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 3 of 3

TOTAL ANALYTICAL SERVICES FOR A SAFE ENVIRONMENT

nytest environmental inc.

Project No.: 9421415
Log in No. : 22633F
P.O. No. : Pending
Date : 2/21/95
SDG No. : Army 3
NJDEPE Case #:93-6-28-1009-35

ANALYTICAL DATA REPORT
PACKAGE FOR

Aguilar Associates

30 Freneau Avenue

Matawan, NJ 07747

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

LABORATORY NUMBER	SAMPLE IDENTIFICATION	TYPE OF SAMPLE

S E E N E X T P A G E

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

RESPECTFULLY SUBMITTED,
NYTEST ENVIRONMENTAL INC.

REMO GIGANTE
EXEC. VICE PRESIDENT

NYS Lab ID. #10195
NJ Cert. #73469

NYTEST ENVIRONMENTAL Inc

LABORATORY NUMBER	SAMPLE IDENTIFICATION	WELL #	TYPE OF SAMPLE
2263322	2044-1	1-2930970	Water
2263323	2044-2	2-2930971	Water
2263324	2044-3	3-2930972	Water
2263325	2044-FB	-	Water
2263326	2044-DUP	-	Water
2263327	2044-TB	-	Water

Table of Contents

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

U.S. ARMY FORT MONMOUTH

MONITORING WELL SAMPLING DATASHEET

DATE: 11-30-94

IJO#94-0843 C

SAMPLING CONTRACTOR: Aguilar Associates Inc.

LABORATORY: NYTEST Environmental Inc. CERT #:73469

SAMPLERS NAMES: D. Schmitt, N. Vonasek, S. Panizzi

WEATHER CONDITIONS: Mid 40's cold, windy

ELEVATION OF CASING SURVEY MARK: 35.06

TOTAL DEPTH OF WELL FROM TOP OF SURVEYORS MARK: 18.15 FT

DEPTH FROM SURVEYORS MARK TO SCREEN: 2.0 FT

LENGTH OF SCREENED SECTION: 13 FT.

DEPTH TO WATER PRIOR TO PURGING AND SAMPLING: 4.11 FT

ELEVATION OF GW PRIOR TO PURGING: 30.95 FT

THICKNESS OF LNAPL PRIOR TO PURGING : -.- FT

PID/Hnu READING IMMEDIATELY AFTER THE WELL CAP IS REMOVED: 1.5 PPM

pH: 6.54 TEMP: 12 C, SPECIFIC CONDUCTIVITY: 660 u S D.O. - 3.0

DEPTH OF WELL: 18.15 FT

HEIGHT OF WATER: 14.04 FT

EVACUATED GAL. H2O: 27.5 GAL (14.04 X .65 X 3 = 27.39)

PURGING START TIME: 1335 END TIME: 1405

PURGE METHOD: REDI-FLOW 2 INCH SUBMERSIBLE PUMP VARIABLE FLOW RATE OF <0.5 GPM TO >5.0 GPM

PURGE RATE (<0.5 GPM): <1 GPM

TOTAL VOLUME PURGED: 27.5 GAL.

DEPTH TO WATER AFTER PURGING AND BEFORE SAMPLING: 5.49 FT

DISSOLVED OXYGEN: 4.9 pH: 6.71 TEMP: 11 °C

SPECIFIC CONDUCTIVITY: 450 u S

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

START TIME OF SAMPLING: 1436 END TIME: 1445

DISSOLVED OXYGEN: 4.0 pH: 6.58 TEMP: 10 °C

SPECIFIC CONDUCTIVITY: 660 u S

COMMENTS: _____

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

U.S. ARMY FORT MONMOUTH

MONITORING WELL SAMPLING DATASHEET

DATE: 11-30-94

IJO#94-0843 C

SAMPLING CONTRACTOR: Aguilar Associates Inc.

LABORATORY: NYTEST Environmental Inc. CERT #:73469

SAMPLERS NAMES: D Schmith. V. Vonasek. S. Panizei

WEATHER CONDITIONS: Mid 40's, cold, windy

ELEVATION OF CASING SURVEY MARK: 35 . 05

TOTAL DEPTH OF WELL FROM TOP OF SURVEYORS MARK: 18 . 05 FT

DEPTH FROM SURVEYORS MARK TO SCREEN: 2 . 6 FT

LENGTH OF SCREENED SECTION: 13 FT.

DEPTH TO WATER PRIOR TO PURGING AND SAMPLING: 4 . 25 FT

ELEVATION OF GW PRIOR TO PURGING: 30 . 80 FT

THICKNESS OF LNAPL PRIOR TO PURGING : - . - FT

PID/Hnu READING IMMEDIATELY AFTER THE WELL CAP IS REMOVED: 4 PPM

pH: 5.12 TEMP: 13 C, SPECIFIC CONDUCTIVITY: 240 u5

D.O.- 2.5

DEPTH OF WELL: 18 . 05 FT

HEIGHT OF WATER: 13 . 80 FT

EVACUATED GAL. H2O: 27 GAL (13.8 X .65 X 3 = 26.91)

PURGING START TIME: 1310 END TIME: 1335

PURGE METHOD:REDI-FLOW 2 INCH SUBMERSIBLE PUMP VARIABLE FLOW RATE OF <0.5 GPM TO >5.0 GPM

PURGE RATE (<0.5 GPM): >1 GPM

TOTAL VOLUME PURGED: 27 GAL.

DEPTH TO WATER AFTER PURGING AND BEFORE SAMPLING: 4 . 45 FT

DISSOLVED OXYGEN: 2.3 pH: 5.06 TEMP: 12.5 °C

SPECIFIC CONDUCTIVITY: 300 u5

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

START TIME OF SAMPLING: 14:21 END TIME: 14:30

DISSOLVED OXYGEN: 3.4 pH: 5.15 TEMP: 10.5 °C

SPECIFIC CONDUCTIVITY: 300 u5

COMMENTS: _____

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

U.S. ARMY FORT MONMOUTH

MONITORING WELL SAMPLING DATASHEET

DATE: 11-30-94

IJO#94-0843 C

SAMPLING CONTRACTOR: Aguilar Associates Inc.

LABORATORY: NYTEST Environmental Inc. CERT #:73469

SAMPLERS NAMES: D. Schmitt, N. Vonasek

WEATHER CONDITIONS: Mid 40's, cold, windy

ELEVATION OF CASING SURVEY MARK: 36.34

TOTAL DEPTH OF WELL FROM TOP OF SURVEYORS MARK: 18.20 FT

DEPTH FROM SURVEYORS MARK TO SCREEN: 2.0 FT

LENGTH OF SCREENED SECTION: 13 FT.

DEPTH TO WATER PRIOR TO PURGING AND SAMPLING: 5.19 FT

ELEVATION OF GW PRIOR TO PURGING: 31.15 FT

THICKNESS OF LNAPL PRIOR TO PURGING : —.— FT

PID/Hnu READING IMMEDIATELY AFTER THE WELL CAP IS REMOVED: 0 PPM

pH: 5.56 TEMP: 12.5 C, SPECIFIC CONDUCTIVITY: 220 us D.O. - 3.1

DEPTH OF WELL: 18.20 FT

HEIGHT OF WATER: 13.01 FT

EVACUATED GAL. H2O: 25.5 GAL (13.01 X .65 X 3 = 25.37)

PURGING START TIME: 1310 END TIME: 1330

PURGE METHOD: REDI-FLOW 2 INCH SUBMERSIBLE PUMP VARIABLE FLOW RATE OF <0.5 GPM TO >5.0 GPM

PURGE RATE (<0.5 GPM): 7/ GPM

TOTAL VOLUME PURGED: 25.5 GAL.

DEPTH TO WATER AFTER PURGING AND BEFORE SAMPLING: 5.24 FT

DISSOLVED OXYGEN: 5.2 pH: 5.40 TEMP: 12 °C

SPECIFIC CONDUCTIVITY: 250 us

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

START TIME OF SAMPLING: 14:5 END TIME: 1425

DISSOLVED OXYGEN: 5.1 pH: 5.63 TEMP: 11 °C

SPECIFIC CONDUCTIVITY: 210 us

COMMENTS: _____

U.S. ARMY FORT MONMOUTH

P.O. #: Aguilar/94-0843

Chain of Custody

Project #: 93-6-28-1009-35	Sampler: D. Schmitt - Aguilar Assoc.	Date / Time 11/30/94 | 310	Analysis Parameters
Customer: C. Appleby SELFM-PW-EU	Site Name: Bldg 2044 DICAR#-93-6-28-1009-35 MW Samplings		Start: / Finish:
Phone: (908) 532-6224			Preservation Method

Lab Sample ID Number	Date/Time	Customer Sample Location/ID Number	Sample Matrix	# of Bottles	BTEX, MTBE	Total Lead	Pesticides	Herbicides	Hnu (ppm)	Remarks
17746.1	11/30/94 1445	MW-1, 2930970	AQ	7	2	1	2	2	1.5	Sample Kept <4°C
.2	1430	MW-2, 2930971	AQ	7	2	1	2	2	4.0	
.3	1420	MW-3, 2930972	AQ	7	2	1	2	2	0	
.4	1415	Field Blank	AQ	7	2	1	2	2		
.5	1330	Trip Blank	AQ	2	2					
.6	-	Duplicate	AQ	5	2	1	1	1		
										Hnu SN 801497
										Hnu = 0
										calibrated 11/23/94
										58ppm Benzene Surrogate reads 56 ppm 9.5 span

D.S.

Relinquished By (signature)	Date / Time	Received By (signature)	Shipped By:
Daniel W. Schmitt	11/30/94 | 310	Sarah J. Hubbard	
Relinquished By (signature)	Date / Time	Received for Lab by (signature):	Date / Time

Note: A drawing depicting sample location should be attached or drawn on the reverse side of this chain of custody. NONE

Enviornmental Laboratory

Certification Number 13461

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: Aguilar Assoc. & Cons., Inc.
Address: 30 Fremeau Ave.
Matawan, NJ 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:

Analysis Requested

Lab ID (Lab Use Only)	Sample ID (Maximum of 6 Characters)	Date Sampled	Time Sampled	Sample Location	No. of Containers	624+15, xylenes, TBA MTBE	Total Lead	Pesticides	Herbicides
	MW-1	11/30/94	1445	Bldg 2044	7	2	1	2	2
	MW-2		1430		7	2	1	2	2
	MW-3		1420		7	2	1	2	2
	Field B		1415	Field Blank	7	2	1	2	2
	Trip B		1330	Trip Blank	2	2			
	Dup		—	Dup	5	2	1	1	1

Bin #'s In / Out (For Lab Use Only)

Comments

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 #:

100001

	Date / Time		Date / Time
Relinquished by: Darryl W. Schmitt	11/30/94 1600	Received by: T. Rymanowski	11/30/94 16:00
Print Name: Darryl W. Schmitt		Print Name:	
Relinquished by:		Received by:	
Print Name:		Print Name:	
Relinquished by: T. Rymanowski	11/30/94 18:20	Received by Laboratory: Peri Reyes	11/30/94 1820
Print Name: T. Rymanowski		Print Name:	

Special Instructions :

CLIENT RETAINS YELLOW COPY ONLY

Lab Use Only

Custody Seals: Intact Broken Absent
Sample Rec'd in Good Condition? : Y N
Sample Temperature: 5 Degrees Celcius
INSPECTED BY: PR
COMMENTS:

NY TEST ENVIRONMENTAL INC.

INTERNAL CHAIN OF CUSTODY

Laboratory Person Breaking Field Seal on Sample Shuttle & Accepting Responsibility for Sample	NAME: Piere Pendes	TITLE: SCO
Client: Aguilar Associates	Date Broken 11/30/94	Military Time Seal Broken: 1820
Login #: 22633	Analytical Parameter/Fraction: PG24+15, Pb, 8080PEST, 8150	

SAMPLE NO.	ALIQUOT/EXTRACT NO.	SAMPLE NO.	ALIQUOT/EXTRACT NO.	SAMPLE NO.	ALIQUOT/EXTRACT NO.
296-1	22633-01	296-MSD	22633-11	2562-3	22633-21
296-2	02	290-1	12	2044-1	22
296-3	03	108-1	13	2044-2	23
296-6	04	108-2	14	2044-3	24
296-7	05	108-3	15	2044-FB	25
296-8	06	750-1	16	2044-DUP	26
296-FB	07	750-3	17	2044-TB	27
296-TB	08	750-4	18		
296-DUP	09	2562-1	19		
296-MS	10	2562-2	20		

DATE	TIME	RELINQUISHED BY	RECIEVED BY	PURPOSE OF CHANGE OF CUST.
12/1/94	1152	PRINTED NAME M. LANI SIGNATURE M. Lani	PRINTED NAME P. BOCANEGRA SIGNATURE	PG24+15
12/1/94	1310	PRINTED NAME M. LANI SIGNATURE M. Lani	PRINTED NAME C VOSS SIGNATURE C Voss	8080PEST, 8150
12/6/94	1300	PRINTED NAME C VOSS SIGNATURE C Voss	PRINTED NAME P. PERALDES SIGNATURE	STORAGE
12/6/94	1443	PRINTED NAME M LANI SIGNATURE M. Lani	PRINTED NAME A. Frimpong SIGNATURE A. Frimpong	PB
12/8/94	1500	PRINTED NAME A. Frimpong SIGNATURE A. Frimpong	PRINTED NAME M. LANI SIGNATURE M. Lani	STORAGE
12/13/94	0800	PRINTED NAME P. BOCANEGRA SIGNATURE	PRINTED NAME M. LANI SIGNATURE M. Lani	STORAGE
		PRINTED NAME SIGNATURE	PRINTED NAME SIGNATURE	
		PRINTED NAME SIGNATURE	PRINTED NAME SIGNATURE	000002

LABORATORY DELIVERABLES

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

Lori Berg

Laboratory Manager or Environmental Consultant's Signature

2/21/95

Date

GC/MS ANALYSIS CONFORMANCE/NON-CONFORMANCE SUMMARY FORMAT

		No	Yes
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 VBLK 39 MeCl₂ 2.6 ppb, VBLK 41 MeCl₂ 1.5 ppb, VBLK 43 Xylenes 1.1 ppb, VBLK 60S MeCl₂ 2.1 ppb, xylenes 7 ppb (On Summary 2/18/95)

b. ~~B/N Fraction~~ ____

c. Acid Fraction ____

RM 1/11/95

7. Surrogate Recoveries Meet Criteria — No: ✓ — Yes: ~~✓~~

If not met, list those compounds and their recoveries which fall outside the acceptable range:

a. VOA Fraction ____

b. B/N Fraction ~~See Form 2G~~ On Summary 2/18/95

c. Acid Fraction ____

If not met, were the calculations checked and the results qualified as estimated? NA RM 1/11/95

8. Matrix Spike/Matrix Spike Duplicate Recoveries Meet Criteria (if not met, list these compounds and their recoveries which fall outside the acceptable range) — No: ✓ — Yes: ~~✓~~

a. VOA Fraction Benzene (156) 2/18/95

b. B/N Fraction ~~See recovery reports~~ On Summary 2/18/95

c. Acid Fraction ____

9. Internal Standard Area/Retention Time Shift Meet Criteria NA

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

		No	Yes
10.	Extraction Holding Time Met	✓	

If not met, list number of days exceeded each sample: SEVERAL SAMPLES REQUIRED RE-EXTRACTIONS, WHICH WERE PERFORMED OUTSIDE OF HOLDING TIME

11.	Analysis Holding Time Met		✓

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

Additional Comments: _____

Laboratory Manager: [signature] Date 2/21/95

QC ANALYSIS CONFORMANCE/NON-CONFORMANCE SUMMARY FORMAT

		No	Yes
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 TCX: 41% / DCB: 39% & 42%
e. Other_____

If not met, were the calculations checked and the results qualified as "estimated"? NA

6.	Matrix Spike/Matrix Spike Duplicate Recoveries Meet Criteria (if applicable)	NA	

(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 ~~Site Specific~~ batched QC A 12/29/20
e. Other_____

7.	Retention time Shift Meet Criteria (if applicable)	___	✓

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

	No	Yes
8. Extraction Holding Time Met	___	✓

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

9. Analysis Holding Time Met	___	✓

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

Additional Comments: _____

Laboratory Manager: _____ Date: 2/21/95

METAL ANALYSIS CONFORMANCE/NON-CONFORMANCE SUMMARY FORMAT

		No	Yes
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	✓ (EB 2/9/95)
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) SEE FORMS... _____ _____	✓	___
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 Bey Date: 2/21/95

Laboratory Chronicle

Client Name: Aguilar Associates — Log In No.: 22633F

Date(s) of Sample Collection: 11/30/94

Date Received: 11/30/94

Sample ID: As per chain of custody

Organics Extraction:

1. Acids
2. Base/Neutrals — 12/1/94
3. Pesticides/PCBs — 12/5/94
4. Herbicides

Analysis:

	12/1/94	12/2/94
1. Volatiles		
2. Acids		
3. Base/Neutrals	12/07/94	
4. Pesticides/PCBs	12/10/94	
5. Herbicides		

Section Supervisor Review & Approval: Tom Bey

Digestion - 12/06/94 Analysis - 12/16/94, 12/19/94

Inorganics:

1. Metals
2. Cyanides
3. Phenols

Other Analysis:

Section Supervisor Review & Approval: Tom Bey

Quality Control Supervisor Review & Approval: Tom Bey

Dates are included for re-extractions and reanalysis.

NARRATIVE DISCUSSION
VOLATILES - 22633F

Bldg 2044

INTRODUCTION

This narrative covers the analysis of six (6) samples in accordance with the NEI Sop# 703 based on EPA 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

All recoveries in the QC check samples met the requirements as stipulated by the method.

METHOD BLANKS

The method blank associated with these samples met all method requirements.

SURROGATES

All surrogate recoveries met QC criteria.

MATRIX SPIKES

Sample 296-6 was utilized for the MS/MSD. Spike recoveries fell within QC limits, with the exception of 296-6MSD which yielded a high Benzene recovery of 155.95 percent.

INTERNAL STANDARDS

Internal Standard area responses/retention time summaries are not required.

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.

NARRATIVE DISCUSSION
PESTICIDES - 22633

Surrogates

The recovery of TCX was slightly below the advisory QC limits for PBLK1 (41%). The recovery of DCB was slightly below the advisory QC limits for sample 2044-FB and PBLK1 (39% and 42% respectively). All other recoveries met QC criteria.

Matrix Spike / Matrix Spike Duplicate (MS/MSD)

Batched QC is being supplied. Note that non site specific QC may demonstrate differing matrix affects than samples contained in this login. The applicable Form III is, therefore, being supplied.

Method Blanks

No target compounds were detected in PBLK1.

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

NARRATIVE DISCUSSION
HERBICIDES - 22633 F

Surrogates

All recoveries met QC criteria.

Matrix Spike / Matrix Spike Duplicate (MS/MSD)

Sample 2044-3 was utilized for MS/MSD analysis. All spike recoveries and RPD values met QC criteria.

Method Blanks

No target compounds were detected in HBLK4.

Calibrations

The initial and continuing calibrations passed QC criteria.

Samples

All samples were analyzed as per SW-846 Method 8150. Sample 2044-DUP was extracted with an initial volume of 820 ml. A dilution factor of 1.22 has been applied to account for this. No further analytical problems were encountered.

c:\wp51\cns\ac

NARRATIVE DISCUSSION
INORGANICS - 22663
3

All samples were analyzed as per the required protocol.

The matrix spike recovery was above control limits for sample 2044-3MS, thus resulting in the qualification of the sample results with "N". A second spike was performed on sample 296-6 and the recovery was within control limits.

The duplicate of sample 2044-3 showed no RPD, resulting in no additional sample qualification. A second duplicate was performed on sample 296-6. This second duplicate demonstrated a RPD of 8.2.

2/21/95

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

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

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

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

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

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.

GC/MS Data

Volatile Data

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

2044-1

Lab Name: NYTEST ENV INC Contract: 9421415

Lab Code: NYTEST Case No.: 22633 SAS No.: SDG No.: ARMY3

Matrix: (soil/water) WATER Lab Sample ID: 2263322

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: M1175.D

Level: (low/med) LOW Date Received: 11/30/94

% Moisture: not dec. _____ Date Analyzed: 12/02/94

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	12	
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	14	
108-90-7	Chlorobenzene	2	U
100-41-4	Ethylbenzene	2	U
1330-20-7	Xylene (total)	4	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	3	
541-73-1	1,3-Dichlorobenzene	2	U
106-46-7	1,4-Dichlorobenzene	2	U
95-50-1	1,2-Dichlorobenzene	2	U

000023

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

2044-1

Lab Name: NYTEST ENV INC Contract: 9421415

Lab Code: NYTEST Case No.: 22633 SAS No.: SDG No.: ARMY3

Matrix: (soil/water) WATER Lab Sample ID: 2263322

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: M1175.D

Level: (low/med) LOW Date Received: 11/30/94

% Moisture: not dec. _____ Date Analyzed: 12/02/94

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.: 22633 SAS No.: SDG No.: ARMY3

Matrix: (soil/water) WATER Lab Sample ID: 2263322

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: M1175.D

Level: (low/med) LOW Date Received: 11/30/94

% Moisture: not dec. _____ Date Analyzed: 12/02/94

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 HYDROCARBON	4.389	4	J
2.		UNKNOWN HYDROCARBON	25.675	4	J
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					
11.					
12.					
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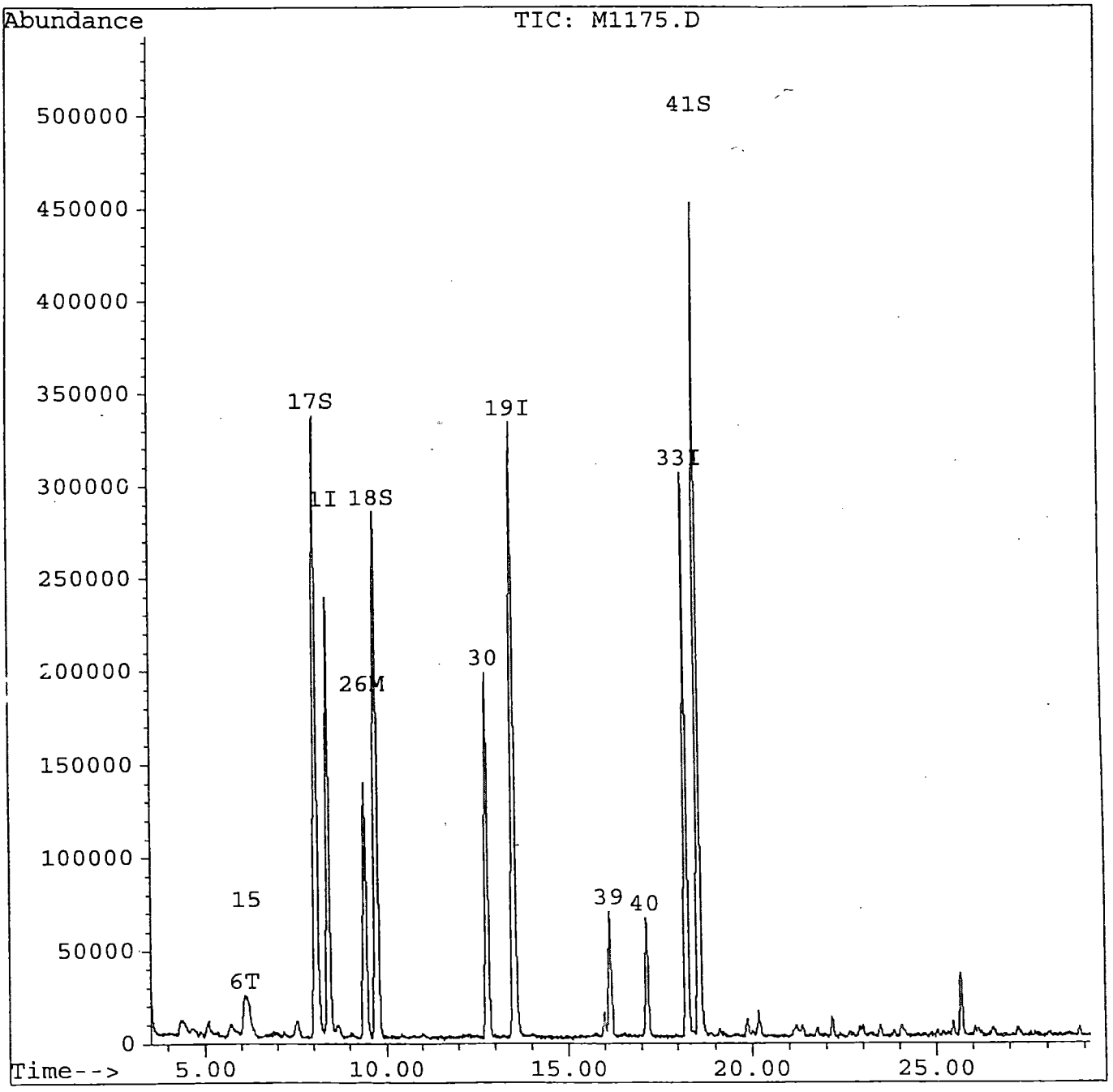
29.					
30.					

Quantitation Report

Data File : C:\HPCHEM\1\DATA\120194\M1175.D
Acq Time : 2 Dec 94 2:06 am
Sample : 2263322,2044-1,
Misc : 1,1,,,5,5,L,W,R11-30-94,
Quant Time: Dec 14 15:07 1994

Operator: VC
Inst : HPM
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\P624.M
Title : VOA Standards for 5 point calibration
Last Update : Thu Dec 08 12:56:54 1994
Response via : Multiple Level Calibration



000026

Quantitation Report

Data File : C:\HPCHEM\1\DATA\120194\M1175.D
Acq Time : 2 Dec 94 2:06 am
Sample : 2263322,2044-1,
Misc : 1,1,,,5,5,L,W,R11-30-94,
Quant Time: Dec 14 15:07 1994

Operator: VC
Inst : HPM
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\P624.M
Title : VOA Standards for 5 point calibration
Last Update : Thu Dec 08 12:56:54 1994
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) CI01 Bromochloromethane	8.40	128	145214	30.00	ug/l		-0.03
19) 2-Bromo-1-Chloropropane	13.54	77	504682	30.00	ug/l		-0.03
33) 1,4-Dichlorobutane	18.26	55	543953	30.00	ug/l		-0.03
System Monitoring Compounds							%Recovery
17) Pentafluorobenzene	8.06	168	879175	27.25	ug/l		90.82%
18) Fluorobenzene	9.72	96	723658	25.80	ug/l		86.01%
41) CS10 4-Bomofluorobenzene	18.59	95	428607	27.67	ug/l		92.24%
Target Compounds							Qvalue
6) C030 Methylene Chloride ℓ	6.08	84	14130	1.06	ug/l	#	85
15) C176 Methyl Tertiary Butyl	6.17	73	57001	3.39	ug/l		84
26) C165 Benzene	9.41	78	330718	12.37	ug/l		100
30) C230 Toluene	12.79	91	405575	13.56	ug/l	#	74
39) C250 M-P,Xylene	16.15	106	56882	3.92	ug/l		97
40) C255 O-Xylene	17.14	106	51762	3.99	ug/l		95

ℓ COMPOUND BELOW CRQL

WE 1/10/95

000027

(#) = 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.: 22633 SAS No.: SDG No.: ARMY3

Matrix: (soil/water) WATER Lab Sample ID: 2263323

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: M1176.D

Level: (low/med) LOW Date Received: 11/30/94

% Moisture: not dec. _____ Date Analyzed: 12/02/94

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

000028

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

2044-2

Lab Name: NYTEST ENV INC Contract: 9421415

Lab Code: NYTEST Case No.: 22633 SAS No.: SDG No.: ARMY3

Matrix: (soil/water) WATER Lab Sample ID: 2263323

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: M1176.D

Level: (low/med) LOW Date Received: 11/30/94

% Moisture: not dec. _____ Date Analyzed: 12/02/94

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.: 22633 SAS No.: SDG No.: ARMY3

Matrix: (soil/water) WATER Lab Sample ID: 2263323

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: M1176.D

Level: (low/med) LOW Date Received: 11/30/94

% Moisture: not dec. _____ Date Analyzed: 12/02/94

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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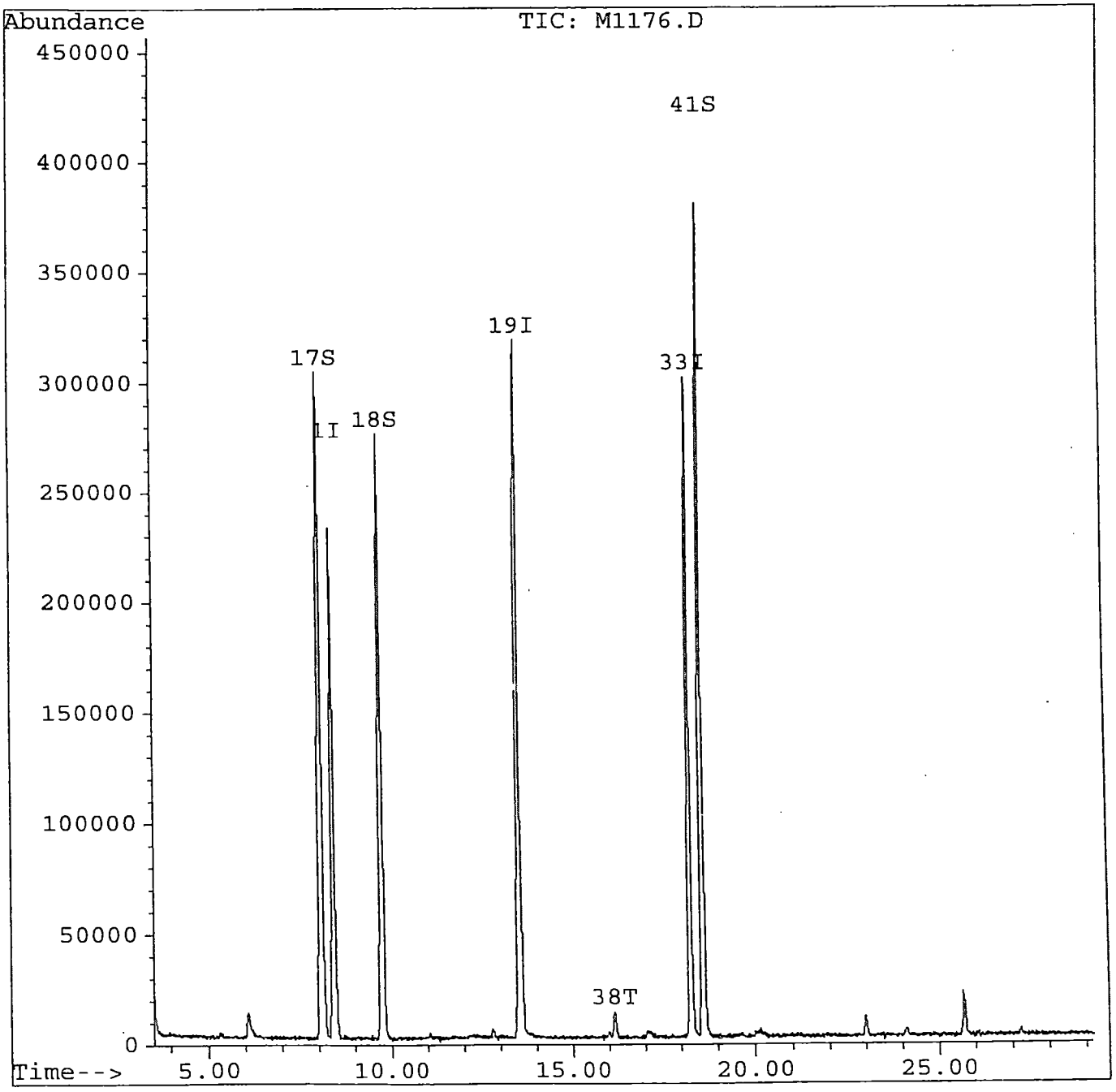
27.					
28.					
29.					
30.					

Quantitation Report

Data File : C:\HPCHEM\1\DATA\120194\M1176.D
Acq Time : 2 Dec 94 2:40 am
Sample : 2263323,2044-2,
Misc : 1,1,,,5,5,L,W,R11-30-94,
Quant Time: Dec 14 15:11 1994

Operator: VC
Inst : HPM
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\P624.M
Title : VOA Standards for 5 point calibration
Last Update : Tue Nov 29 12:18:35 1994
Response via : Multiple Level Calibration



000031

Quantitation Report

Data File : C:\HPCHEM\1\DATA\120194\M1176.D
Acq Time : 2 Dec 94 2:40 am
Sample : 2263323,2044-2,
Misc : 1,1,,,5,5,L,W,R11-30-94,
Quant Time: Dec 14 15:11 1994

Operator: VC
Inst : HPM
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\P624.M
Title : VOA Standards for 5 point calibration
Last Update : Tue Nov 29 12:18:35 1994
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) CI01 Bromochloromethane	8.39	128	138801	30.00	ug/l	-0.03
19) 2-Bromo-1-Chloropropane	13.54	77	484453	30.00	ug/l	-0.02
33) 1,4-Dichlorobutane	18.25	55	523793	30.00	ug/l	-0.03
System Monitoring Compounds						**%Recovery**
17) Pentafluorobenzene	8.05	168	795162	25.78	ug/l	85.94%
18) Fluorobenzene	9.73	96	689028	25.70	ug/l	85.68%
41) CS10 4-Bomofluorobenzene	18.60	95	362520	24.31	ug/l	81.02%
Target Compounds						**Qvalue**

000032

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

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

2044-3

Lab Name: NYTEST ENV INC Contract: 9421415

Lab Code: NYTEST Case No.: 22633 SAS No.: SDG No.: ARMY3

Matrix: (soil/water) WATER Lab Sample ID: 2263324

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: M1177.D

Level: (low/med) LOW Date Received: 11/30/94

% Moisture: not dec. _____ Date Analyzed: 12/02/94

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	7	
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

000033

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

2044-3

Lab Name: NYTEST ENV INC Contract: 9421415

Lab Code: NYTEST Case No.: 22633 SAS No.: SDG No.: ARMY3

Matrix: (soil/water) WATER Lab Sample ID: 2263324

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: M1177.D

Level: (low/med) LOW Date Received: 11/30/94

% Moisture: not dec. _____ Date Analyzed: 12/02/94

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.: 22633 SAS No.: SDG No.: ARMY3

Matrix: (soil/water) WATER Lab Sample ID: 2263324

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: M1177.D

Level: (low/med) LOW Date Received: 11/30/94

% Moisture: not dec. _____ Date Analyzed: 12/02/94

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.					
8.					
9.					
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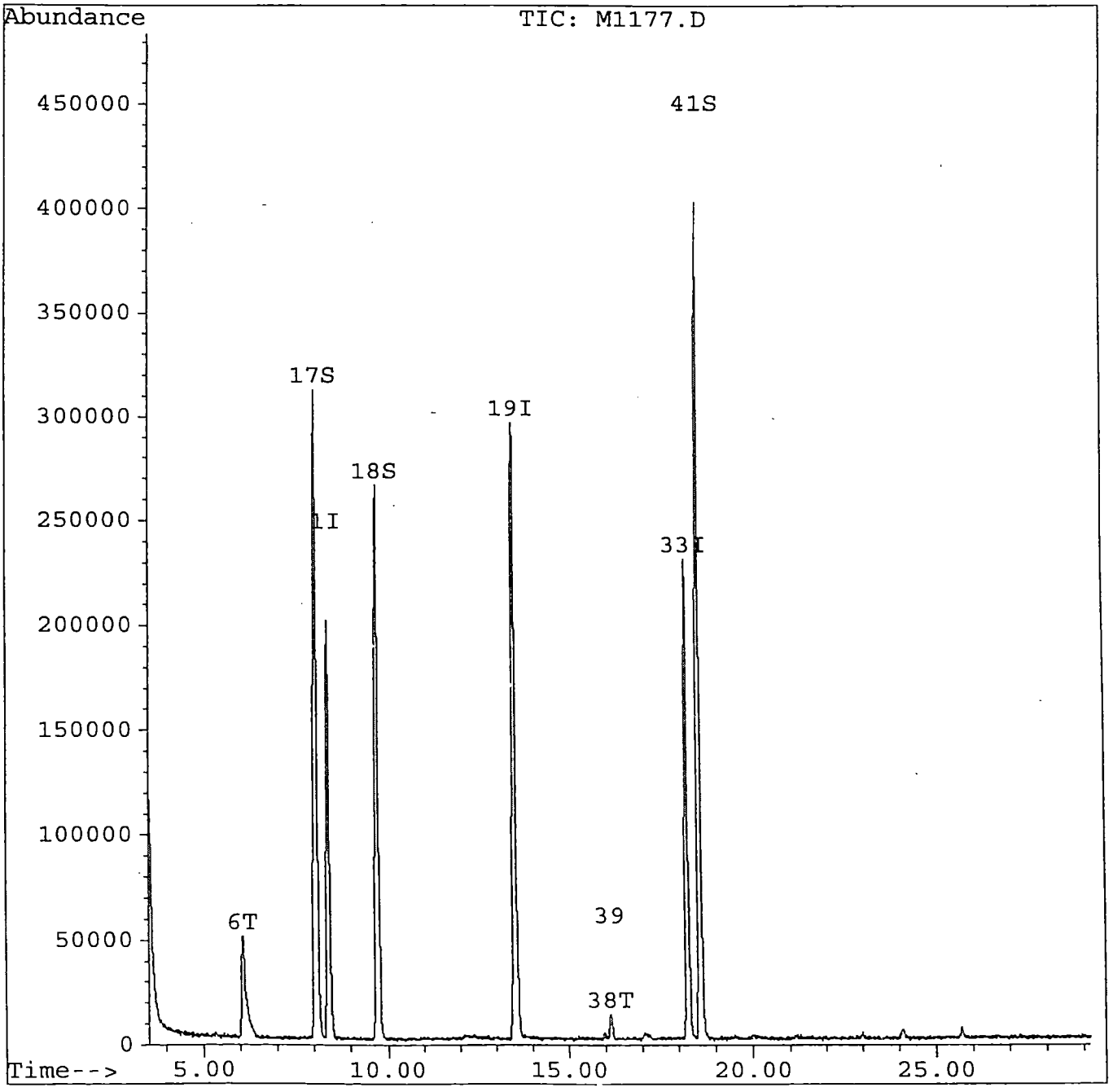
27.					
28.					
29.					
30.					

Quantitation Report

Data File : C:\HPCHEM\1\DATA\120194\M1177.D
Acq Time : 2 Dec 94 8:56 am
Sample : 2263324,2044-3,
Misc : 1,1,,,5,5,L,W,R11-30-94,
Quant Time: Dec 14 15:11 1994

Operator: VC
Inst : HPM
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\P624.M
Title : VOA Standards for 5 point calibration
Last Update : Tue Nov 29 12:18:35 1994
Response via : Multiple Level Calibration



000036

Quantitation Report

Data File : C:\HPCHEM\1\DATA\120194\M1177.D
Acq Time : 2 Dec 94 8:56 am
Sample : 2263324,2044-3,
Misc : 1,1,,,5,5,L,W,R11-30-94,
Quant Time: Dec 14 15:11 1994

Operator: VC
Inst : HPM
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\P624.M
Title : VOA Standards for 5 point calibration
Last Update : Tue Nov 29 12:18:35 1994
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) CI01 Bromochloromethane	8.38	128	125909	30.00	ug/l	-0.05
19) 2-Bromo-1-Chloropropane	13.52	77	447236	30.00	ug/l	-0.04
33) 1,4-Dichlorobutane	18.25	55	406118	30.00	ug/l	-0.03
System Monitoring Compounds						**%Recovery**
17) Pentafluorobenzene	8.04	168	817246	29.21	ug/l	97.37%
18) Fluorobenzene	9.71	96	680588	27.99	ug/l	93.30%
41) CS10 4-Bomofluorobenzene	18.59	95	378038	32.69	ug/l	108.97%
Target Compounds						**Qvalue**
6) C030 Methylene Chloride	6.06	84	76511	6.62	ug/l	94
39) C250 M-P,Xylene ∠	16.15	106	11509	1.06	ug/l	89

∠ COMPOUND BELOW MDL

WE 1/10/95

000037

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

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

2044-FB

Lab Name: NYTEST ENV INC Contract: 9421415

Lab Code: NYTEST Case No.: 22633 SAS No.: SDG No.: ARMY3

Matrix: (soil/water) WATER Lab Sample ID: 2263325

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: M1155.D

Level: (low/med) LOW Date Received: 11/30/94

% Moisture: not dec. _____ Date Analyzed: 12/01/94

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

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

2044-FB

Lab Name: NYTEST ENV INC Contract: 9421415

Lab Code: NYTEST Case No.: 22633 SAS No.: SDG No.: ARMY3

Matrix: (soil/water) WATER Lab Sample ID: 2263325

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: M1155.D

Level: (low/med) LOW Date Received: 11/30/94

% Moisture: not dec. _____ Date Analyzed: 12/01/94

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

000039

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.: 22633 SAS No.: SDG No.: ARMY3

Matrix: (soil/water) WATER Lab Sample ID: 2263325

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: M1155.D

Level: (low/med) LOW Date Received: 11/30/94

% Moisture: not dec. _____ Date Analyzed: 12/01/94

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 HYDROCARBON	25.661	4	J
2.					
3.					
4.					
5.					
6.					
7.					
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27.					
28.					
29.					
30.					

