qcal Time: 960713 22:00

Operator ID: TRFI2
Quant Time : 960715 09:17
Injected at: 960715 05:16

Page 1 of 2

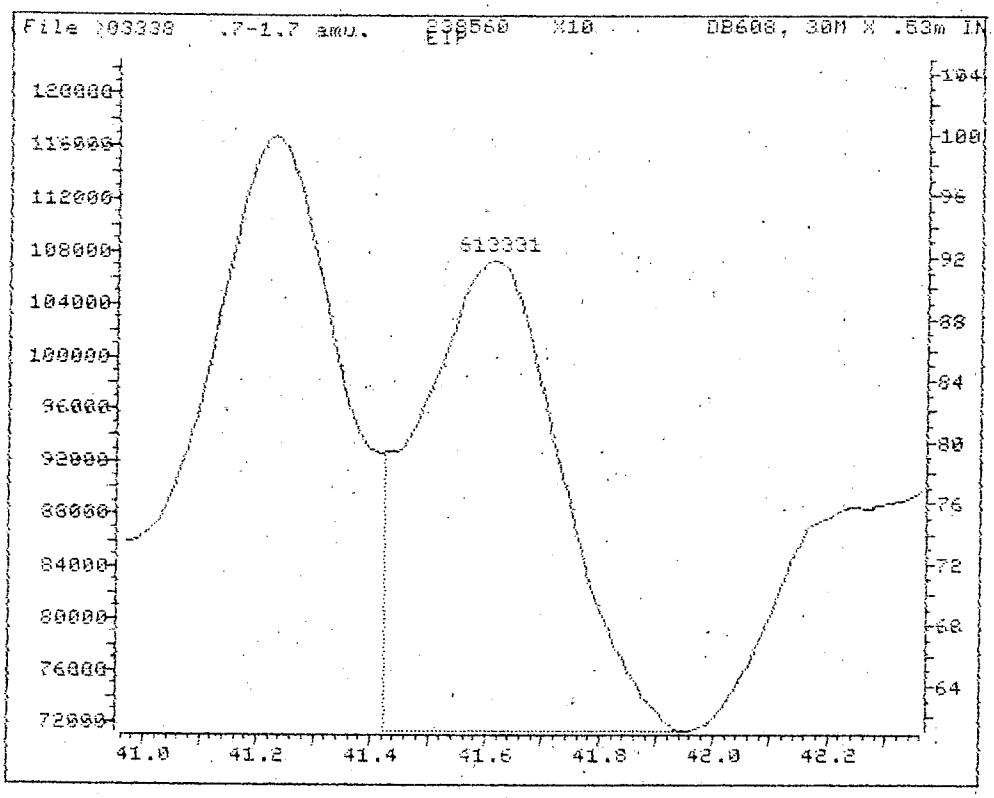


Data File: >03338::F3 Quant Output File: ^03338::GQ
Name: 238560 X10 Instrument ID: GC03
Misc: DB608, 30M X .53m INST 58903, 1ul INJ

Id File: IDCAP5::SC
Title: Capillary Column DB 608
Last Calibration: 941029 10:07 Last Qcal Time: 960713 22:00

Operator ID: TRFI2
Quant Time : 960715 09:17
Injected at: 960715 05:16

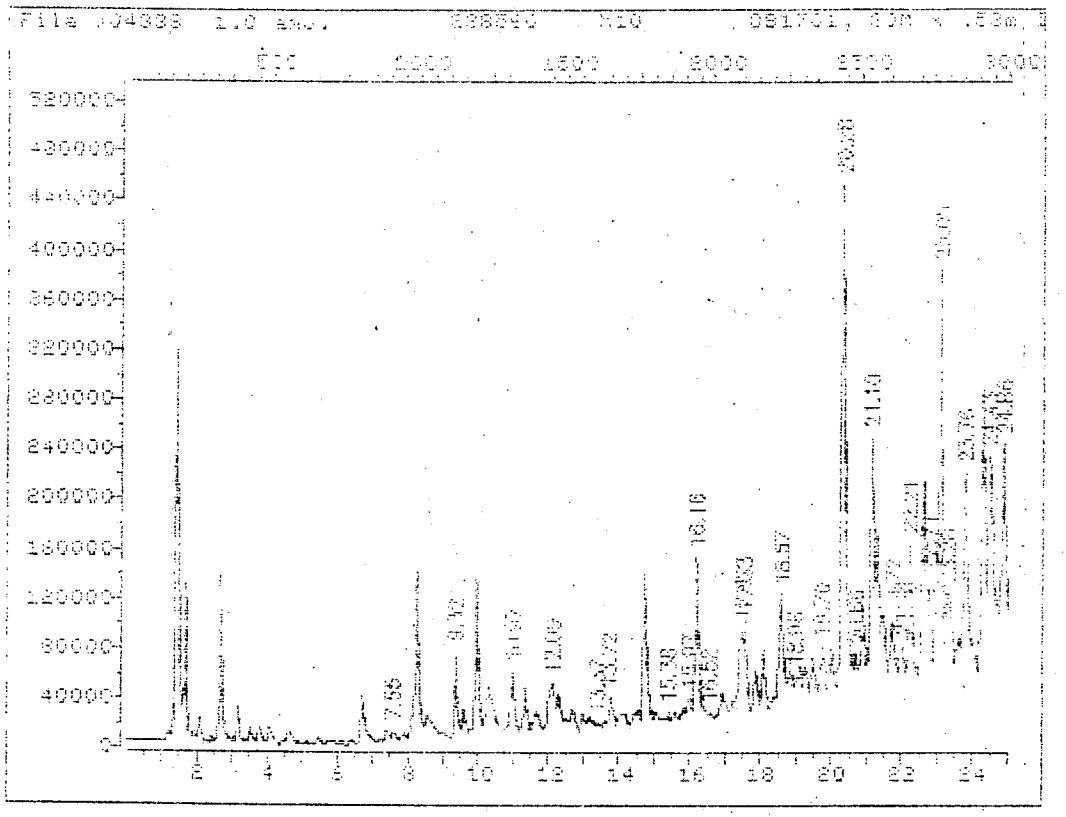
Page 2 of 2



Data File: >03338::F3 Quant Output File: ^03338::GQ
Name: 238560 X10 Instrument ID: GC03
Misc: DB608, 30M X .53m INST 58903, 1ul INJ
Quant Time: 960715 09:17 Quant ID File: IDCAP5::SC
Injected at: 960715 05:16 Last Calibration: 941029 10:07

Compound No: 19
Compound Name: Decachlorobiphenyl
Scan Number: 4994
Retention Time: 41.62 min.
Quant Ion: 1.0
Area: 613331M
Concentration: 5.30 ng/ml

This report was produced by QAREA on: 960722 20:25



Data File: 04338::G1 Quant Output File: 04338::QQ
Name: 238560 X10 Instrument ID: GC04
Misc: DB1701, 30M X .53m INST 58903, 1ul INJ

Id File: ID04P6::GC
Title: Capillary Column DB1701
Last Calibration: 941029 16:07 Last Qual Time: 960701 21:23

Operator ID: TRFIZ
Quant Time: 960715 06:39
Injected at: 960715 05:16

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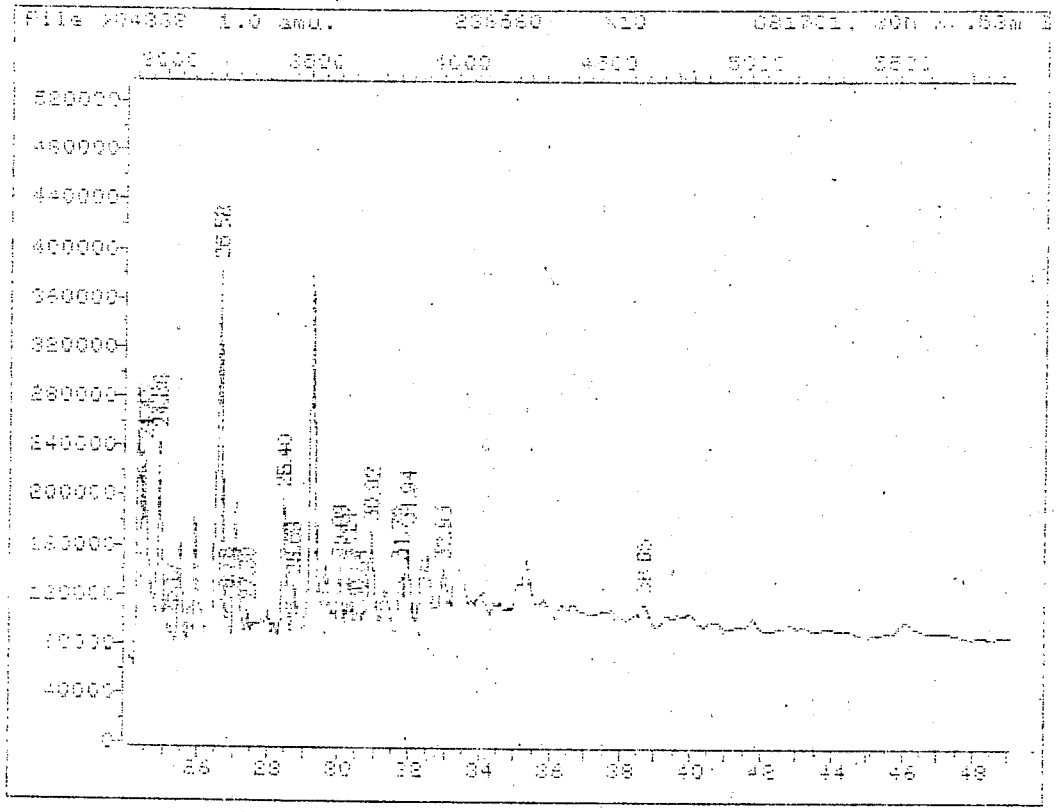


Data File: >04338::G1 Quant Output File: >04338::GQ
Name: 238560 X10 Instrument ID: GC04
Misc: DB170.. 30M X .53m INST 58905, 1ul INS

Id File: IDCAP6::GC
Title: Capillary Column DB1701
Last Calibration: 941029 10:07 Last Cal Time: 960701 21:23

Operator ID: TRFIZ
Quant Time : 960715 06:09
Injected at: 960715 05:16

Page 2 of 2

QUANT REPORT

Operator ID: TRFI2 Quant Rev: 7 Quant Time: 960715 09:17
Output File: ^03338::GD Injected at: 960715 05:16
Data File: >03338::F3 Dilution Factor: 1.00000
Name: 238560 X10 Instrument ID: GC03
Misc: DB608, 30M X .53m INST 58903, 1ul INJ

ID File: IDCAP5::SC
Title: Capillary Column DB 608
Last Calibration: 941029 10:07 Last Qcal Time: 960713 22:00

	Compound	R.T.	Scan#	Area	Conc	Units	q
1)	#Tetrachloro-m-xylene	9.06	1087	894326	7.48	ng/ml	100
2)	~~#alpha-BHC~~	12.42	1491	191312	1.28	ng/ml	100
3)	~~#beta-BHC~~	14.82	1779	100299	1.23	ng/ml	100
4)	~~#delta-BHC~~	16.39	1967	325747	2.53	ng/ml	100
5)	~~#gamma-BHC (Lindane)~~	14.39	1727	2663192	19.22	ng/ml	100
6)	~~#Heptachlor~~	15:89	1907	2868278	27.30	ng/ml	100
7)	~~#Aldrin~~	17.35	2082	986795	7.39	ng/ml	100
8)	~~#Heptachlor epoxide~~	20.08	2410	442661	3.55	ng/ml	100
9)	~~#Endosulfan I~~	21.69	2603	964836	9.09	ng/ml	100
10)	~~#Dieldrin~~	23.05	2766	5584176	59.19	ng/ml	100
11)	~~#4,4'-DDE~~	22.69	2723	1132065	12.26	ng/ml	100
12)	~~#Endrin~~	24.84	2980	1514766	17.33	ng/ml	100
13)	~~#Endosulfan II~~	25.87	3104	1424945	14.40	ng/ml	100
14)	~~#4,4'-DDD~~	25.66	3079	128993	2.09	ng/ml	100
15)	~~#Endosulfan Sulfate~~	28.21	3385	470787	5.35	ng/ml	100
16)	~~#4,4'-DDT~~	27.10	3252	4633856	68.21	ng/ml	100
17)	~~#Methoxychlor~~	32.47	3896	1060395	26.65	ng/ml	100
18)	~~#Endrin ketone~~	32.74	3928	579731	6.25	ng/ml	100
19)	#Decachlorobiphenyl	41.62	4994	613331M	5.30	ng/ml	
20)	~~#alpha-Chlordane~~ NT	21.44	2573	1448497	12.02	ng/ml	100
21)	~~#gamma Chlordane~~ NT	20.82	2498	3617903	29.92	ng/ml	100
22)	~~#Toxaphene~~(1) NP	23.84	2861	421546	263.83	ng/ml	100
23)	~~#Aroclor-1016(1)~~ NP	12.42	1491	191312	66.97	ng/ml	100
24)	~~#Aroclor-1221(1)~~ NP	7.74	929	676928	787.37	ng/ml	100
25)	~~#Aroclor-1232(1)~~ NP	12.42	1491	191312	71.08	ng/ml	100
26)	~~#Aroclor-1242(1)~~ NP	12.42	1491	191312	78.84	ng/ml	100
27)	~~#Aroclor 1248~~(1) NP	15.89	1907	2887918	383.34	ng/ml	100
28)	#Aroclor-1254(1)	20.82	2498	3617903	727.23	ng/ml	100
29)	~~#Aroclor 1260(1)~~ NP	24.38	2925	1832981	286.32	ng/ml	100
30)	~~#Endrin aldehyde~~ NT	27.70	3324	302238	3.74	ng/ml	100
31)	~~#Toxaphene(2)~~	27.45	3294	141642	84.74	ng/ml	100
32)	~~#Toxaphene(3)~~ NP	28.21	3385	470787	221.96	ng/ml	100
33)	~~#Toxaphene(4)~~	30.42	3650	402386	205.99	ng/ml	100
34)	~~#Aroclor 1016(2)~~	14.24	1709	89375	15.39	ng/ml	100
35)	~~#Aroclor-1016(3)~~	15.89	1907	2887918	258.43	ng/ml	100
36)	~~#Aroclor-1016(4)~~ NP	16.80	2016	1279436	332.36	ng/ml	100
37)	~~#Aroclor 1016(5)~~	18.98	2277	264480	78.19	ng/ml	100
38)	~~#Aroclor 1221(2)~~	11.21	1345	91023	56.01	ng/ml	100
39)	~~#Aroclor 1221(3)~~ NP	12.42	1491	191312	51.61	ng/ml	100
40)	~~#Aroclor-1232(2)~~	14.24	1709	89375	31.84	ng/ml	100

EPNa
7/22/96

Operator ID: TRFI2 Quant Rev: 7 Quant Time: 960715 09:17
Output File: ^03338::GQ Injected at: 960715 05:16
Data File: >03338::F3 Dilution Factor: 1.00000
Name: 238560 X10 Instrument ID: GC03
Misc: DB608, 30M X .53m INST 58903, 1ul INJ

ID File: IDCAP5::SC
Title: Capillary Column DB 608
Last Calibration: 941029 10:07 Last Qcal Time: 960713 22:00

	Compound	R.T.	Scan#	Area	Conc	Units	q
41)	#~~Aroclor-1232~~(3) UP	15.89	1907	2887918	618.78	ng/ml	100
42)	#~~Aroclor-1232~~(4) UP	16.80	2016	1279436	732.09	ng/ml	100
43)	#~~Aroclor-1242~~(2)	14.24	1709	89375	19.31	ng/ml	100
44)	#~~Aroclor-1242~~(3)	15.89	1907	2887918	325.66	ng/ml	100
45)	#~~Aroclor-1242~~(4) UP	16.80	2016	1279436	386.48	ng/ml	100
46)	#~~Aroclor-1242~~(5)	18.98	2277	264480	90.41	ng/ml	100
47)	#~~Aroclor-1248~~(2)	17.52	2102	404141	126.57	ng/ml	100
48)	#~~Aroclor-1248~~(3)	18.98	2277	264480	64.26	ng/ml	100
49)	#~~Aroclor-1248~~(4) UP	20.45	2454	1376650	335.12	ng/ml	100
50)	#~~Aroclor-1248~~(5)	21.69	2603	964836	220.31	ng/ml	100
51)	#Aroclor-1254(2)	21.12	2534	2505739	427.05	ng/ml	100
52)	#Aroclor-1254(3)	22.69	2723	1098615	594.76	ng/ml	100
53)	#Aroclor-1254(4)	23.51	2821	3929475	608.00	ng/ml	100
54)	#Aroclor-1254(5)	24.84	2980	1514766	414.49	ng/ml	100
55)	#~~Aroclor-1260~~(2)	24.84	2980	1514766	212.62	ng/ml	100
56)	#~~Aroclor-1260~~(3) UP	26.53	3183	1659851	360.57	ng/ml	100
57)	#~~Aroclor-1260~~(4)	30.12	3614	834923	76.23	ng/ml	100
58)	#~~Aroclor-1260~~(5)	32.74	3929	579731	117.60	ng/ml	100

Compound uses ESTD

EPua
7/22/96

QUANT REPORT

Operator ID: TRFI2 Quant Rev: Quant Time: 960715 06:09
Output File: 104338.SG Injected at: 960715 05:16
Data File: X04338.G1 Dilution Factor: 1.00000
Name: 2395.. AIC Instrument ID: GC04
Misc: DB1701, 70M X .53m IMST F2903, 1ul IMJ

ID File: IDC496.SC
Title: Capillary Column DB1701
Last Calibration: 941029 10:07 Last Cal Time: 960701 21:23

	Compound	R.T.	Scan#	Area	Conc	Units	q
1)	#Tetrachloro-m-xylene	9.32	1118	500755	12.09	ng/ml	100
2)	~~#alpha-BHC~~	15.57	1605	13219	.403	ng/ml	100
3)	~~#beta-BHC~~	18.57	2228	638924	24.32	ng/ml	100
4)	~~#delta-BHC~~	19.72	2354	236372	8.47	ng/ml	100
5)	~~#gamma-BHC (Lindane)~~	15.38	1646	59708	1.17	ng/ml	100
6)	~~#Heptachlor~~	16.16	1939	732340	15.44	ng/ml	100
7)	~~#Aldrin~~	17.53	2103	397374	10.55	ng/ml	100
8)	~~#Heptachlor epoxide~~	20.66	2479	87880	2.01	ng/ml	100
9)	~~#Endosulfan I~~	21.72	2606	251020	7.03	ng/ml	100
10)	~~#Dieldrin~~	23.28	2794	540924	16.66	ng/ml	100
11)	~~#4,4'-DDE~~	22.71	2725	354124	12.76	ng/ml	100
12)	~~#Endrin~~	24.43	2932	1163442	40.13	ng/ml	100
13)	~~#Endosulfan II~~	26.78	3213	112620	3.15	ng/ml	100
14)	~~#4,4'-DDD~~	26.39	3189	2724406	128.93	ng/ml	100
15)	~~#Endosulfan Sulfate~~	30.54	3665	26589	.997	ng/ml	100
16)	~~#4,4'-DDT~~	27.39	3287	109527	6.65	ng/ml	100
17)	~~#Methoxychlor~~	30.92	3710	703220	52.25	ng/ml	100
18)	~~#Endrin Ketone~~	32.93	3951	302533	10.74	ng/ml	100
19)	#Decachlorobiphenyl	38.65	4638	185180	5.53	ng/ml	100
20)	~~#alpha-Chlordane~~ NT	22.21	2665	660871	15.85	ng/ml	100
21)	~~#gamma-Chlordane~~ NT	21.98	2638	143313	3.59	ng/ml	100
22)	~~#Toxaphene(1)~~ NP	25.17	3020	67178	124.82	ng/ml	100
23)	~~#Aroclor-1016(1)~~ NP	12.09	1451	446984	361.93	ng/ml	100
24)	~~#Aroclor-1221(1)~~ NP	7.55	906	51690	65.36	ng/ml	100
25)	~~#Aroclor-1232(1)~~ NP	7.55	906	51690	43.41	ng/ml	100
26)	~~#Aroclor-1242(1)~~ NP	12.09	1451	446984	422.48	ng/ml	100
27)	~~#Aroclor-1248(1)~~ NP	13.72	1646	144694	131.36	ng/ml	100
28)	#Aroclor-1254(1)	17.42	2090	453714	285.60	ng/ml	100
29)	~~#Aroclor-1260(1)~~ NP	23.76	2851	910031	393.90	ng/ml	100
30)	~~#Endrin aldehyde~~ NT	28.69	3443	276591	9.10	ng/ml	100
31)	~~#Toxaphene(2)~~	28.40	3408	807440	1120.29	ng/ml	100
32)	~~#Toxaphene(3)~~ NP	30.24	3629	293[illegible]	574.99	ng/ml	100
33)	~~#Toxaphene(4)~~	31.72	3806	403533	804.18	ng/ml	100
34)	~~#Aroclor-1016(2)~~	13.72	1646	144694	59.19	ng/ml	100
35)	~~#Aroclor-1016(3)~~	15.97	1916	65609	16.91	ng/ml	100
36)	~~#Aroclor-1016(4)~~ NP	16.52	1983	23918	16.42	ng/ml	100
37)	~~#Aroclor-1016(5)~~	18.57	2228	638924	310.05	ng/ml	100
38)	~~#Aroclor-1221(2)~~ NP	10.97	1317	315544	481.08	ng/ml	100
39)	~~#Aroclor-1221(3)~~ NP	12.09	1451	446984	260.60	ng/ml	100
40)	~~#Aroclor-1232(2)~~ NP	12.09	1451	446984	381.55	ng/ml	100

NT

EPMa
9/17/96

QUANT REPORT

Operator ID: TRFI2 Quant Rev: 7 Quant Time: 960715 06:09
Output File: 04558::GC Injected at: 960715 05:16
Data File: 04558::GC Dilution Factor: 1.00000
Name: [illegible]560 X10 Instrument ID: GC04
Misc: DB1701, 30M X .53m INST 58903, 1ul INC.

ID File: IDCAP6::GC
Title: Capillary Column DB1701
Last Calibration: 94102 10:07 Last Scal Time: 960701 21:23

	Compound	R.T.	Scan#	Area	Conc	Units	q
41)	~~#Aroclor-1232(3)~~ UP	13.72	1646	144694	140.52	ng/ml	100
42)	~~#Aroclor-1232(4)~~ UP	15.97	1916	65609	42.00	ng/ml	100
43)	~~#Aroclor-1242(2)~~	13.72	1646	144694	72.85	ng/ml	100
44	~~#Aroclor-1242(3)~~	15.97	1916	65609	21.28	ng/ml	100
45)	~~#Aroclor-1242(4)~~ UP	16.52	1983	23918	20.93	ng/ml	100
46)	~~#Aroclor-1242(5)~~	17.42	2090	457196	577.82	ng/ml	100
47)	~~#Aroclor-1248(2)~~	15.97	1916	65609	25.12	ng/ml	100
48)	~~#Aroclor-1248(3)~~	18.57	2228	638924	259.34	ng/ml	100
49)	~~#Aroclor-1248(4)~~ UP	18.96	2275	74328	42.10	ng/ml	100
50)	~~#Aroclor-1248(5)~~	20.28	2434	3010481	3136.57	ng/ml	100
51)	#Aroclor-1254(2)	20.29	2434	3010481	1480.69	ng/ml	100
52)	#Aroclor-1254(3)	21.10	2532	1085261	591.74	ng/ml	100
53)	#Aroclor-1254(4)	23.05	2766	2462682	965.67	ng/ml	100
54)	#Aroclor-1254(5)	23.76	2851	910031	670.99	ng/ml	100
55)	~~#Aroclor-1260(2)~~	24.86	2983	865732	318.86	ng/ml	100
56)	~~#Aroclor-1260(3)~~	28.40	3408	807440	454.94	ng/ml	100
57)	~~#Aroclor-1260(4)~~ UP	29.99	3599	300070	76.32	ng/ml	100
58)	~~#Aroclor-1260(5)~~	31.94	3833	788720	517.58	ng/ml	100

* Compound uses ESTD

E Puci
7/17/96

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS12

Lab Name: ICM Contract:

Lab Code: ICM Case No.: SAS No.: SDG No.: RIN1A

Matrix: (soil/water) SOIL Lab Sample ID: 238562

Sample wt/vol: 30.5 (g/mL) G Lab File ID: 03397

% Moisture: 17. decanted: (Y/N) N Date Received: 06/28/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 07/03/96

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 07/17/96

Injection Volume: 1.0 (uL) Dilution Factor: 3.0

GPC Cleanup: (Y/N) Y pH: 7.4 Sulfur Cleanup: (Y/N) N

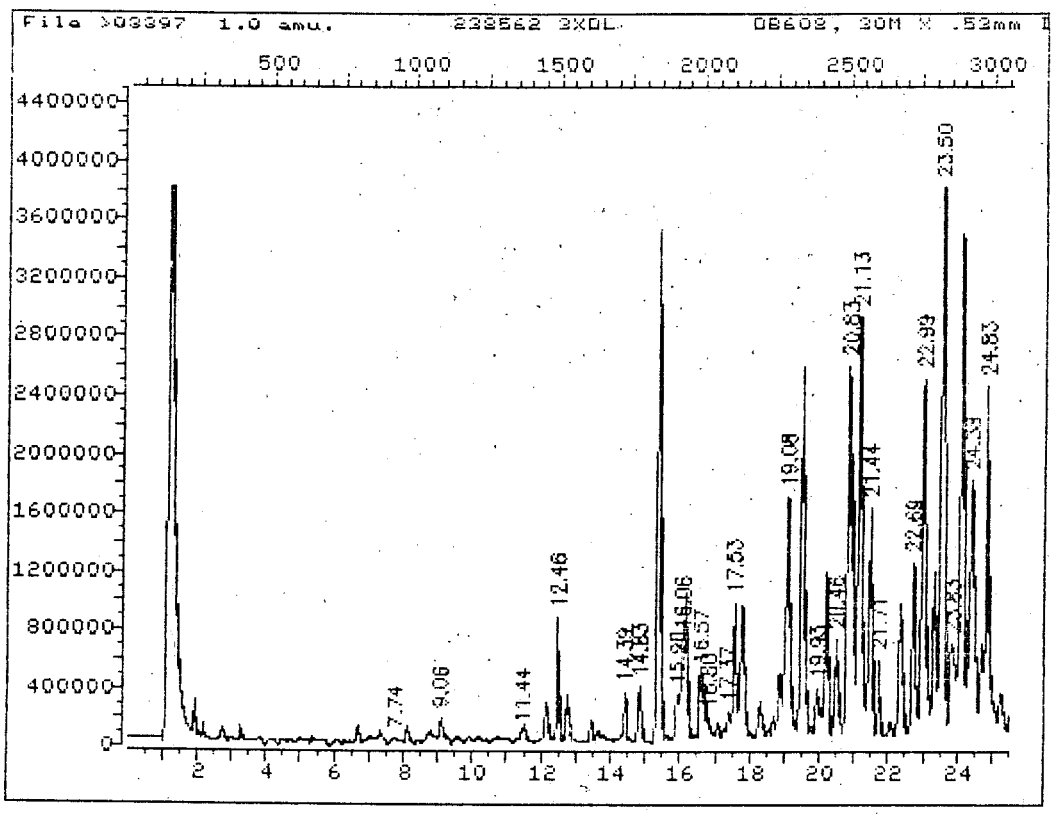
Use these data.

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
319-84-6	alpha-BHC	6.0	U
319-85-7	beta-BHC	6.0	U
319-86-8	delta-BHC	6.0	U
58-89-9	gamma-BHC (Lindane)	6.0	U
76-44-8	Heptachlor	6.0	U
309-00-2	Aldrin	6.0	U
1024-57-3	Heptachlor epoxide	6.0	U
959-98-8	Endosulfan I	6.0	U
60-57-1	Dieldrin	12.	U
72-55-9	4,4'-DDE	12.	U
72-20-8	Endrin	12.	U
33213-65-9	Endosulfan II	12.	U
72-54-8	4,4'-DDD	12.	U
1031-07-8	Endosulfan Sulfate	12.	U
50-29-3	4,4'-DDT	12.	U
72-43-5	Methoxychlor	60.	U
53494-70-5	Endrin ketone	12.	U
7421-93-4	Endrin aldehyde	12.	U
5103-71-9	alpha-Chlordane	6.0	U
5103-74-2	gamma-Chlordane	6.0	U
8001-35-2	Toxaphene	600.	U
12674-11-2	Aroclor-1016	120.	U
11104-28-2	Aroclor-1221	240.	U
11141-16-5	Aroclor-1232	120.	U
53469-21-9	Aroclor-1242	120.	U
12672-29-6	Aroclor-1248	120.	U
11097-69-1	Aroclor-1254	7500 ~~5000.~~	~~E~~ D*
11096-82-5	Aroclor-1260	120.	U

D* value transferred from diluted analysis SS12 DL 30 x D/F

FORM I PEST

OLM03.0

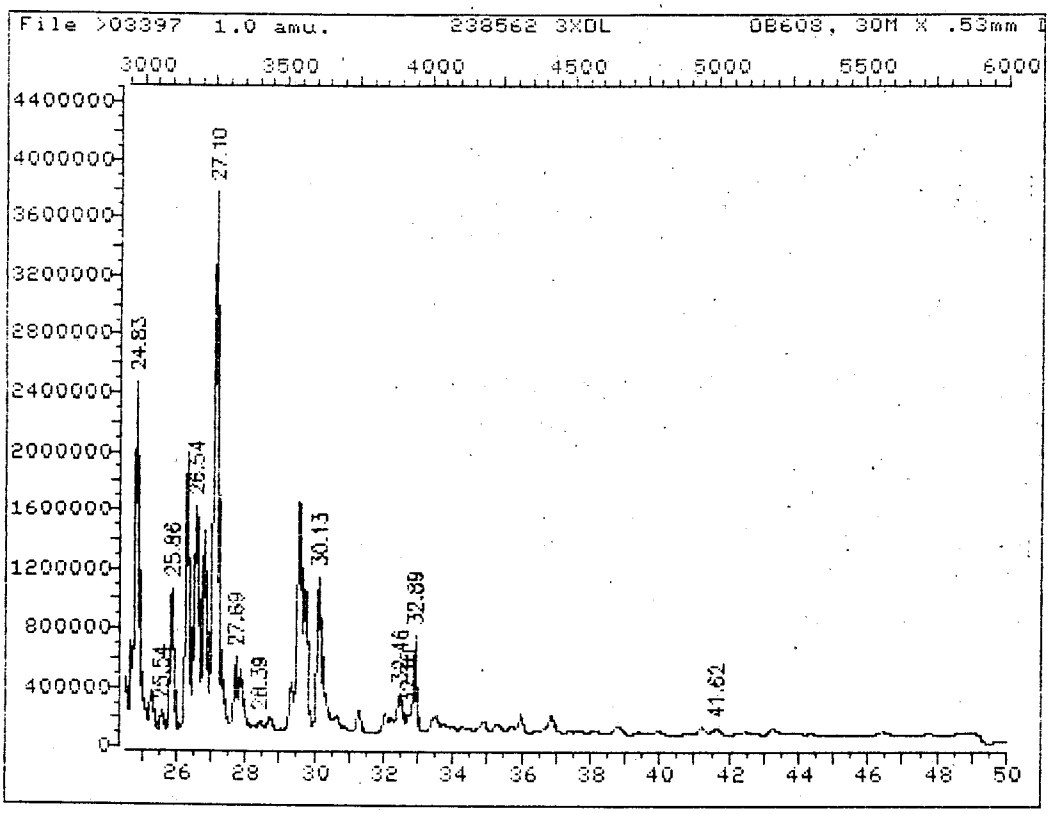


Data File: >03397::G2 Quant Output File: ^03397::GQ
Name: 238562 3XDL Instrument ID: GC03
Misc: DB608, 30M X .53mm INST 58903, 1ul INJ

Id File: IDCAP5::SC
Title: Capillary Column DB 608
Last Calibration: 941029 10:07 Last Qcal Time: 960713 22:00

Operator ID: TRFI2
Quant Time : 960717 11:24
Injected at: 960717 10:31

Page 1 of 2

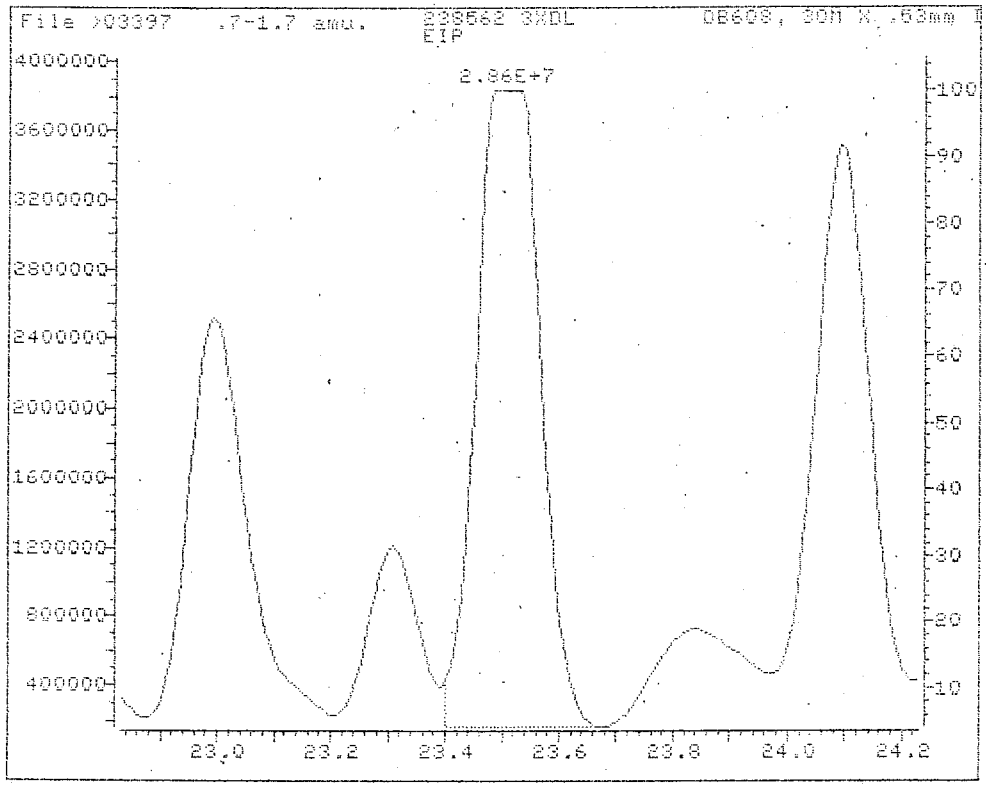


Data File: >03397::G2 Quant Output File: ^03397::GQ
Name: 238562 3XDL Instrument ID: GC03
Misc: DB608, 30M X .53mm INST 58903, 1ul INJ

Id File: IDCAP5::SC
Title: Capillary Column DB 608
Last Calibration: 941029 10:07 Last Qcal Time: 960713 22:00

