Huff & Huff, incorporated
environmental engineers
and consultants

512 W. Burlington Avenue, Suite 100
LaGrange, IL 60525
Phone: (708) 579-5940
Fax: (708) 579-3526
Website: http://huffnhuff.com

October 25, 2002

Mr. Ken Zolnierczyk
U.S. Environmental Protection Agency
Mail Code DT-85
77 West Jackson Blvd.
Chicago, IL 60604

Re: Former Kunkle Foundry
Andrews, IN

Dear Mr. Zolnierczyk:

Thank you for discussing the PCB matter at the above site with me on October 16, 2002. As you requested, this letter has been prepared to summarize the remedial efforts completed to date at this site, and to outline the proposed work to complete the verification sampling.

BACKGROUND

Figure 1 depicts the location of the former Kunkle Foundry in Andrews, Indiana, and Figure 2 depicts the site layout of the former Kunkle Foundry.

This foundry, located at 407 California Street in Andrews, was closed in approximately 2000. Huff & Huff was retained in 2001 to conduct limited soil samples beneath and adjacent to a former liquid filled transformer, which had been removed in 1996, by others. Figure 3 depicts the initial sample locations and Table 1 presents the analytical results from these initial borings. The two soil borings within the cinder block building contained elevated PCBs, which extended outside the building at the 4 to 5.5 ft depth, just above the water table. Beneath the former transformer, predominantly stiff silty clay soils were encountered.

REMEDIAL EFFORTS AND ANALYTICAL RESULTS

On March 20, 2002, Huff & Huff mobilized to the site to oversee the removal of PCB impacted soils from the area. The cinder block building had been demolished just prior to this date.

Initially two loads were excavated, one load of 14 tons and one load of 16 tons, beneath the area of borings SB-201 and SB-202, and the soils transported to Wayne Disposal, Inc. Site #2 Landfill in Bellevue, Michigan as PCB contaminated soil.

Then, 42.5 tons were excavated and shipped off to Wabash Valley Landfill as soil containing PCB's. Manifests are included in Appendix B.

At the completion of this work, six samples were collected and analyzed for PCBs. The analytical sheets are presented in Appendix C, and are summarized below:

Location	March 20, 2002 PCBs, mg/kg [a/]
North Wall	1.66
East Wall	14.92
South Wall	0.18
West Wall	9.46
East Floor	21.15
West Floor	0.06

[a/] Only PCB detected was Aroclor 1260.

Based on these results, Huff & Huff remobilized to the site on July 18, 2002. Prior to excavating more soil, 10,000-gal. of water was pumped from the excavation and into 4 – 2,500 gallon tanks. This pumping was insufficient to completely dewater the excavation as water continued to seep into the excavation. Soil was excavated from the north wall, east wall, west wall and east floor area. Water was drained from each bucket prior to landfilling the material.

An additional 60.45 tons were excavated and landfilled at Wabash Valley Landfill during this excavation round. Four new samples were collected with the following results;

Location	July 18, 2002 PCBs, mg/kg [a/]
North Wall	0.32
East Wall	1.64
West Wall	4.16
East Floor	<0.06

[a/] Only PCB detected was Aroclor 1260.

Further excavation to the east and west walls is constrained. A concrete slab, 9'x6'x2', hinders excavation to the west. The main electrical feed for the building is enclosed in a concrete block addition to the east of the excavation.

Figure 4 depicts the final excavation and the final soil sample locations. The final dimensions were 22 ft east-to-west, 16 ft north-to-south, and 8 ft deep on the west side and 9 ft deep on the east side. Based on the two rounds of samples, Table 2 presents the PCB concentrations remaining at the site.

After the excavation activities were completed the water in the tanks was tested, and found to contain 0.124 mg/L PCBs. This water was disposed of by Safety Kleen. A total of 10,000 gallons were removed.

PROPOSED ADDITIONAL ACTIVITY

The subject area is a low-occupancy area, and all final excavation samples meet the 25 ppm PCB level. What is not achieved is 1 mg/kg along the east and west wall, so the area above 1 mg/kg has not been fully defined. The client is prepared to impose a deed restriction identifying the subject area as low-occupancy. The excavation was less than 400 sq ft, so 19 soil samples are proposed. Figure 5 depicts the excavation and five proposed soil borings. Soil samples from each of the five soil borings will be collected from the following depth intervals:

0-1.5 ft
1.5-3.0 ft
3.0-4.5 ft
4.5-6.0 ft

Thus, four samples will be collected from each of five borings, or 20 samples total to verify the extent above 1 mg/kg remaining. Each of the 20 samples will be analyzed for PCBs, following chain-of-custody procedures. A field blank sample will be collected and analyzed to assure the equipment has not been contaminated. In addition one sample will be collected in duplicate. Documentation will be maintained in a log book, along with the Chain-of-Custody, and a report on results will be prepared.

CLOSURE

I apologize for failing to give 30-day notice to the Agency prior to initiation of the remedial effort. This was an oversite on my part. This letter is intended to serve notice that we will proceed with this work the first week in December, subject to any comments we receive. Thank you for your assistance.

Sincerely,

James E. Huff, P.E.

cc: K. Knauss
R:\TYCO\Kunkle\PCB Notification Ltr.doc

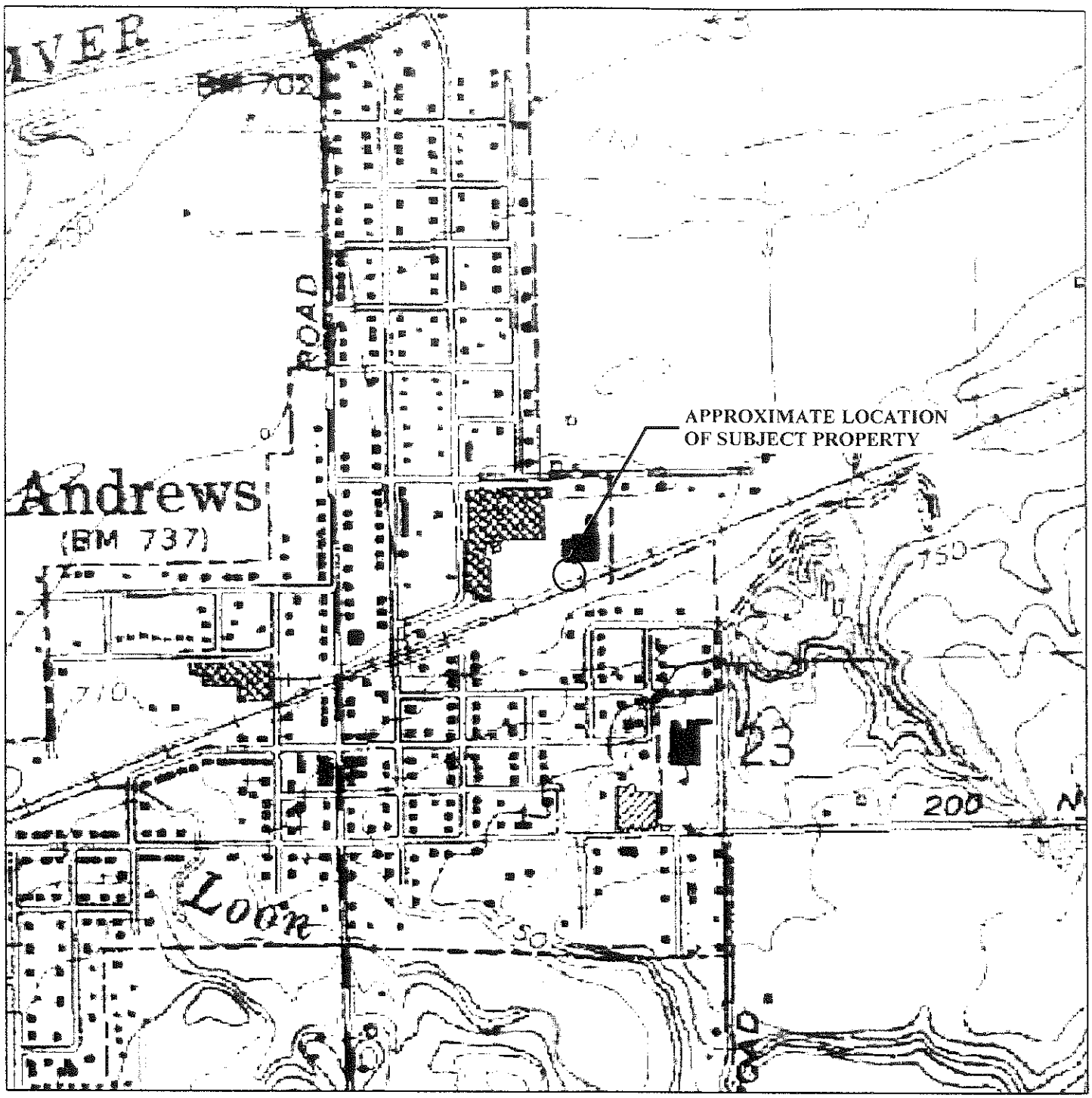


FIGURE 1
SITE LOCATION MAP
FORMER KUNKLE FOUNDRY SITE
ANDREWS, INDIANA

NORTH

0 .25 MILES

SOURCE: UNITED STATES DEPARTMENT OF THE INTERIOR, GEOLOGICAL SURVEY

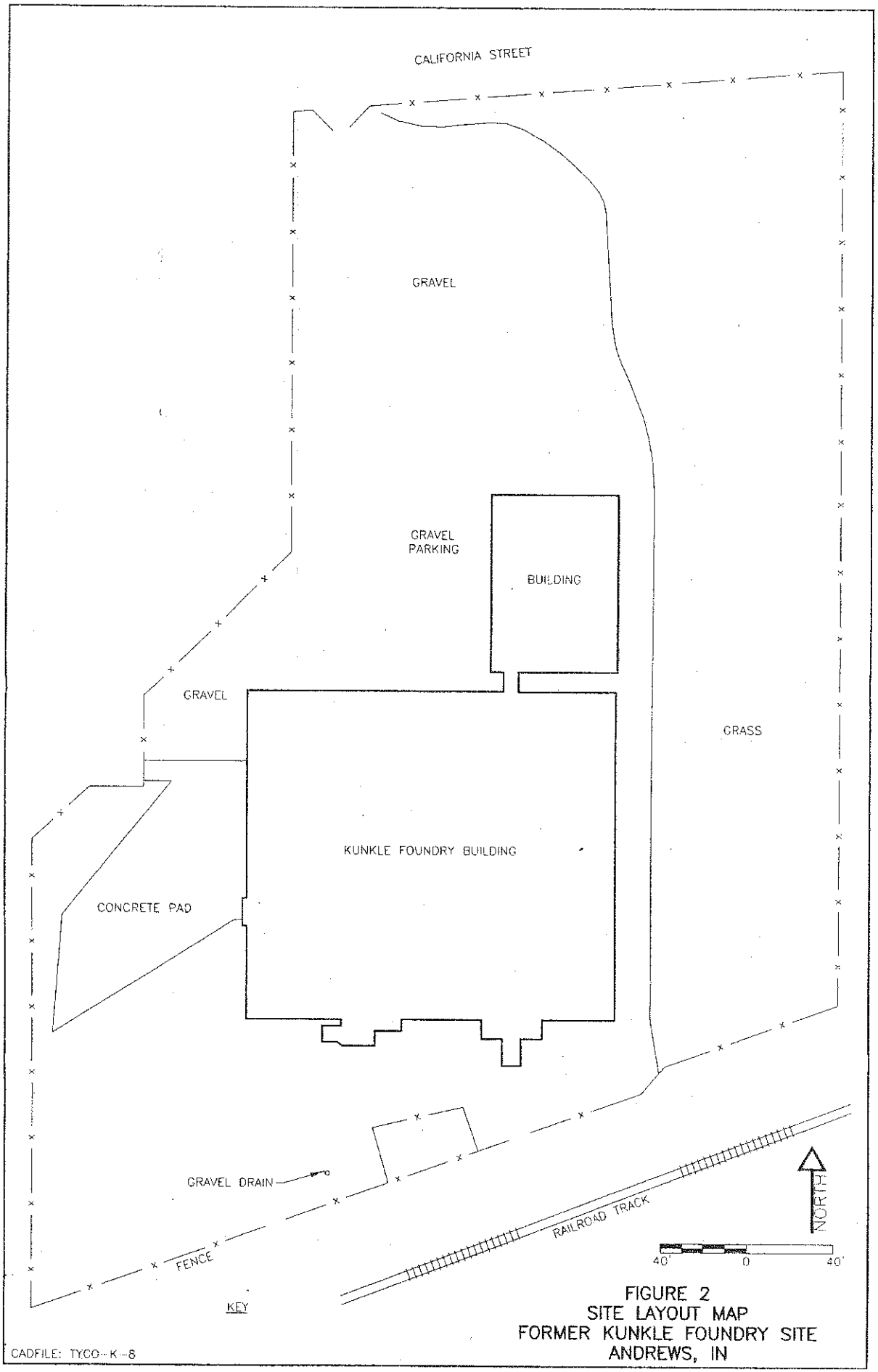


FIGURE 2
SITE LAYOUT MAP
FORMER KUNKLE FOUNDRY SITE
ANDREWS, IN

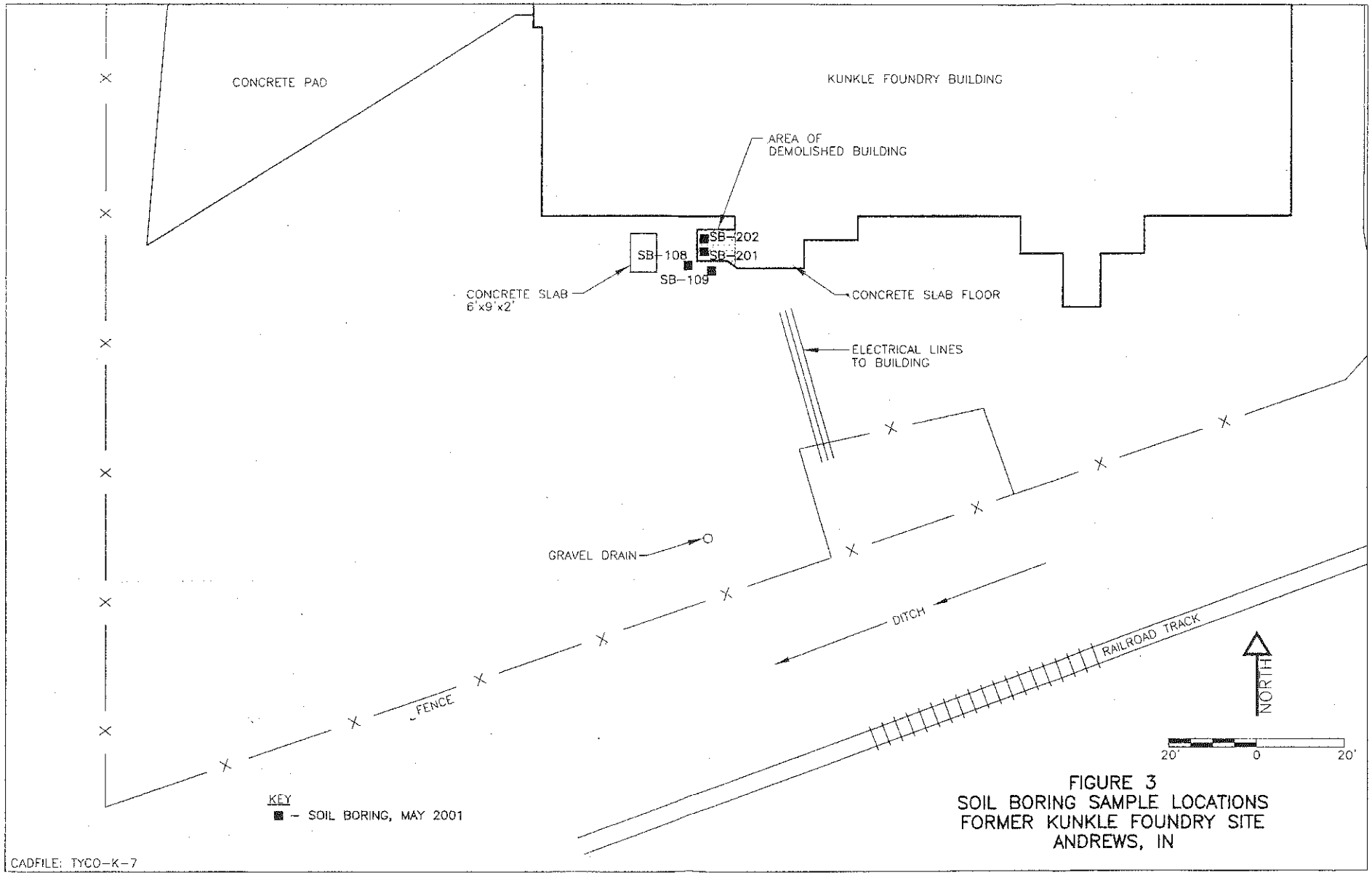


FIGURE 3
SOIL BORING SAMPLE LOCATIONS
FORMER KUNKLE FOUNDRY SITE
ANDREWS, IN

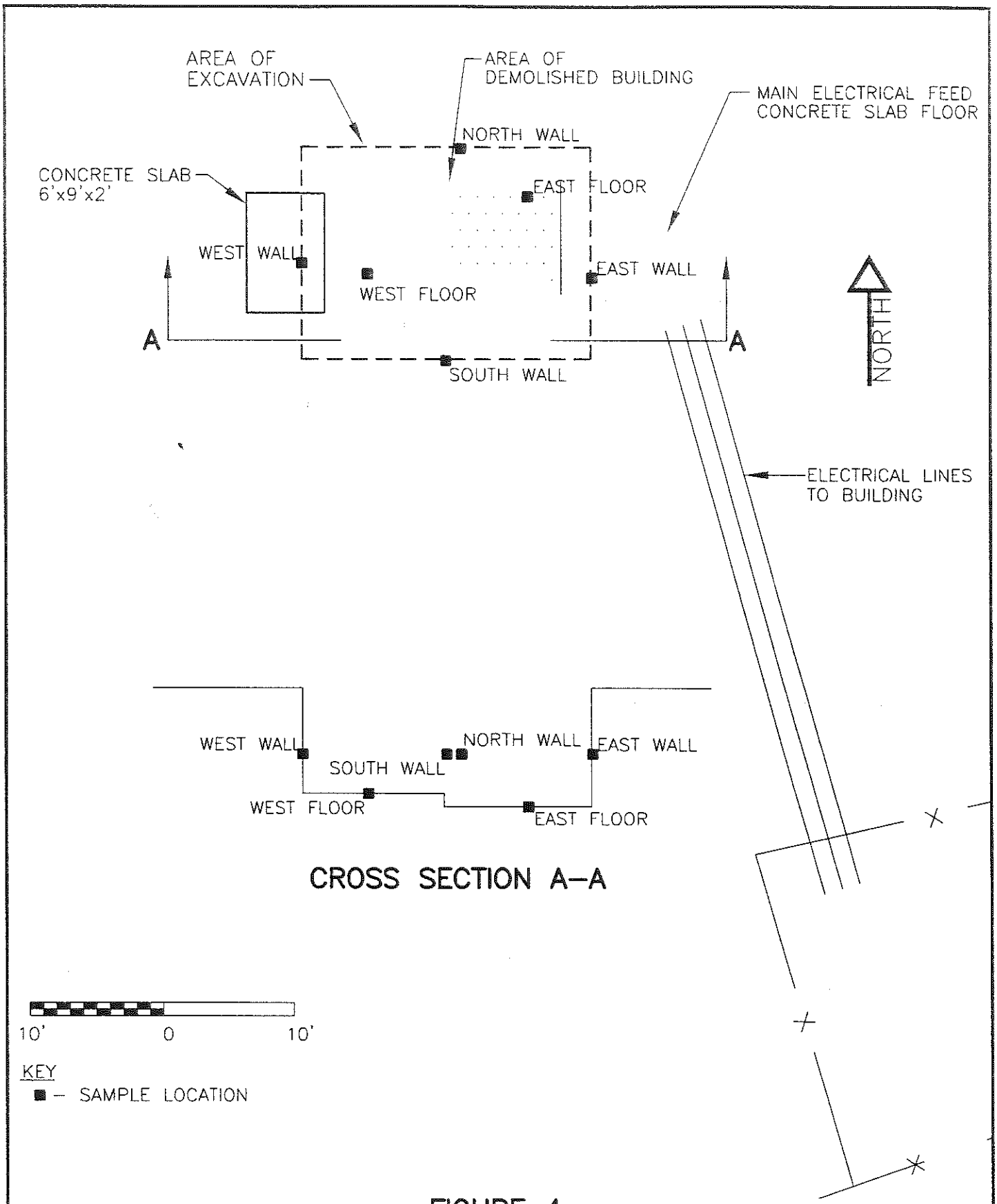


FIGURE 4
AREA OF EXCAVATION WITH CROSS SECTION
FORMER KUNKLE FOUNDRY SITE
ANDREWS, IN

CADFILE: TYCO–K–9

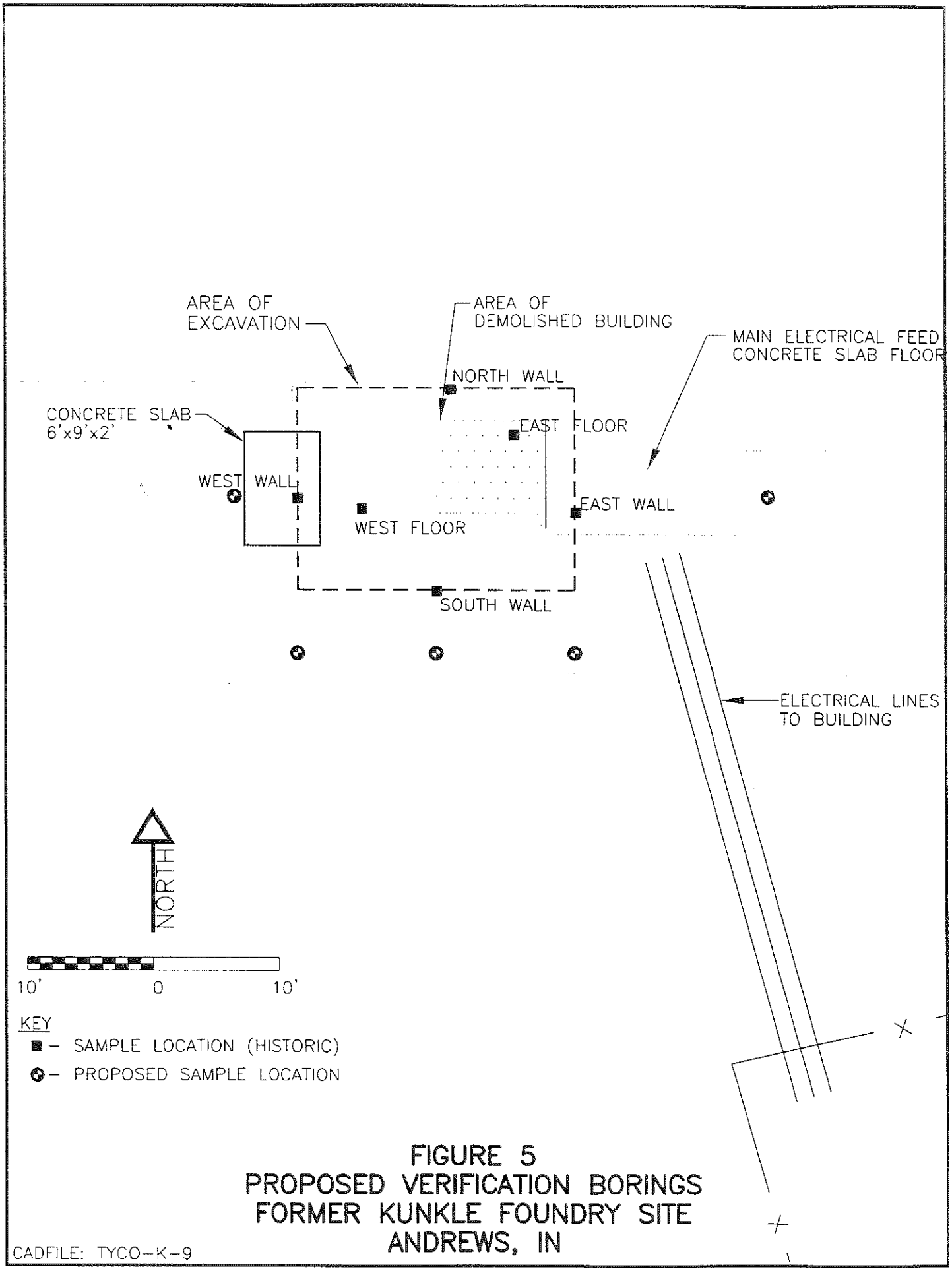


FIGURE 5
PROPOSED VERIFICATION BORINGS
FORMER KUNKLE FOUNDRY SITE
ANDREWS, IN

CADFILE: TYCO-K-9

TABLE 1
FORMER KUNKLE FOUNDRY
POLYCHLORINATED BIPHENYLS RESULTS
10-May-01

Boring	Depth, ft	PCBs, mg/kg [a/]
SB-108	4-5.5 [b/]	19.1
SB-109	3-4	0
SB-201	0-1	222.0
	1-2	10.2
	2-3	2.3
	3-4	1.7
	4-5, [b/]	110.0
	5-6	27.7
SB-202	0-3	234.3

[a/] The only PCBs detected was 1260.
[b/] At water table.

TABLE 2
FORMER KUNKLE FOUNDRY
FINAL POLYCHLORINATEDBIPHENYLS RESULTS

Location	Sample Date	PCBs, mg/kg [a/]
North Wall	7/18;02	0.32
East Wall	7/18/02	1.64
South Wall	3/20/02	0.18
West Wall	7/18/02	4.16
East Floor	7/18/02	<0.06
West Floor	3/20/02	0.06

[a/] Only PCB detected was Aroclor 1260

A

HUFF & HUFF, Inc.

ENVIRONMENTAL CONSULTANTS

Log of Soil Boring No.: SB- 108

File No.:

5.5'	WATER LEVEL DATA	Time Started:	
None	Ft WHILE DRILLING	Time Completed:	
None	Ft AT COMPLETION	Driller:	SCS Environmental Contracting, Inc.
None	Ft AT_____ HRS.	Engineer:	James E. Huff, Inc.
	AFTER DRILLING	Location:	Former Kunkle Foundry
			Andrews, Indiana
		Conditions:	

Client: Tyco International, Inc.

Date: 05-10-01

Pg. 1 of 1

BELOW GROUND SURFACE	GRAPHICS	SOIL DESCRIPTION	SAMPLE	SAMPLE DATA: PID 10.2 (eV)	REC. (inches)	MOISTURE CONTENT	ODOR
1.0		No Recovery					
2.0							
3.0							
4.0		Gray silty clay		9	42"		none
5.0		4" of silt with gravel					
		6" Gravelly silt				moist	
6.0		8" of silty gravel				wet	
7.0							

NOTES:

HUFF & HUFF, Inc.

ENVIRONMENTAL CONSULTANTS

Log of Soil Boring No.: SB- 109

File No.:

None	WATER LEVEL DATA	Time Started:	Client: Tyco International, Inc.
None	Ft WHILE DRILLING	Time Completed:	Date: 05-10-01
None	Ft AT COMPLETION	Driller: SCS Environmental Contracting, Inc.	
None	Ft AT____ HRS.	Engineer: James E. Huff, Inc.	
	AFTER DRILLING	Location: Former Kunkle Foundry	
Pg. 1 of 1		Andrews, Indiana	
		Conditions:	

BELOW GROUND SURFACE	GRAPHICS	SOIL DESCRIPTION	SAMPLE	SAMPLE DATA PID 10.2 (eV)	REC. (inches)	MOISTURE CONTENT	ODOR
1.0		No Recovery					
2.0							
3.0		Silty Clay			6"	Dry	None
4.0							

Refusal at 4', two borings attempted

NOTES:

HUFF & HUFF, Inc.

ENVIRONMENTAL CONSULTANTS

Log of Soil Boring No.: SB- 201

File No.:

5'	WATER LEVEL DATA	Time Started:	
None	Ft WHILE DRILLING	Time Completed:	
None	Ft AT COMPLETION	Driller:	SCS Environmental Contracting, Inc.
None	Ft AT_____ HRS.	Engineer:	James E. Huff, Inc.
	AFTER DRILLING	Location:	Former Kunkle Foundry
			Andrews, Indiana
		Conditions:	

Client: Tyco International, Inc.

Date: 05-10-01

Pg. 1 of 1

BELOW GROUND SURFACE	GRAPHICS	SOIL DESCRIPTION	SAMPLE	SAMPLE DATA: PID 10.2 (eV)	REC. (inches)	MOISTURE CONTENT	ODOR
1.0		Gray silty clay			24		
2.0		Gray silty clay with black streaks					
3.0		Gray silty clay, with less black streaks			24	dry	none
4.0		Gray silty clay, stiff, mottled brown					
5.0		Silty clay with gravel			24		
6.0		Gray silty gravel				wet	

NOTES:

HUFF & HUFF, Inc.

ENVIRONMENTAL CONSULTANTS

Log of Soil Boring No.: **SB-202**

File No.: Tyco Kunkle

None	WATER LEVEL DATA	Time Started:	
None	Ft WHILE DRILLING	Time Completed:	
None	Ft AT COMPLETION	Driller:	SCS Environmental Contracting, Inc.
None	Ft AT_____ HRS.	Engineer:	James E. Huff, Inc.
	AFTER DRILLING	Location:	Former Kunkle Foundry
			Andrews, Indiana
		Conditions:	

Client: Tyco International, Inc.

Date: 05-10-01

BELOW GROUND SURFACE	GRAPHICS	SOIL DESCRIPTION	SAMPLE	SAMPLE DATA: PID 10.2 (eV)	REC. (inches)	MOISTURE CONTENT	ODOR
1.0		Gray clayey silt trace sand					
2.0		Gray clayey silt turns to black silty clay					
3.0		Black silty clay					

Refusal at 3', three borings attempted

Notes: Excel-SB-202

WASTE MANAGEMENT DIVISION
MICHIGAN DEPARTMENT OF
ENVIRONMENTAL QUALITY

DO NOT WRITE IN THIS SPACE
ATT. ☐ DIS. ☐ REJ. ☐ PR. ☐

Required under authority of Part 111 and Part 121 of Act 451, 1994, as amended.

Failure to file may subject you to criminal and/or civil penalties under Sections 324.11151 or 324.12116 MCL.

B

Please print or type.

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. IND 064 708845
Manifest Document No. 00000
2. Page 1 of
Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
Site: Former Kunkle Foundry
407 E. California
Andrews, IN 46702
Mailing Address:
Tyco International
3121 Butterfield Road
Oak Brook, IL 60523

4. Generator's Phone 630-574-2006

A. State Manifest Document Number MI 8212732
B. State Generator's ID

5. Transporter 1 Company Name
A-Cam Transport Services, Inc.
6. US EPA ID Number IND 984957956
C. State Transporter's ID
D. Transporter's Phone 260-745-6322

7. Transporter 2 Company Name
8. US EPA ID Number
E. State Transporter's ID
F. Transporter's Phone

9. Designated Facility Name and Site Address
Wayne Disposal, Inc. Site #2 Landfill
49350 N. I-94 Service Drive
Belleville, MI 48111
10. US EPA ID Number MID 048090633
G. State Facility's ID
H. Facility's Phone 800-592-5489

11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID NUMBER).	HM		12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a.	X	Polychlorinated Biphenyls, Solid, 9, UN2315,PG II	1	DT	~~18800~~ 12672 DMG	K	~~PB1~~ DMG
b.							
c.							
d.							

J. Additional Descriptions for Materials Listed Above
PCB Contaminated Soil, Less Than 500 mg/kg PCBs
Storage Start Date: 3/20/02
Unique Container Number: 00001
APPROVAL CODE: 031302PAE DMG

K. Handling Codes
a
b
c
d

15. Special Handling Instructions and Additional Information
Emergency Contact: James E. Huff 708-579-5940 or after hours 708-352-0950

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR; if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

GENERATOR

Printed/Typed Name | Signature | Date Month Day Year

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name | Signature | Date Month Day Year

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name | Signature | Date Month Day Year

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name | Signature | Date Month Day Year

ALL SPILLS MUST BE REPORTED TO THE MICHIGAN POLLUTION EMERGENCY ALERTING SYSTEM, IN MICHIGAN AT 1-800-292-4706 OR OUT OF STATE AT 517-373-7660 AND THE NATIONAL RESPONSE CENTER AT 1-800-424-8802 24 HOURS PER DAY.

EPA Form 8700-22 (Rev. 9/88)

EQP 5110 Rev. 5/00

GENERATOR 1st COPY

WASTE MANAGEMENT DIVISION
MICHIGAN DEPARTMENT OF
ENVIRONMENTAL QUALITY

DO NOT WRITE IN THIS SPACE
ATT. ☐ DIS. ☐ REJ. ☐ PR. ☐

Required under authority of Part 111 and Part 121 of Act 451, 1994, as amended.

Failure to file may subject you to criminal and/or civil penalties under Sections 324.11151 or 324.12116 MCL.

Please print or type

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. IMD 054 708845
Manifest Document No. 00002
2. Page 1 of

Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
Site: Former Kunkle Foundry
407 E. California
Andrews, IN 46702
Mailing Address:
Tyco International
3121 Butterfield Road
Oak Brook, IL 60523

4. Generator's Phone 630-574-2006

A. State Manifest Document Number MI 8212736
B. State Generator's ID

5. Transporter 1 Company Name
K-Con Transport Services, Inc.
6. US EPA ID Number IMD 984957556
C. State Transporter's ID
D. Transporter's Phone 281-745-6322

7. Transporter 2 Company Name
8. US EPA ID Number
E. State Transporter's ID
F. Transporter's Phone

9. Designated Facility Name and Site Address
Wayne Disposal, Inc. Site #2 Landfill
49350 N. I-94 Service Drive
Belleville, MI 48111
10. US EPA ID Number MID 048090633
G. State Facility's ID
H. Facility's Phone 800-592-5489

	11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID NUMBER). HM		12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a.	X	Polychlorinated Biphenyls, Solid, 9, UN2315,PG II	1	DT	~~18800~~ DMK 1438	K	PB1 DMK
b.							
c.							
d.							

J. Additional Descriptions for Materials Listed Above
PCB Contaminated Soil, Less Than 500 mg/kg PCBs
Storage Start Date: 3/20/02
Unique Container Number: 00002
APPROVAL CODE: 031302PAE DMK

K. Handling Codes
a
b
c
d

15. Special Handling Instructions and Additional Information
Emergency Contact: James E. Huff 708-579-5940 or after hours 708-352-0950

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR; if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

GENERATOR

Printed/Typed Name | Signature | Date Month Day Year

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name | Signature | Date Month Day Year

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name | Signature | Date Month Day Year

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name | Signature | Date Month Day Year

ALL SPILLS MUST BE REPORTED TO THE MICHIGAN POLLUTION EMERGENCY ALERTING SYSTEM, IN MICHIGAN AT 1-800-292-4706 OR OUT OF STATE AT 517-373-7660 AND THE NATIONAL RESPONSE CENTER AT 1-800-424-8802 24 HOURS PER DAY.

EPA Form 8700-22 (Rev. 9/88)

GENERATOR 1st COPY

EQP 5110 Rev. 5/00

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

CUSTOMER		TRUCK	[illegible]
[illegible]		UNIT	
[illegible] WEST [illegible] AVE		GENERATOR	[illegible]
LAGRANGE	[illegible]		KUNKLE C-SOIL
	[illegible]	ORIGIN	[illegible] HUNTINGTON CO, IN.
GROSS WEIGHT	[illegible]460	MEASURED VOLUME	[illegible].00
TARE WEIGHT	27720 S		
NET WEIGHT	39740	TIME IN 11:58:21	TIME OUT [illegible]
NET TONS	19.87	OPERATOR AMANDA	
WASTE CODE	202045	WASTE NAME	KUNKLE C-SOIL
DISPOSAL PRICE	$28.00/ton	DISPOSAL CHGE.	$556.36
		FEES	$39.75
		TOTAL CHARGE	$596.11

CONT SOILDRIVER [signature]

REPUBLIC SERVICES, INC.

SPECIAL WASTE DISPOSAL NOTIFICATION / MANIFEST

GENERATOR INFORMATION

Generator Name: Former Kunkle Foundry
Mailing Address: Tyco International, Inc.
3121 Butterfield Road
Oak Brook, Il 60523
Generator Contact: Kristin Knauss

Generation Location: 407E. California, Andrews, In 46702
County: Huntington
Date of Spill/Clean-out: ~~3/13/02~~ 3/20/02 DMG
Generator Phone: (630) 574-2275

Consultant/Contractor: Huff & Huff, Inc.
Consultant/Contractor Phone: (708) 579-5940
Consultant/Contractor Address: 512 W. Burlington Ave., LaGrange, Il 60525

Waste Name / Material Spilled	Republic Services Approval #	Expiration Date	Volume/ Weight
Soil Containing PCB's	202045	2/14/03	15 cu yd

Attach additional sheet if necessary

I hereby certify that the above information is true and accurate to the best of my knowledge. I also certify that no changes have been made to any relevant raw material or to the waste genererating process, since the last shipment of the waste.

on behalf of Kunkle

Kristin Knauss — Name(print or type)
Signature
Date(MM/DD/YY)

TRANSPORTER INFORMATION

Company Name: SCS
Address: 2100 GOSHEN RD
FORT WAYNE, IN
Contact: MARK MATSON
Phone: (260) 483-3354

I certify no hazardous waste or other regulated substance was knowingly introduced to the waste while in my custody. The waste transported in this vehicle is the waste identified above to the best of my knowledge.

Andy Amick — Driver's Name(print or type)
Signature
3-20-02 — Date(MM/DD/YY)

DISPOSAL SITE INFORMATION

Site Name: Wabash Valley
Operating Number: 85
Qty Received: 19.87 Tons

Dave Blair — Name(print or type)
Signature
3-20-02 — Date(MM/DD/YY)

Form REP-03
Revised 12/00

White: Landfill Yellow: Special Waste Coordinator Pink: Generator

[illegible]

[illegible]

CUSTOMER	[illegible]	TRUCK	SCS TI
[illegible]		GRID	
512 WEST BURLINGTON AVE		GENERATOR	202045
LAGRANGE, IL 60525			KUNKLE C-SOIL
	LBS.	ORIGIN 25	HUNTINGTON CO. N
GROSS WEIGHT	72980	MEASURED VOLUME	15.00
TARE WEIGHT	27720 S		
NET WEIGHT	45260	TIME IN 13:01:42	TIME OUT 13:01:42
NET TONS	22.63	OPERATOR AMANDA	
WASTE CODE	202045	WASTE NAME	KUNKLE C-SOIL
DISPOSAL PRICE	$28.00/ton	DISPOSAL CHGE.	$633.64
		FEES	$45.26
		TOTAL CHARGE	$678.90

CONT SOILDRIVER [signature]

REPUBLIC SERVICES, INC.

SPECIAL WASTE DISPOSAL NOTIFICATION / MANIFEST

GENERATOR INFORMATION

Generator Name: Former Kunkle Foundry
Mailing Address: Tyco International, Inc.
3121 Butterfield Road
Oak Brook, Il 60523
Generator Contact: Kristin Knauss

Generation Location: 407E. California, Andrews, In 46702
County: Huntington
Date of Spill/Clean-out: ~~3/13/02~~ 3/20/02
Generator Phone: (630) 574-2275

Consultant/Contractor: Huff & Huff, Inc.
Consultant/Contractor Phone: (708) 579-5940
Consultant/Contractor Address: 512 W. Burlington Ave., LaGrange, Il 60525

Waste Name / Material Spilled	Republic Services Approval #	Expiration Date	Volume/ Weight
Soil Containing PCB's	202045	2/14/03	15 cu yd

Attach additional sheet if necessary

I hereby certify that the above information is true and accurate to the best of my knowledge. I also certify that no changes have been made to any relevant raw material or to the waste genererating process, since the last shipment of the waste.

on behalf of Kunkle

Kristin Knauss — Kristin Knauss
Name(print or type) — Signature — Date(MM/DD/YY)

TRANSPORTER INFORMATION

Company Name: SCS
Address: 2100 GOSHEN RD
FORT WAYNE, IN
Contact: Marc Maison
Phone: (260) 483-3354

I certify no hazardous waste or other regulated substance was knowingly introduced to the waste while in my custody. The waste transported in this vehicle is the waste identified above, to the best of my knowledge.

Andy Amick — [signature] — 3-20-02
Driver's Name(print or type) — Signature — Date(MM/DD/YY)

DISPOSAL SITE INFORMATION

Site Name: Wabash Valley
Operating Number: 86-1
Qty Received: 22.63 Tn

Diane Blair — [signature] — 3-20-02
Name(print or type) — Signature — Date(MM/DD/YY)

Form REP-03
Revised 12/00 White: Landfill Yellow: Special Waste Coordinator Pink: Generator

WABASH VALLEY LANDFILL
P.O. BOX 405
WABASH, IN. 46992
260-563-2535

TICKET #215047

DATE [illegible]
TIME 09:45:51

CUSTOMER SCSE
SCS ENV. CONTRACTORS
P O BOX 9980
FT WAYNE, IN 46892

TRUCK SCS[illegible]

GENERATOR 202045
KUNKLE C-SOIL
ORIGIN 35 HUNTINGTON CO. IN.
MEASURED VOLUME 22.00

	lbs.
GROSS	69820
TARE (STORED)	27720
NET	42100
NET TONS	21.05

TIME IN 09:45:51 TIME OUT 09:45:51
OPERATOR DIANA

WASTE CODE 202045

WASTE NAME KUNKLE C-SOIL

DISPOSAL PRICE ~~$12.00~~/ton

DISPOSAL FEE	$252.60
FEES	$42.11
TOTAL CHARGE	$294.71

DRIVER [signature]

REPUBLIC SERVICES, INC.

SPECIAL WASTE DISPOSAL NOTIFICATION / MANIFEST

GENERATOR INFORMATION

Generator Name: Former Kunkle Foundry
Mailing Address: Tyco International, Inc
3121 Butterfield Road
Oak Brook, Il 60523
Generator Contact: Kristin Knauss

Generation Location: 407E. California, Andrews, In 46702
County: Huntington
Date of Spill/Clean-out: 3/13/02
Generator Phone: (630) 574-2275

Consultant/Contractor: Huff & Huff, Inc.
Consultant/Contractor Phone: (708) 579-5940
Consultant/Contractor Address: 512 W. Burlington Ave., LaGrange, Il 60525

Waste Name / Material Spilled	Republic Services Approval #	Expiration Date	Volume/ Weight
Soil Containing PCB's	202045	2/14/03	15 cu yd

Attach additional sheet if necessary

I hereby certify that the above information is true and accurate to the best of my knowledge. I also certify that no changes have been made to any relevant raw material or to the waste genererating process, since the last shipment of the waste.

On behalf of Kunkle

Kristin Knauss — Name(print or type) — Signature — Date(MM/DD/YY)

TRANSPORTER INFORMATION

Company Name: SCS
Address: 2100 GOSHEN RD.
FORT WAYNE, IN.
Contact: MARK NATSON
Phone: (260) 483-3354

I certify no hazardous waste or other regulated substance was knowingly introduced to the waste while in my custody. The waste transported in this vehicle is the waste identified above, to the best of my knowledge.

Andy Amick — Driver's Name(print or type) — Signature — 7-17-02 Date(MM/DD/YY)

DISPOSAL SITE INFORMATION

Site Name: Nebraska Valley Landfill — Operating Number: 85-1 — Qty Received: 21.05 T

Diana Blair — Name(print or type) — Signature — 7-17-02 Date(MM/DD/YY)

Form REP-03
Revised 12/00 — White: Landfill — Yellow: Special Waste Coordinator — Pink: Generator

CC
WABASH VALLEY LANDFILL
P.O. BOX 40[illegible]
WABASH, IN. 46992
260-563-2579

TICKET #216060

DATE 07/17/0[illegible]
TIME 10:46:16

CUSTOMER SCSK
SCE ENV CONTRACTORS
P O BOX 8980
FT WAYNE, IN 46892

TRUCK SCSITC SCS

GENERATOR 202045
KUNKLE C-SOIL
ORIGIN 35 HUNTINGTON CO. IN.
MEASURED VOLUME 22.00

	lbs.
GROSS	68960
TARE (STORED)	27720
NET	41240
NET TONS	20.62

WASTE CODE 202045

TIME IN 10:46:16 TIME OUT 10:46:16
OPERATOR DIANA

WASTE NAME KUNKLE C-SOIL
KUNKLE

DISPOSAL PRICE $18.00/ton

DISPOSAL FEE	$371.16
FEES	$41.24
TOTAL CHARGE	$412.40

KUNKLE

DRIVER [signature]

REPUBLIC SERVICES, INC.

SPECIAL WASTE DISPOSAL NOTIFICATION / MANIFEST

GENERATOR INFORMATION

Generator Name: Former Kunkle Foundry
Generation Location: 407E. California, Andrews, In 46702
Mailing Address: Tyco International, Inc.
3121 Butterfield Road
Oak Brook, Il 60523
County: Huntington
Date of Spill/Clean-out: 3/13/02
Generator Contact: Kristin Knauss
Generator Phone: (630) 574-2275

Consultant/Contractor: Huff & Huff, Inc.
Consultant/Contractor Phone: (708) 579-5940
Consultant/Contractor Address: 512 W. Burlington Ave., LaGrange, Il 60525

Waste Name / Material Spilled	Republic Services Approval #	Expiration Date	Volume/ Weight
Soil Containing PCB's	202045	2/14/03	15 cu yd

Attach additional sheet if necessary

I hereby certify that the above information is true and accurate to the best of my knowledge. I also certify that no changes have been made to any relevant raw material or to the waste genererating process, since the last shipment of the waste.

on behalf of Kunkle

Kristin Knauss — Kristin Knauss
Name(print or type) — Signature — Date(MM/DD/YY)

TRANSPORTER INFORMATION

Company Name: SCS
Contact: MARK HATSON
Address: 2100 GOSHEN ROAD
FORT WAYNE, IN
Phone: (260) 483-3354

I certify no hazardous waste or other regulated substance was knowingly introduced to the waste while in my custody. The waste transported in this vehicle is the waste identified above, to the best of my knowledge.

Andy Amick — [signature] — 7-17-02
Driver's Name(print or type) — Signature — Date(MM/DD/YY)

DISPOSAL SITE INFORMATION

Site Name: Amanda Gahl
Operating Number: Amanda Gahl
Qty Received: 20 62
7-17-02
Name(print or type) — Signature — Date(MM/DD/YY)

Form REP-03
Revised 12/00 White: Landfill Yellow: Special Waste Coordinator Pink: Generator

DI
WABASH VALLEY LANDFILL
P.O. BOX 408
WABASH, IN. 46992
260-563-2539

TICKET #216211

DATE 07/18/02
TIME 09:23:46

CUSTOMER SCSK
SCS ENV CONTRACTORS
P O BOX 8980
FT WAYNE, IN 46892

TRUCK SCS173 SCS

GENERATOR 202045
KUNKLE C-SOIL
ORIGIN 35 HUNTINGTON CO, IN.
MEASURED VOLUME 22.00

	lbs.
GROSS	65280
TARE (STORED)	27720
NET	37560
NET TONS	18.78

WASTE CODE 202045

TIME IN 09:23:46 TIME OUT 09:23:46
OPERATOR DIANA

WASTE NAME KUNKLE C-SOIL
KUNKLE

DISPOSAL PRICE $18.00/ton

DISPOSAL FEE	$338.04
FEES	$37.56
TOTAL CHARGE	$375.60

KUNKLE

DRIVER

REPUBLIC SERVICES, INC.

SPECIAL WASTE DISPOSAL NOTIFICATION / MANIFEST

GENERATOR INFORMATION

Generator Name: Former Kunkle Foundry
Generation Location: 407E. California, Andrews, In 46702
Mailing Address: Tyco International, Inc.
3121 Butterfield Road
Oak Brook, Il 60523
County: Huntington
Date of Spill/Clean-out: 3/13/02
Generator Contact: Kristin Knauss
Generator Phone: (630) 574-2275

Consultant/Contractor: Huff & Huff, Inc.
Consultant/Contractor Phone: (708) 579-5940
Consultant/Contractor Address: 512 W. Burlington Ave., LaGrange, Il 60525

Waste Name / Material Spilled	Republic Services Approval #	Expiration Date	Volume/ Weight
Soil Containing PCB's	202045	2/14/03	15 cu yd

Attach additional sheet if necessary

I hereby certify that the above information is true and accurate to the best of my knowledge. I also certify that no changes have been made to any relevant raw material or to the waste genererating process, since the last shipment of the waste.

On behalf of Kunkle

Kristin Knauss
Name(print or type) Signature Date(MM/DD/YY)

TRANSPORTER INFORMATION

Company Name: SCS
Contact: MARK MATSON
Address: 2100 GOSHEN ROAD
FORT WAYNE, IN
Phone: (260) 483-3354

I certify no hazardous waste or other regulated substance was knowingly introduced to the waste while in my custody. The waste transported in this vehicle is the waste identified above to the best of my knowledge.

Andy Emick 7-18-02
Driver's Name(print or type) Signature Date(MM/DD/YY)

DISPOSAL SITE INFORMATION

Site Name: Wabash Valley
Operating Number: 85-1
Qty Received: 18.78 T
7-18-02
Name(print or type) Signature Date(MM/DD/YY)

Form REP-03
Revised 12/00 White: Landfill Yellow: Special Waste Coordinator Pink: Generator

safety-kleen

1301 Gervais Street - Suite 300
Columbia, South Carolina 29201

WE CARE

DUNS NO. 05-397-6551 FED. ID NO. 396090019

CUSTOMER

FOR SERVICE CALL	BRANCH MANAGER	DOC. EXP.	SCHEDULED SERVICE WEEK	SCHEDULED TERRITORY	REFERENCE NUMBER
260-484-8034	RANDY POST		02		M001 [illegible]

CREDIT CODE	PREVIOUS BALANCE	BAL. OVER 60 DAYS

BUSINESS TYPE	CHAIN	OUTER COUNTY	SVC. P/C	PROD. P/C

LOCATION	TAX EXEMPTION NUMBER
506801	

CUSTOMER NO.

2	7	4	4	3	8	5					

CUSTOMER

Tyco Int'l
407 E. California
Andrews IN 46702

BILL TO

Huff & Huff
Attn: Darren Greving
512 W. Burlington
LaGrange, IL 60525

SERVICE DATE	SALES REP NO.	CUSTOMER P.O. NUMBER	CUSTOMER PHONE #	TAX CODE	HANDLING CODE	ASSOC CODE	SERVICE TAX	C.O.M.S. TAX	PRODUCT TAX
7-4-03	5467				OR				

	DEPT	SERVICE/ PRODUCT	SURVEY NUMBER	UNIT PRICE	QUANTITY	CHARGE	SALES TAX	TOTAL CHARGE	CHLORINE TEST RESULTS: HALOGEN TESTER PASS	HALOGEN TESTER FAIL	CHLOR-D-TECT RESULTS (PPM)	CHLOR-D-TECT TESTERS INITIALS	SK DOT NUMBER	CC	SERVICE TERM	CHANGE SERVICE TERM		CHANGE PRICE	PROMO NO	RELEASE NO
1		6662	3331033	.55	3800			2090	☐	☐					07			02	43	
2									☐	☐										
3									☐	☐										
4									☐	☐										
5									☐	☐										
6									☐	☐										
7									☐	☐										
8									☐	☐										
9									☐	☐										

TOTAL-SERVICE/PRODUCTS

TANK CAPACITY

TRANSPORTER DATE 7 / 7 / 03

PRINT NAME X SIGNATURE

FACILITY DATE / /

PRINT NAME X SIGNATURE

GENERATOR STATUS: CHECK ONLY ONE BOX BELOW

GENERATOR: HAZARDOUS WASTE CLASSIFICATION *	VEHICLE FLUIDS ONLY	OTHER NON-VEHICLE FLUIDS
CESQG	☐ 1	☐ 3
SQG/LQG	☐ 2	☐ 4

1 NO PREQUAL REQUIRED, NO HALOGEN TEST
2 NO PREQUAL REQUIRED, HALOGEN TEST AT PICK-UP
3 PREQUAL REQUIRED, NO HALOGEN TEST
4 PREQUAL REQUIRED, HALOGEN TEST AT PICK-UP
* REFER TO REVERSE SIDE FOR DEFINITIONS

MANIFEST NO.

USEPA TRANSPORTER ID NO. SCR000075150

GENERATOR USEPA ID NO.

GENERATOR STATE ID NO.

11. US DOT DESCRIPTION (INCLUDING PROPER SHIPPING NAME, HAZARD CLASS, AND ID.)	12. CONTAINERS NO.	TYPE	13. TOTAL QUANTITY	14. UNIT WT/VOL	SK DOT NUMBER
USED OIL (NOT USDOT HAZARDOUS MATERIAL)					850
USED OIL AND WATER MIXTURE (NOT USDOT HAZARDOUS MATERIAL)	1	TT	3800	G	927
USED ANTIFREEZE (NOT USEPA OR USDOT REGULATED)					1176

INTERMEDIATE FACILITY NAME AND ADDRESS SAFETY-KLEEN SYSTEMS, INC.
216 Production Rd Ft Wayne In 46808

USA EPA ID NO. IND000734666
STATE ID NO.

OIL RECOVERY SERVICE/ SALES ACKNOWLEDGMENT

CASH ☐	TOTAL RECEIVED	APPLY PAYMENT TO:
CHECK NUMBER		☐ TODAY'S SERVICE/SALE ☐ PREVIOUS BALANCE AS FOLLOWS

INVOICE #	AMOUNT $	INVOICE #	AMOUNT $

PREVIOUS CREDIT CARD NO →

CREDIT CARD NO. AMEX VISA MC EXP. DATE

CUSTOMER REFERENCE

MANIFEST CODE	SEQ #
	8 D

IN THE EVENT OF AN EMERGENCY CALL

CHARGE MY ACCOUNT FOR THIS TRANSACTION UNLESS OTHERWISE INDICATED IN THE PAYMENT RECEIVED SECTION.

Customer certifies that the above-named materials are properly classified, described, packaged, marked and labeled, and are in proper condition for transportation according to the applicable regulations of the U.S. Environmental Protection Agency and the U.S. Department of Transportation.

ADDITIONAL TERMS AND CONDITIONS ON THE REVERSE SIDE OF THIS DOCUMENT ARE INCORPORATED HEREWITH MADE A PART HEREOF.

Print Name DARREN GREVING

X

GENERATOR SHIPPER DESIGNATED REPRESENTATIVE

TOTAL DUE

M001 [illegible]

97 Gervais Street Suite 300
COLUMBIA, SOUTH CAROLINA 29201

OIL RECOVERY PLACEMENT FORM

2744385

FOR SERVICE CALL	BRANCH MANAGER	REFER NUM
260-484-8034	RANDY POST	P000757025

GENERATOR LOCATION

NAME: Tyco International
INFORMATION / ATTENTION LINE: 4025 California
DELIVERY ADDRESS:
CITY: Anderson, STATE: IN
ZIP: 46012

BILL TO (IF DIFFERENT)

NAME: [illegible]
INFORMATION / ATTENTION LINE: [illegible]
DELIVERY ADDRESS: 312 W. Baltimore
CITY: Baltimore, STATE: MD
ZIP: 10525

BILL TO: (IF DIFFERENT FROM LOCATION)

	NAME	TITLE	SIGN
1.			
2.			