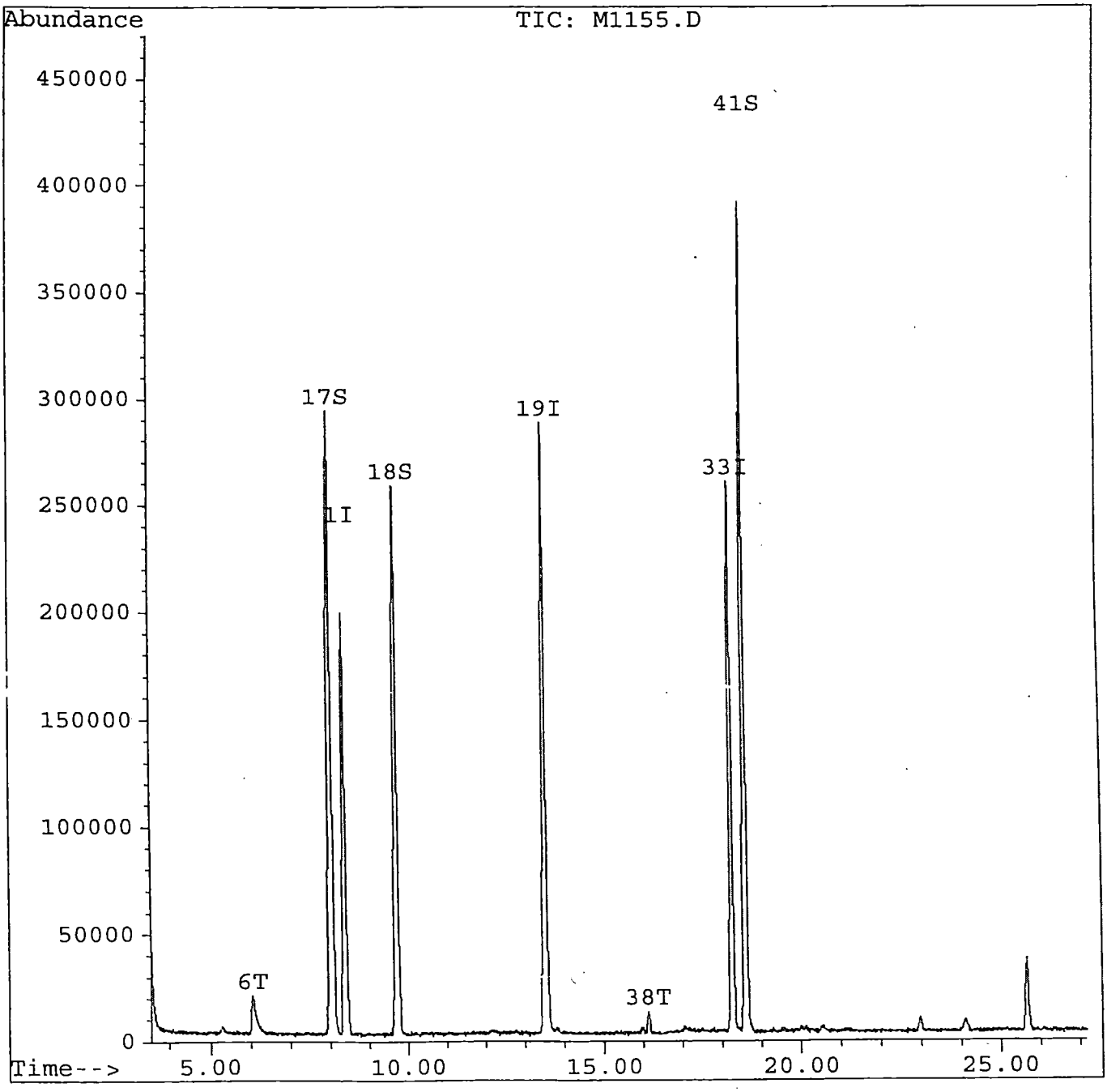
000040

Quantitation Report

Data File : C:\HPCHEM\1\DATA\120194\M1155.D
Acq Time : 1 Dec 94 14:30 pm
Sample : 2263325,2044-FB,
Misc : 1,1,,,5,5,L,W,R11-30-94,
Quant Time: Dec 14 14:41 1994

Operator: VC
Inst : HPM
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\P624.M
Title : VOA Standards for 5 point calibration
Last Update : Tue Nov 29 12:18:35 1994
Response via : Multiple Level Calibration



000041

Quantitation Report

Data File : C:\HPCHEM\1\DATA\120194\M1155.D
Acq Time : 1 Dec 94 14:30 pm
Sample : 2263325,2044-FB,
Misc : 1,1,,,5,5,L,W,R11-30-94,
Quant Time: Dec 14 14:41 1994

Operator: VC
Inst : HPM
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\P624.M
Title : VOA Standards for 5 point calibration
Last Update : Tue Nov 29 12:18:35 1994
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) CI01 Bromochloromethane	8.37	128	120918	30.00	ug/l	-0.05
19) 2-Bromo-1-Chloropropane	13.51	77	437651	30.00	ug/l	-0.05
33) 1,4-Dichlorobutane	18.23	55	463862	30.00	ug/l	-0.05
System Monitoring Compounds						**%Recovery**
17) Pentafluorobenzene	8.03	168	756514	28.16	ug/l	93.85%
18) Fluorobenzene	9.70	96	658305	28.19	ug/l	93.97%
41) CS10 4-Bomofluorobenzene	18.58	95	371209	28.11	ug/l	93.68%
Target Compounds						**Qvalue**
6) C030 Methylene Chloride ℓ	6.06	84	27081	2.44	ug/l	97

ℓ COMPOUND BELOW MDL

ME 1/10/95

000042

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

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

2044-DUP

Lab Name: NYTEST ENV INC Contract: 9421415

Lab Code: NYTEST Case No.: 22633 SAS No.: SDG No.: ARMY3

Matrix: (soil/water) WATER Lab Sample ID: 2263326

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: M1178.D

Level: (low/med) LOW Date Received: 11/30/94

% Moisture: not dec. _____ Date Analyzed: 12/02/94

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

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

2044-DUP

Lab Name: NYTEST ENV INC Contract: 9421415

Lab Code: NYTEST Case No.: 22633 SAS No.: SDG No.: ARMY3

Matrix: (soil/water) WATER Lab Sample ID: 2263326

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: M1178.D

Level: (low/med) LOW Date Received: 11/30/94

% Moisture: not dec. _____ Date Analyzed: 12/02/94

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.: 22633 SAS No.: SDG No.: ARMY3

Matrix: (soil/water) WATER Lab Sample ID: 2263326

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: M1178.D

Level: (low/med) LOW Date Received: 11/30/94

% Moisture: not dec. _____ Date Analyzed: 12/02/94

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.					
8.					
9.					
10.					
11.					
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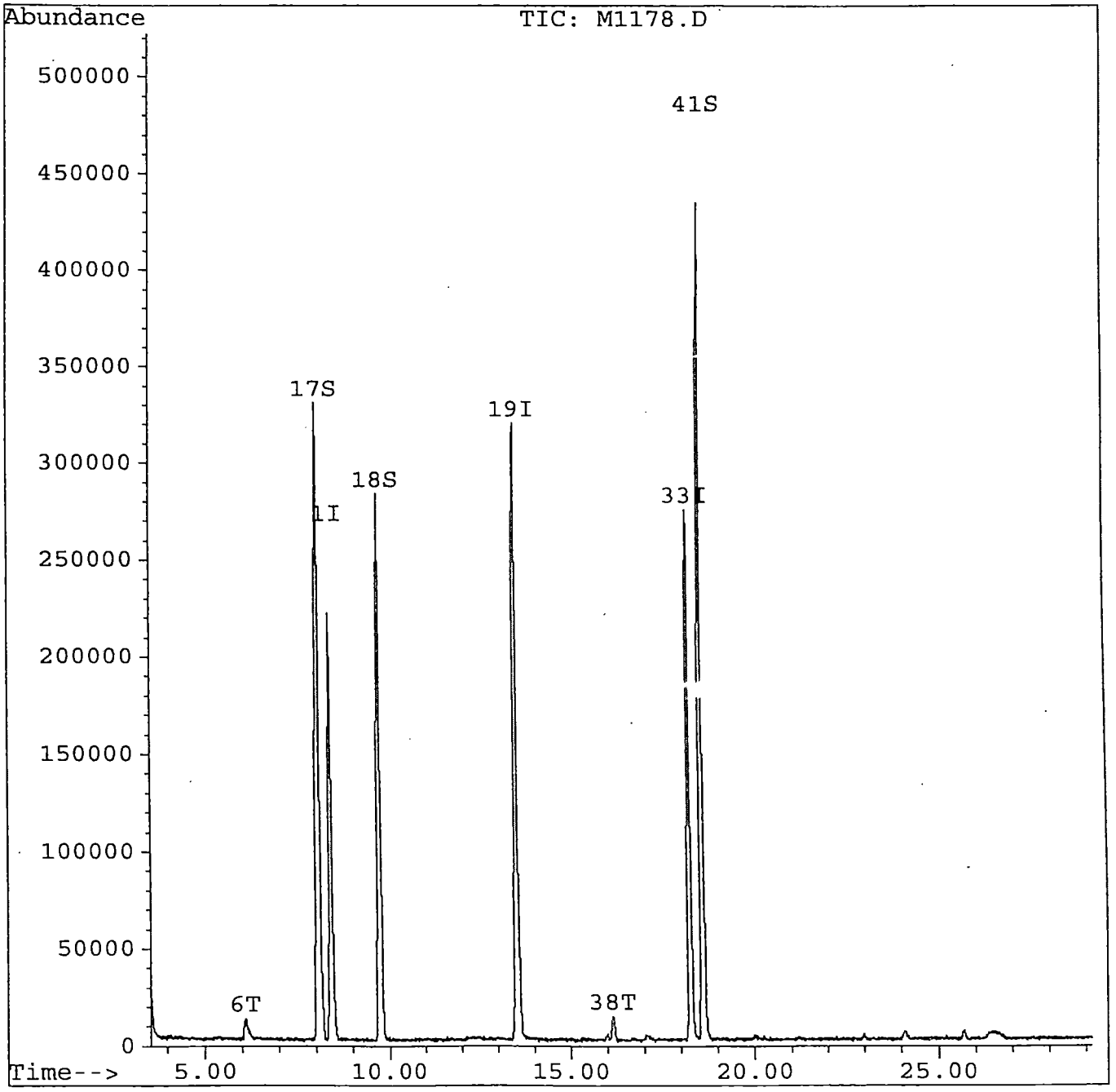
26.					
27.					
28.					
29.					
30.					

Quantitation Report

Data File : C:\HPCHEM\1\DATA\120194\M1178.D
Acq Time : 2 Dec 94 9:30 am
Sample : 2263326,2044-DUP,
Misc : 1,1,,,5,5,L,W,R11-30-94,
Quant Time: Dec 14 15:11 1994

Operator: VC
Inst : HPM
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\P624.M
Title : VOA Standards for 5 point calibration
Last Update : Tue Nov 29 12:18:35 1994
Response via : Multiple Level Calibration



000046

Quantitation Report

Data File : C:\HPCHEM\1\DATA\120194\M1178.D
Acq Time : 2 Dec 94 9:30 am
Sample : 2263326,2044-DUP,
Misc : 1,1,,,5,5,L,W,R11-30-94,
Quant Time: Dec 14 15:11 1994

Operator: VC
Inst : HPM
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\P624.M
Title : VOA Standards for 5 point calibration
Last Update : Tue Nov 29 12:18:35 1994
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) CI01 Bromochloromethane	8.40	128	134849	30.00	ug/l	-0.02
19) 2-Bromo-1-Chloropropane	13.53	77	479974	30.00	ug/l	-0.03
33) 1,4-Dichlorobutane	18.25	55	476227	30.00	ug/l	-0.03
System Monitoring Compounds						%Recovery
17) Pentafluorobenzene	8.06	168	852366	28.45	ug/l	94.82%
18) Fluorobenzene	9.73	96	715831	27.49	ug/l	91.62%
41) CS10 4-Bomofluorobenzene	18.59	95	410933	30.31	ug/l	101.0[illegible]%
Target Compounds						Qvalue
6) C030 Methylene Chloride 2	6.08	84	13457	1.09	ug/l #	82

2 COMPOUND BELOW MDL

WC 1/10/95

000047

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

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

2044-TB

Lab Name: NYTEST ENV INC Contract: 9421415

Lab Code: NYTEST Case No.: 22633 SAS No.: SDG No.: ARMY3

Matrix: (soil/water) WATER Lab Sample ID: 2263327

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: M1151.D

Level: (low/med) LOW Date Received: 11/30/94

% Moisture: not dec. _____ Date Analyzed: 12/01/94

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

000048

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

2044-TB

Lab Name: NYTEST ENV INC Contract: 9421415

Lab Code: NYTEST Case No.: 22633 SAS No.: SDG No.: ARMY3

Matrix: (soil/water) WATER Lab Sample ID: 2263327

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: M1151.D

Level: (low/med) LOW Date Received: 11/30/94

% Moisture: not dec. _____ Date Analyzed: 12/01/94

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.: 22633 SAS No.: SDG No.: ARMY3

Matrix: (soil/water) WATER Lab Sample ID: 2263327

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: M1151.D

Level: (low/med) LOW Date Received: 11/30/94

% Moisture: not dec. _____ Date Analyzed: 12/01/94

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.					
8.					
9.					
10.					
11.					
12.					
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27.					
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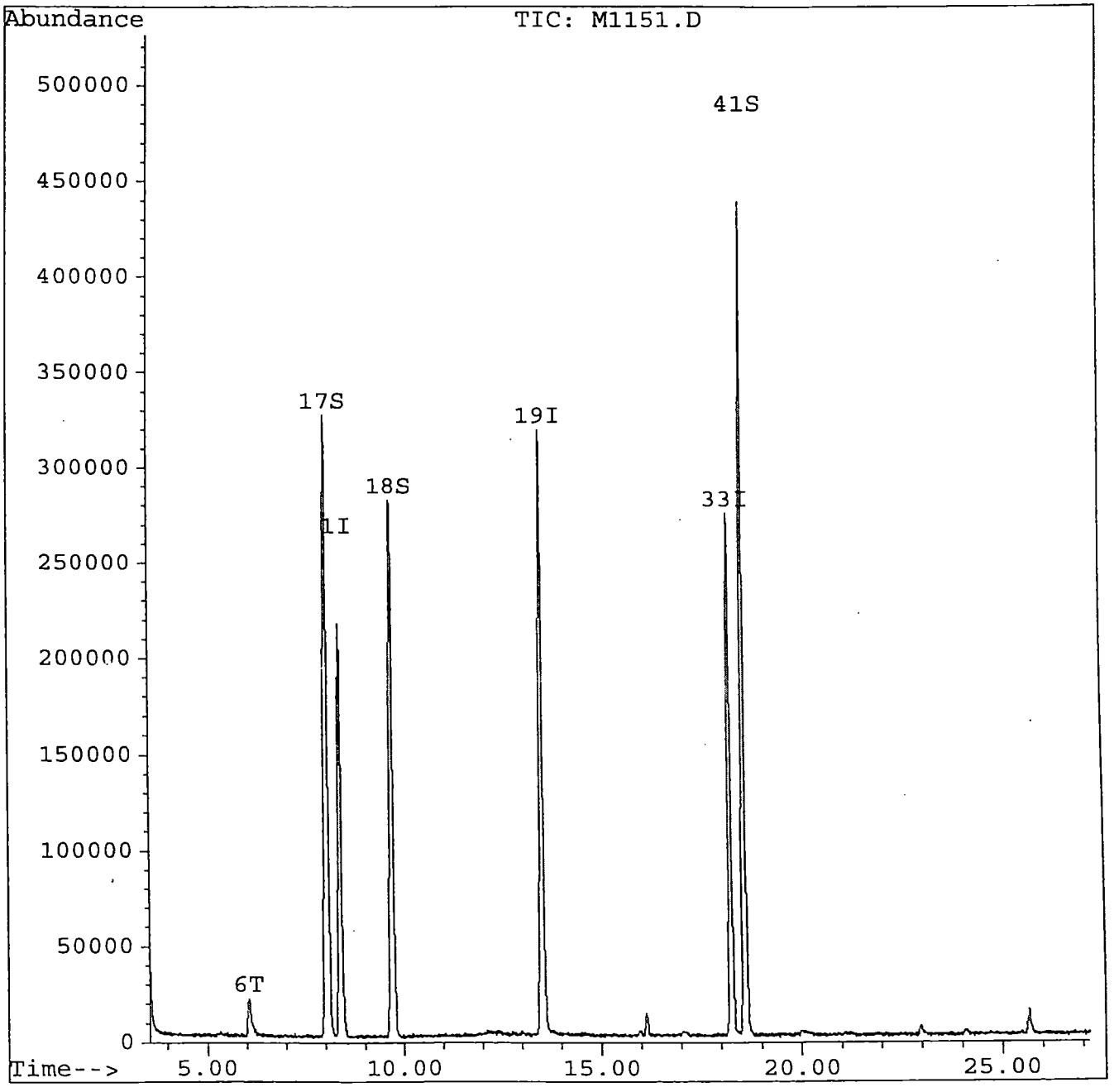
30.					

Quantitation Report

Data File : C:\HPCHEM\1\DATA\120194\M1151.D
Acq Time : 1 Dec 94 12:10 pm
Sample : 2263327,2044-TB,
Misc : 1,1,,,5,5,L,W,R11-30-94,
Quant Time: Dec 1 12:37 1994

Operator: VC
Inst : HPM
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\P624.M
Title : VOA Standards for 5 point calibration
Last Update : Tue Nov 29 12:18:35 1994
Response via : Multiple Level Calibration



000051

Quantitation Report

Data File : C:\HPCHEM\1\DATA\120194\M1151.D
Acq Time : 1 Dec 94 12:10 pm Operator: VC
Sample : 2263327,2044-TB, Inst : HPM
Misc : 1,1,,,5,5,L,W,R11-30-94, Multiplr: 1.00
Quant Time: Dec 1 12:37 1994

Method : C:\HPCHEM\1\METHODS\P624.M
Title : VOA Standards for 5 point calibration
Last Update : Tue Nov 29 12:18:35 1994
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) CI01 Bromochloromethane	8.38	128	135459	30.00	ug/l	-0.04
19) 2-Bromo-1-Chloropropane	13.50	77	485729	30.00	ug/l	-0.06
33) 1,4-Dichlorobutane	18.23	55	489918	30.00	ug/l	-0.05
System Monitoring Compounds						%Recovery
17) Pentafluorobenzene	8.03	168	850223	28.25	ug/l	94.16%
18) Fluorobenzene	9.71	96	721338	27.57	ug/l	91.91%
41) CS10 4-Bomofluorobenzene	18.58	95	412695	29.58	ug/l	98.61%
Target Compounds						Qvalue
6) C030 Methylene Chloride 2	6.07	84	24548	1.97	ug/l	99

2 COMPOUND BELOW MDL

ME 1/10/95

000052

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

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLK39

Lab Name: NYTEST ENV INC Contract: 9421415

Lab Code: NYTEST Case No.: 22633 SAS No.: SDG No.: ARMY3

Matrix: (soil/water) WATER Lab Sample ID: VBLK39

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: M1150.D

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

% Moisture: not dec. _____ Date Analyzed: 12/01/94

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

000053

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLK39

Lab Name: NYTEST ENV INC Contract: 9421415

Lab Code: NYTEST Case No.: 22633 SAS No.: SDG No.: ARMY3

Matrix: (soil/water) WATER Lab Sample ID: VBLK39

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: M1150.D

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

% Moisture: not dec. _____ Date Analyzed: 12/01/94

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

000054

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

VBLK39

Lab Name: NYTEST ENV INC Contract: 9421415

Lab Code: NYTEST Case No.: 22633 SAS No.: SDG No.: ARMY3

Matrix: (soil/water) WATER Lab Sample ID: VBLK39

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: M1150.D

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

% Moisture: not dec. _____ Date Analyzed: 12/01/94

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

Number TICs found: 0

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

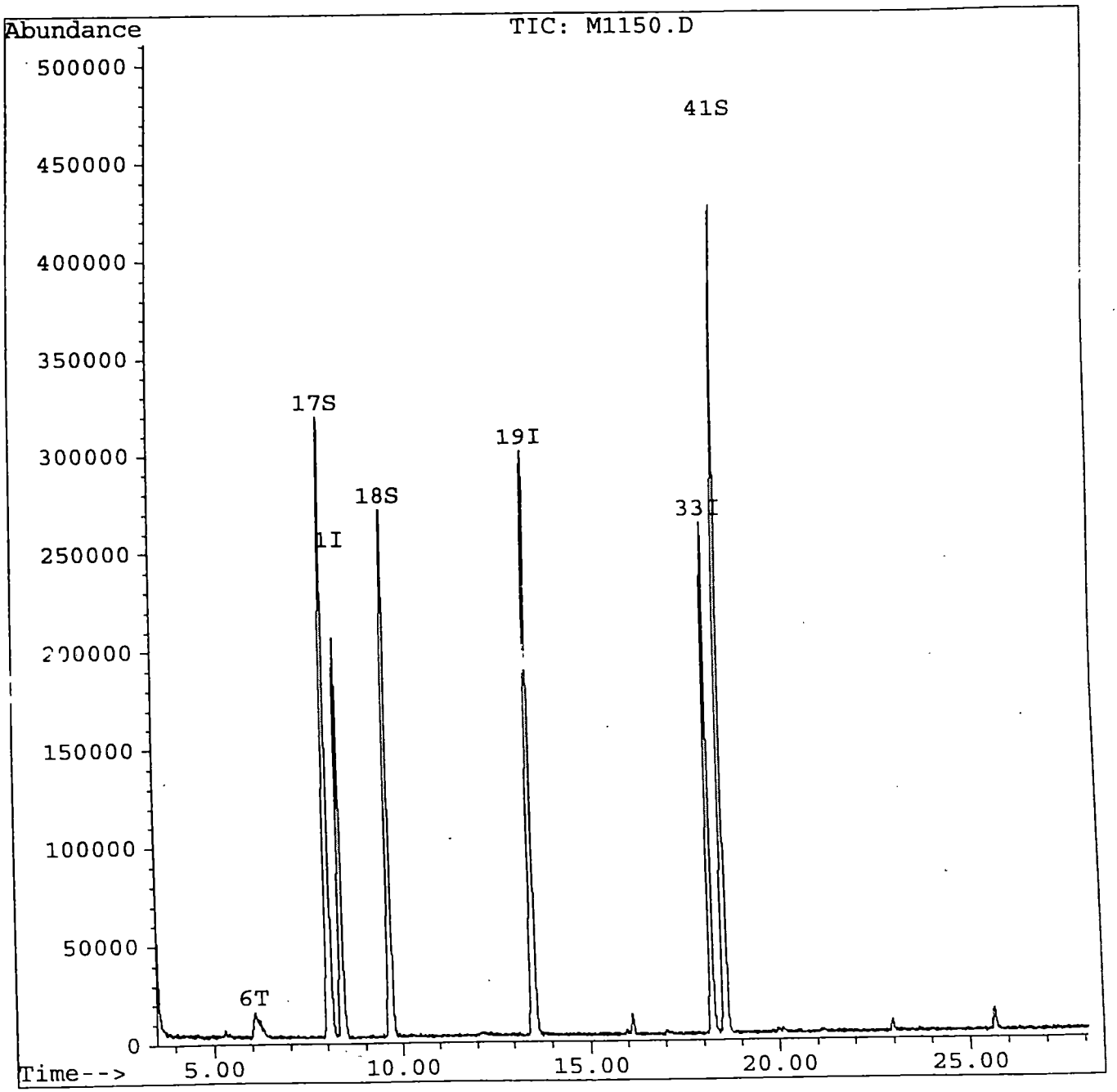
	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.					
2.					
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					
11.					
12.					
13.					
14.					
15.					
16.					
17.					
18.					
19.					
20.					
21.					
22.					
23.					
24.					
25.					
26.					
27.					
28.					
29.					
30.					

Quantitation Report

Data File : C:\HPCHEM\1\DATA\120194\M1150.D
Acq Time : 1 Dec 94 11:30 am
Sample : VBLK39,VBLK39,
Misc : 1,,,,,5,5,L,W,
Quant Time: Dec 1 12:00 1994

Operator: VC
Inst : HPM
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\P624.M
Title : VOA Standards for 5 point calibration
Last Update : Tue Nov 29 12:18:35 1994
Response via : Multiple Level Calibration



000056

Quantitation Report

Data File : C:\HPCHEM\1\DATA\120194\M1150.D
Acq Time : 1 Dec 94 11:30 am
Sample : VBLK39,VBLK39,
Misc : 1,,,,,5,5,L,W,
Quant Time: Dec 1 12:00 1994

Operator: VC
Inst : HPM
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\P624.M
Title : VOA Standards for 5 point calibration
Last Update : Tue Nov 29 12:18:35 1994
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) CI01 Bromochloromethane	8.38	128	126949	30.00	ug/l	-0.05
19) 2-Bromo-1-Chloropropane	13.50	77	462593	30.00	ug/l	-0.06
33) 1,4-Dichlorobutane	18.23	55	462734	30.00	ug/l	-0.05
System Monitoring Compounds						%Recovery
17) Pentafluorobenzene	8.03	168	836157	29.64	ug/l	98.81%
18) Fluorobenzene	9.70	96	694203	28.32	ug/l	94.39%
41) CS10 4-Bomofluorobenzene	18.57	95	404891	30.73	ug/l	102.43%
Target Compounds						Qvalue
6) C030 Methylene Chloride L	6.07	84	28277	2.42	ug/l	95

L COMPOUND BELOW MDL

WE 1/10/95

000057

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

WATER VOLATILE SURROGATE COMPOUND RECOVERY

Lab Name: NYTEST ENV INC Contract: 9421415

Lab Code: NYTEST Case No.: 22633 SAS No.: SDG No.: ARMY3

	EPA SAMPLE NO.	SUR1 (FB) #	SUR2 (BFB)#	SUR3 (PFB)#	OTHER	TOT OUT
01	QCCHECK	88	93	89		0
02	VBLK39	94	102	99		0
03	2044-TB	92	99	94		0
04	296-TB	89	90	90		0
05	296-FB	91	91	92		0
06	2044-FB	94	94	94		0
07	296-6	92	93	92		0
08	296-6MS	91	89	92		0
09	296-1	91	93	91		0
10	296-3	90	93	92		0
11	296-2	89	88	91		0
12	296-7	89	91	90		0
13	296-8	92	93	94		0
14	296-DUP	90	94	92		0
15	290-1	89	92	92		0
16	108-1	88	91	90		0
17	108-2	91	94	93		0
18	108-3	89	92	92		0
19	750-1	89	91	91		0
20	750-3	88	91	89		0
21	750-4	90	92	92		0
22	2562-2	91	96	94		0
23	2562-3	90	94	92		0
24	2044-1	86	92	91		0
25	2044-2	86	81	86		0
26	2044-3	93	109	97		0
27	2044-DUP	92	101	95		0
28	2562-1	93	96	95		0
29	QCCHECK1	88	89	90		0
30	VBLK41	95	93	97		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

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RECOVERY REPORT

Client Name:
Sample Matrix: LIQUID
Lab Smp Id: 2263310
Level: LOW
Data Type: MS DATA
SpikeList File: QCMS.spk
Method File: /chem/HPM.i/22633.b/624.m
Misc Info:

Client SDG: ARMY3
Fraction: VOA
Client Smp ID: 296-6MS
Operator: VC
SampleType: MS
Quant Type: ISTD

	SPIKE COMPOUND	CONC ADDED ug/l	CONC RECOVERED ug/l	% RECOVERED	LIMITS
1	Chloromethane	20	20	98.48	0-2[illegible]
4	Bromomethane	20	20	98.48	0-242
5	Vinyl Chloride	20	16	81.56	0-251
6	Chloroethane	20	19	93.87	14-230
7	Methylene Chloride	20	13	66.06	0-221
10	1,1-Dichloroethene	20	19	95.79	0-234
12	1,1-Dichloroethane	20	19	97.02	59-155
14	Trans, 1,2-Dichlor	20	19	97.24	54-156
15	Chloroform	20	20	98.97	51-138
16	1,2-Dichloroethane	20	19	95.69	49-155
19	Trichloromonofluor	20	20	101.35	17-181
24	1,1,1-Trichloroeth	20	19	93.48	52-162
25	Carbon Tetrachlori	20	18	91.23	70-140
27	Bromodichlorometha	20	18	91.55	35-155
28	1,2-Dichloropropan	20	18	90.83	0-210
29	cis-1,3-Dichloropr	20	18	92.90	0-227
30	Trichloroethene	20	18	88.48	71-157
31	Dibromochlorometha	20	18	89.02	53-149
32	1,1,2-Trichloroeth	20	18	90.41	52-150
34	Benzene	20	28	142.29	37-151
35	trans-1,3-Dichloro	20	18	92.74	17-183
37	Bromoform	20	18	91.99	45-169
38	2-Chloroethylvinyl	20	18	90.80	0-305
41	Tetrachloroethene	20	18	92.25	64-148
43	1,1,2,2-Tetrachlor	20	18	92.11	46-157
45	Toluene	20	19	95.44	47-150
46	Chlorobenzene	20	18	90.11	37-160
47	Ethylbenzene	20	26	130.08	37-162
53	1,3-Dichlorobenzen	20	20	99.34	59-156
54	1,4-Dichlorobenzen	20	21	104.51	18-190
55	1,2-Dichlorobenzen	20	21	103.70	18-190

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RECOVERY REPORT

Client Name:
Sample Matrix: LIQUID
Lab Smp Id: 2263310
Level: LOW
Data Type: MS DATA
SpikeList File: QCMS.spk
Method File: /chem/HPM.i/22633.b/624.m
Misc Info:

Client SDG: ARMY3
Fraction: VOA
Client Smp ID: 296-6MS
Operator: VC
SampleType: MS
Quant Type: ISTD

SURROGATE COMPOUND	CONC ADDED ug/l	CONC RECOVERED ug/l	% RECOVERED	LIMITS
$ 33 Pentafluorobenzene	30	28	91.98	70-140
$ 44 Fluorobenzene	30	27	91.41	70-140
$ 48 Bromofluorobenzene	30	26	88.64	60-150

Data File: /chem/HPM.i/22633.b/M1184.d
Report Date: 05-Jan-1995 13:39

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RECOVERY REPORT

Client Name:
Sample Matrix: LIQUID
Lab Smp Id: 2263311
Level: LOW
Data Type: MS DATA
SpikeList File: QCMS.spk
Method File: /chem/HPM.i/22633.b/624.m
Misc Info:

Client SDG: ARMY3
Fraction: VOA
Client Smp ID: MW-6MSD
Operator: VC
SampleType: MSD
Quant Type: ISTD

SPIKE	COMPOUND	CONC ADDED ug/l	CONC RECOVERED ug/l	% RECOVERED	LIMITS
1	Chloromethane	20	19	93.12	0-273
4	Bromomethane	20	19	96.52	0-242
5	Vinyl Chloride	20	16	79.53	0-251
6	Chloroethane	20	18	92.06	14-230
7	Methylene Chloride	20	14	68.79	0-221
10	1,1-Dichloroethene	20	18	92.73	0-234
12	1,1-Dichloroethane	20	19	94.82	59-155
14	Trans, 1,2-Dichlor	20	19	95.04	54-156
15	Chloroform	20	20	97.64	51-138
16	1,2-Dichloroethane	20	19	95.81	49-155
19	Trichloromonofluor	20	20	98.42	17-181
24	1,1,1-Trichloroeth	20	19	93.63	52-162
25	Carbon Tetrachlori	20	19	94.16	70-140
27	Bromodichlorometha	20	18	91.02	35-155
28	1,2-Dichloropropan	20	18	91.61	0-210
29	cis-1,3-Dichloropr	20	19	95.36	0-227
30	Trichloroethene	20	18	91.17	71-157
31	Dibromochlorometha	20	18	90.28	53-149
32	1,1,2-Trichloroeth	20	18	91.42	52-150
34	Benzene	20	31	155.95*	37-151
35	trans-1,3-Dichloro	20	19	94.74	17-183
37	Bromoform	20	19	93.09	45-169
38	2-Chloroethylvinyl	20	18	91.58	0-305
41	Tetrachloroethene	20	19	93.97	64-148
43	1,1,2,2-Tetrachlor	20	18	92.95	46-157
45	Toluene	20	20	100.25	47-150
46	Chlorobenzene	20	19	93.19	37-160
47	Ethylbenzene	20	31	153.22	37-162
53	1,3-Dichlorobenzen	20	20	102.94	59-156
54	1,4-Dichlorobenzen	20	22	109.09	18-190
55	1,2-Dichlorobenzen	20	22	107.62	18-190

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RECOVERY REPORT

Client Name:
Sample Matrix: LIQUID
Lab Smp Id: 2263311
Level: LOW
Data Type: MS DATA
SpikeList File: QCMS.spk
Method File: /chem/HPM.i/22633.b/624.m
Misc Info:

Client SDG: ARMY3
Fraction: VOA 624
Client Smp ID: ~~MW~~-6MSD
Operator: VC
SampleType: MSD
Quant Type: ISTD

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SURROGATE COMPOUND	CONC ADDED ug/l	CONC RECOVERED ug/l	% RECOVERED	LIMITS
$ 33 Pentafluorobenzene	30	27	90.25	70-140
$ 44 Fluorobenzene	30	27	89.48	70-140
$ 48 Bromofluorobenzene	30	27	88.92	60-150

4A

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VBLK39

Lab Name: NYTEST ENV INC Contract: 9421415

Lab Code: NYTEST Case No.: 22633 SAS No.: SDG No.: ARMY3

Lab File ID: M1150.D Lab Sample ID: VBLK39

Date Analyzed: 12/01/94 Time Analyzed: 1130

Matrix: (soil/water) WATER Level: (low/med) LOW

Instrument ID: HPM

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

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	QCCHECK	QCCHECK	M1149.D	1040
02	2044-TB	2263327	M1151.D	1210
03	296-TB	2263308	M1153.D	1315
04	296-FB	2263307	M1154.D	1348
05	2044-FB	2263325	M1155.D	1430
06	296-6	2263304	M1156.D	1503
07	296-6MS	2263310	M1157.D	1536
08	296-1	2263301	M1159.D	1655
09	296-3	2263303	M1160.D	1730
10	296-2	2263302	M1161.D	1804
11	296-7	2263305	M1162.D	1839
12	296-8	2263306	M1163.D	1913
13	296-DUP	2263309	M1164.D	1948
14	290-1	2263312	M1165.D	2022
15	108-1	2263313	M1166.D	2057
16	108-2	2263314	M1167.D	2131
17	108-3	2263315	M1168.D	2205
18	750-1	2263316	M1169.D	2240
19	750-3	2263317	M1170.D	2314
20	750-4	2263318	M1171.D	2348
21	2562-2	2263320	M1173.D	0057
22	2562-3	2263321	M1174.D	0131
23	2044-1	2263322	M1175.D	0206
24	2044-2	2263323	M1176.D	0240
25	2044-3	2263324	M1177.D	0856
26	2044-DUP	2263326	M1178.D	0930
27	2562-1	2263319	M1179.D	1010
28				
29				
30				

COMMENTS:

5A

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: NYTEST ENV INC Contract: 9421415

Lab Code: NYTEST Case No.: 22633 SAS No.: SDG No.: ARMY3

Lab File ID: M1098.D BFB Injection Date: 11/28/94

Instrument ID: HPM BFB Injection Time: 1706

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	24.7
75	30.0 - 60.0% of mass 95	46.6
95	Base peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	6.3
173	Less than 2.0% of mass 174	0.0 (0.0)1
174	Greater than 50.0% of mass 95	95.9
175	5.0 - 9.0% of mass 174	7.3 (7.6)1
176	Greater than 95.0%, but less than 101.0% of mass 174	93.3 (97.2)1
177	5.0 - 9.0% of mass 176	6.1 (6.5)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	VSTD005	VSTD005	M1100.D	11/28/94	1755
02	VSTD020	VSTD020	M1102.D	11/28/94	1912
03	VSTD050	VSTD050	M1103.D	11/28/94	1950
04	VSTD100	VSTD100	M1105.D	11/28/94	2108
05	VSTD200	VSTD200	M1107.D	11/28/94	2225
06					
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					

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5A
VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: NYTEST ENV INC Contract: 9421415

Lab Code: NYTEST Case No.: 22633 SAS No.: SDG No.: ARMY3

Lab File ID: M1148.D BFB Injection Date: 12/01/94

Instrument ID: HPM BFB Injection Time: 1029

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	25.6
75	30.0 - 60.0% of mass 95	44.7
95	Base peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	6.6
173	Less than 2.0% of mass 174	0.0 (0.0)1
174	Greater than 50.0% of mass 95	92.3
175	5.0 - 9.0% of mass 174	7.4 (8.0)1
176	Greater than 95.0%, but less than 101.0% of mass 174	90.4 (98.0)1
177	5.0 - 9.0% of mass 176	5.8 (6.4)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	QCCHECK	QCCHECK	M1149.D	12/01/94	1040
02	VBLK39	VBLK39	M1150.D	12/01/94	1130
03	2044-TB	2263327	M1151.D	12/01/94	1210
04	296-TB	2263308	M1153.D	12/01/94	1315
05	296-FB	2263307	M1154.D	12/01/94	1348
06	2044-FB	2263325	M1155.D	12/01/94	1430
07	296-6	2263304	M1156.D	12/01/94	1503
08	296-6MS	2263310	M1157.D	12/01/94	1536
09	296-1	2263301	M1159.D	12/01/94	1655
10	296-3	2263303	M1160.D	12/01/94	1730
11	296-2	2263302	M1161.D	12/01/94	1804
12	296-7	2263305	M1162.D	12/01/94	1839
13	296-8	2263306	M1163.D	12/01/94	1913
14	296-DUP	2263309	M1164.D	12/01/94	1948
15	290-1	2263312	M1165.D	12/01/94	2022
16	108-1	2263313	M1166.D	12/01/94	2057
17	108-2	2263314	M1167.D	12/01/94	2131
18	108-3	2263315	M1168.D	12/01/94	2205
19	750-1	2263316	M1169.D	12/01/94	2240
20	750-3	2263317	M1170.D	12/01/94	2314
21	750-4	2263318	M1171.D	12/01/94	2348
22	2562-2	2263320	M1173.D	12/02/94	0057

000065

FORM V VOA

5A

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: NYTEST ENV INC Contract: 9421415

Lab Code: NYTEST Case No.: 22633 SAS No.: SDG No.: ARMY3

Lab File ID: M1148.D BFB Injection Date: 12/01/94

Instrument ID: HPM BFB Injection Time: 1029

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	25.6
75	30.0 - 60.0% of mass 95	44.7
95	Base peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	6.6
173	Less than 2.0% of mass 174	0.0 (0.0)1
174	Greater than 50.0% of mass 95	92.3
175	5.0 - 9.0% of mass 174	7.4 (8.0)1
176	Greater than 95.0%, but less than 101.0% of mass 174	90.4 (98.0)1
177	5.0 - 9.0% of mass 176	5.8 (6.4)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	2562-3	2263321	M1174.D	12/02/94	0131
02	2044-1	2263322	M1175.D	12/02/94	0206
03	2044-2	2263323	M1176.D	12/02/94	0240
04	2044-3	2263324	M1177.D	12/02/94	0856
05	2044-DUP	2263326	M1178.D	12/02/94	0930
06	2562-1	2263319	M1179.D	12/02/94	1010
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: NYTEST ENV INC Contract: 9421415

Lab Code: NYTEST Case No.: 22633 SAS No.: SDG No.: ARMY3

Instrument ID: HPM Calibration Date(s): 11/28/94

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

Max %RSD for CCC(*) = 35.0%

LAB FILE ID: RRF005 =M1100.D RRF010 =M1102.D
RRF030=M1103.D RRF050=M1105.D RRF200=M1107.D

COMPOUND	RRF005	RRF010	RRF030	RRF050	RRF200	$\overline{RRF}$	% RSD
Chloromethane	1.236	1.732	1.432	1.462	1.359	1.444	12.7
Bromomethane	1.418	1.713	1.276	1.472	1.357	1.447	11.4
Vinyl Chloride	1.526	2.017	1.598	1.824	1.705	1.734	11.2
Chloroethane	0.911	1.227	0.942	1.102	1.040	1.044	12.2
Methylene Chloride	3.837	3.259	1.863	2.065		2.756	34.4
1,1-Dichloroethene	1.465	1.880	1.456	1.712	1.565	1.616	11.2
1,1-Dichloroethane	3.420	4.234	3.262	3.820	3.362	3.620	11.2
Chloroform	3.209	3.968	3.002	3.518	3.267	3.393	10.9
1,2-Dichloroethane	2.329	2.835	2.179	2.590	2.346	2.456	10.5
1,1,1-Trichloroethane	0.757	0.927	0.724	0.861	0.750	0.804	10.7
Carbon Tetrachloride	0.721	0.853	0.699	0.831	0.725	0.766	9.2
Bromodichloromethane	0.862	1.054	0.834	0.988	0.879	0.923	10.1
1,2-Dichloropropane	0.683	0.817	0.631	0.752	0.665	0.710	10.5
cis-1,3-Dichloropropene	0.858	1.041	0.820	0.960	0.836	0.903	10.5
Trichloroethene	0.638	0.770	0.606	0.701	0.633	0.670	9.9
Dibromochloromethane	0.774	0.985	0.783	0.934	0.826	0.860	10.9
1,1,2-Trichloroethane	0.540	0.664	0.516	0.606	0.531	0.571	10.9
Benzene	1.561	1.818	1.424	1.679	1.461	1.589	10.2
trans-1,3-Dichloropropene	0.745	0.901	0.711	0.835	0.731	0.784	10.2
Bromoform	0.715	0.942	0.779	0.920	0.812	0.834	11.5
Tetrachloroethene	0.698	0.780	0.604	0.708	0.632	0.684	10.1
1,1 2,2-Tetrachloroethane	0.827	0.999	0.768	0.906	0.761	0.851	11.9
Toluene	1.760	2.045	1.583	1.866	1.632	1.777	10.5
Chlorobenzene	1.209	1.365	1.042	1.226	1.093	1.187	10.6
Ethylbenzene	0.625	0.708	0.526	0.625	0.571	0.611	11.2
Xylene (total)	0.720	0.819	0.622	0.743	0.671	0.715	10.4
Trichloromonofluoromethane	2.566	3.298	2.535	2.927	2.714	2.808	11.2
Acrolein		0.109	0.121	0.047	0.106	0.096	34.9
Acrylonitrile	1.220	1.556	1.306	1.444	1.237	1.353	10.6
Tertiary Butyl Alcohol	0.000	0.204	0.165	0.165		0.178	12.6
Methyl Tertiary Butyl Ether	3.406	4.306	3.105	3.687	2.875	3.476	16.0
1,3-Dichlorobenzene	1.260	1.448	1.108	1.314	1.178	1.261	10.4
1,4-Dichlorobenzene	1.296	1.504	1.147	1.371	1.227	1.309	10.4
1,2-Dichlorobenzene	1.150	1.332	1.013	1.213	1.084	1.159	10.6
2-Chloroethylvinyl Ether	0.683	0.817	0.631	0.752	0.666	0.710	10.5
Trans, 1,2-Dichloroethene	1.574	1.988	1.517	1.798	1.596	1.695	11.5
Fluorobenzene	5.498	6.761	5.100	5.999	5.611	5.794	10.8

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VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: NYTEST ENV INC Contract: 9421415

Lab Code: NYTEST Case No.: 22633 SAS No.: SDG No.: ARMY3

Instrument ID: HPM Calibration Date(s): 11/28/94

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

Max $\overline{\%RSD}$ for CCC(*) = 35.0%

LAB FILE ID: RRF005 =M1100.D RRF010 =M1102.D
RRF030=M1103.D RRF050=M1105.D RRF200=M1107.D

COMPOUND	RRF005	RRF010	RRF030	RRF050	RRF200	$\overline{RRF}$	% RSD
Bromofluorobenzene	0.843	0.979	0.744	0.890	0.816	0.854	10.2
Pentafluorobenzene	6.449	7.843	5.883	6.876	6.279	6.666	11.2

000068

GC Data

Pesticide Data

8080PEST - FORM 1

NYTEST ENVIRONMENTAL INC.