Operator ID: TRFI2
Quant Time : 960717 11:24
Injected at: 960717 10:31

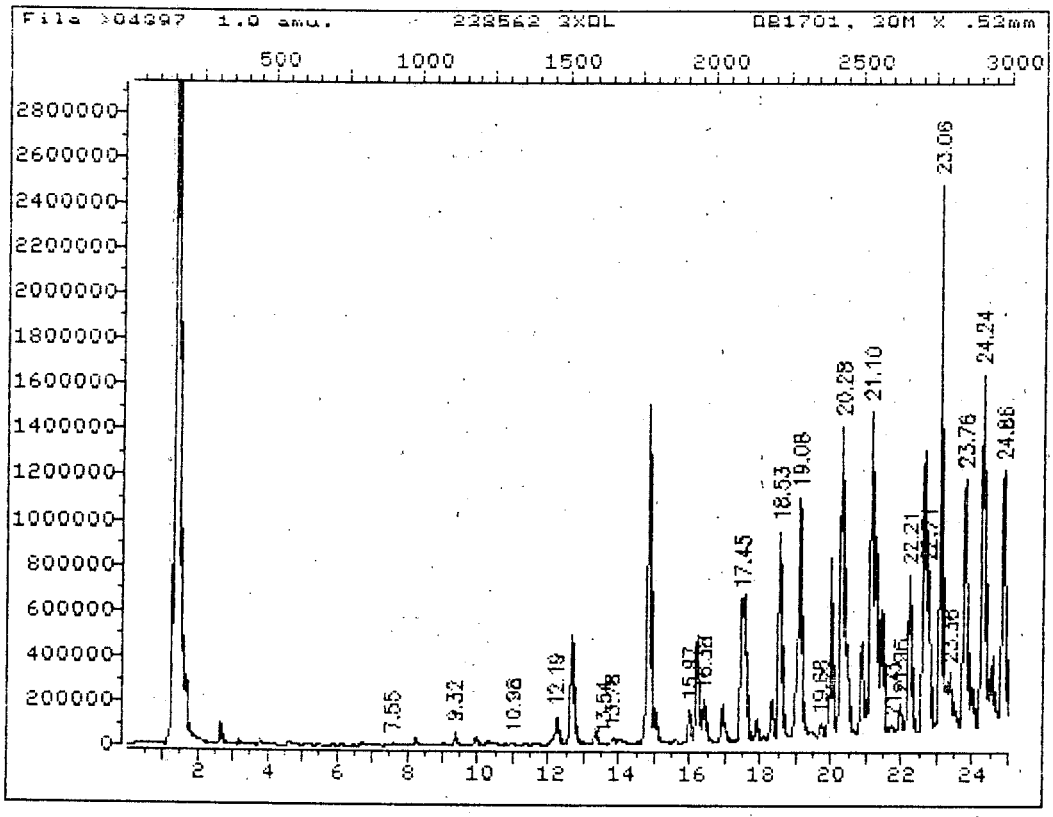
Page 2 of 2



Data File: >03397::62 Quant Output File: ^03397::60
Name: 238562 3XDL Instrument ID: 6003
Misc: DB608, 30M X .53mm INST 58903, 1ul INJ
Quant Time: 960717 11:24 Quant ID File: IDCAP5::SC
Injected at: 960717 10:31 Last Calibration: 941029 10:07

Compound No: 53
Compound Name: Aroclor-1254(4)
Scan Number: 2820
Retention Time: 23.50 min.
Quant Ion: 1.0
Area: 28628188M
Concentration: 4429.62 ng/ml
q-value: 100

This report was produced by QAREA on: 960725 17:27

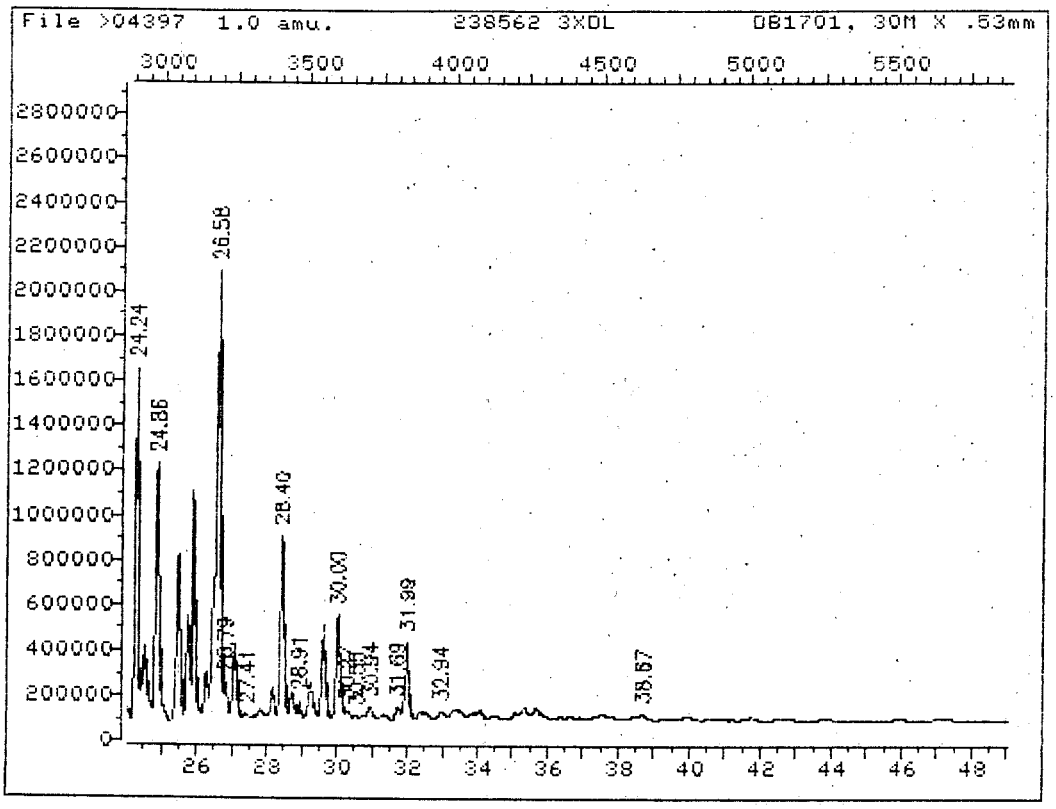


Data File: >04397::G4 Quant Output File: ^04397::GQ
Name: 238562 3XDL Instrument ID: GC04
Misc: DB1701, 30M X .53mm INST 58903, 1ul INJ

Id File: IDCAP6::SC
Title: Capillary Column DB1701
Last Calibration: 941029 10:07 Last Qcal Time: 960713 22:00

Operator ID: TRFI2
Quant Time : 960717 11:22
Injected at: 960717 10:31

Page 1 of 2



Data File: >04397::G4 Quant Output File: ^04397::GQ
Name: 238562 3XDL Instrument ID: GC04
Misc: DB1701, 30M X .53mm INST 58903, 1ul INJ

Id File: IDCAP6::SC
Title: Capillary Column DB1701
Last Calibration: 941029 10:07 Last Qcal Time: 960713 22:00

Operator ID: TRFI2
Quant Time : 960717 11:22
Injected at: 960717 10:31

Page 2 of 2

QUANT REPORT

Operator ID: TRFI2 Quant Rev: 7 Quant Time: 960717 11:24
Output File: ^03397::GQ Injected at: 960717 10:31
Data File: >03397::G2 Dilution Factor: 1.00000
Name: 238562 3XDL Instrument ID: GC03
Misc: DB608, 30M X .53mm INST 58903, 1ul INJ

SS12

ID File: IDCAP5::SC
Title: Capillary Column DB 608
Last Calibration: 941029 10:07 Last Qcal Time: 960713 22:00

	Compound	R.T.	Scan#	Area	Conc	Units	q
1)	#Tetrachloro-m-xylene	9.06	1087	776705	6.49	ng/ml	100
2)	~~#alpha-BHC~~	12.46	1495	5265596	35.33	ng/ml	100
3)	~~#beta-BHC~~	14.83	1780	2660289	32.52	ng/ml	100
4)	~~#delta-BHC~~	16.57	1989	2500094	19.44	ng/ml	100
5)	~~#gamma-BHC (Lindane)~~	14.39	1727	2405260	17.36	ng/ml	100
6)	~~#Heptachlor~~	15.90	1908	1972080	18.77	ng/ml	100
7)	~~#Aldrin~~	17.37	2084	915102	6.85	ng/ml	100
8)	~~#Heptachlor epoxide~~	19.93	2392	1761744	14.11	ng/ml	100
9)	~~#Endosulfan~~ I	21.71	2605	3195403	30.11	ng/ml	100
10)	~~#Dieldrin~~	22.99	2759	16137378	171.06	ng/ml	100
11)	~~#4,4'-DD~~E	22.69	2723	9487254	102.74	ng/ml	100
12)	~~#Endrin~~	24.83	2979	18023992	206.21	ng/ml	100
13)	~~#Endosulfan II~~	25.86	3103	6634487	67.04	ng/ml	100
14)	~~#4,4'-DDD~~	25.54	3064	936014	15.16	ng/ml	100
15)	~~#Endosulfan Sulfate~~	28.39	3407	290706	3.31	ng/ml	100
16)	~~#4,4'-DD~~T	27.10	3252	27126560	399.33	ng/ml	100
17)	~~#Methoxychlor~~	32.46	3895	2728079	68.57	ng/ml	100
18)	~~#Endrin ketone~~	32.70	3924	544328	5.87	ng/ml	100
19)	#Decachlorobiphenyl	41.62	4994	688214	5.95	ng/ml	100
20)	~~#alpha-Chlordane~~ NT	21.44	2573	10187724	84.54	ng/ml	100
21)	~~#gamma-Chlordane~~ NT	20.83	2499	15930292	131.75	ng/ml	100
22)	~~#Toxaphene(1)~~ NP	23.83	2860	6282344	3931.82	ng/ml	100
23)	~~#Aroclor-1016(1)~~ NP	12.46	1495	5245347	1836.07	ng/ml	100
24)	~~#Aroclor-1221(1)~~ NP	7.74	929	537936	625.70	ng/ml	100
25)	~~#Aroclor-1232(1)~~ NP	12.46	1495	5245347	1948.87	ng/ml	100
26)	~~#Aroclor-1242(1)~~ NP	12.46	1495	5245347	2161.68	ng/ml	100
27)	~~#Aroclor-1248(1)~~ NP	16.06	1927	2565806	340.59	ng/ml	100
28)	#Aroclor-1254(1)	20.83	2499	15930292	3202.11	ng/ml	100
29)	~~#Aroclor-1260(1)~~ NP	24.38	2925	13989748	2185.26	ng/ml	100
30)	~~#Endrin aldehyde~~ NT	27.69	3322	3811928	47.12	ng/ml	100
31)	~~#Toxaphene(2)~~ NP	27.69	3322	3785185	2264.50	ng/ml	100
32)	~~#Toxaphene(3)~~ NP	28.39	3407	290706	137.06	ng/ml	100
34)	~~#Aroclor-1016(2)~~	14.39	1727	2405260	414.24	ng/ml	100
35)	~~#Aroclor-1016(3)~~	16.06	1927	2565806	229.61	ng/ml	100
36)	~~#Aroclor-1016(4)~~ NP	16.80	2016	713618	185.38	ng/ml	100
37)	~~#Aroclor-1016(5)~~	19.08	2289	13388424	3958.34	ng/ml	100
38)	~~#Aroclor-1221(2)~~	11.44	1373	547037	336.62	ng/ml	100
39)	~~#Aroclor-1221(3)~~ NP	12.46	1495	5245347	1414.95	ng/ml	100
40)	~~#Aroclor-1232(2)~~ NP	14.39	1727	2405260	856.78	ng/ml	100
41)	~~#Aroclor-1232(3)~~	16.06	1927	2565806	549.76	ng/ml	100

E Price
7/22/96

Operator ID: TRFI2 Quant Rev: 7 Quant Time: 960717 11:24
Output File: ^03397::GQ Injected at: 960717 10:31
Data File: >03397::G2 Dilution Factor: 1.00000
Name: 238562 3XDL Instrument ID: GC03
Misc: DB608, 30M X .53mm INST 58903, 1ul INJ

ID File: IDCAP5::SC
Title: Capillary Column DB 608
Last Calibration: 941029 10:07 Last Qcal Time: 960713 22:00

Compound	R.T.	Scan#	Area	Conc	Units	q
42) #~~Aroclor-1232~~(4) NP	16.80	2016	713618	408.33	ng/ml	100
43) #~~Aroclor-1242~~(2)	14.39	1727	2405260	519.60	ng/ml	100
44) #~~Aroclor-1242~~(3)	16.06	1927	2565806	289.34	ng/ml	100
45) #~~Aroclor-1242~~(4) NP	16.80	2016	713618	215.56	ng/ml	100
46) #~~Aroclor-1242~~(5)	19.08	2289	13388424	4576.82	ng/ml	100
47) #~~Aroclor-1248~~(2)	17.53	2103	7600477	2380.38	ng/ml	100
48) #~~Aroclor-1248~~(3)	19.08	2289	13388424	3253.03	ng/ml	100
49) #~~Aroclor-1248~~(4) NP	20.46	2455	4045933	984.92	ng/ml	100
50) #~~Aroclor-1248~~(5)	21.71	2605	3195403	729.62	ng/ml	100
51) #Aroclor-1254(2)	21.13	2535	20771144	3540.03	ng/ml	100
52) #Aroclor-1254(3)	22.69	2723	9487254	5136.10	ng/ml	100
53) #Aroclor-1254(4)	23.50	2820	28628188M	4429.62	ng/ml	100
54) #Aroclor-1254(5)	24.83	2979	18023992	4932.00	ng/ml	100
55) #~~Aroclor-1260~~(2)	24.83	2979	18023992	2529.97	ng/ml	100
56) #~~Aroclor-1260~~(3) NP	26.54	3184	11540074	2506.84	ng/ml	100
57) #~~Aroclor-1260~~(4)	30.13	3615	8316658	759.31	ng/ml	100
58) #~~Aroclor-1260~~(5)	32.89	3946	5436294	1102.77	ng/ml	100

Compound uses ESTD

EPuci
7/22/96

QUANT REPORT

Operator ID: TRFI2 Quant Rev: 7 Quant Time: 960717 11:22
Output File: ^04397::GQ Injected at: 960717 10:31
Data File: >04397::G4 Dilution Factor: 1.00000
Name: 238562 3XDL Instrument ID: GC04
Misc: DB1701, 30M X .53mm INST 58903, 1ul INJ

ID File: IDCAP6::SC
Title: Capillary Column DB1701
Last Calibration: 941029 10:07 Last Qcal Time: 960713 22:00

	Compound	R.T.	Scan#	Area	Conc	Units	q
1)	#Tetrachloro-m-xylene	9.32	1119	489208	11.96	ng/ml	100
2)	~~#alpha-BHC~~	13.54	1625	8616	.265	ng/ml	100
3)	~~#beta-BHC~~	18.53	2224	5909614	235.50	ng/ml	100
4)	~~#delta-BHC~~	19.68	2362	390715	14.90	ng/ml	100
6)	~~#Heptachlor~~	16.38	1966	1174248	25.10	ng/ml	100
7)	~~#Aldrin~~	17.45	2094	3486741	93.12	ng/ml	100
9)	~~#Endosulfan I~~	21.73	2608	190283	5.45	ng/ml	100
10)	~~#Dieldrin~~	23.36	2803	997090	31.07	ng/ml	100
11)	~~#4,4'-DDE~~	22.71	2725	3667724	129.52	ng/ml	100
12)	~~#Endrin~~	24.24	2909	11027462	379.76	ng/ml	100
13)	~~#Endosulfan II~~	26.79	3214	888037	25.94	ng/ml	100
14)	~~#4,4'-DDD~~	26.58	3189	17796628	925.84	ng/ml	100
15)	~~#Endosulfan Sulfate~~	30.55	3666	62891	2.29	ng/ml	100
16)	~~#4,4'-DDT~~	27.41	3289	102448	5.86	ng/ml	100
17)	~~#Methoxychlor~~	30.94	3712	458572	34.26	ng/ml	100
18)	~~#Endrin ketone~~	32.94	3952	272954	8.61	ng/ml	100
19)	#Decachlorobiphenyl	38.67	4640	353209	7.70	ng/ml	100
20)	~~#alpha-Chlordane~~ NT	22.21	2665	4611187	110.68	ng/ml	100
21)	~~#gamma-Chlordane~~ NT	21.96	2635	696674	17.39	ng/ml	100
23)	~~#Aroclor-1016(1)~~ ND	12.19	1463	1012342	835.71	ng/ml	100
24)	~~#Aroclor-1221(1)~~ ND	7.55	906	67258	87.99	ng/ml	100
25)	~~#Aroclor-1232(1)~~ ND	7.55	906	71038	64.35	ng/ml	100
26)	~~#Aroclor-1242(1)~~ ND	12.19	1463	1012342	985.43	ng/ml	100
27)	~~#Aroclor-1248(1)~~ ND	13.78	1654	256063	249.10	ng/ml	100
28)	#Aroclor-1254(1)	17.45	2094	3486741	2199.06	ng/ml	100
29)	~~#Aroclor-1260(1)~~ ND	23.76	2851	7618589	3070.12	ng/ml	100
30)	~~#Endrin aldehyde~~ NT	28.91	3469	486686	15.14	ng/ml	100
31)	~~#Toxaphene(2)~~	28.40	3408	5720937	8448.88	ng/ml	100
32)	~~#Toxaphene(3)~~ ND	30.27	3632	237319	439.98	ng/ml	100
33)	~~#Toxaphene(4)~~	31.69	3803	494349	953.80	ng/ml	100
34)	~~#Aroclor-1016(2)~~	13.78	1654	256063	103.66	ng/ml	100
35)	~~#Aroclor-1016(3)~~ ND	15.97	1916	851642	211.93	ng/ml	100
36)	~~#Aroclor-1016(4)~~	16.38	1966	1174248	790.56	ng/ml	100
37)	~~#Aroclor-1016(5)~~	18.53	2224	5832374	2984.85	ng/ml	100
38)	~~#Aroclor-1221(2)~~	10.98	1318	94127	144.41	ng/ml	100
39)	~~#Aroclor-1221(3)~~ ND	12.19	1463	1012342	597.03	ng/ml	100
40)	~~#Aroclor-1232(2)~~	12.19	1463	1012342	891.55	ng/ml	100
41)	~~#Aroclor-1232(3)~~ ND	13.78	1654	256063	256.58	ng/ml	100
42)	~~#Aroclor-1232(4)~~	15.97	1916	851642	523.12	ng/ml	100
43)	~~#Aroclor-1242(2)~~ ND	13.78	1654	256063	132.43	ng/ml	100

EPrice
7/22/96

Operator ID: TRFI2 Quant Rev: 7 Quant Time: 960717 11:22
Output File: ^04397::GQ Injected at: 960717 10:31
Data File: >04397::G4 Dilution Factor: 1.00000
Name: 238562 3XDL Instrument ID: GC04
Misc: DB1701, 30M X .53mm INST 58903, 1ul INJ

ID File: IDCAP6::SC
Title: Capillary Column DB1701
Last Calibration: 941029 10:07 Last Qcal Time: 960713 22:00

	Compound	R.T.	Scan#	Area	Conc	Units	q
44)	~~#Aroclor-1242~~(3)	15.97	1916	851642	270.15	ng/ml	100
45)	~~#Aroclor-1242(4)~~ UP	16.38	1966	1174248	1026.02	ng/ml	100
46)	~~#Aroclor-1242~~(5)	17.45	2094	3486741	4078.87	ng/ml	100
47)	~~#Aroclor-1248(2)~~	15.97	1916	851642	315.31	ng/ml	100
48)	~~#Aroclor-1248(3)~~	18.53	2224	5832374	2409.58	ng/ml	100
49)	~~#Aroclor-1248(4)~~ UP	19.08	2289	7543961	4128.18	ng/ml	100
50)	~~#Aroclor-1248(5)~~	20.28	2434	8950040	7845.41	ng/ml	100
51)	#Aroclor-1254(2)	20.28	2434	8950040	4165.25	ng/ml	100
52)	#Aroclor-1254(3)	21.10	2532	8380341	4560.46	ng/ml	100
53)	#Aroclor-1254(4)	23.06	2767	15360420	5912.74	ng/ml	100
54)	#Aroclor-1254(5)	23.76	2851	7618589	5356.19	ng/ml	100
55)	~~#Aroclor-1260(2)~~	24.86	2983	8337287	2920.63	ng/ml	100
56)	~~#Aroclor-1260(3)~~ UP	28.40	3408	5712945	3435.18	ng/ml	100
57)	~~#Aroclor-1260(4)~~	30.00	3600	3580544	837.05	ng/ml	100
58)	~~#Aroclor-1260(5)~~	31.99	3838	3259469	1182.53	ng/ml	100

Compound uses ESTD

EPrui
7/22/96

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS12 DL

Lab Name: ICM Contract:

Lab Code: ICM Case No.: SAS No.: SDG No.: RIN1A

Matrix: (soil/water) SOIL Lab Sample ID: 238562

Sample wt/vol: 30.5 (g/mL) G Lab File ID: 03333

% Moisture: 17. decanted: (Y/N) N Date Received: 06/28/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 07/03/96

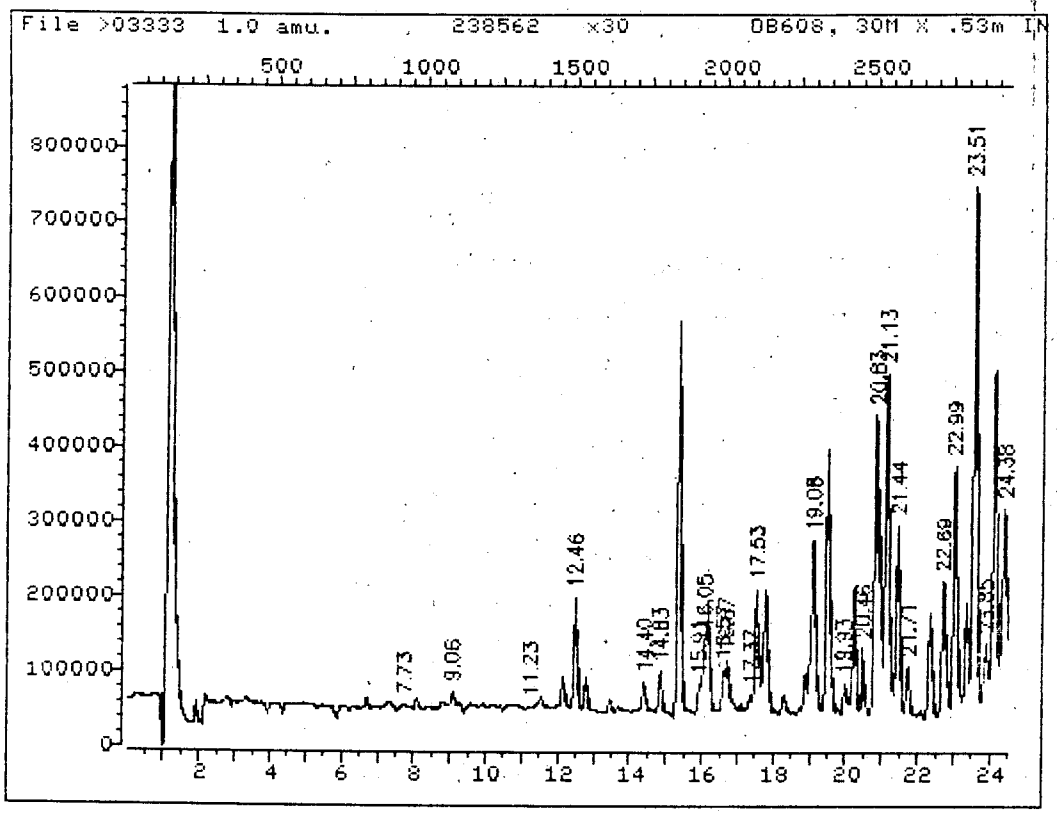
Concentrated Extract Volume: 5000 (uL) Date Analyzed: 07/15/96

Injection Volume: 1.0 (uL) Dilution Factor: 30.0

GPC Cleanup: (Y/N) Y pH: 7.4 Sulfur Cleanup: (Y/N) N

Do not use these data.

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
319-84-6	alpha-BHC	60.	U
319-85-7	beta-BHC	60.	U
319-86-8	delta-BHC	60.	U
58-89-9	gamma-BHC (Lindane)	60.	U
76-44-8	Heptachlor	60.	U
309-00-2	Aldrin	60.	U
1024-57-3	Heptachlor epoxide	60.	U
959-98-8	Endosulfan I	60.	U
60-57-1	Dieldrin	120.	U
72-55-9	4,4'-DDE	120.	U
72-20-8	Endrin	120.	U
33213-65-9	Endosulfan II	120.	U
72-54-8	4,4'-DDD	120.	U
1031-07-8	Endosulfan Sulfate	120.	U
50-29-3	4,4'-DDT	120.	U
72-43-5	Methoxychlor	600.	U
53494-70-5	Endrin ketone	120.	U
7421-93-4	Endrin aldehyde	120.	U
5103-71-9	alpha-Chlordane	60.	U
5103-74-2	gamma-Chlordane	60.	U
8001-35-2	Toxaphene	6000.	U
12674-11-2	Aroclor-1016	1200.	U
11104-28-2	Aroclor-1221	2400.	U
11141-16-5	Aroclor-1232	1200.	U
53469-21-9	Aroclor-1242	1200.	U
12672-29-6	Aroclor-1248	1200.	U
11097-69-1	Aroclor-1254	7500.	D
11096-82-5	Aroclor-1260	1200.	U



Data File: >03333::F3 Quant Output File: ^03333::GQ
Name: 238562 x30 Instrument ID: GC03
Misc: DB608, 30M X .53m INST 58903, 1ul INJ

Id File: IDCAP5::SC
Title: Capillary Column DB 608
Last Calibration: 941029 10:07 Last Qcal Time: 960713 22:00

Operator ID: TRFI2
Quant Time : 960715 09:13
Injected at: 960715 00:43

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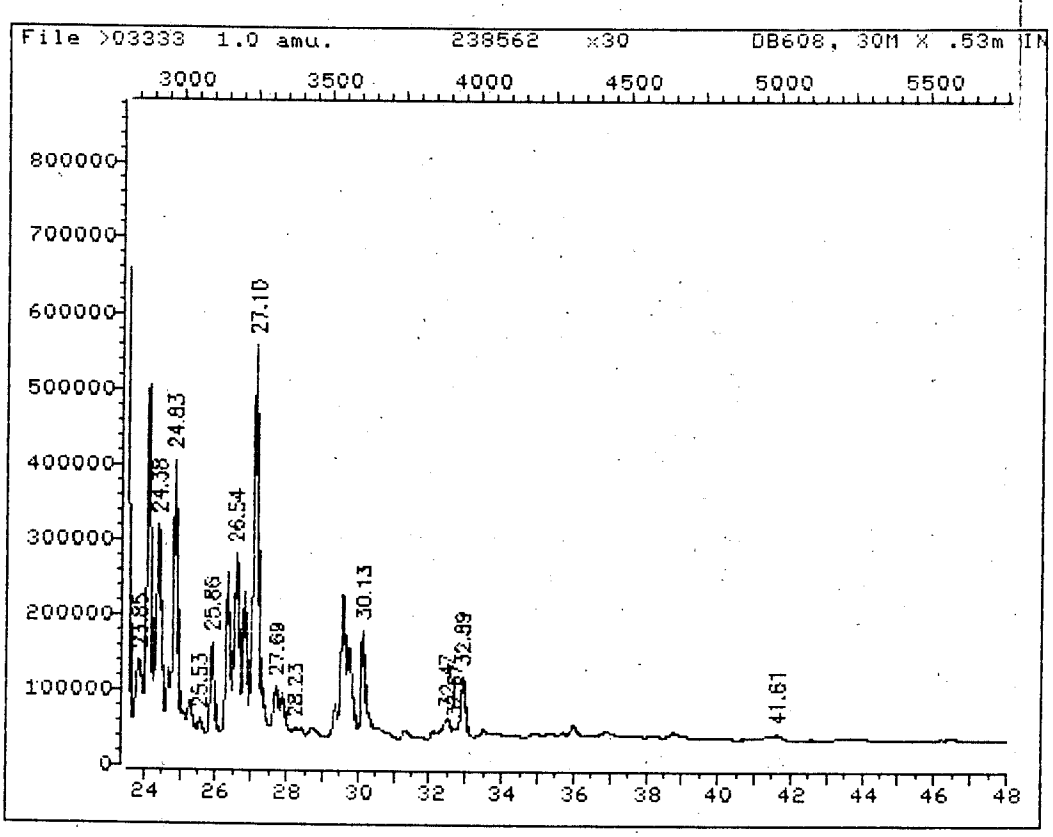

Data File: >03333::F3 Quant Output File: ^03333::GQ
Name: 238562 x30 Instrument ID: GC03
Misc: DB608, 30M X .53m INST 58903, 1ul INJ

Id File: IDCAP5::SC
Title: Capillary Column DB 608
Last Calibration: 941029 10:07 Last Qcal Time: 960713 22:00

Operator ID: TRFI2
Quant Time : 960715 09:13
Injected at: 960715 00:43

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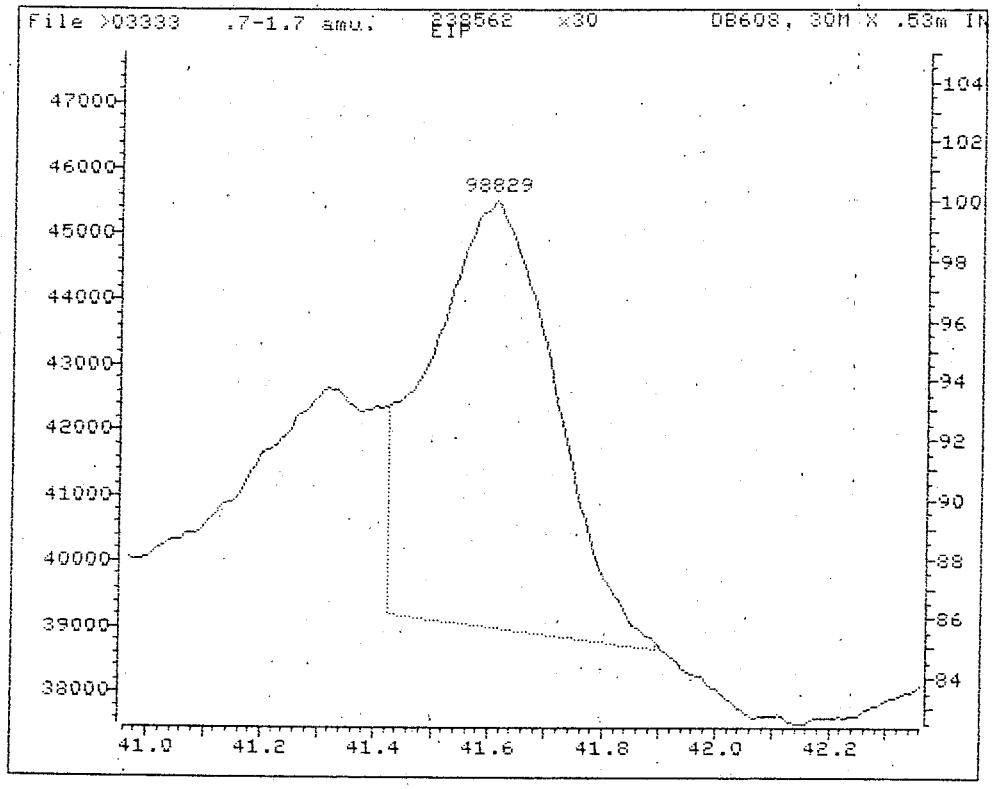
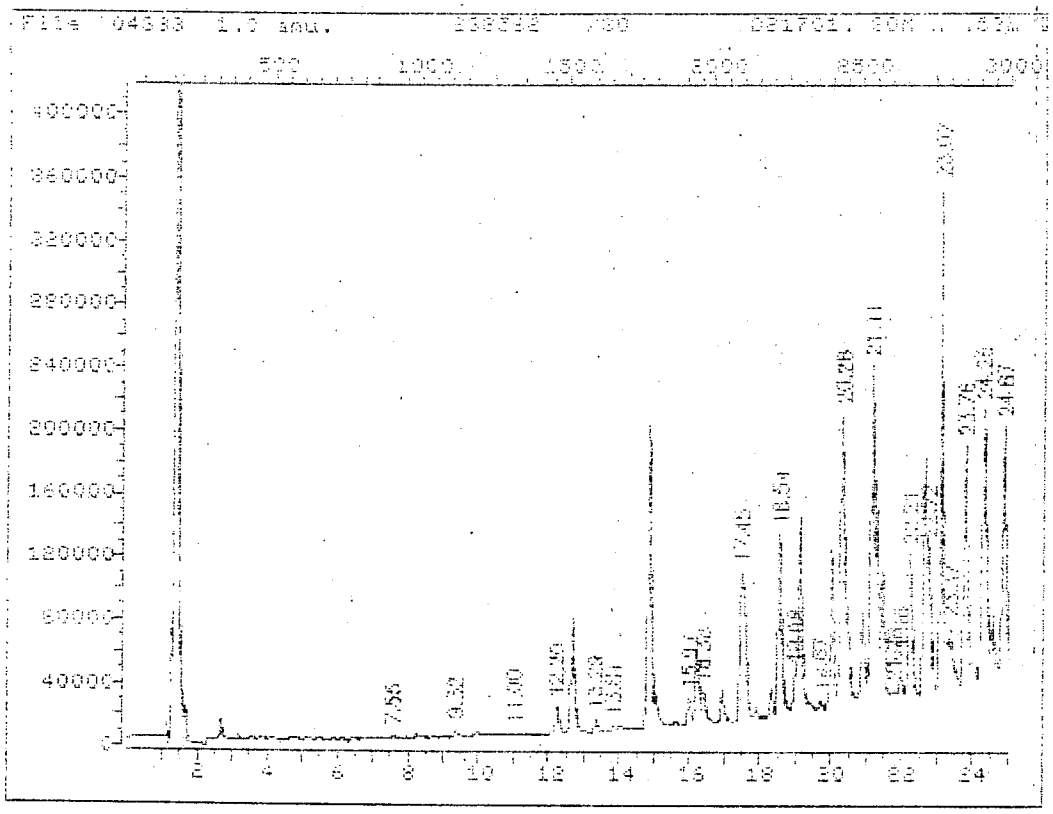


Data File: >03333::F3 Quant Output File: ^03333::GQ
Name: 238562 x30 Instrument ID: GC03
Misc: DB608, 30M X .53m INST 58903, 1ul INJ
Quant Time: 960715 09:13 Quant ID File: IDCAP5::SC
Injected at: 960715 00:43 Last Calibration: 941029 10:07

Compound No: 19
Compound Name: Decachlorobiphenyl
Scan Number: 4993
Retention Time: 41.61 min.
Quant Ion: 1.0
Area: 98829M
Concentration: .855 ng/ml

This report was produced by QAREA on: 960719 11:30

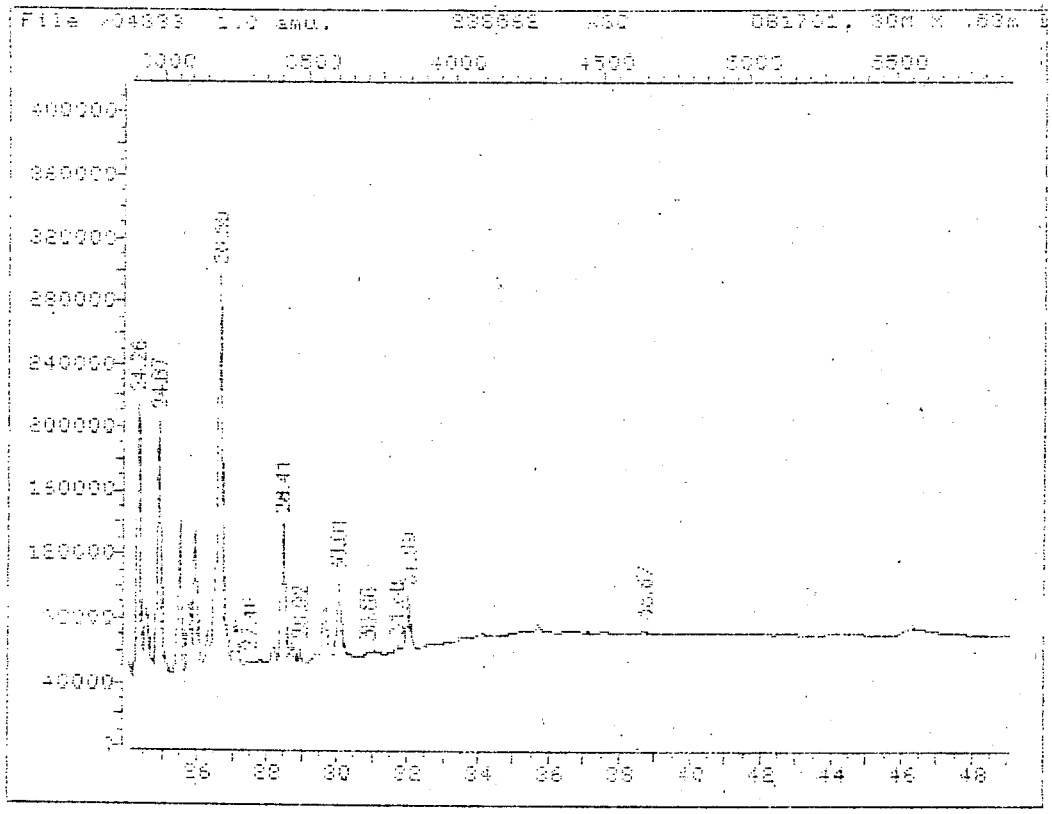


Data File: >04333::G1 Quant Output File: ^04333::GQ
Name: 238562 x30 Instrument ID: GC04
Misc: DB1701, 50M X .53m INS" 58903, 1ul INJ

Id File: IDCAP6::SC
Title: Capillary Column DB1701
Last Calibration: 941027 13:07 Last Scan Time: 960701 21:23

