



**Waste Characterization
and
Preliminary Site Investigation
425 Merrick Avenue
Westbury, New York**

Interim Progress Report

July 24, 1991

Prepared for:

**Nassau County Department of Health
on behalf of:
Meadowbrook Realty Company
80 Seaview Boulevard
Port Washington, NY**

Prepared by:

**CA Rich Consultants, Inc.
404 Glen Cove Avenue
Sea Cliff, New York**

New York State Department of Environmental Conservation
50 Wolf Road, Albany, New York 12233



Thomas C. Jorling
Commissioner

DEC 4 1992

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

Meadowbrook Realty Company
80 Seaview Boulevard
Port Washington, New York

Dear Ladies/Gentlemen:

As mandated by Section 27-1305 of the Environmental Conservation Law (ECL), copy enclosed, the New York State Department of Environmental Conservation (NYSDEC) must maintain a registry of all inactive disposal sites suspected or known to contain hazardous wastes. The ECL also mandates that this Department notify, by certified mail, the owner of all or any part of each site or area included in the Registry of Inactive Hazardous Waste Disposal Sites.

Our records indicate that you represent the owner or part owner of the site listed below. Therefore, this letter constitutes notification of the inclusion of such site in the Registry of Inactive Hazardous Waste Disposal Sites in New York State.

DEC Site No.: 130061
Site Name: NYU Labs
Site Address: 425 Merrick Avenue, Westbury, New York 11590
Site Classification: 2

Enclosed is a copy of the New York State Department of Environmental Conservation, Division of Hazardous Waste Remediation, Inactive Hazardous Waste Disposal Site Report form as it appears in the Registry and Annual Report, and an explanation of the site classifications. The Law allows the owner and/or operator of a site listed in the Registry to petition the Commissioner of the New York State Department of Environmental Conservation for deletion of such site, modification of site classification, or modification of any information regarding such site, by submitting a written statement setting forth the grounds of the petition. Such petition may be addressed to:

Mr. Thomas C. Jorling
Commissioner
New York State Department of Environmental Conservation
50 Wolf Road
Albany, New York 12233-1010

For additional information, please contact me at (518) 457-0747.

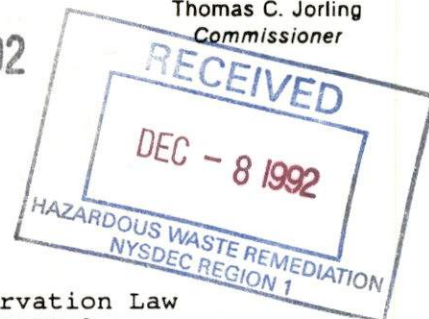
Sincerely,

Robert L. Marino
Chief
Site Control Section
Bureau of Hazardous Site Control
Division of Hazardous Waste Remediation

Enclosures

w/ Enc. (copy of Site Report form only)
R. Dana
A. Carlson, NYSDOH
L. Concra
A. McCarthy
A. Candela, R/1
S. Ervolina

cc: w/o Enc.
E. Barcomb
R. Marino
J. Swartwout
C. Johnson



NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF HAZARDOUS WASTE REMEDIATION
INACTIVE HAZARDOUS WASTE DISPOSAL REPORT

CLASSIFICATION CODE: 2

REGION: 1

SITE CODE: 130061

EPA ID:

NAME OF SITE : NYU Labs

STREET ADDRESS: 425 Merrick Avenue

TOWN/CITY:

Westbury

COUNTY:

Nassau

ZIP:

11590

SITE TYPE: Open Dump- Structure-X Lagoon- Landfill- Treatment Pond-
ESTIMATED SIZE: 2 Acres

SITE OWNER/OPERATOR INFORMATION:

CURRENT OWNER NAME....: Meadowbrook Realty Company

CURRENT OWNER ADDRESS.: 80 Seaview Boulevard, Port Washington, NY

OWNER(S) DURING USE....: New York University

OPERATOR DURING USE....: New York University Labs

OPERATOR ADDRESS.....: 425 Merrick Avenue, Westbury, NY

PERIOD ASSOCIATED WITH HAZARDOUS WASTE: From unknown To 1990

SITE DESCRIPTION:

This site was formerly operated by New York University (NYU) as a reasearch facility (Aerospace Energetics Laboratory, Fluidized Bed Combustion Reasearch Facility, Antonio Ferri Laboratories, etc.). After NYU vacated the property in August 1990 it was discovered that 200 - 300 containers (ranging in size from 1 to 55 gallons) were situated at various locations throughout the property, including at least 150, 55-gallon drums stockpiled in a partially fenced storage area. Under order from Nassau County, the owner inventoried, consolidated, and properly disposed of the containerized wastes off-site. Follow-up investigation of stained soils indicate significant contamination by PCBs (up to 2,670 ppm in a test pit sample) and 1,2-Dichlorobenzene (up to 1900 ppb in a test pit sample). These same constituents were found in high levels in samples taken from the consolidated wastes prior to disposal.

HAZARDOUS WASTE DISPOSED: Confirmed-X
TYPE

Suspected-
QUANTITY (units)

PCBs (B007 Waste)

unknown

1,2-dichlorobenzene (F002/U070 Waste)

"

methylene chloride (F001/U080 Waste)

"

SITE CODE: 130061

ANALYTICAL DATA AVAILABLE:

Air- Surface Water- Groundwater-X Soil-X Sediment-

CONTRAVENTION OF STANDARDS:

Groundwater- Drinking Water- Surface Water- Air-

LEGAL ACTION:

TYPE... State- Federal-
STATUS: Negotiation in Progress- Order Signed-

REMEDIAL ACTION:

Proposed- Under design- In Progress- Completed-
NATURE OF ACTION:

GEOTECHNICAL INFORMATION:

SOIL TYPE: sand

GROUNDWATER DEPTH: 15 feet

ASSESSMENT OF ENVIRONMENTAL PROBLEMS:

Impact on the sole source aquifer is likely due to very high levels of PCBs detected in soils on site, relatively shallow water table, and sandy nature of the soil.

ASSESSMENT OF HEALTH PROBLEMS:

McMILLAN, RATHER, BENNETT & RIGANO, P.C.

CORPORATE CENTER
395 NORTH SERVICE ROAD
MELVILLE, NEW YORK 11747

LESLIE R. BENNETT
WILLIAM CORNACHIO
ROBERT R. McMILLAN
JAMES B. RATHER
JAMES P. RIGANO

TELEPHONE:
(516) 694-8000
TELECOPIER:
(516) 694-2100

April 21, 1992

Via Federal Express

Anthony Candela, P.E.
Regional Hazardous Waste Remediation Engineer
New York State Department of
Environmental Conservation
Building 40
SUNY at Stony Brook
Stony Brook, New York 11794



Re: 425 Merrick Avenue, Westbury, New York

Dear Mr. Candela:

As I explained during our telephone conversation this afternoon, our firm represents Meadowbrook Realty Company, the owner of the above-referenced site. On April 30, 1991, an inspection of the site was performed by several agencies, including the DEC, the Nassau County Department of Health, the Nassau County Department of Public Works and the Nassau County Police Department. Bob Becherer of your office was present on the day of the inspection. On that day, the DEC and the County Department of Health agreed that the County would assume lead-agency status with respect to any work that has to be performed at the property.

On May 16, 1991, we received a letter from the County directing our client to perform certain activities at the property, including a preliminary site investigation. Our client's environmental consultant, CA Rich Consultants, Inc., has completed the tasks mandated by the County, including a Preliminary Assessment of the site. Because we have evidence which indicates that prior operators of the site, New York University and General Applied Science Laboratories, Inc., created the conditions of concern, we have made all efforts to perform the removal phase of the project in compliance with the provisions of the federal National Contingency Plan.

At a meeting held at the Department of Health's offices on March 26, 1992, the County informed us that it is possible that the site will be included on the DEC's list of inactive hazardous waste sites. Following that meeting, at the suggestion

McMILLAN, RATHER, BENNETT & RIGANO, P.C.
Anthony Candela, P.E.
April 21, 1992
Page 2

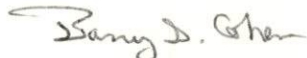
of Dave Fitzgerald of the Department of Health, we contacted Mr. John Swartwout, DEC Division of Hazardous Waste Remediation, to discuss the listing issue. Mr. Swartwout in turn suggested that we speak with you.

As per your request, we have attached for your review and files copies of the reports and data generated to date in connection with the site. The first document, dated July 24, 1991, is a report that was submitted to the Department of Health which summarizes CA Rich's preliminary findings. The next three documents, dated August 30, 1991, are analytical results generated in conjunction with sampling activities CA Rich performed as part of the Preliminary Assessment. We have also attached for your review a copy of a site plan that identifies the locations from which samples were collected.

As I explained during our conversation, we would like to schedule a meeting as soon as possible to discuss the site in further detail. Please call the undersigned at (516) 694-8000 after you have had an opportunity to review the attached documentation.

Thank you for your cooperation.

Sincerely,



Barry S. Cohen

BSC/mev
Enclosures

cc: Mr. Arthur Cerrone (w/out enclosures)
Mr. Irving Anton (w/out enclosures)
Mr. Charlie Rich (w/out enclosures)
Mr. David Fitzgerald (w/out enclosures)

CA RICH CONSULTANTS, INC.

Certified Ground-Water and Environmental Specialists

July 24, 1991

Nassau County Department of Health
Bureau of Land Resources Management
Office of Groundwater Protection
240 Old Country Road
Mineola, New York 11501-4250

Attention: Mr. Joseph Schechter, Chief

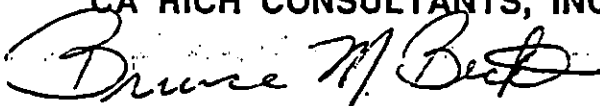
Dear Mr. Schechter:

Transmitted herewith is a copy of our Interim report entitled, "Waste Characterization and Preliminary Site Investigation" for the 425 Merrick Avenue, Westbury, New York Site. This report responds to your letter of May 16, 1991 to Barry S. Cohen, Esq. of McMillan, Rather, Bennett & Rigano.

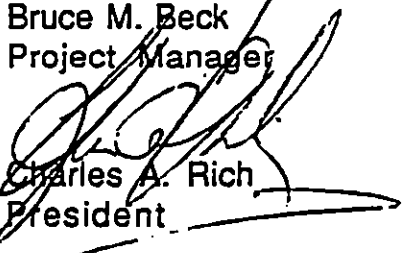
Should you have any questions concerning the information and/or the ongoing investigatory plans described, please feel free to contact either undersigned.

Very truly yours,

CA RICH CONSULTANTS, INC.



Bruce M. Beck
Project Manager



Charles A. Rich
President

BMB:CAR:mg

cc: Robert Becherer, P.E., NYSDEC
Barry Cohen, Esq.
Arthur Cerrone

CONTENTS

<u>Section</u>	<u>Page</u>
1.0 INTRODUCTION	1
1.1 GENERAL	1
1.2 SITE	3
1.3 ASSESSMENT OF CURRENT SITUATION	4
1.3.1 General Inspection	4
1.3.2 Petroleum Storage Tanks	5
2.0 WASTE CHARACTERIZATION & PRELIMINARY SITE INVESTIGATION	
2.1 GENERAL	6
2.2 WASTE CONSOLIDATION & INVENTORY	6
2.3 PRELIMINARY SITE INVESTIGATION- PHASE I	8
2.4 RESULTS AND DISCUSSION	10
3.0 PRELIMINARY SITE INVESTIGATION - PHASE II	
3.1 WORK PLAN	12
References	13
APPENDICES	
A WASTE INVENTORY	
B ANALYTICAL RESULTS	
C PERTINENT CORRESPONDENCE	

1.0 INTRODUCTION

1.1 GENERAL

This interim progress report and the selected information included in the attached Appendices summarizes the completed, ongoing, and planned preliminary site investigatory and remedial cleanup actions at 425 Merrick Avenue, Westbury, New York. The preliminary activities described in this report were determined to be necessary and appropriate short term abatement activities required to categorize and address the potential threat posed by the presence of hazardous substances at the Property. Upon completion of these preliminary activities, long term and or permanent investigational and remedial activities will be evaluated and implemented at the Property. The preliminary environmental testing and cleanup work completed thus far, and now underway has been performed by CA RICH Consultants, Inc. (hereafter called CA RICH) on behalf of the property owner: the Meadowbrook Realty Company (Port Washington, NY).

On April 30, 1991, the 425 Merrick Avenue property (the 'site') was collectively inspected by representatives from the Office of Industrial and Hazardous Waste Management of the Nassau County Department of Health, in cooperation with representatives from the Nassau County Department of Public Works, the Nassau County Police Department, and the New York State Department of Environmental Conservation (Division of Solid Waste). Reportedly, the April inspection was initiated after the Nassau County Department of Health received a complaint. The purpose of the inspection was to determine whether there were any hazardous substances present on the property.

CA RICH CONSULTANTS, INC.

The inspection performed by the above agencies revealed that a large number of drums, containers, and miscellaneous debris, some of which contained petroleum products and hazardous or potentially hazardous substances, were present in organized and unorganized groupings throughout the site.

To enable it to be responsive, the Meadowbrook Realty Company retained CA RICH (Sea Cliff, NY) to perform certain preliminary investigations on-site. Specifically, CA RICH was hired to assess the current situation, to identify the presence of any problem(s), and if problem(s) were present, to define their nature and extent.

On May 16, 1991, subsequent to the inspection performed by the above-mentioned agencies, the Meadowbrook Realty Company received a letter from the Nassau County Department of Health (NCDH) which noted that the continued storage of petroleum or hazardous substances at the property was a violation of Article XI, Section 9.a.8 of the Nassau County Public Health Ordinance. In that letter (a copy of which is attached), the Department of Health, in cooperation with the New York State Department of Environmental Conservation (NYSDEC), identified four waste management-related tasks required at the property. These four tasks were:

- (1) *Inventory all materials in tanks and containers, define all areas of spillage and contract with a licensed chemical waste transporter to have these materials removed;*
- (2) *Provide the County with the waste inventory;*
- (3) *Provide the County with copies of the waste manifest records indicating proper disposal at a secure licensed disposal site; and*
- (4) *If asbestos is present, have the materials removed by a licensed, certified contractor.*

Prior to receiving the Nassau County Department of Health letter and upon CA RICH's advice, the Meadowbrook Realty Company had already instructed CA RICH to commence preliminary investigatory and remedial activities at the property. Thus, this interim progress report describes the conditions found at the property as evidenced during CA RICH's recent preliminary investigations on the site (May through July, 1991), and summarizes the ongoing and planned activities.

1.2 SITE

The 425 Merrick Avenue Site was previously occupied by New York University (NYU's Aerospace Energetics Laboratory, and the NYU-DOE Fluidized Bed Combustion Research Facility) and other research-related entities (i.e. Antonio Ferri Laboratories). New York University and other entities performing research activities at the Property operated at the Site prior to 1984, the date upon which Meadowbrook Realty Company purchased the Site. When Meadowbrook Realty Company purchased the Property, it took title subject to a lease with New York University which allowed New York University to continue its research-related activities at the Site. Preliminary information suggests that New York University and its related entities was performing research at the Site pursuant to grants provided by the United States Department of Energy. In 1990, after the Department of Energy stopped funding New York University's research, New York University vacated the premises. Since New York University left the Property, in August 1990, the Property has been unoccupied and not used for any purpose.

Today, the 'NYU Site' is unoccupied, secured, and subject to redevelopment plans. The waste characterization, consolidation, removals and associated environmental investigations required by the County are proceeding as expeditiously as possible under the general auspices of both the Nassau County Department of Health (Mineola) and NYSDEC.

1.3 ASSESSMENT OF THE CURRENT SITUATION

1.3.1 General Inspection

A relatively large building exists on the western half of the property with associated, abandoned, research-related structures and appurtenant utility piping throughout much of the property (eg; blue metallic spherical vacuum tank, fluidized bed coal combustion tower, pilot plant, etc.). Garbage, asbestos and demolition-type wastes were left sporadically on paved and unpaved areas throughout the site. The site is located along Merrick Avenue and is situated directly across from Eisenhower Park. It has been secured by a fully-surrounding chain-link fence and, since early May 1991, has been secured by a twenty-four hour per day guard hired by Meadowbrook Realty Company.

Approximately 200-300 containers, ranging in size from 1 to 55 gallons, were situated in organized and unorganized storage conditions throughout the property. Most of the larger containers were found outside and exterior to the existing laboratory building.

Many of the containers (approx. 100-200) were apparently abandoned as-is, either empty or containing unidentifiable waste materials. Of these, some of the 55-gal drums (at least 150 drums) were stockpiled in a somewhat organized fashion (some stacking) in a partially fenced storage area in the rear of the Facility. This area was situated along the central western side of the property adjacent to a service road to the Meadowbrook Parkway. Other drums were either clustered or intermittently abandoned elsewhere and throughout the property. These drums contained residual waste liquids (oils, unknowns, etc.) and demolition-related debris. Some drums and stockpiled containers were consolidated.

The interior of the main lab building was inspected by the Nassau County Department of Health, the Nassau County Department of Public Works, the New York State Department of Environmental Conservation, and CA RICH personnel. It was found to be mostly empty with numerous small containers left only in the basement and sub-basement areas. These containers included various substances ranging in content from marked liquids and solids to unidentifiable, unmarked liquids and solids. Approximately seven 55-gallon steel drums were found to contain an asbestos containing piping insulation that appeared to be from a previous asbestos abatement project.

1.3.2 Petroleum Storage Tanks

At the time of the inspection there were three aboveground storage tanks. Two small (275 gal.) tanks were utilized for the storage of kerosene and #2 Fuel Oil (since emptied and removed), and one remaining 6,000 gallon above-ground tank (enclosed in concrete) was utilized for building heating purposes.

A number of oil-related stains were observed on paved areas of the Site where some of the above-ground storage tanks had been situated (kerosene tanks), or where there had been clusters of drum storage. The observable stained areas were identified and either have, or are continuing to be investigated and sampled as part of ongoing diagnostic data-gathering efforts. There are no records of underground storage tanks (USTs) at this Site.

2.0 WASTE CHARACTERIZATION & PRELIMINARY SITE INVESTIGATION

2.1 GENERAL

At the time of this writing (July, 1991), the initial two compliance items stipulated in Nassau County's Order (ie; the waste inventory and the follow-up preliminary site investigations to define areas of spillage) have either already been completed, or are presently ongoing.

2.2 WASTE CONSOLIDATION & INVENTORY

The waste consolidation, characterization, inventory and staging activities were based upon initial site inspections by the Property Owners and CA RICH personnel.

The additional preliminary compliance activities implemented immediately thereafter, responded directly to the identified concerns generated from these inspections and by the subsequent follow-up inspections by the participating agencies. For example, it was determined that initial remedial response compliance actions would involve Site security, above-ground waste identification, movement, consolidation, sorting, testing, packaging and temporary on-site staging for disposal purposes. These preliminary actions were deemed necessary to eliminate the possibility for future damage to the environment. Once wastes were properly characterized and waste profile sheets developed, selected materials would then be removed.

In short, the basic surface cleanup tasks that were determined to be necessary were to:

- √ Inspect, inventory and prepare stockpiled wastes for shipment off-site;
- √ Sample and analyze selected wastes for disposal (utilizing State-Certified Labs.);
- √ Remove all the drums and miscellaneous debris; and
- √ Complete off-site regulated transport & licensed waste disposal.

The on-site waste consolidations were completed during the week of May 26, 1991. Once consolidated, selected wastes were then sampled and analyzed. Receipt of the analytical results then enable the generation of the waste profile sheets required for the regulated off-site transport and disposal of hazardous substances to a licensed and approved disposal facility(s).

All of the consolidated solid and liquid wastes, as inventoried (see Appendix A) are now temporarily staged in a secured garage shed area in the center of the property. They are presently awaiting a schedule for legally manifested off-site disposal by a State-licensed hazardous waste transporter.

Selected waste materials and the building interiors and exterior were photographed. Waste materials were filmed in their residual 'as-is/as-found' condition, prior to the consolidations. The Site photo log is currently maintained at the offices of CA RICH.

2.3 PRELIMINARY SITE INVESTIGATION - PHASE I

The preliminary site investigation objectives were to "...define all areas of spillage..", and define additional areas of investigation as well as to possibly eliminate certain areas from investigation. The investigation focused upon surficial and shallow sampling of in-place soils and fill materials.

On June 6-7th, 1991, CA RICH initiated on-site exploration of twelve (12) oil spillage areas utilizing backhoe-dug test pits as the initial method of investigation. The twelve separately located surficial oil stain areas were identified based upon earlier inspections and field observation. Preliminary investigation consisted of excavating these areas, with full-time Health & Safety Coordination, screening the excavated materials from the pits with a calibrated, field portable HNU photoionization meter, a combustible gas and percent oxygen meter, and Century OVA (organic vapor) flame-ionization instrumentation. In general, each of the twelve test pit excavations were advanced to the 8-10 foot depth interval, the limit or extent to which the backhoe bucket could reach. Excavated materials were logged as relatively uniform areawide - consisting chiefly of fill and unconsolidated gravels, silty-sand & sand.

Positive instrument detections above ambient background occurred in four of the twelve excavated areas. Because of the detections, two soil/fill samples (TP-1 & TP-2) were selectively packaged and submitted for subsequent chemical analyses under standard chain-of-custody control measures. These two soil/fill samples were purposely selected as being representative of these four areas. Because of the historical use of the property, these two samples were analyzed for volatile organics, base-neutral organics (Method 601/602), total petroleum hydrocarbons, and PCB's.

The preliminary site investigation activities included opening and accessing three storm drains on-site. The purpose of these activities was to obtain representative residual sediment sample from each storm drain for chemical analyses. Three (3) sediment samples were collected (identified as SD-1, SD-2, & SD-3) and analyzed for the same chemical tests as the test pit soil samples.

The preliminary site investigation activities also included the exploratory excavation of the top of two (2) subsurface grease pits situated on the property. These grease pits are located below ground, immediately adjacent to, and on either side of, the blue vacuum sphere situated along the southern side of the property. Both pits were opened and found full of liquid with sludge bottoms. CA RICH collected samples of both the grease pit liquid (GP-1) and their bottom sediments (GP-2). These samples were also analyzed for the same suite of chemical tests as the soil and drain samples.

2.4 RESULTS AND DISCUSSION

To date, the chemical analyses of a variety of samples submitted to the laboratory indicate the presence of hazardous substances (PCBs and chlorinated hydrocarbons) in a certain amount of the waste oils that were consolidated from the above-ground materials abandoned on-site by the former site tenant(s).

In addition, the site investigatory work conducted thus far has identified the presence of PCBs, and in particular, the chlorinated hydrocarbon compound: dichlorobenzene, at elevated concentration levels in shallow subsurface fill materials at four specific locations. Further investigation of the nature and extent of these fill contaminants is warranted and presently underway.

Based upon receipt and ongoing interpretation of analytical results (copies of original analytical results are provided in Appendix B), some of the materials and waste substances present on the surface of the property are either hazardous or potentially hazardous, and are to be shipped to an approved disposal site. Other wastes are classified as non-hazardous substances and will also be disposed of off-site. Additional detail on the various waste classification categories and hazard characteristics is available.

The ongoing investigatory and short-term remedial cleanup activities that have either already been performed or that are (or will shortly be) carried out are being conducted in response to stipulated compliance items required by both the Nassau County Department of Health and the New York State Department of Environmental Conservation.

3.0 PRELIMINARY SITE INVESTIGATION - PHASE II

3.1 WORK PLAN

The physical and analytical results developed from the first phase of preliminary sampling indicated the need to further define both the lateral and vertical extent of oil-stained soils.

Principally, the four areas of concern are within, below, and in proximity to the two grease pits (one area), and beneath each of the three storm drains. As a result, these four 'hot spot' areas are being further investigated by advancing selectively placed test borings; logging split-spoon soil characterization at regularly-spaced depth intervals down to the underlying water table; and by conductance of limited, one-time 'Hydropunch' groundwater sampling and analyses in up to four on-site borings advanced to water table depths.

All of the soil and water samples are being analyzed by State-Certified Nytest Laboratories (Port Washington, NY) for indicator contaminants (RCRA metals, PCBs and/or chlorinated hydrocarbons). Nytest was utilized during the first phase of investigation and is included on the New York State DEC's Environmental Laboratory Approval Program List as a commercial laboratory with approval to perform environmental analyses (NYSDOH *Certification No. 10195*).

The ongoing investigatory activities are aimed at a better definition of the areas of spillage. Upon completion of Phase II of this preliminary site investigation, a Work Plan identifying the activities necessary to implement an investigation leading to a "remedial action" as that term is defined in the National Contingency Plan (NCP) will be submitted to the Nassau County Department of Health. Analytical results, records, and interpretation of the data shall continue to be forwarded to NCDH, with copies to NYSDEC.

References

Nassau County Department of Health, 1991; Ground Water and Public Water Supply Facts, 74 pp.

US Geological Survey, 1987; Thickness and Hydrogeology of Aquifers and Confining Units Below the Upper Glacial Aquifer on Long Island, New York, Water Resources Investigations Rept. 86-4175 by Soren, J., & Simmons, D.L.

Nassau County Department of Health, 1986; Investigation of Contaminated Aquifer Segments Nassau County, County Consultants Report.

United States Environmental Protection Agency, 1990;
40 CFR Parts 190 to 259, all inclusive
40 CFR Parts 260 to 299, all inclusive

United States Department of Labor,
Occupational Safety & Health Administration, 1990;
29 CFR Part 1910, 120

United States Department of Transportation, 1990;
49 CFR Parts 171-179, 190-197

New York State Codes, Rules and Regulations
6 NYCRR 370-374
6 NYCRR 361

APPENDIX A

WASTE INVENTORY

Inventory of Selected Chemistry and Waste Substances Identified Onsite during CA RICH May 1991 Inspections

425 Merrick Avenue, Westbury, NY

<u>Map Area</u>	<u>Description</u>	<u>Quantity</u> (in Gallons unless otherwise specified)
G	Ferric Chloride	9
G	Solvent Flux Remover	10
F	Hydrochloric Acid	trace
F	Acrylic Enamel Reducer	1
F	Pryne Solvents	1
F	Vacuum Flushing Oil	6
F	Sulfur Cutting Oil	15
F	Mobil Oil	30
F&G	Pump Oil	16
G	Kleen Kool Oil	5
G	Lusol Shamrock Oil	5
G	High Vacuum Oil	5
F	15W - 40 Oil	5
F	Capella Oil	1
F	Solvent Cleaner	3
F	Paint & Varnish Remover	1
F	Floor Finish	5
F	Glycerine	3
G	Lubriplate Oil	1
G	Curing Agent	1
G	Resin	1
F	Oakite	5
F	Fuser Oil	1
F, G	Paints	34
F	Thinner	5
F	Primer	6
F	Kerosene	1
F	Stripper	5
G	Petroleum (oil)	5
G	Unknown Chemical Solid	1 lb.
G	Turpentine	1
F	Toner	1
F	Grease	5
F	Unknown Oil	5
H	Tile Adhesive	1
F	Grease Tubes	2 tubes
F	Flux	1.5

425 Merrick Avenue, Westbury, NY

II

<u>Map Area</u>	<u>Description</u>	<u>Quantity</u> (in gallons unless otherwise specified)
F	Solvent - Dow	0.5
F	Alcohol	2
F	Methyl Alcohol	1
F	Stain	0.5
F	Acrylic Caulk Tube	1 tube
F	Indicating Liquid	1
F	Liquid Tape	4 oz.
F	Silica Gel	4 oz.
F	Mercury	4 oz.
F	Spray Oil	1 can
F	Adhesive Sealant	1 pt.
H	Mortar	5 bags
H	Eccobond Aluminum	0.5
H	Floor Adhesive	1.5
H	Gear Lubricant	1
F	Acetone	2.5
A	Empty Drums	122 Drums
A	Unknown Black Liquid	110
C	JP-4 Jet Fuel	55
A,B,C,D,F,H	Ash Drums	37 drums
T-3	#2 Heating Oil	5
H,C,D,E	Coal Slurry	165
C,D,E	Unknown Oil	257
H	Acid Bags (battery)	2
T-4	(#4) Heating Oil	1800-2000
H	Diesel Oil	5
A,C,E	Coal Slurry (light)	110
A,H	Coal Slurry (heavy)	110
T1-2	Kerosene	110
A	Roofing Tar Residue	90
H	Sulfur	500 lbs.
C	Gasoline & Water	55

425 Merrick Avenue, Westbury, NY

III

Selected Chemistry and Wastes
Found in Main Building Basement (I Area)

<u>Description</u>	<u>Quantity</u>
Mercury	16 oz.
Barium Chloride	1 lb.
Sodium Hydroxide	1.5 lbs.
Lead Nitrate	4 oz.
Phenolphthalene	4 oz.
Lycopodium Powder	1.5 lbs.
#22 Algaecide	16 oz.
Unknown Liquid	1 gal.
Heptene-1	1 gal.
Alumina Activated	2 lbs.
Ethyl Cellulose	5 lbs.
Ethylene Dichloride	2 gals.
Calcium Chloride	5 lbs.
Boric Acid	1 lb.
Sodium Nitrite	5 lbs.
Norit, Acid Washed (activated carbon)	2 lbs.
Napthalene Flakes	1 lbs.
Styrene Monomer	1 pt.
Florochemical - FC 40	1 pt.
Polystyrene Beads	1 lb.
Unknown Liquid	1 gal.
Acetic Acid	1.5 pts.
Nickel Chloride	2 lbs.
Unknown Liquid/Solid	1 gal.
Unknown Powder	1 lb.
N-(1-Naphthyl) - Ethylenediamine	
Dichloride	6 oz.
Sodium Citrate	0.5 lb.
Indicator Solution	6 oz.
Colloidion Flexible	2 pts.
Nickel Strike Solution	1 qt.
Sulfanilic Acid	0.5 lb.
Cupric Oxide	0.5 lb.
Unknown Oil (BW)	0.5 pt.
Copper Chromite	0.5 lb.
2-(2-Butoxyethoxy)-EthylAcetate	6 oz.
Potassium Perchlorate	4 oz.
Sealant Wax	8 oz.
Astroceram	4 oz.
Sodium Hypophosphate	2 lbs.
Silver Cyanide	3 oz.
Potassium Cyanide	0.5 lb.
Sodium Hydroxyacetate	4 oz.

425 Merrick Avenue, Westbury, NY
1v

<u>Description</u>	<u>Quantity</u>
Freon 112	4 lbs.
Lithium Perchlorate	0.5 lb.
Wood Charcoal	4 oz.
Butyl Acetate	0.5 gal.
Ammonium Chloride	4 oz.
Potassium Hydroxide Solution	1 qt.
Unknown Liquid	4 oz.
Silicone Pump Fluid	0.5 pt.
Silver Preparation	1 oz.
Oxalic Acid	1 lb.
Nickel Carbonate	1 lb.
Ammonium Perchlorate	2 lbs.
Absorbing Reagent	2 pts.
Ferrocene	1 lb.
Carnouba Wax	0.5 lb.
Unknown Powder	4 oz.
Arsenite Reagent	32 oz.
Hydrofluoric Acid	0.5 lb.
Heat Transfer Agent	1 pt.
Unknown Liquid	1 oz.
N-(1-Naphyl)	4 oz.
Acid Pernanganate (fluid)	2 oz.
Catalyst	2 oz.
Nitro Benzene	1 pt.
Eccobond Solder A & B	4 oz. each
Ethyl Carbonate	1 lb.
Parofin Powder	1 lb.
Lead Plating	3 pts.
Electro Cleaning Solution	3 pts.
Tin Plating	1 pt.
Zep Stripper #50	4 gals.
Unknown Brown Liquid	0.5 gal.
Cutting Oil	4 gals.
Paints	25 gals.
Refrigerator Oil	1 gal.
Sulfamate Nickel Replen. Solvent	6 gals.
Asbestos Rope Adhesive	1 pt.
Pipe Joint Compound	0.5 pt.
Pipe Thread Compound	0.5 pt.
Flux	0.5 lb.
CS Reagent	3 oz.
Stainless Putty	14 oz.
Sodium Bicarbonate	0.5 lb.
Cutting Fluid	1 pt.
Hammer Oil	4 oz.
Motor Oil	1 qt.
Unknown Solid Grease	2 lbs.

425 Merrick Avenue, East Meadow, New York
v

<u>Description</u>	<u>Quantity</u>
Unknown Oil	0.5 gal.
Furnace Cement	2 lbs.
Unknown Solid	1 qt.
ORE-Lub.	5 gals.
Grade A. Oil	1 gal.
Unknown Paste	10 lbs.
Unknown Liquid	1 gal.
Film Developer	3 gals.
Powdered Fixer & Developers	50 pkgs.

Drums Packed For Shipment

<u>Description</u>	<u>Quantity (In Drums)</u>
Coal Slurry and Water	2
Coal Slurry	2
Coal Slurry and Solids	1
Coal Slurry (heavy)	2
Oil	4
Kerosene	2
Pump Oil	1
Gasoline and Water	1
JP-4 (Jet Fuel)	1
Oil and Water	2
Solvents	2
Paint Wastes (Lab Pack)	2
Sulfur Power	2
Unknown Heavy Black Liquid (Over Packed)	2
Empty Deheaded Drums ready for crushing & Disposal	172

APPENDIX B
ANALYTICAL RESULTS AS OF
JULY 1991



TOTAL ANALYTICAL SERVICES FOR A SAFE ENVIRONMENT

nytest environmental inc.

Project No.: 9118057
Log in No.: 8426
P.O. No.: Pending
Date: June 4, 1991

ANALYTICAL DATA REPORT
PACKAGE FOR

C.A. Rich Consultants

404 Glen Cove Ave.

Sea Cliff, NY 11579

ATTN: Bruce Beck
REF: Meadowbrook Realty

SAMPLE
IDENTIFICATION

LABORATORY
NUMBER

SAMPLE
MATRIX

SEE NEXT PAGE

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

PARAG K. SHAH, Ph. D.
ORGANIC LAB. MANAGER
SW

RESPECTFULLY SUBMITTED,
NYTEST ENVIRONMENTAL INC.

Douglas Sheeley
DOUGLAS SHEELEY
LABORATORY DIRECTOR

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

NYTEST ENVIRONMENTAL Inc.

LABORATORY NUMBER	SAMPLE IDENTIFICATION	TYPE OF SAMPLE
8426001	ASH-1	Miscell.
8426002	ASH-2	Miscell.
8426003	JP4	Miscell.
8426004	KEROSENE	Miscell.
8426005	OIL H2O	Miscell.
8426006	OIL&GAS	Miscell.
8426007	WASTEOIL	Miscell.
8426008	PETRO	Miscell.
8426009	SLURRY	Miscell.
8426010	SOLVENTS	Miscell.

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Table of Contents

Log In No.:

8426

Page

I. Sample Analysis Request Form	NA
II. Chain of Custody.	1
III. Laboratory Deliverable Checklist.	2
IV. Laboratory Chronicle.	3
V. Non Conformance Summary (Case Narrative).	4
VI. Methodology Summary	5 - 8
VII. Data Reporting Qualifiers	9
VIII. Sample Results	10 - 35
IX. Quality Assurance Summary (Including Initial and Continuing Calibration Time and Date)	36 - 40



nytest environmental inc

CHAIN OF CUSTODY RECORD

SHIP TO: Nytest Environmental Inc.
60 Seaview Blvd.
Port Washington, NY 11050
(516) 625-5500
Attn. _____

REPORT TO: Client Name CA Rick Consultants &
Address 904 Glen Cove Ave
SEA CLIFF NY 11579
Phone 674-3889
Attn. Bruce Beck

Page _____ of _____

Project No.	Project Name <u>Meadowbrook Realty</u>		Date Shipped	Carrier
Sampler: (Signature)		Analytical Protocol	Air Bill No.	Cooler No.
Sample I.D.	Date/Time Sampled	Sample Description	No. Of Containers	ANALYSIS REQUESTED
<u>ASH-1</u>	<u>5/29/1300</u>	<u>ASH</u>	<u>1</u>	<u>PCB, TCLP Metals</u>
<u>ASH-2</u>	<u>1</u>	<u>↓</u>	<u>1</u>	<u>PCB, TCLP Metals</u>
<u>JP4</u>	<u>1</u>	<u>JP4-Jet Fuel</u>	<u>1</u>	<u>PCB</u>
<u>Kerosene</u>	<u>1</u>	<u>Kerosene</u>	<u>1</u>	<u>PCB</u>
<u>oil & H₂O</u>	<u>1</u>	<u>oil & water</u>	<u>1</u>	<u>PCB</u>
<u>oil & GAS</u>	<u>1</u>	<u>oil & gas</u>	<u>1</u>	<u>PCB</u>
<u>WASTE OIL</u>	<u>1</u>	<u>oil</u>	<u>1</u>	<u>PCB</u>
<u>PETRO. WASTE</u>	<u>1</u>	<u>Petro. Cont Soil</u>	<u>1</u>	<u>PCB, Petroleum Hydrocarbons</u>
<u>Slurry</u>	<u>1</u>	<u>Coal Slurry</u>	<u>4</u>	<u>PCB, 601;602 Vol., BTU</u>
<u>Solvents</u>	<u>1</u>	<u>mixed Solvents</u>	<u>3</u>	<u>PCB, 601-602 Vol.</u>

Relinquished by (Signature) <u>[Signature]</u>	Date / Time <u>5/29/2013</u>	Rec'd By (Signature) <u>[Signature]</u>	Date / Time <u>5/29/2013</u>
Print Name <u>STEVEN SOBISIL</u>	<u>4:11 PM</u>	Print Name <u>[Signature]</u>	<u>5/29/2013</u>
Relinquished by (Signature) <u>[Signature]</u>	Date / Time <u>5/29/2013</u>	Rel'd by (Signature) <u>[Signature]</u>	Date / Time <u>5/29/2013</u>
Print Name <u>[Signature]</u>	<u>4:11 PM</u>	Print Name <u>[Signature]</u>	<u>5/29/2013</u>
Relinquished by (Signature) <u>[Signature]</u>	Date / Time <u>5/29/2013</u>	Relinquished by Laboratory (Signature) <u>[Signature]</u>	Date / Time <u>5/29/2013</u>
Print Name <u>[Signature]</u>	<u>4:11 PM</u>	Print Name <u>Robert Fletcher</u>	<u>5/29/2013</u>

Special Instructions/Comments _____

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Laboratory Deliverable Check List

	Check if Complete
I. Cover Page, Format, and Laboratory Certification (Include Cross Reference Table of Field I.D. # and Laboratory I.D. #)	<u>✓</u>
II. Chain of Custody	<u>✓</u>
III. Summary Sheets Listing Analytical Results Including QA Data Information	<u>✓</u>
IV. Laboratory Chronicle and Methodology Summary including Sampling Holding Time Check	<u>✓</u>
V. Initial Calibration and Continuing Calibration (Time & Date Summary)	<u>NA</u>
VI. Tune Summary (MS)	<u>NA</u>
VII. Blanks (Method, Field, Trip)	<u>✓</u>
VIII. Surrogate Recovery Summary	<u>✓</u>
IX. Non-Conformance Summary	<u>✓</u>

DVS
Laboratory Manager

6/14/91
Date

00002

Laboratory Chronicle

Log In No.: 8426

Client Name: C.A. Rich Consultants

Date Received: 5/29/91

Sample ID: As per chain of custody

Organics Extraction:

1. Acids _____

2. Base/Neutrals _____

5/31/91

3. Pesticides/PCBs _____

4. Dioxin _____

Analysis:

6/8/91, 6/9/91

1. Volatiles _____

2. Acids _____

3. Base/Neutrals _____

6/4/91, 6/5/91

4. Pesticides/PCBs _____

5. Dioxin _____

Section Supervisor

Review & Approval _____

064

Inorganics:

TCLP: 6/6/91, 6/11/91

1. Metals _____

2. Cyanides _____

3. Phenols _____

Other Analysis:

TCLP Extractions: 6/6/91

TPHC: 5/31/91

BTU: 6/6/91

Section Supervisor

Review & Approval _____

064

Quality Control Supervisor

Review & Approval _____

064

If fractions are re-extracted and re-analyzed include dates for both.