TCL PESTICIDE ORGANICS ANALYSIS DATA SHEET

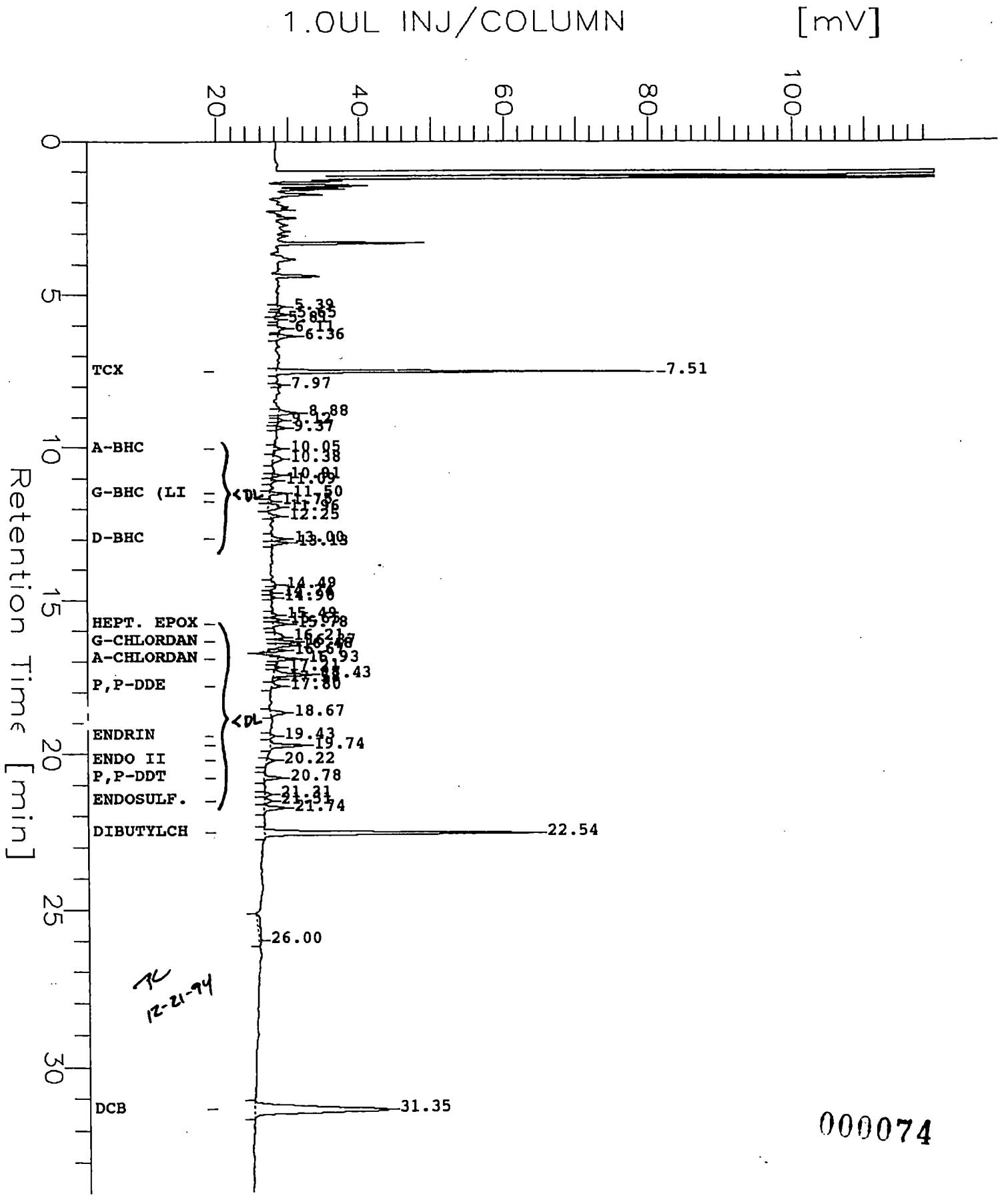
SAMPLE MATRIX:	WATER	SAMPLE ID:	2044-1
CONC. LEVEL:	LOW	LAB SAMPLE ID:	2263322
EXTRACTION DATE:	12/01/94	DIL FACTOR:	1.00
ANALYSIS DATE:	12/07/94	% MOISTURE:	NA

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

HP1-B HP-50+ 0.53MM

Sample Name : 2263322
FileName : C:\2700\DATA0\186B054.raw
Method : 5890.ins
Start Time : 0.00 min End Time : 34.00 min
Scale Factor: -1 Plot Offset: 20 mV

Sample #: 20441-1 Page 1 of 1
Date : 12/21/94 09:43
Time of Injection: 12/7/94 19:43
Low Point : 19.57 mV High Point : 119.57 mV
Plot Scale: 100 mV



TC 12-21-94

000074

Software Version: 3.2 <10C20>
Sample Name : 2263322 Time : 12/21/94 09:43
Sample Number: 20441-1 Study : 12/01
Operator : Analyst

Instrument : 970-1:_HP1_(5890) Channel : B A/D mV Range : 1000
AutoSampler : NONE
Rack/Vial : 0/0

Interface Serial # : 9161570932 Data Acquisition Time: 12/7/94 19:43
Delay Time : 0.00 min.
End Time : 34.00 min.
Sampling Rate : 2.0000 pts/sec

Raw Data File : C:\2700\DATA0\186B054.raw
Result File : c:\2700\data0\186B054.rst
Instrument File: c:\2700\data\5890.ins
Process File : c:\2700\data\902.prc
Sample File : c:\2700\data\186B.smp
Sequence File : c:\2700\data0\186.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
1	5.39	4012	956	BB	100000	0.0401	0.401			
2	5.65	6240	1608	BB	100000	0.0624	0.624			
4	6.11	4797	1080	BB	100000	0.0480	0.480			
5	6.36	13295	2541	BB	100000	0.1330	1.330			
6	7.51	221499	53350	BB	6321444	0.0350	0.350		TCX 35% x2 = 70%	
8	8.80	15030	2900	BB	100000	0.1503	1.503			
10	9.37	5387	1218	BB	100000	0.0539	0.539			
11	10.05	5567	989	BB	6415939	0.0008	0.008		a-BHC	
12	10.38	12545	1175	BB	100000	0.1255	1.255			
13	10.91	5112	1167	BB	100000	0.0511	0.511			
15	11.50	9834	1927	BV	5962691	0.0017	0.017		g-BHC (LINDANE)	
17	11.96	17652	1743	VB	100000	0.1765	1.765			
18	12.25	7827	1366	BB	100000	0.0783	0.783			
19	13.00	9943	1791	BV	5273731	0.0019	0.019		d-BHC	
20	13.13	11473	2325	VB	100000	0.1147	1.147			
25	15.65	4816	1093	VV	100000	0.0482	0.482			
26	15.78	10798	2132	VB	5475514	0.0020	0.020		HEPT. EPOX.	<DL
27	16.21	10779	1230	BV	100000	0.1078	1.078			
28	16.37	14638	2808	VV	5889288	0.0025	0.025		g-CHLORDANE	
29	16.48	11852	2267	VB	100000	0.1185	1.185			
30	16.67	10987	2469	BB	100000	0.1099	1.099			
31	16.93	13267	2975	BB	6068813	0.0022	0.022		a-CHLORDANE	
33	17.43	31387	5354	VE	100000	0.3139	3.139			
34	17.58	4715	1073	EV	100000	0.0472	0.472			
35	17.80	8277	1363	VB	4413187	0.0019	0.019		p,p-DDE	
36	18.67	14841	2008	BB	100000	0.1484	1.484			
38	19.74	26737	4835	BB	3170050	0.0084	0.084		p,p-DDD	
39	20.22	7016	1140	BB	4022487	0.0017	0.017		ENDO II	<DL
40	20.78	12333	2339	BB	3362611	0.0037	0.037		p,p-DDT	
41	21.31	5207	923	BV	100000	0.0521	0.521			
42	21.51	7463	972	VV	3901949	0.0019	0.019		ENDOSULF.SULFATE	
43	21.74	18551	2890	VB	100000	0.1855	1.855			
44	22.54	209843	38101	BB	3114370	0.0674	0.674		DIBUTYLCHLORENDATE 34% x2 = ~~68%~~ 67 Analyte	
45	26.00	15339	273	BB	100000	0.1534	1.534			
46	31.35	212053	18814	BB	~~6214254~~ 116570	0.0341	0.341		DCB 34% x2 = ~~68%~~ 69%	
		1000907	171193			2.4836	24.836			

Analyte Analyte

000075

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:	2263323
EXTRACTION DATE:	12/01/94	DIL FACTOR:	1.00
ANALYSIS DATE:	12/07/94	% MOISTURE:	NA

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

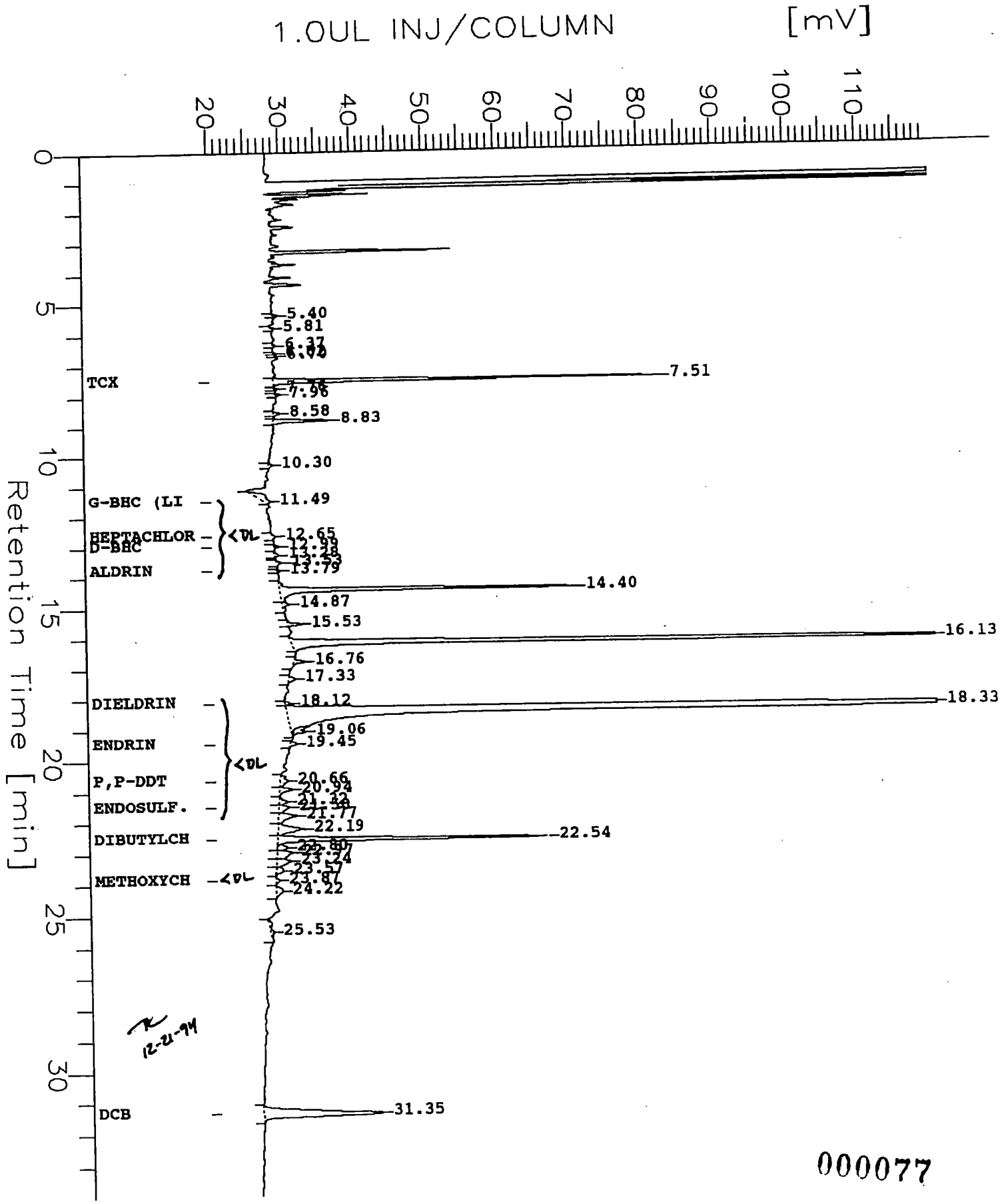
HP1-B HP-50+ 0.53MM

Sample Name : 2263323
FileName : c:\2700\data0\186B055.raw
Method : 5890.ins
Start Time : 0.00 min
Scale Factor: -1

End Time : 34.00 min
Plot Offset: 20 mV

Sample #: 20443-2
Date : 12/8/94 11:28
Time of Injection: 12/7/94 20:28
Low Point : 19.94 mV
Plot Scale: 100 mV

High Point : 119.94 mV



000077

Software Version: 3.2 <1 20>
Sample Name : 2263323
Sample Number: 20441-2
Operator :

Time : 12/8/94 11:28
Study : 12/01

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

Channel : B A/D mV Range : 1000

Interface Serial # : 9161570932 Data Acquisition Time: 12/7/94 20:28
Delay Time : 0.00 min.
End Time : 34.00 min.
Sampling Rate : 2.0000 pts/sec

Raw Data File : c:\2700\data0\186B055.raw
Result File : c:\2700\data0\186B055.rst
Instrument File: c:\2700\data\5890.ins
Process File : c:\2700\data\902.prc
Sample File : c:\2700\data\186B.smp
Sequence File : C:\2700\DATA0\186.seq

Inj. Volume : 1 ul
Sample Amount : 1000.0000

Area Reject : 4000.00
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
6	7.51	227093	54344	BB	6321444	0.0359	0.359		TCX 36% x2 = 72%	
10	8.83	37197	8103	BB	100000	0.3720	3.720			
12	11.49	26525	901	BB	5962691	0.0045	0.045		g-BHC (LINDANE)	
18	14.40	225609	41547	BV	100000	2.2561	22.561			
19	14.87	8061	976	VB	100000	0.0806	0.806			
20	15.53	8952	1950	BB	100000	0.0895	0.895			
21	16.13	923074	168785	BB	100000	8.2307	82.307			
22	16.76	10431	1601	BB	100000	0.1043	1.043			
23	17.33	7218	883	BB	100000	0.0722	0.722			
25	18.33	5903001	923732	VE	100000	59.0300	590.300			
26	19.06	17710	1828	EB	100000	0.1771	1.771			
27	19.45	5228	808	BB	4265657	0.0012	0.012		ENDRIN	
28	20.66	12543	1027	BV	3362611	0.0037	0.037		p,p-DDT	
29	20.94	12218	1642	VB	100000	0.1222	1.222			
30	21.32	9135	1136	BV	100000	0.0914	0.914			
31	21.50	13901	1441	VV	3901949	0.0036	0.036		ENDOSULF.SULFATE	
32	21.77	27932	2504	VV	100000	0.2793	2.793			
33	22.19	37689	3649	VV	100000	0.3769	3.769			
34	22.54	215711	37864	VE	3114370	0.0693	0.693		DIBUTYLCHLORENDATE 35% x2 = 70%	
35	22.80	12062	1424	EV	100000	0.1206	1.206			
36	22.97	26235	2228	VV	100000	0.2624	2.624			
37	23.24	22256	2029	VV	100000	0.2226	2.226			
38	23.57	11349	1002	VB	100000	0.1135	1.135			
39	23.87	4263	506	BB	1590880	0.0027	0.027		METHOXYCHLOR <DL	
40	24.22	13339	1008	BB	100000	0.1334	1.334			
41	25.53	10299	409	BB	100000	0.1030	1.030			
42	31.35	190028	16717	BB	~~6314254~~ 6160740	0.0306	0.306		DCB 31% x2 = 62% 69%	
		7919057	1280044			72.3891	723.891			

NC=NOT CONFIRMED; CON=CONFIRMED; PREPARED BY... REVIEWED BY.

12-21-94

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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:	2263324
EXTRACTION DATE:	12/01/94	DIL FACTOR:	1.00
ANALYSIS DATE:	12/07/94	% MOISTURE:	NA

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

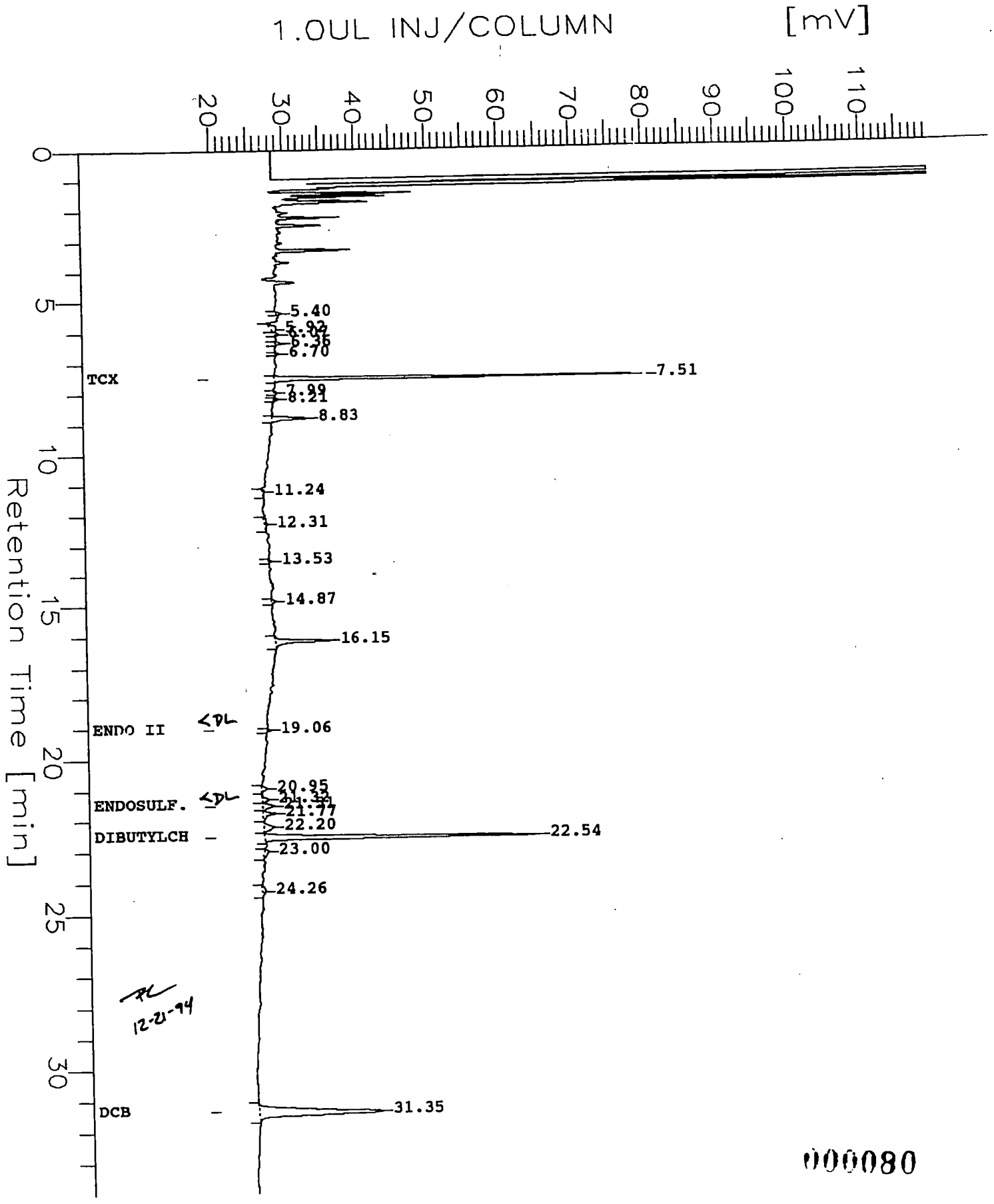
HP1-B HP-50+ 0.53MM

Sample Name : 2263324
FileName : c:\2700\data0\186B056.raw
Method : 5890.ins
Start Time : 0.00 min
Scale Factor: -1

End Time : 34.00 min
Plot Offset: 19 mV

Sample #: 20441-3
Date : 12/8/94 11:29
Time of Injection: 12/7/94 21:13
Low Point : 19.38 mV
Plot Scale: 100 mV

High Point : 119.38 mV



RL 12-21-94

Software Version: 3.2 <1 20>
Sample Name : 2263324
Sample Number: 20441-3
Operator :

Time : 12/8/94 11:29
Study : 12/01

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

Channel : B A/D mV Range : 1000

Interface Serial # : 9161570932 Data Acquisition Time: 12/7/94 21:13
Delay Time : 0.00 min.
End Time : 34.00 min.
Sampling Rate : 2.0000 pts/sec

Raw Data File : c:\2700\data0\186B056.raw
Result File : c:\2700\data0\186B056.rst
Instrument File: c:\2700\data\5890.ins
Process File : c:\2700\data\902.prc
Sample File : c:\2700\data\186B.smp
Sequence File : C:\2700\DATA0\186.seq

Inj. Volume : 1 ul
Sample Amount : 1000.0000

Area Reject : 4000.00
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
2	5.92	10286	641	BV	100000	0.1029	1.029			
6	7.51	218754	52053	BB	6321444	0.0346	0.346		TCX 35% R2 = 70% 69%	
9	8.83	24412	5075	BB	100000	0.2441	2.441			
11	12.31	5583	363	BB	100000	0.0558	0.558			
14	16.15	45479	7743	BB	100000	0.4548	4.548			
16	20.95	5011	805	BV	100000	0.0501	0.501			
17	21.32	6368	879	VV	100000	0.0637	0.637			
18	21.51	12385	1526	VV	3901949	0.0032	0.032		ENDOSULF.SULFATE <DL	
19	21.77	12569	1706	VV	100000	0.1257	1.257			
20	22.20	13998	1454	VB	100000	0.1400	1.400			
21	22.54	215119	38336	BB	3114370	0.0691	0.691		DIBUTYLCHLORENDATE 34% R2 = 68% 69%	
22	23.00	6409	580	BB	100000	0.0641	0.641			
23	24.26	5752	438	BB	100000	0.0575	0.575			
24	31.35	198230	17254	BB	~~6314254~~	0.0319	0.319		DCB 32% R2 = 64%	
		780355	128853		6168740	1.4974	14.974			

NC=NOT CONFIRMED; CON=CONFIRMED; PREPARED BY... REVIEWED BY...

12-21-94

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:	2263325
EXTRACTION DATE:	12/01/94	DIL FACTOR:	1.00
ANALYSIS DATE:	12/07/94	% MOISTURE:	NA

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

HP1-B HP-50+ 0.53MM

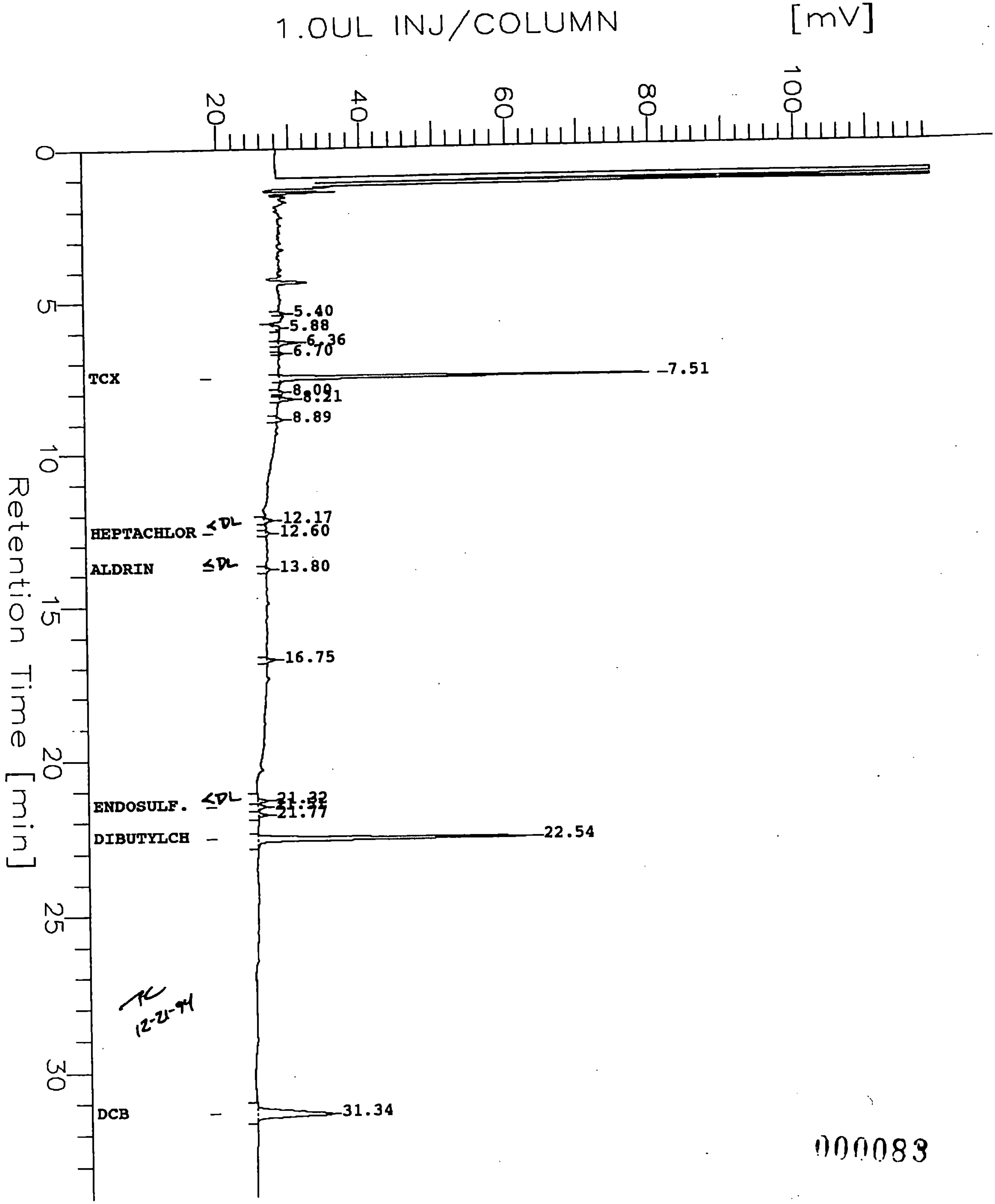
Sample Name : 2263325
FileName : c:\2700\data0\186B057.raw
Method : 5890.ins
Start Time : 0.00 min
Scale Factor: -1

End Time : 34.00 min
Plot Offset: 19 mV

Sample #: 2044-FB
Date : 12/8/94 11:29
Time of Injection: 12/7/94 21:59
Low Point : 18.79 mV
Plot Scale: 100 mV

High Point : 118.79 mV

1.0UL INJ/COLUMN



Software Version: 3.2 <1 20>
Sample Name : 2263325
Sample Number: 2044-FB
Operator :

Time : 12/8/94 11:29
Study : 12/01

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

Channel : B A/D mV Range : 1000

Interface Serial # : 9161570932 Data Acquisition Time: 12/7/94 21:59
Delay Time : 0.00 min.
End Time : 34.00 min.
Sampling Rate : 2.0000 pts/sec

Raw Data File : c:\2700\data0\186B057.raw
Result File : c:\2700\data0\186B057.rst
Instrument File: c:\2700\data\5890.ins
Process File : c:\2700\data\902.prc
Sample File : c:\2700\data\186B.smp
Sequence File : C:\2700\DATA0\186.seq

Inj. Volume : 1 ul
Sample Amount : 1000.0000

Area Reject : 4000.00
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
2	5.88	8858	710	BB	100000	0.0886	0.886			
3	6.36	12659	2570	BB	100000	0.1266	1.266			
5	7.51	221467	52725	BB	6321443	0.0350	0.350		TCX 35% x2= 70%	
7	8.21	8761	1867	BB	100000	0.0876	0.876			
8	8.89	4780	847	BB	100000	0.0478	0.478			
9	12.17	6562	1176	BB	100000	0.0656	0.656			
12	16.75	5409	1056	BB	100000	0.0541	0.541			
13	21.32	7696	1277	BV	100000	0.0770	0.770			
14	21.51	7146	984	VV	3901949	0.0018	0.018		ENDOSULF.SULFATE <DL	69%
15	21.77	6597	1232	VB	100000	0.0660	0.660			
16	22.54	215507	38298	BB	3114370	0.0692	0.692		DIBUTYLCHLORENDATE 35% x2 = 70%	
17	31.34	120099	10371	BB	~~6214254~~	0.0193	0.193		DCB 19% x2 = 38% 39%	
		625539	113112		6168740	0.7386	7.386			

12/29/94

NC=NOT CONFIRMED; CON=CONFIRMED; PREPARED BY... REVIEWED BY...

Patrick Connell
12-21-94

000084

8080PEST - FORM 1

NYTEST ENVIRONMENTAL INC.

TCL PESTICIDE ORGANICS ANALYSIS DATA SHEET

SAMPLE MATRIX: WATER
CONC. LEVEL: LOW
EXTRACTION DATE: 12/01/94
ANALYSIS DATE: 12/07/94

SAMPLE ID: 2044-DUP
LAB SAMPLE ID: 2263326
DIL FACTOR: 1.00
% 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

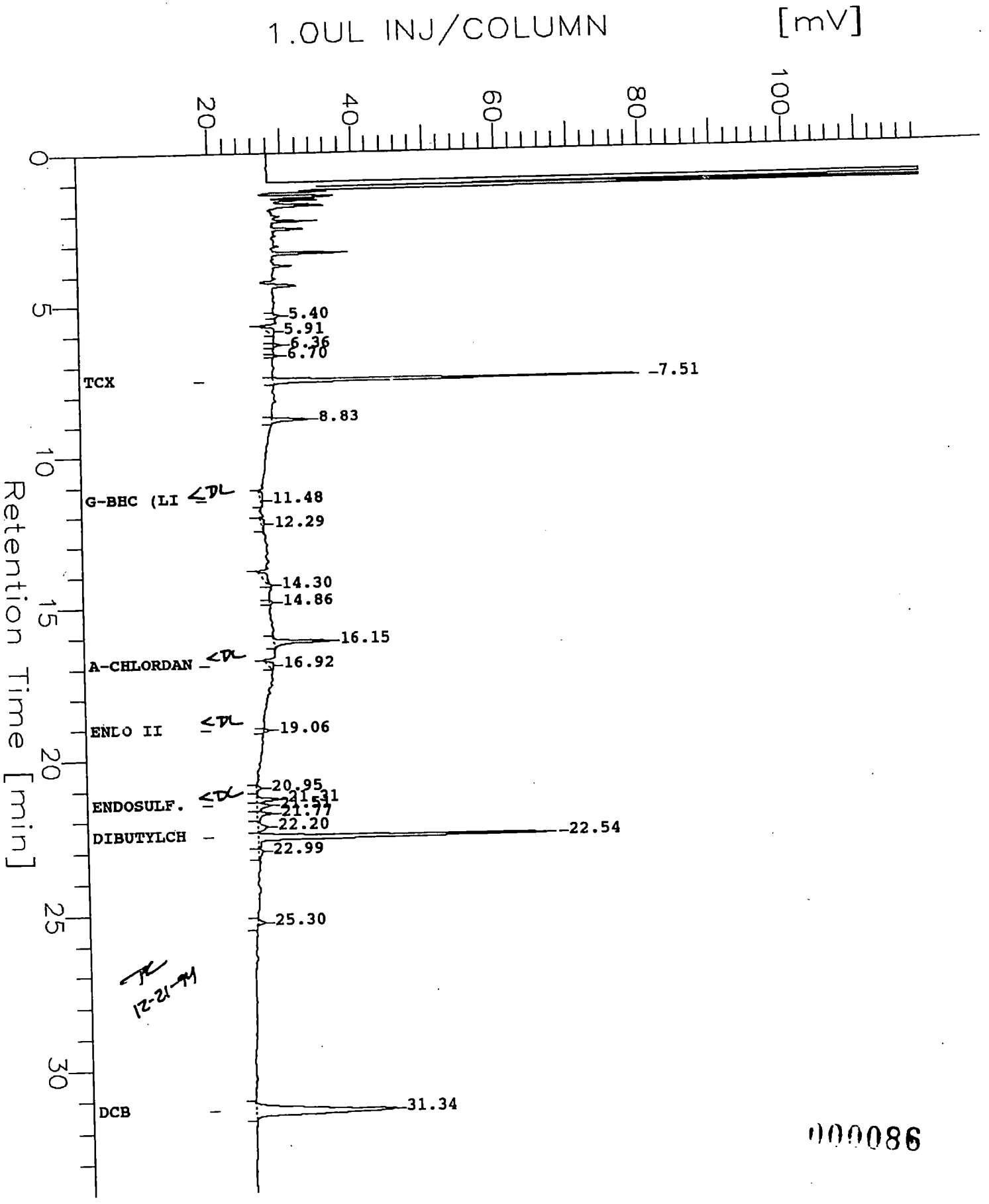
HP1-B HP-50+ 0.53MM

Sample Name : 2263326
FileName : c:\2700\data0\186B058.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 : 12/8/94 11:30
Time of Injection: 12/7/94 22:44
Low Point : 18.89 mV
Plot Scale: 100 mV

High Point : 118.89 mV



Software Version: 3.2 <1[illegible]20>
Sample Name : 2263326
Sample Number: 2044-DUP
Operator :

Time : 12/8/94 11:30
Study : 12/01

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

Channel : B A/D mV Range : 1000

Interface Serial # : 9161570932 Data Acquisition Time: 12/7/94 22:44
Delay Time : 0.00 min.
End Time : 34.00 min.
Sampling Rate : 2.0000 pts/sec

Raw Data File : c:\2700\data0\186B058.raw
Result File : c:\2700\data0\186B058.rst
Instrument File: c:\2700\data\5890.ins
Process File : c:\2700\data\902.prc
Sample File : c:\2700\data\186B.smp
Sequence File : C:\2700\DATA0\186.seq

Inj. Volume : 1 ul
Sample Amount : 1000.0000

Area Reject : 4000.00
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
2	5.91	13824	884	BB	100000	0.1382	1.382			
3	6.36	4310	993	BB	100000	0.0431	0.431			
5	7.51	221479	52715	BB	6321444	0.0350	0.350		TCX 35% x2 = 70%	
6	8.83	25997	5209	BB	100000	0.2600	2.600			
7	11.48	7770	277	BB	5962691	0.0013	0.013		g-BHC (LINDANE)	
8	12.29	8046	416	BB	100000	0.0805	0.805			
9	14.30	17850	475	BB	100000	0.1785	1.785			
11	16.15	46090	7903	BB	100000	0.4609	4.609			
12	16.92	9402	699	BB	6068813	0.0016	0.016		a-CHLORDANE	<DL
14	20.95	4504	669	BV	100000	0.0450	0.450			
15	21.31	19357	2953	VV	100000	0.1936	1.936			
16	21.51	14752	1754	VV	3901949	0.0038	0.038		ENDOSULF.SULFATE	
17	21.77	15692	1898	VV	100000	0.1569	1.569			
18	22.20	14569	1356	VV	100000	0.1457	1.457			
19	22.54	239231	41959	VV	3114370	0.0768	0.768		DIBUTYLCHLORENDATE 38% x2 = 76% 77%	
20	22.99	7153	611	VB	100000	0.0715	0.715			
21	25.30	7642	1044	BB	100000	0.0764	0.764			
22	31.34	227274	19621	BB	~~6214354~~	0.0366	0.366		DCB 37% x2 = 74% 74% 12/21/94	
		904940	141434		6168790	2.0054	20.054			

12/21/94

NC=NOT CONFIRMED; CON=CONFIRMED; PREPARED BY... REVIEWED BY...

Patricia Cruz
~~12-14-9~~
12-21-94

000087

8080PEST - FORM 1

NYTEST ENVIRONMENTAL INC.

TCL PESTICIDE ORGANICS ANALYSIS DATA SHEET

SAMPLE MATRIX:	WATER	SAMPLE ID:	PBLK1
CONC. LEVEL:	LOW	LAB SAMPLE ID:	PWB1201A
EXTRACTION DATE:	12/01/94	DIL FACTOR:	1.00
ANALYSIS DATE:	12/07/94	% MOISTURE:	NA

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

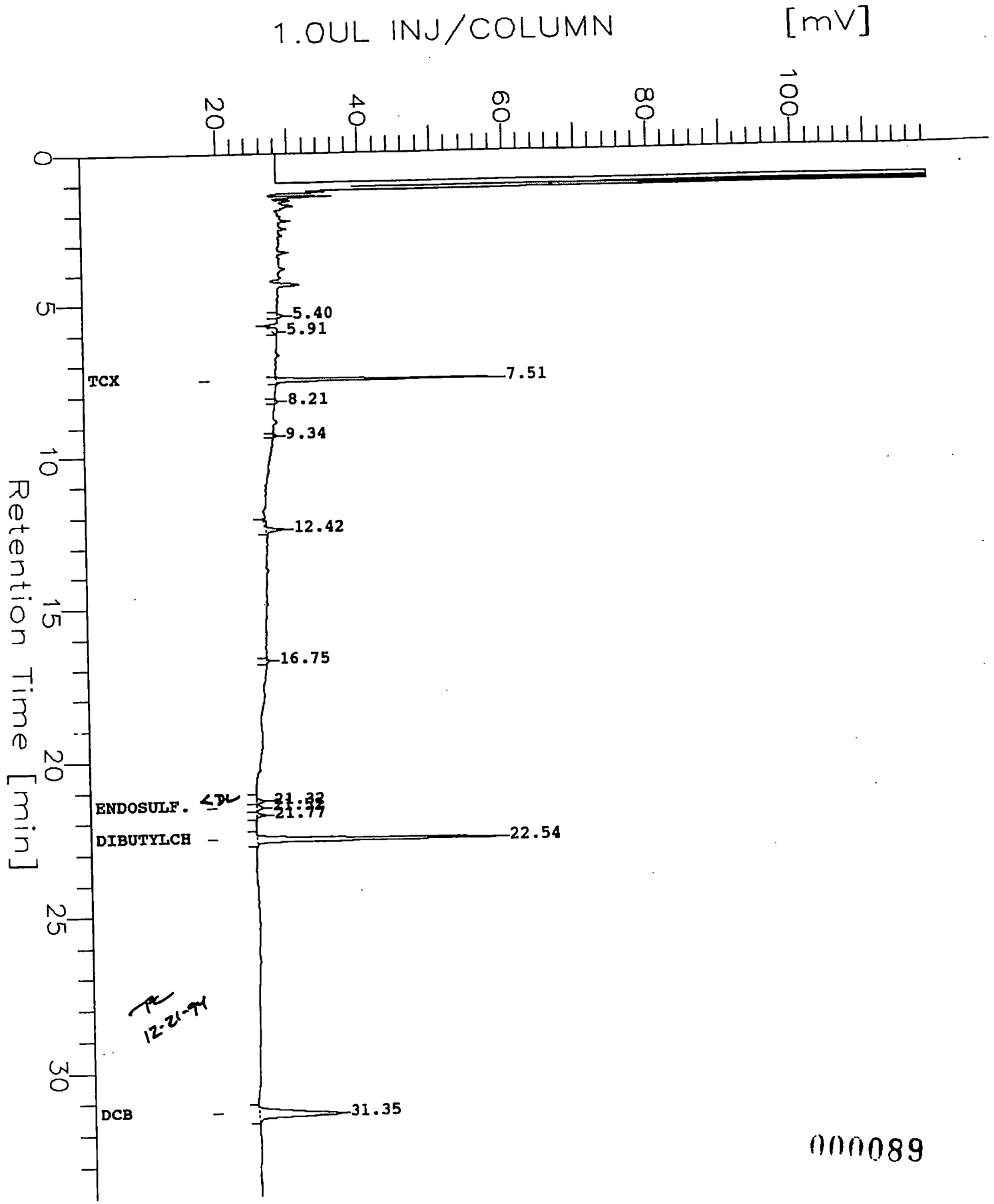
HP1-B HP-50+ 0.53MM

Sample Name : PWB1201A
FileName : c:\2700\data0\186B052.raw
Method : 5890.ins
Start Time : 0.00 min
Scale Factor: -1

End Time : 34.00 min
Plot Offset: 19 nV

Sample #: PBLK1
Date : 12/8/94 11:27
Time of Injection: 12/7/94 18:12
Low Point : 18.64 mV
Plot Scale: 100 mV

High Point : 118.64 mV



12-21-94

000089

Software Version: 3.2 <1[illegible]0>
Sample Name : PWB1201A
Sample Number: PBLK1
Operator :

Time : 12/8/94 11:27
Study : 12/01

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

Channel : B A/D mV Range : 1000

Interface Serial # : 9161570932 Data Acquisition Time: 12/7/94 18:12
Delay Time : 0.00 min.
End Time : 34.00 min.
Sampling Rate : 2.0000 pts/sec

Raw Data File : c:\2700\data0\186B052.raw
Result File : c:\2700\data0\186B052.rst
Instrument File: c:\2700\data\5890.ins
Process File : c:\2700\data\902.prc
Sample File : c:\2700\data\186B.smp
Sequence File : C:\2700\DATA0\186.seq

Inj. Volume : 1 ul
Sample Amount : 1000.0000

Area Reject : 4000.00
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
1	5.40	4051	861	BB	100000	0.0405	0.405			
2	5.91	10695	673	BB	100000	0.1070	1.070		TCX 21% x 2 = 42% 41%	
3	7.51	130040	31052	BB	6321444	0.0206	0.206			
6	12.42	17039	2530	BB	100000	0.1704	1.704			
8	21.32	6907	1068	BV	100000	0.0691	0.691		ENDOSULF.SULFATE <DL	
9	21.52	6692	889	VV	3901948	0.0017	0.017			
10	21.77	6386	1165	VB	100000	0.0639	0.639		DIBUTYLCHLORENDATE 31% x 2 = 62% 61%	
11	22.04	190778	33776	BB	3114370	0.0613	0.613			
12	31.35	129476	11319	BB	~~6214254~~ 6168740	0.0208	0.208		DCB 21% x 2 = 42%	
		502063	83332			0.5552	5.552			

12/21/94

NC=NOT CONFIRMED; CON=CONFIRMED; PREPARED BY... REVIEWED BY...