Operator ID: FRFIZ
Quant Time : 960715 01:35
Injected at: 960715 00:45

Page 1 of 2



Data File: >04333::01 Quant Output File: >04333::00
Name: 278562 X30 Instrument ID: GC04
Misc: DB1701, 30M X .53m INST 58P03, 1ul INJ

Id File: .SCAP6::GC
Title: Capillary Column DB1701
Last Calibration: 941029 [illegible] Last Scal Time: 960701 21:23

Operator ID: TRFIC
Quant Time : 960715 01:35
Injected at: 960715 00:43

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QUANT REPORT

Operator ID: TRFI2 Quant Rev: 7 Quant Time: 960715 09:13
Output File: ^03333::GQ Injected at: 960715 00:43
Data File: >03333::F3 Dilution Factor: 1.00000
Name: 238562 x30 Instrument ID: GC03
Misc: DB608, 30M X .53m INST 58903, 1ul INJ

ID File: IDCAP5::SC
Title: Capillary Column DB 608 SS12
Last Calibration: 941029 10:07 Last Qcal Time: 960713 22:00

Compound	R.T.	Scan#	Area	Conc	Units	q
1) #Tetrachloro-m-xylene	9.06	1087	101603	.849	ng/ml	100
~~2) #alpha-BHC~~	12.46	1495	897212	6.02	ng/ml	100
~~3) #beta-BHC~~	14.83	1780	485994	5.94	ng/ml	100
~~4) #delta-BHC~~	16.57	1989	293570	2.28	ng/ml	100
~~5) #gamma-BHC (Lindane)~~	14.40	1728	249136	1.80	ng/ml	100
~~6) #Heptachlor~~	15.91	1909	220697	2.10	ng/ml	100
~~7) #Aldrin~~	17.37	2084	129655	.971	ng/ml	100
~~8) #Heptachlor epoxide~~	19.93	2392	287861	2.31	ng/ml	100
~~9) #Endosulfan I~~ NT	21.71	2605	400814	3.78	ng/ml	100
~~10) #Dieldrin~~	22.99	2759	2188702	23.20	ng/ml	100
~~11) #4,4'-DDE~~	22.69	2723	1399836	15.16	ng/ml	100
~~12) #Endrin~~	24.83	2979	2291622	26.22	ng/ml	100
~~13) #Endosulfan II~~	25.86	3103	885829	8.95	ng/ml	100
~~14) #4,4'-DDD~~	25.53	3063	122859	1.99	ng/ml	100
~~15) #Endosulfan Sulfate~~	28.23	3387	25068	.285	ng/ml	100
~~16) #4,4'-DDT~~	27.10	3252	3860115	56.82	ng/ml	100
~~17) #Methoxychlor~~	32.47	3896	140713	3.54	ng/ml	100
~~18) #Endrin ketone~~	32.67	3920	51336	.554	ng/ml	100
19) #Decachlorobiphenyl	41.61	4993	98829M	.855	ng/ml	
~~20) #alpha-Chlordane~~ NT	21.44	2573	1639516	13.61	ng/ml	100
~~21) #gamma-Chlordane~~ NT	20.83	2499	2534829	20.96	ng/ml	100
~~22) #Toxaphene(1)~~ NT	23.85	2862	807796	505.56	ng/ml	100
~~23) #Aroclor-1016(1)~~ NP	12.46	1495	900020	315.04	ng/ml	100
~~24) #Aroclor-1221(1)~~ NP	7.73	928	108228	125.89	ng/ml	100
~~25) #Aroclor-1232(1)~~ NP	12.46	1495	900020	334.40	ng/ml	100
~~26) #Aroclor-1242(1)~~ NP	12.46	1495	900020	370.91	ng/ml	100
~~27) #Aroclor-1248(1)~~ NP	16.05	1926	472921	62.78	ng/ml	100
28) #Aroclor-1254(1)	20.83	2499	2534829	509.52	ng/ml	100
~~29) #Aroclor-1260(1)~~ NP	24.38	2925	2171187	339.15	ng/ml	100
~~30) #Endrin aldehyde~~ NT	27.69	3322	444013	5.49	ng/ml	100
~~31) #Toxaphene(2)~~ NT	27.69	3322	440390	263.47	ng/ml	100
~~32) #Toxaphene(3)~~ NT	28.23	3387	25068	11.82	ng/ml	100
~~34) #Aroclor-1016(2)~~ NP	14.40	1728	249136	42.91	ng/ml	100
~~35) #Aroclor-1016(3)~~ NP	16.05	1926	472921	42.32	ng/ml	100
~~36) #Aroclor-1016(4)~~ NP	16.67	2000	257619	66.92	ng/ml	100
~~37) #Aroclor-1016(5)~~ NP	19.08	2290	1989086	588.08	ng/ml	100
~~38) #Aroclor-1221(2)~~ NP	11.23	1348	28639	17.62	ng/ml	100
~~39) #Aroclor-1221(3)~~ NP	12.46	1495	900020	242.78	ng/ml	100
~~40) #Aroclor-1232(2)~~ NP	14.40	1728	249136	88.74	ng/ml	100
~~41) #Aroclor-1232(3)~~ NP	16.05	1926	472921	101.33	ng/ml	100

7/21/96

7/21/96

Operator ID: TRFI2 Quant Rev: 7 Quant Time: 960715 09:13
Output File: ^03333::GQ Injected at: 960715 00:43
Data File: >03333::F3 Dilution Factor: 1.00000
Name: 238562 x30 Instrument ID: GC03
Misc: DB608, 30M X .53m INST 58903, 1ul INJ

ID File: IDCAP5::SC
Title: Capillary Column DB 608
Last Calibration: 941029 10:07 Last Qcal Time: 960713 22:00

Compound	R.T.	Scan#	Area	Conc	Units	q
~~42) #Aroclor-1232(4)~~ ND	16.67	2000	257619	147.41	ng/ml	100
~~43) #Aroclor-1242(2)~~ NP	14.40	1728	249136	53.82	ng/ml	100
~~44) #Aroclor-1242(3)~~ NP	16.05	1926	472921	53.33	ng/ml	100
~~45) #Aroclor-1242(4)~~ NP	16.67	2000	257768	77.86	ng/ml	100
~~46) #Aroclor-1242(5)~~ NP	19.08	2290	1989086	679.97	ng/ml	100
~~47) #Aroclor-1248(2)~~ NP	17.53	2103	1269400	397.56	ng/ml	100
~~48) #Aroclor-1248(3)~~ NP	19.08	2290	1989086	483.29	ng/ml	100
~~49) #Aroclor-1248(4)~~ NP	20.46	2455	614368	149.56	ng/ml	100
~~50) #Aroclor-1248(5)~~ NP	21.71	2605	400814	91.52	ng/ml	100
51) #Aroclor-1254(2)	21.13	2535	3421388	583.11	ng/ml	100
52) #Aroclor-1254(3)	22.69	2723	1399836	757.83	ng/ml	100
53) #Aroclor-1254(4)	23.51	2821	4566902	706.63	ng/ml	100
54) #Aroclor-1254(5)	24.83	2979	2291622	627.07	ng/ml	100
~~55) #Aroclor-1260(2)~~ NP	24.83	2979	2291622	321.67	ng/ml	100
~~56) #Aroclor-1260(3)~~ NP	26.54	3184	1809014	392.97	ng/ml	100
~~57) #Aroclor-1260(4)~~ NP	30.13	3615	1069195	97.62	ng/ml	100
~~58) #Aroclor-1260(5)~~ NP	32.89	3946	683825	138.72	ng/ml	100

Compound uses ESTD

7/21/96

Operator ID: TRFI2 Quant Rev: 7 Quant Time: 960715 09:40
Output File: ^04533::SC Injected at: 960715 00:45
Data File: >04533::G1 Dilution Factor: 1.00000
Name: 035%-C X31 Instrument ID: GC04
Misc: DB1701, 30M X .53m INST 30905, 1ul INC

ID File: IDCAP6::SC
Title: Capillary Column DB1701
Last Calibration: 941029 11:07 Last Qcal Time: 960713 22:00

	Compound	R.T.	Scan#	Area	Conc	Units	q	Note
1)	#Tetrachloro-m-xylene	9.52	1119	63293	1.55	ng/ml	100	
2)	~~#alpha-BHC~~	13.29	1595	53192	1.63	ng/ml	100	NT
3)	~~#beta-BHC~~	18.54	2225	811636	52.34	ng/ml	100	NT
4)	~~#delta-BHC~~	19.67	2360	33951	1.27	ng/ml	100	NT
6)	~~#Heptachlor~~	16.38	1966	137871	2.95	ng/ml	100	NT
7)	~~#Aldrin~~	17.45	2094	532477	14.22	ng/ml	100	NT
9)	~~#Endosulfan I~~	21.78	2613	8906	255	ng/ml	100	NT
10)	~~#Dieldrin~~	23.37	2804	145719	4.54	ng/ml	100	NT
11)	~~#4,4'-DDE~~	22.72	2726	502259	17.74	ng/ml	100	NT
12)	~~#Endrin~~	24.26	2911	1405584	48.40	ng/ml	100	NT
13)	~~#Endosulfan II~~	26.59	3190	2044161	59.71	ng/ml	100	NT
14)	~~#4,4'-DDD~~	26.59	3190	2044161	106.34	ng/ml	100	NT
16)	~~#4,4'-DDT~~	27.46	3295	12642	.723	ng/ml	100	NT
17)	~~#Methoxychlor~~	30.86	3703	22972	1.72	ng/ml	100	NT
19)	#Decachlorobiphenyl	38.67	4640	24950	.544	ng/ml	100	
20)	~~#alpha-Chlordane~~	22.21	2665	592780	14.23	ng/ml	100	NT
21)	~~#gamma-Chlordane~~	21.96	2635	74075	1.85	ng/ml	100	NT
23)	~~#Aroclor-1016(1)~~	12.20	1464	127140	104.94	ng/ml	100	NP
24)	~~#Aroclor-1221(1)~~	7.55	906	9054	11.84	ng/ml	100	NP
25)	~~#Aroclor-1232(1)~~	7.55	906	9054	8.20	ng/ml	100	NP
26)	~~#Aroclor-1242(1)~~	12.20	1464	127140	123.76	ng/ml	100	NP
27)	~~#Aroclor-1248(1)~~	13.81	1657	30833	29.99	ng/ml	100	NP
28)	#Aroclor-1254(1)	17.45	2094	531783	335.39	ng/ml	100	
29)	~~#Aroclor-1260(1)~~	23.76	2851	1075322	433.33	ng/ml	100	NP
30)	~~#Endrin aldehyde~~	28.92	3470	59503	1.85	ng/ml	100	NT
31)	~~#Toxaphene(2)~~	28.41	3409	641317	947.12	ng/ml	100	NP
33)	~~#Toxaphene(4)~~	31.68	3801	32340	62.40	ng/ml	100	NP
34)	~~#Aroclor-1016(2)~~	13.81	1657	30833	12.48	ng/ml	100	NP
35)	~~#Aroclor-1016(3)~~	15.97	1917	105543	26.26	ng/ml	100	NP
36)	~~#Aroclor-1016(4)~~	16.38	1966	137871	92.82	ng/ml	100	NP
37)	~~#Aroclor-1016(5)~~	18.54	2225	811636	415.37	ng/ml	100	NP
38)	~~#Aroclor-1221(2)~~	11.00	1320	7288	11.18	ng/ml	100	NP
39)	~~#Aroclor-1221(3)~~	12.20	1464	127140	74.98	ng/ml	100	NP
40)	~~#Aroclor-1232(2)~~	12.20	1464	127140	111.97	ng/ml	100	NP
41)	~~#Aroclor-1232(3)~~	13.81	1657	30833	30.90	ng/ml	100	NP
42)	~~#Aroclor-1232(4)~~	15.97	1917	105543	64.83	ng/ml	100	NP
43)	~~#Aroclor-1242(2)~~	13.81	1657	30833	15.95	ng/ml	100	NP
44)	~~#Aroclor-1242(3)~~	15.97	1917	105543	33.48	ng/ml	100	NP
45)	~~#Aroclor-1242(4)~~	16.38	1966	137871	120.47	ng/ml	100	NP
46)	~~#Aroclor-1242(5)~~	17.45	2094	531783	622.09	ng/ml	100	NP

EPvá
7/16/96

QUANT REPORT

Operator ID: TRF12 Quant Rev: F Quant Time: 960715 09:40
Autoq File: 104333:60 Injected at: 960715 00:43
Data File: 104333:61 Dilution Factor: 1.00000
Name: 278562 X50 Instrument ID: GC04
Disc: CS1701, 30M X .53m 1.5T 58905, 1u! 1%E

ID File: IDCAP6:SC
Title: Capillary Column CS1701
Last Calibration: 941025 10:07 Last Qual Time: 960713 22:00

	Compound	R.T.	Scan#	Area	Conc	Units	q
47)	~~#Aroclor-1254(2)~~	15.97	1917	105543	39.08	ng/ml	100
48)	~~#Aroclor-1254(3)~~	16.54	2225	811636	335.32	ng/ml	100
49)	~~#Aroclor-1254(4)~~	16.98	2277	105141	57.55	ng/ml	100
50)	~~#Aroclor-1254(5)~~	20.28	2434	1127877	1076.33	ng/ml	100
51)	#Aroclor-1254(2)	20.23	2434	1227879	571.44	ng/ml	100
52)	#Aroclor-1254(3)	21.11	2533	1320550	719.62	ng/ml	100
53)	#Aroclor-1254(4)	23.07	2768	2116102	614.56	ng/ml	100
54)	#Aroclor-1254(5)	23.76	2851	1075322	756.00	ng/ml	100
55)	~~#Aroclor-1260(2)~~	24.87	2984	1165597	408.32	ng/ml	100
56)	~~#Aroclor-1260(3)~~	28.41	3409	643724	587.07	ng/ml	100
57)	~~#Aroclor-1260(4)~~	30.01	3601	413872	96.75	ng/ml	100
58)	~~#Aroclor-1260(5)~~	31.99	3839	346319	125.64	ng/ml	100

NP

NP

Compound uses ESTD

EPui
7/16/96

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS26

Lab Name: ICM Contract:

Lab Code: ICM Case No.: SAS No.: SDG No.: RIN1A

Matrix: (soil/water) SOIL Lab Sample ID: 238550

Sample wt/vol: 30.4 (g/mL) G Lab File ID: 03277

% Moisture: 24. decanted: (Y/N) N Date Received: 06/28/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 07/03/96

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 07/12/96

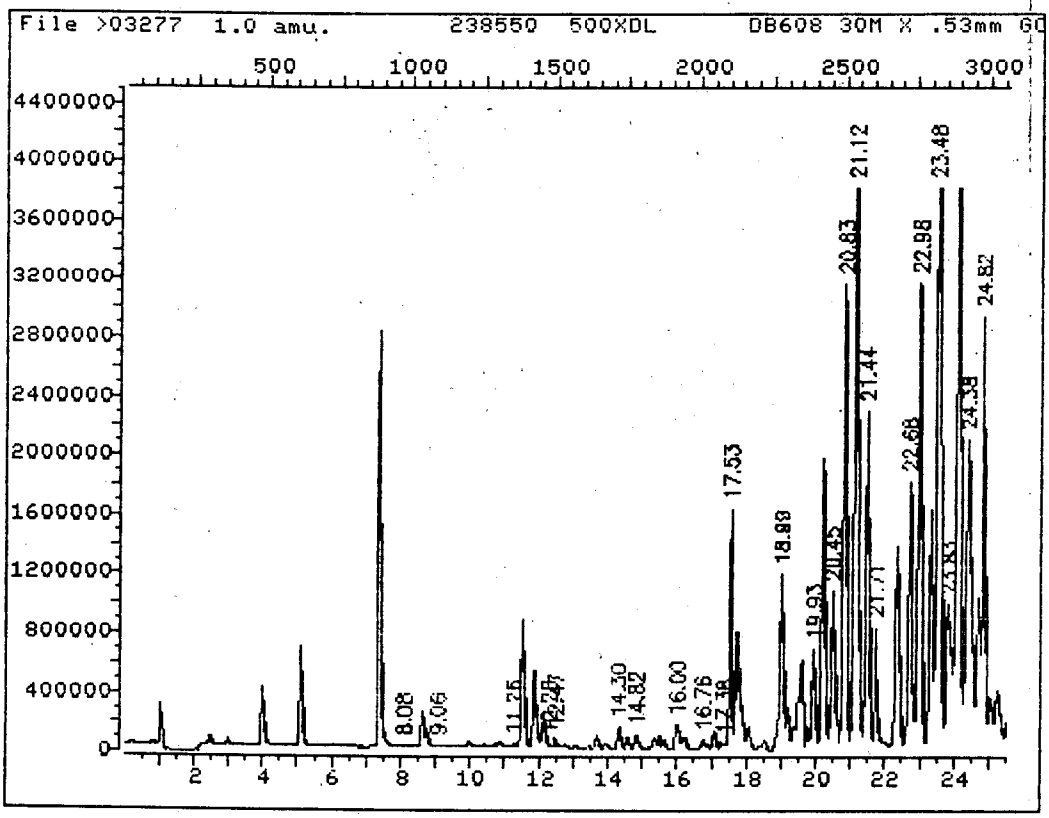
Injection Volume: 1.0 (uL) Dilution Factor: 500.0

GPC Cleanup: (Y/N) Y pH: 7.4 Sulfur Cleanup: (Y/N) N

Use these data.

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
319-84-6	alpha-BHC	1100.	U
319-85-7	beta-BHC	1100.	U
319-86-8	delta-BHC	1100.	U
58-89-9	gamma-BHC (Lindane)	1100.	U
76-44-8	Heptachlor	1100.	U
309-00-2	Aldrin	1100.	U
1024-57-3	Heptachlor epoxide	1100.	U
959-98-8	Endosulfan I	1100.	U
60-57-1	Dieldrin	2100.	U
72-55-9	4,4'-DDE	2100.	U
72-20-8	Endrin	2100.	U
33213-65-9	Endosulfan II	2100.	U
72-54-8	4,4'-DDD	2100.	U
1031-07-8	Endosulfan Sulfate	2100.	U
50-29-3	4,4'-DDT	2100.	U
72-43-5	Methoxychlor	11000.	U
53494-70-5	Endrin ketone	2100.	U
7421-93-4	Endrin aldehyde	2100.	U
5103-71-9	alpha-Chlordane	1100.	U
5103-74-2	gamma-Chlordane	1100.	U
8001-35-2	Toxaphene	110000.	U
12674-11-2	Aroclor-1016	21000.	U
11104-28-2	Aroclor-1221	43000.	U
11141-16-5	Aroclor-1232	21000.	U
53469-21-9	Aroclor-1242	21000.	U
12672-29-6	Aroclor-1248	21000.	U
11097-69-1	Aroclor-1254	1900000 ~~1200000.~~	E D*
11096-82-5	Aroclor-1260	21000.	U

D*. Value transferred from diluted analysis SS26 DL 5000 x D/F.

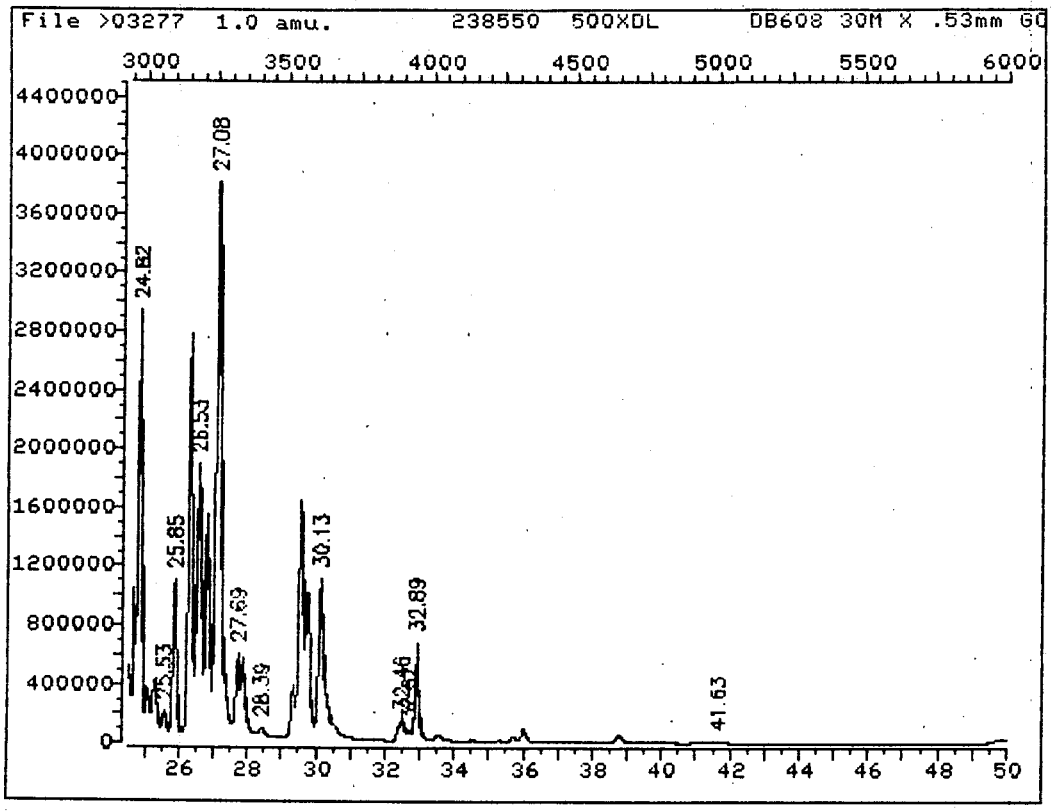


Data File: >03277::G4 Quant Output File: ^03277::GQ
Name: 238550 500XDL Instrument ID: GC03
Misc: DB608 30M X .53mm GC58903 1ul inj.

Id File: IDCAP1::SC
Title: Capillary Column DB 608
Last Calibration: 941029 10:07 Last Qcal Time: 960702 00:13

Operator ID: TRFI2
Quant Time : 960713 10:32
Injected at: 960712 07:33

Page 1 of 2

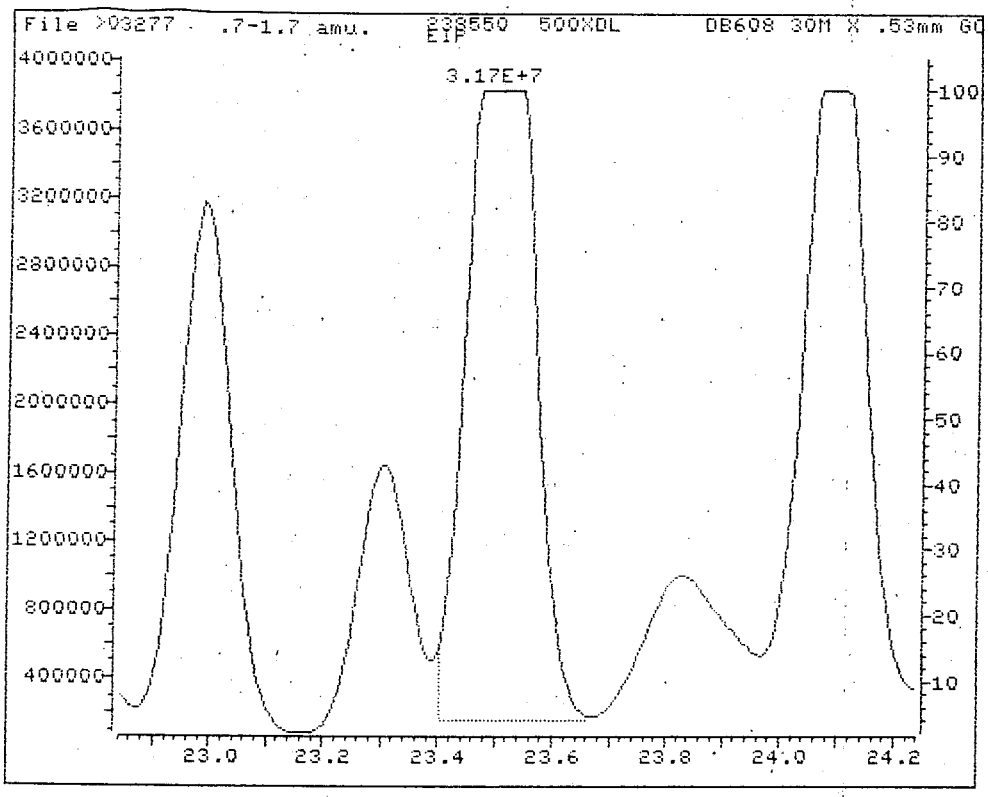


Data File: >03277::G4 Quant Output File: ^03277::GQ
Name: 238550 500XDL Instrument ID: GC03
Misc: DB608 30M X .53mm GC58903 1ul inj.

Id File: IDCAP1::SC
Title: Capillary Column DB 608
Last Calibration: 941029 10:07 Last Qcal Time: 960702 00:13

Operator ID: TRFI2
Quant Time : 960713 10:32
Injected at: 960712 07:33

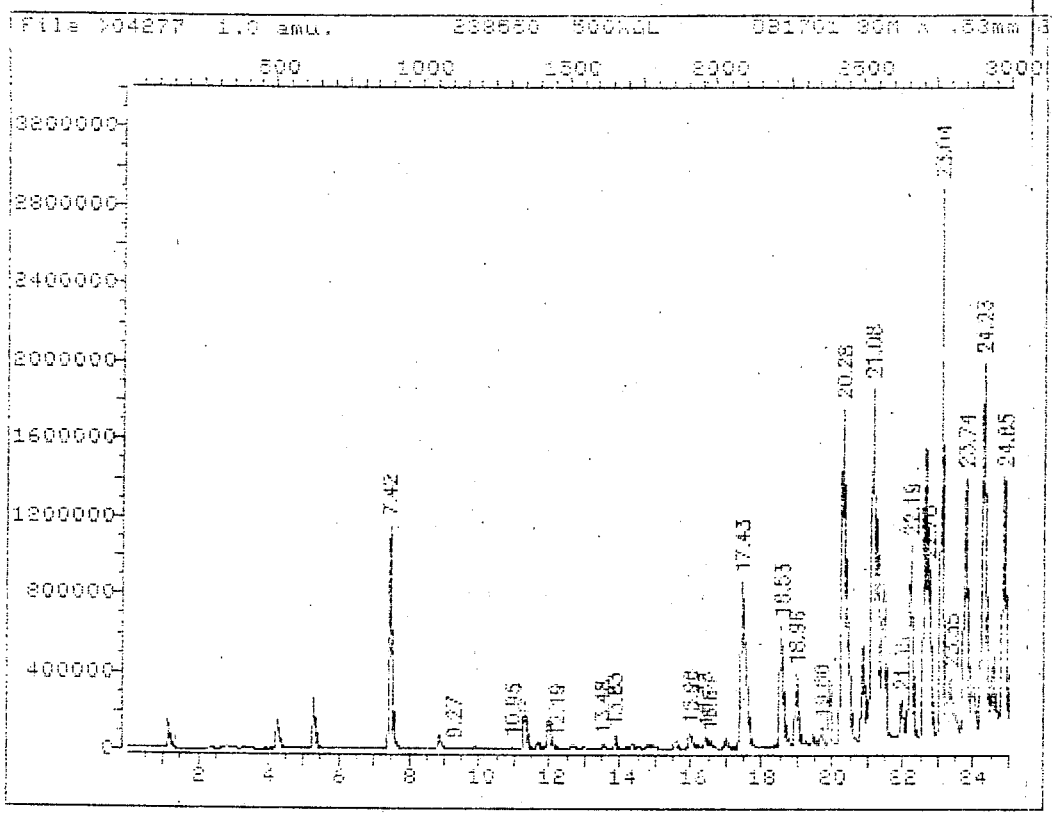
Page 2 of 2



Data File: >03277::G4 Quant Output File: ^03277::GQ
Name: 238550 500XDL Instrument ID: GC03
Misc: DB608 30M X .53mm GC58903 1ul inj.
Quant Time: 960713 10:32 Quant ID File: IDCAP1::SC
Injected at: 960712 07:33 Last Calibration: 941029 10:07

Compound No: 53
Compound Name: Aroclor-1254(4)
Scan Number: 2818
Retention Time: 23.48 min.
Quant Ion: 1.0
Area: 31685672M
Concentration: 5219.11 ng/ml

This report was produced by QAREA on: 960716 08:24

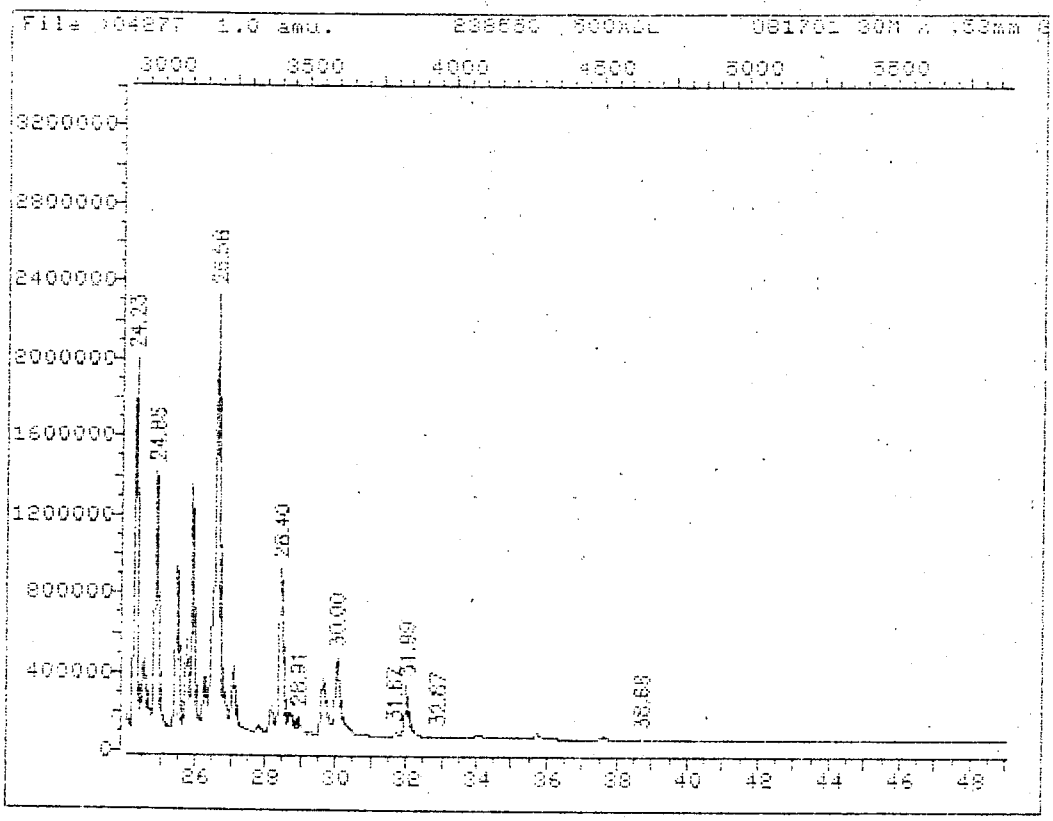


Data File: >04277::G1 Quant Output File: ^04277::GQ
Name: 238550 500XDL Instrument ID: GC04
Misc: DB1701 30M X .53mm GC58903 1ul inj.

Id File: IDCAP2::SC
Title: Capillary Column DB1701
Last Calibration: 941029 10:07 Last Sce: Time: 960701 21:23

Operator ID: TRFI2
Quant Time : 960712 09:04
Injected at: 960712 07:33

Page 1 of 2



Data File: >04277::G1 Quant Output File: ^04277::GQ
Name: 238550 500XDL Instrument ID: GC04
Misc: DB1701 30M X .53mm 0.58903 1ul inj.

Id File: IDCAP2::GC
Title: Capillary Column DB1701
Last Calibration: 941029 10:07 Last Cal Time: 960701 21:23

Operator ID: TRFI2
Quant Time : 960712 09:04
Injected at: 960712 07:33

Page 2 of 2

QUANT REPORT

Operator ID: TRFI2
Output File: ^03277::GQ
Data File: >03277::G4
Name: 238550 500XDL
Disc: DB608 30M X .53mm GC58903 1ul inj.

Quant Rev: 7
Quant Time: 960713 10:32
Injected at: 960712 07:33
Dilution Factor: 1.00000
Instrument ID: GC03

ID File: IDCAP1::SC
Title: Capillary Column DB 608
Last Calibration: 941029 10:07
Last Qcal Time: 960702 00:13

	Compound	R.T.	Scan#	Area	Conc	Units	q
1)	#Tetrachloro-m-xylene	9.06	1087	22108	.177	ng/ml	100
2)	#alpha-BHC	12.47	1496	349761	2.36	ng/ml	100
3)	#beta-BHC	14.82	1778	612278	7.46	ng/ml	100
5)	#gamma-BHC (Lindane)	14.30	1716	884438	6.47	ng/ml	100
6)	#Heptachlor	16.00	1920	1413092	18.11	ng/ml	100
7)	#Aldrin	17.38	2085	26831	.199	ng/ml	100
8)	#Heptachlor epoxide	19.93	2392	3628626	33.03	ng/ml	100
9)	#Endosulfan I	21.71	2605	5036220	41.33	ng/ml	100
10)	#Dieldrin	22.98	2758	19765832	209.05	ng/ml	100
11)	#4,4'-DDE	22.68	2722	13991862	152.95	ng/ml	100
12)	#Endrin	24.82	2978	19013296	222.14	ng/ml	100
13)	#Endosulfan II	25.85	3102	7315043	75.95	ng/ml	100
14)	#4,4'-DDD	25.53	3063	1053974	18.30	ng/ml	100
15)	#Endosulfan Sulfate	28.39	3407	449029	5.07	ng/ml	100
16)	#4,4'-DDT	27.08	3249	3855323	59.48	ng/ml	100
17)	#Methoxychlor	32.46	3895	1715437	44.18	ng/ml	100
18)	#Endrin ketone	32.67	3920	423379	4.70	ng/ml	100
19)	#Decachlorobiphenyl	41.63	4996	216053	1.80	ng/ml	100
20)	#alpha-Chlordane NT	21.44	2573	13803662	100.52	ng/ml	100
21)	#gamma-Chlordane NT	20.83	2499	19621384	166.51	ng/ml	100
22)	#Toxaphene(1) NP	23.83	2859	8661694	5400.98	ng/ml	100
23)	#Aroclor-1016(1) NP	12.28	1474	60138	20.46	ng/ml	100
24)	#Aroclor-1221(1) NP	8.08	970	45551	53.71	ng/ml	100
25)	#Aroclor-1232(1) NP	12.28	1474	60138	20.99	ng/ml	100
26)	#Aroclor-1242(1) NP	12.28	1474	60138	23.06	ng/ml	100
27)	#Aroclor-1248(1) NP	16.00	1920	1413092	186.74	ng/ml	100
28)	#Aroclor-1254(1)	20.83	2499	19621384	4138.27	ng/ml	100
29)	#Aroclor-1260(1) NP	24.38	2925	14808978	1910.33	ng/ml	100
30)	#Endrin aldehyde NT	27.69	3322	4388281	55.63	ng/ml	100
31)	#Toxaphene(2) NP	27.69	3322	4391405	2386.44	ng/ml	100
32)	#Toxaphene(3) NP	28.39	3407	449029	179.65	ng/ml	100
34)	#Aroclor-1016(2) NP	14.30	1716	867904	132.77	ng/ml	100
35)	#Aroclor-1016(3) NP	16.00	1920	1413092	127.93	ng/ml	100
36)	#Aroclor-1016(4) NP	16.76	2011	433790	116.16	ng/ml	100
37)	#Aroclor-1016(5) NP	18.99	2279	8387621	2468.65	ng/ml	100
38)	#Aroclor-1221(2) NP	11.26	1351	86188	51.29	ng/ml	100
39)	#Aroclor-1221(3) NP	12.28	1474	60138	15.76	ng/ml	100
40)	#Aroclor-1232(2) NP	14.30	1716	867904	307.54	ng/ml	100
41)	#Aroclor-1232(3) NP	16.00	1920	1413092	300.36	ng/ml	100
42)	#Aroclor-1232(4) NP	16.76	2011	433790	251.95	ng/ml	100

NT

7/19/96

QUANT REPORT

Operator ID: TRFI2 Quant Rev: 7 Quant Time: 960713 10:32
Output File: ^03277::GQ Injected at: 960712 07:33
Data File: >03277::G4 Dilution Factor: 1.00000
Name: 238550 500XDL Instrument ID: GC03
Misc: DB608 30M X .53mm GC58903 1ul inj.