00003

NON-CONFORMANCE SUMMARY
(Case Narrative)

Log In No: 8426

Samples were analyzed on an as received basis. Samples were analyzed as per required protocols, no problems were encountered.

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METHODOLOGY SUMMARY

AQUEOUS METHODOLOGIES:

	<u>REF 1</u>	<u>REF 2</u>	<u>REF 3</u>
BNA, Pesticides/PCB's Extraction		3510	
AA/ICP Sample Preparation	200.7		
Furnace Sample Preparation	200.0		
Mercury Sample Preparation	245.1		
Hexavalent Chromium Sample Preparation	218.5		
Clean-Up		3610/3640	
Organochlorine Pesticides and PCB's by Gas Chromatography			608
Herbicides by Gas Chromatography			362
Purgeable Organics by GC/MS			624
Base/Neutral, Acids by GC/MS			625
2,3,7,8-TCDD by GC/MS			613/625
BTEX			602

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	3610/3640

Gas Chromatography/Mass Spectrometry:

Purgeable Organics	8240
Base/Neutral and Acid Extractables	8270
Organophosphorous Pesticides	8140
Organochlorine Pesticides and PCB's by Gas Chromatography	8080
BTEX	8020

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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

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METHODOLOGY SUMMARY

<u>ADDITIONAL INORGANIC PARAMETERS:</u>	<u>REFERENCE 1</u>	<u>REFERENCE 2</u>
Bromide	320.1	
Color	110.2	
Conductance	120.1	
Conductance		9050
Odor	140.1	
pH	150.1	
pH		9040
TDS	160.2	
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	410.3/405.1	
Cyanide	335.3	
Oil and Grease	413.1/413.2	
Oil and Grease		9070
Fluoride	340.2	
TKN	351.2	
NO2/NO3	353.2	
D.O.	360.2	
Petroleum Hydrocarbons (Reference 4)	418.1	
Phenol	420.2	
Phosphorous	365.1	
Silica	370.1	
Sulfate	375.2/375.4	
Sulfide	376.1	
Surfactants	425.1	
TOC	415.1	
TOX		9022

MISCELLANEOUS ANALYSIS:

Extraction Procedure Toxicity	1310
Ignitability	1010
Corrosivity	1110
Reactivity	Chapter 8.3
Toxicity Characteristic Leaching Procedure (TCLP)	(Ref. 5)

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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) as modified by NJDEP-BISE (for non-aqueous samples)
- (5) Federal Register Vol. 51, No. 216 Friday, 11/7/86, pp. 40643-40652

DATA REPORTING QUALIFIERS

- U Indicates compound was analyzed for but not detected. Report the minimum detection limit for the sample with the U (e.g. 10 U) based on necessary concentration dilution actions. (This is not necessarily the instrument detection limit.) The footnote should read U-Compound was analyzed for but not detected. The number is the minimum attainable detected limit for the sample.
- J Indicates an estimated value. This flag is used either when estimating a concentration for tentatively identified compounds where a 1:1 response is assumed or when the mass spectral data indicates the presence of a compound that meets the identification criteria but the result is less than the specified detection limit but greater than zero (e.g.: If limit of detection is 10 ug/l and a concentration of 3 ug/l is calculated, report as 3J.)
- B This flag is used when the analyte is found in the blank as well as a sample. It indicates possible/probable blank contamination and warns the data user to take appropriate action.
- T This flag identifies all targeted compounds that were found above the method detection limits.
- NA This flag indicates that the compounds are not applicable.
- A Aldol condensation product.
Note: Data on soil samples expressed on a dry weight basis.

All non-water samples are reported on soil forms. This includes samples whose matrix is listed as miscellaneous.

The initial and continuing calibration dates and times for the volatile fraction are listed on the BFB summary forms. The initial and continuing calibration dates and times for the semi-volatile fractions are listed on the DFTPP summary forms.

2-J

TCLP Results

Sample ID: ASH-1
Lab ID: 8426001

EPA Hazardous Waste Number	TCLP Contaminant	Regulatory levels (mg/l)	Practical Quantitation Limit (mg/l)	Found (mg/l)
D004	Arsenic	5.0	0.5	ND
D005	Barium	100.0	10	ND
D006	Cadmium	1.0	0.1	ND
D007	Chromium	5.0	0.5	ND
D008	Lead	5.0	0.5	ND
D009	Mercury	0.2	0.02	ND
D010	Selenium	1.0	0.1	ND
D011	Silver	5.0	0.5	ND

ND = None Detected

/ 00010

2-J

TCLP Results

Sample ID: ASH-2

Lab ID: 8426002

EPA Hazardous Waste Number	TCLP Contaminant	Regulatory levels (mg/l)	Practical Quantitation Limit (mg/l)	Found (mg/l)
D004	Arsenic	5.0	0.5	ND
D005	Barium	100.0	10	ND
D006	Cadmium	1.0	0.1	ND
D007	Chromium	5.0	0.5	ND
D008	Lead	5.0	0.5	ND
D009	Mercury	0.2	0.02	ND
D010	Selenium	1.0	0.1	ND
D011	Silver	5.0	0.5	ND

ND = None Detected

✓ 00011

REPORT OF ANALYSIS

Log in No.: 8426

We find as follows:

Results in mg/kg (dry weight basis):

Sample Identification

Parameter(s)

Total Petroleum
Hydrocarbons

8426008 PETRO

70100

METHOD BLANK

<10.0

nytest environmental_{inc}

REPORT OF ANALYSIS

Log In #: 8426

We find as follows:

Results in ppm:

Sample Identification

Parameter(s)

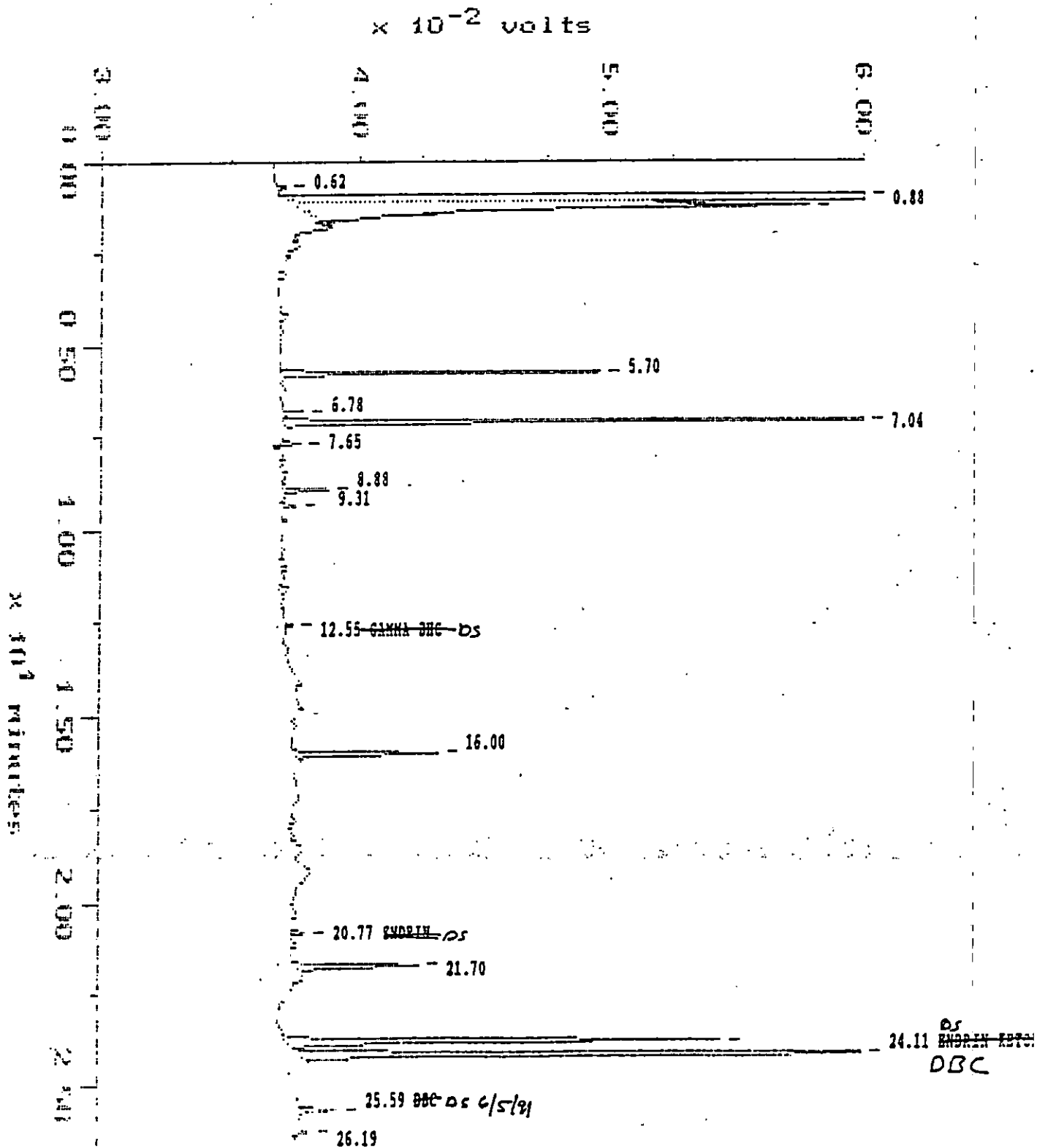
PCB (Total)

8426001	ASH-1	<2.0
8426002	ASH-2	<2.0
8426003	JP4	<2.0
8426004	KEROSENE	<2.0
8426005	OIL H2O	<2.0
8426006	OIL&GAS	<2.0
8426007	WASTEOIL	<2.0
8426008	PETRO	140
8426009	SLURRY	<2.0
Method Blank		<2.0

00013

Sample: 8426001 ASH1 Channel: detector 1
Acquired: 04-JUN-91 23:13 Method: C:\MAX\DATA1\JUNE04
Amount: 1.000 Inj Vol: 1.00
Comments: DB5 0.53MM X 30M CA RICH CONSULTANT 8426 5/29-31/91

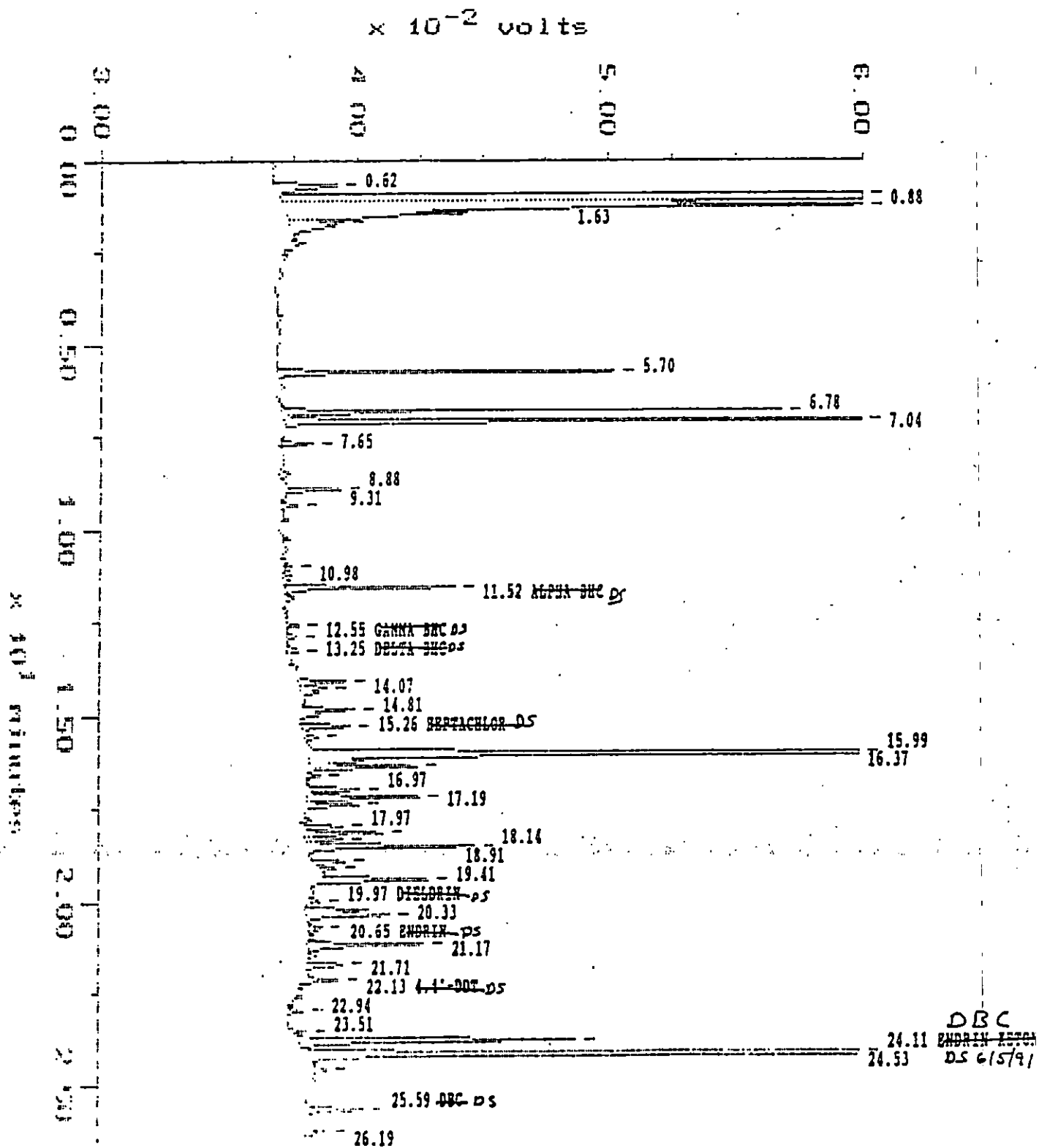
Filename: G7528
Operator:



00014

Sample: 8426002 ASH2 Channel: detector 1
Acquired: 04-JUN-91 23:53 Method: C:\MAX\DATA\JUNE04
Amount: 1.000 Inj Vol: 1.00
Comments: DB5 0.53MM X 30M CA RICH CONSULTANT 8426 5/29-31/91

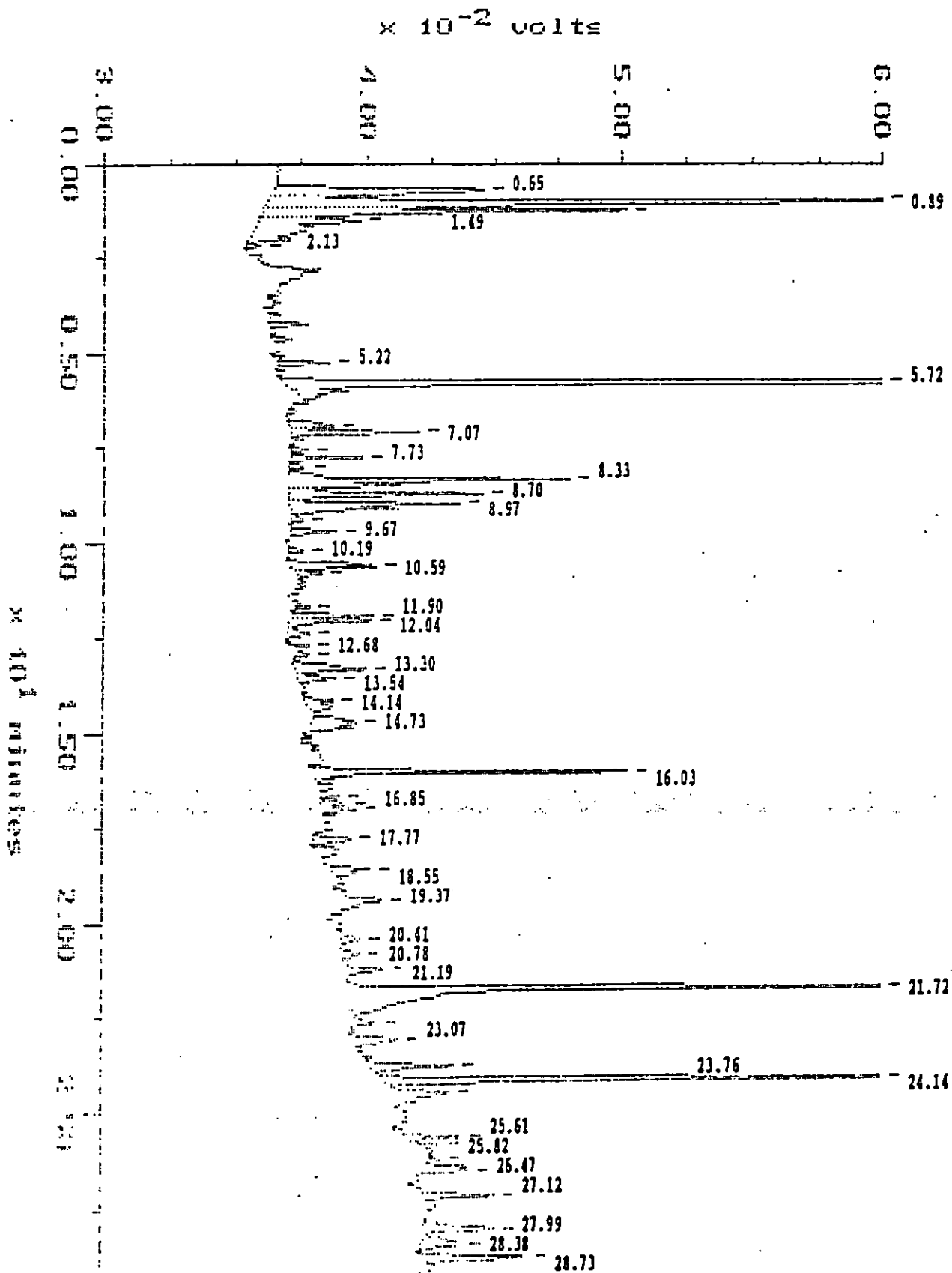
Filename: G7529
Operator:



00015

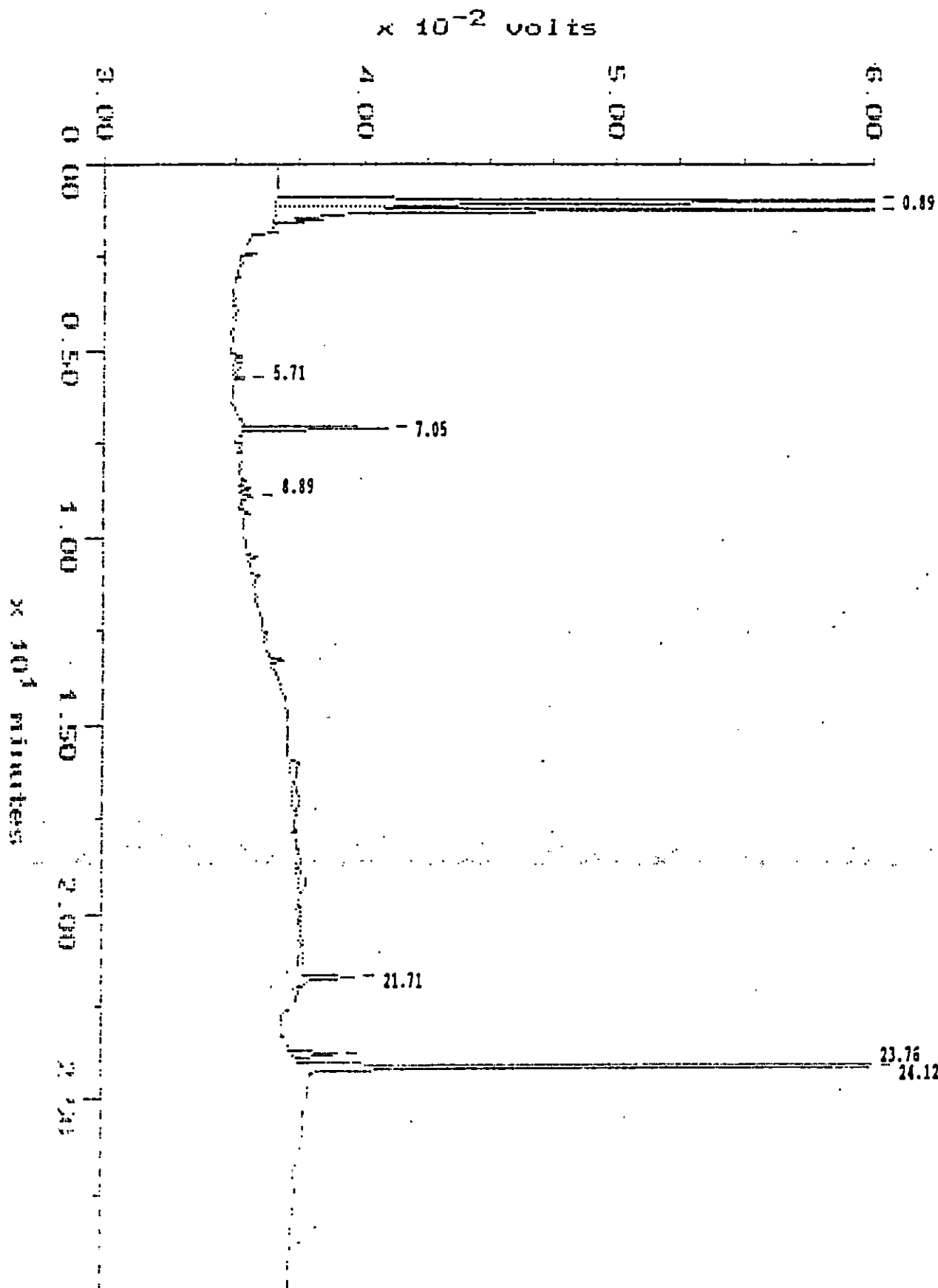
Sample: 8426003 Channel: detector 1
Acquired: 05-JUN-91 18:16 Method: C:\MAX\DATA1\JUNE04
Amount: 1.000 Inj Vol: 1.00
Comments: DB5 0.53MM X 30M CA RICH CONSULTANT 8426 5/29-31/91

Filename: G7554
Operator:



Sample: 8426004XEROSENE Channel: detector 1
Acquired: 05-JUN-91 1:52 Method: C:\MAX\DATA\JUNE04
Amount: 1.000 Inj Vol: 1.00
Comments: DB5 0.53MM X 30K CA RICH CONSULTANT 8426 5/29-31/91

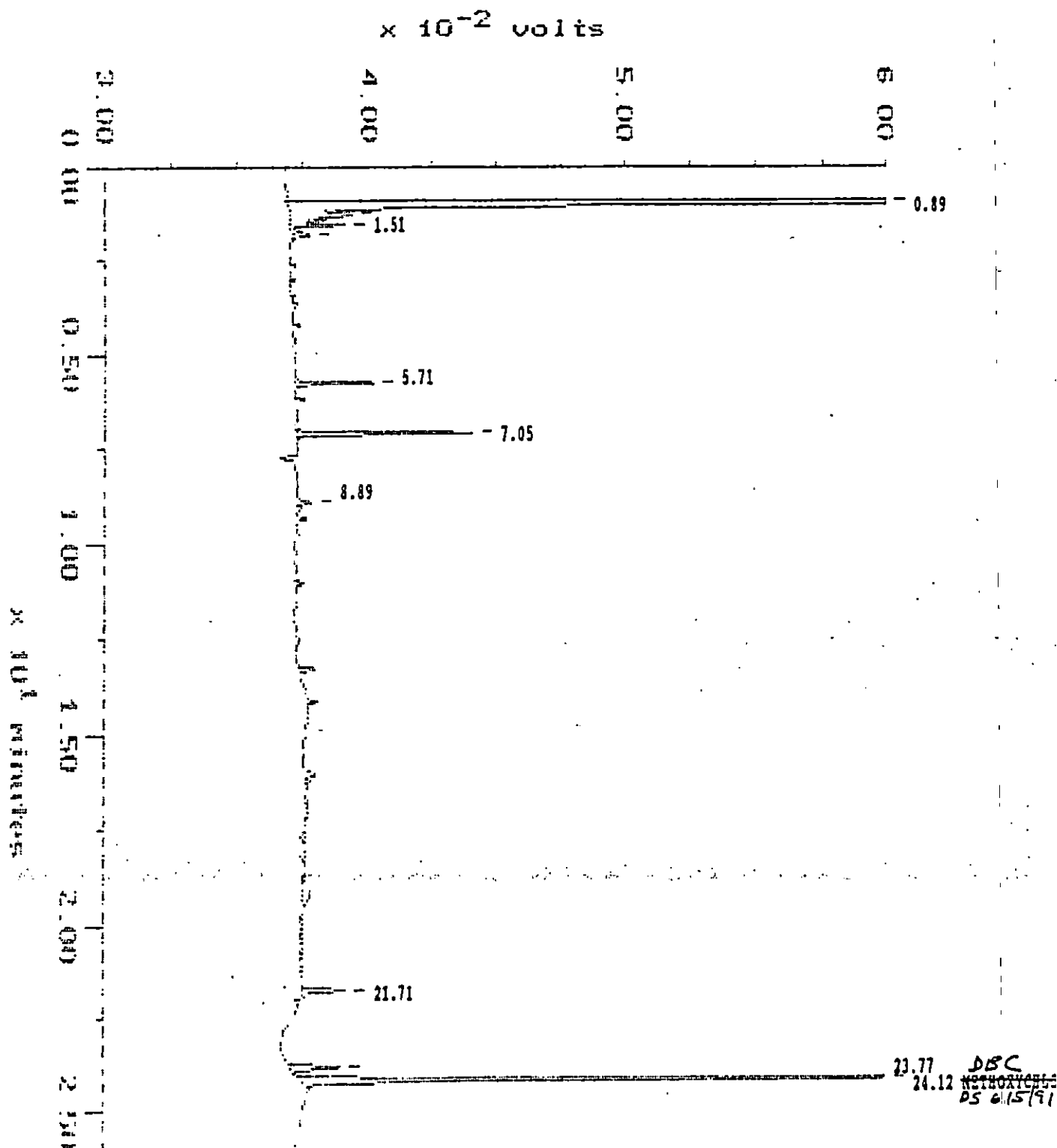
Filename: G7532
Operator:



23.76 DBC
24.12 RETENTION
6/5/91

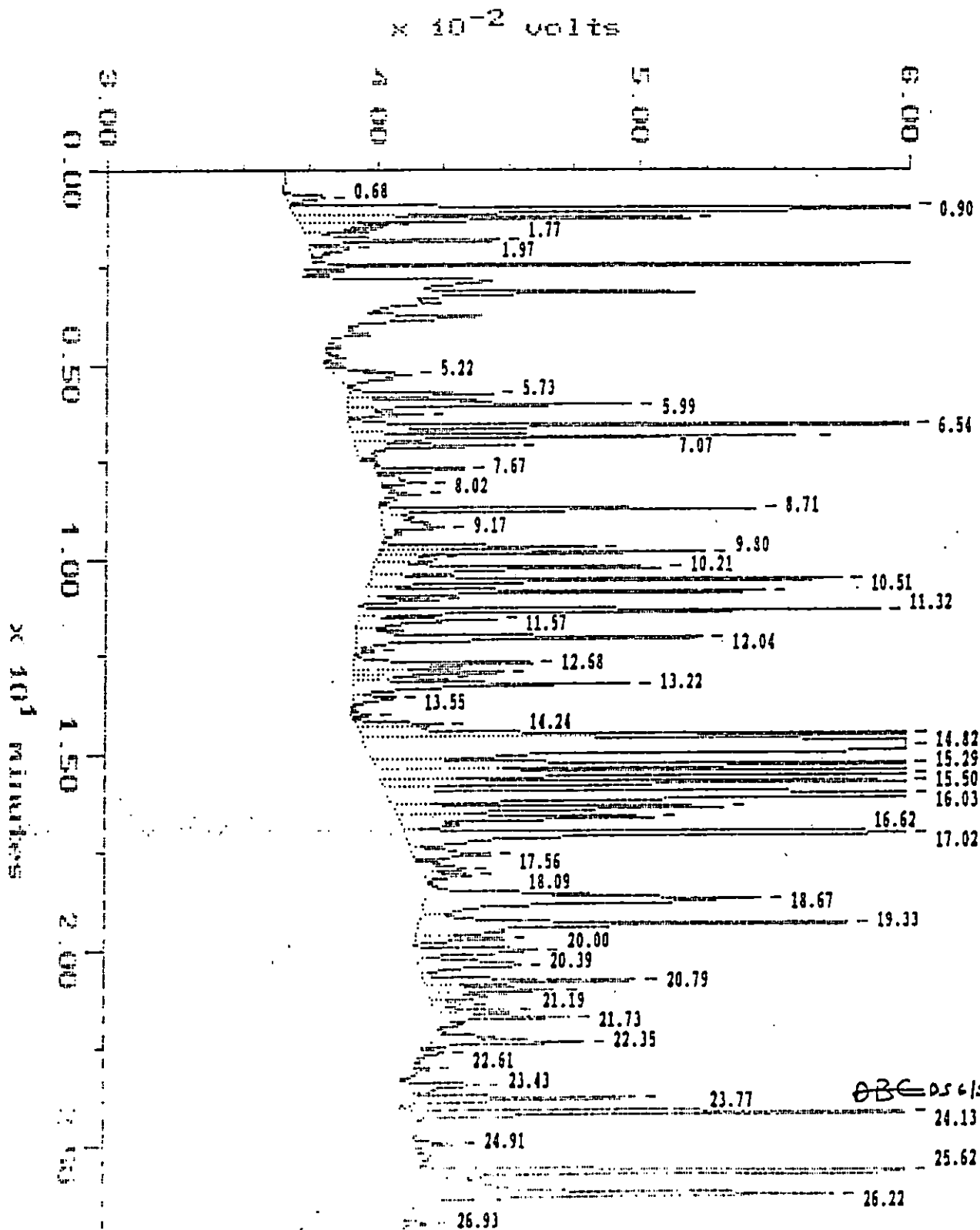
Sample: 8426005 OIL H2O Channel: detector 1
Acquired: 05-JUN-91 2:31 Method: C:\MAX\DATA\JUN91
Amount: 1.000 Inj Vol: 1.00
Comments: DB5 0.53MM X 30M CA RICH CONSULTANT 8426 5/29-31/91

Filename: G7533
Operator:



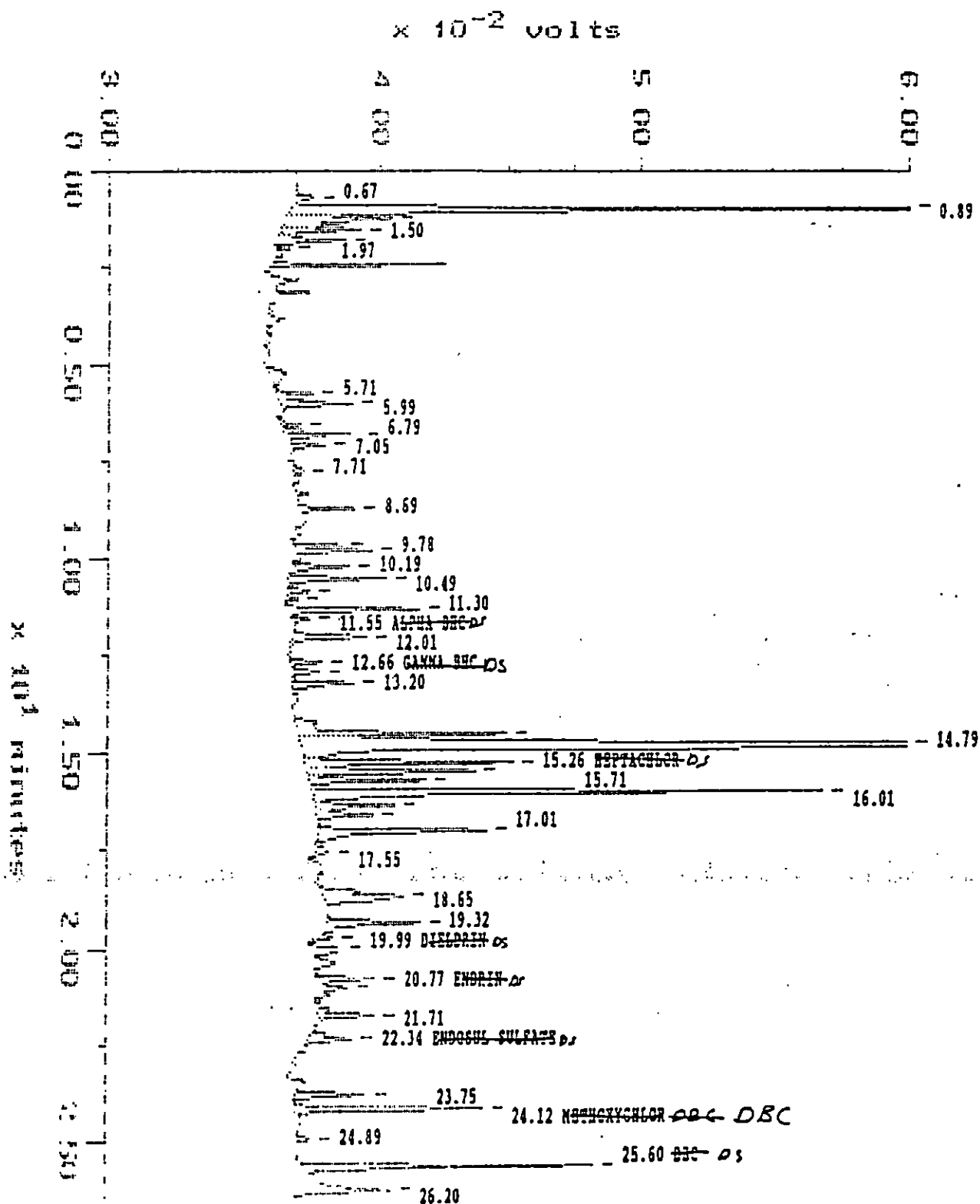
Sample: 8426006 Channel: detector 1
Acquired: 05-JUN-91, 19:36 Method: C:\NAX\DATA1\JUN204
Amount: 1.000 Inj Vol: 1.00
Comments: DB5 0.53MM X 30M CA RICH CONSULTANT 8426 5/29-31/91

Filename: G7556
Operator:



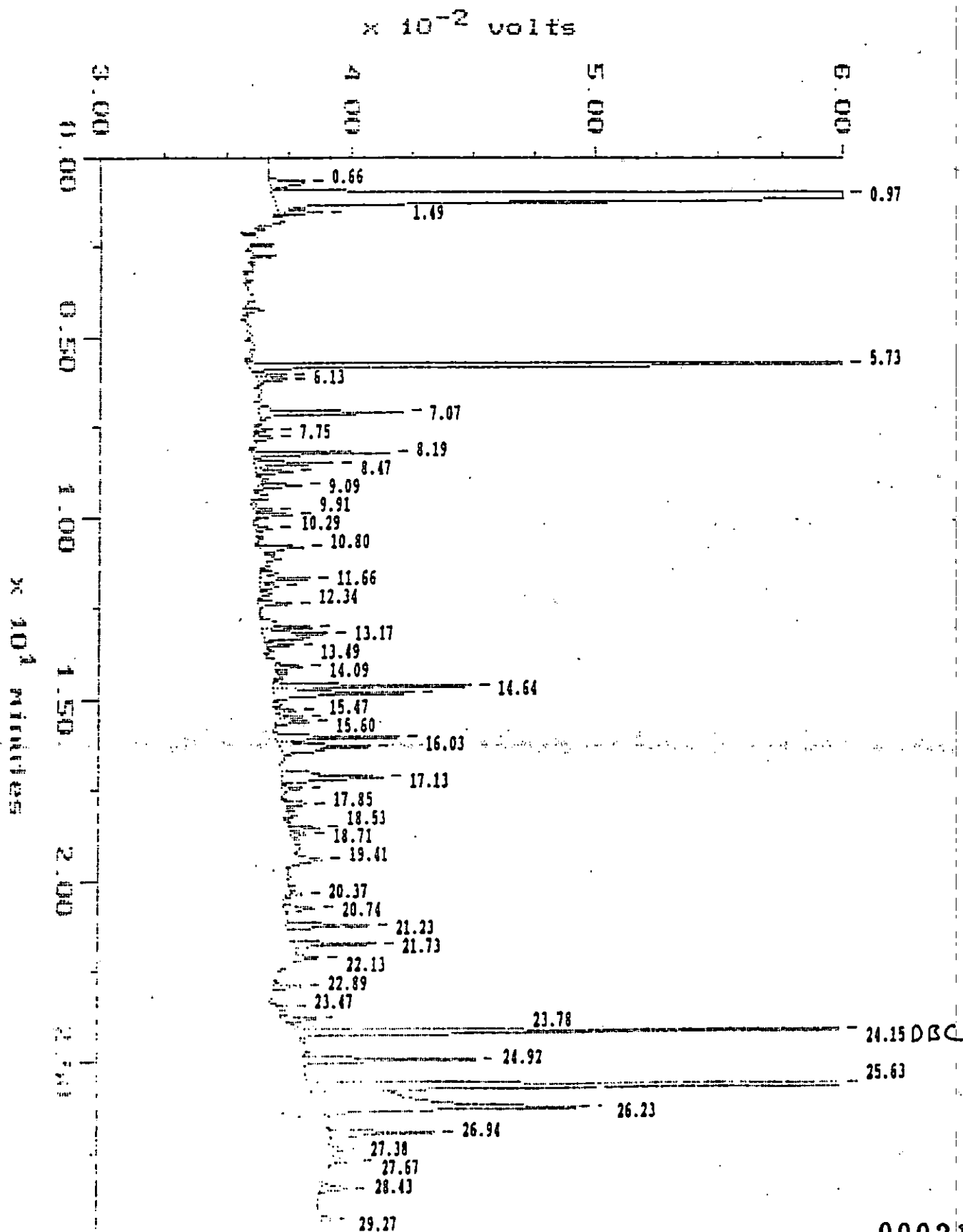
Sample: 8426006 OIL GAS Channel: detector 1
 Acquired: 05-JUN-91 3:51 Method: C:\MAX\DATA1\JUNE04
 Dilution: 1 : 5.000 Amount: 1.000
 Comments: DB5 0.53MM X 30M CA RICH CONSULTANT 8426 5/29-31/91

Filename: G7535
 Operator:
 Inj Vol: 1.00



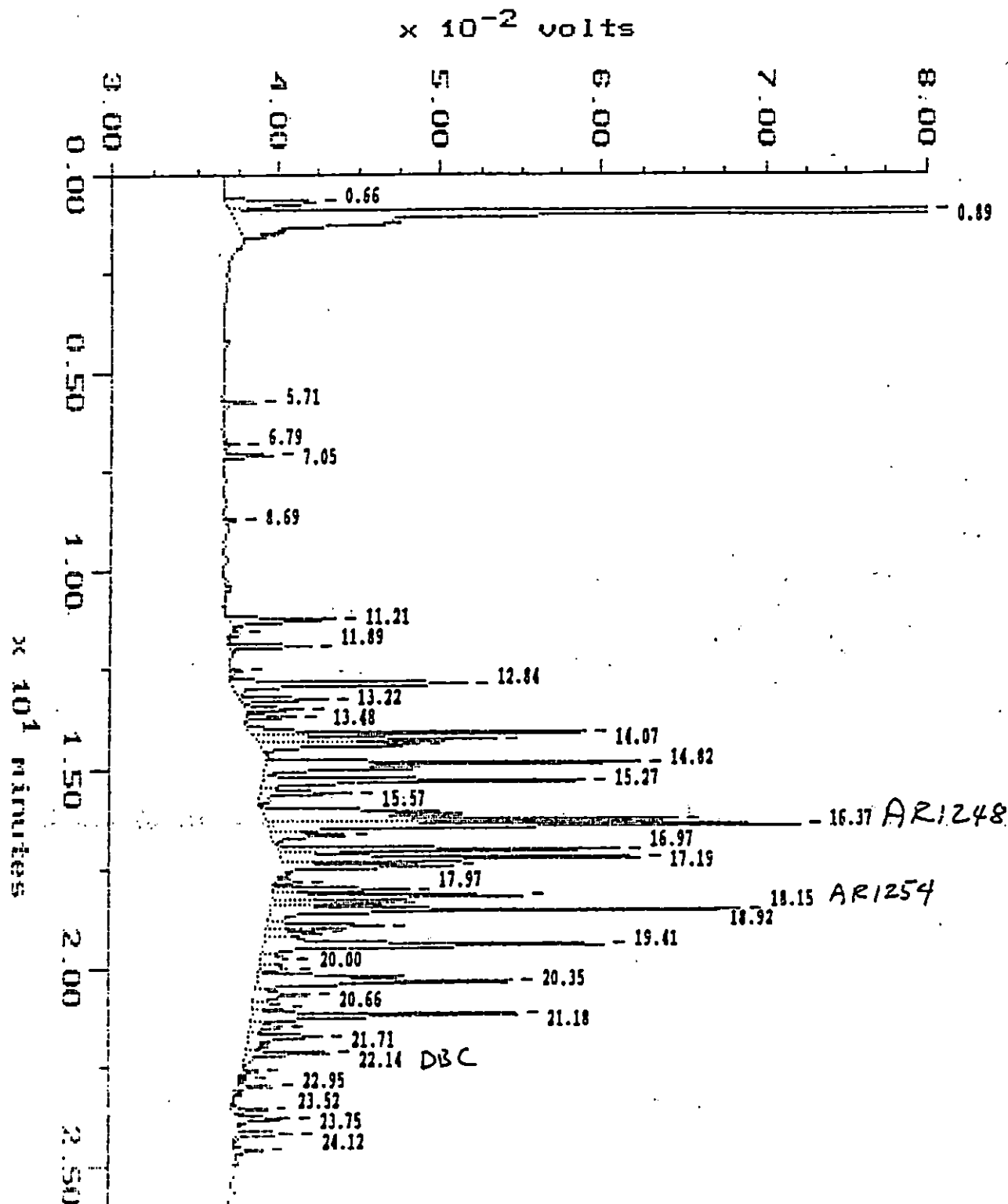
Sample: 8426007 Channel: detector 1
Acquired: 05-JUN-91 20:57 Method: C:\MAX\DATA1\JUNE04
Amount: 1.000 Inj Vol: 1.00
Comments: DB5 0.53MM X 30M CA RICH CONSULTANT 8426 5/29-31/91

Filename: G7558
Operator:



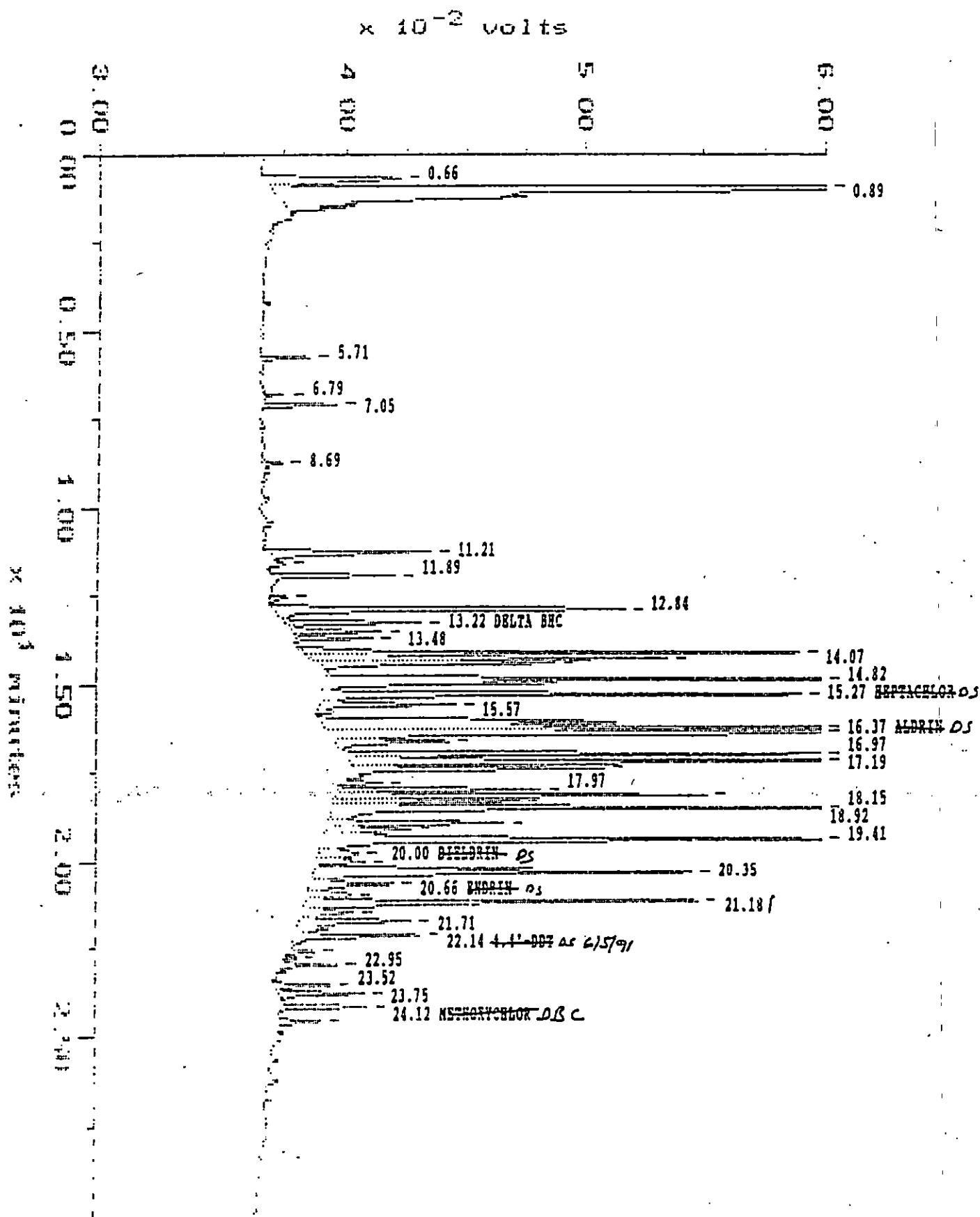
Sample: 8426008 PETRO Channel: detector 1
Acquired: 05-JUN-91 5:50 Method: C:\MAX\DATA1\JUN804
Dilution: 1 : 10.000 Amount: 1.000
Comments: DB5 0.53MM X 30M CA RICH CONSULTANT 8426 5/29-31/91

Filename: G7538
Operator:
Inj Vol: 1.00

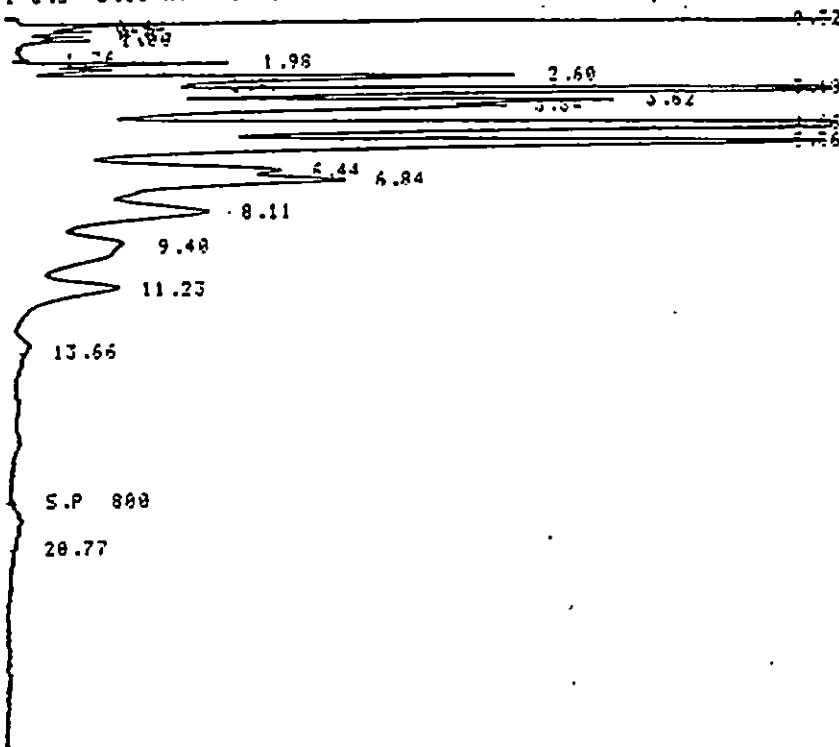


Sample: 8426008 PETRO Channel: detector 1
 Acquired: 05-JUN-91 5:50 Method: C:\MAX\DATA1\JUNE04
 Dilution: 1 : 10.000 Amount: 1.000
 Comments: DB5 0.5JMM X 30N CA RICH CONSULTANT 8426 5/29-31/91

Filename: G7538
 Operator:
 Inj Vol: 1.00



2ul CA.Rich 8426-008 Petro 110 ml. 1:20 dil.
 CH: 1 C.S. 5.00 ATT 0 OFFS 5 06/07/91 13:23



TEMP: 150 200 C
 42SE30/62SP2401
 6FT:2MM ID ECD
 TRACOR 222 A 1
 METH'S 608 /5098 /8088 /8158

D-2000

06/07/91 13:23

SAMPLE: TAG: 139 CH: 1

FILE: 1 CALC-METHOD: AREA% TABLE: 0 CONC: AREA

NO.	PT	AREA	HEIGHT	RRT	BC	NAME
1	0.32	6676	1918	0.32	BU	
4	0.82	337	65	0.82	TBU	
5	1.00	363	80	1.00	TUB	
7	1.98	2642	256	1.98	BU	
8	2.23	519	75	2.23	TBB	
9	2.60	8925	615	2.60	UU	
10	2.92	1461	200	2.92	UU	
11	3.18	19204	1240	3.18	UU	
12	3.62	10144	734	3.62	UU	
13	3.84	10053	598	3.84	UU	
14	4.44	33273	1480	4.44	UU	
15	5.36	24510	986	5.36	UU	
16	6.44	7534	285	6.44	UU	
17	6.84	12136	365	6.84	UU	
18	8.11	7521	180	8.11	UB	
19	9.40	4489	74	9.40	BB	
20	11.23	3267	93	11.23	BB	
21	13.66	340	10	13.66	BB	
22	20.77	1277	16	20.77	BB	

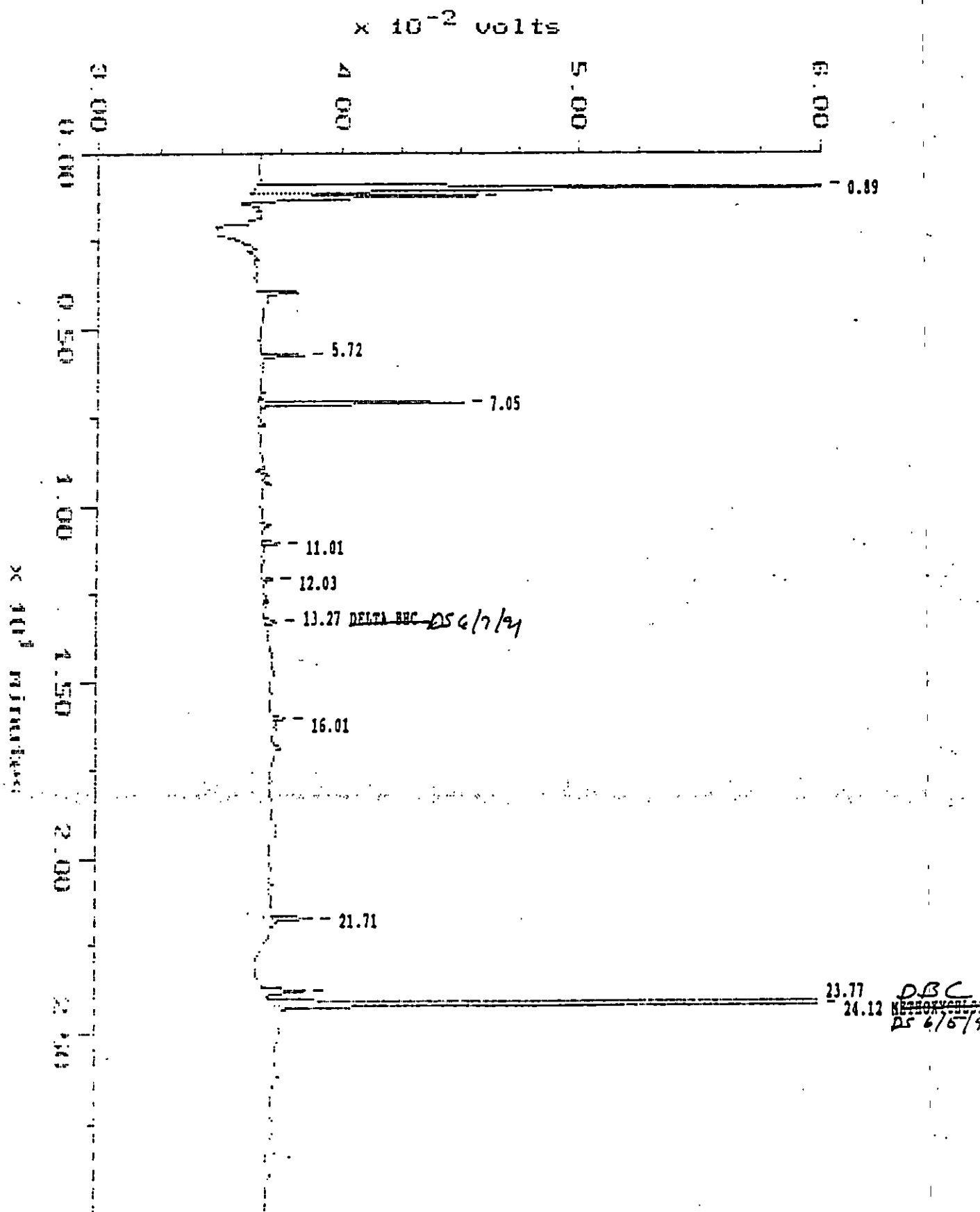
TOTAL 154031 9278

REAL PFI: 299
 STORAGE FULL

142,571
 $\frac{94}{2} \times \frac{10}{1} \times 20 =$
 15,671 ppb (wet)
 161,181 ppb (dry)

Sample: 8426009 SLURRY Channel: detector 1
Acquired: 05-JUN-91 7:10 Method: C:\MAX\DATA\1\JUNE04
Amount: 1.000 Inj Vol: 1.00
Comments: DB5 0.53NM X 30M CA RICH CONSULTANT 8426 5/29-31/91

Filename: G7540
Operator:



VOLATILE ORGANICS: METHOD 601/602

Sample ID: SLURRY
 Lab Sample ID No.: 8426009
 Sample Size: 100uL (4g/10mL)

Log in No.: 8426

Parameter(s)	Cas #	MDL (ug/kg)	Found (ug/kg)
Bromodichloromethane	75-27-4	125	ND
Bromoform	75-25-2	125	ND
Bromomethane	74-83-9	125	ND
Carbon Tetrachloride	56-23-5	125	ND
Chlorobenzene	108-90-7	125	ND
Chloroethane	75-00-3	125	ND
2-Chloroethylvinyl ether	100-75-8	125	ND
Chloroform	67-66-3	125	ND
Chloromethane	74-87-3	125	ND
Dibromochloromethane	124-48-1	125	ND
1,2-Dichlorobenzene	95-50-1	125	110000 T
1,3-Dichlorobenzene	541-73-1	125	ND
1,4-Dichlorobenzene	106-46-7	125	1200 T
1,1-Dichloroethane	75-46-7	125	ND
1,2-Dichloroethane	107-06-2	125	ND
1,1-Dichloroethene	75-35-4	125	ND
trans-1,2-Dichloroethene	156-60-5	125	ND
1,2-Dichloropropane	78-87-5	125	ND
cis-1,3-Dichloropropene	10061-01-5	125	ND
trans-1,3-Dichloropropene	10061-02-5	125	ND
Methylene Chloride	75-09-2	125	180 T
1,1,2,2-Tetrachloroethane	79-34-5	125	ND
Tetrachloroethene	127-18-4	125	ND
1,1,1-Trichloroethane	71-55-6	125	ND
1,1,2-Trichloroethane	79-00-5	125	ND
Trichloroethene	79-01-6	125	ND
Trichlorofluoromethane	75-69-4	125	ND
Vinyl Chloride	75-01-4	125	ND
Benzene	71-43-2	125	ND
Toluene	108-88-3	125	1100 T
Ethyl Benzene	100-41-4	125	210 T
Xylenes (Total)	-	125	2500 T

Chromatogram

Sample Name : 8426-009 1:125 DIL

FileName : c:\2700\data2\PJ88015.raw

Start Time : 0.00 min

End Time : 38.00 min

Scale Factor: 1

Plot Offset: -21 mV

Sample #: SLURRY

Date : 6/9/91 02:36 PM

Low Point : -28.96 mV

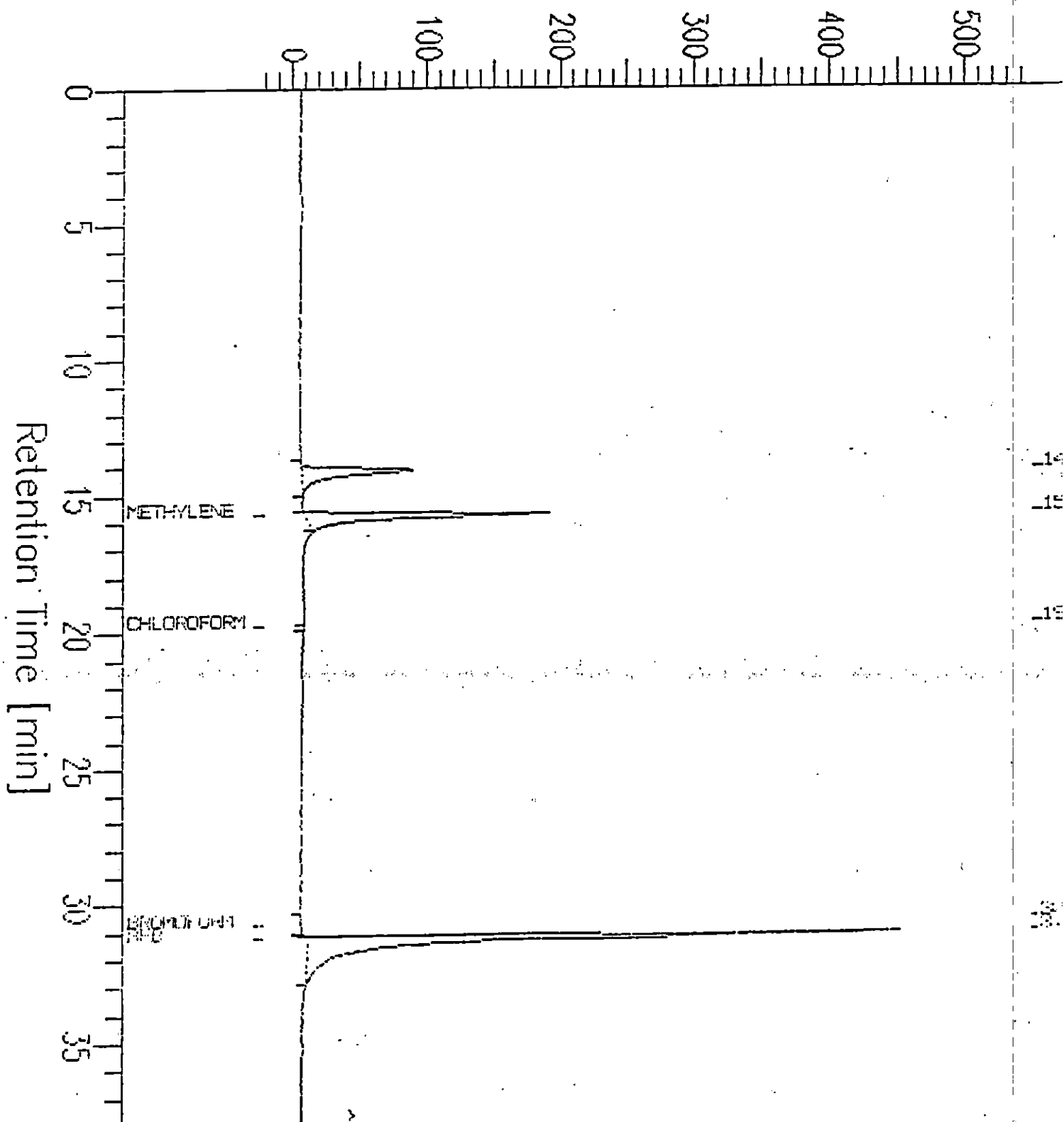
Plot Scale: 578 mV

Page 1 of 1

High Point : 549.18 mV

C.A. Rich 5/29/91

A Response [mV]



00027

Sample Name : 8426-009 1:125 Dil
File Name : c:\270\data\0J08015.raw
Start Time : 8.00 min
Scale Factor: 1

End Time : 38.00 min
Plot Offset: -1 mV

Sample #: 610617
Date : 6/6/91 02:21 PM
Low Point : -1.13 mV
Plot Scale: 200 mV

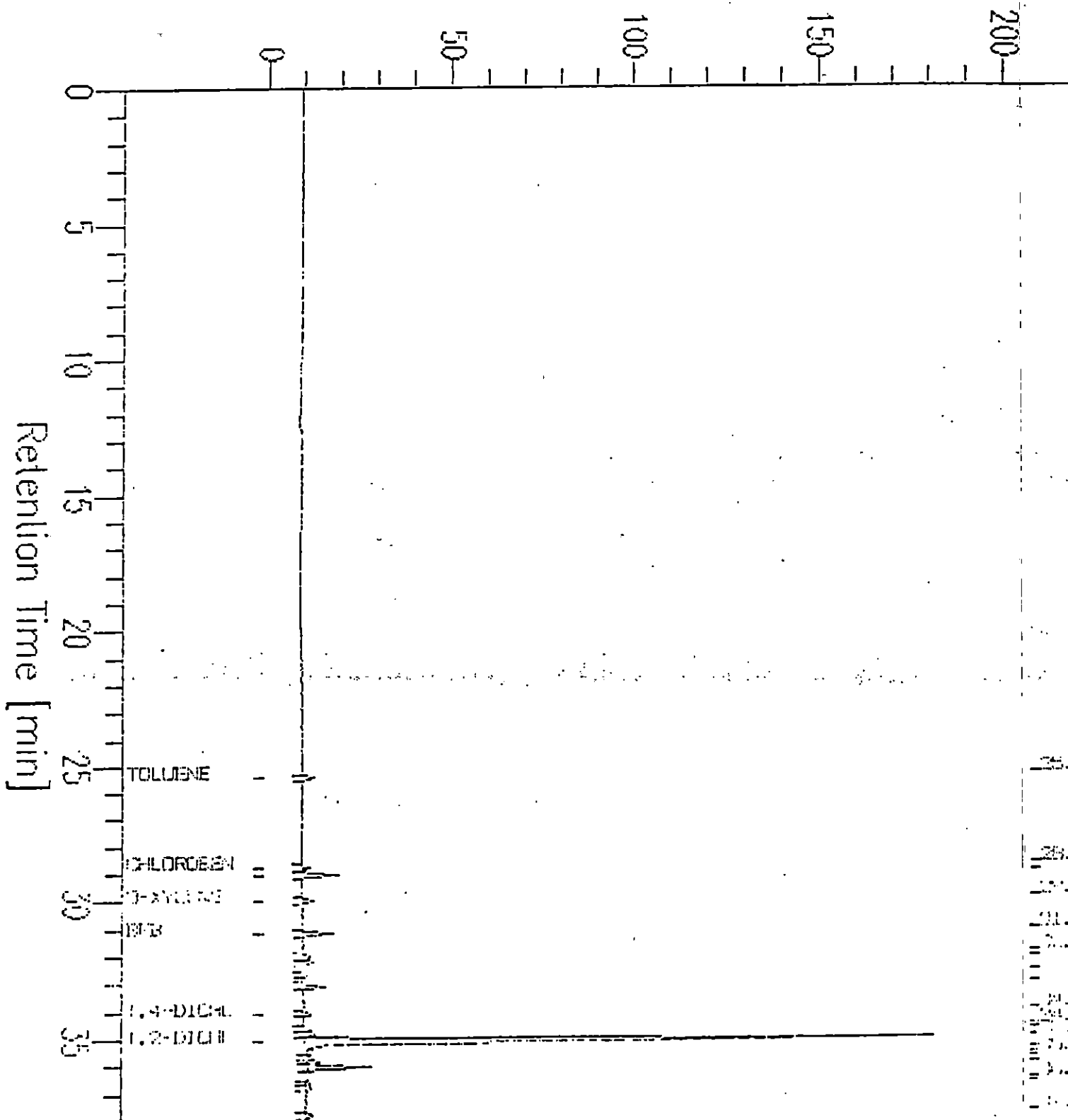
Page 1 of 1

High Point : 267.89 mV

CA. RICH 5/29/91

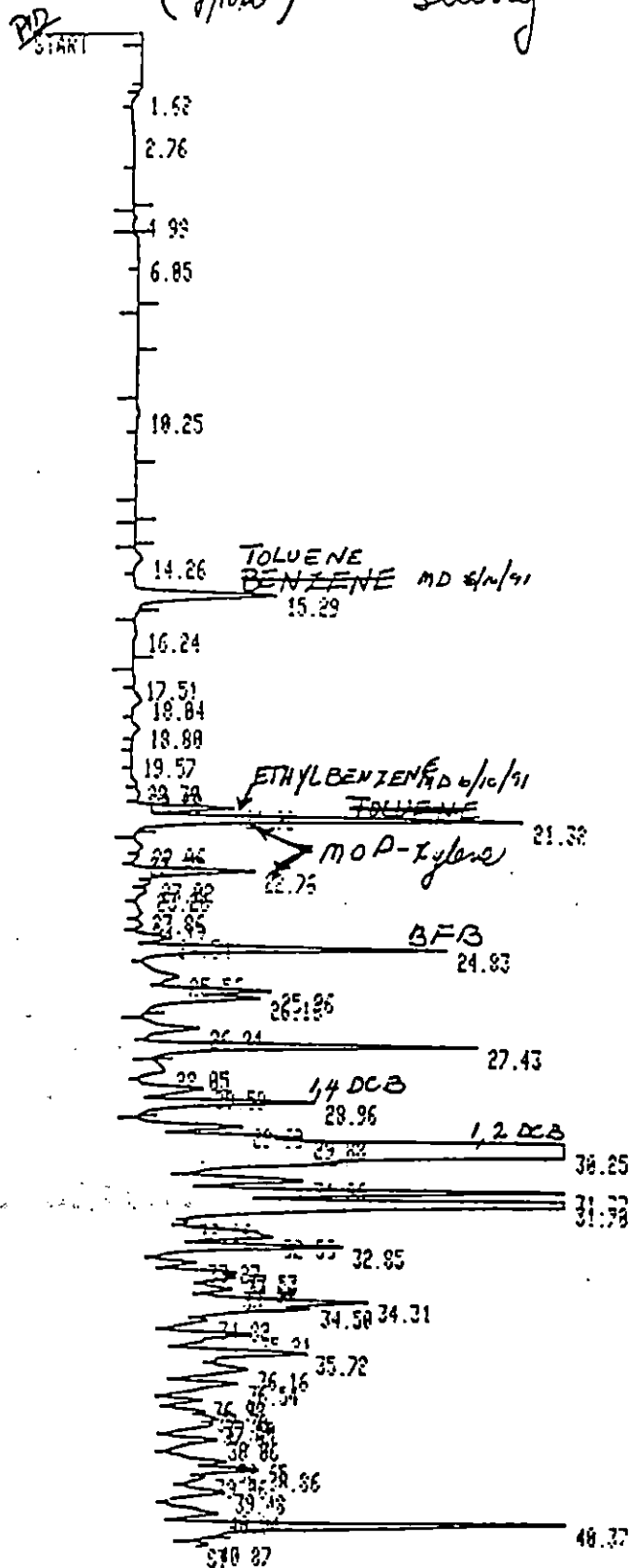
B

Response [mV]



00028

100ul CA Rich 8426-009
(7g/10ml) Slurry



RUN # 684

JUL/09/91 01:10:33

AREA:

RT	AREA	TYPE	AR/HT	AREA%
1.62	9368	D VP	0.134	0.024
2.76	16519	PV	0.633	0.042
4.93	7406	PR	0.176	0.019
6.85	61745	FV	0.851	0.157

00029

100ul C.A. Rich 8426-009

* RUN # 664 JUN 9, 1991 01:11:14
START

Hall

2.849
3.395 METHYLENE CHLORIDE

BFB
24.963

TIMETABLE STOP

RUN# 664 JUN 9, 1991 01:11:14

AREA#	RT	AREA	TYPE	WIDTH	AREA%
	2.849	273482	PV	.072	4.03076
	* 3.395	2166405	VB	.149	31.92793
BFB	24.963	4344386	PB	.200	64.03930

00030

VOLATILE ORGANICS: METHOD 601/602

Sample ID: SOLVENTS

Log in No.: 8426

Lab Sample ID No.: 8426010

Sample Size: 100uL (4g/10mL)

Parameter(s)	Cas #	MDL (ug/kg)	Found (ug/kg)
Bromodichloromethane	75-27-4	125	ND
Bromoform	75-25-2	125	ND
Bromomethane	74-83-9	125	ND
Carbon Tetrachloride	56-23-5	125	ND
Chlorobenzene	108-90-7	125	ND
Chloroethane	75-00-3	125	ND
2-Chloroethylvinyl ether	100-75-8	125	ND
Chloroform	67-66-3	125	ND
Chloromethane	74-87-3	125	ND
Dibromochloromethane	124-48-1	125	ND
1,2-Dichlorobenzene	95-50-1	125	120000 T
1,3-Dichlorobenzene	541-73-1	125	ND
1,4-Dichlorobenzene	106-46-7	125	1400 T
1,1-Dichloroethane	75-46-7	125	ND
1,2-Dichloroethane	107-06-2	125	ND
1,1-Dichloroethene	75-35-4	125	ND
trans-1,2-Dichloroethene	156-60-5	125	ND
1,2-Dichloropropane	78-87-5	125	ND
cis-1,3-Dichloropropene	10061-01-5	125	ND
trans-1,3-Dichloropropene	10061-02-5	125	ND
Methylene Chloride	75-09-2	125	190 T
1,1,2,2-Tetrachloroethane	79-34-5	125	ND
Tetrachloroethene	127-18-4	125	ND
1,1,1-Trichloroethane	71-55-6	125	ND
1,1,2-Trichloroethane	79-00-5	125	ND
Trichloroethene	79-01-6	125	ND
Trichlorofluoromethane	75-69-4	125	ND
Vinyl Chloride	75-01-4	125	ND
Benzene	71-43-2	125	ND
Toluene	108-88-3	125	1200 T
Ethyl Benzene	100-41-4	125	910 T
Xylenes (Total)	-	125	3100 T

Sample Name : 84-5-010 1:125 G/L
 FileName : c:\2780\data2\FJ86017.raw
 Start Time : 0.00 min
 Scale Factor: 1

End Time : 36.00 min
 Plot Offset: -50 mV

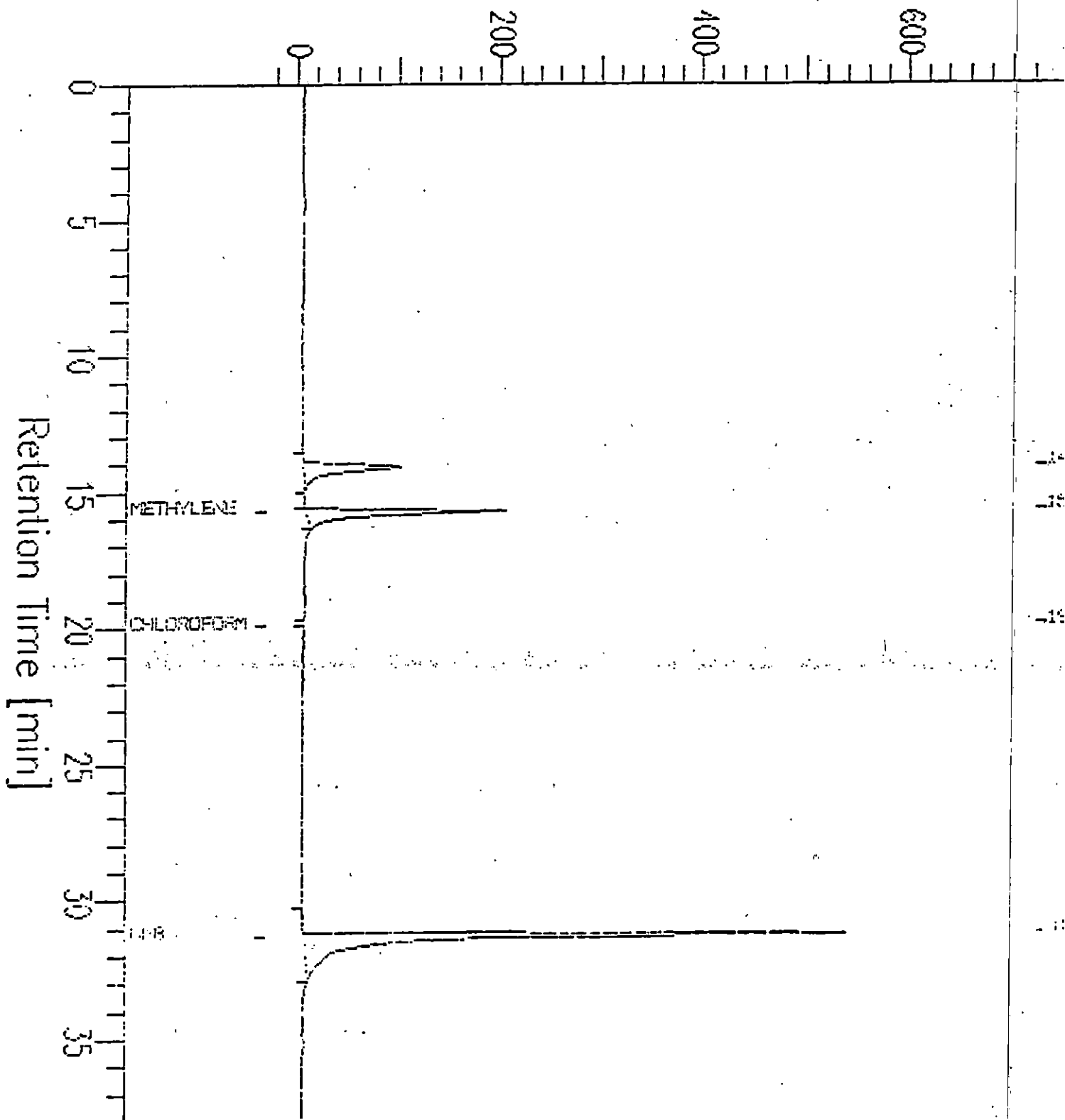
Sample #: SOLVENT
 Date : 6/9/91 8:27 PM
 Low point : -25.70 mV
 Plot Scale: 752 mV