LOCATION				
BUSINESS TYPE	CHAIN	OUTER COUNTY	BVQ P/C	PROD P/C
8				

TERRITORY	CREDIT CODE	TAX EXEMPTION NO.
03		

SERVICE DATE	SALES REP NO.	CUSTOMER P.O. NUMBER	CUSTOMER PHONE #	TAX CODE	HANDLING CODE	ASSOC. CODE	SERVICE TAX	C.O.M.S. TAX	PRODUCT TAX
[illegible]	UNA		[illegible]						

	DEPT	SERVICE/ PRODUCT		UNIT PRICE	QUANTITY	CHARGE	SALES TAX	TOTAL CHARGE	CHLORINE TEST RESULTS: HALOGEN TESTER PASS	HALOGEN TESTER FAIL	CHLOR-D-TECT RESULTS (PPM)	TESTERS INITIALS	SK DOT NUMBER	CC	SERVICE TERM	CHANGE SERVICE TERM (WEEKS)	(INITIAL)	CHANGE SCH DATE	PROMO NO.	RELEASE NO.
1		66662	#333	1033 (55)	3800			2090	☐	☐					07			02-43		
2									☐	☐										
3									☐	☐										
4									☐	☐										
5									☐	☐										
		TOTAL-SERVICE/PRODUCTS							TANK CAPACITY											

TRANSPORTER DATE 9 / 11 / 02
PRINT NAME: [illegible] X SIGNATURE

FACILITY DATE / /
PRINT NAME: X SIGNATURE

GENERATOR STATUS: CHECK ONLY ONE BOX BELOW

GENERATOR: HAZARDOUS WASTE CLASSIFICATION *	VEHICLE FLUIDS ONLY	OTHER NON-VEHICLE FLUIDS
CESQG	☐ 1	☐ 3
SQG/LQG	☐ 2	☐ 4

1 NO PREQUAL REQUIRED, NO HALOGEN TEST
2 NO PREQUAL REQUIRED, HALOGEN TEST AT PICK-UP
3 PREQUAL REQUIRED, NO HALOGEN TEST
4 PREQUAL REQUIRED, HALOGEN TEST AT PICK-UP
* REFER TO REVERSE SIDE FOR DEFINITIONS

MANIFEST NO.	USEPA TRANSPORTER ID NO.
	5CR000075150
GENERATOR USEPA ID NO.	GENERATOR STATE ID NO.

	11. US DOT DESCRIPTION (INCLUDING PROPER SHIPPING NAME, HAZARD CLASS, AND ID.)	12. CONTAINERS NO.	TYPE	13. TOTAL QUANTITY	14. UNIT WT/VOL	SK DOT NUMBER
A.	~~USED OIL (NOT USDOT HAZARDOUS MATERIAL)~~					850
B.	USED OIL AND WATER MIXTURE (NOT USDOT HAZARDOUS MATERIAL)	1	TT	3800	G	927
C.	~~USED ANTIFREEZE (NOT USEPA OR USDOT REGULATED)~~					1176
D.						

WE CAME

INTERMEDIATE FACILITY NAME AND ADDRESS: SAFETY-KLEEN SYSTEMS, [illegible]
USA EPA ID NO. [illegible]
STATE ID NO.

CUSTOMER

PAYMENT RECEIVED SECTION

CASH ☐	TOTAL RECEIVED	APPLY PAYMENT TO:
CHECK NUMBER		☐ TODAY'S SERVICE/SALE ☐ PREVIOUS BALANCE AS FOLLOWS
INVOICE #	AMOUNT $	INVOICE # / AMOUNT $

PREVIOUS CREDIT CARD NO.

CREDIT CARD NO. | AMEX VISA MC | EXP. DATE

CUSTOMER REFERENCE INFORMATION

MANIFEST CODE	SEQ #
	1 D

IN THE EVENT OF AN EMERGENCY CALL 1-800-468-1760 (24 hours)

CHARGE MY ACCOUNT FOR THIS TRANSACTION UNLESS OTHERWISE INDICATED IN THE PAYMENT RECEIVED SECTION.

Customer certifies that the above-named materials are properly classified, described, packaged, marked and labeled, and are in proper condition for transportation according to the applicable regulations of the U.S. Environmental Protection Agency and the U.S. Department of Transportation.

ADDITIONAL TERMS AND CONDITIONS ON THE REVERSE SIDE OF THIS DOCUMENT ARE INCORPORATED HEREWITH MADE A PART HEREOF.

Print Name: DARREN GUERIN

X GENERATOR SHIPPER DESIGNATED REPRESENTATIVE SIGNATURE

TOTAL DUE [illegible]

P000757025

safety-kleen.

1301 Gervais Street - Suite 300
Columbia, South Carolina 29201

WE CARE

DUNS NO. 08-397-6551 FED. ID NO. 380090019

CUS1 ....R

FOR SERVICE CALL	BRANCH MANAGER	DOC. EXP.	SCHEDULED SERVICE WEEK	SCHEDULED TERRITORY	REFERENCE NUMBER
260-484-8034	RANDY POST		02		H001357897

CREDIT CODE	PREVIOUS BALANCE	BAL. OVER 60 DAYS

BUSINESS TYPE	CHAIN	OUTER COUNTY	SVC. P/C	PROD. P/C

LOCATION	TAX EXEMPTION NUMBER
506801	

CUSTOMER NO.

2	7	4	4	3	8	5					

CUSTOMER INFORMATION

TYCO INT'L
407 E CALIFORNIA
ADDISON, IL 60202

BILL TO

HUFF + HUFF
ATTN: DARREN WEEVING 60525
512 W BURLINGTON LAGRANGE, IL

SERVICE DATE	SALES REP NO.	CUSTOMER P.O. NUMBER	CUSTOMER PHONE #	TAX CODE	HANDLING CODE		ASSOC CODE	SERVICE TAX	C.O.M.S. TAX	PRODUCT TAX
7/7/07	[illegible]					OR				

	DEPT	SERVICE/ PRODUCT	SERIAL NUMBER / SURVEY NUMBER	UNIT PRICE	QUANTITY	CHARGE	SALES TAX	TOTAL CHARGE	CHLORINE TEST RESULTS: HALOGEN TESTER PASS	FAIL	CHLOR-D-TECT RESULTS (PPM)	TESTERS INITIALS	SK DOT NUMBER	CC	SERVICE TERM	CHANGE SERVICE TERM	CHANGE EFF. DATE	PROMO NO.	RELEASE NO
1		[illegible]	[illegible]	.55	2400			1320	☑	☐									
2									☐	☐									
3									☐	☐									
4									☐	☐									
5									☐	☐									
6									☐	☐									
7									☐	☐									
8									☐	☐									
9									☐	☐									
		TOTAL-SERVICE/PRODUCTS						1320	TANK CAPACITY										

TRANSPORTER DATE 7 / 6 / 07

PRINT NAME X SIGNATURE

FACILITY DATE / /

PRINT NAME X SIGNATURE

GENERATOR STATUS: CHECK ONLY ONE BOX BELOW

GENERATOR: HAZARDOUS WASTE CLASSIFICATION *	VEHICLE FLUIDS ONLY	OTHER NON-VEHICLE FLUIDS
CESQG	☐ 1	☐ 3
SQG/LQG	☐ 2	☐ 4

1 NO PREQUAL REQUIRED, NO HALOGEN TEST
2 NO PREQUAL REQUIRED, HALOGEN TEST AT PICK-UP
3 PREQUAL REQUIRED, NO HALOGEN TEST
4 PREQUAL REQUIRED, HALOGEN TEST AT PICK-UP
* REFER TO REVERSE SIDE FOR DEFINITIONS

MANIFEST NO.

USEPA TRANSPORTER ID NO. SCR000075150

GENERATOR USEPA ID NO.

GENERATOR STATE ID NO.

	11. US DOT DESCRIPTION (INCLUDING PROPER SHIPPING NAME, HAZARD CLASS, AND ID.)	12. CONTAINERS NO.	TYPE	13. TOTAL QUANTITY	14. UNIT WT./VOL	SK DOT NUMBER
A.	USED OIL (NOT USDOT HAZARDOUS MATERIAL)					850
B.	USED OIL AND WATER MIXTURE (NOT USDOT HAZARDOUS MATERIAL)	1	TT	2400	G	927
C.	USED ANTIFREEZE (NOT USEPA OR USDOT REGULATED)					1176
D.						

INTERMEDIATE FACILITY NAME AND ADDRESS SAFETY-KLEEN SYSTEMS, INC.
2412 Mounteer Rd Ft Wayne IN 46803

USA EPA ID NO. [illegible]
STATE ID NO.

OIL RECOVERY SERVICE/ SALES ACKNOWLEDGMENT

CASH ☐	TOTAL RECEIVED	APPLY PAYMENT TO:
CHECK NUMBER		☐ TODAY'S SERVICE/SALE ☐ PREVIOUS BALANCE AS FOLLOWS

INVOICE #	AMOUNT $	INVOICE #	AMOUNT $

PREVIOUS CREDIT CARD NO. →

CREDIT CARD NO. AMEX VISA MC EXP. DATE

CUSTOMER REFERENCE INFORMATION

MANIFEST CODE	SEQ #
	21 D

IN THE EVENT OF AN EMERGENCY CALL 1-800-468-1760 (24 Hours)

CHARGE MY ACCOUNT FOR THIS TRANSACTION UNLESS OTHERWISE INDICATED IN THE PAYMENT RECEIVED SECTION.

Customer certifies that the above-named materials are properly classified, described, packaged, marked and labeled, and are in proper condition for transportation according to the applicable regulations of the U.S. Environmental Protection Agency and the U.S. Department of Transportation.

ADDITIONAL TERMS AND CONDITIONS ON THE REVERSE SIDE OF THIS DOCUMENT ARE INCORPORATED HEREWITH MADE A PART HEREOF.

Print Name DARREN WEEVING

X [signature]

GENERATOR SHIPPER DESIGNATED REPRESENTATIVE SIGNATURE

TOTAL DUE 1320

H001357897

[illegible]

First Environmental Laboratories, Inc.
1600 Shore Road • Naperville, Illinois 60563 • Phone (630) 778-1200 • Fax (630) 778-1233
IEPA Certification #100292

May 14, 2002

Mr. Darren Greving
HUFF & HUFF, INC.
512 W. Burlington
Suite 100
La Grange, IL 60525

Project ID: TYCO Kunkle
First Environmental File ID: 57614
Date Received: May 6, 2002

Dear Mr. Greving:

The above referenced sample was analyzed as requested on the enclosed chain of custody record.

Analysis was performed in accordance with the methods found in the USEPA publication: Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 3rd Edition, December 1996. Specific method references are listed on the Analytical Report.

I thank you for the opportunity to be of service and look forward to working with you again in the future. Should you have any questions regarding the enclosed analytical data or need additional information, please contact me at (630) 778-1200.

Sincerely,

William H. Mottashed
Project Manager

First Environmental Laboratories, Inc.

1600 Shore Road • Naperville, Illinois 60563 • Phone (630) 778-1200 • Fax (630) 778-1233
IEPA Certification #100292

Analytical Report

Client:	HUFF & HUFF, INC.		
Project ID:	TYKO Kunkle; P.O. #17952	Date Received:	05/06/02
Sample Number:	57614	Date Taken:	05/03/02
Sample Description:	Excavation Water	Time Taken:	Not Provided
Lab File ID:	57614	Date Reported:	05/14/02

Analyte	Result	Units	Flags
PCBs Method 3510C/8082			
Preparation Date: 05/10/02			
Analysis Date: 05/13/02			
Aroclor 1016	< 0.50	ug/L	
Aroclor 1221	< 0.50	ug/L	
Aroclor 1232	< 0.50	ug/L	
Aroclor 1242	< 0.50	ug/L	
Aroclor 1248	< 0.50	ug/L	
Aroclor 1254	< 0.50	ug/L	
Aroclor 1260	124	ug/L	

CHAIN OF CUSTODY RECORD

First Environmental Laboratories, Inc.

First Environmental Laboratories
1600 Shore Road, Suite D
Naperville, Illinois 60563
Phone: (630) 778-1200 • Fax: (630) 778-1233
24 Hr. Pager (708) 569-7507
E-mail: info@firstenv.com
IEPA Certification# 100292

Company Name: HUFF & HUFF
Street Address: 512 W. BURLINGTON AVE
City: LAGRANGE State: IL Zip: 60525
Phone: 708 579-5940 Fax: (708) 579-3526
Send Report To: DARREN GREVING
Sampled By: SCS CONTRACTING

Project I.D.: TYKO KUNKLE
P.O. #.: 17952

Matrix Codes: S = Soil W = Water O = Other

Analyses

Date/Time Taken	Sample Description	Matrix	PCB								Comments	Lab I.D.
5-3-02	EXCAVATION WATER	W	X									57614

Cooler Temperature: ~4 °C
Received within 6 hrs. of collection: _____

Notes and Special Instructions: _____

Relinquished By: [signature] Date/Time 5/6/02 11:10 Received By: 5/6/02 11:15 Date/Time [signature]
Relinquished By: _____ Date/Time _____ Received By: _____ Date/Time _____

Rev. 1/01

CHAIN OF CUSTODY RECORD

First Environmental Laboratories, Inc.

First Environmental Laboratories
1600 Shore Road, Suite D
Naperville, Illinois 60563
Phone: (630) 778-1200 • Fax: (630) 778-1233
24 Hr. Pager (708) 569-7507
E-mail: info@firstenv.com
IEPA Certification# 100292

Company Name: Huff & Huff
Street Address: 512 W. Burlington Ave
City: LaGrange State: IL Zip: 60525
Phone: 708 579-5940 Fax: (708) 579-3526
Send Report To: Darren Greving
Sampled By: SCS Contracting

Project I.D.: TYKO KUNKLE
P.O. #.: 17952

Matrix Codes: S = Soil W = Water O = Other

Analyses

Date/Time Taken	Sample Description	Matrix	PCB								Comments	Lab I.D.
5-3-02	EXCAVATION WATER	W	X									

Cooler Temperature: ~4 °C
Received within 6 hrs. of collection: _____

Notes and Special Instructions: _____

Relinquished By: Darren Greving Date/Time 5/6/02 11:10 Received By: 5/6/02 11:05 Date/Time [signature]
Relinquished By: _____ Date/Time _____ Received By: _____ Date/Time _____

Rev. 1/01

REPORT NO.
F02080-8007
ACCOUNT NUMBER
41506

A & L GREAT LAKES LABORATORIES, INC.

3505 Conestoga Drive • Fort Wayne, Indiana 46808-4413 • Phone (260)483-4759 • FAX (260)483-5274
www.algreatlakes.com • lab@algreatlakes.com

TO: HUFF & HUFF, INC.
512 W BURLINGTON AVE, STE 100
LAGRANGE, IL 60525

FOR: TYCO KUNKLE

ATTN: DARREN GREVING

REPORT OF ANALYSIS

LAB NUMBER: 55569
SAMPLE ID: N WALL

DATE SAMPLED: 3/20/02
DATE RECEIVED: 3/21/02
DATE REPORTED: 4/12/02

PARAMETER	RESULT	UNIT	DETECTION LIMIT	ANALYST	ANALYSIS DATE	METHOD REFERENCE
PCB, Total	1.66	mg/kg	0.04	CRP	3/22/02	FDA PAM 302/SPE/ECD

A&L

Sample was extracted for PCB's on 03/21/02.
Final analysis for PCB's was performed as outlined in SW846/8082.
PCB identified and quantitated as Aroclor 1260.

REPORT NO.
F02080-8007
ACCOUNT NUMBER
41506

A & L GREAT LAKES LABORATORIES, INC.

3505 Conestoga Drive • Fort Wayne, Indiana 46808-4413 • Phone (260)483-4759 • FAX (260)483-5274
www.algreatlakes.com • lab@algreatlakes.com

TO: HUFF & HUFF, INC.
512 W BURLINGTON AVE, STE 100
LAGRANGE, IL 60525

FOR: TYCO KUNKLE

ATTN: DARREN GREVING

REPORT OF ANALYSIS

LAB NUMBER: 55570
SAMPLE ID: E WALL

DATE SAMPLED: 3/20/02
DATE RECEIVED: 3/21/02
DATE REPORTED: 4/12/02

PARAMETER	RESULT	UNIT	DETECTION LIMIT	ANALYST	ANALYSIS DATE	METHOD REFERENCE
PCB, Total	14.9	mg/kg	2.0	CRP	3/22/02	FDA PAM 302/SPE/ECD

A&L

Sample was extracted for PCB's on 03/21/02.
Final analysis for PCB's was performed as outlined in SW846/8082.
PCB identified and quantitated as Aroclor 1254.
PCB identified and quantitated as Aroclor 1260.

REPORT NO.
F02080-8007
ACCOUNT NUMBER
41506

A & L GREAT LAKES LABORATORIES, INC.

3505 Conestoga Drive • Fort Wayne, Indiana 46808-4413 • Phone (260)483-4759 • FAX (260)483-5274
www.algreatlakes.com • lab@algreatlakes.com

TO: HUFF & HUFF, INC.
512 W BURLINGTON AVE, STE 100
LAGRANGE, IL 60525

FOR: TYCO KUNKLE

ATTN: DARREN GREVING

REPORT OF ANALYSIS

LAB NUMBER: 55571
SAMPLE ID: S WALL

DATE SAMPLED: 3/20/02
DATE RECEIVED: 3/21/02
DATE REPORTED: 4/12/02

PARAMETER	RESULT	UNIT	DETECTION LIMIT	ANALYST	ANALYSIS DATE	METHOD REFERENCE
PCB, Total	0.18	mg/kg	0.04	CRP	3/22/02	FDA PAM 302/SPE/ECD

A&L

Sample was extracted for PCB's on 03/21/02.
Final analysis for PCB's was performed as outlined in SW846/8082.
PCB identified and quantitated as Aroclor 1260.

REPORT NO.
F02080-8007
ACCOUNT NUMBER
41506

A & L GREAT LAKES LABORATORIES, INC.

3505 Conestoga Drive • Fort Wayne, Indiana 46808-4413 • Phone (260)483-4759 • FAX (260)483-5274
www.algreatlakes.com • lab@algreatlakes.com

TO: HUFF & HUFF, INC.
512 W BURLINGTON AVE, STE 100
LAGRANGE, IL 60525

FOR: TYCO KUNKLE

ATTN: DARREN GREVING

REPORT OF ANALYSIS

LAB NUMBER: 55572
SAMPLE ID: W WALL

DATE SAMPLED: 3/20/02
DATE RECEIVED: 3/21/02
DATE REPORTED: 4/12/02

PARAMETER	RESULT	UNIT	DETECTION LIMIT	ANALYST	ANALYSIS DATE	METHOD REFERENCE
PCB, Total	9.46	mg/kg	0.04	CRP	3/22/02	FDA PAM 302/SPE/ECD

A&L

Sample was extracted for PCB's on 03/21/02.
Final analysis for PCB's was performed as outlined in SW846/8082.
PCB identified and quantitated as Aroclor 1254.
PCB identified and quantitated as Aroclor 1260.

REPORT NO.
F02080-8007
ACCOUNT NUMBER
41506

A & L GREAT LAKES LABORATORIES, INC.

3505 Conestoga Drive • Fort Wayne, Indiana 46808-4413 • Phone (260)483-4759 • FAX (260)483-5274
www.algreatlakes.com • lab@algreatlakes.com

TO: HUFF & HUFF, INC.
512 W BURLINGTON AVE, STE 100
LAGRANGE, IL 60525

FOR: TYCO KUNKLE

ATTN: DARREN GREVING

REPORT OF ANALYSIS

LAB NUMBER: 55573
SAMPLE ID: E FLOOR

DATE SAMPLED: 3/20/02
DATE RECEIVED: 3/21/02
DATE REPORTED: 4/12/02

PARAMETER	RESULT	UNIT	DETECTION LIMIT	ANALYST	ANALYSIS DATE	METHOD REFERENCE
PCB, Total	21.2	mg/kg	2.0	CRP	3/22/02	FDA PAM 302/SPE/ECD

A&L

Sample was extracted for PCB's on 03/21/02.
Final analysis for PCB's was performed as outlined in SW846/8082.
PCB identified and quantitated as Aroclor 1254.
PCB identified and quantitated as Aroclor 1260.

REPORT NO.
F02080-8007
ACCOUNT NUMBER
41506

A & L GREAT LAKES LABORATORIES, INC.

3505 Conestoga Drive • Fort Wayne, Indiana 46808-4413 • Phone (260)483-4759 • FAX (260)483-5274
www.algreatlakes.com • lab@algreatlakes.com

TO: HUFF & HUFF, INC.
512 W BURLINGTON AVE, STE 100
LAGRANGE, IL 60525

FOR: TYCO KUNKLE

ATTN: DARREN GREVING

REPORT OF ANALYSIS

LAB NUMBER: 55574
SAMPLE ID: E FLOOR DUP

DATE SAMPLED: 3/20/02
DATE RECEIVED: 3/21/02
DATE REPORTED: 4/12/02

PARAMETER	RESULT	UNIT	DETECTION LIMIT	ANALYST	ANALYSIS DATE	METHOD REFERENCE
PCB, Total	14.7	mg/kg	2.0	CRP	3/22/02	FDA PAM 302/SPE/ECD

A&L

Sample was extracted for PCB's on 03/21/02.
Final analysis for PCB's was performed as outlined in SW846/8082.
PCB identified and quantitated as Aroclor 1254.
PCB identified and quantitated as Aroclor 1260.

REPORT NO.
F02080-8007
ACCOUNT NUMBER
41506

A & L GREAT LAKES LABORATORIES, INC.

3505 Conestoga Drive • Fort Wayne, Indiana 46808-4413 • Phone (260)483-4759 • FAX (260)483-5274
www.algreatlakes.com • lab@algreatlakes.com

TO: HUFF & HUFF, INC.
512 W BURLINGTON AVE, STE 100
LAGRANGE, IL 60525

FOR: TYCO KUNKLE

ATTN: DARREN GREVING

REPORT OF ANALYSIS

LAB NUMBER: 55575
SAMPLE ID: W FLOOR

DATE SAMPLED: 3/20/02
DATE RECEIVED: 3/21/02
DATE REPORTED: 4/12/02

PARAMETER	RESULT	UNIT	DETECTION LIMIT	ANALYST	ANALYSIS DATE	METHOD REFERENCE
PCB, Total	0.06	mg/kg	0.04	CRP	3/22/02	FDA PAM 302/SPE/ECD

A&L

Sample was extracted for PCB's on 03/21/02.
Final analysis for PCB's was performed as outlined in SW846/8082.
PCB identified and quantitated as Aroclor 1260.

A & L GREAT LAKES LABORATORIES, INC.

CHAIN OF CUSTODY DOCUMENTATION

Report To: Huff & Huff
Darren Grening
512 W. Burlington Ave, Suite 100
LaGrange, IL 60525

Project Reference: TYCO KUNKLE

Shipper/Waybill Number:

Sample Identification	Container Number	Container Type: Glass	Container Type: Plastic	Date Sampled	Time Sampled	Type Sample: Grab	Type Sample: Composite	Sample Preservation: Cool 4°C	Frozen	H_2SO_4 pH<2	HNO_3 pH<2	HCl pH<2	NaOH pH>12	.008 % $Na_2S_2O_3$	Ascorbic Acid		Requested Analyses
NORTH WALL		1		3/20/02		X											TOTAL PCBs
EAST WALL		1				X											
SOUTH WALL		1				X											
WEST WALL		1				X											
EAST FLOOR		1				X											
EAST FLOOR DUP		1				X											
WEST FLOOR		1		3/20/02		X											TOTAL PCBs

Sampled by: [signature] (Signature)
DARREN GREVING (Printed Name)

Relinquished by: [signature] (Signature) Date: 3/20/02
DARREN GREVING (Printed Name) Time: 3:55

Received by: [signature] (Signature) Date: 3-20-02
[illegible] (Printed Name) Time: 3:50

Special Instructions: LEVEL IV QA/QC

LEVEL IV QA/QC

A&L GREAT LAKES LABORATORIES
3505 CONESTOGA DRIVE
FORT WAYNE, INDIANA 46808

PCB ANALYSIS FOR TYCO KUNKLE SOIL SAMPLES PREPARED FOR HUFF & HUFF, INC., LAGRANGE, IL

BENCHSHEET, CHAIN OF CUSTODY AND SAMPLE RESULT CHROMATOGRAMS

A & L GREAT LAKES LABORATORIES

DIVISION OF ENVIRONMENTAL CHEMISTRY

QUALITY ASSURANCE BENCH SHEET

Q.A. NUMBER: 02032001

GENERAL INFORMATION	
ANALYSIS:	PCB
MATRIX:	SOIL AND SLUDGE
METHOD:	RAM 10-019 w/PCB Option
TECHNICIAN:	SKP/CRP
PREP DATE:	3/21/2002

SPIKING INFORMATION			
SPIKE SOL'N:	A1260 INTERM		
SPIKE VOL:	0.5 mL		
LIBRARY I.D.:	R11900001		
PREP. DATE:	2-18-2002		

VESSEL I.D.	LAB NUMBER	SAMPLE GRAMS OR MLS
1	SPIKE 1	50.0
2	55569	50.0
3	55570	50.0
4	55571	50.0
5	55572	50.0
6	55573	50.0
7	55574	50.0
8	55575	50.0
9	55571 MS	50.0
10	55572 dup	50.0
11		
12		
13		
14		
15		
16		
17		
18		
19		
	BLANK	-

INSTRUMENT INFORMATION		SAMPLE INFORMATION	
INST. METHOD:	PCB	BALANCE #:	01
G.C.#:	7	OVEN#/TEMP:	NA
OPERATOR:	SKP	ALIQUOT RATIO:	50/100
COLUMN I.D.:	210243	FINAL VOLUME:	2.0 mL
DATE USED:	3/21/2002	INJECTION VOL.:	2 uL
DETECTOR:	ECD	EXTRACT STORAGE:	F7

INSTRUMENT CALIBRATION INFORMATION		METHOD CALIBRATION INFORMATION	
LGV (cm/s)	Not Given	A1016 I.D.	R11300002
INST. CAL I.D.	MX50160110	A1221 I.D.	R11400002
INST. CAL PREP. DATE:	3-5-2002	A1232 I.D.	R11500002
ANALYTE 1		A1242 I.D.	R11600002
RETENTION TIME (MIN)	14.85	A1248 I.D.	R11700002
R.T. ACCURACY (%)	100	A1254 I.D.	R11800002
SENSITIVITY (AREA)	185140	A1260 I.D.	R11900002
SENS. ACCURACY (%)	139	CAL PREP DATE:	2/19/2002
ANALYTE 2			
RETENTION TIME (MIN)	21.63		
R.T. ACCURACY (%)	101		
SENSITIVITY (AREA)	394490		
SENS. ACCURACY (%)	123		

COMMENTS

All glassware to be Hexane Rinsed prior to washing. SKP 3-21-2002
Reextracted on 3/22/2002 due to column carryover. SKP 3/26/2002.

A & L GREAT LAKES LABORATORIES, INC.
CHAIN OF CUSTODY DOCUMENTATION

Report To: Huff & Huff
Darren Greving
512 W. Burlington Ave, Suite 100
La Grange, IL 60525

Project Reference: TYCO KUNKLE

FAX 708-579-3526

Shipper/Waybill Number:

Sample Identification	Container Number	Container Type: Glass	Container Type: Plastic	Date Sampled	Time Sampled	Type Sample: Grab	Type Sample: Composite	Sample Preservation: Cool 4°C	Frozen	H_2SO_4 pH<2	HNO_3 pH<2	HCl pH<2	NaOH pH>12	.008 % $Na_2S_2O_3$	Ascorbic Acid		Requested Analyses
NORTH WALL		1		3/20/02		X											TOTAL PCBs
EAST WALL		1				X											
SOUTH WALL		1				X											
WEST WALL		1				X											
EAST FLOOR		1				X											
EAST FLOOR DUP.		1				X											
WEST FLOOR		1		3/20/02		X											TOTAL PCB's

Sampled by: Darren Greving (Signature)
Darren Greving (Printed Name)

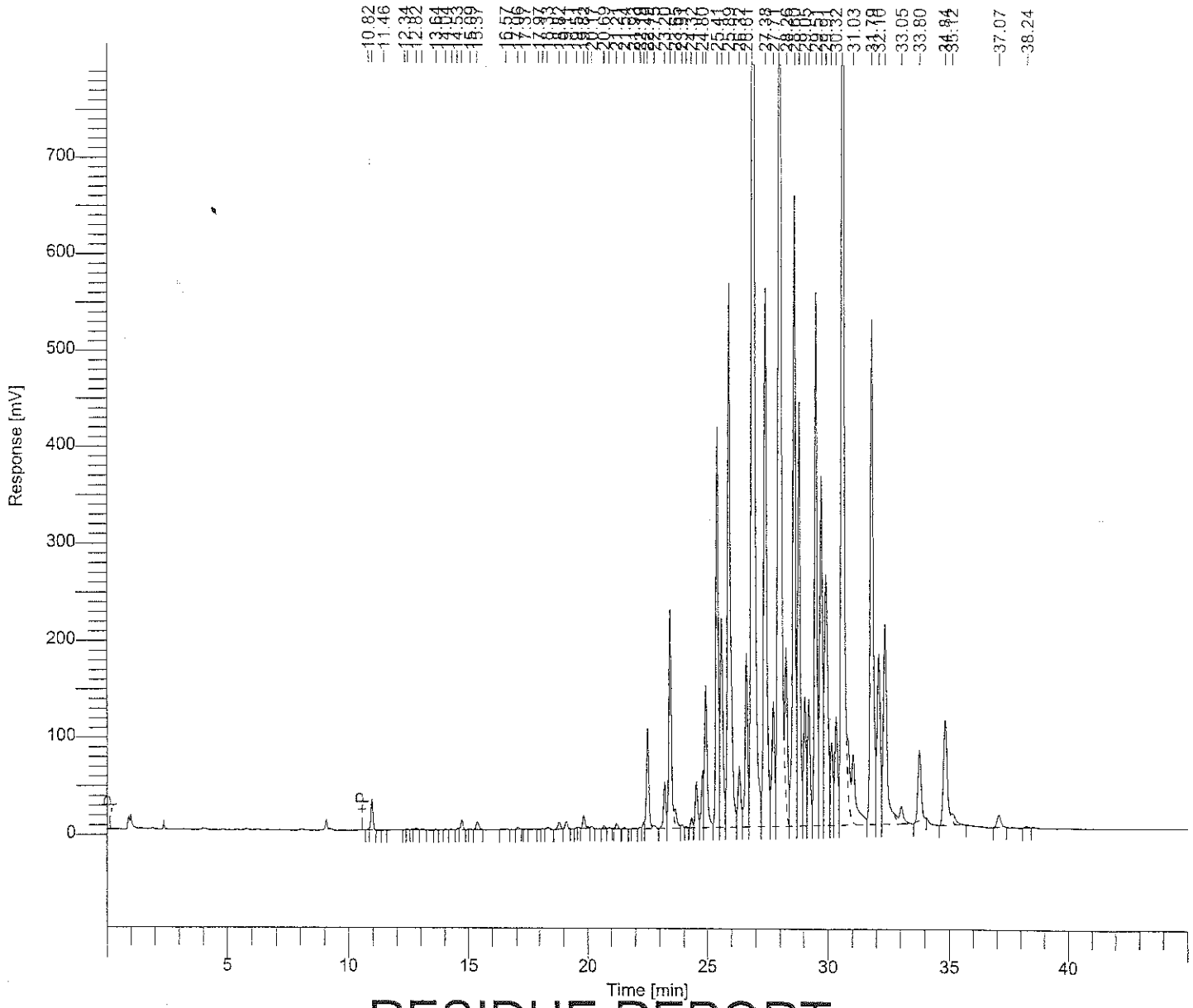
Relinquished by: Darren Greving (Signature) Date: 3/20/02
Darren Greving (Printed Name) Time: 3:55

Received by: Julie Spielman (Signature) Date: 3-20-02
Julie Spielman (Printed Name) Time: 3:55

Special Instructions: LEVEL IV QA/QC

Software Version	: 6.1.1.0.0:K20	Date	: 3/22/2002 8:02:31 AM
Sample Name	: 55569	Data Acquisition Time	: 3/22/2002 3:21:39 AM
Instrument Name	: GC07	Channel	: B
Rack/Vial	: 0/0	Operator	: manager
Sample Amount	: 50.000000	Dilution Factor	: 1.000000
Cycle	: 17		

Result File : C:\PEST\GC7\DATAECD\02032001_017.rst
Sequence File : C:\PEST\GC7\SEQUENCE\ECD\02032001.seq



RESIDUE REPORT

ANALYSIS OF SAMPLES FOR POLYCHLORINATED BIPHENYLS

See 1:5 dilution 8C
3/22/2002

3/22/2002 8:02:31 AM Result: C:\PEST\GC7\DATAECD\02032001_017.rst

Component Name	Time [min]	Area [µV·s]
	10.82	4519
	10.97	191877
	11.46	5023
	12.34	3121
	12.45	5517
	12.82	13256
	13.06	9942
	13.64	6721
	14.04	5470
	14.30	6511
	14.53	8222
	14.71	70128
	15.09	5380
	15.37	66229
	16.57	16969
	17.06	14833
	17.37	3931
	17.97	4284
	18.14	7616
	18.33	22382
	18.82	56900
	19.11	50064
	19.51	2691
	19.82	96202
	20.00	11170
	20.17	16456
	20.69	21321
	20.90	6008
	21.21	35442
	21.54	12184
	21.93	8895
	22.19	10154
	22.34	33977
	22.49	745057
	22.75	26326
	23.20	337652
	23.44	1649882
	23.65	135854
	23.91	27192
	24.10	10668
	24.32	64663
	24.53	345579
	24.80	369969
	24.93	1152262
	25.41	2753090
	25.58	1715725
	25.89	4813941
	26.32	541474
	26.61	1328290
	26.84	11096175
	27.38	4840453
	27.71	1093975
	27.95	10536003
	28.26	1189493

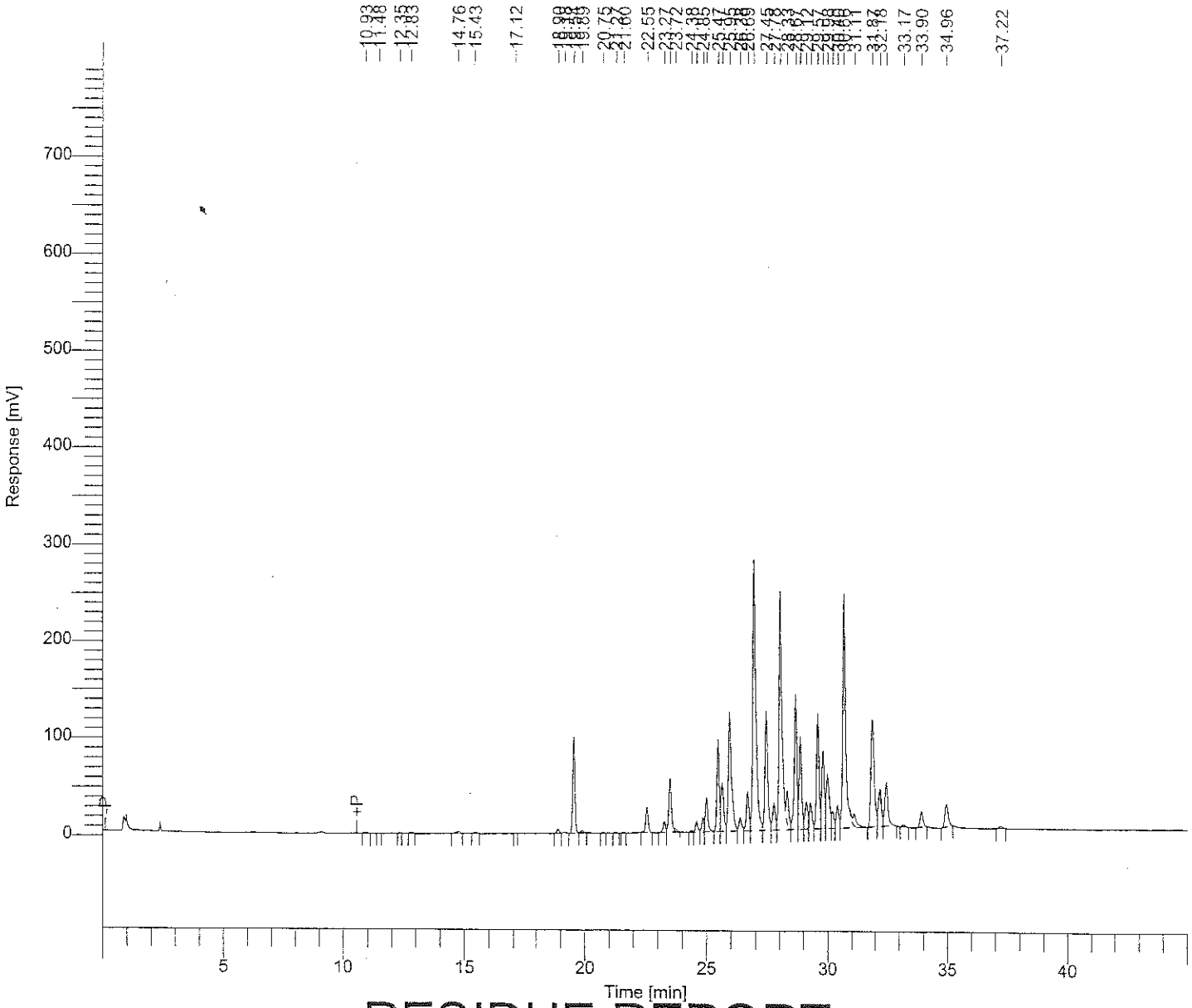
3/22/2002 8:02:31 AM Result: C:\PEST\GC7\DATAECD\02032001_017.rst

Component Name	Time [min]	Area [µV·s]
	28.60	4861821
	28.80	3313205
	29.05	1082437
	29.22	1025926
	29.51	3865520
	29.73	2768532
	29.91	2555904
	30.13	638801
	30.32	933941
	30.58	9034029
	31.03	1314387
	31.79	4811953
	32.10	1627052
	32.35	2210594
	33.05	235389
	33.80	665361
	34.84	1207917
	35.12	125700
	37.07	148978
	38.24	19777
		88054339

Warning -- Signal level out-of-range in peak

Software Version	: 6.1.1.0.0:K20	Date	: 3/22/2002 8:01:23 AM
Sample Name	: 55569 1:5	Data Acquisition Time	: 3/21/2002 7:28:36 PM
Instrument Name	: GC07	Channel	: B
Rack/Vial	: 0/0	Operator	: manager
Sample Amount	: 50.000000	Dilution Factor	: 5.000000
Cycle	: 8		

Result File : C:\PEST\GC7\DATAECD\02032001_008.rst
Sequence File : C:\PEST\GC7\SEQUENCE\ECD\02032001.seq



RESIDUE REPORT

ANALYSIS OF SAMPLES FOR POLYCHLORINATED BIPHENYLS

Arochlor 1260

Σ area = 1842888

ng/inj = (1842888)(4.4914x10^-6)

= 8.2771

mg/kg = $\frac{8.2771}{50} \times \frac{100}{50} \times \frac{2}{2} \times 5$

= 1.6554

Arochlor 1254 Σ area = 3/25/2002

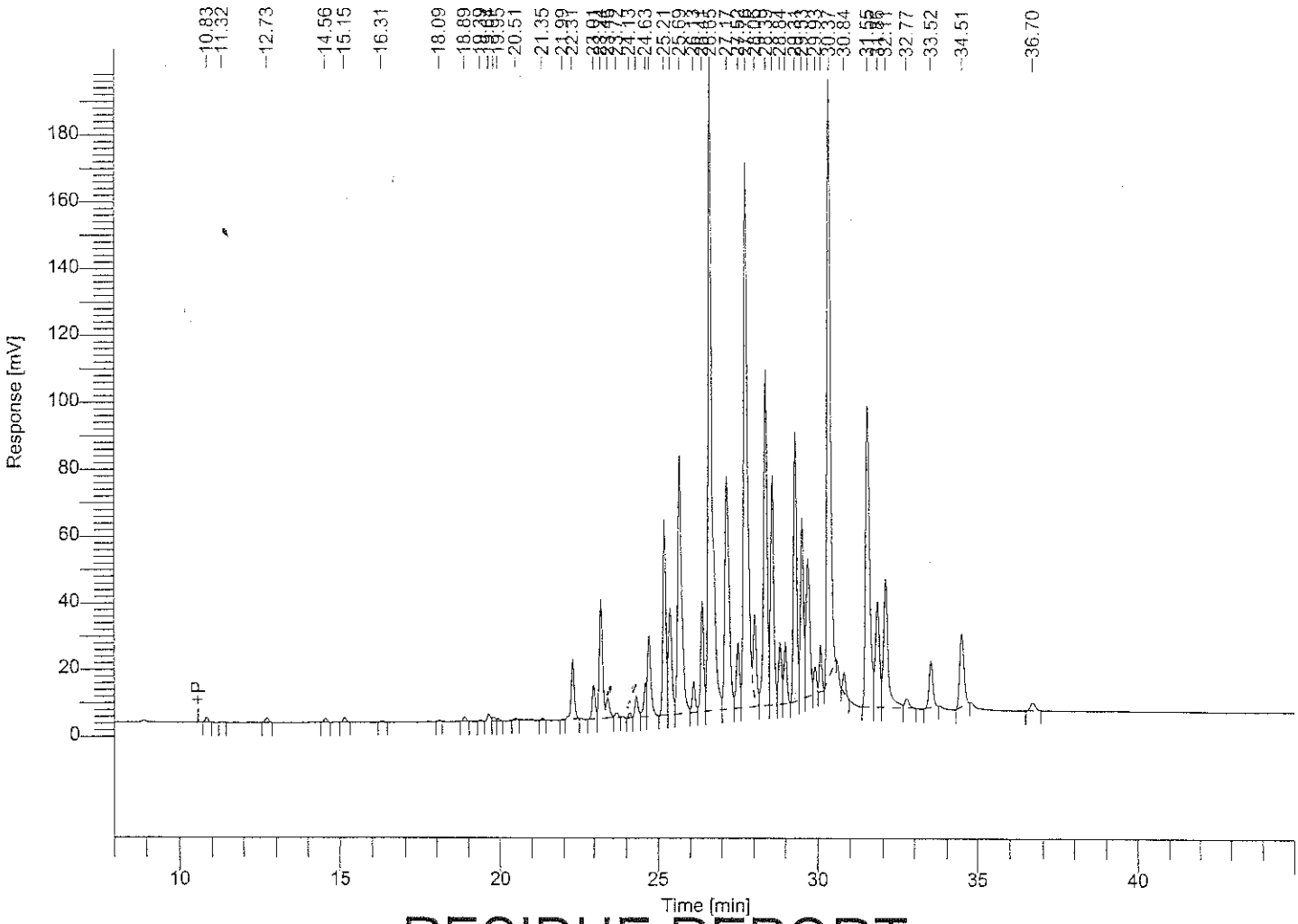
3/22/2002 8:01:23 AM Result: C:\PEST\GC7\DATAECD\02032001_008.rst

Component Name	Time [min]	Area [µV·s]
	10.93	10789
	11.48	3185
	12.35	3290
	12.83	10403
	14.76	22436
	15.43	11752
	17.12	2376
	18.90	31282
	19.18	10665
	19.54	630045
	19.89	22009
	20.75	4163
	21.27	6530
	21.60	4148
	22.55	179616
	23.27	78775
	23.50	408585
	23.72	21016
	24.38	13409
	24.59	77763
	24.85	91242
	25.00	271528
	25.47	641644
	25.65	405373
	25.95	1086042
	26.38	112423
	26.69	290564
	26.94	2441419
	27.45	1035662
	27.78	231777
	28.03	2248787
	28.33	256888
	28.67	1042280
	28.87	738533
	29.12	226507
	29.29	208001
	29.57	844643
	29.79	612241
	29.98	563868
	30.20	126325
	30.40	187579
	30.66	2127262
	31.11	174743
	31.87	1058625
	32.18	350078
	32.44	434185
	33.17	19322
	33.90	146750
	34.96	236388
	37.22	27377
		19790290

Aroclor 1260

Software Version	: 6.1.1.0.0:K20	Date	: 3/25/2002 11:07:41 AM
Sample Name	: 55570 1:50	Data Acquisition Time	: 3/24/2002 10:10:56 AM
Instrument Name	: GC07	Channel	: B
Rack/Vial	: 0/0	Operator	: manager
Sample Amount	: 50.000000	Dilution Factor	: 50.000000
Cycle	: 49		

Result File : C:\PEST\GC7\DATAECD\AROCHLOR_049.rst
Sequence File : C:\PEST\GC7\SEQUENCE\ECD\AROCHLOR ANALYSIS.seq



RESIDUE REPORT

ANALYSIS OF SAMPLES FOR POLYCHLORINATED BIPHENYLS

Component Name	Time [min]	Area [µV·s]
	10.83	9519
	12.73	10015
	14.56	7580
	15.15	9931
	16.31	3478
	18.89	8651
	19.39	2218

Arochlor 1260
Σarea = 1436120
ng/inj = (1436120)(3.7262 x 10^{-6})
= 5.3513

ppm = $\frac{5.3513}{50} \times \frac{100}{50} \times \frac{2}{2} \times 50$ = 10.7026

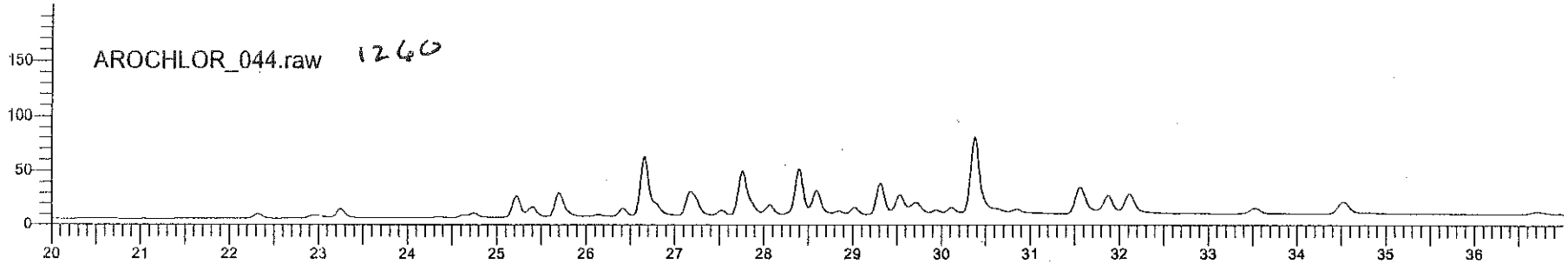
Arochlor 1254 (per DKK)
Σarea = 91543
ng/inj = 91543 (2.3016 x 10^{-5})
= 2.1069

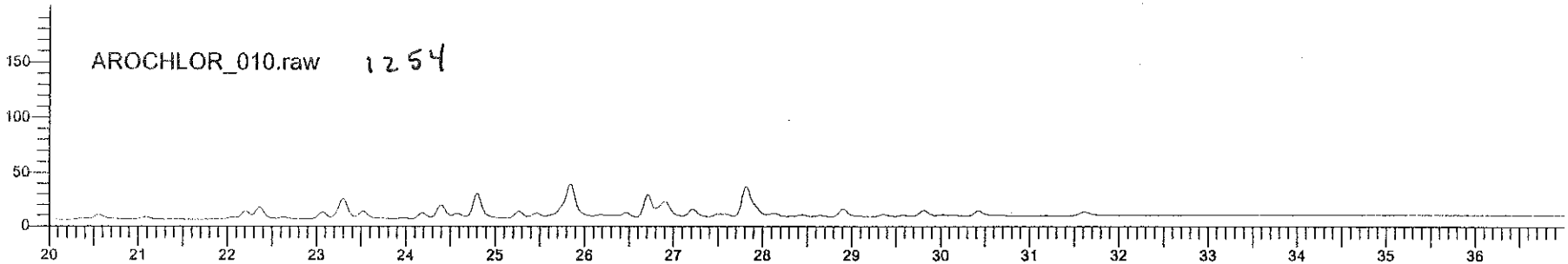
mg/kg = $\frac{2.1069}{50} \times \frac{100}{50} \times \frac{2}{2} \times 50$ = 4.2139

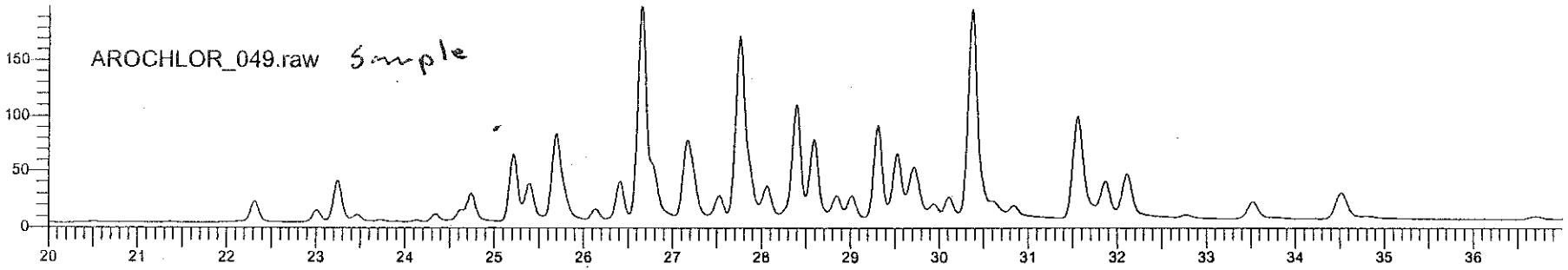
3/25/2002 11:07:41 AM Result: C:\PEST\GC7\DATAECD\AROCHLOR_049.rst

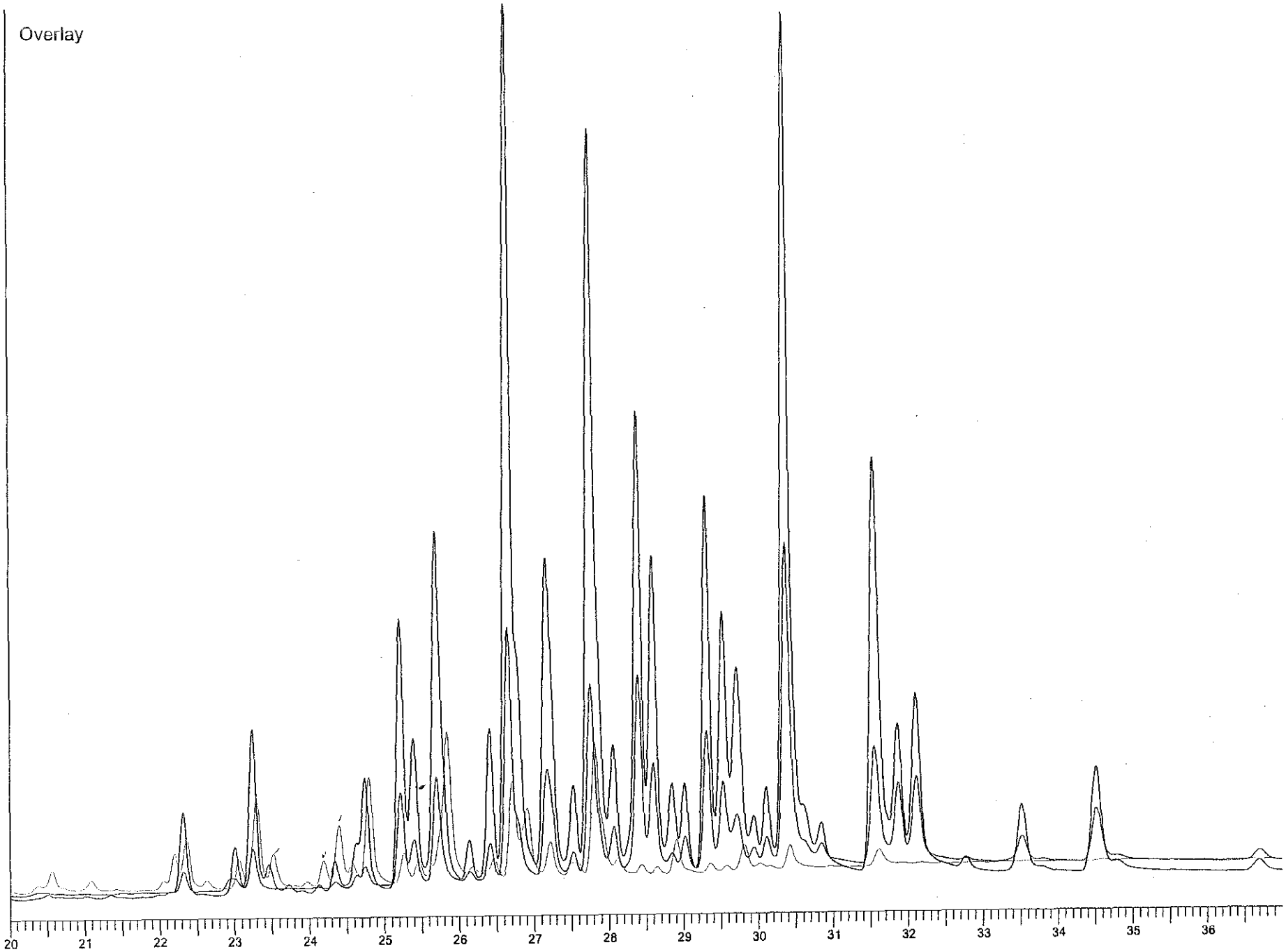
Component Name	Time [min]	Area [µV·s]	
	19.64	14503	
	19.81	9428	
	19.95	5165	
	20.51	3737	
	21.35	3411	
	21.99	2087	
	22.31	129086	
	23.01	69528	
	23.24	260789	
	23.46	38021	Aroclor 1254
	23.72	10444	
	24.13	9203	
	24.34	44319	
	24.63	54901	
	24.74	183489	
	25.21	388452	
	25.39	244043	
	25.69	674624	
	26.13	63608	
	26.41	221009	
	26.65	1639843	
	27.17	644828	
	27.52	142138	
	27.76	1431107	
	28.06	176715	
	28.39	719142	
	28.59	499476	
	28.84	132689	
	29.01	122421	
	29.31	535091	
	29.53	387049	
	29.71	349283	
	29.93	50568	
	30.11	80190	
	30.37	1267160	
	30.84	36363	
	31.55	787974	Aroclor 1260
	31.86	271718	
	32.11	376428	
	32.77	28009	
	33.52	118050	
	34.51	199521	
	36.70	25347	
		12502347	

Plot Title		Start Time	End Time	Scale	Offset
AROCHLOR_044.raw		20.00	37.00	200.00	0.00
Sample Name :	AROCHLOR 1260				
Sample Number:	24				
Instrument File Name:	c:\pest\gc7\methods\ecd\pcb				
AROCHLOR_010.raw		20.00	37.00	200.00	0.00
Sample Name :	AROCLOR 1254				
Sample Number:	07				
Instrument File Name:	c:\pest\gc7\methods\ecd\pcb				
AROCHLOR_049.raw		20.00	37.00	200.00	0.00
Sample Name :	55570 1:50				
Sample Number:	27				
Instrument File Name:	c:\pest\gc7\methods\ecd\pcb				


AROCHLOR_044.raw 1260
150
100
50
0
20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36

