

United States Army
Fort Monmouth, New Jersey

**Underground Storage Tank
Closure and Site Investigation
Report**

Building 2044
Charles Wood

NJDEP UST Registration Nos. 192486-24, 32, 33
NJDEP Closure Approval Nos. C-93-3186, C-93-3885,
C-93-3886

May 2000

Volume 2 of 3

APPENDIX G

GROUNDWATER ANALYTICAL DATA PACKAGE



TOTAL ANALYTICAL SERVICES FOR A SAFE ENVIRONMENT

nytest environmental inc.

Project No.: 9421415
Log in No. : 22521L
P.O. No. : Pending
Date : 2/21/95
SDG No. : Army 2
NJDEPR Case #: 93-6-28-1009-35

ANALYTICAL DATA REPORT
PACKAGE FOR

Aguilar Associates

30 Freneau Avenue

Hatawan, NJ 07747

ATTN: Darryl Schmitt

REF: US Army Fort Monmouth, Well# and NJDEPR Reg# 1- 2930970, 2-2930971, 3-2930972
Sample Location Bldg. 2044

LABORATORY NUMBER	SAMPLE IDENTIFICATION	TYPE OF SAMPLE
----------------------	--------------------------	-------------------

SEE NEXT PAGE

WE CERTIFY THAT THIS REPORT IS A
TRUE REPORT OF RESULTS OBTAINED
FROM OUR TESTS OF THIS MATERIAL.

RESPECTFULLY SUBMITTED,
NYTEST ENVIRONMENTAL INC.

NYS Lab ID. #10195
NJ Cert. #73469

REMO GIGANTE
EXEC. VICE PRESIDENT

Report on sample(s) furnished by client applies to sample(s). Report on sample(s) obtained by us applies only to lot sampled. Information contained herein is not to be used for reproduction except by special permission. Sample(s) will be retained for thirty days maximum after date of report unless specifically requested otherwise by client. In the event that there are portions or parts of sample(s) remaining after Nytest has completed the required tests, Nytest shall have the option of returning such sample(s) to the client at the client's expense.

NYTEST ENVIRONMENTAL Inc.

LABORATORY NUMBER	SAMPLE IDENTIFICATION	WELL #	TYPE OF SAMPLE
2252119	2044-1	1-2930970	Water
2252120	2044-2	2-2930971	Water
2252121	2044-3	3-2930972	Water
2252122	2044-FB	-	Water
2252123	2044-DUP	-	Water
2252124	2044TB	-	Water

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BLDG.#: 2044 MW#: 1 NJDEPE WELL ID # 2930970

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATASHEET

DATE: 11/10/94

IJO#94-0843 C

SAMPLING CONTRACTOR: Aguilar Associates Inc.

LABORATORY: NYTEST Environmental Inc. CERT #: 73469

SAMPLERS NAMES: C. Aguilar, D. Schmitt, S. Panizzi, V. Prillwitz

WEATHER CONDITIONS: 50°F windy

ELEVATION OF CASING SURVEY MARK: 35.06

TOTAL DEPTH OF WELL FROM TOP OF SURVEYORS MARK: 18.23 FT

DEPTH FROM SURVEYORS MARK TO SCREEN: 2.0 FT

LENGTH OF SCREENED SECTION: 13 FT.

DEPTH TO WATER PRIOR TO PURGING AND SAMPLING: 5.22 FT

ELEVATION OF GW PRIOR TO PURGING: 29.84 FT

THICKNESS OF LNAPL PRIOR TO PURGING : - FT

PID/Hnu READING IMMEDIATELY AFTER THE WELL CAP IS

REMOVED: 1 PPM

pH: 6.33 TEMP: 13 C, SPECIFIC CONDUCTIVITY: 500 μ S

DEPTH OF WELL: 18.23 FT D.O. - 4.9

HEIGHT OF WATER: 13.01 FT

EVACUATED GAL. H2O: 25 GAL (13.01 X .65 X 3 = 25.37)

PURGING START TIME: 11:10 END TIME: 11:58

PURGE METHOD: REDI-FLOW 2 INCH SUBMERSIBLE PUMP VARIABLE

FLOW RATE OF <0.5 GPM TO >5.0 GPM

PURGE RATE (<0.5 GPM): 0.5 GPM

TOTAL VOLUME PURGED: 25 GAL.

DEPTH TO WATER AFTER PURGING AND BEFORE

SAMPLING: 5.11 FT

DISSOLVED OXYGEN: 4.8 pH: 6.23 TEMP: 13 °C

SPECIFIC CONDUCTIVITY: 440 μ S

SAMPLING METHOD: DEDICATED, DECONTAMINATED (IAW NJDEP
FSPM 1992) TEFLON® BAILER

START TIME OF SAMPLING: 12:50 END TIME: 1:02

DISSOLVED OXYGEN: 5.0 pH: 6.31 TEMP: 13 °C

SPECIFIC CONDUCTIVITY: 440 μ S

COMMENTS: _____

BLDG.#: 2044 MW#: 2 NJDEPE WELL ID # 2930971

U.S. ARMY FORT MONMOUTH

MONITORING WELL SAMPLING DATASHEET

DATE: 11/10/94

IJO#94-0843 C

SAMPLING CONTRACTOR: Aguilar Associates Inc.

LABORATORY: NYTEST Environmental Inc. CERT #: 73469

SAMPLERS NAMES: C. Aguilar, D. Schmitt, S. Panizzi, W. Prillwitz

WEATHER CONDITIONS: 50°F windy

ELEVATION OF CASING SURVEY MARK: 35.05

TOTAL DEPTH OF WELL FROM TOP OF SURVEYORS MARK: 16.21 FT

DEPTH FROM SURVEYORS MARK TO SCREEN: 2.0 FT

LENGTH OF SCREENED SECTION: 13 FT.

DEPTH TO WATER PRIOR TO PURGING AND SAMPLING: 4.97 FT

ELEVATION OF GW PRIOR TO PURGING: 30.08 FT

THICKNESS OF LNAPL PRIOR TO PURGING: — FT

PID/Hnu READING IMMEDIATELY AFTER THE WELL CAP IS

REMOVED: 0.5 PPM

pH: 4.95 TEMP: 13 C, SPECIFIC CONDUCTIVITY: 270 μ S

DEPTH OF WELL: 16.21 FT D.O. - 4.8

HEIGHT OF WATER: 13.24 FT

EVACUATED GAL. H2O: 26 GAL (X .65 X =)

PURGING START TIME: 10:55 END TIME: 11:43

PURGE METHOD: REDI-FLOW 2 INCH SUBMERSIBLE PUMP VARIABLE

FLOW RATE OF <0.5 GPM TO >5.0 GPM

PURGE RATE (<0.5 GPM): 0.5 GPM

TOTAL VOLUME PURGED: 26 GAL.

DEPTH TO WATER AFTER PURGING AND BEFORE

SAMPLING: 5.44 FT

DISSOLVED OXYGEN: 4.9 pH: 5.28 TEMP: 15 °C

SPECIFIC CONDUCTIVITY: 240 μ S

SAMPLING METHOD: DEDICATED, DECONTAMINATED (IAW NJDEP

FSPM 1992) TEFLON® BAILER

START TIME OF SAMPLING: 12:11 END TIME: 12:29

DISSOLVED OXYGEN: 4.9 pH: 5.14 TEMP: 13 °C

SPECIFIC CONDUCTIVITY: 260 μ S

COMMENTS: Duplicate done on MW-2

BLDG.#: 2044 MW#: 3 NJDEPE WELL ID # 2930972

U.S. ARMY FORT MONMOUTH

MONITORING WELL SAMPLING DATASHEET

DATE: 11/10/94

IJO#94-0843 C

SAMPLING CONTRACTOR: Aguilar Associates Inc.

LABORATORY: NYTEST Environmental Inc. CERT #: 73469

SAMPLERS NAMES: C. Aguilar, D. Schmitt, S. Panizzi, V. Hillwitz

WEATHER CONDITIONS: 50°F windy

ELEVATION OF CASING SURVEY MARK: 36.34

TOTAL DEPTH OF WELL FROM TOP OF SURVEYORS MARK: 18.23 FT

DEPTH FROM SURVEYORS MARK TO SCREEN: 2.0 FT

LENGTH OF SCREENED SECTION: 13 FT.

DEPTH TO WATER PRIOR TO PURGING AND SAMPLING: 5.99 FT

ELEVATION OF GW PRIOR TO PURGING: 30.35 FT

THICKNESS OF LNAPL PRIOR TO PURGING: - FT

PID/Hnu READING IMMEDIATELY AFTER THE WELL CAP IS

REMOVED: 0 PPM

pH: 5.18 TEMP: 13 C, SPECIFIC CONDUCTIVITY: 220 μ S

DEPTH OF WELL: 18.23 FT D.O. - 5.7

HEIGHT OF WATER: 12.24 FT

EVACUATED GAL. H2O: 24 GAL (X .65 X =)

PURGING START TIME: 10:55 END TIME: 11:43

PURGE METHOD: REDI-FLOW 2 INCH SUBMERSIBLE PUMP VARIABLE

FLOW RATE OF <0.5 GPM TO >5.0 GPM

PURGE RATE (<0.5 GPM): 0.5 GPM

TOTAL VOLUME PURGED: 24 GAL.

DEPTH TO WATER AFTER PURGING AND BEFORE

SAMPLING: 6.19 FT

DISSOLVED OXYGEN: 5.3 pH: 4.96 TEMP: 13 °C

SPECIFIC CONDUCTIVITY: 270 μ S

SAMPLING METHOD: DEDICATED, DECONTAMINATED (IAW NJDEP

FSPM 1992) TEFLON® BAILER

START TIME OF SAMPLING: 11:55 END TIME: 12:08

DISSOLVED OXYGEN: 5.5 pH: 5.36 TEMP: 13 °C

SPECIFIC CONDUCTIVITY: 210 μ S

COMMENTS: Field Blank done before MW-3

U.S. ARMY FORT MONMOUTH

P.O. #: Aguilar/94-0843

Chain of Custody

Project #: <u>93-6-28-109-35</u>		Sampler: <u>D. Schmitt</u>		Date / Time <u>11/10/94 1300</u>		Analysis Parameters				Start:	
Customer: <u>C. Appleby</u> <u>SELEM-pw-EU</u>		Site Name: <u>Bldg 3044</u> <u>DECAR # - 93-6-28-109-35</u>				<div style="display: flex; justify-content: space-around;"> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">604+15, xlines TAA, M78E</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">Total lead</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">Pesticides</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">Herbicides</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">Hnu</div> </div>				Finish:	
Phone: (908) <u>2-532-6224</u>		MW Sampling									
Lab Sample ID Number	Date/Time	Customer Sample Location/ID Number	Sample Matrix	# of Bottles	604+15, xlines TAA, M78E	Total lead	Pesticides	Herbicides	Hnu	Remarks	
<u>1727.1</u>	<u>11/10/94 12:50</u>	<u>MW-1, 2130970</u>	<u>AQ</u>	<u>7</u>	<u>2</u>	<u>1</u>	<u>2</u>	<u>2</u>	<u>1</u>	<u>Sample kept - 4°C HNO₃ for Pb</u>	
<u>.2</u>	<u>12:11</u>	<u>MW-2, 2130971</u>	<u>AQ</u>	<u>7</u>	<u>2</u>	<u>1</u>	<u>2</u>	<u>2</u>	<u>0.5</u>	<u>HCL for VOA</u>	
<u>.3</u>	<u>11:55</u>	<u>MW-3, 2130972</u>	<u>AQ</u>	<u>7</u>	<u>2</u>	<u>1</u>	<u>2</u>	<u>2</u>	<u>0</u>		
<u>.4</u>	<u>11:50</u>	<u>Field Blank</u>	<u>↓</u>	<u>7</u>	<u>2</u>	<u>1</u>	<u>2</u>	<u>2</u>			
<u>.5</u>	<u>11/10/94</u>	<u>Trip Blank</u>	<u>↓</u>	<u>2</u>	<u>2</u>	<u>-</u>	<u>-</u>	<u>-</u>			
<u>.6</u>	<u>11/10/94 12:30</u>	<u>Duplicate</u>	<u>↓</u>	<u>7</u>	<u>2</u>	<u>1</u>	<u>2</u>	<u>2</u>		<u>Hnu SN 821147</u> <u>Hnu = 10-1</u>	
										<u>calibrated 11/10/94</u>	
Relinquished By (signature) <u>Daniel W. Schmitt</u>		Date / Time <u>11/10/94 1430</u>		Received By (signature) <u>B. M. K.</u>		Shipped By:					
Relinquished By (signature) <u>B. M. K.</u>		Date / Time <u>11/10/94 1530</u>		Received for Lab by (signature): <u>for Staff</u>				Date / Time <u>11/10 3:30</u>			
Note: A drawing depicting sample location should be attached or drawn on the reverse side of this chain of custody.											



TOTAL ANALYTICAL SERVICES FOR A SAFE ENVIRONMENT

nytest environmental.

(516) 625-5500 FAX: (516) 625-1274

Chain of Custody Record

page # : 1 of 1

Client Name Asiatic Assoc. & Cons., Inc.
 Address 30 Freneau Ave.
Metawan, NY 07747

Project Manager D. Schmitt
 Phone (908) 290-7800 FAX (908) 290-7806
 Project Name Fort Monmouth Bldg 2044
 Project Number _____
 P.O. # _____
 Analytical Protocol _____ Deliverables _____
 Sampled By D. Schmitt

No. of Containers	Analysis Requested				
	624+15, xylenes, TBA MTBE	Total Lead	Pesticides	Herbicides	
	Bin #'s In / Out (For Lab Use Only)				

Login #: _____
 Ship to: _____
 Nytest Environmental Inc.
 60 Seaview Blvd
 Port Washington N.Y. 11050
 Attn.: Sample Control
 Date Shipped: _____
 Carrier: _____
 Air Bill #: _____
 Cooler #: _____
 C of C #: _____
 SDG #: _____
 NEI QT #: _____

Lab ID (Lab Use Only)	Sample ID (Maximum of 6 Characters)	Date Sampled	Time Sampled	Sample Location
	M W - 1	11/10/94	12:50	
	M W - 2		12:11	
	M W - 3		11:55	
	Field B		11:50	
	Trip B	11/8/94	-	
	Dup 1	11/10/94	12:30	

No. of Containers	624+15, xylenes, TBA MTBE	Total Lead	Pesticides	Herbicides	
7	2	1	2	2	
7	2	1	2	2	
7	2	1	2	2	
7	2	1	2	2	
2	2	-	-	-	
7	2	1	2	2	

Comments

Relinquished by: [Signature] Date / Time 11/10/94 3:31 Received by: [Signature] Date / Time 11/10 3:31
 Print Name: _____
 Relinquished by: _____ Date / Time _____ Received by: _____ Date / Time _____
 Print Name: _____
 Relinquished by: [Signature] Date / Time 11/10 8:25 Received by Laboratory: _____ Date / Time _____
 Print Name: J. [Signature] Print Name: [Signature]

Lab Use Only

Custody Seals: Intact Broken Absent

Sample Rec'd in Good Condition? N

Sample Temperature: _____ Degrees Celsius

INSPECTED BY: [Signature]

COMMENTS:

Special Instructions : _____

000002

GC/MS Data

000001

Volatile Data

000002

NYTEST ENVIRONMENTAL INC.

INTERNAL CHAIN OF CUSTODY

Laboratory Person Breaking Field Seal on Sample Shuttle & Accepting Responsibility for Sample			NAME: <i>[Signature]</i>	TITLE: <i>SCO</i>
Client: <i>Agvitar</i>	Date Broken: <i>11/10/94</i>	Military Time Seal Broken: <i>2000</i>		
Login #: <i>22521</i>	Analytical Parameter/Fraction: <i>8080 PEST HERB P62415 TBN625+15</i>			

SAMPLE NO.	ALIQOT/EXTRACT NO.	SAMPLE NO.	ALIQOT/EXTRACT NO.
22521-01	814-FB	13	1076-1
"-02	814 TB	14	1076-2
"-03	814-DUP	15	1073
"-04	814-1	16	1076 3MS
"-05	287-1	17	1076 3MSD
"-06	288B-1	18	689B-2
"-07	282-1	19	2044-1
"-08	207B-1	20	2044-2
"-09	689A-1	21	2044-3
"-10	600-1	22	2044-FB
"-11	2700-1	23	2044 DUP
"-12	1220-1	24	2044 TB

DATE	TIME	RELINQUISHED BY	RECIEVED BY	PURPOSE OF CHANGE OF CUS.
11/11/94	1600	PRINTED NAME <i>M. LANI</i>	PRINTED NAME <i>C Voss</i>	8080 PEST HERB, TBN625+15
		SIGNATURE <i>M. Lan</i>	SIGNATURE <i>C Voss</i>	
11/14/94	0800	PRINTED NAME <i>M. LANI</i>	PRINTED NAME <i>S Carver</i>	P624+15
		SIGNATURE <i>M. Lan</i>	SIGNATURE <i>S Carver</i>	
11/16/94	1300	PRINTED NAME <i>C Voss</i>	PRINTED NAME <i>R Fletch</i>	Storage
		SIGNATURE <i>C Voss</i>	SIGNATURE <i>R Fletch</i>	
11/22/94	16:00	PRINTED NAME <i>M. LANI</i>	PRINTED NAME <i>H. Trejillo</i>	Notes
		SIGNATURE <i>M. Lan</i>	SIGNATURE <i>H. Trejillo</i>	
11/30/94	1500	PRINTED NAME <i>H. Trejillo</i>	PRINTED NAME <i>M. LANI</i>	Storage
		SIGNATURE <i>H. Trejillo</i>	SIGNATURE <i>M. Lan</i>	
12/6/94	0815	PRINTED NAME <i>S Carver</i>	PRINTED NAME <i>M. LANI</i>	Storage
		SIGNATURE <i>S Carver</i>	SIGNATURE <i>M. Lan</i>	
		PRINTED NAME	PRINTED NAME	
		SIGNATURE	SIGNATURE	
		PRINTED NAME	PRINTED NAME	
		SIGNATURE	SIGNATURE	

000003

LABORATORY DELIVERABLES

	Check if Complete
1. Cover page, Title page listing Lab Certification# facility name & address, & date of report	<u>✓</u>
2. Table of Contents	<u>✓</u>
3. Summary sheets listing analytical results for all targeted and non-targeted compounds	<u>NA</u>
4. Summary Table cross-referencing field ID #'s vs. Lab ID #'s	<u>✓</u>
5. Document bound, paginated and legible	<u>✓</u>
6. Chain of Custody	<u>✓</u>
7. Methodology Summary	<u>✓</u>
8. Laboratory Chronicle and Holding Time check	<u>✓</u>
9. Results submitted on a dry weight basis (if applicable)	<u>NA</u>
10. Method Detection Limits	<u>NA</u>
11. Lab certified by NJDEPE for parameters or appropriate category of parameters or a member of the USEPA CLP	<u>✓</u>
12. Non-Conformance Summary	<u>✓</u>

Yoni Bay
Laboratory Manager or Environmental Consultant's Signature

2/21/95
Date

GC/MS ANALYSIS CONFORMANCE/NON-CONFORMANCE SUMMARY FORMAT

- | | <u>No</u> | <u>Yes</u> |
|--|-----------|------------|
| 1. Chromatograms Labeled/Compounds Identified
(Field Samples and Method Blanks) | — | ✓ |
| 2. GC/MS Tune Specifications | | |
| a. BFB Meet Criteria | — | ✓ |
| b. DFTPP Meet Criteria | — | ✓ |
| 3. GC/MS Tune Frequency - Performed every 24
hours for 600 series and 12 hours for
8000 series. | — | ✓ |
| 4. GC/MS Calibration - Initial Calibration
performed within 30 days before sample analysis
and continuing calibration performed within 24
hours of sample analysis for 600 series and 12
hours for 8000 series | — | ✓ |
| 5. GC/MS Calibration Requirements | | |
| a. Calibration Check Compounds | — | ✓ |
| b. System Performance Check Compounds | — | ✓ |
| 6. Blank Contamination - If yes, list compounds and
concentrations in each blank: | | |
| a. VOA fraction _____ | | |
| b. B/N Fraction _____ | | |
| c. Acid Fraction _____ | | |
| 7. Surrogate Recoveries Meet Criteria | ✓ | — |
| If not met, list those compounds and their recoveries
which fall outside the acceptable range: <i>from summary 2/18/95</i> | | |
| a. VOA Fraction VOA (57, 58, 55, 58, 55, 56, 58, 54, 56, 56, 55, 56)
VOA (62, 59, 58, 58) <i>VOA (54, 56, 56, 55, 56)</i> | | |
| b. B/N Fraction _____ | | |
| c. Acid Fraction _____ | | |
| If not met, were the calculations checked and the results
qualified as estimated? <u>NA</u> | | |
| 8. Matrix Spike/Matrix Spike Duplicate Recoveries
Meet Criteria (if not met, list these compounds
and their recoveries which fall outside the acceptable range) | ✓ | — |
| a. VOA Fraction <i>1,1-Dichloroethane (166, 178) Chloroform (159, 170)</i> | | |
| b. B/N Fraction <i>1,2-Dichloroethane (173, 184)</i> | | |
| c. Acid Fraction Phthalate (59, 60) <i>from summary 2/18/95</i> | | |
| 9. Internal Standard Area/Retention Time
Shift Meet Criteria | | <u>NA</u> |

000005

GC/MS ANALYSIS CONFORMANCE/NON-CONFORMANCE SUMMARY FORMAT (CONT.)

	<u>No</u>	<u>Yes</u>
10. Extraction Holding Time Met	___	✓
If not met, list number of days exceeded each sample: _____		

11. Analysis Holding Time Met	___	✓
If not met, list number of days exceeded for each sample: _____		

Addition... Comments: _____

Laboratory Manager: Louie Bay Date 2/21/95

GC ANALYSIS CONFORMANCE/NON-CONFORMANCE SUMMARY FORMAT

	<u>No</u>	<u>Yes</u>
1. Chromatograms Labeled/Compounds Identified (Field Samples and Method Blanks)	___	___/
2. Standards Summary Submitted	___	___/
3. Calibration - Initial Calibration performed 30 days before sample analysis and continuing calibration performed within 24 hours of samples analysis	___	___/
4. Blank Contamination- If yes, list compounds and concentrations in each blank:	___/	___
a. VOA Fraction _____		
b. B/N Fraction _____		
c. Acid Fraction _____		
d. Pesticide/PCB's _____		
e. Other _____		
5. Surrogate Recoveries Meet Criteria (if applicable)	___/	___
If not met, list those compounds and their recoveries which fall outside the acceptable range:		
a. VOA Fraction _____		
b. B/N Fraction _____		
c. Acid Fraction _____		
d. Pesticides/PCB's <u>Rx: 20, 31, 27 / DLG: 18, 32</u> _____		
e. Other _____		
If not met, were the calculations checked and the results qualified as "estimated"? <u>NA</u>		
6. Matrix Spike/Matrix Spike Duplicate Recoveries Meet Criteria (if applicable)	___/	___
(If not met, list those Compounds and their recoveries which fall outside the acceptable range)		
a. VOA Fraction _____		
b. B/N Fraction _____		
c. Acid Fraction _____		
d. Pesticides/PCB's _____		
e. Other _____		
7. Retention time Shift Meet Criteria (if applicable)	___	___/

000007

GC ANALYSIS CONFORMANCE/NON-CONFORMANCE SUMMARY FORMAT (CONT.)

	<u>No</u>	<u>Yes</u>
8. Extraction Holding Time Met	___	<u>✓</u>

If not met, list number of days exceeded for each sample: _____

9. Analysis Holding Time Met	___	<u>✓</u>
------------------------------	-----	----------

If not met, list number of days exceeded for each sample: _____

Additional Comments: _____

Laboratory Manager: Yoni Bell Date: 2/21/95

METAL ANALYSIS CONFORMANCE/NON-CONFORMANCE SUMMARY FORMAT

- | | <u>No</u> | <u>Yes</u> |
|---|------------|------------|
| 1. Calibration Summary Meet Criteria | ___ | ___ ✓ |
| 2. ICP Interference Check Sample Results Summary Submitted (if applicable) / Meet Criteria | ___ NA ___ | ___ |
| 3. Serial Dilution Summary Submitted (if applicable) / Meet Criteria | ___ NA ___ | ___ |
| 4. Laboratory Control Sample Summary Submitted (if applicable) / Meet Criteria | ___ | ___ ✓ |
| 5. Blank Contamination - If yes, list compounds concentrations in each blank:

_____ | ___ ✓ ___ | ___ |
| 6. Matrix Spike/Matrix Spike Duplicate Recoveries Meet Criteria (If not met, list those compounds and their recoveries which fall outside the acceptable range)

_____ | ___ | ___ ✓ |
| 7. Extraction Holding Time Met
If not met, list number of days exceeded for each sample: _____

_____ | ___ | ___ ✓ |
| 8. Analysis Holding Time Met
If not met, list number of days exceeded for each sample: _____

_____ | ___ | ___ ✓ |

Additional Comments: _____

Laboratory Manager: Jon Bly Date: 2/21/95

000009

Laboratory Chronicle

Client Name: Aguilar Associates
Date(s) of Sample Collection: 11/09/94
Date Received: 11/10/94
Sample ID: As per chain of custody

Log In No.: 22521L

Organics Extraction:

-
- 1. Acids _____
 - 2. Base/Neutrals _____
11/12/94
 - 3. Pesticides/PCBs _____
11/15/94
 - 4. Herbicides _____

Analysis:

-
- 1. Volatiles _____
11/16/94
 - 2. Acids _____
 - 3. Base/Neutrals _____
11/24/94
 - 4. Pesticides/PCBs _____
12/05/94
 - 5. Herbicides _____

Section Supervisor Yoni Ben
Review & Approval _____

Digestion - 11/22/94 Analysis - 12/6/94

Inorganics:

-
- 1. Metals _____
 - 2. Cyanides _____
 - 3. Phenols _____

Other Analysis:

Section Supervisor Yoni Ben
Review & Approval _____

Quality Control Supervisor Yoni Ben
Review & Approval _____

Dates are included for re-extractions and reanalysis.

000010

NARRATIVE DISCUSSION
VOLATILES - 22521L
Bldg:2044

INTRODUCTION

This narrative covers the analysis of six (6) samples in accordance with NEI SOP #703 based on USEPA Method 624.

HOLDING TIMES

The analytical holding time for this analysis was met.

CALIBRATIONS

All required minimum RRFs and maximum % RSD initial calibration requirements have been met in accordance with the Method.

QC CHECK SAMPLE

Thirteen (13) of sixty-two (62) % recoveries in QC check samples N0257 and N0259 were outside QC limits.

METHOD BLANKS

The method blank associated with these samples did not contain any target compounds at or above QC limits.

SURROGATES

Surrogate recoveries met QC criteria with the exception of samples 2044-I, 2044-2, 2044-3, 2044-FB, 2044-DUP, and 2044-TB. No further action was taken due to lab error.

MATRIX SPIKES

As requested sample 1076-3 was utilized for the MS and MSD analyses. The 1,1-Dichloroethane, Chloroform, and 1,2-Dichloroethane recoveries in the MS and MSD were above advisory QC limits. The form 3 was included in this report.

INTERNAL STANDARDS

Area response and retention time summaries are not required.

000011

VOLATILES - 22521

SAMPLE COMMENTS

The TICs identified as "Unknown Siloxane" are most probably due to column degradation and not sample constituency.

NEI is reporting the results to our method detection limits (MDL's) rounded to the nearest part per billion (ppb) in accordance with the guidance provided by NJDEP. These MDL's indicate that NEI did not detect any compounds above these levels.

No further analytical problems were encountered.

c:\nar.dis\dg

000012

NARRATIVE DISCUSSION
PESTICIDES - 22521 L

Surrogates

The recovery of TCX was outside the advisory QC limits for samples 2044-1, 2044-3, 2044-FB and 2044-DUP. The recovery of DCB was outside the advisory QC limits for samples 2044-1 and 2044-FB. All other recoveries met QC criteria.

Matrix Spike / Matrix Spike Duplicate (MS/MSD)

No sample was designated for MS/MSD analysis for this login.

Method Blanks

No target compounds were detected in PBLK8.

Calibrations

The initial and continuing calibrations passed QC criteria.

Samples

All samples were analyzed as per SW-846 Method 8080. No analytical problems were encountered.

c:\wp51\cns\ac

000013

NARRATIVE DISCUSSION
HERBICIDES - 22521 L

Surrogates

All recoveries met QC criteria.

Matrix Spike / Matrix Spike Duplicate (MS/MSD)

No sample was designated for MS/MSD analysis for this login.

Method Blanks

No target compounds were detected in HBLK7.

Calibrations

The initial and continuing calibrations passed QC criteria.

Samples

All samples were analyzed as per SW-846 Method 8150. All samples were originally scheduled for a Herbicide extraction with a 250 ml starting volume. This is four times lower than starting volume of 1000 ml for Method 8150. A dilution factor of 4 has been applied to all samples to account for this. No further analytical problems were encountered.

c:\wp51\cns\ac

000014

NARRATIVE DISCUSSION
INORGANICS - 22521L
Bldg:2044

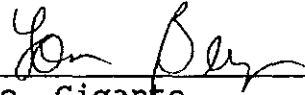
All samples were analyzed as per the required protocols.

The matrix spike recoveries and duplicate RPD values were within QC limits

000015

nytest environmental_{inc}

I certify that this data package has been reviewed for the quality control and quality assurance measures for all analyzed methodologies.



Remo Gigante
Exec. Vice President

000016

METHODOLOGY SUMMARY

AQUEOUS METHODOLOGIES:	REF 1	REF 2	REF 3	REF 5
BNA, Pesticides/PCB's Extraction		3510/3520		
AA/ICP Sample Preparation	200.7			
Furnace Sample Preparation	200.0			
Mercury Sample Preparation	245.1			
Hexavalent Chromium Sample Preparation	218.5			
Clean-Up		3610/3620/3630/ 3640/3660		
Organochlorine Pesticide and PCB's by Gas Chromatography			608	505
Herbicides by Gas Chromatography			362	515.1
Purgeable Organics by GC/MS			624	524.2
Base/Neutral, Acids by GC/MS			625	525
2,3,7,8-TCDD by GC/MS			613/625	
BTEX			602	502.2
EDB/DBCP by Microextraction				504.1

NON-AQUEOUS METHODOLOGIES:

BNA, Pesticides/PCB's Extraction	3550
AA/ICP Sample Preparation	3050
Furnace Sample Preparation	3020/3030/3050
Mercury Sample Preparation	7471
Clean-Up	3610/3620/3630/ 3640/3660

GC, Gas Chromatography/Mass Spectrometry:

Purgeable Organics	8240/8021
Base/Neutral and Acid Extractables	8270
Organophosphorus Pesticides	8140
Organochlorine Pesticide and PCB's by Gas Chromatography	8080
BTEX	8020
Halogenated Purgeable Organics	8010

000017

METHODOLOGY SUMMARY

INDUCTIVELY COUPLED PLASMA (ICP):	REFERENCE 1	REFERENCE 2
Aluminum	200.7	6010
Antimony	200.7	6010
Barium	200.7	6010
Beryllium	200.7	6010
Cadmium	200.7	6010
Calcium	200.7	6010
Chromium	200.7	6010
Cobalt	200.7	6010
Copper	200.7	6010
Iron	200.7	6010
Lead	200.7	6010
Magnesium	200.7	6010
Manganese	200.7	6010
Molybdenum	200.7	6010
Nickel	200.7	6010
Potassium	200.7	6010
Silver	200.7	6010
Sodium	200.7	6010
Tin	200.7	6010
Titanium	200.7	6010
Vanadium	200.7	6010
Zinc	200.7	6010
FURNACE AA:		
Antimony	204.1	7041
Arsenic	206.2	7060
Lead	239.2	7421
Selenium	270.2	7740
Thallium	279.2	7841
Tin	282.2	
Vanadium	286.2	7911
Mercury	245.1	7470/7471
ICAP:		
Priority Pollutants	200.7	6010/7060/ 7470/7740
TAL Metals	200.7	6010/7060/ 7470/7740
RCRA Metals	200.7	6010/7060/ 7470/7740

000018

METHODOLOGY SUMMARY

ADDITIONAL INORGANIC PARAMETERS:	REFERENCE 1	REFERENCE 2
Biochemical Oxygen Demand	405.1	
Bromide	320.1	
Color	110.2	
Conductance	120.1	
Conductance		9050
Odor	140.1	
pH	150.1	
pH		9045/9040/9041
TDS	160.1	
TSS	160.2	
TS	160.3	
Hardness	130.1	
Temperature	170.1	
Turbidity	180.1	
Acidity	305.1	
Alkalinity	310.1	
Ammonia	350.2/350.3	
Chloride	325.3	
Chloride		9252
Residual Chlorine	330.2	
COD	410.3/410.4	
Cyanide (Total & Amenable)	335.3/335.1	9010/9012
Oil & Grease	413.1/413.2	
Oil & Grease		9070/9071
Fluoride	340.2	
TKN	351.2	
NO2/NO3	353.2	9200
D.O	360.2	
Petroleum Hydrocarbons (Reference 4)	418.1	9066
Phenol	420.2	
Phosphorus	365.1	
Settleable Solids	160.5	
Silica	370.1	
Sulfate	375.2/375.4	9038
Sulfide	376.1	9030
Surfactants	425.1	
TOC	415.1	9060
TOX		9020

MISCELLANEOUS ANALYSIS:

Extraction Procedure Toxicity	1310
Ignitability	1010
Corrosivity	1110
Reactivity	Chapter 8.3
Paint Filter Liquid Test	9095
Toxicity Characteristic Leaching Procedure (TCLP)	(REF 4)
Cation Exchange Capacity of Soils	9080

000019

METHODOLOGY SUMMARY

REFERENCES:

- (1) USEPA-600/4-79-020, Methods for Chemical Analysis of Water and Waste
- (2) USEPA SW 846, Test Methods for Evaluating Solid Waste, Third Edition
- (3) Federal Register 40 CFR Part 136, Vol.49, No.209 Test Parameters for the Analysis of Pollutants
- (4) Federal Register Vol.51, No.216 Friday, 11/7/86, pp.40643-40652
- (5) Method for the Determination of Organic Compounds in Drinking Water, EPA 500/4-88/039, Dec. 1988
- (6) Standard Method for Examination of Water and Wastewater, 15 Edition 1980

000020

Method Qualifiers for Organic Non-CLP Methodologies

Q Qualifier - Specified entries and their meanings as follows:

- U** - Indicates compound was analyzed for but was not detected. The sample quantitation limit is corrected for dilutions and for the moisture content for soil samples. If a sample extract can not be concentrated to the protocol - specific volume, this fact is also accounted for in reporting the sample quantitation limit. The number is the minimum detected limits for the sample.
- J** - Indicates an estimated volume. The flag is used either when estimating concentration for tentatively identified compounds where a 1:1 response is assumed, or when the mass spectral data indicates the presence of a compound that meets the identification criteria but the result is less than the sample quantitation limit but greater than zero.
- N** - Indicates presumptive evidence of a compound. This flag is used only for tentatively identified compounds, where the identification is based on a mass spectral library search. It is applied to all TIC results. For generic characterization of a TIC, such as chlorinated hydrocarbon, the N code is not used.
- B** - This flag is used when the analyte is found in the analyte is found in the associated blank as well as the sample. It indicates possible/probable blank contamination and warns the data user to take appropriate action. This flag is used for a TIC as well as for a positively identified target compound.
- E** - This flag identifies compounds whose concentrations exceeded the calibration range of the GC/MS instrument for that specific analysis.
- D** - This flag identifies all compounds identified in an analysis at a secondary dilution factor.
- A** - This flag indicates that a TIC is a suspected aldol condensation product.

Method Qualifiers for Inorganics

FORM I-IN includes fields for three types of results qualifiers. These qualifiers must be completed as follows:

* C (Concentration) qualifier -- Enter "B" if the reported value was obtained from a reading that was less than the Contract Required Detection Limit (CRDL) but greater than or equal to the Instrument Detection Limit (IDL). If the analyte was analyzed for but not detected, a "U" must be entered.

* Q Qualifier -- Specified entries and their meanings are as follows :

E - The reported value is estimated because of the presence of interference.

M - Duplicate precision not met (CV > 20%).

N - Spiked sample recovery not within control limits.

S - The reported value was determined by Method of Standard Addition (MSA).

W - Post-digestion spike for Furnace AA analysis is out of control limits (85-115%), while sample absorbance is less than 50% of spike absorbance.

* - Duplicate analysis not within control limits.

+ - Correlation Coefficient for MSA is less than 0.995.

Entering "S", "W" or "+" is mutually exclusive.

* M (Method) qualifier - enter:

- "P" for ICP

- "A" for Flame AA

- "F" for Furnace AA

- "CV" for Cold Vapor AA

- "AV" for Automated Cold Vapor AA

- "AS" for Semi-Automated Spectrophotometric

- "C" for Manual Spectrophotometric

- "T" for Titrimetric

- "NR" if the analyte is not required to be analyzed.

000022

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

2044-1

Lab Name: NYTEST ENV INC

Contract: 9421415

Lab Code: NYTEST

Case No.: 22521

SAS No.:

SDG No.: ARMY2

Matrix: (soil/water) WATER

Lab Sample ID: 2252119

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

Lab File ID: N0270.D

Level: (low/med) LOW

Date Received: 11/10/94

% Moisture: not dec.

Date Analyzed: 11/16/94

Column: (pack/cap) CAP

Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	-----Chloromethane	2	U
74-83-9	-----Bromomethane	1	U
75-01-4	-----Vinyl Chloride	1	U
75-00-3	-----Chloroethane	1	U
75-09-2	-----Methylene Chloride	5	
75-35-4	-----1,1-Dichloroethene	2	U
75-34-3	-----1,1-Dichloroethane	1	U
67-66-3	-----Chloroform	1	U
107-06-2	-----1,2-Dichloroethane	1	U
71-55-6	-----1,1,1-Trichloroethane	1	U
56-23-5	-----Carbon Tetrachloride	2	U
75-27-4	-----Bromodichloromethane	1	U
78-87-5	-----1,2-Dichloropropane	1	U
10061-01-5	-----cis-1,3-Dichloropropene	1	U
79-01-6	-----Trichloroethene	2	U
124-48-1	-----Dibromochloromethane	1	U
79-00-5	-----1,1,2-Trichloroethane	1	U
71-43-2	-----Benzene	4	
10061-02-6	-----trans-1,3-Dichloropropene	1	U
75-25-2	-----Bromoform	1	U
127-18-4	-----Tetrachloroethene	3	U
79-34-5	-----1,1,2,2-Tetrachloroethane	2	U
108-88-3	-----Toluene	2	U
108-90-7	-----Chlorobenzene	2	U
100-41-4	-----Ethylbenzene	2	U
1330-20-7	-----Xylene (total)	2	J
75-69-4	-----Trichloromonofluoromethane	2	U
107-02-8	-----Acrolein	20	U
107-13-1	-----Acrylonitrile	2	U
75-65-0	-----Tertiary Butyl Alcohol	100	U
1634-34-4	-----Methyl Tertiary Butyl Ether	9	
541-73-1	-----1,3-Dichlorobenzene	2	U
106-46-7	-----1,4-Dichlorobenzene	2	U
95-50-1	-----1,2-Dichlorobenzene	2	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

2044-1

Lab Name: NYTEST ENV INC

Contract: 9421415

Lab Code: NYTEST

Case No.: 22521

SAS No.:

SDG No.: ARMY2

Matrix: (soil/water) WATER

Lab Sample ID: 2252119

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

Lab File ID: N0270.D

Level: (low/med) LOW

Date Received: 11/10/94

% Moisture: not dec. _____

Date Analyzed: 11/16/94

Column: (pack/cap) CAP

Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
110-75-8-----	2-Chloroethylvinyl Ether	4	U
156-60-5-----	Trans, 1,2-Dichloroethene	1	U

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

2044-1

Lab Name: NYTEST ENV INC

Contract: 9421415

Lab Code: NYTEST

Case No.: 22521

SAS No.:

SDG No.: ARMY2

Matrix: (soil/water) WATER

Lab Sample ID: 2252119

Sample wt/vol: 5.0

(g/mL) ML

Lab File ID: N0270.D

Level: (low/med) LOW

Date Received: 11/10/94

% Moisture: not dec. _____

Date Analyzed: 11/16/94

Column: (pack/cap) CAP

Dilution Factor: 1.0

Number TICs found: 8

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

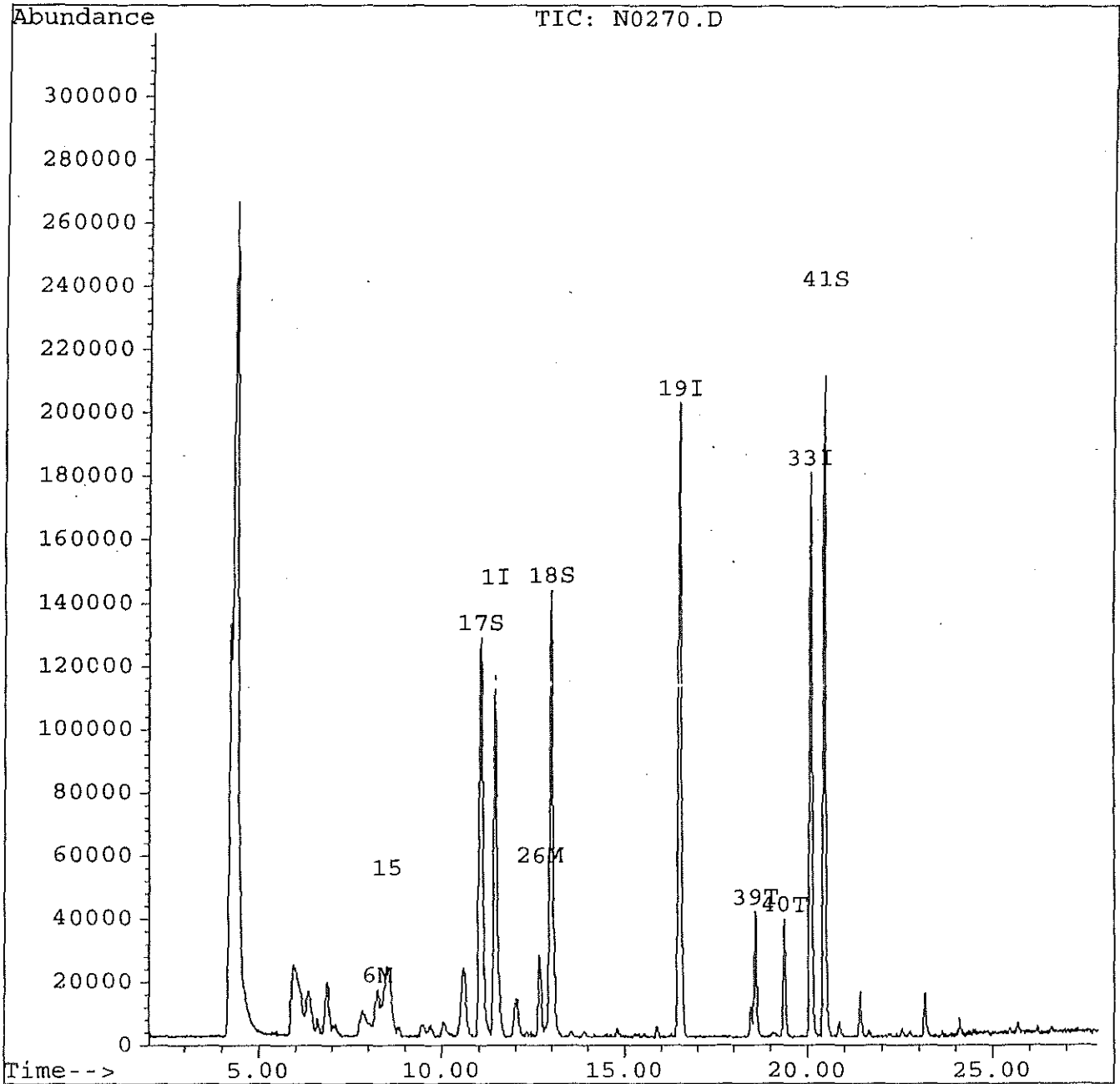
CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	5.953	6	J
2.	UNKNOWN	6.002	4	J
3.	UNKNOWN	6.098	4	J
4.	UNKNOWN	6.330	5	J
5.	UNKNOWN	6.879	4	J
6.	UNKNOWN	7.853	4	J
7.	UNKNOWN	10.592	8	J
8.	UNKNOWN	12.030	4	J
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Quantitation Report

Data File : C:\HPCHEM\1\DATA\NOV1694\N0270.D
Acq Time : 16 Nov 94 19:36 pm
Sample : 2252119,2044-1,
Misc : 1,1,,,5,5,P624
Quant Time: Dec 30 13:57 1994

Operator: LDS
Inst : HPN
Multiplr: 1.00

Method : c:\HPCHEM\1\METHODS\P624.M
Title : VOA Standards for 5 point calibration
Last Update : Fri Dec 23 10:39:23 1994
Response via : Multiple Level Calibration



000006

Quantitation Report

Data File : C:\HPCHEM\1\DATA\NOV1694\N0270.D
 Acq Time : 16 Nov 94 19:36 pm
 Sample : 2252119,2044-1,
 Misc : 1,1,,,5,5,P624
 Quant Time: Dec 30 13:57 1994

Operator: LDS
 Inst : HPN
 Multiplr: 1.00

Method : c:\HPCHEM\1\METHODS\P624.M
 Title : VOA Standards for 5 point calibration
 Last Update : Fri Dec 23 10:39:23 1994
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev (Min)
1) CI01 Bromochloromethane	11.47	128	84081	30.00	ug/l	0.13
19) 2-BROMO-1-CHLOROPROPANE	16.51	77	433155	30.00	ug/l	0.10
33) 1,4-DICHLOROBUTANE	20.08	55	344084	30.00	ug/l	0.07
System Monitoring Compounds						%Recovery
17) PENTAFLUOROBENZENE	11.06	168	351225	20.04	ug/l	66.80%
18) FLUOROBENZENE	12.99	96	435122	21.22	ug/l	70.72%
41) CS10 4-Bromofluorobenzene	20.46	95	254520	14.43	ug/l	48.10%
Target Compounds						Qvalue
6) C030 Methylene Chloride	8.24	84	33148	4.21	ug/l #	85
15) C176 METHYL TERTIARY BUTYL	8.54	73	49370	13.11	ug/l	100
26) C165 Benzene	12.69	78	85687	3.19	ug/l	89
39) C250 M-P,XYLENE	18.60	106	33699	2.70	ug/l m	68
40) C255 O-XYLENE	19.39	106	29976	2.07	ug/l #	72

000007

(#) = qualifier out of range (m) = manual integration

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

2044-2

Lab Name: NYTEST ENV INC

Contract: 9421415

Lab Code: NYTEST

Case No.: 22521

SAS No.:

SDG No.: ARMY2

Matrix: (soil/water) WATER

Lab Sample ID: 2252120

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

Lab File ID: N0271.D

Level: (low/med) LOW

Date Received: 11/10/94

% Moisture: not dec. _____

Date Analyzed: 11/16/94

Column: (pack/cap) CAP

Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	-----Chloromethane	2	U
74-83-9	-----Bromomethane	1	U
75-01-4	-----Vinyl Chloride	1	U
75-00-3	-----Chloroethane	1	U
75-09-2	-----Methylene Chloride	4	U
75-35-4	-----1,1-Dichloroethene	2	U
75-34-3	-----1,1-Dichloroethane	1	U
67-66-3	-----Chloroform	1	U
107-06-2	-----1,2-Dichloroethane	1	U
71-55-6	-----1,1,1-Trichloroethane	1	U
56-23-5	-----Carbon Tetrachloride	2	U
75-27-4	-----Bromodichloromethane	1	U
78-87-5	-----1,2-Dichloropropane	1	U
10061-01-5	-----cis-1,3-Dichloropropene	1	U
79-01-6	-----Trichloroethene	2	U
124-48-1	-----Dibromochloromethane	1	U
79-00-5	-----1,1,2-Trichloroethane	1	U
71-43-2	-----Benzene	1	U
10061-02-6	-----trans-1,3-Dichloropropene	1	U
75-25-2	-----Bromoform	1	U
127-18-4	-----Tetrachloroethene	3	U
79-34-5	-----1,1,2,2-Tetrachloroethane	2	U
108-88-3	-----Toluene	2	U
108-90-7	-----Chlorobenzene	2	U
100-41-4	-----Ethylbenzene	2	U
1330-20-7	-----Xylene (total)	6	U
75-69-4	-----Trichloromonofluoromethane	2	U
107-02-8	-----Acrolein	20	U
107-13-1	-----Acrylonitrile	2	U
75-65-0	-----Tertiary Butyl Alcohol	100	U
1634-34-4	-----Methyl Tertiary Butyl Ether	1	U
541-73-1	-----1,3-Dichlorobenzene	2	U
106-46-7	-----1,4-Dichlorobenzene	2	U
95-50-1	-----1,2-Dichlorobenzene	2	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

2044-2

Lab Name: NYTEST ENV INC

Contract: 9421415

Lab Code: NYTEST

Case No.: 22521

SAS No.:

SDG No.: ARMY2

Matrix: (soil/water) WATER

Lab Sample ID: 2252120

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

Lab File ID: N0271.D

Level: (low/med) LOW

Date Received: 11/10/94

% Moisture: not dec. _____

Date Analyzed: 11/16/94

Column: (pack/cap) CAP

Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
110-75-8-----	2-Chloroethylvinyl Ether	4	U
156-60-5-----	Trans, 1,2-Dichloroethene	1	U

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

2044-2

Lab Name: NYTEST ENV INC

Contract: 9421415

Lab Code: NYTEST

Case No.: 22521

SAS No.:

SDG No.: ARMY2

Matrix: (soil/water) WATER

Lab Sample ID: 2252120

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

Lab File ID: N0271.D

Level: (low/med) LOW

Date Received: 11/10/94

% Moisture: not dec. _____

Date Analyzed: 11/16/94

Column: (pack/cap) CAP

Dilution Factor: 1.0

Number TICs found: 3

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

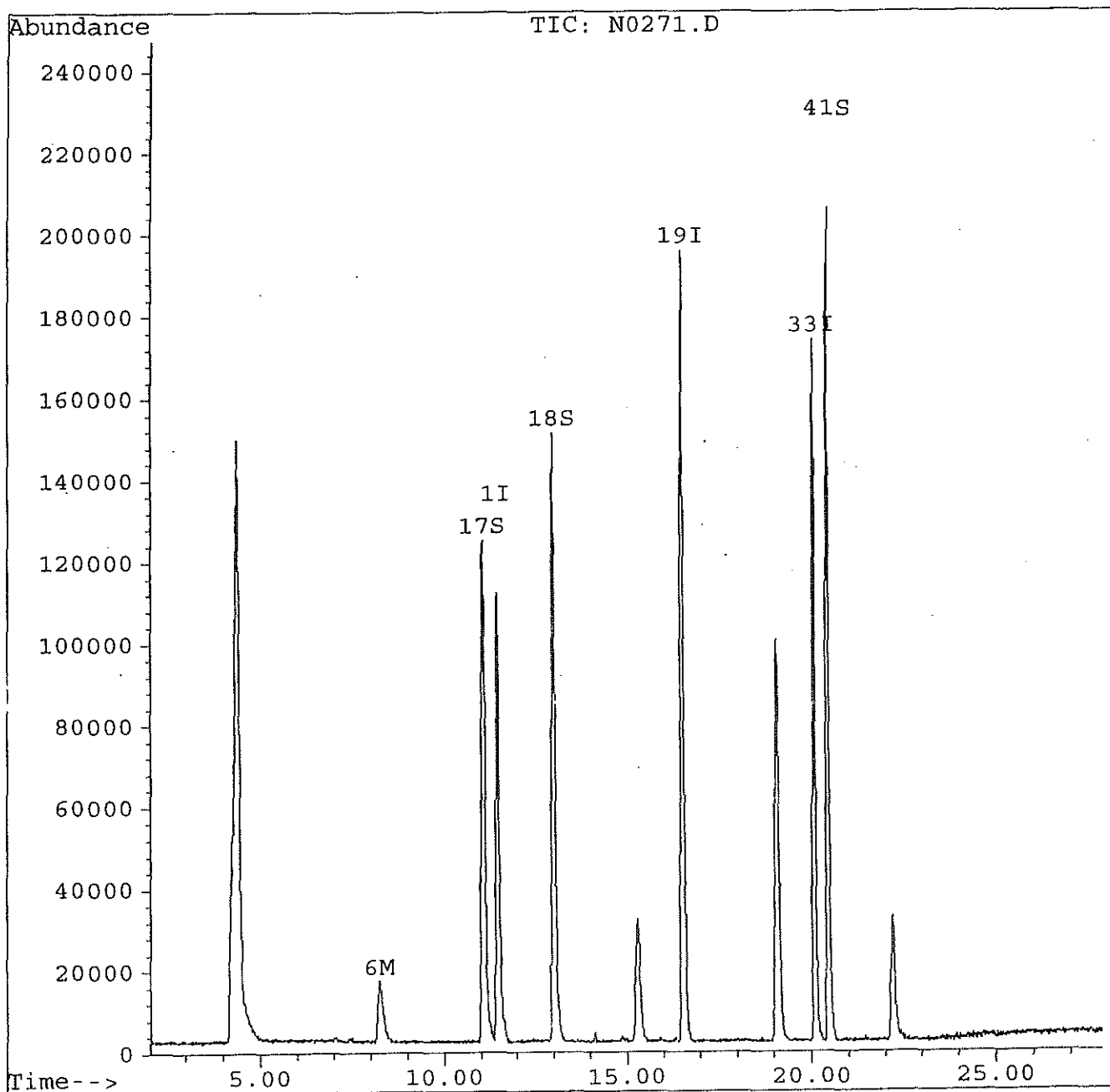
CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN SILOXANE	15.296	12	J
2.	UNKNOWN SILOXANE	19.086	28	J
3.	UNKNOWN SILOXANE	22.210	9	J
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Quantitation Report

Data File : C:\HPCHEM\1\DATA\NOV1694\N0271.D
Acq Time : 16 Nov 94 20:09 pm
Sample : 2252120,2044-2,
Misc : 1,1,,,5,5,P624
Quant Time: Dec 23 13:38 1994

Operator: LDS
Inst : HPN
Multiplr: 1.00

Method : c:\HPCHEM\1\METHODS\P624.M
Title : VOA Standards for 5 point calibration
Last Update : Fri Dec 23 10:39:23 1994
Response via : Multiple Level Calibration



000011

Quantitation Report

Data File : C:\HPCHEM\1\DATA\NOV1694\N0271.D
 Acq Time : 16 Nov 94 20:09 pm
 Sample : 2252120,2044-2,
 Misc : 1,1,,,5,5,P624
 Quant Time: Dec 23 13:38 1994

Operator: LDS
 Inst : HPN
 Multiplr: 1.00

Method : c:\HPCHEM\1\METHODS\P624.M
 Title : VOA Standards for 5 point calibration
 Last Update : Fri Dec 23 10:39:23 1994
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev (Min)
1) CI01 Bromochloromethane	11.47	128	81130	30.00	ug/l	0.13
19) 2-BROMO-1-CHLOROPROPANE	16.51	77	419141	30.00	ug/l	0.10
33) 1,4-DICHLOROBUTANE	20.09	55	332436	30.00	ug/l	0.07
System Monitoring Compounds						%Recovery
17) PENTAFLUOROBENZENE	11.07	168	345453	20.43	ug/l	68.09%
18) FLUOROBENZENE	12.99	96	470093	23.75	ug/l	79.18%
41) CS10 4-Bromofluorobenzene	20.45	95	250658	14.71	ug/l	49.03%
Target Compounds						Qvalue
6) C030 Methylene Chloride	8.25	84	31837	4.19	ug/l	85

000012

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

2044-3

Lab Name: NYTEST ENV INC

Contract: 9421415

Lab Code: NYTEST

Case No.: 22521

SAS No.:

SDG No.: ARMY2

Matrix: (soil/water) WATER

Lab Sample ID: 2252121

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

Lab File ID: N0272.D

Level: (low/med) LOW

Date Received: 11/10/94

% Moisture: not dec. _____

Date Analyzed: 11/16/94

Column: (pack/cap) CAP

Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	-----Chloromethane	2	U
74-83-9	-----Bromomethane	1	U
75-01-4	-----Vinyl Chloride	1	U
75-00-3	-----Chloroethane	1	U
75-09-2	-----Methylene Chloride	4	U
75-35-4	-----1,1-Dichloroethene	2	U
75-34-3	-----1,1-Dichloroethane	1	U
67-66-3	-----Chloroform	1	U
107-06-2	-----1,2-Dichloroethane	1	U
71-55-6	-----1,1,1-Trichloroethane	1	U
56-23-5	-----Carbon Tetrachloride	2	U
75-27-4	-----Bromodichloromethane	1	U
78-87-5	-----1,2-Dichloropropane	1	U
10061-01-5	-----cis-1,3-Dichloropropene	1	U
79-01-6	-----Trichloroethene	2	U
124-48-1	-----Dibromochloromethane	1	U
79-00-5	-----1,1,2-Trichloroethane	1	U
71-43-2	-----Benzene	1	U
10061-02-6	-----trans-1,3-Dichloropropene	1	U
75-25-2	-----Bromoform	1	U
127-18-4	-----Tetrachloroethene	3	U
79-34-5	-----1,1,2,2-Tetrachloroethane	2	U
108-88-3	-----Toluene	2	U
108-90-7	-----Chlorobenzene	2	U
100-41-4	-----Ethylbenzene	2	U
1330-20-7	-----Xylene (total)	6	U
75-69-4	-----Trichloromonofluoromethane	2	U
107-02-8	-----Acrolein	20	U
107-13-1	-----Acrylonitrile	2	U
75-65-0	-----Tertiary Butyl Alcohol	100	U
1634-34-4	-----Methyl Tertiary Butyl Ether	1	U
541-73-1	-----1,3-Dichlorobenzene	2	U
106-46-7	-----1,4-Dichlorobenzene	2	U
95-50-1	-----1,2-Dichlorobenzene	2	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

2044-3

Lab Name: NYTEST ENV INC

Contract: 9421415

Lab Code: NYTEST

Case No.: 22521

SAS No.:

SDG No.: ARMY2

Matrix: (soil/water) WATER

Lab Sample ID: 2252121

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

Lab File ID: N0272.D

Level: (low/med) LOW

Date Received: 11/10/94

% Moisture: not dec. _____

Date Analyzed: 11/16/94

Column: (pack/cap) CAP

Dilution Factor: 1.0

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

110-75-8-----	2-Chloroethylvinyl Ether	4	U
156-60-5-----	Trans, 1,2-Dichloroethene	1	U

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

2044-3

Lab Name: NYTEST ENV INC

Contract: 9421415

Lab Code: NYTEST

Case No.: 22521

SAS No.:

SDG No.: ARMY2

Matrix: (soil/water) WATER

Lab Sample ID: 2252121

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

Lab File ID: N0272.D

Level: (low/med) LOW

Date Received: 11/10/94

% Moisture: not dec. _____

Date Analyzed: 11/16/94

Column: (pack/cap) CAP

Dilution Factor: 1.0

Number TICs found: 2

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

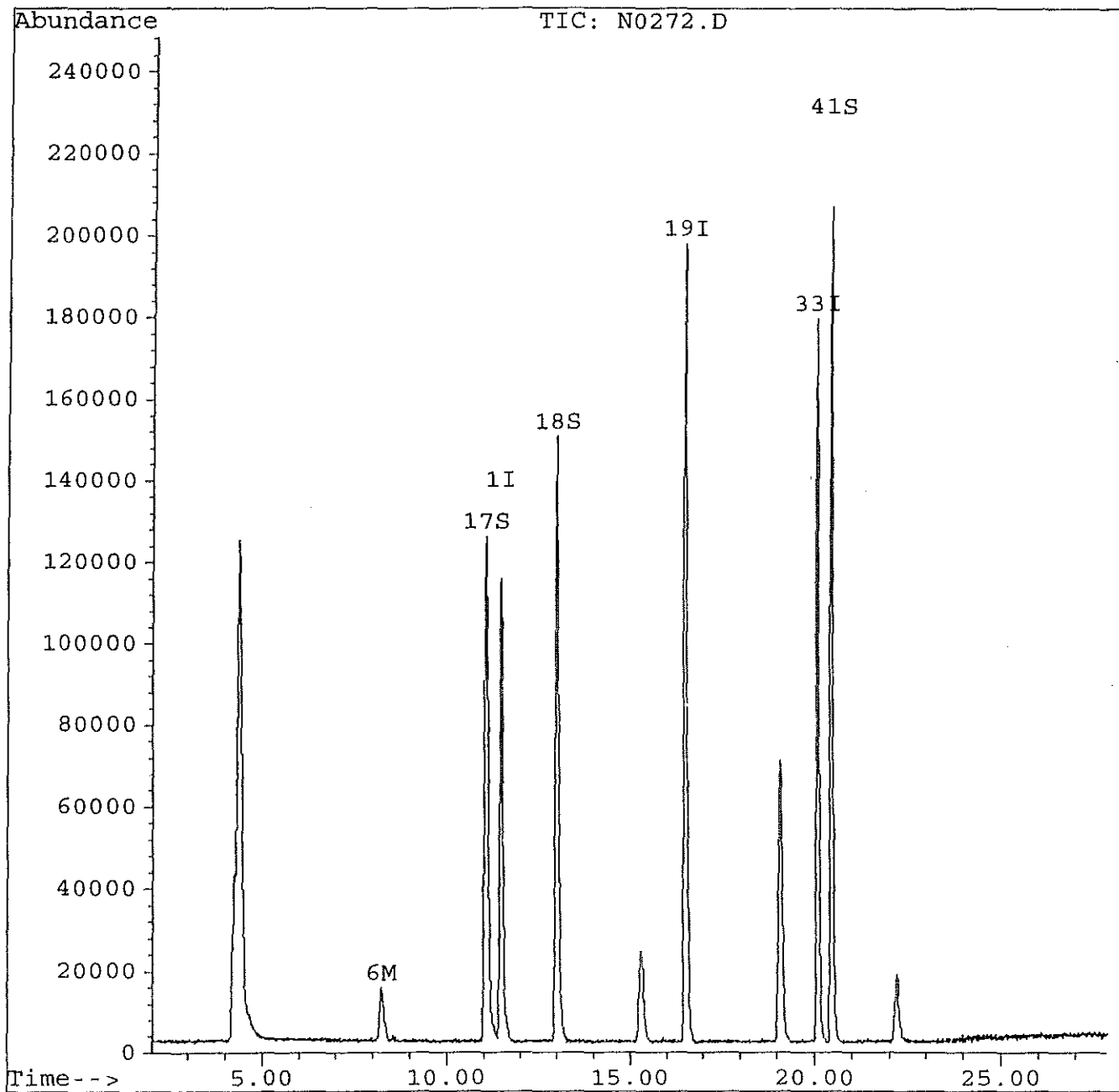
CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN SILOXANE	15.296	5	J
2.	UNKNOWN SILOXANE	19.076	19	J
3.				
4.				
5.				
6.				
7.				
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Quantitation Report

Data File : C:\HPCHEM\1\DATA\NOV1694\N0272.D
Acq Time : 16 Nov 94 20:43 pm
Sample : 2252121,2044-3,
Misc : 1,1,,,5,5,P624
Quant Time: Dec 23 13:39 1994

Operator: LDS
Inst : HPN
Multiplr: 1.00

Method : c:\HPCHEM\1\METHODS\P624.M
Title : VOA Standards for 5 point calibration
Last Update : Fri Dec 23 10:39:23 1994
Response via : Multiple Level Calibration



000016

Quantitation Report

Data File : C:\HPCHEM\1\DATA\NOV1694\N0272.D
 Acq Time : 16 Nov 94 20:43 pm
 Sample : 2252121,2044-3,
 Misc : 1,1,,,5,5,P624
 Quant Time: Dec 23 13:39 1994

Operator: LDS
 Inst : HPN
 Multiplr: 1.00

Method : c:\HPCHEM\1\METHODS\P624.M
 Title : VOA Standards for 5 point calibration
 Last Update : Fri Dec 23 10:39:23 1994
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev (Min)
1) CI01 Bromochloromethane	11.47	128	83235	30.00	ug/l	0.13
19) 2-BROMO-1-CHLOROPROPANE	16.51	77	424581	30.00	ug/l	0.10
33) 1,4-DICHLOROBUTANE	20.08	55	337965	30.00	ug/l	0.06
System Monitoring Compounds						%Recovery
17) PENTAFLUOROBENZENE	11.06	168	342272	19.73	ug/l	65.75%
18) FLUOROBENZENE	12.99	96	463858	22.85	ug/l	76.15%
41) CS10 4-Bromofluorobenzene	20.45	95	249554	14.41	ug/l	48.02%
Target Compounds						Qvalue
6) C030 Methylene Chloride	8.25	84	30065	3.85	ug/l #	87

000017

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

2044-FB

Lab Name: NYTEST ENV INC

Contract: 9421415

Lab Code: NYTEST

Case No.: 22521

SAS No.:

SDG No.: ARMY2

Matrix: (soil/water) WATER

Lab Sample ID: 2252122

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

Lab File ID: N0273.D

Level: (low/med) LOW

Date Received: 11/10/94

% Moisture: not dec. _____

Date Analyzed: 11/16/94

Column: (pack/cap) CAP

Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
110-75-8-----	2-Chloroethylvinyl Ether_____	4	U
156-60-5-----	Trans, 1,2-Dichloroethene_____	1	U

1E
 VOLATILE ORGANICS ANALYSIS DATA SHEET
 TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

2044-FB

Lab Name: NYTEST ENV INC

Contract: 9421415

Lab Code: NYTEST

Case No.: 22521

SAS No.:

SDG No.: ARMY2

Matrix: (soil/water) WATER

Lab Sample ID: 2252122

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

Lab File ID: N0273.D

Level: (low/med) LOW

Date Received: 11/10/94

% Moisture: not dec. _____

Date Analyzed: 11/16/94

Column: (pack/cap) CAP

Dilution Factor: 1.0

Number TICs found: 1

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

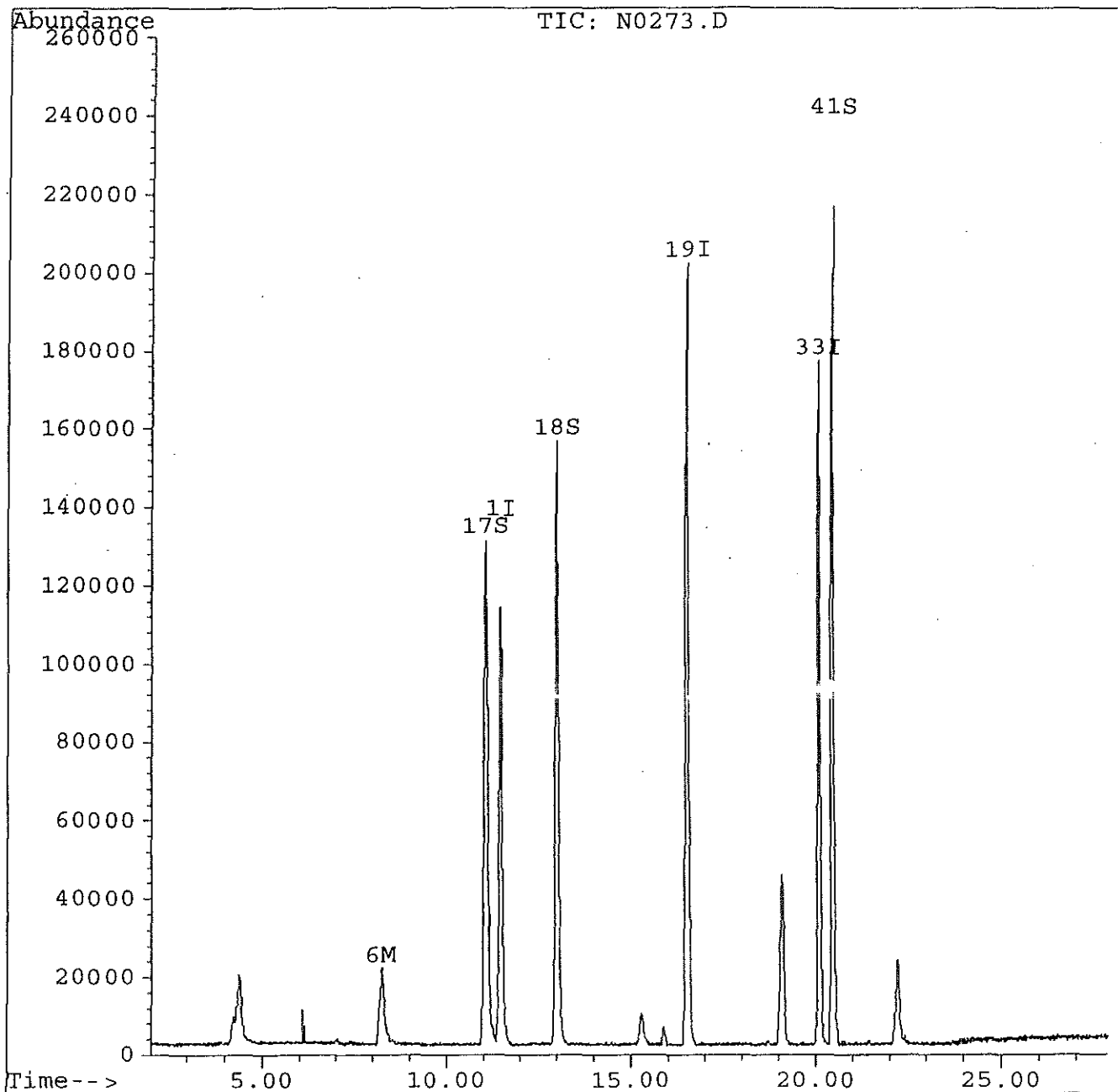
CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN SILOXANE	19.086	21	J
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
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27.				
28.				
29.				
30.				

Quantitation Report

Data File : C:\HPCHEM\1\DATA\NOV1694\N0273.D
Acq Time : 16 Nov 94 21:16 pm
Sample : 2252122,2044-FB,
Misc : 1,1,,,5,5,P624
Quant Time: Dec 23 13:39 1994

Operator: LDS
Inst : HPN
Multiplr: 1.00

Method : c:\HPCHEM\1\METHODS\P624.M
Title : VOA Standards for 5 point calibration
Last Update : Fri Dec 23 10:39:23 1994
Response via : Multiple Level Calibration



000021

Quantitation Report

Data File : C:\HPCHEM\1\DATA\NOV1694\N0273.D
 Acq Time : 16 Nov 94 21:16 pm
 Sample : 2252122,2044-FB,
 Misc : 1,1,,,5,5,P624
 Quant Time: Dec 23 13:39 1994

Operator: LDS
 Inst : HPN
 Multiplr: 1.00

Method : c:\HPCHEM\1\METHODS\P624.M
 Title : VOA Standards for 5 point calibration
 Last Update : Fri Dec 23 10:39:23 1994
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) CI01 Bromochloromethane	11.47	128	84860	30.00	ug/l	0.13
19) 2-BROMO-1-CHLOROPROPANE	16.51	77	434201	30.00	ug/l	0.10
33) 1,4-DICHLOROBUTANE	20.08	55	342146	30.00	ug/l	0.06
System Monitoring Compounds						%Recovery
17) PENTAFLUOROBENZENE	11.07	168	360485	20.38	ug/l	67.93%
18) FLUOROBENZENE	12.99	96	480412	23.21	ug/l	77.36%
41) CS10 4-Bromofluorobenzene	20.46	95	261175	14.89	ug/l	49.64%
Target Compounds						Qvalue
6) C030 Methylene Chloride	8.23	84	44959	5.65	ug/l	93

000022

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

2044-DUP

Lab Name: NYTEST ENV INC

Contract: 9421415

Lab Code: NYTEST

Case No.: 22521

SAS No.:

SDG No.: ARMY2

Matrix: (soil/water) WATER

Lab Sample ID: 2252123

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

Lab File ID: N0274.D

Level: (low/med) LOW

Date Received: 11/10/94

% Moisture: not dec. _____

Date Analyzed: 11/16/94

Column: (pack/cap) CAP

Dilution Factor: 1.0

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

110-75-8-----	2-Chloroethylvinyl Ether	4	U
156-60-5-----	Trans, 1,2-Dichloroethene	1	U

1E
 VOLATILE ORGANICS ANALYSIS DATA SHEET
 TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

2044-DUP

Lab Name: NYTEST ENV INC

Contract: 9421415

Lab Code: NYTEST

Case No.: 22521

SAS No.:

SDG No.: ARMY2

Matrix: (soil/water) WATER

Lab Sample ID: 2252123

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

Lab File ID: N0274.D

Level: (low/med) LOW

Date Received: 11/10/94

% Moisture: not dec. _____

Date Analyzed: 11/16/94

Column: (pack/cap) CAP

Dilution Factor: 1.0

Number TICs found: 0

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

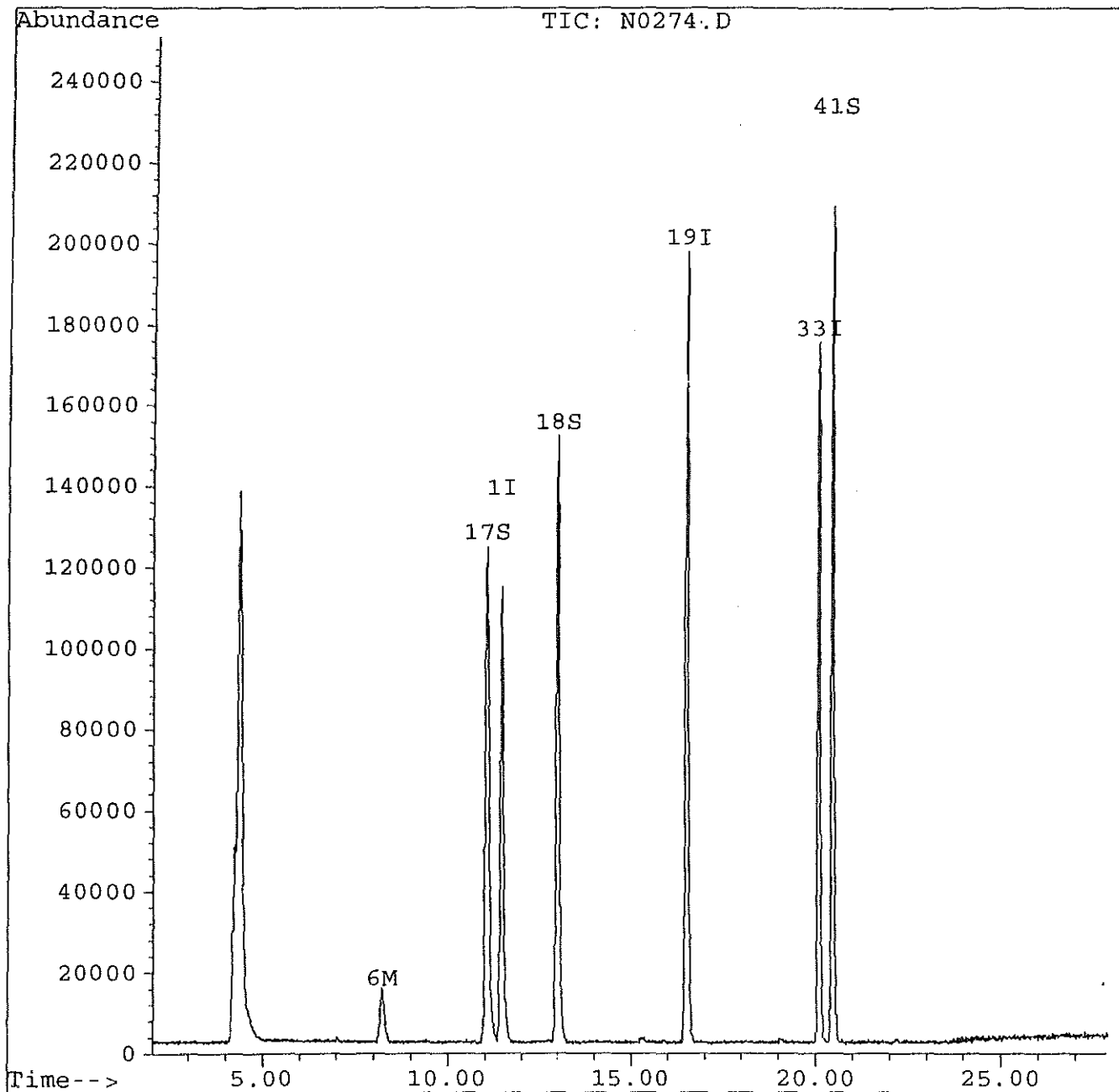
CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.				
2.				
3.				
4.				
5.				
6.				
7.				
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9.				
10.				
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30.				

Quantitation Report

Data File : C:\HPCHEM\1\DATA\NOV1694\N0274.D
Acq Time : 16 Nov 94 21:50 pm
Sample : 2252123,2044-DUP,
Misc : 1,1,,,5,5,P624
Quant Time: Dec 23 13:40 1994

Operator: LDS
Inst : HPN
Multiplr: 1.00

Method : c:\HPCHEM\1\METHODS\P624.M
Title : VOA Standards for 5 point calibration
Last Update : Fri Dec 23 10:39:23 1994
Response via : Multiple Level Calibration



000026

Quantitation Report

Data File : C:\HPCHEM\1\DATA\NOV1694\N0274.D
 Acq Time : 16 Nov 94 21:50 pm
 Sample : 2252123,2044-DUP,
 Misc : 1,1,,,5,5,P624
 Quant Time: Dec 23 13:40 1994

Operator: LDS
 Inst : HPN
 Multiplr: 1.00

Method : c:\HPCHEM\1\METHODS\P624.M
 Title : VOA Standards for 5 point calibration
 Last Update : Fri Dec 23 10:39:23 1994
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) CI01 Bromochloromethane	11.46	128	83219	30.00	ug/l	0.12
19) 2-BROMO-1-CHLOROPROPANE	16.51	77	421287	30.00	ug/l	0.10
33) 1,4-DICHLOROBUTANE	20.08	55	333592	30.00	ug/l	0.06
System Monitoring Compounds						%Recovery
17) PENTAFLUOROBENZENE	11.06	168	342319	19.73	ug/l	65.78%
18) FLUOROBENZENE	12.98	96	464627	22.89	ug/l	76.29%
41) CS10 4-Bromofluorobenzene	20.45	95	249562	14.59	ug/l	48.65%
Target Compounds						Qvalue
6) C030 Methylene Chloride	8.22	84	31016	3.98	ug/l	88

000027

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

2044-TB

Lab Name: NYTEST ENV INC Contract: 9421415

Lab Code: NYTEST Case No.: 22521 SAS No.: SDG No.: ARMY2

Matrix: (soil/water) WATER Lab Sample ID: 2252124

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: N0275.D

Level: (low/med) LOW Date Received: 11/10/94

% Moisture: not dec. _____ Date Analyzed: 11/16/94

Column: (pack/cap) CAP Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	-----Chloromethane	2	U
74-83-9	-----Bromomethane	1	U
75-01-4	-----Vinyl Chloride	1	U
75-00-3	-----Chloroethane	1	U
75-09-2	-----Methylene Chloride	5	
75-35-4	-----1,1-Dichloroethene	2	U
75-34-3	-----1,1-Dichloroethane	1	U
67-66-3	-----Chloroform	1	U
107-06-2	-----1,2-Dichloroethane	1	U
71-55-6	-----1,1,1-Trichloroethane	1	U
56-23-5	-----Carbon Tetrachloride	2	U
75-27-4	-----Bromodichloromethane	1	U
78-87-5	-----1,2-Dichloropropane	1	U
10061-01-5	-----cis-1,3-Dichloropropene	1	U
79-01-6	-----Trichloroethene	2	U
124-48-1	-----Dibromochloromethane	1	U
79-00-5	-----1,1,2-Trichloroethane	1	U
71-43-2	-----Benzene	1	U
10061-02-6	-----trans-1,3-Dichloropropene	1	U
75-25-2	-----Bromoform	1	U
127-18-4	-----Tetrachloroethene	3	U
79-34-5	-----1,1,2,2-Tetrachloroethane	2	U
108-88-3	-----Toluene	2	U
108-90-7	-----Chlorobenzene	2	U
100-41-4	-----Ethylbenzene	2	U
1330-20-7	-----Xylene (total)	6	U
75-69-4	-----Trichloromonofluoromethane	2	U
107-02-8	-----Acrolein	20	U
107-13-1	-----Acrylonitrile	2	U
75-65-0	-----Tertiary Butyl Alcohol	100	U
1634-34-4	-----Methyl Tertiary Butyl Ether	1	U
541-73-1	-----1,3-Dichlorobenzene	2	U
106-46-7	-----1,4-Dichlorobenzene	2	U
95-50-1	-----1,2-Dichlorobenzene	2	U

000028

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

2044-TB

Lab Name: NYTEST ENV INC

Contract: 9421415

Lab Code: NYTEST

Case No.: 22521

SAS No.:

SDG No.: ARMY2

Matrix: (soil/water) WATER

Lab Sample ID: 2252124

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

Lab File ID: N0275.D

Level: (low/med) LOW

Date Received: 11/10/94

% Moisture: not dec. _____

Date Analyzed: 11/16/94

Column: (pack/cap) CAP

Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
110-75-8-----	2-Chloroethylvinyl Ether	4	U
156-60-5-----	Trans, 1,2-Dichloroethene	1	U

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

2044-TB

Lab Name: NYTEST ENV INC

Contract: 9421415

Lab Code: NYTEST

Case No.: 22521

SAS No.:

SDG No.: ARMY2

Matrix: (soil/water) WATER

Lab Sample ID: 2252124

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

Lab File ID: N0275.D

Level: (low/med) LOW

Date Received: 11/10/94

% Moisture: not dec. _____

Date Analyzed: 11/16/94

Column: (pack/cap) CAP

Dilution Factor: 1.0

Number TICs found: 3

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

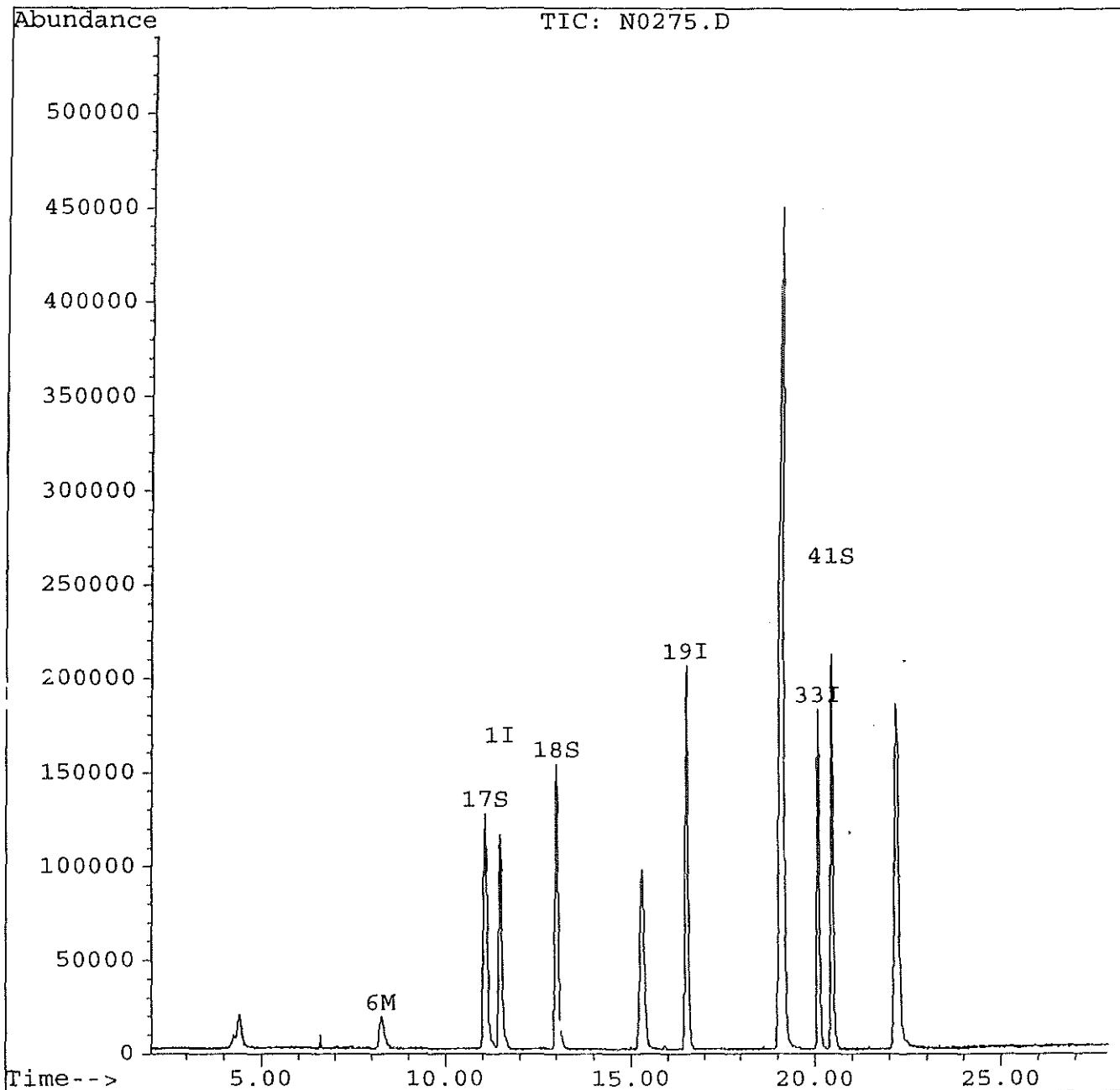
CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN SILOXANE	15.287	22	J
2.	UNKNOWN SILOXANE	19.086	130	J
3.	UNKNOWN SILOXANE	22.192	53	J
4.				
5.				
6.				
7.				
8.				
9.				
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Quantitation Report

Data File : C:\HPCHEM\1\DATA\NOV1694\N0275.D
Acq Time : 16 Nov 94 22:23 pm
Sample : 2252124,2044-TB,
Misc : 1,1,,,5,5,P624
Quant Time: Dec 23 13:40 1994

Operator: LDS
Inst : HPN
Multiplr: 1.00

Method : c:\HPCHEM\1\METHODS\P624.M
Title : VOA Standards for 5 point calibration
Last Update : Fri Dec 23 10:39:23 1994
Response via : Multiple Level Calibration



000031

Quantitation Report

Data File : C:\HPCHEM\1\DATA\NOV1694\N0275.D
 Acq Time : 16 Nov 94 22:23 pm
 Sample : 2252124,2044-TB,
 Misc : 1,1,,,5,5,P624
 Quant Time: Dec 23 13:40 1994

Operator: LDS
 Inst : HPN
 Multiplr: 1.00

Method : c:\HPCHEM\1\METHODS\P624.M
 Title : VOA Standards for 5 point calibration
 Last Update : Fri Dec 23 10:39:23 1994
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev (Min)
1) CI01 Bromochloromethane	11.47	128	84765	30.00	ug/l	0.13
19) 2-BROMO-1-CHLOROPROPANE	16.51	77	434031	30.00	ug/l	0.10
33) 1,4-DICHLOROBUTANE	20.08	55	343943	30.00	ug/l	0.07
System Monitoring Compounds						%Recovery
17) PENTAFLUOROBENZENE	11.07	168	342895	19.41	ug/l	64.69%
18) FLUOROBENZENE	12.99	96	469441	22.70	ug/l	75.68%
41) CS10 4-Bromofluorobenzene	20.45	95	249354	14.14	ug/l	47.15%
Target Compounds						Qvalue
6) C030 Methylene Chloride	8.24	84	38202	4.81	ug/l	91

000032

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLKN04

Lab Name: NYTEST ENV INC

Contract: 9421415

Lab Code: NYTEST

Case No.: 22521

SAS No.:

SDG No.: ARMY2

Matrix: (soil/water) WATER

Lab Sample ID: VBLKN04

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

Lab File ID: N0199.D

Level: (low/med) LOW

Date Received: 00/00/00

% Moisture: not dec. _____

Date Analyzed: 11/14/94

Column: (pack/cap) CAP

Dilution Factor: 1.0

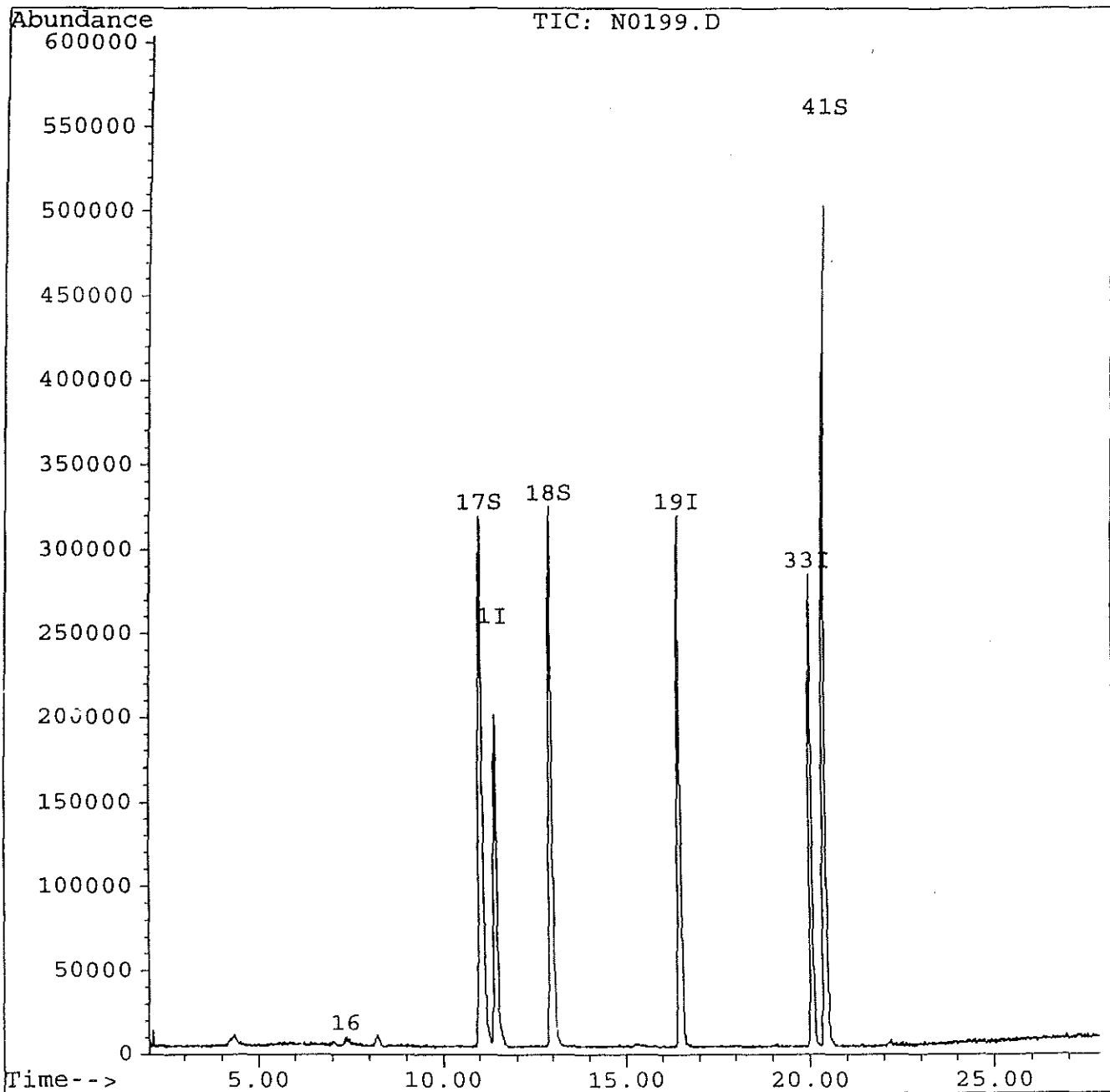
CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
110-75-8-----	2-Chloroethylvinyl Ether	4	U
156-60-5-----	Trans, 1,2-Dichloroethene	1	U

Quantitation Report

Data File : C:\HPCHEM\1\DATA\NOV1494\N0199.D
Acq Time : 14 Nov 94 11:31 am
Sample : VBLKN04,VBLKN04,
Misc : 1,,,,5,5,P624
Quant Time: Dec 8 12:08 1994

Operator: LDS
Inst : HPN
Multiplr: 1.00

Method : c:\HPCHEM\1\METHODS\P624.M
Title : VOA Standards for 5 point calibration
Last Update : Tue Dec 06 02:26:13 1994
Response via : Multiple Level Calibration



000035

Quantitation Report

Data File : C:\HPCHEM\1\DATA\NOV1494\N0199.D
 Acq Time : 14 Nov 94 11:31 am
 Sample : VBLKN04,VBLKN04,
 Misc : 1,,,,5,5,P624
 Quant Time: Dec 8 12:08 1994

Operator: LDS
 Inst : HPN
 Multiplr: 1.00

Method : c:\HPCHEM\1\METHODS\P624.M
 Title : VOA Standards for 5 point calibration
 Last Update : Tue Dec 06 02:26:13 1994
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev (Min)
1) CI01 Bromochloromethane	11.44	128	174658	30.00	ug/l	-0.04
19) 2-BROMO-1-CHLOROPROPANE	16.49	77	681811	30.00	ug/l	-0.01
33) 1,4-DICHLOROBUTANE	20.06	55	538079	30.00	ug/l	-0.02
						%Recovery
System Monitoring Compounds						
17) PENTAFLUOROBENZENE	11.04	168	890793	24.47	ug/l	81.55%
18) FLUOROBENZENE	12.97	96	1052247	24.70	ug/l	82.33%
41) CS10 4-Bromofluorobenzene	20.44	95	620849	22.51	ug/l	75.03%
						Qvalue
Target Compounds						
16) C177 TERTIARY BUTYL ALCOHO	7.38	59	29563	6.85	ug/l	100

000036

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLKN09

Lab Name: NYTEST ENV INC Contract: 9421415

Lab Code: NYTEST Case No.: 22521 SAS No.: SDG No.: ARMY2

Matrix: (soil/water) WATER Lab Sample ID: VBLKN09

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: N0260.D

Level: (low/med) LOW Date Received: 00/00/00

% Moisture: not dec. _____ Date Analyzed: 11/16/94

Column: (pack/cap) CAP Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	-----Chloromethane		2 U
74-83-9	-----Bromomethane		1 U
75-01-4	-----Vinyl Chloride		1 U
75-00-3	-----Chloroethane		1 U
75-09-2	-----Methylene Chloride		3 U
75-35-4	-----1,1-Dichloroethene		2 U
75-34-3	-----1,1-Dichloroethane		1 U
67-66-3	-----Chloroform		1 U
107-06-2	-----1,2-Dichloroethane		1 U
71-55-6	-----1,1,1-Trichloroethane		1 U
56-23-5	-----Carbon Tetrachloride		2 U
75-27-4	-----Bromodichloromethane		1 U
78-87-5	-----1,2-Dichloropropane		1 U
10061-01-5	-----cis-1,3-Dichloropropene		1 U
79-01-6	-----Trichloroethene		2 U
124-48-1	-----Dibromochloromethane		1 U
79-00-5	-----1,1,2-Trichloroethane		1 U
71-43-2	-----Benzene		1 U
10061-02-6	-----trans-1,3-Dichloropropene		1 U
75-25-2	-----Bromoform		1 U
127-18-4	-----Tetrachloroethene		3 U
79-34-5	-----1,1,2,2-Tetrachloroethane		2 U
108-88-3	-----Toluene		2 U
108-90-7	-----Chlorobenzene		2 U
100-41-4	-----Ethylbenzene		2 U
1330-20-7	-----Xylene (total)		6 U
75-69-4	-----Trichloromonofluoromethane		2 U
107-02-8	-----Acrolein		20 U
107-13-1	-----Acrylonitrile		2 U
75-65-0	-----Tertiary Butyl Alcohol		100 U
1634-34-4	-----Methyl Tertiary Butyl Ether		1 U
541-73-1	-----1,3-Dichlorobenzene		2 U
106-46-7	-----1,4-Dichlorobenzene		2 U
95-50-1	-----1,2-Dichlorobenzene		2 U

000037

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLKN09

Lab Name: NYTEST ENV INC

Contract: 9421415

Lab Code: NYTEST

Case No.: 22521

SAS No.:

SDG No.: ARMY2

Matrix: (soil/water) WATER

Lab Sample ID: VBLKN09

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

Lab File ID: N0260.D

Level: (low/med) LOW

Date Received: 00/00/00

% Moisture: not dec. _____

Date Analyzed: 11/16/94

Column: (pack/cap) CAP

Dilution Factor: 1.0

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

110-75-8-----	2-Chloroethylvinyl Ether	4	U
156-60-5-----	Trans, 1,2-Dichloroethene	1	U

000038

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

VBLKN09

Lab Name: NYTEST ENV INC

Contract: 9421415

Lab Code: NYTEST

Case No.: 22521

SAS No.:

SDG No.: ARMY2

Matrix: (soil/water) WATER

Lab Sample ID: VBLKN09

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

Lab File ID: N0260.D

Level: (low/med) LOW

Date Received: 00/00/00

% Moisture: not dec. _____

Date Analyzed: 11/16/94

Column: (pack/cap) CAP

Dilution Factor: 1.0

Number TICs found: 0

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

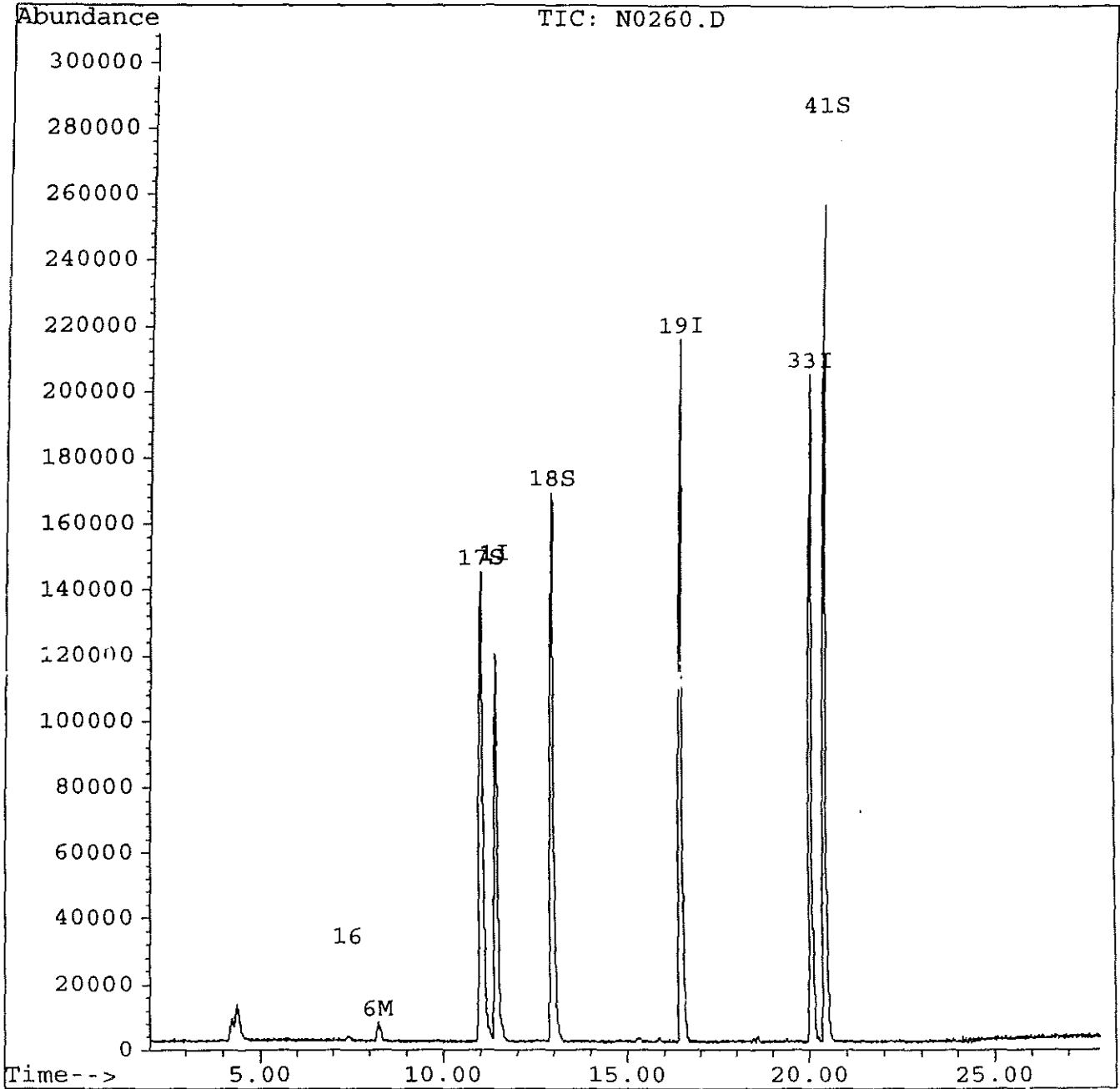
CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.				
2.				
3.				
4.				
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Quantitation Report

Data File : C:\HPCHEM\1\DATA\NOV1694\N0260.D
Acq Time : 16 Nov 94 12:50 pm
Sample : VBLKN09,VBLKN09,
Misc : 1,,,,5,5,P624
Quant Time: Dec 13 10:33 1994

Operator: LDS
Inst : HPN
Multiplr: 1.00

Method : c:\HPCHEM\1\METHODS\P624.M
Title : VOA Standards for 5 point calibration
Last Update : Tue Dec 06 02:26:13 1994
Response via : Multiple Level Calibration



000040

Quantitation Report

Data File : C:\HPCHEM\1\DATA\NOV1694\N0260.D
 Acq Time : 16 Nov 94 12:50 pm
 Sample : VBLKN09,VBLKN09,
 Misc : 1,,,,5,5,P624
 Quant Time: Dec 13 10:33 1994

Operator: LDS
 Inst : HPN
 Multiplr: 1.00

Method : c:\HPCHEM\1\METHODS\P624.M
 Title : VOA Standards for 5 point calibration
 Last Update : Tue Dec 06 02:26:13 1994
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) CI01 Bromochloromethane	11.45	128	90130	30.00	ug/l	-0.03
19) 2-BROMO-1-CHLOROPROPANE	16.49	77	462306	30.00	ug/l	-0.02
33) 1,4-DICHLOROBUTANE	20.07	55	297489	30.00	ug/l	0.00
						%Recovery
System Monitoring Compounds						
17) PENTAFLUOROBENZENE	11.05	168	408059	21.72	ug/l	72.40%
18) FLUOROBENZENE	12.97	96	523093	23.79	ug/l	79.31%
41) CS10 4-Bromofluorobenzene	20.44	95	312928	20.52	ug/l	68.40%
						Qvalue
Target Compounds						
6) C030 Methylene Chloride	8.24	84	11950	1.41	ug/l #	81
16) C177 TERTIARY BUTYL ALCOHO	7.39	59	5274	2.37	ug/l	100

000041

2A
WATER VOLATILE SURROGATE COMPOUND RECOVERY

Lab Name: NYTEST ENV INC

Contract: 9421415

Lab Code: NYTEST

Case No.: 22521

SAS No.:

SDG No.: ARMY2

	EPA SAMPLE NO.	SUR1 (FB) #	SUR2 (BFB) #	SUR3 (PFB) #	OTHER	TOT OUT
	=====	=====	=====	=====	=====	=====
01	QCCKECK	86	82	87		0
02	VBLKN04	93	85	92		0
03	814-FB	82	71	79		0
04	814-TB	84	68	82		0
05	814-DUP	85	66	83		0
06	814-1	85	66	82		0
07	287-1	84	69	81		0
08	208B-1	83	60	81		0
09	282-1	85	60	83		0
10	207B-1	85	57*	83		1
11	689A-1	85	58*	83		1
12	600-1	85	55*	82		1
13	2700-4-1	86	58*	83		1
14	QCCKECK1	105	73	96		0
15	QCCKECK2	108	73	98		0
16	VBLKN09	90	78	82		0
17	1220-1	78	55*	62*		2
18	1076-1	75	66	59*		1
19	1076-2	74	66	58*		1
20	1076-3	74	63	58*		1
21	1076-3MS	86	56*	76		1
22	1076-3MSD	88	58*	78		1
23	689B-2	85	61	75		0
24	2044-1	80	54*	76		1
25	2044-2	90	56*	77		1
26	2044-3	86	56*	74		1
27	2044-FB	88	56*	77		1
28	2044-DUP	86	55*	74		1
29	2044-TB	86	56*	73		1
30	QCSAMPLE	95	94	83		0

QC LIMITS

SUR1 (FB) = Fluorobenzene (70-140)
 SUR2 (BFB) = Bromofluorobenzene (60-150)
 SUR3 (PFB) = Pentafluorobenzene (70-140)

Column to be used to flag recovery values

* Values outside of contract required QC limits

D Surrogates diluted out

nytest

RECOVERY REPORT

Client Name: Client SDG: ARMY2
 Sample Matrix: LIQUID Fraction: VOA
 Lab Smp Id: 2252116 Client Smp ID: 1076-3MS
 Level: LOW Operator: LDS
 Data Type: MS DATA SampleType: MS
 SpikeList File: QCMS.spk Quant Type: ISTD
 Method File: /chem/HPN.i/22521.b/624.m
 Misc Info:

SPIKE COMPOUND	CONC ADDED ug/l	CONC RECOVERED ug/l	% RECOVERED	LIMITS
1 Chloromethane	10	11	110.60	0-2/3
4 Bromomethane	10	14	135.23	0-242
5 Vinyl Chloride	10	12	116.93	0-251
6 Chloroethane	10	15	149.12	14-230
7 Methylene Chloride	10	16	163.06	0-221
10 1,1-Dichloroethene	10	14	136.32	0-234
12 1,1-Dichloroethane	10	16	165.89*	59-155
14 Trans, 1,2-Dichlor	10	14	140.82	54-156
15 Chloroform	10	16	159.29*	51-138
16 1,2-Dichloroethane	10	17	173.16*	49-155
19 Trichloromonofluor	10	12	117.60	17-181
24 1,1,1-Trichloroeth	10	10	99.89	52-162
25 Carbon Tetrachlori	10	8	84.59	70-140
27 Bromodichlorometha	10	11	107.00	35-155
28 1,2-Dichloropropan	10	12	119.61	0-210
29 cis-1,3-Dichloropr	10	12	122.87	0-227
30 Trichloroethene	10	7	74.97	71-157
31 Dibromochlorometha	10	8	79.23	53-149
32 1,1,2-Trichloroeth	10	10	105.90	52-150
34 Benzene	10	11	111.45	37-151
35 trans-1,3-Dichloro	10	12	121.20	17-183
37 Bromoform	10	10	103.02	45-169
38 2-Chloroethylvinyl	10	12	119.62	0-305
41 Tetrachloroethene	10	8	77.99	64-148
43 1,1,2,2-Tetrachlor	10	12	117.32	46-157
45 Toluene	10	11	109.40	47-150
46 Chlorobenzene	10	8	82.31	37-160
47 Ethylbenzene	10	8	77.74	37-162
53 1,3-Dichlorobenzen	10	8	81.00	59-156
54 1,4-Dichlorobenzen	10	7	69.36	18-190
55 1,2-Dichlorobenzen	10	9	94.70	18-190

000043

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RECOVERY REPORT

Client Name: Client SDG: ARMY2
 Sample Matrix: LIQUID Fraction: VOA
 Lab Smp Id: 2252117 Client Smp ID: 1076-3MSD
 Level: LOW Operator: LDS
 Data Type: MS DATA SampleType: MSD
 SpikeList File: QCMS.spk Quant Type: ISTD
 Method File: /chem/HPN.i/22521.b/624.m
 Misc Info:

SPIKE COMPOUND	CONC ADDED ug/l	CONC RECOVERED ug/l	% RECOVERED	LIMITS
1 Chloromethane	10	12	120.81	0-273
4 Bromomethane	10	15	148.02	0-242
5 Vinyl Chloride	10	13	126.10	0-251
6 Chloroethane	10	15	154.94	14-230
7 Methylene Chloride	10	16	163.35	0-221
10 1,1-Dichloroethene	10	15	146.59	0-234
12 1,1-Dichloroethane	10	18	178.39*	59-155
14 Trans, 1,2-Dichlor	10	15	150.72	54-156
15 Chloroform	10	17	170.55*	51-138
16 1,2-Dichloroethane	10	18	184.36*	49-155
19 Trichloromonofluor	10	13	128.64	17-181
24 1,1,1-Trichloroeth	10	11	108.28	52-162
25 Carbon Tetrachlori	10	9	92.05	70-140
27 Bromodichlorometha	10	12	115.51	35-155
28 1,2-Dichloropropan	10	13	130.63	0-210
29 cis-1,3-Dichloropr	10	13	129.96	0-227
30 Trichloroethene	10	8	79.12	71-157
31 Dibromochlorometha	10	8	85.02	53-149
32 1,1,2-Trichloroeth	10	11	112.58	52-150
34 Benzene	10	12	120.08	37-151
35 trans-1,3-Dichloro	10	13	130.16	17-183
37 Bromoform	10	11	108.84	45-169
38 2-Chloroethylvinyl	10	13	130.64	0-305
41 Tetrachloroethene	10	8	85.95	64-148
43 1,1,2,2-Tetrachlor	10	13	126.56	46-157
45 Toluene	10	12	118.92	47-150
46 Chlorobenzene	10	9	90.91	37-160
47 Ethylbenzene	10	9	87.47	37-162
53 1,3-Dichlorobenzen	10	9	90.03	59-156
54 1,4-Dichlorobenzen	10	8	77.62	18-190
55 1,2-Dichlorobenzen	10	10	103.41	18-190

000044

4A
VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VBLKN09

Lab Name: NYTEST ENV INC

Contract: 9421415

Lab Code: NYTEST

Case No.: 22521

SAS No.:

SDG No.: ARMY2

Lab File ID: N0260.D

Lab Sample ID: VBLKN09

Date Analyzed: 11/16/94

Time Analyzed: 1250

Matrix: (soil/water) WATER

Level: (low/med) LOW

Instrument ID: HPN

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

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
	=====	=====	=====	=====
01	QCCKECK1	QCCKECK1	N0257.D	1109
02	QCCKECK2	QCCKECK2	N0259.D	1216
03	1220-1	2252112	N0263.D	1543
04	1076-1	2252113	N0264.D	1616
05	1076-2	2252114	N0265.D	1649
06	1076-3	2252115	N0266.D	1723
07	1076-3MS	2252116	N0267.D	1756
08	1076-3MSD	2252117	N0268.D	1829
09	689B-2	2252118	N0269.D	1903
10	2044-1	2252119	N0270.D	1936
11	2044-2	2252120	N0271.D	2009
12	2044-3	2252121	N0272.D	2043
13	2044-FB	2252122	N0273.D	2116
14	2044-DUP	2252123	N0274.D	2150
15	2044-TB	2252124	N0275.D	2223
16	QCSAMPLE	QCSAMPLE	N0276.D	2256
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COMMENTS:

5A
VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: NYTEST ENV INC

Contract: 9421415

Lab Code: NYTEST

Case No.: 22521

SAS No.:

SDG No.: ARMY2

Lab File ID: N0256.D

BFB Injection Date: 11/16/94

Instrument ID: HPN

BFB Injection Time: 1054

Matrix: (soil/water) WATER Level: (low/med) LOW Column: (pack/cap) CAP

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	16.7
75	30.0 - 60.0% of mass 95	43.6
95	Base peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	7.3
173	Less than 2.0% of mass 174	0.0 (0.0)1
174	Greater than 50.0% of mass 95	64.9
175	5.0 - 9.0% of mass 174	5.1 (7.9)1
176	Greater than 95.0%, but less than 101.0% of mass 174	63.6 (98.0)1
177	5.0 - 9.0% of mass 176	4.0 (6.3)2

1-Value is % mass 174

2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	QCCKECK1	QCCKECK1	N0257.D	11/16/94	1109
02	QCCKECK2	QCCKECK2	N0259.D	11/16/94	1216
03	VBLKN09	VBLKN09	N0260.D	11/16/94	1250
04	1220-1	2252112	N0263.D	11/16/94	1543
05	1076-1	2252113	N0264.D	11/16/94	1616
06	1076-2	2252114	N0265.D	11/16/94	1649
07	1076-3	2252115	N0266.D	11/16/94	1723
08	1076-3MS	2252116	N0267.D	11/16/94	1756
09	1076-3MSD	2252117	N0268.D	11/16/94	1829
10	689B-2	2252118	N0269.D	11/16/94	1903
11	2044-1	2252119	N0270.D	11/16/94	1936
12	2044-2	2252120	N0271.D	11/16/94	2009
13	2044-3	2252121	N0272.D	11/16/94	2043
14	2044-FB	2252122	N0273.D	11/16/94	2116
15	2044-DUP	2252123	N0274.D	11/16/94	2150
16	2044-TB	2252124	N0275.D	11/16/94	2223
17	QCSAMPLE	QCSAMPLE	N0276.D	11/16/94	2256
18					
19					
20					
21					
22					

6A
VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: NYTEST ENV INC

Contract: 9421415

Lab Code: NYTEST

Case No.: 22509

SAS No.:

SDG No.: ARMY1

Instrument ID: HPN

Calibration Date(s): 11/08/94

Matrix: (soil/water) WATER Level: (low/med) LOW Column: (pack/cap) CAP

Max %RSD for CCC(*) = 35.0%

LAB FILE ID:	RRF005 =N0165.D	RRF010 =N0166.D	RRF030 =N0167.D	RRF050 =N0168.D	RRF200 =N0169.D	RRF	% RSD
Chloromethane	1.569	1.346	1.370	1.315	1.288	1.378	8.1
Bromomethane	1.967	1.807	1.716	1.642	1.596	1.746	8.4
Vinyl Chloride	1.965	1.785	1.822	1.747	1.789	1.821	4.6
Chloroethane	1.133	1.109	1.001	1.021	0.975	1.048	6.6
Methylene Chloride	3.913	2.873	2.154	2.030	1.854	2.565	33.0
1,1-Dichloroethene	2.105	1.877	1.918	1.889	1.855	1.929	5.2
1,1-Dichloroethane	3.845	3.464	3.518	3.485	3.589	3.580	4.3
Chloroform	4.126	3.689	3.562	3.506	3.588	3.694	6.8
1,2-Dichloroethane	2.024	1.859	1.799	1.741	1.835	1.852	5.7
1,1,1-Trichloroethane	0.939	0.857	0.859	0.827	0.866	0.869	4.8
Carbon Tetrachloride	0.814	0.736	0.760	0.751	0.778	0.768	3.9
Bromodichloromethane	1.081	0.977	0.971	0.953	1.010	0.998	5.1
1,2-Dichloropropane	0.722	0.658	0.658	0.647	0.686	0.674	4.5
cis-1,3-Dichloropropene	0.983	0.873	0.869	0.846	0.897	0.893	5.9
Trichloroethene	0.712	0.643	0.653	0.652	0.669	0.666	4.1
Dibromochloromethane	0.883	0.816	0.812	0.803	0.843	0.831	3.9
1,1,2-Trichloroethane	0.629	0.570	0.564	0.548	0.578	0.578	5.3
Benzene	1.788	1.593	1.612	1.576	1.647	1.643	5.2
trans-1,3-Dichloropropene	0.792	0.710	0.708	0.688	0.726	0.725	5.5
Bromoform	0.709	0.646	0.644	0.645	0.565	0.642	7.9
Tetrachloroethene	0.921	0.805	0.826	0.835	0.902	0.858	5.9
1,1,2,2-Tetrachloroethane	1.209	1.036	1.013	0.986	0.000	1.061	9.5
Toluene	2.017	1.801	1.774	1.746	1.820	1.832	5.8
Chlorobenzene	2.021	1.789	1.801	1.797	1.970	1.876	5.9
Ethylbenzene	0.976	0.823	0.799	0.835	0.905	0.868	8.3
Xylene (total)	1.192	1.065	1.058	1.066	1.152	1.106	5.5
Trichloromonofluoromethane	3.860	3.429	3.389	3.310	3.404	3.479	6.3
Acrolein	0.139	0.100	0.096	0.087	0.072	0.099	25.4
Acrylonitrile	0.792	0.744	0.714	0.764	0.695	0.742	5.2
Tertiary Butyl Alcohol	1.994	1.821	3.284	3.221	1.915	2.447	30.2
Methyl Tertiary Butyl Ether	4.512	4.110	3.702	3.671	3.551	3.909	10.2
1,3-Dichlorobenzene	1.776	1.527	1.544	1.574	1.335	1.551	10.1
1,4-Dichlorobenzene	1.808	1.663	1.553	1.722	1.257	1.600	13.3
1,2-Dichlorobenzene	1.663	1.436	1.449	1.469	0.000	1.504	7.1
2-Chloroethylvinyl Ether	0.722	0.658	0.658	0.647	0.686	0.674	4.5
Trans, 1,2-Dichloroethene	2.270	1.921	1.880	1.838	1.838	1.950	9.4
Fluorobenzene	7.222	6.388	6.218	6.099	6.397	6.465	6.8

000048

6A
VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: NYTEST ENV INC

Contract: 9421415

Lab Code: NYTEST

Case No.: 22509

SAS No.:

SDG No.: ARMY1

Instrument ID: HPN

Calibration Date(s): 11/08/94

Matrix: (soil/water) WATER Level: (low/med) LOW Column: (pack/cap) CAP

Max %RSD for CCC(*) = 35.0%

LAB FILE ID:	RRF005 =N0165.D	RRF010 =N0166.D
RRF030=N0167.D	RRF050=N0168.D	RRF200=N0169.D

COMPOUND	RRF005	RRF010	RRF030	RRF050	RRF200	RRF	% RSD
=====	=====	=====	=====	=====	=====	=====	=====
Bromofluorobenzene	1.548	1.324	1.291	1.240	1.371	1.355	8.7
Pentafluorobenzene	6.013	5.464	5.291	5.277	5.534	5.516	5.4

000049

nytest

RECOVERY REPORT

Client Name: Client SDG: ARMY2
 Sample Matrix: LIQUID Fraction: VOA
 Lab Smp Id: QCCHECK Client Smp ID: QCCHECK
 Level: LOW Operator: LDS
 Data Type: MS DATA SampleType: MS
 SpikeList File: QCCHK.spk Quant Type: ISTD
 Method File: /chem/HPN.i/22521.b/624.m
 Misc Info:

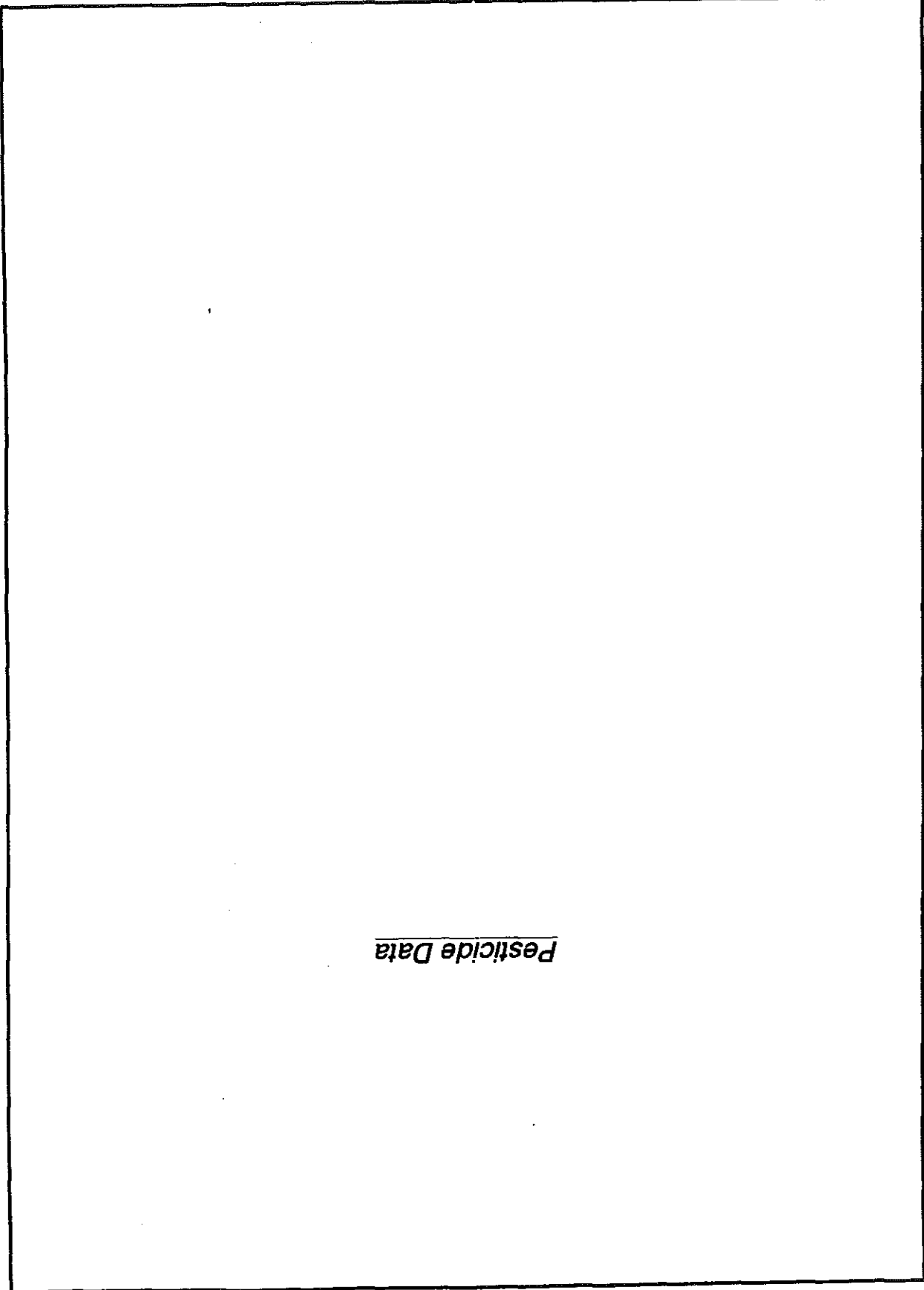
SPIKE COMPOUND	CONC ADDED ug/l	CONC RECOVERED ug/l	% RECOVERED	LIMITS
1 Chloromethane	10	9	93.65	0-204
4 Bromomethane	10	12	120.55	14-186
5 Vinyl Chloride	10	9	93.76	4-196
6 Chloroethane	10	12	117.23	38-162
7 Methylene Chloride	10	13	128.27	60-140
10 1,1-Dichloroethene	10	12	115.97	50-150
12 1,1-Dichloroethane	10	12	121.88	72-128
14 Trans, 1,2-Dichlor	10	12	121.73	70-130
15 Chloroform	10	13	129.64	68-132
16 1,2-Dichloroethane	10	13	129.33	68-132
19 Trichloromonofluor	10	11	108.43	48-152
24 1,1,1-Trichloroeth	10	12	123.83	75-125
25 Carbon Tetrachlori	10	12	120.99	73-127
27 Bromodichlorometha	10	12	123.55	66-134
28 1,2-Dichloropropan	10	12	123.82	34-166
29 cis-1,3-Dichloropr	10	13	128.31	24-176
30 Trichloroethene	10	12	119.42	66-134
31 Dibromochlorometha	10	12	124.96	68-132
32 1,1,2-Trichloroeth	10	12	124.50	71-129
34 Benzene	10	12	123.90	64-136
35 trans-1,3-Dichloro	10	13	128.05	50-150
37 Bromoform	10	13	130.91*	71-129
38 2-Chloroethylvinyl	10	12	123.83	0-224
41 Tetrachloroethene	10	11	114.93	74-126
43 1,1,2,2-Tetrachlor	10	13	133.01	60-140
45 Toluene	10	13	126.54*	74-126
46 Chlorobenzene	10	12	118.24	66-134
47 Ethylbenzene	10	12	117.79	59-141
53 1,3-Dichlorobenzen	10	12	124.53	73-127
54 1,4-Dichlorobenzen	10	11	108.55	63-137
55 1,2-Dichlorobenzen	10	15	148.69*	63-127

000050

GC Data

000001

000002



Pesticide Data

1. Name of the Pesticide
2. Chemical Name
3. Trade Name
4. Manufacturer
5. EPA Registration Number
6. EPA Pesticide Code
7. EPA Pesticide Category
8. EPA Pesticide Subcategory
9. EPA Pesticide Group
10. EPA Pesticide Subgroup
11. EPA Pesticide Class
12. EPA Pesticide Subclass
13. EPA Pesticide Type
14. EPA Pesticide Subtype
15. EPA Pesticide Use
16. EPA Pesticide Subuse
17. EPA Pesticide Application
18. EPA Pesticide Subapplication
19. EPA Pesticide Target
20. EPA Pesticide Subtarget
21. EPA Pesticide Mode of Action
22. EPA Pesticide Submode of Action
23. EPA Pesticide Resistance
24. EPA Pesticide Subresistance
25. EPA Pesticide Resistance Mechanism
26. EPA Pesticide Subresistance Mechanism
27. EPA Pesticide Resistance Management
28. EPA Pesticide Subresistance Management
29. EPA Pesticide Resistance Monitoring
30. EPA Pesticide Subresistance Monitoring
31. EPA Pesticide Resistance Assessment
32. EPA Pesticide Subresistance Assessment
33. EPA Pesticide Resistance Mitigation
34. EPA Pesticide Subresistance Mitigation
35. EPA Pesticide Resistance Prevention
36. EPA Pesticide Subresistance Prevention
37. EPA Pesticide Resistance Eradication
38. EPA Pesticide Subresistance Eradication
39. EPA Pesticide Resistance Control
40. EPA Pesticide Subresistance Control
41. EPA Pesticide Resistance Elimination
42. EPA Pesticide Subresistance Elimination
43. EPA Pesticide Resistance Reduction
44. EPA Pesticide Subresistance Reduction
45. EPA Pesticide Resistance Avoidance
46. EPA Pesticide Subresistance Avoidance
47. EPA Pesticide Resistance Minimization
48. EPA Pesticide Subresistance Minimization
49. EPA Pesticide Resistance Elimination
50. EPA Pesticide Subresistance Elimination

8080PEST - FORM 1
NYTEST ENVIRONMENTAL INC.

TCL PESTICIDE ORGANICS ANALYSIS DATA SHEET

SAMPLE MATRIX: WATER SAMPLE ID: 2044-1
CONC. LEVEL: LOW LAB SAMPLE ID: 2252119
EXTRACTION DATE: 11/12/94 DIL FACTOR: 1.00
ANALYSIS DATE: 11/24/94 † MOISTURE: NA

UG/L

CMPD #	CAS Number	PESTICIDE COMPOUNDS	UG/L
1	319-84-6	alpha-BHC	0.05 U
2	319-85-7	beta-BHC	0.05 U
3	319-86-8	delta-BHC	0.05 U
4	58-89-9	gamma-BHC(Lindane)	0.05 U
5	76-44-8	Heptachlor	0.05 U
6	309-00-2	Aldrin	0.05 U
7	1024-57-3	Heptachlor Epoxide	0.05 U
8	959-98-8	Endosulfan I	0.05 U
9	60-57-1	Dieldrin	0.10 U
10	72-55-9	4,4'-DDE	0.10 U
11	70-20-8	Endrin	0.10 U
12	33213-65-9	Endosulfan II	0.10 U
13	72-54-8	4,4'-DDD	0.10 U
14	1031-07-8	Endosulfan Sulfate	0.74
15	50-29-3	4,4'-DDT	0.10 U
16	72-43-5	Methoxychlor	0.50 U
17	53494-70-5	Endrin Ketone	0.10 U
18	7421-36-3	Endrin Aldehyde	0.10 U
19	5103-71-9	alpha-Chlordane	0.05 U
20	5103-74-2	gamma-Chlordane	0.05 U
21	8001-35-2	Toxaphene	1.0 U

000003

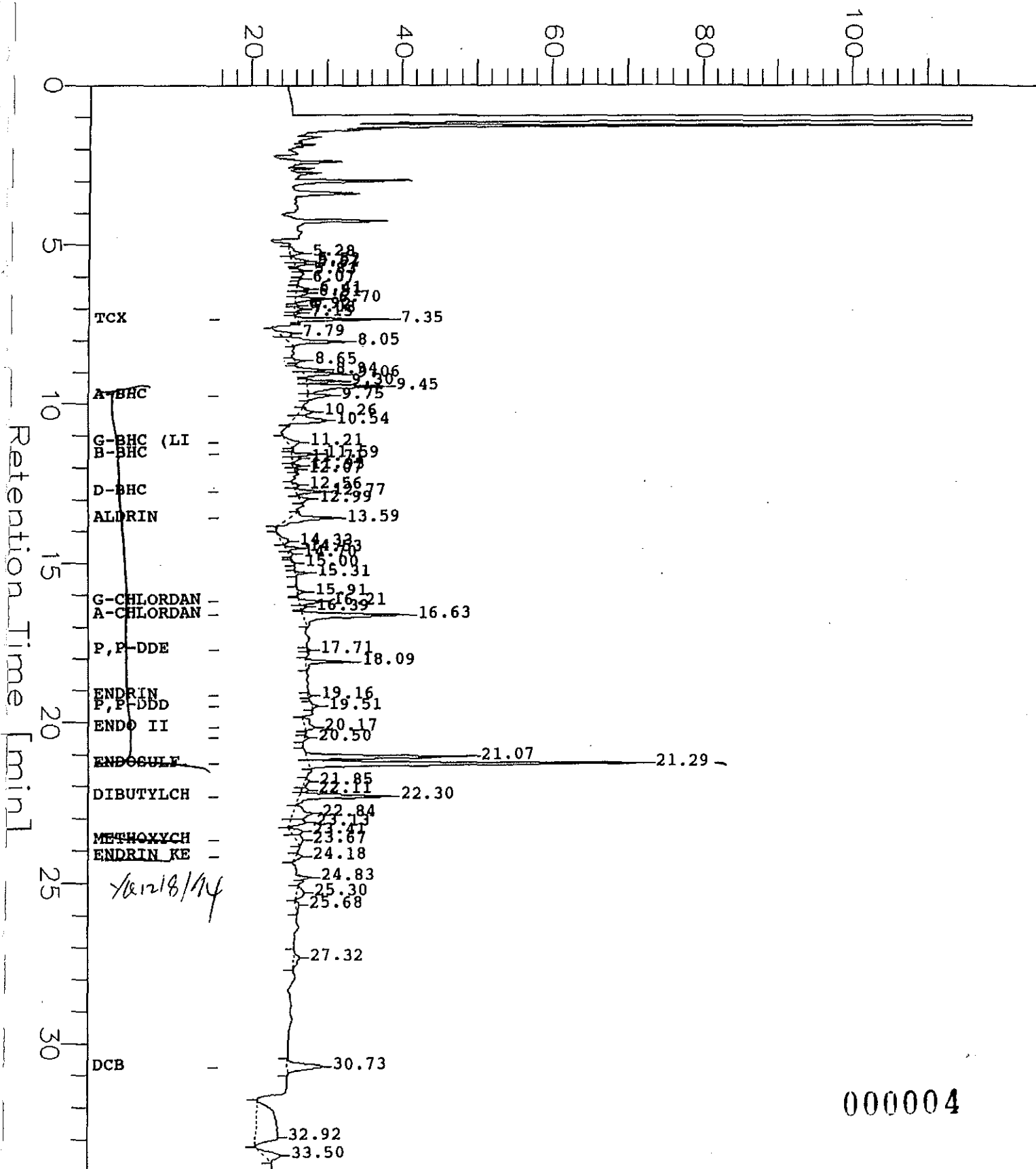
Sample Name : 2252119
FileName : c:\2700\data0\182B089.raw
Method : 5890.inw
Start Time : 0.00 min
Scale Factor: -1

End Time : 34.00 min
Plot Offset: 16 mV

Sample #: 2044-1
Date : 12/7/94 22:23
Time of Injection: 11/24/94 17:44
Low Point : 15.77 mV
High Point : 115.77 mV
Plot Scale: 100 mV

10

1.0UL INJ/COLUMN [mV]



000004

Software Version: 3.2 <16C20>

Sample Name : 2252119

Time : 12/7/94 22:23

Sample Number: 2044-1

Study : 11/12

Operator :

Instrument : 970-1: HP1_(5890)

Channel : B

A/D mV Range : 1000

AutoSampler : NONE

Blank/Vial : 0/0

Interface Serial # : 9161570932 Data Acquisition Time: 11/24/94 17:44

Delay Time : 0.00 min.

End Time : 34.00 min.

Sampling Rate : 2.0000 pts/sec

Raw Data File : c:\2700\data0\182B089.raw

Result File : c:\2700\data0\182B089.rst

Instrument File: c:\2700\data\5890.ins

Process File : c:\2700\data\902.prc

Sample File : c:\2700\data\179BC.smp

Sequence File : C:\2700\DATA0\182.seq

Inj. Volume : 1 ul

Area Reject : 4000.00

Sample Amount : 1000.0000

Dilution Factor : 1.00

PEST-PCB REPORT HP-50+

1-B HP-50+ 30M X 0.53MM ID 150 C, 275 C

Peak	Ret Time [min]	Area [uV-sec]	Height [uV]	BL	Area/NG CAL FACT.	Amount ng/ul	Amount ppb(Wet)	Amount (ppb Dry)	Component Name	Comments NC/CON/<DL
	5.28	14597	1748	BB	100000	0.1460	1.460			
	5.52	11992	1947	BV	100000	0.1199	1.199			
	5.61	7459	1563	VB	100000	0.0746	0.746			
	6.41	9060	1671	BV	100000	0.0906	0.906			
7	6.51	10800	1591	VV	100000	0.1080	1.080			
	6.70	24361	4378	VV	100000	0.2436	2.436			
	7.03	5842	1124	VV	100000	0.0584	0.584			
	7.35	53122	12557	BB	5445377	0.0098	0.098		TCX 209/10	
	7.79	16643	1828	BV	100000	0.1664	1.664			
14	8.05	50399	7809	VB	100000	0.5040	5.040			
	8.65	4987	1268	BB	100000	0.0499	0.499			
	8.94	18757	3411	BV	100000	0.1876	1.876			
	9.06	27170	5885	VB	100000	0.2717	2.717			
	9.30	22669	4607	BV	100000	0.2267	2.267			
19	9.45	72622	10482	VV	100000	0.7262	7.262			
	9.75	22024	3138	VB	6623642	0.0033	0.033		a-BHC ✓	
	10.26	17013	1947	BV	100000	0.1701	1.701			
	10.54	45583	4546	VB	100000	0.4558	4.558			
	11.21	17203	1615	BB	5780098	0.0030	0.030		g-BHC (LINDANE) ✓	
24	11.59	14213	3286	BV	3769799	0.0038	0.038		b-BHC ✓	
	11.71	9346	1199	VB	100000	0.0935	0.935			
	11.95	4501	1066	BV	100000	0.0450	0.450			
	12.56	4758	721	BV	100000	0.0476	0.476			
	12.77	22593	3523	VB	5234532	0.0043	0.043		d-BHC ✓	
30	12.99	8257	1252	BB	100000	0.0826	0.826			
	13.59	54792	6300	BB	5642617	0.0097	0.097		ALDRIN ✓	
	14.33	11975	918	BB	100000	0.1198	1.198			
	14.53	8803	1714	BV	100000	0.0880	0.880			
	15.31	7301	1576	BB	100000	0.0730	0.730			
37	15.91	5386	985	BB	100000	0.0539	0.539			
	16.21	21354	3208	BV	5969064	0.0036	0.036		g-CHLORDANE ✓	
	16.63	103188	13937	BB	6206390	0.0166	0.166		a-CHLORDANE ✓	
	18.09	31504	6096	BB	100000	0.3150	3.150			
	19.51	4285	856	BB	2850727	0.0015	0.015		p,p-DDD ✓	
45	20.17	19639	1229	BB	3889966	0.0051	0.051		ENDO II ✓	
	21.07	125728	22005	BV	100000	1.2573	12.573			
	21.29	262716	45003	VB	3531676	0.0744	0.744		ENDOSULF. SULFATE ✓	
	21.85	6331	604	BV	100000	0.0633	0.633			
	22.11	5699	850	VV	100000	0.0570	0.570			
51	22.30	88448	12156	VV	3251917	0.0272	0.272		DIBUTYLCHLORENDATE ✓	

000005

22.84	42255	2613 VV	100000	0.4226	4.226
23.13	19518	2213 VB	100000	0.1952	1.952
23.41	16293	1546 BV	100000	0.1629	1.629
23.67	14758	920 VB	1991583	0.0074	0.074
24.18	7690	932 BB	4139222	0.0019	0.019
24.83	5732	1328 BB	100000	0.0573	0.573
25.30	16142	969 BB	100000	0.1614	1.614
25.68	5352	399 BB	100000	0.0535	0.535
27.32	13307	792 BB	100000	0.1331	1.331
30.73	51490	4668 BB	5886404	0.0088	0.088
32.92	180354	2991 BB	100000	1.8035	18.035
33.50	33284	2285 BB	100000	0.3328	3.328

METHOXYCHLOR *cnl*
 ENDRIN KETONE *cnl*

DCB 1870

 1679293 223252 9.3980 93.980

=====
 NC=NOT CONFIRMED; CON=CONFIRMED; PREPARED BY *V. B. M. S. M. C.* REVIEWED BY *A. C.*
 =====

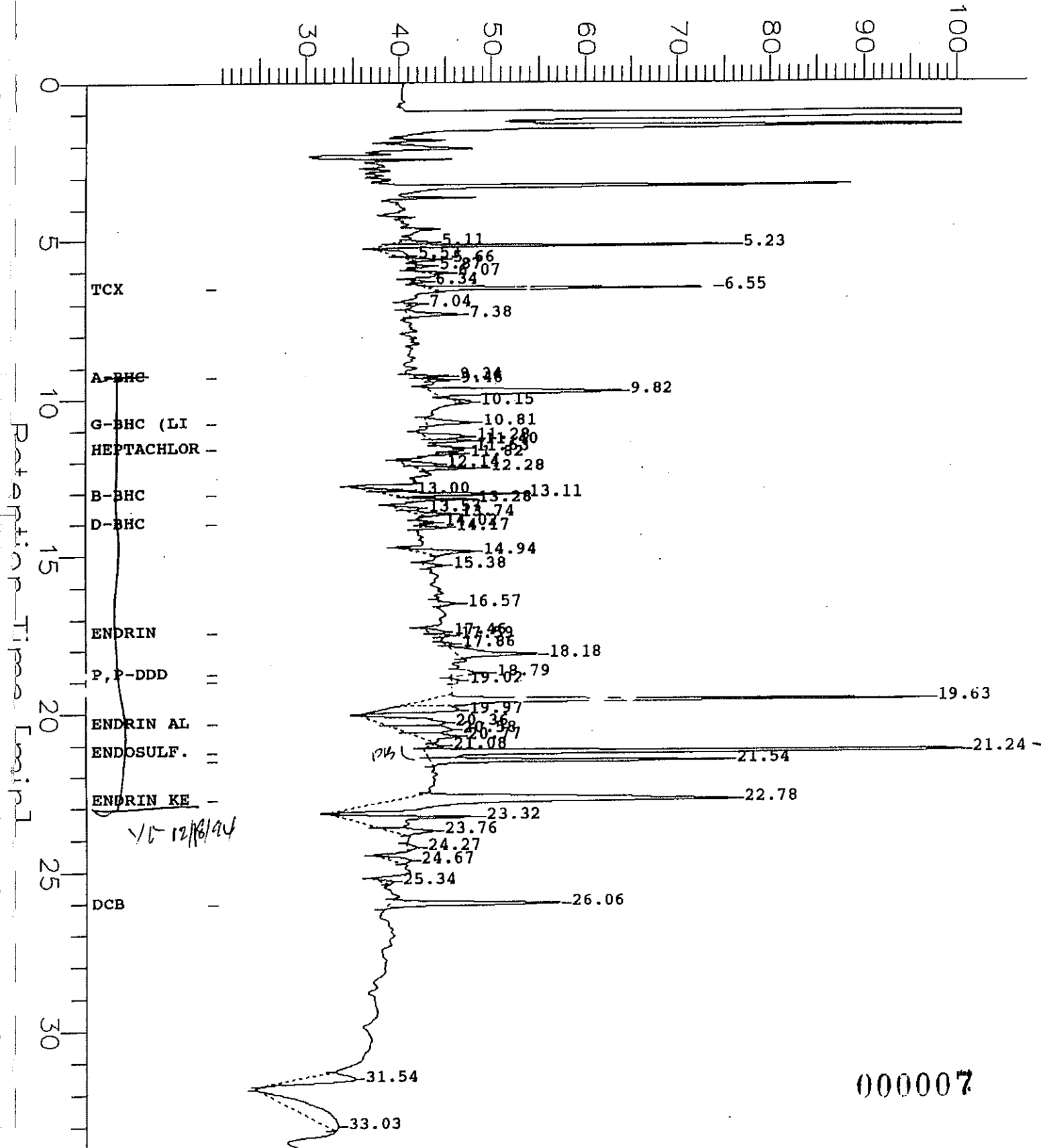
HP1-A DB-1701 0.53MM

Sample Name : 2252119
 File Name : c:\2700\data0\182A089.raw
 Method : 5890.ins
 Start Time : 0.00 min
 Scale Factor : -1

End Time : 34.00 min
 Plot Offset: 21 mV

Sample #: 2044-1
 Date : 12/18/94 12:01
 Time of Injection: 11/24/94 17:44
 Low Point : 20.46 mV
 High Point : 100.46 mV
 Plot Scale: 80 mV

1.0UL INJ / COLUMN [mV]



000007

42	20.77	44780	4274 VB	100000	0.4478	4.478
43	21.08	5798	1606 BB	100000	0.0580	0.580
44	21.24	503764	88729 BV	8880549	0.0567	0.567
45	21.54	163232	31896 VB	6669569	0.0245	0.245
46	22.78	526355	36630 BB	7601674	0.0692	0.692
47	23.32	162098	14561 BV	100000	1.6210	16.210
48	23.76	44023	4623 VB	100000	0.4402	4.402
49	24.27	8627	1144 BB	100000	0.0863	0.863
50	24.67	21042	2014 BB	100000	0.2104	2.104
51	25.34	10214	1313 BB	100000	0.1021	1.021
52	26.06	130723	18408 BB	10098000	0.0130	0.130
53	31.54	95871	6406 BB	100000	0.9587	9.587
54	33.03	163869	1266 BB	100000	1.6387	16.387

ENDOSULF. SULFATE > 10L CON.
 DIBUTYLCHLORENDATE
 ENDRIKIN-KETONE

DCB

 3650342 493207 19.3224 193.224

=====
 IC=NOT CONFIRMED; CON=CONFIRMED; PREPARED BY *y/w/17/94* REVIEWED BY. *AO*
 =====

8080PEST - FORM 1
NYTEST ENVIRONMENTAL INC.

TCL PESTICIDE ORGANICS ANALYSIS DATA SHEET

SAMPLE MATRIX: WATER . SAMPLE ID: 2044-2
CONC. LEVEL: LOW LAB SAMPLE ID: 2252120
EXTRACTION DATE: 11/12/94 DIL FACTOR: 1.00
ANALYSIS DATE: 11/24/94 % MOISTURE: NA

UG/L

CMPD #	CAS Number	PESTICIDE COMPOUNDS	
1	319-84-6	alpha-BHC	0.05 U
2	319-85-7	beta-BHC	0.05 U
3	319-86-8	delta-BHC	0.05 U
4	58-89-9	gamma-BHC(Lindane)	0.05 U
5	76-44-8	Heptachlor	0.05 U
6	309-00-2	Aldrin	0.05 U
7	1024-57-3	Heptachlor Epoxide	0.05 U
8	959-98-8	Endosulfan I	0.05 U
9	60-57-1	Dieldrin	0.10 U
10	72-55-9	4,4'-DDE	0.10 U
11	70-20-8	Endrin	0.10 U
12	33213-65-9	Endosulfan II	0.10 U
13	72-54-8	4,4'-DDD	0.10 U
14	1031-07-8	Endosulfan Sulfate	0.10 U
15	50-29-3	4,4'-DDT	0.10 U
16	72-43-5	Methoxychlor	0.50 U
17	53494-70-5	Endrin Ketone	0.10 U
18	7421-36-3	Endrin Aldehyde	0.10 U
19	5103-71-9	alpha-Chlordane	0.05 U
20	5103-74-2	gamma-Chlordane	0.05 U
21	8001-35-2	Toxaphene	1.0 U

000010

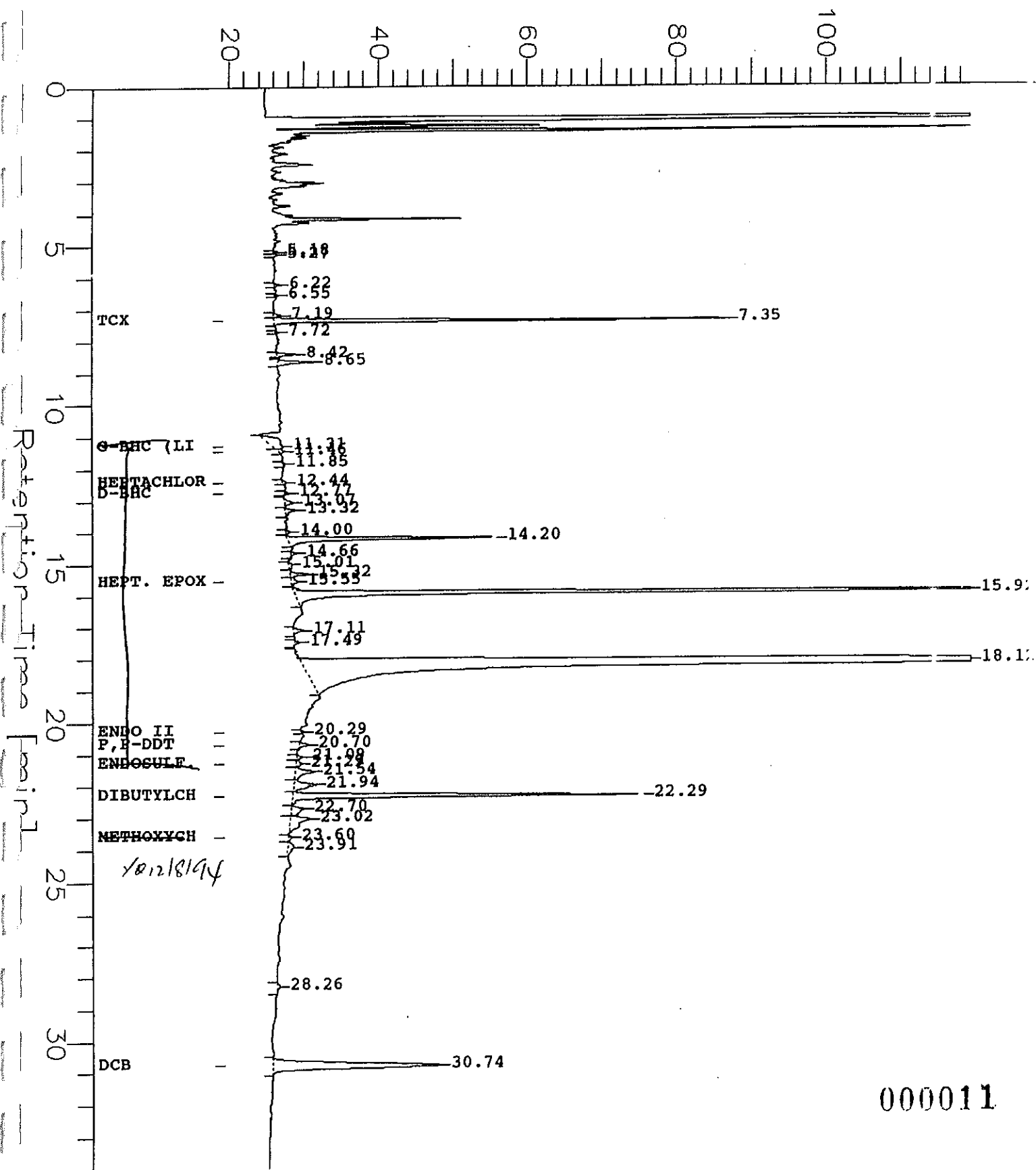
Sample Name : 2252120
FileName : c:\2700\data0\182B083.raw
Method : 5890.ins
Start Time : 0.00 min
Scale Factor: -1

End Time : 34.00 min
Plot Offset: 19 mV

Sample #: 2044-2
Date : 11/25/94 12:36
Time of Injection: 11/24/94 13:13
Low Point : 19.27 mV
High Point : 119.27 mV
Plot Scale: 100 mV

70

1.0UL INJ/COLUMN [mV]



Retention Time (min)

10/2/8/94

Software Version: 3.2 <16C20>

Sample Name : 2252120

Time : 11/25/94 12:36

Sample Number: 2044-2

Study : 11/12

Operator :

Instrument : 970-1: HP1_(5890)

Channel : B

A/D mV Range : 1000

AutoSampler : NONE

Rack/Vial : 0/0

Interface Serial # : 9161570932

Data Acquisition Time: 11/24/94 13:13

Delay Time : 0.00 min.