Page 1 of 1

High Point : 722.43 mV

CA. Rich 5/29/91

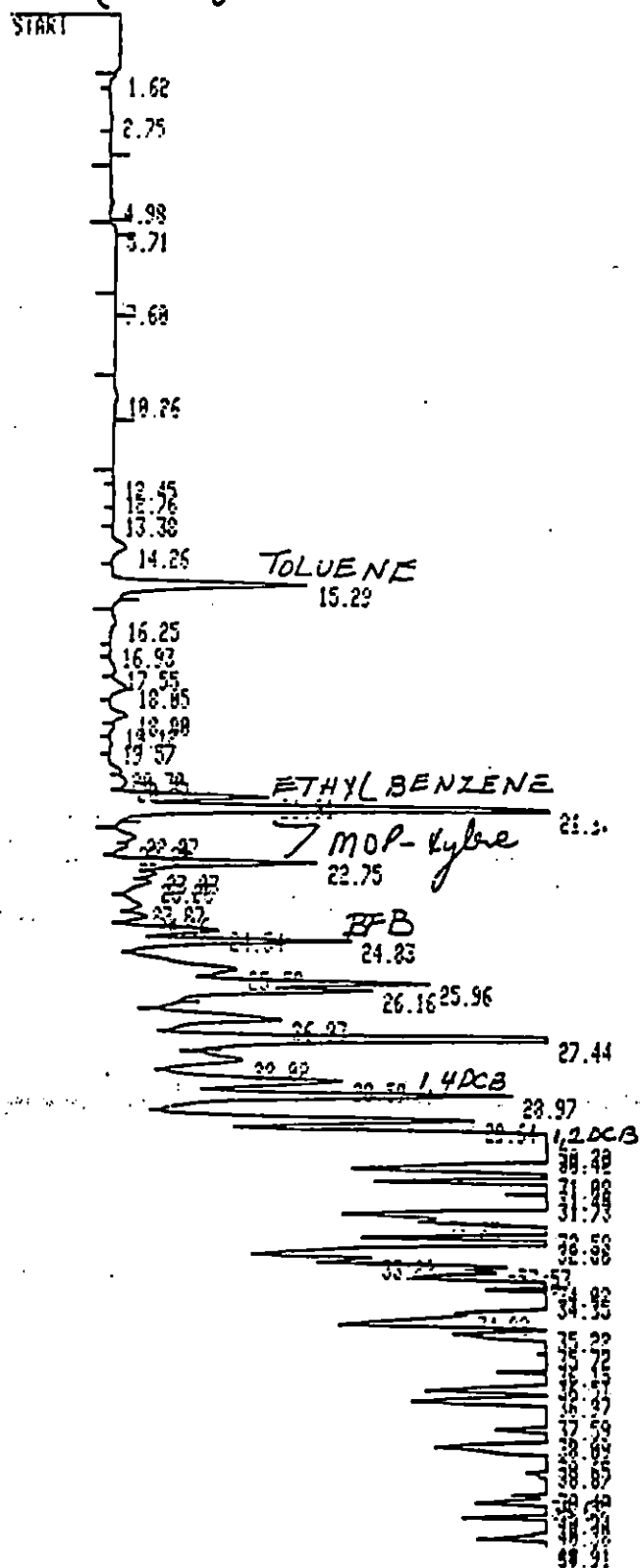
A Response [mV]



00032

00033

100.0l CARICH 8426-00, Solvent
($\mu\text{g}/\text{ml}$)



RUN # 685

JUN/89/91 02:16:58

AREA%
FI

ORIG TYPE

OR/HT

AREA%

00034

100 µl CA. Rich 5426-D10 SOLVENT

* RUN # 665 JUN 9, 1991 02:17:29

START

2.851

3.391 Methylene chloride

BFB
24.965

TIMETABLE STOP

RUN# 665 JUN 9, 1991 02:17:29

AREA#	RT	AREA	TYPE	WIDTH	AREA%
	2.851	833524	PP	.227	21.14467
	*3.391	2344354	PE	.142	59.46946
BFB	*24.965	761228	PV	.057	19.38549

00035

VOLATILE ORGANICS: METHOD 601/602

Sample ID: VBLK
Lab Sample ID No.: VBLK
Sample Size: 5mL

Log in No.: 8426

Parameter(s)	Cas #	MDL (ug/kg)	Found (ug/kg)
Bromodichloromethane	75-27-4	125	ND
Bromoform	75-25-2	125	ND
Bromomethane	74-83-9	125	ND
Carbon Tetrachloride	56-23-5	125	ND
Chlorobenzene	108-90-7	125	ND
Chloroethane	75-00-3	125	ND
2-Chloroethylvinyl ether	100-75-8	125	ND
Chloroform	67-66-3	125	ND
Chloromethane	74-87-3	125	ND
Dibromochloromethane	124-48-1	125	ND
1,2-Dichlorobenzene	95-50-1	125	ND
1,3-Dichlorobenzene	541-73-1	125	ND
1,4-Dichlorobenzene	106-46-7	125	ND
1,1-Dichloroethane	75-46-7	125	ND
1,2-Dichloroethane	107-06-2	125	ND
1,1-Dichloroethene	75-35-4	125	ND
trans-1,2-Dichloroethene	156-60-5	125	ND
1,2-Dichloropropane	78-87-5	125	ND
cis-1,3-Dichloropropene	10061-01-5	125	ND
trans-1,3-Dichloropropene	10061-02-5	125	ND
Methylene Chloride	75-09-2	125	ND
1,1,2,2-Tetrachloroethane	79-34-5	125	ND
Tetrachloroethene	127-18-4	125	ND
1,1,1-Trichloroethane	71-55-6	125	ND
1,1,2-Trichloroethane	79-00-5	125	ND
Trichloroethene	79-01-6	125	ND
Trichlorofluoromethane	75-69-4	125	ND
Vinyl Chloride	75-01-4	125	ND
Benzene	71-43-2	125	ND
Toluene	108-88-3	125	ND
Ethyl Benzene	100-41-4	125	ND
Xylenes (Total)	-	125	ND

2-J

TCLP Results

Sample ID: METHOD
Lab ID: BLANK

EPA Hazardous Waste Number	TCLP Contaminant	Regulatory levels (mg/l)	Practical Quantitation Limit (mg/l)	Found (mg/l)
D004	Arsenic	5.0	0.5	ND
D005	Barium	100.0	10	ND
D006	Cadmium	1.0	0.1	ND
D007	Chromium	5.0	0.5	ND
D008	Lead	5.0	0.5	ND
D009	Mercury	0.2	0.02	ND
D010	Selenium	1.0	0.1	ND
D011	Silver	5.0	0.5	ND

ND = None Detected

00037

2 D
MYTEST ENVIRONMENTAL INC.
PESTICIDE SURROGATE RECOVERY

LOG IN #: 8426

PAGE #: 1

MATRIX: SOIL

|<<<PESTICIDE>>>|

	SAMPLE #	DBC	PEST OUT
	=====	=====	=====
01	BLANK	109 OK	0
02	ASH-1	99 OK	0
03	ASH-2	108 OK	0
04	JP4	71 OK	0
05	KEROSENE	105 OK	0
06	OIL H2O	102 OK	0
07	OIL&GAS	70 OK	0
08	WASTEOIL	78 OK	0
09	PETRO	95 OK	0
10	SLURRY	104 OK	0
11			
12			
13			
14			
15			
16			
17			
18			
19			
20			
21			
22			
23			
24			
25			
26			
27			
28			
29			
30			

LIMITS

DBC

5 - 285

* SURROGATES OUTSIDE QC LIMITS

00038

3 D PCB
NYTEST ENVIRONMENTAL INC.

PCB MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

LOGIN #:

8426

MATRIX: SOIL

PAGE:

1

FRACTION	COMPOUND	CONC. SPIKE ADDED PPM	SAMPLE RESULT	CONC. MSD PPM	%	CONC. MSD PPM	%	RPD	QC LIMITS	
									RPD	RECOVERY
SAMPLE # SC-4 NYTEST # 8363004	PCB 1016	10	0.00	10.50	105.00 OK	15.50	155.00 OK	39.46 *	23	10 -230
									27	10 -245
									25	10 -265
	PCB 1260	10	0.00	12.40	124.00 OK	16.90	169.00 OK	30.72 *	28	10 -195
									23	10 -185
									21	10 -300

OF % MS/MSD 0 OF 4
PEST OUT: —

OF RPD 2 OF 2
PEST OUT: —

00039

3 A
NYTEST ENVIRONMENTAL INC.

VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

LOGIN #:

8426

MATRIX: WATER

PAGE:

1

FRACTION	COMPOUND	CONC. SPIKE ADDED (ug)	SAMPLE RESULT	CONC. MS	X RECOVERY	CONC. MSD	X RECOVERY	RPD	QC LIMITS	
									RPD	RECOVERY
SAMPLE # MW-1 NYTEST # 8400001	1,1-DICHLOROETHENE	50	0.00	40.00	80.00 OK	37.00	74.00 OK	7.79 OK	16	40 -150
	TRICHLOROETHENE	50	0.00	43.00	86.00 OK	41.00	82.00 OK	4.76 OK	38	45 -130
	BENZENE	50	0.00	44.00	88.00 OK	40.00	80.00 OK	9.52 OK	16	15 -180
	TOLUENE	50	0.00	45.00	90.00 OK	40.00	80.00 OK	11.76 OK	23	55 -135
	CHLOROBENZENE	50	0.00	53.00	106.00 OK	42.00	84.00 OK	23.16 OK	32	60 -125

OF X MS/MSD 0 OF 10
VOA OUT: —

OF RPD 0 OF 5
VOA OUT: —

00040



TOTAL ANALYTICAL SERVICES FOR A SAFE ENVIRONMENT

nytest environmental inc.

Project No.: 9118057
Log in No.: 8559
P.O. No.: Pending
Date: June 24, 1991

ANALYTICAL DATA REPORT
PACKAGE FOR

C.A. Rich Consultants

404 Glen Cove Ave.

Sea Cliff, NY 11579

ATTN: Bruce Beck
REF: Meadowbrook Realty

SAMPLE
IDENTIFICATION

LABORATORY
NUMBER

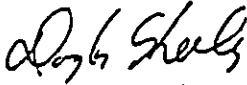
SAMPLE
MATRIX

SEE NEXT PAGE

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

PARAG K. SHAH, Ph. D.
ORGANIC LAB. MANAGER
gw

RESPECTFULLY SUBMITTED,
NYTEST ENVIRONMENTAL INC.


DOUGLAS SHEELEY
LABORATORY DIRECTOR

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

NYTEST ENVIRONMENTAL Inc.

LABORATORY
NUMBER

SAMPLE
IDENTIFICATION

TYPE OF
SAMPLE

8559001
8559002
8559003
8559004
8559005
8559006
8559007

SD-1
SD-2
SD-3
GP-1
GP-2
TP-1
TP-2

Miscell.
Miscell.
Miscell.
Miscell.
Miscell.
Soil
Soil

nytest environmental inc

Table of Contents

Log in No.: 8559

	<u>Page</u>
I. Sample Analysis Request Form	NA
II. Chain of Custody.	1 - 2
III. Laboratory Deliverable Checklist.	3
IV. Laboratory Chronicle.	4
V. Non Conformance Summary (Case Narrative).	5
VI. Methodology Summary	6 - 9
VII. Data Reporting Qualifiers	10
VIII. Sample Results	11 - 74
IX. Quality Assurance Summary (Including Initial and Continuing Calibration Time and Date)	75 - 86



TOTAL ANALYTICAL SERVICES FOR A SAFE ENVIRONMENT

nytest environmental inc

CHAIN OF CUSTODY RECORD

Page _____ of _____

SHIP TO: Nytest Environmental Inc.
60 Seaview Blvd.
Port Washington, NY 11050
(516) 625-5500
Attn: _____

REPORT TO: Client Name CA RICH CONSULTANTS
Address 404 Glen Cove Ave
SEA CLIFF, NY 11579
Phone 674-3889
Attn: Bruce Beck

Project No.	Project Name	Date Shipped	Carrier
	<u>Meadowbrook Realty Corp</u>		
Sampler: (Signature) <u>B Beck</u>		Analytical Protocol	Air Bill No.
Sample I.D.	Date/Time Sampled	Sample Description	No. Of Containers
SD-1	6/7 AM	Storm Drain Sediment	3
SD-2	6/7 AM	↓	3
SD-3	6/7 AM	↓	3
GP-1	6/7 AM	Grease Pit Liquid	3
GP-2	6/7 AM	Grease Pit Sediment	3
TP-1	6/7 AM	Test Pit Soil	3
TP-2	6/7 AM	Test Pit Soil	3
ANALYSIS REQUESTED			
601, 602 VOC's, TPHC, PCB			
601, 602 VOC's, TPHC, PCB			
601, 602 VOC's, TPHC, PCB			
601, 602 VOC's, TPHC, PCB			
601, 602 VOC's, PAH's, TPHC, PCB			
601, 602 VOC's, PAH's, TPHC, PCB			

Relinquished by (Signature)	Date / Time	Rel'd by (Signature)	Date / Time
<u>Bruce m Beck</u>	6/7/91 1040	<u>Steve Sobstyl</u>	6/7/91 1040
Print Name		Print Name	
<u>Bruce m Beck</u>		<u>STEVE SOBSTAL</u>	
Relinquished by (Signature)	Date / Time	Rel'd by (Signature)	Date / Time
<u>Steven Sobstyl</u>	6/7/91 1110		
Print Name		Print Name	
<u>STEVEN SOBSTAL</u>			
Relinquished by (Signature)	Date / Time	Rel'd by (Signature)	Date / Time
		<u>Robert Fiebler</u>	6/7/91 1110
Print Name		Print Name	

Special Instructions/Comments _____

00001

Page 1 of

REPORT TO: Client Name

Address 404 Glen Cove Ave.

SEA CLIFF NY 11579

Phone 576-674-2827

Attn. Bruce Beck

Special Instructions/Comments

00002

Laboratory Deliverable Check List

	Check if Complete
I. Cover Page, Format, and Laboratory Certification (Include Cross Reference Table of Field I.D. # and Laboratory I.D. #)	<u> ✓ </u>
II. Chain of Custody	<u> ✓ </u>
III. Summary Sheets Listing Analytical Results Including QA Data Information	<u> ✓ </u>
IV. Laboratory Chronicle and Methodology Summary including Sampling Holding Time Check	<u> ✓ </u>
V. Initial Calibration and Continuing Calibration (Time & Date Summary)	<u> ✓ </u>
VI. Tune Summary (MS)	<u> ✓ </u>
VII. Blanks (Method, Field, Trip)	<u> ✓ </u>
VIII. Surrogate Recovery Summary	<u> ✓ </u>
IX. Non-Conformance Summary	<u> ✓ </u>

DVS
Laboratory Manager

6/26/91
Date

Laboratory Chronicle

Log In No.: 8559

Client Name: C.A. Rich Consultants
Date Received: 6/7/91
Sample ID: As per chain of custody

Organics Extraction:

1. Acids _____ 6/11/91
2. Base/Neutrals _____ 6/11/91
3. Pesticides/PCBs _____
4. Dioxin _____

Analysis:

1. Volatiles _____ 6/12/91
2. Acids _____ 6/12/91, 6/13/91
3. Base/Neutrals _____ 6/19/91, 6/20/91
4. Pesticides/PCBs _____
5. Dioxin _____

Section Supervisor
Review & Approval _____ *DK*

Inorganics:

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

Other Analysis:

TPHC: 6/11/91

Section Supervisor
Review & Approval _____ *DK*

Quality Control Supervisor
Review & Approval _____ *DK*

If fractions are re-extracted and re-analyzed include dates for both.

00004

NON-CONFORMANCE SUMMARY
(Case Narrative)

Log in: 8559

Samples were analyzed as per required protocols. Due to the nature of sample GP-1 (8559004), water extraction for PCB analysis was impossible. However, this sample was analyzed as a water for method 601/602. Due to high concentrations of targeted and non-targeted compounds Terphenyl-D14 spiking recovery falls below QC limits in sample TP-1 (8559006). Due to interferences, DBC spiking recovery falls above QC limits in samples GP-2 (8559005) and TP-2 (8559007). No other problems were encountered.

nytest environmental inc

METHODOLOGY SUMMARY

AQUEOUS METHODOLOGIES:

	<u>REF 1</u>	<u>REF 2</u>	<u>REF 3</u>
BNA, Pesticides/PCB's Extraction		3510	
AA/ICP Sample Preparation	200.7		
Furnace Sample Preparation	200.0		
Mercury Sample Preparation	245.1		
Hexavalent Chromium Sample Preparation	218.5		
Clean-Up		3610/3640	

Organochlorine Pesticides and PCB's by Gas Chromatography			608
Herbicides by Gas Chromatography			362
Purgeable Organics by GC/MS			624
Base/Neutral, Acids by GC/MS			625
2,3,7,8-TCDD by GC/MS			613/625
BTEX			602

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	3610/3640

Gas Chromatography/Mass Spectrometry:

Purgeable Organics	8240
Base/Neutral and Acid Extractables	8270
Organophosphorous Pesticides	8140
Organochlorine Pesticides and PCB's by Gas Chromatography	8080
BTEX	8020

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

nytest environmental_{inc}

METHODOLOGY SUMMARY

<u>ADDITIONAL INORGANIC PARAMETERS:</u>	<u>REFERENCE 1</u>	<u>REFERENCE 2</u>
Bromide	320.1	
Color	110.2	
Conductance	120.1	
Conductance		9050
Odor	140.1	
pH	150.1	
pH		9040
TDS	160.2	
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	410.3/405.1	
Cyanide	335.3	
Oil and Grease	413.1/413.2	
Oil and Grease		9070
Fluoride	340.2	
TKN	351.2	
NO2/NO3	353.2	
D.O.	360.2	
Petroleum Hydrocarbons (Reference 4)	418.1	
Phenol	420.2	
Phosphorous	365.1	
Silica	370.1	
Sulfate	375.2/375.4	
Sulfide	376.1	
Surfactants	425.1	
TOC	415.1	
TOX		9022

MISCELLANEOUS ANALYSIS:

Extraction Procedure Toxicity	1310
Ignitability	1010
Corrosivity	1110
Reactivity	Chapter 8.3
Toxicity Characteristic Leaching Procedure (TCLP)	(Ref. 5)

00008

nytest environmental_{inc}

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) as modified by NJDEP-BISE (for non-aqueous samples)
- (5) Federal Register Vol. 51, No. 216 Friday, 11/7/86, pp. 40643-40652

DATA REPORTING QUALIFIERS

- U Indicates compound was analyzed for but not detected. Report the minimum detection limit for the sample with the U (e.g. 10 U) based on necessary concentration dilution actions. (This is not necessarily the instrument detection limit.) The footnote should read U-Compound was analyzed for but not detected. The number is the minimum attainable detected limit for the sample.
- J Indicates an estimated value. This flag is used either when estimating a concentration for tentatively identified compounds where a 1:1 response is assumed or when the mass spectral data indicates the presence of a compound that meets the identification criteria but the result is less than the specified detection limit but greater than zero (e.g.: If limit of detection is 10 ug/l and a concentration of 3 ug/l is calculated, report as 3J.)
- B This flag is used when the analyte is found in the blank as well as a sample. It indicates possible/probable blank contamination and warns the data user to take appropriate action.
- T This flag identifies all targeted compounds that were found above the method detection limits.
- NA This flag indicates that the compounds are not applicable.
- A Aldol condensation product.
Note: Data on soil samples expressed on a dry weight basis.

All non-water samples are reported on soil forms. This includes samples whose matrix is listed as miscellaneous.

The initial and continuing calibration dates and times for the volatile fraction are listed on the BFB summary forms. The initial and continuing calibration dates and times for the semi-volatile fractions are listed on the DFTPP summary forms.

REPORT OF ANALYSIS

Log in No.: 8559

We find as follows:

Results in mg/kg (dry weight basis) except where noted:

Sample Identification

Parameter(s)

Total Petroleum
Hydrocarbons

8559001	SD-1	7880
8559002	SD-2	1520
8559003	SD-3	60300
8559004	GP-1	661 mg/l
8559005	GP-2	103000
8559006	TP-1	18600
8559007	TP-2	82500

Soil Method Blank	<10.0
Soil Method Detection Limit	10.0
Water Method Blank	<0.2 mg/l
Water Method Detection Limit	0.2 mg/l

VOLATILE ORGANICS: METHOD 601/602

Sample ID: SD-1
 Lab Sample ID No.: 8559001
 Sample Size: 5g
 % Moisture: 24

Log in No.: 8559

Parameter(s)	Cas #	MDL (ug/kg)	Found (ug/kg)
Bromodichloromethane	75-27-4	1.0	ND
Bromoform	75-25-2	1.0	ND
Bromomethane	74-83-9	1.0	ND
Carbon Tetrachloride	56-23-5	1.0	ND
Chlorobenzene	108-90-7	1.0	ND
Chloroethane	75-00-3	1.0	ND
2-Chloroethylvinyl ether	100-75-8	1.0	ND
Chloroform	67-66-3	1.0	ND
Chloromethane	74-87-3	1.0	ND
Dibromochloromethane	124-48-1	1.0	ND
1,2-Dichlorobenzene	95-50-1	1.0	84 T
1,3-Dichlorobenzene	541-73-1	1.0	30 T
1,4-Dichlorobenzene	106-46-7	1.0	36 T
1,1-Dichloroethane	75-46-7	1.0	ND
1,2-Dichloroethane	107-06-2	1.0	ND
1,1-Dichloroethene	75-35-4	1.0	ND
trans-1,2-Dichloroethene	156-60-5	1.0	ND
1,2-Dichloropropane	78-87-5	1.0	ND
cis-1,3-Dichloropropene	10061-01-5	1.0	ND
trans-1,3-Dichloropropene	10061-02-5	1.0	ND
Methylene Chloride	75-09-2	1.0	3 T
1,1,2,2-Tetrachloroethane	79-34-5	1.0	ND
Tetrachloroethene	127-18-4	1.0	ND
1,1,1-Trichloroethane	71-55-6	1.0	ND
1,1,2-Trichloroethane	79-00-5	1.0	ND
Trichloroethene	79-01-6	1.0	ND
Trichlorofluoromethane	75-69-4	1.0	ND
Vinyl Chloride	75-01-4	1.0	ND
Benzene	71-43-2	1.0	ND
Toluene	108-88-3	1.0	ND
Ethyl Benzene	100-41-4	1.0	ND
Xylenes (Total)	-	1.0	ND

1 D-T
NYTEST ENVIRONMENTAL INC.

TCL PESTICIDE/PCB ORGANICS ANALYSIS DATA SHEET

SAMPLE MATRIX: SOIL SAMPLE ID: SD-1
CONC. LEVEL: LOW LAB SAMPLE ID: 8559001
EXTRACTION DATE: 6/11/91 DIL FACTOR: 3.00
ANALYSIS DATE: 6/19/91 % MOISTURE: 24

CMPO #	CAS Number	PESTICIDE/PCB COMPOUND	UG/KG (DRY BASIS)
1	319-84-6	Alpha-BHC	NA
2	319-85-7	Beta-BHC	NA
3	319-86-8	Delta-BHC	NA
4	58-89-9	Gamma-BHC(Lindane)	NA
5	76-44-8	Heptachlor	NA
6	309-00-2	Aldrin	NA
7	1024-57-3	Heptachlor Epoxide	NA
8	959-98-8	Endosulfan I	NA
9	60-57-1	Dieldrin	NA
10	72-55-9	4,4'-DDE	NA
11	70-20-8	Endrin	NA
12	33213-65-9	Endosulfan II	NA
13	72-54-8	4,4'-DDD	NA
14	1031-07-8	Endosulfan Sulfate	NA
15	50-29-3	4,4'-DDT	NA
16	53494-70-5	Endrin Ketone	NA
17	72-43-5	Methoxychlor	NA
18	57-74-9	Chlordane	NA
19	8001-35-2	Toxaphene	NA
20	12674-11-2	Aroclor-1016	320.000 U.
21	11104-28-2	Aroclor-1221	320.000 U.
22	11141-16-5	Aroclor-1232	320.000 U.
23	53469-21-9	Aroclor-1242	320.000 U.
24	12672-29-6	Aroclor-1248	320.000 U.
25	11097-69-1	Aroclor-1254	210.000 J.
26	11096-82-5	Aroclor-1260	632.000 U.

Chromatogram

Sample Name : 8559-081

FileName : c:\2780\data\0312817.raw

Start Time : 9.00 min

End Time : 30.00 min

Scale Factor: 1

Plot Offset: 7 mV

Sample #: SD-1

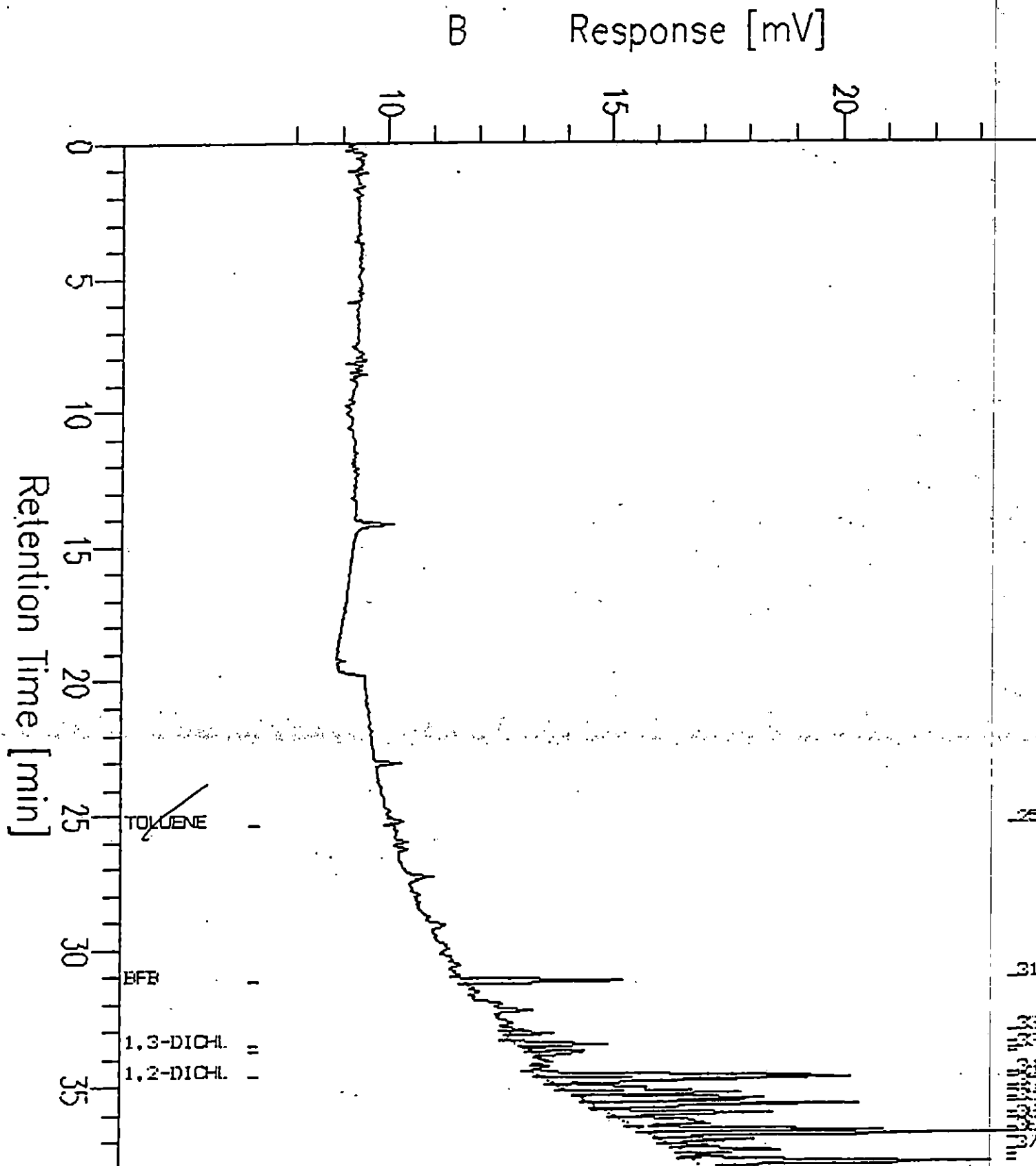
Date : 6/13/91 03:11 PM

Low Point : 7.22 mV

Plot Scale: 16 mV

Page 1 of 1

High Point : 23.65 mV



Chromatogram

Sample Name : 8559-001

FileName : c:\2700\data2\PJ12017.rav

Start Time : 0.00 min

Scale Factor: 1

End Time : 38.00 min

Plot Offset: -23 mV

Sample #: SD-1

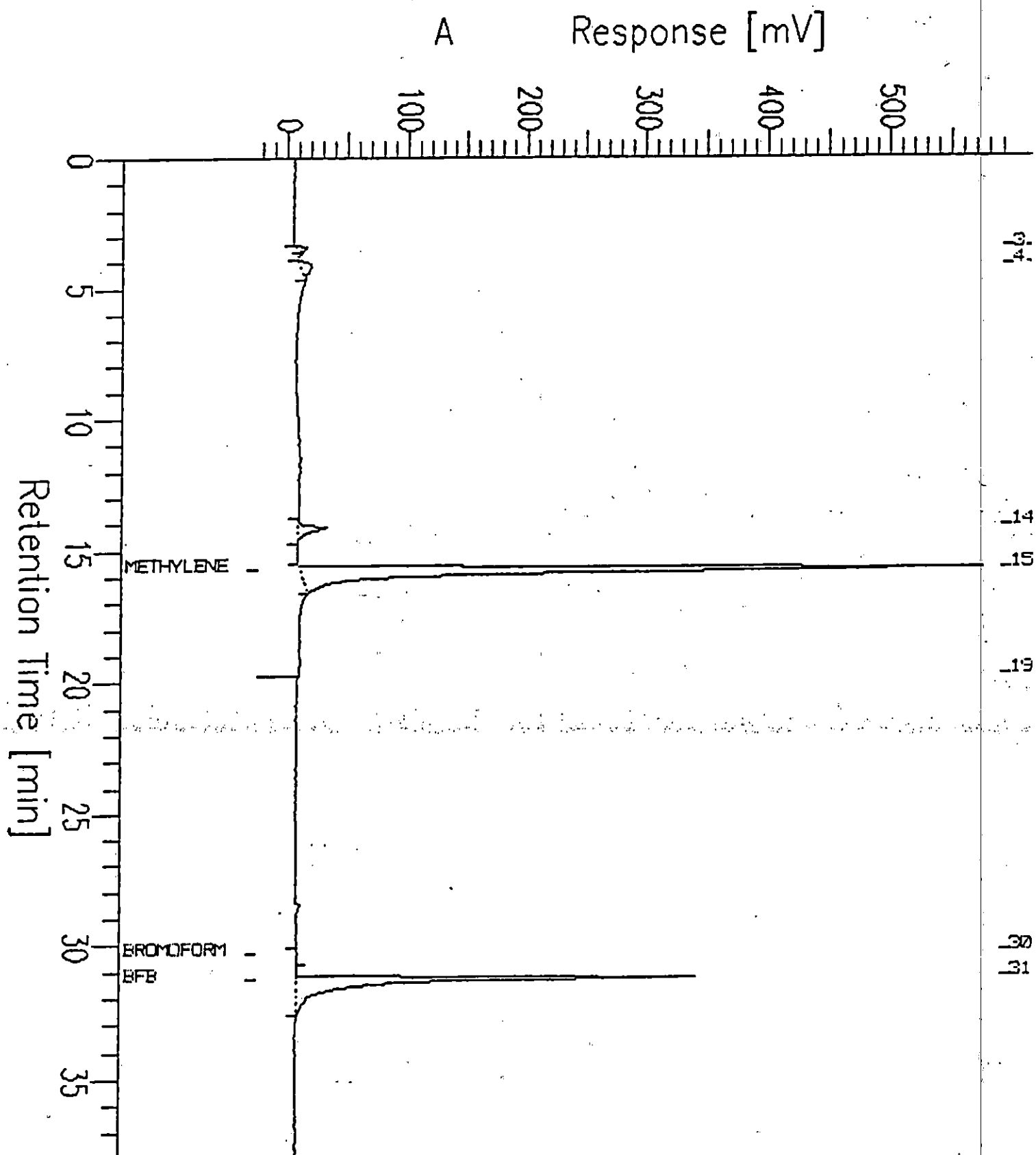
Date : 6/13/91 02:18 PM

Low Point : -23.43 mV

Plot Scale: 614 mV

Page 1 of 1

High Point : 598.34 mV



00015

5g C.A. Rich 8559-001, SD-1

* RUN # 721 JUN 13, 1991 23:59:59

START

Methylene chloride
7.433

BFB
25.010

TIMETABLE STOP

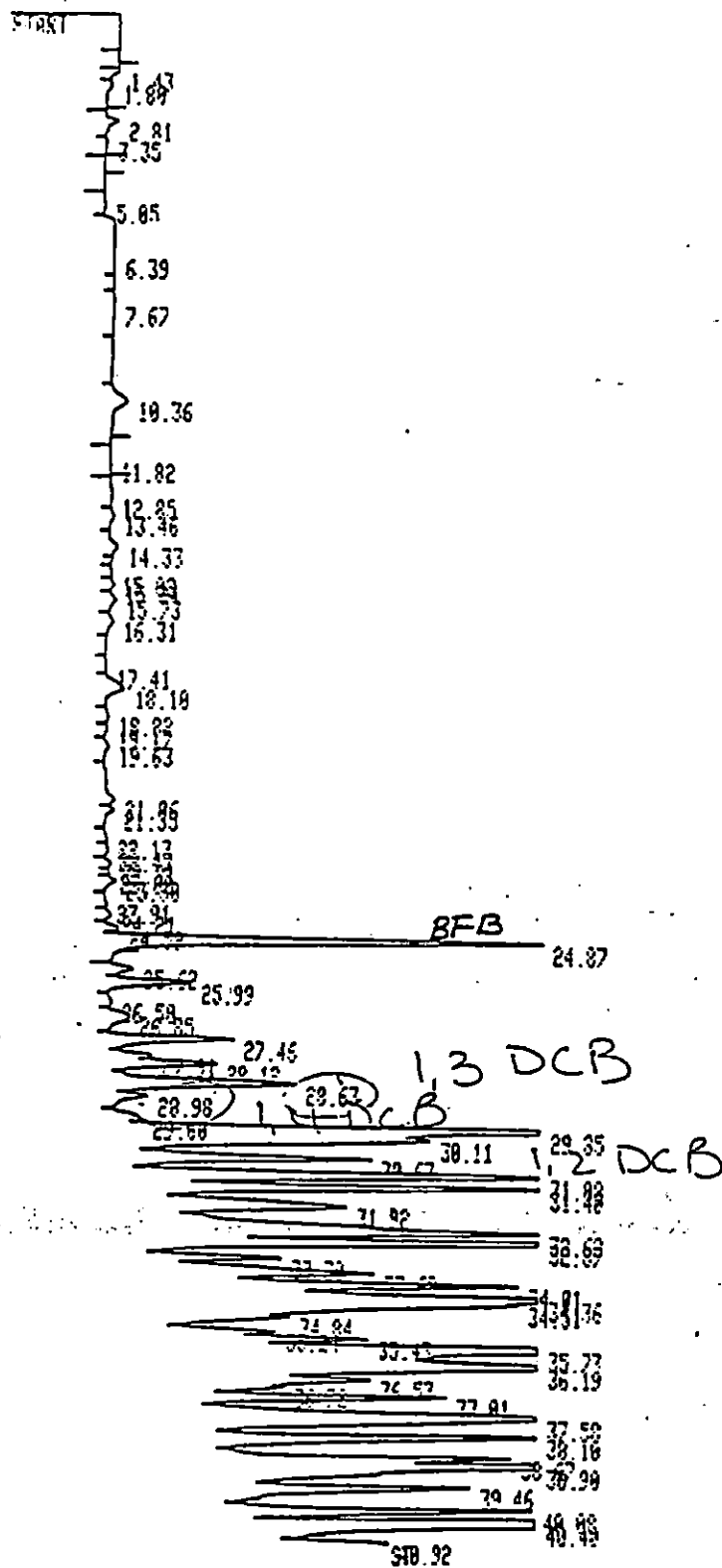
RUN# 721

JUN 13, 1991 23:59:59

AREA%

RT	AREA	TYPE	WIDTH	AREA%
*3.450	3491278	FB	.142	51.60696
25.010	3273853	FB	.225	48.39304

00016



RUN # 244

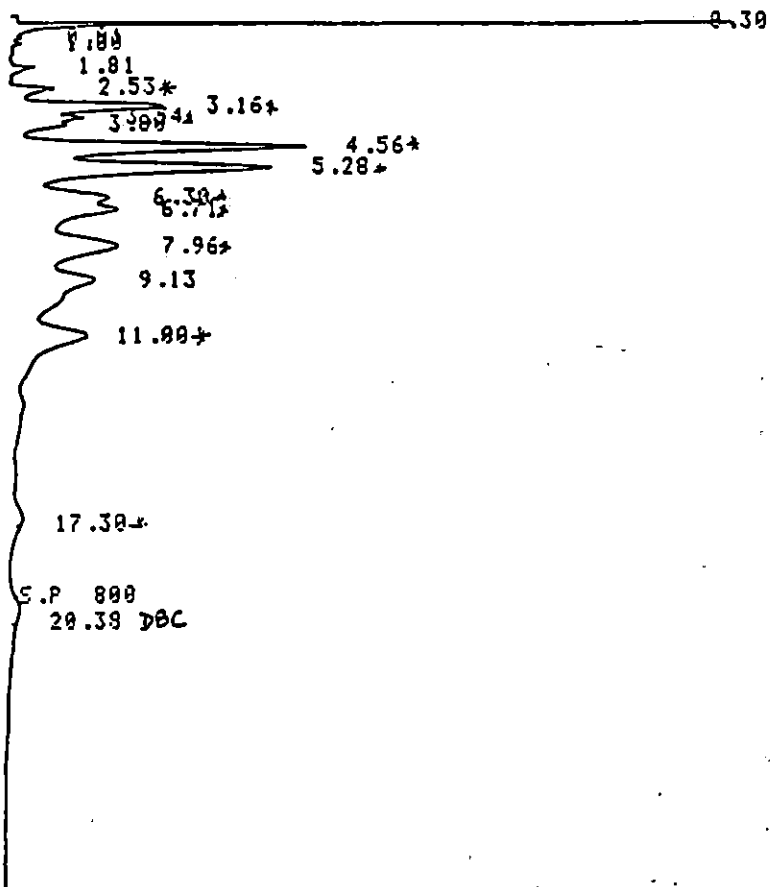
JUN/13/91 23:56:39

AREA:

RT	AREA	TYPE	AR/HT	AREA2
1.43	7354	D BP	0.169	0.040
2.81	21292	BY	0.214	0.116
6.39	100000	FV	1.261	0.590
7.67	63977	VV	0.873	0.349
19.36	67148	VB	0.496	0.367

00017

1.3
 300 C.A. RICH 8554-001 SD-1 6/7/91 6/11/91 303/20-1
 CH. 1 C.S 5.00 ATT 1 OFFS 5 06/19/91 13:59



TEMP: 150 200 C
 4%SE30/6%SP2401
 6FT/2MM ID ECD
 TRACOR 222 A 1
 METH'S 608 /5096 /8000 /8150

D-2000 06/19/91 13:59

SAMPLE: TAG: 230 CH: 1

FILE: 1 CALC-METHOD: AREA% TABLE: 0 CONC: AREA

NO.	RT	AREA	HEIGHT	RRT	BC	NAME
1	0.30	6706	1532	0.30	BB	
4	1.81	472	51	1.81	BB	
5	2.53	1305	90	2.53	BU	
6	3.16	6066	318	3.16	UU	
7	3.54	3008	142	3.54	UU	
9	4.56	12481	607	4.56	BU	
10	5.28	15033	523	5.28	UU	
11	6.30	3330	138	6.30	TBU	
12	6.71	3815	152	6.71	TUU	
13	7.96	5082	143	7.96	TUB	
14	9.13	2162	80	9.13	TBB	
15	11.00	3905	110	11.00	BB	
16	17.30	435	15	17.30	BB	
17	20.38	578	14	20.38	BB	

TOTAL 64458 3915

PEAK REJ: 299

RAW DATA STORAGE NO. 20

00018

1:3

3rd GA. RICA 8559-001 SD-1 6/7/91 6/11/91 305/20-1

RECONSTRUCT SCREEN DUMP
Data Acquisition

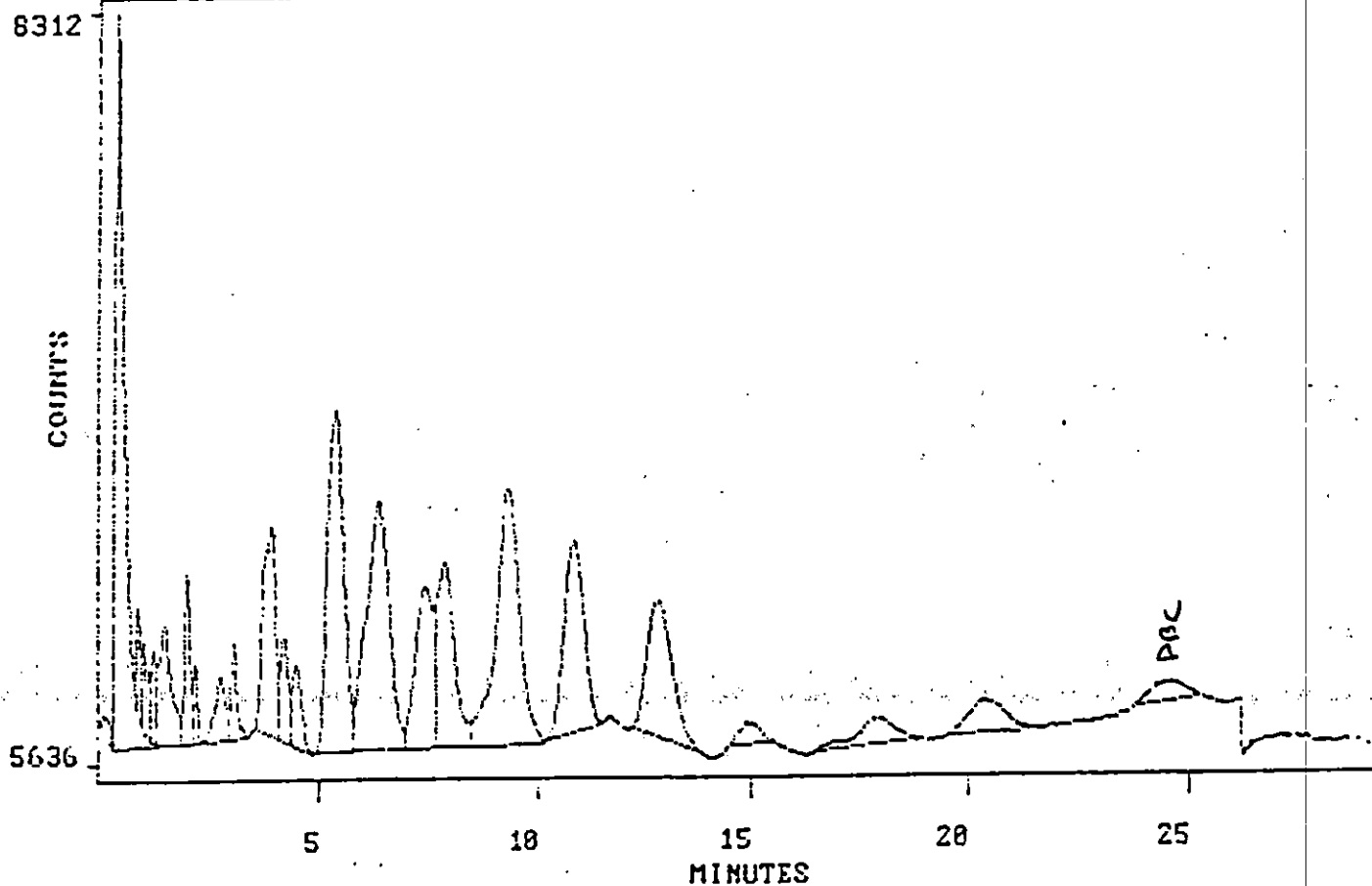
Time:16:49:46 Date:WED 19 JUN 91

Time:16:14:15 Date:WED 19 JUN 91
Method:A2

FILE: 1:C3380001

SCALE: 1

RANGE (MIN.): 0.02 TO 30.00



00019

VOLATILE ORGANICS: METHOD 601/602

Sample ID: SD-2
 Lab Sample ID No.: 8559002
 Sample Size: 5g
 % Moisture: 22

Log in No.: 8559

Parameter(s)	Cas #	MDL (ug/kg)	Found (ug/kg)
Bromodichloromethane	75-27-4	1.0	ND
Bromoform	75-25-2	1.0	ND
Bromomethane	74-83-9	1.0	ND
Carbon Tetrachloride	56-23-5	1.0	ND
Chlorobenzene	108-90-7	1.0	ND
Chloroethane	75-00-3	1.0	ND
2-Chloroethylvinyl ether	100-75-8	1.0	ND
Chloroform	67-66-3	1.0	ND
Chloromethane	74-87-3	1.0	ND
Dibromochloromethane	124-48-1	1.0	ND
1,2-Dichlorobenzene	95-50-1	1.0	ND
1,3-Dichlorobenzene	541-73-1	1.0	ND
1,4-Dichlorobenzene	106-46-7	1.0	ND
1,1-Dichloroethane	75-46-7	1.0	ND
1,2-Dichloroethane	107-06-2	1.0	ND
1,1-Dichloroethene	75-35-4	1.0	ND
trans-1,2-Dichloroethene	156-60-5	1.0	ND
1,2-Dichloropropane	78-87-5	1.0	ND
cis-1,3-Dichloropropene	10061-01-5	1.0	ND
trans-1,3-Dichloropropene	10061-02-5	1.0	ND
Methylene Chloride	75-09-2	1.0	23 T
1,1,2,2-Tetrachloroethane	79-34-5	1.0	ND
Tetrachloroethene	127-18-4	1.0	ND
1,1,1-Trichloroethane	71-55-6	1.0	ND
1,1,2-Trichloroethane	79-00-5	1.0	ND
Trichloroethene	79-01-6	1.0	ND
Trichlorofluoromethane	75-69-4	1.0	ND
Vinyl Chloride	75-01-4	1.0	ND
Benzene	71-43-2	1.0	ND
Toluene	108-88-3	1.0	ND
Ethyl Benzene	100-41-4	1.0	ND
Xylenes (Total)	-	1.0	ND

1 D-T
NYTEST ENVIRONMENTAL INC.

TCL PESTICIDE/PCB ORGANICS ANALYSIS DATA SHEET

SAMPLE MATRIX: SOIL SAMPLE ID: SD-2
CONC. LEVEL: LOW LAB SAMPLE ID: 8559002
EXTRACTION DATE: 6/11/91 DIL FACTOR: 3.00
ANALYSIS DATE: 6/19/91 % MOISTURE: 22

		UG/KG (DRY BASIS)	
CMPO #	CAS Number	PESTICIDE/PCB COMPOUND	
1	319-84-6	Alpha-BHC	NA
2	319-85-7	Beta-BHC	NA
3	319-86-8	Delta-BHC	NA
4	58-89-9	Gamma-BHC(Lindane)	NA
5	76-44-8	Heptachlor	NA
6	309-00-2	Aldrin	NA
7	1024-57-3	Heptachlor Epoxide	NA
8	959-98-8	Endosulfan I	NA
9	60-57-1	Dieldrin	NA
10	72-55-9	4,4'-DDE	NA
11	70-20-8	Endrin	NA
12	33213-65-9	Endosulfan II	NA
13	72-54-8	4,4-DDD	NA
14	1031-07-8	Endosulfan Sulfate	NA
15	50-29-3	4,4'-DDT	NA
16	53494-70-5	Endrin Ketone	NA
17	72-43-5	Methoxychlor	NA
18	57-74-9	Chlordane	NA
19	8001-35-2	Toxaphene	NA
20	12674-11-2	Aroclor-1016	310.000 U.
21	11104-28-2	Aroclor-1221	310.000 U.
22	11141-16-5	Aroclor-1232	310.000 U.
23	53469-21-9	Aroclor-1242	310.000 U.
24	12672-29-6	Aroclor-1248	310.000 U.
25	11097-69-1	Aroclor-1254	615.000 U.
26	11096-82-5	Aroclor-1260	615.000 U.

Chromatogram

Sample Name : 8559-882

FileName : c:\2788\data2\PJ11014.raw

Start Time : 0.00 min

Scale Factor: 1

End Time : 38.88 min

Plot Offset: -139 mV

Sample #: SD-2

Date : 6/12/91 01:19 AM

Low Point : -138.53 mV

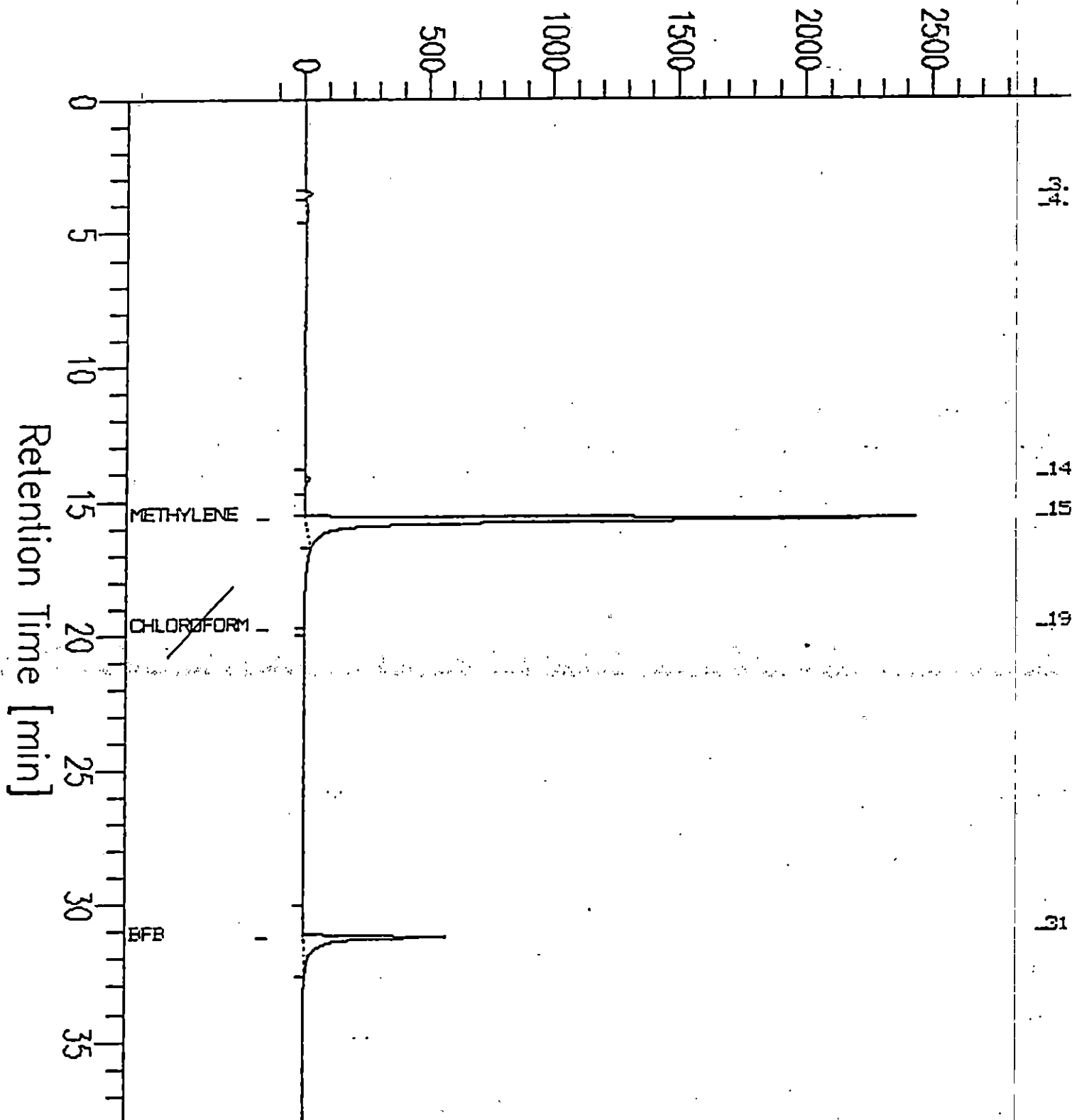
Plot Scale: 3855 mV

Page 1 of 1

High Point : 2916.12 mV

CA. Rich 6/7/91

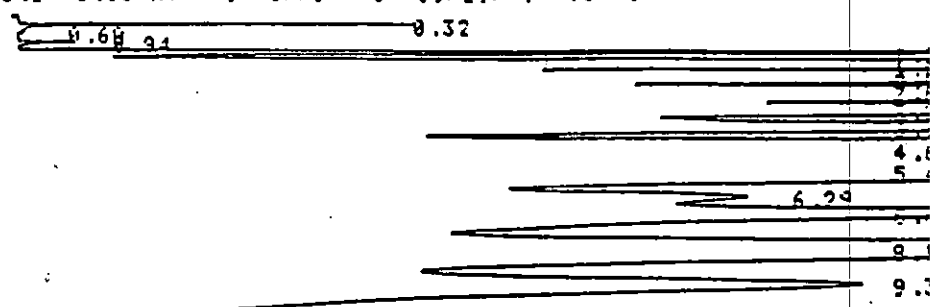
A Response [mV]



00022

2nd CA RICH 8559-007 TP-2 6/7/91 6/11/91 303/20-1

CH. 1 C.S 5.00 ATT 1 OFFS 5 06/20/91 15:45



TEMP: ISO 200 C
4%SE30/6%SP2401
6FT:2MM ID ECD
TRACOR 222 A 1
METH'S 608 /5098 /8080 /8150

D-2000

06/20/91 15:45

SAMPLE: TAG: 244 CH: 1

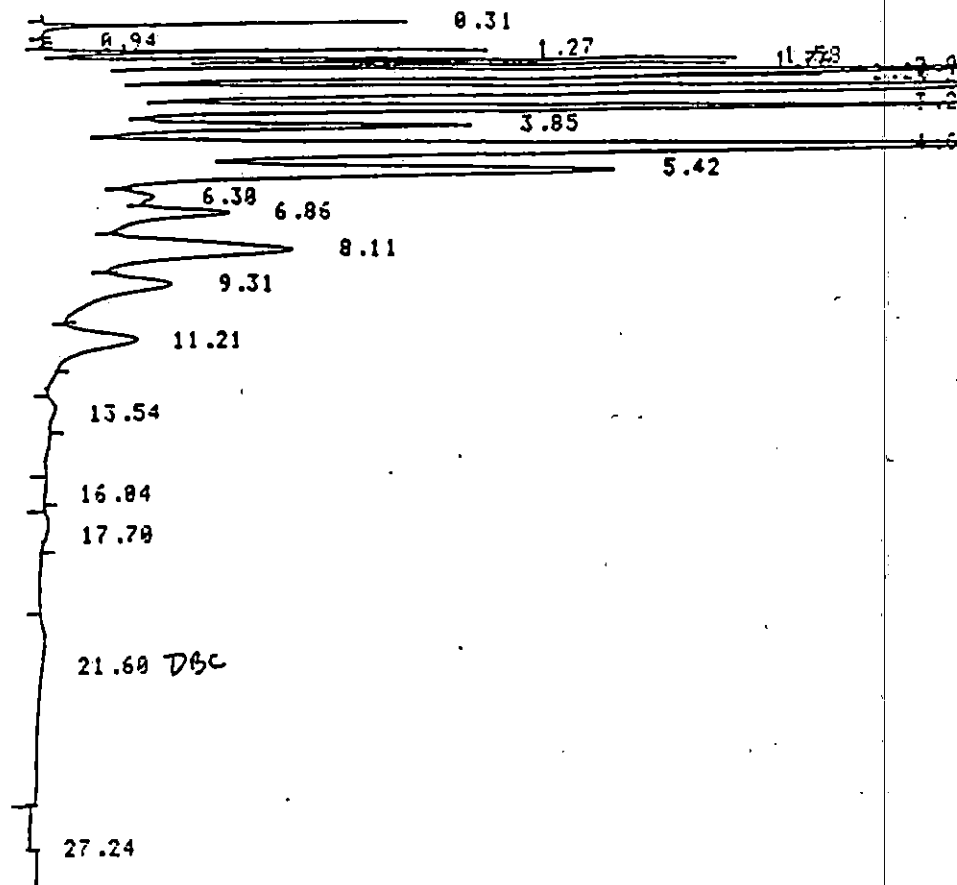
FILE: 1 CALC-METHOD: AREA% TABLE: A CONC: AREA

NO.	RT	AREA	HEIGHT	RRT	BC	NAME
1	0.32	2424	853	0.32	RB	
3	0.94	563	124	0.94	RB	
4	1.28	21144	3256	1.28	RU	
5	1.60	32847	3676	1.60	UU	
6	1.77	33793	3700	1.77	UU	
7	2.01	56272	4183	2.01	UU	
8	2.20	47372	3850	2.20	UU	
9	2.62	119529	4242	2.62	UU	
10	3.29	94691	3952	3.29	UU	
11	3.88	81711	3385	3.88	UU	
12	4.68	164058	4039	4.68	UU	
13	5.45	143857	3624	5.45	UU	
14	6.29	45644	1537	6.29	UU	
15	6.87	95354	2407	6.87	UU	
16	8.14	147434	2785	8.14	UU	
17	9.32	93320	1751	9.32	UU	
18	11.21	65533	1400	11.21	UB	
19	13.56	3392	99	13.56	BB	
20	17.62	4136	78	17.62	BB	
21	21.61	4418	57	21.61	BB	
TOTAL		1253492	48998			

PENK PFI : 299

00072

2nd CA RICH 8559-007 TP-2 6/7/91 6/11/91 30,120-1
CH. 1 C.S. 5.00 ATT 1 OFFS 5 06/20/91 16:19



TEMP: ISO 200 C
4%SE30/6%SP2401
6FT/2MM ID ECD
TRACOR 222 A 1
METH'S 608 /5098 /8088 /8150

D-2000

06/20/91 16:19

SAMPLE: TAG: 245 CH: 1

FILE: 1 CALC-METHOD: AREA TABLE: A CONC: AREA

NO.	RT	AREA	HEIGHT	RRT	BC	NAME
1	0.31	2831	800	0.31	BB	
3	1.27	4885	977	1.27	BU	
4	1.58	9294	1504	1.58	UU	
5	1.76	9616	1484	1.76	UU	
6	2.00	38013	2821	2.00	UU	
7	2.20	3685	648	2.20	TBB	
8	2.60	51346	3022	2.60	UU	
9	3.26	29882	1978	3.26	UU	
10	3.85	16366	933	3.85	UU	
11	4.65	57184	2181	4.65	UU	
12	5.42	35266	1226	5.42	UU	
13	6.30	7091	227	6.30	UU	
14	6.86	13639	389	6.86	UU	
15	8.11	23016	522	8.11	UU	
16	9.31	11198	247	9.31	UR	
17	11.21	6094	167	11.21	RR	
18	13.54	444	16	13.54	RR	
19	17.70	892	18	17.70	BB	
21	21.60	4844	16	21.60	BB	
22	27.24	775	15	27.24	BB	

TOTAL 327001 19191
PEAK REJ : 299

RAW DATA STORAGE NO. 43

00073

TOTALS

100.000

435232

1:2000

2nd CA RICH 8559-007 TP-2 6/7/91 6/11/91 305/20-1

RECONSTRUCT SCREEN DUMP
Data Acquisition

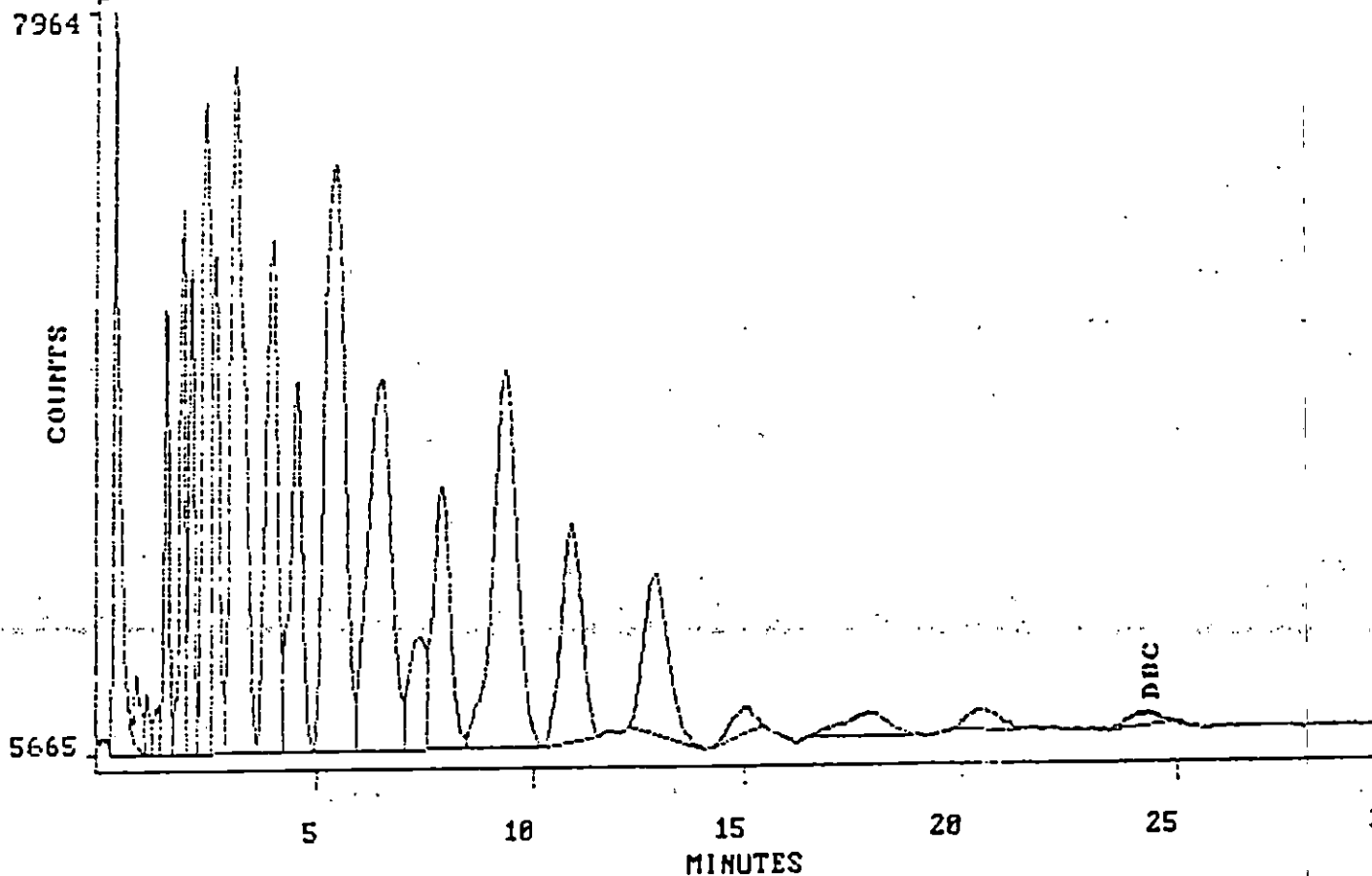
Time:17:39:10 Date:THU 20 JUN 91

Time:17:06:03 Date:THU 20 JUN 91
Method:A2

FILE: 1:M8559807

SCALE: 1

RANGE (MIN.): 0.02 TO 30.00



00079

VOLATILE ORGANICS: METHOD 601/602

Sample ID: VBLK1
 Lab Sample ID No.: VBLK1
 Sample Size: 5ml

Log in No.: 8559

Parameter(s)	Cas #	MDL (ug/kg)	Found (ug/kg)
Bromodichloromethane	75-27-4	1.0	ND
Bromoform	75-25-2	1.0	ND
Bromomethane	74-83-9	1.0	ND
Carbon Tetrachloride	56-23-5	1.0	ND
Chlorobenzene	108-90-7	1.0	ND
Chloroethane	75-00-3	1.0	ND
2-Chloroethylvinyl ether	100-75-8	1.0	ND
Chloroform	67-66-3	1.0	ND
Chloromethane	74-87-3	1.0	ND
Dibromochloromethane	124-48-1	1.0	ND
1,2-Dichlorobenzene	95-50-1	1.0	ND
1,3-Dichlorobenzene	541-73-1	1.0	ND
1,4-Dichlorobenzene	106-46-7	1.0	ND
1,1-Dichloroethane	75-46-7	1.0	ND
1,2-Dichloroethane	107-06-2	1.0	ND
1,1-Dichloroethene	75-35-4	1.0	ND
trans-1,2-Dichloroethene	156-60-5	1.0	ND
1,2-Dichloropropane	78-87-5	1.0	ND
cis-1,3-Dichloropropene	10061-01-5	1.0	ND
trans-1,3-Dichloropropene	10061-02-5	1.0	ND
Methylene Chloride	75-09-2	1.0	2 T
1,1,2,2-Tetrachloroethane	79-34-5	1.0	ND
Tetrachloroethene	127-18-4	1.0	ND
1,1,1-Trichloroethane	71-55-6	1.0	ND
1,1,2-Trichloroethane	79-00-5	1.0	ND
Trichloroethene	79-01-6	1.0	ND
Trichlorofluoromethane	75-69-4	1.0	ND
Vinyl Chloride	75-01-4	1.0	ND
Benzene	71-43-2	1.0	ND
Toluene	108-88-3	1.0	ND
Ethyl Benzene	100-41-4	1.0	ND
Xylenes (Total)	-	1.0	ND

00075

VOLATILE ORGANICS: METHOD 601/602

Sample ID: VBLK2
 Lab Sample ID No.: VBLK2
 Sample Size: 5g

Log in No.: 8559

Parameter(s)	Cas #	MDL (ug/kg)	Found (ug/kg)
Bromodichloromethane	75-27-4	1.0	ND
Bromoform	75-25-2	1.0	ND
Bromomethane	74-83-9	1.0	ND
Carbon Tetrachloride	56-23-5	1.0	ND
Chlorobenzene	108-90-7	1.0	ND
Chloroethane	75-00-3	1.0	ND
2-Chloroethylvinyl ether	100-75-8	1.0	ND
Chloroform	67-66-3	1.0	ND
Chloromethane	74-87-3	1.0	ND
Dibromochloromethane	124-48-1	1.0	ND
1,2-Dichlorobenzene	95-50-1	1.0	ND
1,3-Dichlorobenzene	541-73-1	1.0	ND
1,4-Dichlorobenzene	106-46-7	1.0	ND
1,1-Dichloroethane	75-46-7	1.0	ND
1,2-Dichloroethane	107-06-2	1.0	ND
1,1-Dichloroethene	75-35-4	1.0	ND
trans-1,2-Dichloroethene	156-60-5	1.0	ND
1,2-Dichloropropane	78-87-5	1.0	ND
cis-1,3-Dichloropropene	10061-01-5	1.0	ND
trans-1,3-Dichloropropene	10061-02-5	1.0	ND
Methylene Chloride	75-09-2	1.0	ND
1,1,2,2-Tetrachloroethane	79-34-5	1.0	ND
Tetrachloroethene	127-18-4	1.0	ND
1,1,1-Trichloroethane	71-55-6	1.0	ND
1,1,2-Trichloroethane	79-00-5	1.0	ND
Trichloroethene	79-01-6	1.0	ND
Trichlorofluoromethane	75-69-4	1.0	ND
Vinyl Chloride	75-01-4	1.0	ND
Benzene	71-43-2	1.0	ND
Toluene	108-88-3	1.0	ND
Ethyl Benzene	100-41-4	1.0	ND
Xylenes (Total)	-	1.0	ND

00076

SEMI-VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE MATRIX: SOIL
 CONC. LEVEL: LOW
 EXTRACTION DATE: 6/11/91
 ANALYSIS DATE: 6/12/91

SAMPLE
 LAB
 DIL FACT
 % MOIST

CHPD # CAS Number BASE NEUTRAL COMPOUNDS

UG/KG
 (DRY BASIS)

CHPD # CAS Number BASE NEUTRAL/PAH COMPOUND

1	111-44-4	bis(2-Chloroethyl)ether	NA	42	91-20-3	Naphthalene
2	541-73-1	1,3-Dichlorobenzene	NA	43	208-96-8	Acenaphthylene
3	106-46-7	1,4-Dichlorobenzene	NA	44	83-32-9	Acenaphthene
4	95-50-1	1,2-Dichlorobenzene	NA	45	86-73-7	Fluorene
5	39638-32-9	bis(2-chloroisopropyl)ether	NA	46	85-01-8	Phenanthrene
6	621-64-7	N-Nitroso-Di-n-Propylamine	NA	47	120-12-7	Anthracene
7	67-72-1	Hexachloroethane	NA	48	206-44-0	Fluoranthene
8	98-95-3	Nitrobenzene	NA	49	129-00-0	Pyrene
9	78-59-1	Isophorone	NA	50	56-55-3	Benzo(a)Anthracene
10	111-91-1	bis(2-chloroethoxy)Methane	NA	51	218-01-9	Chrysene
11	120-82-1	1,2,4-Trichlorobenzene	NA	52	205-99-2	Benzo(b)Fluoranthene
12	106-47-8	4-Chloroaniline	NA	53	207-08-9	Benzo(k)Fluoranthene
13	87-68-3	Hexachlorobutadiene	NA	54	50-32-8	Benzo(a)Pyrene
14	91-57-6	2-Methylnaphthalene	NA	55	193-39-5	Indeno(1,2,3-cd)Pyrene
15	77-47-4	Hexachlorocyclopentadiene	NA	56	53-70-3	Dibenz(a,h)Anthracene
16	91-58-7	2-Chloronaphthalene	NA	57	191-24-2	Benzo(g,h,i)Perylene
17	88-74-4	2-Nitroaniline	NA	58		
18	131-11-3	Dimethyl Phthalate	NA	59		
19	99-09-2	3-Nitroaniline	NA	60		
20	132-64-9	Dibenzofuran	NA			ACID COMPOUNDS
21	121-14-2	2,4-Dinitrotoluene	NA	61	108-95-2	Phenol
22	606-20-2	2,6-Dinitrotoluene	NA	62	95-57-8	2-Chlorophenol
23	84-66-2	Diethylphthalate	NA	63	100-51-6	Benzyl Alcohol
24	7005-72-3	4-Chlorophenyl-phenylether	NA	64	95-48-7	2-Methylphenol
25	100-01-6	4-Nitroaniline	NA	65	106-44-5	4-Methylphenol
26	86-30-6	N-Nitrosodiphenylamine	NA	66	88-75-5	2-Nitrophenol
27	101-55-3	4-Bromophenyl-phenylether	NA	67	105-67-9	2,4-Dimethylphenol
28	118-74-1	Hexachlorobenzene	NA	68	65-85-0	Benzoic Acid
29	84-74-2	Di-n-Butylphthalate	NA	69	120-83-2	2,4-Dichlorophenol
30	85-68-7	Butylbenzylphthalate	NA	70	59-50-7	4-Chloro-3-Methylphenol
31	91-94-1	3,3'-Dichlorobenzidine	NA	71	88-6-2	2,4,6-Trichlorophenol
32	117-81-7	bis(2-Ethylhexyl)Phthalate	NA	72	95-95-4	2,4,5-Trichlorophenol
33	11784-0	Di-n-Octyl Phthalate	NA	73	51-28-5	2,4-Dinitrophenol
34	62-75-9	N-Nitrosodimethylamine	NA	74	100-02-7	4-Nitrophenol
35	62-53-3	Aniline	NA	75	534-52-1	4,6-Dinitro-2-Methylphenol
36	92-87-5	Benzidine	NA	76	87-86-5	Pentachlorophenol
37		Dioxin (Screen)	NA	77		
38				78		
39				79		
40				80		
41						

1 D-T

NYTEST ENVIRONMENTAL INC.

TCL PESTICIDE/PCB ORGANICS ANALYSIS DATA SHEET

SAMPLE MATRIX: SOIL SAMPLE ID: PBLK1
 CONC. LEVEL: LOW LAB SAMPLE ID: PBLK1
 EXTRACTION DATE: 6/11/91 DIL FACTOR: 1.00
 ANALYSIS DATE: 6/19/91 % MOISTURE: NA

CMPD #	CAS Number	PESTICIDE/PCB COMPOUND	UG/KG
			(DRY BASIS)
1	319-84-6	Alpha-BHC	NA
2	319-85-7	Beta-BHC	NA
3	319-86-8	Delta-BHC	NA
4	58-89-9	Gamma-BHC(Lindane)	NA
5	76-44-8	Heptachlor	NA
6	309-00-2	Aldrin	NA
7	1024-57-3	Heptachlor Epoxide	NA
8	959-98-8	Endosulfan I	NA
9	60-57-1	Dieldrin	NA
10	72-55-9	4,4'-DDE	NA
11	70-20-8	Endrin	NA
12	33213-65-9	Endosulfan II	NA
13	72-54-8	4,4'-DDD	NA
14	1031-07-8	Endosulfan Sulfate	NA
15	50-29-3	4,4'-DDT	NA
16	53494-70-5	Endrin Ketone	NA
17	72-43-5	Methoxychlor	NA
18	57-74-9	Chlordane	NA
19	8001-35-2	Toxaphene	NA
20	12674-11-2	Aroclor-1016	80.000 U.
21	11104-28-2	Aroclor-1221	80.000 U.
22	11141-16-5	Aroclor-1232	80.000 U.
23	53469-21-9	Aroclor-1242	80.000 U.
24	12672-29-6	Aroclor-1248	80.000 U.
25	11097-69-1	Aroclor-1254	160.000 U.
26	11096-82-5	Aroclor-1260	160.000 U.