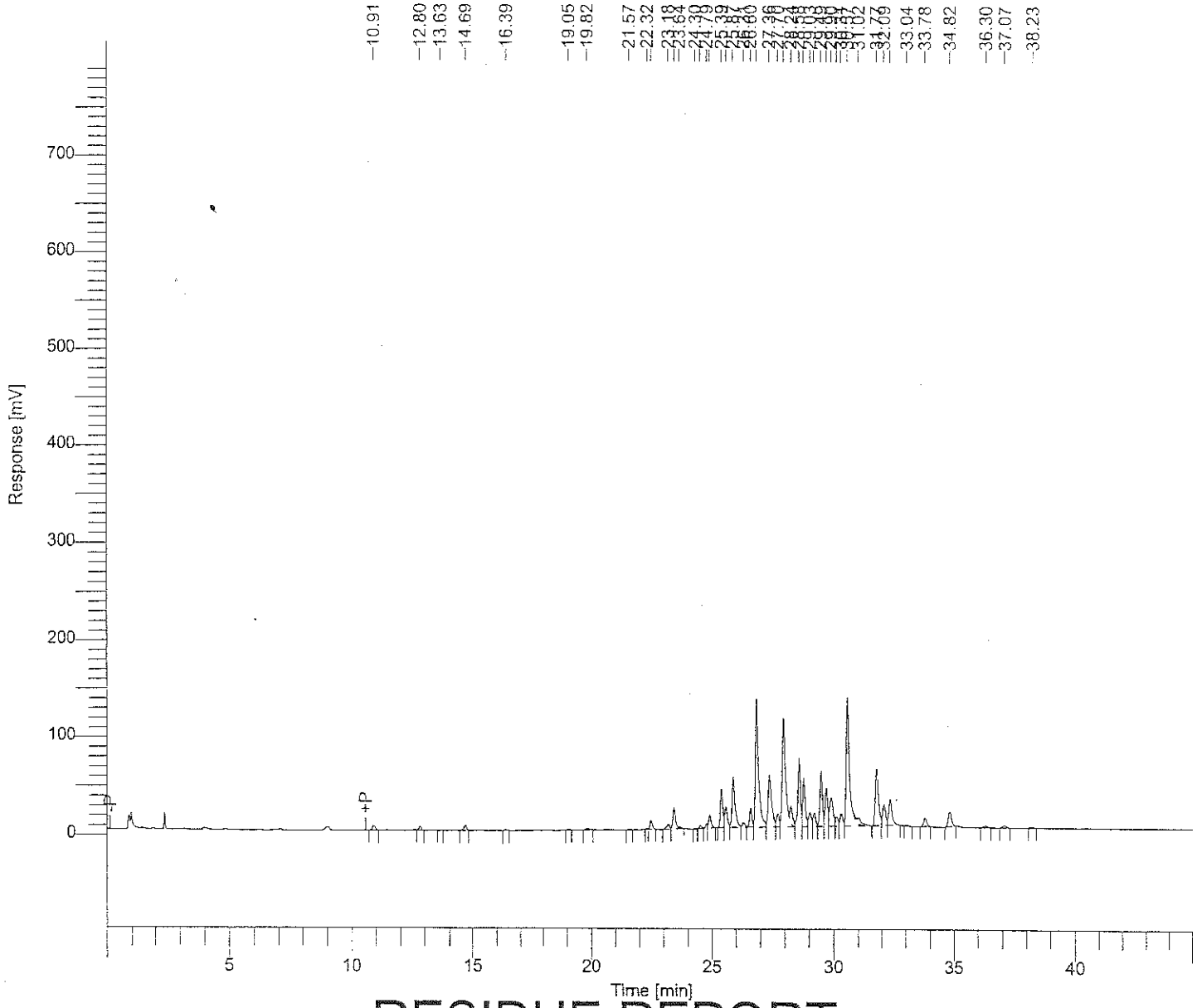

AROCHLOR_010.raw 1254
150
100
50
0
20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36


AROCHLOR_049.raw Sample
150
100
50
0
20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36


Overlay
20
21
22
23
24
25
26
27
28
29
30
31
32
33
34
35
36

Software Version	: 6.1.1.0.0:K20	Date	: 3/22/2002 8:02:46 AM
Sample Name	: 55571	Data Acquisition Time	: 3/22/2002 5:06:45 AM
Instrument Name	: GC07	Channel	: B
Rack/Vial	: 0/0	Operator	: manager
Sample Amount	: 50.000000	Dilution Factor	: 1.000000
Cycle	: 19		

Result File : C:\PEST\GC7\DATAECD\02032001_019.rst
Sequence File : C:\PEST\GC7\SEQUENCE\ECD\02032001.seq



RESIDUE REPORT

ANALYSIS OF SAMPLES FOR POLYCHLORINATED BIPHENYLS

Σarea = 994949

ng/inj = (994949)(4.4914×10^{-6})

= 4.4687

mg/kg = $\frac{4.4687}{50} \times \frac{3}{2} \times \frac{100}{50}$ = 0.1787

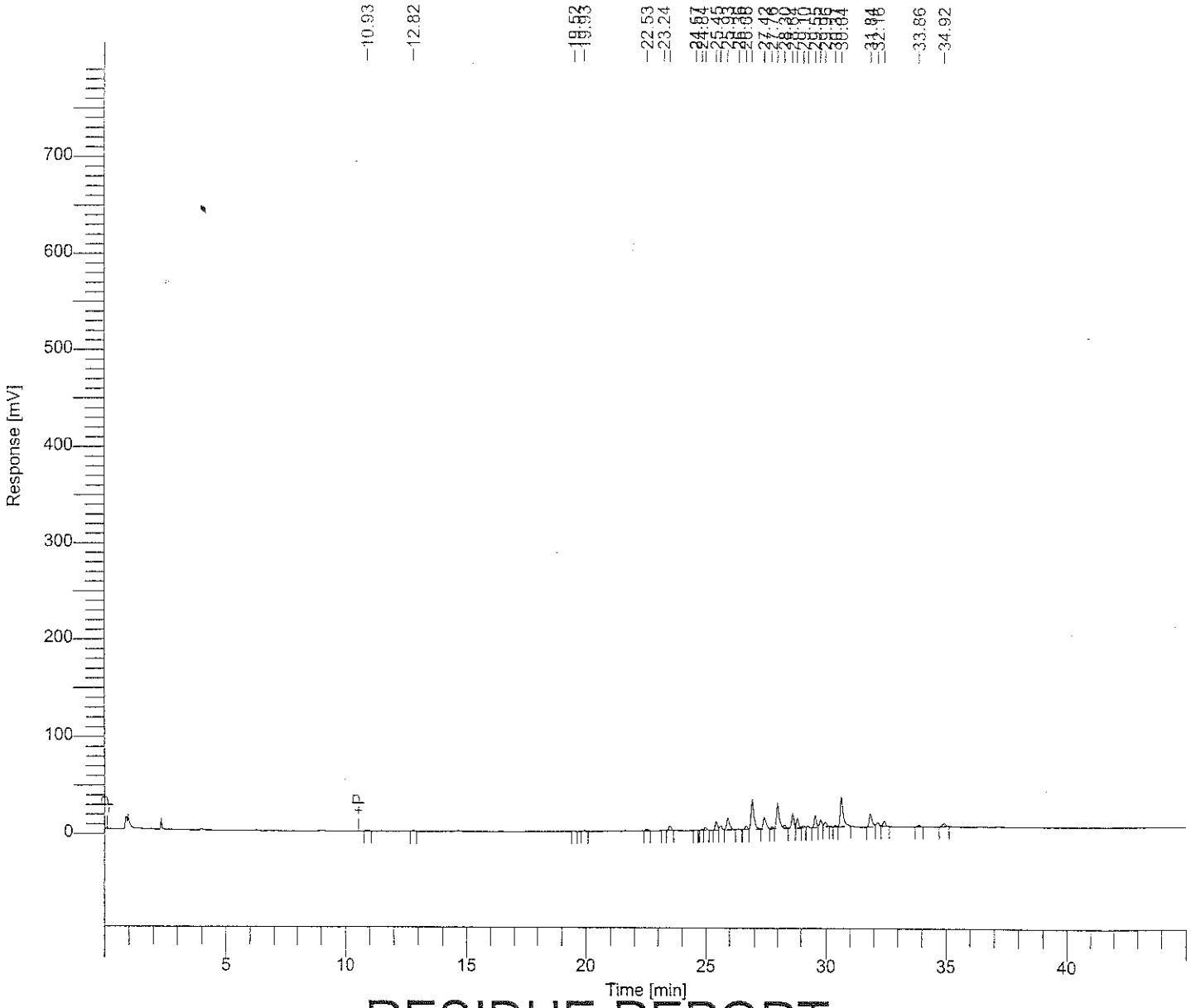
3/22/2002 8:02:46 AM Result: C:\PEST\GC7\DATAECD\02032001_019.rst

Component Name	Time [min]	Area [µV·s]
	10.91	40529
	12.80	29139
	13.63	4128
	14.69	44780
	16.39	9108
	19.05	7156
	19.82	18199
	21.57	7807
	22.32	4134
	22.48	60386
	23.18	46532
	23.42	163433
	23.64	13955
	24.30	3317
	24.52	24162
	24.79	26987
	24.92	98386
	25.39	267482
	25.57	167150
	25.87	468533
	26.31	39159
	26.60	130848
	26.85	1197573
	27.36	544761
	27.70	109647
	27.95	1061842
	28.24	138719
	28.58	536288
	28.78	395157
	29.03	114178
	29.20	108174
	29.49	406580
	29.71	302175
	29.90	284331
	30.12	73035
	30.31	102969
	30.57	1250437
	31.02	105124
	31.77	550884
	32.09	191546
	32.34	252519
	33.04	11384
	33.78	78380
	34.82	149453
	36.30	19937
	37.07	26419
	38.23	10178
		9697001

Aroclor 1260

Software Version	: 6.1.1.0.0:K20	Date	: 3/22/2002 8:01:37 AM
Sample Name	: 55571 1:5	Data Acquisition Time	: 3/21/2002 9:13:45 PM
Instrument Name	: GC07	Channel	: B
Rack/Vial	: 0/0	Operator	: manager
Sample Amount	: 50.000000	Dilution Factor	: 5.000000
Cycle	: 10		

Result File : C:\PEST\GC7\DATAECD\02032001_010.rst
Sequence File : C:\PEST\GC7\SEQUENCE\ECD\02032001.seq



RESIDUE REPORT

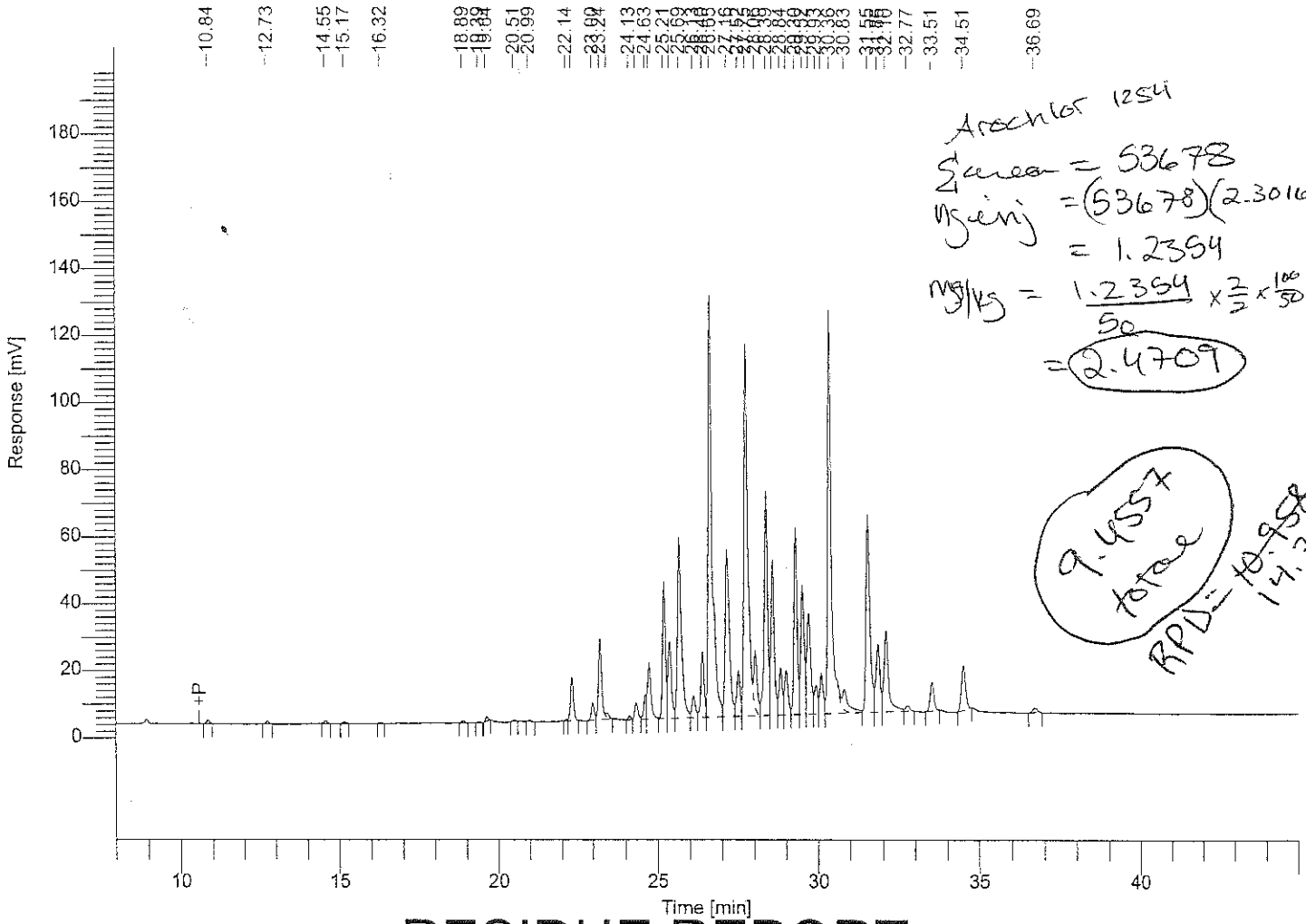
ANALYSIS OF SAMPLES FOR POLYCHLORINATED BIPHENYLS

3/22/2002 8:01:37 AM Result: C:\PEST\GC7\DATAECD\02032001_010.rst

Component Name	Time [min]	Area [µV·s]
	10.93	12638
	12.82	8734
	19.52	6057
	19.93	7570
	22.53	12271
	23.24	3933
	23.48	32219
	24.57	4074
	24.84	5291
	24.98	19910
	25.45	61326
	25.63	34604
	25.93	107679
	26.36	5803
	26.66	25145
	26.91	269156
	27.42	110591
	27.76	17541
	28.01	239804
	28.30	22825
	28.64	110365
	28.84	76865
	29.10	19243
	29.27	15609
	29.55	83304
	29.77	54631
	29.96	40176
	30.37	10424
	30.64	263072
	31.84	128687
	32.16	38563
	32.41	45450
	33.86	16209
	34.92	32988
		1942760

Software Version	: 6.1.1.0.0:K20	Date	: 3/25/2002 11:07:53 AM
Sample Name	: 55572 1:50	Data Acquisition Time	: 3/24/2002 11:56:10 AM
Instrument Name	: GC07	Channel	: B
Rack/Vial	: 0/0	Operator	: manager
Sample Amount	: 50.000000	Dilution Factor	: 50.000000
Cycle	: 51		

Result File : C:\PEST\GC7\DATAECD\AROCHLOR_051.rst
Sequence File : C:\PEST\GC7\SEQUENCE\ECD\AROCHLOR ANALYSIS.seq



RESIDUE REPORT

ANALYSIS OF SAMPLES FOR POLYCHLORINATED BIPHENYLS

Component Name	Time [min]	Area [µV·s]
	10.84	6974
	12.73	5841
	14.55	5758
	15.17	4510
	16.32	2050
	18.89	4208
	19.64	7163

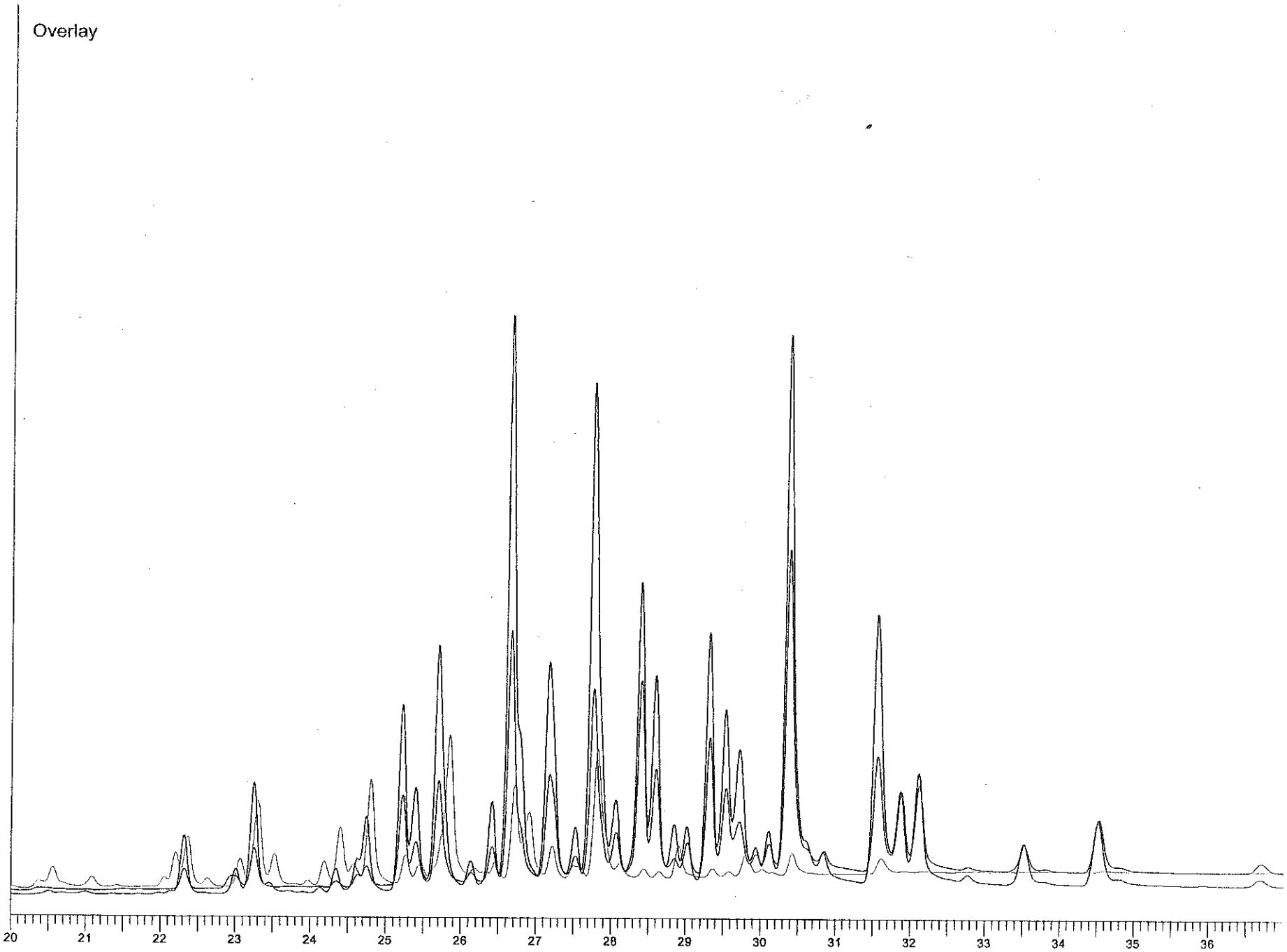
Σarea = 937253
ng/inj = (937253)(3.7262 x 10^-6)
= 3.4924
mg/kg = 3.4924/50 x 100/50 x 2/2 x 50 = 6.9848

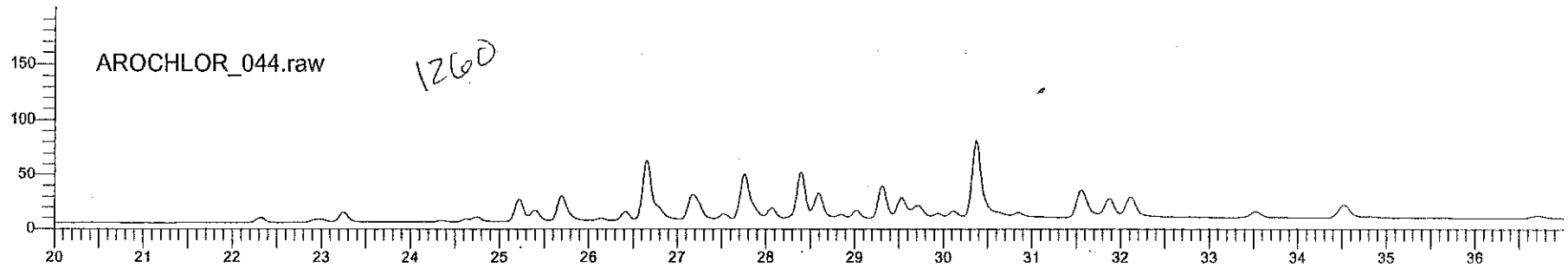
Arochlor 1260 RPD = 13.912

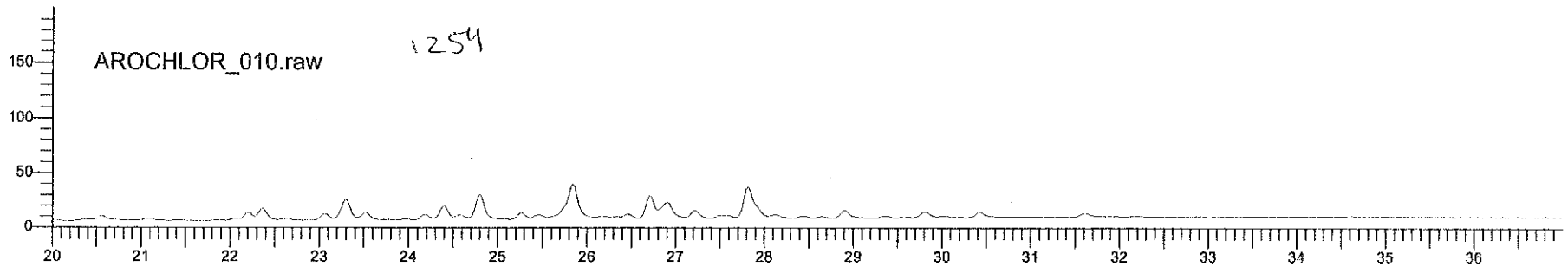
3/25/2002 11:07:53 AM Result: C:\PEST\GC7\DATAECD\AROCHLOR_051.rst

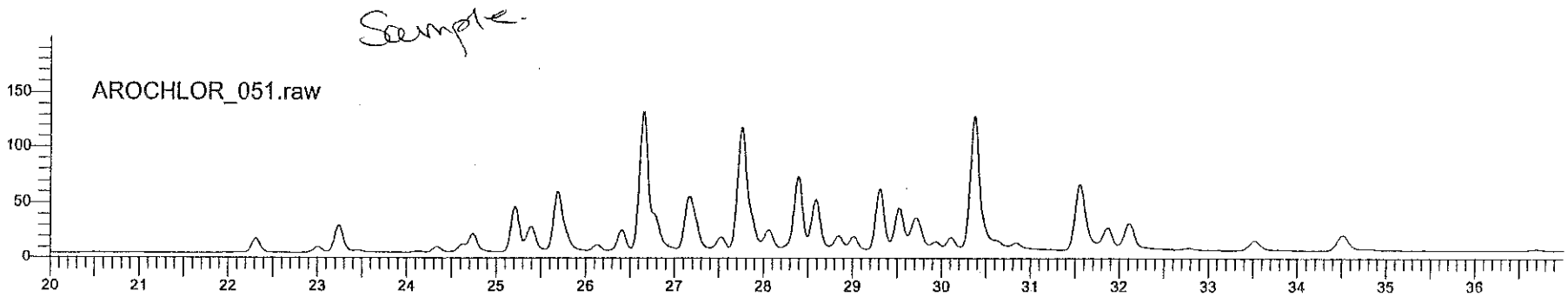
Component Name	Time [min]	Area [µV·s]	
	20.51	3040	
	20.99	3144	
	22.14	2430	
	22.31	86979	
	23.00	36810	
	23.24	175523	
	23.45	10679	Arochlor 1254
	24.13	7194	
	24.34	35805	
	24.63	39785	
	24.74	130086	
	25.21	274544	
	25.39	177887	
	25.69	472552	
	26.13	49955	
	26.40	137453	
	26.65	1102549	
	27.16	475173	
	27.52	103560	
	27.75	998965	
	28.06	128447	
	28.39	493032	
	28.59	348924	
	28.84	106431	
	29.01	100406	
	29.30	387576	
	29.52	285064	
	29.71	271338	
	29.93	63027	
	30.10	92671	
	30.36	1038667	
	30.83	90719	
	31.55	520105	Arochlor 1260
	31.86	174700	
	32.10	242448	
	32.77	15651	
	33.51	72213	
	34.51	120508	
	36.69	14601	
		8927146	

Plot Title		Start Time	End Time	Scale	Offset
AROCHLOR_044.raw		20.00	37.00	200.00	0.00
Sample Name :	AROCHLOR 1260				
Sample Number:	24				
Instrument File Name:	c:\pest\gc7\methods\ecd\pcb				
AROCHLOR_010.raw		20.00	37.00	200.00	0.00
Sample Name :	AROCLOR 1254				
Sample Number:	07				
Instrument File Name:	c:\pest\gc7\methods\ecd\pcb				
AROCHLOR_051.raw		20.00	37.00	200.00	0.00
Sample Name :	55572 1:50				
Sample Number:	28				
Instrument File Name:	c:\pest\gc7\methods\ecd\pcb				


Overlay
20
21
22
23
24
25
26
27
28
29
30
31
32
33
34
35
36

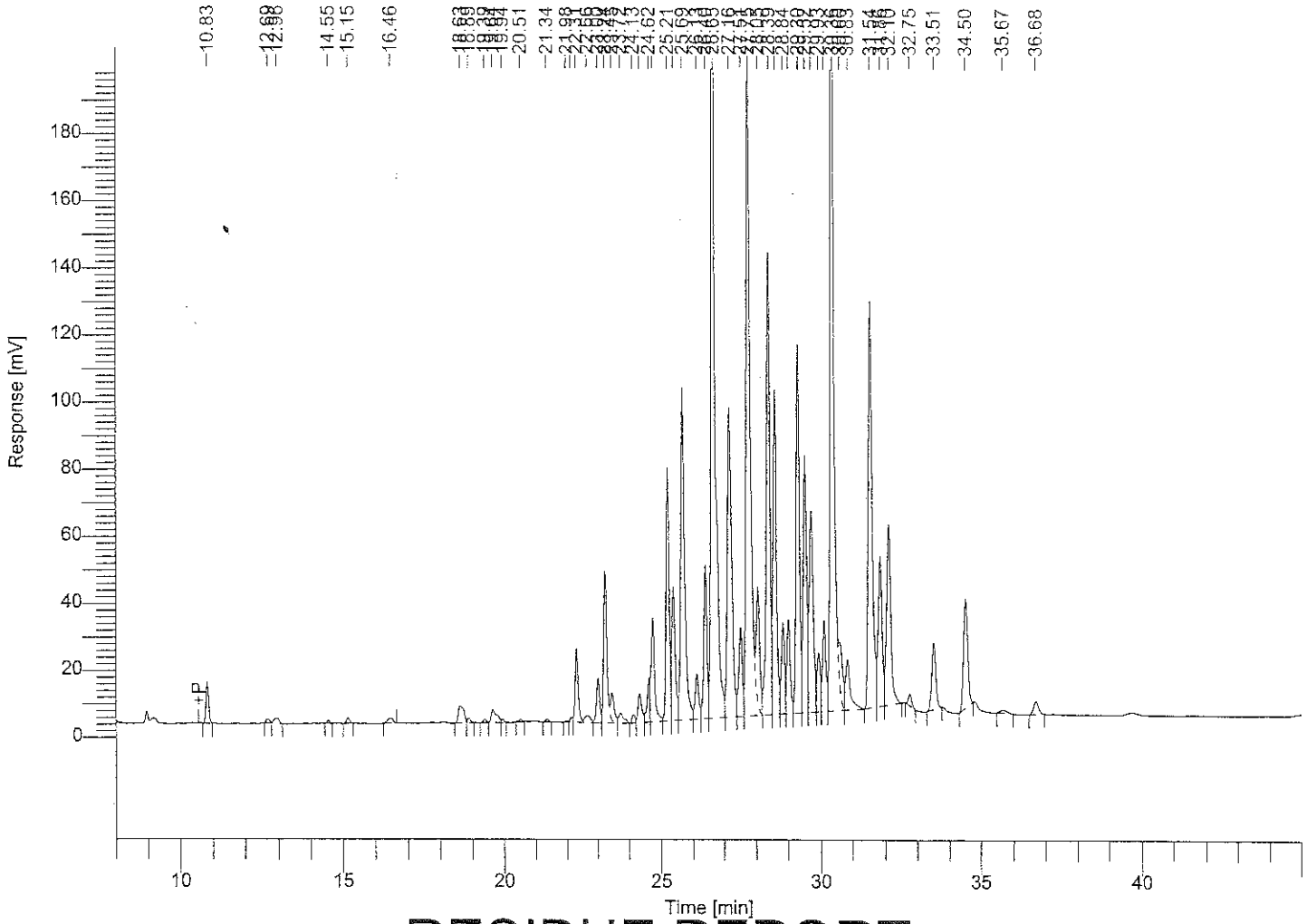

AROCHLOR_044.raw
1260
150
100
50
0
20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36


AROCHLOR_010.raw
1254
150
100
50
0
20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36


Sample.
AROCHLOR_051.raw
150
100
50
0
20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36

Software Version	: 6.1.1.0.0:K20	Date	: 3/25/2002 11:08:16 AM
Sample Name	: 55573 1:50	Data Acquisition Time	: 3/24/2002 3:26:37 PM
Instrument Name	: GC07	Channel	: B
Rack/Vial	: 0/0	Operator	: manager
Sample Amount	: 50.000000	Dilution Factor	: 50.000000
Cycle	: 55		

Result File : C:\PEST\GC7\DATAECD\AROCHLOR_055.rst
Sequence File : C:\PEST\GC7\SEQUENCE\ECD\AROCHLOR ANALYSIS.seq



RESIDUE REPORT

ANALYSIS OF SAMPLES FOR POLYCHLORINATED BIPHENYLS

Component Name	Time [min]	Area [µV·s]
	10.83	71283
	12.69	8484
	12.96	16008
	14.55	5155
	15.15	12046
	16.46	17058
	18.63	64036

Aroclor 1260

Σarea = 1912948

ng/inj = (1912948)(3.7262 x 10^-6)

= 7.1281

mg/kg = $\frac{7.1281}{50} \times \frac{100}{50} \times \frac{2}{2} \times 50$ = 14.2562

Aroclor 1254

Σarea = 149700

ng/inj = (149700)(2.3016 x 10^-5)

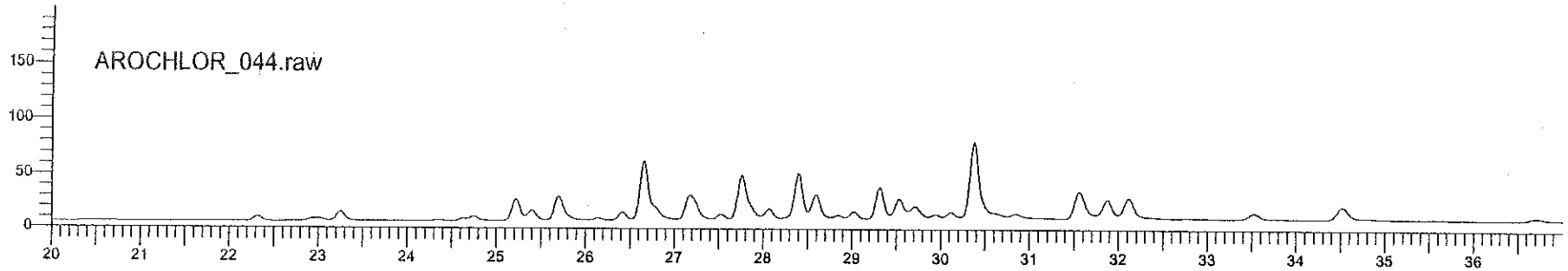
= ~~3.4455~~ 3.4455

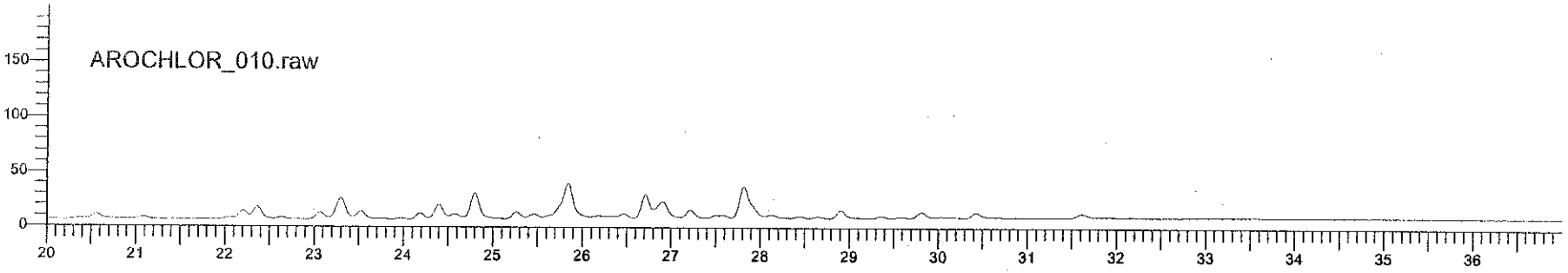
mg/kg = $\frac{3.4455}{50} \times \frac{100}{50} \times \frac{2}{2} \times 50$ = 6.8909

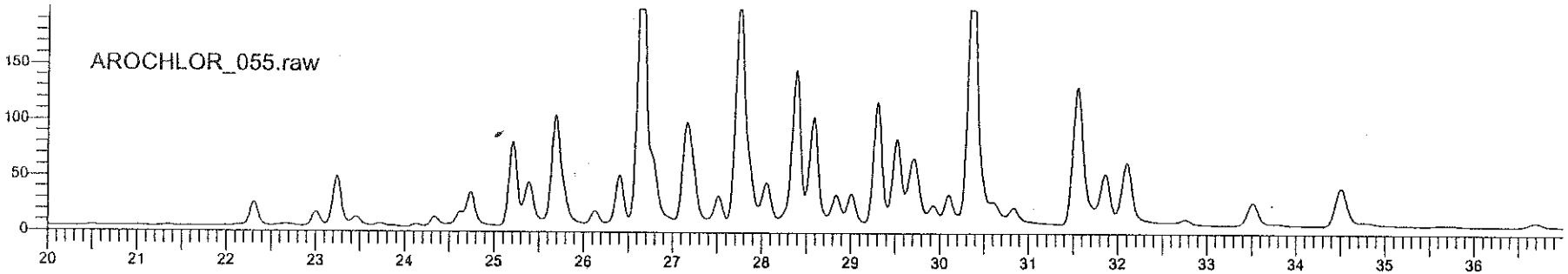
3/25/2002 11:08:16 AM Result: C:\PEST\GC7\DATAECD\AROCHLOR_055.rst

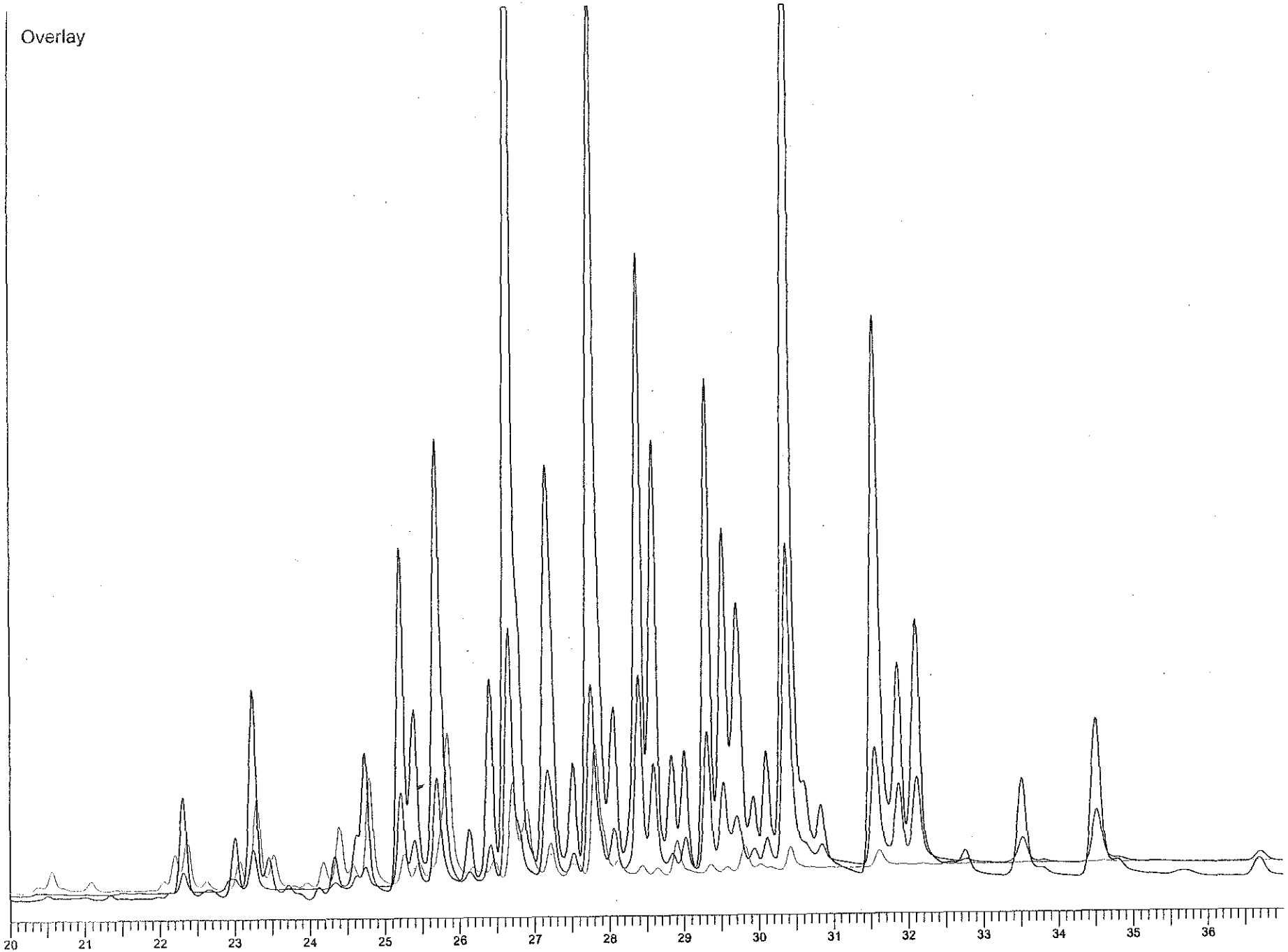
Component Name	Time [min]	Area [µV·s]	
	18.89	9517	
	19.39	7259	
	19.64	46878	
	19.94	6177	
	20.51	4493	
	21.34	5220	
	21.98	2577	
	22.14	7687	
	22.31	155414	
	22.66	26806	
	23.00	93092	
	23.24	336875	
	23.45	63712	Arochlor 1254
	23.72	34602	
	24.13	17753	
	24.33	68235	
	24.62	78064	
	24.73	251845	
	25.21	510810	
	25.39	319831	
	25.69	885047	
	26.13	106016	
	26.40	324399	
	26.65	2223943	
	27.16	880295	
	27.51	202378	
	27.75	1805355	
	28.05	253910	
	28.39	1013964	
	28.58	719401	
	28.84	206904	
	29.01	209914	
	29.30	761463	
	29.52	566513	
	29.71	539967	
	29.93	128828	
	30.10	206378	
	30.36	2039975	
	30.60	128969	
	30.83	162189	
	31.54	1059746	Arochlor 1260
	31.86	376930	
	32.10	476272	
	32.75	25647	
	33.51	170492	
	34.50	299235	
	35.67	13499	
	36.68	40635	
		18069182	

Plot Title		Start Time	End Time	Scale	Offset
AROCHLOR_044.raw		20.00	37.00	200.00	0.00
Sample Name :	AROCHLOR 1260				
Sample Number:	24				
Instrument File Name:	c:\pest\gc7\methods\ecd\pcb				
AROCHLOR_010.raw		20.00	37.00	200.00	0.00
Sample Name :	AROCLOR 1254				
Sample Number:	07				
Instrument File Name:	c:\pest\gc7\methods\ecd\pcb				
AROCHLOR_055.raw		20.00	37.00	200.00	0.00
Sample Name :	55573 1:50				
Sample Number:	30				
Instrument File Name:	c:\pest\gc7\methods\ecd\pcb				


AROCHLOR_044.raw
150
100
50
0
20
21
22
23
24
25
26
27
28
29
30
31
32
33
34
35
36

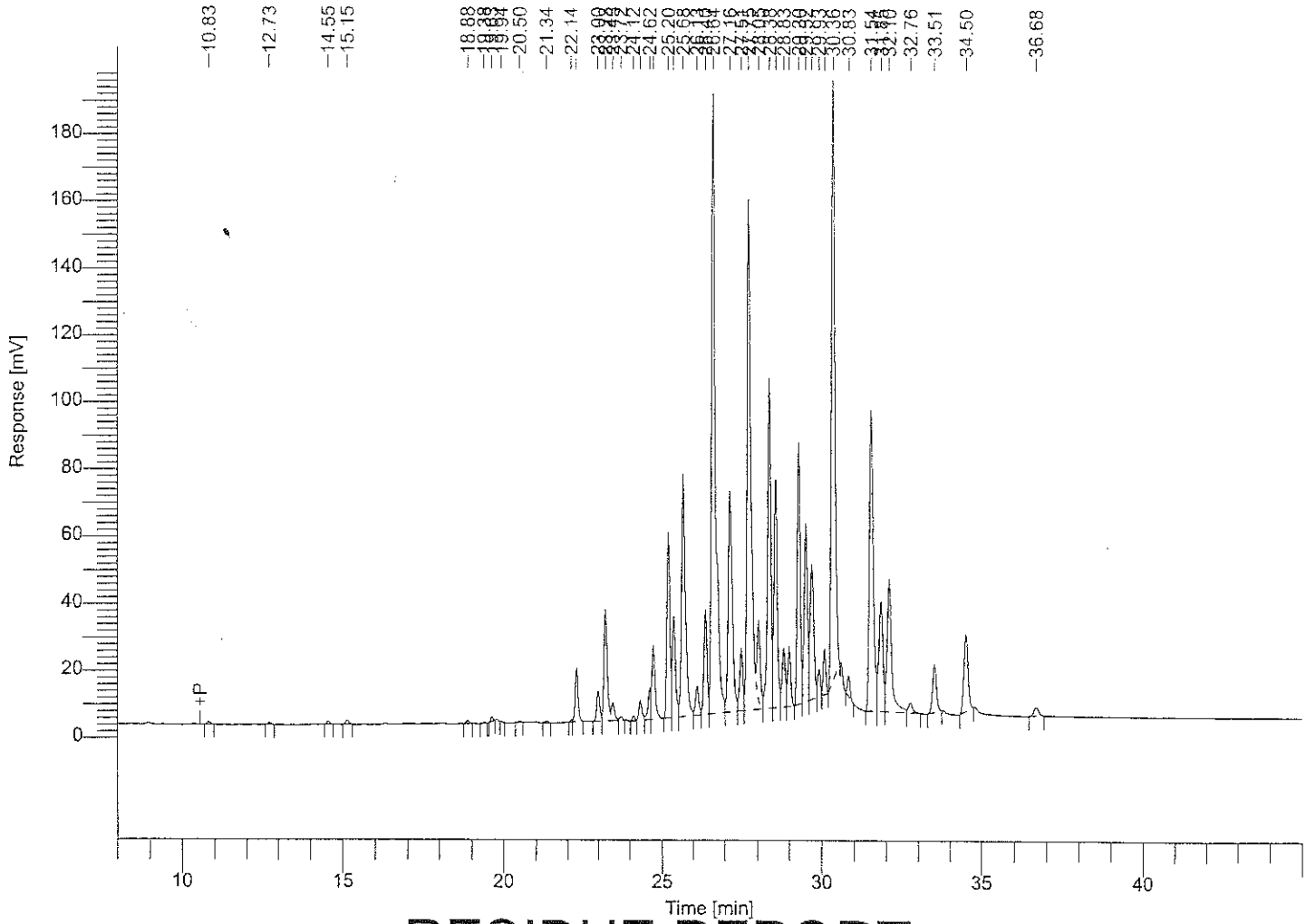

AROCHLOR_010.raw
150
100
50
0
20
21
22
23
24
25
26
27
28
29
30
31
32
33
34
35
36


AROCHLOR_055.raw
150
100
50
0
20
21
22
23
24
25
26
27
28
29
30
31
32
33
34
35
36


Overlay
20
21
22
23
24
25
26
27
28
29
30
31
32
33
34
35
36

Software Version	: 6.1.1.0.0:K20	Date	: 3/25/2002 11:08:28 AM
Sample Name	: 55574 1:50	Data Acquisition Time	: 3/24/2002 5:11:51 PM
Instrument Name	: GC07	Channel	: B
Rack/Vial	: 0/0	Operator	: manager
Sample Amount	: 50.000000	Dilution Factor	: 50.000000
Cycle	: 57		

Result File : C:\PEST\GC7\DATAECD\AROCHLOR_057.rst
Sequence File : C:\PEST\GC7\SEQUENCE\ECD\AROCHLOR ANALYSIS.seq



RESIDUE REPORT

ANALYSIS OF SAMPLES FOR POLYCHLORINATED BIPHENYLS

Component Name	Time [min]	Area [µV·s]
	10.83	5318
	12.73	4604
	14.55	6624
	15.15	8690
	18.88	6108
	19.38	2254
	19.63	7556

Arochlor 1260

Area = 1453136

ng/inj = (1453136)(3.7262 x 10^-6)

= 5.4147

mg/kg = 5.4147 / 50 x 100/50 x 2/2 x 50 = 10.8294

Arochlor 1254

Area = 83678

ng/inj = (83678)(2.3016 x 10^-5)

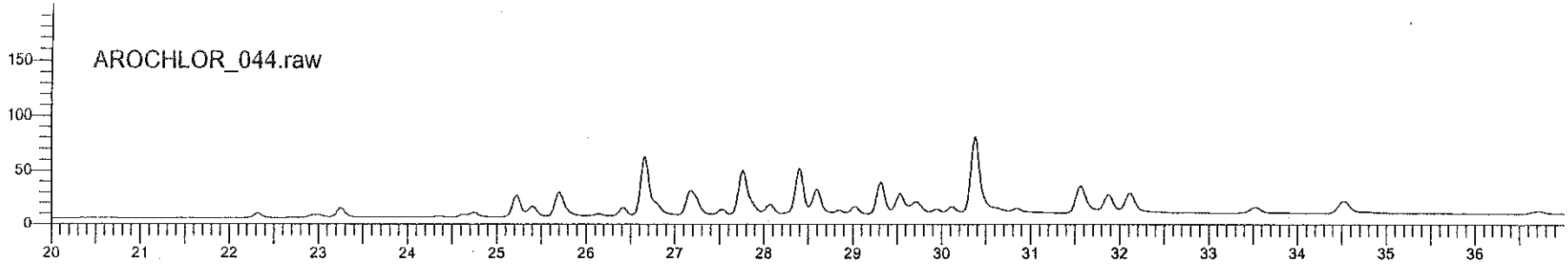
= 1.9259

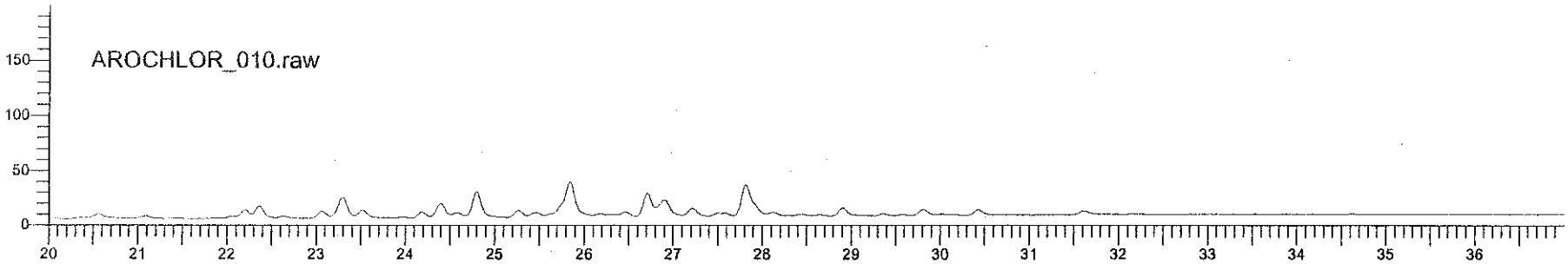
mg/kg = 1.9259 / 50 x 100/50 x 2/2 x 50 = 3.8518

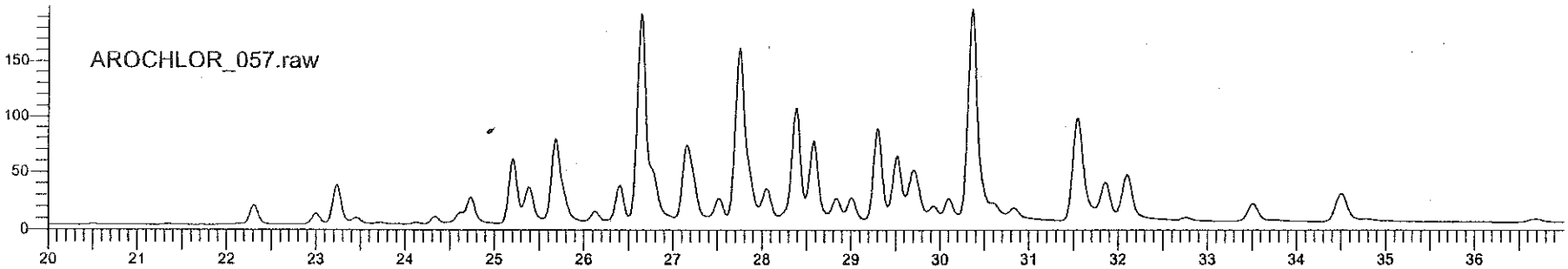
3/25/2002 11:08:28 AM Result: C:\PEST\GC7\DATAECD\AROCHLOR_057.rst

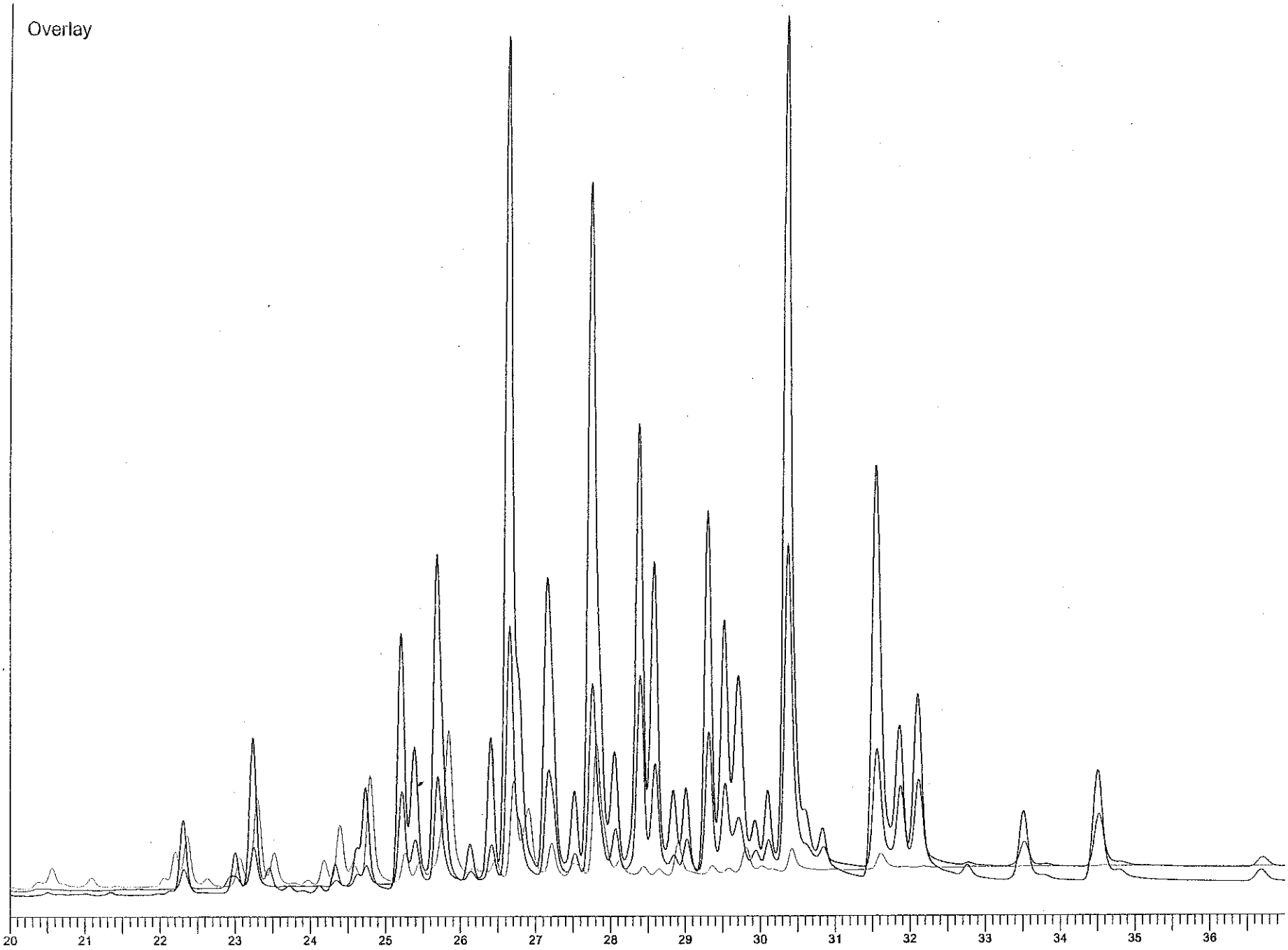
Component Name	Time [min]	Area [µV·s]	
	20.50	3008	
	21.34	3280	
	22.14	3351	
	22.31	107904	
	23.00	59062	
	23.23	240603	Arochlor 1254
	23.45	34597	
	23.72	8341	
	24.12	8329	
	24.33	40752	
	24.62	49785	
	24.73	170233	
	25.20	365586	
	25.38	230246	
	25.68	626828	
	26.13	62707	
	26.40	210334	
	26.64	1563537	
	27.16	610476	
	27.51	136042	
	27.75	1344604	
	28.05	169577	
	28.38	701337	
	28.58	493573	
	28.83	125928	
	29.01	119115	
	29.30	520604	
	29.52	375832	
	29.70	338266	
	29.93	49884	
	30.10	79250	
	30.36	1268817	
	30.83	36437	
	31.54	785189	Arochlor 1260
	31.85	280093	
	32.10	387854	
	32.76	29172	
	33.51	121730	
	34.50	209461	
	36.68	26946	
		12039824	

Plot Title		Start Time	End Time	Scale	Offset
AROCHLOR_044.raw		20.00	37.00	200.00	0.00
Sample Name :	AROCHLOR 1260				
Sample Number:	24				
Instrument File Name:	c:\pest\gc7\methods\ecd\pcb				
AROCHLOR_010.raw		20.00	37.00	200.00	0.00
Sample Name :	AROCLOR 1254				
Sample Number:	07				
Instrument File Name:	c:\pest\gc7\methods\ecd\pcb				
AROCHLOR_057.raw		20.00	37.00	200.00	0.00
Sample Name :	55574 1:50				
Sample Number:	30				
Instrument File Name:	c:\pest\gc7\methods\ecd\pcb				