End Time : 34.00 min.

Sampling Rate : 2.0000 pts/sec

Raw Data File : c:\2700\data0\182B083.raw

Result File : c:\2700\data0\182B083.rst

Instrument File: c:\2700\data\5890.ins

Process File : c:\2700\data\902.prc

Sample File : c:\2700\data\179BC.smp

Sequence File : c:\2700\data0\182.seq

Inj. Volume : 1 ul

Area Reject : 4000.00

Sample Amount : 1000.0000

Dilution Factor : 1.00

PEST-PCB REPORT HP-50+

HP1-B HP-50+ 30M X 0.53MM ID 150 C, 275 C

Peak #	Ret Time [min]	Area [uV-sec]	Height [uV]	BL	Area/NG CAL FACT.	Amount ng/ul	Amount ppb(Wet)	Amount (ppb Dry)	Component Name	Comments NC/CON/<DL
5	7.19	5083	1046	BV	100000	0.0508	0.508			
6	7.35	258070	60884	VB	5445377	0.0474	0.474		TCX	95% b
8	8.42	11033	2454	BB	100000	0.1103	1.103			
9	8.65	23209	4781	BB	100000	0.2321	2.321			
10	11.31	37312	1346	BV	5780098	0.0065	0.065		g-BHC (LINDANE)	N/C.
11	11.46	5082	806	VB	3769799	0.0014	0.014		b-BHC	ML
15	13.07	7716	1101	BV	100000	0.0072	0.772			
16	13.32	9700	1538	VB	100000	0.0070	0.970			
18	14.20	154584	28128	BB	100000	1.5458	15.458			
20	15.01	4509	429	BV	100000	0.0451	0.451			
21	15.32	14209	2491	VV	100000	0.1421	1.421			
22	15.55	8184	892	VB	5797530	0.0014	0.014		HEPT. EPOX	ML
23	15.92	672092	129239	BB	100000	6.7209	67.209			
24	17.11	7821	1312	BB	100000	0.0782	0.782			
26	18.12	7523788	922743	BB	100000	75.2379	752.379			
28	20.70	6888	1226	BB	3396273	0.0020	0.020		p,p-DDT	ML
29	21.09	4917	833	BV	100000	0.0492	0.492			
30	21.29	7073	727	VV	3531676	0.0020	0.020		ENDOSULF. SULFATE	ML
31	21.54	25256	2462	VV	100000	0.2526	2.526			
32	21.94	31315	3034	VV	100000	0.3132	3.132			
33	22.29	264878	47227	VV	3251917	0.0815	0.815		DIBUTYLCHLORENDAEE	82% /0
34	22.70	20493	1753	VV	100000	0.2049	2.049			
35	23.02	42988	2732	VB	100000	0.4299	4.299			
37	23.91	11998	814	VB	100000	0.1200	1.200			
39	30.74	248266	22433	BB	5886404	0.0422	0.422		DCB	24% /12
		9406460	1242430.			85.8913	858.913			

NC=NOT CONFIRMED; CON=CONFIRMED; PREPARED BY *12/28/94* REVIEWED BY *A..*

000012

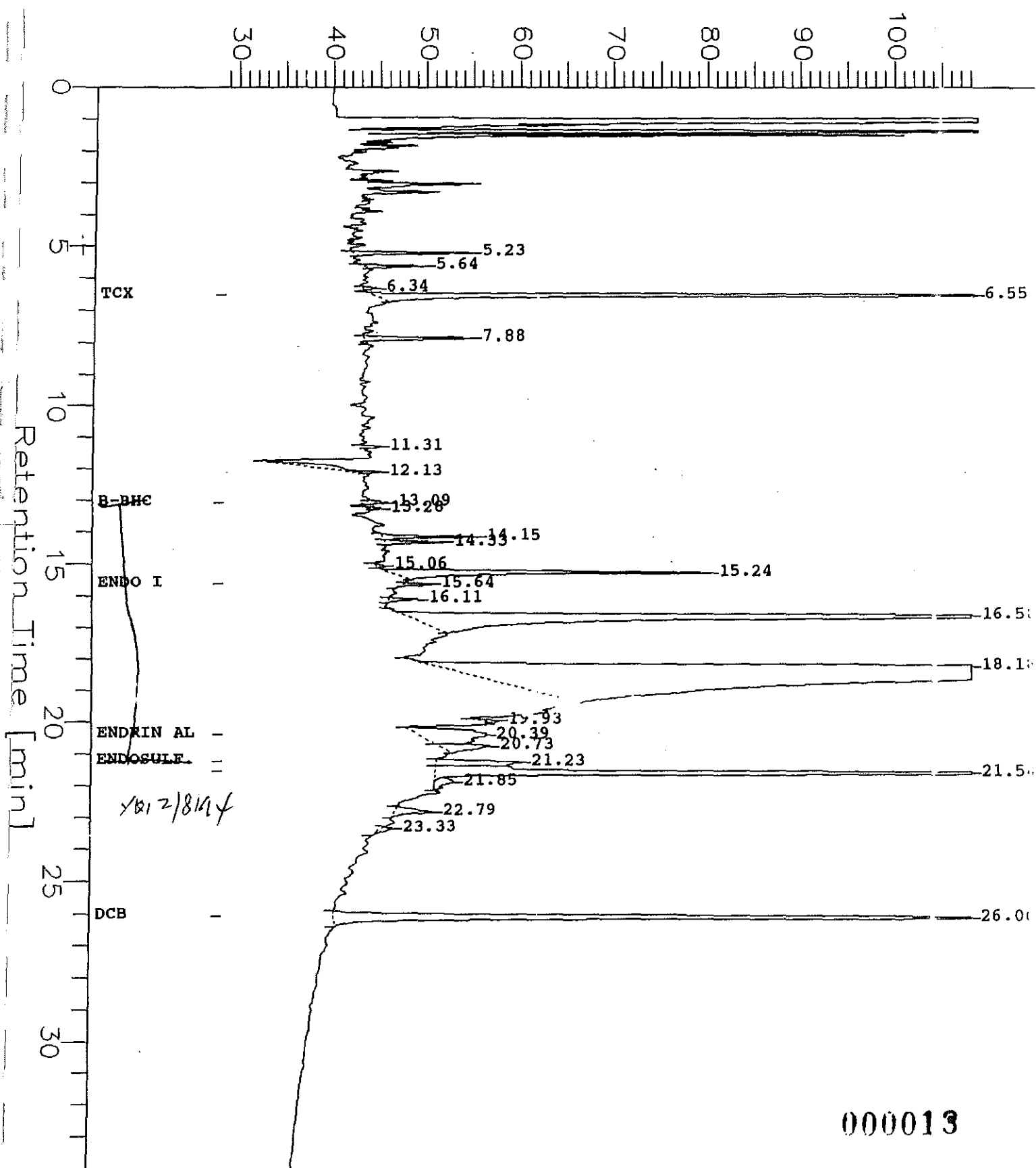
17

Sample Name : 2252120
FileName : c:\2700\data0\182A083.raw
Method : 5890.ins
Start Time : 0.00 min
Scale Factor : -1

End Time : 34.00 min
Plot Offset: 29 mV

Sample #: 2044-2
Date : 11/25/94 12:36
Time of Injection: 11/24/94 13:13
Low Point : 28.76 mV
High Point : 108.76 mV
Plot Scale: 80 mV

1.0UL INJ / COLUMN [mV]



Software Version: 3.2 <16C20>

Sample Name : 2252120

Time : 11/25/94 12:36

Sample Number: 2044-2

Study : 11/12

Operator :

Instrument : 970-1: HP1_(5890)

Channel : A A/D mV Range : 1000

AutoSampler : NONE

Rack/Vial : 0/0

Interface Serial # : 9161570932 Data Acquisition Time: 11/24/94 13:13

Delay Time : 0.00 min.

End Time : 34.00 min.

Sampling Rate : 2.0000 pts/sec

Raw Data File : c:\2700\data0\182A083.raw

Result File : c:\2700\data0\182A083.rst

Instrument File: c:\2700\data\5890.ins

Process File : c:\2700\data\901.prc

Sample File : c:\2700\data\179AC.smp

Sequence File : c:\2700\data0\182.seq

Inj. Volume : 1 ul

Area Reject : 4000.00

Sample Amount : 1000.0000

Dilution Factor : 1.00

PEST-PCB REPORT DB-1701

P1-A DB-1701 30M X 0.53 MM ID 150 C,275 C

Peak #	Ret Time [min]	Area [uV-sec]	Height [uV]	BL	Area/NG CAL FACT.	Amount ng/ul	Amount ppb(Wet)	Amount (ppb Dry)	Component Name	Comments NC/CON/<DL
1	5.23	47290	12685	BB	100000	0.4729	4.729			
2	5.64	25341	6617	BB	100000	0.2534	2.534			
3	6.34	4956	1395	BB	100000	0.0496	0.496			
4	6.55	649117	152088	BB	11131000	0.0583	0.583		TCX 117%	
5	7.88	50353	11602	BB	100000	0.5035	5.035			
6	11.31	6289	1588	BB	100000	0.0629	0.629			
7	12.13	57069	2709	BB	100000	0.5707	5.707			
8	13.07	12984	2543	BB	7788740	0.0017	0.017		b-BHE	
9	13.28	5265	1084	BB	100000	0.0527	0.527			
10	14.15	48481	10115	BV	100000	0.4848	4.848			
11	14.33	26896	6383	VB	100000	0.2690	2.690			
12	15.06	4994	927	BB	100000	0.0499	0.499			
13	15.24	227197	34632	BB	100000	2.2720	22.720			
14	15.64	13451	3220	BB	12419000	0.0011	0.011		ENDO I	
15	16.11	14367	3275	BB	100000	0.1437	1.437			
16	16.58	1354476	174187	BB	100000	13.5448	135.448			
17	18.18	8428257	879554	BB	100000	84.2826	842.826			
18	19.93	9047	1569	BB	100000	0.0905	0.905			
19	20.39	166221	7082	BV	5179112	0.0321	0.321		ENDRIN ALDEHYDE	
20	20.73	55684	5387	VB	100000	0.5568	5.568			
21	21.23	81693	9143	BV	8880549	0.0092	0.092		ENDOSULF. SULFATE	
22	21.54	943266	178470	VE	6669569	0.1414	1.414		DIBUTYLCHLORENDATE	1419
23	21.85	24895	2077	EB	100000	0.2490	2.490			16
24	22.79	37476	4219	BB	100000	0.3748	3.748			
25	23.33	9878	1251	BB	100000	0.0988	0.988			
26	26.06	666398	88059	BB	10098000	0.0660	0.660		DCB 132%	
		12971339	1601862			104.6919	1.046e3			

C=NOT CONFIRMED; CON=CONFIRMED; PREPARED BY 11/24/94 REVIEWED BY 11/25/94

000014

8080PEST - FORM 1
NYTEST ENVIRONMENTAL INC.

TCL PESTICIDE ORGANICS ANALYSIS DATA SHEET

SAMPLE MATRIX: WATER . SAMPLE ID: 2044-3
CONC. LEVEL: LOW LAB SAMPLE ID: 2252121
EXTRACTION DATE: 11/12/94 DIL FACTOR: 1.00
ANALYSIS DATE: 11/24/94 % MOISTURE:NA

UG/L

CMPD #	CAS Number	PESTICIDE COMPOUNDS	UG/L
1	319-84-6	alpha-BHC	0.05 U
2	319-85-7	beta-BHC	0.05 U
3	319-86-8	delta-BHC	0.05 U
4	58-89-9	gamma-BHC(Lindane)	0.05 U
5	76-44-8	Heptachlor	0.05 U
6	309-00-2	Aldrin	0.05 U
7	1024-57-3	Heptachlor Epoxide	0.05 U
8	959-98-8	Endosulfan I	0.05 U
9	60-57-1	Dieldrin	0.10 U
10	72-55-9	4,4'-DDE	0.10 U
11	70-20-8	Endrin	0.10 U
12	33213-65-9	Endosulfan II	0.10 U
13	72-54-8	4,4'-DDD	0.10 U
14	1031-07-8	Endosulfan Sulfate	0.10 U
15	50-29-3	4,4'-DDT	0.10 U
16	72-43-5	Methoxychlor	0.50 U
17	53494-70-5	Endrin Ketone	0.10 U
18	7421-36-3	Endrin Aldehyde	0.10 U
19	5103-71-9	alpha-Chlordane	0.05 U
20	5103-74-2	gamma-Chlordane	0.05 U
21	8001-35-2	Toxaphene	1.0 U

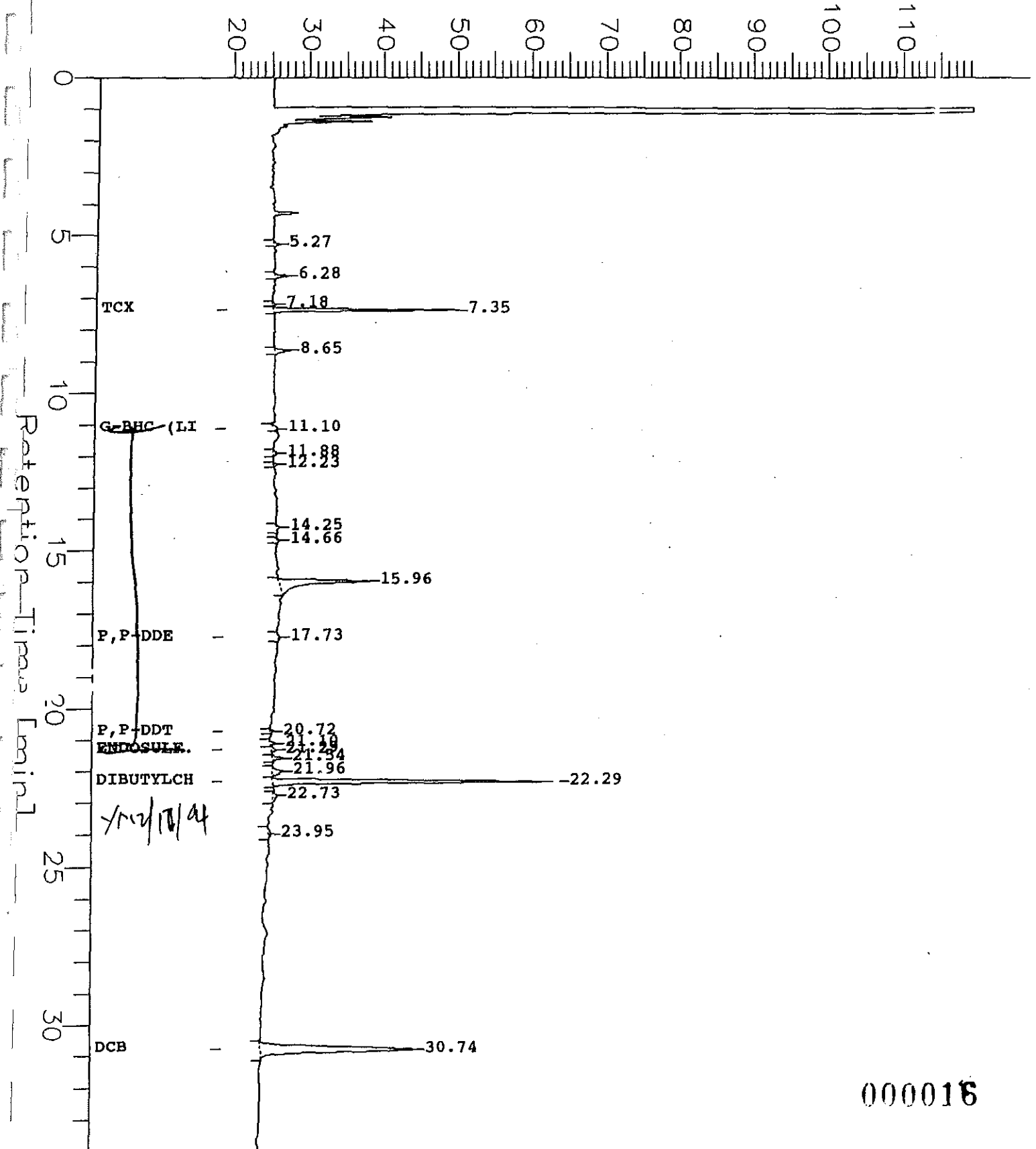
000015

Sample Name : 2252121
FileName : c:\2700\data0\182B084.raw
Method : 5890.ins
Start Time : 0.00 min
Scale Factor : -1

End Time : 34.00 min
Plot Offset : 19 mV

Sample #: 2044-3
Date : 11/25/94 12:37
Time of Injection: 11/24/94 13:58
Low Point : 19.35 mV
High Point : 119.35 mV
Plot Scale: 100 mV

1.0UL INJ/COLUMN [mV]



```

=====
Software Version: 3.2 <16C20>
Sample Name   : 2252121           Time       : 11/25/94  12:37
Sample Number : 2044-3           Study      : 11/12
Operator      :
Instrument    : 970-1:_HP1_(5890) Channel   : B       A/D mV Range : 1000
AutoSampler  : NONE
Back/Vial    : 0/0
=====

```

```

Interface Serial # : 9161570932  Data Acquisition Time: 11/24/94  13:58
Delay Time        : 0.00   min.
End Time          : 34.00  min.
Sampling Rate     : 2.0000 pts/sec
=====

```

```

Raw Data File   : c:\2700\data0\182B084.raw
Result File     : c:\2700\data0\182B084.rst
Instrument File  : c:\2700\data\5890.ins
Process File    : c:\2700\data\902.prc
Sample File     : c:\2700\data\179BC.smp
Sequence File   : c:\2700\data0\182.seq
=====

```

```

Inj. Volume    : 1 ul           Area Reject   : 4000.00
Sample Amount  : 1000.0000     Dilution Factor : 1.00
=====

```

PEST-PCB REPORT HP-50+

```

=====
P1-B HP-50+ 30M X 0.53MM ID 150 C, 275 C
=====

```

Peak #	Ret Time [min]	Area [uV-sec]	Height [uV]	BL	Area/NG CAL FACT.	Amount ng/ul	Amount ppb(Wet)	Amount (ppb Dry)	Component Name	Comments NC/CON/<DL
2	6.28	7929	1785	BB	100000	0.0793	0.793			
4	7.35	105570	24887	VB	5445377	0.0194	0.194		TCX	34%
5	8.65	10219	2044	BB	100000	0.1022	1.022			
6	11.10	4258	428	BB	5780098	0.0007	0.007		g-BHC (LINDANE)	nil
11	15.96	109086	12339	BB	100000	1.0909	10.909			
4	21.10	4322	696	BV	100000	0.0432	0.432			
5	21.29	4814	671	VV	3531676	0.0014	0.014		ENDOSULF. SULFATE	ML
6	21.74	7681	1383	VB	100000	0.768	7.68			
7	21.96	13247	1400	BB	100000	0.1325	1.325			
18	22.29	216516	38573	BB	3251917	0.0666	0.666		DIBUTYLCHLORENDATE	67%
9	22.73	6287	568	BB	100000	0.0629	0.629			6
0	23.95	4927	391	BB	100000	0.0493	0.493			
1	30.74	235964	20792	BB	5886404	0.0401	0.401		DCB	8.0%
		730820	105955			1.7651	17.651			

```

=====
NC=NOT CONFIRMED; CON=CONFIRMED; PREPARED BY: [Signature] REVIEWED BY: [Signature]
=====

```


8080PEST - FORM 1
NYTEST ENVIRONMENTAL INC.

TCL PESTICIDE ORGANICS ANALYSIS DATA SHEET

SAMPLE MATRIX: WATER SAMPLE ID: 2044-FB
CONC. LEVEL: LOW LAB SAMPLE ID: 2252122
EXTRACTION DATE: 11/12/94 DIL FACTOR: 1.00
ANALYSIS DATE: 11/24/94 % MOISTURE: NA
UG/L

CMPD #	CAS Number	PESTICIDE COMPOUNDS	UG/L
1	319-84-6	alpha-BHC	0.05 U
2	319-85-7	beta-BHC	0.05 U
3	319-86-8	delta-BHC	0.05 U
4	58-89-9	gamma-BHC(Lindane)	0.05 U
5	76-44-8	Heptachlor	0.05 U
6	309-00-2	Aldrin	0.05 U
7	1024-57-3	Heptachlor Epoxide	0.05 U
8	959-98-8	Endosulfan I	0.05 U
9	60-57-1	Dieldrin	0.10 U
10	72-55-9	4,4'-DDE	0.10 U
11	70-20-8	Endrin	0.10 U
12	33213-65-9	Endosulfan II	0.10 U
13	72-54-8	4,4'-DDD	0.10 U
14	1031-07-8	Endosulfan Sulfate	0.10 U
15	50-29-3	4,4'-DDT	0.10 U
16	72-43-5	Methoxychlor	0.50 U
17	53494-70-5	Endrin Ketone	0.10 U
18	7421-36-3	Endrin Aldehyde	0.10 U
19	5103-71-9	alpha-Chlordane	0.05 U
20	5103-74-2	gamma-Chlordane	0.05 U
21	8001-35-2	Toxaphene	1.0 U

000018

Sample Name : 2252122

Sample #: 2044-FB

Page 1 of 1

File Name : c:\2700\data0\102B087.raw

Date : 11/25/94 12:40

Method : 5890.ins

Time of Injection: 11/24/94 16:14

Start Time : 0.00 min

End Time : 34.00 min

Low Point : 18.36 mV

High Point : 118.36 mV

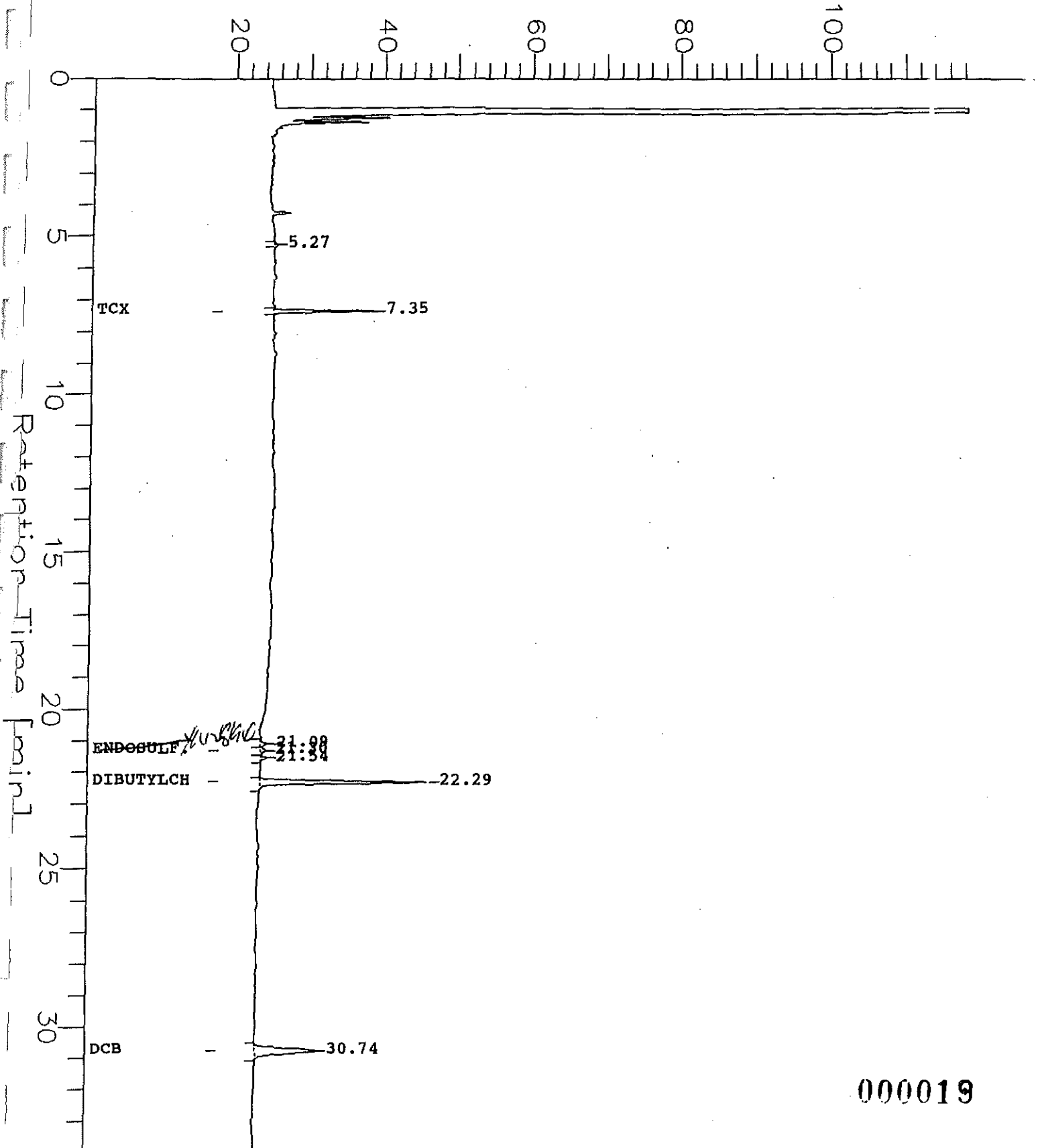
Scale Factor: -1

Plot Offset: 18 mV

Plot Scale: 100 mV

1.0UL INJ/COLUMN

[mV]



```

=====
Software Version: 3.2 <16C20>
Sample Name   : 2252122           Time       : 11/25/94  12:40
Sample Number: 2044-FB           Study      : 11/12
Operator      :
Instrument    : 970-1: HP1_(5890) Channel : B      A/D mV Range : 1000
AutoSampler  : NONE
Vial/Vial    : 0/0
  
```

```

Interface Serial # : 9161570932  Data Acquisition Time: 11/24/94  16:14
Delay Time        : 0.00   min.
End Time          : 34.00  min.
Sampling Rate     : 2.0000 pts/sec
  
```

```

Raw Data File   : c:\2700\data0\182B087.raw
Result File     : c:\2700\data0\182B087.rst
Instrument File  : c:\2700\data\5890.ins
Process File    : c:\2700\data\902.prc
Sample File     : c:\2700\data\179BC.smp
Sequence File   : c:\2700\data0\182.seq
  
```

```

Inj. Volume    : 1 ul           Area Reject   : 4000.00
Sample Amount  : 1000.0000      Dilution Factor : 1.00
  
```

=====

PEST-PCB REPORT HP-50+

=====

01-B HP-50+ 30M X 0.53MM ID 150 C, 275 C

Peak #	Ret Time [min]	Area [uV-sec]	Height [uV]	BL	Area/NG CAL FACT.	Amount ng/ul	Amount ppb(Wet)	Amount (ppb Dry)	Component Name	Comments NC/CON/<DL
1	7.35	59029	13887	BB	5445377	0.0108	0.108		TCX	22%
2	21.09	5543	795	BV	100000	0.0554	0.554			
3	21.30	4810	651	VV	3531676	0.0014	0.014		ENDOSULF.SULFATE	11%
4	21.54	4091	751	VB	100000	0.0409	0.409			
5	22.29	133543	22935	BB	3251917	0.0411	0.411		DIBUTYLCHLORENDATE	41%
6	30.74	92907	8315	BB	5886404	0.0158	0.158		DCB	32%
		99923	47334			0.1654	1.654			

=====

NC=NOT CONFIRMED; CON=CONFIRMED; PREPARED BY *W. G. G. / 11/24/94* REVIEWED BY *A.*

=====

8080PEST - FORM 1
NYTEST ENVIRONMENTAL INC.

TCL PESTICIDE ORGANICS ANALYSIS DATA SHEET

SAMPLE MATRIX: WATER
CONC. LEVEL: LOW
EXTRACTION DATE: 11/12/94
ANALYSIS DATE: 11/24/94

SAMPLE ID: 2044-DUP
LAB SAMPLE ID: 2252123
DIL FACTOR: 1.00
% MOISTURE: NA
UG/L

CMPD #	CAS Number	PESTICIDE COMPOUNDS	UG/L
1	319-84-6	alpha-BHC	0.05 U
2	319-85-7	beta-BHC	0.05 U
3	319-86-8	delta-BHC	0.05 U
4	58-89-9	gamma-BHC (Lindane)	0.05 U
5	76-44-8	Heptachlor	0.05 U
6	309-00-2	Aldrin	0.05 U
7	1024-57-3	Heptachlor Epoxide	0.05 U
8	959-98-8	Endosulfan I	0.05 U
9	60-57-1	Dieldrin	0.10 U
10	72-55-9	4,4'-DDE	0.10 U
11	70-20-8	Endrin	0.10 U
12	33213-65-9	Endosulfan II	0.10 U
13	72-54-8	4,4'-DDD	0.10 U
14	1031-07-8	Endosulfan Sulfate	0.10 U
15	50-29-3	4,4'-DDT	0.10 U
16	72-43-5	Methoxychlor	0.50 U
17	53494-70-5	Endrin Ketone	0.10 U
18	7421-36-3	Endrin Aldehyde	0.10 U
19	5103-71-9	alpha-Chlordane	0.05 U
20	5103-74-2	gamma-Chlordane	0.05 U
21	8001-35-2	Toxaphene	1.0 U

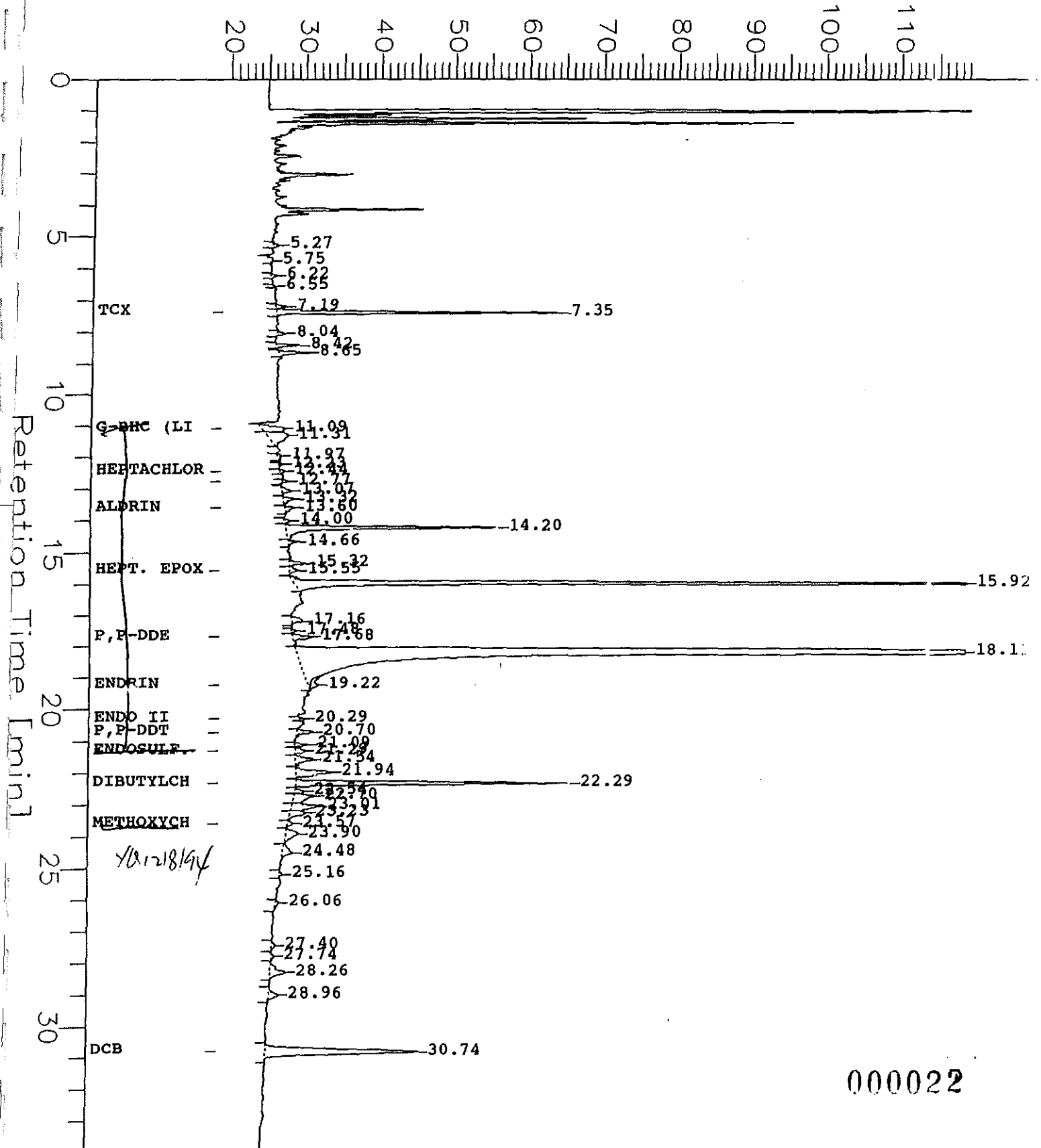
000021

Sample Name : 2252123
File Name : c:\2700\data0\182B088.raw
Method : 5890.ins
Start Time : 0.00 min
Scale Factor: -1

End Time : 34.00 min
Plot Offset: 19 mV

Sample #: 2044-DUP
Date : 11/25/94 12:41
Time of Injection: 11/24/94 16:59
Low Point : 19.10 mV
High Point : 119.10 mV
Plot Scale: 100 mV

1.0UL INJ/COLUMN [mV]



11/21/94

Software Version: 3.2 <16C20>

Sample Name : 2252123
Sample Number: 2044-DUP
Operator :

Time : 11/25/94 12:41
Study : 11/12

Instrument : 970-1:_HP1_(5890)
AutoSampler : NONE
Rack/Vial : 0/0

Channel : B A/D mV Range : 1000

Interface Serial # : 9161570932 Data Acquisition Time: 11/24/94 16:59
Delay Time : 0.00 min.
End Time : 34.00 min.
Sampling Rate : 2.0000 pts/sec

Raw Data File : c:\2700\data0\182B088.raw
Result File : c:\2700\data0\182B088.rst
Instrument File: c:\2700\data\5890.ins
Process File : c:\2700\data\902.prc
Sample File : c:\2700\data\179BC.smp
Sequence File : c:\2700\data0\182.seq

Inj. Volume : 1 ul Area Reject : 4000.00
Sample Amount : 1000.0000 Dilution Factor : 1.00

PEST-PCB REPORT HP-50+

P1-B HP-50+ 30M X 0.53MM ID 150 C, 275 C

Peak #	Ret Time [min]	Area [uV-sec]	Height [uV]	BL	Area/NG CAL FACT.	Amount ng/ul	Amount ppb(Wet)	Amount (ppb Dry)	Component Name	Comments NC/CON/<DL
1	5.27	4735	923	BB	100000	0.0474	0.474			
2	5.75	4447	357	BB	100000	0.0445	0.445			
5	7.19	7065	1442	BV	100000	0.0707	0.707			
6	7.35	159919	30208	VB	5445377	0.0294	0.294		TCX	590%
7	8.04	5878	1230	BB	100000	0.0588	0.588			
8	8.42	14483	3197	BB	100000	0.1448	1.448			
9	8.65	18784	4123	BB	100000	0.1778	1.878			
10	11.09	33083	2984	BV	5780098	0.0057	0.057		g-BHC (LINDANE)	N/C
11	11.31	47418	2765	VB	100000	0.4742	4.742			
16	13.07	9239	1229	BV	100000	0.0924	0.924			
17	13.32	10658	1603	VB	100000	0.1066	1.066			
18	13.60	8337	1296	BB	5642616	0.0015	0.015		ALDRIN	oil
20	14.20	163943	28682	VV	100000	1.6394	16.394			
21	14.66	5280	1090	VB	100000	0.0528	0.528			
22	15.32	11950	2247	BV	100000	0.1195	1.195			
23	15.55	9327	1124	VB	5797530	0.0016	0.016		HEPT. EPOX.	oil
24	15.92	678114	132794	BB	100000	6.7811	67.811			
25	17.16	13589	1562	BB	100000	0.1359	1.359			
27	17.68	20382	2493	BB	4183655	0.0049	0.049		P,P-DDE	oil
28	18.11	7046611	921961	BE	100000	70.4661	704.661			
29	19.22	14214	996	BB	4102212	0.0035	0.035		ENDRIN	oil
31	20.70	14846	2176	BB	3396273	0.0044	0.044		P,P-DDT	oil
32	21.09	9432	1722	BV	100000	0.0943	0.943			
33	21.29	11050	1313	VV	3531676	0.0031	0.031		ENDOSULF. SULFATE	oil
34	21.54	21884	2289	VB	100000	0.2188	2.188			
35	21.94	41649	4814	BB	100000	0.4165	4.165			
36	22.29	201180	36860	BB	3251917	0.0619	0.619		DIBUTYLCHLORENDATE	62%
37	22.54	8121	1200	BV	100000	0.0812	0.812			
38	22.70	31666	2774	VV	100000	0.3167	3.167			
39	23.01	34248	3469	VV	100000	0.3425	3.425			
40	23.23	22131	2075	VV	100000	0.2213	2.213			
41	23.57	5574	711	VB	1991583	0.0028	0.028		METHOXYCHLOR	oil
42	23.90	23489	1674	BV	100000	0.2349	2.349			
43	24.48	21017	1403	VB	100000	0.2102	2.102			
45	26.06	5521	493	BB	100000	0.0552	0.552			
46	27.40	4790	512	BB	100000	0.0479	0.479			
48	28.26	25162	2051	VB	100000	0.2516	2.516			
49	28.96	13676	1336	BB	100000	0.1368	1.368			
50	30.74	223680	20464	BB	5886405	0.0380	0.380		DCB	76%

000023

=====
C=NOT CONFIRMED; CON=CONFIRMED; PREPARED BY: *0128/9* REVIEWED BY: *(Signature)*
=====

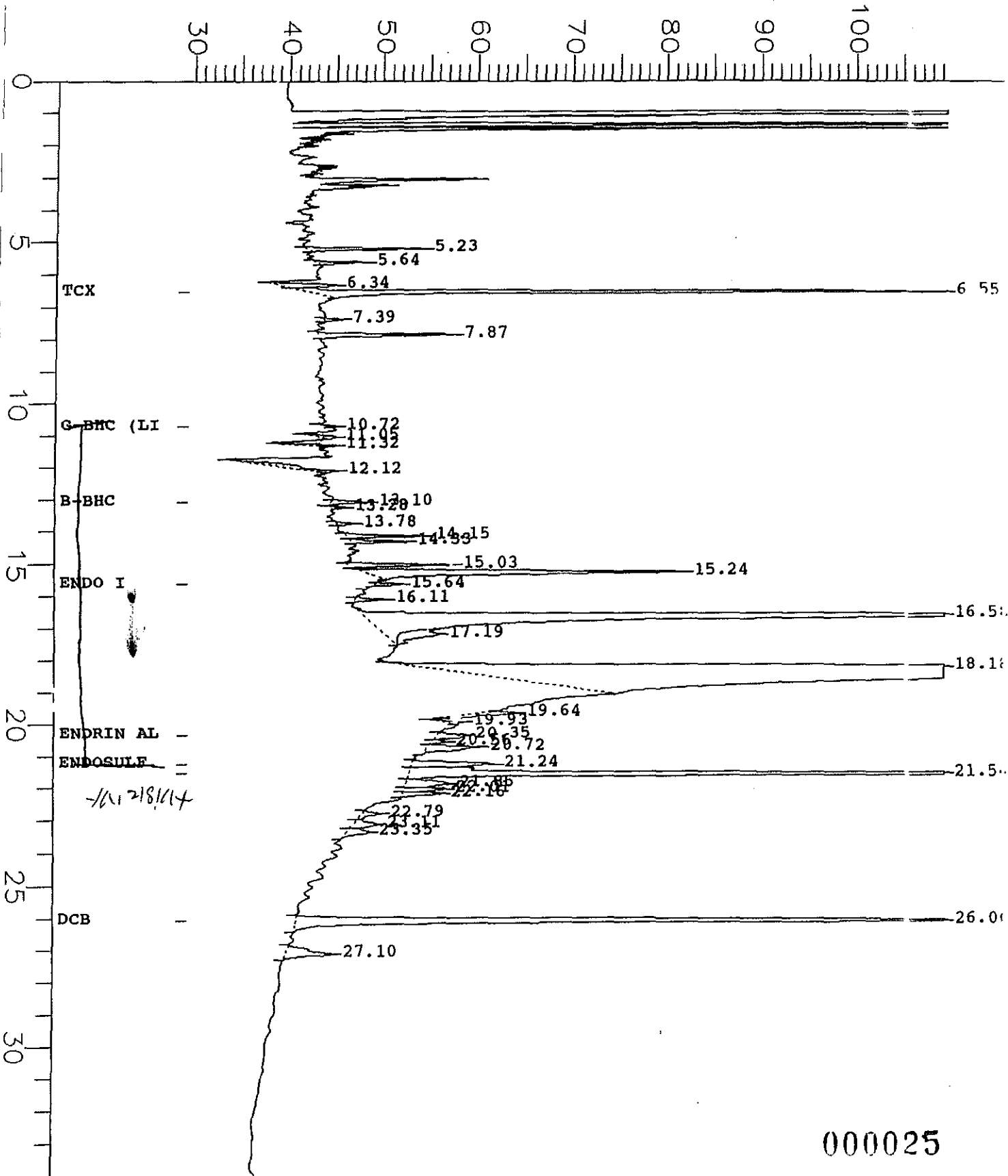
10

Sample Name : 2252123
File Name : c:\2700\data0\182A088.raw
Method : 5890.ins
Start Time : 0.00 min
Scale Factor: -1

Sample #: 2044-DUP
Date : 11/25/94 12:41
Time of Injection: 11/24/94 16:59
Low Point : 29.49 mV
High Point : 109.49 mV
Plot Scale: 80 mV

End Time : 34.00 min
Plot Offset: 30 mV

1.0UL INJ / COLUMN [mV]



11/28/94

Software Version: 3.2 <16C20>

Sample Name : 2252123
Sample Number: 2044-DUP
Operator :

Time : 11/25/94 12:41
Study : 11/12

Instrument : 970-1: HP1_(5890)
AutoSampler : NONE
Rack/Vial : 0/0

Channel : A A/D mV Range : 1000

Interface Serial # : 9161570932 Data Acquisition Time: 11/24/94 16:59
Delay Time : 0.00 min.
End Time : 34.00 min.
Sampling Rate : 2.0000 pts/sec

Raw Data File : c:\2700\data0\182A088.raw
Result File : c:\2700\data0\182A088.rst
Instrument File: c:\2700\data\5890.ins
Process File : c:\2700\data\901.prc
Sample File : c:\2700\data\179AC.smp
Sequence File : c:\2700\data0\182.seq

Inj. Volume : 1 ul Area Reject : 4000.00
Sample Amount : 1000.0000 Dilution Factor : 1.00

PEST-PCB REPORT DB-1701

P1-A DB-1701 30M X 0.53 MM ID 150 C,275 C

Peak #	Ret Time [min]	Area [uV-sec]	Height [uV]	BL	Area/NG CAL FACT.	Amount ng/ul	Amount ppb(Wet)	Amount (ppb Dry)	Component Name	Comments NC/CON/<DL
1	5.23	46044	12508	BB	100000	0.4604	4.604			
2	5.64	19712	5437	BB	100000	0.1971	1.971			
3	6.34	37814	5903	BV	100000	0.3781	3.781			
4	6.55	438352	99421	VB	11131000	0.0394	0.394		TCX 770/0	
5	7.39	7089	1926	BB	100000	0.0709	0.709			
6	7.87	64394	14422	BB	100000	0.6439	6.439			
8	11.55	11831	1509	BB	100000	0.1183	1.183			
9	11.55	13678	2672	BB	100000	0.1366	1.366			
10	12.12	47530	2637	BB	100000	0.4731	4.733			
11	13.10	21765	4206	BB	7788740	0.0028	0.028		b-BHC 411	
12	13.28	4020	985	BB	100000	0.0402	0.402			
13	13.78	6987	1778	BB	100000	0.0699	0.699			
14	14.15	40524	8330	BV	100000	0.4052	4.052			
15	14.33	24339	5973	VB	100000	0.2434	2.434			
16	15.03	50930	11153	BB	100000	0.5093	5.093			
17	15.24	254641	34331	BB	100000	2.5464	25.464			
18	15.64	11225	2997	BB	12419000	0.0009	0.009		ENDO I 411	
19	16.11	14873	3300	BB	100000	0.1487	1.487			
20	16.58	1430824	174281	BE	100000	14.3082	143.082			
21	17.19	59641	4246	BB	100000	0.5964	5.964			
22	18.10	6897193	770614	BB	100000	68.9719	689.719			
23	19.64	36539	3580	BB	100000	0.3654	3.654			
24	19.93	11446	2080	BB	100000	0.1145	1.145			
25	20.35	26281	2974	BV	5179112	0.0051	0.051		ENDRIN ALDEHYDE 411	
26	20.56	7824	1502	VV	100000	0.0782	0.782			
27	20.72	46608	5532	VB	100000	0.4661	4.661			
28	21.24	75067	8645	BV	8880549	0.0085	0.085		ENDOSULF. SULFATE 411	
29	21.54	748588	143014	VV	6669569	0.1122	1.122		DIBUTYLCHLORENDATE 1120/0	
30	21.85	49569	4628	VV	100000	0.4957	4.957			
31	22.01	27789	4418	VV	100000	0.2779	2.779			
32	22.16	27633	4112	VB	100000	0.2763	2.763			
33	22.79	15826	2084	BV	100000	0.1583	1.583			
34	23.11	27815	2553	VV	100000	0.2782	2.782			
35	23.35	23879	2416	VB	100000	0.2388	2.388			
36	26.06	640451	81757	BB	10098000	0.0634	0.634		DCB 1270/0	000026
37	27.10	57686	5051	BB	100000	0.5769	5.769			

11326202 1442971

93.8770

938.770

000027

C=NOT CONFIRMED; CON=CONFIRMED; PREPARED BY: *18/218/11/4* REVIEWED BY: *OK*

8080PEST - FORM 1
NYTEST ENVIRONMENTAL INC.