ID File: IDCAP1::SC
Title: Capillary Column DB 608
Last Calibration: 941029 10:07 Last Qcal Time: 960702 00:13

	Compound	R.T.	Scan#	Area	Conc	Units	q
43)	~~#Aroclor-1242(2)~~ NP	14.30	1716	867904	161.25	ng/ml	100
44)	~~#Aroclor-1242(3)~~ NP	16.00	1920	1413092	158.54	ng/ml	100
45)	~~#Aroclor-1242(4)~~ NP	16.76	2011	433790	137.15	ng/ml	100
46)	~~#Aroclor-1242(5)~~ NP	18.99	2279	8387621	2806.20	ng/ml	100
47)	~~#Aroclor-1248(2)~~ NP	17.53	2103	9876606	3786.55	ng/ml	100
48)	~~#Aroclor-1248(3)~~ NP	18.99	2279	8387621	2019.83	ng/ml	100
49)	~~#Aroclor-1248(4)~~ NP	20.45	2454	6135636	1266.37	ng/ml	100
50)	~~#Aroclor-1248(5)~~ NP	21.71	2605	5036220	913.47	ng/ml	100
51)	#Aroclor-1254(2)	21.12	2534	27119048	4893.48	ng/ml	100
52)	#Aroclor-1254(3)	22.68	2722	13991862	8677.66	ng/ml	100
53)	#Aroclor-1254(4)	23.48	2818	31685672M	5219.11	ng/ml	
54)	#Aroclor-1254(5)	24.82	2978	18886660	5267.33	ng/ml	100
55)	~~#Aroclor-1260(2)~~ NP	24.82	2978	18886660	2696.41	ng/ml	100
56)	~~#Aroclor-1260(3)~~ NP	26.53	3183	10772722	2063.64	ng/ml	100
57)	~~#Aroclor-1260(4)~~ NP	30.13	3615	9638474	892.07	ng/ml	100
58)	~~#Aroclor-1260(5)~~ NP	32.89	3946	5984216	1083.90	ng/ml	100

Compound uses ESTD

7/19/96

QUANT REPORT

Operator ID: TRFIZ
Output File: ^04277::GQ
Data File: >04277::G1
Name: 238550 500XDL
Misc: DB1701 30M X .53mm 1038903 1ul inj.

Quant Rev: 7: Quan Time: 960712 09:04
Injected at: 960712 07:33
Dilution Factor: 1.00000
Instrument ID: GC04

ID File: IDCAP2::SC
Title: Capillary Column DB1701
Last Calibration: 941027 10:07

Last Scal Time: 960701 21:23

	Compound	R.T.	Scan#	Area	Conc	Units	q
1)	#Tetrachloro-m-xylene	9.27	1112	7965	.192	ng/ml	100
2)	~~#alpha BHC~~	13.48	1618	129425	3.95	ng/ml	100
3)	~~#beta BHC~~	18.53	2224	4200561	159.87	ng/ml	100
4)	~~#delta BHC~~	19.66	2359	531301	21.82	ng/ml	100
6)	~~#Heptachlor~~	16.38	1966	379415	8.00	ng/ml	100
7)	~~#Aldrin~~	17.43	2091	8076265	214.45	ng/ml	100
9)	~~#Endosulfan I~~	21.95	2634	1090085	30.53	ng/ml	100
10)	~~#Dieldrin~~	23.35	2802	1897593	58.43	ng/ml	100
11)	~~#4,4'-DDE~~	22.70	2724	4647440	167.42	ng/ml	100
12)	~~#Endrin~~	24.23	2908	13582084	468.54	ng/ml	100
13)	~~#Endosulfan II~~	26.58	3189	17776624	496.69	ng/ml	100
14)	~~#4,4'-DDD~~	26.58	3189	17487848	827.60	ng/ml	100
18)	~~#Endrin ketone~~	32.87	3944	49734	1.77	ng/ml	100
19)	#Decachlorobiphenyl	38.68	4642	69156	1.48	ng/ml	100
20)	~~#alpha Chlordane~~ NT	22.19	2663	6192818	148.49	ng/ml	100
21)	~~#gamma Chlordane~~ NT	21.95	2634	1090085	27.28	ng/ml	100
23)	~~#Aroclor-1016(1)~~ NP	12.19	1463	39299	31.82	ng/ml	100
24)	~~#Aroclor-1221(1)~~ NP	7.42	890	5999395	7586.20	ng/ml	100
25)	~~#Aroclor-1232(1)~~ NP	7.42	890	5999395	5038.16	ng/ml	100
26)	~~#Aroclor-1242(1)~~ NP	12.19	1463	39299	37.14	ng/ml	100
27)	~~#Aroclor-1248(1)~~ NP	13.83	1660	373622	339.20	ng/ml	100
28)	#Aroclor-1254(1)	17.43	2091	8058517	5072.59	ng/ml	100
29)	~~#Aroclor-1260(1)~~ NP	23.74	2849	9217578	5989.72	ng/ml	100
30)	~~#Endrin aldehyde~~ NT	28.91	3469	698661	22.99	ng/ml	100
31)	~~#Toxaphene(2)~~ NP	28.40	3408	6492253	9007.76	ng/ml	100
33)	~~#Toxaphene(4)~~ NP	31.67	3800	196301	391.20	ng/ml	100
34)	~~#Aroclor-1016(2)~~	13.83	1660	373622	152.83	ng/ml	100
35)	~~#Aroclor-1016(3)~~	15.96	1915	582545	150.17	ng/ml	100
36)	~~#Aroclor-1016(4)~~ NP	16.51	1981	256375	176.04	ng/ml	100
37)	~~#Aroclor-1016(5)~~	18.53	2224	4200254	2038.30	ng/ml	100
38)	~~#Aroclor-1221(2)~~ NP	10.95	1314	51376	78.33	ng/ml	100
39)	~~#Aroclor-1221(3)~~	12.19	1463	39299	22.91	ng/ml	100
40)	~~#Aroclor-1232(2)~~	12.19	1463	39299	33.55	ng/ml	100
41)	~~#Aroclor-1232(3)~~ NP	13.83	1660	373622	362.85	ng/ml	100
42)	~~#Aroclor-1232(4)~~	15.96	1915	582545	372.91	ng/ml	100
43)	~~#Aroclor-1242(2)~~	13.83	1660	373622	188.10	ng/ml	100
44)	~~#Aroclor-1242(3)~~ NP	15.96	1915	582545	188.94	ng/ml	100
45)	~~#Aroclor-1242(4)~~	16.51	1981	256375	224.30	ng/ml	100
46)	~~#Aroclor-1242(5)~~	17.43	2091	8062983	10190.31	ng/ml	100
47)	~~#Aroclor-1248(2)~~ NP	15.96	1915	582545	223.00	ng/ml	100

EPrui
7/13/94

QUANT REPORT

Operator ID: TRFI2 Quant Rev: 7 Quant Time: 960712 09:04
Output File: >04277::GQ Injected at: 960712 07:33
Data File: >04277::G1 Dilution Factor: 1.00000
Name 238550 500XDL Instrument ID: GC04
Disc: 581741 30M X .53mm GE33903 1ul inj.

ID File: IDCAP2::GC
Title: Capillary Column DB1701
Last Calibration: 941022 10:07 Last Cal Time: 960701 21:23

	Compound	R.T.	Scan#	Area	Conc.	Units	q
48)	#~~Aroclor-1248(3)~~	18.53	2224	4200284	1704.88	ng/ml	100
49)	#~~Aroclor-1248(4)~~ UP	18.96	2275	2206782	1250.05	ng/ml	100
50)	#~~Aroclor-1248(5)~~	20.28	2433	12172462	12682.29	ng/ml	100
51)	#Aroclor-1254(2)	20.28	2433	12172462	5986.97	ng/ml	100
52)	#Aroclor-1254(3)	21.08	2530	11107468	6056.38	ng/ml	100
53)	#Aroclor-1254(4)	23.04	2765	17939728	7036.01	ng/ml	100
54)	#Aroclor-1254(5)	23.74	2849	9217578	6796.32	ng/ml	100
55)	#~~Aroclor-1260(2)~~	24.65	2982	9342788	3441.03	ng/ml	100
56)	#~~Aroclor-1260(3)~~ UP	28.40	3408	6523961	3675.80	ng/ml	100
57)	#~~Aroclor-1260(4)~~	30.00	3600	4493111	1142.83	ng/ml	100
58)	#~~Aroclor-1260(5)~~	31.99	3839	2947232	1186.75	ng/ml	100

Compound uses ESTD

EPNU
7/13/96

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS26	DL

Lab Name: ICM Contract:

Lab Code: ICM Case No.: SAS No.: SDG No.: RIN1A

Matrix: (soil/water) SOIL Lab Sample ID: 238550

Sample wt/vol: 30.4 (g/mL) G Lab File ID: 03232

% Moisture: 24. decanted: (Y/N) N Date Received: 06/28/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 07/03/96

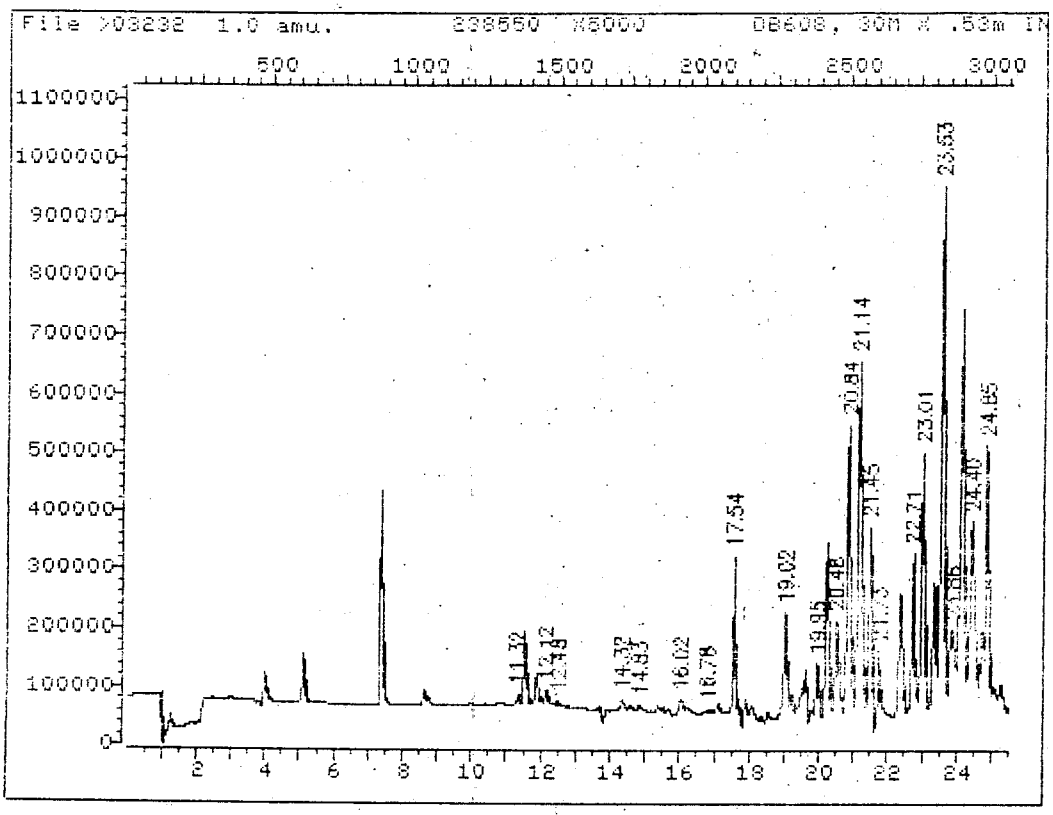
Concentrated Extract Volume: 5000 (uL) Date Analyzed: 07/10/96

Injection Volume: 1.0 (uL) Dilution Factor: 5000.0

GPC Cleanup: (Y/N) Y pH: 7.4 Sulfur Cleanup: (Y/N) N

Do not use these data.

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
319-84-6	alpha-BHC	11000.	U
319-85-7	beta-BHC	11000.	U
319-86-8	delta-BHC	11000.	U
58-89-9	gamma-BHC (Lindane)	11000.	U
76-44-8	Heptachlor	11000.	U
309-00-2	Aldrin	11000.	U
1024-57-3	Heptachlor epoxide	11000.	U
959-98-8	Endosulfan I	11000.	U
60-57-1	Dieldrin	21000.	U
72-55-9	4,4'-DDE	21000.	U
72-20-8	Endrin	21000.	U
33213-65-9	Endosulfan II	21000.	U
72-54-8	4,4'-DDD	21000.	U
1031-07-8	Endosulfan Sulfate	21000.	U
50-29-3	4,4'-DDT	21000.	U
72-43-5	Methoxychlor	110000.	U
53494-70-5	Endrin ketone	21000.	U
7421-93-4	Endrin aldehyde	21000.	U
5103-71-9	alpha-Chlordane	11000.	U
5103-74-2	gamma-Chlordane	11000.	U
8001-35-2	Toxaphene	1100000.	U
12674-11-2	Aroclor-1016	210000.	U
11104-28-2	Aroclor-1221	430000.	U
11141-16-5	Aroclor-1232	210000.	U
53469-21-9	Aroclor-1242	210000.	U
12672-29-6	Aroclor-1248	210000.	U
11097-69-1	Aroclor-1254	1900000.	D
11096-82-5	Aroclor-1260	210000.	U

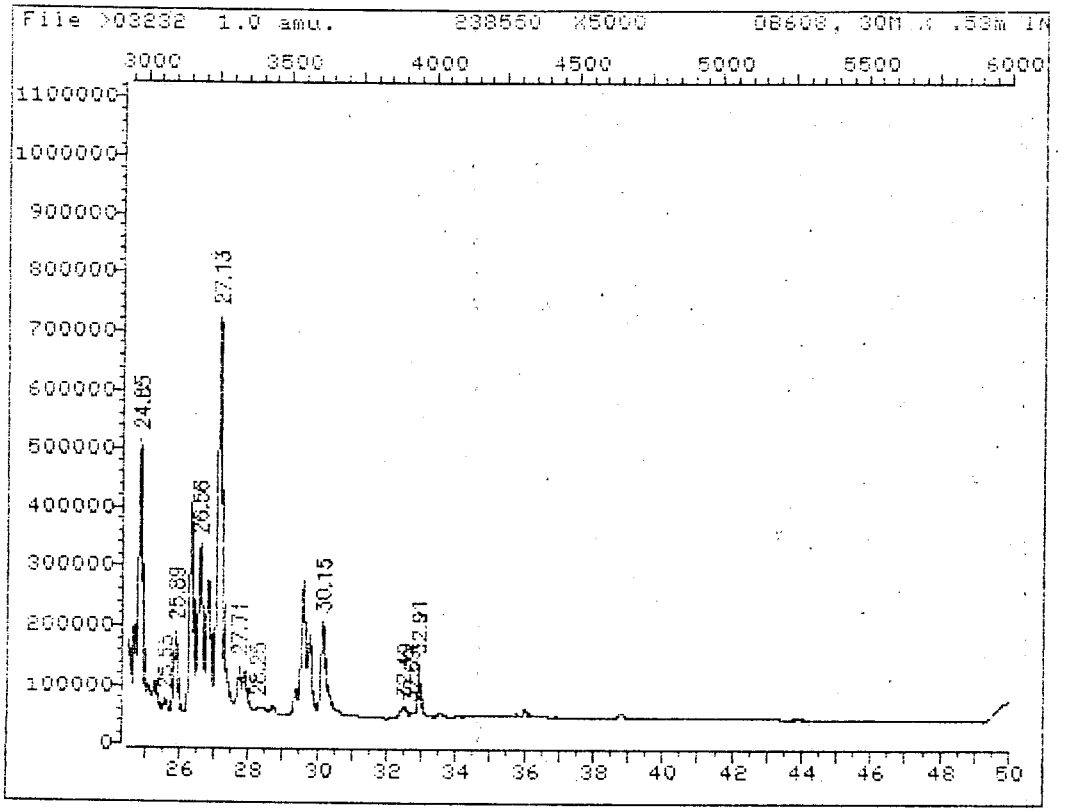


Data File: >03232::G3 Quant Output File: ^03232::F3
Name: 238550 X5000 Instrument ID: GC03
Misc: DB608, 30M X .53m INST 58903, 1ul INJ

Id File: IDCAP1::SC
Title: Capillary Column DB 608
Last Calibration: 941029 10:07 Last Qcal Time: 960702 00:13

Operator ID: TRFIL
Quant Time : 960710 04:52
Injected at: 960710 03:58

Page 1 of 2



Data File: >03232::G3 Quant Output File: ^03232::F3
Name: 238550 X5000 Instrument ID: GC03
Misc: DB608, 30M X .53m INST 58903, 1ul INJ

Id File: IDCAP1::SC
Title: Capillary Column DB 608
Last Calibration: 941029 10:07 Last Qcal Time: 960702 00:13

Operator ID: TRFIL
Quant Time : 960710 04:52
Injected at: 960710 03:58

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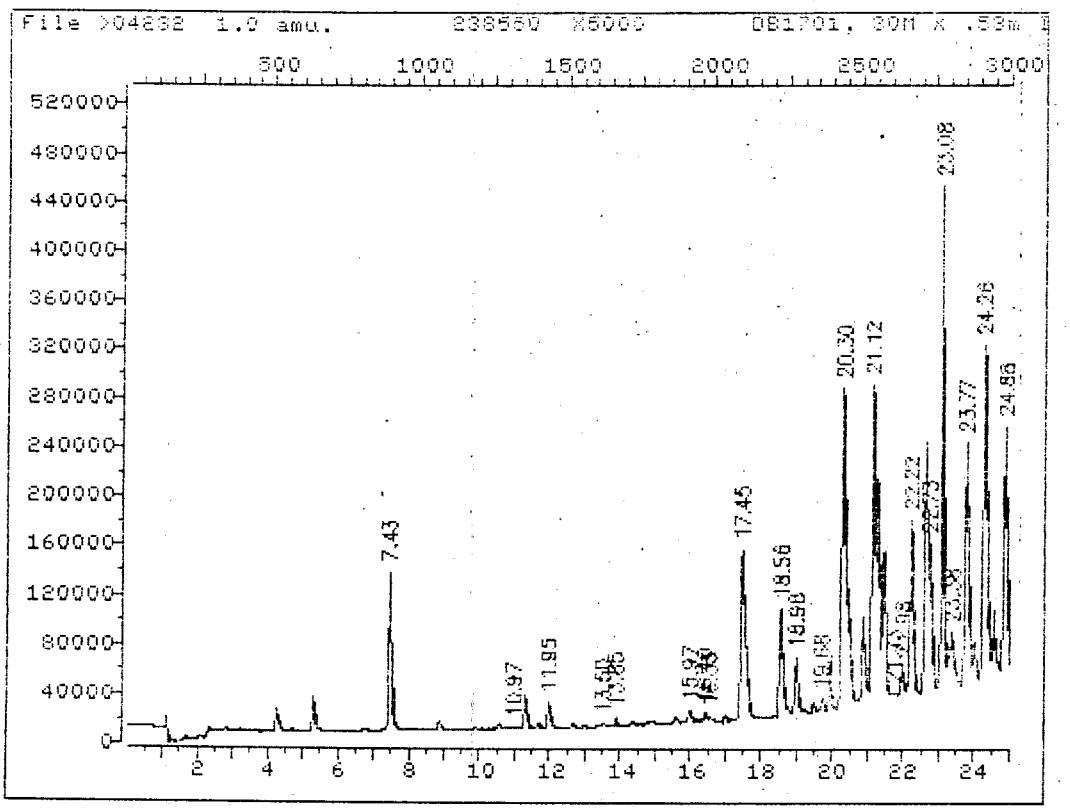
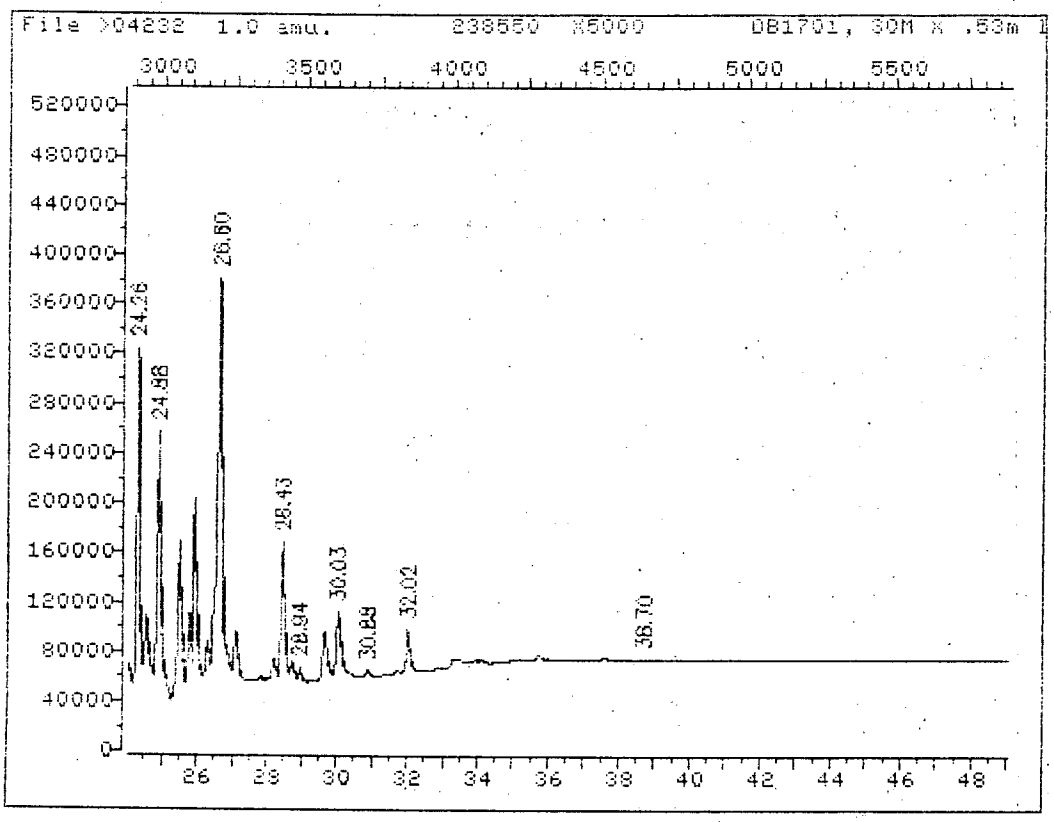


Data File: >04232::G1 Quant Output File: ^04232::F3
Name: 238550 X5000 Instrument ID: GC04
Misc: DB1701, 30M X .53m INST 58903, 1ul INJ

Id File: IDCAP2::SC
Title: Capillary Column DB1701
Last Calibration: 941029 10:07 Last Qcal Time: 960701 21:23

Operator ID: TRFIL
Quant Time : 960710 04:50
Injected at: 960710 03:58

Page 1 of 2



Data File: >04232::G1 Quant Output File: ^04232::F3
Name: 238550 X5000 Instrument ID: GC04
Misc: DB1701, 30M X .53m INST 58903, 1ul INJ

Id File: IDCAP2::SC
Title: Capillary Column DB1701
Last Calibration: 941029 10:07 Last Qcal Time: 960701 21:23

Operator ID: TRFIL
Quant Time : 960710 04:50
Injected at: 960710 03:58

Page 2 of 2

QUANT REPORT

Operator ID: TRFIL Quant Rev: 7 Quant Time: 960710 04:52
Output File: ^03232::F3 Injected at: 960710 03:58
Data File: >03232::G3 Dilution Factor: 1.00000
Name: 238550 X5000 Instrument ID: GC03
Misc: DB608, 30M X .53m INST 58903, 1ul INJ

S526DL

ID File: IDCAP1::SC
Title: Capillary Column DB 608
Last Calibration: 941029 10:07 Last Qcal Time: 960702 00:13

	Compound	R.T.	Scan#	Area	Conc	Units	q
2)	~~#alpha-BHC~~	12.48	1498	41319	.279	ng/ml	100
3)	~~#beta-BHC~~	14.83	1780	85091	1.04	ng/ml	100
5)	~~#gamma-BHC (Lindane)~~	14.32	1718	94492	.691	ng/ml	100
6)	~~#Heptachlor~~	16.02	1922	252326	3.23	ng/ml	100
7)	~~#Aldrin~~	17.54	2105	1625491	12.06	ng/ml	100
8)	~~#Heptachlor epoxide~~	19.95	2394	501067	4.56	ng/ml	100
9)	~~#Endosulfan I~~	21.73	2608	1445582	11.86	ng/ml	100
10)	~~#Dieldrin~~	23.01	2761	2751681	29.10	ng/ml	100
11)	~~#4,4'-DDE~~	22.71	2725	2059058	22.51	ng/ml	100
12)	~~#Endrin~~	24.85	2982	3067733	35.84	ng/ml	100
13)	~~#Endosulfan II~~	25.89	3106	954560	9.91	ng/ml	100
14)	~~#4,4'-DDD~~	25.55	3066	129997	2.26	ng/ml	100
15)	~~#Endosulfan Sulfate~~	28.25	3390	43347	.489	ng/ml	100
16)	~~#4,4'-DDT~~	27.13	3255	5060204	78.07	ng/ml	100
17)	~~#Methoxychlor~~	32.49	3899	189817	4.89	ng/ml	100
18)	~~#Endrin ketone~~	32.69	3923	52503	.583	ng/ml	100
20)	~~#alpha-Chlordane~~	21.45	2574	2128341	15.50	ng/ml	100
21)	~~#gamma-Chlordane~~	20.84	2501	3132985	26.59	ng/ml	100
22)	~~#Toxaphene(1)~~ NP	23.86	2863	1144416	713.60	ng/ml	100
23)	~~#Aroclor-1016(1)~~ NP	12.12	1455	135027	45.93	ng/ml	100
25)	~~#Aroclor-1232(1)~~ NP	12.12	1455	135027	47.13	ng/ml	100
26)	~~#Aroclor-1242(1)~~ NP	12.12	1455	135027	51.77	ng/ml	100
27)	~~#Aroclor-1248(1)~~ NP	16.02	1922	252326	33.34	ng/ml	100
28)	#Aroclor-1254(1)	20.84	2501	3132985	660.77	ng/ml	100
29)	~~#Aroclor-1260(1)~~ NP	24.40	2928	2577491	332.49	ng/ml	100
30)	~~#Endrin aldehyde~~ NT	27.71	3325	551172	6.99	ng/ml	100
31)	~~#Toxaphene(2)~~ NP	27.71	3325	570744	310.16	ng/ml	100
32)	~~#Toxaphene(3)~~ NP	28.25	3390	43347	17.34	ng/ml	100
34)	~~#Aroclor-1016(2)~~ NP	14.32	1718	94492	14.45	ng/ml	100
35)	~~#Aroclor-1016(3)~~ NP	16.02	1922	252326	22.84	ng/ml	100
36)	~~#Aroclor-1016(4)~~ NP	16.78	2014	49758	13.32	ng/ml	100
37)	~~#Aroclor-1016(5)~~ NP	19.02	2282	1223030	359.96	ng/ml	100
38)	~~#Aroclor-1221(2)~~ NP	11.32	1358	97299	57.91	ng/ml	100
39)	~~#Aroclor-1221(3)~~ NP	12.12	1455	135027	35.38	ng/ml	100
40)	~~#Aroclor-1232(2)~~ NP	14.32	1718	94492	33.48	ng/ml	100
41)	~~#Aroclor-1232(3)~~ NP	16.02	1922	252326	53.63	ng/ml	100
42)	~~#Aroclor-1232(4)~~ NP	16.78	2014	49758	28.90	ng/ml	100
43)	~~#Aroclor-1242(2)~~ NP	14.32	1718	94492	17.56	ng/ml	100
44)	~~#Aroclor-1242(3)~~ NP	16.02	1922	252326	28.31	ng/ml	100
45)	~~#Aroclor-1242(4)~~ NP	16.78	2014	49758	15.73	ng/ml	100

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7/10/96

Operator ID: TRFIL Quant Rev: 7 Quant Time: 960710 04:52
Output File: ^03232::F3 Injected at: 960710 03:58
Data File: >03232::G3 Dilution Factor: 1.00000
Name: 238550 X5000 Instrument ID: GC03
Misc: DB608, 30M X .53m INST 58903, 1ul INJ

ID File: IDCAP1::SC
Title: Capillary Column DB 608
Last Calibration: 941029 10:07 Last Qcal Time: 960702 00:13

	Compound	R.T.	Scan#	Area	Conc	Units	q
46)	#~~Aroclor-1242(5)~~ NP	19.02	2282	1223030	409.18	ng/ml	100
47)	#~~Aroclor-1248~~(2) NP	17.54	2105	1625491	623.19	ng/ml	100
48)	#~~Aroclor-1248(~~3) NP	19.02	2282	1223030	294.52	ng/ml	100
49)	#~~Aroclor-1248(4)~~ NP	20.48	2457	916189	189.10	ng/ml	100
50)	#~~Aroclor-1248(5)~~ NP	21.73	2608	1445582	262.20	ng/ml	100
51)	#Aroclor-1254(2)	21.14	2537	4301941	776.26	ng/ml	100
52)	#Aroclor-1254(3)	22.71	2725	2059058	1277.01	ng/ml	100
53)	#Aroclor-1254(4)	23.53	2824	5705875	939.84	ng/ml	100
54)	#Aroclor-1254(5)	24.85	2982	3067733	855.57	ng/ml	100
55)	#~~Aroclor-1260(~~2) NP	24.85	2982	3067733	437.97	ng/ml	100
56)	#~~Aroclor-1260~~(3) NP	26.56	3187	2139253	409.80	ng/ml	100
57)	#~~Aroclor-1260(~~4) NP	30.15	3618	1171349	108.41	ng/ml	100
58)	#~~Aroclor-1260(~~5) NP	32.91	3949	753446	136.47	ng/ml	100

Compound uses ESTD

EBrai
7/10/96

QUANT REPORT

Operator ID: TRFIL Quant Rev: 7 Quant Time: 960710 04:50
Output File: ^04232::F3 Injected at: 960710 03:58
Data File: >04232::G1 Dilution Factor: 1.00000
Name: 238550 X5000 Instrument ID: GC04
Misc: DB1701, 30M X .53m INST 58903, 1ul INJ

ID File: IDCAP2::SC
Title: Capillary Column DB1701
Last Calibration: 941029 10:07 Last Qcal Time: 960701 21:23

	Compound	R.T.	Scan#	Area	Conc	Units	q
2)	~~#alpha BHC~~	13.50	1620	13127	.401	ng/ml	100
3)	~~#beta BHC~~	18.56	2227	596916	22.72	ng/ml	100
4)	~~#delta BHC~~	19.68	2362	61409	2.52	ng/ml	100
6)	~~#Heptachlor~~	16.40	1968	40260	.849	ng/ml	100
7)	~~#Aldrin~~	17.45	2094	1254083	33.30	ng/ml	100
9)	~~#Endosulfan~~ I	21.73	2608	7566	.212	ng/ml	100
10)	~~#Dieldrin~~	23.38	2805	282549	8.70	ng/ml	100
11)	~~#4,4'-DDE~~	22.73	2727	628168	22.63	ng/ml	100
12)	~~#Endrin~~	24.26	2911	2017675	69.60	ng/ml	100
13)	~~#Endosulfan~~ II	26.60	3192	2650176	74.05	ng/ml	100
14)	~~#4,4' DDD~~	26.60	3192	2627270	124.33	ng/ml	100
17)	~~#Methoxychlor~~	30.88	3705	44245	3.29	ng/ml	100
19)	#Decachlorobiphenyl	38.70	4644	6985	.150	ng/ml	100
20)	~~#alpha Chlordane~~ NT	22.22	2666	864708	20.73	ng/ml	100
21)	~~#gamma Chlordane~~ NT	21.98	2637	134069	3.35	ng/ml	100
23)	~~#Aroclor-1016(1)~~ NP	11.95	1434	123459	99.97	ng/ml	100
24)	~~#Aroclor-1221(1)~~ NP	7.43	892	663445	838.92	ng/ml	100
25)	~~#Aroclor-1232(1)~~ NP	7.43	892	663445	557.15	ng/ml	100
26)	~~#Aroclor-1242(1)~~ NP	11.95	1434	123459	116.69	ng/ml	100
27)	~~#Aroclor-1248(1)~~ NP	13.85	1662	42698	38.76	ng/ml	100
28)	#Aroclor-1254(1)	17.45	2094	1254083	789.41	ng/ml	100
29)	~~#Aroclor-1260(1)~~ NP	23.77	2852	1386087	599.95	ng/ml	100
30)	~~#Endrin aldehyde~~ NT	28.94	3472	93494	3.08	ng/ml	100
31)	~~#Toxaphene(2)~~ NP	28.43	3411	829907	1151.47	ng/ml	100
34)	~~#Aroclor-1016(2)~~ NP	13.85	1662	42698	17.47	ng/ml	100
35)	~~#Aroclor-1016(3)~~ NP	15.97	1917	71527	18.44	ng/ml	100
36)	~~#Aroclor-1016(4)~~ NP	16.53	1984	26041	17.88	ng/ml	100
37)	~~#Aroclor-1016(5)~~ NP	18.56	2227	596916	289.67	ng/ml	100
38)	~~#Aroclor-1221(2)~~ NP	10.97	1316	5016	7.65	ng/ml	100
39)	~~#Aroclor-1221(3)~~ NP	11.95	1434	123459	71.98	ng/ml	100
40)	~~#Aroclor-1232(2)~~ NP	11.95	1434	123459	105.39	ng/ml	100
41)	~~#Aroclor-1232(3)~~ NP	13.85	1662	42698	41.47	ng/ml	100
42)	~~#Aroclor-1232(4)~~ NP	15.97	1917	71527	45.79	ng/ml	100
43)	~~#Aroclor-1242(2)~~ NP	13.85	1662	42698	21.50	ng/ml	100
44)	~~#Aroclor-1242(3)~~ NP	15.97	1917	71527	23.20	ng/ml	100
45)	~~#Aroclor-1242(4)~~ NP	16.53	1984	26041	22.78	ng/ml	100
46)	~~#Aroclor-1242(5)~~ NP	17.45	2094	1254083	1584.96	ng/ml	100
47)	~~#Aroclor-1248(2)~~ NP	15.97	1917	71527	27.38	ng/ml	100
48)	~~#Aroclor-1248(3)~~ NP	18.56	2227	596916	242.29	ng/ml	100
49)	~~#Aroclor-1248(4)~~ NP	18.98	2277	274358	155.41	ng/ml	100

EBrai
7/10/96

QUANT REPORT

Operator ID: TRFIL Quant Rev: 7 Quant Time: 960710 04:50
Output File: ^04232::F3 Injected at: 960710 03:58
Data File: >04232::G1 Dilution Factor: 1.00000
Name: 238550 X5000 Instrument ID: GC04
Misc: DB1701, 30M X .53m INST 58903, 1ul INJ

ID File: IDCAP2::SC
Title: Capillary Column DB1701
Last Calibration: 941029 10:07 Last Qcal Time: 960701 21:23

	Compound	R.T.	Scan#	Area	Conc	Units	q
50)	~~#Aroclor-1248(5)~~ NP	20.30	2436	1858333	1936.17	ng/ml	100
51)	#Aroclor-1254(2)	20.30	2436	1858333	914.01	ng/ml	100
52)	#Aroclor-1254(3)	21.12	2534	1380726	752.85	ng/ml	100
53)	#Aroclor-1254(4)	23.08	2769	2619534	1027.39	ng/ml	100
54)	#Aroclor-1254(5)	23.77	2852	1386087	1021.99	ng/ml	100
55)	~~#Aroclor-1260(2)~~ NP	24.88	2985	1808933	666.25	ng/ml	100
56)	~~#Aroclor-1260(3)~~ NP	28.43	3411	842592	474.74	ng/ml	100
57)	~~#Aroclor-1260(4)~~ NP	30.03	3603	435808	110.85	ng/ml	100
58)	~~#Aroclor-1260(5)~~ NP	32.02	3842	354090	142.58	ng/ml	100