AROCHLOR_044.raw
150
100
50
0
20
21
22
23
24
25
26
27
28
29
30
31
32
33
34
35
36

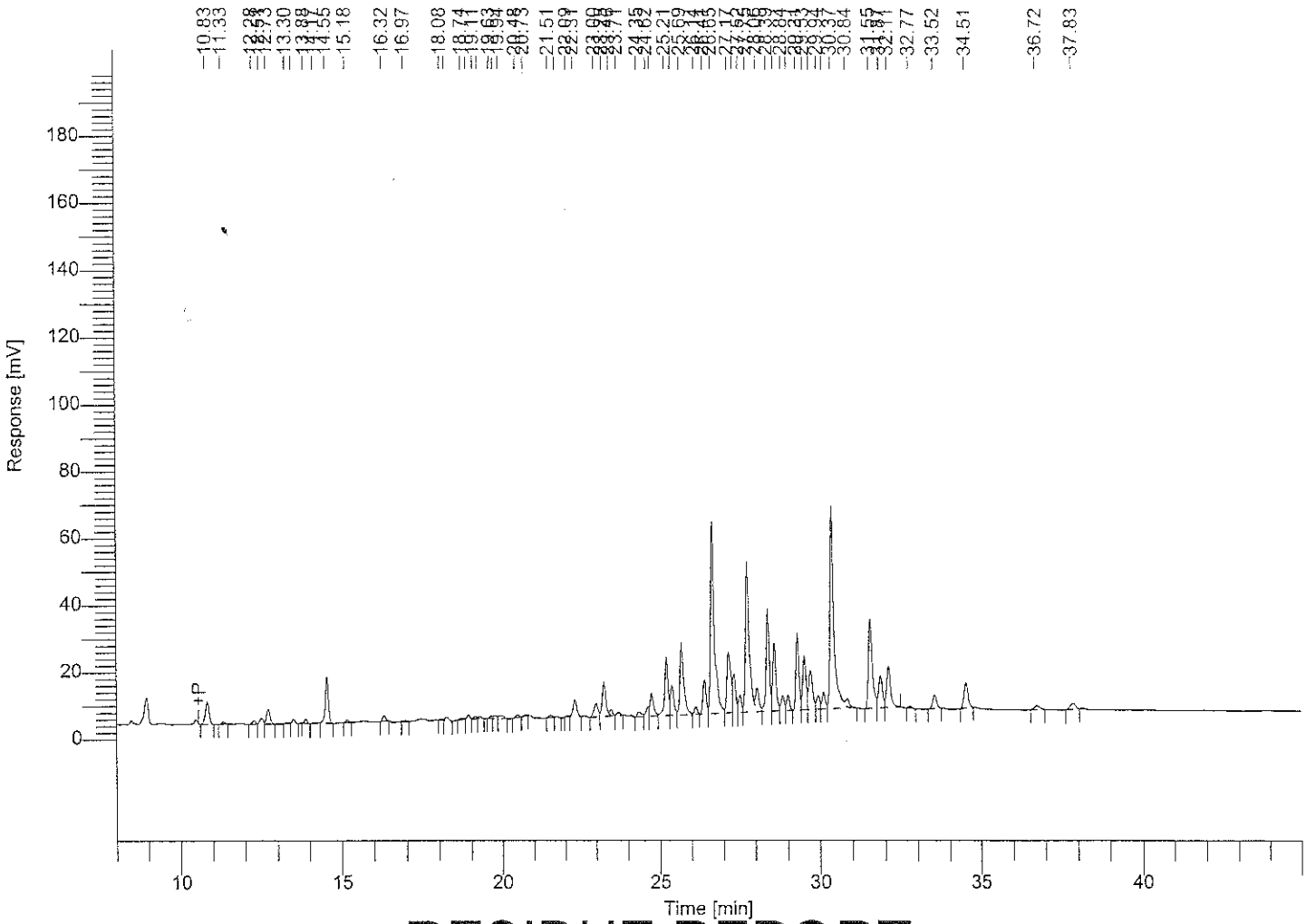

AROCHLOR_010.raw
150
100
50
0
20
21
22
23
24
25
26
27
28
29
30
31
32
33
34
35
36


AROCHLOR_057.raw
150
100
50
0
20
21
22
23
24
25
26
27
28
29
30
31
32
33
34
35
36


Overlay
20
21
22
23
24
25
26
27
28
29
30
31
32
33
34
35
36

Software Version	: 6.1.1.0.0:K20	Date	: 3/25/2002 11:07:29 AM
Sample Name	: 55575	Data Acquisition Time	: 3/24/2002 8:25:41 AM
Instrument Name	: GC07	Channel	: B
Rack/Vial	: 0/0	Operator	: manager
Sample Amount	: 50.000000	Dilution Factor	: 1.000000
Cycle	: 47		

Result File : C:\PEST\GC7\DATAECD\AROCHLOR_047.rst
Sequence File : C:\PEST\GC7\SEQUENCE\ECD\AROCHLOR ANALYSIS.seq



RESIDUE REPORT

ANALYSIS OF SAMPLES FOR POLYCHLORINATED BIPHENYLS

Component Name	Time [min]	Area [µV·s]
	10.83	53130
	11.33	5073
	12.28	7940
	12.51	13532
	12.73	34360
	13.30	3602
	13.49	7843

Σ area = 416132

ng inj = (416132)(3.7262 X10^{-6})

= 1.5506

mg/kg = $\frac{1.5506}{50} \times \frac{100}{50} \times \frac{2}{2}$ = 0.0620

3/25/2002 11:07:29 AM Result: C:\PEST\GC7\DATAECD\AROCHLOR_047.rst

Component Name	Time [min]	Area [µV·s]
	13.88	8428
	14.17	5431
	14.55	95465
	15.18	4735
	16.32	10606
	16.97	2728
	18.08	2846
	18.23	8517
	18.74	5301
	18.91	8202
	19.11	6277
	19.26	4015
	19.63	4193
	19.76	7942
	19.94	11503
	20.48	6569
	20.73	2407
	21.51	7049
	21.71	3275
	22.09	2885
	22.31	42280
	23.00	37495
	23.25	79366
	23.46	11393
	23.71	8547
	24.35	13019
	24.62	19048
	24.74	55642
	25.21	133549
	25.39	68565
	25.69	187837
	26.14	15213
	26.41	67734
	26.65	482846
	27.17	158806
	27.33	80361
	27.52	35680
	27.75	392475
	28.06	46212
	28.39	212870
	28.59	145836
	28.84	33208
	29.01	31309
	29.31	152528
	29.53	113458
	29.71	100563
	29.94	29512
	30.11	34927
	30.37	515980
	30.84	26169
	31.55	228362
	31.87	79947
	32.11	107823
	32.77	4589

Aroclor 1260

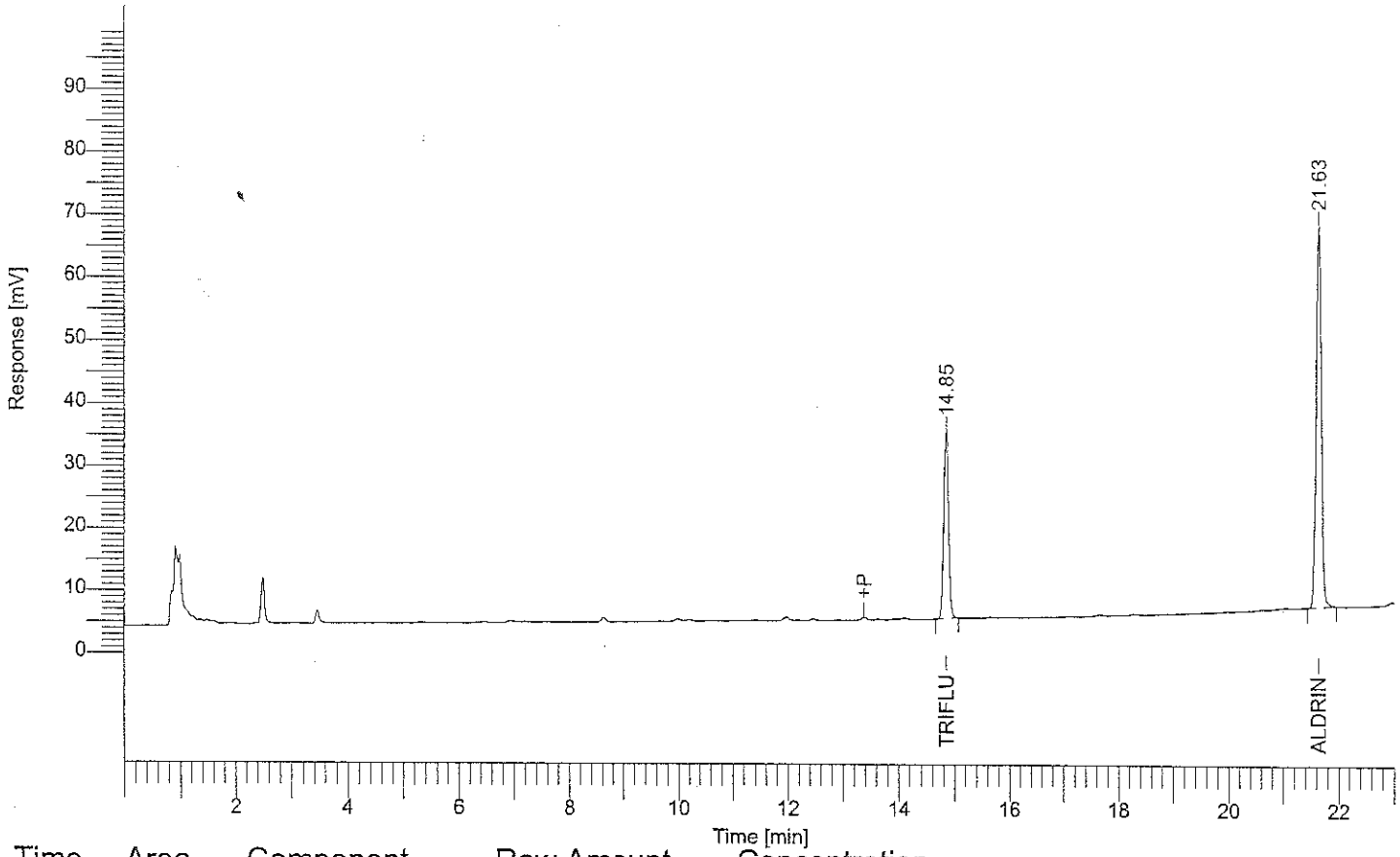
3/25/2002 11:07:29 AM Result: C:\PEST\GC7\DATAECD\AROCHLOR_047.rst

Component Name	Time [min]	Area [µV·s]
	33.52	34084
	34.51	68154
	36.72	15532
	37.83	19132
		4223910

GC/ECD INSTRUMENT SET-UP STANDARD INJECTION, SEQUENCES AND METHODS USED FOR THE ANALYSIS OF SAMPLES

Software Version	: 6.1.1.0.0:K20	Date	: 3/21/2002 9:49:50 AM
Sample Name	: EIC	Data Acquisition Time	: 3/21/2002 9:26:34 AM
Instrument Name	: GC07	Channel	: B
Rack/Vial	: 0/0	Operator	: manager
Sample Amount	: 1.000000	Dilution Factor	: 1.000000
Cycle	: 2		

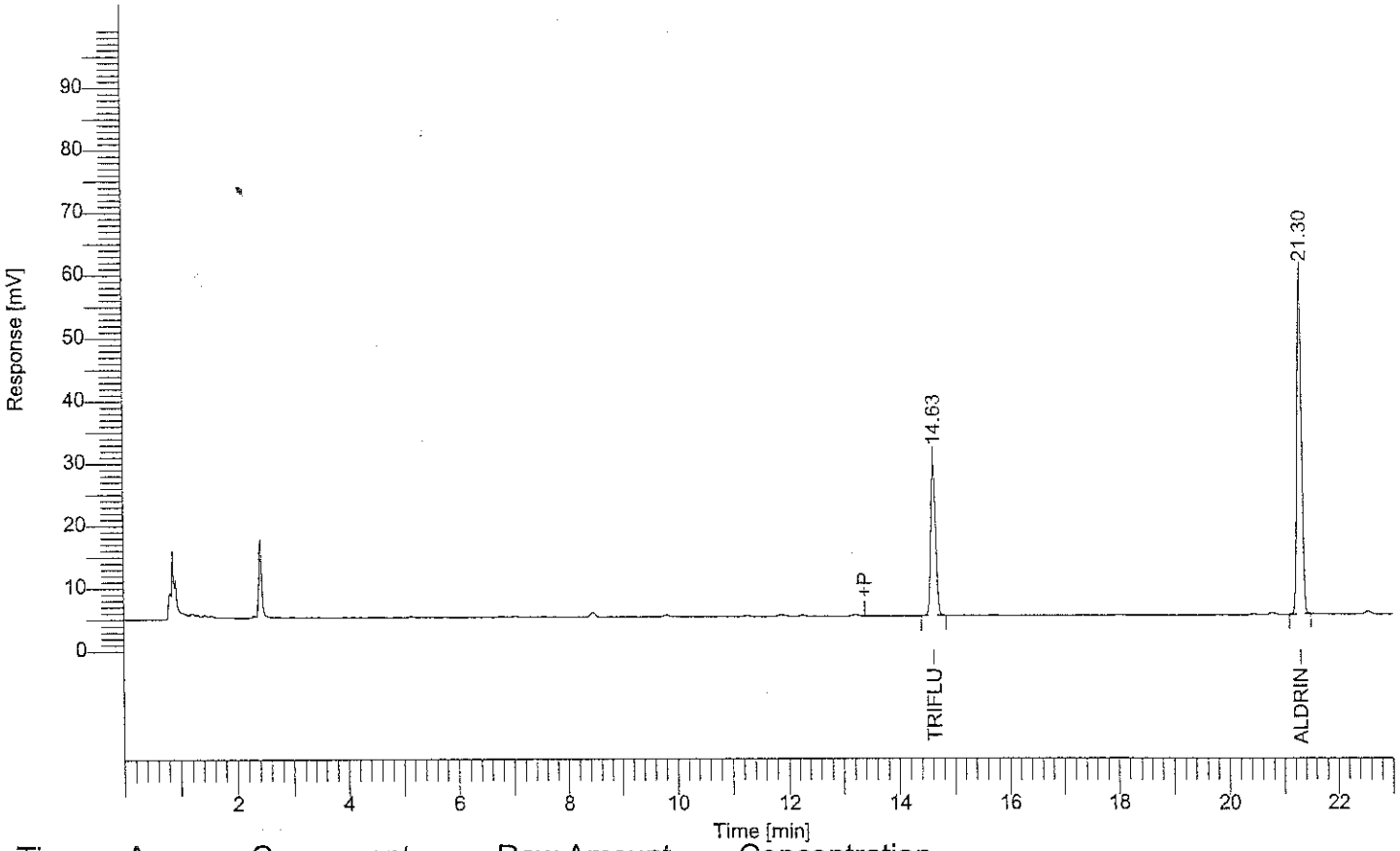
Result File : C:\PEST\GC7\DATAECD\EIC_002-20020321-094949.rst
Sequence File : C:\PEST\GC7\SEQUENCE\ECD\EIC.seq



Time [min]	Area [µV·s]	Component Name	Raw Amount Nanograms Injected	Concentration Mgs/Kg
14.85	185140	TRIFLURALIN	0.1851	0.1851
21.63	394490	ALDRIN	0.3945	0.3945
	579630		0.5796	0.5796

Software Version	: 6.1.1.0.0:K20	Date	: 4/9/2002 1:07:07 PM
Sample Name	: EIC	Data Acquisition Time	: 4/9/2002 12:43:52 PM
Instrument Name	: GC07	Channel	: B
Rack/Vial	: 0/0	Operator	: manager
Sample Amount	: 1.000000	Dilution Factor	: 1.000000
Cycle	: 1		

Result File : C:\PEST\GC7\DATAECD\EIC_001-20020409-130706.rst
Sequence File : C:\PEST\GC7\SEQUENCE\ECD\EIC.seq



Time [min]	Area [µV·s]	Component Name	Raw Amount Nanograms Injected	Concentration Mgs/Kg
14.63	153761	TRIFLURALIN	0.1538	0.1538
21.30	327414	ALDRIN	0.3274	0.3274
	481175		0.4812	0.4812

Turbochrom Sequence File C:\PEST\GC7\SEQUENCE\ECD\02032001.seq
Printed by : manager on: 4/12/2002 11:04:59 AM
Created by : manager on: 3/21/2002 12:07:15 PM
Edited by : manager on: 3/22/2002 7:57:12 AM
Number of Times Edited : 3
Description:

Sequence File Header Information:
Number of Rows : 30
Instrument Type : 900 Series Intelligent Interface
Injection Type : SINGLE

Sequence Sample Descriptions - Channel B

Row	Type	Name	Number	Study name	Sample Amt	Int Std Amt	Sample Vol	Dil Factor	Multiplier	Divisor	Addend	Norm Factor
1	Sample	FLUSH	01	02032001	1.000000	1.000000	2.000	1.000000	1.000000	1.000000	0.000000	100.000
2	Sample	AROCLOR 1248	02	02032001	1.000000	1.000000	2.000	1.000000	1.000000	1.000000	0.000000	100.000
3	Sample	AROCLOR 1254	03	02032001	1.000000	1.000000	2.000	1.000000	1.000000	1.000000	0.000000	100.000
4	Sample	AROCLOR 1260	04	02032001	1.000000	1.000000	2.000	1.000000	1.000000	1.000000	0.000000	100.000
5	Sample	SPIKE (SLUDGE)	05	02032001	50.000000	1.000000	2.000	1.000000	1.000000	1.000000	0.000000	100.000
6	Sample	REAGENT BLANK	06	02032001	50.000000	1.000000	2.000	1.000000	1.000000	1.000000	0.000000	100.000
7	Sample	55571 MS 1:5	07	02032001	50.000000	1.000000	2.000	1.000000	1.000000	1.000000	0.000000	100.000
8	Sample	55569 1:5	08	02032001	50.000000	1.000000	2.000	5.000000	1.000000	1.000000	0.000000	100.000
9	Sample	55570 1:5	09	02032001	50.000000	1.000000	2.000	5.000000	1.000000	1.000000	0.000000	100.000
10	Sample	55571 1:5	10	02032001	50.000000	1.000000	2.000	5.000000	1.000000	1.000000	0.000000	100.000
11	Sample	55572 1:5	11	02032001	50.000000	1.000000	2.000	5.000000	1.000000	1.000000	0.000000	100.000
12	Sample	55573 1:5	12	02032001	50.000000	1.000000	2.000	5.000000	1.000000	1.000000	0.000000	100.000
13	Sample	55574 1:5	13	02032001	50.000000	1.000000	2.000	5.000000	1.000000	1.000000	0.000000	100.000
14	Sample	55575 1:5	14	02032001	50.000000	1.000000	2.000	5.000000	1.000000	1.000000	0.000000	100.000
15	Sample	55572 DUP 1:5	15	02032001	50.000000	1.000000	2.000	5.000000	1.000000	1.000000	0.000000	100.000
16	Sample	FLUSH	16	02032001	1.000000	1.000000	2.000	1.000000	1.000000	1.000000	0.000000	100.000
17	Sample	55569	17	02032001	50.000000	1.000000	2.000	1.000000	1.000000	1.000000	0.000000	100.000
18	Sample	55570	18	02032001	50.000000	1.000000	2.000	1.000000	1.000000	1.000000	0.000000	100.000
19	Sample	55571	19	02032001	50.000000	1.000000	2.000	1.000000	1.000000	1.000000	0.000000	100.000
20	Sample	55572	20	02032001	50.000000	1.000000	2.000	1.000000	1.000000	1.000000	0.000000	100.000
21	Sample	55573	21	02032001	50.000000	1.000000	2.000	1.000000	1.000000	1.000000	0.000000	100.000
22	Sample	55574	22	02032001	50.000000	1.000000	2.000	1.000000	1.000000	1.000000	0.000000	100.000
23	Sample	55575	23	02032001	50.000000	1.000000	2.000	1.000000	1.000000	1.000000	0.000000	100.000
24	Sample	55571 MS	24	02032001	50.000000	1.000000	2.000	1.000000	1.000000	1.000000	0.000000	100.000
25	Sample	55572 DUP	25	02032001	50.000000	1.000000	2.000	1.000000	1.000000	1.000000	0.000000	100.000
26	Sample	AROCLOR 1016	26	02032001	1.000000	1.000000	2.000	1.000000	1.000000	1.000000	0.000000	100.000
27	Sample	AROCLOR 1221	27	02032001	1.000000	1.000000	2.000	1.000000	1.000000	1.000000	0.000000	100.000
28	Sample	AROCLOR 1232	28	02032001	1.000000	1.000000	2.000	1.000000	1.000000	1.000000	0.000000	100.000
29	Sample	AROCLOR 1242	29	02032001	1.000000	1.000000	2.000	1.000000	1.000000	1.000000	0.000000	100.000
30	Sample	FLUSH	30	02032001	1.000000	1.000000	2.000	1.000000	1.000000	1.000000	0.000000	100.000

Sequence Process Information - Channel B

Row	Site	Rack	Vial	Inst Method	Proc Method	Calib Method
1	-	-	-	c:\pest\gc7\methods\ecd\pcb02032001	c:\pest\gc7\methods\ecd\pcb02032001	c:\pest\gc7\methods\ecd\pcb02032001
2	-	-	-	c:\pest\gc7\methods\ecd\pcb02032001	c:\pest\gc7\methods\ecd\pcb02032001	c:\pest\gc7\methods\ecd\pcb02032001
3	-	-	-	c:\pest\gc7\methods\ecd\pcb02032001	c:\pest\gc7\methods\ecd\pcb02032001	c:\pest\gc7\methods\ecd\pcb02032001
4	-	-	-	c:\pest\gc7\methods\ecd\pcb02032001	c:\pest\gc7\methods\ecd\pcb02032001	c:\pest\gc7\methods\ecd\pcb02032001
5	-	-	-	c:\pest\gc7\methods\ecd\pcb02032001	c:\pest\gc7\methods\ecd\pcb02032001	c:\pest\gc7\methods\ecd\pcb02032001
6	-	-	-	c:\pest\gc7\methods\ecd\pcb02032001	c:\pest\gc7\methods\ecd\pcb02032001	c:\pest\gc7\methods\ecd\pcb02032001
7	-	-	-	c:\pest\gc7\methods\ecd\pcb02032001	c:\pest\gc7\methods\ecd\pcb02032001	c:\pest\gc7\methods\ecd\pcb02032001
8	-	-	-	c:\pest\gc7\methods\ecd\pcb02032001	c:\pest\gc7\methods\ecd\pcb02032001	c:\pest\gc7\methods\ecd\pcb02032001
9	-	-	-	c:\pest\gc7\methods\ecd\pcb02032001	c:\pest\gc7\methods\ecd\pcb02032001	c:\pest\gc7\methods\ecd\pcb02032001
10	-	-	-	c:\pest\gc7\methods\ecd\pcb02032001	c:\pest\gc7\methods\ecd\pcb02032001	c:\pest\gc7\methods\ecd\pcb02032001
11	-	-	-	c:\pest\gc7\methods\ecd\pcb02032001	c:\pest\gc7\methods\ecd\pcb02032001	c:\pest\gc7\methods\ecd\pcb02032001
12	-	-	-	c:\pest\gc7\methods\ecd\pcb02032001	c:\pest\gc7\methods\ecd\pcb02032001	c:\pest\gc7\methods\ecd\pcb02032001
13	-	-	-	c:\pest\gc7\methods\ecd\pcb02032001	c:\pest\gc7\methods\ecd\pcb02032001	c:\pest\gc7\methods\ecd\pcb02032001
14	-	-	-	c:\pest\gc7\methods\ecd\pcb02032001	c:\pest\gc7\methods\ecd\pcb02032001	c:\pest\gc7\methods\ecd\pcb02032001
15	-	-	-	c:\pest\gc7\methods\ecd\pcb02032001	c:\pest\gc7\methods\ecd\pcb02032001	c:\pest\gc7\methods\ecd\pcb02032001
16	-	-	-	c:\pest\gc7\methods\ecd\pcb02032001	c:\pest\gc7\methods\ecd\pcb02032001	c:\pest\gc7\methods\ecd\pcb02032001
17	-	-	-	c:\pest\gc7\methods\ecd\pcb02032001	c:\pest\gc7\methods\ecd\pcb02032001	c:\pest\gc7\methods\ecd\pcb02032001
18	-	-	-	c:\pest\gc7\methods\ecd\pcb02032001	c:\pest\gc7\methods\ecd\pcb02032001	c:\pest\gc7\methods\ecd\pcb02032001
19	-	-	-	c:\pest\gc7\methods\ecd\pcb02032001	c:\pest\gc7\methods\ecd\pcb02032001	c:\pest\gc7\methods\ecd\pcb02032001
20	-	-	-	c:\pest\gc7\methods\ecd\pcb02032001	c:\pest\gc7\methods\ecd\pcb02032001	c:\pest\gc7\methods\ecd\pcb02032001
21	-	-	-	c:\pest\gc7\methods\ecd\pcb02032001	c:\pest\gc7\methods\ecd\pcb02032001	c:\pest\gc7\methods\ecd\pcb02032001
22	-	-	-	c:\pest\gc7\methods\ecd\pcb02032001	c:\pest\gc7\methods\ecd\pcb02032001	c:\pest\gc7\methods\ecd\pcb02032001
23	-	-	-	c:\pest\gc7\methods\ecd\pcb02032001	c:\pest\gc7\methods\ecd\pcb02032001	c:\pest\gc7\methods\ecd\pcb02032001
24	-	-	-	c:\pest\gc7\methods\ecd\pcb02032001	c:\pest\gc7\methods\ecd\pcb02032001	c:\pest\gc7\methods\ecd\pcb02032001
25	-	-	-	c:\pest\gc7\methods\ecd\pcb02032001	c:\pest\gc7\methods\ecd\pcb02032001	c:\pest\gc7\methods\ecd\pcb02032001
26	-	-	-	c:\pest\gc7\methods\ecd\pcb02032001	c:\pest\gc7\methods\ecd\pcb02032001	c:\pest\gc7\methods\ecd\pcb02032001
27	-	-	-	c:\pest\gc7\methods\ecd\pcb02032001	c:\pest\gc7\methods\ecd\pcb02032001	c:\pest\gc7\methods\ecd\pcb02032001
28	-	-	-	c:\pest\gc7\methods\ecd\pcb02032001	c:\pest\gc7\methods\ecd\pcb02032001	c:\pest\gc7\methods\ecd\pcb02032001
29	-	-	-	c:\pest\gc7\methods\ecd\pcb02032001	c:\pest\gc7\methods\ecd\pcb02032001	c:\pest\gc7\methods\ecd\pcb02032001
30	-	-	-	c:\pest\gc7\methods\ecd\pcb02032001	c:\pest\gc7\methods\ecd\pcb02032001	c:\pest\gc7\methods\ecd\pcb02032001

4/12/2002 11:04:59 AM Sequence: C:\PEST\GC7\SEQUENCE\ECD\02032001.seq

Sequence Process Information - Channel B

Row	Rpt Fmt File	Raw Data File	Result File	Baseline	Modified	Calib Rpt
1	c:\pest\gc7\methods\ecd\soil\pcb	C:\PEST\GC7\DATAECD\02032001_001	C:\PEST\GC7\DATAECD\02032001_001			-
2	c:\pest\gc7\methods\ecd\soil\pcb	C:\PEST\GC7\DATAECD\02032001_002	C:\PEST\GC7\DATAECD\02032001_002			-
3	c:\pest\gc7\methods\ecd\soil\pcb	C:\PEST\GC7\DATAECD\02032001_003	C:\PEST\GC7\DATAECD\02032001_003			-
4	c:\pest\gc7\methods\ecd\soil\pcb	C:\PEST\GC7\DATAECD\02032001_004	C:\PEST\GC7\DATAECD\02032001_004			-
5	c:\pest\gc7\methods\ecd\soil\pcb	C:\PEST\GC7\DATAECD\02032001_005	C:\PEST\GC7\DATAECD\02032001_005			-
6	c:\pest\gc7\methods\ecd\soil\pcb	C:\PEST\GC7\DATAECD\02032001_006	C:\PEST\GC7\DATAECD\02032001_006			-
7	c:\pest\gc7\methods\ecd\soil\pcb large replot	C:\PEST\GC7\DATAECD\02032001_007	C:\PEST\GC7\DATAECD\02032001_007			-
8	c:\pest\gc7\methods\ecd\soil\pcb large replot	C:\PEST\GC7\DATAECD\02032001_008	C:\PEST\GC7\DATAECD\02032001_008			-
9	c:\pest\gc7\methods\ecd\soil\pcb large replot	C:\PEST\GC7\DATAECD\02032001_009	C:\PEST\GC7\DATAECD\02032001_009			-
10	c:\pest\gc7\methods\ecd\soil\pcb large replot	C:\PEST\GC7\DATAECD\02032001_010	C:\PEST\GC7\DATAECD\02032001_010			-
11	c:\pest\gc7\methods\ecd\soil\pcb large replot	C:\PEST\GC7\DATAECD\02032001_011	C:\PEST\GC7\DATAECD\02032001_011			-
12	c:\pest\gc7\methods\ecd\soil\pcb large replot	C:\PEST\GC7\DATAECD\02032001_012	C:\PEST\GC7\DATAECD\02032001_012			-
13	c:\pest\gc7\methods\ecd\soil\pcb large replot	C:\PEST\GC7\DATAECD\02032001_013	C:\PEST\GC7\DATAECD\02032001_013			-
14	c:\pest\gc7\methods\ecd\soil\pcb large replot	C:\PEST\GC7\DATAECD\02032001_014	C:\PEST\GC7\DATAECD\02032001_014			-
15	c:\pest\gc7\methods\ecd\soil\pcb large replot	C:\PEST\GC7\DATAECD\02032001_015	C:\PEST\GC7\DATAECD\02032001_015			-
16	c:\pest\gc7\methods\ecd\soil\pcb large replot	C:\PEST\GC7\DATAECD\02032001_016	C:\PEST\GC7\DATAECD\02032001_016			-
17	c:\pest\gc7\methods\ecd\soil\pcb large replot	C:\PEST\GC7\DATAECD\02032001_017	C:\PEST\GC7\DATAECD\02032001_017			-
18	c:\pest\gc7\methods\ecd\soil\pcb large replot	C:\PEST\GC7\DATAECD\02032001_018	C:\PEST\GC7\DATAECD\02032001_018			-
19	c:\pest\gc7\methods\ecd\soil\pcb large replot	C:\PEST\GC7\DATAECD\02032001_019	C:\PEST\GC7\DATAECD\02032001_019			-
20	c:\pest\gc7\methods\ecd\soil\pcb large replot	C:\PEST\GC7\DATAECD\02032001_020	C:\PEST\GC7\DATAECD\02032001_020			-
21	c:\pest\gc7\methods\ecd\soil\pcb large replot	C:\PEST\GC7\DATAECD\02032001_021	C:\PEST\GC7\DATAECD\02032001_021			-
22	c:\pest\gc7\methods\ecd\soil\pcb large replot	C:\PEST\GC7\DATAECD\02032001_022	C:\PEST\GC7\DATAECD\02032001_022			-
23	c:\pest\gc7\methods\ecd\soil\pcb large replot	C:\PEST\GC7\DATAECD\02032001_023	C:\PEST\GC7\DATAECD\02032001_023			-
24	c:\pest\gc7\methods\ecd\soil\pcb large replot	C:\PEST\GC7\DATAECD\02032001_024	C:\PEST\GC7\DATAECD\02032001_024			-
25	c:\pest\gc7\methods\ecd\soil\pcb large replot	C:\PEST\GC7\DATAECD\02032001_025	C:\PEST\GC7\DATAECD\02032001_025			-
26	c:\pest\gc7\methods\ecd\soil\pcb large replot	C:\PEST\GC7\DATAECD\02032001_026	C:\PEST\GC7\DATAECD\02032001_026			-
27	c:\pest\gc7\methods\ecd\soil\pcb large replot	C:\PEST\GC7\DATAECD\02032001_027	C:\PEST\GC7\DATAECD\02032001_027			-
28	c:\pest\gc7\methods\ecd\soil\pcb large replot	C:\PEST\GC7\DATAECD\02032001_028	C:\PEST\GC7\DATAECD\02032001_028			-
29	c:\pest\gc7\methods\ecd\soil\pcb large replot	C:\PEST\GC7\DATAECD\02032001_029	C:\PEST\GC7\DATAECD\02032001_029			-
30	c:\pest\gc7\methods\ecd\soil\pcb large replot	C:\PEST\GC7\DATAECD\02032001_030	C:\PEST\GC7\DATAECD\02032001_030			-

Row	Cal Level	Update RT	Printer	Plotter
1	-	-	Default	Default
2	-	-	Default	Default
3	-	-	Default	Default
4	-	-	Default	Default
5	-	-	Default	Default
6	-	-	Default	Default
7	-	-	Default	Default
8	-	-	Default	Default
9	-	-	Default	Default
10	-	-	Default	Default
11	-	-	Default	Default
12	-	-	Default	Default
13	-	-	Default	Default
14	-	-	Default	Default
15	-	-	Default	Default
16	-	-	Default	Default
17	-	-	Default	Default
18	-	-	Default	Default
19	-	-	Default	Default
20	-	-	Default	Default
21	-	-	Default	Default
22	-	-	Default	Default
23	-	-	Default	Default
24	-	-	Default	Default
25	-	-	Default	Default
26	-	-	Default	Default
27	-	-	Default	Default
28	-	-	Default	Default
29	-	-	Default	Default
30	-	-	Default	Default

Turbochrom Method File C:\PEST\GC7\METHODS\Ecd\pcb02032001.mth
Printed by : manager on: 4/12/2002 11:06:43 AM
Created by : manager on: 3/22/2002 7:49:50 AM
Edited by : manager on: 3/22/2002 7:55:56 AM
Number of Times Edited : 2
Number of Times Calibrated : 0
Description: INSTRUMENT METHOD FOR THE ANALYSIS OF PCB'S.

Instrument Conditions

Capillary GC -
Instrument : PE 8410 SERIAL 092325001017
Column : RTX-5 0.53MM ID
Column Length : 30 METERS
Carrier Gas : HELIUM
Flow Rate : 2-3 MLS/MIN
Split Ratio : NONE
Temperature : 124 FOR 0.5 MIN/ 5 DEG/MIN TO 280, HOLD 15 MIN.
Injection Temp.: 300
Detector 1 : 300
Detector 2 :
Notes : METHOD OF ANALYSIS FOR POLYCHLORINATED BIPHENYLS

Instrument Control Method

Instrument Name : GC03
Instrument Type : 900 Series Intelligent Interface

Interface Parameters

Delay Time : 0.00 min
Run Time : 50.00 min
Sampling Rate : 3.1250 pts/s
Interface Type : 900 Series Intelligent Interface
Analog Voltage Input : 1000 mV
Data will be collected from channel B

Timed Events

There are no timed events in the method

Real Time Plot Parameters

	Pages	Offset (mV)	Scale (mV)
Channel B	1	0.000	1000.000

Processing Parameters

Bunch Factor : 2 points
Noise Threshold : 100 μV
Area Threshold : 150.00 μV

Peak Separation Criteria

Width Ratio : 0.200
Valley-to-Peak Ratio : 0.010

4/12/2002 11:06:43 AM Method: C:\PEST\GC7\METHODS\Ecd\pcb02032001.mth

Exponential Skim Criteria

Peak Height Ratio : 5.000
Adjusted Height Ratio : 4.000
Valley Height Ratio : 3.000

Baseline Timed Events

Event #1 - Disable Peak Detection at 0.125
Event #2 - Enable Peak Detection at 10.564

Optional Reports

No report format files given

Optional Report Plot Parameters

Plot Number	1	2	3	4	5
Generate this plot	No	No	No	No	No
Set Plot Limits to Data Limits	Yes	Yes	Yes	Yes	Yes
Start Time					
End Time					
Scale Type	Vertical Scaling	Vertical Scaling	Vertical Scaling	Vertical Scaling	Vertical Scaling
Scale Factor	1.000	1.000	1.000	1.000	1.000
Full Scale					
Offset					

Annotated Replot Parameters

No replot will be printed

User Programs

No user programs will be executed

Global Sample Information

Default Sample Volume : 2.000 ul
Quantitation Units : NGS
Void Time : 0.000 min
Correct amounts during calibration : Yes
Convert unknowns to concentration units : Yes
Reject outliers during calibration : No

An External Standard calibration will be used
Unknown peaks will be quantitated using a response factor of 1.000000e+06
First peak will be relative retention reference

Component Information

No components present in calibration file

Turbochrom Sequence File C:\PEST\GC7\SEQUENCE\ECD\AROCHLOR ANALYSIS.seq

Printed by : manager on: 4/12/2002 11:03:44 AM
Created by : manager on: 3/22/2002 2:30:35 PM
Edited by : manager on: 3/25/2002 10:38:34 AM
Number of Times Edited : 1
Description:

Sequence File Header Information:

Number of Rows : 59
Instrument Type : 900 Series Intelligent Interface
Injection Type : SINGLE

Sequence Sample Descriptions - Channel B

Row	Type	Name	Number	Study name	Sample Amt	Int Std Amt	Sample Vol	Dil Factor	Multiplier	Divisor	Addend	Norm Factor
1	Sample	FLUSH	01	COMBINED	1.000000	1.000000	2.000	1.000000	1.000000	1.000000	0.000000	100.000
2	Sample	FLUSH	01	COMBINED	1.000000	1.000000	2.000	1.000000	1.000000	1.000000	0.000000	100.000
3	Sample	FLUSH	01	COMBINED	1.000000	1.000000	2.000	1.000000	1.000000	1.000000	0.000000	100.000
4	Sample	FLUSH	01	COMBINED	1.000000	1.000000	2.000	1.000000	1.000000	1.000000	0.000000	100.000
5	Sample	AROCLOR 1016	02	COMBINED	1.000000	1.000000	2.000	1.000000	1.000000	1.000000	0.000000	100.000
6	Sample	AROCLOR 1221	03	COMBINED	1.000000	1.000000	2.000	1.000000	1.000000	1.000000	0.000000	100.000
7	Sample	AROCLOR 1232	04	COMBINED	1.000000	1.000000	2.000	1.000000	1.000000	1.000000	0.000000	100.000
8	Sample	AROCLOR 1242	05	COMBINED	1.000000	1.000000	2.000	1.000000	1.000000	1.000000	0.000000	100.000
9	Sample	AROCLOR 1248	06	COMBINED	1.000000	1.000000	2.000	1.000000	1.000000	1.000000	0.000000	100.000
10	Sample	AROCLOR 1254	07	COMBINED	1.000000	1.000000	2.000	1.000000	1.000000	1.000000	0.000000	100.000
11	Sample	AROCLOR 1260	08	COMBINED	1.000000	1.000000	2.000	1.000000	1.000000	1.000000	0.000000	100.000
12	Sample	BLANK SLUDGE	10	COMBINED	50.000000	1.000000	2.000	1.000000	2.000000	1.000000	0.000000	100.000
13	Sample	SPIKE-1 (SLUDGE)	09	COMBINED	50.000000	1.000000	2.000	1.000000	2.000000	1.000000	0.000000	100.000
14	Sample	55441 1:5	11	COMBINED	25.000000	1.000000	2.000	5.000000	2.000000	1.000000	0.000000	100.000
15	Sample	55442 1:5	12	COMBINED	25.000000	1.000000	2.000	5.000000	2.000000	1.000000	0.000000	100.000
16	Sample	55478 1:5	13	COMBINED	44.900000	1.000000	2.000	5.000000	2.000000	1.000000	0.000000	100.000
17	Sample	55479 1:5	14	COMBINED	40.800000	1.000000	2.000	5.000000	2.000000	1.000000	0.000000	100.000
18	Sample	55517 1:5	15	COMBINED	52.200000	1.000000	2.000	5.000000	2.000000	1.000000	0.000000	100.000
19	Sample	55543 1:5	11	COMBINED	51.100000	1.000000	2.000	5.000000	2.000000	1.000000	0.000000	100.000
20	Sample	55554 1:5	12	COMBINED	50.000000	1.000000	2.000	5.000000	2.000000	1.000000	0.000000	100.000
21	Sample	55554 DUP 1:5	13	COMBINED	50.000000	1.000000	2.000	5.000000	2.000000	1.000000	0.000000	100.000
22	Sample	55555 1:5	14	COMBINED	50.000000	1.000000	2.000	5.000000	2.000000	1.000000	0.000000	100.000
23	Sample	55556 1:5	15	COMBINED	50.000000	1.000000	2.000	5.000000	2.000000	1.000000	0.000000	100.000
24	Sample	55557 1:5	16	COMBINED	50.000000	1.000000	2.000	1.000000	2.000000	1.000000	0.000000	100.000
25	Sample	55558 1:5	17	COMBINED	50.000000	1.000000	2.000	1.000000	2.000000	1.000000	0.000000	100.000
26	Sample	55559 1:5	17	COMBINED	50.000000	1.000000	2.000	1.000000	2.000000	1.000000	0.000000	100.000
27	Sample	55217 1:5	17	COMBINED	50.200000	1.000000	2.000	1.000000	2.000000	1.000000	0.000000	100.000
28	Sample	FLUSH	20	COMBINED	1.000000	1.000000	2.000	1.000000	1.000000	1.000000	0.000000	100.000
29	Sample	55441	18	COMBINED	25.000000	1.000000	2.000	1.000000	2.000000	1.000000	0.000000	100.000
30	Sample	55442	19	COMBINED	25.000000	1.000000	2.000	1.000000	2.000000	1.000000	0.000000	100.000
31	Sample	55478	18	COMBINED	44.900000	1.000000	2.000	1.000000	2.000000	1.000000	0.000000	100.000
32	Sample	55479	19	COMBINED	40.800000	1.000000	2.000	1.000000	2.000000	1.000000	0.000000	100.000
33	Sample	55517	21	COMBINED	52.200000	1.000000	2.000	1.000000	2.000000	1.000000	0.000000	100.000
34	Sample	55543	22	COMBINED	51.100000	1.000000	2.000	1.000000	2.000000	1.000000	0.000000	100.000
35	Sample	55544	18	COMBINED	50.000000	1.000000	2.000	1.000000	2.000000	1.000000	0.000000	100.000
36	Sample	55544 DUP	19	COMBINED	50.000000	1.000000	2.000	1.000000	2.000000	1.000000	0.000000	100.000
37	Sample	55555	18	COMBINED	50.000000	1.000000	2.000	1.000000	2.000000	1.000000	0.000000	100.000
38	Sample	55556	19	COMBINED	50.000000	1.000000	2.000	1.000000	2.000000	1.000000	0.000000	100.000
39	Sample	55557	21	COMBINED	50.000000	1.000000	2.000	1.000000	2.000000	1.000000	0.000000	100.000
40	Sample	55558	22	COMBINED	50.000000	1.000000	2.000	1.000000	2.000000	1.000000	0.000000	100.000
41	Sample	55559	21	COMBINED	50.000000	1.000000	2.000	1.000000	2.000000	1.000000	0.000000	100.000
42	Sample	55217	22	COMBINED	50.200000	1.000000	2.000	1.000000	2.000000	1.000000	0.000000	100.000
43	Sample	FLUSH	23	COMBINED	1.000000	1.000000	2.000	1.000000	1.000000	1.000000	0.000000	100.000
44	Sample	AROCHLOR 1260	24	COMBINED	1.000000	1.000000	2.000	1.000000	1.000000	1.000000	0.000000	100.000
45	Sample	55571 MS	25	COMBINED	50.000000	1.000000	2.000	1.000000	2.000000	1.000000	0.000000	100.000
46	Sample	FLUSH	23	COMBINED	1.000000	1.000000	2.000	1.000000	1.000000	1.000000	0.000000	100.000
47	Sample	55575	26	COMBINED	50.000000	1.000000	2.000	1.000000	2.000000	1.000000	0.000000	100.000
48	Sample	FLUSH	23	COMBINED	1.000000	1.000000	2.000	1.000000	1.000000	1.000000	0.000000	100.000
49	Sample	55570 1:50	27	COMBINED	50.000000	1.000000	2.000	50.000000	2.000000	1.000000	0.000000	100.000
50	Sample	FLUSH	23	COMBINED	1.000000	1.000000	2.000	1.000000	1.000000	1.000000	0.000000	100.000
51	Sample	55572 1:50	28	COMBINED	50.000000	1.000000	2.000	50.000000	2.000000	1.000000	0.000000	100.000
52	Sample	FLUSH	23	COMBINED	1.000000	1.000000	2.000	1.000000	1.000000	1.000000	0.000000	100.000
53	Sample	55572 DUP 1:50	29	COMBINED	50.000000	1.000000	2.000	50.000000	2.000000	1.000000	0.000000	100.000
54	Sample	FLUSH	23	COMBINED	1.000000	1.000000	2.000	1.000000	1.000000	1.000000	0.000000	100.000
55	Sample	55573 1:50	30	COMBINED	50.000000	1.000000	2.000	50.000000	2.000000	1.000000	0.000000	100.000
56	Sample	FLUSH	23	COMBINED	1.000000	1.000000	2.000	1.000000	1.000000	1.000000	0.000000	100.000
57	Sample	55574 1:50	30	COMBINED	50.000000	1.000000	2.000	50.000000	2.000000	1.000000	0.000000	100.000
58	Sample	FLUSH	31	COMBINED	1.000000	1.000000	2.000	1.000000	1.000000	1.000000	0.000000	100.000
59	Sample	FLUSH	33	COMBINED	1.000000	1.000000	2.000	1.000000	1.000000	1.000000	0.000000	100.000

4/12/2002 11:03:44 AM Sequence: C:\PEST\GC7\SEQUENCE\ECD\AROCHLOR ANALYSIS.seq

Sequence Process Information - Channel B

Row	Site	Rack	Vial	Inst Method	Proc Method	Calib Method	Rpt Fmt File
1	-	0	1	c:\pest\gc7\methods\ecd\pcb	c:\pest\gc7\methods\ecd\pcb	c:\pest\gc7\methods\ecd\pcb	c:\pest\gc7\methods\ecd\soil\pcb large replot
2	-	0	1	c:\pest\gc7\methods\ecd\pcb	c:\pest\gc7\methods\ecd\pcb	c:\pest\gc7\methods\ecd\pcb	c:\pest\gc7\methods\ecd\soil\pcb large replot
3	-	0	1	c:\pest\gc7\methods\ecd\pcb	c:\pest\gc7\methods\ecd\pcb	c:\pest\gc7\methods\ecd\pcb	c:\pest\gc7\methods\ecd\soil\pcb large replot
4	-	0	1	c:\pest\gc7\methods\ecd\pcb	c:\pest\gc7\methods\ecd\pcb	c:\pest\gc7\methods\ecd\pcb	c:\pest\gc7\methods\ecd\soil\pcb large replot
5	-	0	2	c:\pest\gc7\methods\ecd\pcb	c:\pest\gc7\methods\ecd\pcb	c:\pest\gc7\methods\ecd\pcb	c:\pest\gc7\methods\ecd\soil\pcb large replot
6	-	0	3	c:\pest\gc7\methods\ecd\pcb	c:\pest\gc7\methods\ecd\pcb	c:\pest\gc7\methods\ecd\pcb	c:\pest\gc7\methods\ecd\soil\pcb large replot
7	-	0	4	c:\pest\gc7\methods\ecd\pcb	c:\pest\gc7\methods\ecd\pcb	c:\pest\gc7\methods\ecd\pcb	c:\pest\gc7\methods\ecd\soil\pcb large replot
8	-	0	5	c:\pest\gc7\methods\ecd\pcb	c:\pest\gc7\methods\ecd\pcb	c:\pest\gc7\methods\ecd\pcb	c:\pest\gc7\methods\ecd\soil\pcb large replot
9	-	0	6	c:\pest\gc7\methods\ecd\pcb	c:\pest\gc7\methods\ecd\pcb	c:\pest\gc7\methods\ecd\pcb	c:\pest\gc7\methods\ecd\soil\pcb large replot
10	-	0	7	c:\pest\gc7\methods\ecd\pcb	c:\pest\gc7\methods\ecd\pcb	c:\pest\gc7\methods\ecd\pcb	c:\pest\gc7\methods\ecd\soil\pcb large replot
11	-	0	8	c:\pest\gc7\methods\ecd\pcb	c:\pest\gc7\methods\ecd\pcb	c:\pest\gc7\methods\ecd\pcb	c:\pest\gc7\methods\ecd\soil\pcb large replot
12	-	0	10	c:\pest\gc7\methods\ecd\pcb	c:\pest\gc7\methods\ecd\pcb	c:\pest\gc7\methods\ecd\pcb	c:\pest\gc7\methods\ecd\soil\pcb large replot
13	-	0	9	c:\pest\gc7\methods\ecd\pcb	c:\pest\gc7\methods\ecd\pcb	c:\pest\gc7\methods\ecd\pcb	c:\pest\gc7\methods\ecd\soil\pcb large replot
14	-	0	11	c:\pest\gc7\methods\ecd\pcb	c:\pest\gc7\methods\ecd\pcb	c:\pest\gc7\methods\ecd\pcb	c:\pest\gc7\methods\ecd\soil\pcb large replot
15	-	0	12	c:\pest\gc7\methods\ecd\pcb	c:\pest\gc7\methods\ecd\pcb	c:\pest\gc7\methods\ecd\pcb	c:\pest\gc7\methods\ecd\soil\pcb large replot
16	-	0	13	c:\pest\gc7\methods\ecd\pcb	c:\pest\gc7\methods\ecd\pcb	c:\pest\gc7\methods\ecd\pcb	c:\pest\gc7\methods\ecd\soil\pcb large replot
17	-	0	14	c:\pest\gc7\methods\ecd\pcb	c:\pest\gc7\methods\ecd\pcb	c:\pest\gc7\methods\ecd\pcb	c:\pest\gc7\methods\ecd\soil\pcb large replot
18	-	0	15	c:\pest\gc7\methods\ecd\pcb	c:\pest\gc7\methods\ecd\pcb	c:\pest\gc7\methods\ecd\pcb	c:\pest\gc7\methods\ecd\soil\pcb large replot
19	-	0	11	c:\pest\gc7\methods\ecd\pcb	c:\pest\gc7\methods\ecd\pcb	c:\pest\gc7\methods\ecd\pcb	c:\pest\gc7\methods\ecd\soil\pcb large replot
20	-	0	12	c:\pest\gc7\methods\ecd\pcb	c:\pest\gc7\methods\ecd\pcb	c:\pest\gc7\methods\ecd\pcb	c:\pest\gc7\methods\ecd\soil\pcb large replot
21	-	0	13	c:\pest\gc7\methods\ecd\pcb	c:\pest\gc7\methods\ecd\pcb	c:\pest\gc7\methods\ecd\pcb	c:\pest\gc7\methods\ecd\soil\pcb large replot
22	-	0	14	c:\pest\gc7\methods\ecd\pcb	c:\pest\gc7\methods\ecd\pcb	c:\pest\gc7\methods\ecd\pcb	c:\pest\gc7\methods\ecd\soil\pcb large replot
23	-	0	15	c:\pest\gc7\methods\ecd\pcb	c:\pest\gc7\methods\ecd\pcb	c:\pest\gc7\methods\ecd\pcb	c:\pest\gc7\methods\ecd\soil\pcb large replot
24	-	0	16	c:\pest\gc7\methods\ecd\pcb	c:\pest\gc7\methods\ecd\pcb	c:\pest\gc7\methods\ecd\pcb	c:\pest\gc7\methods\ecd\soil\pcb large replot
25	-	0	17	c:\pest\gc7\methods\ecd\pcb	c:\pest\gc7\methods\ecd\pcb	c:\pest\gc7\methods\ecd\pcb	c:\pest\gc7\methods\ecd\soil\pcb large replot
26	-	0	17	c:\pest\gc7\methods\ecd\pcb	c:\pest\gc7\methods\ecd\pcb	c:\pest\gc7\methods\ecd\pcb	c:\pest\gc7\methods\ecd\soil\pcb large replot
27	-	0	17	c:\pest\gc7\methods\ecd\pcb	c:\pest\gc7\methods\ecd\pcb	c:\pest\gc7\methods\ecd\pcb	c:\pest\gc7\methods\ecd\soil\pcb large replot
28	-	0	20	c:\pest\gc7\methods\ecd\pcb	c:\pest\gc7\methods\ecd\pcb	c:\pest\gc7\methods\ecd\pcb	c:\pest\gc7\methods\ecd\soil\pcb large replot
29	-	0	18	c:\pest\gc7\methods\ecd\pcb	c:\pest\gc7\methods\ecd\pcb	c:\pest\gc7\methods\ecd\pcb	c:\pest\gc7\methods\ecd\soil\pcb large replot
30	-	0	19	c:\pest\gc7\methods\ecd\pcb	c:\pest\gc7\methods\ecd\pcb	c:\pest\gc7\methods\ecd\pcb	c:\pest\gc7\methods\ecd\soil\pcb large replot
31	-	0	18	c:\pest\gc7\methods\ecd\pcb	c:\pest\gc7\methods\ecd\pcb	c:\pest\gc7\methods\ecd\pcb	c:\pest\gc7\methods\ecd\soil\pcb large replot
32	-	0	19	c:\pest\gc7\methods\ecd\pcb	c:\pest\gc7\methods\ecd\pcb	c:\pest\gc7\methods\ecd\pcb	c:\pest\gc7\methods\ecd\soil\pcb large replot
33	-	0	21	c:\pest\gc7\methods\ecd\pcb	c:\pest\gc7\methods\ecd\pcb	c:\pest\gc7\methods\ecd\pcb	c:\pest\gc7\methods\ecd\soil\pcb large replot
34	-	0	22	c:\pest\gc7\methods\ecd\pcb	c:\pest\gc7\methods\ecd\pcb	c:\pest\gc7\methods\ecd\pcb	c:\pest\gc7\methods\ecd\soil\pcb large replot
35	-	0	18	c:\pest\gc7\methods\ecd\pcb	c:\pest\gc7\methods\ecd\pcb	c:\pest\gc7\methods\ecd\pcb	c:\pest\gc7\methods\ecd\soil\pcb large replot
36	-	0	19	c:\pest\gc7\methods\ecd\pcb	c:\pest\gc7\methods\ecd\pcb	c:\pest\gc7\methods\ecd\pcb	c:\pest\gc7\methods\ecd\soil\pcb large replot
37	-	0	18	c:\pest\gc7\methods\ecd\pcb	c:\pest\gc7\methods\ecd\pcb	c:\pest\gc7\methods\ecd\pcb	c:\pest\gc7\methods\ecd\soil\pcb large replot
38	-	0	19	c:\pest\gc7\methods\ecd\pcb	c:\pest\gc7\methods\ecd\pcb	c:\pest\gc7\methods\ecd\pcb	c:\pest\gc7\methods\ecd\soil\pcb large replot
39	-	0	21	c:\pest\gc7\methods\ecd\pcb	c:\pest\gc7\methods\ecd\pcb	c:\pest\gc7\methods\ecd\pcb	c:\pest\gc7\methods\ecd\soil\pcb large replot
40	-	0	22	c:\pest\gc7\methods\ecd\pcb	c:\pest\gc7\methods\ecd\pcb	c:\pest\gc7\methods\ecd\pcb	c:\pest\gc7\methods\ecd\soil\pcb large replot
41	-	0	21	c:\pest\gc7\methods\ecd\pcb	c:\pest\gc7\methods\ecd\pcb	c:\pest\gc7\methods\ecd\pcb	c:\pest\gc7\methods\ecd\soil\pcb large replot
42	-	0	22	c:\pest\gc7\methods\ecd\pcb	c:\pest\gc7\methods\ecd\pcb	c:\pest\gc7\methods\ecd\pcb	c:\pest\gc7\methods\ecd\soil\pcb large replot
43	-	0	23	c:\pest\gc7\methods\ecd\pcb	c:\pest\gc7\methods\ecd\pcb	c:\pest\gc7\methods\ecd\pcb	c:\pest\gc7\methods\ecd\soil\pcb large replot
44	-	0	24	c:\pest\gc7\methods\ecd\pcb	c:\pest\gc7\methods\ecd\pcb	c:\pest\gc7\methods\ecd\pcb	c:\pest\gc7\methods\ecd\soil\pcb large replot
45	-	0	25	c:\pest\gc7\methods\ecd\pcb	c:\pest\gc7\methods\ecd\pcb	c:\pest\gc7\methods\ecd\pcb	c:\pest\gc7\methods\ecd\soil\pcb large replot
46	-	0	23	c:\pest\gc7\methods\ecd\pcb	c:\pest\gc7\methods\ecd\pcb	c:\pest\gc7\methods\ecd\pcb	c:\pest\gc7\methods\ecd\soil\pcb large replot
47	-	0	26	c:\pest\gc7\methods\ecd\pcb	c:\pest\gc7\methods\ecd\pcb	c:\pest\gc7\methods\ecd\pcb	c:\pest\gc7\methods\ecd\soil\pcb large replot
48	-	0	23	c:\pest\gc7\methods\ecd\pcb	c:\pest\gc7\methods\ecd\pcb	c:\pest\gc7\methods\ecd\pcb	c:\pest\gc7\methods\ecd\soil\pcb large replot
49	-	0	27	c:\pest\gc7\methods\ecd\pcb	c:\pest\gc7\methods\ecd\pcb	c:\pest\gc7\methods\ecd\pcb	c:\pest\gc7\methods\ecd\soil\pcb large replot
50	-	0	23	c:\pest\gc7\methods\ecd\pcb	c:\pest\gc7\methods\ecd\pcb	c:\pest\gc7\methods\ecd\pcb	c:\pest\gc7\methods\ecd\soil\pcb large replot
51	-	0	28	c:\pest\gc7\methods\ecd\pcb	c:\pest\gc7\methods\ecd\pcb	c:\pest\gc7\methods\ecd\pcb	c:\pest\gc7\methods\ecd\soil\pcb large replot
52	-	0	23	c:\pest\gc7\methods\ecd\pcb	c:\pest\gc7\methods\ecd\pcb	c:\pest\gc7\methods\ecd\pcb	c:\pest\gc7\methods\ecd\soil\pcb large replot
53	-	0	29	c:\pest\gc7\methods\ecd\pcb	c:\pest\gc7\methods\ecd\pcb	c:\pest\gc7\methods\ecd\pcb	c:\pest\gc7\methods\ecd\soil\pcb large replot
54	-	0	23	c:\pest\gc7\methods\ecd\pcb	c:\pest\gc7\methods\ecd\pcb	c:\pest\gc7\methods\ecd\pcb	c:\pest\gc7\methods\ecd\soil\pcb large replot
55	-	0	30	c:\pest\gc7\methods\ecd\pcb	c:\pest\gc7\methods\ecd\pcb	c:\pest\gc7\methods\ecd\pcb	c:\pest\gc7\methods\ecd\soil\pcb large replot
56	-	0	23	c:\pest\gc7\methods\ecd\pcb	c:\pest\gc7\methods\ecd\pcb	c:\pest\gc7\methods\ecd\pcb	c:\pest\gc7\methods\ecd\soil\pcb large replot
57	-	0	30	c:\pest\gc7\methods\ecd\pcb	c:\pest\gc7\methods\ecd\pcb	c:\pest\gc7\methods\ecd\pcb	c:\pest\gc7\methods\ecd\soil\pcb large replot
58	-	0	31	c:\pest\gc7\methods\ecd\pcb	c:\pest\gc7\methods\ecd\pcb	c:\pest\gc7\methods\ecd\pcb	c:\pest\gc7\methods\ecd\soil\pcb large replot
59	-	0	33	c:\pest\gc7\methods\ecd\pcb	c:\pest\gc7\methods\ecd\pcb	c:\pest\gc7\methods\ecd\pcb	c:\pest\gc7\methods\ecd\soil\pcb large replot