TCL PESTICIDE ORGANICS ANALYSIS DATA SHEET

SAMPLE MATRIX: WATER SAMPLE ID: PBLK8
CONC. LEVEL: LOW LAB SAMPLE ID: PWB1112C
EXTRACTION DATE: 11/12/94 DIL FACTOR: 1.00
ANALYSIS DATE: 11/24/94 % MOISTURE: NA

UG/L

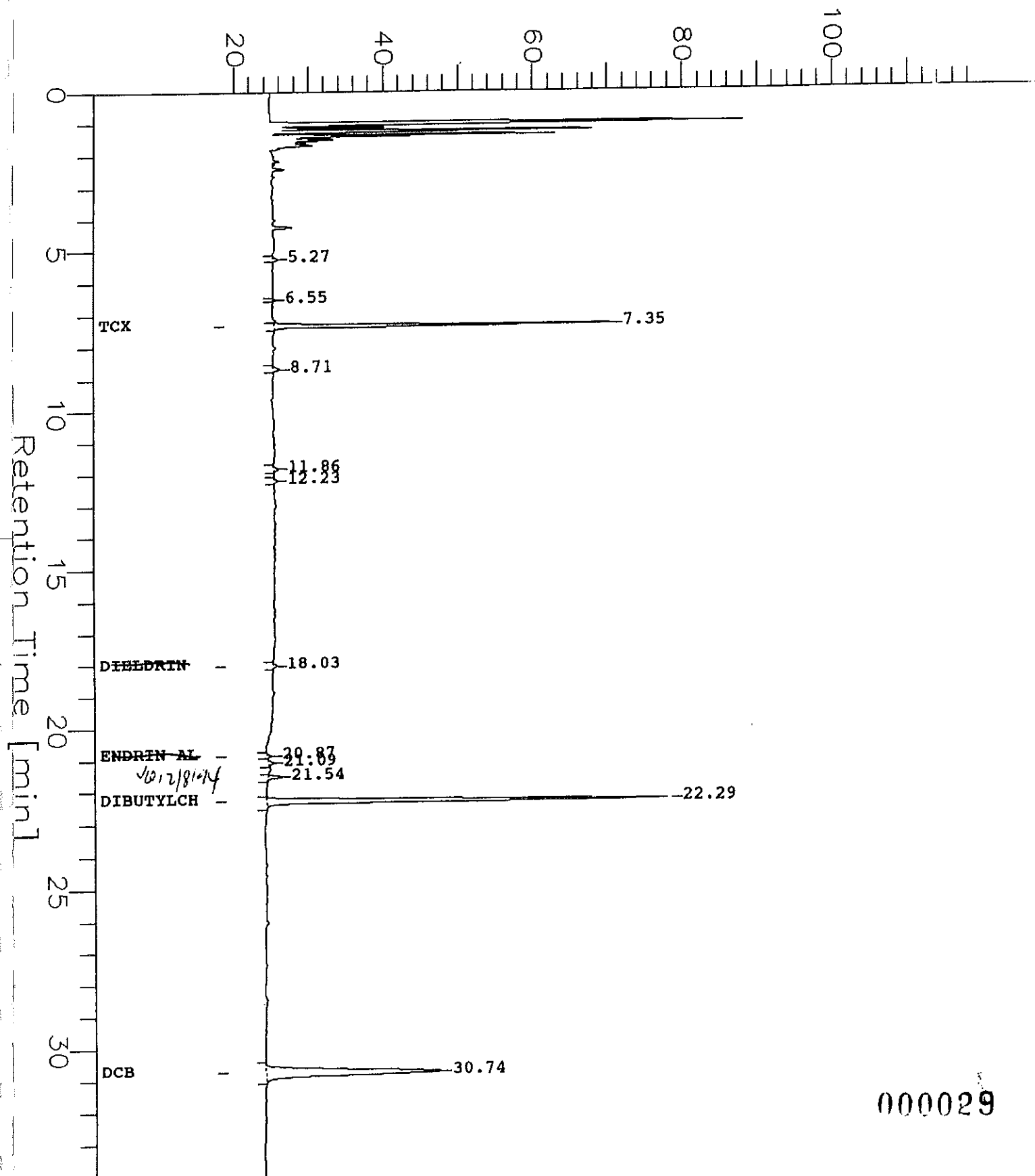
CMPD #	CAS Number	PESTICIDE COMPOUNDS	
1	319-84-6	alpha-BHC	0.05 U
2	319-85-7	beta-BHC	0.05 U
3	319-86-8	delta-BHC	0.05 U
4	58-89-9	gamma-BHC(Lindane)	0.05 U
5	76-44-8	Heptachlor	0.05 U
6	309-00-2	Aldrin	0.05 U
7	1024-57-3	Heptachlor Epoxide	0.05 U
8	959-98-8	Endosulfan I	0.05 U
9	60-57-1	Dieldrin	0.10 U
10	72-55-9	4,4'-DDE	0.10 U
11	70-20-8	Endrin	0.10 U
12	33213-65-9	Endosulfan II	0.10 U
13	72-54-8	4,4'-DDD	0.10 U
14	1031-07-8	Endosulfan Sulfate	0.10 U
15	50-29-3	4,4'-DDT	0.10 U
16	72-43-5	Methoxychlor	0.50 U
17	53494-70-5	Endrin Ketone	0.10 U
18	7421-36-3	Endrin Aldehyde	0.10 U
19	5103-71-9	alpha-Chlordane	0.05 U
20	5103-74-2	gamma-Chlordane	0.05 U
21	8001-35-2	Toxaphene	1.0 U

000028

Sample Name : PWB1112C
fileName : c:\2700\data0\182B081.raw
method : 5890.1na
Start Time : 0.00 min
Scale Factor : -1

Sample #: PBLK8
Date : 11/25/94 12:34
Time of Injection: 11/24/94 11:42
Low Point : 18.69 mV
High Point : 118.69 mV
End Time : 34.00 min
Plot Offset: 19 mV
Plot Scale: 100 mV

1.0UL INJ/COLUMN [mV]



Software Version: 3.2 <16C20>

Sample Name : PWB1112C

Time : 11/25/94 12:34

Sample Number: PBLK8

Study : 11/12

Operator :

Instrument : 970-1: HP1_(5890)

Channel : B

A/D mV Range : 1000

AutoSampler : NONE

Rack/Vial : 0/0

Interface Serial # : 9161570932 Data Acquisition Time: 11/24/94 11:42

Delay Time : 0.00 min.

End Time : 34.00 min.

Sampling Rate : 2.0000 pts/sec

Raw Data File : c:\2700\data0\182B081.raw

Result File : c:\2700\data0\182B081.rst

Instrument File: c:\2700\data\5890.ins

Process File : c:\2700\data\902.prc

Sample File : c:\2700\data\179BC.smp

Sequence File : c:\2700\data0\182.seq

Inj. Volume : 1 ul

Area Reject : 4000.00

Sample Amount : 1000.0000

Dilution Factor : 1.00

PEST-PCB REPORT HP-50+

P1-B HP-50+ 30M X 0.53MM ID 150 C, 275 C

Peak #	Ret Time [min]	Area [uV-sec]	Height [uV]	BL	Area/NG CAL FACT.	Amount ng/ul	Amount ppb(Wet)	Amount (ppb Dry)	Component Name	Comments NC/CON/<DL
3	7.35	191843	45552	BB	5445377	0.0352	0.352		TCX	70%
4	8.71	5352	910	BB	100000	0.0535	0.535			
9	21.09	4226	714	BB	100000	0.0423	0.423			
10	21.54	8780	1763	BB	100000	0.0878	0.878			
11	22.29	297093	54312	BB	3251917	0.0914	0.914		DIBUTYLCHLORENDATE	91%
2	30.74	268056	23492	BB	5886404	0.0455	0.455		DCB	91% C11C
		725950	126743			0.2757	3.557			

C=NOT CONFIRMED; CON=CONFIRMED; PREPARED BY. *Y.L. 12/8/94* REVIEWED BY. *AS*

000030

NYTEST ENVIRONMENTAL

CONTRACT: *Agulon*

MATRIX (soil/water): *Water*

LEVEL (low/med):

INSTRUMENT ID: *HP11B*

GC COLUMN: *HP507 0.53um*

EXTRACTION DATE: *11/12/94*

The Method Blank listed below applies to the following sample(s), MS, MSD:

Sample Id.	Lab Id.	File Name	Date Of Injection	Time Of Injection	DIBUTYLCHLORENDATE RT (reference)
BLK8	PWB1112C	182b081.rst	11/24/94	11:42	22.29
2044-2	2252120	182b083.rst	11/24/94	13:13	22.29
044-3	2252121	182b084.rst	11/24/94	13:58	22.29
044-3MS	2252121MS	182b085.rst	11/24/94	14:44	22.29
044-3MSD	2252121MSD	182b086.rst	11/24/94	15:29	22.29
2044-FB	2252122	182b087.rst	11/24/94	16:14	22.29
2044-DUP	2252123	182b088.rst	11/24/94	16:59	22.29
044-1	2252119	182b089.rst	11/24/94	17:44	22.30

Analysis

ICAL STANDARDS DATE AND TIME SUMMARY

INITIAL CALIBRATION INSTRUMENT HPL SEQUENCE 177 ANALYSIS 7AIDA
with surrogate times) GC COLUMN DB-1701

File Name	Sample Name	Sample Number	Date of Injection	Time of Injection	DIBUTYLCHLORENDATE Ret. Time
77A003.rst	INDA-1		11/8/94	18:03	21.77
77A004.rst	INDA-2		11/8/94	18:40	21.77
77A005.rst	INDA-3		11/8/94	19:33	21.77
77A006.rst	INDA-4		11/8/94	20:19	21.77
77A007.rst	INDA-5		11/8/94	21:04	21.77

000033

ICAL STANDARDS DATE AND TIME SUMMARY

=====

INITIAL CALIBRATION INSTRUMENT HP1B SEQUENCE 177 ANALYSIS INDA
 with surrogate times) GC COLUMN HP-50+

=====

File Name	Sample Name	Sample Number	Date Of Injection	Time Of Injection	DIBUTYLCHLORENDATE Ret. Time
7B003.rst	INDA-1		11/8/94	18:03	22.54
77B004.rst	INDA-2		11/8/94	18:48	22.54
177B005.rst	INDA-3		11/8/94	19:33	22.54
7B006.rst	INDA-4		11/8/94	20:19	22.54
7B007.rst	INDA-5		11/8/94	21:04	22.54

000034

ICAL STANDARDS DATE AND TIME SUMMARY

INITIAL CALIBRATION INSTRUMENT HP1 SEQUENCE 177 ANALYSIS INDB
 with surrogate times) GC COLUMN DB-1701

File Name	Sample Name	Sample Number	Date Of Injection	Time Of Injection	DIBUTYLCHLORENDATE Ret. Time
A009.rst	INDB-1		11/8/94	22:35	21.77
7A010.rst	INDB-2		11/8/94	23:20	21.77
177A011.rst	INDB-3		11/9/94	12:06	21.77
1 A012.rst	INDB-4		11/9/94	12:51	21.77
A013.rst	INDB-5		11/9/94	01:36	21.77

ICAL STANDARDS DATE AND TIME SUMMARY

INITIAL CALIBRATION INSTRUMENT HPLC SEQUENCE 177 ANALYSIS INDB
 with surrogate times) GC COLUMN HP-50+

File Name	Sample Name	Sample Number	Date Of Injection	Time Of Injection	DIBUTYLCHLORIDE Ret. Time
7B009.ret	INDB-1		11/8/94	22:35	22.54
77B010.ret	INDB-2		11/8/94	23:20	22.54
177B011.ret	INDB-3		11/9/94	12:06	22.54
7B012.ret	INDB-4		11/9/94	12:51	22.54
7B013.ret	INDB-5		11/9/94	01:36	22.54

000036

PEST-PCB-HERB SEQ. and DBC / 2,4-DCPAA SHIFT SUMMARY [8E]

YTEST ENVIRONMENTAL

CONTRACT: *Aguilar*

INSTRUMENT ID: *HP115*

GC COLUMN ID: *HP50 + 0.53mm*

DATES of ANALYSIS:

11/9/94 TO 11/20/94

File Name	Sample Name	Sample Number	Date Of Injection	Time Of Injection	Ret. Time	DIBUTYLCHLORENDATE	
						†	*
b026.rst	TECH-CHLORDANE-3		11/9/94	11:25	22.52	—	
2b079.rst	INDA-3	INDA-3	11/24/94	10:12	22.29	—	
182b080.rst	INDB-3	INDB-3	11/24/94	10:57	22.29	u	
1 b081.rst	PWB1112C	PBLK8	11/24/94	11:42	22.29	u	
b083.rst	2252120	2044-2	11/24/94	13:13	22.29	u	
b084.rst	2252121	2044-3	11/24/94	13:58	22.29	u	
2b087.rst	2252122	2044-FB	11/24/94	16:14	22.29	u	
2b088.rst	2252123	2044-DUP	11/24/94	16:59	22.29	u	
1 b089.rst	2252119	2044-1	11/24/94	17:44	22.30	u	<i>0.45</i>
1 b094.rst	INDB-3		11/24/94	21:31	22.29	u	<i>0.</i>

Values outside of QC limits (2.0 for packed columns, 0.3% for capillary columns, 1.5% for wide bore capillary.)

000037

CALIBRATION FACTORS and RSD SUMMARY

STANDARD: INDA INSTRUMENT: HPI SEQUENCE: 177

DATA FILE NAME	Sample Name	TCX Sample CALIBRATION FACTOR Number	g-BHC (LINDANE) CALIBRATION FACTOR	HEPTACHLOR CALIBRATION FACTOR	ALDRIN CALIBRATION FACTOR
177A003.	INDA-1	1.4275e7	1.6995e7	1.8956e7	1.6931e7
177A004.	INDA-2	1.1393e7	1.3408e7	1.4930e7	1.3916e7
177A005.	INDA-3	1.0164e7	1.2649e7	1.3658e7	1.3095e7
177A006.	INDA-4	9730460.0000	1.2944e7	1.3040e7	1.2814e7
177A007.	INDA-5	1.0103e7	1.5241e7	1.4324e7	1.4522e7
Averages		1.1131e7	1.4247e7	1.4981e7	1.4256e7
RSD		16.75	12.89	15.56	11.51

DATA FILE NAME	Sample Name	HEPT. EPOX. Sample CALIBRATION FACTOR Number	ENDO I CALIBRATION FACTOR	DIELDRIN CALIBRATION FACTOR	ENDO II CALIBRATION FACTOR
177A003.	INDA-1	1.6625e7	1.4742e7	1.3131e7	1.0450e7
177A004.	INDA-2	1.3686e7	1.2513e7	1.1500e7	9228221.0000
177A005.	INDA-3	1.2623e7	1.1632e7	1.0965e7	8593166.0000
177A006.	INDA-4	1.1866e7	1.1046e7	1.0753e7	8226140.5000
177A007.	INDA-5	1.2991e7	1.2164e7	1.2404e7	9299462.0000
Averages		1.3558e7	1.2419e7	1.1751e7	9159518.0000
RSD		13.54	11.37	8.52	9.27

DATA FILE NAME	Sample Name	P,p-DDT Sample CALIBRATION FACTOR Number	ENDRIN ALDEHYDE CALIBRATION FACTOR	METHOXYCHLOR CALIBRATION FACTOR	DIBUTYLCHLORENDATE CALIBRATION FACTOR
177A003.	INDA-1	6329731.5000	4204090.0000	4831695.5000	7192948.5000
177A004.	INDA-2	6406443.0000	4806066.0000	4435975.0000	6681323.0000
177A005.	INDA-3	6264710.5000	5238953.0000	4073824.0000	6296310.0000
177A006.	INDA-4	6885915.0000	509860.0000	3982406.0000	6475557.5000
177A007.	INDA-5	7764660.5000	6096594.0000	4008395.5000	6701805.0000
Averages		6730292.0000	5179112.5000	4266459.0000	6669569.0000
RSD		9.33	13.90	8.55	5.04

DATA FILE NAME	Sample Name	DCB Sample CALIBRATION FACTOR Number
177A003.	INDA-1	1.1816e7
177A004.	INDA-2	1.0741e7
177A005.	INDA-3	9612314.0000
177A006.	INDA-4	9403484.0000
177A007.	INDA-5	8918605.0000
Averages		1.0098e7
RSD		11.59

CALIBRATION FACTORS and RSD SUMMARY

STANDARD: INDA INSTRUMENT: HPI B SEQUENCE: 177

DATA FILE NAME	Sample Name	Sample Number	TCC CALIBRATION FACTOR	g-BHC (LINDANE) CALIBRATION FACTOR	HEPTACHLOR CALIBRATION FACTOR	ALDRIN CALIBRATION FACTOR
B003.	INDA-1		7097050.0000	6940901.0000	8321900.0000	6953550.0000
B004.	INDA-2		5312020.5000	5546000.5000	6529700.0000	5445260.0000
7B005.	INDA-3		4834085.5000	5159600.0000	5898290.5000	5076500.5000
177B006.	INDA-4		4773600.0000	5127500.5000	5558890.5000	4881855.5000
1 B007.	INDA-5		5210128.5000	6126490.5000	6333385.0000	5855917.5000
Averages			5445377.0000	5780098.5000	6528433.0000	5642616.5000
SD			17.49	13.21	16.41	4.57

DATA FILE NAME	Sample Name	Sample Number	HEPT. EPOX. CALIBRATION FACTOR	ENDO I CALIBRATION FACTOR	DIELDRIN CALIBRATION FACTOR	ENDO I: CALIBRATION FACTOR
177B003.	INDA-1		7305600.0000	6236400.0000	5677550.0000	4466800.0000
1 B004.	INDA-2		5938320.0000	5208740.0000	4866240.0000	3893940.2500
B005.	INDA-3		5278900.5000	4714900.5000	4444290.5000	3585440.2500
B006.	INDA-4		4911300.5000	4397920.5000	4236670.5000	3489200.0000
7B007.	INDA-5		5553530.0000	4996412.5000	5005062.5000	4014452.5000
Averages			5797530.0000	5110874.5000	4845962.5000	3889966.5000
SD			15.92	13.68	11.54	9.97

DATA FILE NAME	Sample Name	Sample Number	p,p-DDT CALIBRATION FACTOR	ENDRIN ALDEHYDE CALIBRATION FACTOR	METHOXYCHLOR CALIBRATION FACTOR	DIBUTYLCHLORINDATE CALIBRATION FACTOR
B003.	INDA-1		3484350.0000	3178400.0000	2116615.2500	3543462.5000
7B004.	INDA-2		3249400.2500	2643758.0000	1973935.7500	3161860.2500
177B005.	INDA-3		3116120.2500	2499599.0000	1880210.0000	2951310.0000
1 B006.	INDA-4		3271082.2500	2430674.0000	1936620.8750	3115725.0000
B007.	INDA-5		3860416.2500	2709018.7500	2050535.5000	3475261.2500
Averages			3396273.7500	2692290.0000	1991583.5000	3249523.7500
SD			8.57	10.90	4.69	7.72

DATA FILE NAME	Sample Name	Sample Number	DCB CALIBRATION FACTOR
7B003.	INDA-1		6316600.0000
7B004.	INDA-2		6215120.5000
7B005.	INDA-3		5706950.5000
77B006.	INDA-4		5674915.0000
177B007.	INDA-5		5518437.0000
Averages			5886404.5000
SD			6.04

CALIBRATION FACTORS and RSD SUMMARY

STANDARD: INDB INSTRUMENT: HPC SEQUENCE: 177

DATA FILE NAME	Sample Name	TCX Sample CALIBRATION FACTOR Number	a-BHC CALIBRATION FACTOR	b-BHC CALIBRATION FACTOR	d-BHC CALIBRATION FACTOR
177A009.	INDB-1	1.4275e7	1.6845e7	8591250.0000	9758500.0000
177A010.	INDB-2	1.0644e7	1.7487e7	8956920.0000	1.177e7
177A011.	INDB-3	9989719.0000	1.5150e7	7554810.5000	1.0116e7
177A012.	INDB-4	9833722.0000	1.4953e7	6858569.0000	1.0439e7
177A013.	INDB-5	1.0135e7	1.6886e7	6982149.5000	1.295e7
Averages		1.0975e7	1.6264e7	7788740.0000	1.0437e7
RSD		17.03	7.00	12.15	8.43

DATA FILE NAME	Sample Name	g-CHLORDANE Sample CALIBRATION FACTOR Number	a-CHLORDANE CALIBRATION FACTOR	p,p-DDE CALIBRATION FACTOR	ENDRIN CALIBRATION FACTOR
177A009.	INDB-1	1.5633e7	1.6437e7	7699706.5000	9820350.0000
177A010.	INDB-2	1.5058e7	1.5959e7	8909175.0000	9709880.0000
177A011.	INDB-3	1.3371e7	1.4325e7	8888681.0000	9038421.0000
177A012.	INDB-4	1.2510e7	1.3478e7	9314326.0000	8812402.0000
177A013.	INDB-5	1.2489e7	1.3422e7	1.0162e7	9220595.0000
Averages		1.3812e7	1.4724e7	8994789.0000	9320330.0000
RSD		10.56	9.53	9.88	4.64

DATA FILE NAME	Sample Name	p,p-DDD Sample CALIBRATION FACTOR Number	ENDOSULF.SULFATE CALIBRATION FACTOR	DIBUTYLCHLORENDATE CALIBRATION FACTOR	ENDRIN KE'ONE CALIBRATION FACTOR
177A009.	INDB-1	4567319.0000	8105375.0000	7192848.0000	7663800.0000
177A010.	INDB-2	5303085.5000	8135693.0000	6714602.5000	7620760.5000
177A011.	INDB-3	5526998.0000	9571944.0000	6317295.0000	7645709.5000
177A012.	INDB-4	6593009.5000	9265982.0000	6480011.0000	7532880.0000
177A013.	INDB-5	7041812.5000	9323749.0000	6693838.5000	7545222.5000
Averages		5806445.0000	8880549.0000	6679719.0000	7601674.5000
RSD		17.25	7.92	4.94	0.78

DATA FILE NAME	Sample Name	DCB Sample CALIBRATION FACTOR Number
177A009.	INDB-1	1.1734e7
177A010.	INDB-2	1.0617e7
177A011.	INDB-3	9564732.0000
177A012.	INDB-4	9343338.0000
177A013.	INDB-5	8889918.0000
Averages		1.0029e7
RSD		11.41

CALIBRATION FACTORS and RSD SUMMARY

STANDARD: INDB INSTRUMENT: HP1B SEQUENCE: 177

DATA FILE NAME	Sample Name	Sample Number	TCX CALIBRATION FACTOR	a-BHC CALIBRATION FACTOR	b-BHC CALIBRATION FACTOR	d-BHC CALIBRATION FACTOR
77B009.	INDB-1		6954530.5000	7009801.0000	4263650.0000	5176200.0000
77B010.	INDB-2		5021653.5000	7125120.5000	4318840.0000	5521440.0000
177B011.	INDB-3		4809807.0000	6118520.0000	3591400.2500	4903480.5000
177B012.	INDB-4		4881049.0000	5975580.5000	3283800.2500	4888250.5000
77B013.	INDB-5		5245741.5000	6889190.5000	3391307.5000	5683290.0000
Averages			5382556.5000	6623642.5000	3769799.5000	5234532.0000
RSD			16.62	8.08	12.97	6.87

DATA FILE NAME	Sample Name	Sample Number	g-CHLORDANE CALIBRATION FACTOR	a-CHLORDANE CALIBRATION FACTOR	p,p-DDE CALIBRATION FACTOR	ENDRIN CALIBRATION FACTOR
177B009.	INDB-1		6966200.0000	7233900.0000	430700.0000	4547200.0000
77B010.	INDB-2		6542300.0000	6769480.0000	4377740.0000	4386680.0000
77B011.	INDB-3		5707940.5000	5939740.5000	4035291.5000	3943880.2500
77B012.	INDB-4		5255760.5000	5513110.5000	3939739.5000	3735570.2500
177B013.	INDB-5		5373120.0000	5575720.0000	4258405.0000	3897732.5000
Averages			5969064.0000	6206390.0000	4183655.2500	4102212.5000
RSD			12.58	12.28	4.47	8.45

DATA FILE NAME	Sample Name	Sample Number	p,p-DDD CALIBRATION FACTOR	ENDOSULF. SULFATE CALIBRATION FACTOR	DIBUTYLCHLORENDATE CALIBRATION FACTOR	ENDRIN METONE CALIBRATION FACTOR
77B009.	INDB-1		2656100.0000	3802225.0000	3525792.2500	4217600.0000
177B010.	INDB-2		2804220.2500	3587620.2500	3148448.0000	4103580.2500
177B011.	INDB-3		2779620.7500	3372660.2500	2976184.0000	4034620.2500
77B012.	INDB-4		2870039.7500	3377744.0000	3136072.7500	4052474.7500
77B013.	INDB-5		3143653.7500	3518130.0000	3473089.5000	4287838.5000
Averages			2850727.0000	3531676.0000	3251917.2500	4139222.7500
RSD			6.36	5.02	7.28	2.65

DATA FILE NAME	Sample Name	Sample Number	DCB CALIBRATION FACTOR
77B009.	INDB-1		6310225.0000
77B010.	INDB-2		6147053.0000
77B011.	INDB-3		5700131.0000
177B012.	INDB-4		5660053.0000
177B013.	INDB-5		5511647.5000
Averages			5865822.0000
RSD			5.36

000041

STANDARD AREA %D SUMMARY

STANDARD: INDA INSTRUMENT: HP1A SEQUENCES: 177 182
 COLUMN: DB-17d 153dm

TDX

DATA FILE NAME	Sample Name	Sample Number	AREA (SAMPLE)	PERCENT DIFFERENCE AREA#1 - AREA#2 / #1 X 100
77a005.	INDA-3		508221.2500	
82a079.	INDA-3	INDA-3	742522.5000	46.1
Averages			625371.8750	
RSD			26.49	

g-BHC (LINDANE)

DATA FILE NAME	Sample Name	Sample Number	AREA (SAMPLE)	PERCENT DIFFERENCE AREA#1 - AREA#2 / #1 X 100
77a005.	INDA-3		158114.0000	
82a079.	INDA-3	INDA-3	201117	63.9
Averages			158114.0000	
RSD				

HEPTACHLOR

DATA FILE NAME	Sample Name	Sample Number	AREA (SAMPLE)	PERCENT DIFFERENCE AREA#1 - AREA#2 / #1 X 100
77a005.	INDA-3		341451.5000	
82a079.	INDA-3	INDA-3	528257	54.7
Averages			341451.5000	
RSD				

ALDRIN

DATA FILE NAME	Sample Name	Sample Number	AREA (SAMPLE)	PERCENT DIFFERENCE AREA#1 - AREA#2 / #1 X 100
77a005.	INDA-3		327383.7500	
82a079.	INDA-3	INDA-3	523007	53.8
Averages			327383.7500	
RSD				

HEPT. EPOX.

DATA FILE NAME	Sample Name	Sample Number	AREA (SAMPLE)	PERCENT DIFFERENCE AREA#1 - AREA#2 / #1 X 100
77a005.	INDA-3		315590.5000	
82a079.	INDA-3	INDA-3	486036.5000	54.0
Averages			400813.5000	
RSD			30.07	

END I

DATA FILE NAME	Sample Name	Sample Number	AREA (SAMPLE)	PERCENT DIFFERENCE AREA#1 - AREA#2 / #1 X 100
77a005.	INDA-3		290814.5000	
82a079.	INDA-3	INDA-3	486430.6250	67.3
Averages			388622.5625	
RSD			35.59	

DIELDRIN

DATA FILE NAME	Sample Name	Sample Number	AREA (SAMPLE)	PERCENT DIFFERENCE AREA#1 - AREA#2 / #1 X 100
77a005.	INDA-3		274139.5000	
82a079.	INDA-3	INDA-3	442221.7500	61.3
Averages			358180.6250	
RSD			33.18	

ENDO II

DATA FILE NAME	Sample Name	Sample Number	AREA (SAMPLE)	PERCENT DIFFERENCE AREA#1 - AREA#2 / #1 X 100
77a005.	INDA-3		429658.2500	
82a079.	INDA-3	INDA-3	695360.6250	61.9
Averages			562509.4375	
RSD			33.40	

P,p-DDT

DATA FILE NAME	Sample Name	Sample Number	AREA (SAMPLE)	PERCENT DIFFERENCE AREA#1 - AREA#2 / #1 X 100

000042

77a005.	INDA-3		313235.5000	
82a079.	INDA-3	INDA-3	544031.5625	73.87
Averages			428633.5313	
RSD			38.07	

				ENDRIN ALDEHYDE
DATA FILE NAME	Sample Name	Sample Number	AREA (SAMPLE)	PERCENT DIFFERENCE AREA#1 - AREA#2 / #1 X 100
77a005.	INDA-3		327434.5625	
82a079.	INDA-3	INDA-3	515649.1250	57.5
Averages			421541.8438	
RSD			31.57	

				METHOXYCHLOR
DATA FILE NAME	Sample Name	Sample Number	AREA (SAMPLE)	PERCENT DIFFERENCE AREA#1 - AREA#2 / #1 X 100
77a005.	INDA-3		1018456.0000	
82a079.	INDA-3	INDA-3	1018456.0000	44.7
Averages			1018456.0000	
RSD				

				DIBUTYLCHLORENDATE
DATA FILE NAME	Sample Name	Sample Number	AREA (SAMPLE)	PERCENT DIFFERENCE AREA#1 - AREA#2 / #1 X 100
77a005.	INDA-3		629631.0000	
82a079.	INDA-3	INDA-3	990310.8125	57.3
Averages			809970.8750	
RSD			31.49	

				PCB
DATA FILE NAME	Sample Name	Sample Number	AREA (SAMPLE)	PERCENT DIFFERENCE AREA#1 - AREA#2 / #1 X 100
77a005.	INDA-3		480615.6875	
82a079.	INDA-3	INDA-3	691819.0000	43.9
Averages			586217.3750	
RSD			25.48	

STANDARD AREA %D SUMMARY

STANDARD: INDA INSTRUMENT: HPI B SEQUENCES: 177 182
 COLUMN: NFS0+

TCX

DATA FILE NAME	Sample Name	Sample Number	AREA (SAMPLE)	PERCENT DIFFERENCE AREA#1 - AREA#2 / #1 X 100
7b005.	INDA-3		241704.2500	
82B079.	INDA-3	INDA-3	243091.5000	0.57

Averages
RSD 242397.8750
0.41

g-BHC (LINDANE)

DATA FILE NAME	Sample Name	Sample Number	AREA (SAMPLE)	PERCENT DIFFERENCE AREA#1 - AREA#2 / #1 X 100
7b005.	INDA-3		64495.0000	
82B079.	INDA-3	INDA-3	66283.5938	2.8

Averages
RSD 65389.2969
1.93

HEPTACHLOR

DATA FILE NAME	Sample Name	Sample Number	AREA (SAMPLE)	PERCENT DIFFERENCE AREA#1 - AREA#2 / #1 X 100
7b005.	INDA-3		147457.2500	
82B079.	INDA-3	INDA-3	147381.5000	0.7

Averages
RSD 147419.3750
0.04

ALDRIN

DATA FILE NAME	Sample Name	Sample Number	AREA (SAMPLE)	PERCENT DIFFERENCE AREA#1 - AREA#2 / #1 X 100
7b005.	INDA-3		126912.5000	
82B079.	INDA-3	INDA-3	113501.5000	10.6

Averages
RSD 120207.0000
7.89

HEPT. EPOX.

DATA FILE NAME	Sample Name	Sample Number	AREA (SAMPLE)	PERCENT DIFFERENCE AREA#1 - AREA#2 / #1 X 100
7b005.	INDA-3		131972.5000	
82B079.	INDA-3	INDA-3	122703.5000	7.0

Averages
RSD 127338.0000
5.15

ENDO I

DATA FILE NAME	Sample Name	Sample Number	AREA (SAMPLE)	PERCENT DIFFERENCE AREA#1 - AREA#2 / #1 X 100
7b005.	INDA-3		117872.5000	
82B079.	INDA-3	INDA-3	118874.5000	0.85

Averages
RSD 118373.5000
0.60

DIELDRIN

DATA FILE NAME	Sample Name	Sample Number	AREA (SAMPLE)	PERCENT DIFFERENCE AREA#1 - AREA#2 / #1 X 100
7b005.	INDA-3		111107.2500	
82B079.	INDA-3	INDA-3	101790.7500	8.5

Averages
RSD 106449.0000
6.19

ENDO II

DATA FILE NAME	Sample Name	Sample Number	AREA (SAMPLE)	PERCENT DIFFERENCE AREA#1 - AREA#2 / #1 X 100
7b005.	INDA-3		179272.0000	
82B079.	INDA-3	INDA-3	169853.0000	5.2

Averages
RSD 174562.5000
3.82

p,p-DDT

DATA FILE NAME	Sample Name	Sample Number	AREA (SAMPLE)	PERCENT DIFFERENCE AREA#1 - AREA#2 / #1 X 100
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000044

7b005.	INDA-3		155806.0000	
82b079.	INDA-3	INDA-3	149968.0000	3.8
Averages			152887.0000	
SD			2.70	

ENDRIN ALDEHYDE

DATA FILE NAME	Sample Name	Sample Number	AREA (SAMPLE)	PERCENT DIFFERENCE AREA#1 - AREA#2 / #1 X 100
7b005.	INDA-3		156224.9375	
82b079.	INDA-3	INDA-3	149018.0000	4.6
Averages			152621.4688	
SD			3.34	

DIBUTYLCHLORENDATE

DATA FILE NAME	Sample Name	Sample Number	AREA (SAMPLE)	PERCENT DIFFERENCE AREA#1 - AREA#2 / #1 X 100
7b005.	INDA-3		295131.0000	
82b079.	INDA-3	INDA-3	255286.2500	13.5
Averages			275208.6250	
SD			10.24	

METHOXYCHLOR

DATA FILE NAME	Sample Name	Sample Number	AREA (SAMPLE)	PERCENT DIFFERENCE AREA#1 - AREA#2 / #1 X 100
7b005.	INDA-3		470052.5000	
82b079.	INDA-3	INDA-3	486141.0000	3.4
Averages			478096.7500	
SD			2.38	

DCB

DATA FILE NAME	Sample Name	Sample Number	AREA (SAMPLE)	PERCENT DIFFERENCE AREA#1 - AREA#2 / #1 X 100
7b005.	INDA-3		285347.5000	
82b079.	INDA-3	INDA-3	261702.0625	8.3
Averages			273524.7813	
SD			6.11	

STANDARD AREA %D SUMMARY

TANDARD: INDB INSTRUMENT: HPIA SEQUENCES: 177 182
 COLUMN: DB-170/0.53mm

TCX

DATA FILE NAME	Sample Name	Sample Number	AREA (SAMPLE)	PERCENT DIFFERENCE AREA#1 - AREA#2 / #1 X 100
7a011.	INDB-3		625366.7500	
2a080.	INDB-3	INDB-3	813114.5000	30.0
Averages			719240.6250	
SD			18.46	

a-BHC

DATA FILE NAME	Sample Name	Sample Number	AREA (SAMPLE)	PERCENT DIFFERENCE AREA#1 - AREA#2 / #1 X 100
7a011.	INDB-3		189384.5000	
2a080.	INDB-3	INDB-3	267126.0000	41.0
Averages			228255.2500	
SD			24.08	

b-BHC

DATA FILE NAME	Sample Name	Sample Number	AREA (SAMPLE)	PERCENT DIFFERENCE AREA#1 - AREA#2 / #1 X 100
7a011.	INDB-3		188870.2500	
2a080.	INDB-3	INDB-3	266232.5000	40.9
Averages			227551.3750	
SD			24.04	

d-BHC

DATA FILE NAME	Sample Name	Sample Number	AREA (SAMPLE)	PERCENT DIFFERENCE AREA#1 - AREA#2 / #1 X 100
7a011.	INDB-3		260415.5000	
2a080.	INDB-3	INDB-3	444596.9063	70.7
Averages			352506.1875	
SD			36.95	

g-CHLORDANE

DATA FILE NAME	Sample Name	Sample Number	AREA (SAMPLE)	PERCENT DIFFERENCE AREA#1 - AREA#2 / #1 X 100
7a011.	INDB-3		334292.9375	
2a080.	INDB-3	INDB-3	469509.5000	60.4
Averages			401901.2188	
SD			23.79	

a-ChLORDANE

DATA FILE NAME	Sample Name	Sample Number	AREA (SAMPLE)	PERCENT DIFFERENCE AREA#1 - AREA#2 / #1 X 100
7a011.	INDB-3		358142.5625	
2a080.	INDB-3	INDB-3	514855.0000	43.8
Averages			436498.7813	
SD			25.39	

p,p-DDE

DATA FILE NAME	Sample Name	Sample Number	AREA (SAMPLE)	PERCENT DIFFERENCE AREA#1 - AREA#2 / #1 X 100
7a011.	INDB-3		222217.0000	
2a080.	INDB-3	INDB-3	371629.0000	67.2
Averages			296923.0000	
SD			35.58	

ENDRIN

DATA FILE NAME	Sample Name	Sample Number	AREA (SAMPLE)	PERCENT DIFFERENCE AREA#1 - AREA#2 / #1 X 100
7a011.	INDB-3		225960.5000	
2a080.	INDB-3	INDB-3	375296.0000	66.1
Averages			300628.2500	
SD			35.13	

p,p-DDD

DATA FILE NAME	Sample Name	Sample Number	AREA (SAMPLE)	PERCENT DIFFERENCE AREA#1 - AREA#2 / #1 X 100
7a011.	INDB-3		225960.5000	
2a080.	INDB-3	INDB-3	375296.0000	66.1
Averages			300628.2500	
SD			35.13	

000046

7a011. INDB-3 276349.8750
82a080. INDB-3 INDB-3 530343.5000

91.9

Averages 403346.6875
SD 44.53

ENDOSULF. SULFATE

DATA FILE NAME Sample Name Sample Number AREA (SAMPLE) PERCENT DIFFERENCE | AREA#1 - AREA#2 | / #1 X 100

7a011. INDB-3 478597.1875
82a080. INDB-3 INDB-3 668957.2500

39.8

Averages 573777.2500
SD 23.46

DIBUTYLCHLORENDATE

DATA FILE NAME Sample Name Sample Number AREA (SAMPLE) PERCENT DIFFERENCE | AREA#1 - AREA#2 | / #1 X 100

7a011. INDB-3 671008.8750
82a080. INDB-3 INDB-3 964927.0625

42.8

Averages 817968.0000
SD 25.41

ENDRIN KETONE

DATA FILE NAME Sample Name Sample Number AREA (SAMPLE) PERCENT DIFFERENCE | AREA#1 - AREA#2 | / #1 X 100

7a011. INDB-3 382285.5000
82a080. INDB-3 INDB-3 636355.8750

66.5

Averages 509320.6875
SD 35.27

DCB

DATA FILE NAME Sample Name Sample Number AREA (SAMPLE) PERCENT DIFFERENCE | AREA#1 - AREA#2 | / #1 X 100

7a011. INDB-3 539725.3750
82a080. INDB-3 INDB-3 725517.5000

34.4

Averages 632621.4375
SD 20.77

77b011.	INDB-3		138981.0313	
182b080.	INDB-3	INDB-3	127113.5000	8.5
Averages			133047.2656	
RSD			6.31	

ENDOSULF. SULFATE

DATA FILE NAME	Sample Name	Sample Number	AREA (SAMPLE)	PERCENT DIFFERENCE AREA#1 - AREA#2 / #1 X 100
77b011.	INDB-3		168633.0000	
182b080.	INDB-3	INDB-3	165288.0000	2.0
Averages			166960.5000	
RSD			1.42	

DIBUTYLCHLORENDATE

DATA FILE NAME	Sample Name	Sample Number	AREA (SAMPLE)	PERCENT DIFFERENCE AREA#1 - AREA#2 / #1 X 100
77b011.	INDB-3		321974.0000	
182b080.	INDB-3	INDB-3	260533.5000	19
Averages			291253.7500	
RSD			14.92	

ENDRIN KETONE

DATA FILE NAME	Sample Name	Sample Number	AREA (SAMPLE)	PERCENT DIFFERENCE AREA#1 - AREA#2 / #1 X 100
77b011.	INDB-3		201731.0000	
182b080.	INDB-3	INDB-3	188849.5000	6.4
Averages			195290.2500	
RSD			4.66	

DCB

DATA FILE NAME	Sample Name	Sample Number	AREA (SAMPLE)	PERCENT DIFFERENCE AREA#1 - AREA#2 / #1 X 100
77b011.	INDB-3		318954.0000	
182b080.	INDB-3	INDB-3	274620.5000	13.9
Averages			296787.2500	
RSD			10.56	

STANDARD AREA %D SUMMARY

STANDARD: WFB INSTRUMENT: HPA SEQUENCES: 127 122
 COLUMN: _____

TCX

DATA FILE NAME	Sample Name	Sample Number	AREA (SAMPLE)	PERCENT DIFFERENCE AREA#1 - AREA#2 / #1 X 100
77a011.	INDB-3		625366.7500	23.3
82a094.	INDB-3		770981.7500	
Averages RSD			698174.2500 14.75	

a-BHC

DATA FILE NAME	Sample Name	Sample Number	AREA (SAMPLE)	PERCENT DIFFERENCE AREA#1 - AREA#2 / #1 X 100
77a011.	INDB-3		189384.5000	37.6
82a094.	INDB-3		260569.5000	
Averages RSD			224977.0000 22.37	

b-BHC

DATA FILE NAME	Sample Name	Sample Number	AREA (SAMPLE)	PERCENT DIFFERENCE AREA#1 - AREA#2 / #1 X 100
77a011.	INDB-3		188870.2500	32.6
82a094.	INDB-3		256188.4375	
Averages RSD			222529.3438 21.39	

d-BHC

DATA FILE NAME	Sample Name	Sample Number	AREA (SAMPLE)	PERCENT DIFFERENCE AREA#1 - AREA#2 / #1 X 100
77a011.	INDB-3		260415.5000	55.5
82a094.	INDB-3		405020.5000	
Averages RSD			332718.0000 30.73	

g-CHLORDANE

DATA FILE NAME	Sample Name	Sample Number	AREA (SAMPLE)	PERCENT DIFFERENCE AREA#1 - AREA#2 / #1 X 100
77a011.	INDB-3		334292.9375	46.0
82a094.	INDB-3		467916.6875	
Averages RSD			401104.8125 23.56	

a-CHLORDANE

DATA FILE NAME	Sample Name	Sample Number	AREA (SAMPLE)	PERCENT DIFFERENCE AREA#1 - AREA#2 / #1 X 100
77a011.	INDB-3		358142.5625	44.2
82a094.	INDB-3		516459.3750	
Averages RSD			437300.9688 25.60	

p,p-DDE

DATA FILE NAME	Sample Name	Sample Number	AREA (SAMPLE)	PERCENT DIFFERENCE AREA#1 - AREA#2 / #1 X 100
77a011.	INDB-3		222217.0000	60
82a094.	INDB-3		354884.5000	
Averages RSD			288550.7500 32.51	

ENDRIN

DATA FILE NAME	Sample Name	Sample Number	AREA (SAMPLE)	PERCENT DIFFERENCE AREA#1 - AREA#2 / #1 X 100
77a011.	INDB-3		225960.5000	39.5
82a094.	INDB-3		380427.5000	
Averages RSD			303194.0000 36.03	

p,p-DDD

DATA FILE NAME	Sample Name	Sample Number	AREA (SAMPLE)	PERCENT DIFFERENCE AREA#1 - AREA#2 / #1 X 100
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000050

a011. INDB-3 276349.8750
2a094. INDB-3 505954.2500

85.1

Averages 391152.0625
D 41.51

ENDOSULF. SULFATE

DATA FILE NAME	Sample Name	Sample Number	AREA (SAMPLE)	PERCENT DIFFERENCE AREA#1 - AREA#2 / #1 X 100
a011.	INDB-3		478597.1875	
2a094.	INDB-3		684235.6875	

42.9

Averages 581416.4375
D 25.01

DIBUTYLCHLORENDATE

DATA FILE NAME	Sample Name	Sample Number	AREA (SAMPLE)	PERCENT DIFFERENCE AREA#1 - AREA#2 / #1 X 100
a011.	INDB-3		671008.8750	
2a094.	INDB-3		973072.3125	

45.0

Averages 822040.6250
D 25.98

ENDRIN KETONE

DATA FILE NAME	Sample Name	Sample Number	AREA (SAMPLE)	PERCENT DIFFERENCE AREA#1 - AREA#2 / #1 X 100
a011.	INDB-3		382285.5000	
2a094.	INDB-3		579068.5000	

51.5

Averages 480677.0000
D 28.95

DCB

DATA FILE NAME	Sample Name	Sample Number	AREA (SAMPLE)	PERCENT DIFFERENCE AREA#1 - AREA#2 / #1 X 100
a011.	INDB-3		539725.3750	
2a094.	INDB-3		725505.0000	

34.4

Averages 632615.1875
D 20.77

STANDARD AREA %D SUMMARY

STANDARD: 7013 INSTRUMENT: 113 SEQUENCES: 77
 COLUMN: 113

a-BHC

DATA FILE NAME	Sample Name	Sample Number	AREA (SAMPLE)	PERCENT DIFFERENCE AREA#1 - AREA#2 / #1 X 100
7b011.	INDB-3		76481.5000	
82b094.	INDB-3		68211.0000	
Averages			72346.2500	
SD			8.08	

b-BHC

DATA FILE NAME	Sample Name	Sample Number	AREA (SAMPLE)	PERCENT DIFFERENCE AREA#1 - AREA#2 / #1 X 100
7b011.	INDB-3		89785.0000	
82b094.	INDB-3		83969.0000	
Averages			86877.0000	
SD			4.73	

d-BHC

DATA FILE NAME	Sample Name	Sample Number	AREA (SAMPLE)	PERCENT DIFFERENCE AREA#1 - AREA#2 / #1 X 100
7b011.	INDB-3		122587.0000	
82b094.	INDB-3		108717.5000	
Averages			115652.2500	
SD			8.48	

g-CHLORDANE

DATA FILE NAME	Sample Name	Sample Number	AREA (SAMPLE)	PERCENT DIFFERENCE AREA#1 - AREA#2 / #1 X 100
7b011.	INDB-3		142698.5000	
82b094.	INDB-3		119236.5000	
Averages			130967.5000	
SD			12.67	

a-CHLORDANE

DATA FILE NAME	Sample Name	Sample Number	AREA (SAMPLE)	PERCENT DIFFERENCE AREA#1 - AREA#2 / #1 X 100
7b011.	INDB-3		148493.5000	
82b094.	INDB-3		123013.5000	
Averages			135753.5000	
SD			13.27	

p,p-DDZ

DATA FILE NAME	Sample Name	Sample Number	AREA (SAMPLE)	PERCENT DIFFERENCE AREA#1 - AREA#2 / #1 X 100
7b011.	INDB-3		100882.2813	
82b094.	INDB-3		88289.0000	
Averages			94585.6406	
SD			9.42	

ENDRIN

DATA FILE NAME	Sample Name	Sample Number	AREA (SAMPLE)	PERCENT DIFFERENCE AREA#1 - AREA#2 / #1 X 100
7b011.	INDB-3		98597.0000	
82b094.	INDB-3		88669.5000	
Averages			93633.2500	
SD			7.50	

p,p-DDD

DATA FILE NAME	Sample Name	Sample Number	AREA (SAMPLE)	PERCENT DIFFERENCE AREA#1 - AREA#2 / #1 X 100
7b011.	INDB-3		138981.0313	
82b094.	INDB-3		121751.2188	
Averages			130366.1250	
SD			9.35	

ENDOSULF. SULFATE

DATA FILE NAME	Sample Name	Sample Number	AREA (SAMPLE)	PERCENT DIFFERENCE AREA#1 - AREA#2 / #1 X 100
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000052

7b011. INDB-3 168633.0000
182b094. INDB-3 159073.0625

5.6

verages 163853.0313
SD 4.13

ENDRIN KETONE

DATA Sample Name Sample AREA PERCENT DIFFERENCE
LE NAME Number (SAMPLE) | AREA#1 - AREA#2 | / #1 X 100

7b011. INDB-3 201731.0000
182b094. INDB-3 191051.5000

5.3

verages 196391.2500
SD 3.85

000053

RT WINDOW SUMMARY REPORT

STANDARD: SWMP3

INSTRUMENT: HP1A

SEQUENCE: 182

File Name	Sample Name	Sample Number	TCX			a-BHC		
			RT (actual)	RT WINDOW FROM	RT WINDOW TO	RT (actual)	RT WINDOW FROM	RT WINDOW TO
182a094.	INDB-3		6.55	6.48	6.62	9.35	9.28	9.42
Averages			6.55	6.48	6.62	9.35	9.28	9.42

File Name	Sample Name	Sample Number	b-BHC			d-BHC		
			RT (actual)	RT WINDOW FROM	RT WINDOW TO	RT (actual)	RT WINDOW FROM	RT WINDOW TO
182a094.	INDB-3		13.05	12.98	13.12	13.90	13.83	13.97
Averages			13.05	12.98	13.12	13.90	13.83	13.97

File Name	Sample Name	Sample Number	g-CHLORDANE			a-CHLORDANE		
			RT (actual)	RT WINDOW FROM	RT WINDOW TO	RT (actual)	RT WINDOW FROM	RT WINDOW TO
182a094.	INDB-3		15.71	15.64	15.78	15.90	15.83	15.97
Averages			15.71	15.64	15.78	15.90	15.83	15.97

File Name	Sample Name	Sample Number	p,p-DDE			ENDRIN		
			RT (actual)	RT WINDOW FROM	RT WINDOW TO	RT (actual)	RT WINDOW FROM	RT WINDOW TO
182a094.	INDB-3		16.27	16.20	16.34	17.44	17.37	17.51
Averages			16.27	16.20	16.34	17.44	17.37	17.51