00078

PAGE #: 1

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|<<<<<<<<<< BASE NEUTRAL >>>>>>>>|<<<<<<<<<< ACID >>>>>>>>>>
```

D = DILUTED OUT

	LIMITS
NITROBENZENE-D5	5 - 185
FLUOROBIPHENYL	10 - 125
TERPHENYL-D14	10 - 145
Z-FLUOROPHENOL	10 - 121
PHENOL	20 - 113
2,4,6-TRIBROMOPHENOL	5 - 225

00079

2 D
 NYTEST ENVIRONMENTAL INC.
 PESTICIDE SURROGATE RECOVERY

LOG IN #: 8559

PAGE #: 1

MATRIX: SOIL

[<<<PESTICIDE>>>]

	SAMPLE #	DBC	PEST OUT
	=====	=====	=====
01	PBLK1	49 OK	0
02	SD-1	41 OK	0
03	SD-2	42 OK	0
04	SD-3	235 OK	0
05	GP-1	244 OK	0
06	GP-2	714 *	1
07	TP-1	154 OK	0
08	TP-2	25000 *	1
09			
10			
11			
12			
13			
14			
15			
16			
17			
18			
19			
20			
21			
22			
23			
24			
25			
26			
27			
28			
29			
30			

LIMITS

DBC

5 - 285

* SURROGATES OUTSIDE QC LIMITS

00080

3 A
NYTEST ENVIRONMENTAL INC.

VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

LOGIN #: 8559 MATRIX: SOIL PAGE: 1

FRACTION	COMPOUND	CONC. SPIKE ADDED (ug)	SAMPLE RESULT	CONC. MS	% RECOVERY	CONC. MSD	% RECOVERY	RPD	QC LIMITS	
									RPD	RECOVERY
SAMPLE #	1,1-DICHLOROETHENE	50	0.00	36.00	72.00 OK	34.00	68.00 OK	5.71 OK	16	15 -160
	TRICHLOROETHENE	50	0.00	37.00	74.00 OK	37.00	74.00 OK	0.00 OK	40	50 -115
SD-2	BENZENE	50	0.00	30.00	60.00 OK	26.00	52.00 *	14.29 OK	18	60 -125
NYTEST #	TOLUENE	50	0.00	30.00	60.00 OK	29.00	58.00 OK	3.39 OK	17	25 -175
8559002	CHLOROBENZENE	50	0.00	34.00	68.00 OK	32.00	64.00 OK	6.06 OK	15	45 -135

OF % MS/MSD 1 OF 10
VOA OUT: —

OF RPD 0 OF 5
VOA OUT: —

00081

NYTEST ENVIRONMENTAL INC.

SEMI-VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

LOGIN #: 8559

MATRIX: SOIL

PAGE: 1

FRACTION	COMPOUND	CONC. SPIKE ADDED (ug)	SAMPLE RESULT	CONC. MS	% RECOVERY	CONC. MSD	% RECOVERY	RPD	QC LIMITS	
									RPD	RECOVERY
SAMPLE # B-7 NYTEST # 8474004	1,4-DICHLOROBENZENE	100	0.00	71.73	71.73 OK	66.49	66.49 OK	7.58 OK	22	10 -145
	N-NITROSO-DI-N-PROPYLAMINE	100	0.00	72.74	72.74 OK	69.25	69.25 OK	4.92 OK	16	10 -135
	1,2,4-TRICHLOROBENZENE	100	0.00	71.82	71.82 OK	66.99	66.99 OK	6.96 OK	21	10 -155
	ACENAPHTHENE	100	0.86	79.29	78.43 OK	81.28	80.42 OK	2.51 OK	32	10 -180
	2,4-DINITROTOLUENE	100	0.00	72.92	72.92 OK	67.61	67.61 OK	7.56 OK	37	25 -125
	PYRENE	100	13.06	87.68	74.62 OK	226.46	213.40 OK	96.37 *	36	10 -225
SAMPLE # NYTEST #	PHENOL								21	10 -165
	2-CHLOROPHENOL								23	10 -165
	4-CHLORO-3-METHYLPHENOL								24	10 -165
	4-NITROPHENOL								45	10 -185
	PENTACHLOROPHENOL								23	10 -155

OF % MS/MSD 0 OF 12

BN OUT: _____

OF RPD 1 OF 6

BN OUT: _____

00082

30

NYTEST ENVIRONMENTAL INC.

PESTICIDE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

LOGIN #:

8559

MATRIX: SOIL

PAGE:

1

FRACTION	COMPOUND	CONC. SPIKE ADDED (PPM)	SAMPLE RESULT	CONC. MS PPM	% RECOVERY	CONC. MS PPM	% RECOVERY	RPD
SAMPLE # 3859 NYTEST # N8540060	PCB 1016	50	0.00	84.50	169.00 OK	69.50	139.00 OK	19.48 OK
	PCB 1260	50	0.00	152.00	304.00 *	125.00	250.00 *	19.49 OK

OF % MS/MSD
PEST OUT:

2 OF 12

OF RPD
PEST OUT:

0 OF 6

00082

DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Contractor: NYTEST ENVIRONMENTAL INC.

Instrument ID: H

Date: 5/30/91

Time: 13:32:00

Lab ID: H1629

Data Release Authorized By: *jk*

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 60.0% of mass 198	54.5
68	Less than 2.0% of mass 69	0.0 (0.0)*
69	Mass 69 relative abundance	69.
70	Less than 2.0% of mass 69	0.0 (0.0)*
127	40.0 - 60.0% of mass 198	45.3
197	Less than 1.0% of mass 198	0.0
198	Base peak, 100% relative abundance	100.
199	5.0 - 9.0% of mass 198	7.0
275	10.0 - 30.0% of mass 198	27.5
365	Greater than 1.00% of mass 198	3.90
441	Present, but less than mass 443	14.3
442	Greater than 40.0% of mass 198	92.6
443	17.0 - 23.0% of mass 442	18.4 (19.8)**

* Value in parenthesis is % mass 69. ** Value in parenthesis is % mass 442.

THIS PERFORMANCE TUNE APPLIES TO THE FOLLOWING SAMPLES, BLANKS AND STANDARDS.

SAMPLE ID	LAB ID	DATE OF ANALYSIS	TIME OF ANALYSIS
PERFORMANCE STANDARD	H1629	5/30/91	13:32
SSTD050	H1631	5/30/91	14:54
SSTD020	H1632	5/30/91	15:58
SSTD080	H1633	5/30/91	16:54
SSTD120	H1634	5/30/91	17:55
SSTD160	H1635	5/30/91	18:50

00084

DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Contractor: NYTEST ENVIRONMENTAL INC.

Instrument ID: H

Date: 6/12/91

Time: 07:00

Lab ID: H1778

Data Release Authorized By: *qsh*

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 60.0% of mass 198	57.5
68	Less than 2.0% of mass 69	0.0 (0.0)*
69	Mass 69 relative abundance	61.
70	Less than 2.0% of mass 69	0.2 (0.4)*
127	40.0 - 60.0% of mass 198	44.7
197	Less than 1.0% of mass 198	0.0
198	Base peak, 100% relative abundance	100.
199	5.0 - 9.0% of mass 198	6.2
275	10.0 - 30.0% of mass 198	25.9
365	Greater than 1.00% of mass 198	3.65
441	Present, but less than mass 443	12.1
442	Greater than 40.0% of mass 198	75.5
443	17.0 - 23.0% of mass 442	14.1 (18.7)**

* Value in parenthesis is % mass 69. ** Value in parenthesis is % mass 442.

THIS PERFORMANCE TUNE APPLIES TO THE FOLLOWING SAMPLES, BLANKS AND STANDARDS.

SAMPLE ID	LAB ID	DATE OF ANALYSIS	TIME OF ANALYSIS
PERFORMANCE STANDARD	H1778	6/12/91	7:00
SSTD050	H1781	6/12/91	8:39
SBLKH7	H1787	6/12/91	17:31
TP-1	8559006	6/12/91	18:30

00085

DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Contractor: NYTEST ENVIRONMENTAL INC.

Instrument ID: H

Date: 6/13/91

Time: 8:30

Lab ID: H1792

Data Release Authorized By: *guy*

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 60.0% of mass 198	55.9
68	Less than 2.0% of mass 69	0.0 (0.0)*
69	Mass 69 relative abundance	60.
70	Less than 2.0% of mass 69	.3 (.4)*
127	40.0 - 60.0% of mass 198	41.1
197	Less than 1.0% of mass 198	0.0
198	Base peak, 100% relative abundance	100.
199	5.0 - 9.0% of mass 198	6.8
275	10.0 - 30.0% of mass 198	27.4
365	Greater than 1.00% of mass 198	3.98
441	Present, but less than mass 443	14.6
442	Greater than 40.0% of mass 198	89.3
443	17.0 - 23.0% of mass 442	17.6 (19.7)**

* Value in parenthesis is % mass 69. ** Value in parenthesis is % mass 442.

THIS PERFORMANCE TUNE APPLIES TO THE FOLLOWING SAMPLES, BLANKS AND STANDARDS.

SAMPLE ID	LAB ID	DATE OF ANALYSIS	TIME OF ANALYSIS
PERFORMANCE STANDARD	H1792	6/13/91	8:30
WORKING STD	H1794	6/13/91	8:47
TP-2	8559007	6/13/91	10:46

00086



For the 1992-93 season, we will report worldwide injury 44(15%) and (14%) 62(25.5%)

Chromatogram

Sample Name : 8559-002

FileName : c:\2700\data\0J11814.raw

Start Time : 0.00 min

Scale Factor: 1

End Time : 38.00 min

Plot Offset: 8 mV

Sample #: 50-2

Date : 6/12/91 08:43 AM

Low Point : 8.35 mV

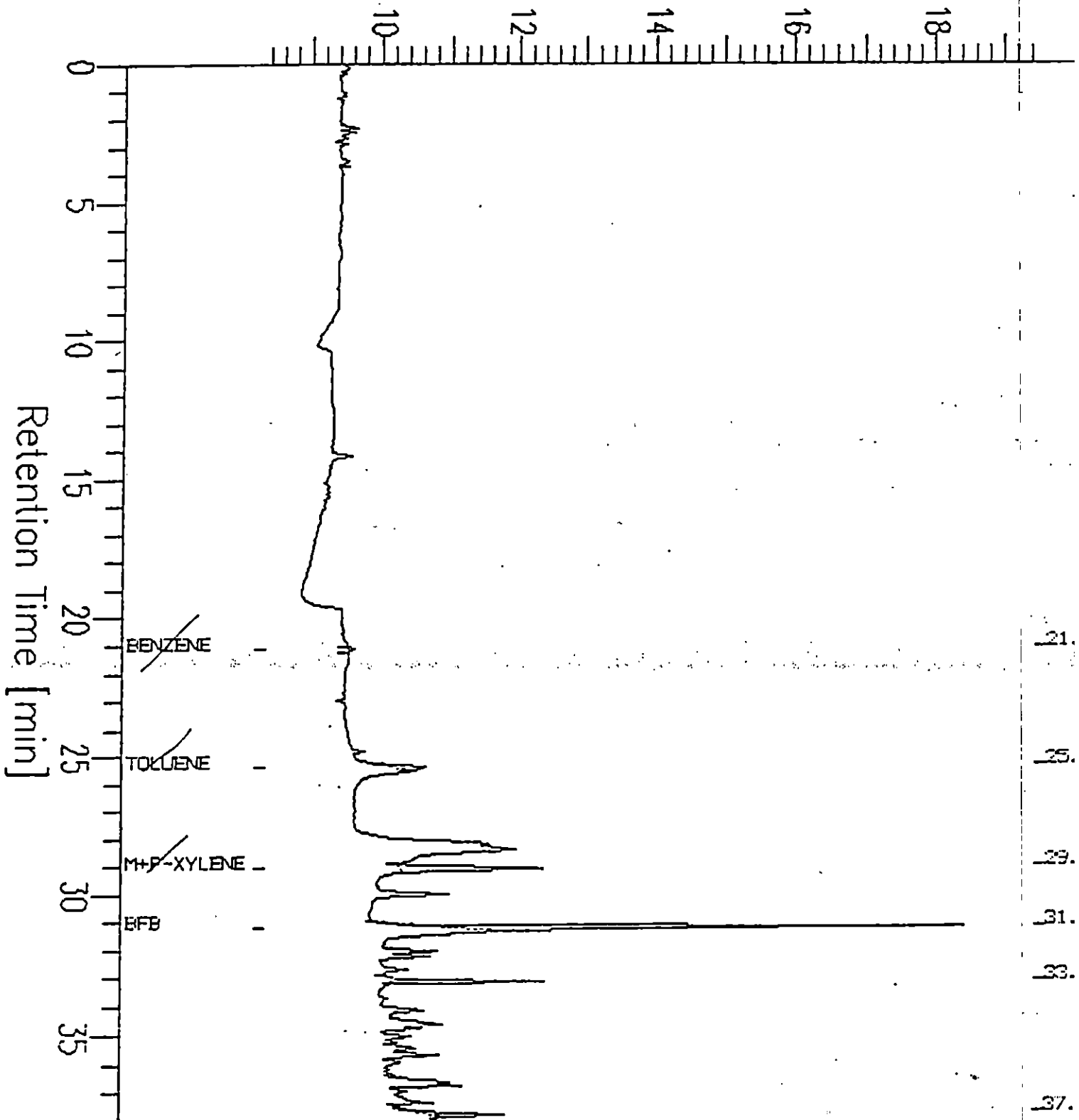
Plot Scale: 11 mV

Page 1 of 1

High Point : 19.51 mV

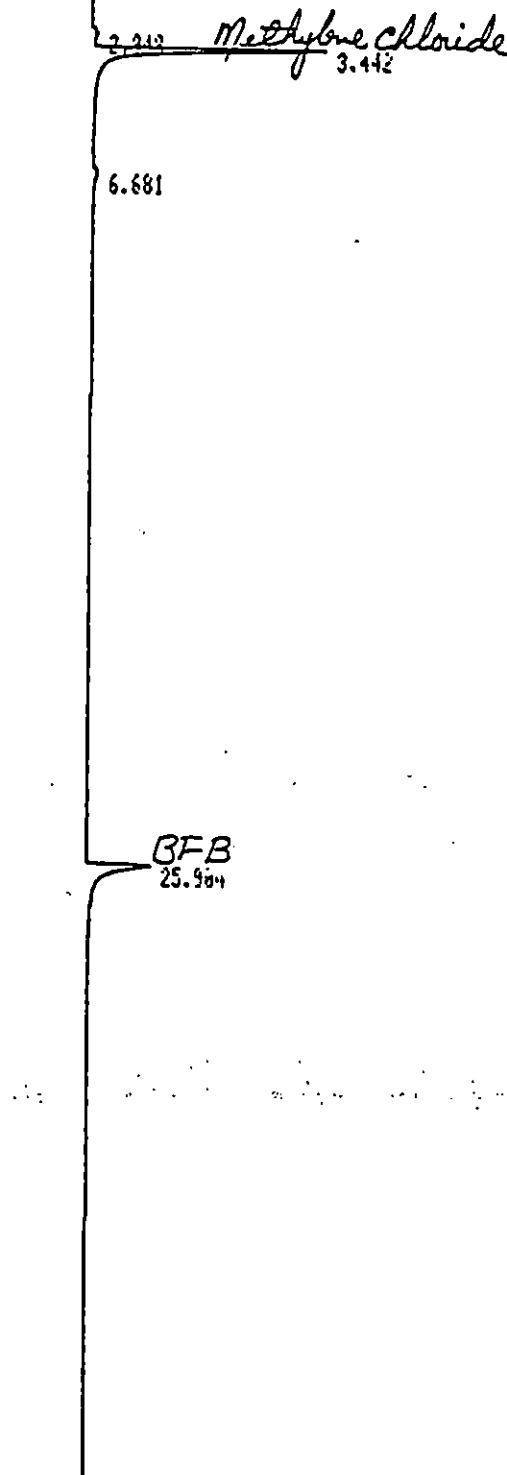
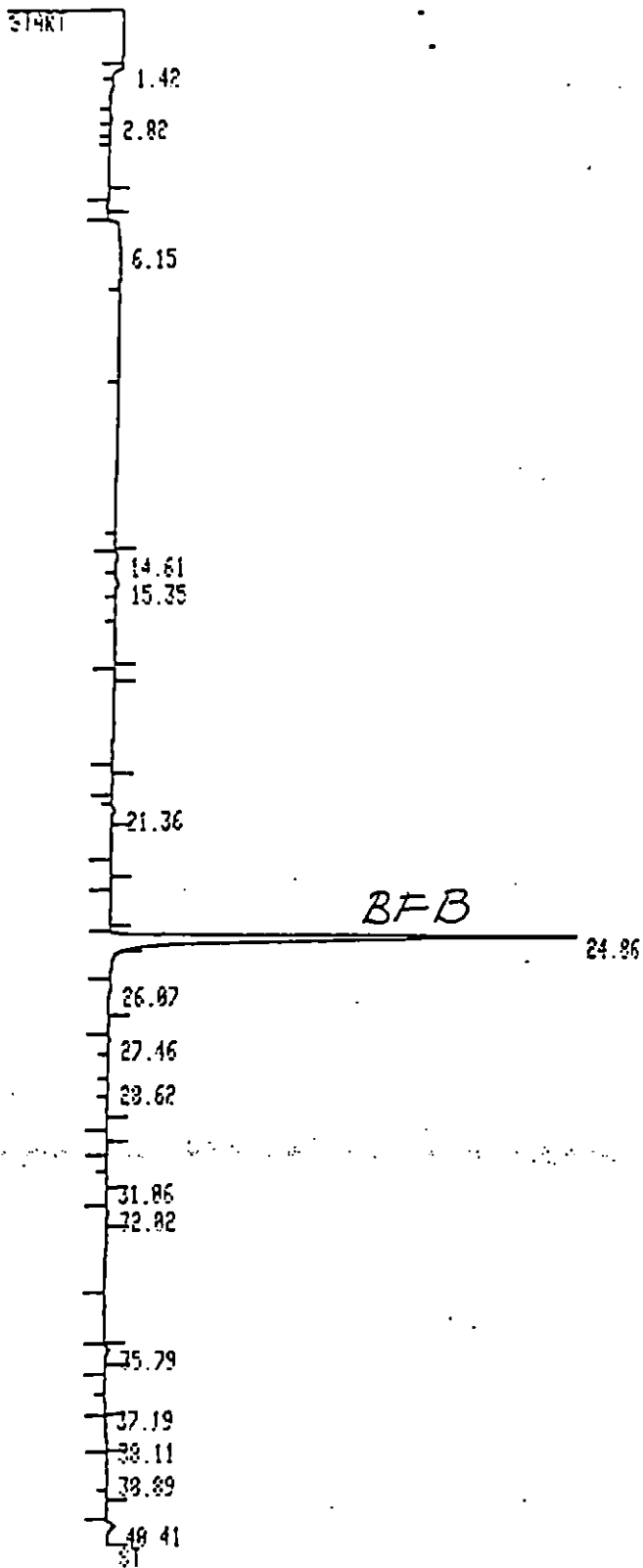
C.A. Rich 6/7/91

B Response [mV]



59 GA. Rich 8559-002
SD-2

59 C.A. Rich 8559-002, SD-2
* RUN # 718 JUN 13, 1991 20:40:21
START



TIMETABLE STOP

00024

RUN# 718

JUN 13, 1991 20:40:21

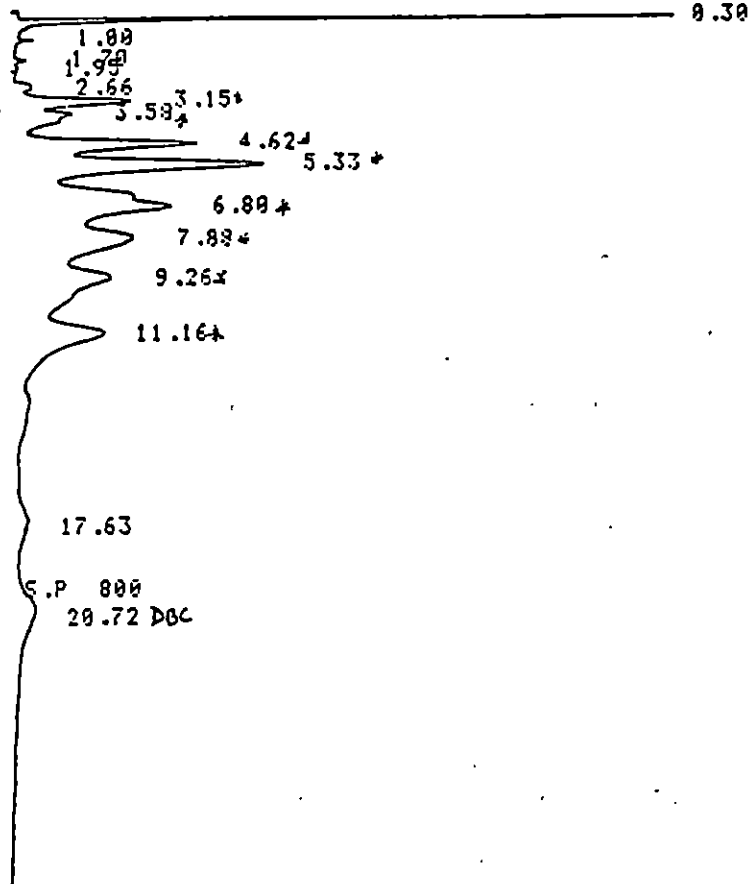
RUN # 741

JUN 13/91 20:37:01

AREA%	RT	AREA	TYPE	AR/HT	AREA%
	1.42	7502	BP	0.168	0.983
	6.15	139738	OV	1.608	18.307

AREA%	RT	AREA	TYPE	WIDTH	AREA%
	2.948	211227	PP	.221	1.88474
	3.442	7227395	PE	.136	64.48361
	6.681	52.234	PE	.406	4.65037
	25.904	2247326	BP	.224	20.07570

1:7
 346 GA. RICH 8559-002 SD-2 6/7/91 6/11/91 303/20-1
 CH. 1 C.S 5.00 ATT 1 OFFS 5 06/19/91 15:05



TEMP: ISO 200 C
 4%SE30/6%SP2401
 6FT:2MM ID ECD
 TRACOR 222 A 1
 METH'S 600 /5098 /8080 /8150

D-2000 06/19/91 15:05

SAMPLE: TAG: 231 CH: 1
 FILE: 1 CALC-METHOD: AREA% TABLE: 0 CONC: AREA

NO.	RT	AREA	HEIGHT	RT	BC	NAME
1	0.30	6746	1405	0.30	BB	
5	2.66	612	33	2.66	BU	
6	3.15	4217	240	3.15	UU	
7	3.58	2786	109	3.58	UR	
8	4.62	7152	349	4.62	RU	
9	5.33	11588	467	5.33	UR	
10	6.80	2506	123	6.80	BB	
11	7.88	4292	114	7.88	BB	
12	9.26	2855	89	9.26	BB	
13	11.16	5296	120	11.16	BB	
15	20.72	1573	27	20.72	BB	
TOTAL		49435	3084			

PEAK REJ : 299

RAW DATA STORAGE NO. 22

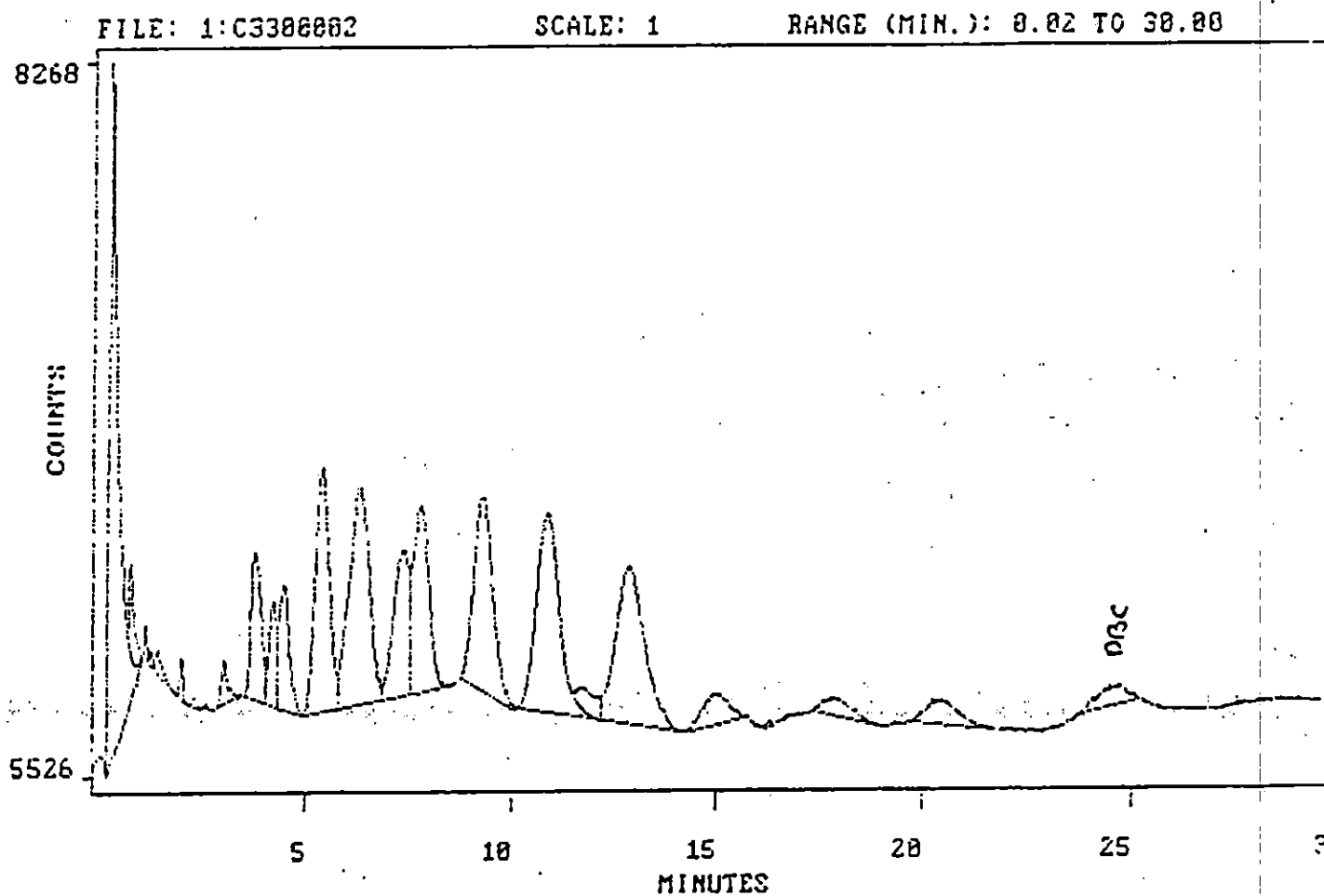
1:3

3.2L CA RICH 8559-002 SD-2 6/7/91 6/11/91 307/20-1

RECONSTRUCT SCREEN DUMP
Data Acquisition

Time: 17:28:52 Date: WED 19 JUN 91

Time: 16:54:18 Date: WED 19 JUN 91
Method: A2



00026

VOLATILE ORGANICS: METHOD 601/602

Sample ID: SD-3
 Lab Sample ID No.: 8559003
 Sample Size: 5g
 % Moisture: 33

Log in No.: 8559

Parameter(s)	Cas #	MDL (ug/kg)	Found (ug/kg)
Bromodichloromethane	75-27-4	1.0	ND
Bromoform	75-25-2	1.0	ND
Bromomethane	74-83-9	1.0	ND
Carbon Tetrachloride	56-23-5	1.0	ND
Chlorobenzene	108-90-7	1.0	ND
Chloroethane	75-00-3	1.0	ND
2-Chloroethylvinyl ether	100-75-8	1.0	ND
Chloroform	67-66-3	1.0	ND
Chloromethane	74-87-3	1.0	ND
Dibromochloromethane	124-48-1	1.0	ND
1,2-Dichlorobenzene	95-50-1	1.0	1500 T
1,3-Dichlorobenzene	541-73-1	1.0	87 T
1,4-Dichlorobenzene	106-46-7	1.0	420 T
1,1-Dichloroethane	75-46-7	1.0	ND
1,2-Dichloroethane	107-06-2	1.0	ND
1,1-Dichloroethene	75-35-4	1.0	ND
trans-1,2-Dichloroethene	156-60-5	1.0	ND
1,2-Dichloropropane	78-87-5	1.0	ND
cis-1,3-Dichloropropene	10061-01-5	1.0	ND
trans-1,3-Dichloropropene	10061-02-5	1.0	ND
Methylene Chloride	75-09-2	1.0	23 T
1,1,2,2-Tetrachloroethane	79-34-5	1.0	ND
Tetrachloroethene	127-18-4	1.0	ND
1,1,1-Trichloroethane	71-55-6	1.0	ND
1,1,2-Trichloroethane	79-00-5	1.0	ND
Trichloroethene	79-01-6	1.0	ND
Trichlorofluoromethane	75-69-4	1.0	ND
Vinyl Chloride	75-01-4	1.0	ND
Benzene	71-43-2	1.0	23 T
Toluene	108-88-3	1.0	9 T
Ethyl Benzene	100-41-4	1.0	160 T
Xylenes (Total)	-	1.0	740 T

1 D-T
NYTEST ENVIRONMENTAL INC.

TCL PESTICIDE/PCB ORGANICS ANALYSIS DATA SHEET

SAMPLE MATRIX: SOIL SAMPLE ID: SD-3