Row	Raw Data File	Result File	Baseline	Modified	Calib Rpt	Cal Level	Update RT	Printer	Plotter
1	C:\PEST\GC7\DATAECD\AROCHLOR_001	C:\PEST\GC7\DATAECD\AROCHLOR_001			-	-	-	Default	Default
2	C:\PEST\GC7\DATAECD\AROCHLOR_002	C:\PEST\GC7\DATAECD\AROCHLOR_002			-	-	-	Default	Default
3	C:\PEST\GC7\DATAECD\AROCHLOR_003	C:\PEST\GC7\DATAECD\AROCHLOR_003			-	-	-	Default	Default
4	C:\PEST\GC7\DATAECD\AROCHLOR_004	C:\PEST\GC7\DATAECD\AROCHLOR_004			-	-	-	Default	Default
5	C:\PEST\GC7\DATAECD\AROCHLOR_005	C:\PEST\GC7\DATAECD\AROCHLOR_005			-	-	-	Default	Default
6	C:\PEST\GC7\DATAECD\AROCHLOR_006	C:\PEST\GC7\DATAECD\AROCHLOR_006			-	-	-	Default	Default
7	C:\PEST\GC7\DATAECD\AROCHLOR_007	C:\PEST\GC7\DATAECD\AROCHLOR_007			-	-	-	Default	Default
8	C:\PEST\GC7\DATAECD\AROCHLOR_008	C:\PEST\GC7\DATAECD\AROCHLOR_008			-	-	-	Default	Default
9	C:\PEST\GC7\DATAECD\AROCHLOR_009	C:\PEST\GC7\DATAECD\AROCHLOR_009			-	-	-	Default	Default
10	C:\PEST\GC7\DATAECD\AROCHLOR_010	C:\PEST\GC7\DATAECD\AROCHLOR_010			-	-	-	Default	Default
11	C:\PEST\GC7\DATAECD\AROCHLOR_011	C:\PEST\GC7\DATAECD\AROCHLOR_011			-	-	-	Default	Default
12	C:\PEST\GC7\DATAECD\AROCHLOR_012	C:\PEST\GC7\DATAECD\AROCHLOR_012			-	-	-	Default	Default
13	C:\PEST\GC7\DATAECD\AROCHLOR_013	C:\PEST\GC7\DATAECD\AROCHLOR_013			-	-	-	Default	Default
14	C:\PEST\GC7\DATAECD\AROCHLOR_014	C:\PEST\GC7\DATAECD\AROCHLOR_014			-	-	-	Default	Default
15	C:\PEST\GC7\DATAECD\AROCHLOR_015	C:\PEST\GC7\DATAECD\AROCHLOR_015			-	-	-	Default	Default
16	C:\PEST\GC7\DATAECD\AROCHLOR_016	C:\PEST\GC7\DATAECD\AROCHLOR_016			-	-	-	Default	Default
17	C:\PEST\GC7\DATAECD\AROCHLOR_017	C:\PEST\GC7\DATAECD\AROCHLOR_017			-	-	-	Default	Default
18	C:\PEST\GC7\DATAECD\AROCHLOR_018	C:\PEST\GC7\DATAECD\AROCHLOR_018			-	-	-	Default	Default
19	C:\PEST\GC7\DATAECD\AROCHLOR_019	C:\PEST\GC7\DATAECD\AROCHLOR_019			-	-	-	Default	Default
20	C:\PEST\GC7\DATAECD\AROCHLOR_020	C:\PEST\GC7\DATAECD\AROCHLOR_020			-	-	-	Default	Default
21	C:\PEST\GC7\DATAECD\AROCHLOR_021	C:\PEST\GC7\DATAECD\AROCHLOR_021			-	-	-	Default	Default
22	C:\PEST\GC7\DATAECD\AROCHLOR_022	C:\PEST\GC7\DATAECD\AROCHLOR_022			-	-	-	Default	Default

4/12/2002 11:03:44 AM Sequence: C:\PEST\GC7\SEQUENCE\ECD\AROCHLOR ANALYSIS.seq

Sequence Process Information - Channel B

Row	Raw Data File	Result File	Baseline	Modified	Calib Rpt	Cal Level	Update RT	Printer	Plotter
23	C:\PEST\GC7\DATAECD\AROCHLOR_023	C:\PEST\GC7\DATAECD\AROCHLOR_023			-	-	-	Default	Default
24	C:\PEST\GC7\DATAECD\AROCHLOR_024	C:\PEST\GC7\DATAECD\AROCHLOR_024			-	-	-	Default	Default
25	C:\PEST\GC7\DATAECD\AROCHLOR_025	C:\PEST\GC7\DATAECD\AROCHLOR_025			-	-	-	Default	Default
26	C:\PEST\GC7\DATAECD\AROCHLOR_026	C:\PEST\GC7\DATAECD\AROCHLOR_026			-	-	-	Default	Default
27	C:\PEST\GC7\DATAECD\AROCHLOR_027	C:\PEST\GC7\DATAECD\AROCHLOR_027			-	-	-	Default	Default
28	C:\PEST\GC7\DATAECD\AROCHLOR_028	C:\PEST\GC7\DATAECD\AROCHLOR_028			-	-	-	Default	Default
29	C:\PEST\GC7\DATAECD\AROCHLOR_029	C:\PEST\GC7\DATAECD\AROCHLOR_029			-	-	-	Default	Default
30	C:\PEST\GC7\DATAECD\AROCHLOR_030	C:\PEST\GC7\DATAECD\AROCHLOR_030			-	-	-	Default	Default
31	C:\PEST\GC7\DATAECD\AROCHLOR_031	C:\PEST\GC7\DATAECD\AROCHLOR_031			-	-	-	Default	Default
32	C:\PEST\GC7\DATAECD\AROCHLOR_032	C:\PEST\GC7\DATAECD\AROCHLOR_032			-	-	-	Default	Default
33	C:\PEST\GC7\DATAECD\AROCHLOR_033	C:\PEST\GC7\DATAECD\AROCHLOR_033			-	-	-	Default	Default
34	C:\PEST\GC7\DATAECD\AROCHLOR_034	C:\PEST\GC7\DATAECD\AROCHLOR_034			-	-	-	Default	Default
35	C:\PEST\GC7\DATAECD\AROCHLOR_035	C:\PEST\GC7\DATAECD\AROCHLOR_035			-	-	-	Default	Default
36	C:\PEST\GC7\DATAECD\AROCHLOR_036	C:\PEST\GC7\DATAECD\AROCHLOR_036			-	-	-	Default	Default
37	C:\PEST\GC7\DATAECD\AROCHLOR_037	C:\PEST\GC7\DATAECD\AROCHLOR_037			-	-	-	Default	Default
38	C:\PEST\GC7\DATAECD\AROCHLOR_038	C:\PEST\GC7\DATAECD\AROCHLOR_038			-	-	-	Default	Default
39	C:\PEST\GC7\DATAECD\AROCHLOR_039	C:\PEST\GC7\DATAECD\AROCHLOR_039			-	-	-	Default	Default
40	C:\PEST\GC7\DATAECD\AROCHLOR_040	C:\PEST\GC7\DATAECD\AROCHLOR_040			-	-	-	Default	Default
41	C:\PEST\GC7\DATAECD\AROCHLOR_041	C:\PEST\GC7\DATAECD\AROCHLOR_041			-	-	-	Default	Default
42	C:\PEST\GC7\DATAECD\AROCHLOR_042	C:\PEST\GC7\DATAECD\AROCHLOR_042			-	-	-	Default	Default
43	C:\PEST\GC7\DATAECD\AROCHLOR_043	C:\PEST\GC7\DATAECD\AROCHLOR_043			-	-	-	Default	Default
44	C:\PEST\GC7\DATAECD\AROCHLOR_044	C:\PEST\GC7\DATAECD\AROCHLOR_044			-	-	-	Default	Default
45	C:\PEST\GC7\DATAECD\AROCHLOR_045	C:\PEST\GC7\DATAECD\AROCHLOR_045			-	-	-	Default	Default
46	C:\PEST\GC7\DATAECD\AROCHLOR_046	C:\PEST\GC7\DATAECD\AROCHLOR_046			-	-	-	Default	Default
47	C:\PEST\GC7\DATAECD\AROCHLOR_047	C:\PEST\GC7\DATAECD\AROCHLOR_047			-	-	-	Default	Default
48	C:\PEST\GC7\DATAECD\AROCHLOR_048	C:\PEST\GC7\DATAECD\AROCHLOR_048			-	-	-	Default	Default
49	C:\PEST\GC7\DATAECD\AROCHLOR_049	C:\PEST\GC7\DATAECD\AROCHLOR_049			-	-	-	Default	Default
50	C:\PEST\GC7\DATAECD\AROCHLOR_050	C:\PEST\GC7\DATAECD\AROCHLOR_050			-	-	-	Default	Default
51	C:\PEST\GC7\DATAECD\AROCHLOR_051	C:\PEST\GC7\DATAECD\AROCHLOR_051			-	-	-	Default	Default
52	C:\PEST\GC7\DATAECD\AROCHLOR_052	C:\PEST\GC7\DATAECD\AROCHLOR_052			-	-	-	Default	Default
53	C:\PEST\GC7\DATAECD\AROCHLOR_053	C:\PEST\GC7\DATAECD\AROCHLOR_053			-	-	-	Default	Default
54	C:\PEST\GC7\DATAECD\AROCHLOR_054	C:\PEST\GC7\DATAECD\AROCHLOR_054			-	-	-	Default	Default
55	C:\PEST\GC7\DATAECD\AROCHLOR_055	C:\PEST\GC7\DATAECD\AROCHLOR_055			-	-	-	Default	Default
56	C:\PEST\GC7\DATAECD\AROCHLOR_056	C:\PEST\GC7\DATAECD\AROCHLOR_056			-	-	-	Default	Default
57	C:\PEST\GC7\DATAECD\AROCHLOR_057	C:\PEST\GC7\DATAECD\AROCHLOR_057			-	-	-	Default	Default
58	C:\PEST\GC7\DATAECD\AROCHLOR_058	C:\PEST\GC7\DATAECD\AROCHLOR_058			-	-	-	Default	Default
59	C:\PEST\GC7\DATAECD\AROCHLOR_059	C:\PEST\GC7\DATAECD\AROCHLOR_059			-	-	-	Default	Default

Turbochrom Method File c:\pest\gc7\methods\ecd\pcb.mth

Printed by : manager on: 3/25/2002 10:35:19 AM
Created by : TG on: 9/26/1995 7:54:11 AM
Edited by : manager on: 3/25/2002 10:35:17 AM
Number of Times Edited : 234
Number of Times Calibrated : 0
Description: INSTRUMENT METHOD FOR THE ANALYSIS OF PCB'S.

Instrument Conditions

Capillary GC -
Instrument : PE 8410 SERIAL 092325001017
Column : RTX-5 0.53MM ID
Column Length : 30 METERS
Carrier Gas : HELIUM
Flow Rate : 2-3 MLS/MIN
Split Ratio : NONE
Temperature : 124 FOR 0.5 MIN/ 5 DEG/MIN TO 280, HOLD 15 MIN.
Injection Temp.: 300
Detector 1 : 300
Detector 2 :
Notes : METHOD OF ANALYSIS FOR POLYCHLORINATED BIPHENYLS

Instrument Control Method

Instrument Name : GC03
Instrument Type : 900 Series Intelligent Interface

Interface Parameters

Delay Time : 0.00 min
Run Time : 50.00 min
Sampling Rate : 3.1250 pts/s
Interface Type : 900 Series Intelligent Interface
Analog Voltage Input : 1000 mV
Data will be collected from channel B

Timed Events

There are no timed events in the method

Real Time Plot Parameters

	Pages	Offset (mV)	Scale (mV)
Channel B	1	0.000	1000.000

Processing Parameters

Bunch Factor : 2 points
Noise Threshold : 50 μV
Area Threshold : 150.00 μV

Peak Separation Criteria

Width Ratio : 0.200
Valley-to-Peak Ratio : 0.010

3/25/2002 10:35:19 AM Method: c:\pest\gc7\methods\ecd\pcb.mth

Exponential Skim Criteria

Peak Height Ratio : 5.000
Adjusted Height Ratio : 4.000
Valley Height Ratio : 3.000

Baseline Timed Events

Event #1 - Disable Peak Detection at 0.125
Event #2 - Enable Peak Detection at 10.564

Optional Reports

No report format files given

Optional Report Plot Parameters

Plot Number	1	2	3	4	5
Generate this plot	No	No	No	No	No
Set Plot Limits to Data Limits	Yes	Yes	Yes	Yes	Yes
Start Time					
End Time					
Scale Type	Vertical Scaling	Vertical Scaling	Vertical Scaling	Vertical Scaling	Vertical Scaling
Scale Factor	1.000	1.000	1.000	1.000	1.000
Full Scale					
Offset					

Annotated Replot Parameters

No replot will be printed

User Programs

No user programs will be executed

Global Sample Information

Default Sample Volume : 2.000 ul
Quantitation Units : NGS
Void Time : 0.000 min
Correct amounts during calibration : Yes
Convert unknowns to concentration units : Yes
Reject outliers during calibration : No

An External Standard calibration will be used
Unknown peaks will be quantitated using a response factor of 1.000000e+06
First peak will be relative retention reference

Component Information

No components present in calibration file

Turbochrom Sequence File C:\PEST\GC7\matrix spike\DILUTION.seq
Printed by : manager on: 4/12/2002 12:04:17 PM
Created by : manager on: 4/10/2002 7:29:21 AM
Edited by : manager on: 4/12/2002 12:04:12 PM
Number of Times Edited : 2
Description:

Sequence File Header Information:

Number of Rows : 6
Instrument Type : 900 Series Intelligent Interface
Injection Type : SINGLE

Sequence Sample Descriptions - Channel B

Row	Type	Name	Number	Study name	Sample Amt	Int Std Amt	Sample Vol	Dil Factor	Multiplier	Divisor	Addend	Norm Factor
1	Sample	FLUSH	01	combined	1.000000	1.000000	2.000	1.000000	1.000000	1.000000	0.000000	100.000
2	Sample	AROCLOR 1260	02	combined	1.000000	1.000000	2.000	1.000000	1.000000	1.000000	0.000000	100.000
3	Sample	55571 1:10	03	combined	25.000000	1.000000	2.000	1.000000	2.000000	1.000000	0.000000	100.000
4	Sample	FLUSH	04	combined	1.000000	1.000000	2.000	1.000000	1.000000	1.000000	0.000000	100.000
5	Sample	55571 ms 1x10	05	combined	25.000000	1.000000	2.000	1.000000	2.000000	1.000000	0.000000	100.000
6	Sample	FLUSH	06	combined	1.000000	1.000000	2.000	1.000000	1.000000	1.000000	0.000000	100.000

Sequence Process Information - Channel B

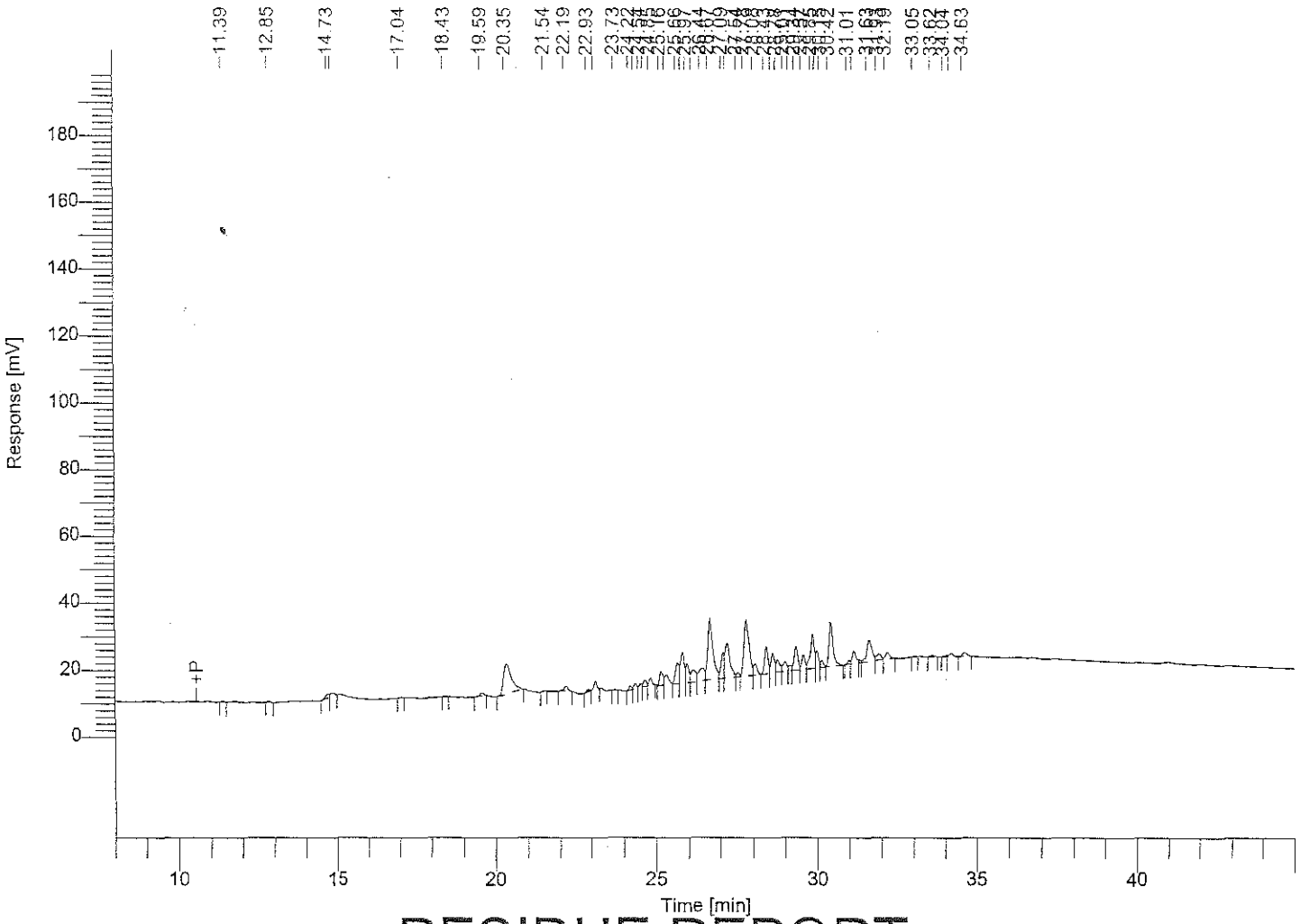
Row	Site	Rack	Vial	Inst Method	Proc Method	Calib Method	Rpt Fmt File
1	-	0	1	c:\pest\gc7\methods\ecd\pcb	c:\pest\gc7\methods\ecd\pcb	c:\pest\gc7\methods\ecd\pcb	c:\pest\gc7\methods\ecd\soil\pcb
2	-	0	2	c:\pest\gc7\methods\ecd\pcb	c:\pest\gc7\methods\ecd\pcb	c:\pest\gc7\methods\ecd\pcb	c:\pest\gc7\methods\ecd\soil\pcb
3	-	0	3	c:\pest\gc7\methods\ecd\pcb	c:\pest\gc7\methods\ecd\pcb	c:\pest\gc7\methods\ecd\pcb	c:\pest\gc7\methods\ecd\soil\pcb large replot
4	-	0	4	c:\pest\gc7\methods\ecd\pcb	c:\pest\gc7\methods\ecd\pcb	c:\pest\gc7\methods\ecd\pcb	c:\pest\gc7\methods\ecd\soil\pcb
5	-	0	5	c:\pest\gc7\methods\ecd\pcb	c:\pest\gc7\methods\ecd\pcb	c:\pest\gc7\methods\ecd\pcb	c:\pest\gc7\methods\ecd\soil\pcb large replot
6	-	0	6	c:\pest\gc7\methods\ecd\pcb	c:\pest\gc7\methods\ecd\pcb	c:\pest\gc7\methods\ecd\pcb	c:\pest\gc7\methods\ecd\soil\pcb

Row	Raw Data File	Result File	Baseline	Modified	Calib Rpt	Cal Level	Update RT	Printer	Plotter
1	C:\PEST\GC7\matrix spike\DILUTION001	C:\PEST\GC7\matrix spike\DILUTION001			-	-	-	Default	Default
2	C:\PEST\GC7\matrix spike\DILUTION002	C:\PEST\GC7\matrix spike\DILUTION002			-	-	-	Default	Default
3	C:\PEST\GC7\matrix spike\DILUTION003	C:\PEST\GC7\matrix spike\DILUTION003			-	-	-	Default	Default
4	C:\PEST\GC7\matrix spike\DILUTION004	C:\PEST\GC7\matrix spike\DILUTION004			-	-	-	Default	Default
5	C:\PEST\GC7\matrix spike\DILUTION005	C:\PEST\GC7\matrix spike\DILUTION005			-	-	-	Default	Default
6	C:\PEST\GC7\matrix spike\DILUTION006	C:\PEST\GC7\matrix spike\DILUTION006			-	-	-	Default	Default

INSTRUMENT FLUSHES FOR THE DETERMINATION OF INSTRUMENT CARRYOVER

Software Version	: 6.1.1.0.0:K20	Date	: 3/25/2002 10:41:48 AM
Sample Name	: FLUSH	Data Acquisition Time	: 3/22/2002 4:04:54 PM
Instrument Name	: GC07	Channel	: B
Rack/Vial	: 0/0	Operator	: manager
Sample Amount	: 1.000000	Dilution Factor	: 1.000000
Cycle	: 1		

Result File : C:\PEST\GC7\DATAECD\AROCHLOR_001.rst
Sequence File : C:\PEST\GC7\SEQUENCE\ECD\AROCHLOR ANALYSIS.seq



RESIDUE REPORT

ANALYSIS OF SAMPLES FOR POLYCHLORINATED BIPHENYLS

Component Name	Time [min]	Area [µV·s]
	11.39	2988
	12.85	3341
	14.73	10018
	14.86	9136
	18.43	2644
	19.59	6589
	20.35	157321

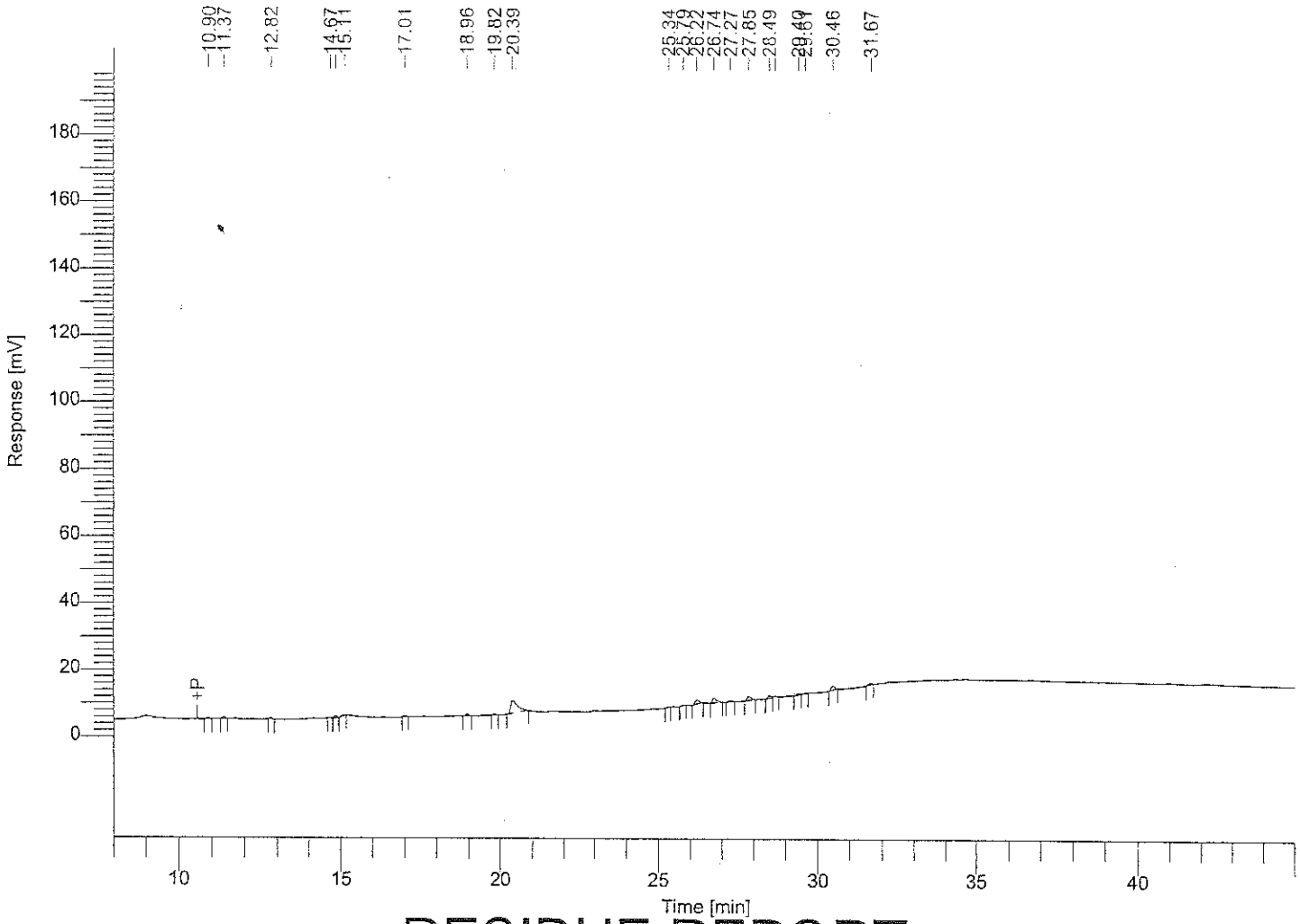
BAL

3/25/2002 10:41:48 AM Result: C:\PEST\GC7\DATAECD\AROCHLOR_001.rst

Component Name	Time [min]	Area [µV·s]
	22.19	15109
	22.93	5314
	23.14	14668
	23.73	2033
	24.22	7235
	24.37	10257
	24.54	6919
	24.68	13854
	24.85	14179
	25.16	29032
	25.32	28845
	25.66	48437
	25.82	79762
	25.97	41378
	26.17	36899
	26.44	48121
	26.67	206079
	27.09	46167
	27.21	112451
	27.54	8360
	27.78	194740
	28.08	28002
	28.43	63921
	28.63	43212
	28.78	30424
	29.01	27408
	29.18	10430
	29.34	54365
	29.57	31704
	29.85	87389
	29.99	33445
	30.15	14709
	30.42	118656
	31.01	6409
	31.16	32854
	31.63	77005
	31.93	19009
	32.19	18875
	33.62	5157
	34.04	3191
	34.22	10417
	34.63	10964
		1889424

Software Version	: 6.1.1.0.0:K20	Date	: 3/25/2002 10:41:55 AM
Sample Name	: FLUSH	Data Acquisition Time	: 3/22/2002 4:57:34 PM
Instrument Name	: GC07	Channel	: B
Rack/Vial	: 0/0	Operator	: manager
Sample Amount	: 1.000000	Dilution Factor	: 1.000000
Cycle	: 2		

Result File : C:\PEST\GC7\DATAECD\AROCHLOR_002.rst
Sequence File : C:\PEST\GC7\SEQUENCE\ECD\AROCHLOR ANALYSIS.seq



RESIDUE REPORT

ANALYSIS OF SAMPLES FOR POLYCHLORINATED BIPHENYLS

Component Name	Time [min]	Area [µV·s]
	10.90	3099
	11.37	3668
	12.82	2468
	14.83	3842
	15.11	2464
	17.01	2939
	18.96	3883

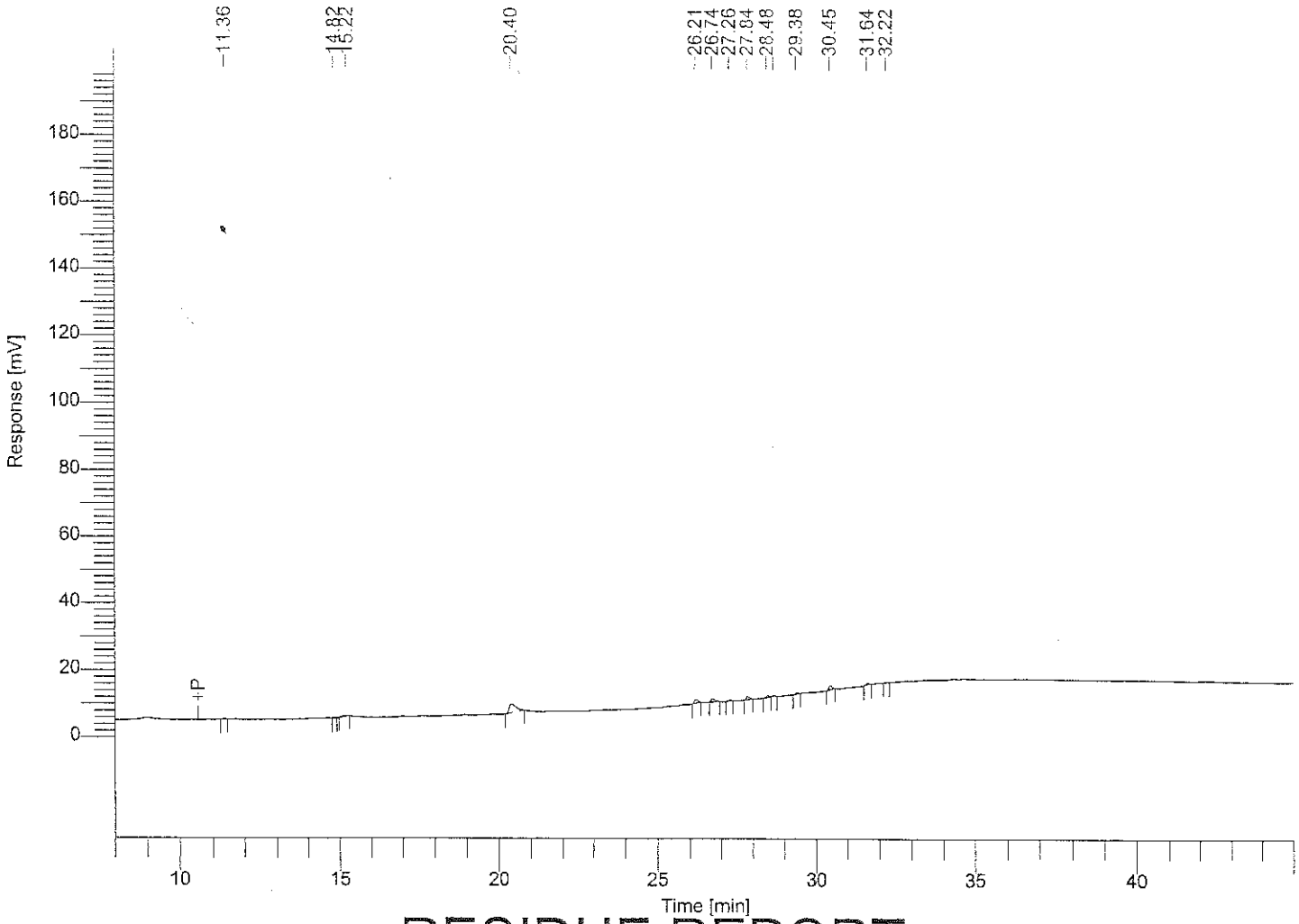
BDL

3/25/2002 10:41:55 AM Result: C:\PEST\GC7\DATAECD\AROCHLOR_002.rst

Component Name	Time [min]	Area [µV·s]
	19.82	2367
	20.39	61873
	26.22	10492
	26.74	15203
	27.27	4018
	27.85	11378
	28.49	6668
	28.67	3887
	29.40	4161
	30.46	9927
	31.67	3490
		155825

Software Version	: 6.1.1.0.0:K20	Date	: 3/25/2002 10:42:01 AM
Sample Name	: FLUSH	Data Acquisition Time	: 3/22/2002 5:50:12 PM
Instrument Name	: GC07	Channel	: B
Rack/Vial	: 0/0	Operator	: manager
Sample Amount	: 1.000000	Dilution Factor	: 1.000000
Cycle	: 3		

Result File : C:\PEST\GC7\DATAECD\AROCHLOR_003.rst
Sequence File : C:\PEST\GC7\SEQUENCE\ECD\AROCHLOR ANALYSIS.seq



RESIDUE REPORT

ANALYSIS OF SAMPLES FOR POLYCHLORINATED BIPHENYLS

Component Name	Time [min]	Area [µV·s]
	11.36	2688
	15.22	3662
	20.40	38609
	26.21	8636
	26.74	9257
	27.26	2125
	27.84	8244

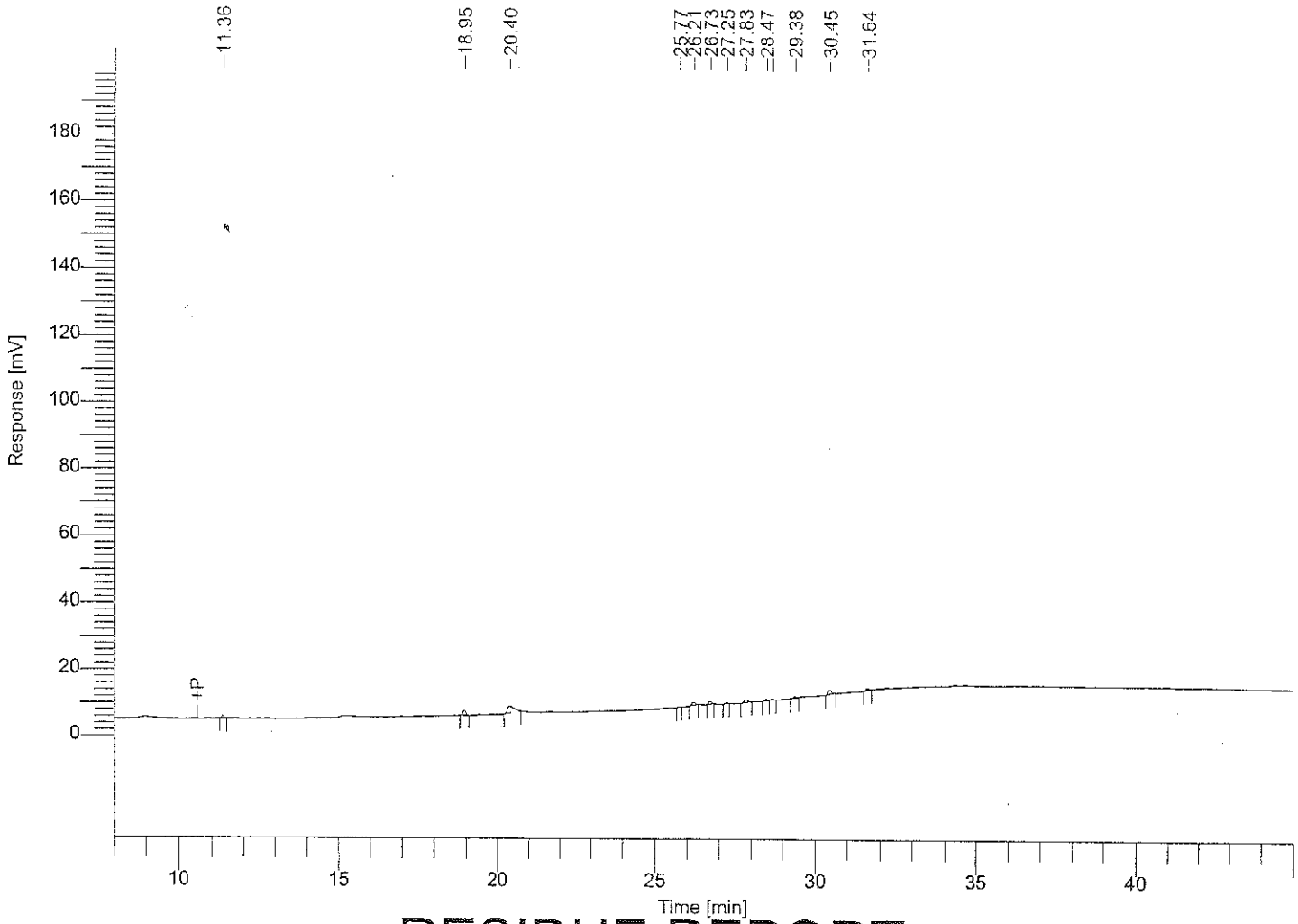
BDL

3/25/2002 10:42:01 AM Result: C:\PEST\GC7\DATAECD\AROCHLOR_003.rst

Component Name	Time [min]	Area [µV·s]
	28.48	4878
	28.67	2602
	29.38	3363
	30.45	9123
	31.64	3698
		96885

Software Version	: 6.1.1.0.0:K20	Date	: 3/25/2002 10:42:08 AM
Sample Name	: FLUSH	Data Acquisition Time	: 3/22/2002 6:42:50 PM
Instrument Name	: GC07	Channel	: B
Rack/Vial	: 0/0	Operator	: manager
Sample Amount	: 1.000000	Dilution Factor	: 1.000000
Cycle	: 4		

Result File : C:\PEST\GC7\DATAECD\AROCHLOR_004.rst
Sequence File : C:\PEST\GC7\SEQUENCE\ECD\AROCHLOR ANALYSIS.seq



RESIDUE REPORT

ANALYSIS OF SAMPLES FOR POLYCHLORINATED BIPHENYLS

Component Name	Time [min]	Area [µV·s]
	11.36	4986
	18.95	10087
	20.40	29875
	26.21	7187
	26.73	5780
	27.83	8137
	28.47	4541

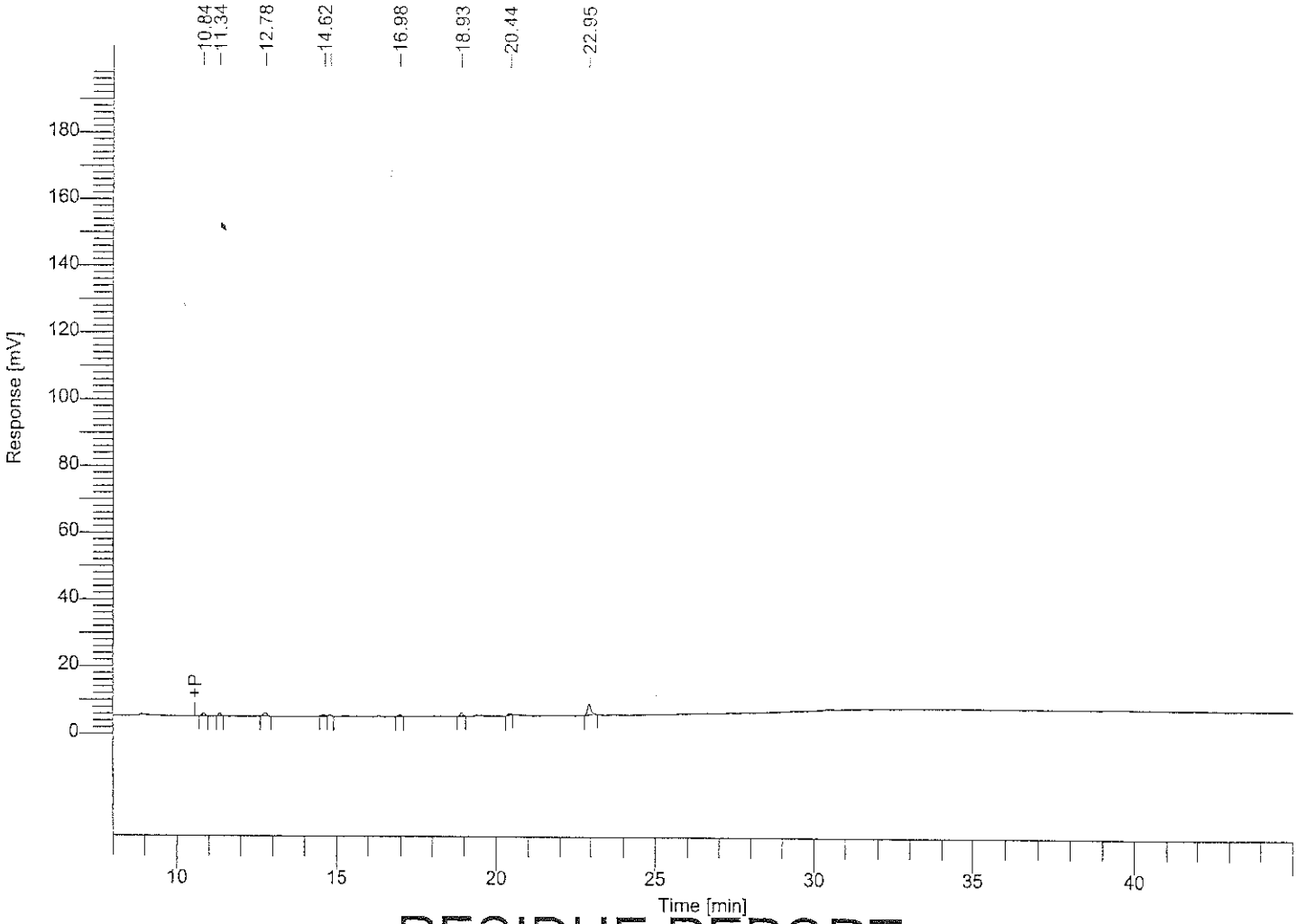
BDL

3/25/2002 10:42:08 AM Result: C:\PEST\GC7\DATAECD\AROCHLOR_004.rst

Component Name	Time [min]	Area [µV·s]
	28.67	2877
	29.38	3162
	30.45	11013
	31.64	4144
		91790

Software Version	: 6.1.1.0.0:K20	Date	: 3/25/2002 11:05:14 AM
Sample Name	: FLUSH	Data Acquisition Time	: 3/23/2002 3:45:52 PM
Instrument Name	: GC07	Channel	: B
Rack/Vial	: 0/0	Operator	: manager
Sample Amount	: 1.000000	Dilution Factor	: 1.000000
Cycle	: 28		

Result File : C:\PEST\GC7\DATAECD\AROCHLOR_028.rst
Sequence File : C:\PEST\GC7\SEQUENCE\ECD\AROCHLOR ANALYSIS.seq



RESIDUE REPORT

ANALYSIS OF SAMPLES FOR POLYCHLORINATED BIPHENYLS

Component Name	Time [min]	Area [µV·s]
	10.84	6080
	11.34	4795
	12.78	9151
	14.62	3580
	14.80	3001

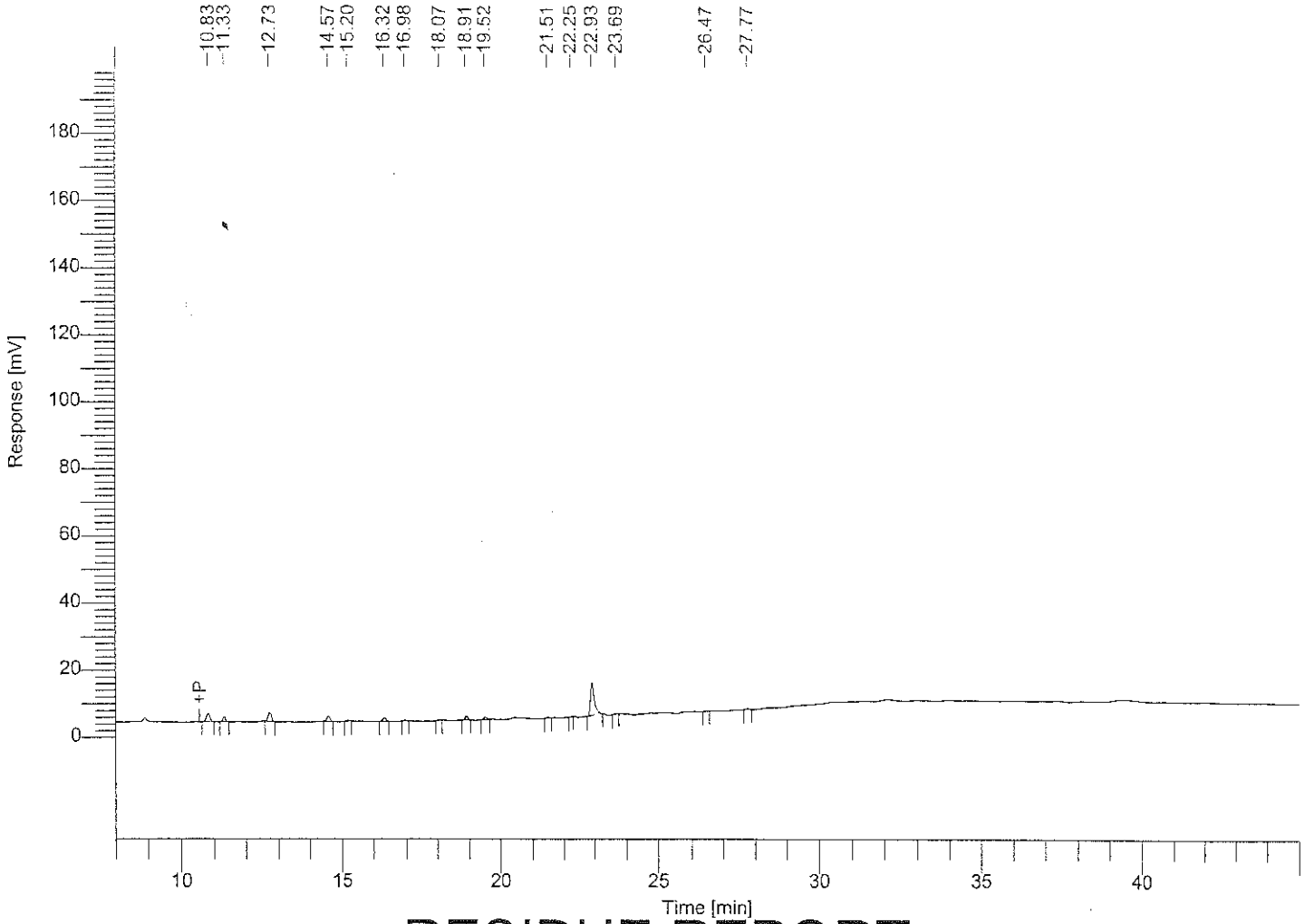
BDL

3/25/2002 11:05:14 AM Result: C:\PEST\GC7\DATAECD\AROCHLOR_028.rst

Component Name	Time [min]	Area [µV·s]
	16.98	3380
	18.93	7018
	20.44	2323
	22.95	27016
		66343

Software Version	: 6.1.1.0.0:K20	Date	: 3/25/2002 11:07:05 AM
Sample Name	: FLUSH	Data Acquisition Time	: 3/24/2002 4:55:13 AM
Instrument Name	: GC07	Channel	: B
Rack/Vial	: 0/0	Operator	: manager
Sample Amount	: 1.000000	Dilution Factor	: 1.000000
Cycle	: 43		

Result File : C:\PEST\GC7\DATAECD\AROCHLOR_043.rst
Sequence File : C:\PEST\GC7\SEQUENCE\ECD\AROCHLOR ANALYSIS.seq



RESIDUE REPORT

ANALYSIS OF SAMPLES FOR POLYCHLORINATED BIPHENYLS

Component Name	Time [min]	Area [µV·s]
	10.83	18707
	11.33	9471
	12.73	19622
	14.57	11947
	15.20	2652
	16.32	7488
	16.98	2129

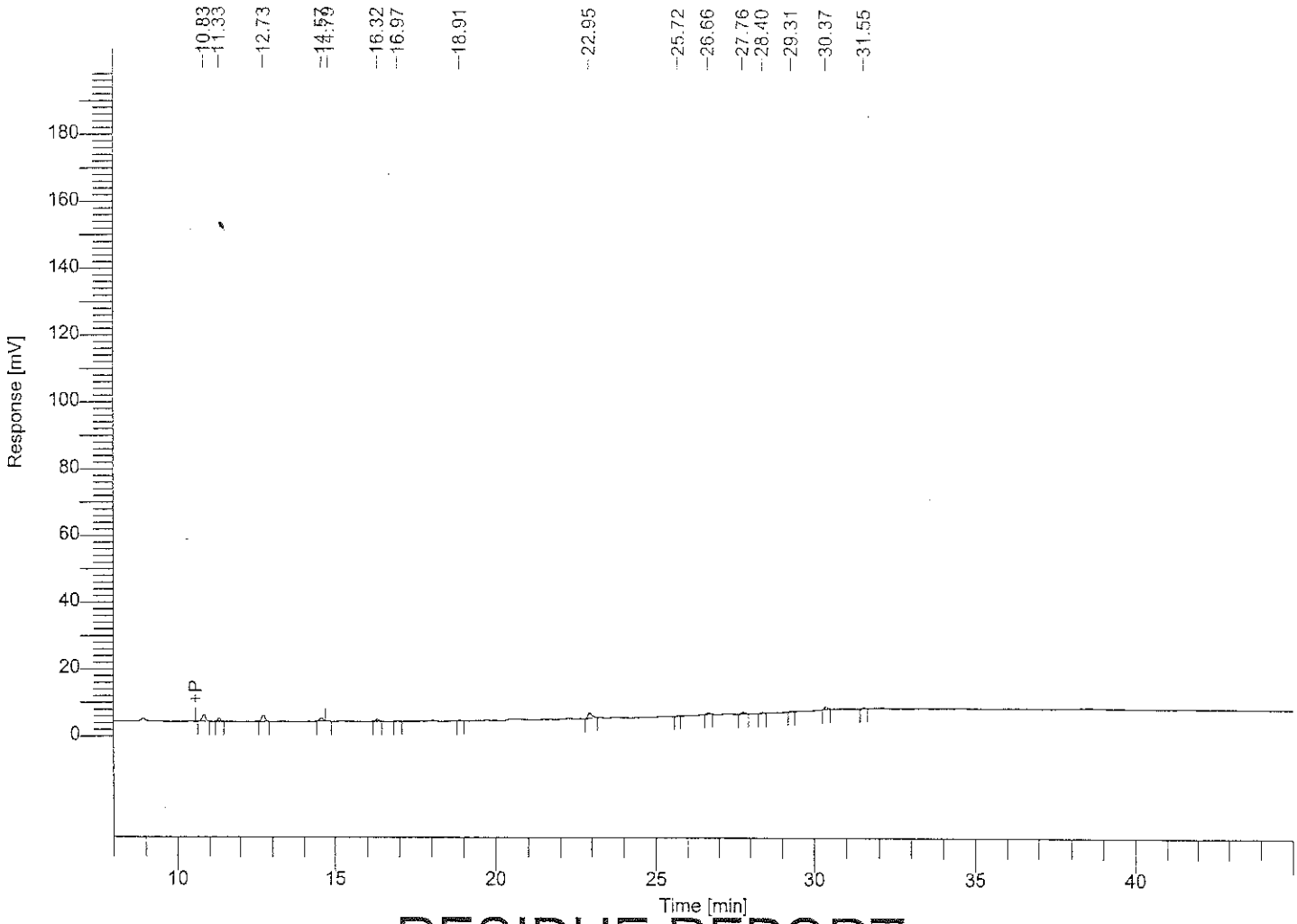
BDL

3/25/2002 11:07:05 AM Result: C:\PEST\GC7\DATAECD\AROCHLOR_043.rst

Component Name	Time [min]	Area [µV·s]
	18.91	7058
	19.52	4585
	21.51	2206
	22.93	81665
	27.77	2550
		170082

Software Version	: 6.1.1.0.0:K20	Date	: 3/25/2002 11:07:23 AM
Sample Name	: FLUSH	Data Acquisition Time	: 3/24/2002 7:33:04 AM
Instrument Name	: GC07	Channel	: B
Rack/Vial	: 0/0	Operator	: manager
Sample Amount	: 1.000000	Dilution Factor	: 1.000000
Cycle	: 46		

Result File : C:\PEST\GC7\DATAECD\AROCHLOR_046.rst
Sequence File : C:\PEST\GC7\SEQUENCE\ECD\AROCHLOR ANALYSIS.seq



RESIDUE REPORT

ANALYSIS OF SAMPLES FOR POLYCHLORINATED BIPHENYLS

Component Name	Time [min]	Area [µV·s]
	10.83	15375
	11.33	5895
	12.73	15034
	14.57	7364
	16.32	4949
	16.97	2329
	22.95	15827