Compound uses ESTD

EPrui
7/10/96

QUANT REPORT

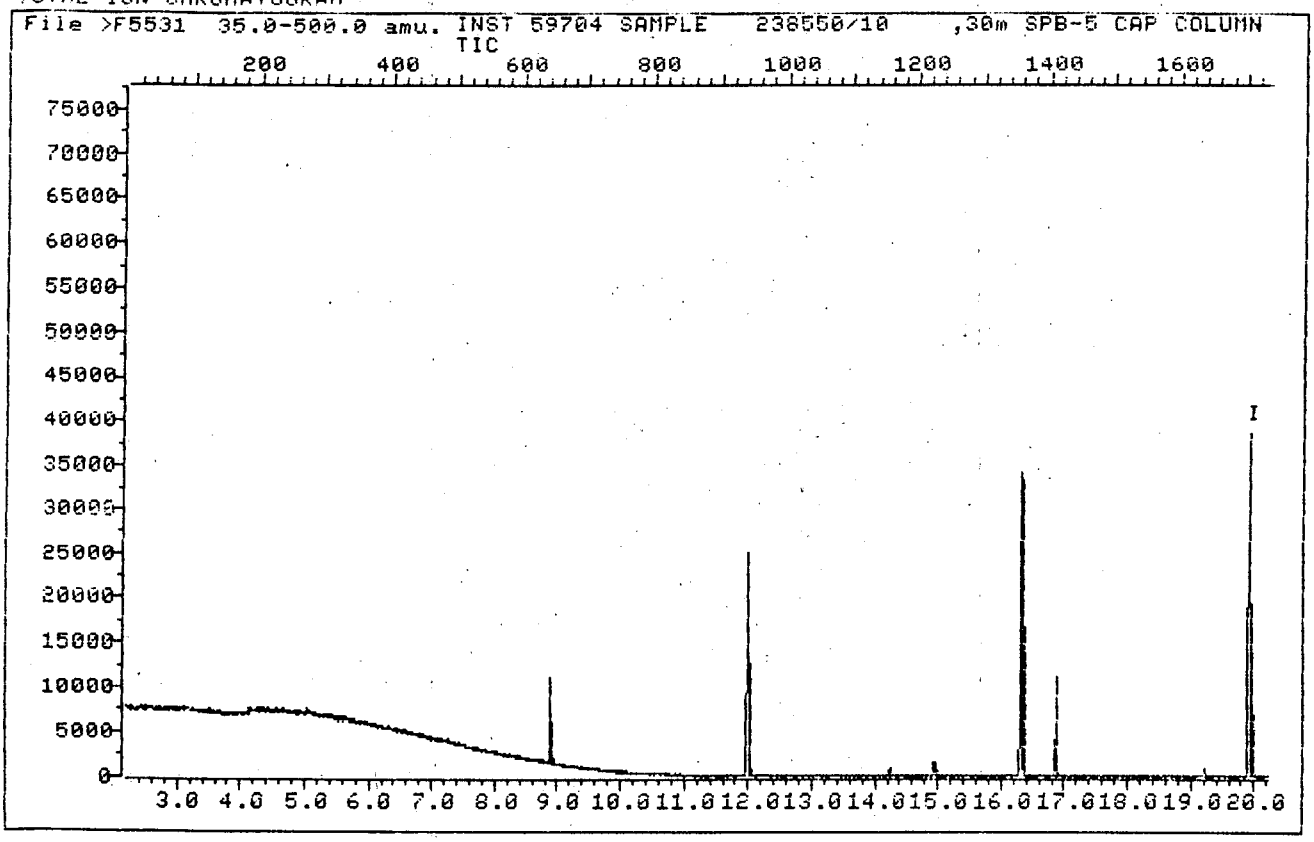
Operator ID: GT0101 Quant Rev: 7 Quant Time: 960709 17:23
Output File: ^F5531::QT Injected at: 960709 16:44
Data File: >F5531::F1 Dilution Factor: 1.00000
Name: INST 59704 SAMPLE Instrument ID: INST F
Misc: 238550/10 ,30m SPB-5 CAP COLUMN BTL# 9

ID File: IDPEST::SC
Title: CLP PESTICIDE CONFIRMATION FILE
Last Calibration: : Last Qcal Time: 960705 12:13

	Compound	R.T.	Q ion	Area	Conc	Units	q
1)	*Phenanthrene-d10	19.90	188.0	27310	40.00	UG/ML	100

* Compound is ISTD

TOTAL ION CHROMATOGRAM



Data File: >F5531::F1 Quant Output File: ^F5531::QT
Name: INST 59704 SAMPLE Instrument ID: INST F
Misc: 238550/10 ,30m SPB-5 CAP COLUMN BTL# 9

Id File: IDPEST::SC
Title: CLP PESTICIDE CONFIRMATION FILE
Last Calibration: : Last Qcal Time: 960705 12:13

Operator ID: GT0101
Quant Time : 960709 17:23
Injected at: 960709 16:44

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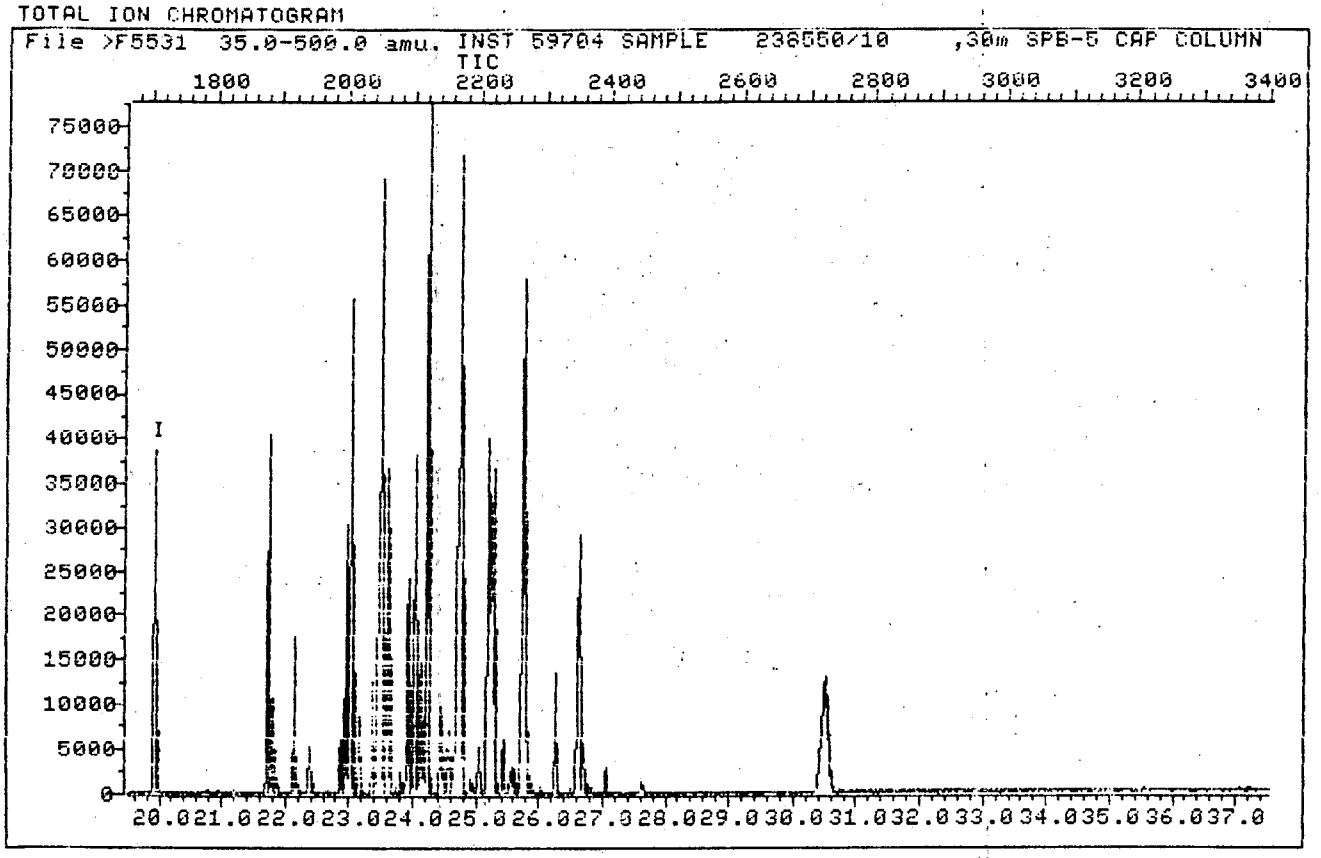
TOTAL ION CHROMATOGRAM



Data File: >F5531::F1 Quant Output File: ^F5531::QT
Name: INST 59704 SAMPLE Instrument ID: INST F
Misc: 238550/10 ,30m SPB-5 CAP COLUMN BTL# 9

Id File: IDPEST::SC
Title: CLP PESTICIDE CONFIRMATION FILE
Last Calibration: : Last Qcal Time: 960705 12:13

Operator ID: GT0101
Quant Time : 960709 17:23
Injected at: 960709 16:44

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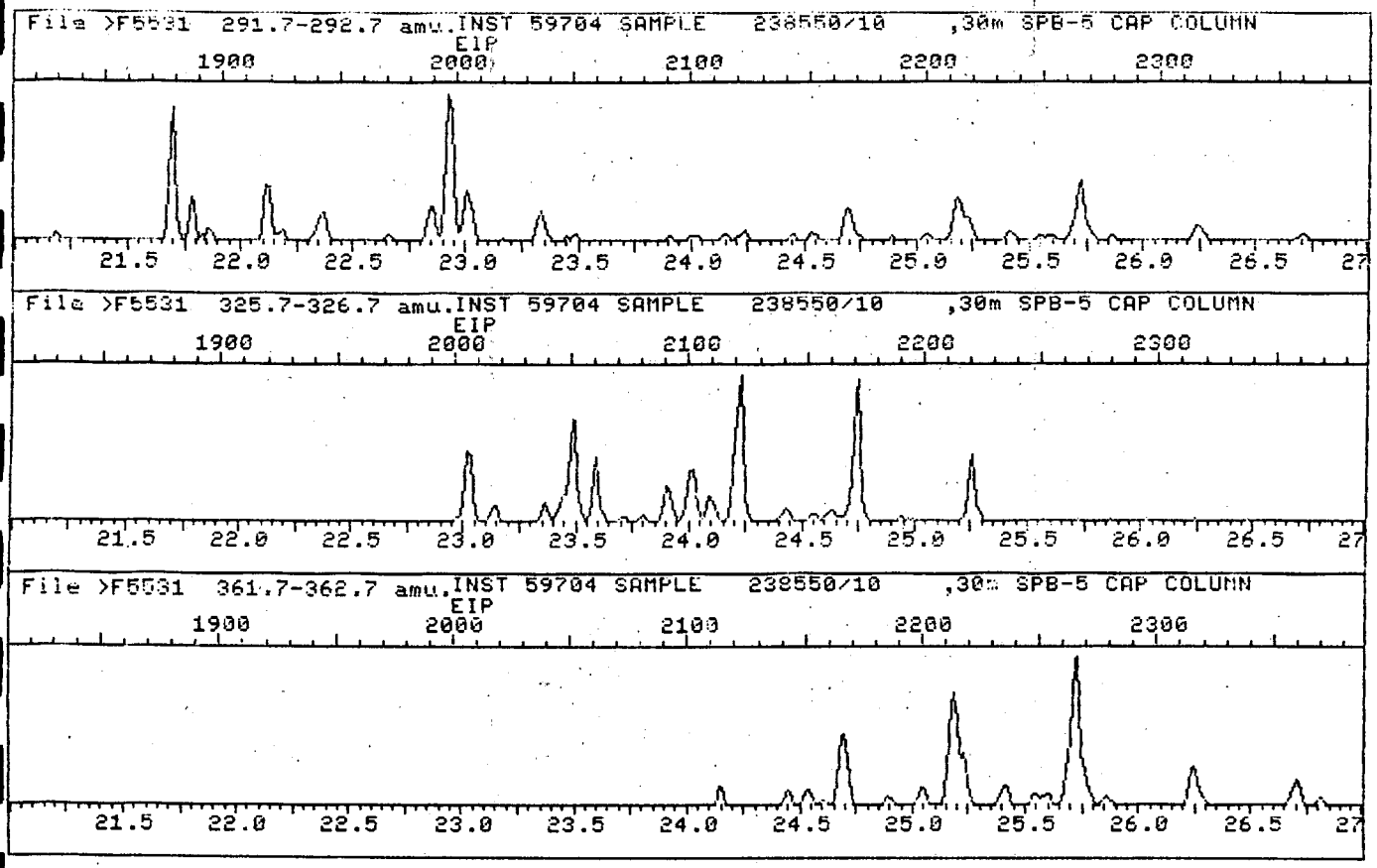


MS data file header from : >F5531::F1

Sample: INST 59704 SAMPLE Operator: GT0101 SUPER GRP. 7/09/96 16:44
Misc : 238550/10 ,30m SPB-5 CAP COLUMN BTL# 9
Sys. #: 1 MS model: 70 SW/HW rev.: LF ALS # : 9 Equip ID: INST F
Method file: BNP4 Tuning file: MTA004 No. of extra records: 2
Source temp.: N/A Analyzer temp.: N/A Transfer line temp. : 0

Chromatographic temperatures :	40.	280.	300.	0.	0.
Chromatographic times, min. :	4.0	1.0	20.0	0.0	0.0
Chromatographic rate, deg/min:	10.0	10.0	0.0	0.0	0.0

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S1

Lab Name: ICM Contract:

Lab Code: ICM Case No.: SAS No.: SDG No.: RIN1A

Matrix: (soil/water) SOIL Lab Sample ID: 238535

Sample wt/vol: 30.5 (g/mL) G Lab File ID: 03251

% Moisture: 1. decanted: (Y/N) N Date Received: 06/28/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 07/03/96

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 07/11/96

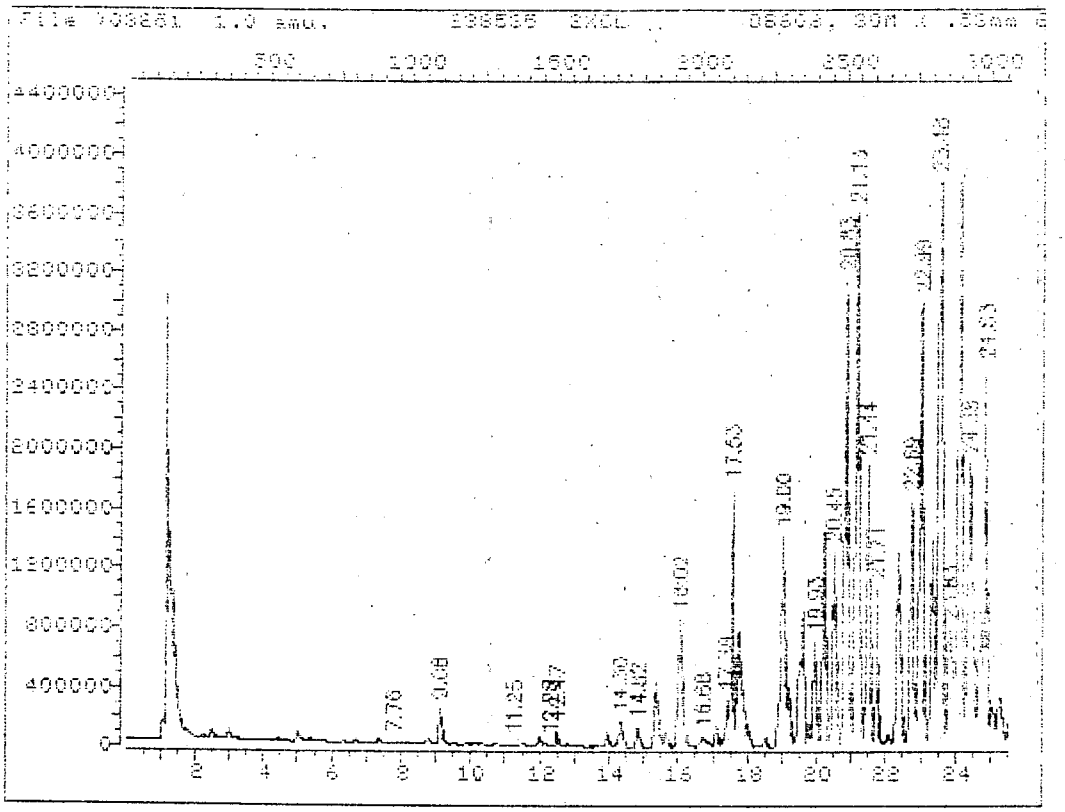
Injection Volume: 1.0 (uL) Dilution Factor: 2.0

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

Use these data.

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
319-84-6	alpha-BHC	3.4	U
319-85-7	beta-BHC	3.4	U
319-86-8	delta-BHC	3.4	U
58-89-9	gamma-BHC (Lindane)	3.4	U
76-44-8	Heptachlor	3.4	U
309-00-2	Aldrin	3.4	U
1024-57-3	Heptachlor epoxide	3.4	U
959-98-8	Endosulfan I	3.4	U
60-57-1	Dieldrin	6.6	U
72-55-9	4,4'-DDE	6.6	U
72-20-8	Endrin	6.6	U
33213-65-9	Endosulfan II	6.6	U
72-54-8	4,4'-DDD	6.6	U
1031-07-8	Endosulfan Sulfate	6.6	U
50-29-3	4,4'-DDT	6.6	U
72-43-5	Methoxychlor	34.	U
53494-70-5	Endrin ketone	6.6	U
7421-93-4	Endrin aldehyde	6.6	U
5103-71-9	alpha-Chlordane	3.4	U
5103-74-2	gamma-Chlordane	3.4	U
8001-35-2	Toxaphene	340.	U
12674-11-2	Aroclor-1016	66.	U
11104-28-2	Aroclor-1221	130.	U
11141-16-5	Aroclor-1232	66.	U
53469-21-9	Aroclor-1242	66.	U
12672-29-6	Aroclor-1248	66.	U
11097-69-1	Aroclor-1254	6200 ~~3500.~~	D*
11096-82-5	Aroclor-1260	66.	U

D* value transferred from diluted analysis S1 DL 20 x DIF.



Data File: >03251::F3 Quant Output File: ^03251::GQ
Name: 238535 2XDL Instrument ID: GC03
Misc: DB608, 30M X .53mm GCF8903 1ul inj.

Id File: IDCAP1::SC
Title: Capillary Column DB 608
Last Calibration: 941027 10:07 Last Qcal Time: 960702 00:13

Operator ID: TRFI2
Quant Time : 960712 13:13
Injected at: 960711 00:07

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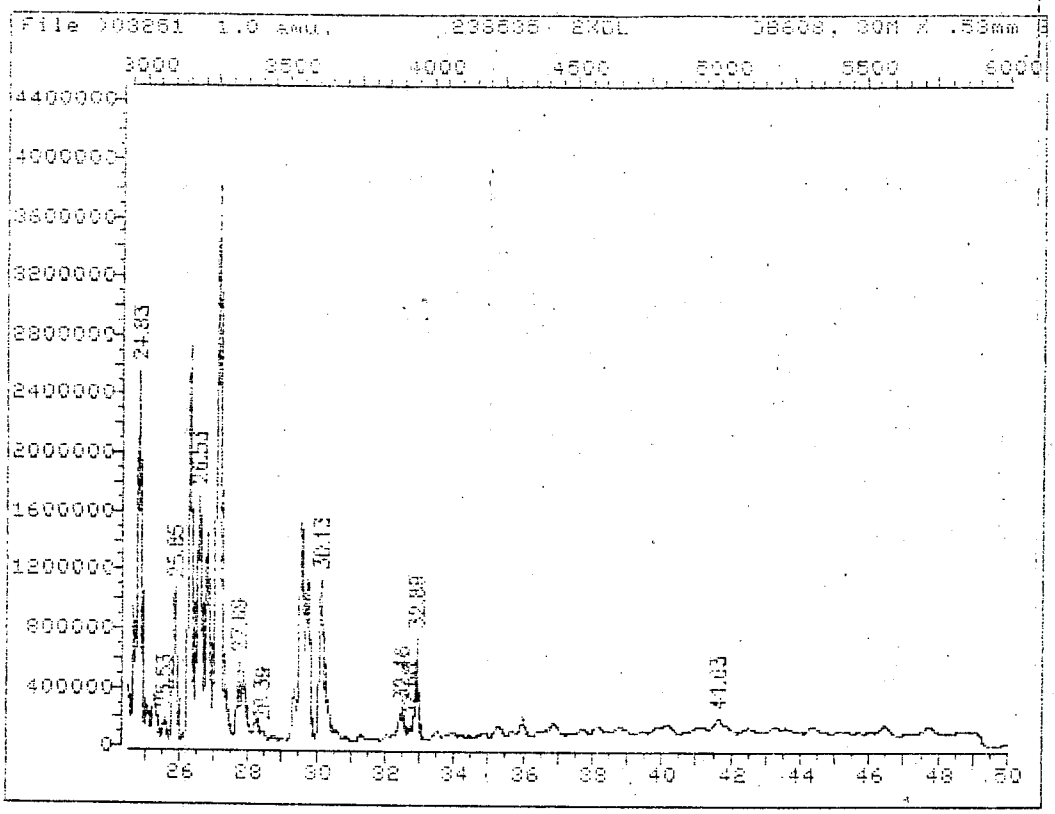

Data File: >03251::F3 Quant Output File: ^03251::GQ
Name: 238535 2XDL Instrument ID: GC03
Misc: DB608. 30M X .53mm SC58903 1ul inj.

Id File: IDCAP1::SC
Title: Capillary Column DB 608
Last Calibration: 941029 10:07 Last Qual Time: 960702 00:13

Operator ID: TRFI2
Quant Time : 960712 13:13
Injected at: 960711 00:07

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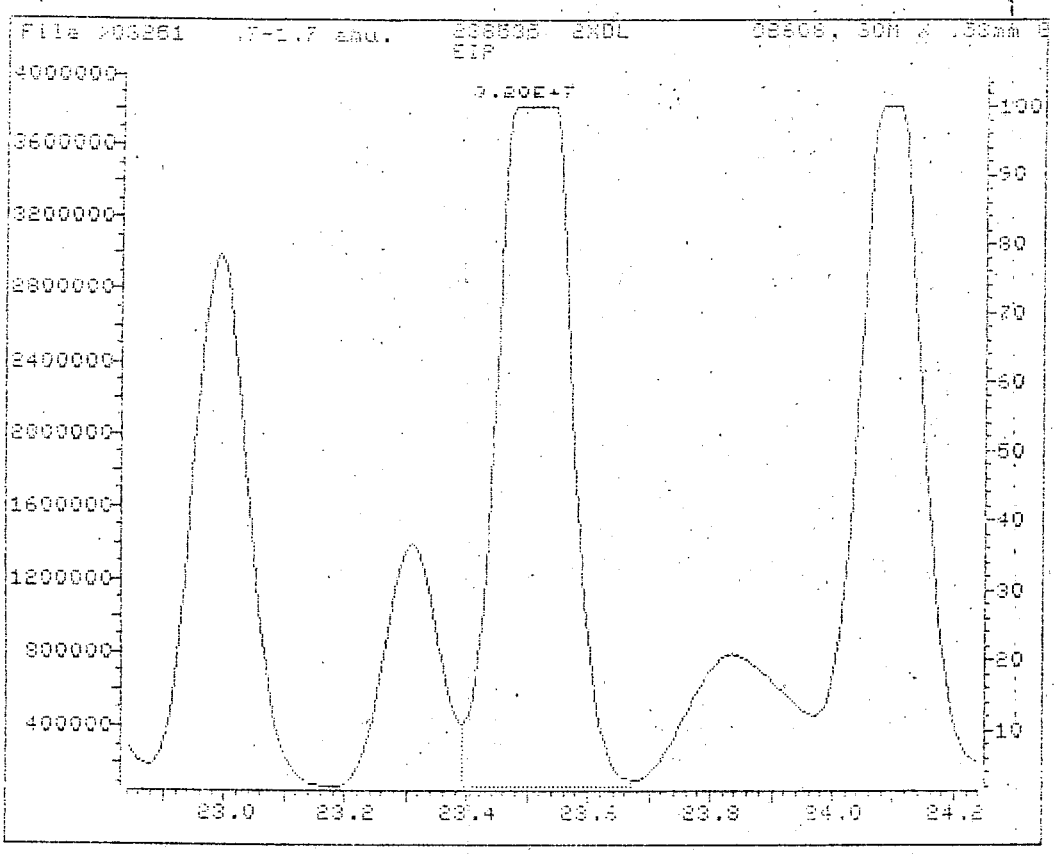
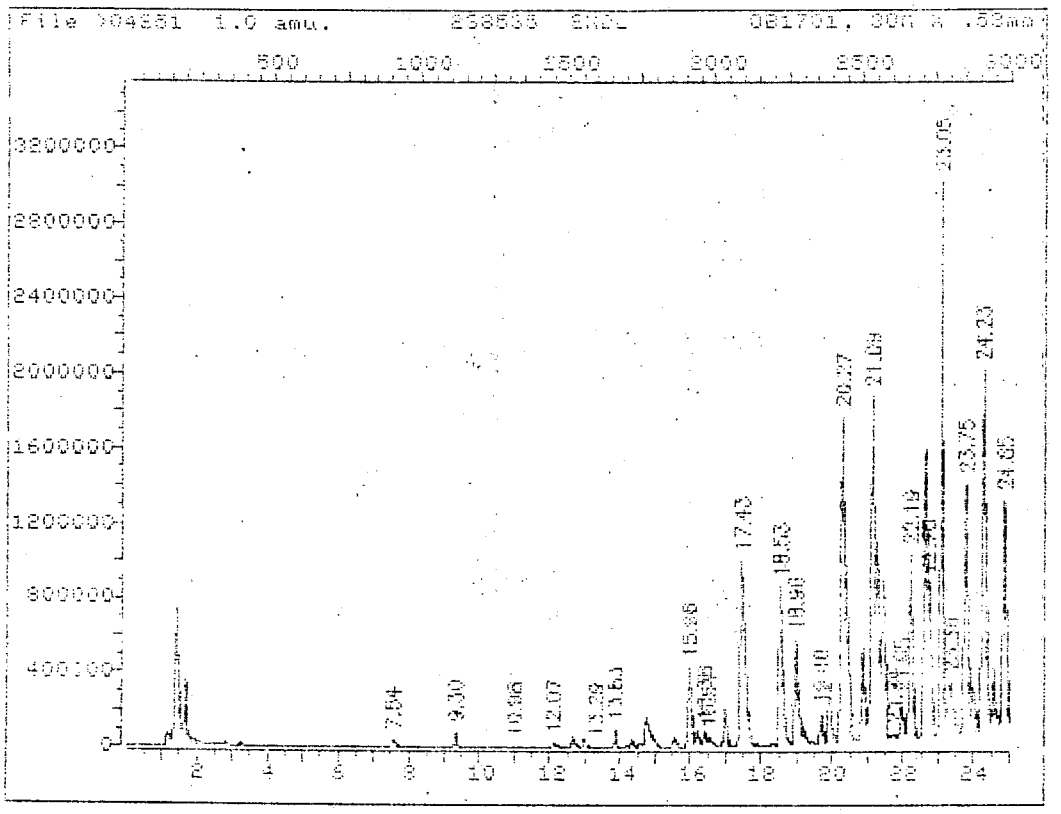


Data File: >03251::F3 Quant Output File: ^03251::GQ
Name: 238535 2XDL Instrument ID: GC03
Misc: DB608, 30M X .53mm SC58903 1ul inj.
Quant Time: 960712 13:13 Quant ID File: IDCAP1::SC
Injected at: 960711 00:07 Last Calibration: 941029 10:07

Compound No: 53
Compound Name: Aroclor-1254(4)
Scan Number: 2818
Retention Time: 23.48 min.
Quant Ion: 1.0
Area: 31963084M
Concentration: 5264.30 ng/ml
q-value: 100

This report was produced by QARES on: 960715 15:59



Data File: >04251::G1 Quant Output File: ^04251::GQ
Name: 238535 2XDL Instrument ID: GC04
Misc: DB1701, 30M X .53mm GC58907 1ul inj.

Id File: IDCAP2::SC
Title: Capillary Column DB1701
Last Calibration: 941029 10:07 Last Cal Time: 960701 21:23

Operator ID: TRFI2
Quant Time: 960712 13:29
Injected at: 960711 00:07

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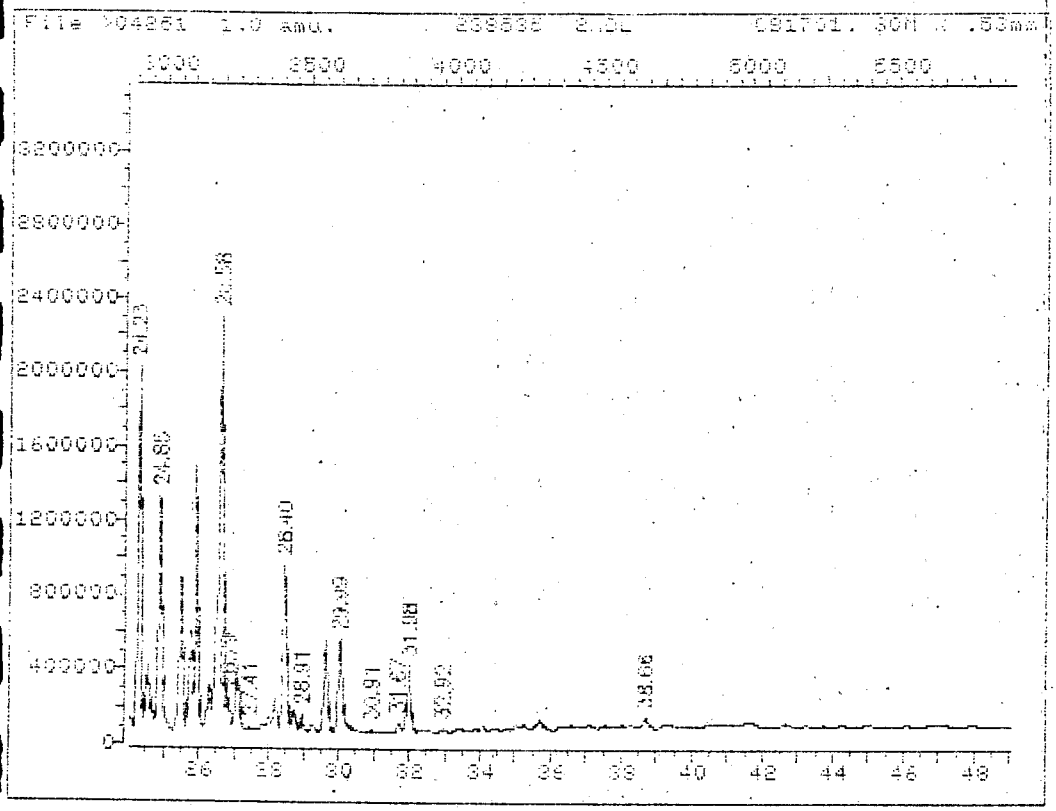

Data File: >04251::G1 Quant Output File: ^04251::GQ
Name: 238535 2XDL Instrument ID: GC04
Misc: DB1701, 30M X .53mm GC5S903 1ul inj.

Id File: IDCAP2::SC
Title: Capillary Column DB17C1
Last Calibration: 941029 10:07 Last Qual Time: 960701 21:23

Operator ID: TRFI2
Quant Time : 960712 13:29
Injected at: 960711 00:07

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QUANT REPORT

Operator ID: TRFIZ Quant Rev: 7 Quant Time: 960712 13:13
Output File: >03251::GO Injected at: 960711 00:07
Data File: >03251::F3 Dilution Factor: 1.00000
Name: 238535 2XDL Instrument ID: GC05
Misc: DB608, 30M X .53mm GC58903 1ul inj.

ID File: IDCAP1::SC
Title: Capillary Column CB 608
Last Calibration: 941029 10:07 Last Qual Time: 960702 00:13

Compound	R.T.	Scan#	Area	Conc	Units	q
1) #Tetrachloro-m-xylene	9.08	1090	1408710	11.26	ng/ml	100
~~2) #alpha-BHC~~ NT	12.47	1496	655722	4.43	ng/ml	100
~~3) #beta-BHC~~	14.82	1779	935159	11.39	ng/ml	100
~~4) #delta-BHC~~	16.68	2002	465231	3.85	ng/ml	100
~~5) #gamma-BHC (Lindane)~~	14.30	1716	1559148	11.41	ng/ml	100
~~6) #Heptachlor~~	16.02	1923	7381362	94.60	ng/ml	100
~~7) #Aldrin~~	17.38	2085	1774648	13.17	ng/ml	100
~~8) #Heptachlor epoxide~~	19.93	2392	3883580	35.36	ng/ml	100
~~9) #Endosulfan I~~	21.71	2605	6253146	51.16	ng/ml	100
10) #Dieldrin	22.99	2759	18686792	197.64	ng/ml	100
~~11) #4,4'-DDE~~	22.69	2723	12818566	140.13	ng/ml	100
~~12) #Endrin~~	24.83	2979	16555068	193.42	ng/ml	100
~~13) #Endosulfan II~~	25.85	3102	7200902	74.77	ng/ml	100
~~14) #4,4'-DDD~~	25.53	3063	992944	17.24	ng/ml	100
~~15) #Endosulfan Sulfate~~	28.39	3407	377559	4.26	ng/ml	100
~~17) #Methoxychlor~~	32.46	3895	2242884	57.77	ng/ml	100
~~18) #Endrin ketone~~	32.68	3921	526375	5.85	ng/ml	100
19) #Decachlorobiphenyl	41.63	4995	1997293	16.69	ng/ml	100
~~20) #alpha-Chlordane~~ NT	21.44	2573	11281400	82.15	ng/ml	100
~~21) #gamma-Chlordane~~ NT	20.83	2499	20309564	172.35	ng/ml	100
~~22) #Toxaphene(1)~~ NT	23.83	2860	7608549	4744.29	ng/ml	100
~~23) #Aroclor-1016(1)~~ NP	12.28	1474	69338	23.59	ng/ml	100
~~24) #Aroclor-1221(1)~~ NP	7.76	931	76915	90.70	ng/ml	100
~~25) #Aroclor-1232(1)~~ NP	12.28	1474	69338	24.20	ng/ml	100
~~26) #Aroclor-1242(1)~~ NP	12.28	1474	69338	26.58	ng/ml	100
~~27) #Aroclor-1248(1)~~ NP	16.02	1923	7381362	975.44	ng/ml	100
~~28) #Aroclor-1254(1)~~ NP	20.83	2499	20309564	4283.41	ng/ml	100
~~29) #Aroclor-1260(1)~~ NP	24.38	2925	13657604	1761.81	ng/ml	100
~~30) #Endrin aldehyde~~ NT	27.69	3322	4117140	52.20	ng/ml	100
~~31) #Toxaphene(2)~~ NT	27.69	3322	4117140	2237.40	ng/ml	100
~~32) #Toxaphene(3)~~ NT	28.39	3407	377559	151.05	ng/ml	100
~~33) #Aroclor-1016(2)~~ NP	14.30	1716	1559148	238.51	ng/ml	100
~~34) #Aroclor-1016(3)~~ NP	16.02	1923	7381362	668.25	ng/ml	100
~~35) #Aroclor-1016(4)~~ NP	16.68	2002	465231	124.57	ng/ml	100
~~36) #Aroclor-1016(5)~~ NP	19.00	2280	10762394	3167.59	ng/ml	100
~~37) #Aroclor-1221(2)~~ NP	11.25	1350	31583	18.80	ng/ml	100
~~38) #Aroclor-1221(3)~~ NP	12.28	1474	69338	18.17	ng/ml	100
~~39) #Aroclor-1232(2)~~ NP	14.30	1716	1559148	552.49	ng/ml	100
~~40) #Aroclor-1232(3)~~ NP	16.02	1923	7381362	1568.96	ng/ml	100
~~41) #Aroclor-1232(4)~~ NP	16.68	2002	465231	270.21	ng/ml	100

NT

MMo 7/24/96

QUANT REPORT

Operator ID: TRFI2 Quant Rev: 7 Quant Time: 960712 13:13
Output File: ^03251::GD Injected at: 960711 00:07
Data File: >05251::F3 Dilution Factor: 1.00000
Name: 238535 2XDL Instrument ID: GC03
Misc: DB608. 30M X .53mm GC58903 1ul inj

ID File: IDCAP1::SC
Title: Capillary Column DB 608
Last Calibration: 941029 10:07 Last Qcal Time: 960702 00:13

	Compound	R.T.	Scan#	Area	Conc	Units	q
43)	~~#Aroclor-1242(2)~~ NP	14.30	1716	1559148	289.68	ng/ml	100
44)	~~#Aroclor-1242(3)~~ NP	16.02	1923	7381362	828.13	ng/ml	100
45)	~~#Aroclor-1242(4)~~ ND	16.68	2002	465231	147.09	ng/ml	100
46)	~~#Aroclor-1242(5)~~ ND	19.00	2280	10762394	3600.72	ng/ml	100
47)	~~#Aroclor-1248(2)~~ NP	17.53	2103	9396914	3602.64	ng/ml	100
48)	~~#Aroclor-1248(3)~~ ND	19.00	2280	10762394	2591.70	ng/ml	100
49)	~~#Aroclor-1248(4)~~ NP	20.45	2454	8300370	1713.17	ng/ml	100
50)	~~#Aroclor-1248(5)~~ ND	21.71	2605	6233146	1130.57	ng/ml	100
51)	#Aroclor-1254(2)	21.13	2535	24703760	4457.66	ng/ml	100
52)	#Aroclor-1254(3)	22.69	2723	12818566	7949.99	ng/ml	100
53)	#Aroclor-1254(4)	23.48	2818	31965084M	5264.80	ng/ml	100
54)	#Aroclor-1254(5)	24.83	2979	16278206	4539.86	ng/ml	100
55)	~~#Aroclor-1260(2)~~ NP	24.83	2979	16278206	2324.00	ng/ml	100
56)	~~#Aroclor-1260(3)~~ NP	26.53	3183	12858952	2463.28	ng/ml	100
57)	~~#Aroclor-1260(4)~~ NP	30.13	3615	8932616	826.74	ng/ml	100
58)	~~#Aroclor-1260(5)~~ NP	32.89	3946	5668389	1026.70	ng/ml	100

Compound uses ESTD

7/24/96

QUANT REPORT

Operator ID: TRFI2 Quant Rev: 7 Quant Time: 960712 13:29
Output File: 104251::G0 Injected at: 960711 00:07
Data File: >04251::G1 Dilution Factor: 1.00000
Name: 236FFF 2XDL Instrument ID: GC04
Misc: DB1701, 30M X .53mm GC58903 1ul inj.