Patricia Connell
12-21-94

000090

8080 - FORM 2

NYTEST ENVIRONMENTAL INC.

PESTICIDE/PCB SURROGATE RECOVERY

LOGIN # : 22633

MATRIX : WATER

|<<<<<<<<<<<<< PESTICIDE/PCB >>>>>>>>>>>>>|

	SAMPLE ID	TCX % RECOVERY	DBC % RECOVERY	DCB % RECOVERY	SURR. OUT
01	2044-1	70 OK	67 OK	69 OK	0
02	2044-2	72 OK	69 OK	62 OK	0
03	2044-3	69 OK	69 OK	64 OK	0
04	2044-FB	70 OK	69 OK	39 *	1
05	2044-DUP	70 OK	77 OK	74 OK	0
06	PBLK1	41 *	61 OK	42 *	2
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					

ADVISORY QC LIMITS

Tetrachloroxylene	(TCX)	60 - 150
Dibutylchlorendate	(DBC)	24 - 154
Dichlorobiphenyl	(DCB)	60 - 150

* RECOVERY OUTSIDE ADVISORY QC LIMITS

I MATRIX INTERFERENCE

000091

8080 - FORM 3

NYTEST ENVIRONMENTAL INC.

PESTICIDE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

LOGIN # : 22633

MATRIX: WATER

		CONC. SPIKE							QC LIMITS	
	COMPOUND	ADDED (ug/l)	SAMPLE RESULT	CONC. MS	% RECOVERY	CONC. MSD	% RECOVERY	RPD	RPD	RECOVERY
	gamma - BHC (Lindane)	0.2	0.00	0.15	75 OK	0.15	75 OK	0 OK	15	56 -123
SAMPLE ID	Heptachlor	0.2	0.00	0.14	70 OK	0.15	75 OK	7 OK	20	40 -131
	Aldrin	0.2	0.00	0.13	65 OK	0.13	65 OK	0 OK	22	40 -120
NYTEST ID	Dieldrin	0.5	0.00	0.34	68 OK	0.34	68 OK	0 OK	18	52 -126
2247503	Endrin	0.5	0.00	0.35	70 OK	0.35	70 OK	0 OK	21	56 -121
2247504	4,4' - DDT	0.5	0.00	0.37	74 OK	0.41	82 OK	10 OK	27	38 -127

OF PEST % REC OUTSIDE ADVISORY QC LIMITS: 0 OF 12

OF PEST RPD OUTSIDE ADVISORY QC LIMITS: 0 OF 6

000092

METHOD BLANK SUMMARY Fo 4

NYTEST ENVIRONMENTAL

CONTRACT: 9421415

MATRIX (soil/water): water

LEVEL (low/med): low

INSTRUMENT ID: HP1B

GC COLUMN: HP-5o+ 0.53mm x 30M

EXTRACTION DATE: 12-1-94

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

Client Id.	Lab Id.	File Name	Date Of Injection	Time Of Injection	DIBUTYLCHLORENDATE RT (reference)
PBLK1	PWB1201A	186b052.rst	12/7/94	18:12	22.54
2044-1	2263322	186b054.rst	12/7/94	19:43	22.54
2044-2	2263323	186b055.rst	12/7/94	20:28	22.54
2044-3	2263324	186b056.rst	12/7/94	21:13	22.54
2044-FB	2263325	186b057.rst	12/7/94	21:59	22.54
2044-DUP	2263326	186b058.rst	12/7/94	22:44	22.54

12/29/94

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

NYTEST ENVIRONMENTAL

CONTRACT: 9421415

INSTRUMENT ID: HP1B

GC COLUMN ID: HP-5ol 0.53mm x 30M

DATES of ANALYSIS: 11-29-94 TO 11-30-94

File Name	Sample Name	Sample Number	Date Of Injection	Time Of Injection	DIBUTYLCHLORENDATE Ret. Time	% D	*
185b002.rst	INDA-1	INDA-1	11/29/94	19:44	22.53	—	
185b003.rst	INDA-2	INDA-2	11/29/94	20:29	22.53	0	
185b004.rst	INDA-3	INDA-3	11/29/94	21:15	22.53	0	
185b005.rst	INDA-4	INDA-4	11/29/94	22:00	22.54	.04	
185b006.rst	INDA-5	INDA-5	11/29/94	22:45	22.54	.04	
185b008.rst	INDB-1	INDB-1	11/30/94	12:16	22.53	0	
185b009.rst	INDB-2	INDB-2	11/30/94	01:02	22.54	.04	
185b010.rst	INDB-3	INDB-3	11/30/94	01:47	22.54	↓	
185b011.rst	INDB-4	INDB-4	11/30/94	02:32	22.54		
185b012.rst	INDB-5	INDB-5	11/30/94	03:18	22.54		

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

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

NYTEST ENVIRONMENTAL

CONTRACT: 9421415

INSTRUMENT ID: HP1B

GC COLUMN ID: HP-5+ 0.53mm x 30M

DATES of ANALYSIS: 12-7-94 TO 12-8-94

File Name	Sample Name	Sample Number	Date Of Injection	Time Of Injection	DIBUTYLCHLORENDATE Ret. Time	% D	*
186b048.rst	INDA-3	INDA-3	12/7/94	14:07	22.55	—	
186b049.rst	INDB-3	INDB-3	12/7/94	14:53	22.55	0	
186b052.rst	PWB1201A	PBLK1	12/7/94	18:12	22.54	.04	
186b054.rst	2263322	2044-1	12/7/94	19:43	22.54		
186b055.rst	2263323	2044-2	12/7/94	20:28	22.54		
186b056.rst	2263324	2044-3	12/7/94	21:13	22.54		
186b057.rst	2263325	2044-FB	12/7/94	21:59	22.54		
186b058.rst	2263326	2044-DUP	12/7/94	22:44	22.54		
186b062.rst	INDA-3	INDA-3	12/8/94	01:45	22.54		

A 12/14/94

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

CALIBRATION FACTORS and RSD SUMMARY

STANDARD: INMA INSTRUMENT: 14 P 13 SEQUENCE: 185

DATA FILE NAME	Sample Name	Sample Number	TCX CALIBRATION FACTOR	g-BHC (LINDANE) CALIBRATION FACTOR	HEPTACHLOR CALIBRATION FACTOR	ALDRIN CALIBRATION FACTOR
185B002.	INDA-1	INDA-1	7103700.0000	6618801.0000	6820700.0000	6151400.0000
185B003.	INDA-2	INDA-2	6451760.5000	5945560.5000	5978040.0000	5292240.0000
185B004.	INDA-3	INDA-3	5668270.5000	5180117.5000	5116940.5000	4510310.5000
185B005.	INDA-4	INDA-4	6192152.5000	5794940.5000	5521830.5000	5019710.5000
185B006.	INDA-5	INDA-5	6191335.0000	6274036.5000	5673085.0000	5385900.0000
Averages			6321443.5000	5962691.0000	5822119.0000	5271912.0000
%RSD			8.26	9.06	10.97	11.34

DATA FILE NAME	Sample Name	Sample Number	HEPT. EPOX. CALIBRATION FACTOR	ENDO I CALIBRATION FACTOR	DIELDRIN CALIBRATION FACTOR	ENDO II CALIBRATION FACTOR
185B002.	INDA-1	INDA-1	6508700.0000	5874650.0000	5615600.0000	4669300.0000
185B003.	INDA-2	INDA-2	5599240.0000	5184900.0000	4953397.5000	3962287.7500
185B004.	INDA-3	INDA-3	4777650.5000	4438171.5000	4244039.0000	3517272.7500
185B005.	INDA-4	INDA-4	5161200.5000	4713770.5000	4662405.5000	3879117.5000
185B006.	INDA-5	INDA-5	5330780.0000	4916372.5000	4920545.0000	4084457.2500
Averages			5475514.0000	5025573.0000	4879197.5000	4022487.0000
%RSD			11.87	10.90	10.25	10.41

DATA FILE NAME	Sample Name	Sample Number	P,P-DDT CALIBRATION FACTOR	ENDRIN ALDEHYDE CALIBRATION FACTOR	DIBUTYLCHLORENDATE CALIBRATION FACTOR	METHOXYCHLOR CALIBRATION FACTOR
185B002.	INDA-1	INDA-1	3569700.0000	3331320.0000	3487126.7500	1617610.1250
185B003.	INDA-2	INDA-2	3342759.0000	3097390.0000	3094940.2500	1594545.5000
185B004.	INDA-3	INDA-3	2950844.0000	2710943.0000	2710032.5000	1427604.5000
185B005.	INDA-4	INDA-4	3299205.0000	2853071.5000	3035642.2500	1609811.7500
185B006.	INDA-5	INDA-5	3650546.2500	2937017.5000	3244106.0000	1704826.0000
Averages			3362610.7500	2985948.5000	3114369.5000	1590879.6250
%RSD			8.14	7.99	9.16	6.34

DATA FILE NAME	Sample Name	Sample Number	DCB CALIBRATION FACTOR
185B002.	INDA-1	INDA-1	7421750.0000
185B003.	INDA-2	INDA-2	6637380.5000
185B004.	INDA-3	INDA-3	5462878.0000
185B005.	INDA-4	INDA-4	[illegible]
185B006.	INDA-5	INDA-5	[illegible]
Averages			~~6507336.0000~~ 6.18740
%RSD			~~15.15~~ 1.26

000096

CALIBRATION FACTORS and RSD SUMMARY

STANDARD: IndB3 INSTRUMENT: HP13 SEQUENCE: 185

DATA FILE NAME	Sample Name	Sample Number	TCX CALIBRATION FACTOR	a-BHC CALIBRATION FACTOR	b-BHC CALIBRATION FACTOR	d-BHC CALIBRATION FACTOR
185B008.	INDB-1	INDB-1	6949187.5000	7418013.5000	4813850.0000	5879700.0000
185B009.	INDB-2	INDB-2	6330965.5000	6308960.5000	3916600.0000	4955040.0000
185B010.	INDB-3	INDB-3	5756488.0000	5734440.0000	3618970.2500	4600420.5000
185B011.	INDB-4	INDB-4	6192140.5000	5801480.5000	3583939.0000	4893705.5000
185B012.	INDB-5	INDB-5	6191288.0000	6816800.5000	3717319.2500	6039790.0000
Averages			6284014.0000	6415939.0000	3930135.7500	5273731.0000
%RSD			6.85	11.07	12.99	12.19

DATA FILE NAME	Sample Name	Sample Number	g-CHLORDANE CALIBRATION FACTOR	a-CHLORDANE CALIBRATION FACTOR	p,p-DDE CALIBRATION FACTOR	ENDRIN CALIBRATION FACTOR
185B008.	INDB-1	INDB-1	7440700.0000	7581200.0000	5220000.0000	5266100.0000
185B009.	INDB-2	INDB-2	5996880.0000	6122440.0000	4353240.0000	4360715.0000
185B010.	INDB-3	INDB-3	5272980.5000	5457630.5000	3932180.2500	3881317.7500
185B011.	INDB-4	INDB-4	5164029.0000	5349926.5000	4040095.2500	3729090.2500
185B012.	INDB-5	INDB-5	5571850.0000	5832865.5000	4520417.5000	4091060.0000
Averages			5889288.0000	6068812.5000	4413186.5000	4265656.5000
%RSD			15.71	14.82	11.54	14.24

DATA FILE NAME	Sample Name	Sample Number	p,p-DDD CALIBRATION FACTOR	ENDOSULF.SULFATE CALIBRATION FACTOR	DIBUTYLCHLORENDATE CALIBRATION FACTOR	ENDRIN KETONE CALIBRATION FACTOR
185B008.	INDB-1	INDB-1	3474150.0000	4700275.0000	3375028.2500	5726725.0000
185B009.	INDB-2	INDB-2	3320645.2500	3900241.5000	3036596.5000	4676710.5000
185B010.	INDB-3	INDB-3	3028411.5000	3496764.5000	2756724.0000	4341840.5000
185B011.	INDB-4	INDB-4	2702674.7500	3515390.2500	3036941.2500	4435755.0000
185B012.	INDB-5	INDB-5	3324371.5000	3897071.5000	3252814.0000	4895987.0000
Averages			3170050.5000	3901948.5000	3091620.7500	4815403.5000
%RSD			9.69	12.50	7.66	11.49

STANDARD: INDA INSTRUMENT: HP1B SEQUENCES: 1 186
COLUMN: HP1 + 0.53mm.

TCX

DATA FILE NAME	Sample Name	Sample Number	AREA (SAMPLE)	PERCENT DIFFERENCE | AREA#1 - AREA#2 | / #1 X 100
185b004.	INDA-3	INDA-3	283413.5000	
186b048.	INDA-3	INDA-3	298450.5000	5.3
Averages			290932.0000	
%RSD			3.66	

g-BHC (LINDANE)

DATA FILE NAME	Sample Name	Sample Number	AREA (SAMPLE)	PERCENT DIFFERENCE | AREA#1 - AREA#2 | / #1 X 100
185b004.	INDA-3	INDA-3	64751.4688	
186b048.	INDA-3	INDA-3	67659.5000	4.5
Averages			66205.4844	
%RSD			3.11	

HEPTACHLOR

DATA FILE NAME	Sample Name	Sample Number	AREA (SAMPLE)	PERCENT DIFFERENCE | AREA#1 - AREA#2 | / #1 X 100
185b004.	INDA-3	INDA-3	127923.5000	
186b048.	INDA-3	INDA-3	141044.2500	10.2
Averages			134483.8750	
%RSD			6.90	

ALDRIN

DATA FILE NAME	Sample Name	Sample Number	AREA (SAMPLE)	PERCENT DIFFERENCE | AREA#1 - AREA#2 | / #1 X 100
185b004.	INDA-3	INDA-3	112757.7500	
186b048.	INDA-3	INDA-3	111535.0000	1.2
Averages			112146.3750	
%RSD			0.77	

HEPT. EPOX.

DATA FILE NAME	Sample Name	Sample Number	AREA (SAMPLE)	PERCENT DIFFERENCE | AREA#1 - AREA#2 | / #1 X 100
185b004.	INDA-3	INDA-3	119441.2500	
186b048.	INDA-3	INDA-3	116621.0000	2.3
Averages			118031.1250	
%RSD			1.69	

ENDO I

DATA FILE NAME	Sample Name	Sample Number	AREA (SAMPLE)	PERCENT DIFFERENCE | AREA#1 - AREA#2 | / #1 X 100
185b004.	INDA-3	INDA-3	110954.2813	
186b048.	INDA-3	INDA-3	105915.0000	4.6
Averages			108434.6406	
%RSD			3.29	

DIELDRIN

DATA FILE NAME	Sample Name	Sample Number	AREA (SAMPLE)	PERCENT DIFFERENCE | AREA#1 - AREA#2 | / #1 X 100
185b004.	INDA-3	INDA-3	106100.9688	
186b048.	INDA-3	INDA-3	102430.0000	3.5
Averages			104265.4844	
%RSD			2.49	

ENDO II

DATA FILE NAME	Sample Name	Sample Number	AREA (SAMPLE)	PERCENT DIFFERENCE | AREA#1 - AREA#2 | / #1 X 100
185b004.	INDA-3	INDA-3	175863.6250	
186b048.	INDA-3	INDA-3	165052.5000	6.2
Averages			170458.0625	
%RSD			4.49	

p,p-DDE

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

000098

DATA FILE NAME	Sample Name	Sample Number	AREA (SAMPLE)	PERCENT DIFFERENCE | AREA#1 - AREA#2 | / #1 X 100
185b004.	INDA-3	INDA-3	147542.1875	
186b048.	INDA-3	INDA-3	14[illegible]2.5000	
Averages			1[illegible]7.3438	
%RSD			0.47	

ENDRIN ALDEHYDE

DATA FILE NAME	Sample Name	Sample Number	AREA (SAMPLE)	PERCENT DIFFERENCE | AREA#1 - AREA#2 | / #1 X 100
185b004.	INDA-3	INDA-3	169433.9375	3.8
186b048.	INDA-3	INDA-3	162911.0625	
Averages			166172.5000	
%RSD			2.78	

DIBUTYLCHLORENDATE

DATA FILE NAME	Sample Name	Sample Number	AREA (SAMPLE)	PERCENT DIFFERENCE | AREA#1 - AREA#2 | / #1 X 100
185b004.	INDA-3	INDA-3	271003.2500	8.5
186b048.	INDA-3	INDA-3	247904.7500	
Averages			259454.0000	
%RSD			6.30	

METHOXYCHLOR

DATA FILE NAME	Sample Name	Sample Number	AREA (SAMPLE)	PERCENT DIFFERENCE | AREA#1 - AREA#2 | / #1 X 100
185b004.	INDA-3	INDA-3	356901.1250	19.1
186b048.	INDA-3	INDA-3	424911.7500	
Averages			390906.4375	
%RSD			12.30	

DCB

DATA FILE NAME	Sample Name	Sample Number	AREA (SAMPLE)	PERCENT DIFFERENCE | AREA#1 - AREA#2 | / #1 X 100
185b004.	INDA-3	INDA-3	284524.0000	9.8
186b048.	INDA-3	INDA-3	256681.0000	
Averages			270602.5000	
%RSD			7.28	

STANDARD AREA ... DURATION

STANDARD: INDB INSTRUMENT: HP1B SEQUENCES: 185 186
COLUMN: HP-5+

TCX

DATA FILE NAME	Sample Name	Sample Number	AREA (SAMPLE)	PERCENT DIFFERENCE | AREA#1 - AREA#2 | / #1 X 100
185b010.	INDB-3	INDB-3	314286.0000	4.8
186b049.	INDB-3	INDB-3	329281.7500	
Averages			321783.8750	
%RSD			3.30	

a-BHC

DATA FILE NAME	Sample Name	Sample Number	AREA (SAMPLE)	PERCENT DIFFERENCE | AREA#1 - AREA#2 | / #1 X 100
185b010.	INDB-3	INDB-3	71680.5000	2.6
186b049.	INDB-3	INDB-3	73569.5000	
Averages			72625.0000	
%RSD			1.84	

b-BHC

DATA FILE NAME	Sample Name	Sample Number	AREA (SAMPLE)	PERCENT DIFFERENCE | AREA#1 - AREA#2 | / #1 X 100
185b010.	INDB-3	INDB-3	90474.2500	.05
186b049.	INDB-3	INDB-3	90520.7500	
Averages			90497.5000	
%RSD			0.04	

d-BHC

DATA FILE NAME	Sample Name	Sample Number	AREA (SAMPLE)	PERCENT DIFFERENCE | AREA#1 - AREA#2 | / #1 X 100
185b010.	INDB-3	INDB-3	115010.5000	6.5
186b049.	INDB-3	INDB-3	122524.5000	
Averages			118767.5000	
%RSD			4.47	

g-CHLORDANE

DATA FILE NAME	Sample Name	Sample Number	AREA (SAMPLE)	PERCENT DIFFERENCE | AREA#1 - AREA#2 | / #1 X 100
185b010.	INDB-3	INDB-3	131824.5000	4.0
186b049.	INDB-3	INDB-3	126583.5000	
Averages			129204.0000	
%RSD			2.87	

a-CHLORDANE

DATA FILE NAME	Sample Name	Sample Number	AREA (SAMPLE)	PERCENT DIFFERENCE | AREA#1 - AREA#2 | / #1 X 100
185b010.	INDB-3	INDB-3	136440.7500	4.7
186b049.	INDB-3	INDB-3	130076.0000	
Averages			133258.3750	
%RSD			3.38	

p,p-DDE

DATA FILE NAME	Sample Name	Sample Number	AREA (SAMPLE)	PERCENT DIFFERENCE | AREA#1 - AREA#2 | / #1 X 100
185b010.	INDB-3	INDB-3	98304.5000	1.3
186b049.	INDB-3	INDB-3	99574.5000	
Averages			98939.5000	
%RSD			0.91	

ENDRIN

DATA FILE NAME	Sample Name	Sample Number	AREA (SAMPLE)	PERCENT DIFFERENCE | AREA#1 - AREA#2 | / #1 X 100
185b010.	INDB-3	INDB-3	97032.9375	7.1
186b049.	INDB-3	INDB-3	90138.7500	
Averages			93585.8438	
%RSD			5.21	

p,p-DDD

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

000100

DATA FILE NAME	Sample Name	Sample Number	AREA (SAMPLE)	PERCENT DIFFERENCE | AREA#1 - AREA#2 | / #1 X 100
185b010.	INDB-3	INDB-3	151420.5625	7.7
186b049.	INDB-3	INDB-3	5.5000	
Averages			145568.0313	
%RSD			5.69	

ENDOSULF.SULFATE

DATA FILE NAME	Sample Name	Sample Number	AREA (SAMPLE)	PERCENT DIFFERENCE | AREA#1 - AREA#2 | / #1 X 100
185b010.	INDB-3	INDB-3	174838.2188	5.8
186b049.	INDB-3	INDB-3	164775.5313	
Averages			169806.8750	
%RSD			4.19	

DIBUTYLCHLORENDATE

DATA FILE NAME	Sample Name	Sample Number	AREA (SAMPLE)	PERCENT DIFFERENCE | AREA#1 - AREA#2 | / #1 X 100
185b010.	INDB-3	INDB-3	296964.2500	9.4
186b049.	INDB-3	INDB-3	268971.0000	
Averages			282967.6250	
%RSD			7.00	

ENDRIN KETONE

DATA FILE NAME	Sample Name	Sample Number	AREA (SAMPLE)	PERCENT DIFFERENCE | AREA#1 - AREA#2 | / #1 X 100
185b010.	INDB-3	INDB-3	217092.0000	8.5
186b049.	INDB-3	INDB-3	198548.5000	
Averages			207820.2500	
%RSD			6.31	

DCB

DATA FILE NAME	Sample Name	Sample Number	AREA (SAMPLE)	PERCENT DIFFERENCE | AREA#1 - AREA#2 | / #1 X 100
185b010.	INDB-3	INDB-3	313792.5000	10.2
186b049.	INDB-3	INDB-3	281852.5000	
Averages			297822.5000	
%RSD			7.58	

STANDARD AREA %D SUMMARY

STANDARD: INDA INSTRUMENT: HP1 B SEQUENCES: 185 186
COLUMN: HP-5o+

TCX

DATA FILE NAME	Sample Name	Sample Number	AREA (SAMPLE)	PERCENT DIFFERENCE | AREA#1 - AREA#2 | / #1 X 100
185b004.	INDA-3	INDA-3	283413.5000	
186b062.	INDA-3	INDA-3	301655.5000	6.4
Averages			292534.5000	
%RSD			4.41	

g-BHC (LINDANE)

DATA FILE NAME	Sample Name	Sample Number	AREA (SAMPLE)	PERCENT DIFFERENCE | AREA#1 - AREA#2 | / #1 X 100
185b004.	INDA-3	INDA-3	64751.4688	
186b062.	INDA-3	INDA-3	69285.5000	7.0
Averages			67018.4844	
%RSD			4.78	

HEPTACHLOR

DATA FILE NAME	Sample Name	Sample Number	AREA (SAMPLE)	PERCENT DIFFERENCE | AREA#1 - AREA#2 | / #1 X 100
185b004.	INDA-3	INDA-3	127923.5000	
186b062.	INDA-3	INDA-3	156645.0000	22.4 *
Averages			142284.2500	
%RSD			14.27	

ALDRIN

DATA FILE NAME	Sample Name	Sample Number	AREA (SAMPLE)	PERCENT DIFFERENCE | AREA#1 - AREA#2 | / #1 X 100
185b004.	INDA-3	INDA-3	112757.7500	
186b062.	INDA-3	INDA-3	115773.2500	2.7
Averages			114265.5000	
%RSD			1.87	

HEPT. EPOX.

DATA FILE NAME	Sample Name	Sample Number	AREA (SAMPLE)	PERCENT DIFFERENCE | AREA#1 - AREA#2 | / #1 X 100
185b004.	INDA-3	INDA-3	119441.2500	
186b062.	INDA-3	INDA-3	126746.0000	6.1
Averages			123093.6250	
%RSD			4.20	

ENDO I

DATA FILE NAME	Sample Name	Sample Number	AREA (SAMPLE)	PERCENT DIFFERENCE | AREA#1 - AREA#2 | / #1 X 100
185b004.	INDA-3	INDA-3	110954.2813	
186b062.	INDA-3	INDA-3	113599.7500	2.4
Averages			112277.0156	
%RSD			1.67	

DIELDRIN

DATA FILE NAME	Sample Name	Sample Number	AREA (SAMPLE)	PERCENT DIFFERENCE | AREA#1 - AREA#2 | / #1 X 100
185b004.	INDA-3	INDA-3	106100.9688	
186b062.	INDA-3	INDA-3	108924.0000	2.7
Averages			107512.4844	
%RSD			1.86	

ENDO II

DATA FILE NAME	Sample Name	Sample Number	AREA (SAMPLE)	PERCENT DIFFERENCE | AREA#1 - AREA#2 | / #1 X 100
185b004.	INDA-3	INDA-3	175863.6250	
186b062.	INDA-3	INDA-3	178346.0000	1.4
Averages			177104.8125	
%RSD			0.99	

000108

p,p-DDT

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

DATA FILE NAME	Sample Name	Sample Number	AREA (SAMPLE)	
185b004.	INDA-3	INDA-3	2.1875	
186b062.	INDA-3	INDA-3	9.0000	8.9
Averages			154130.5938	
%RSD			6.05	

ENDRIN ALDEHYDE

DATA FILE NAME	Sample Name	Sample Number	AREA (SAMPLE)	PERCENT DIFFERENCE | AREA#1 - AREA#2 | / #1 X 100
185b004.	INDA-3	INDA-3	169433.9375	
186b062.	INDA-3	INDA-3	173750.8125	2.5
Averages			171592.3750	
%RSD			1.78	

DIBUTYLCHLORENDATE

DATA FILE NAME	Sample Name	Sample Number	AREA (SAMPLE)	PERCENT DIFFERENCE | AREA#1 - AREA#2 | / #1 X 100
185b004.	INDA-3	INDA-3	271003.2500	
186b062.	INDA-3	INDA-3	271101.7500	.04
Averages			271052.5000	
%RSD			0.03	

METHOXYCHLOR

DATA FILE NAME	Sample Name	Sample Number	AREA (SAMPLE)	PERCENT DIFFERENCE | AREA#1 - AREA#2 | / #1 X 100
185b004.	INDA-3	INDA-3	356901.1250	
186b062.	INDA-3	INDA-3	519694.4375	45.6 *
Averages			438297.7813	
%RSD			26.26	

Closing calibration

DCB

DATA FILE NAME	Sample Name	Sample Number	AREA (SAMPLE)	PERCENT DIFFERENCE | AREA#1 - AREA#2 | / #1 X 100
185b004.	INDA-3	INDA-3	284524.0000	
186b062.	INDA-3	INDA-3	273667.0000	3.8
Averages			279095.5000	
%RSD			2.75	

~~* Quantitate from ChA~~

Apr/29/91

RT WINDOW SUMMARY REPORT

STANDARD: INDA INSTRUMENT: HP/A SEQUENCE: 182

File Name	Sample Name	Sample Number	TCX RT (actual)	TCX RT WINDOW FROM	TCX RT WINDOW TO	g-BHC (LINDANE) RT (actual)	g-BHC (LINDANE) RT WINDOW FROM	g-BHC (LINDANE) RT WINDOW TO
182a079.	INDA-3	INDA-3	6.55	6.48	6.62	10.67	10.60	10.74
Averages			6.55	6.48	6.62	-------	------	------

File Name	Sample Name	Sample Number	HEPTACHLOR RT (actual)	HEPTACHLOR RT WINDOW FROM	HEPTACHLOR RT WINDOW TO	ALDRIN RT (actual)	ALDRIN RT WINDOW FROM	ALDRIN RT WINDOW TO
182a079.	INDA-3	INDA-3	11.49	11.42	11.56	11.45	11.38	11.52
Averages			-------	------	------	-------	------	------

File Name	Sample Name	Sample Number	HEPT. EPOX. RT (actual)	HEPT. EPOX. RT WINDOW FROM	HEPT. EPOX. RT WINDOW TO	ENDO I RT (actual)	ENDO I RT WINDOW FROM	ENDO I RT WINDOW TO
182a079.	INDA-3	INDA-3	14.63	14.56	14.70	15.57	15.50	15.64
Averages			14.63	14.56	14.70	15.57	15.50	15.64

File Name	Sample Name	Sample Number	DIELDRIN RT (actual)	DIELDRIN RT WINDOW FROM	DIELDRIN RT WINDOW TO	ENDO II RT (actual)	ENDO II RT WINDOW FROM	ENDO II RT WINDOW TO
182a079.	INDA-3	INDA-3	16.76	16.69	16.83	18.94	18.87	19.01
Averages			16.76	16.69	16.83	18.94	18.87	19.01

File Name	Sample Name	Sample Number	p,p-DDT RT (actual)	p,p-DDT RT WINDOW FROM	p,p-DDT RT WINDOW TO	ENDRIN ALDEHYDE RT (actual)	ENDRIN ALDEHYDE RT WINDOW FROM	ENDRIN ALDEHYDE RT WINDOW TO
182a079.	INDA-3	INDA-3	19.35	19.28	19.42	20.22	20.15	20.29
Averages			19.35	19.28	19.42	20.22	20.15	20.29

File Name	Sample Name	Sample Number	METHOXYCHLOR RT (actual)	METHOXYCHLOR RT WINDOW FROM	METHOXYCHLOR RT WINDOW TO	DIBUTYLCHLORENDATE RT (actual)	DIBUTYLCHLORENDATE RT WINDOW FROM	DIBUTYLCHLORENDATE RT WINDOW TO
182a079.	INDA-3	INDA-3	24.29	24.22	24.36	21.54	21.47	21.61
Averages			-------	------	------	21.54	21.47	21.61

File Name	Sample Name	Sample Number	DCB RT (actual)	DCB RT WINDOW FROM	DCB RT WINDOW TO
182a079.	INDA-3	INDA-3	26.06	25.99	26.13
Averages			26.06	25.99	26.13

000104

RT WINDOW SUMMARY REPORT

STANDARD: FMA INSTRUMENT: HP1B SEQUENCE: 182

File Name	Sample Name	Sample Number	TCX RT (actual)	TCX RT WINDOW FROM	TCX RT WINDOW TO	g-BHC (LINDANE) RT (actual)	g-BHC (LINDANE) RT WINDOW FROM	g-BHC (LINDANE) RT WINDOW TO
182b079.	INDA-3	INDA-3	7.35	7.28	7.42	11.19	11.12	11.26
Averages			7.35	7.28	7.42	11.19	11.12	11.26

File Name	Sample Name	Sample Number	HEPTACHLOR RT (actual)	HEPTACHLOR RT WINDOW FROM	HEPTACHLOR RT WINDOW TO	ALDRIN RT (actual)	ALDRIN RT WINDOW FROM	ALDRIN RT WINDOW TO
182b079.	INDA-3	INDA-3	12.39	12.32	12.46	13.57	13.50	13.64
Averages			12.39	12.32	12.46	13.57	13.50	13.64

File Name	Sample Name	Sample Number	HEPT. EPOX. RT (actual)	HEPT. EPOX. RT WINDOW FROM	HEPT. EPOX. RT WINDOW TO	ENDO I RT (actual)	ENDO I RT WINDOW FROM	ENDO I RT WINDOW TO
182b079.	INDA-3	INDA-3	15.56	15.49	15.63	16.80	16.73	16.87
Averages			15.56	15.49	15.63	16.80	16.73	16.87

File Name	Sample Name	Sample Number	DIELDRIN RT (actual)	DIELDRIN RT WINDOW FROM	DIELDRIN RT WINDOW TO	ENDO II RT (actual)	ENDO II RT WINDOW FROM	ENDO II RT WINDOW TO
182b079.	INDA-3	INDA-3	17.86	17.79	17.93	19.75	19.68	19.82
Averages			17.86	17.79	17.93	19.75	19.68	19.82

File Name	Sample Name	Sample Number	p,p-DDT RT (actual)	p,p-DDT RT WINDOW FROM	p,p-DDT RT WINDOW TO	ENDRIN ALDEHYDE RT (actual)	ENDRIN ALDEHYDE RT WINDOW FROM	ENDRIN ALDEHYDE RT WINDOW TO
182b079.	INDA-3	INDA-3	20.55	20.48	20.62	20.87	20.80	20.94
Averages			20.55	20.48	20.62	20.87	20.80	20.94

File Name	Sample Name	Sample Number	DIBUTYLCHLORENDATE RT (actual)	DIBUTYLCHLORENDATE RT WINDOW FROM	DIBUTYLCHLORENDATE RT WINDOW TO	METHOXYCHLOR RT (actual)	METHOXYCHLOR RT WINDOW FROM	METHOXYCHLOR RT WINDOW TO
182b079.	INDA-3	INDA-3	22.29	22.22	22.36	23.64	23.57	23.71
Averages			22.29	22.22	22.36	23.64	23.57	23.71

File Name	Sample Name	Sample Number	DCB RT (actual)	DCB RT WINDOW FROM	DCB RT WINDOW TO
182b079.	INDA-3	INDA-3	30.73	30.66	30.80
Averages			30.73	30.66	30.80

RT WINDOW SUMMARY REPORT

STANDARD: 1NDB INSTRUMENT: HP/A SEQUENCE: 182

File Name	Sample Name	Sample Number	TCX RT (actual)	TCX RT WINDOW FROM	TCX RT WINDOW TO	a-BHC RT (actual)	a-BHC RT WINDOW FROM	a-BHC RT WINDOW TO
182a080.	INDB-3	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 RT (actual)	b-BHC RT WINDOW FROM	b-BHC RT WINDOW TO	d-BHC RT (actual)	d-BHC RT WINDOW FROM	d-BHC RT WINDOW TO
182a080.	INDB-3	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 RT (actual)	g-CHLORDANE RT WINDOW FROM	g-CHLORDANE RT WINDOW TO	a-CHLORDANE RT (actual)	a-CHLORDANE RT WINDOW FROM	a-CHLORDANE RT WINDOW TO
182a080.	INDB-3	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 RT (actual)	p,p-DDE RT WINDOW FROM	p,p-DDE RT WINDOW TO	ENDRIN RT (actual)	ENDRIN RT WINDOW FROM	ENDRIN RT WINDOW TO
182a080.	INDB-3	INDB-3	16.26	16.19	16.33	17.44	17.37	17.51
Averages			16.26	16.19	16.33	17.44	17.37	17.51

File Name	Sample Name	Sample Number	p,p-DDD RT (actual)	p,p-DDD RT WINDOW FROM	p,p-DDD RT WINDOW TO	ENDOSULF.SULFATE RT (actual)	ENDOSULF.SULFATE RT WINDOW FROM	ENDOSULF.SULFATE RT WINDOW TO
182a080.	INDB-3	INDB-3	18.77	18.70	18.84	21.20	21.13	21.27
Averages			18.77	18.70	18.84	21.20	21.13	21.27

File Name	Sample Name	Sample Number	DIBUTYLCHLORENDATE RT (actual)	DIBUTYLCHLORENDATE RT WINDOW FROM	DIBUTYLCHLORENDATE RT WINDOW TO	ENDRIN KETONE RT (actual)	ENDRIN KETONE RT WINDOW FROM	ENDRIN KETONE RT WINDOW TO
182a080.	INDB-3	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)	DCB RT WINDOW FROM	DCB RT WINDOW TO
182a080.	INDB-3	INDB-3	26.06	25.99	26.13
Averages			26.06	25.99	26.13

000106

RT WINDOW SUMMARY REPORT

STANDARD: 1 MIX B INSTRUMENT: 4P13 SEQUENCE: 182

File Name	Sample Name	Sample Number	TCX RT (actual)	TCX RT WINDOW FROM	TCX RT WINDOW TO	a-BHC RT (actual)	a-BHC RT WINDOW FROM	a-BHC RT WINDOW TO
~~182b079. INDA-3~~		~~INDA-3~~	~~7.35~~	~~7.28~~	~~7.42~~	-------	------	------
182b080. INDB-3		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 RT (actual)	b-BHC RT WINDOW FROM	b-BHC RT WINDOW TO	d-BHC RT (actual)	d-BHC RT WINDOW FROM	d-BHC RT WINDOW TO
~~182b079. INDA-3~~		~~INDA-3~~	11.49	11.42	11.56	-------	------	------
182b080. INDB-3		INDB-3	11.46	11.39	11.53	12.77	12.70	12.84
Averages			11.47	11.40	11.54	12.77	12.70	12.84

File Name	Sample Name	Sample Number	g-CHLORDANE RT (actual)	g-CHLORDANE RT WINDOW FROM	g-CHLORDANE RT WINDOW TO	a-CHLORDANE RT (actual)	a-CHLORDANE RT WINDOW FROM	a-CHLORDANE RT WINDOW TO
182b079. INDA-3		INDA-3	-------	------	------	-------	------	------
182b080. INDB-3		INDB-3	16.14	16.07	16.21	16.70	16.63	16.77
Averages			16.14	16.07	16.21	16.70	16.63	16.77

File Name	Sample Name	Sample Number	p,p-DDE RT (actual)	p,p-DDE RT WINDOW FROM	p,p-DDE RT WINDOW TO	ENDRIN RT (actual)	ENDRIN RT WINDOW FROM	ENDRIN RT WINDOW TO
182b079. INDA-3		INDA-3	-------	------	------	-------	------	------
182b080. INDB-3		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 RT (actual)	p,p-DDD RT WINDOW FROM	p,p-DDD RT WINDOW TO	ENDOSULF.SULFATE RT (actual)	ENDOSULF.SULFATE RT WINDOW FROM	ENDOSULF.SULFATE RT WINDOW TO
182b079. INDA-3		INDA-3	-------	------	------	~~21.29~~	~~21.22~~	~~21.36~~
182b080. INDB-3		INDB-3	19.51	19.44	19.58	21.31	21.24	21.38
Averages			19.51	19.44	19.58	21.30	21.23	21.37

File Name	Sample Name	Sample Number	DIBUTYLCHLORENDATE RT (actual)	DIBUTYLCHLORENDATE RT WINDOW FROM	DIBUTYLCHLORENDATE RT WINDOW TO	ENDRIN KETONE RT (actual)	ENDRIN KETONE RT WINDOW FROM	ENDRIN KETONE RT WINDOW TO
~~182b079. INDA-3~~		~~INDA-3~~	~~22.29~~	~~22.22~~	~~22.36~~	~~24.17~~	~~24.10~~	~~24.24~~
182b080. INDB-3		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)	DCB RT WINDOW FROM	DCB RT WINDOW TO
~~182b079. INDA-3~~		~~INDA-3~~	30.73	~~30.66~~	~~30.80~~
182b080. INDB-3		INDB-3	30.74	30.67	30.81
Averages			30.74	30.67	30.81

000107

Herbicide Data

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:	2263322
EXTRACTION DATE:	12/05/94	DIL FACTOR:	1.00
ANALYSIS DATE:	12/10/94	% MOISTURE:	NA

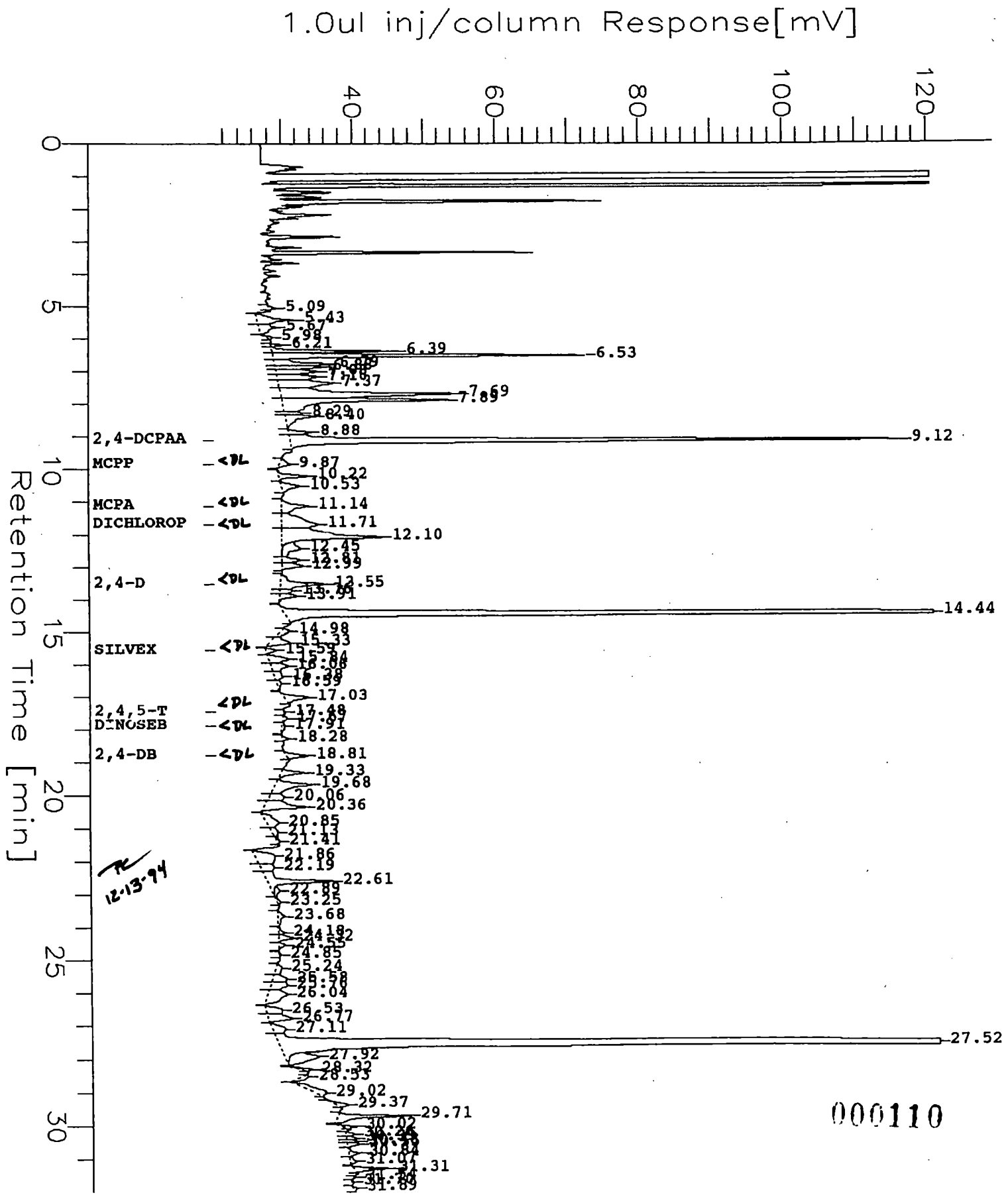
UG/L

CMPD #	CAS Number	HERBICIDE COMPOUND	
1	94-75-7	2,4-D	1.0 U
2	93-71-1	2,4,5-TP (Silvex)	0.10 U
3	93-76-5	2,4,5-T	0.10 U
4	94-82-6	2,4-DB	2.0 U
5	75-99-0	Dalapon	2.5 U
6	1918-00-9	Dicamba	0.10 U
7	88-85-7	Dinoseb	0.50 U
8	120-36-5	2,4-DP (Dichloroprop)	1.0 U
9	94-74-6	MCPA	250 U
10	93-65-2	MCPP	250 U