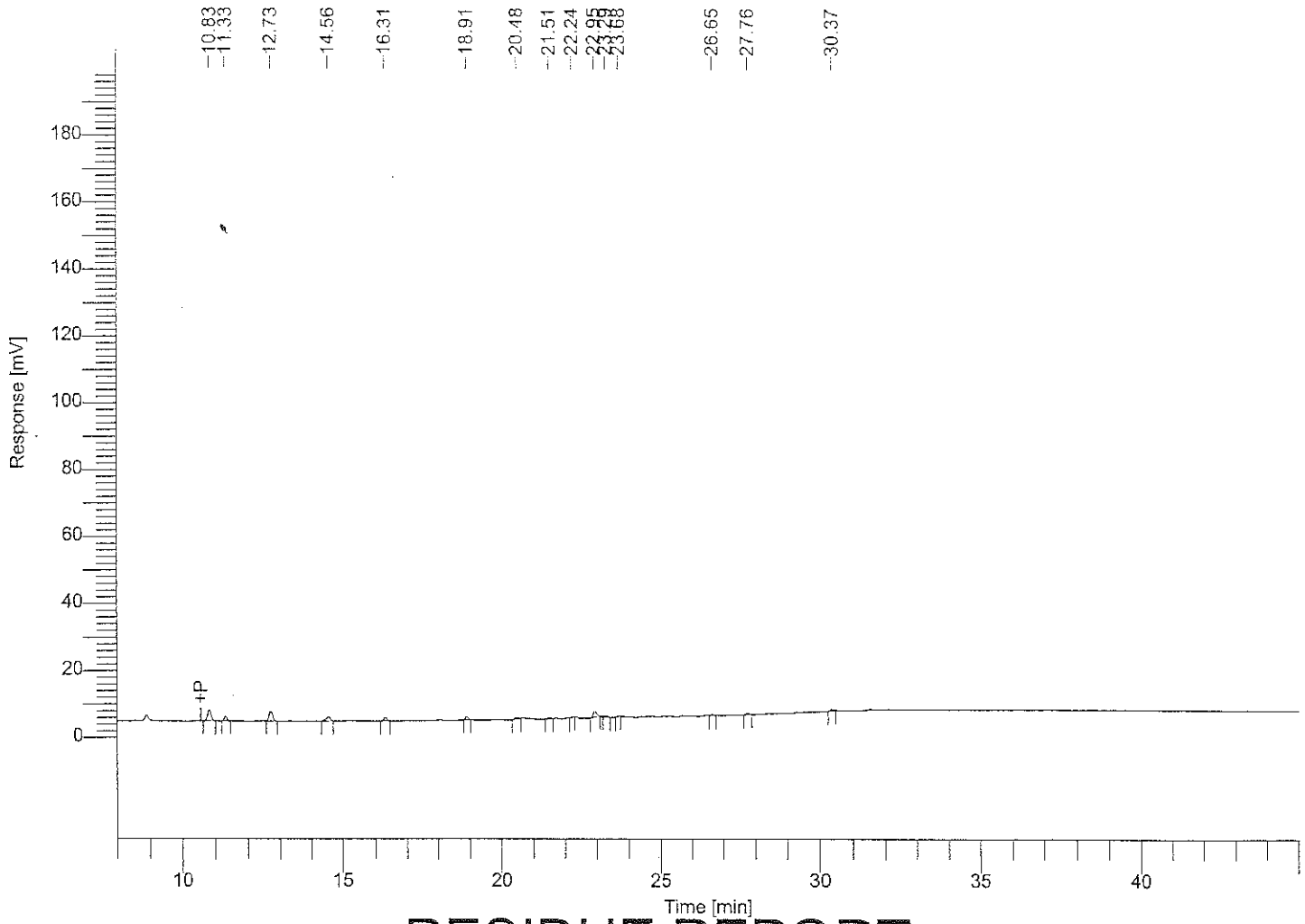
BDL

3/25/2002 11:07:23 AM Result: C:\PEST\GC7\DATAECD\AROCHLOR_046.rst

Component Name	Time [min]	Area [µV·s]
	26.66	3970
	27.76	5418
	28.40	2301
	29.31	2063
	30.37	4931
	31.55	2480
		87937

Software Version	: 6.1.1.0.0:K20	Date	: 3/25/2002 11:07:36 AM
Sample Name	: FLUSH	Data Acquisition Time	: 3/24/2002 9:18:18 AM
Instrument Name	: GC07	Channel	: B
Rack/Vial	: 0/0	Operator	: manager
Sample Amount	: 1.000000	Dilution Factor	: 1.000000
Cycle	: 48		

Result File : C:\PEST\GC7\DATAECD\AROCHLOR_048.rst
Sequence File : C:\PEST\GC7\SEQUENCE\ECD\AROCHLOR ANALYSIS.seq



RESIDUE REPORT

ANALYSIS OF SAMPLES FOR POLYCHLORINATED BIPHENYLS

Component Name	Time [min]	Area [µV·s]
	10.83	25952
	11.33	8067
	12.73	21939
	14.56	12491
	16.31	7058
	18.91	5206
	20.48	3121

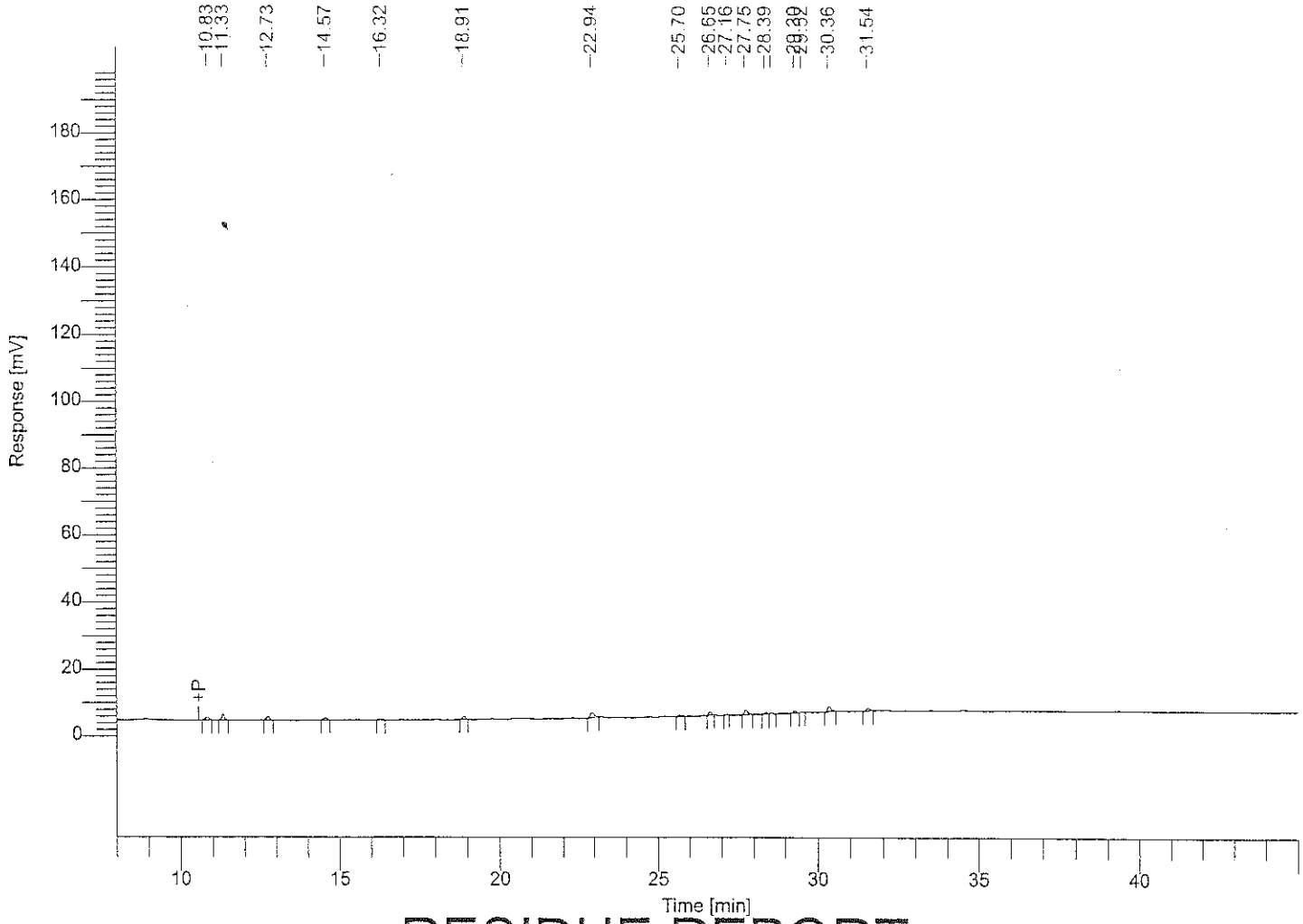
BDL

3/25/2002 11:07:36 AM Result: C:\PEST\GC7\DATAECD\AROCHLOR_048.rst

Component Name	Time [min]	Area [µV·s]
	21.51	3176
	22.95	13994
	23.29	2364
	26.65	2029
	27.76	3296
	30.37	3460
		112152

Software Version	: 6.1.1.0.0:K20	Date	: 3/25/2002 11:07:47 AM
Sample Name	: FLUSH	Data Acquisition Time	: 3/24/2002 11:03:33 AM
Instrument Name	: GC07	Channel	: B
Rack/Vial	: 0/0	Operator	: manager
Sample Amount	: 1.000000	Dilution Factor	: 1.000000
Cycle	: 50		

Result File : C:\PEST\GC7\DATAECD\AROCHLOR_050.rst
Sequence File : C:\PEST\GC7\SEQUENCE\ECD\AROCHLOR ANALYSIS.seq



RESIDUE REPORT

ANALYSIS OF SAMPLES FOR POLYCHLORINATED BIPHENYLS

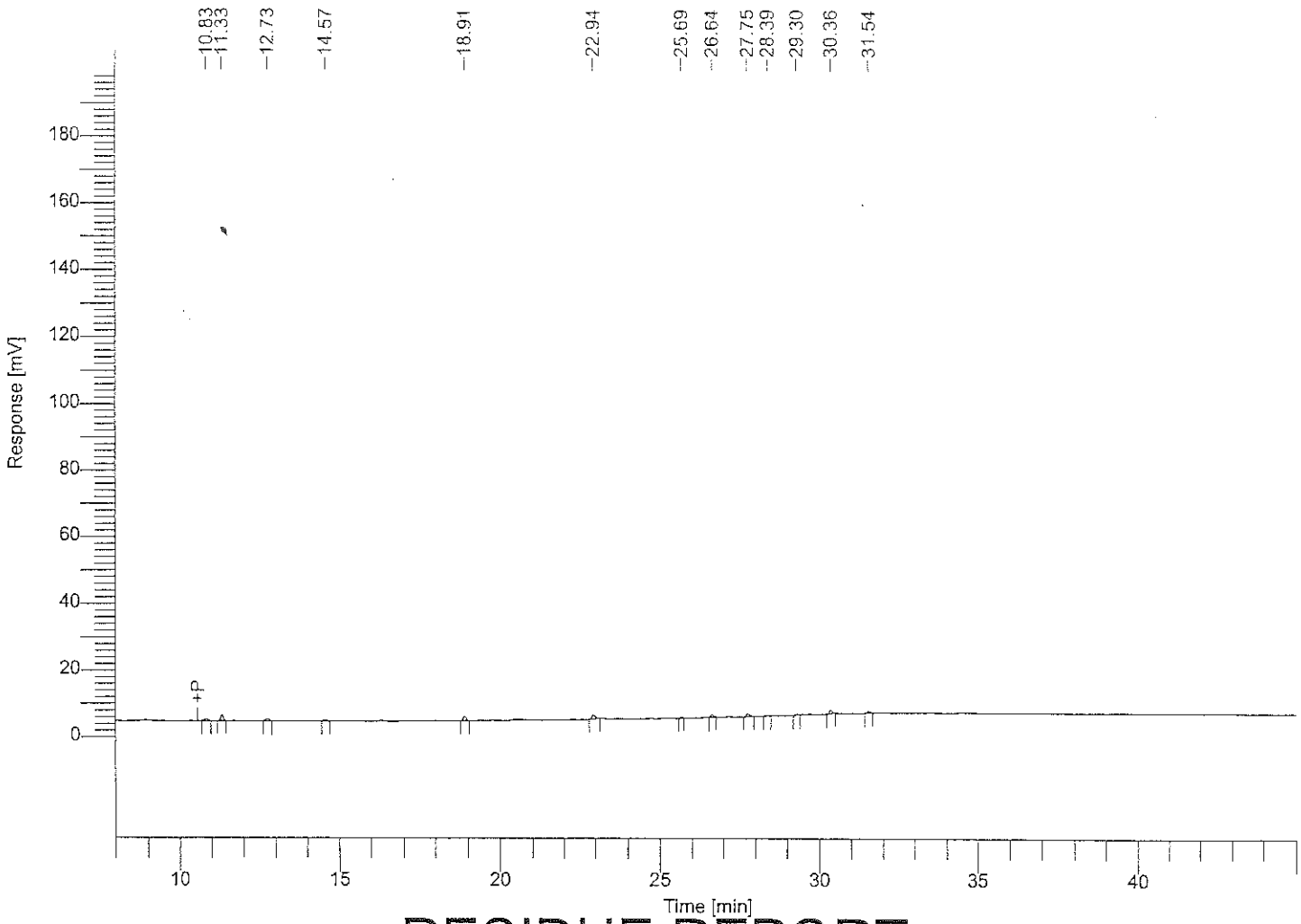
Component Name	Time [min]	Area [µV·s]
	10.83	6710
	11.33	10039
	12.73	7829
	14.57	5091
	16.32	2790
	18.91	5716
	22.94	14256

3/25/2002 11:07:47 AM Result: C:\PEST\GC7\DATAECD\AROCHLOR_050.rst

Component Name	Time [min]	Area [µV·s]
	25.70	4270
	26.65	6485
	27.75	11904
	28.39	4145
	28.59	2506
	29.30	4224
	30.36	11878
	31.54	6759
		104604

Software Version	: 6.1.1.0.0:K20	Date	: 3/25/2002 11:07:59 AM
Sample Name	: FLUSH	Data Acquisition Time	: 3/24/2002 12:48:47 PM
Instrument Name	: GC07	Channel	: B
Rack/Vial	: 0/0	Operator	: manager
Sample Amount	: 1.000000	Dilution Factor	: 1.000000
Cycle	: 52		

Result File : C:\PEST\GC7\DATAECD\AROCHLOR_052.rst
Sequence File : C:\PEST\GC7\SEQUENCE\ECD\AROCHLOR ANALYSIS.seq



RESIDUE REPORT

ANALYSIS OF SAMPLES FOR POLYCHLORINATED BIPHENYLS

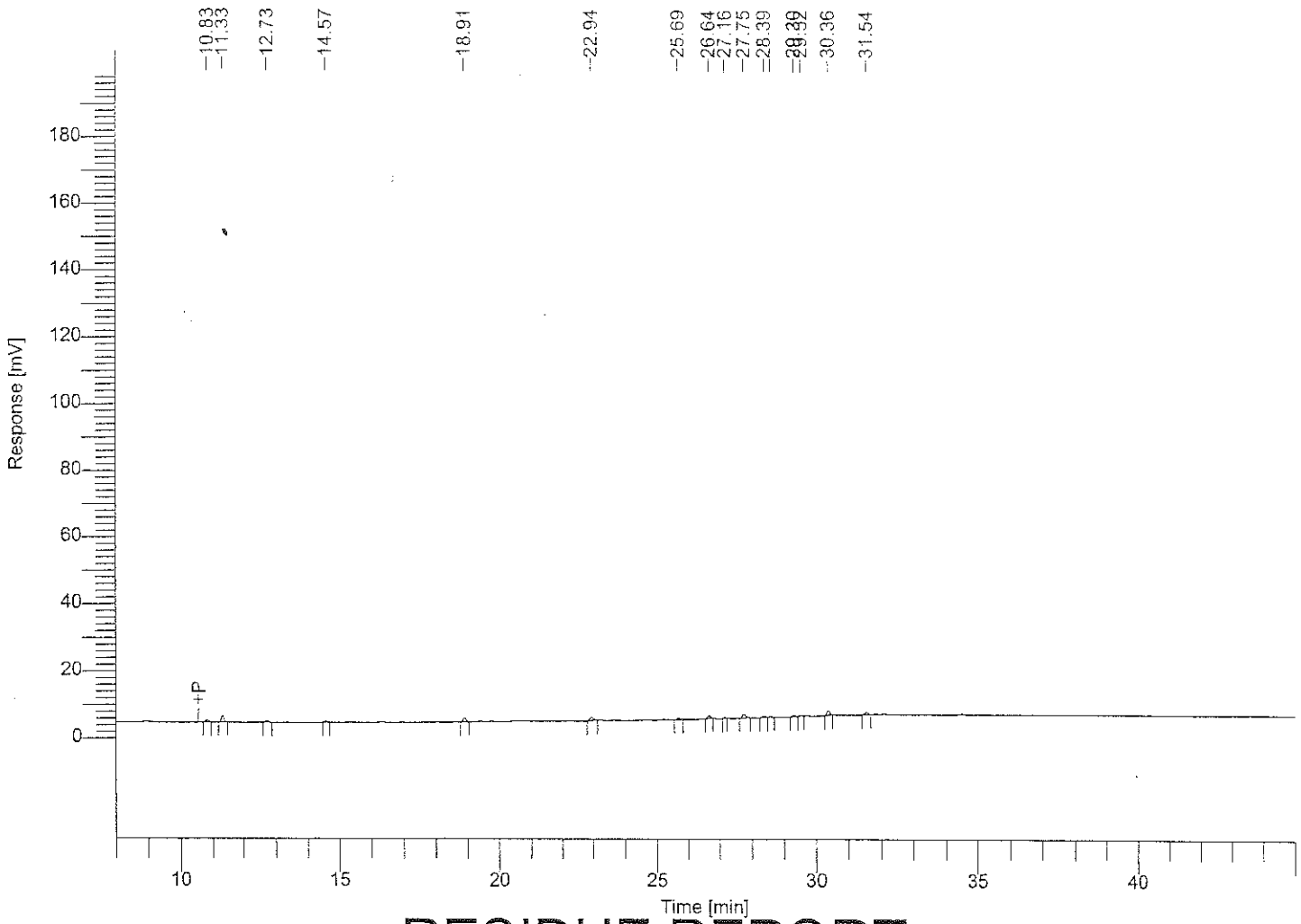
Component Name	Time [min]	Area [µV·s]
	10.83	4669
	11.33	10804
	12.73	5053
	14.57	2960
	18.91	8644
	22.94	11228
	26.64	4520

3/25/2002 11:07:59 AM Result: C:\PEST\GC7\DATAECD\AROCHLOR_052.rst

Component Name	Time [min]	Area [µV·s]
	27.75	7591
	28.39	2389
	29.30	2494
	30.36	6591
	31.54	4204
		71147

Software Version	: 6.1.1.0.0:K20	Date	: 3/25/2002 11:08:11 AM
Sample Name	: FLUSH	Data Acquisition Time	: 3/24/2002 2:34:01 PM
Instrument Name	: GC07	Channel	: B
Rack/Vial	: 0/0	Operator	: manager
Sample Amount	: 1.000000	Dilution Factor	: 1.000000
Cycle	: 54		

Result File : C:\PEST\GC7\DATAECD\AROCHLOR_054.rst
Sequence File : C:\PEST\GC7\SEQUENCE\ECD\AROCHLOR ANALYSIS.seq



RESIDUE REPORT

ANALYSIS OF SAMPLES FOR POLYCHLORINATED BIPHENYLS

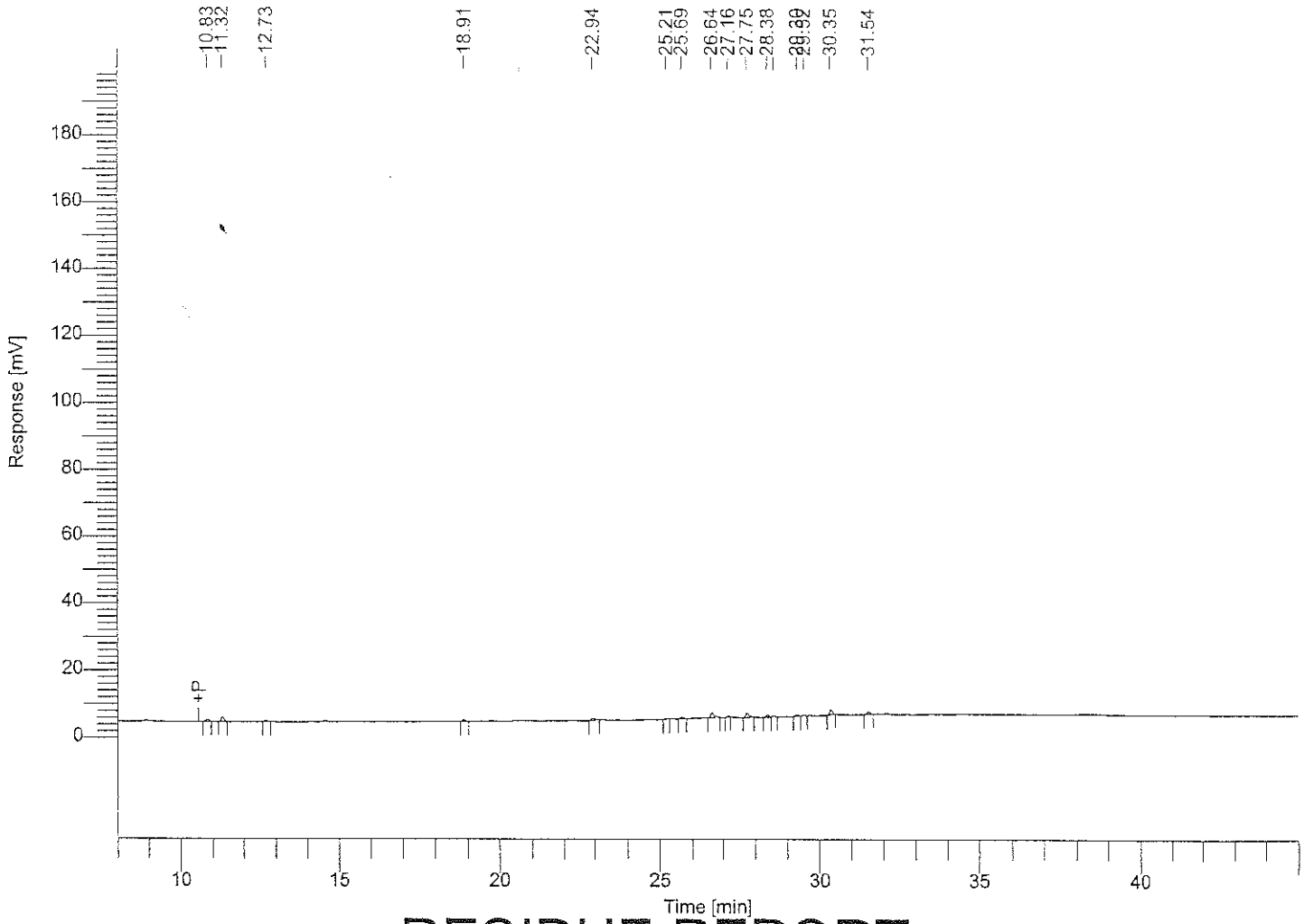
Component Name	Time [min]	Area [µV·s]
	10.83	4110
	11.33	12251
	12.73	4571
	14.57	2895
	18.91	8073
	22.94	9540
	25.69	3458

3/25/2002 11:08:11 AM Result: C:\PEST\GC7\DATAECD\AROCHLOR_054.rst

Component Name	Time [min]	Area [µV·s]
	26.64	5637
	27.75	9627
	28.39	3586
	28.58	2105
	29.30	3461
	30.36	9028
	31.54	5808
		84149

Software Version	: 6.1.1.0.0:K20	Date	: 3/25/2002 11:08:23 AM
Sample Name	: FLUSH	Data Acquisition Time	: 3/24/2002 4:19:14 PM
Instrument Name	: GC07	Channel	: B
Rack/Vial	: 0/0	Operator	: manager
Sample Amount	: 1.000000	Dilution Factor	: 1.000000
Cycle	: 56		

Result File : C:\PEST\GC7\DATAECD\AROCHLOR_056.rst
Sequence File : C:\PEST\GC7\SEQUENCE\ECD\AROCHLOR ANALYSIS.seq



RESIDUE REPORT

ANALYSIS OF SAMPLES FOR POLYCHLORINATED BIPHENYLS

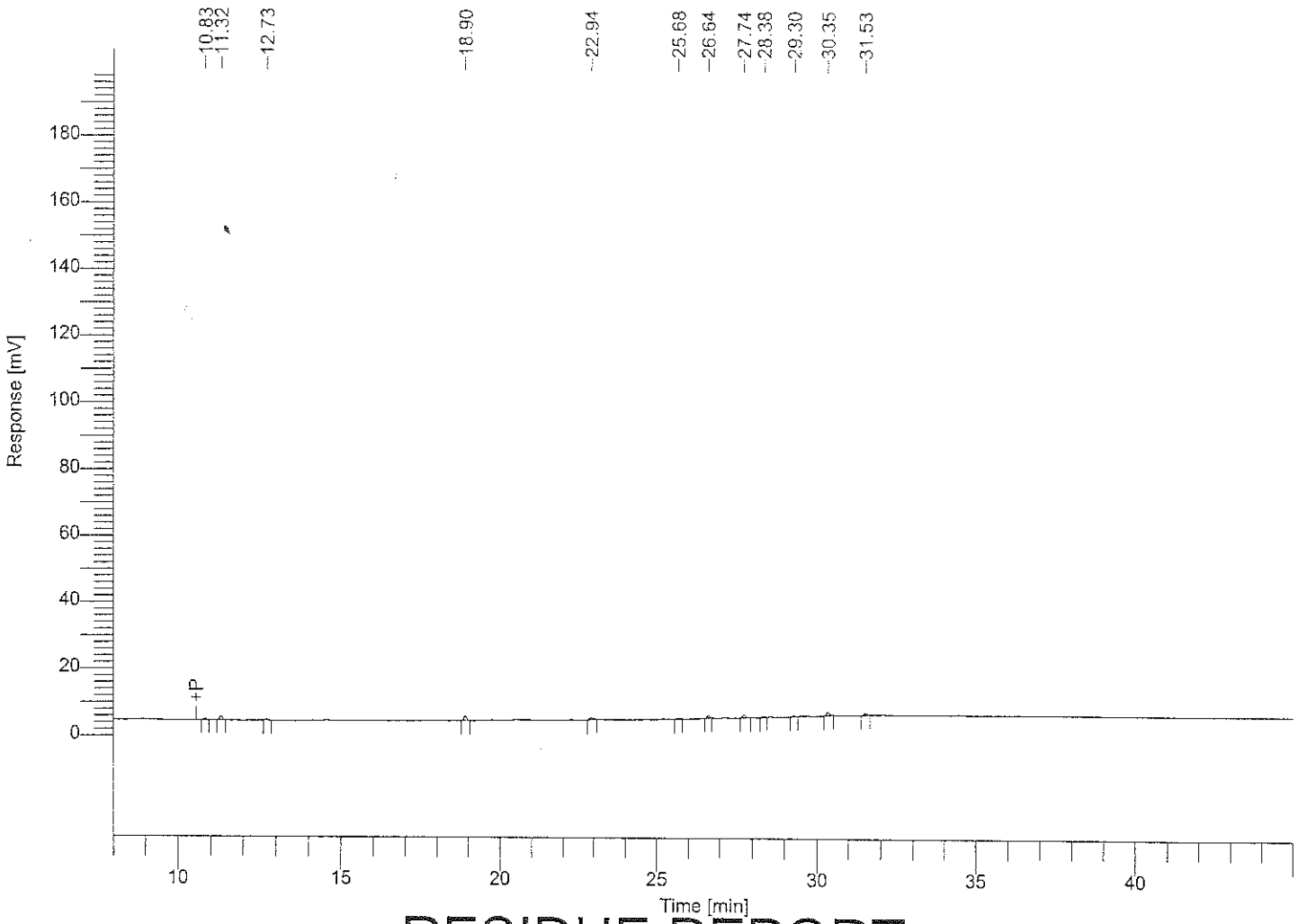
Component Name	Time [min]	Area [µV·s]
	10.83	4446
	11.32	8320
	12.73	3503
	18.91	3150
	22.94	5708
	25.69	3716
	26.64	13066

3/25/2002 11:08:23 AM Result: C:\PEST\GC7\DATAECD\AROCHLOR_056.rst

Component Name	Time [min]	Area [µV·s]
	27.75	11229
	28.38	4216
	28.58	2435
	29.30	3771
	30.35	9862
	31.54	5945
		79367

Software Version	: 6.1.1.0.0:K20	Date	: 3/25/2002 11:08:34 AM
Sample Name	: FLUSH	Data Acquisition Time	: 3/24/2002 6:04:28 PM
Instrument Name	: GC07	Channel	: B
Rack/Vial	: 0/0	Operator	: manager
Sample Amount	: 1.000000	Dilution Factor	: 1.000000
Cycle	: 58		

Result File : C:\PEST\GC7\DATAECD\AROCHLOR_058.rst
Sequence File : C:\PEST\GC7\SEQUENCE\ECD\AROCHLOR ANALYSIS.seq



RESIDUE REPORT

ANALYSIS OF SAMPLES FOR POLYCHLORINATED BIPHENYLS

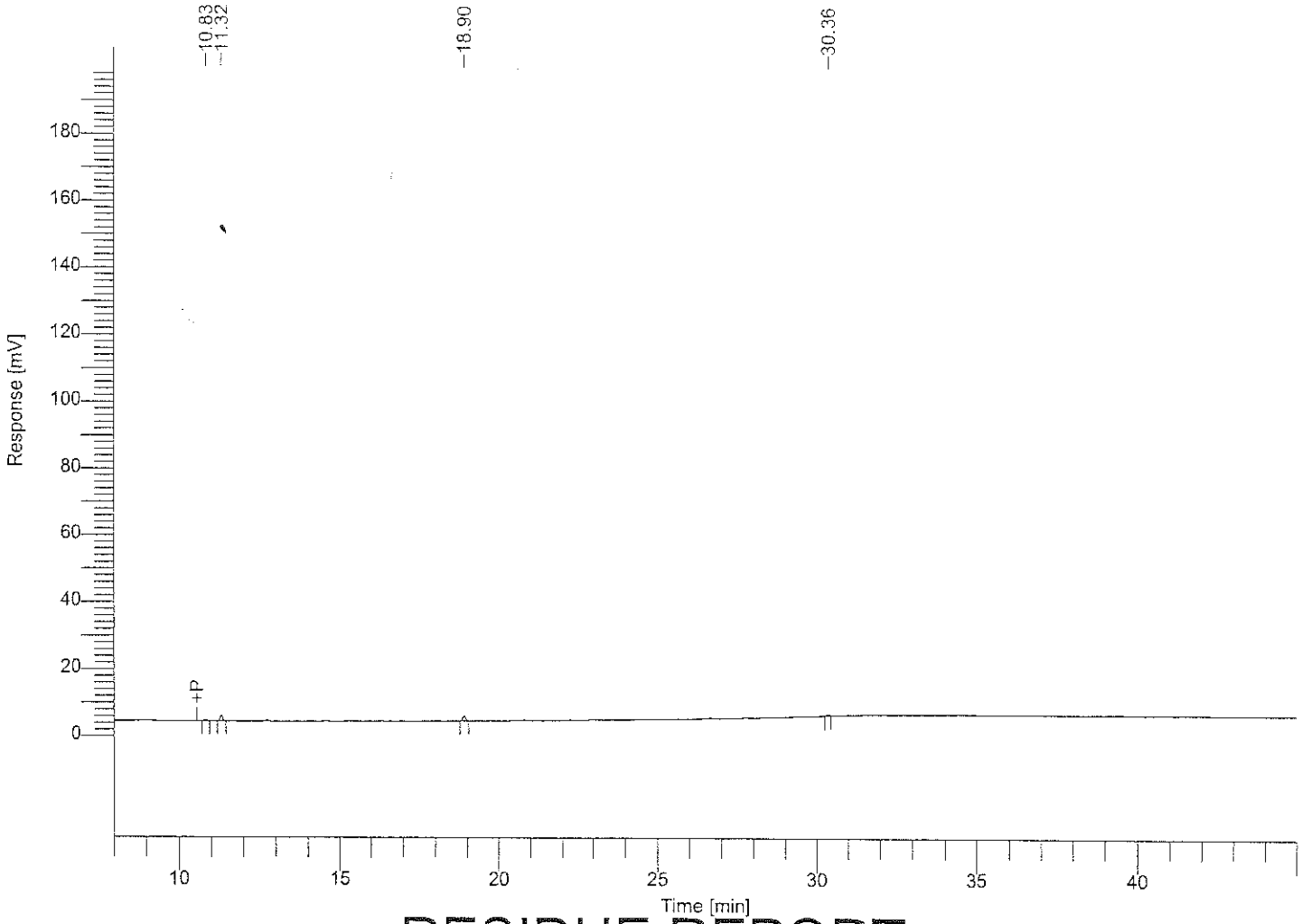
Component Name	Time [min]	Area [µV·s]
	10.83	3248
	11.32	7044
	12.73	2876
	18.90	8543
	22.94	5468
	25.68	2285
	26.64	4970

3/25/2002 11:08:34 AM Result: C:\PEST\GC7\DATAECD\AROCHLOR_058.rst

Component Name	Time [min]	Area [µV·s]
	27.74	7616
	28.38	2577
	29.30	2594
	30.35	7615
	31.53	4644
		59481

Software Version	: 6.1.1.0.0:K20	Date	: 3/25/2002 11:08:40 AM
Sample Name	: FLUSH	Data Acquisition Time	: 3/24/2002 6:57:05 PM
Instrument Name	: GC07	Channel	: B
Rack/Vial	: 0/0	Operator	: manager
Sample Amount	: 1.000000	Dilution Factor	: 1.000000
Cycle	: 59		

Result File : C:\PEST\GC7\DATAECD\AROCHLOR_059.rst
Sequence File : C:\PEST\GC7\SEQUENCE\ECD\AROCHLOR ANALYSIS.seq



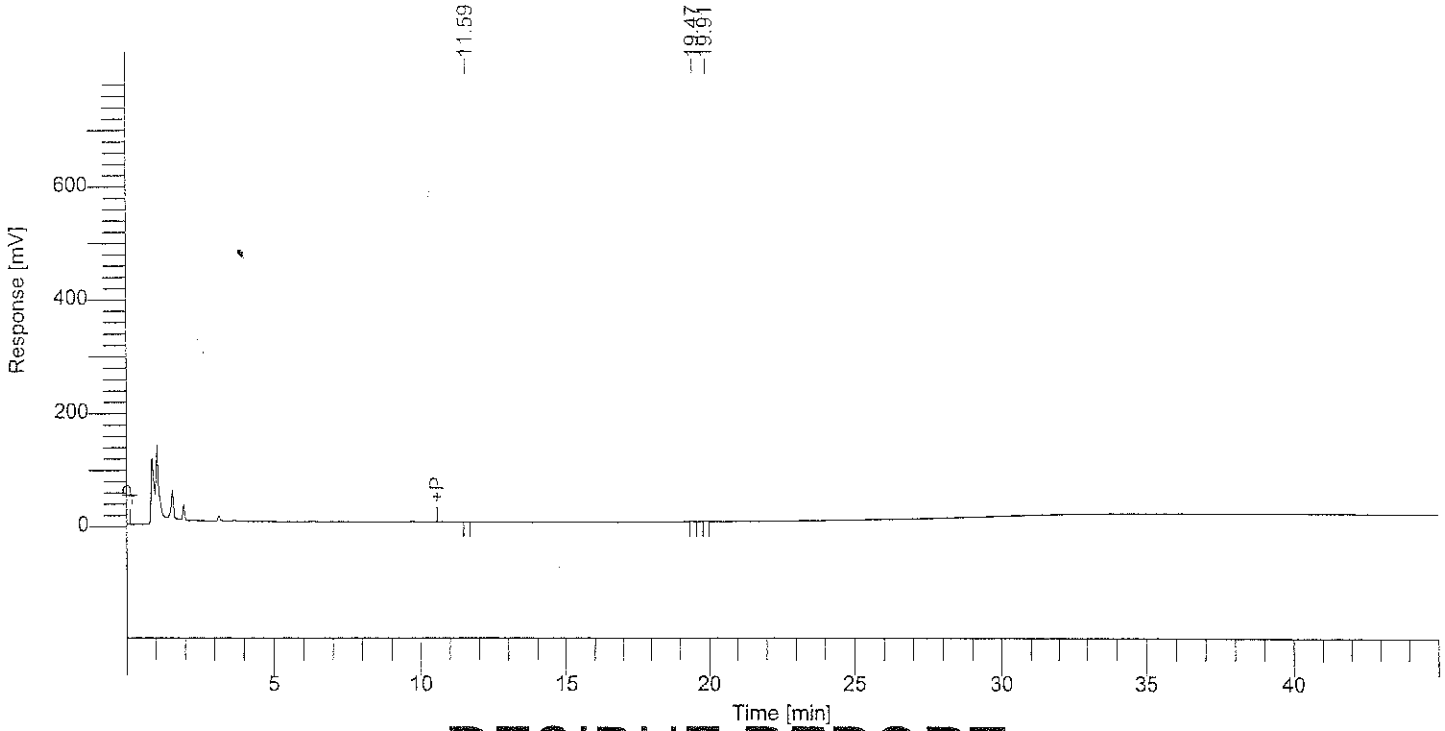
RESIDUE REPORT

ANALYSIS OF SAMPLES FOR POLYCHLORINATED BIPHENYLS

Component Name	Time [min]	Area [µV·s]
	10.83	2574
	11.32	9667
	18.90	9260
		21501

Software Version	: 6.1.1.0.0:K20	Date	: 3/22/2002 8:00:30 AM
Sample Name	: FLUSH	Data Acquisition Time	: 3/21/2002 1:20:43 PM
Instrument Name	: GC07	Channel	: B
Rack/Vial	: 0/0	Operator	: manager
Sample Amount	: 1.000000	Dilution Factor	: 1.000000
Cycle	: 1		

Result File : C:\PEST\GC7\DATAECD\02032001_001.rst
Sequence File : C:\PEST\GC7\SEQUENCE\ECD\02032001.seq



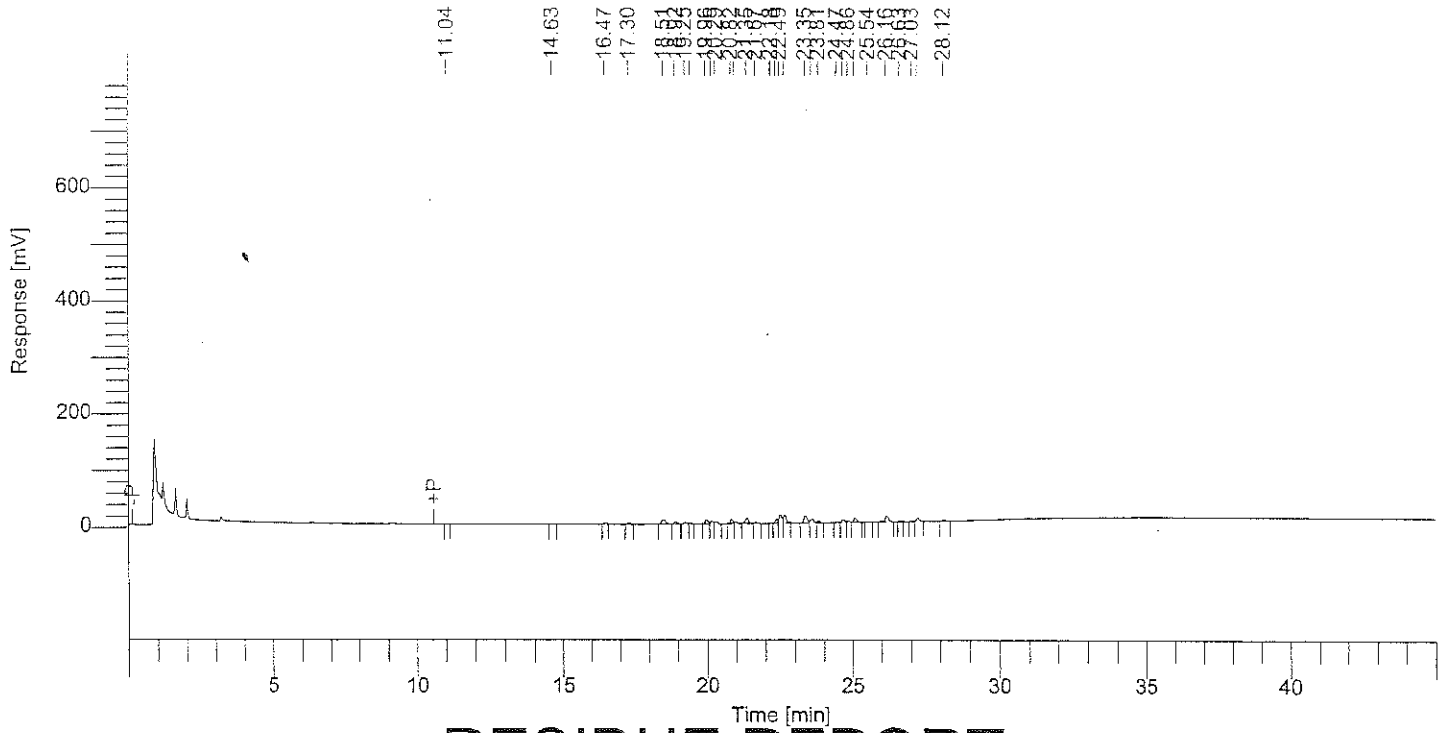
RESIDUE REPORT

ANALYSIS OF SAMPLES FOR POLYCHLORINATED BIPHENYLS

Component Name	Time [min]	Area [µV·s]
	11.59	4327.52
	19.47	6843.84
	19.91	3432.00
		14603.36

Software Version	: 6.1.1.0.0:K20	Date	: 3/22/2002 8:00:36 AM
Sample Name	: AROCLOR 1248	Data Acquisition Time	: 3/21/2002 2:13:17 PM
Instrument Name	: GC07	Channel	: B
Rack/Vial	: 0/0	Operator	: manager
Sample Amount	: 1.000000	Dilution Factor	: 1.000000
Cycle	: 2		

Result File : C:\PEST\GC7\DATAECD\02032001_002.rst
Sequence File : C:\PEST\GC7\SEQUENCE\ECD\02032001.seq



RESIDUE REPORT

ANALYSIS OF SAMPLES FOR POLYCHLORINATED BIPHENYLS

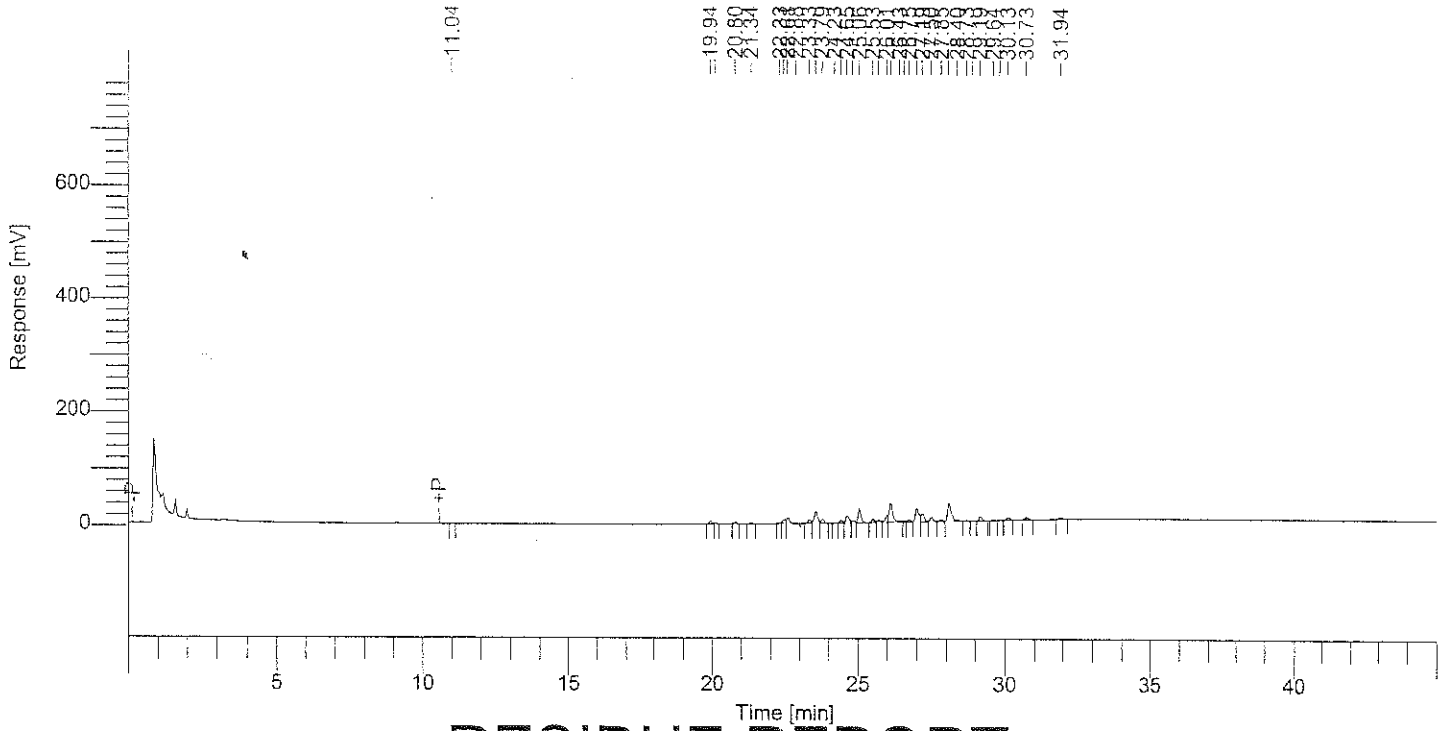
Component Name	Time [min]	Area [µV·s]
	11.04	3841.92
	14.63	4093.44
	16.47	11034.40
	17.30	17910.24
	18.51	80212.83
	18.92	31254.72
	19.25	21531.98
	19.43	8362.55
	19.96	48082.54
	20.14	32967.44
	20.29	29593.86
	20.82	54767.80
	20.97	29933.83
	21.35	87148.94
	21.67	15663.34
	22.18	2582.70

3/22/2002 8:00:36 AM Result: C:\PEST\GC7\DATAECD\02032001_002.rst

Component Name	Time [min]	Area [µV·s]
	22.35	39394.55
	22.49	100805.73
	22.64	99335.58
	23.35	105153.25
	23.58	57495.82
	23.81	25279.74
	24.47	17369.00
	24.68	38101.52
	24.86	19798.29
	25.08	65375.36
	25.54	13542.72
	26.16	84076.16
	26.63	3163.84
	27.03	8545.50
	27.22	47883.62
	28.12	16230.24
		1220533.44

Software Version	: 6.1.1.0.0:K20	Date	: 3/22/2002 8:00:42 AM
Sample Name	: AROCLOR 1254	Data Acquisition Time	: 3/21/2002 3:05:51 PM
Instrument Name	: GC07	Channel	: B
Rack/Vial	: 0/0	Operator	: manager
Sample Amount	: 1.000000	Dilution Factor	: 1.000000
Cycle	: 3		

Result File : C:\PEST\GC7\DATAECD\02032001_003.rst
Sequence File : C:\PEST\GC7\SEQUENCE\ECD\02032001.seq



RESIDUE REPORT

ANALYSIS OF SAMPLES FOR POLYCHLORINATED BIPHENYLS

Component Name	Time [min]	Area [µV·s]
	11.04	4099.68
	19.94	39141.08
	20.12	7266.76
	20.80	18838.40
	21.34	11944.64
	22.33	9883.07
	22.47	52836.32
	22.61	81437.73
	22.88	9238.40
	23.33	46106.22
	23.57	173309.80
	23.79	54831.98
	24.23	5389.60
	24.45	34750.87
	24.65	98854.26
	24.84	34968.12

$\sum \text{area} = 94972.45$

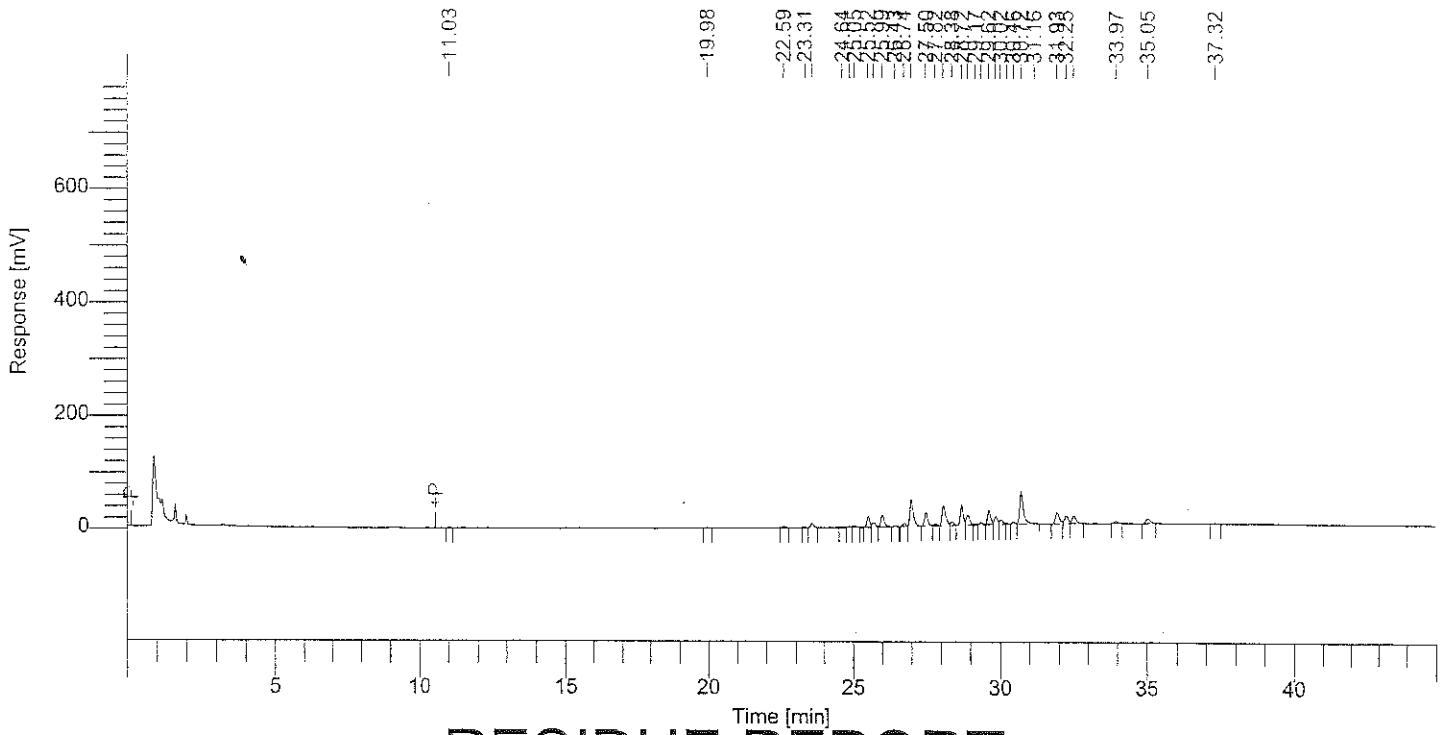
$Rf = \frac{2ng}{(94972.45)} = 2.1059 \times 10^{-}$

3/22/2002 8:00:42 AM Result: C:\PEST\GC7\DATAECD\02032001_003.rst

Component Name	Time [min]	Area [µV·s]
	25.06	191149.95
	25.53	46235.92
	25.72	38572.57
	26.01	73772.68
	26.14	297515.67
	26.43	18361.28
	26.60	13951.67
	26.75	30838.64
	27.00	194443.10
	27.19	127909.59
	27.50	61980.62
	27.85	36993.89
	28.10	311224.35
	28.40	19298.56
	28.73	13004.99
	28.94	8056.47
	29.19	63246.08
	29.64	12375.98
	29.86	5914.42
	30.13	34497.60
	30.73	35600.32
	31.94	28212.48
		2346053.76

Software Version	: 6.1.1.0.0:K20	Date	: 3/22/2002 8:00:48 AM
Sample Name	: AROCLOR 1260	Data Acquisition Time	: 3/21/2002 3:58:23 PM
Instrument Name	: GC07	Channel	: B
Rack/Vial	: 0/0	Operator	: manager
Sample Amount	: 1.000000	Dilution Factor	: 1.000000
Cycle	: 4		

Result File : C:\PEST\GC7\DATAECD\02032001_004.rst
Sequence File : C:\PEST\GC7\SEQUENCE\ECD\02032001.seq



RESIDUE REPORT

ANALYSIS OF SAMPLES FOR POLYCHLORINATED BIPHENYLS

Component Name	Time [min]	Area [µV·s]
	11.03	4332.00
	19.98	10281.28
	22.59	21206.72
	23.31	6539.37
	23.55	53512.47
	24.64	6130.24
	24.90	10839.30
	25.05	23974.94
	25.52	130136.03
	25.70	64449.17
	25.99	171046.85
	26.43	9110.68
	26.74	39665.84
	26.99	404192.37
	27.50	191744.94
	27.82	26951.07

Σ area = 445296.8

$Rf = \frac{2ng}{(445296.8)}$

$= 4.4914 \times 10^{-6}$

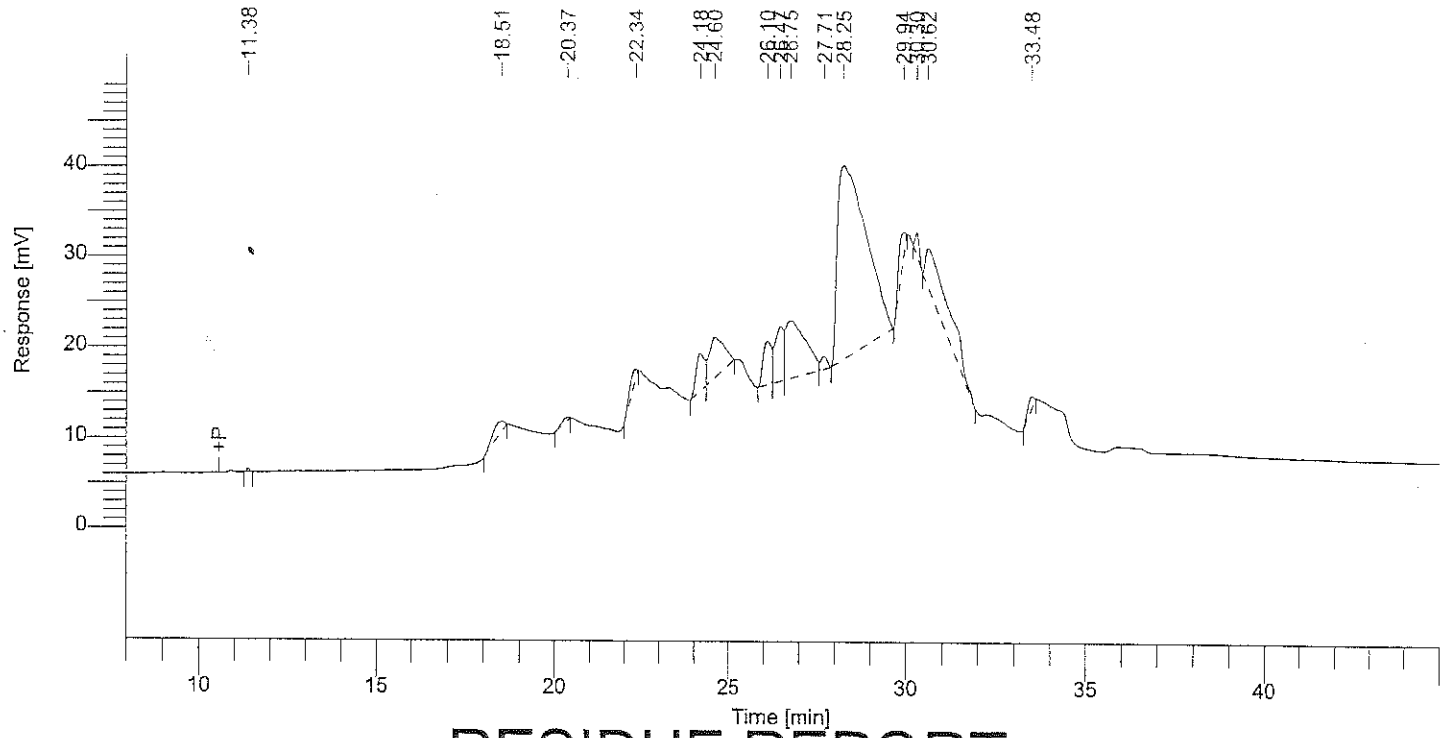
3/22/2002 8:00:48 AM Result: C:\PEST\GC7\DATAECD\02032001_004.rst