D File: IGCAP2::SC
Title: Capillary Column DB1701
Last Calibration: 941029 10:07 Last Scal Time: 960701 21:23

	Compound	R.T	Scan#	Area	Conc	Units	q
1)	#Tetrachloro-m-xylene	9.30	1116	446807	10.79	ng/ml	100
2)	~~#alpha-BHC~~	13.29	1595	23472	.716	ng/ml	100
3)	~~#beta-BHC~~	18.53	2224	5875657	223.62	ng/ml	100
4)	~~#delta-BHC~~	19.66	2359	942214	38.66	ng/ml	100
5)	~~#Heptachlor~~	16.38	1966	535959	11.30	ng/ml	100
7)	~~#Aldrin~~	17.43	2092	9314266	247.32	ng/ml	100
9)	~~#Endosulfan I~~	21.74	2609	118386	3.52	ng/ml	100
10)	~~#Dieldrin~~	23.36	2803	1866175	57.47	ng/ml	100
11)	~~#4,4'-DDE~~	22.70	2724	4091642	147.39	ng/ml	100
12)	~~#Endrin~~	24.23	2907	13540914	467.08	ng/ml	100
13)	~~#Endosulfan II~~	26.79	3214	843647	23.57	ng/ml	100
14)	~~#4,4'-DDD~~	26.58	3189	14969436	708.41	ng/ml	100
16)	~~#4,4'-DDT~~	27.41	3289	60617	3.68	ng/ml	100
17)	~~#Methoxychlor~~	30.91	3709	86260	6.41	ng/ml	100
18)	~~#Endrin ketone~~	32.92	3950	158128	5.62	ng/ml	100
19)	#Decachlorobiphenyl	38.66	4639	597729	12.80	ng/ml	100
20)	~~#alpha-Chlordane~~ NP	22.19	2663	6247040	149.79	ng/ml	100
21)	~~#gamma-Chlordane~~ NP	21.95	2634	1062967	26.60	ng/ml	100
23)	~~#Aroclor-1016(1)~~ NP	12.07	1449	118696	96.11	ng/ml	100
24)	~~#Aroclor-1221(1)~~ NP	7.54	905	223659	232.82	ng/ml	100
25)	~~#Aroclor-1232(1)~~ NP	7.54	905	223659	187.82	ng/ml	100
26)	~~#Aroclor-1242(1)~~ NP	12.07	1449	118696	112.19	ng/ml	100
27)	~~#Aroclor-1248(1)~~ NP	13.83	1660	533427	484.28	ng/ml	100
28)	#Aroclor-1254(1)	17.43	2092	9307324	5858.68	ng/ml	100
29)	~~#Aroclor-1260(1)~~ NP	23.75	2850	9286054	4019.36	ng/ml	100
30)	~~#Endrin aldehyde~~ NP	28.91	3469	664538	21.87	ng/ml	100
31)	~~#Toxaphene(2)~~ NP	28.40	3408	6222279	8633.18	ng/ml	100
33)	~~#Toxaphene(4)~~ NP	31.67	3800	378806	754.90	ng/ml	100
34)	~~#Aroclor-1016(2)~~	13.83	1660	533427	218.19	ng/ml	100
35)	~~#Aroclor-1016(3)~~	15.96	1915	2628188	677.52	ng/ml	100
36)	~~#Aroclor-1016(4)~~ NP	16.51	1981	340488	233.80	ng/ml	100
37)	~~#Aroclor-1016(5)~~	18.53	2224	5875657	2851.32	ng/ml	100
38)	~~#Aroclor-1221(2)~~ NP	10.98	1318	22720	34.64	ng/ml	100
39)	~~#Aroclor-1221(3)~~ NP	12.07	1449	118696	69.20	ng/ml	100
40)	~~#Aroclor-1232(2)~~	12.07	1449	118696	101.32	ng/ml	100
41)	~~#Aroclor-1232(3)~~ NP	13.83	1660	533427	518.04	ng/ml	100
42)	~~#Aroclor-1232(4)~~	15.96	1915	2628188	1682.42	ng/ml	100
43)	~~#Aroclor-1242(2)~~	13.83	1660	533427	268.55	ng/ml	100
44)	~~#Aroclor-1242(3)~~ NP	15.96	1915	2628188	852.43	ng/ml	100
45)	~~#Aroclor-1242(4)~~	16.51	1981	340488	297.59	ng/ml	100

EPrai
7/13/96

QUANT REPORT

Operator ID: TRFI2 Quant Rev: 7 Quant Time: 960712 13:29
Output File: ^04251::GQ Injected at: 960711 00:07
Data File: >04251::G1 Dilution Factor: 1.00000
Name: 238535 2XDL Instrument ID: GC04
Misc: DB1701, 30M, .53mm GC58903 1ul inj.

ID File: IDCAP2::SC
Title: Capillary Column DB1701
Last Calibration: 941029 10:07 Last Qcal Time: 960701 21:23

	Compound	R.T.	Scan#	Area	Conc	Units	q
46)	#~~Aroclor-1242(5)~~ NP	17.43	2092	9307326	11762.96	ng/ml	100
47)	#~~Aroclor-1248(2)~~	15.96	1915	2628188	1006.09	ng/ml	100
48)	#~~Aroclor-1248(3)~~ NP	18.53	2224	5875657	2384.91	ng/ml	100
49)	#~~Aroclor-1248(4)~~	18.96	2275	3972322	2250.15	ng/ml	100
50)	#~~Aroclor-1248(5)~~	20.27	2432	11720070	12210.95	ng/ml	100
51)	#Aroclor-1254(2)	20.27	2432	11720070	5764.46	ng/ml	100
52)	#Aroclor-1254(3)	21.09	2531	11179364	6095.58	ng/ml	100
53)	#Aroclor-1254(4)	23.05	2766	18598532	7294.40	ng/ml	100
54)	#Aroclor-1254(5)	23.75	2850	9286054	6846.81	ng/ml	100
55)	#~~Aroclor-1260(2)~~	24.85	2982	8854444	3261.17	ng/ml	100
56)	#~~Aroclor-1260(3)~~	28.40	3408	6100489	3437.21	ng/ml	100
57)	#~~Aroclor-1260(4)~~ NP	29.99	3599	3946837	1003.88	ng/ml	100
58)	#~~Aroclor-1260(5)~~	31.98	3837	3237411	1303.59	ng/ml	100

Compound uses ESTD

E Prui
7/13/96

1D

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S1	DL

Lab Name: ICM Contract:

Lab Code: ICM Case No.: SAS No.: SDG No.: RIN1A

Matrix: (soil/water) SOIL Lab Sample ID: 238535

Sample wt/vol: 30.5 (g/mL) G Lab File ID: 03243

% Moisture: 1. decanted: (Y/N) N Date Received: 06/28/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 07/03/96

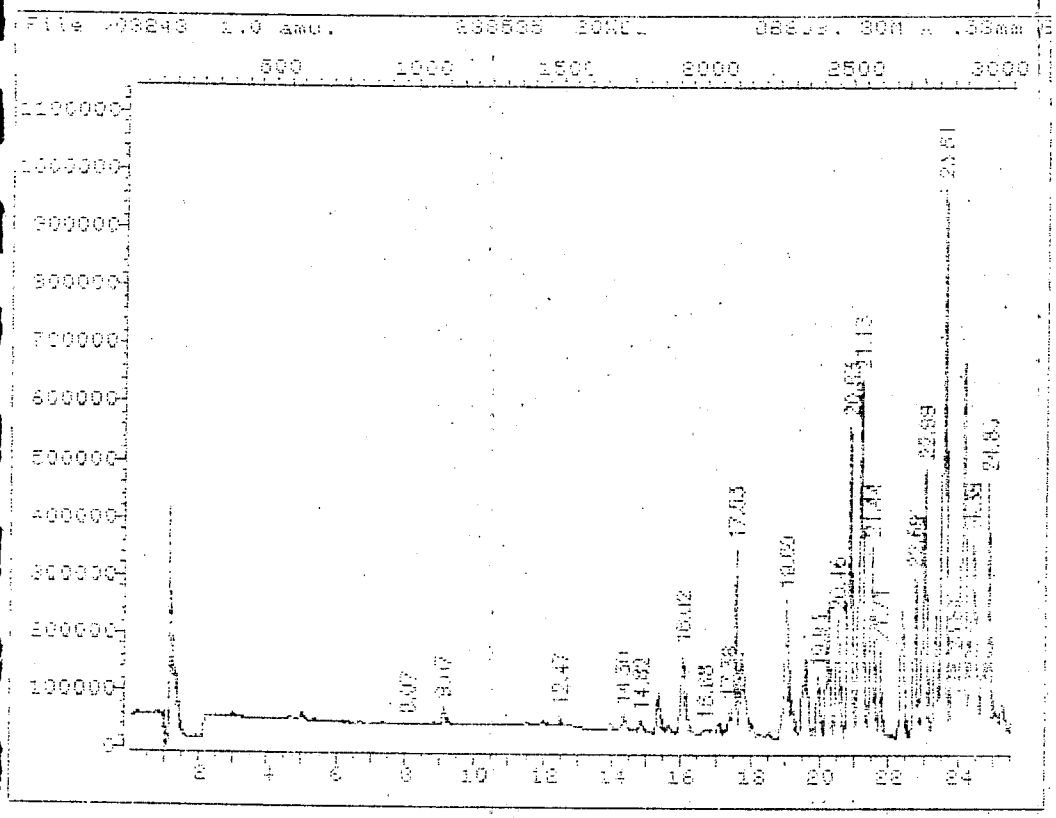
Concentrated Extract Volume: 5000 (uL) Date Analyzed: 07/10/96

Injection Volume: 1.0 (uL) Dilution Factor: 20.0

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

Do not use these data.

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
319-84-6	alpha-BHC	34.	U
319-85-7	beta-BHC	34.	U
319-86-8	delta-BHC	34.	U
58-89-9	gamma-BHC (Lindane)	34.	U
76-44-8	Heptachlor	34.	U
309-00-2	Aldrin	34.	U
1024-57-3	Heptachlor epoxide	34.	U
959-98-8	Endosulfan I	34.	U
60-57-1	Dieldrin	66.	U
72-55-9	4,4'-DDE	66.	U
72-20-8	Endrin	66.	U
33213-65-9	Endosulfan II	66.	U
72-54-8	4,4'-DDD	66.	U
1031-07-8	Endosulfan Sulfate	66.	U
50-29-3	4,4'-DDT	66.	U
72-43-5	Methoxychlor	340.	U
53494-70-5	Endrin ketone	66.	U
7421-93-4	Endrin aldehyde	66.	U
5103-71-9	alpha-Chlordane	34.	U
5103-74-2	gamma-Chlordane	34.	U
8001-35-2	Toxaphene	3400.	U
12674-11-2	Aroclor-1016	660.	U
11104-28-2	Aroclor-1221	1300.	U
11141-16-5	Aroclor-1232	660.	U
53469-21-9	Aroclor-1242	660.	U
12672-29-6	Aroclor-1248	660.	U
11097-69-1	Aroclor-1254	6200.	D
11096-82-5	Aroclor-1260	660.	U



Data File: 203243.GS Quant Output File: 203243.SQ
Name: 238535 20XDL Instrument ID: GC03
Misc: DB608, 30M X .53mm 0.58903 ul inj.

Id File: IDCAP1.SC
Title: Capillary Column DB 608
Last Calibration: 941027 10:07 Last Cal Time: 960702 00:13

Operator ID: TRFIZ
Quant Time: 960713 17:16
Injected at: 960713 17:15

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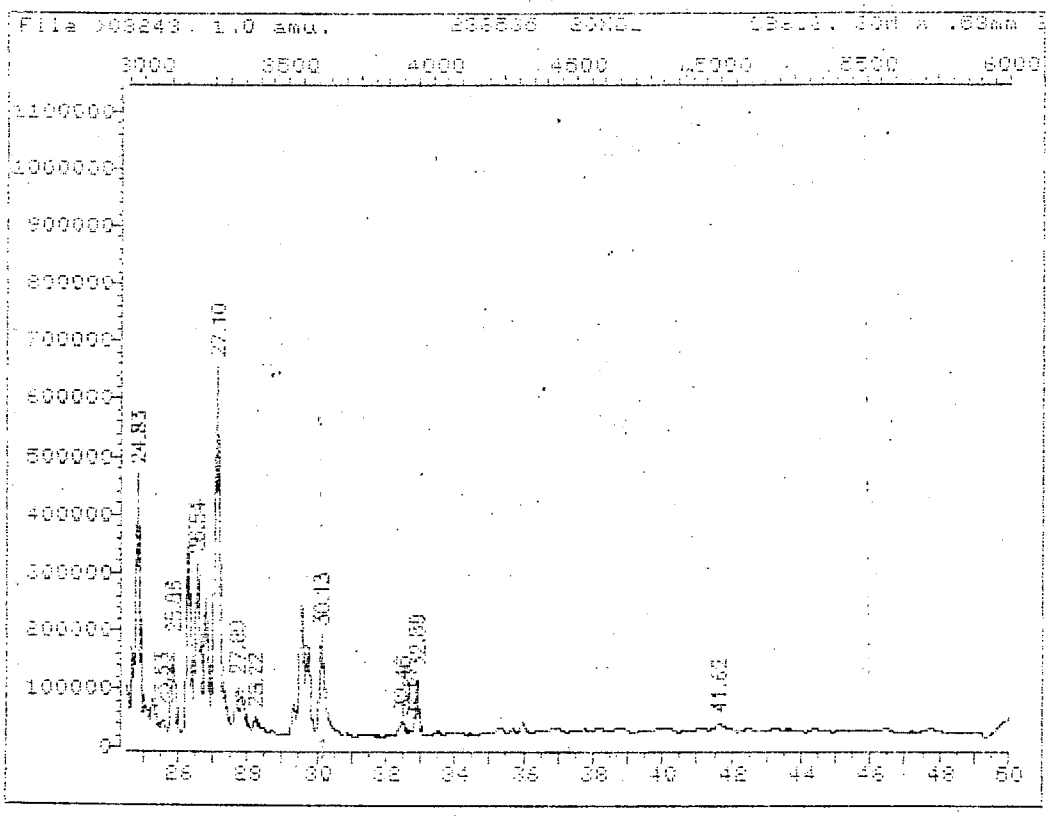

Data File: >03243::G3 Quant Output File: `03243::GQ
Name: 238535 20XDL Instrument ID: GC03
Misc: D8606, 30M X .53mm GC.58903 1ul inj.

Id File: IDCAP1::SC
Title: Capillary Column SS 608
Last Calibration: 941021 10:07 Last Cal Time: 960702 00:13

Operator ID: TRFIZ
Quant Time : 960713 15:16
Injected at: 960710 17:13

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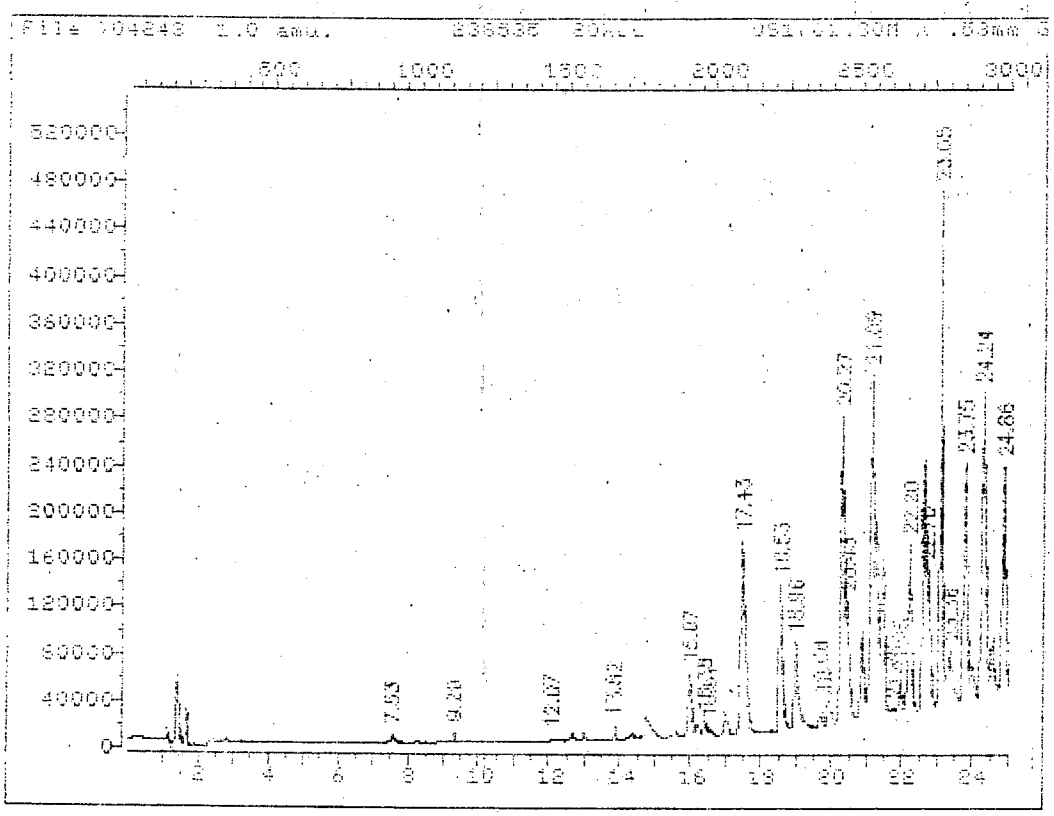

Data File: >04243::01 Quant Output File: ^04243::GQ
Name: 239535 20XDL Instrument ID: GC04
Misc: DB1701,30M X .55mm SC58903,1 ul inj.

Id File: IDCAP2::SC
Title: Capillary Column DB1701
Last Calibration: 941029.10:07 Last Seal Time: 960701 21:23

Operator ID: TRFIZ
Quant Time : 960712 15:19
Injected at: 960710 17:13

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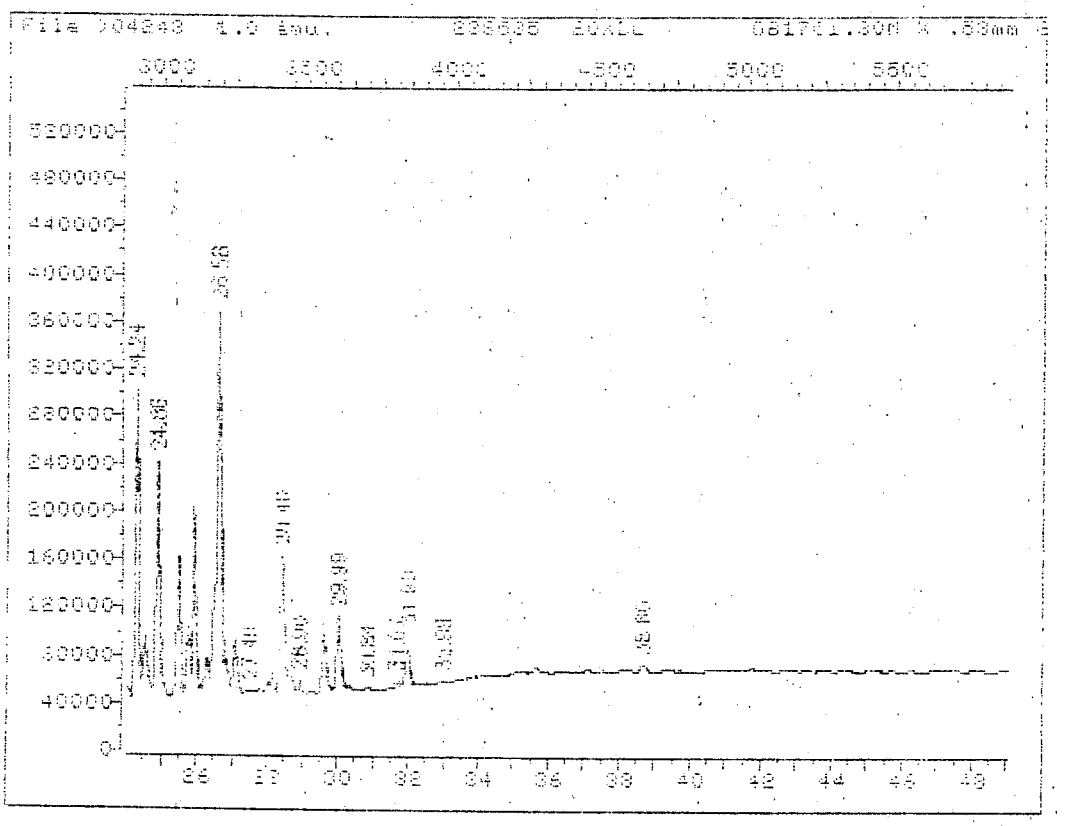

Data File: 004243::G1 Quant Output File: 004243::GQ
Name: 238535 20XDL Instrument ID: GC04
Misc: DB1701.30M X .53mm GC58903.1 ul inj.

Id File: IDCAP2::SC
Title: Capillary Column DB1701
Last Calibration: 941029 10:07 Last Goal Time: 960701 21:23

Operator ID: TRFIZ
Quant Time : 960712 15:16
Injected at: 960710 17:15

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Operator ID: TRFIZ Quant Rev: 7 Quant Time: 960713 15:16
Output File: 103245::08 Injected at: 960710 17:15
Data File: 103245::C3 Dilution Factor: 1.00000
Name: 238537 20XEL Instrument ID: SC03
Misc: SC60E, 30M X .53mm ID,589VE 1ul inj.

S1DL

ID File: IDCAP1::SC
Title: Capillary Column DB 608
Last Calibration: 941029 10:07 Last Ical Time: 960702 00:13

	Compound	R.T.	Scan#	Area	Conc	Units	q
1)	#Tetrachloro-m-xylene	9.07	1089	158583	1.27	ng/ml	100
2)	#~~alpha-BHC~~	12.47	1496	92116	.622	ng/ml	100
3)	#~~beta-BHC~~	14.82	1778	197669	2.41	ng/ml	100
4)	#~~delta-BHC~~	16.68	2002	56309	.466	ng/ml	100
5)	#~~gamma-BHC (Lindane)~~	14.50	1716	209811	1.55	ng/ml	100
6)	#~~Heptachlor~~	16.02	1923	1144267	14.67	ng/ml	100
7)	#~~Aldrin~~	17.38	2085	177253	1.32	ng/ml	100
8)	#~~Heptachlor epoxide~~	19.93	2392	563182	5.13	ng/ml	100
9)	#~~Endosulfan I~~	21.71	2605	928631	7.62	ng/ml	100
10)	#~~Dieldrin~~	22.99	2759	2862896	30.28	ng/ml	100
11)	#~~4,4'-DDE~~	22.69	2723	2097435	22.93	ng/ml	100
12)	#~~Endrin~~	24.83	2979	2895663	33.83	ng/ml	100
13)	#~~Endosulfan II~~	25.86	3103	1037268	10.77	ng/ml	100
14)	#~~4,4'-DDD~~	25.53	3063	172868	3.00	ng/ml	100
15)	#~~Endosulfan Sulfate~~	28.22	3386	130431	1.47	ng/ml	100
16)	#~~4,4'-DDT~~	27.10	3252	4785986	73.84	ng/ml	100
17)	#~~Methoxychlor~~	32.46	3895	248056	6.39	ng/ml	100
18)	#~~Endrin ketone~~	32.67	3920	68243	.758	ng/ml	100
19)	#Decachlorobiphenyl	41.62	4994	306606	2.56	ng/ml	100
20)	#~~alpha-Chlordane~~ NT	21.44	2573	1982877	14.44	ng/ml	100
21)	~~gamma-Chlordane~~ NT	20.53	2499	3568437	30.28	ng/ml	100
22)	#~~Toxaphene(1)~~ NP	23.84	2861	1111175	692.87	ng/ml	100
23)	#~~Aroclor-1016(1)~~ NP	12.47	1496	97321	33.11	ng/ml	100
24)	#~~Aroclor-1221(1)~~ NP	8.07	969	6672	7.87	ng/ml	100
25)	#~~Aroclor-1232(1)~~ NP	12.47	1496	97321	33.97	ng/ml	100
26)	#~~Aroclor-1242(1)~~ NP	12.47	1496	97321	37.31	ng/ml	100
27)	#~~Aroclor-1248(1)~~ NP	16.02	1923	1144267	151.21	ng/ml	100
28)	#Aroclor-1254(1)	20.85	2499	3568437	752.60	ng/ml	100
29)	#~~Aroclor-1260(1)~~ NP	24.58	2923	1501793	307.25	ng/ml	100
30)	#~~Endrin aldehyde~~ NT	27.69	3322	547206	6.94	ng/ml	100
31)	#~~Toxaphene(2)~~ NP	27.69	3322	541199	294.11	ng/ml	100
32)	#~~Toxaphene(3)~~ NP	28.22	3386	130431	52.18	ng/ml	100
34)	#~~Aroclor-1016(2)~~ NP	14.50	1716	209735	32.08	ng/ml	100
35)	#~~Aroclor-1016(3)~~ NP	16.02	1923	1144267	103.59	ng/ml	100
36)	#~~Aroclor-1016(4)~~ NP	16.68	2002	56309	15.08	ng/ml	100
37)	#~~Aroclor-1016(5)~~ NP	19.00	2280	1760969	518.29	ng/ml	100
39)	#~~Aroclor-1221(2)~~ NP	12.47	1496	97321	25.50	ng/ml	100
40)	#~~Aroclor-1232(2)~~ NP	14.50	1716	209735	74.32	ng/ml	100
41)	#~~Aroclor-1232(3)~~ NP	16.02	1923	1144267	243.22	ng/ml	100
42)	#~~Aroclor-1232(4)~~ NP	16.68	2002	56309	32.70	ng/ml	100

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E Prui
7/13/96

QUANT REPORT

Operator ID: TAFI2 Quant Rev: 7 Quant Time: 960713 13:16
Output File: 103245.GD Injected at: 960710 17:15
Data File: 103245.G3 Dilution Factor: 1.00000
Name: 238555 20XDL Instrument ID: GC03
Misc: 03606, 30M x .53mm 11.38905 1ul inj.

ID File: ISCAF1.SC
Title: Capillary Column 28 608
Last Calibration: 941029 10:07 Last Scal Time: 960702 00:13

	Compound	R.T.	Scan#	Area	Conc	Units	q
43)	~~#Aroclor-1242(2)~~	14.50	1716	209735	38.97	ng/ml	100
44)	~~#Aroclor-1242(3)~~	16.02	1923	1144267	128.39	ng/ml	100
45)	~~#Aroclor-1242(4)~~ NP	16.68	2002	156309	17.80	ng/ml	100
46)	~~#Aroclor-1242(5)~~	19.00	2280	1760969	389.16	ng/ml	100
47)	~~#Aroclor-1248(2)~~	17.53	2103	1736208	665.64	ng/ml	100
48)	~~#Aroclor-1248(3)~~	19.00	2280	1760969	424.06	ng/ml	100
49)	~~#Aroclor-1248(4)~~ NP	20.46	2455	1317635	271.96	ng/ml	100
50)	~~#Aroclor-1248(5)~~	21.71	2605	920483	166.96	ng/ml	100
51)	#Aroclor-1254(2)	21.13	2535	4435096	800.29	ng/ml	100
52)	#Aroclor-1254(3)	22.69	2723	2097435	1300.82	ng/ml	100
53)	#Aroclor-1254(4)	23.51	2821	6029640	993.17	ng/ml	100
54)	#Aroclor-1254(5)	24.83	2979	2789813	778.06	ng/ml	100
55)	~~#Aroclor-1260(2)~~	24.83	2979	2792794	398.72	ng/ml	100
56)	~~#Aroclor-1260(3)~~	26.54	3184	2202413	421.90	ng/ml	100
57)	~~#Aroclor-1260(4)~~ NP	30.13	3615	1327561	122.87	ng/ml	100
58)	~~#Aroclor-1260(5)~~	32.89	3946	813519	147.35	ng/ml	100

Compound uses ESTD

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7/13/96

QUAN REPORT

Operator ID: TRFIZ
Output File: ^04243::G8
Data File: >04243::G1
Name: 238FF ZOXD
Disc: DB1701.50M X .53mm DC58903,I,dl.inj.

Quant Rev: 7 Quant Time: 960712 15:18
Injection at: 960710 17:13
Dilution Factor: 1.00000
Instrument ID: GC04

ID File: 1GCAP2::GC
Title: Capillary Column DB1701
Last Calibration: 941029 19:07

Last Scan Time: 960701 21:23

	Compound	R.T.	Scan#	Area	Conc	Units	q
1)	#Tetrachloro-m-xylene	9.29	1115	49095	1.19	ng/ml	100
3)	#~~Beta BHC~~	18.53	2224	882880	33.60	ng/ml	100
4)	#~~Delta BHC~~	19.66	2359	116823	4.79	ng/ml	100
6)	#~~Heptachlor~~	16.58	1966	71796	1.51	ng/ml	100
7)	#~~Aldrin~~	17.43	2092	1528597	40.59	ng/ml	100
8)	#~~Heptachlor epoxide~~	20.46	2451	579705	13.27	ng/ml	100
9)	#~~Endosulfan I~~	21.76	2611	7501	.210	ng/ml	100
10)	#~~Dieldrin~~	23.36	2803	294709	9.08	ng/ml	100
11)	#~~4,4'-DDE~~	22.70	2724	637232	22.96	ng/ml	100
12)	#~~Endrin~~	24.24	2909	1943946	67.06	ng/ml	100
13)	#~~Endosulfan II~~	26.58	3189	2575408	71.96	ng/ml	100
14)	#~~4,4'-DDD~~	26.58	3189	2549056	120.63	ng/ml	100
16)	#~~4,4'-DDT~~	27.49	3298	10662	.647	ng/ml	100
17)	#~~Methoxychlor~~	30.84	3700	26101	1.94	ng/ml	100
18)	#~~Endrin ketone~~	32.99	3958	22534	.793	ng/ml	100
19)	#Decachlorobiphenyl	38.66	4639	65398	1.40	ng/ml	100
20)	#~~alpha-Chlordane~~ NT	22.20	2664	894763	21.45	ng/ml	100
21)	#~~gamma-Chlordane~~ NT	21.95	2634	132714	3.32	ng/ml	100
23)	#~~Aroclor-1016(1)~~ NP	12.07	1448	12473	10.10	ng/ml	100
24)	#~~Aroclor-1221(1)~~ NP	7.55	904	54250	43.31	ng/ml	100
25)	#~~Aroclor-1232(1)~~ NP	7.55	904	54250	28.76	ng/ml	100
26)	#~~Aroclor-1242(1)~~ NP	12.07	1448	12473	11.79	ng/ml	100
27)	#~~Aroclor-1248(1)~~ NP	13.82	1659	69795	63.36	ng/ml	100
28)	#Aroclor-1254(1)	17.43	2092	1520620	957.19	ng/ml	100
29)	#~~Aroclor-1260(1)~~ NP	23.75	2850	1408897	609.82	ng/ml	100
30)	#~~Endrin aldehyde~~ NT	28.90	3468	86969	2.86	ng/ml	100
31)	#~~Toxaphene(2)~~ NP	29.40	3408	824115	1143.43	ng/ml	100
33)	#~~Toxaphene(4)~~ NP	31.67	3800	44013	87.71	ng/ml	100
34)	#~~Aroclor-1016(2)~~	13.82	1659	69795	28.55	ng/ml	100
35)	#~~Aroclor-1016(3)~~	15.97	1916	342012	88.17	ng/ml	100
36)	#~~Aroclor-1016(4)~~ NP	16.51	1981	58393	26.36	ng/ml	100
37)	#~~Aroclor-1016(5)~~	18.53	2224	882880	428.44	ng/ml	100
39)	#~~Aroclor-1221(3)~~ NP	12.07	1448	12473	7.27	ng/ml	100
40)	#~~Aroclor-1232(2)~~	12.07	1448	12473	10.65	ng/ml	100
41)	#~~Aroclor-1232(3)~~ NP	13.82	1659	69795	67.78	ng/ml	100
42)	#~~Aroclor-1232(4)~~	15.97	1916	342012	218.94	ng/ml	100
43)	#~~Aroclor-1242(2)~~	13.82	1659	69795	35.14	ng/ml	100
44)	#~~Aroclor-1242(3)~~	15.97	1916	342012	110.93	ng/ml	100
45)	#~~Aroclor-1242(4)~~ NP	16.51	1981	58393	33.59	ng/ml	100
46)	#~~Aroclor-1242(5)~~	17.43	2092	1520620	1921.82	ng/ml	100

EPrui
7/13/96

QUANT REPORT

Operator ID: TRFI2 Quant Rev: 7 Quant Time: 960712 15:18
Output File: ^04245::GQ Injected at: 960710 17:13
Data File: >04243::G1 Dilution Factor: 1.00000
Name: 256535 20XDL Instrument ID: GC04
Misc: DB1701.30M X .53mm GC58903.1 ul inj.