File Name	Sample Name	Sample Number	p,p-DDD			ENDOSULF. SULFATE		
			RT (actual)	RT WINDOW FROM	RT WINDOW TO	RT (actual)	RT WINDOW FROM	RT WINDOW TO
182a094.	INDB-3		18.77	18.70	18.84	21.21	21.14	21.28
Averages			18.77	18.70	18.84	21.21	21.14	21.28

File Name	Sample Name	Sample Number	DIBUTYLCHLORODATE			ENDRIN KETONE		
			RT (actual)	RT WINDOW FROM	RT WINDOW TO	RT (actual)	RT WINDOW FROM	RT WINDOW TO
182a094.	INDB-3		21.54	21.47	21.61	22.56	22.49	22.63
Averages			21.54	21.47	21.61	22.56	22.49	22.63

File Name	Sample Name	Sample Number	DCB		
			RT (actual)	RT WINDOW FROM	RT WINDOW TO
182a094.	INDB-3		26.07	26.00	26.14
Averages			26.07	26.00	26.14

000054

RT WINDOW SUMMARY REPORT

STANDARD: JUNK INSTRUMENT: 11P03 SEQUENCE: 122

File Name	Sample Name	Sample Number	TCX			a-BHC		
			RT (actual)	RT WINDOW FROM	RT WINDOW TO	RT (actual)	RT WINDOW FROM	RT WINDOW TO
182b094.	INDB-3		7.35	7.28	7.42	9.79	9.72	9.86
Averages			7.35	7.28	7.42	9.79	9.72	9.86

File Name	Sample Name	Sample Number	b-BHC			d-BHC		
			RT (actual)	RT WINDOW FROM	RT WINDOW TO	RT (actual)	RT WINDOW FROM	RT WINDOW TO
182b094.	INDB-3		11.46	11.39	11.53	12.77	12.70	12.84
Averages			11.46	11.39	11.53	12.77	12.70	12.84

File Name	Sample Name	Sample Number	g-CHLORDANE			a-CHLORDANE		
			RT (actual)	RT WINDOW FROM	RT WINDOW TO	RT (actual)	RT WINDOW FROM	RT WINDOW TO
182b094.	INDB-3		16.14	16.07	16.21	16.71	16.64	16.78
Averages			16.14	16.07	16.21	16.71	16.64	16.78

File Name	Sample Name	Sample Number	p,p-DDR			ENDRIN		
			RT (actual)	RT WINDOW FROM	RT WINDOW TO	RT (actual)	RT WINDOW FROM	RT WINDOW TO
182b094.	INDB-3		17.59	17.52	17.66	19.13	19.06	19.20
Averages			17.59	17.52	17.66	19.13	19.06	19.20

File Name	Sample Name	Sample Number	p,p-DDD			ENDOSULF. SULFATE		
			RT (actual)	RT WINDOW FROM	RT WINDOW TO	RT (actual)	RT WINDOW FROM	RT WINDOW TO
182b094.	INDB-3		19.51	19.44	19.58	21.31	21.24	21.38
Averages			19.51	19.44	19.58	21.31	21.24	21.38

File Name	Sample Name	Sample Number	DISUTYLCHLORODATE			ENDRIN KETOHE		
			RT (actual)	RT WINDOW FROM	RT WINDOW TO	RT (actual)	RT WINDOW FROM	RT WINDOW TO
182b094.	INDB-3		22.29	22.22	22.36	24.16	24.09	24.23
Averages			22.29	22.22	22.36	24.16	24.09	24.23

File Name	Sample Name	Sample Number	DCB		
			RT (actual)	RT WINDOW FROM	RT WINDOW TO
182b094.	INI 3-3		30.74	30.67	30.81
Averages			30.74	30.67	30.81

RT WINDOW SUMMARY REPORT

STANDARD: IWDA INSTRUMENT: 11715 SEQUENCE: 18T

File Name	Sample Name	Sample Number	TCX			g-BHC (LINDANE)		
			RT (actual)	RT WINDOW FROM	RT WINDOW TO	RT (actual)	RT WINDOW FROM	RT WINDOW TO
105B002.	INDA-1	INDA-1	7.51	7.44	7.58	11.38	11.31	11.45
05B003.	INDA-2	INDA-2	7.51	7.44	7.58	11.38	11.31	11.45
05B004.	INDA-3	INDA-3	7.51	7.44	7.58	11.39	11.32	11.46
05B005.	INDA-4	INDA-4	7.51	7.44	7.58	11.39	11.32	11.46
105B006.	INDA-5	INDA-5	7.51	7.44	7.58	11.39	11.32	11.46
Averages			7.51	7.44	7.58	11.39	11.32	11.46

File Name	Sample Name	Sample Number	HEPTACHLOR			ALDRIN		
			RT (actual)	RT WINDOW FROM	RT WINDOW TO	RT (actual)	RT WINDOW FROM	RT WINDOW TO
05B002.	INDA-1	INDA-1	12.59	12.52	12.66	13.78	13.71	13.85
05B003.	INDA-2	INDA-2	12.60	12.53	12.67	13.78	13.71	13.85
105B004.	INDA-3	INDA-3	12.60	12.53	12.67	13.78	13.71	13.85
105B005.	INDA-4	INDA-4	12.60	12.53	12.67	13.78	13.71	13.85
05B006.	INDA-5	INDA-5	12.60	12.53	12.67	13.78	13.71	13.85
Averages			12.60	12.53	12.67	13.78	13.71	13.85

File Name	Sample Name	Sample Number	HEPT. EPOX.			ENDO I		
			RT (actual)	RT WINDOW FROM	RT WINDOW TO	RT (actual)	RT WINDOW FROM	RT WINDOW TO
05B002.	INDA-1	INDA-1	15.77	15.70	15.84	17.03	16.96	17.10
05B003.	INDA-2	INDA-2	15.78	15.71	15.85	17.03	16.96	17.10
05B004.	INDA-3	INDA-3	15.78	15.71	15.85	17.03	16.96	17.10
05B005.	INDA-4	INDA-4	15.78	15.71	15.85	17.03	16.96	17.10
05B006.	INDA-5	INDA-5	15.78	15.71	15.85	17.03	16.96	17.10
Averages			15.78	15.71	15.85	17.03	16.96	17.10

File Name	Sample Name	Sample Number	DIELDRIN			ENDO II		
			RT (actual)	RT WINDOW FROM	RT WINDOW TO	RT (actual)	RT WINDOW FROM	RT WINDOW TO
105B002.	INDA-1	INDA-1	18.10	18.03	18.17	19.99	19.92	20.06
05B003.	INDA-2	INDA-2	18.10	18.03	18.17	20.00	19.93	20.07
05B004.	INDA-3	INDA-3	18.10	18.03	18.17	20.00	19.93	20.07
05B005.	INDA-4	INDA-4	18.10	18.03	18.17	20.00	19.93	20.07
05B006.	INDA-5	INDA-5	18.10	18.03	18.17	20.00	19.93	20.07
Averages			18.10	18.03	18.17	20.00	19.93	20.07

File Name	Sample Name	Sample Number	D,p-DDT			ENDRIN ALDEHYDE		
			RT (actual)	RT WINDOW FROM	RT WINDOW TO	RT (actual)	RT WINDOW FROM	RT WINDOW TO
05B002.	INDA-1	INDA-1	20.78	20.71	20.85	21.12	21.05	21.19
05B003.	INDA-2	INDA-2	20.78	20.71	20.85	21.12	21.05	21.19
05B004.	INDA-3	INDA-3	20.79	20.72	20.86	21.12	21.05	21.19
05B005.	INDA-4	INDA-4	20.78	20.71	20.85	21.12	21.05	21.19
05B006.	INDA-5	INDA-5	20.79	20.72	20.86	21.12	21.05	21.19
Averages			20.78	20.71	20.85	21.12	21.05	21.19

File Name	Sample Name	Sample Number	DIBUTYLCHLORODATE			METHOXYCHLOR		
			RT (actual)	RT WINDOW FROM	RT WINDOW TO	RT (actual)	RT WINDOW FROM	RT WINDOW TO
05B002.	INDA-1	INDA-1	22.53	22.46	22.60	23.94	23.87	24.01
05B003.	INDA-2	INDA-2	22.53	22.46	22.60	23.94	23.87	24.01
05B004.	INDA-3	INDA-3	22.53	22.46	22.60	23.94	23.87	24.01
05B005.	INDA-4	INDA-4	22.54	22.47	22.61	23.94	23.87	24.01
05B006.	INDA-5	INDA-5	22.54	22.47	22.61	23.94	23.87	24.01
Averages			22.53	22.46	22.60	23.94	23.87	24.01

File Name	Sample Name	Sample Number	DCB		
			RT (actual)	RT WINDOW FROM	RT WINDOW TO
105B002.	INDA-1	INDA-1	-----	-----	-----
05B003.	INDA-2	INDA-2	-----	-----	-----
05B004.	INDA-3	INDA-3	-----	-----	-----
05B005.	INDA-4	INDA-4	-----	-----	-----
05B006.	INDA-5	INDA-5	-----	-----	-----
Averages			-----	-----	-----

000056

RT WINDOW SUMMARY REPORT

TANDARD: TWMB INSTRUMENT: 1-1715 SEQUENCE: 185

File Name	Sample Name	Sample Number	TCX			a-BBC		
			RT (actual)	RT WINDOW FROM	RT WINDOW TO	RT (actual)	RT WINDOW FROM	RT WINDOW TO
1	B008. INDB-1	INDB-1	7.51	7.44	7.58	9.97	9.90	10.04
1	B009. INDB-2	INDB-2	7.51	7.44	7.58	9.97	9.90	10.04
1	B010. INDB-3	INDB-3	7.51	7.44	7.58	9.97	9.90	10.04
1	B011. INDB-4	INDB-4	7.51	7.44	7.58	9.97	9.90	10.04
1	B012. INDB-5	INDB-5	7.51	7.44	7.58	9.97	9.90	10.04
Averages			7.51	7.44	7.58	9.97	9.90	10.04

File Name	Sample Name	Sample Number	b-BBC			d-BBC		
			RT (actual)	RT WINDOW FROM	RT WINDOW TO	RT (actual)	RT WINDOW FROM	RT WINDOW TO
1	B008. INDB-1	INDB-1	11.65	11.58	11.72	12.97	12.90	13.04
1	B009. INDB-2	INDB-2	11.65	11.58	11.72	12.97	12.90	13.04
1	B010. INDB-3	INDB-3	11.65	11.58	11.72	12.97	12.90	13.04
1	B011. INDB-4	INDB-4	11.65	11.58	11.72	12.97	12.90	13.04
1	B012. INDB-5	INDB-5	11.66	11.59	11.73	12.97	12.90	13.04
Averages			11.65	11.58	11.72	12.97	12.90	13.04

File Name	Sample Name	Sample Number	g-CHLORDANE			a-CHLORDANE		
			RT (actual)	RT WINDOW FROM	RT WINDOW TO	RT (actual)	RT WINDOW FROM	RT WINDOW TO
1	B008. INDB-1	INDB-1	16.37	16.30	16.44	16.93	16.86	17.00
1	B009. INDB-2	INDB-2	16.37	16.30	16.44	16.93	16.86	17.00
1	B010. INDB-3	INDB-3	16.37	16.30	16.44	16.93	16.86	17.00
1	B011. INDB-4	INDB-4	16.37	16.30	16.44	16.93	16.86	17.00
1	B012. INDB-5	INDB-5	16.37	16.30	16.44	16.93	16.86	17.00
Averages			16.37	16.30	16.44	16.93	16.86	17.00

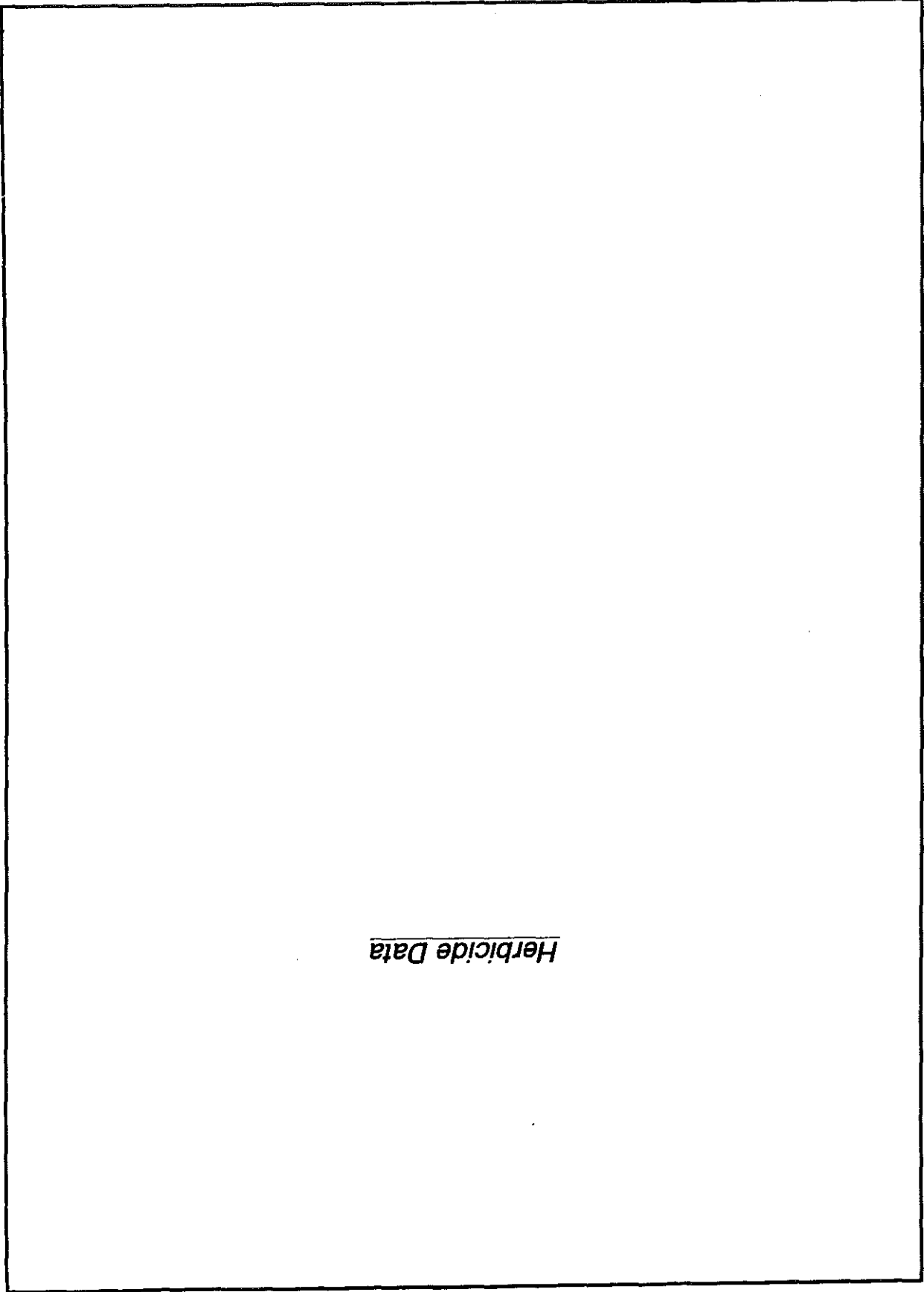
File Name	Sample Name	Sample Number	p,p-DDD			ENDRIN		
			RT (actual)	RT WINDOW FROM	RT WINDOW TO	RT (actual)	RT WINDOW FROM	RT WINDOW TO
1	B008. INDB-1	INDB-1	17.82	17.75	17.89	19.37	19.30	19.44
1	B009. INDB-2	INDB-2	17.82	17.75	17.89	19.37	19.30	19.44
1	B010. INDB-3	INDB-3	17.82	17.75	17.89	19.37	19.30	19.44
1	B011. INDB-4	INDB-4	17.82	17.75	17.89	19.37	19.30	19.44
1	B012. INDB-5	INDB-5	17.82	17.75	17.89	19.38	19.31	19.45
Averages			17.82	17.75	17.89	19.37	19.30	19.44

File Name	Sample Name	Sample Number	p,p-DDD			ENDOSULF. SULFATE		
			RT (actual)	RT WINDOW FROM	RT WINDOW TO	RT (actual)	RT WINDOW FROM	RT WINDOW TO
1	B008. INDB-1	INDB-1	19.75	19.68	19.82	21.55	21.48	21.62
1	B009. INDB-2	INDB-2	19.75	19.68	19.82	21.55	21.48	21.62
1	B010. INDB-3	INDB-3	19.75	19.68	19.82	21.55	21.48	21.62
1	B011. INDB-4	INDB-4	19.75	19.68	19.82	21.56	21.49	21.63
1	B012. INDB-5	INDB-5	19.75	19.68	19.82	21.56	21.49	21.63
Averages			19.75	19.68	19.82	21.56	21.49	21.63

File Name	Sample Name	Sample Number	DIBUTYLCHLORODATE			ENDRIN KETONE		
			RT (actual)	RT WINDOW FROM	RT WINDOW TO	RT (actual)	RT WINDOW FROM	RT WINDOW TO
1	B008. INDB-1	INDB-1	22.53	22.46	22.60	24.50	24.43	24.57
1	B009. INDB-2	INDB-2	22.54	22.47	22.61	24.50	24.43	24.57
1	B010. INDB-3	INDB-3	22.54	22.47	22.61	24.50	24.43	24.57
1	B011. INDB-4	INDB-4	22.54	22.47	22.61	24.50	24.43	24.57
1	B012. INDB-5	INDB-5	22.54	22.47	22.61	24.51	24.44	24.58
Averages			22.54	22.47	22.61	24.50	24.43	24.57

File Name	Sample Name	Sample Number	DCB		
			RT (actual)	RT WINDOW FROM	RT WINDOW TO
1	B008. INDB-1	INDB-1	31.34	31.27	31.41
1	B009. INDB-2	INDB-2	31.34	31.27	31.41
1	B010. INDB-3	INDB-3	31.34	31.27	31.41
1	B011. INDB-4	INDB-4	31.34	31.27	31.41
1	B012. INDB-5	INDB-5	31.34	31.27	31.41
Averages			31.34	31.27	31.41

000057



Herbicide Data

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8150 - FORM 1
NYTEST ENVIRONMENTAL INC.

CHLORINATED PHENOXY HERBICIDES ANALYSIS DATA SHEET

SAMPLE MATRIX: WATER SAMPLE ID: 2044-1
CONC. LEVEL: LOW LAB SAMPLE ID: 2252119
EXTRACTION DATE: 11/15/94 DIL FACTOR: 4.00
ANALYSIS DATE: 12/05/94 % MOISTURE: NA

CMPD #	CAS Number	HERBICIDE COMPOUND	UG/L
1	94-75-7	2,4-D	4.0 U
2	93-71-1	2,4,5-TP (Silvex)	0.40 U
3	93-76-5	2,4,5-T	0.40 U
4	94-82-6	2,4-DB	8.0 U
5	75-99-0	Dalapon	10.0 U
6	1918-00-9	Dicamba	0.40 U
7	88-85-7	Dinoseb	2.00 U
8	120-36-5	2,4-DP (Dichloroprop)	4.0 U
9	94-74-6	MCPA	1000 U
10	93-65-2	MCPP	1000 U

000002

Sample Name : 22521-19

Sample #: 2044-1

Page 1 of 1

File Name : C:\TC4\PE1\229A049.raw

Date : 12/6/94 16:32

Method : 8150P1AC

Time of Injection: 12/5/94 11:59

Start Time : 0.00 min

End Time : 20.00 min

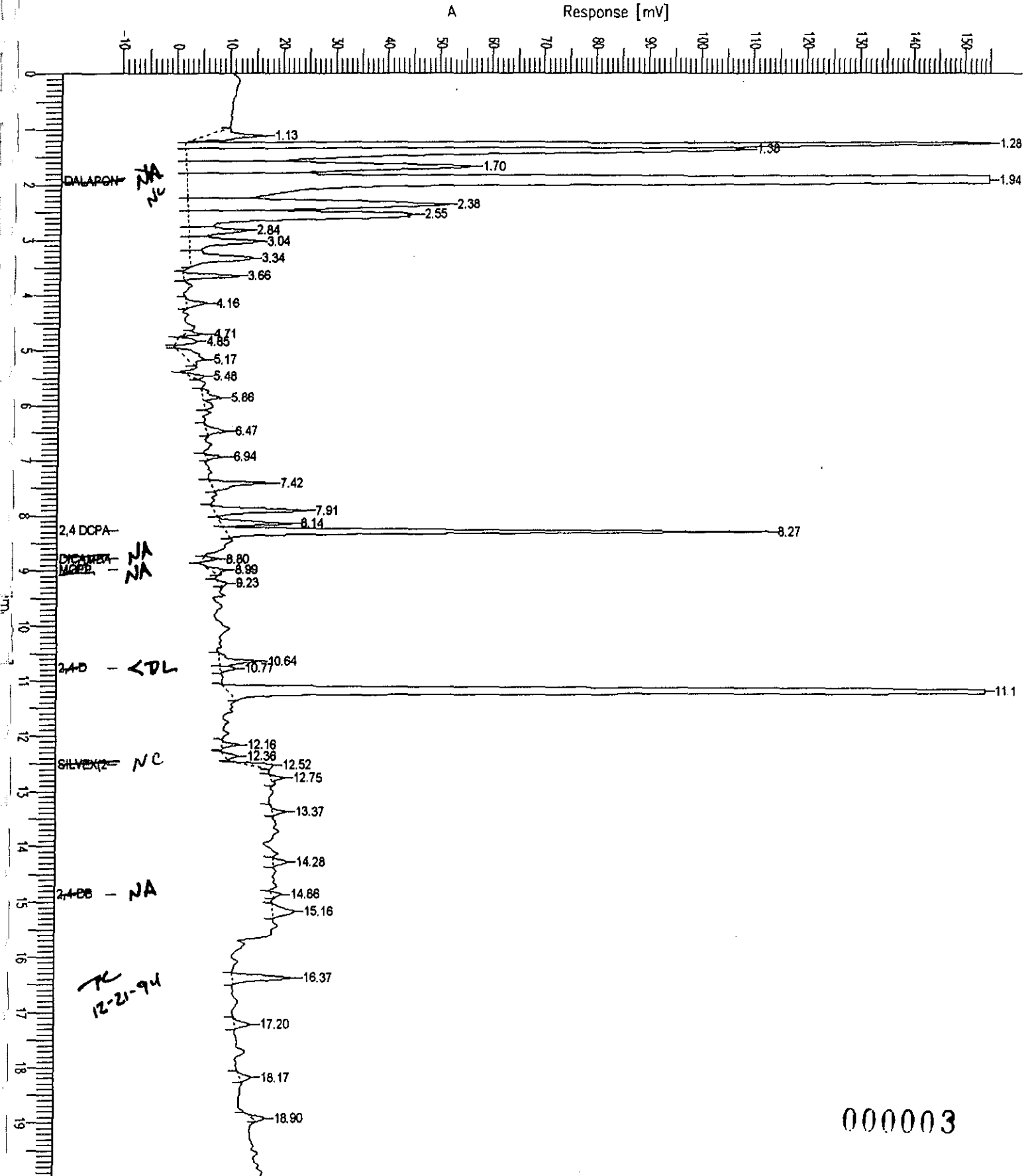
Low Point : -10.00 mV

High Point : 155.00 mV

Scale Factor: 0.0

Plot Offset: -10 mV

Plot Scale: 165.0 mV



Software Version: 4.0<1C29>

Sample Name : 22521-19

Time : 12/6/94 16:32

Sample Number: 2044-1

Study : A. 22521 11/15

Operator : PATRICK

Instrument : 970-1: PE1

Channel : A

A/D mV Range : 10000

AutoSampler :

Rack/Vial : 0/0

Interface Serial # : 9161570931 Data Acquisition Time: 12/5/94 11:59

Delay Time : 0.00 min.

Load Time : 20.00 min.

Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\TC4\PE1\229A049.RAW

Result File : C:\TC4\PE1\229A049.RST

Inst Method : 8150P1AC from C:\TC4\PE1\229A049.RST

Proc Method : C:\TC4\METHODS\8150P1AC.mth

Calib Method : C:\TC4\METHODS\229A8150.mth

Sequence File : C:\TC4\PE1\229.SEQ

Sample Volume : 1 ul

Area Reject : 1000.000000

Sample Amount : 250.0000

Dilution Factor : 1.00

HERB REPORT

PE1A: DB-1701 30M X 0.53 MM ID 120 C, 2Min, 7°C; 260C, 8min

Peak #	Ret Time [min]	Area [uV-sec]	Height [uV]	BL	Area/NG CAL FACT.	CR	Amount ng/ul	Amount ppb(Wet)	Component Name	Comments NC/CON/<DL
1	1.13	69830	11223	BB	1000000		0.0698	2.793		
2	1.28	847219	197175	BV	1000000		0.8472	33.889		
3	1.38	850921	107101	VV	1000000		0.8509	34.037		
4	1.70	481355	54713	VV	1000000		0.4814	19.254		
5	1.94	8667012	1627644	VV	1926034		4.4999	179.997	DALAPON	NA NC
6	2.38	458595	49829	VV	1000000		0.4586	18.344		
7	2.55	397348	43184	VV	1000000		0.3973	15.894		
8	2.84	77085	10991	VV	1000000		0.0771	3.083		
9	3.04	100068	13077	VV	1000000		0.1001	4.003		
10	3.34	91737	11847	VB	1000000		0.0917	3.669		
11	3.66	49355	10588	BB	1000000		0.0494	1.974		
12	4.16	18990	3805	BB	1000000		0.0190	0.760		
13	4.71	10520	3877	BB	1000000		0.0105	0.421		
14	4.85	23060	3897	BB	1000000		0.0231	0.922		
15	5.17	42990	3023	BB	1000000		0.0430	1.720		
16	5.48	14690	2508	BB	1000000		0.0147	0.588		
17	5.86	30760	3655	BB	1000000		0.0308	1.230		
18	6.47	19115	3637	BB	1000000		0.0191	0.765		
19	6.94	12160	3421	BB	1000000		0.0122	0.486		
20	7.42	57420	11431	BB	1000000		0.0574	2.297		
21	7.91	86221	18081	BV	1000000		0.0862	3.449		
22	8.14	58739	13801	VV	1000000		0.0587	2.350		
23	8.27	419585	107847	VB	962038		0.4361	17.446	2,4 DCPAA	44%
24	8.79	10810	2694	BB	4603720		0.0023	0.094	DICUMBA	ADL
25	8.99	19400	3079	BB	796		24.3596	974.385	MEPP	NA NC
26	9.23	7510	1418	BB	1000000		0.0075	0.300		000004

Peak	Ret Time [min]	Area [uV-sec]	Height [uV]	BL	Area/NG CAL FACT.	CR	Amount ng/ul	Amount ppb (Wet)	Component Name	Comments NC/CON/<DL
	10.64	44691	7377	BV	1000000		0.0447	1.788		
28	10.77	10389	2742	VB	1234769		0.0084	0.337		
29	11.17	2787280	738437	BB	1000000		2.7873	111.491		2,4 B <DL
	12.16	12900	3107	BB	1000000		0.0129	0.516		
	12.36	11890	2307	BB	1000000		0.0119	0.476		
	12.52	28210	4601	BB	9035528		0.0031	0.125		SILVEX(2,4,5-TP) NC B (<DL CH B)
33	12.75	12750	2486	BB	1000000		0.0127	0.510		
3	13.37	13035	2627	BB	1000000		0.0130	0.521		
	14.28	13175	2635	BB	1000000		0.0132	0.527		
	14.85	7960	1705	BB	627674		0.0127	0.507		3,4 BB NA <DL
	15.16	34820	4100	BB	1000000		0.0348	1.393		
38	16.37	65770	11569	BB	1000000		0.0658	2.631		
	17.20	15790	2991	BB	1000000		0.0158	0.632		
	18.17	11720	1989	BB	1000000		0.0117	0.469		
	18.90	12790	2186	BB	1000000		0.0128	0.512		
		16005665	3114403				36.1646	1446.582		

DATA FLAGS: NC= NOT CONFIRMED ON OTHER CHANNEL; CONF= CONFIRMED
W= OUTSIDE RT WINDOW; <DL= LESS THAN PQL; NA= NOT APPLICABLE

INITIAL V or M : 250 FINAL VOL: 10 COMPUTER CORRECTED MOISTURE? []

PREPARED BY Agatha Rimmer 12/9/94

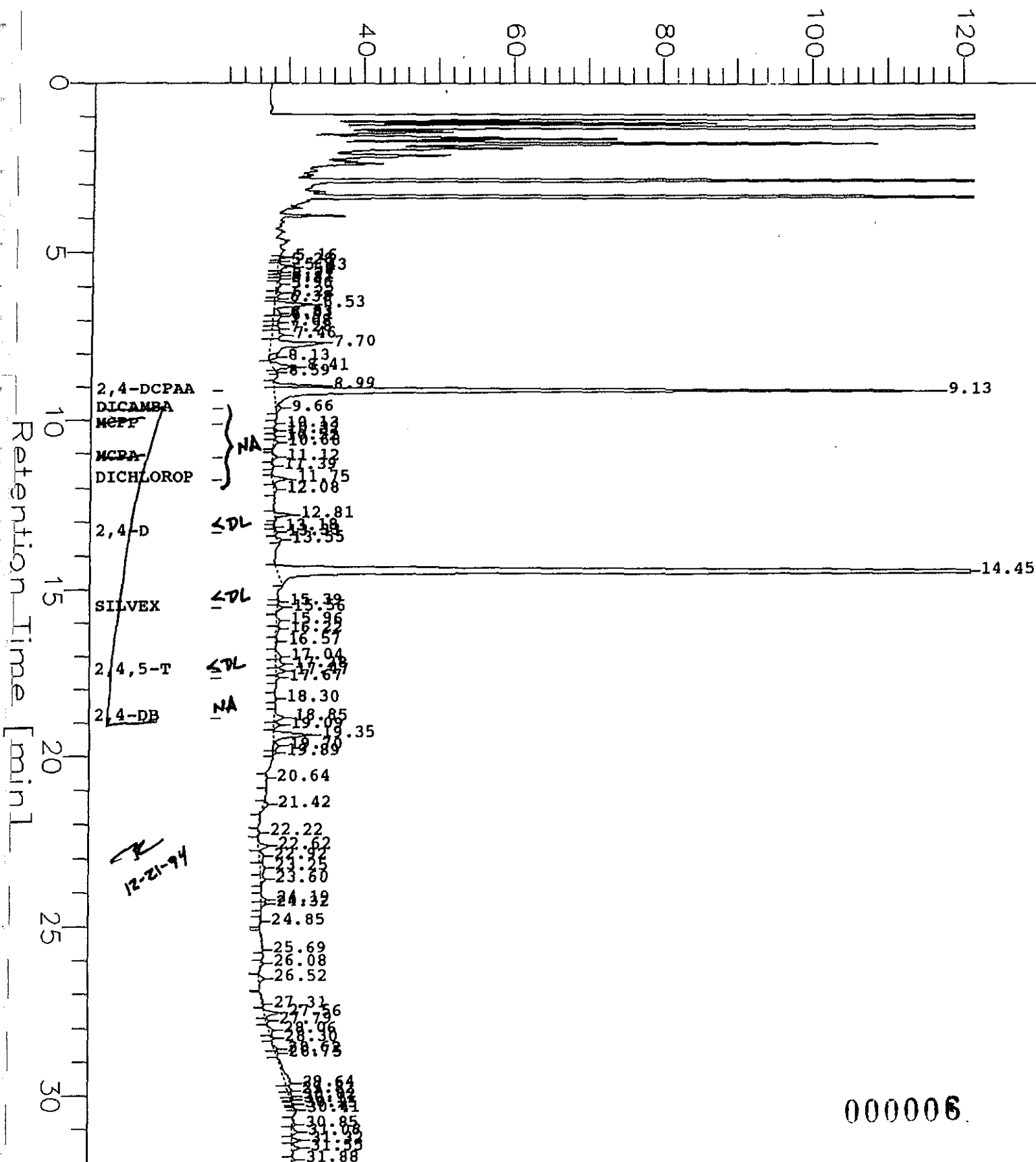
2

Sample Name : 22521-19
File Name : c:\2700\data0\187B029.raw
Method : 5890h.ins
Start Time : 0.00 min
Scale Factor : -1

End Time : 32.00 min
Plot Offset: 22 mV

Sample #: 2044-1
Date : 12/12/94 14:43
Time of Injection: 12/10/94 03:26
Low Point : 21.52 mV
High Point : 121.52 mV
Plot Scale: 100 mV

1.0ul inj/column Response[mV]



000006

Software Version: 3.2 <16C20>

Sample Name : 22521-19

Time : 12/12/94 14:42

Sample Number: 2044-1

Study : A. 22521 11/15

Operator : PATRICK

Instrument : 970-1: HP1_(5890)

Channel : B A/D mV Range : 1000

AutoSampler : NONE

Rack/Vial : 0/0

Interface Serial # : 9161570932 Data Acquisition Time: 12/10/94 03:26

Delay Time : 0.00 min.

End Time : 32.00 min.

Sampling Rate : 2.0000 pts/sec

Raw Data File : c:\2700\data0\187B029.raw

Result File : c:\2700\data0\187B029.rst

Instrument File: c:\2700\data\5890h.ins

Process File : c:\2700\data\902h.prc

Sample File : c:\2700\data\187B8150.smp

Sequence File : c:\2700\data0\187.seq

Inj. Volume : 1 ul

Area Reject : 4000.00

Sample Amount : 250.0000

Dilution Factor : 1.00

HERBICIDE REPORT HP-50+

P1-B HP-50+ 30M X 0.53 MM ID 70 C,275 C

Peak #	Ret Time [min]	Area [uV-sec]	Height [uV]	BL	Area/NG CAL FACT.	Amount ng/ul	Amount ppb(Wet)	Amount (ppb Dry)	Component Name	Comments NC/CON/<DL
3	5.43	10490	2221	VV	1000000	0.0105	0.420			
7	5.96	5506	580	VV	1000000	0.0055	0.220			
8	6.22	5092	864	VV	1000000	0.0051	0.204			
10	6.53	34840	5211	VE	1000000	0.0348	1.394			
11	6.83	8174	983	EV	1000000	0.0082	0.327			
12	6.91	8436	1075	VV	1000000	0.0084	0.337			
13	7.03	7513	869	VV	1000000	0.0075	0.301			
14	7.2	6609	1063	VV	1000000	0.0066	0.261			
15	7.46	17044	1737	VV	1000000	0.0170	0.682			
16	7.70	79458	7157	VE	1000000	0.0795	3.178			
17	8.13	10742	1225	EB	1000000	0.0107	0.430			
18	8.41	22631	3232	BV	1000000	0.0226	0.905			
20	8.99	33413	6624	BV	1000000	0.0334	1.337			
21	9.13	559770	88751	VE	1201976	0.4657	18.628		2,4-DCPAA	
22	9.66	6055	728	EB	4385444	0.0014	0.055		DICROMBA <DL	
26	10.68	5021	594	VB	1000000	0.0050	0.201			
27	11.12	4073	618	BB	12956	0.3143	12.573		MCPA <DL	
29	11.75	14072	1961	BV	1154868	0.0122	0.487		DICHLOROPROP <DL	
30	12.08	4245	369	VB	1000000	0.0042	0.170			
31	12.81	13758	2184	BB	1000000	0.0138	0.550			
35	14.45	1298462	198989	BB	1000000	1.2985	51.939			
37	15.56	5868	801	VB	5774568	0.0010	0.041		SILVEX <DL	
38	15.96	5950	571	BV	1000000	0.0060	0.238			
39	16.22	6257	526	VV	1000000	0.0063	0.250			
41	17.04	7353	639	BV	1000000	0.0074	0.294			
42	17.28	10949	1035	VV	1000000	0.0110	0.438			
43	17.47	9121	1277	VV	5445257	0.0017	0.067		2,4,5-T	
46	18.85	11020	1347	BV	792254	0.0139	0.556		2,4-DB <DL	
47	19.09	6462	917	VB	1000000	0.0065	0.259			
48	19.35	45671	5164	BE	1000000	0.0457	1.827			
49	19.70	7269	808	EV	1000000	0.0073	0.291			
52	21.42	7588	643	BB	1000000	0.0076	0.304			
54	22.62	9961	1301	VV	1000000	0.0100	0.398			
55	22.92	9097	619	VV	1000000	0.0091	0.364			
56	23.25	9516	612	VV	1000000	0.0095	0.381			
57	23.60	6069	640	VB	1000000	0.0061	0.243			
58	24.19	5271	722	BV	1000000	0.0053	0.211			
59	24.32	4761	679	VB	1000000	0.0048	0.190			
63	26.52	7576	733	BB	1000000	0.0076	0.303			
65	27.56	14838	1933	BV	1000000	0.0148	0.594			

000007

67	28.06	8169	738 BV	1000000	0.0082	0.327
69	28.62	4118	521 BV	1000000	0.0041	0.165
71	29.64	22782	933 VV	1000000	0.0228	0.911
72	29.82	4995	583 VV	1000000	0.0050	0.200
73	30.02	4206	444 VV	1000000	0.0042	0.168
77	30.85	4025	444 BV	1000000	0.0040	0.161
78	31.08	6516	839 VV	1000000	0.0065	0.261
79	31.32	7635	1255 VV	1000000	0.0076	0.305
80	31.55	9450	1213 VV	1000000	0.0095	0.378

2417890	354965	2.6181	104.725
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=====
 IC=NOT CONFIRMED; CON=CONFIRMED; PREPARED BY. *Agatha Russel* REVIEWED BY. *AB*
 =====

Patricia Carroll
 12-21-94

8150 - FORM 1
NYTEST ENVIRONMENTAL INC.

CHLORINATED PHENOXY HERBICIDES ANALYSIS DATA SHEET

SAMPLE MATRIX: WATER SAMPLE ID: 2044-2
CONC. LEVEL: LOW LAB SAMPLE ID: 2252120
EXTRACTION DATE: 11/15/94 DIL FACTOR: 4.00
ANALYSIS DATE: 12/05/94 % MOISTURE: NA

UG/L

CPD #	CAS Number	HERBICIDE COMPOUND	
1	94-75-7	2,4-D	4.0 U
2	93-71-1	2,4,5-TP (Silvex)	0.40 U
3	93-76-5	2,4,5-T	0.40 U
4	94-82-6	2,4-DB	8.0 U
5	75-99-0	Dalapon	10.0 U
6	1918-00-9	Dicamba	0.40 U
7	88-85-7	Dinoseb	2.00 U
8	120-36-5	2,4-DP (Dichloroprop)	4.0 U
9	94-74-6	MCPA	1000 U
10	93-65-2	MCPP	1000 U

000009

Chromatogram DB-1701

AGUILAR 11

Sample Name : 22521-20

Sample #: 2044-2

Page 1 of 1

File Name : C:\TC4\PE1\229A050.raw

Date : 12/6/94 16:33

Method : 8150PIAC

Time of Injection: 12/5/94 12:29

Start Time : 0.00 min

End Time : 20.00 min

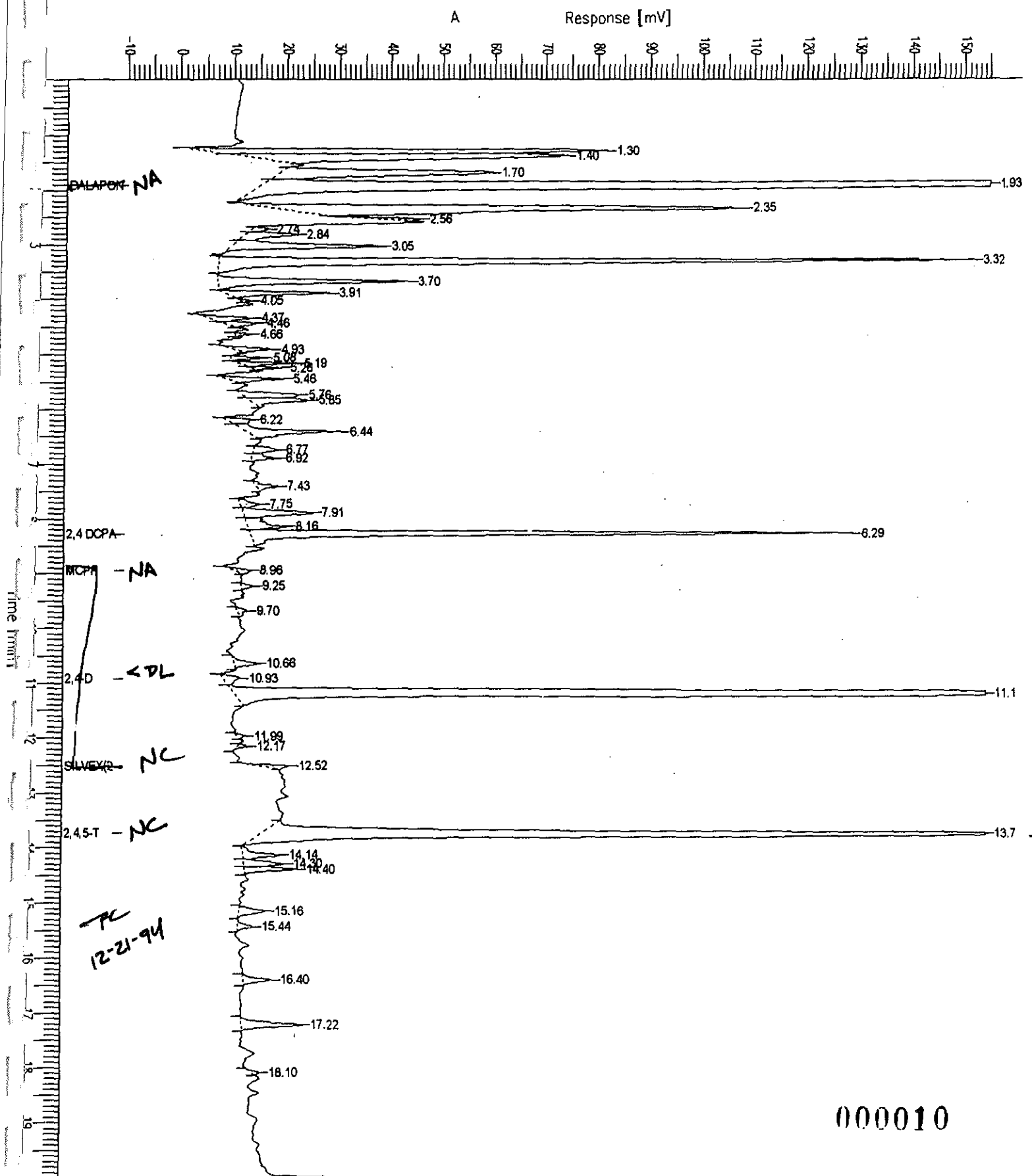
Low Point : -10.00 mV

High Point : 155.00 mV

Scale Factor: 0.0

Plot Offset: -10 mV

Plot Scale: 165.0 mV



000010

Software Version: 4.0<1C29>

Sample Name : 22521-20

Time : 12/6/94 16:33

Sample Number: 2044-2

Study : A. 22521 11/15

Operator : PATRICK

Instrument : 970-1:_PE1

Channel : A

A/D mV Range : 10000

AutoSampler :

Rack/Vial : 0/0

Interface Serial # : 9161570931 Data Acquisition Time: 12/5/94 12:29

Delay Time : 0.00 min.

Hold Time : 20.00 min.

Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\TC4\PE1\229A050.RAW

Result File : C:\TC4\PE1\229A050.RST

Test Method : 8150P1AC from C:\TC4\PE1\229A050.RST

Proc Method : C:\TC4\METHODS\8150P1AC.mth

Calib Method : C:\TC4\METHODS\229A8150.mth

Sequence File : C:\TC4\PE1\229.SEQ

Sample Volume : 1 ul

Area Reject : 1000.000000

Sample Amount : 250.0000

Dilution Factor : 1.00

HERB REPORT

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PE1A: DB-1701 30M X 0.53 MM ID 120 C, 2Min, 7°C; 260C, 8min
=====

Peak #	Ret Time [min]	Area [uV-sec]	Height [uV]	BL	Area/NG CAL FACT.	CR	Amount ng/ul	Amount ppb (Wet)	Component Name	Comments NC/CON/<DL
1	1.30	343736	77759	BV	1000000		0.3437	13.749		
2	1.40	397344	62397	VB	1000000		0.3973	15.894		
3	1.70	274481	41063	BV	1000000		0.2745	10.979		
4	1.93	2658099	552682	VB	1926034		1.3801	55.204	DALAPON	NA NC
5	2.35	599775	90485	BB	1000000		0.5998	23.991		
6	2.56	24670	7275	BB	1000000		0.0247	0.987		
7	2.74	11024	3095	BV	1000000		0.0110	0.441		
8	2.84	59202	10179	VV	1000000		0.0592	2.368		
9	3.05	161789	29028	VB	1000000		0.1618	6.472		
10	3.32	744530	144738	BB	1000000		0.7445	29.781		
11	3.70	202120	36443	BB	1000000		0.2021	8.085		
12	3.91	81839	20651	BV	1000000		0.0818	3.274		
13	4.05	4491	1757	VB	1000000		0.0045	0.180		
14	4.37	33849	7919	BV	1000000		0.0338	1.354		
15	4.46	26471	6452	VB	1000000		0.0265	1.059		
16	4.66	7800	3085	BB	1000000		0.0078	0.312		
17	4.93	30180	7084	BB	1000000		0.0302	1.207		
18	5.08	19490	6236	BB	1000000		0.0195	0.780		
19	5.19	31064	10642	BV	1000000		0.0311	1.243		
20	5.26	12806	5466	VB	1000000		0.0128	0.512		
21	5.46	42380	11032	BB	1000000		0.0424	1.695		
22	5.76	69613	11033	BV	1000000		0.0696	2.785		
23	5.85	48257	11414	VB	1000000		0.0483	1.930		
24	6.22	25174	4424	BV	1000000		0.0252	1.007		
25	6.44	93116	17954	VB	1000000		0.0931	3.725		
26	6.76	25170	4358	BV	1000000		0.0252	1.007		

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Per	Ret Time [min]	Area [uV-sec]	Height [uV]	BL	Area/NG CAL FACT.	CR	Amount ng/ul	Amount ppb (Wet)	Component Name	Comments NC/CON/<DL
	6.92	19435	4698	VB	1000000		0.0194	0.777		
28	7.43	18160	4070	BB	1000000		0.0182	0.726		
21	7.75	21825	3836	BV	1000000		0.0219	0.875		
	7.91	74547	13310	VV	1000000		0.0745	2.982		
	8.16	52685	7503	VV	1000000		0.0527	2.107		
	8.29	469554	116199	VB	962038		0.4881	19.523	2,4 DCPAA	49% MOPP NA NC
33	8.96	16540	3326	BB	796		20.7685	830.738		
3	9.25	9855	2236	BB	1000000		0.0099	0.394		
	9.70	9875	1829	BB	1000000		0.0099	0.395		
	10.66	26040	4475	BB	1000000		0.0260	1.042		
31	10.93	23520	3037	BV	1234769		0.0190	0.762	ADD B <DL	
37	11.19	3323240	857521	VB	1000000		3.3232	132.930		
	11.99	4935	1223	BB	1000000		0.0049	0.197		
	12.17	6800	2108	BB	1000000		0.0068	0.272		
	12.52	24180	5340	BB	9035528		0.0027	0.107	SILVEX(2,4,5-TP) NC	
42	13.74	1381470	216881	BB	8534260		0.1619	6.475	2,4,5-T NC	
4	14.14	41027	7103	BV	1000000		0.0410	1.641		
	14.30	38917	7574	VV	1000000		0.0389	1.557		
	14.40	42646	9877	VB	1000000		0.0426	1.706		Peak doesn't Match
	15.16	29985	5012	BB	1000000		0.0300	1.199		
47	15.44	14670	2855	BB	1000000		0.0147	0.587		
4	16.40	27565	5317	BB	1000000		0.0276	1.103		
	17.22	63845	11444	BB	1000000		0.0638	2.554		
	18.10	6430	1432	BB	1000000		0.0064	0.257		
		11776275	2482855				30.0231	1200.926		

DATA FLAGS: NC= NOT CONFIRMED ON OTHER CHANNEL; CONF= CONFIRMED
W= OUTSIDE RT WINDOW; <DL= LESS THAN PQL; NA= NOT APPLICABLE

INITIAL V or -M : 250 FINAL VOL: 10 COMPUTER CORRECTED MOISTURE? []

PREPARED BY Agatha Plummer 12/9/94

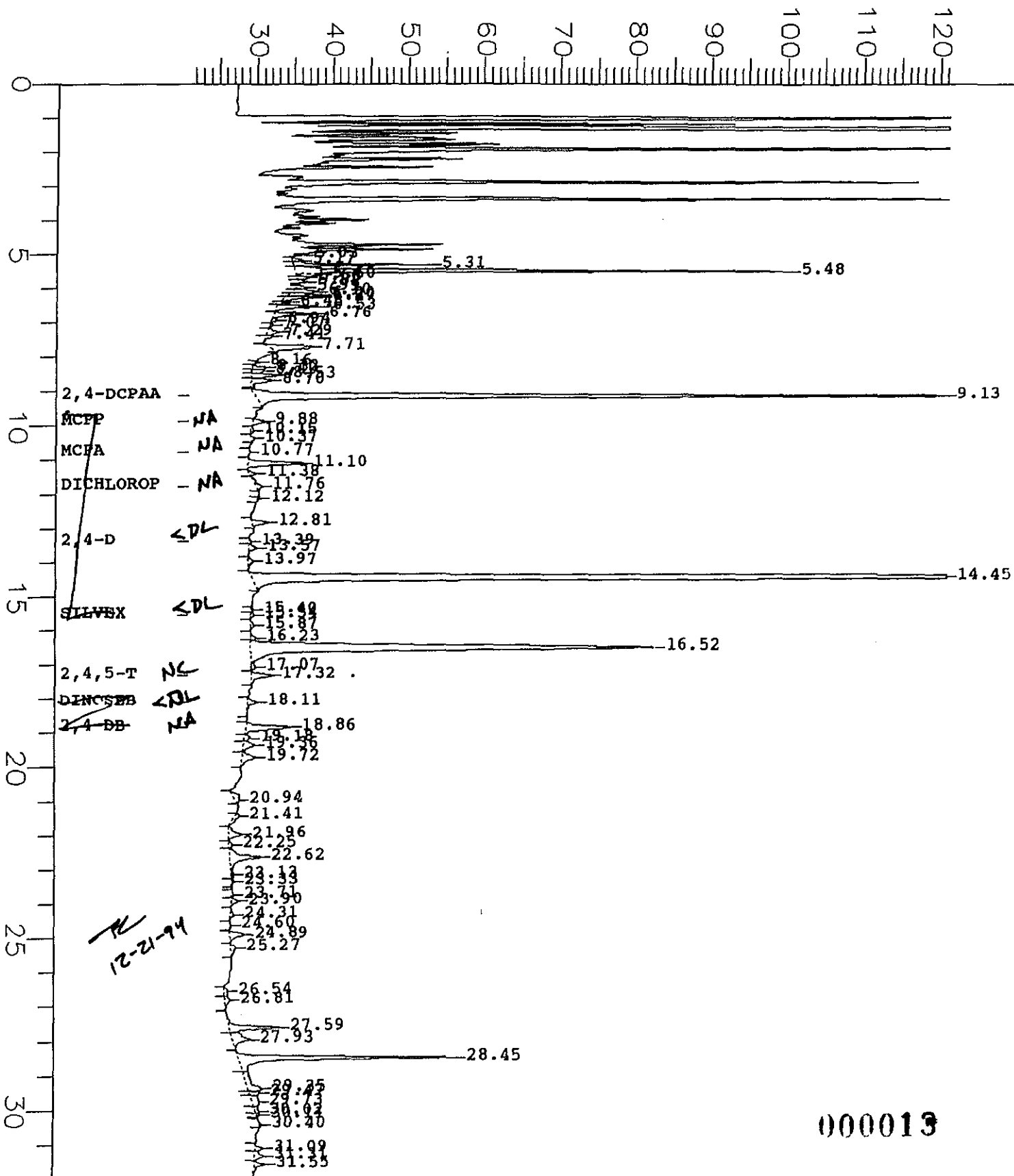
Patricia Conroy
12-21-94

Sample Name : 22521-20
File Name : c:\2700\data0\187B030.raw
Method : 5890h.ins
Start Time : 0.00 min
Scale Factor : -1

End Time : 32.00 min
Plot Offset: 21 mV

Sample #: 2044-2
Date : 12/12/94 14:43
Time of Injection: 12/10/94 04:06
Low Point : 21.23 mV
High Point : 121.23 mV
Plot Scale: 100 mV

1.0ul inj/column Response[mV]



Software Version: 3.2 <16C20>

Sample Name : 22521-20

Time : 12/12/94 14:43

Sample Number: 2044-2

Study : A. 22521 11/15

Operator : PATRICK

Instrument : 970-1: HP1 (5890)

Channel : B A/D mV Range : 1000

AutoSampler : NONE

Rack/Vial : 0/0

Interface Serial # : 9161570932 Data Acquisition Time: 12/10/94 04:06

Delay Time : 0.00 min.