Component Name	Time [min]	Area [µV·s]
	28.08	312587.16
	28.38	55313.17
	28.72	256421.73
	28.92	140946.02
	29.17	17244.88
	29.34	35394.58
	29.62	180098.65
	29.84	120892.46
	30.02	75248.35
	30.25	20429.70
	30.46	32487.49
	30.72	499116.63
	31.16	25979.52
	31.93	197659.58
	32.25	117754.01
	32.51	129883.21
	33.97	36562.40
	35.05	85233.28
	37.32	14474.72
		3527840.80

Aroclor 1260

Software Version	: 6.1.1.0.0:K20	Date	: 4/10/2002 8:40:45 AM
Sample Name	: FLUSH	Data Acquisition Time	: 4/10/2002 7:50:35 AM
Instrument Name	: GC07	Channel	: B
Rack/Vial	: 0/0	Operator	: manager
Sample Amount	: 1.000000	Dilution Factor	: 1.000000
Cycle	: 1		

Result File : C:\PEST\GC7\matrix spike\DILUTION001.rst
Sequence File : C:\PEST\GC7\matrix spike\DILUTION.seq



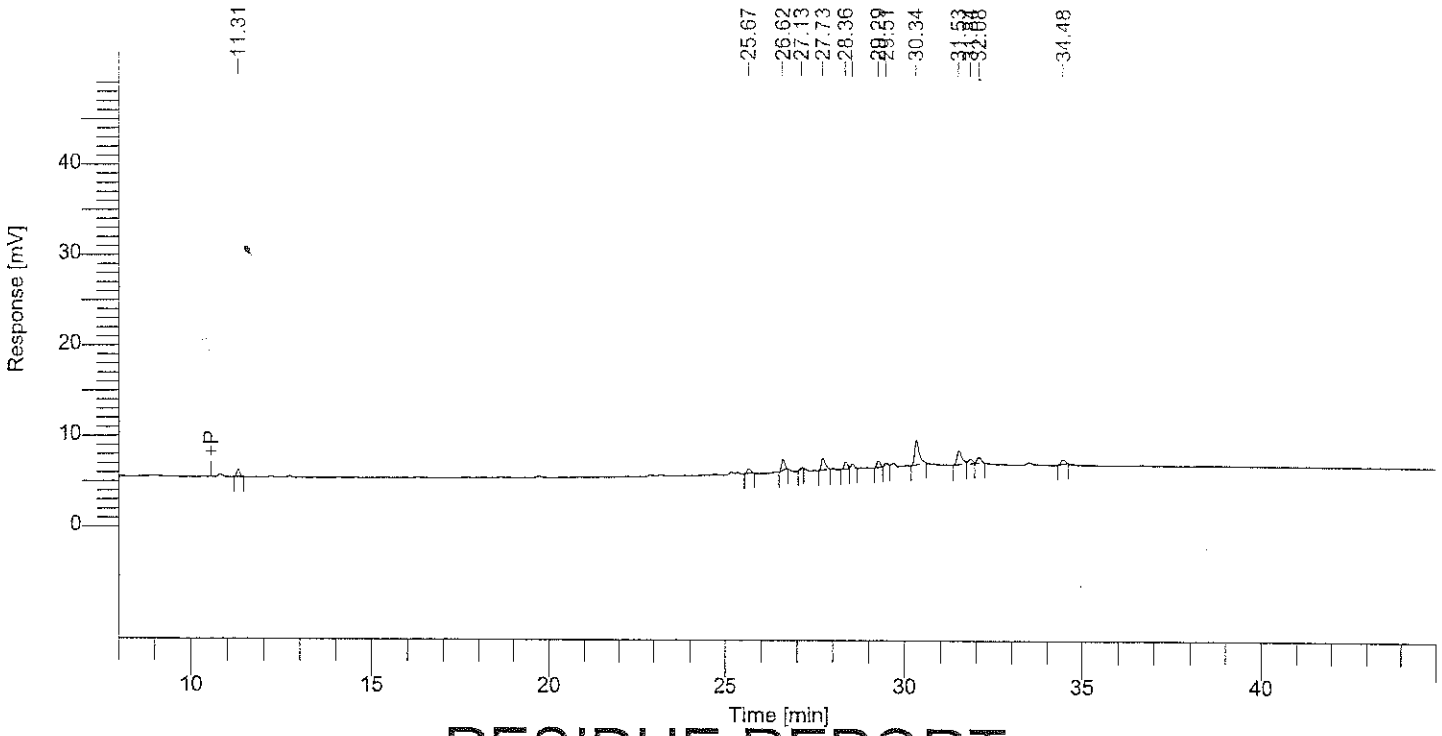
RESIDUE REPORT

ANALYSIS OF SAMPLES FOR POLYCHLORINATED BIPHENYLS

Component Name	Time [min]	Area [µV·s]
	11.38	2264.96
	18.51	32188.64
	20.37	6667.20
	22.34	27723.68
	24.18	70241.23
	24.60	134433.65
	26.10	73996.83
	26.47	102908.89
	26.75	256031.04
	27.71	18876.36
	28.25	1191997.12
	29.94	52194.56
	30.30	20839.04
	30.62	239679.04
	33.48	17148.80
		2247191.04

Software Version	: 6.1.1.0.0:K20	Date	: 4/10/2002 11:18:30 AM
Sample Name	: FLUSH	Data Acquisition Time	: 4/10/2002 10:28:11 AM
Instrument Name	: GC07	Channel	: B
Rack/Vial	: 0/0	Operator	: manager
Sample Amount	: 1.000000	Dilution Factor	: 1.000000
Cycle	: 4		

Result File : C:\PEST\GC7\matrix spike\DILUTION004.rst
Sequence File : C:\PEST\GC7\matrix spike\DILUTION.seq



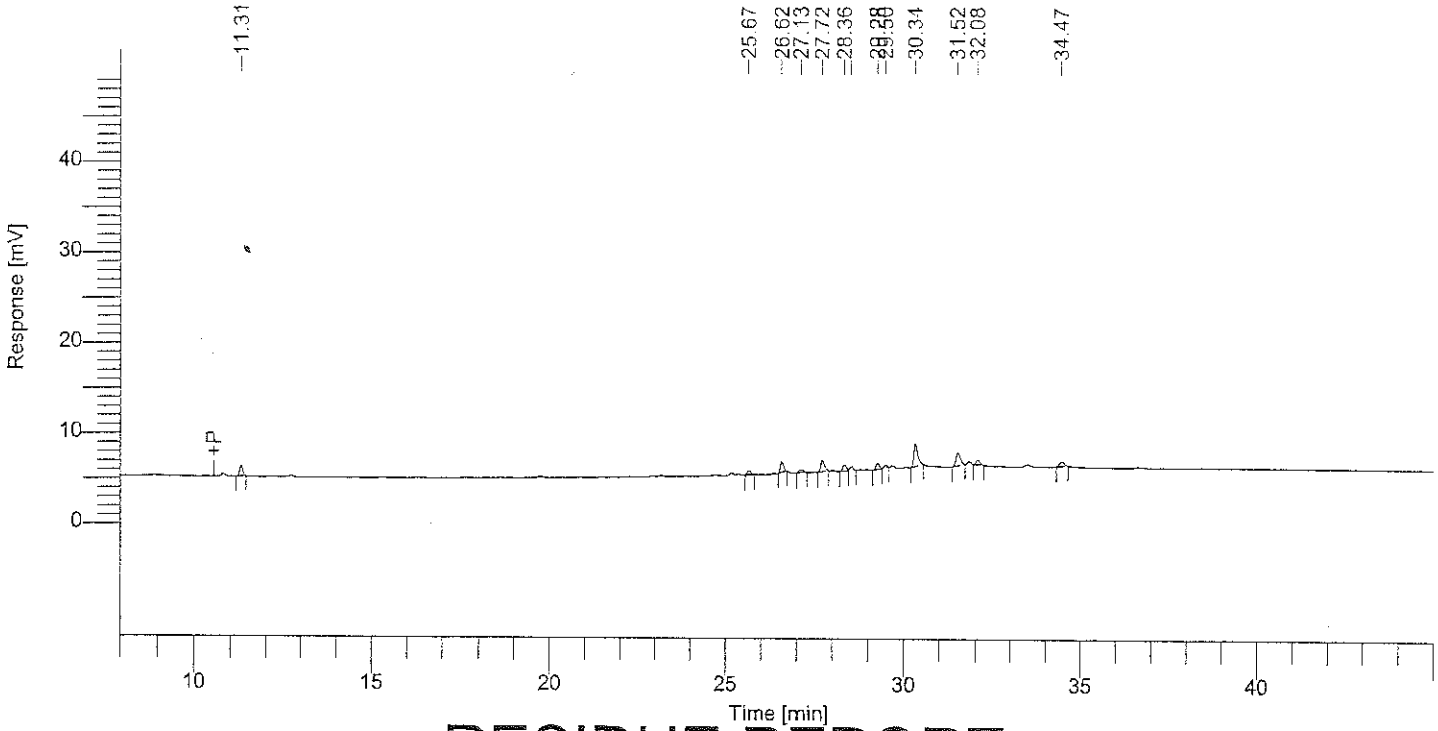
RESIDUE REPORT

ANALYSIS OF SAMPLES FOR POLYCHLORINATED BIPHENYLS

Component Name	Time [min]	Area [µV·s]
	11.31	4954.56
	25.67	4024.64
	26.62	7948.16
	27.73	11109.92
	28.36	5683.67
	28.56	3496.97
	29.29	4754.30
	29.51	2056.90
	30.34	23638.72
	31.53	14983.25
	31.84	4787.00
	32.08	5407.03
	34.48	4870.08
		97715.20

Software Version	: 6.1.1.0.0:K20	Date	: 4/10/2002 1:03:30 PM
Sample Name	: FLUSH	Data Acquisition Time	: 4/10/2002 12:13:13 PM
Instrument Name	: GC07	Channel	: B
Rack/Vial	: 0/0	Operator	: manager
Sample Amount	: 1.000000	Dilution Factor	: 1.000000
Cycle	: 6		

Result File : C:\PEST\GC7\matrix spike\DILUTION006.rst
Sequence File : C:\PEST\GC7\matrix spike\DILUTION.seq



RESIDUE REPORT

ANALYSIS OF SAMPLES FOR POLYCHLORINATED BIPHENYLS

Component Name	Time [min]	Area [µV·s]
	11.31	6566.40
	25.67	3362.24
	26.62	7432.00
	27.13	3092.80
	27.72	10190.40
	28.36	4985.29
	28.56	3039.19
	29.28	4384.76
	30.34	20696.64
	31.52	11910.40
	32.08	4083.52
	34.47	5220.64
		84964.28

AROCHLOR PEAK RETENTION TIME AND RESPONSE FACTOR SUMMARY

AROCHLOR 1254

Peaks used to quantify Arochlor 1254:

Elution time (min)	Area
23.52	48870
23.97	5128
24.18	32899

Σ Area = 86,897

Response Factor (R_f): (2 ng/86,897)= 2.3016 **X** $\mathbf{10^{-5}}$

AROCHLOR 1260

Peaks used to quantify Arochlor 1260:

Elution time (min)	Area
31.61	220694
31.93	135211
32.17	169712

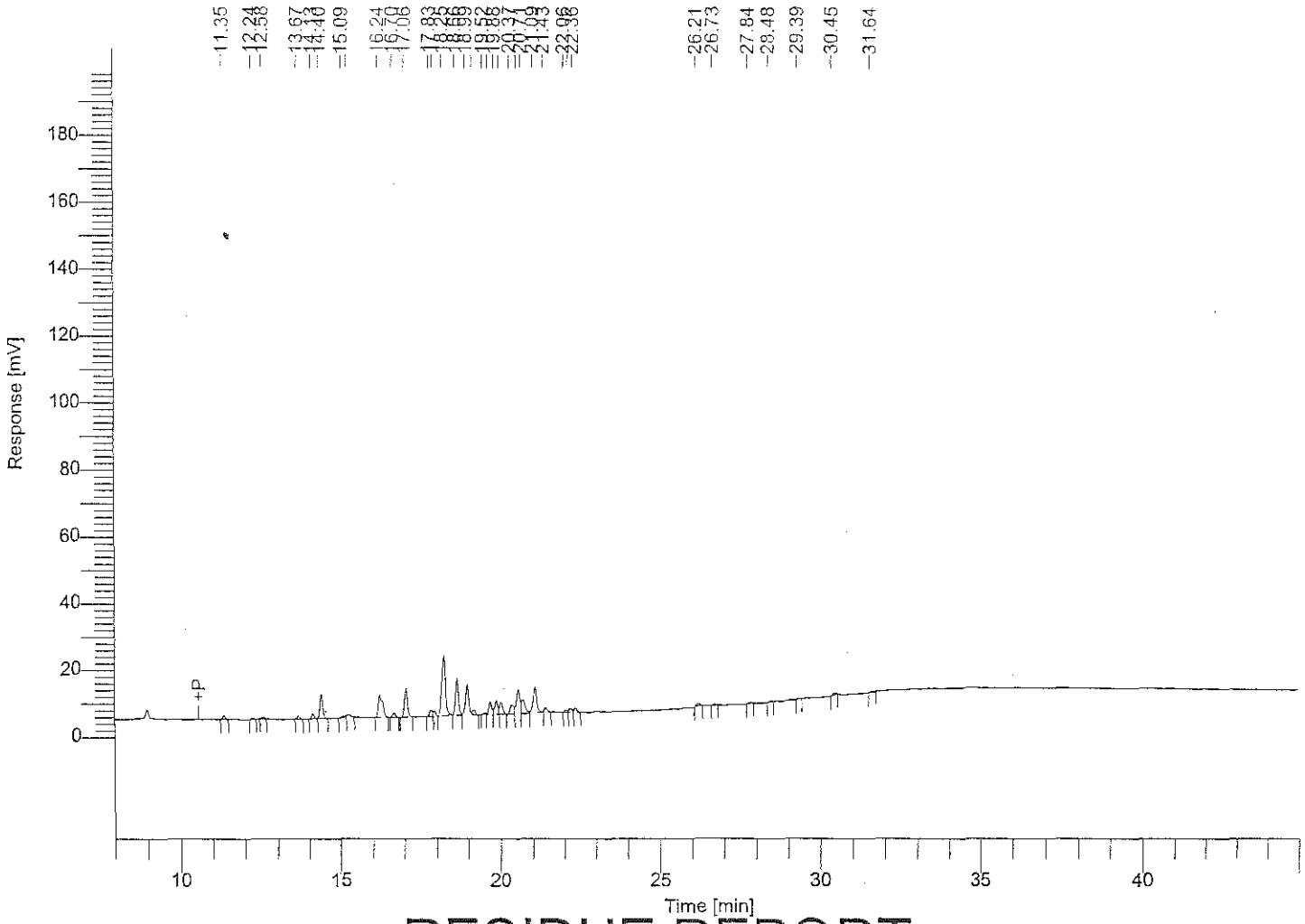
Σ Area = 525,617

Response Factor (R_f): (2 ng/525,617)= 3.8051 **X** $\mathbf{10^{-6}}$

AROCHLOR STANDARDS
(1.0 υg/mL)

Software Version	: 6.1.1.0.0:K20	Date	: 3/25/2002 10:42:14 AM
Sample Name	: AROCLOR 1016	Data Acquisition Time	: 3/22/2002 7:35:27 PM
Instrument Name	: GC07	Channel	: B
Rack/Vial	: 0/0	Operator	: manager
Sample Amount	: 1.000000	Dilution Factor	: 1.000000
Cycle	: 5		

Result File : C:\PEST\GC7\DATAECD\AROCHLOR_005.rst
Sequence File : C:\PEST\GC7\SEQUENCE\ECD\AROCHLOR ANALYSIS.seq



RESIDUE REPORT

ANALYSIS OF SAMPLES FOR POLYCHLORINATED BIPHENYLS

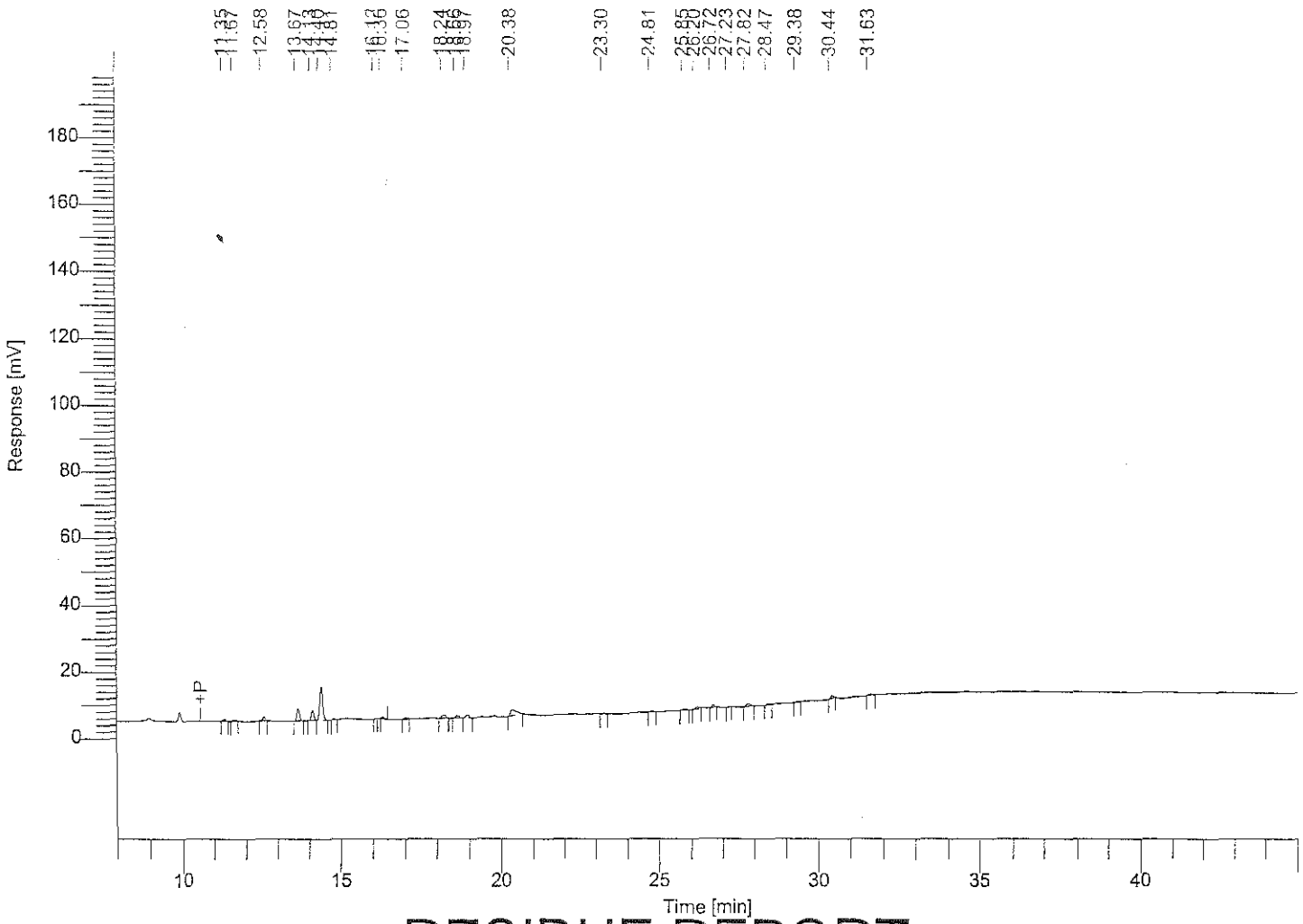
Component Name	Time [min]	Area [µV·s]
	11.35	6257
	12.58	3276
	13.67	6371
	14.13	8925
	14.40	43232
	15.09	4158
	15.26	5912

3/25/2002 10:42:14 AM Result: C:\PEST\GC7\DATAECD\AROCHLOR_005.rst

Component Name	Time [min]	Area [µV·s]
	16.24	66701
	16.70	7971
	17.06	53736
	17.83	11776
	17.94	9329
	18.25	157024
	18.66	72988
	18.99	66214
	19.19	8845
	19.52	2124
	19.70	23480
	19.88	27639
	20.03	25348
	20.37	22001
	20.57	54201
	20.71	35299
	21.09	62910
	21.43	8219
	22.06	4000
	22.21	7749
	22.36	8063
	26.21	6244
	26.73	2686
	27.84	3128
	30.45	4406
	31.64	2535
		832748

Software Version	: 6.1.1.0.0:K20	Date	: 3/25/2002 10:42:21 AM
Sample Name	: AROCLOR 1221	Data Acquisition Time	: 3/22/2002 8:28:05 PM
Instrument Name	: GC07	Channel	: B
Rack/Vial	: 0/0	Operator	: manager
Sample Amount	: 1.000000	Dilution Factor	: 1.000000
Cycle	: 6		

Result File : C:\PEST\GC7\DATAECD\AROCHLOR_006.rst
Sequence File : C:\PEST\GC7\SEQUENCE\ECD\AROCHLOR ANALYSIS.seq



RESIDUE REPORT

ANALYSIS OF SAMPLES FOR POLYCHLORINATED BIPHENYLS

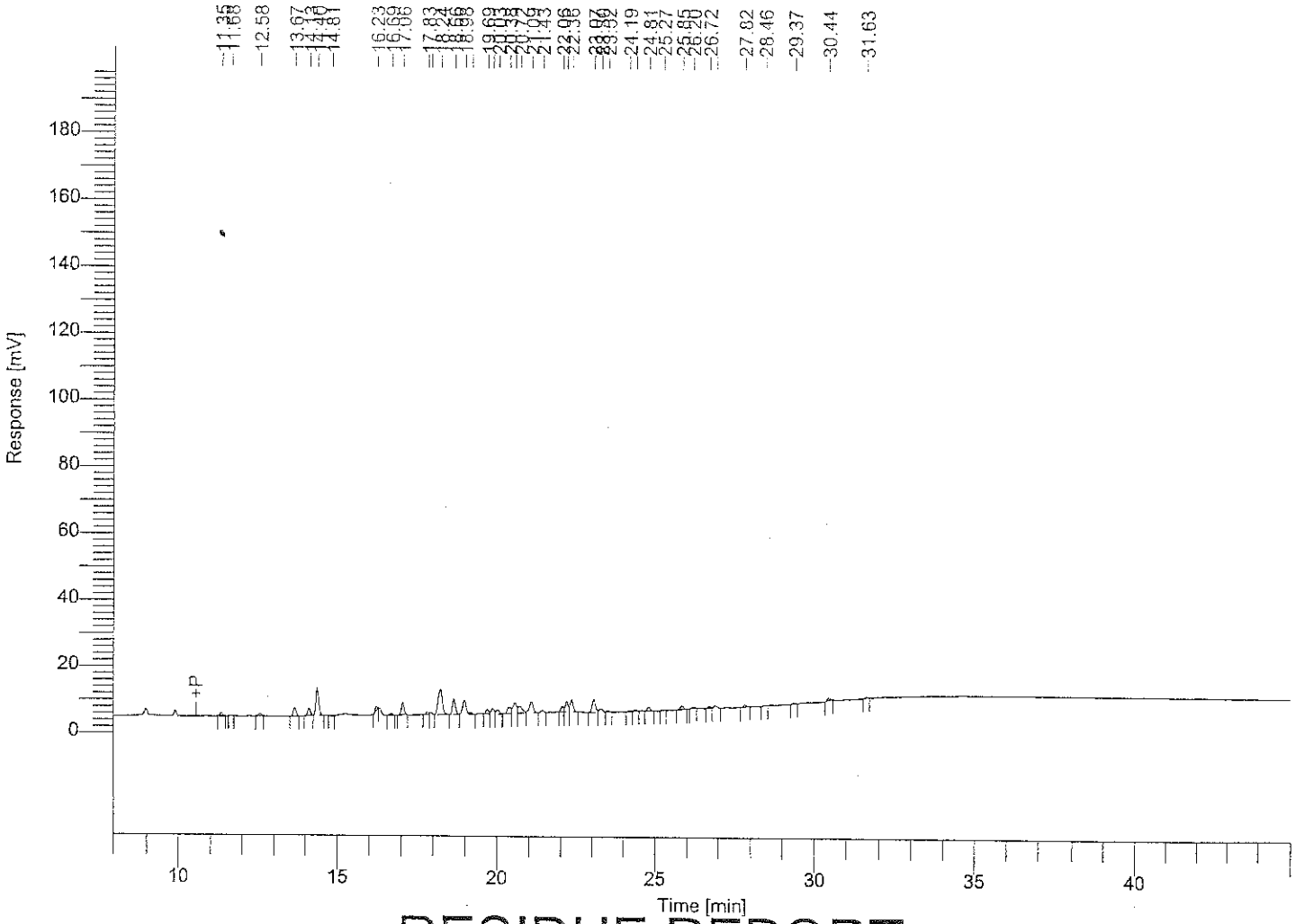
Component Name	Time [min]	Area [µV·s]
	11.35	3836
	11.67	2726
	12.58	6709
	13.67	23273
	14.13	17767
	14.40	63278
	14.81	2095

3/25/2002 10:42:21 AM Result: C:\PEST\GC7\DATAECD\AROCHLOR_006.rst

Component Name	Time [min]	Area [µV·s]
	16.36	3567
	17.06	3801
	18.24	8535
	18.66	5980
	18.97	6637
	20.38	22380
	23.30	2032
	24.81	2721
	25.85	3700
	26.20	4807
	26.72	4529
	27.82	7976
	28.47	2427
	29.38	2117
	30.44	5421
	31.63	3580
		209894

Software Version	: 6.1.1.0.0:K20	Date	: 3/25/2002 10:42:28 AM
Sample Name	: AROCLOR 1232	Data Acquisition Time	: 3/22/2002 9:20:42 PM
Instrument Name	: GC07	Channel	: B
Rack/Vial	: 0/0	Operator	: manager
Sample Amount	: 1.000000	Dilution Factor	: 1.000000
Cycle	: 7		

Result File : C:\PEST\GC7\DATAECD\AROCHLOR_007.rst
Sequence File : C:\PEST\GC7\SEQUENCE\ECD\AROCHLOR ANALYSIS.seq



RESIDUE REPORT

ANALYSIS OF SAMPLES FOR POLYCHLORINATED BIPHENYLS

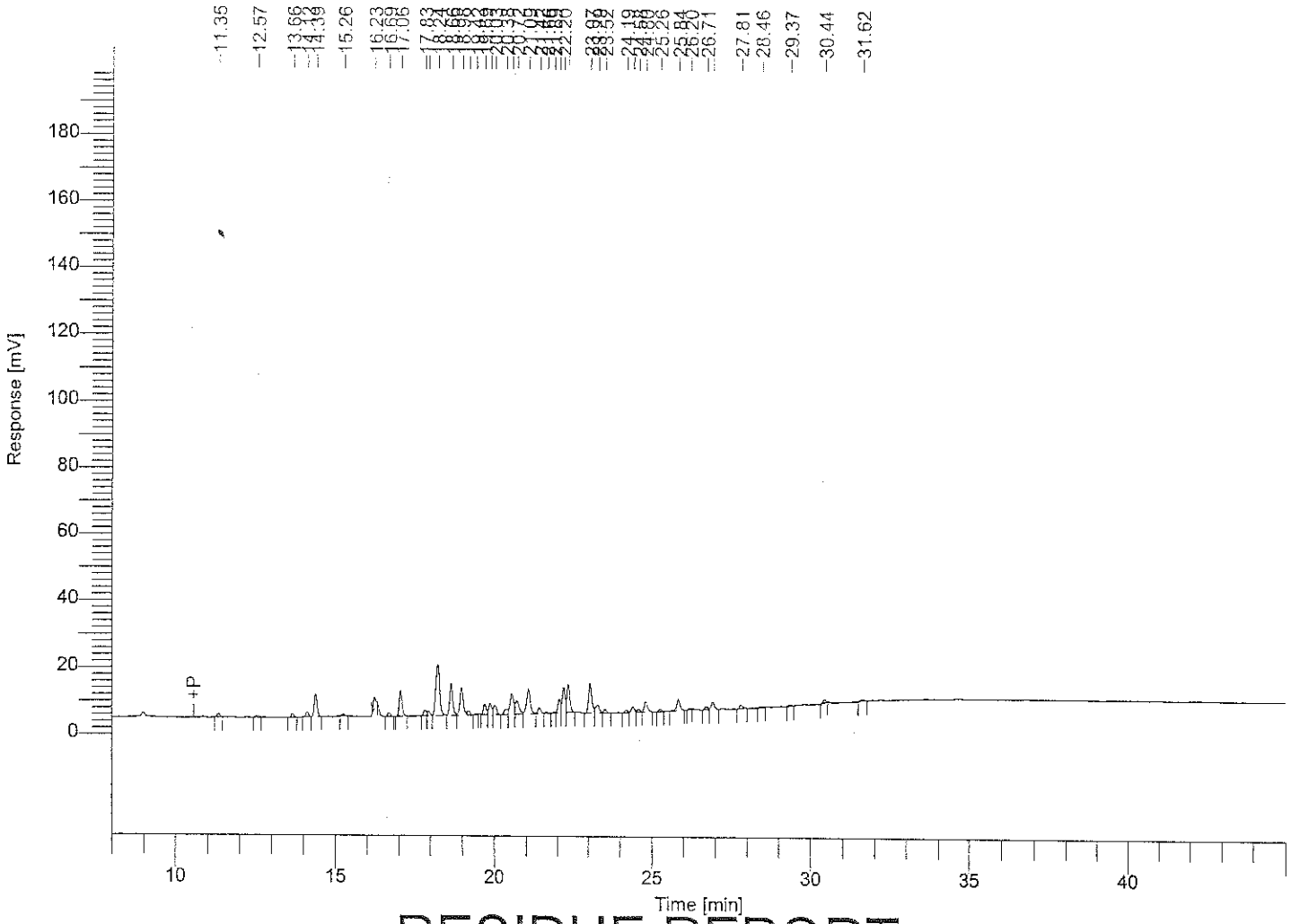
Component Name	Time [min]	Area [µV·s]
	11.35	5524
	12.58	5203
	13.67	15540
	14.13	13499
	14.40	52448
	16.23	6506
	16.69	3352

3/25/2002 10:42:28 AM Result: C:\PEST\GC7\DATAECD\AROCHLOR_007.rst

Component Name	Time [min]	Area [µV·s]
	17.06	23574
	17.83	5768
	17.94	3791
	18.24	67005
	18.66	32017
	18.98	32481
	19.19	3140
	19.69	8589
	19.87	11490
	20.03	9282
	20.38	16157
	20.56	27235
	20.72	20643
	21.09	29727
	21.43	4617
	22.06	9935
	22.20	21308
	22.36	25229
	23.07	29929
	23.30	8169
	23.52	2710
	24.40	3306
	24.81	8134
	25.85	8307
	26.20	3351
	26.72	4199
	26.91	6071
	27.82	5438
	30.44	5677
	31.63	2644
		541996

Software Version	: 6.1.1.0.0:K20	Date	: 3/25/2002 10:42:35 AM
Sample Name	: AROCLOR 1242	Data Acquisition Time	: 3/22/2002 10:13:19 PM
Instrument Name	: GC07	Channel	: B
Rack/Vial	: 0/0	Operator	: manager
Sample Amount	: 1.000000	Dilution Factor	: 1.000000
Cycle	: 8		

Result File : C:\PEST\GC7\DATAECD\AROCHLOR_008.rst
Sequence File : C:\PEST\GC7\SEQUENCE\ECD\AROCHLOR ANALYSIS.seq



RESIDUE REPORT

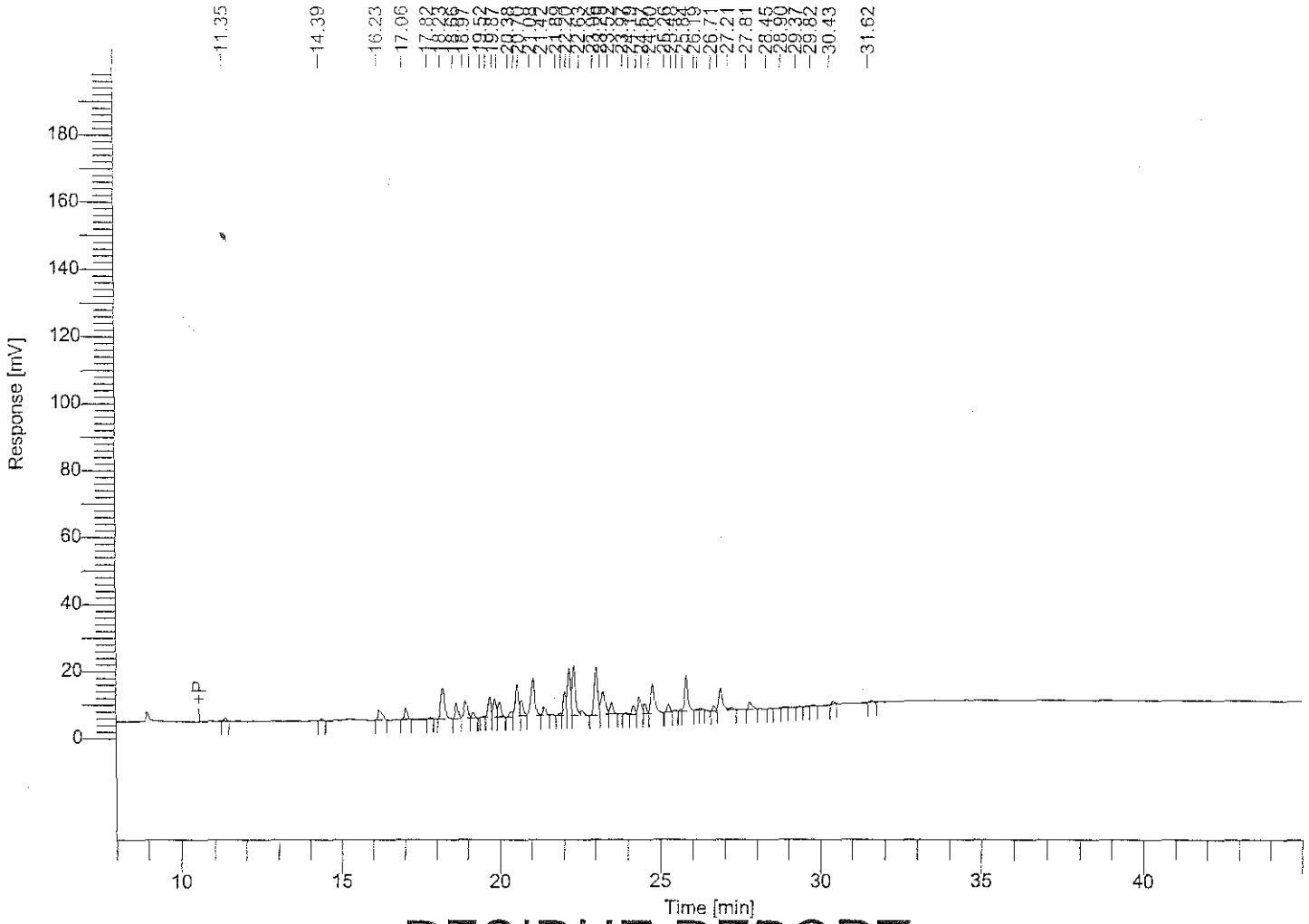
ANALYSIS OF SAMPLES FOR POLYCHLORINATED BIPHENYLS

Component Name	Time [min]	Area [µV·s]
	11.35	6468
	12.57	3588
	13.66	6911
	14.12	9304
	14.39	43119
	15.26	3547
	16.23	17570

Component Name	Time [min]	Area [µV·s]
	16.69	7072
	17.06	48071
	17.83	10861
	17.94	8538
	18.24	135044
	18.66	64370
	18.98	60249
	19.19	7138
	19.69	19821
	19.87	23849
	20.03	20646
	20.38	12753
	20.56	46417
	20.72	35144
	21.09	62724
	21.42	11677
	21.66	2209
	22.06	24273
	22.20	50503
	22.36	58522
	23.07	67081
	23.29	20693
	23.52	8035
	24.19	5504
	24.40	12322
	24.58	6257
	24.80	23057
	25.26	5340
	25.84	25720
	26.71	6558
	26.91	16561
	27.81	9505
	28.46	2876
	29.37	2522
	30.44	5638
	31.62	4162
		1022219

Software Version	: 6.1.1.0.0:K20	Date	: 3/25/2002 10:42:42 AM
Sample Name	: AROCLOR 1248	Data Acquisition Time	: 3/22/2002 11:05:56 PM
Instrument Name	: GC07	Channel	: B
Rack/Vial	: 0/0	Operator	: manager
Sample Amount	: 1.000000	Dilution Factor	: 1.000000
Cycle	: 9		

Result File : C:\PEST\GC7\DATAECD\AROCHLOR_009.rst
Sequence File : C:\PEST\GC7\SEQUENCE\ECD\AROCHLOR ANALYSIS.seq



RESIDUE REPORT

ANALYSIS OF SAMPLES FOR POLYCHLORINATED BIPHENYLS

Component Name	Time [min]	Area [µV·s]
	11.35	5622
	14.39	3734
	16.23	26966
	17.06	20588
	17.82	2442
	18.23	85886
	18.66	32545

Aroclor 1248

Σ area = 158285

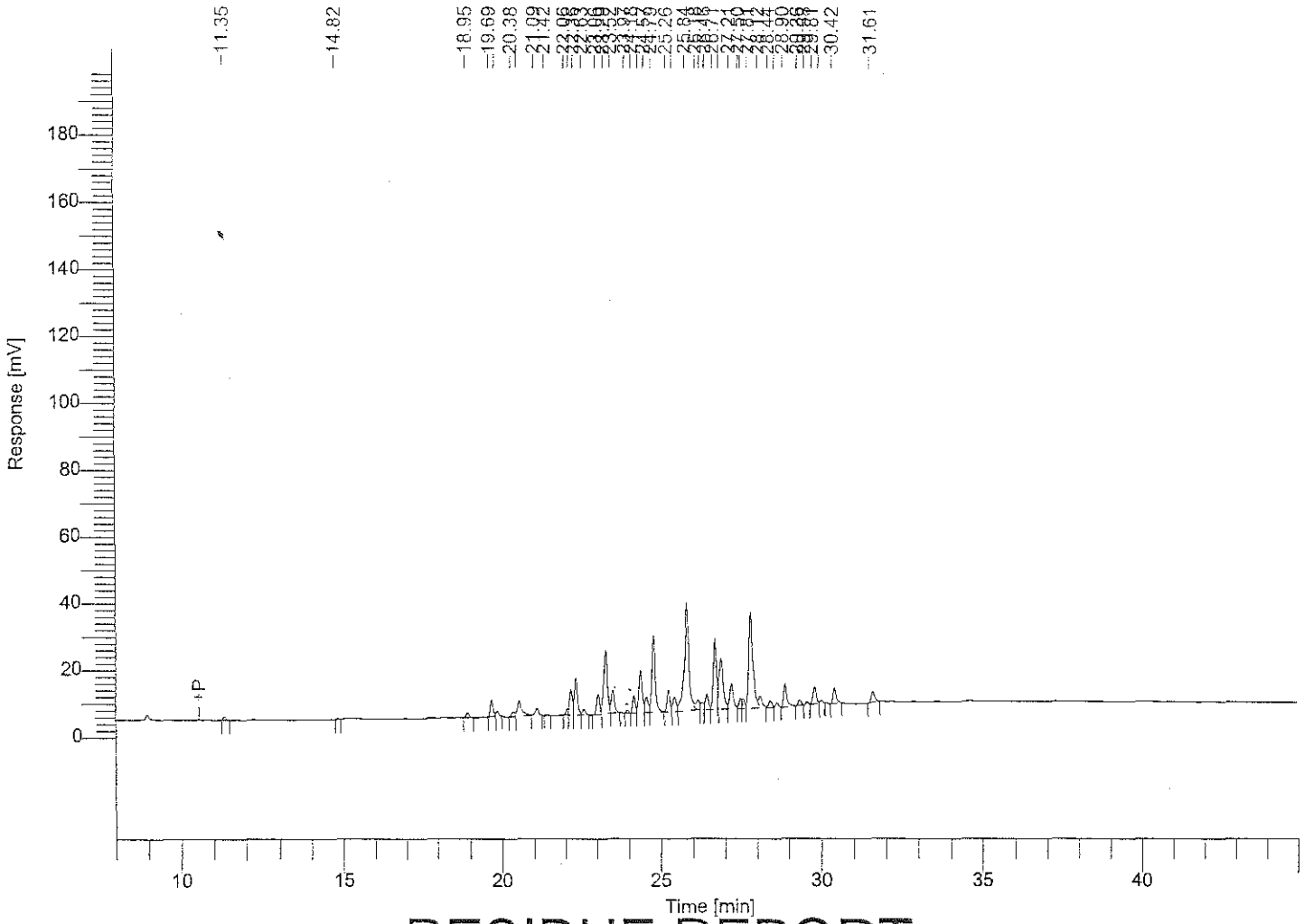
$Rf = \frac{2ng}{158285}$

$= 1.2635 \times 10^{-5}$

Component Name	Time [min]	Area [µV·s]
	18.97	39854
	19.19	10734
	19.52	2230
	19.69	39002
	19.87	37144
	20.02	31973
	20.38	10568
	20.56	70167
	20.70	36127
	21.08	93186
	21.42	16436
	21.89	3651
	22.06	42757
	22.20	94783
	22.36	114389
	22.63	10545
	23.06	104470
	23.29	56557
	23.52	23591
	23.97	2714
	24.19	16985
	24.39	37723
	24.57	20954
	24.80	66236
	25.26	14945
	25.48	3023
	25.64	3776
	25.84	80748
	26.19	2209
	26.30	4190
	26.71	9772
	26.91	53665
	27.21	4687
	27.81	19511
	28.45	2176
	28.90	2944
	29.37	2011
	29.82	2705
	30.43	5110
	31.62	4069
		1376148

Software Version	: 6.1.1.0.0:K20	Date	: 3/25/2002 10:42:50 AM
Sample Name	: AROCLOR 1254	Data Acquisition Time	: 3/22/2002 11:58:33 PM
Instrument Name	: GC07	Channel	: B
Rack/Vial	: 0/0	Operator	: manager
Sample Amount	: 1.000000	Dilution Factor	: 1.000000
Cycle	: 10		

Result File : C:\PEST\GC7\DATAECD\AROCHLOR_010.rst
Sequence File : C:\PEST\GC7\SEQUENCE\ECD\AROCHLOR ANALYSIS.seq



RESIDUE REPORT

ANALYSIS OF SAMPLES FOR POLYCHLORINATED BIPHENYLS

Component Name	Time [min]	Area [µV·s]
	11.35	6105
	18.95	9614
	19.69	32053
	19.87	9239
	20.38	11008
	20.56	42132
	21.09	15909

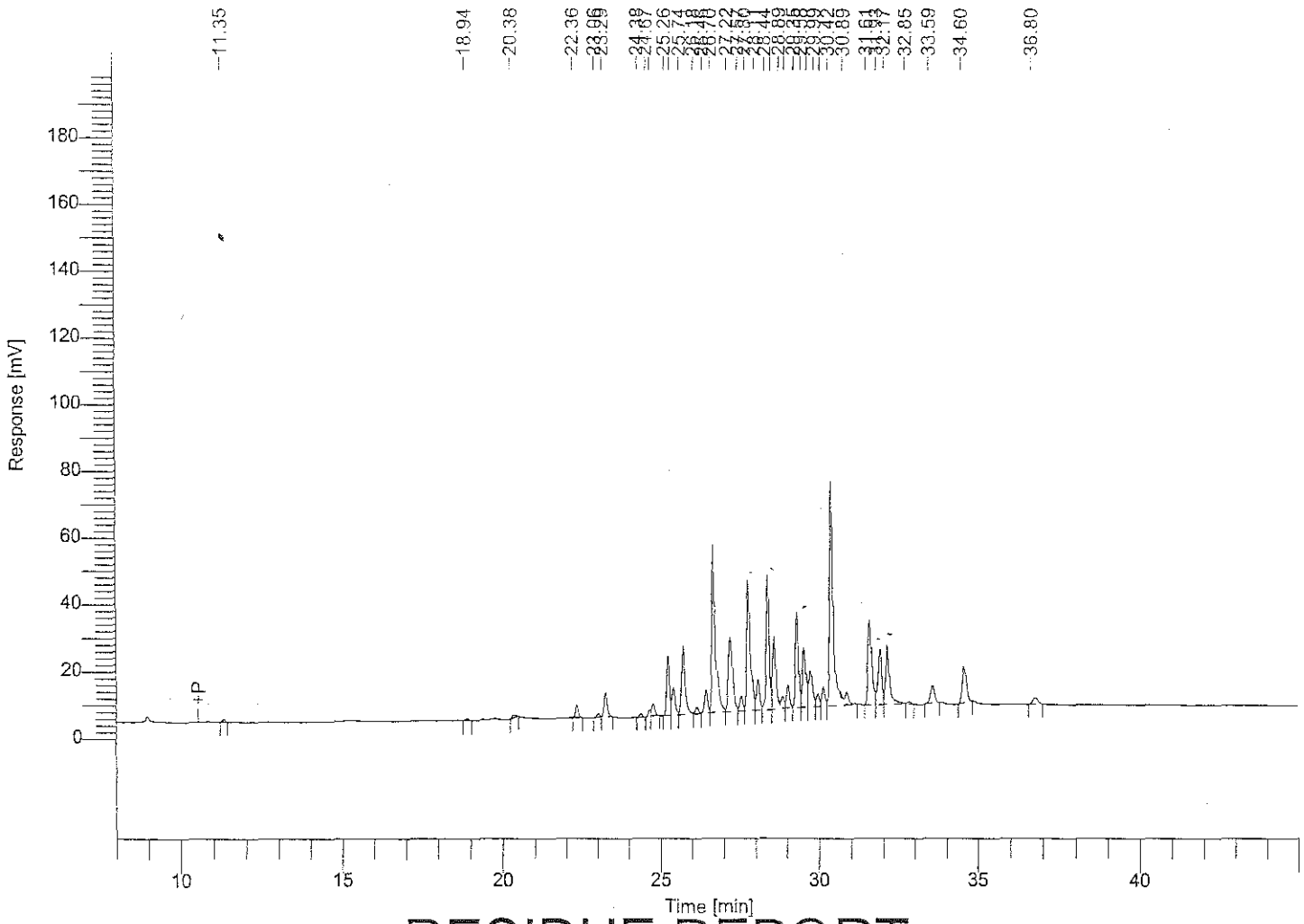
Σarea = 86897

$$Rf = \frac{2\,ng}{86897} = 2.3016 \times 10^{-5}$$

Component Name	Time [min]	Area [µV·s]
	22.06	10393
	22.20	49486
	22.36	79675
	22.63	11821
	23.06	40787
	23.29	142877
	23.52	48870
	23.97	5128
	24.18	32899
	24.39	90444
	24.57	32560
	24.79	171471
	25.26	41057
	25.46	33805
	25.84	318666
	26.18	27422
	26.31	13249
	26.46	32946
	26.71	144945
	26.90	142949
	27.21	58251
	27.50	18149
	27.58	17182
	27.81	265689
	28.12	22412
	28.44	15075
	28.64	9098
	28.90	52560
	29.36	11037
	29.58	5246
	29.81	36345
	30.02	5107
	30.42	33379
	31.61	26247
		2173286

Software Version	: 6.1.1.0.0:K20	Date	: 3/25/2002 10:42:57 AM
Sample Name	: AROCLOR 1260	Data Acquisition Time	: 3/23/2002 12:51:10 AM
Instrument Name	: GC07	Channel	: B
Rack/Vial	: 0/0	Operator	: manager
Sample Amount	: 1.000000	Dilution Factor	: 1.000000
Cycle	: 11		

Result File : C:\PEST\GC7\DATAECD\AROCHLOR_011.rst
Sequence File : C:\PEST\GC7\SEQUENCE\ECD\AROCHLOR ANALYSIS.seq



RESIDUE REPORT

ANALYSIS OF SAMPLES FOR POLYCHLORINATED BIPHENYLS

Component Name	Time [min]	Area [µV·s]
	11.35	5136
	18.94	3901
	20.38	7676
	22.36	23996
	23.06	7417
	23.29	50083
	24.38	7501

Σ area = 1325632

$Rf = \frac{2ng}{1325632}$

$= 1.5087 \times 10^{-6}$

Rf calculation for Client samples

Σ area = 525617

$Rf = \frac{2ng}{525617}$

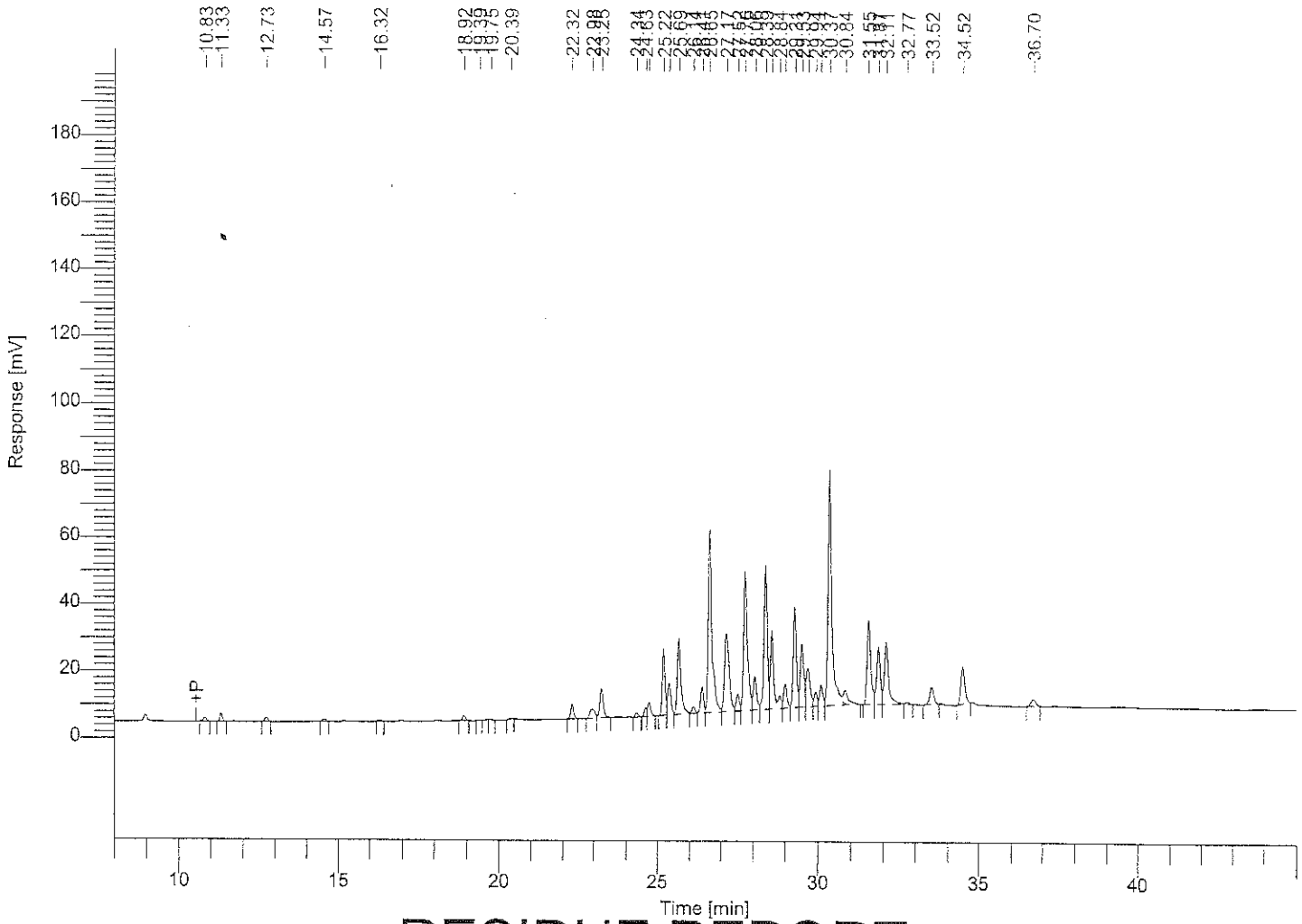
$= 3.8051 \times 10^{-6}$

3/25/2002 10:42:57 AM Result: C:\PEST\GC7\DATAECD\AROCHLOR_011.rst

Component Name	Time [min]	Area [µV·s]
	24.67	11710
	24.79	28291
	25.26	117784
	25.44	64425
	25.74	165604
	26.18	15636
	26.46	47557
	26.70	420757
	27.22	203175
	27.57	32436
	27.80	328706
	28.11	69554
	28.44	281139
	28.64	162770
	28.89	23154
	29.07	46623
	29.35	190170
	29.58	131149
	29.76	94021
	29.99	26265
	30.16	40502
	30.42	549563
	30.89	36401
	31.61	220694
	31.93	135211
	32.17	169712
	32.85	6642
	33.59	46286
	34.60	98970
	36.80	21204
		3891821

Software Version	: 6.1.1.0.0:K20	Date	: 3/25/2002 11:07:10 AM
Sample Name	: AROCHLOR 1260	Data Acquisition Time	: 3/24/2002 5:47:49 AM
Instrument Name	: GC07	Channel	: B
Rack/Vial	: 0/0	Operator	: manager
Sample Amount	: 1.000000	Dilution Factor	: 1.000000
Cycle	: 44		

Result File : C:\PEST\GC7\DATAECD\AROCHLOR_044.rst
Sequence File : C:\PEST\GC7\SEQUENCE\ECD\AROCHLOR ANALYSIS.seq



RESIDUE REPORT

ANALYSIS OF SAMPLES FOR POLYCHLORINATED BIPHENYLS

Component Name	Time [min]	Area [µV·s]
	10.83	7583
	11.33	14598
	12.73	9043
	14.57	5600
	16.32	2945
	18.92	9219
	19.75	2050

Σ area = 536735

$R_f = \frac{2ng}{(536735)}$

$= 3.7262 \times 10^{-6}$ (10)

(10) used for calculations of client samples which follow this injection. SB 3/25/2002

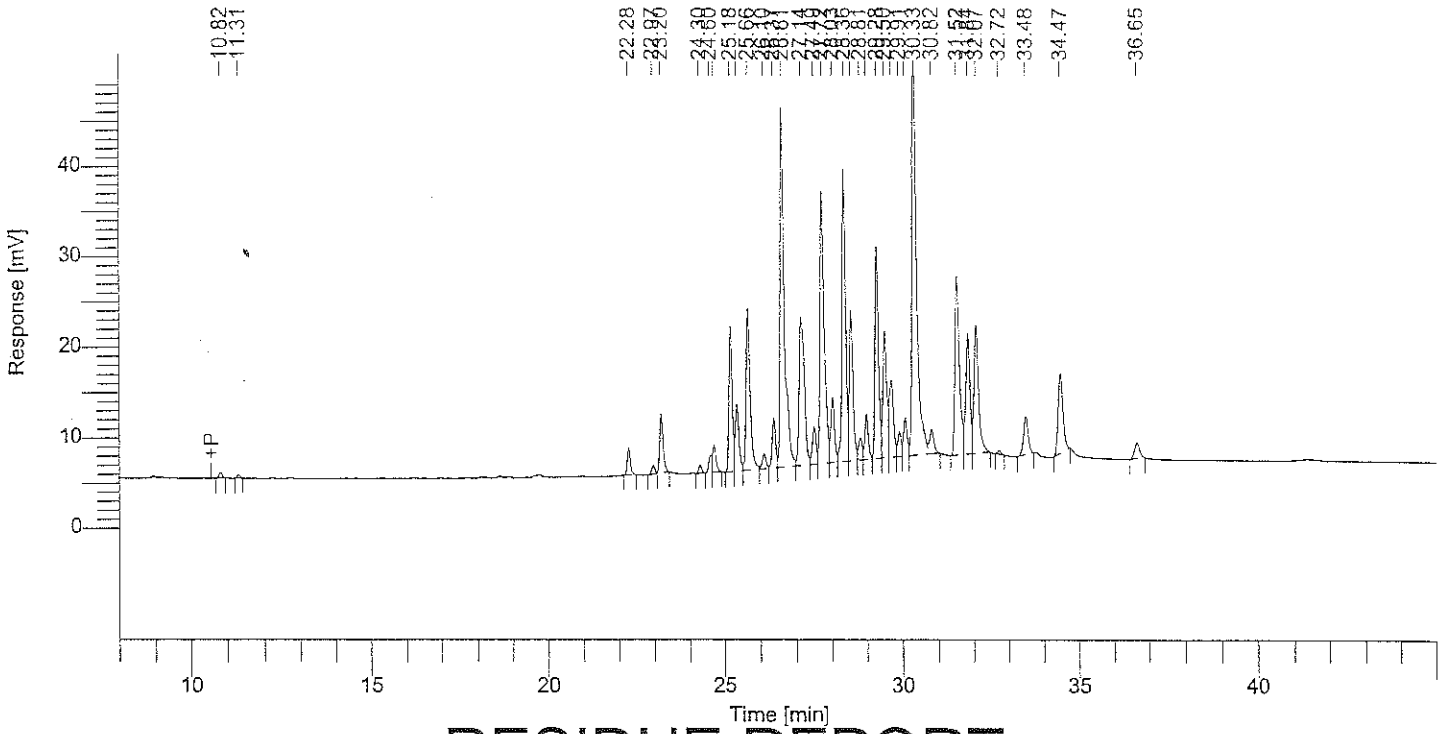
3/25/2002 11:07:10 AM Result: C:\PEST\GC7\DATAECD\AROCHLOR_044.rst

Component Name	Time [min]	Area [µV·s]
	20.39	2013
	22.32	28833
	22.98	30413
	23.25	63737
	24.34	8646
	24.63	13401
	24.74	30923
	25.22	131716
	25.40	70369
	25.69	180980
	26.14	14547
	26.41	50494
	26.65	456896
	27.17	223398
	27.52	36400
	27.76	352332
	28.06	75914
	28.39	303317
	28.59	178643
	28.84	26202
	29.02	51731
	29.31	203620
	29.53	141606
	29.71	103423
	29.94	30791
	30.11	47821
	30.37	595441
	30.84	49649
	31.55	218775
	31.87	140183
	32.11	177777
	32.77	5281
	33.52	45270
	34.52	100052
	36.70	21849
		4263482

Arochlor 1260

Software Version	: 6.1.1.0.0:K20	Date	: 4/10/2002 9:33:30 AM
Sample Name	: AROCLOR 1260	Data Acquisition Time	: 4/10/2002 8:43:06 AM
Instrument Name	: GC07	Channel	: B
Rack/Vial	: 0/0	Operator	: manager
Sample Amount	: 1.000000	Dilution Factor	: 1.000000
Cycle	: 2		

Result File : C:\PEST\GC7\matrix spike\DILUTION002.rst
Sequence File : C:\PEST\GC7\matrix spike\DILUTION.seq



RESIDUE REPORT

ANALYSIS OF SAMPLES FOR POLYCHLORINATED BIPHENYLS

Component Name	Time [min]	Area [µV·s]
	10.82	3517.12
	11.31	2127.68
	22.28	19697.60
	22.97	5935.72
	23.20	44140.76
	24.30	5774.91
	24.60	10174.68
	24.70	21681.45
	25.18	105059.10
	25.36	53869.02
	25.66	139658.34
	26.10	12322.63
	26.37	37115.57
	26.61	329900.45
	27.14	167189.02
	27.49	28854.39

Σ area = 422499

$$R_f = \frac{2ng}{422499}$$

$$= 4.7337 \times 10^{-6}$$

4/10/2002 9:33:30 AM Result: C:\PEST\GC7\matrix spike\DILUTION002.rst

Component Name	Time [min]	Area [µV·s]
	27.72	258906.03
	28.03	53901.84
	28.36	227879.74
	28.56	122269.59
	28.81	17741.28
	28.98	35194.42
	29.28	160303.73
	29.50	104864.46
	29.68	72805.05
	29.91	19328.69
	30.07	30550.42
	30.33	444323.04
	30.82	21160.64
	31.52	180655.47
	31.84	111227.02
	32.07	130616.08
	32.72	2973.12
	33.48	38646.24
	34.47	85158.08
	36.65	18228.16
		3123751.52

Arsenic 12160

BLANK ANALYSIS
LABORATORY CONTROL SPIKE, MATRIX SPIKE AND DUPLICATE SUMMARY

BLANK ANALYSIS:

ANALYTE	RESULT (ppm)
Arochlor 1016	BDL
Arochlor 1221	BDL
Arochlor 1232	BDL
Arochlor 1242	BDL
Arochlor 1248	BDL
Arochlor 1254	BDL
Arochlor 1260	BDL

BDL indicates levels that are below the detection limit of the method utilized.