CONC. LEVEL: LOW LAB SAMPLE ID: 8559003
EXTRACTION DATE: 6/11/91 DIL FACTOR: 3.00
ANALYSIS DATE: 6/19/91 % MOISTURE: 33

CMPD #	CAS Number	PESTICIDE/PCB COMPOUND	UG/KG
			(DRY BASIS)
1	319-84-6	Alpha-BHC	NA
2	319-85-7	Beta-BHC	NA
3	319-86-8	Delta-BHC	NA
4	58-89-9	Gamma-BHC(Lindane)	NA
5	76-44-8	Heptachlor	NA
6	309-00-2	Aldrin	NA
7	1024-57-3	Heptachlor Epoxide	NA
8	959-98-8	Endosulfan I	NA
9	60-57-1	Dieldrin	NA
10	72-55-9	4,4'-DDE	NA
11	70-20-8	Endrin	NA
12	33213-65-9	Endosulfan II	NA
13	72-54-8	4,4-DDD	NA
14	1031-07-8	Endosulfan Sulfate	NA
15	50-29-3	4,4'-DDT	NA
16	53494-70-5	Endrin Ketone	NA
17	72-43-5	Methoxychlor	NA
18	57-74-9	Chlordane	NA
19	8001-35-2	Toxaphene	NA
20	12674-11-2	Aroclor-1016	360.000 U.
21	11104-28-2	Aroclor-1221	360.000 U.
22	11141-16-5	Aroclor-1232	360.000 U.
23	53469-21-9	Aroclor-1242	360.000 U.
24	12672-29-6	Aroclor-1248	360.000 U.
25	11097-69-1	Aroclor-1254	2100.000 T.
26	11096-82-5	Aroclor-1260	716.000 U.

Chromatogram

Sample Name : 8559-883

Sample #: 50-3

Page 1 of 1

FileName : c:\2788\data2\PJ11017.raw

Date : 6/12/91 04:02 AM

Start Time : 8.00 min-

End Time : 38.00 min

Low Point : -188.97 mV

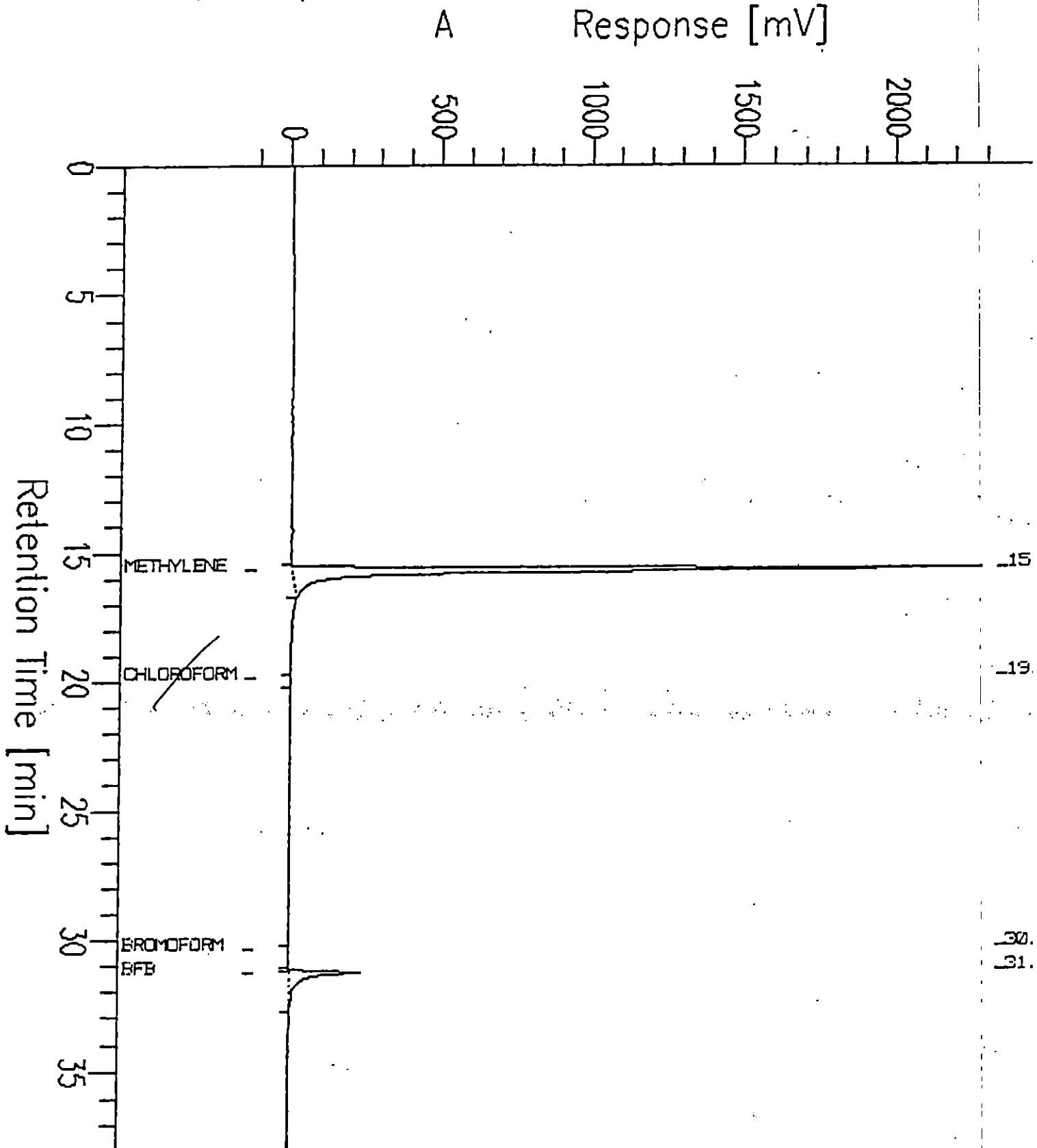
High Point : 2342.58 mV

Scale Factor: 1

Plot Offset: -189 mV

Plot Scale: 2452 mV

C.A. Rich 6/7/91



00029

Chromatogram

Sample Name : 8559-883

FileName : c:\2788\data\011017.raw

Start Time : 0.00 min

Scale Factor: 1

End Time : 38.00 min

Plot Offset: -3 mV

Sample #: SD-3

Date : 6/12/91 08:48 AM

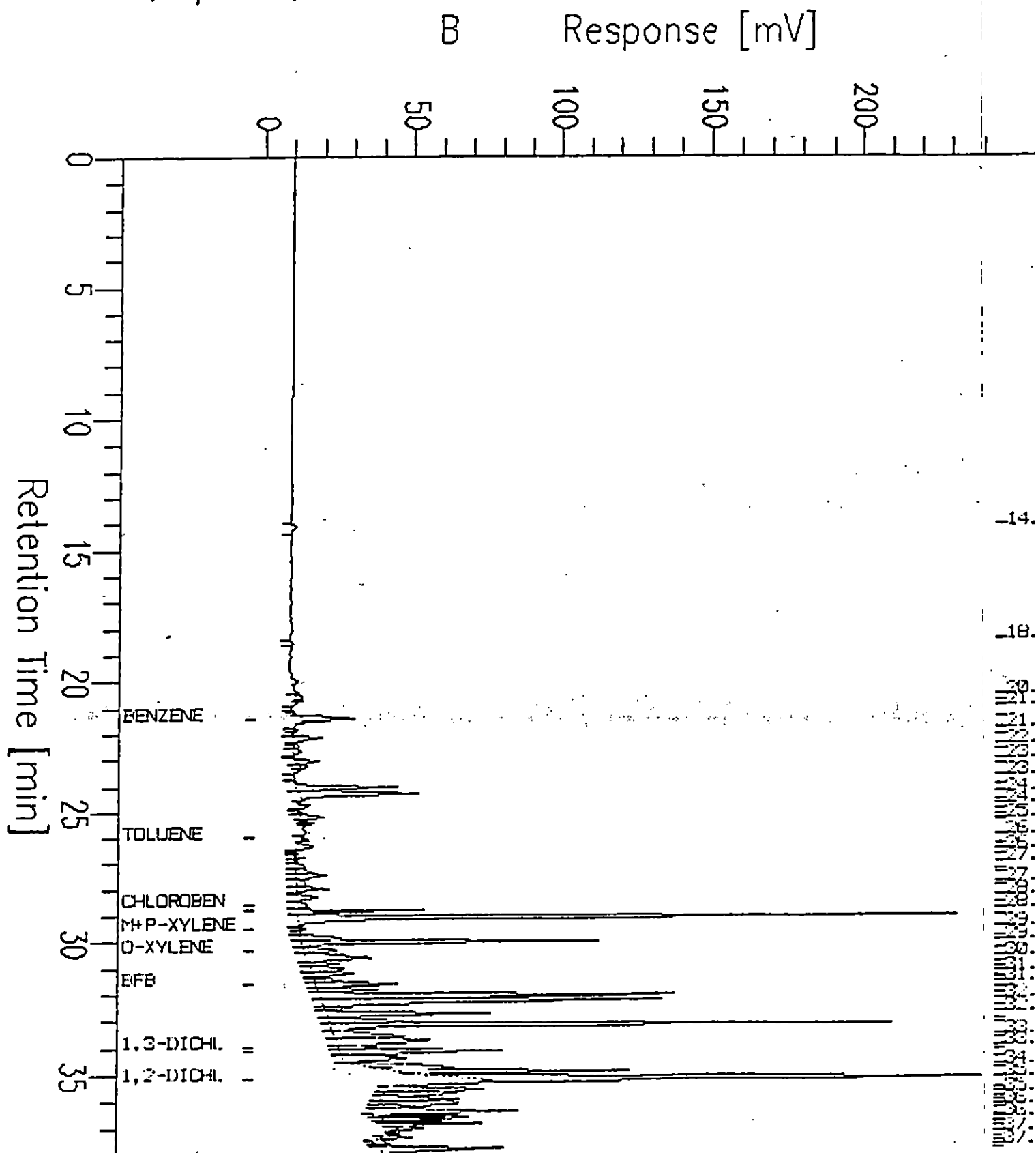
Low Point : -2.88 mV

Plot Scale: 248 mV

Page 1 of 1

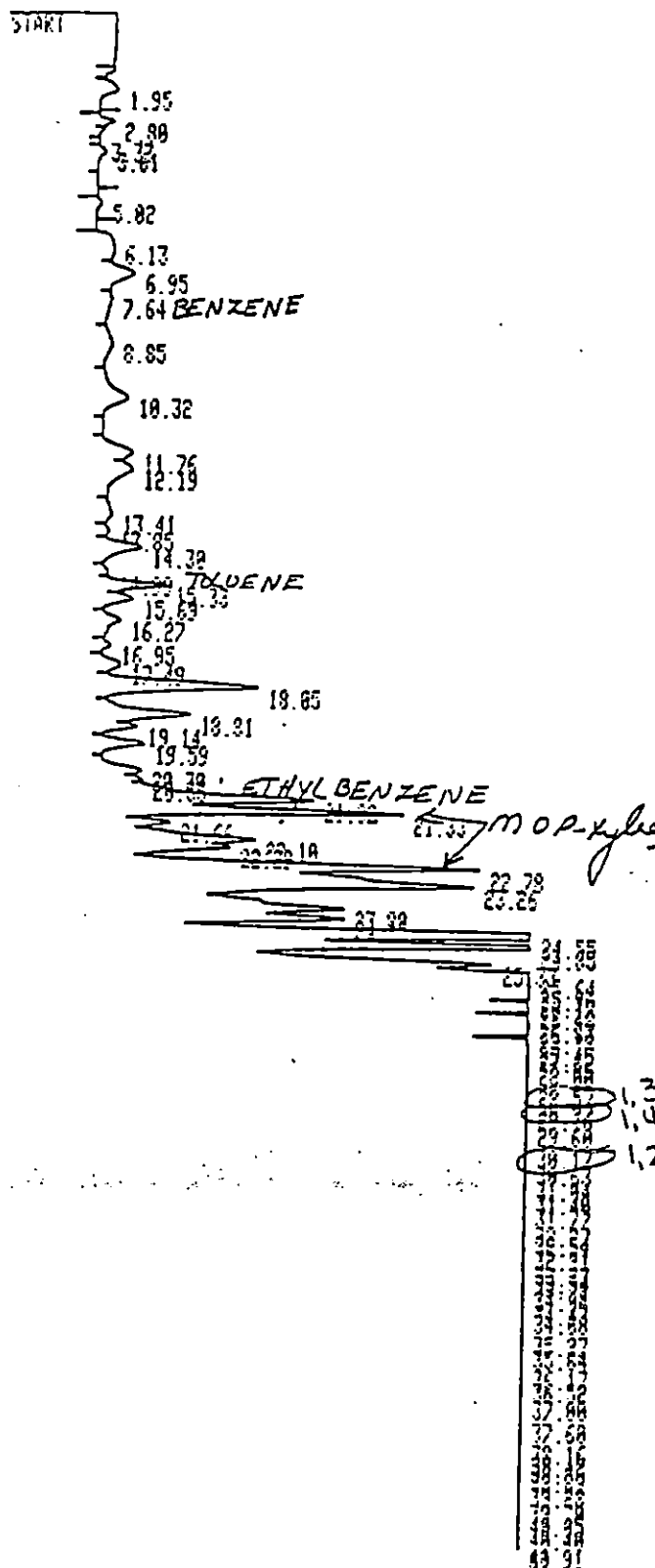
High Point : 244.76 mV

C.A. Rich 6/7/91



00030

1:5 DILUTION



JUN/17/91 22:49:39

RT	AREA	TYPE	AR/HT	AREA%
1.95	35265	PG	0.292	0.052
2.80	19202	OV	0.165	0.028
3.51	14210	VF	0.225	0.021

00031

19 C.A. Reich 8559-003 SD-3
* RUN # 735 JUN 17, 1991 22:52:54
START 1:5 DILUTION

2.934
3.438 Methylene Chloride

BFB
24.978

TIMETABLE STOP

RUN# 735

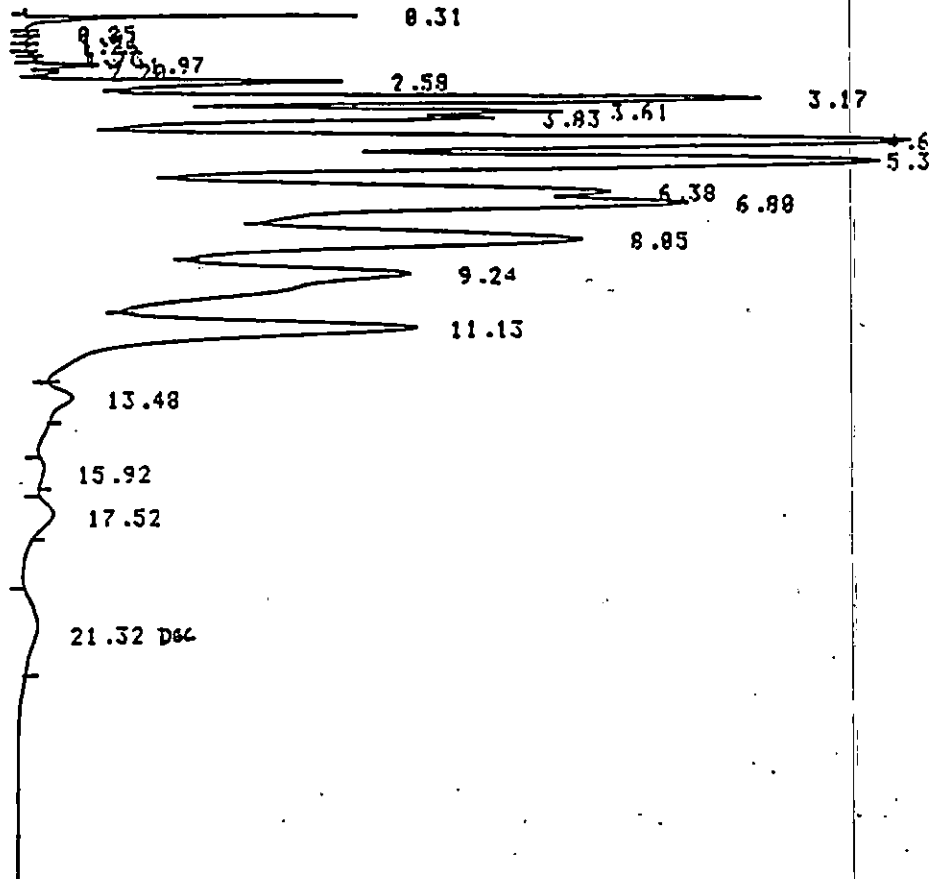
JUN 17, 1991 22:52:54

AREA#

RT	AREA	TYPE	WIDTH	AREA#
2.934	467788	PP	.227	7.76070
3.438	1339627	PB	.149	25.43524
24.978	3567014	PB	.198	66.74406

1:3
 2nd G.A. RICH SD-3 8559-003 6/7/91 6/10/91 30/20-1
 LOAD DATA STORAGE NO. 24 (RAW)

CH. 1 C.S 5.00 ATT 2 OFFS 5 06/19/91 15:57



TEMP: ISO 200 C
 4%SE30/6%SP2401
 6FT:2MM ID ECD
 TRACOR 222 A 1
 METH'S 608 /5090 /8000 /8150

D-2000

06/19/91 15:57

SAMPLE:

TAG: 232 CH: 1

FILE: 1 CALC-METHOD: AREA% TABLE: 0 CONC: AREA

NO.	RT	AREA	HEIGHT	RT	BC	NAME
1	0.31	5965	1442	0.31	88	
6	1.73	407	51	1.73	UU	
7	1.97	2599	314	1.97	UU	
8	2.20	1352	145	2.20	UU	
9	2.58	19525	1375	2.58	UU	
10	3.17	60236	3154	3.17	UU	
11	3.61	32966	2306	3.61	UU	
12	3.83	32655	2014	3.83	UU	
13	4.64	115343	3700	4.64	UU	
14	5.35	124138	3649	5.35	UU	
15	6.38	70074	2491	6.38	UU	
16	6.80	106177	2820	6.80	UU	
17	8.05	114985	2353	8.05	UU	
18	9.24	106257	1616	9.24	UU	
19	11.13	75502	1625	11.13	UU	
20	13.48	4423	114	13.48	88	
21	15.92	649	21	15.92	88	
22	17.52	3731	80	17.52	88	
23	21.32	5342	55	21.32	88	

TOTAL

882526

29405

00033

1:3

3rd CA RICH 8559-003 SD-3 6/7/91 6/11/91 30g/70ml

RECONSTRUCT SCREEN DUMP
Data Acquisition

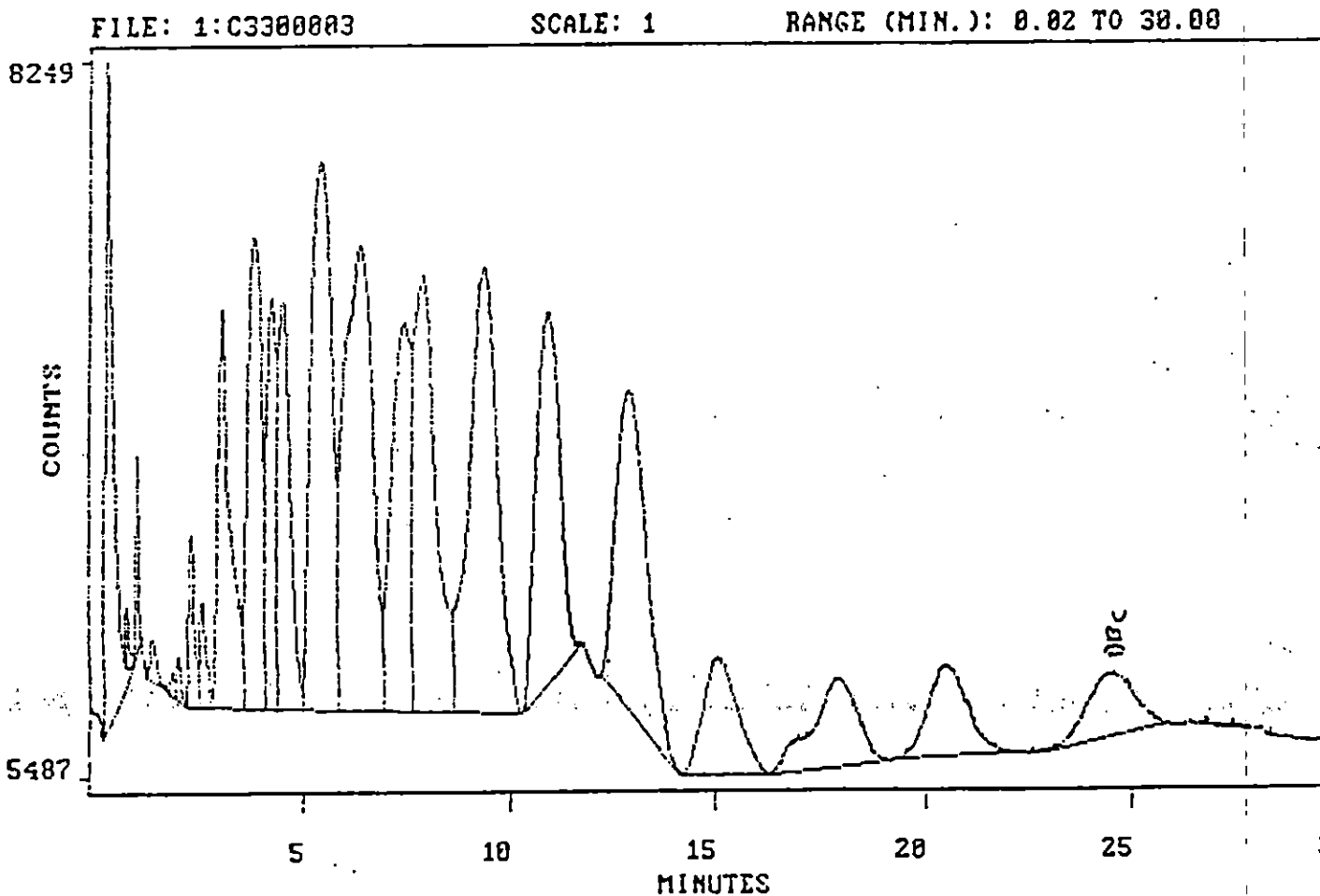
Time: 18:06:53

Date: WED 19 JUN 91

Time: 17:32:24

Date: WED 19 JUN 91

Method: A2



00034

VOLATILE ORGANICS: METHOD 601/602

Sample ID: GP-1
 Lab Sample ID No.: 8559004
 Sample Size: 1 ml
 Dilution Factor : 5

Log in No.: 8559

Parameter(s)	Cas #	MDL (ug/l)	Found (ug/l)
Bromodichloromethane	75-27-4	5.0	ND
Bromoform	75-25-2	5.0	ND
Bromomethane	74-83-9	5.0	ND
Carbon Tetrachloride	56-23-5	5.0	ND
Chlorobenzene	108-90-7	5.0	ND
Chloroethane	75-00-3	5.0	ND
2-Chloroethylvinyl ether	100-75-8	5.0	ND
Chloroform	67-66-3	5.0	ND
Chloromethane	74-87-3	5.0	ND
Dibromochloromethane	124-48-1	5.0	ND
1,2-Dichlorobenzene	95-50-1	5.0	110 T
1,3-Dichlorobenzene	541-73-1	5.0	ND
1,4-Dichlorobenzene	106-46-7	5.0	ND
1,1-Dichloroethane	75-46-7	5.0	ND
1,2-Dichloroethane	107-06-2	5.0	ND
1,1-Dichloroethene	75-35-4	5.0	ND
trans-1,2-Dichloroethene	156-60-5	5.0	ND
1,2-Dichloropropane	78-87-5	5.0	ND
cis-1,3-Dichloropropene	10061-01-5	5.0	ND
trans-1,3-Dichloropropene	10061-02-5	5.0	ND
Methylene Chloride	75-09-2	5.0	9 TB
1,1,2,2-Tetrachloroethane	79-34-5	5.0	ND
Tetrachloroethene	127-18-4	5.0	ND
1,1,1-Trichloroethane	71-55-6	5.0	ND
1,1,2-Trichloroethane	79-00-5	5.0	ND
Trichloroethene	79-01-6	5.0	ND
Trichlorofluoromethane	75-69-4	5.0	ND
Vinyl Chloride	75-01-4	5.0	ND
Benzene	71-43-2	5.0	ND
Toluene	108-88-3	5.0	2 J
Ethyl Benzene	100-41-4	5.0	ND
Xylenes (Total)	-	5.0	ND

1 D-T
NYTEST ENVIRONMENTAL INC.

TCL PESTICIDE/PCB ORGANICS ANALYSIS DATA SHEET

SAMPLE MATRIX: SOIL SAMPLE ID: GP-1
CONC. LEVEL: MED LAB SAMPLE ID: 8559004
EXTRACTION DATE: 6/11/91 DIL FACTOR: 5.00
ANALYSIS DATE: 6/20/91 % MOISTURE: NA

				UG/KG
CMPO #	CAS Number	PESTICIDE/PCB COMPOUND		
1	319-84-6	Alpha-BHC		NA
2	319-85-7	Beta-BHC		NA
3	319-86-8	Delta-BHC		NA
4	58-89-9	Gamma-BHC(Lindane)		NA
5	76-44-8	Heptachlor		NA
6	309-00-2	Aldrin		NA
7	1024-57-3	Heptachlor Epoxide		NA
8	959-98-8	Endosulfan I		NA
9	60-57-1	Dieldrin		NA
10	72-55-9	4,4'-DDE		NA
11	70-20-8	Endrin		NA
12	33213-65-9	Endosulfan II		NA
13	72-54-8	4,4-DDD		NA
14	1031-07-8	Endosulfan Sulfate		NA
15	50-29-3	4,4'-DDT		NA
16	53494-70-5	Endrin Ketone		NA
17	72-43-5	Methoxychlor		NA
18	57-74-9	Chlordane		NA
19	8001-35-2	Toxaphene		NA
20	12674-11-2	Aroclor-1016		6000.000 U.
21	11104-28-2	Aroclor-1221		6000.000 U.
22	11141-16-5	Aroclor-1232		6000.000 U.
23	53469-21-9	Aroclor-1242		6000.000 U.
24	12672-29-6	Aroclor-1248		6000.000 U.
25	11097-69-1	Aroclor-1254		12000.000 U.
26	11096-82-5	Aroclor-1260		12000.000 U.

Chromatogram

Sample Name : 8559-884 1:5 DIL

FileName : c:\2780\data2\PJ12815.raw

Start Time : 8.88 min.

Scale Factor: 1

End Time : 38.88 min

Plot Offset: -23 mV

Sample #: 6P-1

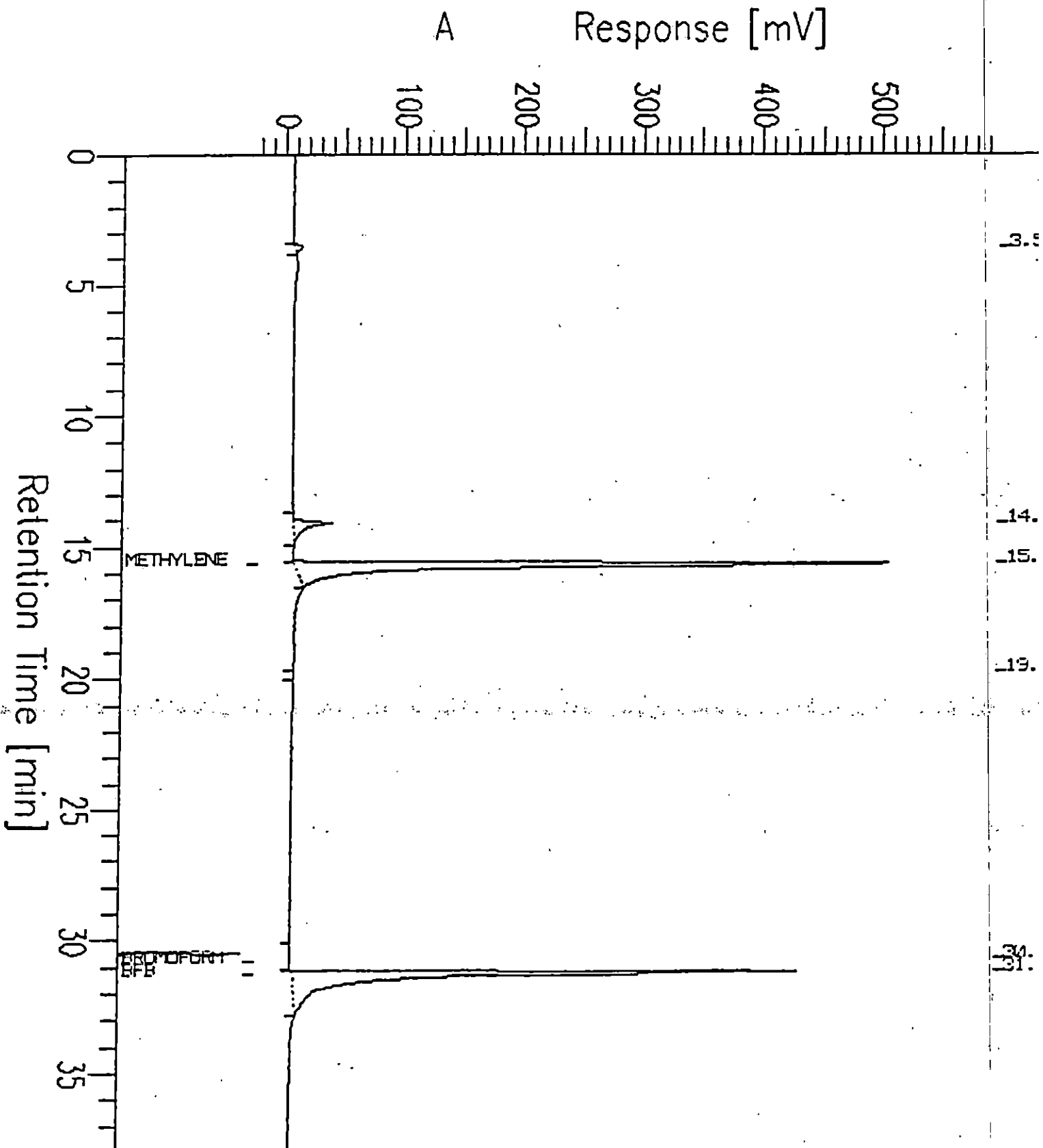
Date : 6/13/91 02:05 AM

Low Point : -22.68 mV

Plot Scale: 621 mV

Page 1 of 1

High Point : 597.81 mV



Chromatogram

Sample Name : 8559-884

FileName : c:\2788\data8\QJ12815.raw

Start Time : 8.00 min

Scale Factor: 1

End Time : 38.80 min

Plot Offset: 7 mV

Sample #: 6P-1

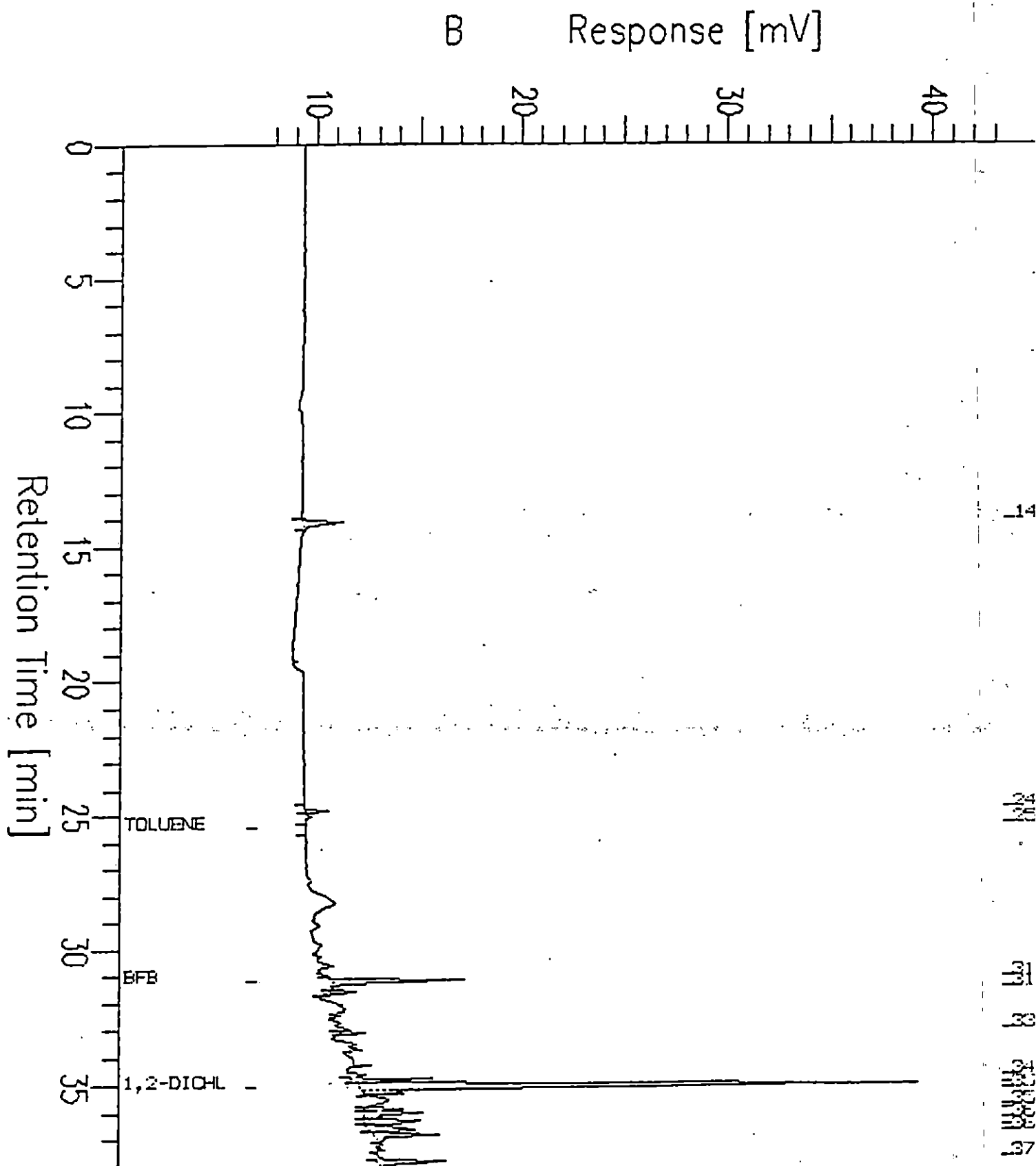
Date : 6/13/91 02:05 AM

Low Point : 7.13 mV

Plot Scale: 36 mV

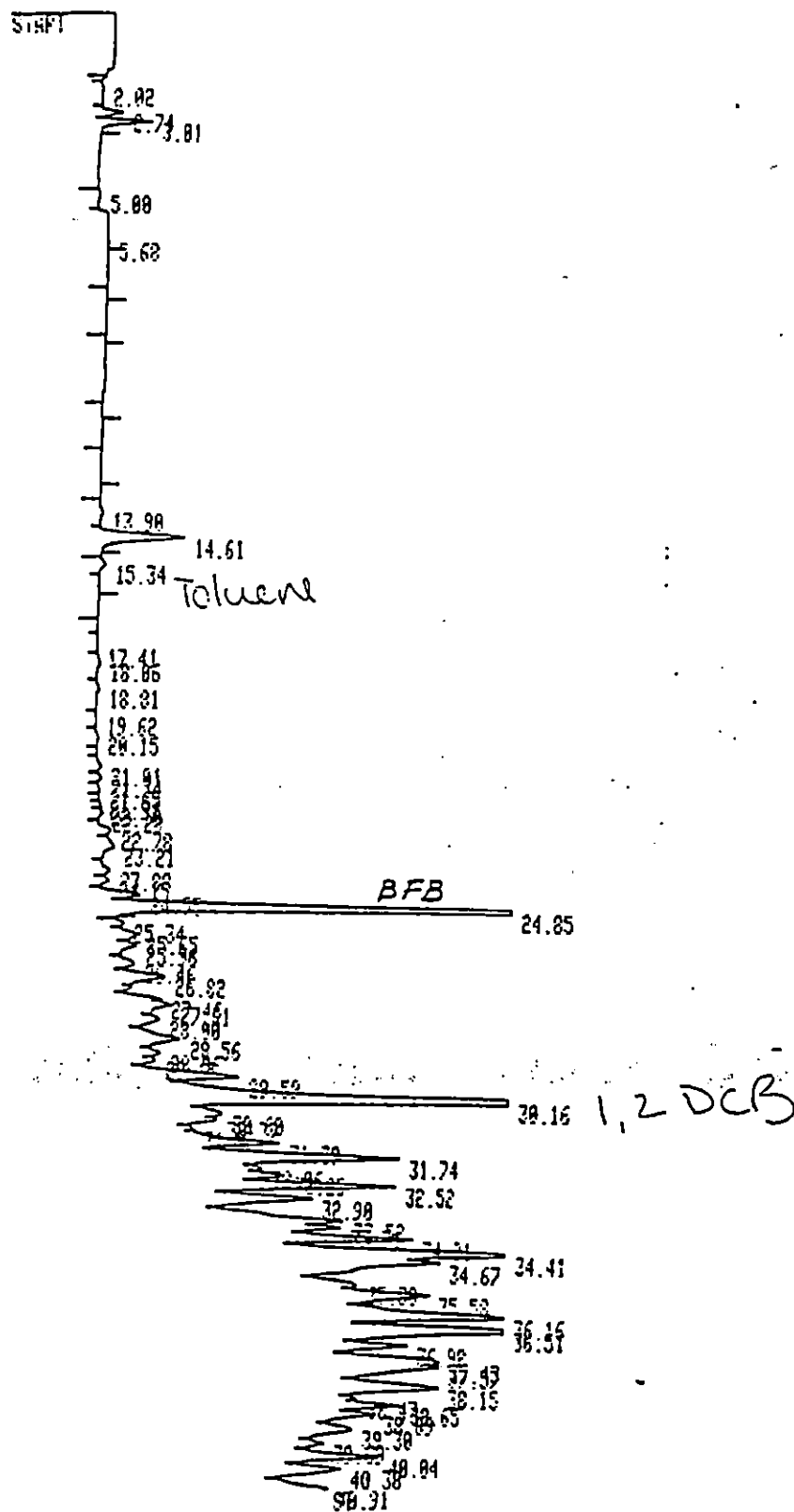
Page 1 of 1

High Point : 43.53 mV



00038

1ml CA Rich 8559-004
1:5 DILUTION GP-1



RUN # 759

JUN/17/91 23:46:37

AREA2

RT
2.02

AREA TYPE
7515 PV

AR/HT
0 322

AREA2
0 072

00039

1 ml C.A. Rich 559-004 GP1

* RUN # 736

JUN 17, 1991 23:49:52

START

1:5 DILUTION

2.939 Methylene chloride
3.442

BFP
24.970

TIMETABLE STOP

RUN# 736

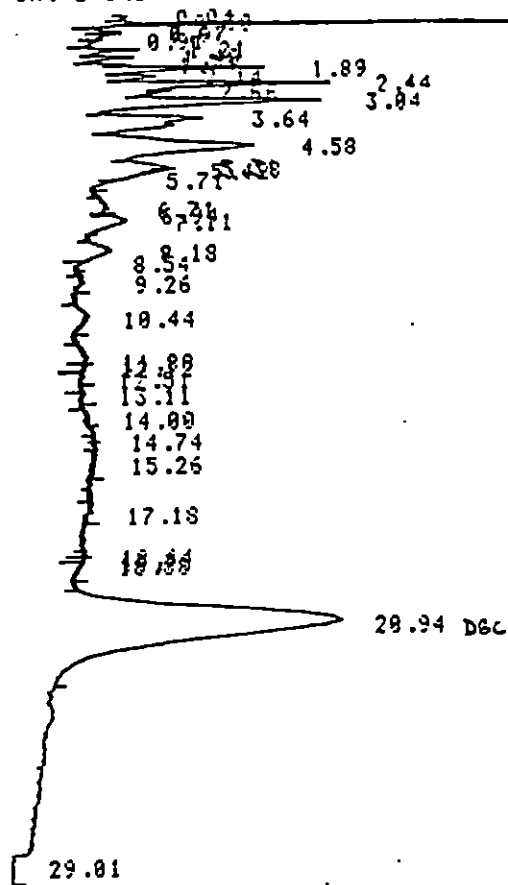
JUN 17, 1991 23:49:52

AREA#

RT	AREA	TYPE	WIDTH	AREA%
2.939	409548	PB	.201	5.49533
3.442	2296458	PB	.147	30.72374
24.970	4753690	PB	.189	63.77542

00040

2nd CA RICH 8559-004 GP-1 6/7/91 6/12/91 12/50-1
 CH. 2 C.S 5.00 ATT 0 OFFS 5 06/19/91 16:37



TEMP: ISO 200 C
 4%SE30/6%SP2401
 6FT:2MM ID ECD
 TRACOR 222 A 1
 METH'S 603 /5098 /8080 /8150

D-2000

06/19/91 16:37

SAMPLE: TAG: 259 CH: 2

FILE: 1 CALC-METHOD: AREA% TABLE: 8 CONC: AREA

NO.	RT	AREA	HEIGHT	RRT	BC	NAME
3	0.34	5852	2076	0.34	UB	
5	0.67	419	41	0.67	UU	
7	1.21	438	64	1.21	BV	
8	1.43	428	58	1.43	UB	
9	1.74	304	54	1.74	BU	
10	1.89	1637	195	1.89	UU	
11	2.14	900	81	2.14	UU	
12	2.44	3925	267	2.44	UU	
14	3.04	3835	255	3.04	UU	
15	3.64	3118	128	3.64	UU	
16	4.58	5236	177	4.58	UU	
17	5.31	1045	86	5.31	UU	
18	5.38	537	90	5.38	UU	
19	5.42	834	78	5.42	UU	
23	7.11	894	49	7.11	UB	
24	8.18	671	31	8.18	BB	
27	10.44	416	16	10.44	BB	
28	11.88	312	16	11.88	BB	
39	20.94	20465	294	20.94	BB	
40	29.01	1491	58	29.01	BB	
TOTAL		52207	4195			

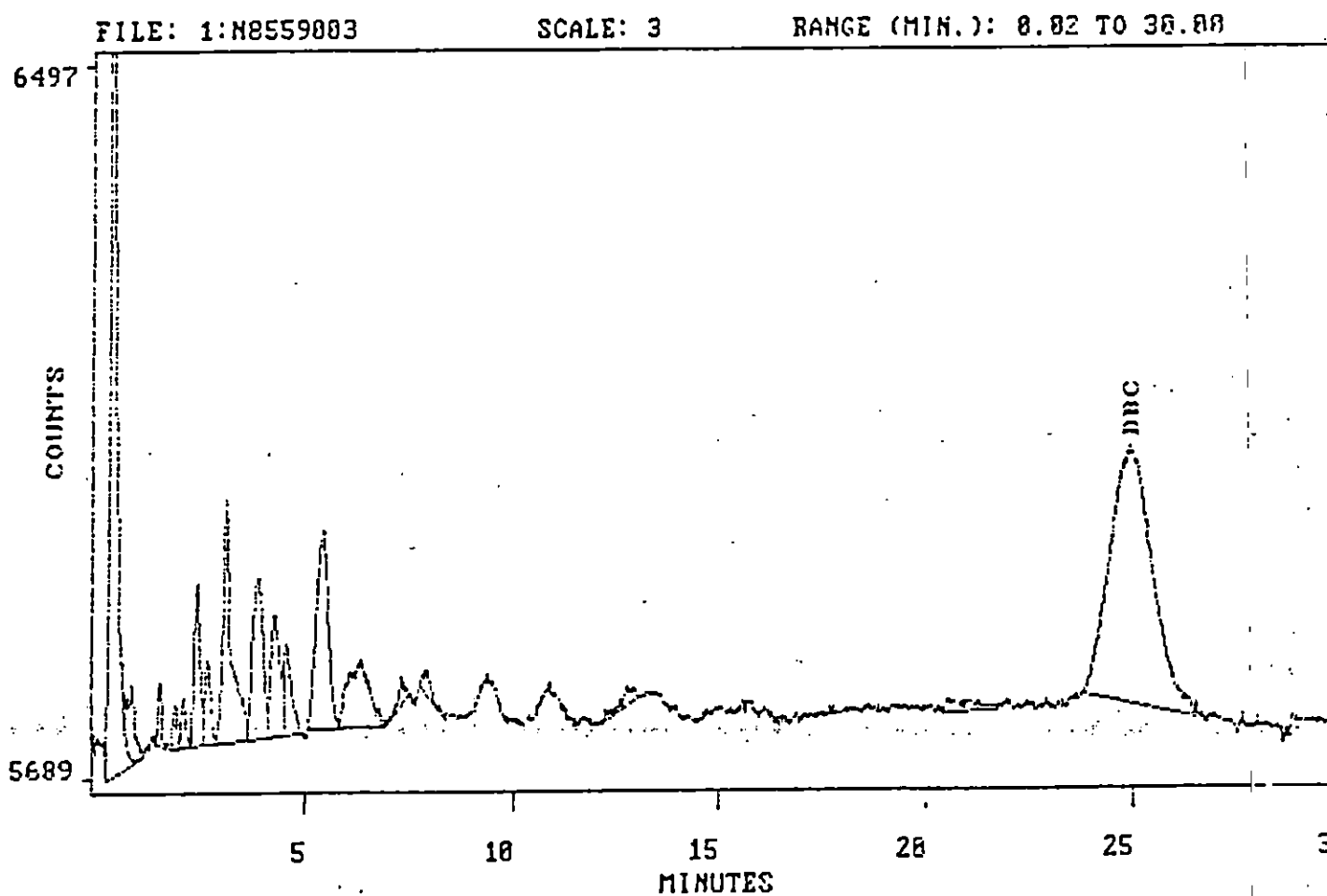
00041

2nd GA. RICH 8559-004 GP-1 6/7/91 6/11/91

RECONSTRUCT SCREEN DUMP
Data Acquisition

Time: 18:11:12 Date: THU 20 JUN 91

Time: 15:31:37 Date: THU 20 JUN 91
Method: A2



00042

VOLATILE ORGANICS: METHOD 601/602

Sample ID: GP-2
 Lab Sample ID No.: 8559005
 Sample Size: 5g
 % Moisture: 39

Log in No.: 8559

Parameter(s)	Cas #	MDL (ug/kg)	Found (ug/kg)
Bromodichloromethane	75-27-4	1.0	ND
Bromoform	75-25-2	1.0	ND
Bromomethane	74-83-9	1.0	ND
Carbon Tetrachloride	56-23-5	1.0	ND
Chlorobenzene	108-90-7	1.0	ND
Chloroethane	75-00-3	1.0	ND
2-Chloroethylvinyl ether	100-75-8	1.0	ND
Chloroform	67-66-3	1.0	ND
Chloromethane	74-87-3	1.0	ND
Dibromochloromethane	124-48-1	1.0	ND
1,2-Dichlorobenzene	95-50-1	1.0	270 T
1,3-Dichlorobenzene	541-73-1	1.0	11 T
1,4-Dichlorobenzene	106-46-7	1.0	45
1,1-Dichloroethane	75-46-7	1.0	ND
1,2-Dichloroethane	107-06-2	1.0	ND
1,1-Dichloroethene	75-35-4	1.0	ND
trans-1,2-Dichloroethene	156-60-5	1.0	ND
1,2-Dichloropropane	78-87-5	1.0	ND
cis-1,3-Dichloropropene	10061-01-5	1.0	ND
trans-1,3-Dichloropropene	10061-02-5	1.0	ND
Methylene Chloride	75-09-2	1.0	33 T
1,1,2,2-Tetrachloroethane	79-34-5	1.0	ND
Tetrachloroethene	127-18-4	1.0	ND
1,1,1-Trichloroethane	71-55-6	1.0	ND
1,1,2-Trichloroethane	79-00-5	1.0	ND
Trichloroethene	79-01-6	1.0	ND
Trichlorofluoromethane	75-69-4	1.0	ND
Vinyl Chloride	75-01-4	1.0	ND
Benzene	71-43-2	1.0	1 T
Toluene	108-88-3	1.0	ND
Ethyl Benzene	100-41-4	1.0	16 T
Xylenes (Total)	-	1.0	46 T

1 D-T
NYTEST ENVIRONMENTAL INC.

TCL PESTICIDE/PCB ORGANICS ANALYSIS DATA SHEET

SAMPLE MATRIX: SOIL
CONC. LEVEL: LOW
EXTRACTION DATE: 6/11/91
ANALYSIS DATE: 6/20/91

SAMPLE ID: GP-2
LAB SAMPLE ID: 8559005
DIL FACTOR: 20.00
% MOISTURE: 39

CMPD #	CAS Number	PESTICIDE/PCB COMPOUND	UG/KG (DRY BASIS)