H5880B DB-1701 0.53mm 1000/10 8150

Sample Name : 22633-22
FileName : c:\2700\data0\187B039.raw
Method : 5890h.ins
Start Time : 0.00 min End Time : 32.00 min
Scale Factor: -1 Plot Offset: 21 mV

Sample #: 2044-1 Page 1 of 1
Date : 12/12/94 14:45
Time of Injection: 12/10/94 10:04
Low Point : 20.52 mV High Point : 120.52 mV
Plot Scale: 100 mV



12-13-94

000110

Software Version: 3.2 <16C20>
Sample Name : 22633-22 Time : 12/12/94 14:45
Sample Number: 2044-1 Study : ~~A. 22521 11/15~~ 22633 12/5
Operator : PATRICK

TC 12-13-94

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 10:04
Delay Time : 0.00 min.
End Time : 32.00 min.
Sampling Rate : 2.0000 pts/sec

Raw Data File : c:\2700\data0\187B039.raw
Result File : c:\2700\data0\187B039.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 : 1000.0000 Dilution Factor : 1.00

HERBICIDE REPORT HP-50+

HP1-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
2	5.43	45485	5366	BV	1000000	0.0455	0.455			
3	5.67	27810	2529	VB	1000000	0.0278	0.278			
4	5.98	5134	789	BB	1000000	0.0051	0.051			
5	6.21	5400	1706	BV	1000000	0.0054	0.054			
6	6.39	82936	17849	VV	1000000	0.0829	0.829			
7	6.53	218621	44237	VV	1000000	0.2186	2.186			
8	6.79	53992	7862	VV	1000000	0.0540	0.540			
9	6.88	37741	6808	VV	1000000	0.0377	0.377			
10	7.03	43694	5942	VV	1000000	0.0437	0.437			
11	7.18	40444	5804	VV	1000000	0.0404	0.404			
12	7.37	93824	7615	VV	1000000	0.0938	0.938			
13	7.69	216008	25226	VV	1000000	0.2160	2.160			
14	7.89	191405	23607	VV	1000000	0.1914	1.914			
15	8.29	12720	2506	VV	1000000	0.0127	0.127			
16	8.40	40184	4301	VB	1000000	0.0402	0.402			
17	8.88	18965	3153	BV	1000000	0.0190	0.190			
18	9.12	525042	85821	VB	1201976	0.4368	4.368		2,4-DCPAA	44%
19	9.87	13546	1512	BB	2977	4.5502	45.502		MCPP	
20	10.22	25203	4079	BB	1000000	0.0252	0.252			<DL
21	10.53	22000	2602	BB	1000000	0.0220	0.220			
22	11.14	42540	3778	BV	12956	3.2834	32.834		MCPA	
23	11.71	89633	5090	VV	1154868	0.0776	0.776		DICHLOROPROP	
24	12.10	190292	14234	VB	1000000	0.1903	1.903			
25	12.45	36593	2499	BV	1000000	0.0366	0.366			
26	12.81	19549	2618	VV	1000000	0.0196	0.196			
27	12.99	22004	2865	VB	1000000	0.0220	0.220			
28	13.55	61877	6221	BV	1306887	0.0474	0.474		2,4-D	
29	13.76	11073	1749	VV	1000000	0.0111	0.111			
30	13.91	18283	2365	VB	1000000	0.0183	0.183			
31	14.44	1284411	200571	BB	1000000	1.2844	12.844			
32	14.98	15897	1158	BV	1000000	0.0159	0.159			
33	15.33	29401	2870	VB	1000000	0.0294	0.294			
34	15.59	8373	1296	BV	5774568	0.0015	0.015		SILVEX	
35	15.84	27025	2724	VV	1000000	0.0270	0.270			<DL
36	16.06	26961	2291	VV	1000000	0.0270	0.270			
37	16.38	15868	1126	VV	1000000	0.0159	0.159			
38	16.59	6803	614	VB	1000000	0.0068	0.068			
39	17.03	27662	3264	BB	1000000	0.0277	0.277			
41	17.67	4204	607	VV	1000000	0.0042	0.042			
42	17.91	5178	361	VB	3569847	0.0015	0.015		DINOSEB	

000111

43	18.28	4048	689	BB	00000	0.0041	0.041
44	18.81	20389	2834	BB	792254	0.0257	0.257
45	19.33	25292	3337	BV	1000000	0.0253	0.253
46	19.68	61959	5072	VV	1000000	0.0620	0.620
47	20.06	25012	2242	VV	1000000	0.0250	0.250
48	20.36	62617	5975	VB	1000000	0.0626	0.626
49	20.85	31536	1698	BV	1000000	0.0315	0.315
50	21.13	12582	790	VV	1000000	0.0126	0.126
52	21.86	51239	2669	BV	1000000	0.0512	0.512
53	22.19	22858	1887	VV	1000000	0.0229	0.229
54	22.61	89876	9211	VE	1000000	0.0899	0.899
55	22.89	9129	784	EV	1000000	0.0091	0.091
57	23.68	11013	891	BV	1000000	0.0110	0.110
58	24.18	6330	797	VV	1000000	0.0063	0.063
59	24.32	14569	2061	VV	1000000	0.0146	0.146
60	24.55	6756	929	VB	1000000	0.0068	0.068
62	25.24	12412	761	BV	1000000	0.0124	0.124
63	25.58	19691	2012	VV	1000000	0.0197	0.197
64	25.76	29036	2281	VV	1000000	0.0290	0.290
65	26.04	48313	2649	VB	1000000	0.0483	0.483
66	26.53	25556	2241	BV	1000000	0.0256	0.256
67	26.77	35843	3337	VB	1000000	0.0358	0.358
68	27.11	22752	1802	BV	1000000	0.0228	0.228
69	27.52	2577552	354484	VE	1000000	2.5776	25.776
70	27.92	54647	4042	EB	1000000	0.0547	0.547
71	28.32	10338	1576	BB	1000000	0.0103	0.103
72	28.53	9022	942	BB	1000000	0.0090	0.090
73	29.02	32844	1368	BB	1000000	0.0328	0.328
74	29.37	12924	1696	BB	1000000	0.0129	0.129
75	29.71	63032	10395	BB	1000000	0.0630	0.630
76	30.02	7286	1812	BB	1000000	0.0073	0.073
77	30.26	6556	1153	BV	1000000	0.0066	0.066
78	30.39	7213	1346	VV	1000000	0.0072	0.072
79	30.48	6935	1638	VV	1000000	0.0069	0.069
80	30.55	8905	1751	VV	1000000	0.0089	0.089
81	30.84	9399	1440	VV	1000000	0.0094	0.094
82	31.07	6899	798	VB	1000000	0.0069	0.069
83	31.31	24436	4860	BB	1000000	0.0244	0.244
		7150573	963857			14.8080	148.080

-DB < DL

NC=NOT CONFIRMED; CON=CONFIRMED; PREPARED BY... REVIEWED BY...

12-13-94

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:	2263323
EXTRACTION DATE:	12/05/94	DIL FACTOR:	1.00
ANALYSIS DATE:	12/10/94	% MOISTURE:	NA

UG/L

CMPD #	CAS Number	HERBICIDE COMPOUND	
1	94-75-7	2,4-D	1.0 U
2	93-71-1	2,4,5-TP (Silvex)	0.10 U
3	93-76-5	2,4,5-T	0.10 U
4	94-82-6	2,4-DB	2.0 U
5	75-99-0	Dalapon	2.5 U
6	1918-00-9	Dicamba	0.10 U
7	88-85-7	Dinoseb	0.50 U
8	120-36-5	2,4-DP (Dichloroprop)	1.0 U
9	94-74-6	MCPA	250 U
10	93-65-2	MCPP	250 U

H5880B DB-1701 0.53mm

1000/10 8150

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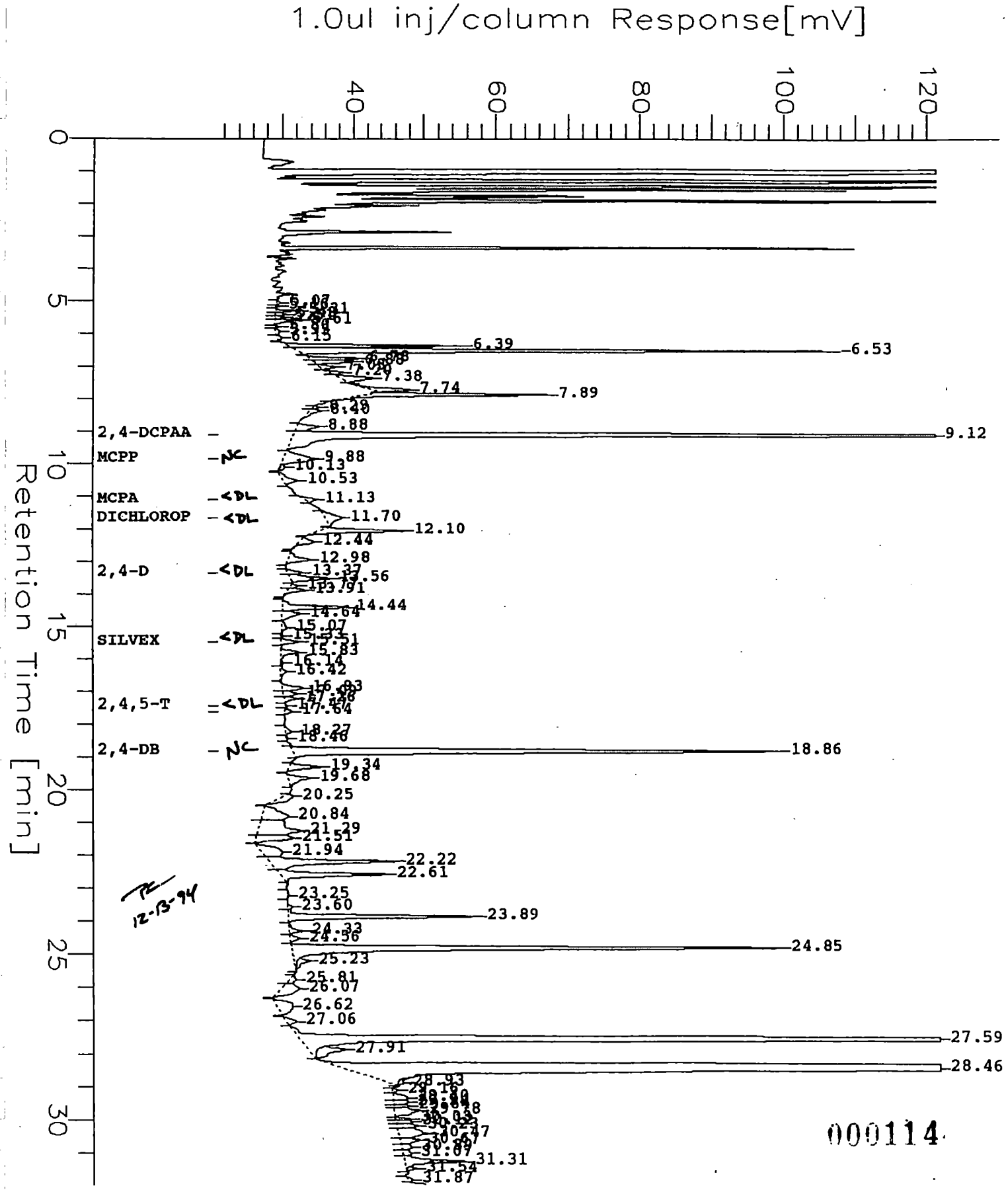
Sample Name : 22633-23
FileName : C:\2700\DATA0\187B040.raw
Method : 5890h.ins
Start Time : 0.00 min End Time : 32.00 min
Scale Factor: -1 Plot Offset: 21 mV

Sample #: 2044-2 Page 1 of 1
Date : 12/13/94 10:44
Time of Injection: 12/10/94 10:44
Low Point : 21.24 mV High Point : 121.24 mV
Plot Scale: 100 mV



12-13-94

000114

Software Version: 3.2 <1[illegible]20>
Sample Name : 22633-23
Sample Number: 2044-2
Operator : PATRICK

Time : 12/13/94 10:44
Study : ~~A. 22521 11/15~~ 22633 12/5

TC 12-13-94

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

Channel : B A/D mV Range : 1000

Interface Serial # : 9161570932 Data Acquisition Time: 12/10/94 10:44
Delay Time : 0.00 min.
End Time : 32.00 min.
Sampling Rate : 2.0000 pts/sec

Raw Data File : C:\2700\DATA0\187B040.raw
Result File : c:\2700\data0\187B040.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
Sample Amount : 1000.0000

Area Reject : 4000.00
Dilution Factor : 1.00

HERBICIDE REPORT HP-50+

HP1-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	5.31	11944	3217	BV	1000000	0.0119	0.119			
4	5.43	6640	1516	VV	1000000	0.0066	0.066			
5	5.51	4759	1236	VV	1000000	0.0048	0.048			
6	5.61	15601	3761	VV	1000000	0.0156	0.156			
8	5.95	4734	595	BV	1000000	0.0047	0.047			
10	6.39	111231	24775	BV	1000000	0.1112	1.112			
11	6.51	352189	76678	VB	1000000	0.3522	3.522			
12	6.78	37027	6933	BV	1000000	0.0370	0.370			
13	6.88	25659	5751	VV	1000000	0.0257	0.257			
14	7.03	11721	2332	VB	1000000	0.0117	0.117			
15	7.20	11809	2119	BV	1000000	0.0118	0.118			
16	7.38	37339	4726	VB	1000000	0.0373	0.373			
17	7.74	38138	5367	BB	1000000	0.0381	0.381			
18	7.89	119934	25559	BB	1000000	0.1199	1.199			
20	8.40	10594	1500	VB	1000000	0.0106	0.106			
21	8.88	23719	2993	BV	1000000	0.0237	0.237			
22	9.12	959813	155756	VV	1201976	0.7985	7.985		2,4-DCPAA 80%	
23	9.88	57501	4410	VE	2977	19.3151	193.151		CDL MCPP NC	
24	10.13	5566	855	EB	1000000	0.0056	0.056			
25	10.53	21211	1962	BB	1000000	0.0212	0.212			
26	11.13	11160	1458	BB	12956	0.8613	8.613		MCPA <DL	
27	11.70	30731	2194	BB	1154868	0.0266	0.266		DICHLOROPROP <DL	
28	12.10	84636	12167	BB	1000000	0.0846	0.846			
29	12.44	17643	1934	BB	1000000	0.0176	0.176			
30	12.98	28249	3062	BB	1000000	0.0283	0.283			
31	13.37	13134	1928	BV	1306887	0.0101	0.101		2,4-D <DL	
32	13.56	41544	5511	VB	1000000	0.0415	0.415			
33	13.77	5311	985	BV	1000000	0.0053	0.053			
34	13.91	17631	2481	VB	1000000	0.0176	0.176			
35	14.44	65279	9040	BV	1000000	0.0653	0.653			
36	14.64	23724	2520	VV	1000000	0.0237	0.237			
37	15.07	8281	679	VV	1000000	0.0083	0.083			
39	15.51	14272	2494	VB	5774568	0.0025	0.025		SILVEX <DL	
40	15.83	19243	2393	BE	1000000	0.0192	0.192			
42	16.42	9031	765	VB	1000000	0.0090	0.090			
43	16.93	22466	2876	BV	1000000	0.0225	0.225			
44	17.09	14249	1961	VV	1000000	0.0143	0.143			
45	17.26	10389	1579	VB	1000000	0.0104	0.104			
47	17.64	6706	931	VB	3569847	0.0019	0.019		DINOSEB <DL	
48	18.27	7122	804	BV	1000000	0.0071	0.071			

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50	18.86	461072	67861	BB	792254	0.5820	5.820	4-DB NC
51	19.34	31078	4433	BB	1000000	0.0311	0.311	
52	19.68	28674	3030	BB	1000000	0.0287	0.287	
53	20.25	21227	1373	BB	1000000	0.0212	0.212	
54	20.84	63704	3705	BV	1000000	0.0637	0.637	
55	21.29	108619	5922	VV	1000000	0.1086	1.086	
56	21.51	55077	5077	VB	1000000	0.0551	0.551	
57	21.94	54495	2901	BV	1000000	0.0545	0.545	
58	22.22	151577	17746	VV	1000000	0.1516	1.516	
59	22.61	104836	15041	VB	1000000	0.1048	1.048	
61	23.60	4965	651	BV	1000000	0.0050	0.050	
62	23.89	169701	26540	VV	1000000	0.1697	1.697	
63	24.33	13915	1794	VB	1000000	0.0139	0.139	
64	24.56	8825	1334	BB	1000000	0.0088	0.088	
65	24.85	526368	68175	BE	1000000	0.5264	5.264	
66	25.23	15646	1641	EB	1000000	0.0157	0.157	
67	25.81	10554	1013	BV	1000000	0.0106	0.106	
68	26.07	45856	2529	VB	1000000	0.0459	0.459	
69	26.62	45646	2154	BB	1000000	0.0457	0.457	
70	27.06	11417	1378	BB	1000000	0.0114	0.114	
71	27.59	2183423	324223	BE	1000000	2.1834	21.834	
72	27.91	42424	4030	EB	1000000	0.0424	0.424	
73	28.46	7653848	916240	BE	1000000	7.6539	76.539	
74	28.93	5594	771	EB	1000000	0.0056	0.056	
75	29.16	4191	882	BV	1000000	0.0042	0.042	
76	29.40	17315	2092	VV	1000000	0.0173	0.173	
77	29.54	16577	2024	VV	1000000	0.0166	0.166	
78	29.64	10491	2166	VV	1000000	0.0105	0.105	
79	29.78	34257	3500	VB	1000000	0.0343	0.343	
80	30.03	9912	2077	BV	1000000	0.0099	0.099	
81	30.12	13049	2308	VV	1000000	0.0131	0.131	
82	30.23	15680	2872	VV	1000000	0.0157	0.157	
83	30.47	56333	4212	VV	1000000	0.0563	0.563	
84	30.67	20974	2670	VV	1000000	0.0210	0.210	
85	30.89	12352	1467	VV	1000000	0.0124	0.124	
86	31.07	10508	1167	VV	1000000	0.0105	0.105	
87	31.31	64700	8485	VE	1000000	0.0647	0.647	
88	31.54	6275	1368	BB	1000000	0.0063	0.063	
89	31.87	4015	579	BB	1000000	0.0040	0.040	
		14433089	1907222			34.4766	344.766	

NC=NOT CONFIRMED; CON=CONFIRMED; PREPARED BY... REVIEWED BY...

Patrick Conley
12-13-94

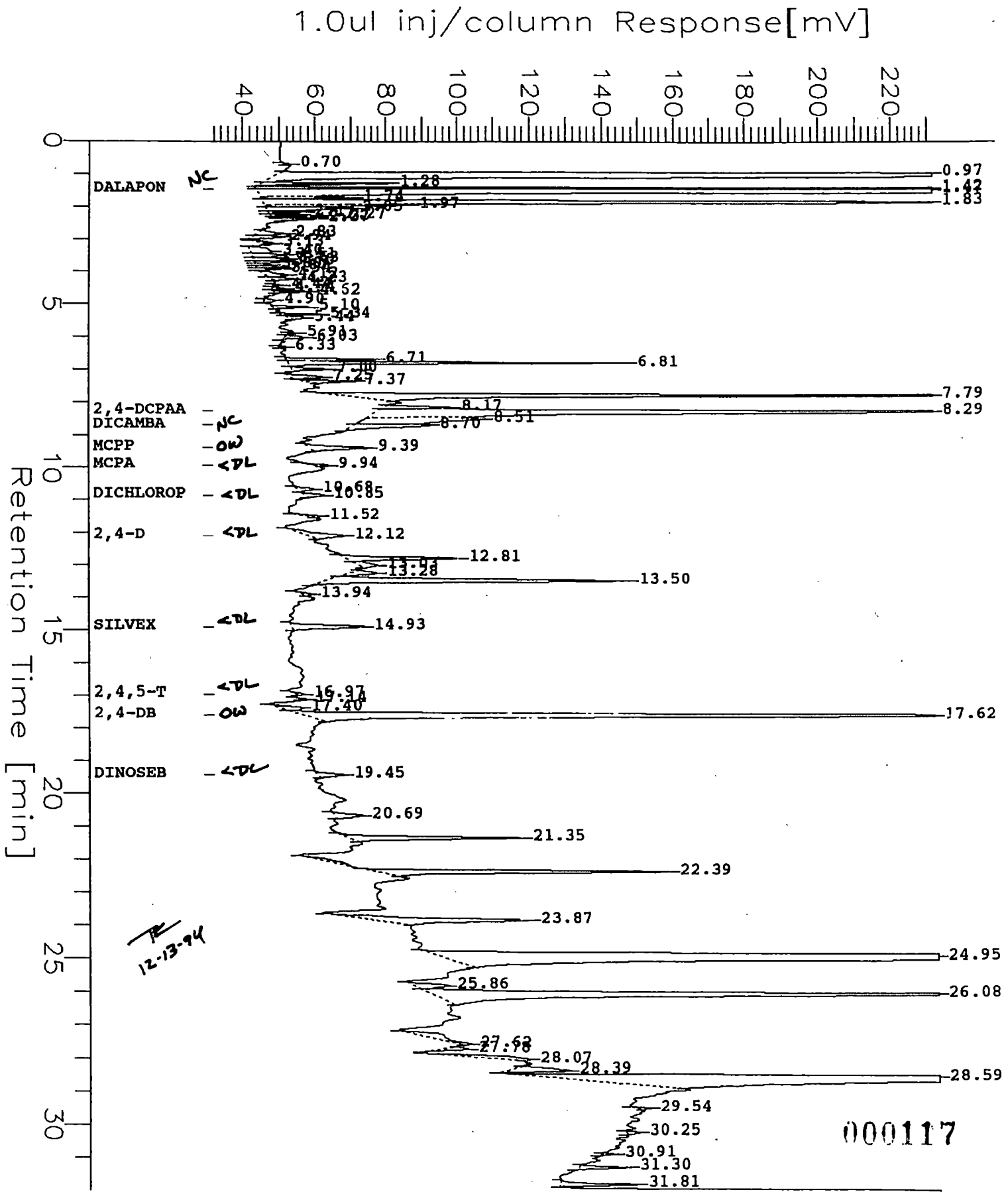
H5880A DB608 0.53ID

1000/10 8150

2

Sample Name : 22633-23
FileName : c:\2700\data0\187A040.raw
Method : 5890h.ins
Start Time : 0.00 min End Time : 32.00 min
Scale Factor: -1 Plot Offset: 32 mV

Sample #: 2044-2
Date : 12/13/94 10:24
Time of Injection: 12/10/94 10:44
Low Point : 31.76 mV High Point : 231.76 mV
Plot Scale: 200 mV



12-13-94

000117

Software Version: 3.2 <i 20>
Sample Name : 22633-23 Time : 12/13/94 10:24
Sample Number: 2044-2 Study : ~~A. 22521 11/15~~
Operator : PATRICK 22633 12/5

TC 12-13-94

Instrument : 970-1:_HP1_(5890) Channel : A A/D mV Range : 1000
AutoSampler : NONE
Rack/Vial : 0/0

Interface Serial # : 9161570932 Data Acquisition Time: 12/10/94 10:44
Delay Time : 0.00 min.
End Time : 32.00 min.
Sampling Rate : 2.0000 pts/sec

Raw Data File : c:\2700\data0\187A040.raw
Result File : c:\2700\data0\187A040.rst
Instrument File: c:\2700\data\5890h.ins
Process File : c:\2700\data\901h.prc
Sample File : c:\2700\data\187A8150.smp
Sequence File : c:\2700\data0\187.seq

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

HERBICIDE REPORT DB-1701

HP1-A DB-1701 30M X 0.53mm ID 120C, 15^C/min, 170C

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	0.97	5268194	901884	BV	1000000	5.2682	52.682			
3	1.28	106247	37263	VB	1000000	0.1063	1.063			
4	1.42	1281893	584647	BV	1000000	1.2819	12.819			
5	1.47	5504661	905407	VE	568220	9.6876	96.876		DALAPON NC	
6	1.74	100962	25879	EV	1000000	0.1010	1.010			
7	1.83	1496493	395655	VE	1000000	1.4965	14.965			
8	1.97	1.4708	40316	EV	1000000	0.1447	1.447			
9	2.05	127047	24374	VV	1000000	0.1271	1.271			
10	2.17	21898	10439	VB	1000000	0.0219	0.219			
11	2.27	47374	18316	BV	1000000	0.0474	0.474			
12	2.32	27466	12179	VV	1000000	0.0275	0.275			
13	2.37	32930	11231	VB	1000000	0.0329	0.329			
14	2.83	45189	8075	BV	1000000	0.0452	0.452			
15	2.94	41976	8012	VB	1000000	0.0420	0.420			
16	3.13	14171	2253	BB	1000000	0.0142	0.142			
17	3.40	64921	6003	BV	1000000	0.0649	0.649			
18	3.51	48218	9439	VV	1000000	0.0482	0.482			
19	3.63	44629	9640	VV	1000000	0.0446	0.446			
20	3.70	32006	8302	VV	1000000	0.0320	0.320			
21	3.80	14826	4278	VV	1000000	0.0148	0.148			
22	3.87	23194	5776	VV	1000000	0.0232	0.232			
23	3.94	23041	6565	VB	1000000	0.0230	0.230			
24	4.12	37352	6448	BV	1000000	0.0374	0.374			
25	4.23	31815	7149	VB	1000000	0.0318	0.318			
26	4.44	5705	2364	BB	1000000	0.0057	0.057			
27	4.54	10589	3681	BB	1000000	0.0106	0.106			
28	4.62	26431	10175	BB	1000000	0.0264	0.264			
29	4.90	15424	2789	BB	1000000	0.0154	0.154			
30	5.10	31944	10257	BB	1000000	0.0319	0.319			
31	5.34	25680	10713	BV	1000000	0.0257	0.257			
32	5.44	19699	4030	VB	1000000	0.0197	0.197			
33	5.91	5714	2573	BB	1000000	0.0057	0.057			
34	6.03	27205	6647	BB	1000000	0.0272	0.272			
35	6.33	4625	1619	BB	1000000	0.0046	0.046			
36	6.71	83235	25489	BV	1000000	0.0832	0.832			
37	6.81	351259	94680	VV	1000000	0.3513	3.513			
38	7.00	34798	10104	VB	1000000	0.0348	0.348			
39	7.25	55243	9347	BB	1000000	0.0552	0.552			
40	7.37	50171	14667	BB	1000000	0.0502	0.502			
41	7.79	1168649	241808	BB	1000000	1.1687	11.687			

42	8.17	89208	19260	BV	1000000	0.0892	0.892	
43	8.29	1536057	270209	VE	1548901	0.9917	9.917	2,4-DCPAA 99 %
44	8.51	336155	35246	EV	1000000	0.3362	3.362	
45	8.70	142975	21736	VB	14972130	0.0096	0.096	DICAMBA NC
46	9.39	101479	16820	BB	5088	19.9448	199.448	MCPP O.W.
47	9.94	17373	3254	BB	6921	2.5102	25.102	MCPA < DL
48	10.68	23172	4390	BB	1000000	0.0232	0.232	
49	10.85	28557	5320	BB	3360966	0.0085	0.085	DICHLOROPROP < DL
50	11.52	14838	2855	BB	1000000	0.0148	0.148	
51	12.12	100886	10090	BB	3967650	0.0254	0.254	2,4-D < DL
52	12.81	192535	31776	BV	1000000	0.1925	1.925	
53	13.03	40455	5314	VB	1000000	0.0405	0.405	
54	13.28	56504	8215	BV	1000000	0.0565	0.565	
55	13.50	545550	84604	VB	1000000	0.5456	5.456	
56	13.94	12079	2150	BB	1000000	0.0121	0.121	
57	14.93	125793	20495	BB	16694000	0.0075	0.075	SILVEX < DL
58	16.97	9306	2126	BB	16593001	0.0006	0.006	2,4,5-T < DL
59	17.14	7604	1822	BB	1000000	0.0076	0.076	
60	17.40	41966	5807	BV	1000000	0.0420	0.420	
61	17.62	1579254	231634	VB	1351000	1.1690	11.690	2,4-DB O.W. ✓
62	19.45	46204	7297	BB	13920578	0.0033	0.033	DINOSEB < DL
63	20.69	50379	8156	BB	1000000	0.0504	0.504	
64	21.35	296817	48667	BB	1000000	0.2968	2.968	
65	22.39	500078	81484	BB	1000000	0.5001	5.001	
66	23.87	361062	43357	BB	1000000	0.3611	3.611	
67	24.95	6602495	856569	BB	1000000	6.6025	66.025	
68	25.86	66161	9229	BV	1000000	0.0662	0.662	
69	26.08	1515237	175863	VB	1000000	1.5152	15.152	
70	27.62	99546	3113	BB	1000000	0.0996	0.996	
71	27.78	31910	7294	BB	1000000	0.0319	0.319	
72	28.07	108746	6468	BB	1000000	0.1088	1.088	
73	28.39	117951	17126	BB	1000000	0.1180	1.180	
74	28.59	6212859	826969	BB	1000000	6.2129	62.129	
75	29.54	11318	3058	BB	1000000	0.0113	0.113	
76	30.25	13432	3736	BB	1000000	0.0134	0.134	
77	30.91	12081	3792	BB	1000000	0.0121	0.121	
78	31.30	61958	14248	BB	1000000	0.0620	0.620	
79	31.81	104242	21700	BB	1000000	0.1042	1.042	
		37711788	6421717			62.8773	628.773	

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12-13-94

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:	2263324
EXTRACTION DATE:	12/05/94	DIL FACTOR:	1.00
ANALYSIS DATE:	12/10/94	% MOISTURE:	NA

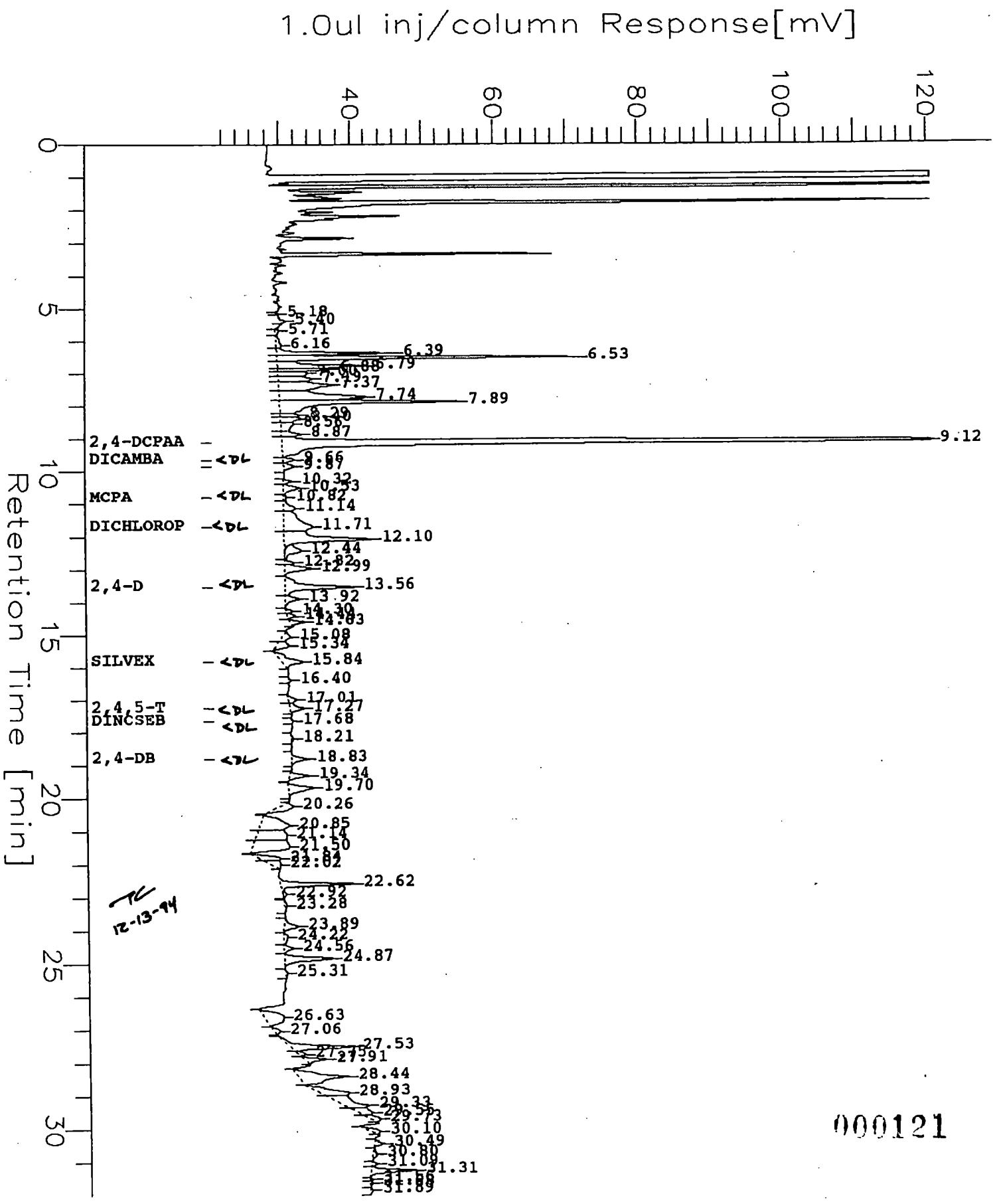
UG/L

CMPD #	CAS Number	HERBICIDE COMPOUND	
1	94-75-7	2,4-D	1.0 U
2	93-71-1	2,4,5-TP (Silvex)	0.10 U
3	93-76-5	2,4,5-T	0.10 U
4	94-82-6	2,4-DB	2.0 U
5	75-99-0	Dalapon	2.5 U
6	1918-00-9	Dicamba	0.10 U
7	88-85-7	Dinoseb	0.50 U
8	120-36-5	2,4-DP (Dichloroprop)	1.0 U
9	94-74-6	MCPA	250 U
10	93-65-2	MCPP	250 U

H5880B DB-1701 0.53. 1000/10 8150

Sample Name : 22633-24
FileName : c:\2700\data0\187B041.raw
Method : 5890h.ins
Start Time : 0.00 min End Time : 32.00 min
Scale Factor: -1 Plot Offset: 21 mV

Sample #: 2044-3 Page 1 of 1
Date : 12/12/94 14:45
Time of Injection: 12/10/94 11:24
Low Point : 20.50 mV High Point : 120.50 mV
Plot Scale: 100 mV



TC 12-13-94

000121

Software Version: 3.2 < C20>
Sample Name : 22633-24 Time : 12/12/94 14:45
Sample Number: 2044-3 Study : ~~A. 22521 11/15~~
Operator : PATRICK 22633 12/5 12-13-94

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 11:24
Delay Time : 0.00 min.
End Time : 32.00 min.
Sampling Rate : 2.0000 pts/sec

Raw Data File : c:\2700\data0\187B041.raw
Result File : c:\2700\data0\187B041.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 : 1000.0000 Dilution Factor : 1.00

HERBICIDE REPORT HP-50+

HP1-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
4	6.16	10980	667	VV	1000000	0.0110	0.110			
5	6.39	81366	16582	VV	1000000	0.0814	0.814			
6	6.53	214500	42380	VV	1000000	0.2145	2.145			
7	6.79	84399	12470	VV	1000000	0.0844	0.844			
8	6.88	37392	7442	VV	1000000	0.0374	0.374			
9	7.00	36966	4146	VV	1000000	0.0370	0.370			
10	7.19	36430	4772	VV	1000000	0.0364	0.364			
11	7.37	90898	7391	VV	1000000	0.0909	0.909			
12	7.74	133572	12299	VV	1000000	0.1336	1.336			
13	7.89	197372	25159	VV	1000000	0.1974	1.974			
14	8.29	16060	2740	VV	1000000	0.0161	0.161			
15	8.40	22947	3011	VV	1000000	0.0230	0.230			
16	8.56	24283	1804	VV	1000000	0.0243	0.243			
17	8.87	23082	2830	VV	1000000	0.0231	0.231			
18	9.12	922053	145295	VV	1201976	0.7671	7.671		2,4-DCPAA 77%	
19	9.66	10272	1658	VV	4385444	0.0023	0.023		DICAMBA <DL	
20	9.87	13772	1524	VB	2977	4.6262	46.262		MCPP <DL	
21	10.32	6519	1190	BV	1000000	0.0065	0.065			
22	10.53	18948	2290	VV	1000000	0.0190	0.190			
24	11.14	19016	1673	VV	1000000	0.0190	0.190			
25	11.71	95645	4027	VV	1154868	0.0828	0.828		DICHLOROPROP <DL	
26	12.10	135409	12434	VB	1000000	0.1354	1.354			
27	12.44	29715	2320	BV	1000000	0.0297	0.297			
28	12.82	8544	1336	VV	1000000	0.0085	0.085			
29	12.99	32945	3824	VV	1000000	0.0329	0.329			
30	13.56	95999	9848	VV	1306887	0.0735	0.735		2,4-D <DL	
31	13.92	18471	2048	VB	1000000	0.0185	0.185			
32	14.30	5858	933	BV	1000000	0.0059	0.059			
33	14.44	6365	1134	VB	1000000	0.0064	0.064			
34	14.63	12184	1935	BB	1000000	0.0122	0.122			
35	15.08	15897	1263	BV	1000000	0.0159	0.159			
36	15.34	19843	1841	VB	1000000	0.0198	0.198			
37	15.84	38319	2863	BB	5774568	0.0066	0.066		SILVEX <DL	
39	17.01	9914	1080	BV	1000000	0.0099	0.099			
40	17.27	16772	1865	VB	5445257	0.0031	0.031		2,4,5-T } <DL	
43	18.83	17472	2161	BB	792254	0.0221	0.221		2,4-DB }	
44	19.34	21924	2786	BB	1000000	0.0219	0.219			
45	19.70	37435	3628	BB	1000000	0.0374	0.374			
46	20.26	26120	1804	BB	1000000	0.0261	0.261			
47	20.85	76727	4128	BV	1000000	0.0767	0.767			

000122

48	21.14	74950	4220	VV	1000000	0.0750	0.750
49	21.50	94332	5166	VB	1000000	0.0943	0.943
50	21.84	26608	2788	BV	1000000	0.0266	0.266
51	22.02	17145	1299	VB	1000000	0.0172	0.172
52	22.62	72039	10387	BE	1000000	0.0720	0.720
54	23.28	4089	333	BB	1000000	0.0041	0.041
55	23.89	17098	1995	BB	1000000	0.0171	0.171
56	24.22	7503	575	BV	1000000	0.0075	0.075
57	24.56	10161	1316	VV	1000000	0.0102	0.102
58	24.87	54721	6812	VB	1000000	0.0547	0.547
60	26.63	56464	2721	BB	1000000	0.0565	0.565
61	27.06	6907	846	BB	1000000	0.0069	0.069
62	27.53	69976	8702	BV	1000000	0.0700	0.700
63	27.75	5978	1001	VB	1000000	0.0060	0.060
64	27.91	19377	3142	BB	1000000	0.0194	0.194
65	28.44	89302	6973	BB	1000000	0.0893	0.893
66	28.93	51116	4061	BV	1000000	0.0511	0.511
67	29.33	59489	3474	VV	1000000	0.0595	0.595
68	29.55	26712	2017	VV	1000000	0.0267	0.267
69	29.73	16729	1409	VB	1000000	0.0167	0.167
70	30.10	12527	1210	BB	1000000	0.0125	0.125
71	30.49	8902	1295	BV	1000000	0.0089	0.089
72	30.80	7005	522	VV	1000000	0.0070	0.070
74	31.31	37778	6256	VB	1000000	0.0378	0.378
		3569287	439098			7.9427	79.427

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8150 - FORM 1

NYTEST ENVIRONMENTAL INC.