ID File: IDCAP2::SC
Title: Capillary Column 1701
Last Calibration: 941027 10:07 Last Qcal Time: 960701 21:23

	Compound	R.T.	Scan#	Area	Conc	Units	q
47)	#~~Aroclor-1248~~(2)	15.97	1916	542012	130.92	ng/ml	100
48)	#~~Aroclor-1248~~(3)	18.57	2224	882880	358.36	ng/ml	100
49)	#~~Aroclor-1248~~(4)	18.96	2275	720513	294.85	ng/ml	100
50)	#~~Aroclor-1248~~(5)	20.45	2451	579705	603.99	ng/ml	100
51)	#Aroclor-1254(2)	20.27	2432	1829773	899.97	ng/ml	100
52)	#Aroclor-1254(3)	21.07	2531	1774692	967.66	ng/ml	100
53)	#Aroclor-1254(4)	23.05	2766	2783019	1091.51	ng/ml	100
54)	#Aroclor-1254(5)	23.75	2850	1408897	1038.81	ng/ml	100
55)	#~~Aroclor-1260~~(2)	24.86	2983	1409659	519.19	ng/ml	100
56)	#~~Aroclor-1260~~(3)	28.40	3408	823865	464.19	ng/ml	100
57)	#~~Aroclor-1260~~(4)	29.99	3599	506460	128.82	ng/ml	100
58)	#~~Aroclor-1260~~(5)	31.99	3838	406942	163.86	ng/ml	100

NP

NP

Compound uses ESTD

EPrice
2/13/96

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S2

Lab Name: ICM Contract:

Lab Code: ICM Case No.: SAS No.: SDG No.: RIN1A

Matrix: (soil/water) SOIL Lab Sample ID: 238537

Sample wt/vol: 30.2 (g/mL) G Lab File ID: 03252

% Moisture: 8. decanted: (Y/N) N Date Received: 06/28/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 07/03/96

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 07/11/96

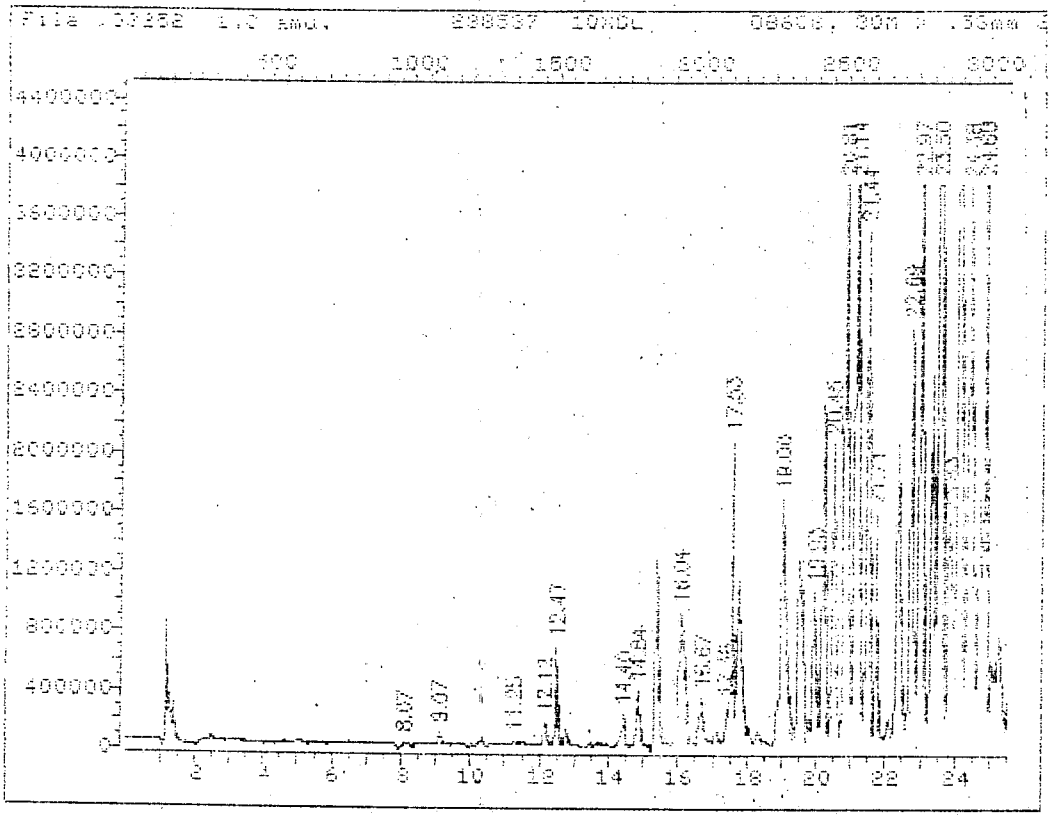
Injection Volume: 1.0 (uL) Dilution Factor: 10.0

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

Use these data

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
319-84-6	alpha-BHC	18.	U
319-85-7	beta-BHC	18.	U
319-86-8	delta-BHC	18.	U
58-89-9	gamma-BHC (Lindane)	18.	U
76-44-8	Heptachlor	18.	U
309-00-2	Aldrin	18.	U
1024-57-3	Heptachlor epoxide	18.	U
959-98-8	Endosulfan I	18.	U
60-57-1	Dieldrin	36.	U
72-55-9	4,4'-DDE	36.	U
72-20-8	Endrin	36.	U
33213-65-9	Endosulfan II	36.	U
72-54-8	4,4'-DDD	36.	U
1031-07-8	Endosulfan Sulfate	36.	U
50-29-3	4,4'-DDT	36.	U
72-43-5	Methoxychlor	180.	U
53494-70-5	Endrin ketone	36.	U
7421-93-4	Endrin aldehyde	36.	U
5103-71-9	alpha-Chlordane	18.	U
5103-74-2	gamma-Chlordane	18.	U
8001-35-2	Toxaphene	1800.	U
12674-11-2	Aroclor-1016	360.	U
11104-28-2	Aroclor-1221	730.	U
11141-16-5	Aroclor-1232	360.	U
53469-21-9	Aroclor-1242	360.	U
12672-29-6	Aroclor-1248	360.	U
11097-69-1	Aroclor-1254	59000 ~~29000.~~	~~E~~ D*
11096-82-5	Aroclor-1260	360.	U

D* value transferred from dilution analysis S2DL 100 x D/F



Data File: >03252::F3 Quant Output File: ^03252::GQ
Name: 238537 10XDL Instrument ID: GC03
Misc: DB608, 30M X .53mm GC58903, 1ul inj.

Id File: IDCAP1::GC
Title: Capillary Column DB 608
Last Calibration: 941029 13:07 Last Qcal Time: 960702 00:13

Operator ID: FRFIZ
Quant Time : 960712 13:14
Injected at: 960711 00:58

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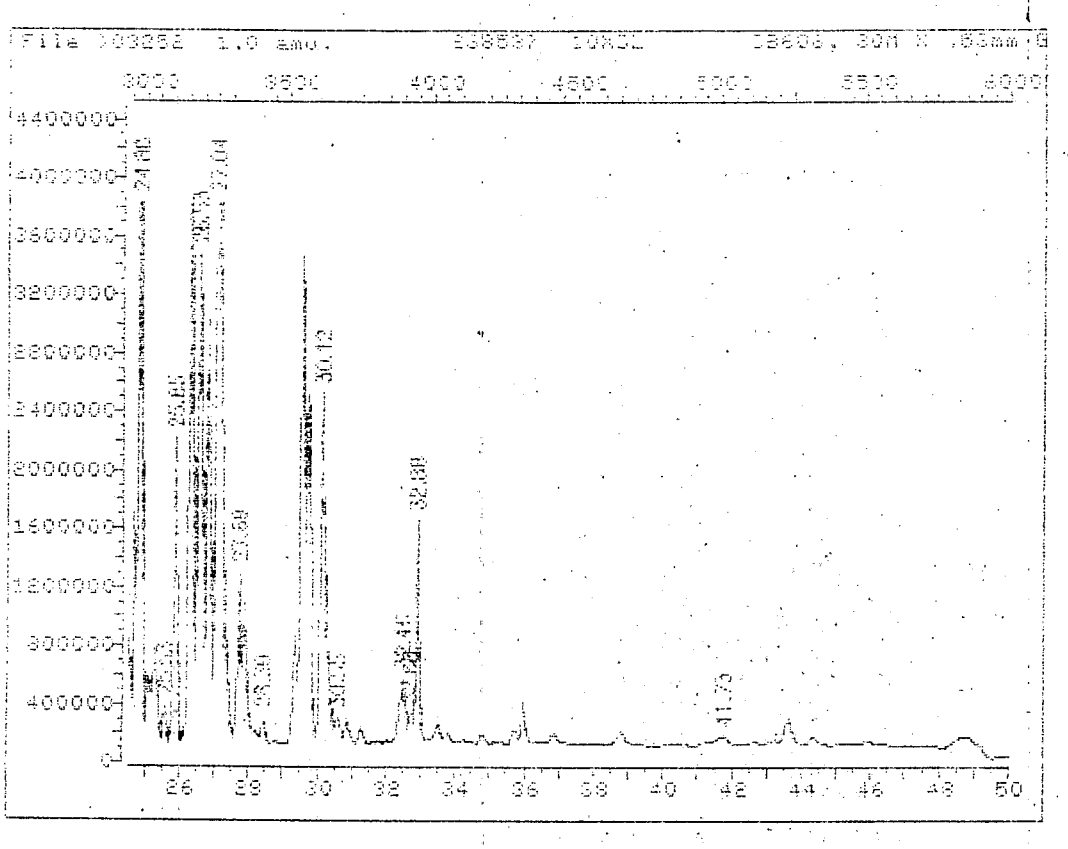

Data File: >03252::F3 Quant Output File: ^03252::GQ
Name: 238537 10XDL Instrument ID: GC03
Misc: DB608, 30M X .53mm GC58903, 1uL inj.

Id File: IDCAP1::SC
Title: Capillary Column DB 608
Last Calibration: 941029 10:07 Last Ocal Time: 960702 00:13

Operator ID: TRFI2
Quant Time : 960712 13:14
Injected at: 960711 00:58

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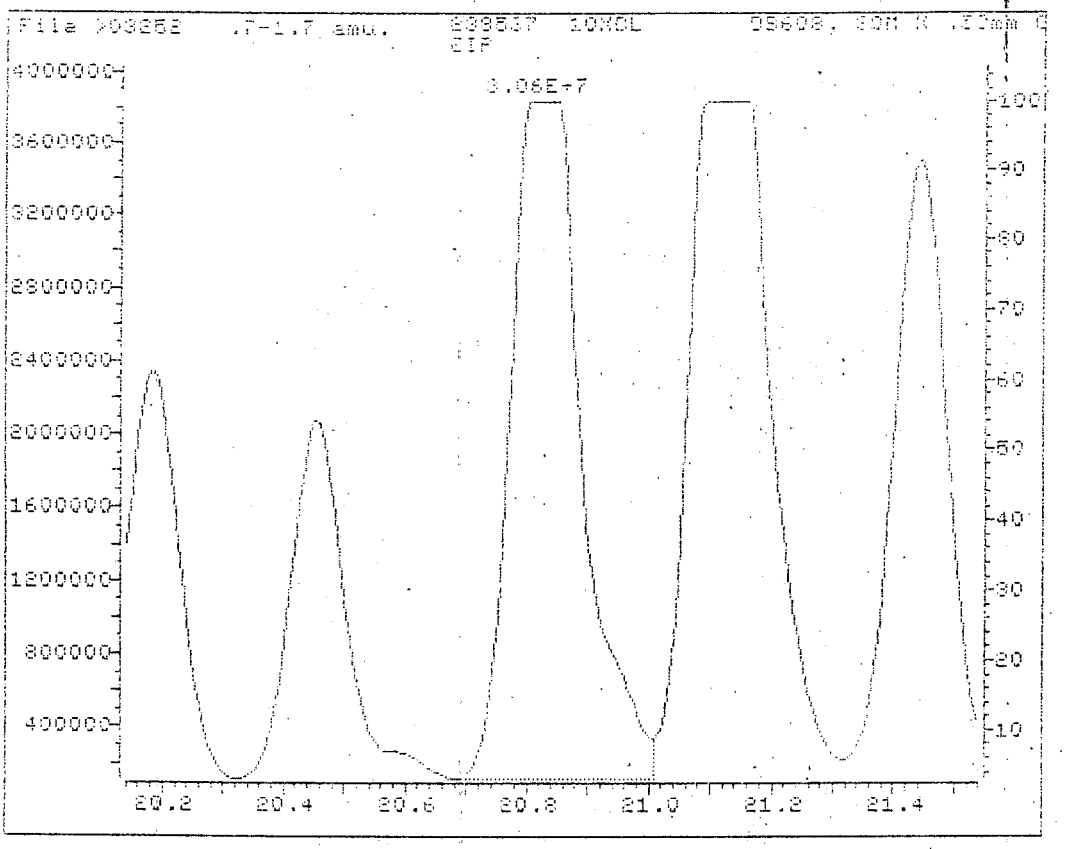
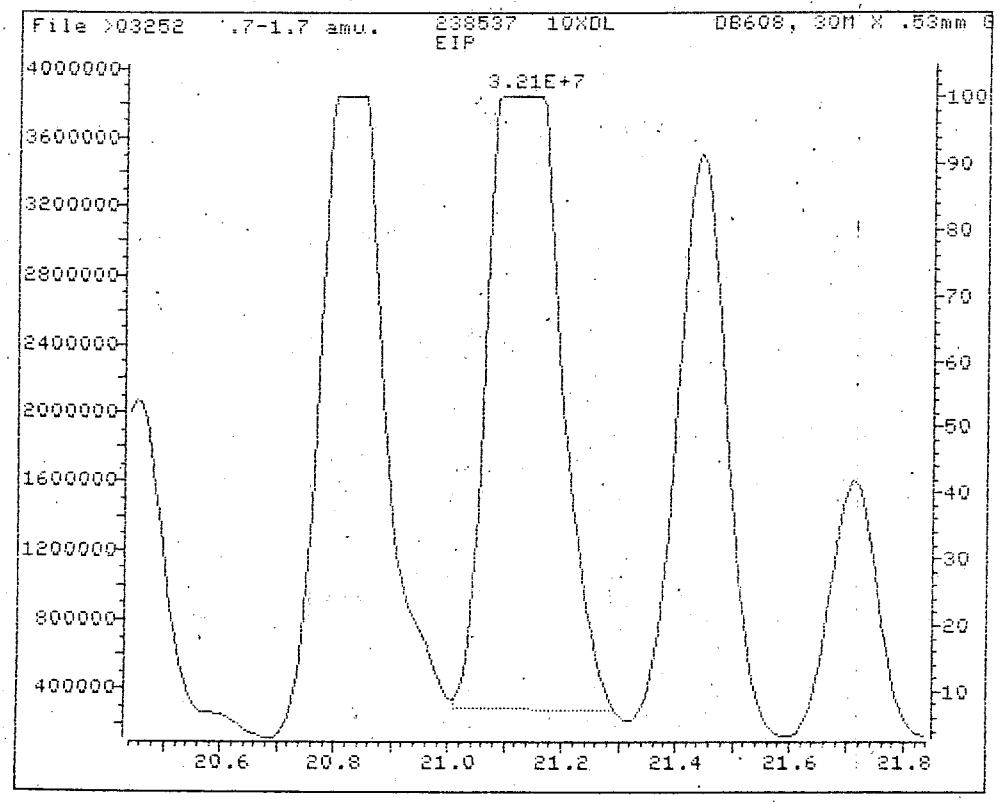


Data File: >03252::F3 Quant Output File: ^03252::GQ
Name: 238537 10XDL Instrument ID: GC03
Misc: DB608, 30M X .53mm GC58903, 1ul inj.
Quant Time: 960712 13:14 Quant ID File: IDCAP1::SC
Injected at: 960711 00:58 Last Calibration: 941029 10:07

Compound No: 28
Compound Name: Aroclor-1254(1)
Scan Number: 2497
Retention Time: 20.81 min.
Quant Ion: 1.0
Area: 30613388M
Concentration: 6456.55 ng/ml
q-value: 100

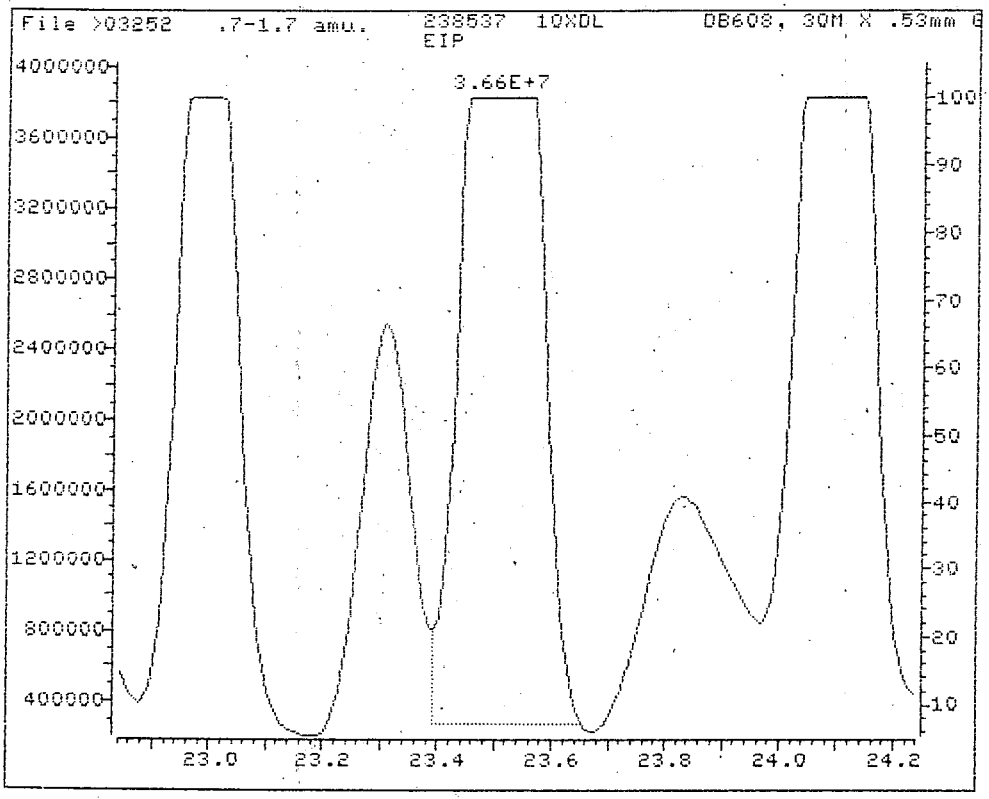
This report was produced by QAREA on: 960725 16:04



Data File: >03252::F3 Quant Output File: ^03252::GQ
Name: 238537 10XDL Instrument ID: GC03
Misc: DB608, 30M X .53mm GC58903, 1ul inj.
Quant Time: 960712 13:14 Quant ID File: IDCAP1::SC
Injected at: 960711 00:58 Last Calibration: 941029 10:07

Compound No: 51
Compound Name: Aroclor-1254(2)
Scan Number: 2537
Retention Time: 21.14 min.
Quant Ion: 1.0
Area: 32063064M
Concentration: 5785.60 ng/ml
q-value: 100

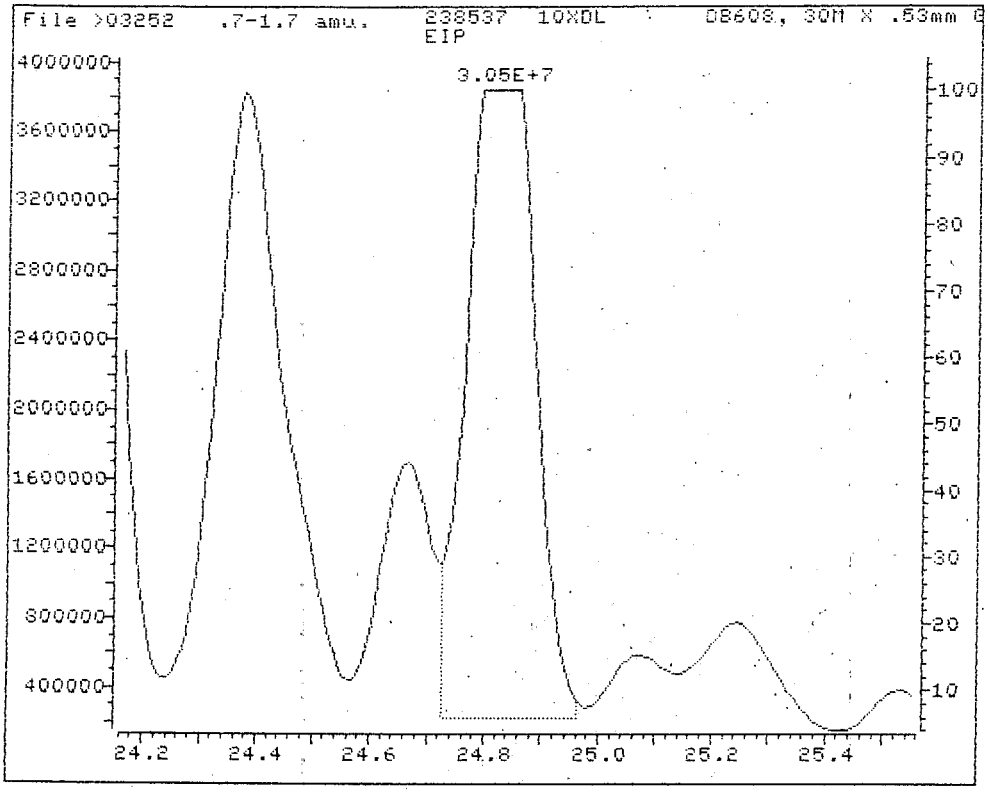
This report was produced by QAREA on: 960714 15:05



Data File: >03252::F3 Quant Output File: ^03252::GQ
Name: 238537 10XDL Instrument ID: GC03
Misc: DB608, 30M X .53mm GC58903, 1ul inj.
Quant Time: 960712 13:14 Quant ID File: IDCAP1::SC
Injected at: 960711 00:58 Last Calibration: 941029 10:07

Compound No: 53
Compound Name: Aroclor-1254(4)
Scan Number: 2820
Retention Time: 23.50 min.
Quant Ion: 1.0
Area: 36635376M
Concentration: 6034.40 ng/ml
q-value: 100

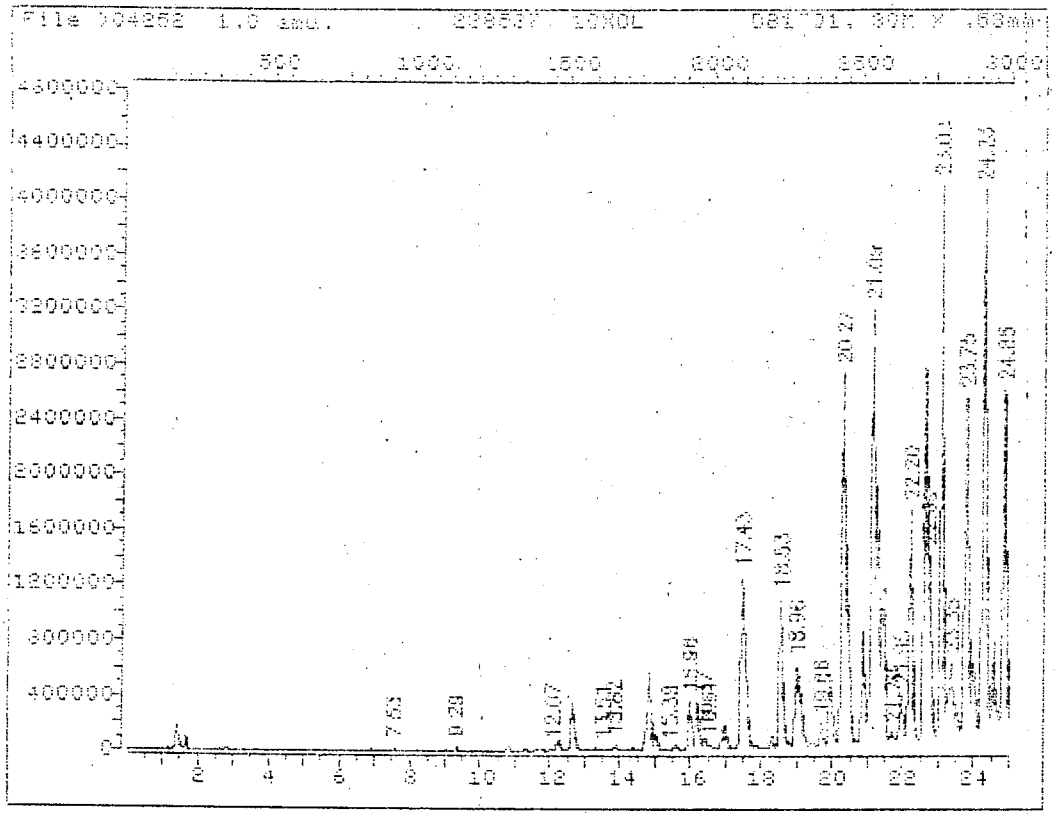
This report was produced by QAREA on: 960714 15:10



Data File: >03252::F3 Quant Output File: ^03252::GQ
Name: 238537 10XDL Instrument ID: GC03
Misc: DB608, 30M X .53mm GC58903, 1ul inj.
Quant Time: 960712 13:14 Quant ID File: IDCAP1::SC
Injected at: 960711 00:58 Last Calibration: 941029 10:07

Compound No: 54
Compound Name: Aroclor-1254(5)
Scan Number: 2979
Retention Time: 24.83 min.
Quant Ion: 1.0
Area: 30487460M
Concentration: 8502.70 ng/ml
q-value: 100

This report was produced by QAREA on: 960714 15:13



Data File: >04252::G1 Quant Output File: ^04252::GQ
Name: 238537 10XDL Instrument ID: GC04
Misc: DB1701, 30M X .53mm GC58903 1ul inj.

Id File: IDCAP2::SC
Title: Capillary Column DB1701
Last Calibration: 941025 10:07 Last Qcal Time: 960701 21:23

Operator ID: TRFI2
Quant Time : 960712 13:29
Injected at: 960711 00:59

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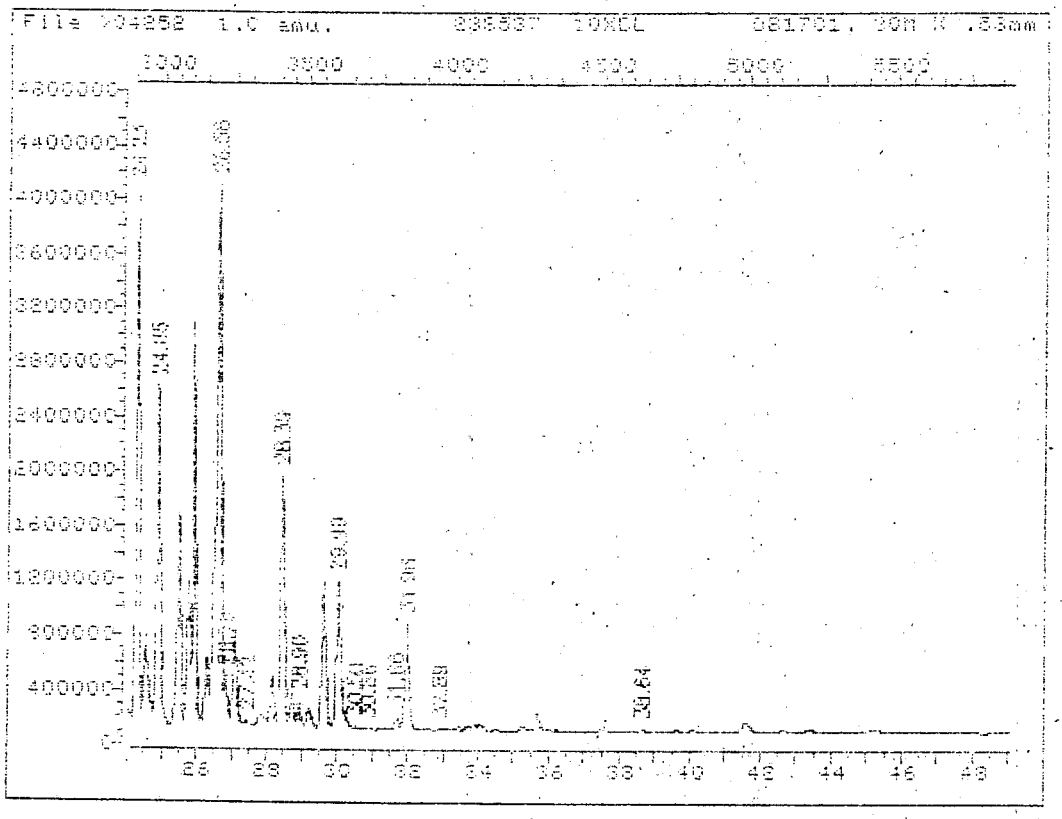

Data File: >04252::G1 Quant Output File: >04252::GQ
Name: 238537 10XDL Instrument ID: GC04
Misc: DB1701. 30M X .53mm GC58903 1ul inj.

Id File: IDCAP2::SC
Title: Capillary Column DB1701
Last Calibration: 941029 10:07 Last Qcal Time: 960701 21:23

Operator ID: TRFI2
Quant Time : 960712 15:29
Injected at: 960711 00:58

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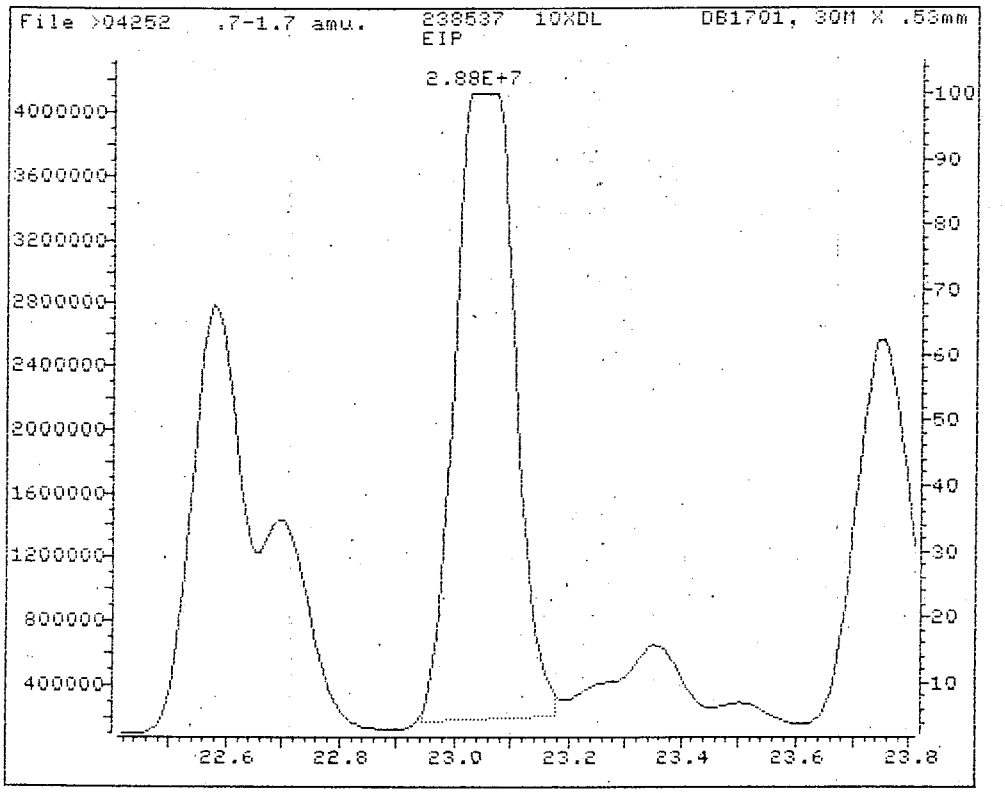


Data File: >04252::G1 Quant Output File: ^04252::GQ
Name: 238537 10XDL Instrument ID: GC04
Misc: DB1701, 30M X .53mm GC58903 1ul inj.
Quant Time: 960712 13:29 Quant ID File: IDCAPZ::SC
Injected at: 960711 00:58 Last Calibration: 941029 10:07

Compound No: 53
Compound Name: Aroclor-1254(4)
Scan Number: 2763
Retention Time: 23.03 min.
Quant Ion: 1.0
Area: 28839204M
Concentration: 11310.82 ng/ml
q-value: 100

This report was produced by QAREA on: 960714 15:03

Operator ID: TRFI2 Quant Rev: 7 Quant Time: 960712 15:14
Output File: >03252::SO Injected at: 960711 00:58
Data File: >03252::F3 Dilution Factor: 1.00000
Name: 238537 10XDL Instrument ID: GC03
Misc: DB608, 30M X .53mm GC58903, 1ul inj.

ID File: IDCAP1::SC
Title: Capillary Column DB 608
Last Calibration: 941029 10:07 Last Ocal Time: 960702 00:13

Compound	R.T.	Scan#	Area	Conc	Units	q
1) #Tetrachloro-m-xylene	9.07	1089	391700	3.13	ng/ml	100
~~2) #alpha-BHC~~	12.47	1496	4058682	27.42	ng/ml	100
~~3) #beta-BHC~~	14.84	1781	2230964	27.18	ng/ml	100
~~4) #delta-BHC~~	16.67	2001	2630828	21.76	ng/ml	100
~~5) #gamma-BHC (Lindane)~~	14.40	1728	1773787	12.98	ng/ml	100
~~6) #Heptachlor~~	16.04	1925	6108200	78.29	ng/ml	100
~~7) #Aldrin~~	17.38	2085	1024230	7.60	ng/ml	100
~~8) #Heptachlor epoxide~~	19.93	2392	6185497	56.31	ng/ml	100
~~9) #Endosulfan I~~	21.71	2605	9017134	74.00	ng/ml	100
~~10) #Dieldrin~~	22.97	2756	2786772	29.47	ng/ml	100
~~11) #4,4'-DDE~~	22.97	2756	2786772	30.46	ng/ml	100
~~12) #Endrin~~	24.80	2976	2264429	26.46	ng/ml	100
~~13) #Endosulfan II~~	25.85	3102	14753400	153.18	ng/ml	100
~~14) #4,4'-DDD~~	25.53	3063	1650304	28.65	ng/ml	100
~~15) #Endosulfan Sulfate~~	28.39	3407	1336333	15.08	ng/ml	100
~~16) #4,4'-DDT~~	27.04	3244	2937811	45.32	ng/ml	100
~~17) #Methoxychlor~~	32.46	3895	4854394	125.03	ng/ml	100
~~18) #Endrin ketone~~	32.68	3921	1269578	14.10	ng/ml	100
19) #Decachlorobiphenyl	41.73	5008	1396326	11.67	ng/ml	100
~~20) #alpha-Chlordane~~ NT	21.44	2573	20793564	151.42	ng/ml	100
~~21) #gamma-Chlordane~~ NT	20.81	2497	3316261	28.14	ng/ml	100
~~22) #Toxaphene(1)~~ NT	23.83	2859	14158164	8828.29	ng/ml	100
~~23) #Aroclor-1016(1)~~ ND	12.47	1496	4071864	1385.11	ng/ml	100
~~24) #Aroclor-1221(1)~~ ND	8.07	968	858189	1011.95	ng/ml	100
~~25) #Aroclor-1232(1)~~ ND	12.47	1496	4071864	1421.33	ng/ml	100
~~26) #Aroclor-1242(1)~~ ND	12.12	1455	907273	347.84	ng/ml	100
~~27) #Aroclor-1248(1)~~ ND	16.04	1925	6181469	816.88	ng/ml	100
28) #Aroclor-1254(1)	20.81	2497	30613388M	6456.55	ng/ml	100
~~29) #Aroclor-1260(1)~~ ND	24.38	2925	27126412	3499.26	ng/ml	100
~~30) #Endrin aldehyde~~ NT	27.69	3322	9351454	118.56	ng/ml	100
~~31) #Toxaphene(2)~~ NT	27.69	3322	9322284	5066.05	ng/ml	100
~~32) #Toxaphene(3)~~ NT	28.39	3407	1336333	534.64	ng/ml	100
~~33) #Toxaphene(4)~~ NT	30.55	3666	1290228	669.27	ng/ml	100
~~34) #Aroclor-1016(2)~~ ND	14.40	1728	1773787	271.35	ng/ml	100
~~35) #Aroclor-1016(3)~~ ND	16.04	1925	6181469	559.63	ng/ml	100
~~36) #Aroclor-1016(4)~~ ND	16.67	2001	2630828	704.46	ng/ml	100
~~37) #Aroclor-1016(5)~~ ND	19.00	2280	17377552	5114.56	ng/ml	100
~~38) #Aroclor-1221(2)~~ ND	11.25	1350	138464	82.40	ng/ml	100
~~39) #Aroclor-1221(3)~~ ND	12.47	1496	4071864	1067.01	ng/ml	100
~~40) #Aroclor-1232(2)~~ ND	14.40	1728	1773787	628.55	ng/ml	100

MM 7/24/96

Operator ID: TRF12 Quant Rev: 7 Quant Time: 960712 15:14
Output File: 003252::GO Injected at: 960711 00:58
Data File: >03251::F3 Dilution Factor: 1.00000
Name: 258537 10XDL Instrument ID: GC03
Misc: DB608, 30M X .53mm GC58903, 1ul inj.

ID File: IDCAP1::SC
Title: Capillary Column DB 608
Last Calibration: 941027 10:07 Last Qcal Time: 960702 00:13

Compound	R.T.	Scan#	Area	Conc	Units	q
~~41) #Aroclor-1232(3)~~ NP	16.04	1925	6181469	1313.91	ng/ml	100
~~42) #Aroclor-1232(4)~~ NP	16.67	2001	2630828	1528.01	ng/ml	100
~~43) #Aroclor-1242(2)~~ NP	14.40	1728	1773787	329.55	ng/ml	100
~~44) #Aroclor-1242(3)~~ NP	16.04	1925	6181469	693.51	ng/ml	100
~~45) #Aroclor-1242(4)~~ NP	16.67	2001	2630828	831.77	ng/ml	100
~~46) #Aroclor-1242(5)~~ NP	19.00	2280	17377552	5813.91	ng/ml	100
~~47) #Aroclor-1248(2)~~ NP	17.53	2103	13338442	5113.77	ng/ml	100
~~48) #Aroclor-1248(3)~~ NP	19.00	2280	17377552	4184.70	ng/ml	100
~~49) #Aroclor-1248(4)~~ NP	20.45	2454	12345356	2548.04	ng/ml	100
~~50) #Aroclor-1248(5)~~ NP	21.71	2605	9017134	1635.53	ng/ml	100
51) #Aroclor-1254(2)	21.14	2537	32063064M	5785.60	ng/ml	100
52) #Aroclor-1254(3)	22.69	2723	20929028	12980.05	ng/ml	100
53) #Aroclor-1254(4)	23.50	2820	36635376M	6034.40	ng/ml	100
54) #Aroclor-1254(5)	24.83	2979	30487460M	8502.70	ng/ml	100
~~55) #Aroclor-1260(2)~~ NP	24.80	2976	2264429	323.29	ng/ml	100
~~56) #Aroclor-1260(3)~~ NP	26.53	3183	20746348	3974.21	ng/ml	100
~~57) #Aroclor-1260(4)~~ NP	30.12	3614	19404508	1795.94	ng/ml	100
~~58) #Aroclor-1260(5)~~ NP	32.88	3945	12530712	2269.65	ng/ml	100

Compound uses ESTD

7/24/96

QUANT REPORT Page 1

Operator ID: TEF12 Quant Rev: 7 Quant Time: 960712 17:29
Output File: ^04252::SC Injected at: 960711 00:58
Data File: >04252::S1 Dilution Factor: 1.00000
Name: 238537 10XDL Instrument ID: GC04
Misc: DB1701, FOM X .53mm, CC58903 1ul inj.