End Time : 32.00 min.

Sampling Rate : 2.0000 pts/sec

Raw Data File : c:\2700\data0\187B030.raw

Result File : c:\2700\data0\187B030.rst

Instrument File: c:\2700\data\5890h.ins

Process File : c:\2700\data\902h.prc

Sample File : c:\2700\data\187B8150.smp

Sequence File : c:\2700\data0\187.seq

Inj. Volume : 1 ul

Area Reject : 4000.00

Sample Amount : 250.0000

Dilution Factor : 1.00

20

HERBICIDE REPORT HP-50+

HP-50+ 30M X 0.53 MM ID 70 C,275 C

Peak #	Ret Time [min]	Area [uV-sec]	Height [uV]	BL	Area/NG CAL FACT.	Amount ng/ul	Amount ppb(Wet)	Amount (ppb Dry)	Component Name	Comments NC/CON/<DL
	5.17	5838	1349	BV	1000000	0.0058	0.234			
	5.31	62848	18513	VV	1000000	0.0629	2.514			
	5.48	219619	65403	VE	1000000	0.2196	8.785			
	5.60	10981	3298	EV	1000000	0.0110	0.439			
	5.68	7511	1483	VV	1000000	0.0075	0.301			
	5.82	4386	1176	VB	1000000	0.0044	0.175			
	5.99	4930	1348	BV	1000000	0.049	1.197			
	6.10	17866	3444	VV	1000000	0.079				
	6.20	20017	4490	VV	1000000	0.0200	0.801			
11	6.27	22486	4884	VV	1000000	0.0225	0.899			
	6.43	4266	1419	VB	1000000	0.0043	0.171			
	6.53	27144	6100	BB	1000000	0.0271	1.086			
	6.76	27987	6006	BE	1000000	0.0280	1.120			
	7.29	11683	1682	VV	1000000	0.0117	0.467			
18	7.41	5214	1026	VB	1000000	0.0052	0.209			
	7.71	45853	5775	BB	1000000	0.0459	1.834			
	8.32	10072	1931	BV	1000000	0.0101	0.403			
	8.40	7575	1700	VV	1000000	0.0076	0.303			
	8.53	24479	4136	VV	1000000	0.0245	0.979			
24	8.70	21397	2717	VB	1000000	0.0214	0.856			
	9.13	592623	97528	BB	1201976	0.4930	19.722			
	9.88	9357	1608	BV	2977	3.1432	125.727		2,4-DCPAA	
	11.10	53653	7392	BB	1000000	0.0537	2.146		WGP <DL	
	11.38	5263	899	BB	1000000	0.0053	0.211			
32	11.76	8148	790	BB	1154868	0.0071	0.282		1,1-DICHLOROPROP	R
	12.81	14254	2118	BB	1000000	0.0143	0.570			
	13.57	9584	1131	VV	1000000	0.0096	0.383			
	13.97	7084	682	VB	1000000	0.0071	0.283			
	14.45	1518480	233016	BB	1000000	1.5185	60.739			
41	15.87	4953	507	BV	1000000	0.0050	0.198			
	16.23	5153	721	VV	1000000	0.0052	0.206			
	16.52	527907	53503	VE	1000000	0.5279	21.116			
	17.07	5810	629	EV	1000000	0.0058	0.232			
	17.32	21498	2792	VB	5445257	0.0040	0.158			
46	18.11	10525	1254	BB	3569847	0.0030	0.118		2,4,5-T	NC - Peak doesn't Match
	18.86	44714	6143	BV	792254	0.0564	2.258		1,1-DICHLOROPROP	R
	19.18	5936	779	VV	1000000	0.0059	0.237		2,4-DCPAA	NC
	19.36	14381	1508	VV	1000000	0.0144	0.575			
	19.72	19701	1875	VB	1000000	0.0197	0.788			
51	20.94	10787	510	BB	1000000	0.0108	0.432			

000014

	21.41	8019	530 BB	1000000	0.0080	0.321
	21.96	17860	1774 BV	1000000	0.0179	0.714
55	22.62	44333	4078 VE	1000000	0.0443	1.773
59	23.90	6962	928 VV	1000000	0.0070	0.279
	24.31	5582	510 VB	1000000	0.0056	0.223
	24.89	15810	1899 BB	1000000	0.0158	0.632
	25.27	7458	671 BB	1000000	0.0075	0.298
64	26.54	5658	472 BV	1000000	0.0057	0.226
65	26.81	8725	697 VB	1000000	0.0087	0.349
	27.59	50885	6684 BV	1000000	0.0509	2.035
	27.93	29237	2227 VB	1000000	0.0292	1.170
	28.45	190130	28810 BV	1000000	0.1901	7.605
69	29.35	32531	1928 VV	1000000	0.0325	1.301
70	29.47	10202	1482 VV	1000000	0.0102	0.408
	29.73	15861	962 VV	1000000	0.0159	0.634
	30.02	5312	565 VV	1000000	0.0053	0.213
	31.09	6738	1182 BV	1000000	0.0067	0.270
76	31.31	10779	1246 VV	1000000	0.0108	0.431
77	31.55	10607	1515 VB	1000000	0.0106	0.424

3934646 611424

6.9544 278.175

==NOT CONFIRMED; CON=CONFIRMED;

PREPARED BY.

REVIEWED BY. *J.*

Agatha M. ... 12/12/94
Paul ...
 12-21-94

8150 - FORM 1
NYTEST ENVIRONMENTAL INC.

CHLORINATED PHENOXY HERBICIDES ANALYSIS DATA SHEET

SAMPLE MATRIX: WATER SAMPLE ID: 2044-3
CONC. LEVEL: LOW LAB SAMPLE ID: 2252121
EXTRACTION DATE: 11/15/94 DIL FACTOR: 4.00
ANALYSIS DATE: 12/05/94 % MOISTURE: NA

CMPD #	CAS Number	HERBICIDE COMPOUND	UG/L
1	94-75-7	2,4-D	4.0 U
2	93-71-1	2,4,5-TP (Silvex)	0.40 U
3	93-76-5	2,4,5-T	0.40 U
4	94-82-6	2,4-DB	8.0 U
5	75-99-0	Dalapon	10.0 U
6	1918-00-9	Dicamba	0.40 U
7	88-85-7	Dinoseb	2.00 U
8	120-36-5	2,4-DP (Dichloroprop)	4.0 U
9	94-74-6	MCPA	1000 U
10	93-65-2	MCPP	1000 U

000016

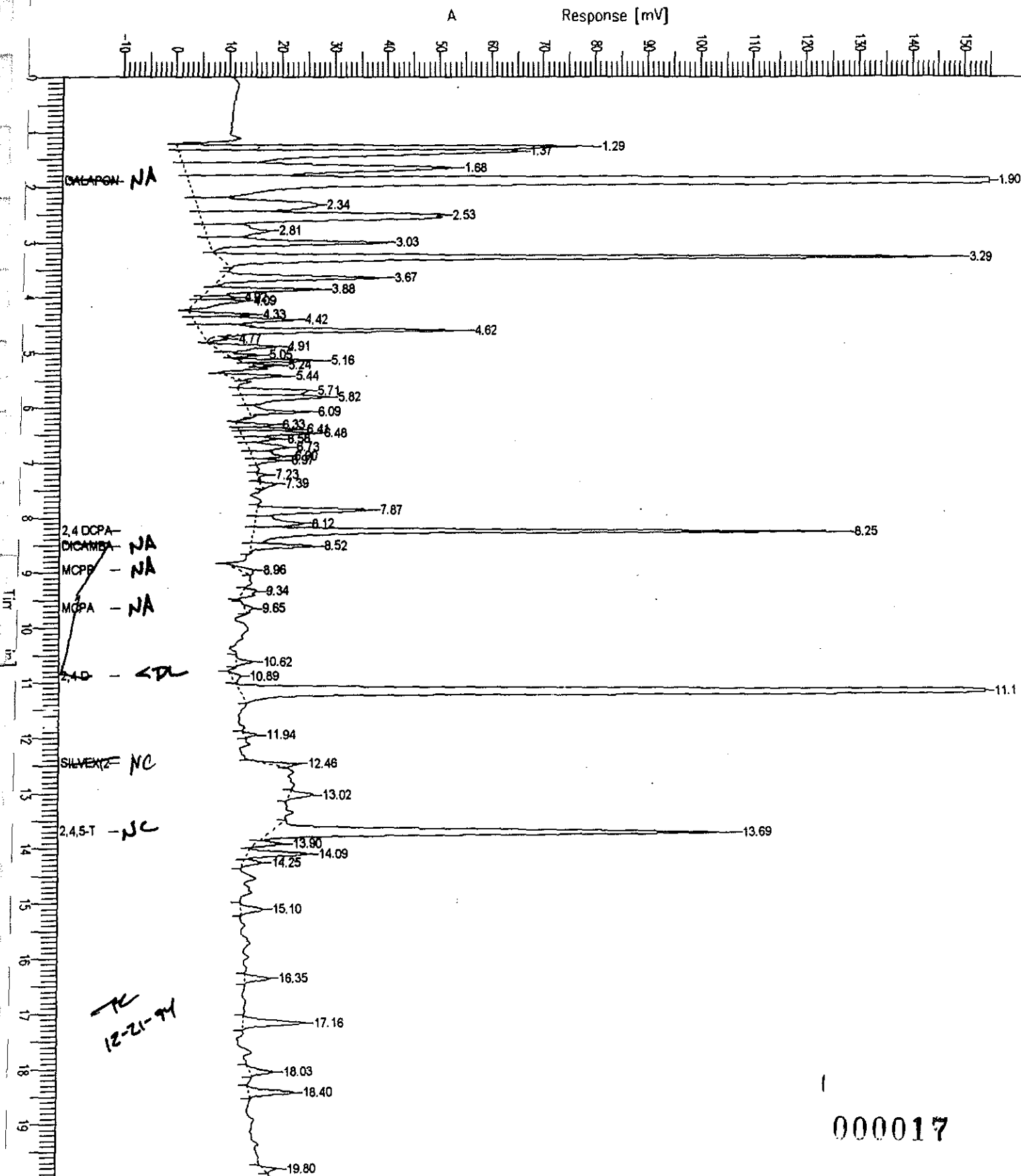
Chromatogram DB-1701

AGUILAR [10]

File Name : 22521-21
Name : C:\TC4\PE1\229A051.raw
Method : 8150PIAC
Start Time : 0.00 min
Scale Factor: 0.0

End Time : 20.00 min
Plot Offset: -10 mV

Sample #: 2044-3
Date : 12/6/94 16:34
Time of Injection: 12/5/94 13:01
Low Point : -10.00 mV
Plot Scale: 165.0 mV
Page 1 of 1
High Point : 155.00 mV



000017

Software Version: 4.0<1C29>

Sample Name : 22521-21

Time : 12/6/94 16:33

Sample Number: 2044-3

Study : A. 22521 11/15

Operator : PATRICK

Instrument : 970-1: PE1

Channel : A

A/D mV Range : 10000

AutoSampler :

Rack/Vial : 0/0

Interface Serial # : 9161570931 Data Acquisition Time: 12/5/94 13:01

Delay Time : 0.00 min.

Run Time : 20.00 min.

Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\TC4\PE1\229A051.RAW

Result File : C:\TC4\PE1\229A051.RST

Test Method : 8150P1AC from C:\TC4\PE1\229A051.RST

Proc Method : C:\TC4\METHODS\8150P1AC.mth

Calib Method : C:\TC4\METHODS\229A8150.mth

Sequence File : C:\TC4\PE1\229.SEQ

Sample Volume : 1 ul

Area Reject : 1000.000000

Sample Amount : 250.0000

Dilution Factor : 1.00

HERB REPORT

PE1A: DB-1701 30M X 0.53 MM ID 120 C, 2Min, 7°C; 260C, 8min

Peak #	Ret Time [min]	Area [uV-sec]	Height [uV]	BL	Area/NG CAL FACT.	CR	Amount ng/ul	Amount ppb (Wet)	Component Name	Comments NC/CON/<DL
1	1.29	355530	79927	BV	1000000		0.3555	14.221		
2	1.37	529540	65234	VV	1000000		0.5295	21.182		
3	1.68	467330	51590	VV	1000000		0.4673	18.693		
4	1.90	3686880	731454	VV	1926034		1.9142	76.569	DALAPON	NA NC
5	2.34	262760	22864	VV	1000000		0.2628	10.510		
6	2.53	414400	46299	VV	1000000		0.4144	16.576		
7	2.81	130910	12266	VV	1000000		0.1309	5.236		
8	3.03	208370	34193	VB	1000000		0.2084	8.335		
9	3.29	699850	141895	BB	1000000		0.6998	27.994		
10	3.67	180823	31209	BV	1000000		0.1808	7.233		
11	3.88	106443	21772	VV	1000000		0.1064	4.258		
12	4.02	24078	6534	VV	1000000		0.0241	0.963		
13	4.09	56622	9111	VB	1000000		0.0566	2.265		
14	4.33	51407	11903	BV	1000000		0.0514	2.056		
15	4.42	106998	19805	VV	1000000		0.1070	4.280		
16	4.62	238126	50828	VE	1000000		0.2381	9.525		
17	4.77	18020	3942	EB	1000000		0.0180	0.721		
18	4.90	71553	12158	BV	1000000		0.0716	2.862		
19	5.05	20432	6183	VB	1000000		0.0204	0.817		
20	5.16	45500	16576	BB	1000000		0.0455	1.820		
21	5.24	10650	5114	BB	1000000		0.0106	0.426		
22	5.44	33420	11237	BB	1000000		0.0394	1.577		
23	5.71	95130	13130	BV	1000000		0.0951	3.805		
24	5.82	86595	16768	VV	1000000		0.0866	3.464		
25	6.09	50104	11961	VB	1000000		0.0501	2.004		
26	6.33	30190	6863	BV	1000000		0.0302	1.208		

000018

Ret Time [min]	Area [uV-sec]	Height [uV]	BL	Area/NG CAL FACT.	CR	Amount ng/ul	Amount ppb (Wet)	Component Name	Comments NC/CON/<DL
6.41	37425	11307	VV	1000000		0.0374	1.497		
6.48	54081	14152	VV	1000000		0.0541	2.163		
6.58	30713	6407	VV	1000000		0.0307	1.229		
6.73	48995	7312	VV	1000000		0.0490	1.960		
6.89	34397	6217	VV	1000000		0.0344	1.376		
6.97	18319	5352	VB	1000000		0.0183	0.733		
7.23	6510	1836	BB	1000000		0.0065	0.260		
7.39	13055	3009	BB	1000000		0.0131	0.522		
7.87	114270	21683	BV	1000000		0.1143	4.571		
8.11	65980	9069	VV	1000000		0.0660	2.639		
8.24	498460	114828	VV	962038		0.5181	20.725	2,4 DCPAA 52%	
8.52	46130	12167	VB	4603720		0.0100	0.401	DIAPYCNL	
8.96	19550	2605	BB	796		24.5480	981.919	MCPN NC	
9.34	20180	2752	BB	1000000		0.0202	0.807	MCPN NC	
9.65	10510	1642	BB	2120		4.9570	198.280	MCPN NC	
10.62	15270	3383	BB	1000000		0.0153	0.611		
10.89	14017	1727	BV	1234769		0.0114	0.454	2.4-D R <DL	
11.14	3630823	944760	VB	1000000		3.6308	145.233		
11.94	10585	2524	BB	1000000		0.0106	0.423		
12.46	27270	5886	BB	9035528		0.0030	0.121	SILVEX(2,4,5-T) NC	
13.02	21870	4573	BB	1000000		0.0219	0.875		
13.69	555600	88355	BV	8534260		0.0651	2.604	2,4,5-T NC	
13.90	19960	5343	VB	1000000		0.0200	0.798		
14.09	56200	11787	BV	1000000		0.0562	2.248		Peak doesn't Match
14.25	16490	3667	VB	1000000		0.0165	0.660		
15.10	24475	4132	BB	1000000		0.0245	0.979		
16.35	21810	4567	BB	1000000		0.0218	0.872		
17.16	72510	11822	BB	1000000		0.0725	2.900		
18.03	24300	4606	BB	1000000		0.0243	0.972		
18.40	44095	8446	BB	1000000		0.0441	1.764		
19.80	10215	2470	BB	1000000		0.0102	0.409		
13571725		2769224				40.7401	1629.605		

DATA FLAGS: NC= NOT CONFIRMED ON OTHER CHANNEL; CONF= CONFIRMED
 OUT= OUTSIDE RT WINDOW; <DL= LESS THAN PQL; NA= NOT APPLICABLE
 INITIAL V or M : 250 FINAL VOL: 10 COMPUTER CORRECTED MOISTURE? []

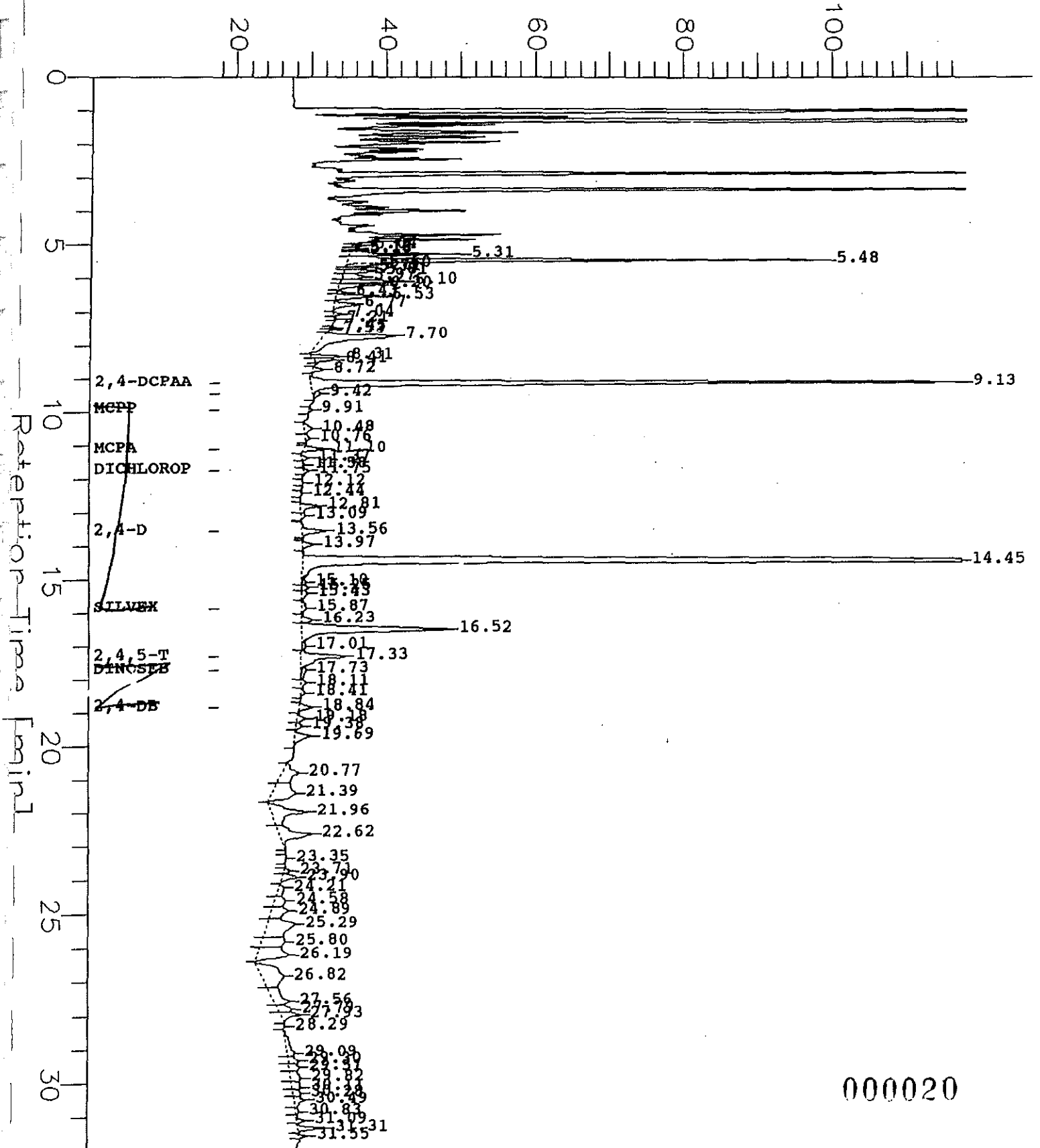
PREPARED BY Agatha Plummer 12/9/94
Patricia C...
12-21-94

Sample Name : 22521-21
FileName : c:\2700\data0\187B031.raw
Method : 5890h.ins
Start Time : 0.00 min
Scale Factor: -1

End Time : 32.00 min
Plot Offset: 18 mV

Sample #: 2044-3
Date : 12/12/94 14:43
Time of Injection: 12/10/94 04:46
Low Point : 17.98 mV
High Point : 117.98 mV
Plot Scale: 100 mV

1.0ul inj/column Response[mV]



000020

Software Version: 3.2 <16C20>

Sample Name : 22521-21

Time : 12/12/94 14:43

Sample Number: 2044-3

Study : A. 22521 11/15

Operator : PATRICK

Instrument : 970-1: HP1_(5890)

Channel : B A/D mV Range : 1000

AutoSampler : NONE

Rack/Vial : 0/0

Interface Serial # : 9161570932 Data Acquisition Time: 12/10/94 04:46

Delay Time : 0.00 min.

End Time : 32.00 min.

Sampling Rate : 2.0000 pts/sec

Raw Data File : c:\2700\data0\187B031.raw

Result File : c:\2700\data0\187B031.rst

Instrument File: c:\2700\data\5890h.ins

Process File : c:\2700\data\902h.prc

Sample File : c:\2700\data\187B8150.smp

Sequence File : c:\2700\data0\187.seq

Inj. Volume : 1 ul

Area Reject : 4000.00

Sample Amount : 250.0000

Dilution Factor : 1.00

HERBICIDE REPORT HP-50+

P1-B HP-50+ 30M X 0.53 MM ID 70 C,275 C

Peak #	Ret Time [min]	Area [uV-sec]	Height [uV]	BL	Area/NG CAL FACT.	Amount ng/ul	Amount ppb(Wet)	Amount (ppb Dry)	Component Name	Comments NC/CON/<DL
1	5.04	4950	1742	BV	1000000	0.0050	0.198			
4	5.31	59082	15349	VV	1000000	0.0591	2.363			
5	5.48	225735	64548	VE	1000000	0.2257	9.029			
6	5.60	20227	4285	EV	1000000	0.0202	0.809			
7	5.71	11978	3244	VV	1000000	0.0120	0.479			
8	5.81	22749	4286	VV	1000000	0.0228	0.910			
9	5.97	19181	2932	VV	1000000	0.0192	0.767			
10	6.10	10716	8659	VV	1000000	0.0107	1.629			
11	6.20	34163	5428	VV	1000000	0.0342	1.367			
12	6.43	4488	1265	VV	1000000	0.0045	0.180			
13	6.53	32961	6287	VB	1000000	0.0330	1.318			
14	6.77	21757	2787	BB	1000000	0.0218	0.870			
15	7.04	5100	1199	BV	1000000	0.0051	0.204			
19	7.70	119980	9838	VB	1000000	0.1200	4.799			
20	8.31	20373	4070	BV	1000000	0.0204	0.815			
21	8.41	13245	2868	VB	1000000	0.0132	0.530			
22	8.72	7248	1431	BB	1000000	0.0073	0.290			
23	9.13	542810	88097	BE	1201976	0.4516	18.064		2,4-DCPAA 45% RIGAMBA <DL	
24	9.42	7336	792	EB	4385444	0.0017	0.067			
26	10.40	11646	1009	BV	1000000	0.0117	0.466			
27	10.76	4600	518	VB	1000000	0.0046	0.184			
28	11.10	16833	2675	BB	12956	1.2992	51.970		MCDA <DL	
29	11.37	5926	865	BV	1000000	0.0059	0.237			
34	12.81	19792	2353	BV	1000000	0.0198	0.792			
35	13.09	4464	584	VB	1000000	0.0045	0.179			
36	13.56	23163	3103	BB	1306887	0.0177	0.709			
37	13.97	10056	1368	BV	1000000	0.0101	0.402		2,4-D <DL	
38	14.45	1411066	212096	VE	1000000	1.4111	56.443			
39	15.10	4969	407	EV	1000000	0.0050	0.199			
40	15.25	6369	867	VV	1000000	0.0064	0.255			
41	15.43	6986	750	VB	1000000	0.0070	0.279			
42	15.87	7583	561	BV	5774568	0.0013	0.053			
43	16.23	11917	1444	VV	1000000	0.0119	0.477		STILVEX R <DL	
44	16.52	205969	19903	VE	1000000	0.2060	8.239			
45	17.01	6144	507	EV	1000000	0.0061	0.246			
46	17.33	63208	5876	VE	5445257	0.0116	0.464		2,4,5-T NC - Peak doesn't match RIGOBBA R LCL	
47	17.73	8576	593	EV	3569847	0.0024	0.096			
48	18.11	5836	688	VV	1000000	0.0058	0.233			
49	18.41	4444	496	VB	1000000	0.0044	0.178			
50	18.84	12298	1705	BV	792254	0.0155	0.621		2,4-DB NA NC 000021	

8150 - FORM 1
NYTEST ENVIRONMENTAL INC.

CHLORINATED PHENOXY HERBICIDES ANALYSIS DATA SHEET

SAMPLE MATRIX: WATER
CONC. LEVEL: LOW
EXTRACTION DATE: 11/15/94
ANALYSIS DATE: 12/05/94

SAMPLE ID: 2044-FB
LAB SAMPLE ID: 2252122
DIL FACTOR: 4.00
% MOISTURE: NA

CMPD #	CAS Number	HERBICIDE COMPOUND	UG/L
1	94-75-7	2,4-D	4.0 U
2	93-71-1	2,4,5-TP (Silvex)	0.40 U
3	93-76-5	2,4,5-T	0.40 U
4	94-82-6	2,4-DB	8.0 U
5	75-99-0	Dalapon	10.0 U
6	1918-00-9	Dicamba	0.40 U
7	88-85-7	Dinoseb	2.00 U
8	120-36-5	2,4-DP (Dichloroprop)	4.0 U
9	94-74-6	MCPA	1000 U
10	93-65-2	MCPP	1000 U

000023

Sample Name : 22521-22

Sample #: 2044-FB

Page 1 of 1

Name : C:\TC4\PE1\229A052.raw

Date : 12/6/94 16:34

Method : 8150P1AC

Time of Injection: 12/5/94 13:31

Start Time : 0.00 min

End Time : 20.00 min

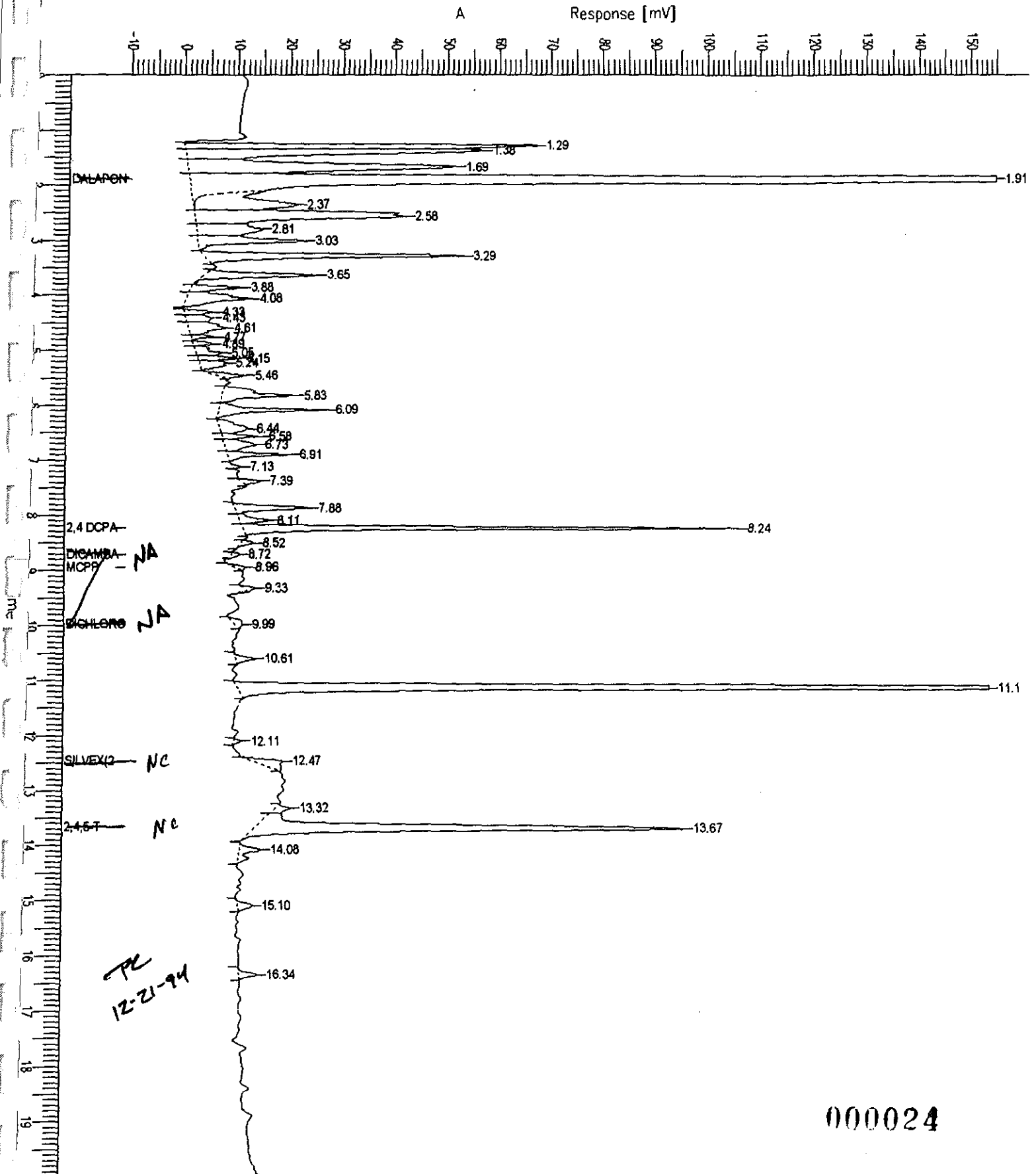
Low Point : -10.00 mV

High Point : 155.00 mV

Scale Factor: 0.0

Plot Offset: -10 mV

Plot Scale: 165.0 mV



000024

oftware Version: 4.0<1C29>

Sample Name : 22521-22

Time : 12/6/94 16:34

Sample Number: 2044-FB

Study : A. 22521 11/15

Operator : PATRICK

Instrument : 970-1: PE1

Channel : A

A/D mV Range : 10000

AutoSampler :

Back/Vial : 0/0

Interface Serial # : 9161570931 Data Acquisition Time: 12/5/94 13:31

Play Time : 0.00 min.

Load Time : 20.00 min.

Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\TC4\PE1\229A052.RAW

Result File : C:\TC4\PE1\229A052.RST

List Method : 8150PlAC from C:\TC4\PE1\229A052.RST

Loc Method : C:\TC4\METHODS\8150PlAC.mth

Calib Method : C:\TC4\METHODS\229A8150.mth

Sequence File : C:\TC4\PE1\229.SEQ

Sample Volume : 1 ul

Area Reject : 1000.000000

Sample Amount : 250.0000

Dilution Factor : 1.00

HERB REPORT

PE1A: DB-1701 30M X 0.53 MM ID 120 C, 2Min, 7°C; 260C, 8min

Peak #	Ret Time [min]	Area [uV-sec]	Height [uV]	BL	Area/NG CAL FACT.	CR	Amount ng/ul	Amount ppb (Wet)	Component Name	Comments NC/CON/<DL
1	1.29	333993	71246	BV	1000000		0.3340	13.360		
2	1.38	382101	56874	VV	1000000		0.3821	15.284		
3	1.69	474063	51194	VV	1000000		0.4741	18.963		
4	1.91	4123929	858717	VE	1926034		2.1412	85.646	DALAPON	NC
5	2.37	259820	19848	EV	1000000		0.2598	10.393		
6	2.58	382112	40367	VV	1000000		0.3821	15.284		
7	2.81	136726	12539	VV	1000000		0.1367	5.469		
8	3.03	132766	20772	VB	1000000		0.1328	5.311		
9	3.29	261650	51314	BB	1000000		0.2616	10.466		
10	3.65	120860	21678	BB	1000000		0.1209	4.834		
11	3.88	48569	9711	BV	1000000		0.0486	1.943		
12	4.08	100021	12235	VB	1000000		0.1000	4.001		
13	4.33	26689	5455	BV	1000000		0.0267	1.068		
14	4.42	32016	5290	VV	1000000		0.0320	1.281		
15	4.61	63722	6865	VV	1000000		0.0637	2.549		
16	4.77	13264	4343	VB	1000000		0.0133	0.531		
17	4.89	16465	3739	BV	1000000		0.0165	0.659		
18	5.05	33413	4984	VV	1000000		0.0334	1.337		
19	5.15	31945	7671	VV	1000000		0.0319	1.278		
20	5.24	33982	5131	VB	1000000		0.0340	1.359		
21	5.46	26250	5687	BB	1000000		0.0262	1.050		
22	5.83	97688	14221	BV	1000000		0.0977	3.908		
23	6.09	98892	20788	VB	1000000		0.0989	3.956		
24	6.44	55113	5343	BV	1000000		0.0551	2.205		
25	6.58	29949	7236	VV	1000000		0.0299	1.198		
26	6.73	52888	6021	VV	1000000		0.0529	2.116		

000025

Peak	Ret Time [min]	Area [uV-sec]	Height [uV]	BL	Area/NG CAL FACT.	CR	Amount ng/ul	Amount ppb(Wet)	Component Name	Comments NC/CON/<DL
27	6.90	49440	12260	VB	1000000		0.0494	1.978		
28	7.13	5595	1588	BB	1000000		0.0056	0.224		
27	7.39	17195	4046	BB	1000000		0.0172	0.688		
1	7.88	68911	14521	BV	1000000		0.0689	2.756		
32	8.11	30562	5593	VV	1000000		0.0306	1.222		
33	8.24	387987	97833	VB	962038		0.4033	16.132	2,4 DCPAA	40/
33	8.52	8140	2412	BB	1000000		0.0081	0.326		
33	8.72	4670	1463	BB	4603720		0.0010	0.041	DICHA BA	2m
33	8.95	10950	2176	BB	796		13.7494	549.975	MCPB	NC
33	9.33	9770	2387	BB	1000000		0.0098	0.391		
37	9.99	15125	1420	BB	981605		0.0154	0.616	DICHLOROPROP	NA
30	10.61	19010	3726	BB	1000000		0.0190	0.760		
30	11.12	2356530	604219	BB	1000000		2.3565	94.261		
30	12.11	5595	1499	BB	1000000		0.0056	0.224		
11	12.47	49580	5914	BB	9035528		0.0055	0.219	SEVEX(2,4,5-TP)	NC
42	13.32	18337	2829	BV	1000000		0.0183	0.733		
42	13.67	582942	83709	VB	8534260		0.0683	2.732	2,4,5-TP	NC
42	14.08	35720	4185	BB	1000000		0.0357	1.429		
42	15.10	17195	2712	BB	1000000		0.0172	0.688		
42	16.34	17315	3402	BB	1000000		0.0173	0.693		
		11079455	2187162				22.2883	891.532		

DATA FLAGS: NC= NOT CONFIRMED ON OTHER CHANNEL; CONF= CONFIRMED
 W= OUTSIDE RT WINDOW; <DL= LESS THAN PQL; NA= NOT APPLICABLE

INITIAL V or ~~M~~: 250 FINAL VOL: 10 COMPUTER CORRECTED MOISTURE? []

PREPARED BY Agatha Plummer 12/9/94

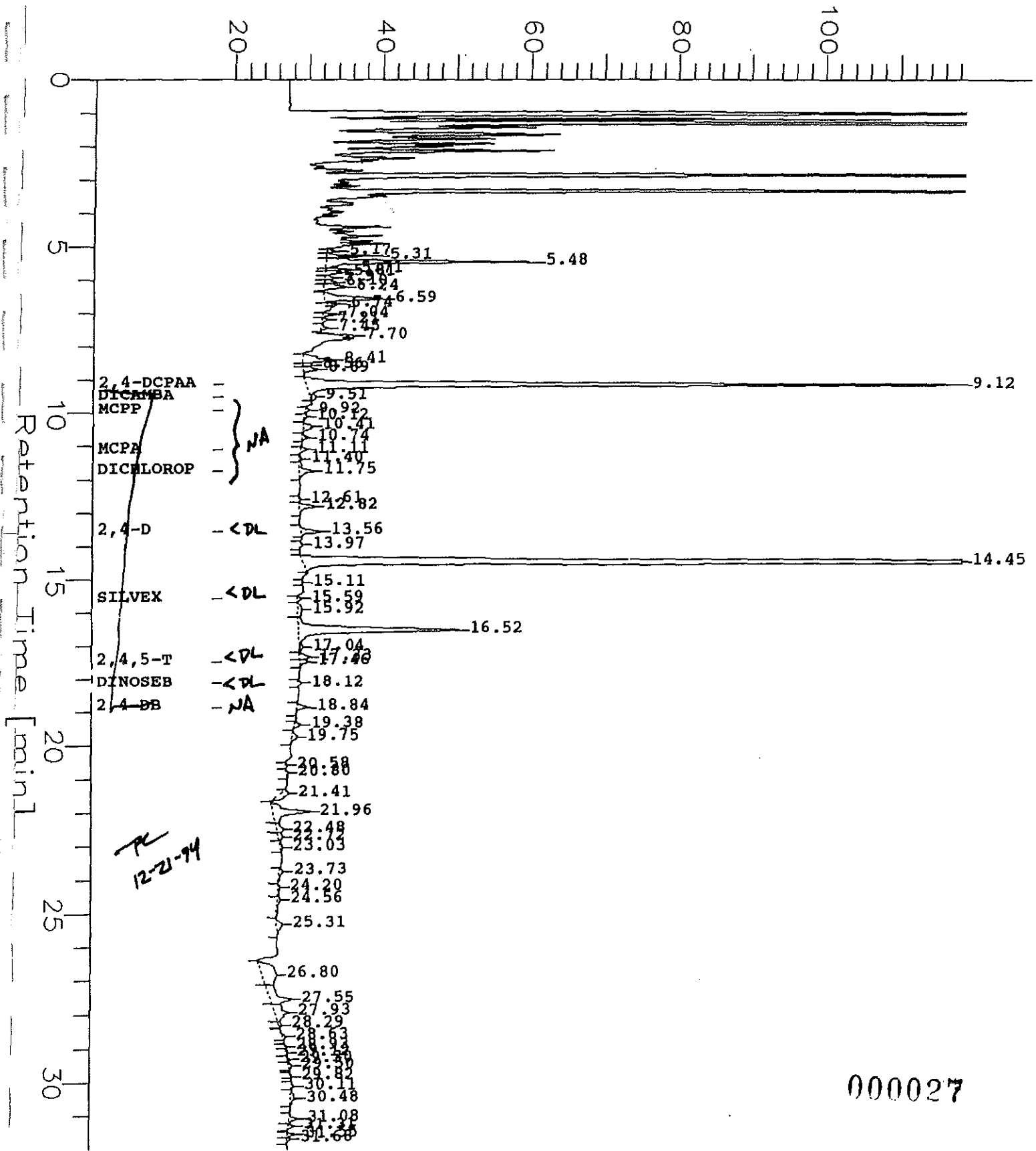
Patricia Conroy
 12-21-94

Sample Name : 22521-22
File Name : c:\2700\data0\1878032.raw
Method : 5890h.ins
Start Time : 0.00 min
Scale Factor : -1

End Time : 32.00 min
Plot Offset : 19 mV

Sample #: 2044-FB
Date : 12/12/94 14:43
Time of Injection: 12/10/94 05:25
Low Point : 18.68 mV
High Point : 118.68 mV
Plot Scale: 100 mV

1.0ul inj/column Response[mV]



Software Version: 3.2 <16C20>

Sample Name : 22521-22

Time : 12/12/94 14:43

Sample Number: 2044-FB

Study : A. 22521 11/15

Operator : PATRICK

Instrument : 970-1: HP1_(5890)

Channel : B A/D mV Range : 1000

AutoSampler : NONE

Rack/Vial : 0/0

Interface Serial # : 9161570932 Data Acquisition Time: 12/10/94 05:25

Delay Time : 0.00 min.

End Time : 32.00 min.

Sampling Rate : 2.0000 pts/sec

Raw Data File : c:\2700\data0\187B032.raw

Result File : c:\2700\data0\187B032.rst

Instrument File: c:\2700\data\5890h.ins

Process File : c:\2700\data\902h.prc

Sample File : c:\2700\data\187B8150.smp

Sequence File : c:\2700\data0\187.seq

Inj. Volume : 1 ul

Area Reject : 4000.00

Sample Amount : 250.0000

Dilution Factor : 1.00

20

HERBICIDE REPORT HP-50+

1-B HP-50+ 30M X 0.53 MM ID 70 C,275 C

Peak #	Ret Time [min]	Area [uV-sec]	Height [uV]	BL	Area/NG CAL FACT.	Amount ng/ul	Amount ppb(Wet)	Amount (ppb Dry)	Component Name	Comments NC/CON/<DL
1	5.17	6427	1642	BV	1000000	0.0064	0.257			
2	5.31	25500	7313	VV	1000000	0.0255	1.020			
3	5.48	122209	28408	VV	1000000	0.1222	4.888			
4	5.71	12559	3524	VV	1000000	0.0126	0.502			
5	5.81	11628	2470	VV	1000000	0.0116	0.465			
6	5.97	6830	1171	VV	1000000	0.0068	0.273			
7	6.10	9520	1547	VV	1000000	0.0095	0.381			
8	6.24	3891	3117	VB	1000000	0.0039	0.156			
9	6.59	61270	8249	BB	1000000	0.0613	2.451			
10	6.74	5054	1598	BB	1000000	0.0051	0.202			
11	7.04	7698	1912	BV	1000000	0.0077	0.308			
12	7.45	5359	1014	VB	1000000	0.0054	0.214			
13	7.70	7201	1777	BB	1000000	0.0072	0.288			
14	8.41	34103	4309	BV	1000000	0.0341	1.364			
15	8.56	8019	1258	VV	1000000	0.0080	0.321			
16	8.69	13278	2003	VB	1000000	0.0133	0.531			
17	9.12	566631	91433	BE	1201976	0.4714	18.857			
18	9.51	5498	575	BB	4385444	0.0013	0.050			2,4-DCPPA 47% DICAMPA 2% <DL
19	10.41	14091	1325	BV	1000000	0.0141	0.564			
20	10.74	4629	675	VB	1000000	0.0046	0.185			
21	11.11	5611	925	BB	12956	0.4331	17.323			MCFA 2% <DL
22	11.75	19073	1938	VB	1154868	0.0165	0.661			DICHLORODROP 2% <DL
23	12.82	16570	2125	VB	1000000	0.0166	0.663			
24	13.56	18884	2745	BB	1306887	0.0145	0.578			
25	14.45	1331422	205803	BB	1000000	1.3314	53.257			2,4-D <DL
26	15.92	11725	576	VV	1000000	0.0117	0.469			
27	16.52	229789	21971	VE	1000000	0.2298	9.192			
28	17.04	5482	448	EV	1000000	0.0055	0.219			
29	17.33	10584	1416	VV	1000000	0.0106	0.423			
30	17.46	8701	1176	VB	5445257	0.0016	0.064			2,4,5-T 2% <DL
31	18.84	10310	1406	BB	792254	0.0130	0.521			2,4-BB 2% NI
32	19.38	7577	891	BB	1000000	0.0076	0.303			
33	19.75	8454	750	BB	1000000	0.0085	0.338			
34	21.41	17252	1063	BB	1000000	0.0173	0.690			
35	21.96	62170	5059	BV	1000000	0.0622	2.487			
36	22.48	11940	894	VV	1000000	0.0119	0.478			
37	22.72	7924	661	VV	1000000	0.0079	0.317			
38	23.73	6544	547	BB	1000000	0.0065	0.262			
39	24.20	4524	286	BV	1000000	0.0045	0.181			
40	24.56	7162	432	VB	1000000	0.0072	0.287			

000028

	25.31	11229	840 BB	1000000	0.0112	0.449
	26.80	69514	1981 BV	1000000	0.0695	2.781
55	27.55	50958	2908 VV	1000000	0.0510	2.038
56	27.93	33762	1809 VV	1000000	0.0338	1.351
5	30.48	10170	844 VB	1000000	0.0102	0.407
	31.08	6848	1161 BV	1000000	0.0069	0.274
	31.31	5065	856 VB	1000000	0.0051	0.203
68	31.55	5569	1157 BV	1000000	0.0056	0.223

2941202	427987	3.2578	130.313
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=====
 NC=NOT CONFIRMED; CON=CONFIRMED; PREPARED BY... *plummer* REVIEWED BY... *[Signature]*
 =====

8150 - FORM 1
NYTEST ENVIRONMENTAL INC.