CHLORINATED PHENOXY HERBICIDES ANALYSIS DATA SHEET

SAMPLE MATRIX:	WATER	SAMPLE ID:	2044-FB
CONC. LEVEL:	LOW	LAB SAMPLE ID:	2263325
EXTRACTION DATE:	12/05/94	DIL FACTOR:	1.00
ANALYSIS DATE:	12/10/94	% MOISTURE:	NA

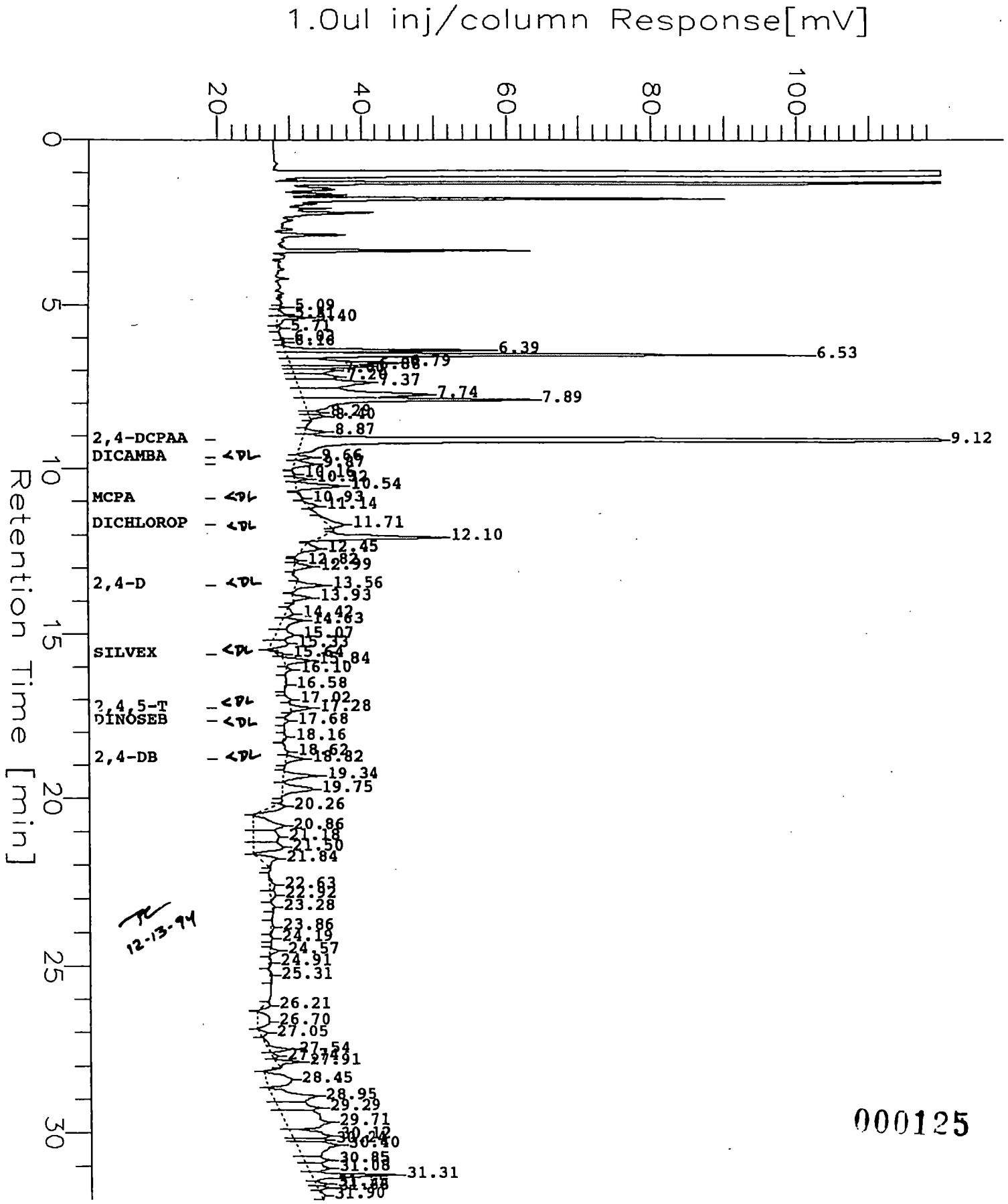
CMPD #	CAS Number	HERBICIDE COMPOUND	UG/L
1	94-75-7	2,4-D	1.0 U
2	93-71-1	2,4,5-TP (Silvex)	0.10 U
3	93-76-5	2,4,5-T	0.10 U
4	94-82-6	2,4-DB	2.0 U
5	75-99-0	Dalapon	2.5 U
6	1918-00-9	Dicamba	0.10 U
7	88-85-7	Dinoseb	0.50 U
8	120-36-5	2,4-DP (Dichloroprop)	1.0 U
9	94-74-6	MCPA	250 U
10	93-65-2	MCPP	250 U

H5880B DB-1701 0.53r

1000/10 8150

Sample Name : 22633-25
FileName : C:\2700\DATA0\187B044.raw
Method : 5890h.ins
Start Time : 0.00 min End Time : 32.00 min
Scale Factor: -1 Plot Offset: 20 mV

Sample #: 2044-FB
Date : 12/13/94 11:19
Time of Injection: 12/10/94 13:24
Low Point : 19.82 mV High Point : 119.82 mV
Plot Scale: 100 mV



12-13-94

000125

Software Version: 3.2 <1 20>
Sample Name : 22633-25 Time : 12/13/94 11:19
Sample Number: 2044-FB Study : ~~A. 22521 11/15~~ 22633 12/5
Operator : PATRICK

Instrument : 970-1:_HP1_(5890) Channel : B A/D mV Range : 1000 TK 12-13-94
AutoSampler : NONE
Rack/Vial : 0/0

Interface Serial # : 9161570932 Data Acquisition Time: 12/10/94 13:24
Delay Time : 0.00 min.
End Time : 32.00 min.
Sampling Rate : 2.0000 pts/sec

Raw Data File : C:\2700\DATA0\187B044.raw
Result File : c:\2700\data0\187B044.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 : 1000.0000 Dilution Factor : 1.00

HERBICIDE REPORT HP-50+

HP1-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
2	5.31	6455	964	BV	1000000	0.0065	0.065			
3	5.40	23792	3994	VB	1000000	0.0238	0.238			
7	6.39	132168	28311	BV	1000000	0.1322	1.322			
8	6.53	362754	72112	VV	1000000	0.3628	3.628			
9	6.79	111148	15316	VV	1000000	0.1112	1.112			
10	6.88	56301	10971	VV	1000000	0.0563	0.563			
11	7.00	46515	5923	VV	1000000	0.0465	0.465			
12	7.20	47270	5957	VV	1000000	0.0473	0.473			
13	7.37	127053	10106	VV	1000000	0.1271	1.271			
14	7.74	186667	17463	VV	1000000	0.1867	1.867			
15	7.89	235746	31577	VV	1000000	0.2358	2.358			
16	8.29	9348	1787	VV	1000000	0.0094	0.094			
17	8.40	13441	2236	VB	1000000	0.0134	0.134			
18	8.87	17415	2770	BV	1000000	0.0174	0.174			
19	9.12	955198	152903	VV	1201976	0.7947	7.947		2,4-DCPAA 79%	
20	9.66	11581	2171	VV	4385444	0.0026	0.026		DICAMBA } <DL	
21	9.87	22961	2763	VB	2977	7.7127	77.127		MCPP } <DL	
23	10.32	10106	1822	BV	1000000	0.0101	0.101			
24	10.54	50560	6299	VB	1000000	0.0506	0.506			
26	11.14	9556	1332	BB	1000000	0.0096	0.096			
27	11.71	23772	1985	BB	1154868	0.0206	0.206		DICHLOROPROP <DL	
28	12.10	124071	16769	BB	1000000	0.1241	1.241			
29	12.45	20083	2151	BB	1000000	0.0201	0.201			
31	12.99	16904	2307	VB	1000000	0.0169	0.169			
32	13.56	29160	3813	BB	1306887	0.0223	0.223		2,4-D <DL	
33	13.93	15987	2466	BB	1000000	0.0160	0.160			
34	14.42	10606	1074	BV	1000000	0.0106	0.106			
35	14.63	35522	2874	VV	1000000	0.0355	0.355			
36	15.07	39599	2511	VV	1000000	0.0396	0.396			
37	15.33	26791	2327	VB	1000000	0.0268	0.268			
38	15.64	5168	680	BB	5774568	0.0009	0.009		SILVEX <DL	
39	15.84	26317	3478	BB	1000000	0.0263	0.263			
40	16.10	4283	654	BB	1000000	0.0043	0.043			
43	17.28	17916	2760	BB	5445257	0.0033	0.033		2,4,5-T } <DL	
47	18.82	17536	2272	BB	792254	0.0221	0.221		2,4-DB } <DL	
48	19.34	43540	4760	BV	1000000	0.0435	0.435			
49	19.75	51131	4132	VB	1000000	0.0511	0.511			
50	20.26	22365	1555	BB	1000000	0.0224	0.224			
51	20.86	70996	4157	BV	1000000	0.0710	0.710			
52	21.18	66988	3507	VV	1000000	0.0670	0.670			

000126

53	21.50	61743	3973	VB	1000000	0.0617	0.617
54	21.84	27573	2328	BB	1000000	0.0276	0.276
55	22.63	11515	756	BV	1000000	0.0115	0.115
56	22.92	9457	731	VB	1000000	0.0095	0.095
60	24.57	7474	1067	BV	1000000	0.0075	0.075
63	26.21	7373	796	BB	1000000	0.0074	0.074
64	26.70	34936	1612	BB	1000000	0.0349	0.349
65	27.05	7783	904	BV	1000000	0.0078	0.078
66	27.54	24498	2784	VV	1000000	0.0245	0.245
67	27.74	4226	666	VB	1000000	0.0042	0.042
68	27.91	20450	3237	BB	1000000	0.0205	0.205
69	28.45	70948	3570	BB	1000000	0.0710	0.710
70	28.95	89070	5984	BV	1000000	0.0891	0.891
71	29.29	72571	5767	VV	1000000	0.0726	0.726
72	29.71	164294	6090	VV	1000000	0.1643	1.643
73	30.12	60775	5283	VV	1000000	0.0608	0.608
74	30.24	27585	4375	VV	1000000	0.0276	0.276
75	30.40	102028	5849	VV	1000000	0.1020	1.020
76	30.85	35823	3436	VV	1000000	0.0358	0.358
77	31.08	32595	2945	VV	1000000	0.0326	0.326
78	31.31	76444	11812	VV	1000000	0.0764	0.764
79	31.55	8875	1649	VV	1000000	0.0089	0.089
80	31.66	7898	1526	VV	1000000	0.0079	0.079
		4070697	520146			11.5666	115.666

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12-13-94

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:	2263326
EXTRACTION DATE:	12/05/94	DIL FACTOR:	1.22
ANALYSIS DATE:	12/10/94	% MOISTURE:	NA

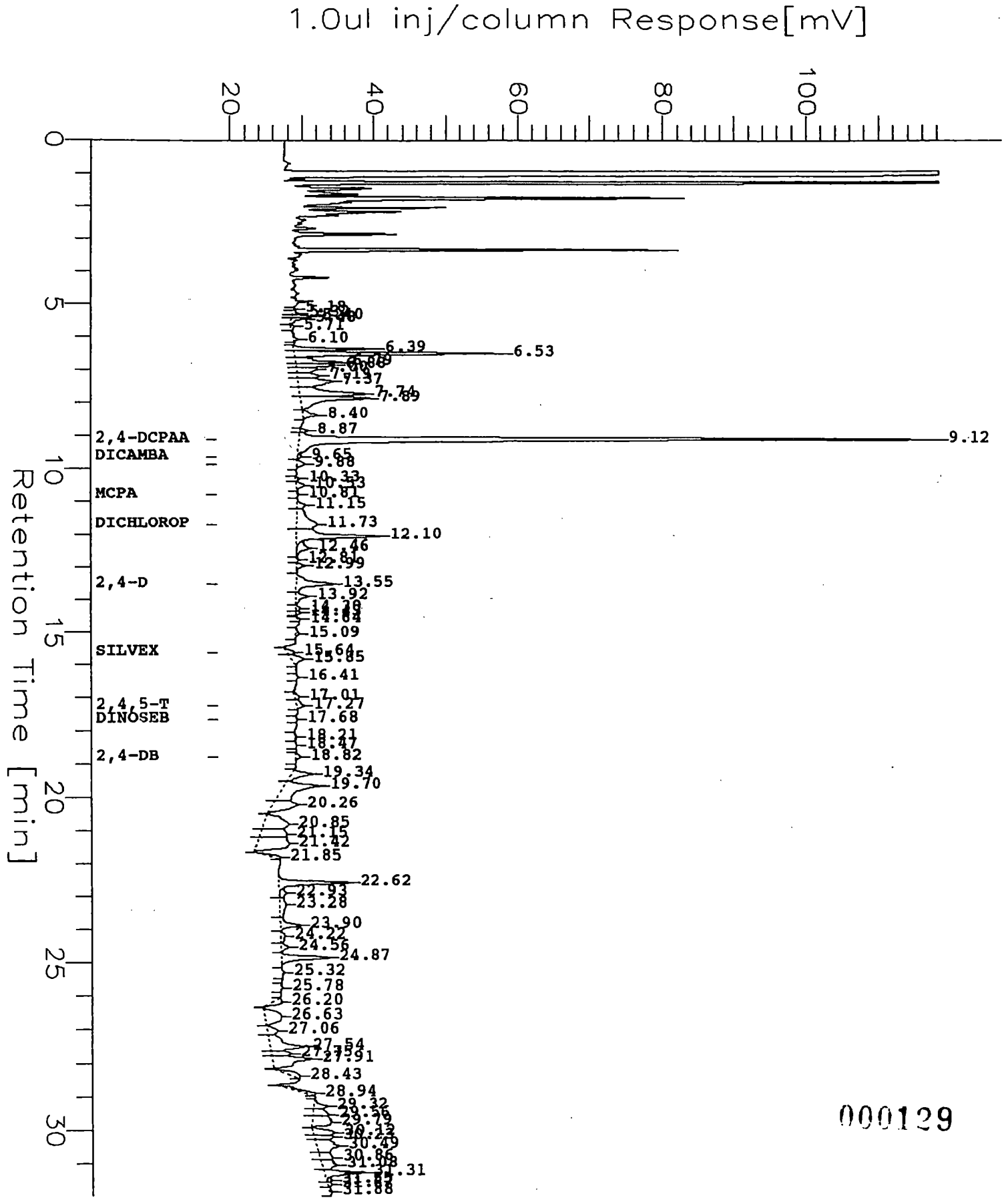
CMPD #	CAS Number	HERBICIDE COMPOUND	UG/L
1	94-75-7	2,4-D	1.2 U
2	93-71-1	2,4,5-TP (Silvex)	0.12 U
3	93-76-5	2,4,5-T	0.12 U
4	94-82-6	2,4-DB	2.4 U
5	75-99-0	Dalapon	3.1 U
6	1918-00-9	Dicamba	0.12 U
7	88-85-7	Dinoseb	0.61 U
8	120-36-5	2,4-DP (Dichloroprop)	1.2 U
9	94-74-6	MCPA	310 U
10	93-65-2	MCPP	310 U

H5880B DB-1701 0.53m 820/10 1000/10 8150

Sample Name : 22633-26
FileName : c:\2700\data0\1878045.raw
Method : 5890h.ins
Start Time : 0.00 min End Time : 32.00 min
Scale Factor: -1 Plot Offset: 18 mV

Sample #: 2044-DUP
Date : 12/12/94 14:46
Time of Injection: 12/10/94 14:04
Low Point : 18.22 mV High Point : 118.22 mV
Plot Scale: 100 mV

12/29/94



000129

Software Version: 3.2 <1(0>
Sample Name : 22633-26
Sample Number: 2044-DUP
Operator : PATRICK

Time : 12/29/94 12:52
Study : A. 22521 11/15

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

Channel : B A/D mV Range : 1000

Interface Serial # : 9161570932 Data Acquisition Time: 12/10/94 14:04
Delay Time : 0.00 min.
End Time : 32.00 min.
Sampling Rate : 2.0000 pts/sec

Raw Data File : c:\2700\data0\187B045.raw
Result File : c:\2700\data0\187B045.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
Sample Amount : 820.0000

Area Reject : 4000.00
Dilution Factor : 1.00

HERBICIDE REPORT HP-50+

HP1-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
2	5.32	5041	1016	VV	1000000	0.0050	0.062			
3	5.40	13730	2939	VV	1000000	0.0137	0.168			
4	5.48	9552	2111	VB	1000000	0.0096	0.117			
7	6.39	53426	11503	BV	1000000	0.0534	0.652			
8	6.53	145966	29114	VV	1000000	0.1460	1.781			
9	6.79	45310	6584	VV	1000000	0.0453	0.553			
10	6.88	31839	5571	VV	1000000	0.0318	0.388			
11	7.00	20862	2882	VV	1000000	0.0209	0.255			
12	7.19	26253	3224	VV	1000000	0.0263	0.320			
13	7.37	56542	4825	VV	1000000	0.0565	0.690			
14	7.74	91208	9092	VV	1000000	0.0912	1.113			
15	7.89	79827	9726	VV	1000000	0.0798	0.974			
16	8.40	15101	2088	VB	1000000	0.0151	0.184			
17	8.87	5827	1056	BV	1000000	0.0058	0.071			
18	9.12	567830	88832	VE	1201976	0.4724	5.763		2,4-DCPAA	47%
19	9.65	5112	662	EV	4385444	0.0012	0.014		~~DICAMBA~~	
20	9.88	9431	1127	VB	2977	3.1680	38.649		MCPP	
22	10.53	10029	1209	VB	1000000	0.0100	0.122			
24	11.15	11620	1169	VV	1000000	0.0116	0.142			
25	11.73	64417	2863	VV	1154868	0.0558	0.681		DICHLOROPROP	
26	12.10	120441	11695	VE	1000000	0.1204	1.469			
27	12.46	20724	1604	EV	1000000	0.0207	0.253			
29	12.99	8094	1077	VV	1000000	0.0081	0.099			
30	13.55	55011	5140	VV	1306887	0.0421	0.514		2,4-I	
31	13.92	15698	1571	VV	1000000	0.0157	0.192			
32	14.30	4293	626	VV	1000000	0.0043	0.052			
35	15.09	4257	520	BB	1000000	0.0043	0.052			
36	15.64	7743	1003	BV	5774568	0.0013	0.016		SILVEX	
37	15.85	22660	1786	VB	1000000	0.0227	0.277			
39	17.01	5384	630	BV	1000000	0.0054	0.066			
40	17.27	11136	1040	VB	5445257	0.0021	0.025		2,4,5-T	
44	18.82	5661	749	BB	792254	0.0072	0.087		2,4-DB	LDL
45	19.34	28174	3023	BV	1000000	0.0282	0.344			
46	19.70	88686	5070	VV	1000000	0.0887	1.082			
47	20.26	49631	3390	VB	1000000	0.0496	0.606			
48	20.85	67181	3434	BV	1000000	0.0672	0.820			
49	21.15	53476	3634	VV	1000000	0.0535	0.652			
50	21.42	90490	4389	VB	1000000	0.0905	1.104			
51	21.85	11138	1004	BB	1000000	0.0111	0.136			
52	22.62	73467	9925	BE	1000000	0.0735	0.896			

000130

53	22.93	10906	927	EV	1000000	0.0109	0.133
54	23.28	22890	908	VV	1000000	0.0229	0.279
55	23.90	25780	2795	VV	1000000	0.0258	0.315
56	24.22	9546	592	VV	1000000	0.0096	0.117
57	24.56	8879	1065	VV	1000000	0.0089	0.108
58	24.87	55255	6673	VB	1000000	0.0553	0.674
61	26.20	12480	1231	BB	1000000	0.0125	0.152
62	26.63	49807	2313	BV	1000000	0.0498	0.608
63	27.06	15326	1498	VV	1000000	0.0153	0.187
64	27.54	66060	4522	VV	1000000	0.0661	0.806
65	27.75	23722	2740	VV	1000000	0.0237	0.289
66	27.91	67275	5603	VB	1000000	0.0673	0.821
67	28.43	17097	907	BB	1000000	0.0171	0.209
68	28.94	15263	1207	BB	1000000	0.0153	0.186
69	29.32	13966	1862	BV	1000000	0.0140	0.170
70	29.56	24444	2262	VV	1000000	0.0244	0.298
71	29.79	44676	2720	VB	1000000	0.0447	0.545
72	30.12	32330	2992	BV	1000000	0.0323	0.394
73	30.23	20457	2624	VV	1000000	0.0205	0.250
74	30.49	50307	2994	VV	1000000	0.0503	0.614
75	30.86	20866	1788	VV	1000000	0.0209	0.255
76	31.08	29579	2050	VV	1000000	0.0296	0.361
77	31.31	38552	5543	VE	1000000	0.0386	0.470
78	31.55	4848	647	EV	1000000	0.0049	0.059
79	31.67	4075	635	VV	1000000	0.0041	0.050
		2696648	307995			5.7203	69.787

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8150 - FORM 1

NYTEST ENVIRONMENTAL INC.

CHLORINATED PHENOXY HERBICIDES ANALYSIS DATA SHEET

SAMPLE MATRIX:	WATER	SAMPLE ID:	HBLK4
CONC. LEVEL:	LOW	LAB SAMPLE ID:	HWB1205A
EXTRACTION DATE:	12/05/94	DIL FACTOR:	1.00
ANALYSIS DATE:	12/10/94	% MOISTURE:	NA

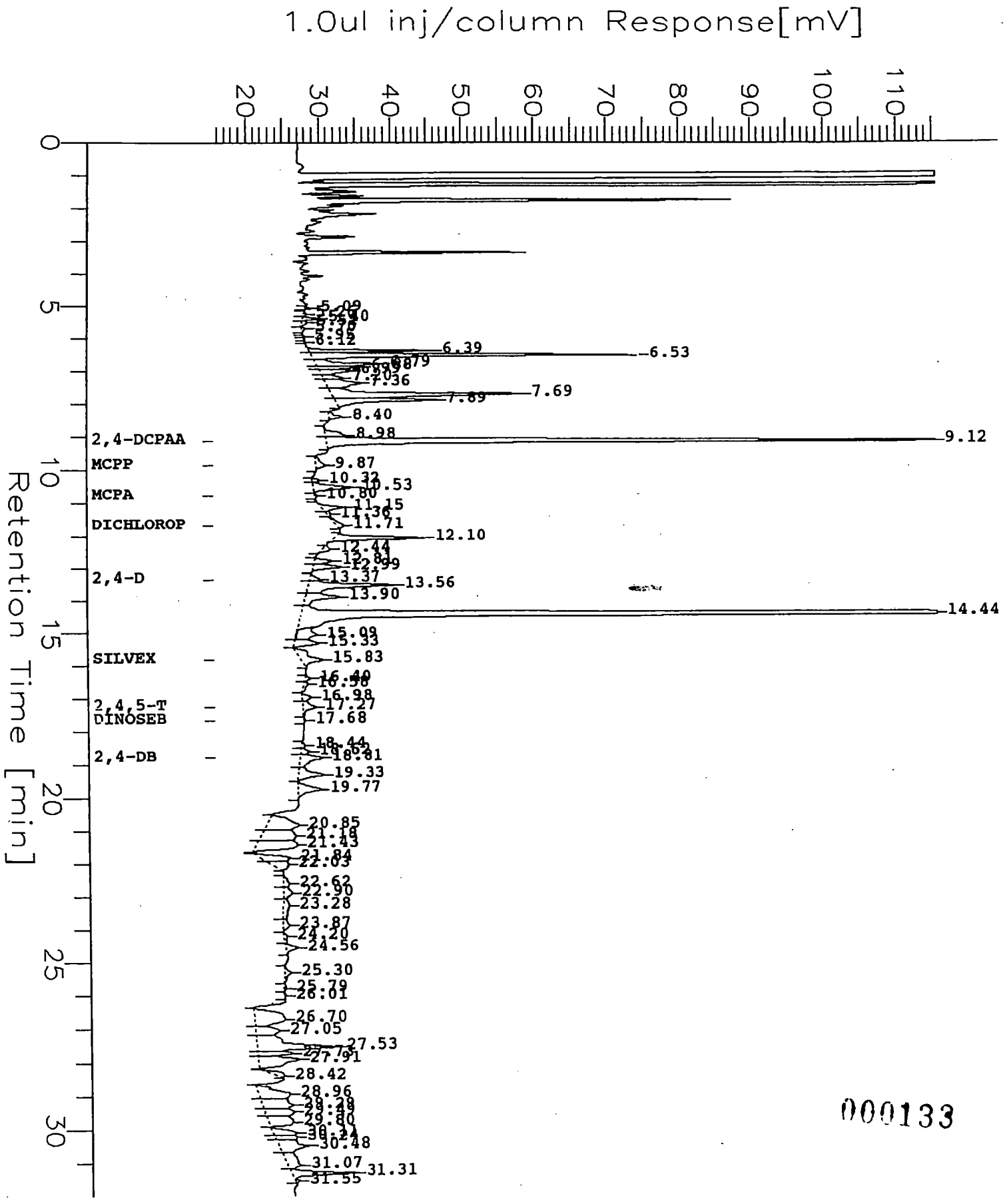
UG/L

CMPD #	CAS Number	HERBICIDE COMPOUND	
1	94-75-7	2,4-D	1.0 U
2	93-71-1	2,4,5-TP (Silvex)	0.10 U
3	93-76-5	2,4,5-T	0.10 U
4	94-82-6	2,4-DB	2.0 U
5	75-99-0	Dalapon	2.5 U
6	1918-00-9	Dicamba	0.10 U
7	88-85-7	Dinoseb	0.50 U
8	120-36-5	2,4-DP (Dichloroprop)	1.0 U
9	94-74-6	MCPA	250 U
10	93-65-2	MCPP	250 U

H5880B DB-1701 0.53m

Sample Name : HBLK4
FileName : c:\2700\data0\187B037.raw
Method : 5890h.ins
Start Time : 0.00 min End Time : 32.00 min
Scale Factor: -1 Plot Offset: 16 mV

Sample #: HWB1205A Page 1 of 1
Date : 12/12/94 14:44
Time of Injection: 12/10/94 08:45
Low Point : 15.49 mV High Point : 115.49 mV
Plot Scale: 100 mV



000133

Software Version: 3.2 <1 0>

Sample Name : HBLK4 Time : 12/12/94 14:44
Sample Number: HWB1205A Study : HBLK 4
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 08:45
Delay Time : 0.00 min.
End Time : 32.00 min.
Sampling Rate : 2.0000 pts/sec

Raw Data File : c:\2700\data0\187B037.raw
Result File : c:\2700\data0\187B037.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 : 1000.0000 Dilution Factor : 1.00

HERBICIDE REPORT HP-50+

HP1-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	5.40	10405	2288	VV	1000000	0.0104	0.104			
4	5.52	5114	780	VB	1000000	0.0051	0.051			
8	6.39	80568	17407	BV	1000000	0.0806	0.806			
9	6.53	223786	45871	VV	1000000	0.2238	2.238			
10	6.79	59187	9082	VV	1000000	0.0592	0.592			
11	6.88	29450	6244	VV	1000000	0.0295	0.295			
12	6.99	9540	4397	VV	1000000	0.0 5	.295			
13	7.20	18727	2711	VV	1000000	0.0187	0.187			
14	7.36	54587	4837	VV	1000000	0.0546	0.546			
15	7.69	200062	26589	VV	1000000	0.2001	2.001			
16	7.89	90499	14296	VB	1000000	0.0905	0.905			
17	8.40	11853	1856	BB	1000000	0.0119	0.119			
18	8.98	25652	2837	BV	1000000	0.0257	0.257			
19	9.12	548115	90903	VB	1201976	0.4560	4.560		2,4-DCPAA 46%	
20	9.87	15020	1333	BB	2977	5.0454	50.454		HCPP <DL	
21	10.32	5004	913	BV	1000000	0.0050	0.050			
22	10.53	44026	5329	VB	1000000	0.0440	0.440			
24	11.15	23479	3052	BV	1000000	0.0235	0.235			
25	11.36	4636	521	VV	1000000	0.0046	0.046			
26	11.71	13298	946	VB	1154868	0.0115	0.115		DICHLOROPROP <DL	
27	12.10	92004	12800	BV	1000000	0.0920	0.920			
28	12.44	8854	1060	VB	1000000	0.0089	0.089			
29	12.81	16075	2528	BV	1000000	0.0161	0.161			
30	12.99	29866	3837	VB	1000000	0.0299	0.299			
31	13.37	8875	1335	BV	1306887	0.0068	0.068		2,4-D <DL	
32	13.56	112370	12015	VV	1000000	0.1124	1.124			
33	13.90	50535	4628	VV	1000000	0.0505	0.505			
34	14.44	1478523	213195	VE	1000000	1.4785	14.785			
35	15.09	44190	2936	EV	1000000	0.0442	0.442			
36	15.33	31987	3241	VB	1000000	0.0320	0.320			
37	15.83	47553	3017	BB	5774569	0.0082	0.082		SILVEX <DL	
38	16.40	4580	633	BV	1000000	0.0046	0.046			
39	16.58	6406	523	VB	1000000	0.0064	0.064			
40	16.98	10857	1268	BV	1000000	0.0109	0.109			
41	17.27	21762	1762	VV	5445258	0.0040	0.040		2,4,5-T } <DL	
44	18.62	9276	1162	VV	1000000	0.0093	0.093			
45	18.81	35145	2965	VV	792254	0.0444	0.444		2,4-DB }	
46	19.33	39612	3443	VB	1000000	0.0396	0.396			
47	19.77	37556	3075	BB	1000000	0.0376	0.376			
48	20.85	80273	4368	BV	1000000	0.0803	0.803			

000134

49	21.18	85139	4704	VV	1000000	0.0851	0.851
50	21.43	89386	5499	VB	1000000	0.0894	0.894
51	21.84	40439	3930	BV	1000000	0.0404	0.404
52	22.03	29562	2257	VB	1000000	0.0296	0.296
53	22.62	11301	780	BV	1000000	0.0113	0.113
54	22.90	17348	1093	VV	1000000	0.0174	0.174
55	23.28	21494	772	VV	1000000	0.0215	0.215
56	23.87	12141	864	VB	1000000	0.0121	0.121
57	24.20	5081	416	BV	1000000	0.0051	0.051
58	24.56	12321	1581	VB	1000000	0.0123	0.123
59	25.30	10275	866	BV	1000000	0.0103	0.103
62	26.70	94650	4077	BV	1000000	0.0947	0.947
63	27.05	40311	3207	VV	1000000	0.0403	0.403
64	27.53	144276	10820	VV	1000000	0.1443	1.443
65	27.73	38705	4632	VV	1000000	0.0387	0.387
66	27.91	75629	5521	VB	1000000	0.0756	0.756
67	28.42	16541	828	BB	1000000	0.0165	0.165
68	28.96	68349	4271	BV	1000000	0.0684	0.684
69	29.29	70085	4192	VV	1000000	0.0701	0.701
70	29.49	44491	3922	VV	1000000	0.0445	0.445
71	29.80	55610	3346	VB	1000000	0.0556	0.556
72	30.11	34224	3219	BV	1000000	0.0342	0.342
73	30.24	21244	2971	VV	1000000	0.0212	0.212
74	30.48	62862	4074	VV	1000000	0.0629	0.629
75	31.07	41245	1724	VV	1000000	0.0413	0.413
76	31.31	55379	8901	VB	1000000	0.0554	0.554
		4857394	610444			9.7439	97.439

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Patrick Connolly
12-13-94

FORM 2

NYTEST ENVIRONMENTAL INC.

HERBICIDE SURROGATE RECOVERY

LOGIN # : 22633

MATRIX : WATER

|<<<<HERBICIDE>>>>|

	SAMPLE ID	2,4-DCPAA % RECOVERY	HERB OUT
01	2044-1	44 OK	0
02	2044-2	80 OK	0
03	2044-3	77 OK	0
04	2044-FB	79 OK	0
05	2044-DUP	47 OK	0
06	2044-3MS	53 OK	0
07	2044-3MSD	50 OK	0
08	HBLK4	46 OK	0
09			
10			
11			
12			
13			
14			
15			
16			
17			
18			
19			
20			
21			
22			
23			
24			
25			
26			
27			
28			
29			
30			

ADVISORY QC LIMITS

2,4-DCPAA 5 - 285

* RECOVERY OUTSIDE ADVISORY QC LIMITS

I MATRIX INTERFERENCE

8150 - FORM 3

NYTEST ENVIRONMENTAL INC.

HERBICIDE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

LOGIN # : 22633 MATRIX: WATER

		CONC. SPIKE ADDED (ug/l)	SAMPLE RESULT	CONC. MS	% RECOVERY	CONC. MSD	% RECOVERY	RPD	QC LIMITS RPD	QC LIMITS RECOVERY
SAMPLE ID	2,4-D	5	0.00	3.91	78 OK	3.84	77 OK	2 OK	18	10 -265
2044-3										
NYTEST ID	2,4,5-TP (Silvex)	5	0.00	3.23	65 OK	2.65	53 OK	20 OK	22	10 -230
2263324										
	2,4,5-T	5	0.00	3.19	64 OK	2.56	51 OK	22 OK	23	10 -240

OF HERB % REC OUTSIDE ADVISORY QC LIMITS : 0 OF 6

OF HERB RPD VALUES ADVISORY QC LIMITS : 0 OF 3

000137

METHOD BLANK SUMMARY For 4

NYTEST ENVIRONMENTAL

CONTRACT: AGUILAR

MATRIX (soil/(water)):

LEVEL ((low)/med):

INSTRUMENT ID: HP1B

GC COLUMN: HP 50+ 0.53mm x 30M

EXTRACTION DATE: 12-5-94

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

Client Id.	Lab Id.	File Name	Date Of Injection	Time Of Injection	2,4-DCPAA RT (reference)
HWB1205A	HBLK4	187B037.rst	12/10/94	08:45	9.12
2044-1	22633-22	187B039.rst	12/10/94	10:04	9.12
2044-2	22633-23	187B040.rst	12/10/94	10:44	9.12
2044-3	22633-24	187B041.rst	12/10/94	11:24	9.12
2044-3MS	22633-24MS	187B042.rst	12/10/94	12:04	9.12
2044-3MSD	22633-24MSD	187B043.rst	12/10/94	12:44	9.12
2044-FB	22633-25	187B044.rst	12/10/94	13:24	9.12
2044-DUP	22633-26	187B045.rst	12/10/94	14:04	9.12

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

NYTEST ENVIRONMENTAL CONTRACT: AGUILAR

INSTRUMENT ID: HP1 B GC COLUMN ID: HP 50+ 0.53mm x 30M

DATES of ANALYSIS: 12-8-94 TO 12-10-94

File Name	Sample Name	Sample Number	Date Of Injection	Time Of Injection	Ret. Time	2,4-DCPAA % D *
187B002.rst	8150-1	8150-1	12/8/94	18:21	9.12	
187b004.rst	8150-2	8150-2	12/8/94	19:41	9.12	
187b005.rst	8150-3	8150-3	12/8/94	20:21	9.12	
187b006.rst	8150-4	8150-4	12/8/94	21:01	9.12	
187b007.rst	8150-5	8150-5	12/8/94	21:41	9.12	
187b035.rst	8150-3	8150-3	12/10/94	07:25	9.12	
187b037.rst	HBLK4	HWB1205A	12/10/94	08:45	9.12	
187b039.rst	22633-22	2044-1	12/10/94	10:04	9.12	
187b040.rst	22633-23	2044-2	12/10/94	10:44	9.12	
187b041.rst	22633-24	2044-3	12/10/94	11:24	9.12	
187b042.rst	22633-24MS	2044-3MS	12/10/94	12:04	9.12	
187b043.rst	22633-24MSD	2044-3MSD	12/10/94	12:44	9.12	
187b044.rst	22633-25	2044-FB	12/10/94	13:24	9.12	
187b045.rst	22633-26	2044-DUP	12/10/94	14:04	9.12	
~~187b046.rst~~	~~22633-QC~~	~~QC~~	~~12/10/94~~	~~14:43~~	~~9.12~~	
187b048.rst	8150-3	8150-3	12/10/94	16:03	9.12	

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

ICAL STANDARDS DATE AND TIME SUMMARY

INITIAL CALIBRATION (with surrogate times) INSTRUMENT HP1 B SEQUENCE 187 ANALYSIS 8150
GC COLUMN DB-608

File Name	Sample Name	Sample Number	Date Of Injection	Time Of Injection	2,4-DCPAA Ret. Time
187B002.rst	8150-1	8150-1	12/8/94	18:21	9.12
187B004.rst	8150-2	8150-2	12/8/94	19:41	9.12
187B005.rst	8150-3	8150-3	12/8/94	20:21	9.12
187B006.rst	8150-4	8150-4	12/8/94	21:01	9.12
187B007.rst	8150-5	8150-5	12/8/94	21:41	9.12

CALIBRATION FACTORS and RSD SUMMARY

STANDARD: 8150 INSTRUMENT: PE1B SEQUENCE: 187

DATA FILE NAME	Sample Name	Sample Number	DALAPON CALIBRATION FACTOR	2,4-DCPAA CALIBRATION FACTOR	DICAMBA CALIBRATION FACTOR	MCPP CALIBRATION FACTOR
187B002.	8150-1	8150-1	1413631.2500	1495980.0000	4661649.0000	2361.7664
187B004.	8150-2	8150-2	1122024.0000	1393704.2500	5079804.5000	3589.9407
187B005.	8150-3	8150-3	1014785.1250	1086943.0000	4220416.0000	2933.4639
187B006.	8150-4	8150-4	784634.6250	1049939.0000	4020319.2500	3107.2793
187B007.	8150-5	8150-5	499594.8438	983313.7500	3945033.7500	2896.3013
Averages			966934.0000	1201976.0000	4385444.5000	2977.7502
%RSD			*35.73	18.94	10.89	14.83

DATA FILE NAME	Sample Name	Sample Number	MCPA CALIBRATION FACTOR	DICHLOROPROP CALIBRATION FACTOR	2,4-D CALIBRATION FACTOR	SILVEX CALIBRATION FACTOR
187B002.	8150-1	8150-1	9210.5928	1453499.6250	1601458.1250	6806821.5000
187B004.	8150-2	8150-2	9407.2051	1336516.2500	1465664.8750	6032061.5000
187B005.	8150-3	8150-3	6256.2017	1028281.2500	1180534.3750	5146153.0000
187B006.	8150-4	8150-4	5918.4863	1012594.1250	1176873.7500	5509800.0000
187B007.	8150-5	8150-5	5666.1079	943449.5000	1109907.8750	5378005.0000
Averages			7291.7188	1154868.1250	1306887.7500	5774568.0000
%RSD			* 25.43	19.51	16.40	11.47

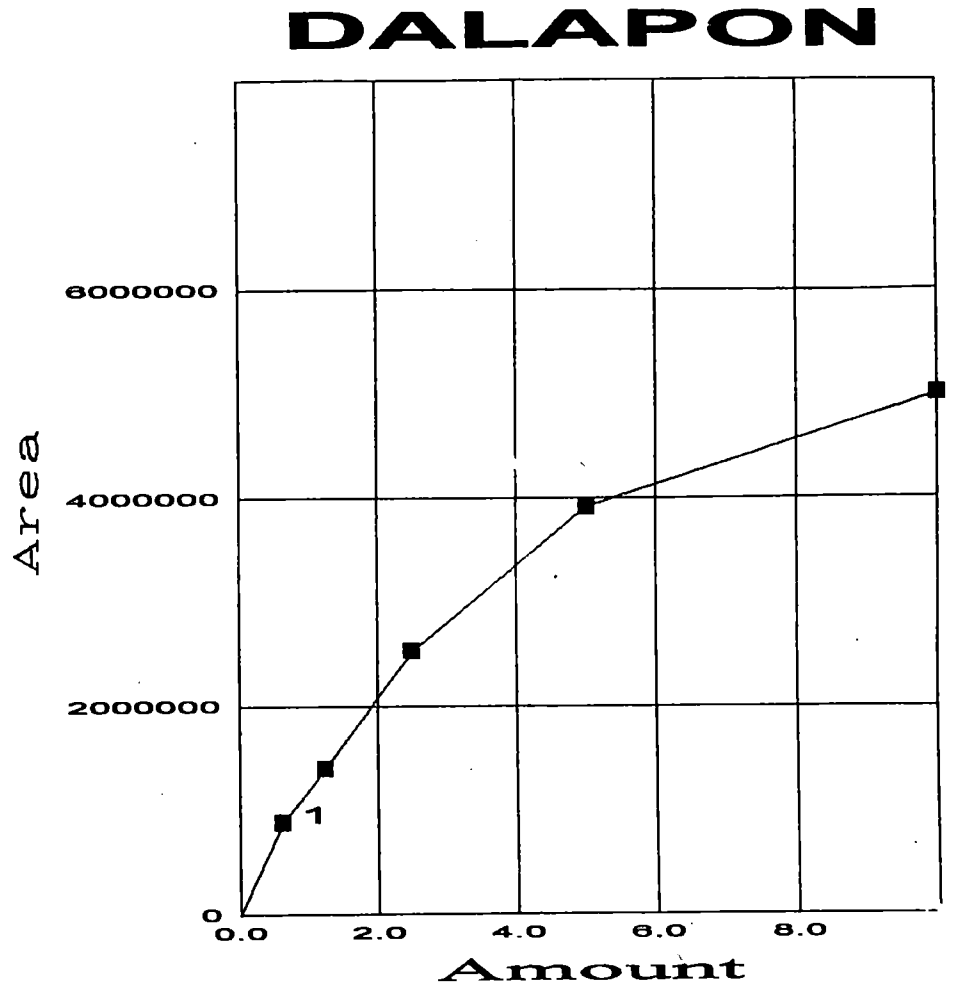
DATA FILE NAME	Sample Name	Sample Number	2,4,5-T CALIBRATION FACTOR	DINOSEB CALIBRATION FACTOR	2,4-DB CALIBRATION FACTOR
187B002.	8150-1	8150-1	6422840.5000	4430806.5000	965298.2500
187B004.	8150-2	8150-2	5626219.0000	3948868.0000	891740.0000
187B005.	8150-3	8150-3	4873994.5000	3199241.2500	709994.0000
187B006.	8150-4	8150-4	5215505.0000	3243857.0000	717296.4375
187B007.	8150-5	8150-5	5087727.5000	3056464.0000	676944.8750
Averages			5445257.5000	3569847.2500	792254.6875
%RSD			11.23	16.22	16.16

* Calibration curve used to quantitate these components

CALPLOT Output For Sample File: "C:\2700\DATA\187B8150.SMP"
Date: 12/9/94 Time: 1..56

Curve Parameters:

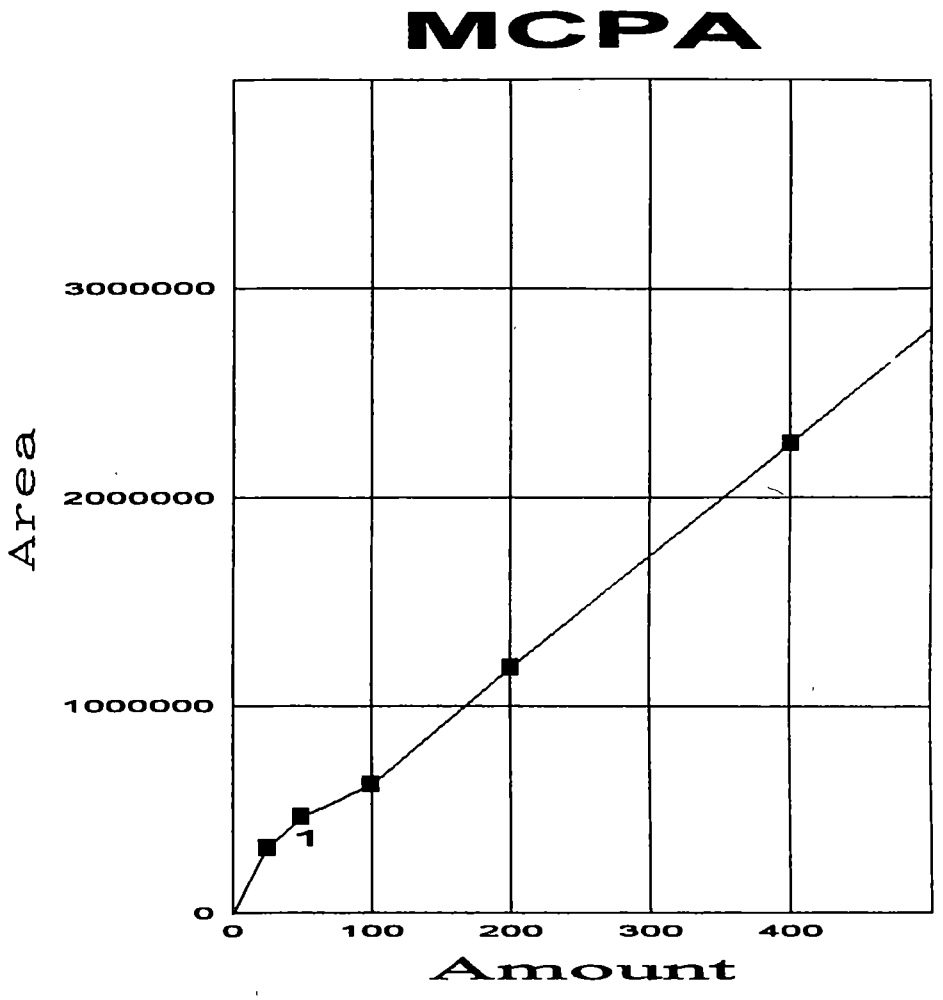
Curve #1 : Point to Point Fit - Forced Through the Origin
Weighting Factor = 1.0 (No Weighting)