ID File: IDCAP1::SC
Title: Capillary Column DB1701
Last Calibration: 941029 19:07 Last Qcal Time: 960701 21:23

	Compound	R.T.	Scan#	Area	Conc	Units	q	
1)	#Tetrachloro-m-xylene	9.29	1115	125563	3.03	ng/ml	100	
2)	~~#alpha-BHC~~	13.51	1621	7555	.231	ng/ml	100	NT
3)	~~#beta-BHC~~	18.53	2223	7295829	277.67	ng/ml	100	NT
4)	~~#delta-BHC~~	19.66	2359	719074	57.71	ng/ml	100	NT
5)	~~#gamma-BHC (Lindane)~~	15.39	1847	53205	1.56	ng/ml	100	NT
6)	~~#Heptachlor~~	16.37	1965	318147	6.71	ng/ml	100	NT
7)	~~#Aldrin~~	17.43	2092	11695050	310.54	ng/ml	100	NT
9)	~~#Endosulfan I~~	21.70	2604	295310	8.27	ng/ml	100	NT
10)	~~#Dieldrin~~	23.35	2802	2984875	86.85	ng/ml	100	NT
11)	~~#4,4'-DDE~~	22.69	2723	7076617	254.92	ng/ml	100	NT
12)	~~#Endrin~~	24.23	2907	26728944	928.27	ng/ml	100	NT
13)	~~#Endosulfan II~~	26.79	3214	1809794	50.57	ng/ml	100	NT
14)	~~#4,4'-DDD~~	26.56	3187	2230741	106.99	ng/ml	100	NT
15)	~~#Endosulfan Sulfate~~	30.50	3660	206424	7.80	ng/ml	100	NT
16)	~~#4,4'-DDT~~	27.42	3290	293354	18.10	ng/ml	100	NT
17)	~~#Methoxychlor~~	30.86	3703	103677	7.70	ng/ml	100	NT
18)	~~:Endrin ketone~~	32.89	3946	138626	4.92	ng/ml	100	NT
19)	#Decachlorobiphenyl	38.64	4637	266055	5.70	ng/ml	100	
20)	~~#alpha-Chlordane~~	22.20	2664	[illegible]	258.21	ng/ml	100	NT
21)	~~#gamma-Chlordane~~	21.95	2634	1797515	44.98	ng/ml	100	NT
23)	~~#Aroclor-1016(1)~~	12.07	1448	50611	40.98	ng/ml	100	NP
24)	~~#Aroclor-1221(1)~~	7.53	904	76694	96.98	ng/ml	100	NP
25)	~~#Aroclor-1232(1)~~	7.53	904	76694	64.41	ng/ml	100	NP
26)	~~#Aroclor-1242(1)~~	12.07	1448	50611	47.84	ng/ml	100	NP
27)	~~#Aroclor-1248(1)~~	13.82	1659	271916	246.86	ng/ml	100	NP
28)	#Aroclor-1254(1)	17.43	2092	11695050	7361.67	ng/ml	100	
29)	~~#Aroclor-1260(1)~~	23.75	2850	16806424	7274.47	ng/ml	100	
30)	~~#Endrin aldehyde~~	28.90	3468	1365299	44.93	ng/ml	100	NT
31)	~~#Toxaphene~~(2)	28.39	3407	13182660	18290.45	ng/ml	100	NP
32)	~~#Toxaphene~~(3)	30.50	3660	206424	418.82	ng/ml	100	NP
33)	~~#Toxaphene~~(4)	31.66	3799	634660	1264.78	ng/ml	100	NP
34)	~~#Aroclor-1016(2)~~	13.82	1659	271916	111.23	ng/ml	100	NP
35)	~~#Aroclor-1016(3)~~	15.96	1915	2012106	518.70	ng/ml	100	NP
36)	~~#Aroclor-1016(4)~~	16.51	1981	176348	121.09	ng/ml	100	NP
37)	~~#Aroclor-1016(5)~~	18.53	2223	7295829	3540.50	ng/ml	100	NP
39)	~~#Aroclor-1221(3)~~	12.07	1448	50611	29.51	ng/ml	100	NP
40)	~~#Aroclor-1232(2)~~	12.07	1448	50611	43.20	ng/ml	100	NP
41)	~~#Aroclor-1232(3)~~	13.82	1659	271916	264.07	ng/ml	100	NP
42)	~~#Aroclor-1232(4)~~	15.96	1915	2012106	1288.04	ng/ml	100	NP
43)	~~#Aroclor-1242(2)~~	13.82	1659	271916	136.90	ng/ml	100	NP

EPrua
7/13/96

QUANT REPORT

Operator ID: TRF12 Quant Rev: 7 Quant Time: 960712 13:29
Output File: 104252::SC Injected at: 960711 00:58
Data File: 104252::61 Dilution Factor: 1.00000
Name: C38537 10XDL Instrument ID: SC04
Misc: DB1701, 30M X .53mm SC58903 1ul inj.

ID File: IDCAP2::SC
Title: Capillary Column DB1701
Last Calibration: 941029 10:07 Last Scal Time: 960701 21:23

	Compound	R.T.	Scan#	Area	Conc	Units	q
44)	~~#Aroclor-1242(3)~~	15.96	1915	2012106	652.61	ng/ml	100
45)	~~#Aroclor-1242(4)~~	16.51	1981	176348	154.29	ng/ml	100
46)	~~#Aroclor-1242(5)~~	17.43	2092	11695050	14780.66	ng/ml	100
47)	~~#Aroclor-1248(2)~~	15.96	1915	2012106	770.25	ng/ml	100
48)	~~#Aroclor-1248(3)~~	18.53	2223	7295829	2961.35	ng/ml	100
49)	~~#Aroclor-1248(4)~~	18.96	2275	3204719	1815.33	ng/ml	100
50)	~~#Aroclor-1248(5)~~	20.27	2432	17427588	18157.52	ng/ml	100
51)	#Aroclor-1254(2)	20.27	2432	17427588	3571.68	ng/ml	100
52)	#Aroclor-1254(3)	21.09	2531	19480140	10621.61	ng/ml	100
53)	#Aroclor-1254(4)	23.03	2763	28839204M	11310.82	ng/ml	100
54)	#Aroclor-1254(5)	23.75	2850	16806424	12391.74	ng/ml	100
55)	~~#Aroclor-1260(2)~~	24.85	2982	17352760	6391.18	ng/ml	100
56)	~~#Aroclor-1260(3)~~	28.39	3407	12932356	7286.49	ng/ml	100
57)	~~#Aroclor-1260(4)~~	29.99	3599	9662310	2457.61	ng/ml	100
58)	~~#Aroclor-1260(5)~~	31.98	3837	7203146	2900.46	ng/ml	100

NP

NP

NP

Compound uses ESTD

E Price
7/13/96

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S2	DL

Lab Name: ICM Contract:

Lab Code: ICM Case No.: SAS No.: SDG No.: RIN1A

Matrix: (soil/water) SOIL Lab Sample ID: 238537

Sample wt/vol: 30.2 (g/mL) G Lab File ID: 03219

% Moisture: 8. decanted: (Y/N) N Date Received: 06/28/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 07/03/96

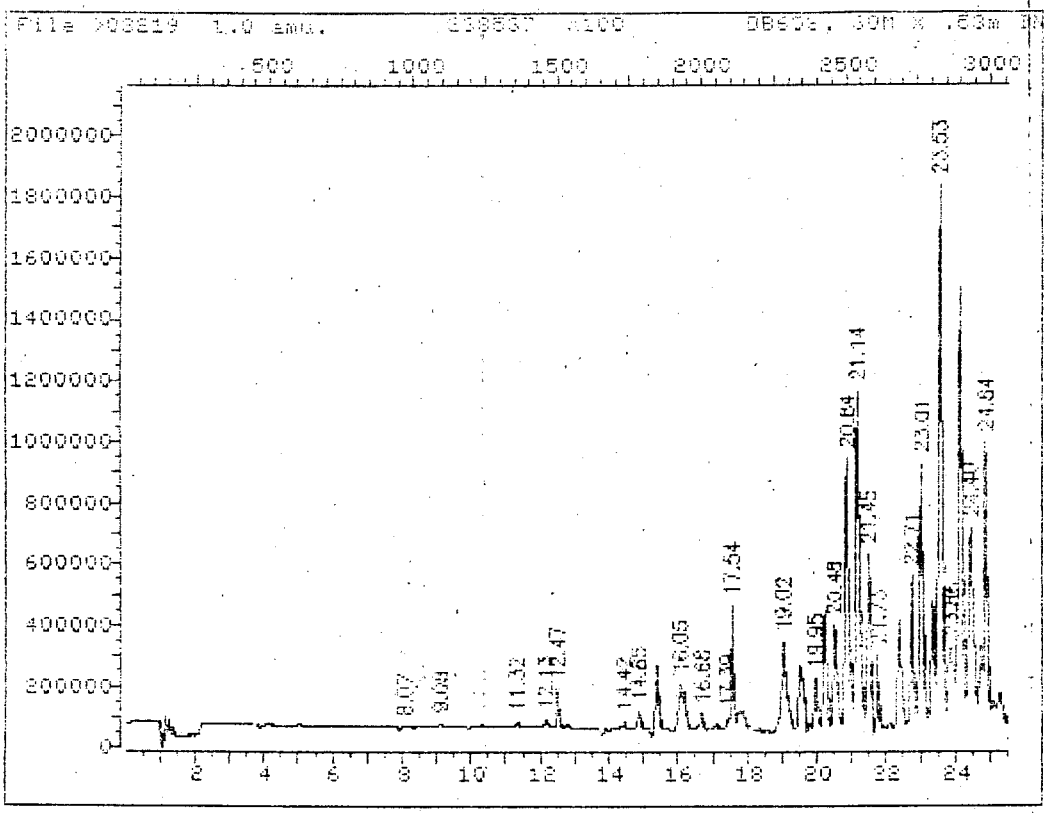
Concentrated Extract Volume: 5000 (uL) Date Analyzed: 07/09/96

Injection Volume: 1.0 (uL) Dilution Factor: 100.0

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

Do not use these data.

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
319-84-6	alpha-BHC	180.	U
319-85-7	beta-BHC	180.	U
319-86-8	delta-BHC	180.	U
58-89-9	gamma-BHC (Lindane)	180.	U
76-44-8	Heptachlor	180.	U
309-00-2	Aldrin	180.	U
1024-57-3	Heptachlor epoxide	180.	U
959-98-8	Endosulfan I	180.	U
60-57-1	Dieldrin	360.	U
72-55-9	4,4'-DDE	360.	U
72-20-8	Endrin	360.	U
33213-65-9	Endosulfan II	360.	U
72-54-8	4,4'-DDD	360.	U
1031-07-8	Endosulfan Sulfate	360.	U
50-29-3	4,4'-DDT	360.	U
72-43-5	Methoxychlor	1800.	U
53494-70-5	Endrin ketone	360.	U
7421-93-4	Endrin aldehyde	360.	U
5103-71-9	alpha-Chlordane	180.	U
5103-74-2	gamma-Chlordane	180.	U
8001-35-2	Toxaphene	18000.	U
12674-11-2	Aroclor-1016	3600.	U
11104-28-2	Aroclor-1221	7300.	U
11141-16-5	Aroclor-1232	3600.	U
53469-21-9	Aroclor-1242	3600.	U
12672-29-6	Aroclor-1248	3600.	U
11097-69-1	Aroclor-1254	59000.	D
11096-82-5	Aroclor-1260	3600.	U



Data File: >03219::G3 Quant Output File: ^03219::F3
Name: 238537 X100 Instrument ID: GC03
Misc: DB608, 30M X .53m INST 58903, 1ul INJ

Id File: IDCAP1::SC
Title: Capillary Column DB 608
Last Calibration: 941029 10:07 Last Qcal Time: 960702 00:13

Operator ID: TRFIL
Quant Time : 960709 19:18
Injected at: 960709 16:45

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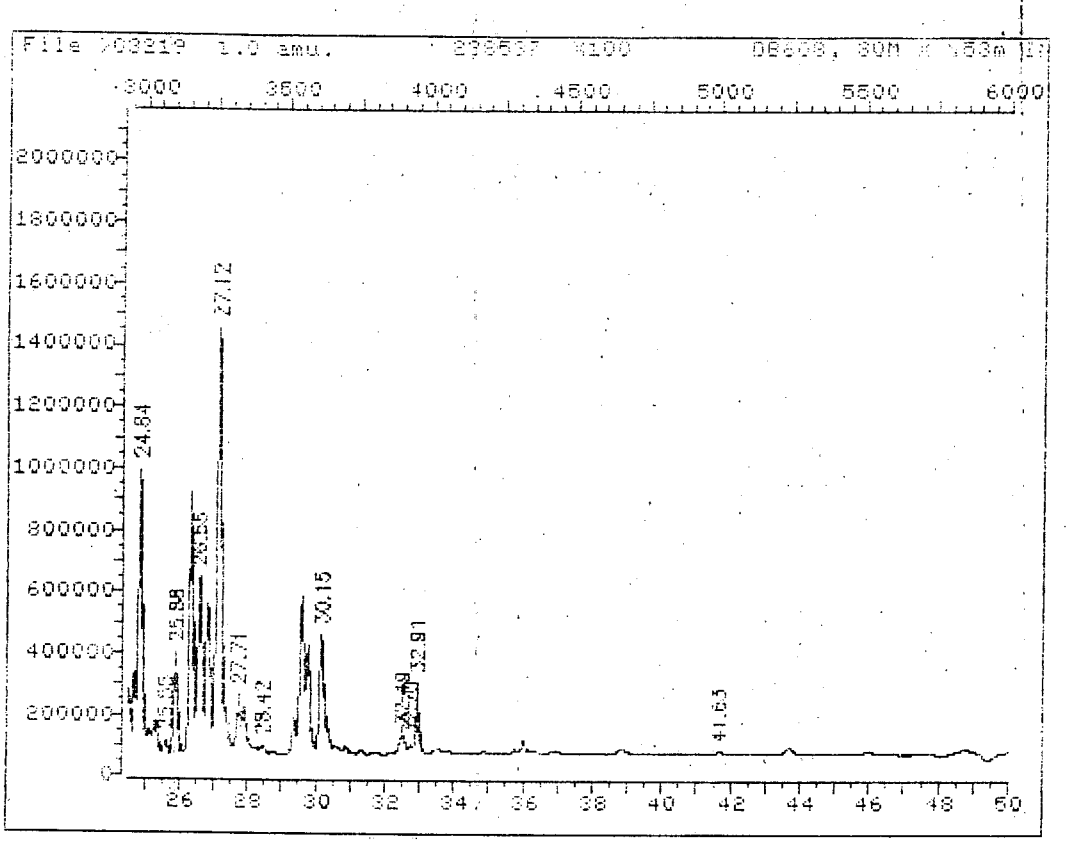

Data File: >03219::G3 Quant Output File: ^03219::F3
Name: 238537 X100 Instrument ID: GC03
Misc: DB608, 30M X .53m INST 58903, 1ul INJ

Id File: IDCAP1::SC
Title: Capillary Column DB 608
Last Calibration: 941029 10:07 Last Qcal Time: 960702 00:13

Operator ID: TRFIL
Quant Time : 960709 19:18
Injected at: 960709 16:45

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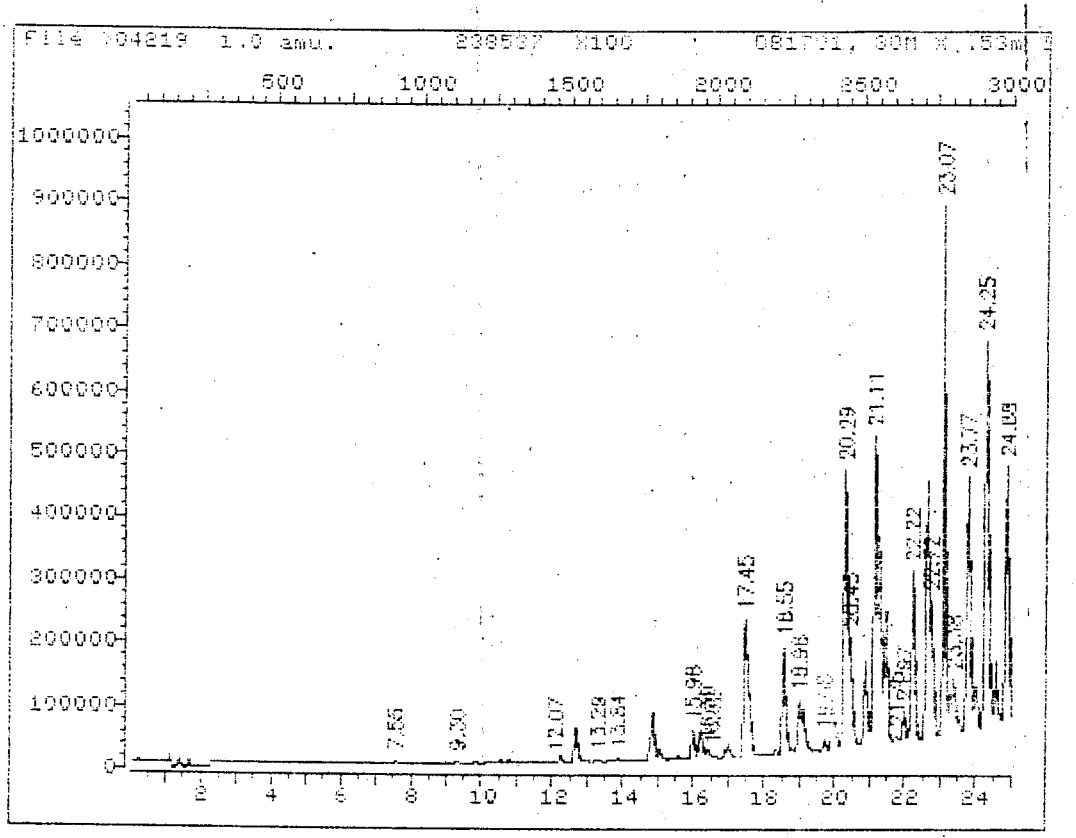
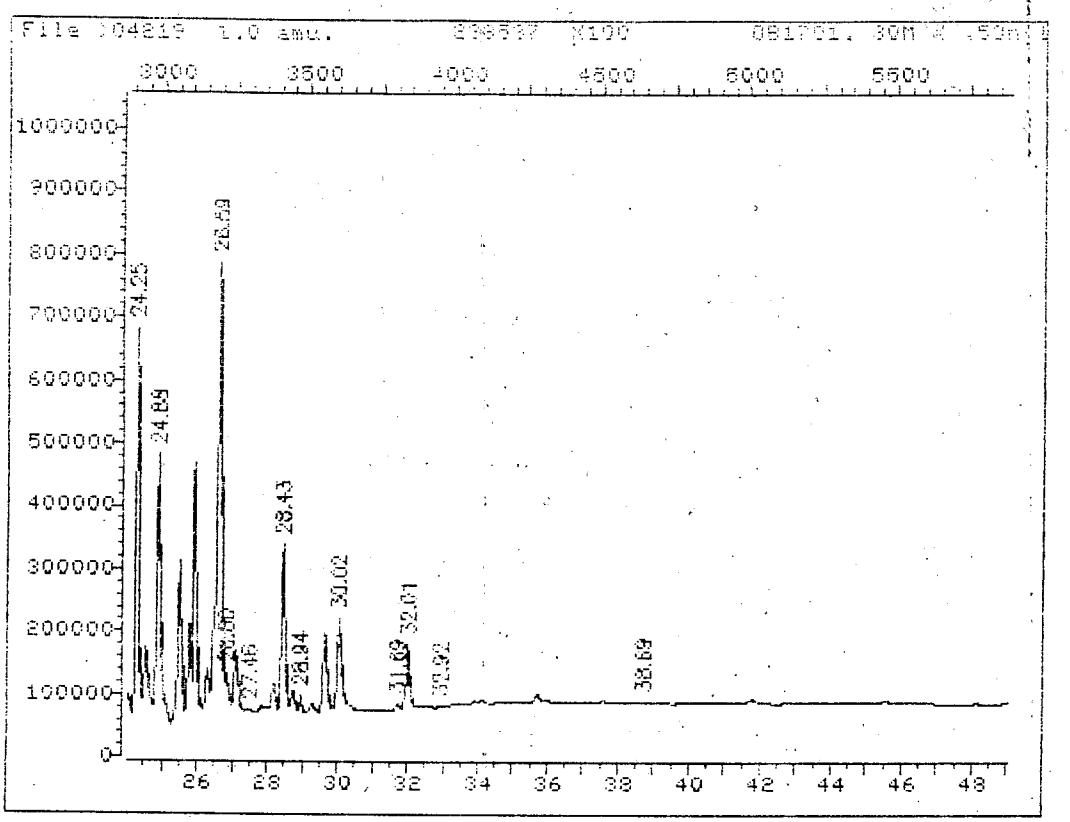


Data File: >04219::G1 Quant Output File: ^04219::F3
Name: 238537 X100 Instrument ID: GC04
Misc: DB1701. 30M X .53m INST 58905. 1ul INJ

Id File: IDCAP2::SC
Title: Capillary Column DB1701
Last Calibration: 941029 10:07 Last Qcal Time: 960701 21:23

Operator ID: TRFIL
Quant Time : 960709 19:16
Injected at: 960709 16:45

Page 1 of 2



Data File: >04219::G1 Quant Output File: ^04219::F3
Name: 238537 X100 Instrument ID: GC04
Misc: DB1701, 30M X .53m INST 58903, 1ul INJ

Id File: IDCAP2::SC
Title: Capillary Column DB1701
Last Calibration: 941029 10:07 Last Qcal Time: 960701 21:23

Operator ID: TRFIL
Quant Time : 960709 19:16
Injected at: 960709 16:45

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QUANT REPORT

Operator ID: TRFIL
Output File: >03219::F3
Data File: >03219::G3
Name: 238537 X100 SADL
Misc: DB608. 30M X .53m INST 58903. 1ul INJ

Quant Rev: 7
Quant Time: 960709 19:18
Injected at: 960709 16:45
Dilution Factor: 1.00000
Instrument ID: GC03

ID File: IDCAP1::SC
Title: Capillary Column DB 608
Last Calibration: 941029 10:07
Last Cal Time: 960702 00:13

	Compound	R.T.	Scan#	Area	Conc	Units	q
1)	#Tetrachloro-m-xylene	9.08	1090	56714	.453	ng/ml	100
2)	#~~alpha-BHC~~	12.47	1497	768337	5.19	ng/ml	100
3)	#~~beta-BHC~~	14.85	1782	350273	4.27	ng/ml	100
4)	#~~delta-BHC~~	16.68	2002	426690	3.53	ng/ml	100
5)	#~~gamma-BHC (Lindane)~~	14.42	1730	156896	1.15	ng/ml	100
6)	#~~Heptachlor~~	16.05	1926	1001124	12.83	ng/ml	100
7)	#~~Aldrin~~	17.39	2087	141270	1.05	ng/ml	100
8)	#~~Heptachlor epoxide~~	19.95	2394	1057076	9.62	ng/ml	100
9)	#~~Endosulfan I~~	21.73	2607	1736367	14.25	ng/ml	100
10)	#~~Dieldrin~~	23.01	2761	5323387	56.30	ng/ml	100
11)	#~~4,4' DDE~~	22.71	2725	3653004	39.93	ng/ml	100
12)	#~~Endrin~~	24.84	2981	6160645	71.98	ng/ml	100
13)	#~~Endosulfan II~~	25.88	3105	2275634	23.63	ng/ml	100
14)	#~~4,4' DDD~~	25.55	3066	251518	4.37	ng/ml	100
15)	#~~Endosulfan Sulfate~~	28.42	3410	199386	2.25	ng/ml	100
16)	#~~4,4'-DDT~~	27.12	3254	10447198	161.18	ng/ml	100
17)	#~~Methoxychlor~~	32.49	3898	711966	18.34	ng/ml	100
18)	#~~Endrin ketone~~	32.70	3924	179319	1.99	ng/ml	100
19)	#Decachlorobiphenyl	41.63	4996	138645	1.16	ng/ml	100
20)	#~~alpha Chlordane~~ NT	21.45	2574	3531519	25.72	ng/ml	100
21)	#~~gamma Chlordane~~ NT	20.84	2501	5994049	50.87	ng/ml	100
22)	#~~Toxaphene(1)~~ NP	23.86	2863	2166569	1350.96	ng/ml	100
23)	#~~Aroclor-1016(1)~~ NP	12.13	1456	138029	46.95	ng/ml	100
24)	#~~Aroclor 1221(1)~~ NP	8.07	969	156504	184.54	ng/ml	100
25)	#~~Aroclor 1232(1)~~ NP	12.13	1456	138029	48.18	ng/ml	100
26)	#~~Aroclor 1242(1)~~ NP	12.13	1456	138029	52.92	ng/ml	100
27)	#~~Aroclor 1248(1)~~ NP	16.05	1926	1105276	146.06	ng/ml	100
28)	#Aroclor-1254(1)	20.84	2501	5994049	1264.18	ng/ml	100
29)	#~~Aroclor-1260(1)~~ NP	24.40	2928	5140157	663.07	ng/ml	100
30)	#~~Endrin aldehyde~~ NT	27.71	3325	1410584	17.88	ng/ml	100
31)	#~~Toxaphene(2)~~ NP	27.71	3325	1597496	759.45	ng/ml	100
32)	#~~Toxaphene(3)~~ NP	28.42	3410	199386	79.77	ng/ml	100
34)	#~~Aroclor-1016(2)~~ NP	14.42	1730	156896	24.00	ng/ml	100
35)	#~~Aroclor-1016(3)~~ NP	16.05	1926	1105276	100.06	ng/ml	100
36)	#~~Aroclor-1016(4)~~ NP	16.68	2002	426690	114.25	ng/ml	100
37)	#~~Aroclor-1016(5)~~ NP	19.02	2282	2966371	873.06	ng/ml	100
38)	#~~Aroclor 1221(2)~~ NP	11.32	1358	113686	67.66	ng/ml	100
39)	#~~Aroclor 1221(3)~~ NP	12.13	1456	138029	36.17	ng/ml	100
40)	#~~Aroclor-1232(2)~~ NP	14.42	1730	156896	55.60	ng/ml	100
41)	#~~Aroclor 1232(3)~~ NP	16.05	1926	1105276	234.93	ng/ml	100

NT

EPMC
7/10/96

QUANT REPORT

Operator ID: TRFIL
Output File: ^03219::F3
Date File: >03219::G3
Name: 238537 X100
Misc: DB608, 30M X .53m INST 58903, 1ul INJ

Quant Rev: 7
Quant Time: 960709 19:18
Injected at: 960709 16:45
Dilution Factor: 1.00000
Instrument ID: GC03

ID File: IDCAP1::SC
Title: Capillary Column DB 608
Last Calibration: 941029 10:07
Last Qcal Time: 960702 00:13

	Compound	R.T.	Scan#	Area	Conc	Units	q
42)	#~~Aroclor-1232(4)~~ NP	16.68	2002	426690	247.82	ng/ml	100
43)	#~~Aroclor-1242(2)~~ NP	14.42	1730	156896	29.15	ng/ml	100
44)	#~~Aroclor-1242(3)~~ NP	16.05	1926	1105276	124.00	ng/ml	100
45)	#~~Aroclor-1242(4)~~ NP	16.68	2002	426690	134.90	ng/ml	100
46)	#~~Aroclor-1242(5)~~ NP	19.02	2282	2966371	992.44	ng/ml	100
47)	#~~Aroclor-1248(2)~~ NP	17.54	2105	2287809	877.11	ng/ml	100
48)	#~~Aroclor-1248(3)~~ NP	19.02	2282	2966371	714.33	ng/ml	100
49)	#~~Aroclor-1248(4)~~ NP	20.48	2457	2042999	421.65	ng/ml	100
50)	#~~Aroclor-1248(5)~~ NP	21.73	2607	1736367	314.94	ng/ml	100
51)	#Aroclor-1254(2)	21.14	2537	7696238	1388.74	ng/ml	100
52)	#Aroclor-1254(3)	22.71	2725	3653004	2265.57	ng/ml	100
53)	#Aroclor-1254(4)	23.53	2823	11360150	1871.19	ng/ml	100
54)	#Aroclor-1254(5)	24.84	2981	6160645	1718.15	ng/ml	100
55)	#~~Aroclor-1260(2)~~ NP	24.84	2981	6160645	879.54	ng/ml	100
56)	#~~Aroclor-1260(3)~~ NP	26.55	3186	4236358	811.52	ng/ml	100
57)	#~~Aroclor-1260(4)~~ NP	30.15	3618	2996021	277.29	ng/ml	100
58)	#~~Aroclor-1260(5)~~ NP	32.91	3949	1908573	345.69	ng/ml	100

Compound uses ESTD

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7/10/96

QUANT REPORT

Operator ID: TRFIL Quant Rev: 7 Quant Time: 960709 19:16
Output File: ^04219::F3 Injected at: 960709 16:45
Data File: ^04219::G1 Dilution Factor: 1.00000
Name: 238537 X100 Instrument ID: GC04
Misc: DB1701. 30M X .53m.INST 58903. 1ul INJ

ID File: IDCAP2::SC
Title: Capillary Column DB1701
Last Calibration: 941029 10:07 Last Qual Time: 960701 21:23

	Compound	R.T.	Scan#	Area	Conc	Units	q
1)	#Tetrachloro-m-xylene	9.30	1116	19819	.479	ng/ml	100
2)	~~#alpha-BHC~~	13.29	1595	10845	.331	ng/ml	100
3)	~~#beta-BHC~~	18.55	2226	1122038	42.70	ng/ml	100
4)	~~#delta-BHC~~	19.68	2361	117245	4.81	ng/ml	100
6)	~~#Heptachlor~~	16.39	1967	41648	.878	ng/ml	100
7)	~~#Aldrin~~	17.45	2094	1999681	53.10	ng/ml	100
8)	~~#Heptachlor epoxide~~	20.43	2451	1028482	23.55	ng/ml	100
9)	~~#Endosulfan~~ I	21.75	2610	43618	1.22	ng/ml	100
10)	~~#Dieldrin~~	23.38	2805	393135	12.11	ng/ml	100
11)	~~#4,4'-DDE~~ NT	22.72	2726	1148611	41.38	ng/ml	100
12)	~~#Endrin~~	24.25	2910	4340633	149.74	ng/ml	100
13)	~~#Endosulfan~~ II	26.80	3216	365747	10.22	ng/ml	100
14)	~~#4,4'-DDD~~	26.59	3191	5265725	249.20	ng/ml	100
16)	~~#4,4'-DDT~~	27.46	3295	46602	2.83	ng/ml	100
18)	~~#Endrin ketone~~	32.92	3950	11449	.407	ng/ml	100
19)	#Decachlorobiphenyl	38.69	4643	28077	.601	ng/ml	100
20)	~~#alpha-Chlordane~~ NT	22.22	2666	1654659	39.68	ng/ml	100
21)	~~#gamma-Chlordane~~ NT	21.97	2636	249616	6.25	ng/ml	100
23)	~~#Aroclor-1016(1)~~ NP	12.07	1449	5364	4.34	ng/ml	100
24)	~~#Aroclor-1221(1)~~ NP	7.55	906	26181	33.11	ng/ml	100
25)	~~#Aroclor-1232(1)~~ NP	7.55	906	26181	21.99	ng/ml	100
26)	~~#Aroclor-1242(1)~~ NP	12.07	1449	5364	5.07	ng/ml	100
27)	~~#Aroclor-1248(1)~~ NP	13.84	1661	31101	28.24	ng/ml	100
28)	#Aroclor-1254(1)	17.45	2094	1998976	1258.29	ng/ml	100
29)	~~#Aroclor-1260(1)~~ NP	23.77	2852	2737032	1184.69	ng/ml	100
30)	~~#Endrin aldehyde~~ NT	28.94	3472	195594	6.44	ng/ml	100
31)	~~#Toxaphene(2)~~ NP	28.43	3411	1858661	2578.82	ng/ml	100
33)	~~#Toxaphene(4)~~ NP	31.69	3803	78092	155.63	ng/ml	100
34)	~~#Aroclor-1016(2)~~ NP	13.84	1661	31101	12.72	ng/ml	100
35)	~~#Aroclor-1016(3)~~ NP	15.98	1918	270664	69.77	ng/ml	100
36)	~~#Aroclor-1016(4)~~ NP	16.52	1983	22408	15.39	ng/ml	100
37)	~~#Aroclor-1016(5)~~ NP	18.55	2226	1122038	544.50	ng/ml	100
39)	~~#Aroclor-1221(3)~~ NP	12.07	1449	5364	3.13	ng/ml	100
40)	~~#Aroclor-1232(2)~~ NP	12.07	1449	5364	4.58	ng/ml	100
41)	~~#Aroclor-1232(3)~~ NP	13.84	1661	31101	30.20	ng/ml	100
42)	~~#Aroclor-1232(4)~~ NP	15.98	1918	270664	173.26	ng/ml	100
43)	~~#Aroclor-1242(2)~~ NP	13.84	1661	31101	15.66	ng/ml	100
44)	~~#Aroclor-1242(3)~~ NP	15.98	1918	270664	87.79	ng/ml	100
45)	~~#Aroclor-1242(4)~~ NP	16.52	1983	22408	19.60	ng/ml	100
46)	~~#Aroclor-1242(5)~~ NP	17.45	2094	1998976	2526.38	ng/ml	100

E Price
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Operator ID: TRFIL Quant Rev: 7 Quant Time: 960709 19:16
Output File: ^04219::F3 Injected at: 960709 16:45
Data File: >04219::G1 Dilution Factor: 1.00000
Name: 238537 X100 Instrument ID: GC04
Misc: DB1701, 30M X .53m INST 58903, 1ul INJ

ID File: IDCAP2::SC
Title: Capillary Column DB1701
Last Calibration: 941029 10:07 Last Qcal Time: 960701 21:23

	Compound	R.T.	Scan#	Area	Conc	Units	q
47)	~~#Aroclor-1248(2)~~ ND	15.98	1918	270664	103.61	ng/ml	100
48)	~~#Aroclor-1248(3)~~ ND	18.55	2226	1122038	455.43	ng/ml	100
49)	~~#Aroclor-1248(4)~~ ND	18.98	2277	457143	258.95	ng/ml	100
50)	~~#Aroclor-1248(5)~~ ND	20.29	2435	2890292	3011.35	ng/ml	100
51)	#Aroclor-1254(2)	20.29	2435	2890292	1421.58	ng/ml	100
52)	#Aroclor-1254(3)	21.11	2533	2626097	1431.89	ng/ml	100
53)	#Aroclor-1254(4)	23.07	2768	5299079	2078.31	ng/ml	100
54)	#Aroclor-1254(5)	23.77	2852	2737032	2018.07	ng/ml	100
55)	~~#Aroclor-1260(2)~~ ND	24.88	2985	3294955	1213.56	ng/ml	100
56)	~~#Aroclor-1260(3)~~ ND	28.43	3411	1865174	1050.90	ng/ml	100
57)	~~#Aroclor-1260(4)~~ ND	30.02	3602	1316531	334.86	ng/ml	100
58)	~~#Aroclor-1260(5)~~ ND	32.01	3841	939974	378.50	ng/ml	100

Compound uses ESTD

EPuci
7/10/96

QUANT REPORT

Operator ID: GT0101 Quant Rev: 7 Quant Time: 960708 18:19
Output File: ^F5520::QT Injected at: 960708 17:40
Data File: >F5520::F1 Dilution Factor: 1.00000
Name: INST 59704 SAMPLE Instrument ID: INST F
Misc: 238537 ,30m SPB-5 CAP COLUMN BTL# 4

ID File: IDPEST::SC
Title: CLP PESTICIDE CONFIRMATION FILE
Last Calibration: : Last Qcal Time: 960705 12:13

	Compound	R.T.	Q ion	Area	Conc	Units	q
1)	*Phenanthrene-d10	19.91	188.0	62403	40.00	UG/ML	100
21)	Methoxychlor	26.96	227.0	721	.285	UG/ML	72

* Compound is ISTD