CHLORINATED PHENOXY HERBICIDES ANALYSIS DATA SHEET

SAMPLE MATRIX: WATER SAMPLE ID: 2044-DUP
CONC. LEVEL: LOW LAB SAMPLE ID: 2252123
EXTRACTION DATE: 11/15/94 DIL FACTOR: 4.00
ANALYSIS DATE: 12/05/94 † MOISTURE:NA

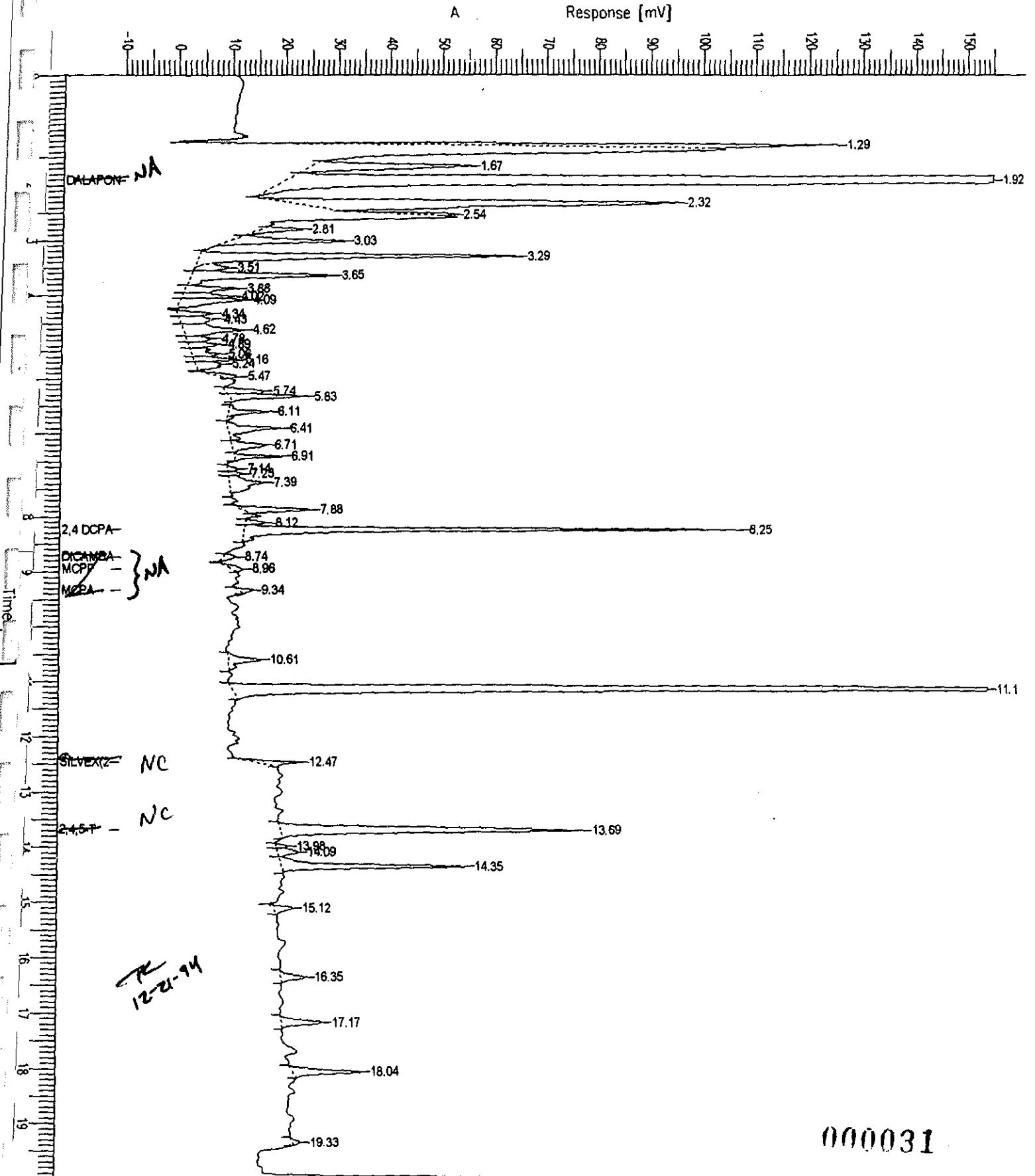
CMPD #	CAS Number	HERBICIDE COMPOUND	UG/L
1	94-75-7	2,4-D	4.0 U
2	93-71-1	2,4,5-TP (Silvex)	0.40 U
3	93-76-5	2,4,5-T	0.40 U
4	94-82-6	2,4-DB	8.0 U
5	75-99-0	Dalapon	10.0 U
6	1918-00-9	Dicamba	0.40 U
7	88-85-7	Dinoseb	2.00 U
8	120-36-5	2,4-DP (Dichloroprop)	4.0 U
9	94-74-6	MCPA	1000 U
10	93-65-2	MCPP	1000 U

000030

Name : 22521-23
File : C:\TC4\PE1\229A053.raw
Method : 8150P1AC
Start Time : 0.00 min
Gain Factor : 0.0

End Time : 20.00 min
Plot Offset : -10 mV

Sample #: 2044-DUP
Date : 12/6/94 16:35
Time of Injection: 12/5/94 14:02
Low Point : -10.00 mV
Plot Scale: 165.0 mV
High Point : 155.00 mV



Software Version: 4.0<1C29>

Sample Name : 22521-23

Time : 12/6/94 16:35

Sample Number: 2044-DUP

Study : A. 22521 11/15

Operator : PATRICK

Instrument : 970-1:_PE1

Channel : A

A/D mV Range : 10000

AutoSampler :

Rack/Vial : 0/0

Interface Serial # : 9161570931 Data Acquisition Time: 12/5/94 14:02

Delay Time : 0.00 min.

Injection Time : 20.00 min.

Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\TC4\PE1\229A053.RAW

Result File : C:\TC4\PE1\229A053.RST

Injection Method : 8150P1AC from C:\TC4\PE1\229A053.RST

Injection Method : C:\TC4\METHODS\8150P1AC.mth

Calibration Method : C:\TC4\METHODS\229A8150.mth

Sequence File : C:\TC4\PE1\229.SEQ

Sample Volume : 1 ul

Area Reject : 1000.000000

Sample Amount : 250.0000

Dilution Factor : 1.00

HERB REPORT

=====
PE1A: DB-1701 30M X 0.53 MM ID 120 C, 2Min, 7°C; 260C, 8min
=====

Peak #	Ret Time [min]	Area [uV-sec]	Height [uV]	BL	Area/NG CAL FACT.	CR	Amount ng/ul	Amount ppb (Wet)	Component Name	Comments NC/CON/<DL
1	1.29	264310	70510	BB	1000000		0.2643	10.572		
2	1.67	180473	31133	BV	1000000		0.1805	7.219		
3	1.92	7264737	1517529	VB	1926034		3.7719	150.875	GALAPON	DR
4	2.32	506790	75729	BB	1000000		0.5068	20.272		
5	2.54	29670	5788	BB	1000000		0.0297	1.187		
6	2.81	40539	8418	BV	1000000		0.0405	1.622		
7	3.02	121951	22900	VB	1000000		0.1220	4.878		
8	3.29	332073	61899	BE	1000000		0.3321	13.283		
9	3.51	37930	6015	EV	1000000		0.0379	1.517		
10	3.65	169120	26770	VV	1000000		0.1691	6.765		
11	3.88	53909	9755	VV	1000000		0.0539	2.156		
12	4.02	39399	9314	VV	1000000		0.0394	1.576		
13	4.09	71029	11776	VB	1000000		0.0710	2.841		
14	4.33	29964	6253	BV	1000000		0.0300	1.199		
15	4.43	41533	6339	VV	1000000		0.0415	1.661		
16	4.62	80712	11303	VV	1000000		0.0807	3.228		
17	4.78	22638	4773	VV	1000000		0.0226	0.906		
18	4.88	28840	5493	VV	1000000		0.0288	1.154		
19	5.06	33902	5119	VV	1000000		0.0339	1.356		
20	5.16	33818	8327	VV	1000000		0.0338	1.353		
21	5.24	33292	5164	VB	1000000		0.0333	1.332		
22	5.47	19175	3318	BB	1000000		0.0192	0.767		
23	5.74	41187	7106	BV	1000000		0.0412	1.647		
24	5.83	51878	14291	VB	1000000		0.0519	2.075		
25	6.11	37575	7974	BB	1000000		0.0376	1.503		
26	6.41	66360	10399	BV	1000000		0.0664	2.654		

000032

Peak #	Ret Time [min]	Area [uV-sec]	Height [uV]	BL	Area/NG CAL FACT.	CR	Amount ng/ul	Amount ppb (Wet)	Component Name	Comments NC/CCW/<DL	
	6.71	42009	6340	VV	1000000		0.0420	1.680			
28	6.91	29001	9168	VB	1000000		0.0290	1.160			
23	7.14	9390	2101	BV	1000000		0.0094	0.376			
	7.23	11059	2626	VV	1000000		0.0111	0.442			
	7.39	64751	6777	VB	1000000		0.0648	2.590			
	7.88	59120	12827	BB	1000000		0.0591	2.365			
33	8.12	12966	3908	BV	1000000		0.0130	0.519			
34	8.25	391244	95181	VB	962037		0.4067	16.267	2,4 DCPAA 41 %		
	8.74	11145	2335	BB	4603720		0.0024	0.097	DICAMBA		
	8.96	13860	2207	BB	796		17.4033	696.133	MCPB NC		
	9.34	9455	2597	BB	2120		4.4594	178.377	MCPA NC		
38	10.61	40605	6169	BB	1000000		0.0406	1.624			
41	11.13	2163550	564607	BB	1000000		2.1635	86.542			
	12.47	38995	8493	BB	9035528		0.0043	0.173	SILVEX (2,4,5-TP) NC	} <DL CHB	
	13.69	343545	58003	BB	8534260		0.0403	1.610	2,4,5-T NC		
42	13.98	9533	2130	BV	1000000		0.0095	0.381			
4	14.09	22383	3942	VV	1000000		0.0224	0.895			
	14.34	184784	35483	VB	1000000		0.1848	7.391			
	15.11	20940	3907	BB	1000000		0.0209	0.838			
	16.35	24705	4561	BB	1000000		0.0247	0.988			
47	17.17	41800	7728	BB	1000000		0.0418	1.672			
	18.04	67720	13279	BB	1000000		0.0677	2.709			
	19.33	7750	1540	BB	1000000		0.0077	0.310			
-----							13253115	2809305	31.2644	1250.736	

DATA FLAGS: NC= NOT CONFIRMED ON OTHER CHANNEL; CONF= CONFIRMED
 V= OUTSIDE RT WINDOW; <DL= LESS THAN PQL; NA= NOT APPLICABLE

INITIAL V or M : 250 FINAL VOL: 10 COMPUTER CORRECTED MOISTURE? []

PREPARED BY Agatha Plummer 12/9/94

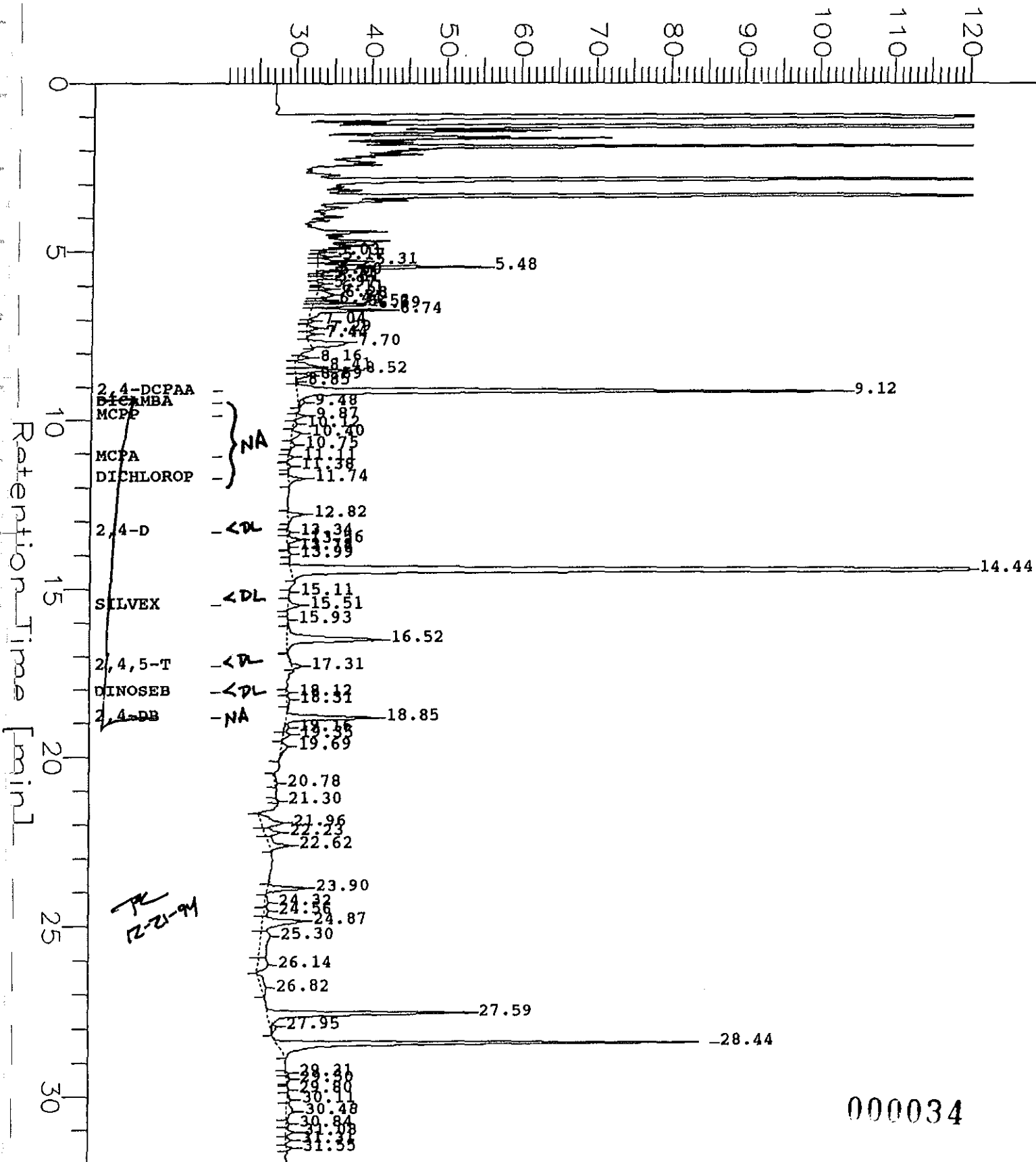
Patricia Conner
12-21-94

Sample Name : 22521-23
File Name : c:\2700\data0\187B033.raw
Method : 5890h.ins
Start Time : 0.00 min
Scale Factor : -1

End Time : 32.00 min
Plot Offset : 20 mV

Sample #: 2044-DUP
Date : 12/12/94 14:44
Time of Injection: 12/10/94 06:05
Low Point : 20.38 mV
High Point : 120.38 mV
Plot Scale: 100 mV

1.0ul inj/column Response[mV]



Software Version: 3.2 <16C20>

Sample Name : 22521-23
Sample Number: 2044-DUP
Operator : PATRICK

Time : 12/12/94 14:44
Study : A. 22521 11/15

Instrument : 970-1: HP1_(5890)
AutoSampler : NONE
Vial/Vial : 0/0

Channel : B A/D mV Range : 1000

Interface Serial # : 9161570932 Data Acquisition Time: 12/10/94 06:05
Delay Time : 0.00 min.
End Time : 32.00 min.
Sampling Rate : 2.0000 pts/sec

Raw Data File : c:\2700\data0\187B033.raw
Result File : c:\2700\data0\187B033.rst
Instrument File: c:\2700\data\5890h.ins
Process File : c:\2700\data\902h.prc
Sample File : c:\2700\data\187B8150.smp
Sequence File : c:\2700\data0\187.seq

Inj. Volume : 1 ul Area Reject : 4000.00
Sample Amount : 250.0000 Dilution Factor : 1.00

HERBICIDE REPORT HP-50+

1-B HP-50+ 30M X 0.53 MM ID 70 C,275 C

Peak #	Ret Time [min]	Area [uV-sec]	Height [uV]	BL	Area/NG CAL FACT.	Amount ng/ul	Amount ppb(Wet)	Amount (ppb Dry)	Component Name	Comments NC/CON/<DL
	5.17	6906	1948	BV	1000000	0.0069	0.007			
	5.31	24732	6350	VV	1000000	0.0247	0.025			
	5.48	94825	22491	VE	1000000	0.0948	0.095			
5	5.60	5491	1484	EV	1000000	0.0055	0.006			
7	5.81	5309	1331	VB	1000000	0.0053	0.005			
	6.11	6740	1727	BV	1000000	0.0067	0.007			
	6.20	19385	2407	VV	1000000	0.0194	0.019			
	6.40	6883	1867	VV	1000000	0.0069	0.007			
	6.53	21478	5814	VV	1000000	0.0215	0.022			
13	6.59	33661	7341	VV	1000000	0.0337	0.034			
	6.74	55563	10477	VV	1000000	0.0556	0.056			
	7.29	8088	1603	BV	1000000	0.0089	0.009			
	7.44	5658	1115	VB	1000000	0.0057	0.006			
8	7.70	43751	5176	BB	1000000	0.0438	0.044			
19	8.16	8516	1622	BB	1000000	0.0085	0.009			
	8.41	21585	3124	BV	1000000	0.0216	0.022			
	8.52	48879	7900	VV	1000000	0.0489	0.049			
	8.69	11988	1937	VE	1000000	0.0120	0.012			
4	9.12	458249	73452	BE	1201976	0.3813	0.381			
25	9.48	6438	747	EB	4385444	0.0015	0.002		2,4-DCPAA	
	9.87	8574	1342	BV	2977	2.8802	2.880		PTCMBBA NC	
	10.40	12746	1243	BB	1000000	0.0128	0.013		MCPE <DL	
	10.75	4589	631	BB	1000000	0.0046	0.005			
	11.74	16267	2137	BB	1154868	0.0141	0.014		STENLONOPROB	NA NC
33	12.82	17394	2069	BB	1000000	0.0174	0.017			
	13.56	12566	1728	VE	1000000	0.0126	0.013			
	14.44	1038706	160927	BB	1000000	1.0387	1.039			
	15.51	12602	1600	BB	5774568	0.0022	0.002		STEVEX <DL	
2	16.52	123829	12461	VB	1000000	0.1238	0.124		2,4,5-T R <DL	
43	17.31	7492	1192	BB	5445257	0.0014	0.001		2,4-DP	NA NC
	18.85	84833	11996	BE	792254	0.1071	0.107			
	19.16	5545	662	EV	1000000	0.0056	0.006			
	19.35	8733	959	VB	1000000	0.0087	0.009			
19	19.69	11376	909	BB	1000000	0.0114	0.011			
52	21.96	39096	2949	BV	1000000	0.0391	0.039			
53	22.23	21742	2124	VV	1000000	0.0217	0.022			
	22.62	27639	2696	VB	1000000	0.0276	0.028			
	23.90	33825	5089	BB	1000000	0.0338	0.034			
36	24.32	6289	438	BV	1000000	0.0063	0.006			
57	24.56	6897	575	VV	1000000	0.0069	0.007			

000035

24.87	57243	5340 VV	1000000	0.0572	0.057
25.30	44903	1243 VV	1000000	0.0449	0.045
26.14	26681	1346 VB	1000000	0.0267	0.027
26.82	19714	590 BB	1000000	0.0197	0.020
27.59	193781	26841 BE	1000000	0.1938	0.194
27.95	7114	644 EB	1000000	0.0071	0.007
28.44	351583	57649 BB	1000000	0.3516	0.352
29.50	4030	432 VB	1000000	0.0040	0.004
30.11	5523	601 VV	1000000	0.0055	0.006
30.48	16379	1129 VV	1000000	0.0164	0.016
31.08	6462	1001 VV	1000000	0.0065	0.007
31.31	4352	692 VB	1000000	0.0044	0.004

3133428	471146		5.9266	5.927
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 C=NOT CONFIRMED; CON=CONFIRMED; PREPARED BY *Agatha Rusman* REVIEWED BY *[Signature]*
 =====

[Signature]
 12-21-94

8150 - FORM 1
NYTEST ENVIRONMENTAL INC.

CHLORINATED PHENOXY HERBICIDES ANALYSIS DATA SHEET

SAMPLE MATRIX: WATER SAMPLE ID: HBLK7
CONC. LEVEL: LOW LAB SAMPLE ID: HWB1115A
EXTRACTION DATE: 11/15/94 DIL FACTOR: 4.00
ANALYSIS DATE: 12/05/94 % MOISTURE:NA

UG/L

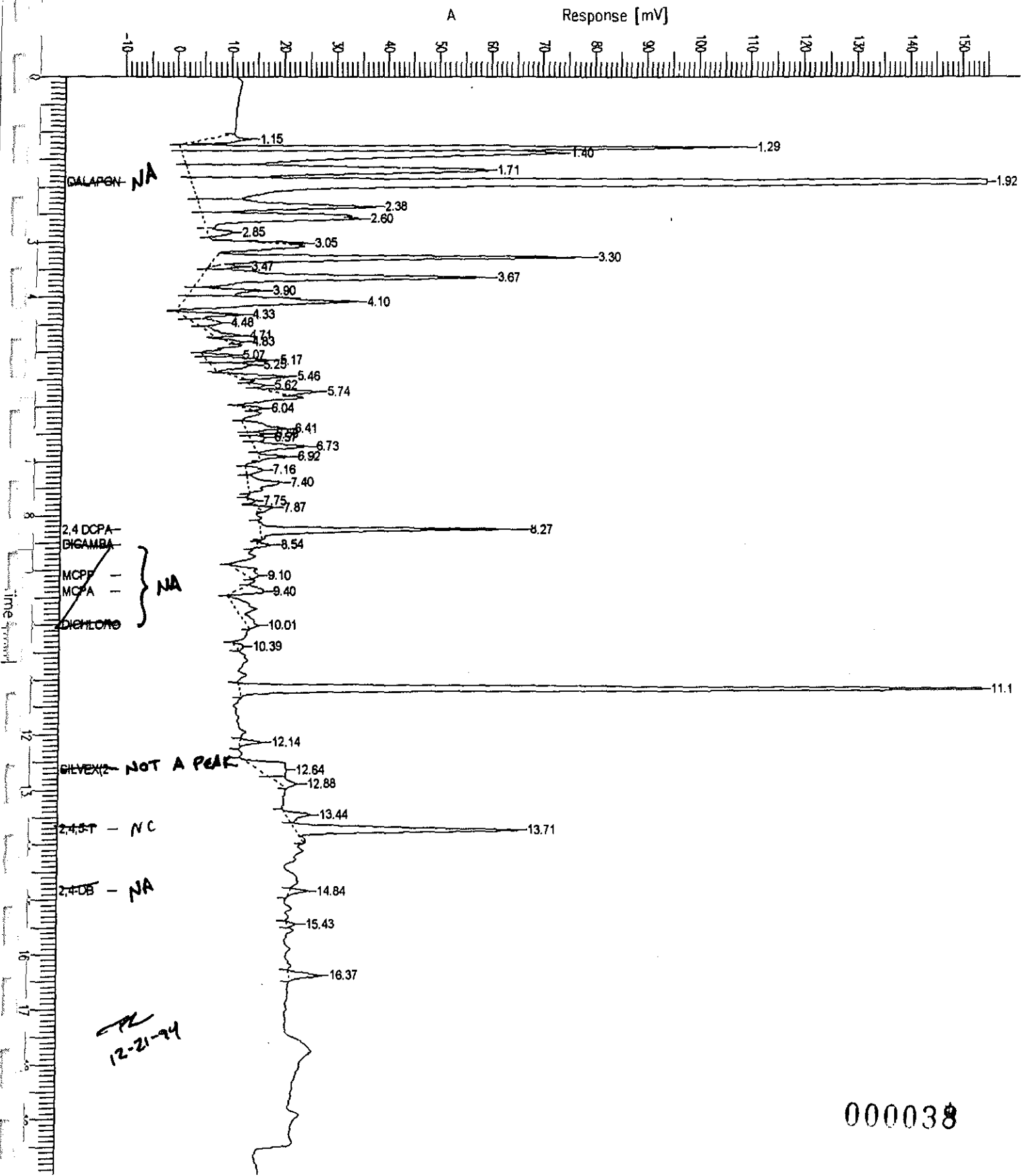
CMPD #	CAS Number	HERBICIDE COMPOUND	
1	94-75-7	2,4-D	4.0 U
2	93-71-1	2,4,5-TP (Silvex)	0.40 U
3	93-76-5	2,4,5-T	0.40 U
4	94-82-6	2,4-DB	8.0 U
5	75-99-0	Dalapon	10.0 U
6	1918-00-9	Dicamba	0.40 U
7	88-85-7	Dinoseb	2.00 U
8	120-36-5	2,4-DP (Dichloroprop)	4.0 U
9	94-74-6	MCPA	1000 U
10	93-65-2	MCPP	1000 U

000037

Sample Name : HBLK7
File Name : C:\TC4\PE1\229A046.raw
Method : 0150P1AC
Start Time : 0.00 min
Scale Factor : 0.0

End Time : 20.00 min
Plot Offset : -10 mV

Sample #: HWB1115A
Date : 12/6/94 16:30
Time of Injection: 12/5/94 10:27
Low Point : -10.00 mV
High Point : 155.00 mV
Plot Scale: 165.0 mV



Software Version: 4.0<1C29>

Sample Name : HBLK7
Sample Number: HWB1115A
Operator : PATRICK

Time : 12/6/94 16:30
Study : HLBK 7

Instrument : 970-1: PE1 Channel : A A/D mV Range : 10000
AutoSampler :
Rack/Vial : 0/0

Interface Serial # : 9161570931 Data Acquisition Time: 12/5/94 10:27
Delay Time : 0.00 min.
Load Time : 20.00 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\TC4\PE1\229A046.RAW
Result File : C:\TC4\PE1\229A046.RST
List Method : 8150P1AC from C:\TC4\PE1\229A046.RST
Loc Method : C:\TC4\METHODS\8150P1AC.mth
Calib Method : C:\TC4\METHODS\229A8150.mth
Sequence File : C:\TC4\PE1\229.SEQ

Sample Volume : 1 ul Area Reject : 1000.000000
Sample Amount : 250.0000 Dilution Factor : 1.00

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HERB REPORT

=====
PE1A: DB-1701 30M X 0.53 MM ID 120 C, 2Min, 7°C; 260C, 8min
=====

Peak #	Ret Time [min]	Area [uV-sec]	Height [uV]	BL	Area/NG CAL FACT.	CR	Amount ng/ul	Amount ppb (Wet)	Component Name	Comments NC/CON/<DL
1	1.15	53250	8156	BB	1000000		0.0532	2.130		
2	1.29	454810	118333	BV	1000000		0.4548	18.192		
3	1.39	631045	73020	VV	1000000		0.6310	25.242		
	1.71	494907	57929	VV	1000000		0.4949	19.796		
	1.92	2239220	417370	VV	1926034		1.1626	46.504	DALAPON	NC
	2.38	255565	33848	VV	1000000		0.2556	10.223		
7	2.60	255805	30303	VV	1000000		0.2558	10.232		
8	2.85	31348	4716	VB	1000000		0.0313	1.254		
	3.05	23255	4631	BB	1000000		0.0233	0.930		
	3.30	350403	72602	BE	1000000		0.3504	14.016		
	3.47	24540	5632	EV	1000000		0.0245	0.982		
22	3.67	393885	55366	VV	1000000		0.3939	15.755		
	3.90	85285	13763	VV	1000000		0.0853	3.411		
	4.10	277147	33340	VB	1000000		0.2771	11.086		
	4.33	50970	11501	BV	1000000		0.0510	2.039		
6	4.48	36150	5139	VV	1000000		0.0362	1.446		
17	4.71	30440	5402	VB	1000000		0.0304	1.218		
	4.83	9850	2471	BB	1000000		0.0098	0.394		
	5.07	21163	5865	BV	1000000		0.0212	0.847		
	5.17	60580	12076	VV	1000000		0.0606	2.423		
11	5.25	45367	8265	VB	1000000		0.0454	1.815		
22	5.46	42505	10013	BB	1000000		0.0425	1.700		
	5.62	8900	2830	BB	1000000		0.0089	0.356		
	5.74	41170	8781	BB	1000000		0.0412	1.647		
15	6.04	11950	3071	BB	1000000		0.0120	0.478		
26	6.41	52123	7767	BV	1000000		0.0521	2.085		

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ea	Ret Time [min]	Area [uV-sec]	Height [uV]	BL	Area/NG CAL FACT.	CR	Amount ng/ui	Amount ppb (Wet)	Component Name	Comments NC/CON/<DL
28	6.50	10937	3558	VV	1000000		0.0109	0.437		
29	6.57	16794	2923	VV	1000000		0.0168	0.672		
	6.73	61470	10090	VV	1000000		0.0615	2.459		
	6.92	20891	5650	VB	1000000		0.0209	0.836		
	7.16	22154	3284	BV	1000000		0.0222	0.886		
	7.40	59346	6392	VB	1000000		0.0593	2.374		
33	7.74	5120	1079	BB	1000000		0.0051	0.205		
34	7.87	12350	3135	BB	1000000		0.0124	0.494		
	8.27	203560	50209	BB	962038		0.2116	8.464	2,4 DCPAA 21%	
	8.54	9110	2865	BB	4603720		0.0020	0.079	DICHAIBA LN	
37	9.10	36870	2236	BB	924		39.9033	1596.134	MCPA NC	
38	9.40	35510	5524	BB	2120		16.7482	669.927	MCPA NL	
	10.01	73670	2126	BB	981605		0.0751	3.002	6-CHLOROPROP NA OW	
	10.39	8325	1398	BB	1000000		0.0083	0.333		
	11.15	940335	226060	BB	1000000		0.9403	37.613		
42	12.14	19330	4319	BB	1000000		0.0193	0.773		
43	12.63	95010	5211	BV	9035528		0.0105	0.421	SILVEX(2,4,5-TPT) P	
	12.88	31225	3472	VB	1000000		0.0312	1.249		
	13.44	29303	4708	BV	1000000		0.0293	1.172		
46	13.71	258387	43674	VB	8534260		0.0303	1.211	2,4,5-T NC	
47	14.84	15710	3476	BB	627674		0.0250	1.001	2,4-BB NA DL	
48	15.43	6940	1701	BB	1000000		0.0069	0.278		
	16.37	31980	5934	BB	1000000		0.0320	1.279		
		7985960	1411217				63.1875	2527.499		

DATA FLAGS: NC= NOT CONFIRMED ON OTHER CHANNEL; CONF= CONFIRMED
 * = OUTSIDE RT WINDOW; <DL= LESS THAN PQL; NA= NOT APPLICABLE

INITIAL ~~V~~ or ~~M~~ : 250 FINAL VOL: 10 COMPUTER CORRECTED MOISTURE? []

PREPARED BY Agatha Plummer 12/9/94

FORM 2
 NYTEST ENVIRONMENTAL INC.
 HERBICIDE SURROGATE RECOVERY

LOGIN # : 22521

MATRIX : WATER

<<<<HERBICIDE>>>>

SAMPLE ID	2,4-DCPAA % RECOVERY	HERB OUT
01 2044-1	44 OK	0
02 2044-2	49 OK	0
03 2044-3	52 OK	0
04 2044-FB	40 OK	0
05 2044-DUP	41 OK	0
06 HBLK7	21 OK	0
07		
08		
09		
10		
11		
12		
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25		
26		
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28		
29		
30		

ADVISORY QC LIMITS

2,4-DCPAA 5 - 285

* RECOVERY OUTSIDE ADVISORY QC LIMITS
 I MATRIX INTERFERENCE

000041

METHOD BLANK SUMMARY

FORM 4

BYTEST ENVIRONMENTAL

CONTRACT: *AR 9421415*

MATRIX: (~~soil~~/water):

LEVEL: (low/~~med~~):

INSTRUMENT ID: *PEIA*

GC COLUMN: *DB1701*

EXTRACTION DATE: *11-15-94*

0.53m X 10 M

The Method Blank listed below applies to the following sample(s), MS, MSD:

Sample id	Lab id	File Name	Date Of Injection	Time Of Injection	2,4 DCPAA RT (reference)
H115A	HBLK7	229a046.rst	12/5/94	10:27	8.27
1-1	22521-19	229A049.rst	12/5/94	11:59	8.27
14-2	22521-20	229A050.rst	12/5/94	12:29	8.29
2044-3	22521-21	229A051.rst	12/5/94	13:01	8.24
21-1-FB	22521-22	229A052.rst	12/5/94	13:31	8.24
21-1-DUP	22521-23	229A053.rst	12/5/94	14:02	8.25

000042

NYTEST ENVIRONMENTAL

CONTRACT: AA 9421415

INSTRUMENT ID: PE1A

GC COLUMN ID: DB1701

DATES of ANALYSIS:

12/4/94

TO

12/5/94

File Name	Sample Name	Sample Number	Date Of Injection	Time Of Injection	Ret. Time	2,4 DCPAA	
						%	D
a003.rst	8150-1	8150-1	12/4/94	11:47	8.31	-	
a004.rst	8150-2	8150-2	12/4/94	12:18	8.31	0	
9a005.rst	8150-3	8150-3	12/4/94	12:49	8.31	0	
229a006.rst	8150-4	8150-4	12/4/94	13:20	8.32	0.12	
2 a007.rst	8150-5	8150-5	12/4/94	13:51	8.32	0.12	
a044.rst	8150-3	8150-3	12/5/94	09:25	8.26	0.160	
a046.rst	HBLK7	HWB1115A	12/5/94	10:27	8.27	0.5 0.48	
2 9A049.rst	22521-19	2044-1	12/5/94	11:59	8.27	0.5 0.48	
2 9A050.rst	22521-20	2044-2	12/5/94	12:29	8.29	0.24	
2 A051.rst	22521-21	2044-3	12/5/94	13:01	8.24	0.84	
A052.rst	22521-22	2044-FB	12/5/94	13:31	8.24	0.84	
9A053.rst	22521-23	2044-DUP	12/5/94	14:02	8.25	0.72	
229a055.rst	8150-3	8150-3	12/5/94	15:03	8.25	0.72	

* Values outside of QC limits (2.0 for packed columns, 0.3% for capillary columns, 1.5% for wide bore capillary.)

000043

RT WINDOW SUMMARY REPORT

STANDARD: 8150 INSTRUMENT: PE1 A SEQUENCE: 229

File Name	Sample Name	Sample Number	DALAPON			2,4 DCPAA		
			RT (actual)	RT WINDOW FROM	RT WINDOW TO	RT (actual)	RT WINDOW FROM	RT WINDOW TO
229A003.	8150-1	8150-1	2.00	1.93	2.07	8.31	8.24	8.38
229A004.	8150-2	8150-2	2.00	1.93	2.07	8.31	8.24	8.38
229A005.	8150-3	8150-3	2.01	1.94	2.08	8.31	8.24	8.38
229A006.	8150-4	8150-4	2.02	1.95	2.09	8.32	8.25	8.39
229A007.	8150-5	8150-5	2.02	1.95	2.09	8.32	8.25	8.39
Averages			2.01	1.94	2.08	8.31	8.24	8.38

File Name	Sample Name	Sample Number	DICAMBA			MCFP		
			RT (actual)	RT WINDOW FROM	RT WINDOW TO	RT (actual)	RT WINDOW FROM	RT WINDOW TO
229A003.	8150-1	8150-1	8.63	8.56	8.70	8.94	8.87	9.01
229A004.	8150-2	8150-2	8.63	8.56	8.70	8.94	8.87	9.01
229A005.	8150-3	8150-3	8.63	8.56	8.70	8.94	8.87	9.01
229A006.	8150-4	8150-4	8.65	8.58	8.72	8.96	8.89	9.03
229A007.	8150-5	8150-5	8.65	8.58	8.72	8.97	8.90	9.04
Averages			8.64	8.57	8.71	8.95	8.88	9.02

File Name	Sample Name	Sample Number	MCPA			DICHLOROPROP		
			RT (actual)	RT WINDOW FROM	RT WINDOW TO	RT (actual)	RT WINDOW FROM	RT WINDOW TO
229A003.	8150-1	8150-1	9.49	9.42	9.56	10.13	10.06	10.21
229A004.	8150-2	8150-2	9.49	9.42	9.56	10.13	10.06	10.21
229A005.	8150-3	8150-3	9.50	9.43	9.57	10.13	10.06	10.21
229A006.	8150-4	8150-4	9.52	9.45	9.59	10.15	10.08	10.22
229A007.	8150-5	8150-5	9.53	9.46	9.60	10.15	10.08	10.22
Averages			9.51	9.44	9.58	10.14	10.07	10.21

File Name	Sample Name	Sample Number	2,4-D			SILVEX(2,4,5-TP)		
			RT (actual)	RT WINDOW FROM	RT WINDOW TO	RT (actual)	RT WINDOW FROM	RT WINDOW TO
229A003.	8150-1	8150-1	10.94	10.87	11.01	12.54	12.47	12.61
229A004.	8150-2	8150-2	10.94	10.87	11.01	12.54	12.47	12.61
229A005.	8150-3	8150-3	10.94	10.87	11.01	12.54	12.47	12.61
229A006.	8150-4	8150-4	10.95	10.88	11.02	12.56	12.49	12.63
229A007.	8150-5	8150-5	10.95	10.88	11.02	12.56	12.49	12.63
Averages			10.94	10.87	11.01	12.55	12.48	12.62

File Name	Sample Name	Sample Number	2,4,5-T			2,4-DB		
			RT (actual)	RT WINDOW FROM	RT WINDOW TO	RT (actual)	RT WINDOW FROM	RT WINDOW TO
229A003.	8150-1	8150-1	13.65	13.58	13.72	14.80	14.73	14.87
229A004.	8150-2	8150-2	13.64	13.57	13.71	14.80	14.73	14.87
229A005.	8150-3	8150-3	13.64	13.57	13.71	14.80	14.73	14.87
229A006.	8150-4	8150-4	13.66	13.59	13.73	14.81	14.74	14.88
229A007.	8150-5	8150-5	13.65	13.58	13.72	14.81	14.74	14.88
Averages			13.65	13.58	13.72	14.80	14.73	14.87

File Name	Sample Name	Sample Number	DINGSEB		
			RT (actual)	RT WINDOW FROM	RT WINDOW TO
229A003.	8150-1	8150-1	15.97	15.90	16.04
229A004.	8150-2	8150-2	15.97	15.90	16.04
229A005.	8150-3	8150-3	15.98	15.91	16.05
229A006.	8150-4	8150-4	16.00	15.93	16.07
229A007.	8150-5	8150-5	16.00	15.93	16.07
Averages			15.99	15.92	16.06

000045

CALIBRATION FACTORS and RSD SUMMARY

STANDARD: 8150 INSTRUMENT: PE1A SEQUENCE: 229

DATA FILE NAME	Sample Name	Sample Number	DALAPON CALIBRATION FACTOR	2,4 DCPAA CALIBRATION FACTOR	DICAMBA CALIBRATION FACTOR	MCPP CALIBRATION FACTOR
229A003.	8150-1	8150-1	2159520.0000	1220020.0000	6037200.0000	796.4000
229A004.	8150-2	8150-2	1933736.0000	995650.0000	4656300.0000	967.2000
229A005.	8150-3	8150-3	1974444.0000	806070.0000	3957700.0000	1207.2000
229A006.	8150-4	8150-4	2161094.0000	825842.5000	4074250.0000	1506.5000
229A007.	8150-5	8150-5	1501374.0000	962605.0000	4292550.0000	1739.5500

Averages			1926033.6000	962037.5000	4603720.0000	1243.7700
SD			14.2418	17.2813	18.3422	*30.9790

DATA FILE NAME	Sample Name	Sample Number	MCPA CALIBRATION FACTOR	DICHLOROPROP CALIBRATION FACTOR	2,4-D CALIBRATION FACTOR	SILVEX(2,4,5-TP) CALIBRATION FACTOR
229A003.	8150-1	8150-1	1992.0000	1264120.0000	1620120.0000	1.1743e-07
229A004.	8150-2	8150-2	1814.4000	1028720.0000	1234240.0000	8891400.0000
229A005.	8150-3	8150-3	1975.6000	828330.0000	1062948.5714	7532400.0000
229A006.	8150-4	8150-4	2350.5500	823900.0000	1023910.0000	7789350.0000
229A007.	8150-5	8150-5	2578.6125	962955.0000	1232627.5000	9221287.5000

Averages			2127.3325	961605.0000	1234769.2143	9135527.5000
SD			15.5423	18.4182	19.1000	18.5186

DATA FILE NAME	Sample Name	Sample Number	2,4,5-T CALIBRATION FACTOR	2,4-DB CALIBRATION FACTOR	DINOSEB CALIBRATION FACTOR
229A003.	8150-1	8150-1	9962800.0000	771120.0000	5996240.0000
229A004.	8150-2	8150-2	9258200.0000	649200.0000	4621160.0000
229A005.	8150-3	8150-3	7754700.0000	525420.0000	3831520.0000
229A006.	8150-4	8150-4	7433950.0000	552382.5000	4203300.0000
229A007.	8150-5	8150-5	8261650.0000	640247.5000	4998325.0000

Averages			6534260.0000	627674.0000	4730109.0000
SD			12.3695	15.3895	17.5989

* USE CURVE

000046

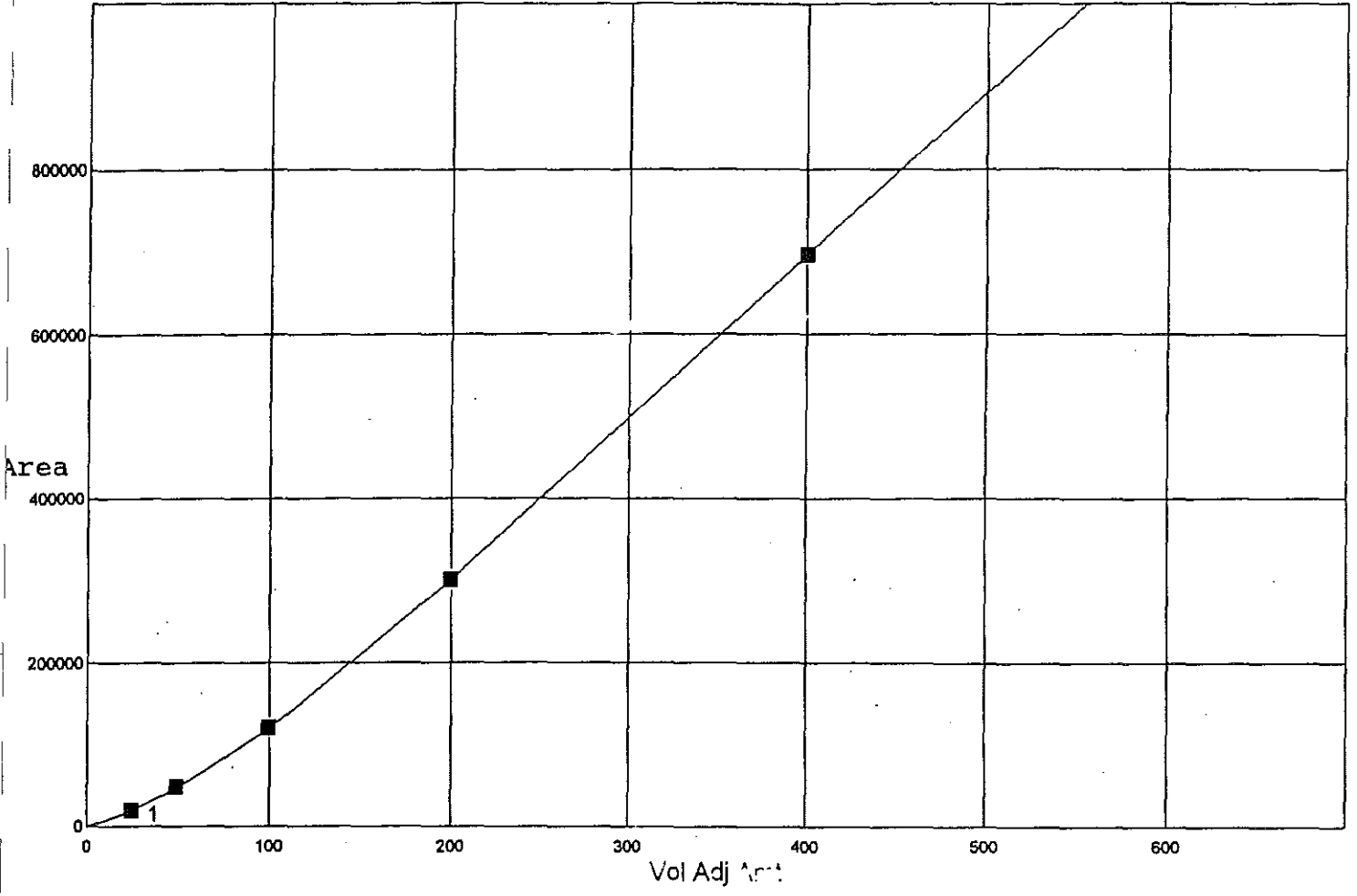
Component Name: "MCP"PP"

Date: 12/5/94 Time: 07:52

Curve Parameters:

Curve #1 : Pt to Pt Fit - Force Origin
Weighting Factor = 1.0 (No Weighting)

MCP"PP



STANDARD AREAS PERCENT DIFFERENCE SUMMARY

STANDARD: 8150 INSTRUMENT: PEIA ICAL SEQ. 229 CCAL SEQ. 229

COLUMN: DB1701

DATA FILE NAME	Sample Name	Sample Number	PEAK AREA (STANDARD)	2,4 DCPAA PERCENT DIFFERENCE (ICAL AREA - CCAL AREA / ICAL AREA) X 100
a005.	8150-3	8150-3	806070.0000	12.5
a044.	8150-3	8150-3	705375.4545	
Averages			755722.7273	

DATA FILE NAME	Sample Name	Sample Number	PEAK AREA (STANDARD)	2,4-D PERCENT DIFFERENCE (ICAL AREA - CCAL AREA / ICAL AREA) X 100
a005.	8150-3	8150-3	1062948.5714	14.2
a044.	8150-3	8150-3	911450.0000	
Averages			987199.2857	

DATA FILE NAME	Sample Name	Sample Number	PEAK AREA (STANDARD)	SILVEX(2,4,5-TP) PERCENT DIFFERENCE (ICAL AREA - CCAL AREA / ICAL AREA) X 100
a005.	8150-3	8150-3	753240.0000	13.7
a044.	8150-3	8150-3	649790.0000	
Averages			701515.0000	

DATA FILE NAME	Sample Name	Sample Number	PEAK AREA (STANDARD)	2,4,5-T PERCENT DIFFERENCE (ICAL AREA - CCAL AREA / ICAL AREA) X 100
a005.	8150-3	8150-3	775470.0000	10.5
a044.	8150-3	8150-3	686469.6552	
Averages			730969.8276	

DATA FILE NAME	Sample Name	Sample Number	PEAK AREA (STANDARD)	DINOSEB PERCENT DIFFERENCE (ICAL AREA - CCAL AREA / ICAL AREA) X 100
a005.	8150-3	8150-3	1915760.0000	17.7 *
a044.	8150-3	8150-3	1575745.0000	
Averages			1745752.5000	

* Quantitate
From Ch B

STANDARD AREAS PERCENT DIFFERENCE SUMMARY

STANDARD: 8150 INSTRUMENT: PEIA ICAL SEQ. 229 CCAL SEQ. 229
 COLUMN: DB1701

2,4 DCPAA

FILE NAME	Sample Name	Sample Number	PEAK AREA (STANDARD)	PERCENT DIFFERENCE (ICAL AREA - CCAL AREA / ICAL AREA) X 100
05.	8150-3	8150-3	806070.0000	9.4
55.	8150-3	8150-3	882185.4545	
averages			844127.7273	

2,4-D

FILE NAME	Sample Name	Sample Number	PEAK AREA (STANDARD)	PERCENT DIFFERENCE (ICAL AREA - CCAL AREA / ICAL AREA) X 100
05.	8150-3	8150-3	1062948.5714	8.5
55.	8150-3	8150-3	1153780.0000	
averages			1108364.2857	

SILVEX(2,4,5-TP)

FILE NAME	Sample Name	Sample Number	PEAK AREA (STANDARD)	PERCENT DIFFERENCE (ICAL AREA - CCAL AREA / ICAL AREA) X 100
05.	8150-3	8150-3	753240.0000	12.6
55.	8150-3	8150-3	848230.0000	
averages			800735.0000	

2,4,5-T

FILE NAME	Sample Name	Sample Number	PEAK AREA (STANDARD)	PERCENT DIFFERENCE (ICAL AREA - CCAL AREA / ICAL AREA) X 100
05.	8150-3	8150-3	775470.0000	10.8
55.	8150-3	8150-3	859620.0000	
averages			817545.0000	

DINOSEB

FILE NAME	Sample Name	Sample Number	PEAK AREA (STANDARD)	PERCENT DIFFERENCE (ICAL AREA - CCAL AREA / ICAL AREA) X 100
05.	8150-3	8150-3	1915760.0000	10.5
55.	8150-3	8150-3	2117700.0000	
averages			2016730.0000	