CALPLOT Output For Sample File: "C:\2700\DATA\187B8150.SMP"
Date: 12/9/94 Time: 11:57

Curve Parameters:

Curve #1 : Point to Point Fit - Forced Through the Origin
Weighting Factor = 1.0 (No Weighting)



CALIBRATION FACTORS and RSD SUMMARY

STANDARD: 8150 INSTRUMENT: HP1A SEQUENCE: 187

DATA FILE NAME	Sample Name	Sample Number	DALAPON CALIBRATION FACTOR	2,4-DCPAA CALIBRATION FACTOR	DICAMBA CALIBRATION FACTOR	MCPP CALIBRATION FACTOR
187a002.	8150-1	8150-1	3028308.0000	2419043.2500	1.2214e7	6459.5400
187a004.	8150-2	8150-2	2352921.5000	1887133.5000	1.0631e7	5251.5396
187a005.	8150-3	8150-3	1519160.3750	1546048.7500	8244920.0000	4539.4951
187a006.	8150-4	8150-4	939807.8125	1502528.2500	8174456.0000	4673.0073
187a007.	8150-5	8150-5	555835.7500	1251298.8750	6653494.5000	4519.5327
Averages			1679206.7500	1721210.5000	9183684.0000	5088.4229
%RSD			* 60.35	* 26.21	* 24.09	16.15

DATA FILE NAME	Sample Name	Sample Number	MCPA CALIBRATION FACTOR	DICHLOROPROP CALIBRATION FACTOR	2,4-D CALIBRATION FACTOR	SILVEX CALIBRATION FACTOR
187a002.	8150-1	8150-1	8468.7354	2828670.2500	3075250.2500	2.0697e7
187a004.	8150-2	8150-2	7437.1201	2337531.0000	2390436.2500	1.9308e7
187a005.	8150-3	8150-3	6273.4150	1804651.3750	2123911.0000	1.5604e7
187a006.	8150-4	8150-4	6364.4561	1687480.7500	1977002.0000	1.4935e7
187a007.	8150-5	8150-5	6064.6235	1507698.1250	1738809.0000	1.2927e7
Averages			6921.6699	2033206.2500	2261075.7500	1.6694e7
%RSD			14.67	* 26.64	* 22.68	19.25

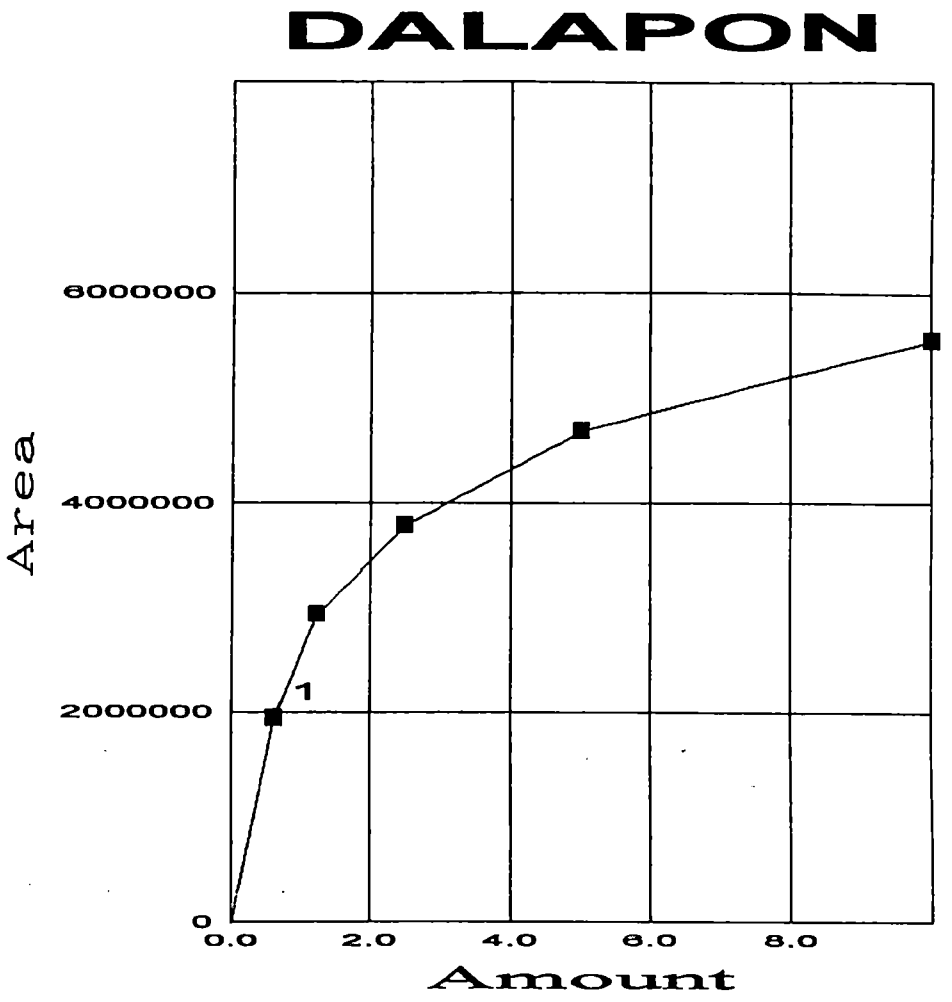
DATA FILE NAME	Sample Name	Sample Number	2,4,5-T CALIBRATION FACTOR	2,4-DB CALIBRATION FACTOR	DINOSEB CALIBRATION FACTOR
187a002.	8150-1	8150-1	2.1454e7	1676807.5000	1.1370e7
187a004.	8150-2	8150-2	1.7883e7	1356712.2500	9579042.0000
187a005.	8150-3	8150-3	1.4841e7	1200850.5000	7382140.0000
187a006.	8150-4	8150-4	1.5279e7	1303549.1250	6877866.0000
187a007.	8150-5	8150-5	1.3511e7	1217083.2500	4799299.0000
Averages			1.6593e7	1351000.5000	8001768.5000
%RSD			18.96	14.28	* 31.70

* USE CALIBRATION CURVE

CALPLOT Output For Sample File: "C:\2700\DATA\187A8150.SMP"
Date: 12/13/94 Time: 10:13

Curve Parameters:

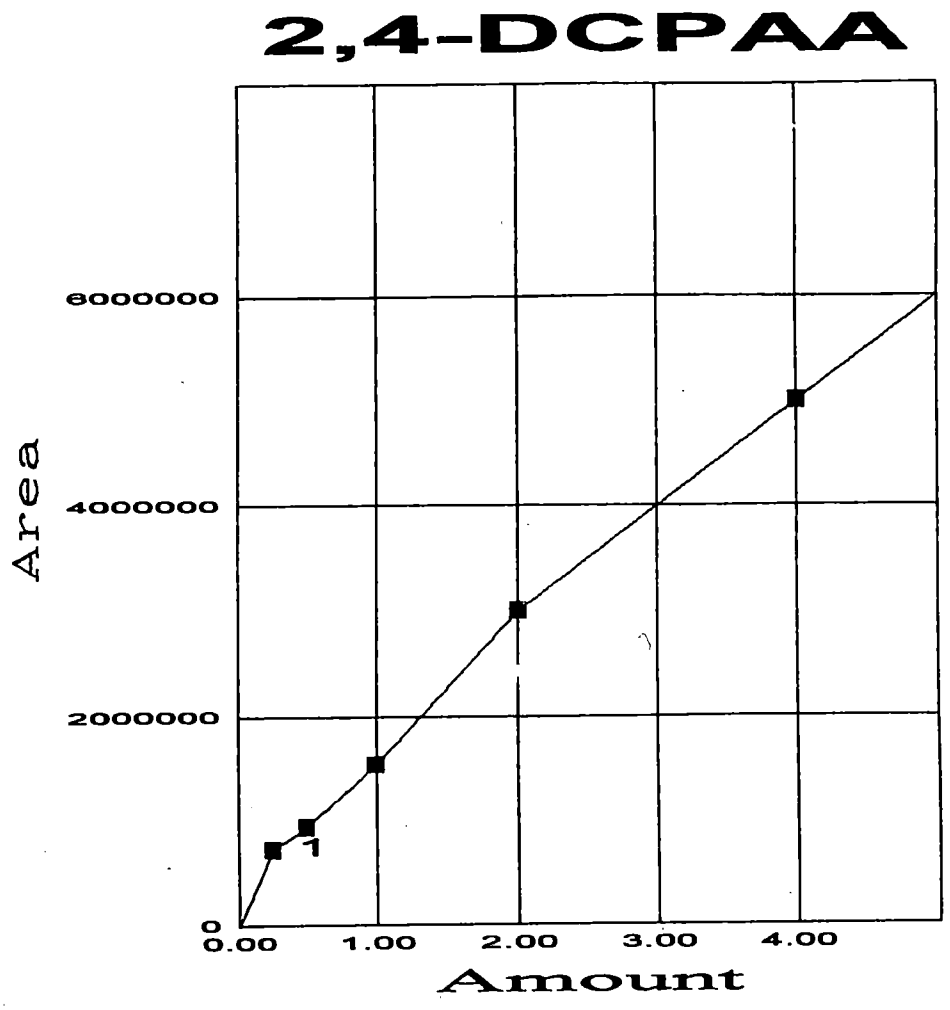
Curve #1 : Point to Point Fit - Forced Through the Origin
Weighting Factor = 1.0 (No Weighting)



CALPLOT Output For Sample File: "C:\2700\DATA\187A8150.SMP"
Date: 12/13/94 Time: 10:13

Curve Parameters:

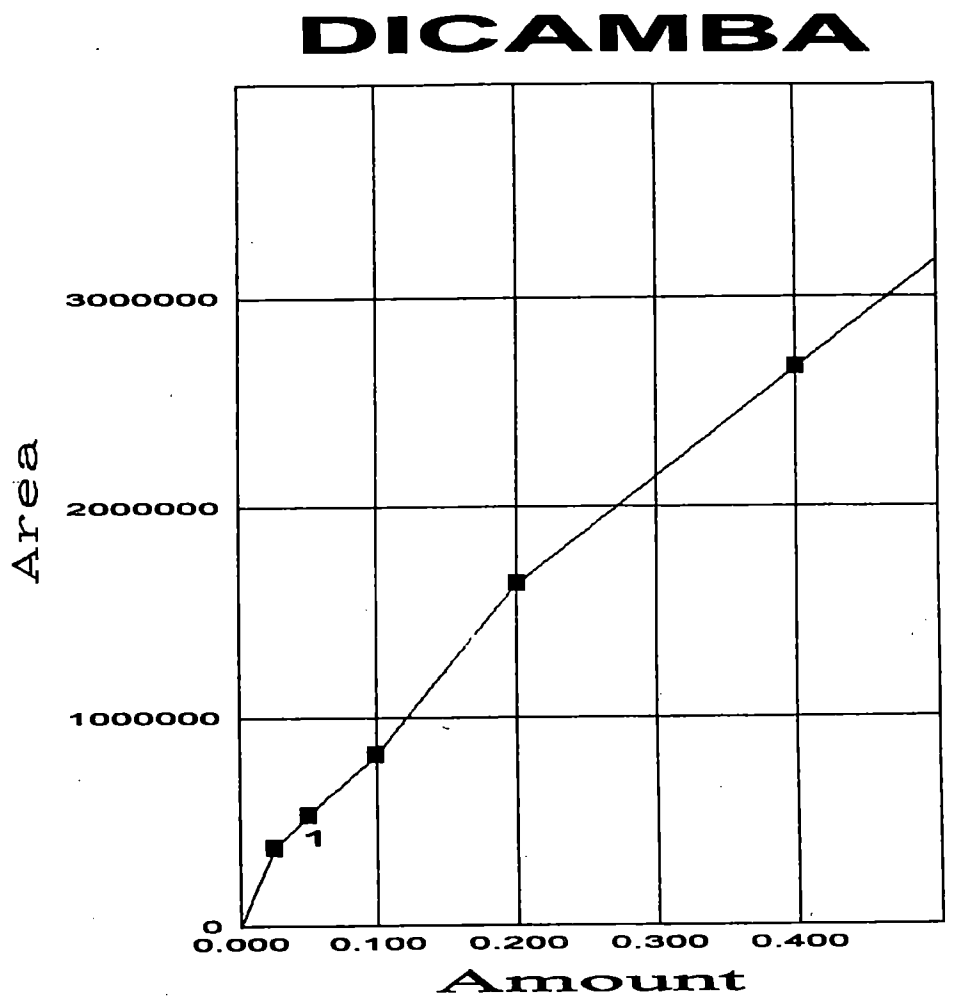
Curve #1 : Point to Point Fit - Forced Through the Origin
Weighting Factor = 1.0 (No Weighting)



CALPLOT Output For Sample File: "C:\2700\DATA\187A8150.SMP"
Date: 12/13/94 Time: :14

Curve Parameters:

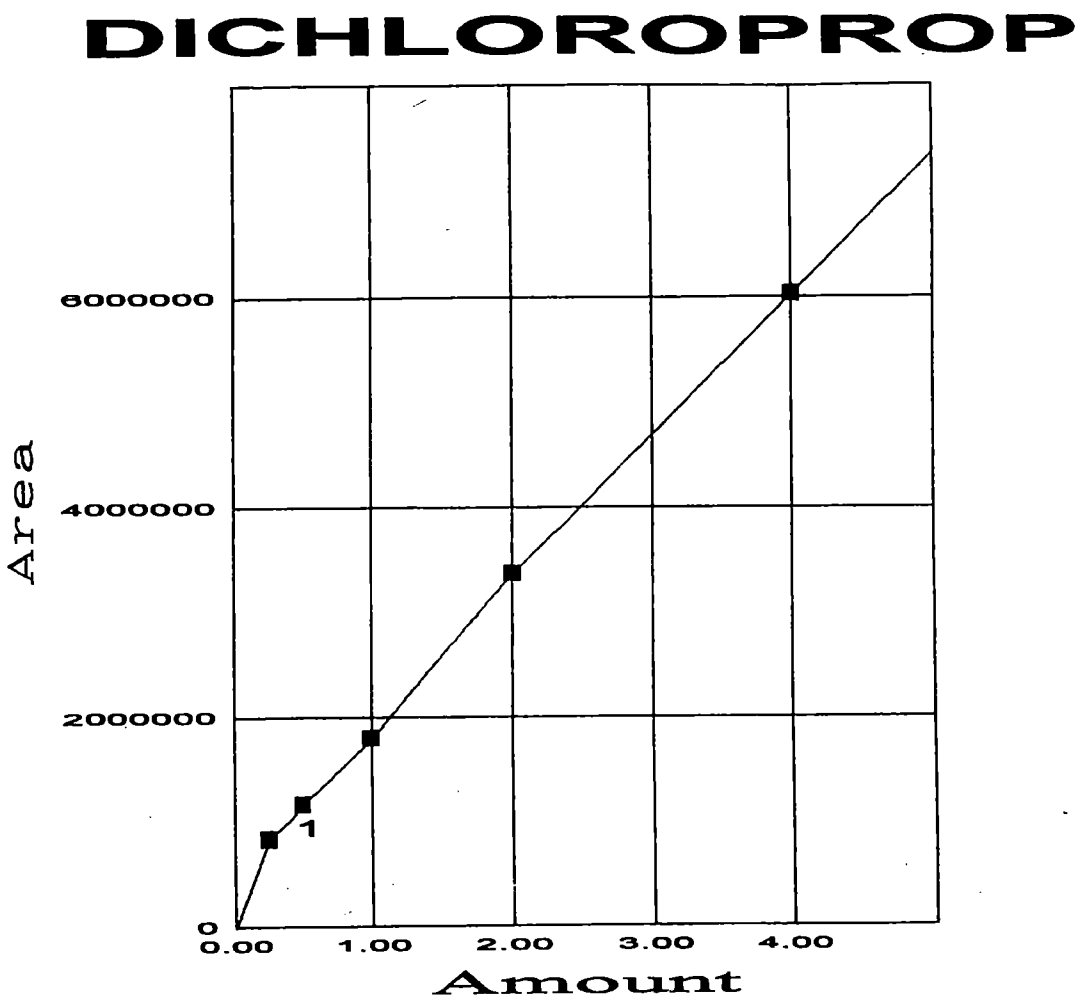
Curve #1 : Point to Point Fit - Forced Through the Origin
Weighting Factor = 1.0 (No Weighting)



CALPLOT Output For Sample File: "C:\2700\DATA\187A8150.SMP"
Date: 12/13/94 Time: 10:14

Curve Parameters:

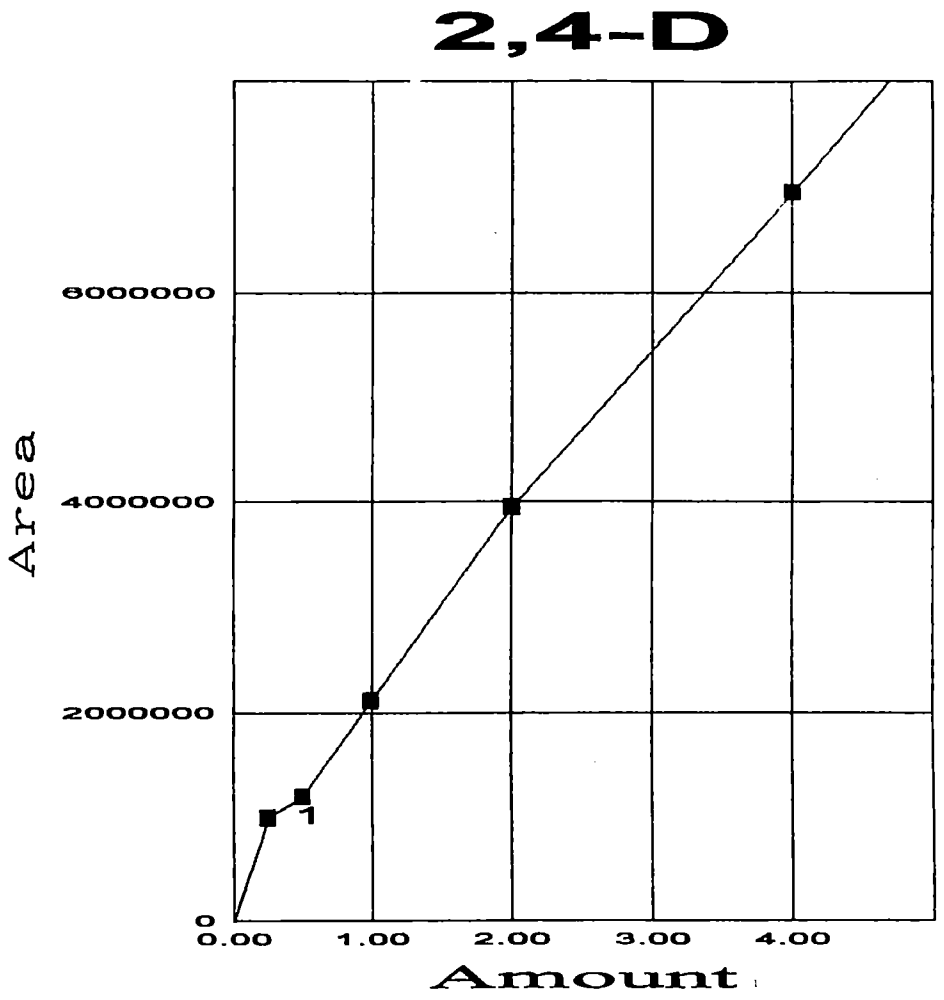
Curve #1 : Point to Point Fit - Forced Through the Origin
Weighting Factor = 1.0 (No Weighting)



CALPLOT Output For Sample File: "C:\2700\DATA\187A8150.SMP"
Date: 12/13/94 Time: 10:14

Curve Parameters:

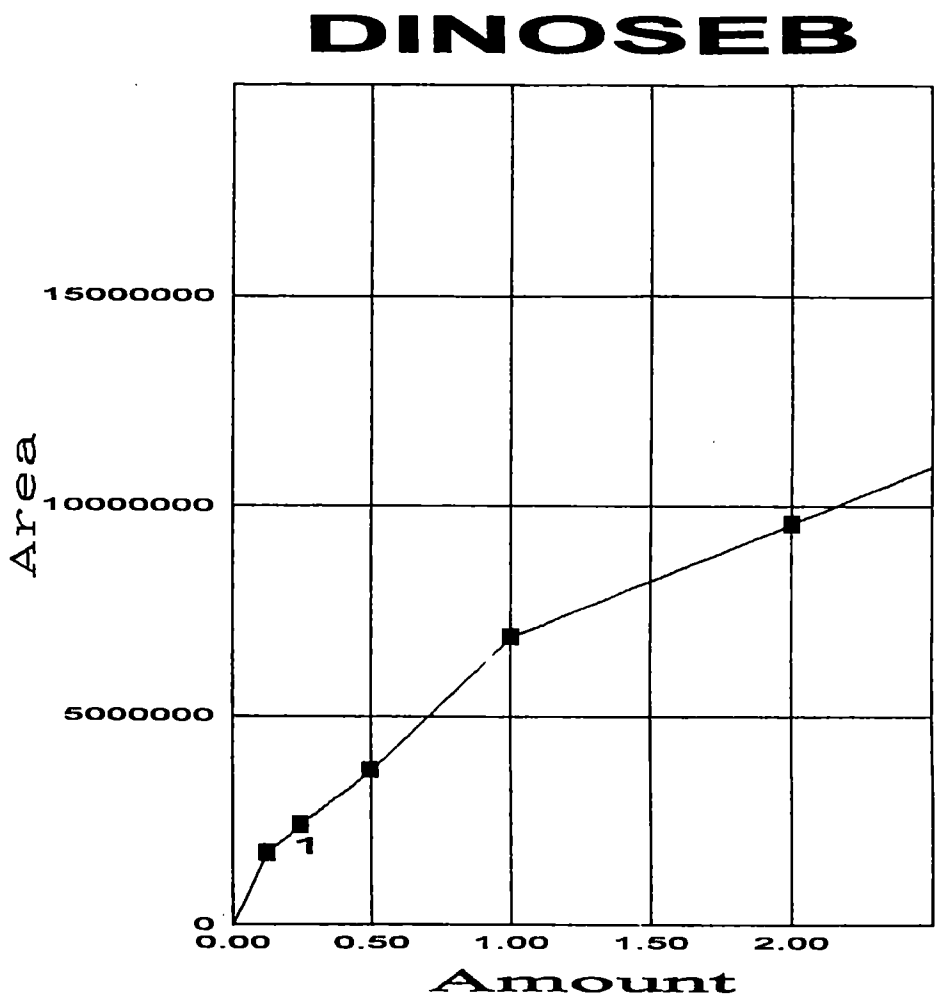
Curve #1 : Point to Point Fit - Forced Through the Origin
Weighting Factor = 1.0 (No Weighting)



CALPLOT Output For Sample File: "C:\2700\DATA\187A8150.SMP"
Date: 12/13/94 Time: 10:14

Curve Parameters:

Curve #1 : Point to Point Fit - Forced Through the Origin
Weighting Factor = 1.0 (No Weighting)



CALIBRATION FACTORS and RSD SUMMARY

STANDARD: 8150 INSTRUMENT: PE1B SEQUENCE: 187

DATA FILE NAME	Sample Name	Sample Number	DALAPON CALIBRATION FACTOR	2,4-DCPAA CALIBRATION FACTOR	DICAMBA CALIBRATION FACTOR	MCPP CALIBRATION FACTOR
187B002.	8150-1	8150-1	1413631.2500	1495980.0000	4661649.0000	2361.7664
187B004.	8150-2	8150-2	1122024.0000	1393704.2500	5079804.5000	3589.9407
187B005.	8150-3	8150-3	1014785.1250	1086943.0000	4220416.0000	2933.4639
187B006.	8150-4	8150-4	784634.6250	1049939.0000	4020319.2500	3107.2793
187B007.	8150-5	8150-5	499594.8438	983313.7500	3945033.7500	2896.3013
Averages			966934.0000	1201976.0000	4385444.5000	2977.7502
%RSD			*35.73	18.94	10.89	14.83

DATA FILE NAME	Sample Name	Sample Number	MCPA CALIBRATION FACTOR	DICHLOROPROP CALIBRATION FACTOR	2,4-D CALIBRATION FACTOR	SILVEX CALIBRATION FACTOR
187B002.	8150-1	8150-1	9210.5928	1453499.6250	1601458.1250	6806821.5000
187B004.	8150-2	8150-2	9407.2051	1336516.2500	1465664.8750	6032061.5000
187B005.	8150-3	8150-3	6256.2017	1028281.2500	1180534.3750	5146153.0000
187B006.	8150-4	8150-4	5918.4863	1012594.1250	1176873.7500	5509800.0000
187B007.	8150-5	8150-5	5666.1079	943449.5000	1109907.8750	5378005.0000
Averages			7291.7188	1154868.1250	1306887.7500	5774568.0000
%RSD			* 25.43	19.51	16.40	11.47

DATA FILE NAME	Sample Name	Sample Number	2,4,5-T CALIBRATION FACTOR	DINOSEB CALIBRATION FACTOR	2,4-DB CALIBRATION FACTOR
187B002.	8150-1	8150-1	6422840.5000	4400806.5000	965298.2500
187B004.	8150-2	8150-2	5626219.0000	3948868.0000	891740.0000
187B005.	8150-3	8150-3	4873994.5000	3[illegible]241.2500	709994.0000
187B006.	8150-4	8150-4	5215505.0000	3243857.0000	717296.4375
187B007.	8150-5	8150-5	5087727.5000	3056464.0000	676944.8750
Averages			5445257.5000	3569847.2500	792254.6875
%RSD			11.23	16.22	16.16

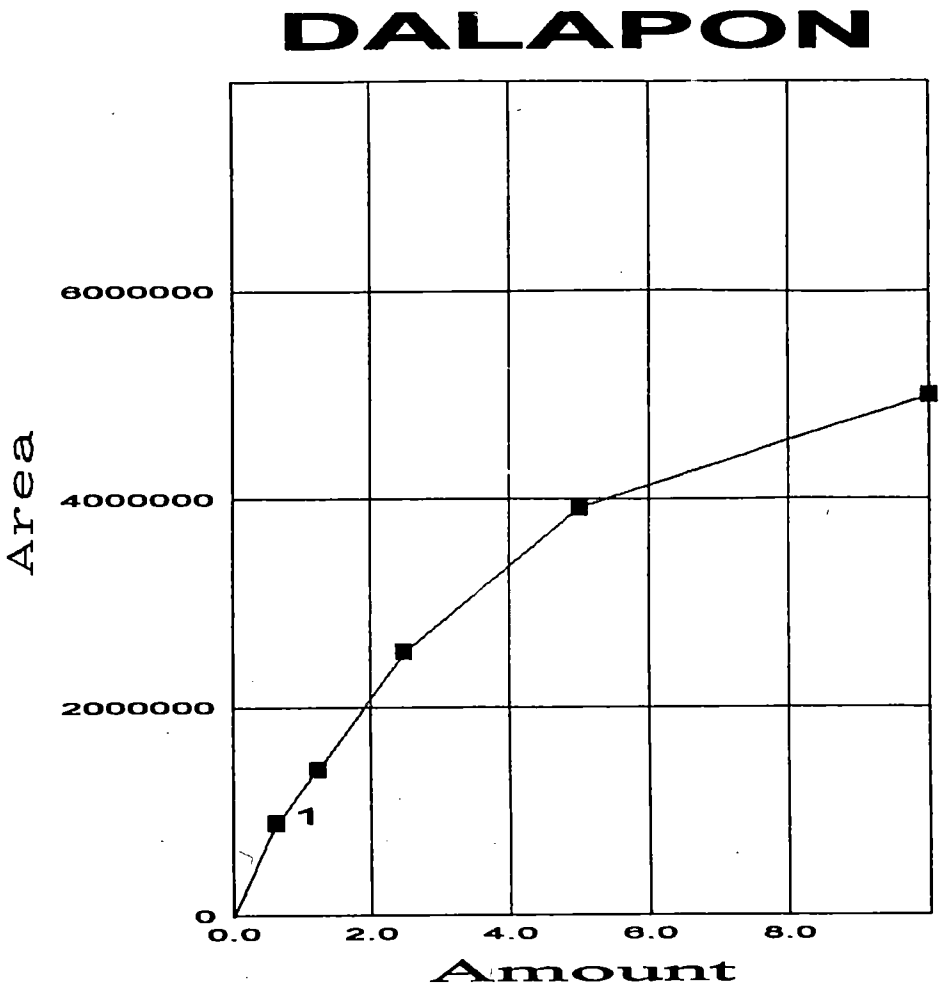
* Calibration curve used to quantitate these components

000151

CALPLOT Output For Samp' File: "C:\2700\DATA\187B8' .SMP"
Date: 1?/9/94 Time: :56

Curve Parameters:

Curve #1 : Point to Point Fit - Forced Through the Origin
Weighting Factor = 1.0 (No Weighting)

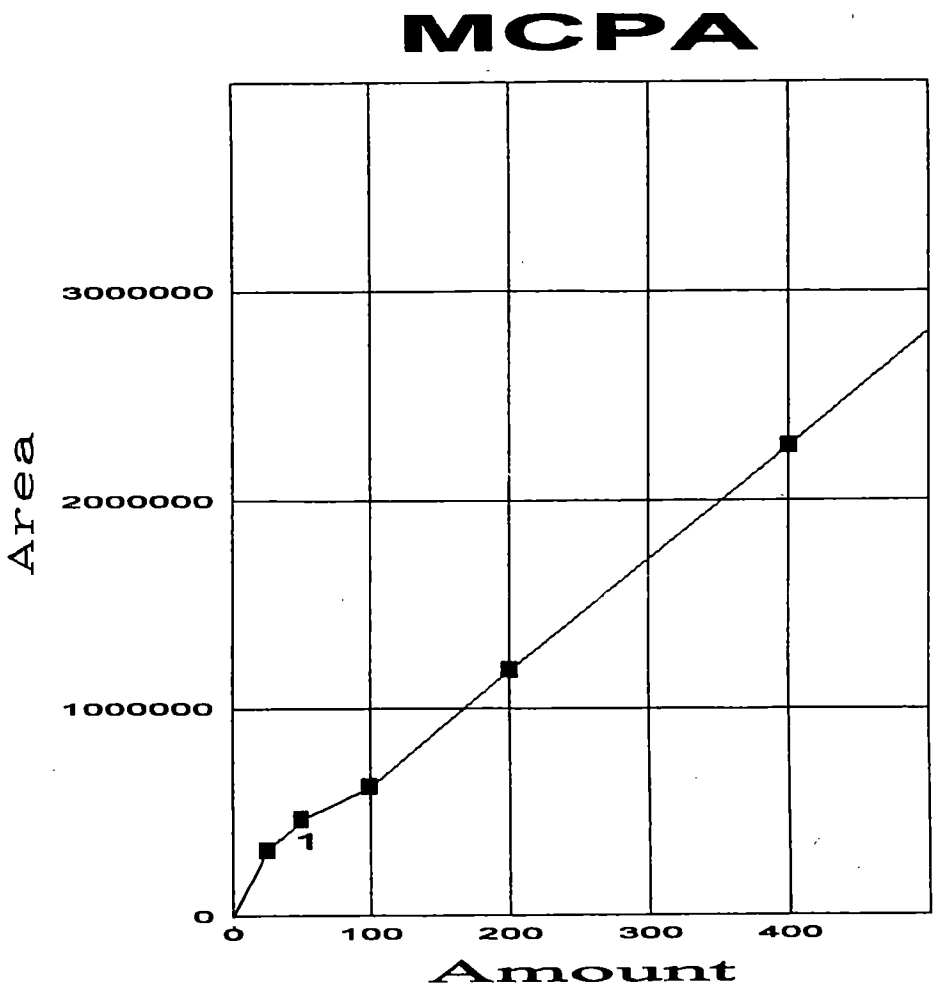


000152

CALPLOT Output For Sample File: "C:\2700\DATA\187B8150.SMP"
Date: 12/9/94 Time: :57

Curve Parameters:

Curve #1 : Point to Point Fit - Forced Through the Origin
Weighting Factor = 1.0 (No Weighting)



STANDARD AREA %D SUMMARY

STANDARD: 8150 INSTRUMENT: HP16 SEQUENCES: 187 187
COLUMN: HP501

2,4-DCPAA

DATA FILE NAME	Sample Name	Sample Number	AREA (SAMPLE)	PERCENT DIFFERENCE | AREA#1 - AREA#2 | / #1 X 100
187B005.	8150-3	8150-3	1086943.0000	
187b022.	8150-3	8150-3	1101141.0000	1.3
Averages			1094042.0000	
%RSD			0.92	

2,4-D

DATA FILE NAME	Sample Name	Sample Number	AREA (SAMPLE)	PERCENT DIFFERENCE | AREA#1 - AREA#2 | / #1 X 100
187B005.	8150-3	8150-3	1180534.3750	
187b022.	8150-3	8150-3	1192436.0000	1.0
Averages			1186485.2500	
%RSD			0.71	

SILVEX

DATA FILE NAME	Sample Name	Sample Number	AREA (SAMPLE)	PERCENT DIFFERENCE | AREA#1 - AREA#2 | / #1 X 100
187B005.	8150-3	8150-3	514615.3125	
187b022.	8150-3	8150-3	520618.0000	1.2
Averages			517616.6563	
%RSD			0.82	

2,4,5-T

DATA FILE NAME	Sample Name	Sample Number	AREA (SAMPLE)	PERCENT DIFFERENCE | AREA#1 - AREA#2 | / #1 X 100
187B005.	8150-3	8150-3	487399.4375	
187b022.	8150-3	8150-3	489107.8125	0.4
Averages			488253.6250	
%RSD			0.25	

DINOSEB

DATA FILE NAME	Sample Name	Sample Number	AREA (SAMPLE)	PERCENT DIFFERENCE | AREA#1 - AREA#2 | / #1 X 100
187B005.	8150-3	8150-3	1599620.6250	
187b022.	8150-3	8150-3	1612298.2500	0.8
Averages			1605959.5000	
%RSD			0.56	

STANDARD AREA %D SUMMARY

STANDARD: 8150 INSTRUMENT: HP1B SEQUENCES: 157 157
COLUMN: HP50F

2,4-DCPAA

DATA FILE NAME	Sample Name	Sample Number	AREA (SAMPLE)	PERCENT DIFFERENCE | AREA#1 - AREA#2 | / #1 X 100
187B005.	8150-3	8150-3	1086943.0000	
187b035.	8150-3	8150-3	1073940.5000	1.2
Averages			1080441.7500	
%RSD			0.85	

2,4-D

DATA FILE NAME	Sample Name	Sample Number	AREA (SAMPLE)	PERCENT DIFFERENCE | AREA#1 - AREA#2 | / #1 X 100
187B005.	8150-3	8150-3	1180534.3750	
187b035.	8150-3	8150-3	1168305.2500	1.0
Averages			1174419.7500	
%RSD			0.74	

SILVEX

DATA FILE NAME	Sample Name	Sample Number	AREA (SAMPLE)	PERCENT DIFFERENCE | AREA#1 - AREA#2 | / #1 X 100
187B005.	8150-3	8150-3	514615.3125	
187b035.	8150-3	8150-3	507680.3750	1.3
Averages			511147.8438	
%RSD			0.96	

2,4,5-T

DATA FILE NAME	Sample Name	Sample Number	AREA (SAMPLE)	PERCENT DIFFERENCE | AREA#1 - AREA#2 | / #1 X 100
187B005.	8150-3	8150-3	487399.4375	
187b035.	8150-3	8150-3	479374.6250	1.6
Averages			483387.0313	
%RSD			1.17	

DINOSEB

DATA FILE NAME	Sample Name	Sample Number	AREA (SAMPLE)	PERCENT DIFFERENCE | AREA#1 - AREA#2 | / #1 X 100
187B005.	8150-3	8150-3	1599620.6250	
187b035.	8150-3	8150-3	1571952.3750	1.0
Averages			1585786.5000	
%RSD			1.23	

STANDARD AREA %D SUMMARY

STANDARD: 8150 INSTRUMENT: HP1 A SEQUENCES: 187 187
COLUMN: DB-1701

DALAPON

DATA FILE NAME	Sample Name	Sample Number	AREA (SAMPLE)	PERCENT DIFFERENCE | AREA#1 - AREA#2 | / #1 X 100
187A005.	8150-3	8150-3	3797901.0000	
187A035.	8150-3	8150-3	3848405.0000	1.3
Averages			3823153.0000	
%RSD			0.93	

2,4-DCPAA

DATA FILE NAME	Sample Name	Sample Number	AREA (SAMPLE)	PERCENT DIFFERENCE | AREA#1 - AREA#2 | / #1 X 100
187A005.	8150-3	8150-3	1546048.7500	
187A035.	8150-3	8150-3	1427503.6250	7.7
Averages			1486776.2500	
%RSD			5.64	

DICAMBA

DATA FILE NAME	Sample Name	Sample Number	AREA (SAMPLE)	PERCENT DIFFERENCE | AREA#1 - AREA#2 | / #1 X 100
187A005.	8150-3	8150-3	824492.0000	
187A035.	8150-3	8150-3	829995.5000	4.9
Averages			827243.7500	
%RSD			0.47	

MCPP

DATA FILE NAME	Sample Name	Sample Number	AREA (SAMPLE)	PERCENT DIFFERENCE | AREA#1 - AREA#2 | / #1 X 100
187A005.	8150-3	8150-3	453949.5000	
187A035.	8150-3	8150-3	451444.0000	0.55
Averages			452696.7500	
%RSD			0.39	

MCPA

DATA FILE NAME	Sample Name	Sample Number	AREA (SAMPLE)	PERCENT DIFFERENCE | AREA#1 - AREA#2 | / #1 X 100
187A005.	8150-3	8150-3	627341.5000	
187A035.	8150-3	8150-3	622565.0000	0.76
Averages			624953.2500	
%RSD			0.54	

DICHLORPROP

DATA FILE NAME	Sample Name	Sample Number	AREA (SAMPLE)	PERCENT DIFFERENCE | AREA#1 - AREA#2 | / #1 X 100
187A005.	8150-3	8150-3	1804651.3750	
187A035.	8150-3	8150-3	1789601.1250	0.83
Averages			1797126.2500	
%RSD			0.59	

2,4-D

DATA FILE NAME	Sample Name	Sample Number	AREA (SAMPLE)	PERCENT DIFFERENCE | AREA#1 - AREA#2 | / #1 X 100
187A005.	8150-3	8150-3	2123911.0000	
187A035.	8150-3	8150-3	2128984.0000	0.24
Averages			2126447.5000	
%RSD			0.17	

SILVEX

DATA FILE NAME	Sample Name	Sample Number	AREA (SAMPLE)	PERCENT DIFFERENCE | AREA#1 - AREA#2 | / #1 X 100
187A005.	8150-3	8150-3	1560441.3750	
187A035.	8150-3	8150-3	1567696.0000	0.46
Averages			1564068.7500	
%RSD			0.33	

2,4,5-T

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

DATA FILE NAME	Sample Name	Sample Number	AREA (SAMPLE)	PERCENT DIFFERENCE | AREA#1 - AREA#2 | / #1 X 100
187A005.	8150-3	8150-3 1	7.7500	
187a035.	8150-3	8150-3 1.	21.2500	1.5
Averages			1495389.5000	
%RSD			1.06	

2,4-DB

DATA FILE NAME	Sample Name	Sample Number	AREA (SAMPLE)	PERCENT DIFFERENCE | AREA#1 - AREA#2 | / #1 X 100
187A005.	8150-3	8150-3	1200850.5000	
187a035.	8150-3	8150-3	1218733.7500	1.5
Averages			1209792.1250	
%RSD			1.05	

DINOSEB

DATA FILE NAME	Sample Name	Sample Number	AREA (SAMPLE)	PERCENT DIFFERENCE | AREA#1 - AREA#2 | / #1 X 100
187A005.	8150-3	8150-3	3691070.0000	
187a035.	8150-3	8150-3	3685093.2500	0.16
Averages			3688081.5000	
%RSD			0.12	

STANDARD AREA %D SUMMARY

STANDARD: 8150 INSTRUMENT: HP1B SEQUENCES: 187 187
COLUMN: HP 50+

DALAPON

DATA FILE NAME	Sample Name	Sample Number	AREA (SAMPLE)	PERCENT DIFFERENCE | AREA#1 - AREA#2 | / #1 X 100
187B005.	8150-3	8150-3	2536962.7500	
187B035.	8150-3	8150-3	2619961.5000	3.3
Averages			2578462.0000	
%RSD			2.28	

2,4-DCPAA

DATA FILE NAME	Sample Name	Sample Number	AREA (SAMPLE)	PERCENT DIFFERENCE | AREA#1 - AREA#2 | / #1 X 100
187B005.	8150-3	8150-3	1086943.0000	
187B035.	8150-3	8150-3	1073940.5000	1.2
Averages			1080441.7500	
%RSD			0.85	

DICAMBA

DATA FILE NAME	Sample Name	Sample Number	AREA (SAMPLE)	PERCENT DIFFERENCE | AREA#1 - AREA#2 | / #1 X 100
187B005.	8150-3	8150-3	422041.6250	
187B035.	8150-3	8150-3	414260.0000	1.8
Averages			418150.8125	
%RSD			1.32	

MCPP

DATA FILE NAME	Sample Name	Sample Number	AREA (SAMPLE)	PERCENT DIFFERENCE | AREA#1 - AREA#2 | / #1 X 100
187B005.	8150-3	8150-3	293346.3750	
187B035.	8150-3	8150-3	290390.5000	1.0
Averages			291868.4375	
%RSD			0.72	