SPIKE ANALYSIS:

Laboratory Control Sample recovery: 89%

Matrix Spike Analysis (55571):

Sample Result (ppm)	0.1787
Spike Amount Added (ppm)	0.1000
Spiked Sample Result (ppm)	0.1211
Percent Recovery (%)	0
Relative Percent Difference of MS and LCS (%)	89

The initial analysis of the sample (55571) and matrix spike showed the matrix spike to have a lower result than the sample. This is attributed to the heterogeneity of the sample, sampling technique (grab vs. composite) and the high concentration of PCB's found in samples from same sampling event. On April 9, 2002 sample 55571 and a matrix spike on the same sample were extracted and the following results were found. The Environmental Division Laboratory Manager determined that the original data should be reported.

Matrix Spike Analysis (55571) re-extraction:

Sample Result (ppm)	6.0316
Spike Amount Added (ppm)	0.1000
Spiked Sample Result (ppm)	6.3235
Percent Recovery (%)	146
Relative Percent Difference of MS and LCS (%)	48.511

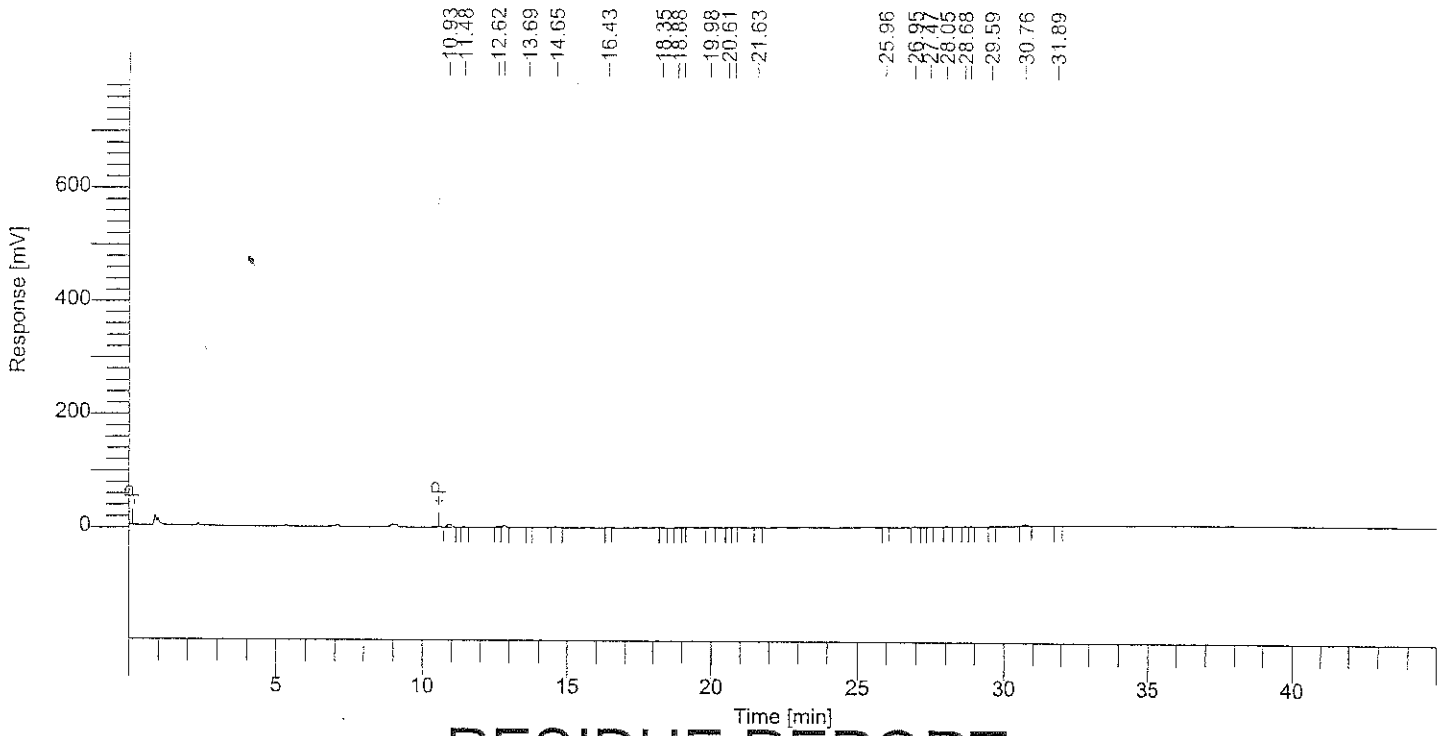
DUPLICATE ANALYSIS:

Sample Duplicate (55572):

Sample Result (ppm)	9.4557
Spiked Sample Result (ppm)	10.9580
Relative Percent Difference of Sample and Duplicate (%)	14.719

Software Version	: 6.1.1.0.0:K20	Date	: 3/22/2002 8:01:06 AM
Sample Name	: REAGENT BLANK	Data Acquisition Time	: 3/21/2002 5:43:30 PM
Instrument Name	: GC07	Channel	: B
Rack/Vial	: 0/0	Operator	: manager
Sample Amount	: 50.000000	Dilution Factor	: 1.000000
Cycle	: 6		

Result File : C:\PEST\GC7\DATAECD\02032001_006.rst
Sequence File : C:\PEST\GC7\SEQUENCE\ECD\02032001.seq



RESIDUE REPORT

ANALYSIS OF SAMPLES FOR POLYCHLORINATED BIPHENYLS

Component Name	Time [min]	Area [µV·s]
	10.93	58068.64
	11.48	7203.20
	12.62	11754.43
	12.82	32419.97
	13.69	4493.28
	14.65	22958.72
	16.43	8500.80
	18.35	7318.08
	18.88	6845.12
	19.98	12941.28
	20.61	4241.92
	20.83	3065.92
	21.63	6421.60
	25.96	5420.64
	26.95	18288.48
	27.47	5438.40

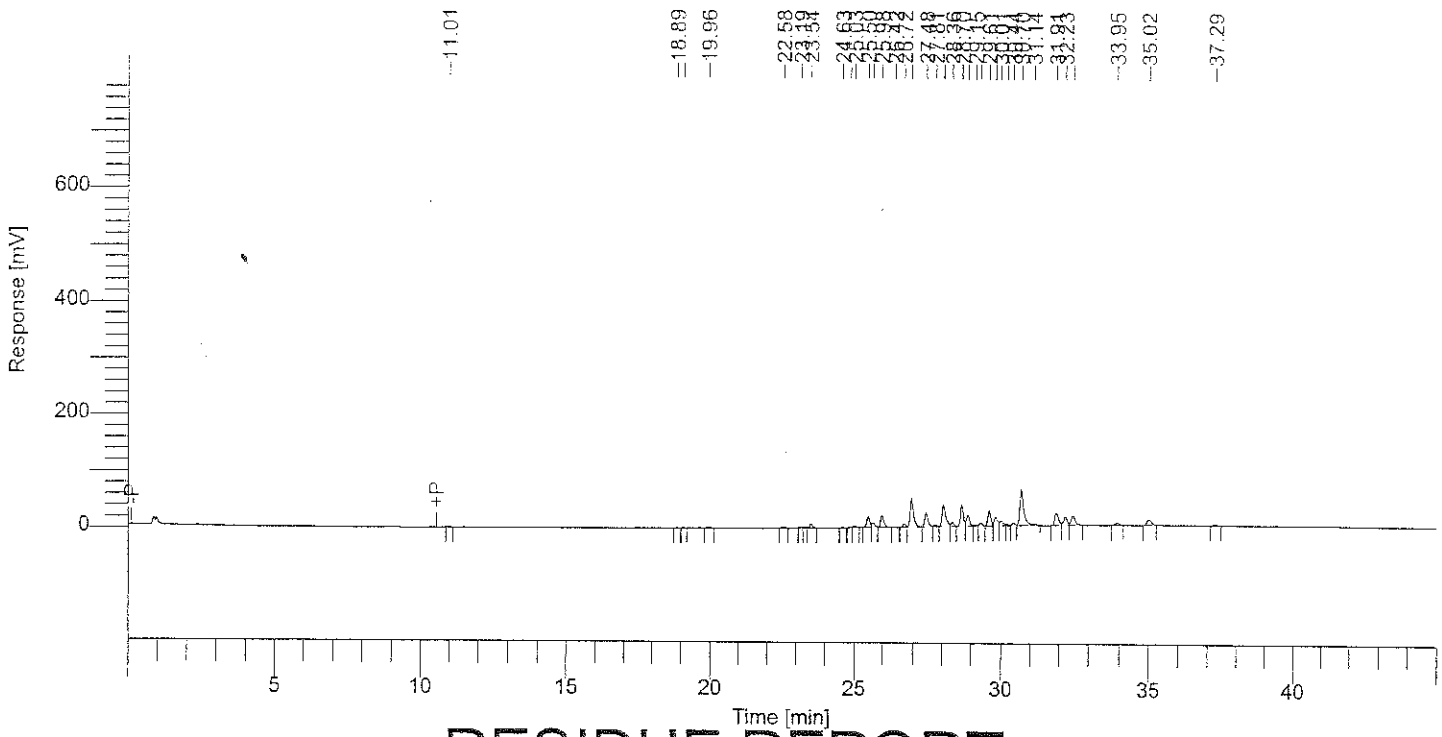
BDL

3/22/2002 8:01:06 AM Result: C:\PEST\GC7\DATAECD\02032001_006.rst

Component Name	Time [min]	Area [µV·s]
	28.05	15894.40
	28.68	8135.47
	28.89	4480.21
	29.59	5584.96
	30.76	41165.44
	31.89	7100.48
		297741.44

Software Version	: 6.1.1.0.0:K20	Date	: 3/22/2002 8:01:00 AM
Sample Name	: SPIKE (SLUDGE)	Data Acquisition Time	: 3/21/2002 4:50:56 PM
Instrument Name	: GC07	Channel	: B
Rack/Vial	: 0/0	Operator	: manager
Sample Amount	: 50.000000	Dilution Factor	: 1.000000
Cycle	: 5		

Result File : C:\PEST\GC7\DATAECD\02032001_005.rst
Sequence File : C:\PEST\GC7\SEQUENCE\ECD\02032001.seq



RESIDUE REPORT

ANALYSIS OF SAMPLES FOR POLYCHLORINATED BIPHENYLS

Component Name	Time [min]	Area [µV·s]
	11.01	7819.52
	18.89	5290.72
	19.10	3686.72
	19.96	15072.96
	22.58	19520.48
	23.19	3999.68
	23.54	50857.92
	24.63	6059.52
	24.88	10062.18
	25.03	21482.94
	25.50	133205.86
	25.68	60496.53
	25.98	169948.81
	26.42	9456.96
	26.72	41230.85
	26.97	422511.74

$\Sigma area = 493211.52$

$ng\ inj = (493211.52)(4.4914 \times 10^{-6})$

$= 2.2152$

$mg/kg = \frac{2.2152}{50} \times \frac{100}{50} \times \frac{2}{2} = 8.8608 \times 10$

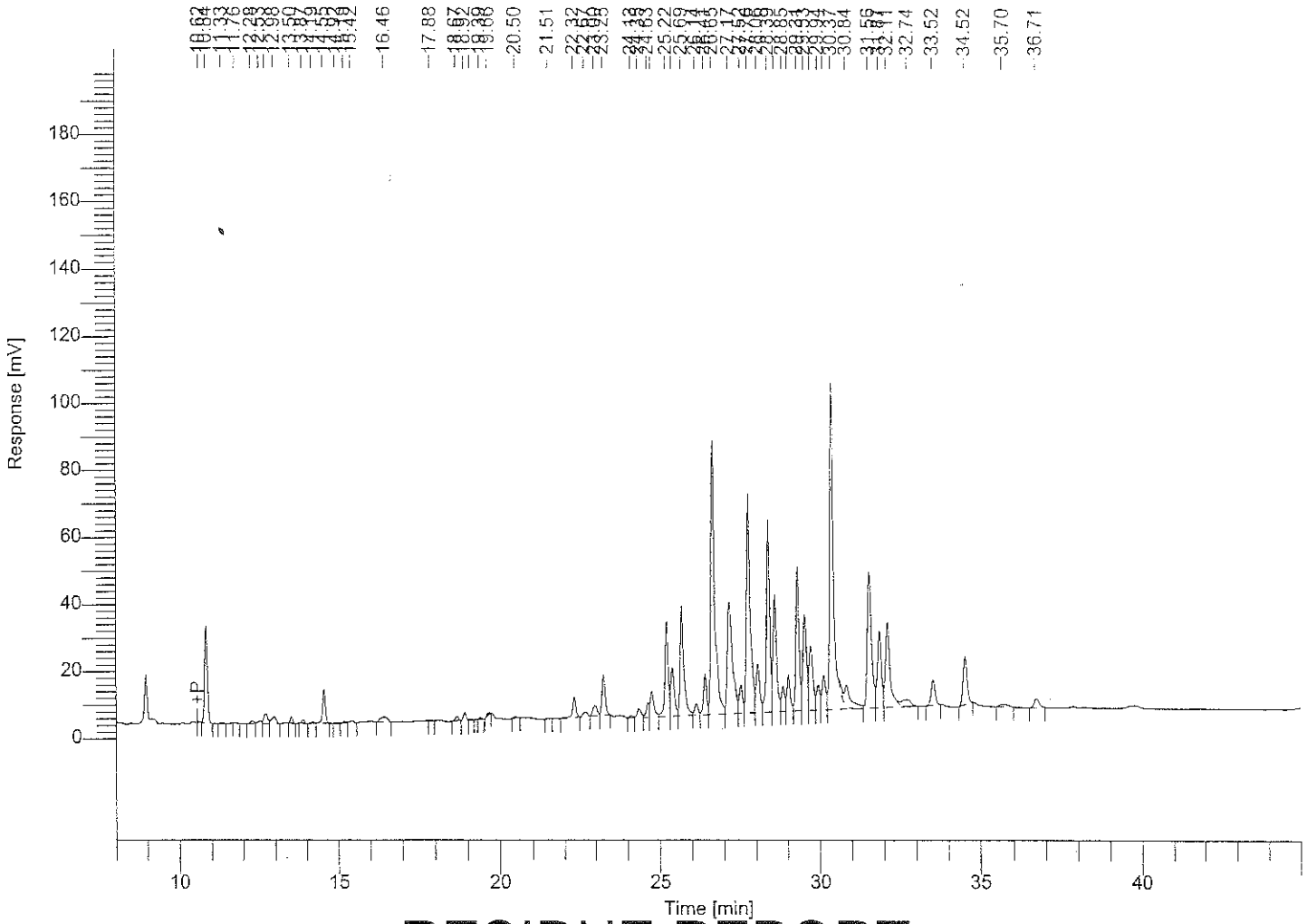
$\%Rec = \frac{0.0886}{0.1} \times 100 = 89$

3/22/2002 8:01:00 AM Result: C:\PEST\GC7\DATAECD\02032001_005.rst

Component Name	Time [min]	Area [µV·s]
	27.48	203118.69
	27.81	29455.39
	28.07	326233.16
	28.36	60973.17
	28.70	272806.53
	28.90	151086.83
	29.15	18597.77
	29.33	38622.69
	29.61	192154.21
	29.83	130233.50
	30.01	81459.69
	30.24	21810.07
	30.44	35212.46
	30.70	575005.57
	31.14	30563.52
	31.91	215850.73
	32.23	131524.80
	32.49	145835.99
	33.95	41596.00
	35.02	99103.36
	37.29	18278.72
		3800226.24

Software Version	: 6.1.1.0.0:K20	Date	: 3/25/2002 11:07:16 AM
Sample Name	: 55571 MS	Data Acquisition Time	: 3/24/2002 6:40:28 AM
Instrument Name	: GC07	Channel	: B
Rack/Vial	: 0/0	Operator	: manager
Sample Amount	: 50.000000	Dilution Factor	: 1.000000
Cycle	: 45		

Result File : C:\PEST\GC7\DATAECD\AROCHLOR_045.rst
Sequence File : C:\PEST\GC7\SEQUENCE\ECD\AROCHLOR ANALYSIS.seq



RESIDUE REPORT

ANALYSIS OF SAMPLES FOR POLYCHLORINATED BIPHENYLS

Component Name	Time [min]	Area [µV·s]
	10.84	172940
	11.33	3748
	11.76	2087
	12.28	8166
	12.53	7631
	12.71	25455
	12.98	20268

Σ area = 812326

Ng inj = (812326)(3.7262 x 10^-6)

= 3.0269

mg/kg = $\frac{3.0269}{50} \times \frac{100}{50} \times \frac{2}{2}$ = 0.1211

Matrix spike concentration is lower than the sample result due to not homogenizing the sample prior to weighing and matrix interference. SLP 3-26-2002

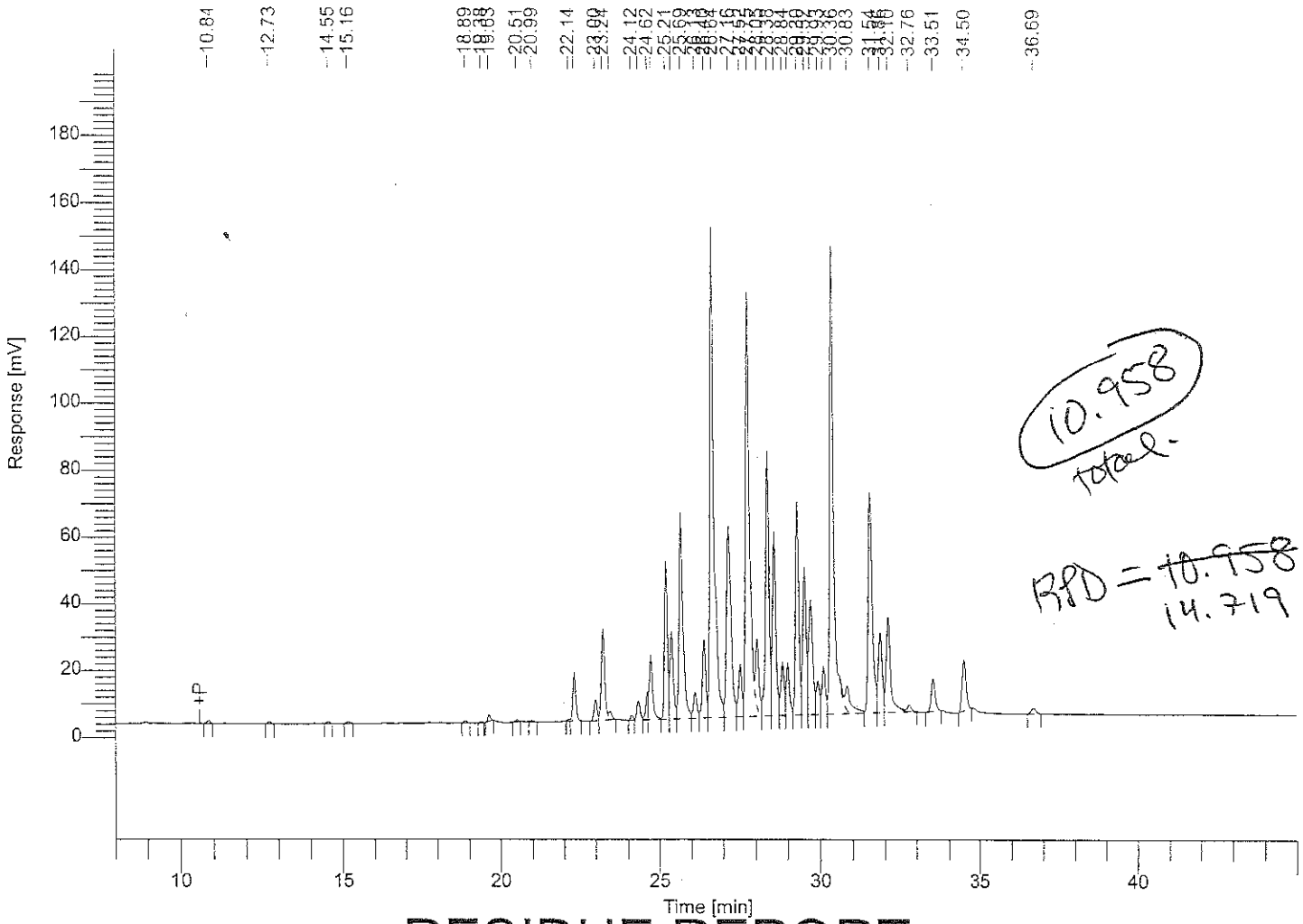
3/25/2002 11:07:16 AM Result: C:\PEST\GC7\DATAECD\AROCHLOR_045.rst

Component Name	Time [min]	Area [µV·s]
	13.50	10288
	13.87	7403
	14.19	4090
	14.55	65595
	15.19	4793
	15.42	6159
	16.46	23389
	17.88	2265
	18.67	10274
	18.92	13733
	19.10	2083
	19.39	3038
	19.66	4361
	20.50	3594
	21.51	2651
	22.32	49697
	22.67	14902
	23.00	30641
	23.25	82054
	24.13	5472
	24.35	22716
	24.63	25931
	24.74	63737
	25.22	210497
	25.39	117687
	25.69	273919
	26.14	27374
	26.41	84472
	26.65	693504
	27.17	366201
	27.52	61522
	27.76	571329
	28.06	116476
	28.39	414553
	28.59	262335
	28.85	57679
	29.02	83288
	29.31	298708
	29.53	214826
	29.71	173913
	29.94	57270
	30.11	82014
	30.37	875081
	30.84	106224
	31.56	366342
	31.87	191755
	32.11	254229
	32.74	42866
	33.52	65709
	34.52	131537
	35.70	13960
	36.71	27955
		6942386

Arochlor 1260

Software Version	: 6.1.1.0.0:K20	Date	: 3/25/2002 11:08:04 AM
Sample Name	: 55572 DUP 1:50	Data Acquisition Time	: 3/24/2002 1:41:23 PM
Instrument Name	: GC07	Channel	: B
Rack/Vial	: 0/0	Operator	: manager
Sample Amount	: 50.000000	Dilution Factor	: 50.000000
Cycle	: 53		

Result File : C:\PEST\GC7\DATAECD\AROCHLOR_053.rst
Sequence File : C:\PEST\GC7\SEQUENCE\ECD\AROCHLOR ANALYSIS.seq



RESIDUE REPORT

ANALYSIS OF SAMPLES FOR POLYCHLORINATED BIPHENYLS

Component Name	Time [min]	Area [µV·s]
	10.84	5851
	12.73	4566
	14.55	4150
	15.16	4801
	18.89	4409
	19.63	11571
	20.51	4194

Aroclor 1260

Area = 1077393

$m_{inj.} = (1077393)(3.7262 \times 10^{-6})$

$= 4.0146$

$mg/kg = \frac{4.0146}{50} \times \frac{100}{50} \times \frac{2}{2} \times 50 = 8.0292$

Aroclor 1254

Area = 63626

$m_{inj} = (63626)(2.3016 \times 10^{-5})$

$= 1.4644$

$mg/kg = \frac{1.4644}{50} \times \frac{2}{2} \times \frac{100}{50} \times 50 = 2.9288$

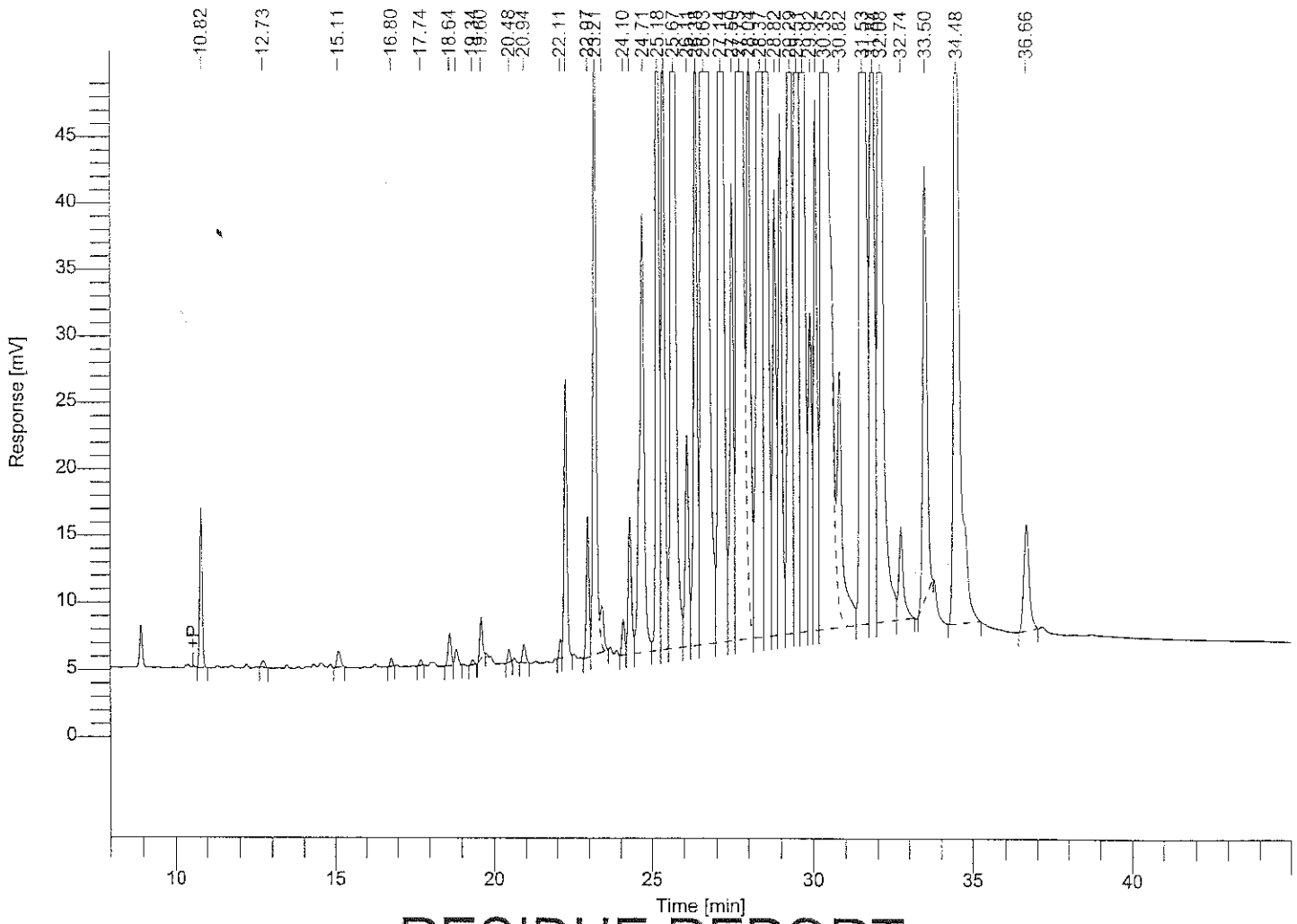
3/25/2002 11:08:04 AM Result: C:\PEST\GC7\DATAECD\AROCHLOR_053.rst

Component Name	Time [min]	Area [µV·s]
	20.99	3798
	22.14	3055
	22.31	98351
	23.00	43468
	23.24	198391
	23.45	14187
	24.12	9418
	24.33	40021
	24.62	43636
	24.74	150896
	25.21	316818
	25.39	205051
	25.69	540186
	26.13	59070
	26.40	164572
	26.64	1280277
	27.16	546101
	27.52	122547
	27.75	1142688
	28.05	153110
	28.38	583751
	28.58	411698
	28.84	121855
	29.01	118724
	29.30	444411
	29.52	328840
	29.71	309773
	29.93	73746
	30.10	109456
	30.36	1202020
	30.83	108243
	31.54	586988
	31.86	205368
	32.10	285037
	32.76	20803
	33.51	83458
	34.50	138639
	36.69	17512
		10325505

Arochlor 1260

Software Version	: 6.1.1.0.0:K20	Date	: 4/10/2002 10:25:56 AM
Sample Name	: 55571 1:10	Data Acquisition Time	: 4/10/2002 9:35:39 AM
Instrument Name	: GC07	Channel	: B
Rack/Vial	: 0/0	Operator	: manager
Sample Amount	: 25.000000	Dilution Factor	: ~~1.000000~~ 10.0
Cycle	: 3		SB 4-12-2002

Result File : C:\PEST\GC7\matrix spike\DILUTION003.rst
Sequence File : C:\PEST\GC7\matrix spike\DILUTION.seq



RESIDUE REPORT

ANALYSIS OF SAMPLES FOR POLYCHLORINATED BIPHENYLS

Component Name	Time [min]	Area [µV·s]
	10.82	70084
	12.73	3552
	15.11	10032
	16.80	3604
	17.74	2549
	18.64	15339
	18.84	8258

Σ area = 3185422
ng inj = 15.0790

$$mg/kg = \frac{15.0790}{25} \times \frac{100}{100} \times \frac{2}{2} = 0.6032$$

$$0.6032 \times 10^{-\text{Dilution factor}} = 6.032$$

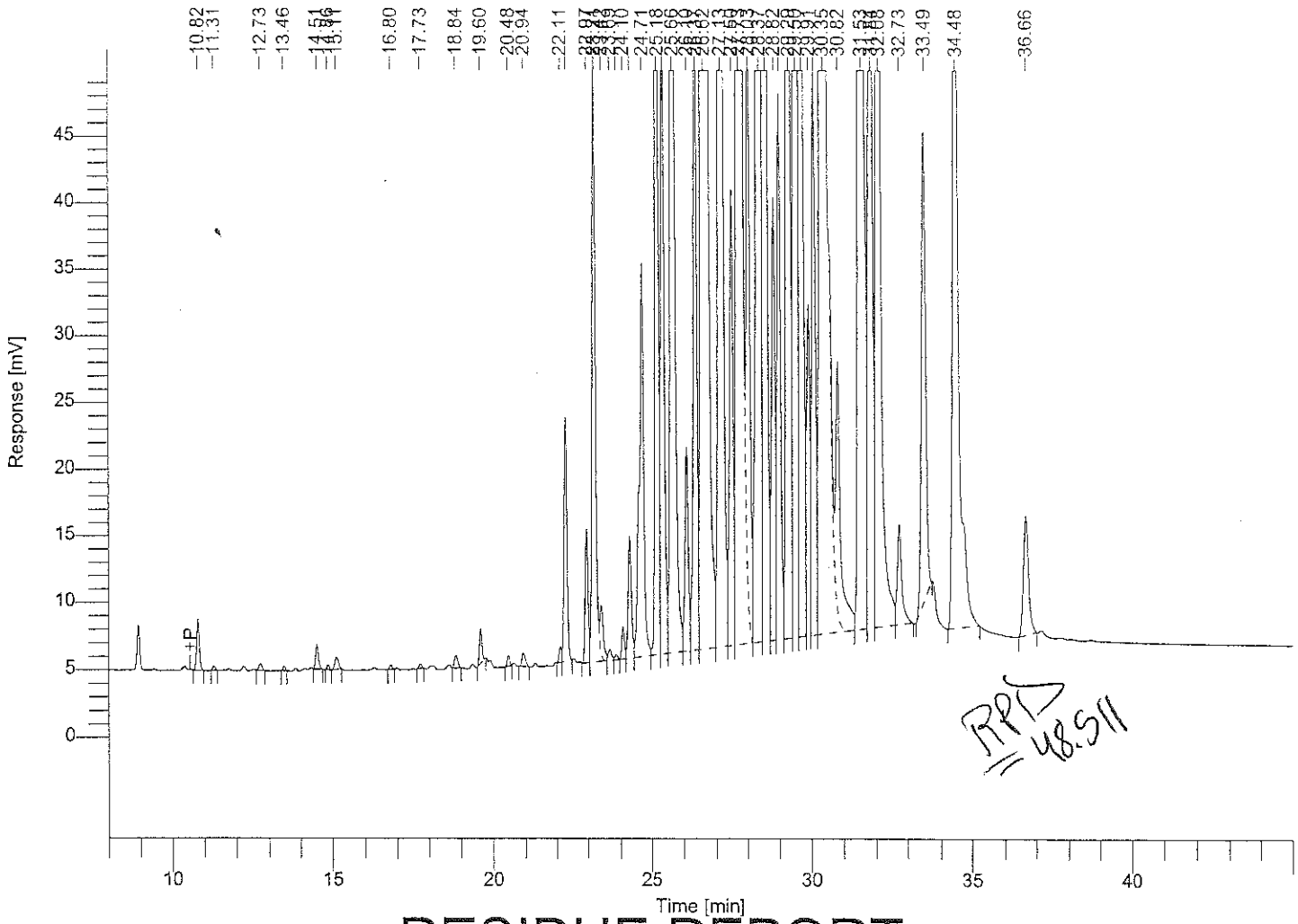
4/10/2002 10:25:56 AM Result: C:\PEST\GC7\matrix spike\DILUTION003.rst

Component Name	Time [min]	Area [µV·s]
	19.34	2489
	19.60	18006
	20.48	5484
	20.94	10370
	22.11	7670
	22.28	139366
	22.97	67880
	23.21	342200
	23.42	20605
	24.10	16793
	24.31	71409
	24.71	319252
	25.18	621170
	25.36	370946
	25.67	1008705
	26.11	119008
	26.38	365608
	26.63	2942346
	27.14	1189082
	27.50	254939
	27.73	2636165
	28.04	330660
	28.37	1446651
	28.56	993636
	28.82	251031
	28.99	295606
	29.29	1095377
	29.51	755071
	29.69	739593
	29.92	175227
	30.08	309011
	30.35	3647186
	30.82	221604
	31.53	1691629
	31.84	616154
	32.08	877639
	32.74	76036
	33.50	291109
	34.48	710928
	36.66	93688
		25260746

Aroclor 1260

Software Version	: 6.1.1.0.0:K20	Date	: 4/10/2002 12:11:00 PM
Sample Name	: 55571 ms 1:10	Data Acquisition Time	: 4/10/2002 11:20:42 AM
Instrument Name	: GC07	Channel	: B
Rack/Vial	: 0/0	Operator	: manager
Sample Amount	: 25.000000	Dilution Factor	: ~~1.000000~~ 10.0
Cycle	: 5		

Result File : C:\PEST\GC7\matrix spike\DILUTION005.rst
Sequence File : C:\PEST\GC7\matrix spike\DILUTION.seq



RESIDUE REPORT

ANALYSIS OF SAMPLES FOR POLYCHLORINATED BIPHENYLS

Component Name	Time [min]	Area [µV·s]
	10.82	23121
	12.73	3688
	14.51	11306
	15.11	7098
	18.84	6934
	19.60	14650
	20.48	4432

Σ area = 3339566

ng/inj = (3339566)(4.7337 x 10^{-6})

= 15.8086

mg/kg = $\frac{15.8086}{25} \times \frac{100}{100} \times \frac{3}{2} \times 10 = 6.3235$

$\frac{(6.3235 - 6.032)}{0.2} \times 100 = 146\%$

4/10/2002 12:11:00 PM Result: C:\PEST\GC7\matrix spike\DILUTION005.rst

Component Name	Time [min]	Area [µV·s]
	20.94	7585
	22.11	6300
	22.28	121911
	22.97	64763
	23.21	310380
	23.42	27625
	23.69	6191
	23.88	2448
	24.10	14762
	24.31	63278
	24.71	287097
	25.18	589775
	25.36	349274
	25.66	944779
	26.10	112950
	26.37	372292
	26.62	2896317
	27.13	1180525
	27.50	252651
	27.73	2589461
	28.03	335219
	28.37	1503439
	28.56	1020879
	28.82	246075
	28.99	304614
	29.29	1118584
	29.50	775825
	29.69	753611
	29.91	180901
	30.08	322140
	30.35	3823251
	30.82	219704
	31.53	1766993
	31.84	650848
	32.08	921725
	32.73	79784
	33.49	312723
	34.48	760544
	36.66	104556
		25473006

ENVIRONMENTAL MONITORING AND TECHNOLOGIES, INC.

8100 North Austin Avenue
Morton Grove, Illinois 60053-3203
Tel: 847-967-6666
Fax: 847-967-6735
www.emt.com

Darren Greving
Huff & Huff
512 W. Burlington Street, Suite 100
LaGrange, IL 60525

July 29, 2002

RE: Soil Analysis

Lab Orders:
02070504

Dear Darren Greving:

Enclosed are the analytical reports for the EMT Lab Order listed. If you have any questions, please contact me at 847-967-6666.

Sincerely,

Megan Jensen

Megan Jensen
Project Manager

Approved by,

Greg Denny

Greg Denny
Operations Manager

The Contents of this report apply to the sample(s) analyzed. No duplication is allowed except in its entirety.

State of Illinois Chemical Analysis in Drinking Water Accredited Lab. No. 100256
State of Wisconsin Wastewater and Hazardous Waste No. 999888690

ENVIRONMENTAL MONITORING AND TECHNOLOGIES, INC.

8100 North Austin Avenue
Morton Grove, Illinois 60053-3203
Tel: 847-967-6666
Fax: 847-967-6735
www.emt.com

CLIENT: Huff & Huff
Project: Soil Analysis
Lab Order: 02070504

Date: 29-Jul-02

CASE NARRATIVE

Samples were analyzed using the methods outlined in the following references:

Unless otherwise noted, samples were analyzed using "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW846, 3rd Edition"

Unless otherwise noted, all method blanks, laboratory spikes, and/or matrix spikes met quality assurance objectives.

Analytical Comments for METHOD 8082_SXPPM, 02070504-02A: Surrogate recovery was above the laboratory acceptance range due to matrix effects.

ENVIRONMENTAL MONITORING AND TECHNOLOGIES, INC.

8100 North Austin Avenue
Morton Grove, Illinois 60053-3203
Tel: 847-967-6666
Fax: 847-967-6735
www.emt.com

Report of Laboratory Analysis

CLIENT:	Huff & Huff	**Client Sample ID:**	NORTH WALL
Lab Order:	02070504	**Report Date:**	7/29/02
Project:	Soil Analysis	**Collection Date:**	7/16/02
Lab ID:	02070504-01	**Matrix:**	Soil

Analyses	Result	EMT Reporting Limit	Units	Date Analyzed	Analyst
Polychlorinated biphenyls (PCBs)		**Method: SW8082**			
Aroclor 1016	< 0.0562	0.0562	mg/Kg	7/23/02 5:08:00 PM	IP
Aroclor 1221	< 0.0477	0.0477	mg/Kg	7/23/02 5:08:00 PM	IP
Aroclor 1232	< 0.0566	0.0566	mg/Kg	7/23/02 5:08:00 PM	IP
Aroclor 1242	< 0.0562	0.0562	mg/Kg	7/23/02 5:08:00 PM	IP
Aroclor 1248	< 0.0477	0.0477	mg/Kg	7/23/02 5:08:00 PM	IP
Aroclor 1254	< 0.0477	0.0477	mg/Kg	7/23/02 5:08:00 PM	IP
Aroclor 1260	0.316	0.0324	mg/Kg	7/23/02 5:08:00 PM	IP
Surrogates:					
2,3,4,4',5,6-Hexachlorobiphenyl	91.6	79-143	%REC	7/23/02 5:08:00 PM	IP
3,5-Dichlorobiphenyl	89.4	74-133	%REC	7/23/02 5:08:00 PM	IP

Qualifiers:

B - Analyte detected in the associated Method Blank
E - Estimated
H - Holding Time Exceeded
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
J - Analyte detected below quanititation limits

ENVIRONMENTAL MONITORING AND TECHNOLOGIES, INC.

8100 North Austin Avenue
Morton Grove, Illinois 60053-3203
Tel: 847-967-6666
Fax: 847-967-6735
www.emt.com

Report of Laboratory Analysis

CLIENT:	Huff & Huff	Client Sample ID:	EAST WALL
Lab Order:	02070504	Report Date:	7/29/02
Project:	Soil Analysis	Collection Date:	7/16/02
Lab ID:	02070504-02	Matrix:	Soil

Analyses	Result	EMT Reporting Limit		Units	Date Analyzed	Analyst
Polychlorinated biphenyls (PCBs)		**Method: SW8082**				
Aroclor 1016	< 0.113	0.113		mg/Kg	7/23/02 6:05:00 PM	IP
Aroclor 1221	< 0.096	0.096		mg/Kg	7/23/02 6:05:00 PM	IP
Aroclor 1232	< 0.114	0.114		mg/Kg	7/23/02 6:05:00 PM	IP
Aroclor 1242	< 0.113	0.113		mg/Kg	7/23/02 6:05:00 PM	IP
Aroclor 1248	< 0.096	0.096		mg/Kg	7/23/02 6:05:00 PM	IP
Aroclor 1254	< 0.096	0.096		mg/Kg	7/23/02 6:05:00 PM	IP
Aroclor 1260	1.64	0.0653		mg/Kg	7/23/02 6:05:00 PM	IP
Surrogates:						
2,3,4,4',5,6-Hexachlorobiphenyl	85.2	79-143		%REC	7/23/02 6:05:00 PM	IP
3,5-Dichlorobiphenyl	66.1	74-133	S	%REC	7/23/02 6:05:00 PM	IP

Qualifiers:

B - Analyte detected in the associated Method Blank
E - Estimated
H - Holding Time Exceeded
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
J - Analyte detected below quanititation limits

ENVIRONMENTAL MONITORING AND TECHNOLOGIES, INC.

8100 North Austin Avenue
Morton Grove, Illinois 60053-3203
Tel: 847-967-6666
Fax: 847-967-6735
www.emt.com

Report of Laboratory Analysis

CLIENT: Huff & Huff
Lab Order: 02070504
Project: Soil Analysis
Lab ID: 02070504-03

Client Sample ID: WEST WALL
Report Date: 7/29/02
Collection Date: 7/16/02
Matrix: Soil

Analyses	Result	EMT Reporting Limit	Units	Date Analyzed	Analyst
Polychlorinated biphenyls (PCBs)		**Method: SW8082**			
Aroclor 1016	< 0.114	0.114	mg/Kg	7/24/02 4:13:00 AM	IP
Aroclor 1221	< 0.097	0.097	mg/Kg	7/24/02 4:13:00 AM	IP
Aroclor 1232	< 0.115	0.115	mg/Kg	7/24/02 4:13:00 AM	IP
Aroclor 1242	< 0.114	0.114	mg/Kg	7/24/02 4:13:00 AM	IP
Aroclor 1248	< 0.097	0.097	mg/Kg	7/24/02 4:13:00 AM	IP
Aroclor 1254	< 0.097	0.097	mg/Kg	7/24/02 4:13:00 AM	IP
Aroclor 1260	4.16	0.066	mg/Kg	7/24/02 4:13:00 AM	IP
Surrogates:					
2,3,4,4',5,6-Hexachlorobiphenyl	112	79-143	%REC	7/24/02 4:13:00 AM	IP
3,5-Dichlorobiphenyl	75.7	74-133	%REC	7/24/02 4:13:00 AM	IP

Qualifiers:

B - Analyte detected in the associated Method Blank
E - Estimated
H - Holding Time Exceeded
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
J - Analyte detected below quanititation limits

ENVIRONMENTAL MONITORING AND TECHNOLOGIES, INC.

8100 North Austin Avenue
Morton Grove, Illinois 60053-3203
Tel: 847-967-6666
Fax: 847-967-6735
www.emt.com

Report of Laboratory Analysis

CLIENT: Huff & Huff
Lab Order: 02070504
Project: Soil Analysis
Lab ID: 02070504-04

Client Sample ID: FLOOR EAST
Report Date: 7/29/02
Collection Date: 7/16/02
Matrix: Soil

Analyses	Result	EMT Reporting Limit	Units	Date Analyzed	Analyst
Polychlorinated biphenyls (PCBs)		**Method: SW8082**			
Aroclor 1016	< 0.11	0.11	mg/Kg	7/24/02 5:14:00 AM	IP
Aroclor 1221	< 0.0935	0.0935	mg/Kg	7/24/02 5:14:00 AM	IP
Aroclor 1232	< 0.111	0.111	mg/Kg	7/24/02 5:14:00 AM	IP
Aroclor 1242	< 0.11	0.11	mg/Kg	7/24/02 5:14:00 AM	IP
Aroclor 1248	< 0.0935	0.0935	mg/Kg	7/24/02 5:14:00 AM	IP
Aroclor 1254	< 0.0935	0.0935	mg/Kg	7/24/02 5:14:00 AM	IP
Aroclor 1260	< 0.0636	0.0636	mg/Kg	7/24/02 5:14:00 AM	IP
Surrogates:					
2,3,4,4',5,6-Hexachlorobiphenyl	90.0	79-143	%REC	7/24/02 5:14:00 AM	IP
3,5-Dichlorobiphenyl	74.9	74-133	%REC	7/24/02 5:14:00 AM	IP

Qualifiers:

B - Analyte detected in the associated Method Blank
E - Estimated
H - Holding Time Exceeded
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
J - Analyte detected below quanititation limits

ENVIRONMENTAL MONITORING AND TECHNOLOGIES, INC.

8100 North Austin Avenue
Morton Grove, Illinois 60053-3203
Tel: 847-967-6666
Fax: 847-967-6735
www.emt.com

Report of Laboratory Analysis

CLIENT: Huff & Huff
Lab Order: 02070504
Project: Soil Analysis
Lab ID: 02070504-05

Client Sample ID: FLOOR EAST DUP
Report Date: 7/29/02
Collection Date: 7/16/02
Matrix: Soil

Analyses	Result	EMT Reporting Limit	Units	Date Analyzed	Analyst
Polychlorinated biphenyls (PCBs)		**Method:**	**SW8082**		
Aroclor 1016	< 0.118	0.118	mg/Kg	7/24/02 6:14:00 AM	IP
Aroclor 1221	< 0.1	0.1	mg/Kg	7/24/02 6:14:00 AM	IP
Aroclor 1232	< 0.119	0.119	mg/Kg	7/24/02 6:14:00 AM	IP
Aroclor 1242	< 0.118	0.118	mg/Kg	7/24/02 6:14:00 AM	IP
Aroclor 1248	< 0.1	0.1	mg/Kg	7/24/02 6:14:00 AM	IP
Aroclor 1254	< 0.1	0.1	mg/Kg	7/24/02 6:14:00 AM	IP
Aroclor 1260	< 0.068	0.068	mg/Kg	7/24/02 6:14:00 AM	IP
Surrogates:					
2,3,4,4',5,6-Hexachlorobiphenyl	130	79-143	%REC	7/24/02 6:14:00 AM	IP
3,5-Dichlorobiphenyl	110	74-133	%REC	7/24/02 6:14:00 AM	IP

Qualifiers:
B - Analyte detected in the associated Method Blank
E - Estimated
H - Holding Time Exceeded
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
J - Analyte detected below quanititation limits

ENVIRONMENTAL MONITORING AND TECHNOLOGIES, INC.

8100 North Austin Avenue
Morton Grove, Illinois 60053-3203
847-967-6666
FAX: 847-967-6735
www.emt.com

Chain of Custody Record

TURNARAOUND TIME:
☐ RUSH ____ day turnaround
☒ ROUTINE

Due Date: ____-____-____ COC #: 117098

Company: HUFF & HUFF, INC.
Address: 512 W. BURLINGTON AVE. SUITE 100 LA GRANGE, IL 60525
Phone #: (708) 579-5940 Fax #: (708) 579-3526
P.O. #: Proj. #:
Client Contact: DARREN GREENING
Project ID / Location:

Sample Type:
1. Waste Water 4. Sludge 7. Groundwater (filtered)
2. Drinking Water 5. Oil 8. Other
3. Soil 6. Groundwater

Container Type:
P - Plastic V - VOC Vial O - Other
G - Glass B - Tedlar Bag

Preservative:
1. None 4. NaOH 7. Zn Ace
2. H_2SO_4 5. HCl 8. Other
3. HNO_3 6. MeOH

Analyses

Sample I.D.	Sample Type	Container Size	Container Type	Container No.	Sampling By	Sampling Date	Sampling Time	pH	Temp.	Preservation Field	Preservation Lab	PCB's	EMT USE ONLY EMT WORKORDER #02070504
NORTH WALL	3	4oz	G	1		7/16						X	01A
EAST WALL	3	4oz	G	1		7/16						X	02A
WEST WALL	3	4oz	G	1		7/16						X	03A
FLOOR EAST	3	4oz	G	1		7/16						X	04A
FLOOR EAST DUP.	3	4oz	G	1		7/16						X	05A

Relinquished By:	Date:	Time:	Received By:	Date:	Time:
Darren Greening	7-19-02	8:30AM	[illegible]	7-19-02	08:25
Relinquished By:	Date:	Time:	Received By:	Date:	Time:
	- -	:		- -	:
Relinquished By:	Date:	Time:	Received For Lab By:	Date:	Time:
[illegible]	7-19-02	09:45	[illegible]	7-19-02	10:00

EMT USE ONLY
Client Code:
EMT Project ID:
Work Order No.

☒ SAMPLE RECEIVED ON ICE
☒ TEMPERATURE (°C/°F) (Required if sampling on greater than 3 hrs. prior to sample receipt)
5°C
☒ SAMPLE RETURN WITH WORKORDER PACK

SPECIAL INSTRUCTIONS:

Tyco Kunkle 7/18/02
Looking at west wall of excavation/concrete pad

Tyco Kunkle 7/18/02
Looking at east wall of excavation/electrical room

Tyco Kunkle 7/18/02
Looking NE at area of excavation

Tyco Kunkle 7/18/02
Looking NW at area of excavation

LOOKING EAST AT THE AREA OF EXCAVATION

PIPING REMOVED FROM AREA OF EXCAVATION

LOOKING AT THE EAST SIDE OF THE EXCAVATION

LOOKING AT THE WEST SIDE OF THE EXCAVATION

FORMER KUNKLE FOUNDRY
MARCH 20, 2002
ANDREWS, INDIANA

CADFILE: KUNK-1