MCPA

DATA FILE NAME	Sample Name	Sample Number	AREA (SAMPLE)	PERCENT DIFFERENCE | AREA#1 - AREA#2 | / #1 X 100
187B005.	8150-3	8150-3	625620.1875	
187B035.	8150-3	8150-3	693466.0000	10.8
Averages			659543.1250	
%RSD			7.27	

DICHL ROPROP

DATA FILE NAME	Sample Name	Sample Number	AREA (SAMPLE)	PERCENT DIFFERENCE | AREA#1 - AREA#2 | / #1 X 100
187B005.	8150-3	8150-3	1028281.2500	
187B035.	8150-3	8150-3	1007622.9375	2.0
Averages			1017952.1250	
%RSD			1.44	

2,4-D

DATA FILE NAME	Sample Name	Sample Number	AREA (SAMPLE)	PERCENT DIFFERENCE | AREA#1 - AREA#2 | / #1 X 100
187B005.	8150-3	8150-3	1180534.3750	
187B035.	8150-3	8150-3	1168305.2500	1.0
Averages			1174419.7500	
%RSD			0.74	

SILVEX

DATA FILE NAME	Sample Name	Sample Number	AREA (SAMPLE)	PERCENT DIFFERENCE | AREA#1 - AREA#2 | / #1 X 100
187B005.	8150-3	8150-3	514615.3125	
187B035.	8150-3	8150-3	507680.3750	1.3
Averages			511147.8438	
%RSD			0.96	

000158

2,4,5-T

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

DATA FILE NAME	Sample Name	Sample Number	AREA (SAMPLE)	PERCENT DIFFERENCE | AREA#1 - AREA#2 | / #1 X 100
187B005.	P150-3	8150-3	4E .4375	
187B035.	8150-3	8150-3	475[illegible]4.6250	1.6
Averages			483387.0313	
%RSD			1.17	

2,4-DB

DATA FILE NAME	Sample Name	Sample Number	AREA (SAMPLE)	PERCENT DIFFERENCE | AREA#1 - AREA#2 | / #1 X 100
187B005.	8150-3	8150-3	709994.0000	
187B035.	8150-3	8150-3	702794.5000	1.0
Averages			706394.2500	
%RSD			0.72	

DINOSEB

DATA FILE NAME	Sample Name	Sample Number	AREA (SAMPLE)	PERCENT DIFFERENCE | AREA#1 - AREA#2 | / #1 X 100
187B005.	8150-3	8150-3	1599620.6250	
187B035.	8150-3	8150-3	1571952.3750	1.7
Averages			1585786.5000	
%RSD			1.23	

STANDARD AREA %D SUMMARY

STANDARD: 8150 INSTRUMENT: HP1 A SEQUENCES: 187 187
COLUMN: DB-1701

DALAPON

DATA FILE NAME	Sample Name	Sample Number	AREA (SAMPLE)	PERCENT DIFFERENCE | AREA#1 - AREA#2 | / #1 X 100
187A005.	8150-3	8150-3	3797901.0000	
187A048.	8150-3	8150-3	3880449.7500	2.2
Averages			3839175.5000	
%RSD			1.52	

2,4-DCPAA

DATA FILE NAME	Sample Name	Sample Number	AREA (SAMPLE)	PERCENT DIFFERENCE | AREA#1 - AREA#2 | / #1 X 100
187A005.	8150-3	8150-3	1546048.7500	
187A048.	8150-3	8150-3	1488183.7500	3.7
Averages			1517116.2500	
%RSD			2.70	

DICAMBA

DATA FILE NAME	Sample Name	Sample Number	AREA (SAMPLE)	PERCENT DIFFERENCE | AREA#1 - AREA#2 | / #1 X 100
187A005.	8150-3	8150-3	824492.0000	
187A048.	8150-3	8150-3	851773.2500	3.3
Averages			838132.6250	
%RSD			2.30	

MCPP

DATA FILE NAME	Sample Name	Sample Number	AREA (SAMPLE)	PERCENT DIFFERENCE | AREA#1 - AREA#2 | / #1 X 100
187A005.	8150-3	8150-3	453949.5000	
187A048.	8150-3	8150-3	463306.4688	2.1
Averages			458628.0000	
%RSD			1.44	

MCPA

DATA FILE NAME	Sample Name	Sample Number	AREA (SAMPLE)	PERCENT DIFFERENCE | AREA#1 - AREA#2 | / #1 X 100
187A005.	8150-3	8150-3	627341.5000	
187A048.	8150-3	8150-3	633612.5000	1.0
Averages			630477.0000	
%RSD			0.70	

DICHLOROPROP

DATA FILE NAME	Sample Name	Sample Number	AREA (SAMPLE)	PERCENT DIFFERENCE | AREA#1 - AREA#2 | / #1 X 100
187A005.	8150-3	8150-3	1804651.3750	
187A048.	8150-3	8150-3	1835230.8750	1.7
Averages			1819941.1250	
%RSD			1.19	

2,4-D

DATA FILE NAME	Sample Name	Sample Number	AREA (SAMPLE)	PERCENT DIFFERENCE | AREA#1 - AREA#2 | / #1 X 100
187A005.	8150-3	8150-3	2123911.0000	
187A048.	8150-3	8150-3	2169536.2500	2.1
Averages			2146723.5000	
%RSD			1.50	

SILVEX

DATA FILE NAME	Sample Name	Sample Number	AREA (SAMPLE)	PERCENT DIFFERENCE | AREA#1 - AREA#2 | / #1 X 100
187A005.	8150-3	8150-3	1560441.3750	
187A048.	8150-3	8150-3	1590042.1250	1.9
Averages			1575241.7500	
%RSD			1.33	

2,4,5-T

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

DATA FILE NAME	Sample Name	Sample Number	AREA (SAMPLE)	PERCENT DIFFERENCE | AREA#1 - AREA#2 | / #1 X 100
187A005.	8150-3	8150-3	14[illegible].7500	
187a048.	8150-3	8150-3	1521183.6250	2.5
Averages			1502670.7500	
%RSD			1.74	

2,4-DB

DATA FILE NAME	Sample Name	Sample Number	AREA (SAMPLE)	PERCENT DIFFERENCE | AREA#1 - AREA#2 | / #1 X 100
187A005.	8150-3	8150-3	1200850.5000	
187a048.	8150-3	8150-3	1245327.1250	3.7
Averages			1223088.7500	
%RSD			2.57	

DINOSEB

DATA FILE NAME	Sample Name	Sample Number	AREA (SAMPLE)	PERCENT DIFFERENCE | AREA#1 - AREA#2 | / #1 X 100
187A005.	8150-3	8150-3	3691070.0000	
187a048.	8150-3	8150-3	3737366.7500	1.3
Averages			3714218.5000	
%RSD			0.88	

STANDARD AREA %D SUMMARY

STANDARD: 8150 INSTRUMENT: HP1 B SEQUENCES: 187 187
COLUMN: HP 50+

DALAPON

DATA FILE NAME	Sample Name	Sample Number	AREA (SAMPLE)	PERCENT DIFFERENCE | AREA#1 - AREA#2 | / #1 X 100
187B005.	8150-3	8150-3	2536962.7500	
187B048.	8150-3	8150-3	2669753.0000	5.2
Averages			2603358.0000	
%RSD			3.61	

2,4-DCPAA

DATA FILE NAME	Sample Name	Sample Number	AREA (SAMPLE)	PERCENT DIFFERENCE | AREA#1 - AREA#2 | / #1 X 100
187B005.	8150-3	8150-3	1086943.0000	
187B048.	8150-3	8150-3	1096697.5000	0.9
Averages			1091820.2500	
%RSD			0.63	

DICAMBA

DATA FILE NAME	Sample Name	Sample Number	AREA (SAMPLE)	PERCENT DIFFERENCE | AREA#1 - AREA#2 | / #1 X 100
187B005.	8150-3	8150-3	422041.6250	
187B048.	8150-3	8150-3	414508.2188	1.8
Averages			418274.9375	
%RSD			1.27	

MCPP

DATA FILE NAME	Sample Name	Sample Number	AREA (SAMPLE)	PERCENT DIFFERENCE | AREA#1 - AREA#2 | / #1 X 100
187B005.	8150-3	8150-3	293346.3750	
187B048.	8150-3	8150-3	299868.5313	2.2
Averages			296607.4375	
%RSD			1.56	

MCPA

DATA FILE NAME	Sample Name	Sample Number	AREA (SAMPLE)	PERCENT DIFFERENCE | AREA#1 - AREA#2 | / #1 X 100
187B005.	8150-3	8150-3	625620.1875	
187B048.	8150-3	8150-3	687256.2500	9.9
Averages			656438.2500	
%RSD			6.64	

DICHLOROPROP

DATA FILE NAME	Sample Name	Sample Number	AREA (SAMPLE)	PERCENT DIFFERENCE | AREA#1 - AREA#2 | / #1 X 100
187B005.	8150-3	8150-3	1028281.2500	
187B048.	8150-3	8150-3	1028135.7500	.01
Averages			1028208.5000	
%RSD			0.01	

2,4-D

DATA FILE NAME	Sample Name	Sample Number	AREA (SAMPLE)	PERCENT DIFFERENCE | AREA#1 - AREA#2 | / #1 X 100
187B005.	8150-3	8150-3	1180534.3750	
187B048.	8150-3	8150-3	1199908.7500	1.6
Averages			1190221.5000	
%RSD			1.15	

SILVEX

DATA FILE NAME	Sample Name	Sample Number	AREA (SAMPLE)	PERCENT DIFFERENCE | AREA#1 - AREA#2 | / #1 X 100
187B005.	8150-3	8150-3	514615.3125	
187B048.	8150-3	8150-3	528156.6250	2.6
Averages			521385.9688	
%RSD			1.84	

000162

2,4,5-T

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

DATA FILE NAME	Sample Name	Sample Number	AREA (SAMPLE)	PERCENT DIFFERENCE | AREA#1 - AREA#2 | / #1 X 100
187B005.	8150-3	8150-3	4[illegible].4375	
187B048.	8150-3	8150-3	50[illegible].0000	3.3
Averages			495523.2188	
%RSD			2.32	

2,4-DB

DATA FILE NAME	Sample Name	Sample Number	AREA (SAMPLE)	PERCENT DIFFERENCE | AREA#1 - AREA#2 | / #1 X 100
187B005.	8150-3	8150-3	709994.0000	
187B048.	8150-3	8150-3	727589.8750	2.5
Averages			718791.9375	
%RSD			1.73	

DINOSEB

DATA FILE NAME	Sample Name	Sample Number	AREA (SAMPLE)	PERCENT DIFFERENCE | AREA#1 - AREA#2 | / #1 X 100
187B005.	8150-3	8150-3	1599620.6250	
187B048.	8150-3	8150-3	1635758.5000	2.3
Averages			1617689.5000	
%RSD			1.58	

RT WINDOW SUMMARY REPORT

STANDARD: 8150 INSTRUMENT: PE1B SEQUENCE: 187

File Name	Sample Name	Sample Number	DALAPON RT (actual)	DALAPON RT WINDOW FROM	DALAPON RT WINDOW TO	2,4-DCPAA RT (actual)	2,4-DCPAA RT WINDOW FROM	2,4-DCPAA RT WINDOW TO
187B002.	8150-1	8150-1	1.54	1.47	1.61	9.12	9.05	9.19
187B004.	8150-2	8150-2	1.54	1.47	1.61	9.12	9.05	9.19
187B005.	8150-3	8150-3	1.53	1.46	1.60	9.12	9.05	9.19
187B006.	8150-4	8150-4	1.55	1.48	1.62	9.12	9.05	9.19
187B007.	8150-5	8150-5	1.56	1.49	1.63	9.12	9.05	9.19
Averages			1.54	1.47	1.61	9.12	9.05	9.19

File Name	Sample Name	Sample Number	DICAMBA RT (actual)	DICAMBA RT WINDOW FROM	DICAMBA RT WINDOW TO	MCPP RT (actual)	MCPP RT WINDOW FROM	MCPP RT WINDOW TO
187B002.	8150-1	8150-1	9.72	9.65	9.79	9.86	9.79	9.93
187B004.	8150-2	8150-2	9.72	9.65	9.79	9.86	9.79	9.93
187B005.	8150-3	8150-3	9.72	9.65	9.79	9.86	9.79	9.93
187B006.	8150-4	8150-4	9.72	9.65	9.79	9.86	9.79	9.93
187B007.	8150-5	8150-5	9.74	9.67	9.81	9.87	9.80	9.94
Averages			9.72	9.65	9.79	9.86	9.79	9.93

File Name	Sample Name	Sample Number	MCPA RT (actual)	MCPA RT WINDOW FROM	MCPA RT WINDOW TO	DICHLOROPROP RT (actual)	DICHLOROPROP RT WINDOW FROM	DICHLOROPROP RT WINDOW TO
187B002.	8150-1	8150-1	10.90	10.83	10.97	11.85	11.78	11.92
187B004.	8150-2	8150-2	10.90	10.83	10.97	11.86	11.79	11.93
187B005.	8150-3	8150-3	10.90	10.83	10.97	11.86	11.79	11.93
187B006.	8150-4	8150-4	10.91	10.84	10.98	11.85	11.78	11.92
187B007.	8150-5	8150-5	10.93	10.86	11.00	11.85	11.78	11.92
Averages			10.91	10.84	10.98	11.85	11.78	11.92

File Name	Sample Name	Sample Number	2,4-D RT (actual)	2,4-D RT WINDOW FROM	2,4-D RT WINDOW TO	SILVEX RT (actual)	SILVEX RT WINDOW FROM	SILVEX RT WINDOW TO
187B002.	8150-1	8150-1	13.36	13.29	13.43	15.66	15.59	15.73
187B004.	8150-2	8150-2	13.36	13.29	13.43	15.67	15.60	15.74
187B005.	8150-3	8150-3	13.36	13.29	13.43	15.67	15.60	15.74
187B006.	8150-4	8150-4	13.35	13.28	13.42	15.66	15.59	15.73
187B007.	8150-5	8150-5	13.36	13.29	13.43	15.66	15.59	15.73
Averages			13.36	13.29	13.43	15.66	15.59	15.73

File Name	Sample Name	Sample Number	2,4,5-T RT (actual)	2,4,5-T RT WINDOW FROM	2,4,5-T RT WINDOW TO	DINOSEB RT (actual)	DINOSEB RT WINDOW FROM	DINOSEB RT WINDOW TO
187B002.	8150-1	8150-1	17.43	17.36	17.50	17.83	17.76	17.90
187B004.	8150-2	8150-2	17.43	17.36	17.50	17.83	17.76	17.90
187B005.	8150-3	8150-3	17.43	17.36	17.50	17.83	17.76	17.90
187B006.	8150-4	8150-4	17.42	17.35	17.49	17.83	17.76	17.90
187B007.	8150-5	8150-5	17.42	17.35	17.49	17.83	17.76	17.90
Averages			17.42	17.35	17.49	17.83	17.76	17.90

File Name	Sample Name	Sample Number	2,4-DB RT (actual)	2,4-DB RT WINDOW FROM	2,4-DB RT WINDOW TO
187B002.	8150-1	8150-1	18.94	18.87	19.01
187B004.	8150-2	8150-2	18.94	18.87	19.01
187B005.	8150-3	8150-3	18.93	18.86	19.00
187B006.	8150-4	8150-4	18.92	18.85	18.99
187B007.	8150-5	8150-5	18.92	18.85	18.99
Averages			18.93	18.86	...00

RT WINDOW SUMMARY REPORT

STANDARD: 8150 INSTRUMENT: HP1A SEQUENCE: 187

File Name	Sample Name	Sample Number	DALAPON RT (actual)	DALAPON RT WINDOW FROM	DALAPON RT WINDOW TO	2,4-DCPAA RT (actual)	2,4-DCPAA RT WINDOW FROM	2,4-DCPAA RT WINDOW TO
187A035.	8150-3	8150-3	1.54	1.47	1.61	8.29	8.22	8.36
Averages			1.54	1.47	1.61	8.29	8.22	8.36

File Name	Sample Name	Sample Number	DICAMBA RT (actual)	DICAMBA RT WINDOW FROM	DICAMBA RT WINDOW TO	MCPP RT (actual)	MCPP RT WINDOW FROM	MCPP RT WINDOW TO
187A035.	8150-3	8150-3	8.73	8.66	8.80	9.23	9.16	9.30
Averages			8.73	8.66	8.80	9.23	9.16	9.30

File Name	Sample Name	Sample Number	MCPA RT (actual)	MCPA RT WINDOW FROM	MCPA RT WINDOW TO	DICHLOROPROP RT (actual)	DICHLOROPROP RT WINDOW FROM	DICHLOROPROP RT WINDOW TO
187A035.	8150-3	8150-3	10.10	10.03	10.17	11.16	11.09	11.23
Averages			10.10	10.03	10.17	11.16	11.09	11.23

File Name	Sample Name	Sample Number	2,4-D RT (actual)	2,4-D RT WINDOW FROM	2,4-D RT WINDOW TO	SILVEX RT (actual)	SILVEX RT WINDOW FROM	SILVEX RT WINDOW TO
187A035.	8150-3	8150-3	12.46	12.39	12.53	14.97	14.90	15.04
Averages			12.46	12.39	12.53	14.97	14.90	15.04

File Name	Sample Name	Sample Number	2,4,5-T RT (actual)	2,4,5-T RT WINDOW FROM	2,4,5-T RT WINDOW TO	2,4-DB RT (actual)	2,4-DB RT WINDOW FROM	2,4-DB RT WINDOW TO
187A035.	8150-3	8150-3	16.55	16.48	16.62	18.18	18.11	18.25
Averages			16.55	16.48	16.62	18.18	18.11	18.25

File Name	Sample Name	Sample Number	DINOSEB RT (actual)	DINOSEB RT WINDOW FROM	DINOSEB RT WINDOW TO
187A035.	8150-3	8150-3	19.68	19.61	19.75
Averages			19.68	19.61	19.75

RT WINDOW SUMMARY REPORT

STANDARD: 8150 INSTRUMENT: HP1 B SEQUENCE: 187

File Name	Sample Name	Sample Number	DALAPON RT (actual)	DALAPON RT WINDOW FROM	DALAPON RT WINDOW TO	2,4-DCPAA RT (actual)	2,4-DCPAA RT WINDOW FROM	2,4-DCPAA RT WINDOW TO
187B035. 8150-3		8150-3	1.54	1.47	1.61	9.12	9.05	9.19
Averages			1.54	1.47	1.61	9.12	9.05	9.19

File Name	Sample Name	Sample Number	DICAMBA RT (actual)	DICAMBA RT WINDOW FROM	DICAMBA RT WINDOW TO	MCPP RT (actual)	MCPP RT WINDOW FROM	MCPP RT WINDOW TO
187B035. 8150-3		8150-3	9.72	9.65	9.79	9.86	9.79	9.93
Averages			9.72	9.65	9.79	9.86	9.79	9.93

File Name	Sample Name	Sample Number	MCPA RT (actual)	MCPA RT WINDOW FROM	MCPA RT WINDOW TO	DICHLOROPROP RT (actual)	DICHLOROPROP RT WINDOW FROM	DICHLOROPROP RT WINDOW TO
187B035. 8150-3		8150-3	10.90	10.83	10.97	11.86	11.79	11.93
Averages			10.90	10.83	10.97	11.86	11.79	11.93

File Name	Sample Name	Sample Number	2,4-D RT (actual)	2,4-D RT WINDOW FROM	2,4-D RT WINDOW TO	SILVEX RT (actual)	SILVEX RT WINDOW FROM	SILVEX RT WINDOW TO
187B035. 8150-3		8150-3	13.36	13.29	13.43	15.67	15.60	15.74
Averages			13.36	13.29	13.43	15.67	15.60	15.74

File Name	Sample Name	Sample Number	2,4,5-T RT (actual)	2,4,5-T RT WINDOW FROM	2,4,5-T RT WINDOW TO	2,4-DB RT (actual)	2,4-DB RT WINDOW FROM	2,4-DB RT WINDOW TO
187B035. 8150-3		8150-3	17.43	17.36	17.50	18.93	18.86	19.00
Averages			17.43	17.36	17.50	18.93	18.86	19.00

File Name	Sample Name	Sample Number	DINOSEB RT (actual)	DINOSEB RT WINDOW FROM	DINOSEB RT WINDOW TO
187B035. 8150-3		8150-3	17.83	17.76	17.90
Averages			17.83	17.76	17.90

Metals Data

NYTEST ENVIRONMENTAL INC.

INORGANICS ANALYSIS DATA SHEET

SAMPLE NO. 2044-1

Lab Name: NYTEST_ENV_INC. Contract: 9421415

Lab Code: NYTEST Login No.: 22633 QC Report No.22633

Matrix (soil/water): WATER
Level (low/high) : LOW
Percent Solids : 0.0

Lab Sample ID: 263322
Date Received: 11/30/94

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7439-92-1	Lead	5.2		N	F

CODES :
P: ICP; F : GFAA; CV: Cold Vapor; AS: Automated Spectrophotometric
Note: A "U" in the "C" (Concentration) column indicates the analyte was not detected in this sample; "B" = Sample value greater than Instrument Detection Limit, but less than reporting limit; "NR" = Not Required.

Comments:
2044-1

NYTEST ENVIRONMENTAL INC.

INORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

2044-2

Lab Name: NYTEST_ENV_INC._____ Contract: 9421415___

Lab Code: NYTEST Login No.: 22633_ QC Report No.22633_

Matrix (soil/water): WATER
Level (low/high) : LOW
Percent Solids : __0.0

Lab Sample ID: 263323____
Date Received: 11/30/94

Concentration Units (ug/L or mg/kg dry weight): UG/L_

CAS No.	Analyte	Concentration	C	Q	M
7439-92-1	Lead	3.0	U	N	F

CODES :
P: ICP; F : GFAA; CV: Cold Vapor; AS: Automated Spectrophotometric
Note: A "U" in the "C" (Concentration) column indicates the analyte was not detected in this sample; "B" = Sample value greater than Instrument Detection Limit, but less than reporting limit; "NR" = Not Required.

Comments:
2044-2

000169

NYTEST ENVIRONMENTAL INC.

INORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

2044-3

Lab Name: NYTEST_ENV_INC._____ Contract: 9421415___

Lab Code: NYTEST Login No.: 22633_ QC Report No.22633_

Matrix (soil/water): WATER
Level (low/high) : LOW
Percent Solids : __0.0

Lab Sample ID: 263324____
Date Received: 11/30/94

Concentration Units (ug/L or mg/kg dry weight): UG/L_

CAS No.	Analyte	Concentration	C	Q	M
7439-92-1	Lead	3.0	U	N	F

CODES :
P: ICP; F : GFAA; CV: Cold Vapor; AS: Automated Spectrophotometric
Note: A "U" in the "C" (Concentration) column indicates the analyte was not detected in this sample; "B" = Sample value greater than Instrument Detection Limit, but less than reporting limit; "NR" = Not Required.

Comments:
2044-3

000170

NYTEST ENVIRONMENTAL INC.

INORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

2044-FB

Lab Name: NYTEST_ENV_INC._____ Contract: 9421415___

Lab Code: NYTEST Login No.: 22633_ QC Report No.22633_

Matrix (soil/water): WATER Lab Sample ID: 263325____
Level (low/high) : LOW Date Received: 11/30/94
Percent Solids : __0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L_

CAS No.	Analyte	Concentration	C	Q	M
7439-92-1	Lead	3.0	U	N	F

CODES :
P: ICP; F : GFAA; CV: Cold Vapor; AS: Automated Spectrophotometric
Note: A "U" in the "C" (Concentration) column indicates the analyte was not detected in this sample; "B" = Sample value greater than Instrument Detection Limit, but less than reporting limit; "NR" = Not Required.

Comments:
2044-FB

000171

NYTEST ENVIRONMENTAL INC.

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: NYTEST_ENV_INC._____ Contract: 9421415___

Lab Code: NYTEST Login No.: 22633_ QC Report No.: 22633_

Initial Calibration Source: SPEX_____

Continuing Calibration Source: SPEX_____

Concentration Units: ug/L

Analyte	Initial Calibration True	Found	%R(1)	Continuing Calibration True	Found	%R(1)	Found	%R(1)	M
Lead	90.0	97.00	107.8	50.0	51.20	102.4	52.00	104.0	F

R : Analyte Not Required

000173

NYTEST ENVIRONMENTAL INC.

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: NYTEST_ENV_INC._____ Contract: 9421415___

Lab Code: NYTEST Login No.: 22633_ QC Report No.: 22633_

Initial Calibration Source: SPEX_____

Continuing Calibration Source: SPEX_____

Concentration Units: ug/L

Analyte	Initial Calibration True	Found	%R(1)	Continuing Calibration True	Found	%R(1)	Found	%R(1)	M
Lead				50.0	53.30	106.6	52.10	104.2	F

NR : Analyte Not Required

NYTEST ENVIRONMENTAL INC.

INITIAL AND CONTINUING CALIBRATION VERIFICATION

ab Name: NYTEST_ENV_INC._____ Contract: 9421415___

ab Code: NYTEST Login No.: 22633_ QC Report No.: 22633_

nitial Calibration Source: SPEX_____

ontinuing Calibration Source: SPEX_____

Concentration Units: ug/L

Analyte	Initial Calibration True	Found	%R(1)	Continuing Calibration rue	Found	%R(1)	Found	%R(1)	M
Lead				50.0	53.10	106.2	52.10	104.2	F

NR : Analyte Not Required

NYTEST ENVIRONMENTAL INC.

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: NYTEST_ENV_INC._____ Contract: 9421415___

Lab Code: NYTEST Login No.: 22633_ QC Report No.: 22633_

Initial Calibration Source: SPEX_____

Continuing Calibration Source: SPEX_____

Concentration Units: ug/L

Analyte	Initial Calibration True	Found	%R(1)	Continuing Calibration True	Found	%R(1)	Found	%R(1)	M
Lead				50.0	54.00	108.0	53.50	107.0	F

R : Analyte Not Required

NYTEST ENVIRONMENTAL INC.

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: NYTEST_ENV_INC._____ Contract: 9421415___

Lab Code: NYTEST Login No.: 22633_ QC Report No.: 22633_

Initial Calibration Source: SPEX_____

Continuing Calibration Source: SPEX_____

Concentration Units: ug/L

Analyte	Initial Calibration True	Found	%R(1)	Continuing Calibration True	Found	%R(1)	Found	%R(1)	M
Lead				50.0	52.90	105.8	52.90	105.8	F

R : Analyte Not Required

INITIAL AND CONTINUING CALIBRATION VERIFICATION

ab Name: NYTEST_ENV_INC._____ Contract: 9421415___

ab Code: NYTEST Login No.: 22633_ QC Report No.: 22633_

Initial Calibration Source: SPEX_____

ntinuing Calibration Source: SPEX_____

Concentration Units: ug/L

Analyte	Initial Calibration True	Found	%R(1)	Continuing Calibration True	Found	%R(1)	Found	%R(1)	M
ead				50.0	52.70	105.4	51.90	103.8	F

R : Analyte Not Required

NYTEST ENVIRONMENTAL INC.

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: NYTEST_ENV_INC._____ Contract: 9421415___

Lab Code: NYTEST Login No.: 22633_ QC Report No.: 22633_

Initial Calibration Source: SPEX_____

Continuing Calibration Source: SPEX_____

Concentration Units: ug/L

Analyte	Initial Calibration True	Found	%R(1)	Continuing Calibration True	Found	%R(1)	Found	%R(1)	M
Lead				50.0	51.40	102.8	51.70	103.4	F

NR : Analyte Not Required

YTEST ENVIRONMENTAL INC.

INITIAL AND CONTINUING CALIBRATION VERIFICATION

ab Name: NYTEST_ENV_INC._____ Contract: 9421415___

ab Code: NYTEST Login No.: 22633_ QC Report No.: 22633_

Initial Calibration Source: SPEX_____

ontinuing Calibration Source: SPEX_____

Concentration Units: ug/L

Analyte	Initial Calibration True	Found	%R(1)	Continuing Calibration True	Found	%R(1)	Found	%R(1)	M
Lead				50.0	51.60	103.2	52.20	104.4	F

R : Analyte Not Required

NYTEST ENVIRONMENTAL INC.

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: NYTEST_ENV_INC._____ Contract: 9421415___

Lab Code: NYTEST Login No.: 22633_ QC Report No.: 22633_

Initial Calibration Source: SPEX_____

Continuing Calibration Source: SPEX_____

Concentration Units: ug/L

Analyte	Initial Calibration True	Found	%R(1)	Continuing Calibration True	Found	%R(1)	Found	%R(1)	M
Lead				50.0	53.00	106.0	53.90	107.8	F

R : Analyte Not Required

NYTEST ENVIRONMENTAL INC.

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: NYTEST_ENV_INC._____ Contract: 9421415___

ab Code: NYTEST Login No.: 22633_ QC Report No.: 22633_

Initial Calibration Source: SPEX_____

ontinuing Calibration Source: SPEX_____

Concentration Units: ug/L

Analyte	Initial Calibration True	Found	%R(1)	Continuing Calibration True	Found	%R(1)	Found	%R(1)	M
Lead				50.0	53.80	107.6	54.50	109.0	F

NR : Analyte Not Required

NYTEST ENVIRONMENTAL INC.

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: NYTEST_ENV_INC.__________ Contract: 9421415___

Lab Code: NYTEST Login No.: 22633_ QC Report No.: 22633_

Initial Calibration Source: SPEX________

Continuing Calibration Source: SPEX________

Concentration Units: ug/L

Analyte	Initial Calibration True	Found	%R(1)	Continuing Calibration True	Found	%R(1)	Found	%R(1)	M
Lead	90.0	95.60	106.2	50.0	48.30	96.6	47.90	95.8	F

: Analyte Not Required

NEI FORM 3 - (1/94)

NYTEST ENVIRONMENTAL INC.

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: NYTEST_ENV_INC._____ Contract: 9421415___

Lab Code: NYTEST Login No.: 22633_ QC Report No.: 22633_

Initial Calibration Source: SPEX_____

Continuing Calibration Source: SPEX_____

Concentration Units: ug/L

Analyte	Initial Calibration True	Found	%R(1)	Continuing Calibration True	Found	%R(1)	Found	%R(1)	M
Lead				50.0	51.70	103.4	50.90	101.8	F

NR : Analyte Not Required

YTEST ENVIRONMENTAL INC.

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: NYTEST_ENV_INC._____ Contract: 9421415___

ab Code: NYTEST Login No.: 22633_ QC Report No.: 22633_

Initial Calibration Source: SPEX_____

ontinuing Calibration Source: SPEX_____

Concentration Units: ug/L

Analyte	Initial Calibration True	Found	%R(1)	Continuing Calibration True	Found	%R(1)	Found	%R(1)	M
Lead				50.0	52.60	105.2	52.40	104.8	F

NR : Analyte Not Required

YTEST ENVIRONMENTAL INC.

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: NYTEST_ENV_INC._____ Contract: 9421415___

ab Code: NYTEST Login No.: 22633_ QC Report No.: 22633_

Initial Calibration Source: SPEX_____

ontinuing Calibration Source: SPEX_____

Concentration Units: ug/L

Analyte	Initial Calibration True	Found	%R(1)	Continuing Calibration True	Found	%R(1)	Found	%R(1)	M
Lead				50.0	52.00	104.0	53.00	106.0	F

NR : Analyte Not Required

TEST ENVIRONMENTAL INC.

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: NYTEST_ENV_INC._____ Contract: 9421415___

ıb Code: NYTEST Login No.: 22633_ QC Report No.: 22633_

Initial Calibration Source: SPEX_____

›ntinuing Calibration Source: SPEX_____

Concentration Units: ug/L

Analyte	Initial Calibration True	Found	%R(1)	Continuing Calibration True	Found	%R(1)	Found	%R(1)	M
Lead				50.0	53.90	107.8	51.70	103.4	F

R : Analyte Not Required

000187

NYTEST ENVIRONMENTAL INC.

CRDL STANDARD FOR AA AND ICP

Lab Name: NYTEST_ENV_INC._____ Contract: 9421415___

Lab Code: NYTEST Login No.: 22633_ QC Report No. : 22633__

AA CRDL Standard Source: SPEX_____

CP CRDL Standard Source: _____

Concentration Units: ug/L

Analyte	CRDL Standard for AA			CRDL Standard for ICP				
	True	Found	%R	True	Initial Found	%R	Final Found	%R
Lead	3.0	3.40	113.3					

000188

NEI FORM 3 - (1/94)

ILMO2.1

NYTEST ENVIRONMENTAL INC.

CRDL STANDARD FOR AA AND ICP

Lab Name: NYTEST_ENV_INC.__________ Contract: 9421415___

Lab Code: NYTEST Login No.: 22633_ QC Report No. : 22633__

AA CRDL Standard Source: SPEX________

ICP CRDL Standard Source: ____________

Concentration Units: ug/L

Analyte	CRDL Standard for AA			CRDL Standard for ICP				
	True	Found	%R	True	Initial Found	%R	Final Found	%R
Lead	3.0	3.00	100.0					

000189

NYTEST ENVIRONMENTAL INC.

ANALYTICAL AND METHOD BLANK SUMMARY

Lab Name: NYTEST_ENV_INC._____ Contract: 9421415___

Lab Code: NYTEST Login No.: 22633_ QC Report No.: 22633__

Preparation Blank Matrix (soil/water): WATER

Preparation Blank Concentration Units (ug/L or mg/kg): UG/L_

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Prepa-ration Blank	C	M
Lead	3.0	U	3.0	U	3.0	U	3.0	U	3.000	U	F

NR = Analyte Not Requested

NEI FORM 5 - (1/94)

000190

NYTEST ENVIRONMENTAL INC.

ANALYTICAL AND METHOD BLANK SUMMARY

Lab Name: NYTEST_ENV_INC._____ Contract: 9421415___

Lab Code: NYTEST Login No.: 22633_ QC Report No.: 22633__

Preparation Blank Matrix (soil/water): WATER

Preparation Blank Concentration Units (ug/L or mg/kg): UG/L_

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Prepa-ration Blank	C	M
Lead			3.0	U	3.0	U	3.0	U	3.000	U	F

NR = Analyte Not Requested

NEI FORM 5 - (1/94)

000191

NYTEST ENVIRONMENTAL INC.

ANALYTICAL AND METHOD BLANK SUMMARY

Lab Name: NYTEST_ENV_INC._____ Contract: 9421415___

Lab Code: NYTEST Login No.: 22633_ QC Report No.: 22633__

Preparation Blank Matrix (soil/water): _____

Preparation Blank Concentration Units (ug/L or mg/kg): _____

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Prepa-ration Blank	C	M
Lead			3.0	U	3.0	U	3.0	U			F

R = Analyte Not Requested

NEI FORM 5 - (1/94)

NYTEST ENVIRONMENTAL INC.

ANALYTICAL AND METHOD BLANK SUMMARY

Lab Name: NYTEST_ENV_INC._____ Contract: 9421415___

Lab Code: NYTEST Login No.: 22633_ QC Report No.: 22633__

Preparation Blank Matrix (soil/water): _____

Preparation Blank Concentration Units (ug/L or mg/kg): _____

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Prepa-ration Blank	C	M
Lead			3.0	U	3.0	U	3.0	U			F

R = Analyte Not Requested

NEI FORM 5 - (1/94)

NYTEST ENVIRONMENTAL INC.

ANALYTICAL AND METHOD BLANK SUMMARY

Lab Name: NYTEST_ENV_INC._____ Contract: 9421415___

Lab Code: NYTEST Login No.: 22633_ QC Report No.: 22633__

Preparation Blank Matrix (soil/water): _____

Preparation Blank Concentration Units (ug/L or mg/kg): _____

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Prepa-ration Blank	C	M
Lead			3.0	U	3.0	U	3.0	U			F

Q = Analyte Not Requested

NEI FORM 5 - (1/94)

ANALYTICAL AND METHOD BLANK SUMMARY

Lab Name: NYTEST_ENV_INC._____ Contract: 9421415___

ab Code: NYTEST Login No.: 22633_ QC Report No.: 22633__

Preparation Blank Matrix (soil/water): _____

Preparation Blank Concentration Units (ug/L or mg/kg): _____

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Prepa-ration Blank	C	M
Lead			3.0	U	3.0	U	3.0	U			F

NR = Analyte Not Requested

ANALYTICAL AND METHOD BLANK SUMMARY

Lab Name: NYTEST_ENV_INC._____ Contract: 9421415___

ab Code: NYTEST Login No.: 22633_ QC Report No.: 22633__

Preparation Blank Matrix (soil/water): _____

reparation Blank Concentration Units (ug/L or mg/kg): _____

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Prepa-ration Blank	C	M
Lead			3.0	U	3.0	U					F

NR = Analyte Not Requested

ANALYTICAL AND METHOD BLANK SUMMARY

Lab Name: NYTEST_ENV_INC._____ Contract: 9421415___

Lab Code: NYTEST Login No.: 22633_ QC Report No.: 22633__

Preparation Blank Matrix (soil/water): _____

Preparation Blank Concentration Units (ug/L or mg/kg): _____

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Prepa-ration Blank	C	M
Lead	3.0	U	3.0	U	3.0	U	3.0	U			F

NR = Analyte Not Requested

NYTEST ENVIRONMENTAL INC.

ANALYTICAL AND METHOD BLANK SUMMARY

Lab Name: NYTEST_ENV_INC._____ Contract: 9421415___

Lab Code: NYTEST Login No.: 22633_ QC Report No.: 22633__

Preparation Blank Matrix (soil/water): _____

Preparation Blank Concentration Units (ug/L or mg/kg): _____

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Prep-aration Blank	C	M
Lead			3.0	U	3.0	U	3.0	U			F

NR = Analyte Not Requested

TEST ENVIRONMENTAL INC.

ANALYTICAL AND METHOD BLANK SUMMARY

Lab Name: NYTEST_ENV_INC.__________ Contract: 9421415___

Lab Code: NYTEST Login No.: 22633_ QC Report No.: 22633__

Preparation Blank Matrix (soil/water): _____

Preparation Blank Concentration Units (ug/L or mg/kg): _____

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Preparation Blank	C	M
Lead			3.0	U	3.0	U	3.0	U			F

NR = Analyte Not Requested

TEST ENVIRONMENTAL INC.

ANALYTICAL AND METHOD BLANK SUMMARY

Lab Name: NYTEST_ENV_INC._____ Contract: 9421415___

Lab Code: NYTEST Login No.: 22633_ QC Report No.: 22633__

Preparation Blank Matrix (soil/water): _____

Preparation Blank Concentration Units (ug/L or mg/kg): _____

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Prepa-ration Blank	C	M
Lead			3.0	U							F

NR = Analyte Not Requested

NYTEST ENVIRONMENTAL INC.

MATRIX SPIKE RECOVERY DATA SHEET

SAMPLE NO.

2044-3S

Lab Name: NYTEST_ENV_INC._____ Contract: 9421415___

Lab Code: NYTEST Login No.: 22633_ QC Report No. : 22633_

Matrix (soil/water): WATER_ Level (low/med): LOW___

% Solids for Sample: __0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L_

Analyte	Control Limit %R	Spiked Sample Result (SSR)	C	Sample Result (SR)	C	Spike Added (SA)	%R	Q	M
Lead	75-125	25.2000		3.0000	U	20.00	126.0	N	F

Comments:

2044-3

NR : Analyte Not Required

NYTEST ENVIRONMENTAL INC.

MATRIX SPIKE RECOVERY DATA SHEET

SAMPLE NO.

296-6MSD

Lab Name: NYTEST_ENV_INC._____ Contract: 9421415___

Lab Code: NYTEST Login No.: 22633_ QC Report No. : 22633_

Matrix (soil/water): WATER_ Level (low/med): LOW___

% Solids for Sample: __0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L_

Analyte	Control Limit %R	Spiked Sample Result (SSR)	C	Sample Result (SR)	C	Spike Added (SA)	%R	Q	M
ead	75-125	27.2000		5.1000		20.00	110.5		F

Comments:

296-6MSD

NR : Analyte Not Required

NYTEST ENVIRONMENTAL INC

DUPLICATES

SAMPLE NO.

2044-3D

ab Name: NYTEST_ENV_INC._____ Contract: 9421415___

Lab Code: NYTEST Login No.: 22633_ QC Report No. : 22633__

atrix (soil/water): WATER Level (low/med): _LOW__

% Solids for Sample: __0.0 % Solids for Duplicate: ___0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L_

Analyte	Control Limit	Sample (S)	C	Duplicate (D)	C	RPD	Q	M
Lead		3.0000	U	3.0000	U			F

R : Analyte Not Requested

NEI FORM 9 (1/94)

000203

NYTEST ENVIRONMENTAL INC

DUPLICATES

SAMPLE NO.

296-6MS

Lab Name: NYTEST_ENV_INC._____ Contract: 9421415___

Lab Code: NYTEST Login No.: 22633_ QC Report No. : 22633__

Matrix (soil/water): WATER Level (low/med): _LOW__

% Solids for Sample: __0.0 % Solids for Duplicate: ___0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L_

Analyte	Control Limit	Sample (S)	C	Duplicate (D)	C	RPD	Q	M
Lead	5.0	5.1000		4.7000	B	8.2		F

NR : Analyte Not Requested

YTEST ENVIRONMENTAL INC.

LABORATORY CONTROL SAMPLE

Lab Name: NYTEST_ENV_INC._____ Contract: 9421415___

Lab Code: NYTEST Login No.: 22633_ QC Report No.: 22633_

Solid LCS Source: _____

Aqueous LCS Source: SPEX_____

Analyte	Aqueous (ug/L) True	Found	%R	Solid (mg/kg) True	Found	C	Limits		%R
Lead	90.0	88.40	98.2						

NEI FORM 10 - (1/94)

000205

LABORATORY CONTROL SAMPLE

Lab Name: NYTEST_ENV_INC._____ Contract: 9421415___

Lab Code: NYTEST Login No.: 22633_ QC Report No.: 22633_

Solid LCS Source: _____

Aqueous LCS Source: SPEX_____

Analyte	Aqueous (ug/L) True	Found	%R	Solid (mg/kg) True	Found	C	Limits		%R
Lead	90.0	79.80	88.7						

000206

NYTEST ENVIRONMENTAL IN

Instrument Detection Limits (Quarterly)

Lab Name: NYTEST_ENV_INC. Contract: 9421415

Lab Code: NYTEST Login No.: 22633 QC Report No.: 22633

TCP ID Number: Date in Effect: 10/01/94

Flame AA ID Number :

Furnace AA ID Number : 3030#1

Analyte	Wave-length (nm)	Back-ground	CRDL (ug/L)	IDL (ug/L)	M
Lead	283.30	BZ	5	3.0	F

Comments:

NEI FORM 13 - (1/94)

000207