1	319-84-6	Alpha-BHC	NA
2	319-85-7	Beta-BHC	NA
3	319-86-8	Delta-BHC	NA
4	58-89-9	Gamma-BHC(Lindane)	NA
5	76-44-8	Heptachlor	NA
6	309-00-2	Aldrin	NA
7	1024-57-3	Heptachlor Epoxide	NA
8	959-98-8	Endosulfan I	NA
9	60-57-1	Dieldrin	NA
10	72-55-9	4,4'-DDE	NA
11	70-20-8	Endrin	NA
12	33213-65-9	Endosulfan II	NA
13	72-54-8	4,4-DDD	NA
14	1031-07-8	Endosulfan Sulfate	NA
15	50-29-3	4,4'-DDT	NA
16	53494-70-5	Endrin Ketone	NA
17	72-43-5	Methoxychlor	NA
18	57-74-9	Chlordane	NA
19	8001-35-2	Toxaphene	NA
20	12674-11-2	Aroclor-1016	2600.000 U.
21	11104-28-2	Aroclor-1221	2600.000 U.
22	11141-16-5	Aroclor-1232	2600.000 U.
23	53469-21-9	Aroclor-1242	2600.000 U.
24	12672-29-6	Aroclor-1248	2600.000 U.
25	11097-69-1	Aroclor-1254	33000.000 T.
26	11096-82-5	Aroclor-1260	5200.000 U.

Chromatogram

Sample Name : 8559-005

Sample #: 6P-2

Page 1 of 1

FileName : c:\2700\data2\PJ11018.raw

Date : 6/12/91 04:56 AM

Start Time : 0.00 min.

End Time : 38.00 min

Low Point : -152.07 mV

High Point : 3194.91 mV

Scale Factor: 1

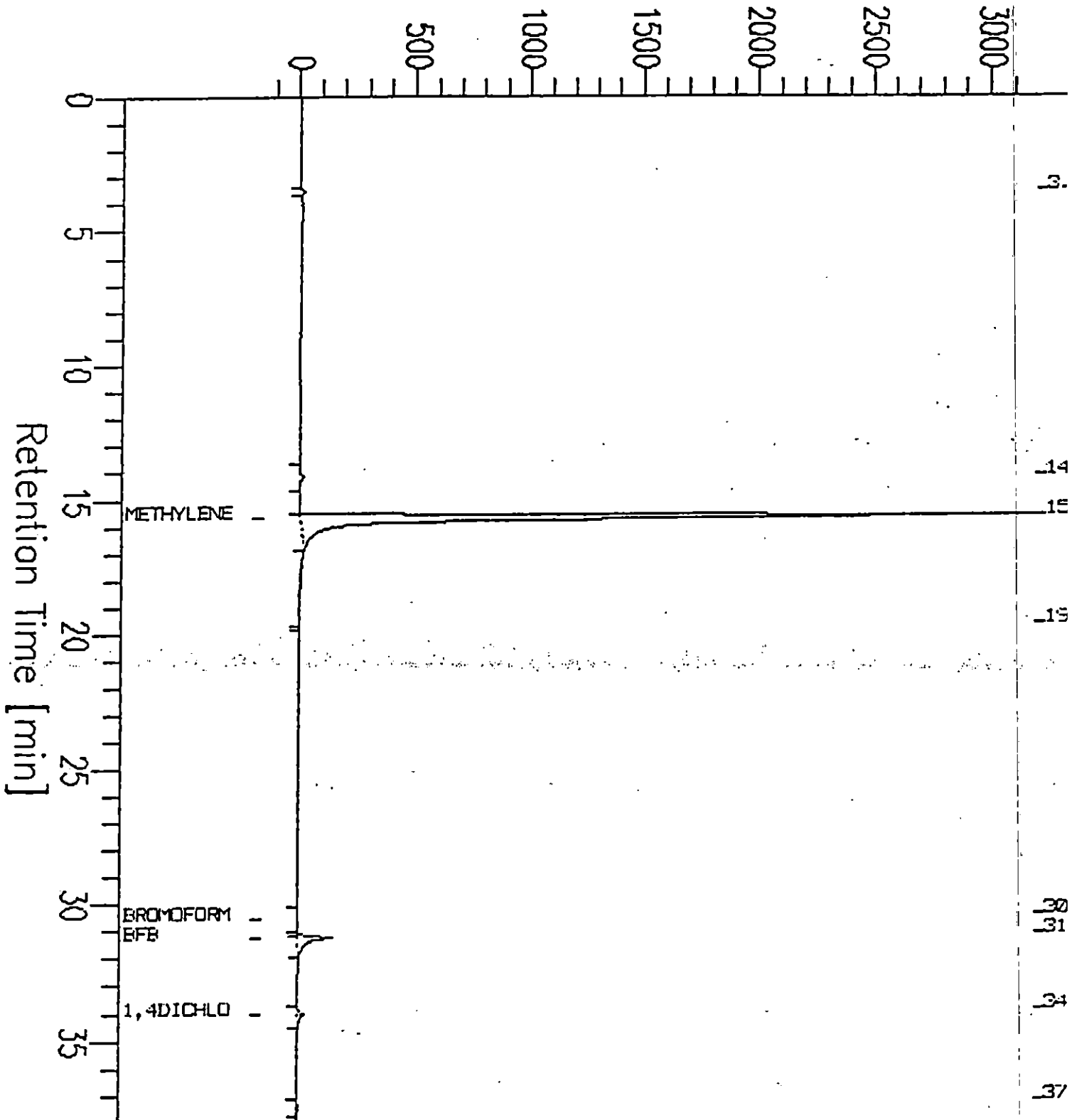
Plot Offset: -152 mV

Plot Scale: 3347 mV

C.A. Rich 6/7/91

A

Response [mV]



Chromatogram

Sample Name : 8559-885

FileName : c:\2788\data\0J11818.raw

Start Time : 8.00 min

Scale Factor: 1

End Time : 38.00 min

Plot Offset: 7 mV

Sample #: 6P-2

Date : 6/12/91 88:49 AM

Low Point : 6.98 mV

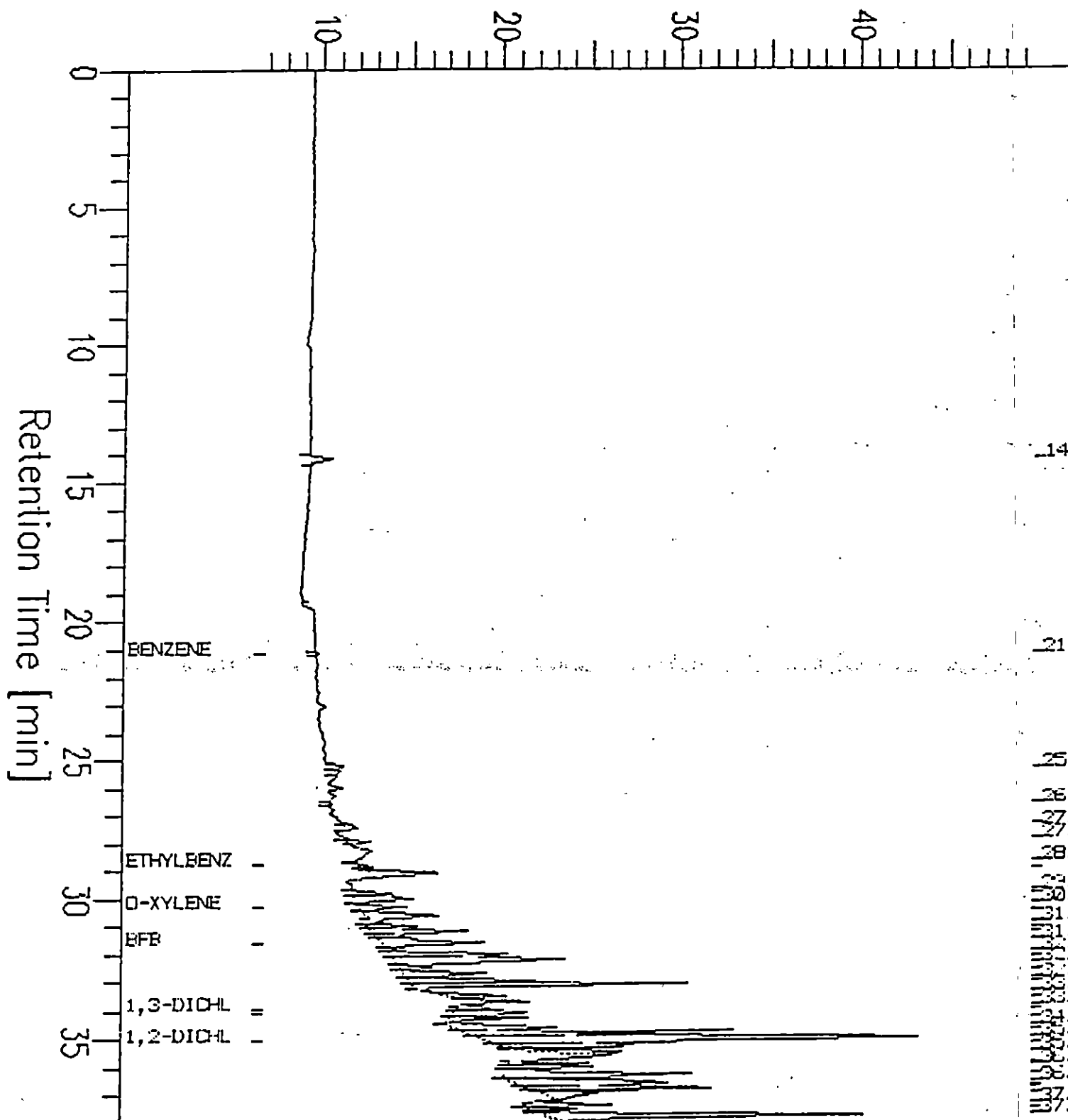
Plot Scale: 43 mV

Page 1 of 1

High Point : 49.68 mV

C.A. Rich 6/7/91

B Response [mV]



1g C.A. Reich 8559-005 GP-2
RUN # 737 JUN 18, 1991 00:46:48
START

2.928 Methylene chloride
3.441

BFB
25.001

TIMETABLE STOP

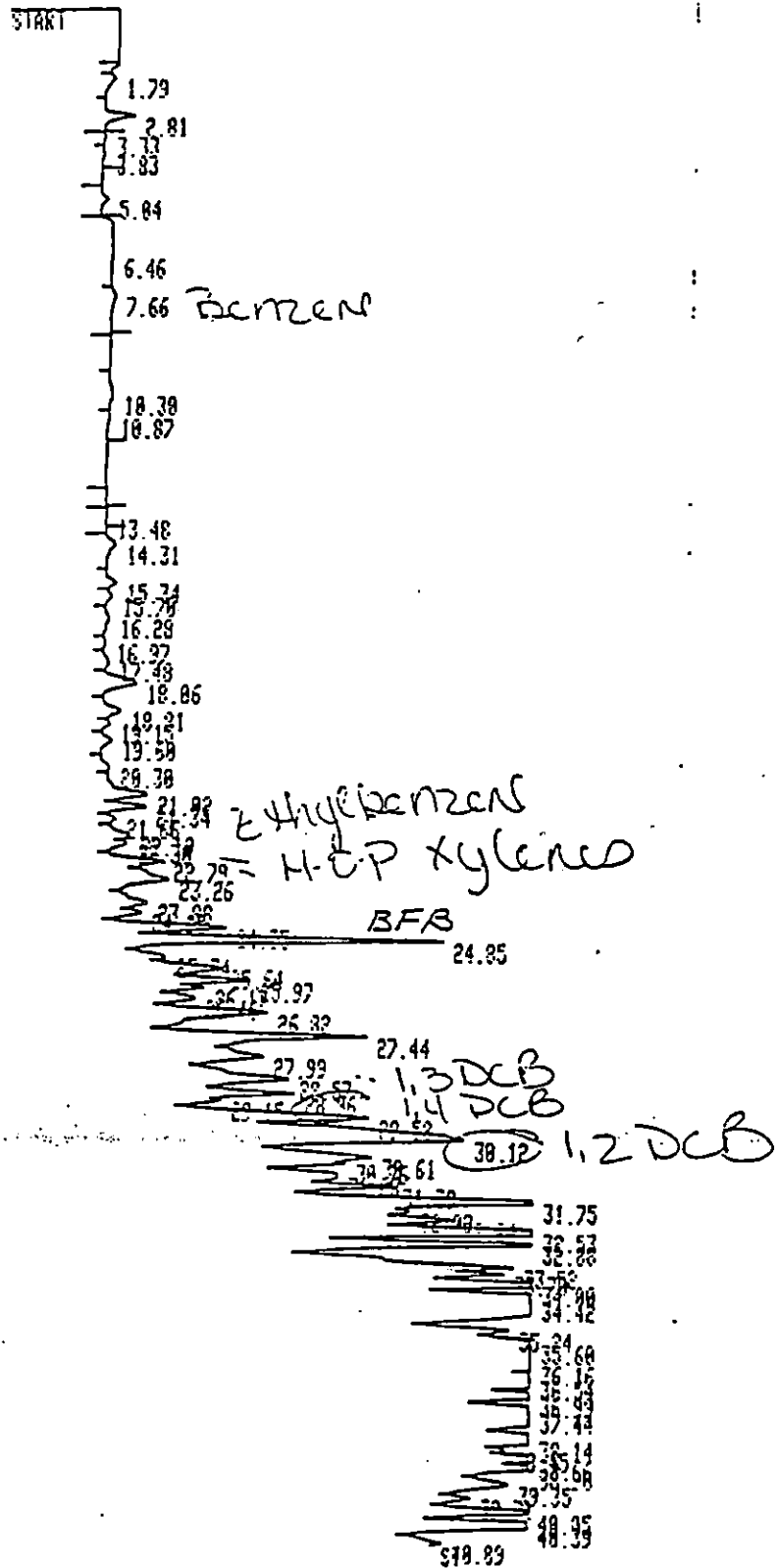
RUN# 737 JUN 18, 1991 00:46:48

AREA%

RT	AREA	TYPE	WIDTH	AREA%
2.928	428225	PP	.224	10.84833
3.441	1376440	PE	.150	34.86971
25.001	2142717	PE	.230	54.28195

00047

19 C.A. Rich 8559-005
GP-2



RUN # 760

JUN/18/91 00:43:33

AREA%

RT

AREA TYPE

AR/HT

AREA%

1.79

9302

PP

0.284

0.022

2.81

40004

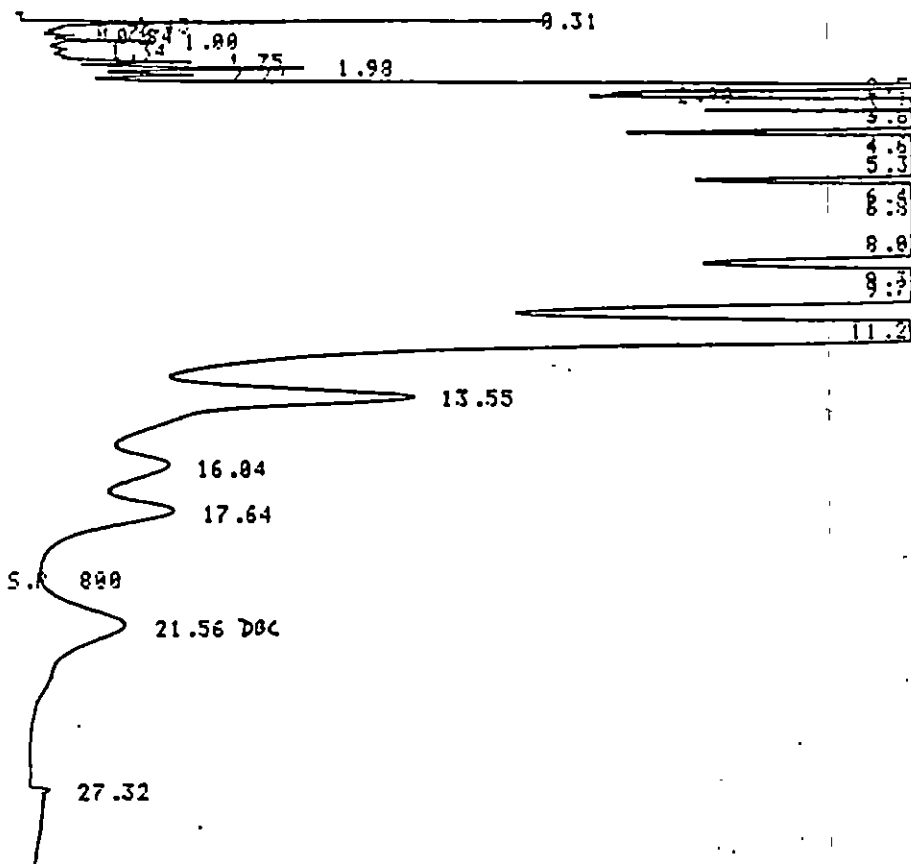
PP

0.170

0.005

00048

22 CA RICH 8559-005 GP-2 6/7/91 6/10/91 3/2/91
 CH. 1 C.S 5.00 ATT 1 OFFS 5 06/20/91 12:00



TEMP: 150 200 C
 4%SE30/6%SP2401
 6FT;2MM ID ECD
 TRACOR 222 A 1
 METH'S 608 /5098 /8080 /8150

D-2000

06/20/91 12:00

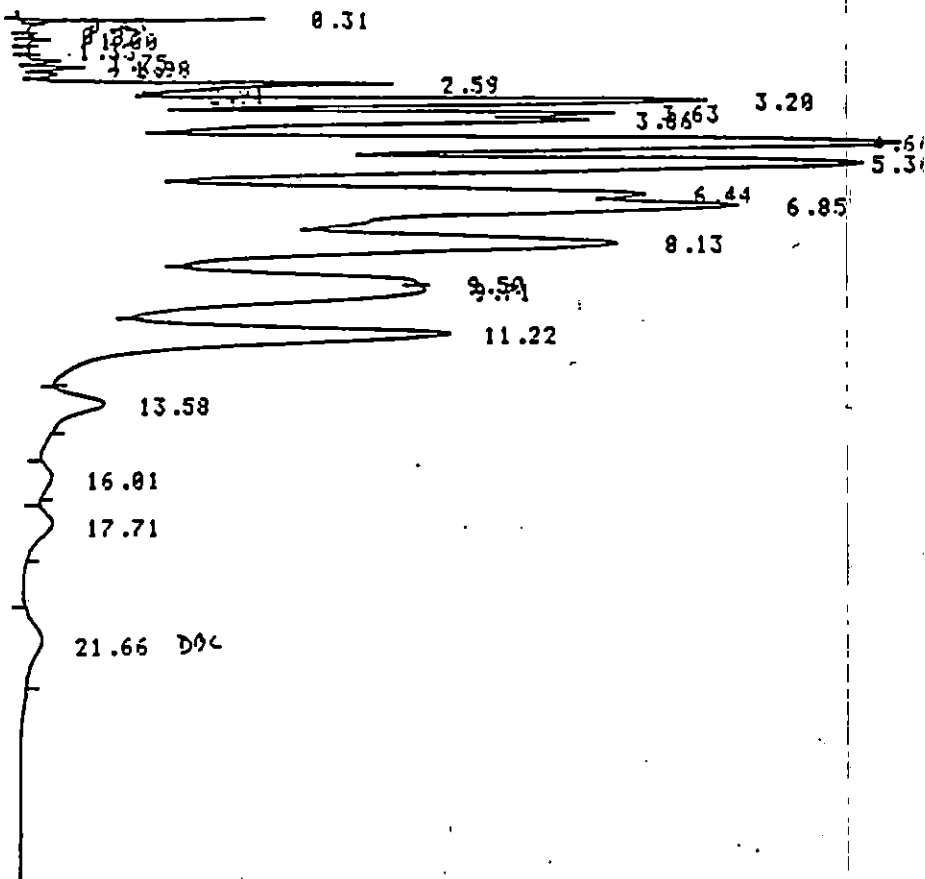
SAMPLE: TAG: 240 CH: 1

FILE: 1 CALC-METHOD: AREA% TABLE: 8 CONC: AREA

NO.	RT	AREA	HEIGHT	PRT	BC	NAME
1	0.31	14905	1142	0.31	80	
4	0.84	322	64	0.84	TBU	
5	1.00	1000	226	1.00	TUB	
7	1.75	1706	272	1.75	TBU	
8	1.98	3518	501	1.98	TUU	
9	2.22	1694	229	2.22	TUB	
10	2.58	46606	2831	2.58	UU	
11	2.90	9494	1361	2.90	UU	
12	3.19	80922	3731	3.19	UU	
13	3.62	54387	3528	3.62	UU	
14	3.86	75546	3438	3.86	UU	
15	4.66	157838	4168	4.66	UU	
16	5.34	170028	4106	5.34	UU	
17	6.42	121901	3601	6.42	UU	
18	6.84	189154	3825	6.84	UU	
19	8.00	204000	3532	8.00	UU	
20	9.38	82878	2921	9.38	UU	
21	9.70	162495	2963	9.70	UU	
22	11.21	192592	3061	11.21	UU	
23	13.55	61170	836	13.55	UU	
24	16.04	20221	286	16.04	UU	
25	17.64	18899	289	17.64	UB	
26	21.56	18223	199	21.56	BB	
27	27.32	2184	43	27.32	BB	
TOTAL						

00049

1:10
2nd CA RICH 8554-005 - GP-2 6/7/91 6/11/91 303/20-1
CH. 1 C.S 5.00 ATT 2 OFFS 5 06/20/91 13:03



TEMP: ISO 200 C
4%SE30/6%SP2401
6FT:2MM ID ECD
TRACOR 222 A 1
METH'S 608 /5098 /8080 /8150

D-2000

06/20/91 13:03

SAMPLE: TAG: 241 CH: 1

FILE: 1 CALC-METHOD: AREA% TABLE: 0 CONC: AREA

NO.	RT	AREA	HEIGHT	RRT	BC	NAME
1	0.31	7091	1061	0.31	BU	
4	1.00	534	113	1.00	TUB	
6	1.75	894	137	1.75	TBU	
7	* 1.98	1655	229	1.98	TUU	
8	2.22	-774	104	2.22	TUB	
9	* 2.59	22533	1595	2.59	UU	
10	2.91	-4303	587	2.91	UU	
11	* 3.20	53319	2944	3.20	UU	
12	* 3.63	36266	2539	3.63	UU	
13	3.86	-43915	2424	3.86	UU	
14	* 4.66	120578	3729	4.66	UU	
15	* 5.36	124696	3569	5.36	UU	
16	* 6.44	77927	2639	6.44	UU	
17	* 6.85	125458	3031	6.85	UU	
18	* 8.13	120312	2497	8.13	UU	
19	* 9.50	50102	1626	9.50	UU	
20	9.71	-71587	1652	9.71	UU	
21	* 11.22	80556	1738	11.22	UU	
22	* 13.58	8915	222	13.58	BB	
23	* 16.01	2178	52	16.01	BB	
24	* 17.71	3981	81	17.71	BB	
25	21.66	5070	70	21.66	BB	

TOTAL

962649

32639

00050

1:10

2nd CARICH 8559-005 GP-2 6/7/91 6/11/91 309/20-1

Time:16:50:17

Date:THU 20 JUN 91

RECONSTRUCT SCREEN DUMP

Data Acquisition

Time:16:08:24

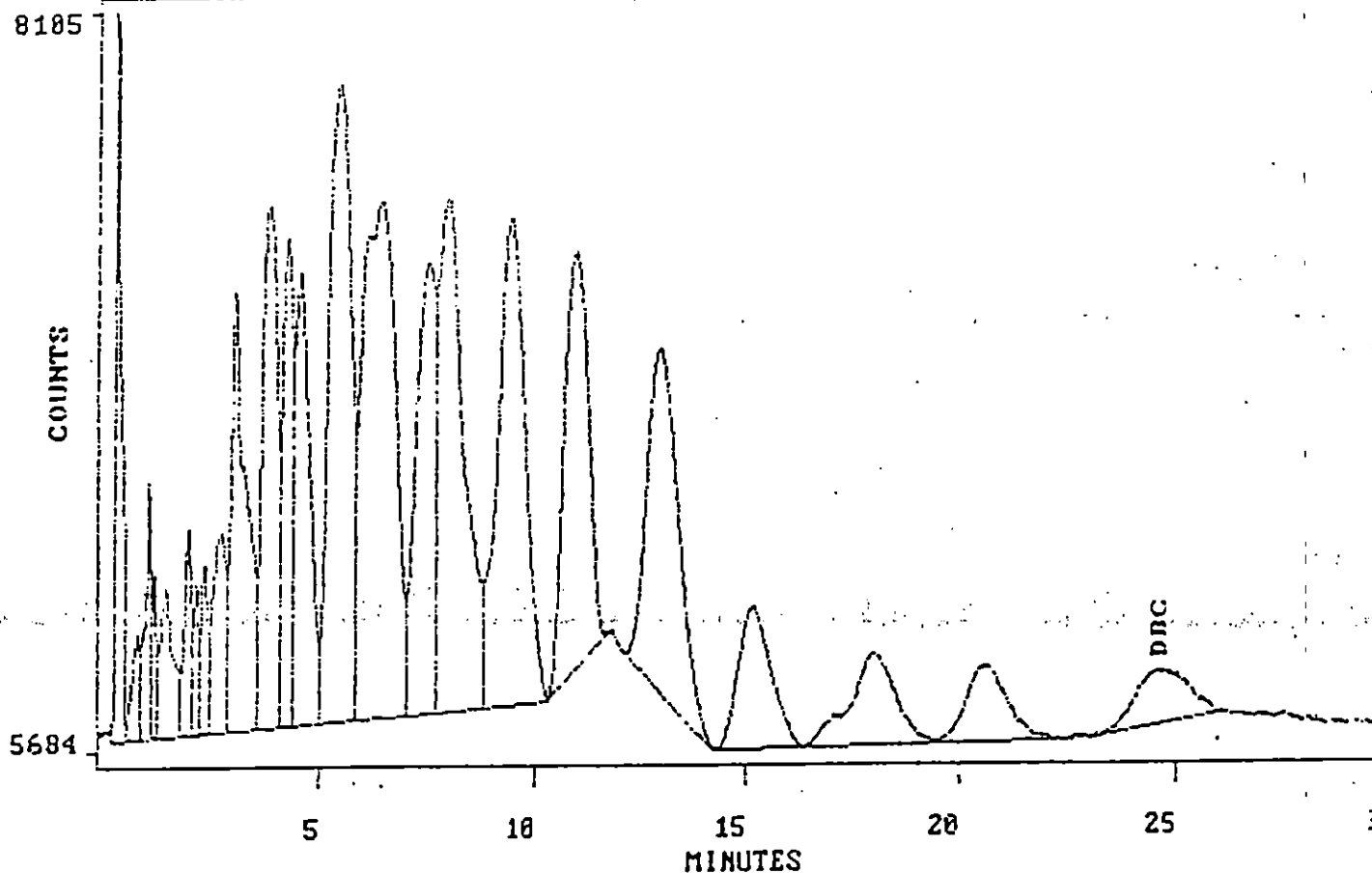
Date:THU 20 JUN 91

Method:A2

FILE: 1:N8559604

SCALE: 1

RANGE (MIN.): 8.82 TO 36.89



00051

VOLATILE ORGANICS: METHOD 601/602

Log In No.: 8559

Sample ID: TP-1
Lab Sample ID No.: 8559006
Sample Size: 5g
% Moisture: 21

Parameter(s)	Cas #	MDL (ug/kg)	Found (ug/kg)
--------------	-------	----------------	------------------

Bromodichloromethane	75-27-4	1.0	ND
Bromoforn	75-25-2	1.0	ND
Bromomethane	74-83-9	1.0	ND
Carbon Tetrachloride	56-23-5	1.0	ND
Chlorobenzene	108-90-7	1.0	ND
Chloroethane	75-00-3	1.0	ND
2-Chloroethylvinyl ether	100-75-8	1.0	ND
Chloroform	67-66-3	1.0	ND
Chloromethane	74-87-3	1.0	ND
Dibromochloromethane	124-48-1	1.0	ND
1,2-Dichlorobenzene	95-50-1	1.0	88 T
1,3-Dichlorobenzene	541-73-1	1.0	16 T
1,4-Dichlorobenzene	106-46-7	1.0	21 T
1,1-Dichloroethane	75-46-7	1.0	ND
1,2-Dichloroethane	107-06-2	1.0	ND
1,1-Dichloroethene	75-35-4	1.0	ND
trans-1,2-Dichloroethene	156-60-5	1.0	ND
1,2-Dichloropropane	78-87-5	1.0	ND
cis-1,3-Dichloropropene	10061-01-5	1.0	ND
trans-1,3-Dichloropropene	10061-02-5	1.0	ND
Methylene Chloride	75-09-2	1.0	28 T
1,1,2,2-Tetrachloroethane	79-34-5	1.0	ND
1,1,2,2-Tetrachloroethene	127-18-4	1.0	14 T
1,1,1-Trichloroethane	71-55-6	1.0	ND
1,1,2-Trichloroethane	79-00-5	1.0	ND
Trichloroethene	79-01-6	1.0	ND
Trichlorofluoromethane	75-69-4	1.0	ND
Vinyl Chloride	75-01-4	1.0	ND
Benzene	71-43-2	1.0	ND
Toluene	108-88-3	1.0	3 T
Ethyl Benzene	100-41-4	1.0	ND
Xylenes (Total)	-	1.0	6 T

18-P

MYTEST ENVIRONMENTAL INC.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE MATRIX: SOIL
 CONC. LEVEL: LOW
 EXTRACTION DATE: 6/11/91
 ANALYSIS DATE: 6/12/91

SAMPLE ID: TP-1
 LAB ID: 8559006
 DIL FACTOR: 5.00
 % MOISTURE: 21

UG/KG				UG/KG			
CMPD #	CAS Number	BASE NEUTRAL COMPOUNDS	(DRY BASIS)	CMPD #	CAS Number	BASE NEUTRAL/PAH COMPOUNDS	(DRY BASIS)
1	111-44-4	bis(2-Chloroethyl)ether	NA	42	91-20-3	Naphthalene	60000.0 T.
2	541-73-1	1,3-Dichlorobenzene	NA	43	208-96-8	Acenaphthylene	2100.0 U.
3	106-46-7	1,4-Dichlorobenzene	NA	44	83-32-9	Acenaphthene	1300.0 J.
4	95-50-1	1,2-Dichlorobenzene	NA	45	86-73-7	Fluorene	1800.0 J.
5	39638-32-9	bis(2-chloroisopropyl)ether	NA	46	85-01-8	Phenanthrene	1200.0 J.
6	621-64-7	N-Nitroso-Di-n-Propylamine	NA	47	120-12-7	Anthracene	190.0 J.
7	67-72-1	Hexachloroethane	NA	48	206-44-0	Fluoranthene	2100.0 U.
8	98-95-3	Nitrobenzene	NA	49	129-00-0	Pyrene	2100.0 U.
9	78-59-1	Isophorone	NA	50	56-55-3	Benzo(a)Anthracene	2100.0 U.
10	111-91-1	bis(2-chloroethoxy)Methane	NA	51	218-01-9	Chrysene	2100.0 U.
11	120-82-1	1,2,4-Trichlorobenzene	NA	52	205-99-2	Benzo(b)Fluoranthene	2100.0 U.
12	106-47-8	4-Chloroaniline	NA	53	207-08-9	Benzo(k)Fluoranthene	2100.0 U.
13	87-68-3	Hexachlorobutadiene	NA	54	50-32-8	Benzo(a)Pyrene	2100.0 U.
14	91-57-6	2-Methylnaphthalene	NA	55	193-39-5	Indeno(1,2,3-cd)Pyrene	2100.0 U.
15	77-47-4	Hexachlorocyclopentadiene	NA	56	53-70-3	Dibenz(a,h)Anthracene	2100.0 U.
16	91-58-7	2-Chloronaphthalene	NA	57	191-24-2	Benzo(g,h,i)Perylene	2100.0 U.
17	88-74-4	2-Nitroaniline	NA	58			
18	131-11-3	Dimethyl Phthalate	NA	59			
19	99-09-2	3-Nitroaniline	NA	60			
20	132-64-9	Dibenzofuran	NA			ACID COMPOUNDS	
21	121-14-2	2,4-Dinitrotoluene	NA				
22	606-20-2	2,6-Dinitrotoluene	NA	61	108-95-2	Phenol	NA
23	84-66-2	Diethylphthalate	NA	62	95-57-8	2-Chlorophenol	NA
24	7005-72-3	4-Chlorophenyl-phenylether	NA	63	100-51-6	Benzyl Alcohol	NA
25	100-01-6	4-Nitroaniline	NA	64	95-48-7	2-Methylphenol	NA
26	86-30-6	N-Nitrosodiphenylamine	NA	65	106-44-5	4-Methylphenol	NA
27	101-55-3	4-Bromophenyl-phenylether	NA	66	88-75-5	2-Nitrophenol	NA
28	118-74-1	Hexachlorobenzene	NA	67	105-67-9	2,4-Dimethylphenol	NA
29	84-74-2	Di-n-Butylphthalate	NA	68	65-85-0	Benzoic Acid	NA
30	85-68-7	Butylbenzylphthalate	NA	69	120-83-2	2,4-Dichlorophenol	NA
31	91-94-1	3,3'-Dichlorobenzidine	NA	70	59-50-7	4-Chloro-3-Methylphenol	NA
32	117-81-7	bis(2-Ethylhexyl)Phthalate	NA	71	88-6-2	2,4,6-Trichlorophenol	NA
33	11784-0	Di-n-Octyl Phthalate	NA	72	95-95-4	2,4,5-Trichlorophenol	NA
34	62-75-9	N-Nitrosodimethylamine	NA	73	51-28-5	2,4-Dinitrophenol	NA
35	62-53-3	Aniline	NA	74	100-02-7	4-Nitrophenol	NA
36	92-87-5	Benzidine	NA	75	534-52-1	4,6-Dinitro-2-Methylphenol	NA
37		Dioxin (Screen)	NA	76	87-86-5	Pentachlorophenol	NA
38				77			
39				78			
40				79			
41				80			

00053

1 D-T

NYTEST ENVIRONMENTAL INC.

TCL PESTICIDE/PCB ORGANICS ANALYSIS DATA SHEET

SAMPLE MATRIX: SOIL
 CONC. LEVEL: LOW
 EXTRACTION DATE: 6/11/91
 ANALYSIS DATE: 6/20/91

SAMPLE ID: TP-1
 LAB SAMPLE ID: 8559006
 DIL FACTOR: 3.00
 % MOISTURE: 21

CPD #	CAS Number	PESTICIDE/PCB COMPOUND	UG/KG (DRY BASIS)
1	319-84-6	Alpha-BHC	NA
2	319-85-7	Beta-BHC	NA
3	319-86-8	Delta-BHC	NA
4	58-89-9	Gamma-BHC(Lindane)	NA
5	76-44-8	Heptachlor	NA
6	309-00-2	Aldrin	NA
7	1024-57-3	Heptachlor Epoxide	NA
8	959-98-8	Endosulfan I	NA
9	60-57-1	Dieldrin	NA
10	72-55-9	4,4'-DDE	NA
11	70-20-8	Endrin	NA
12	33213-65-9	Endosulfan II	NA
13	72-54-8	4,4-DDO	NA
14	1031-07-8	Endosulfan Sulfate	NA
15	50-29-3	4,4'-DDT	NA
16	53494-70-5	Endrin Ketone	NA
17	72-43-5	Methoxychlor	NA
18	57-74-9	Chlordane	NA
19	8001-35-2	Toxaphene	NA
20	12674-11-2	Aroclor-1016	300.000 U.
21	11104-28-2	Aroclor-1221	300.000 U.
22	11141-16-5	Aroclor-1232	300.000 U.
23	53469-21-9	Aroclor-1242	300.000 U.
24	12672-29-6	Aroclor-1248	300.000 U.
25	11097-69-1	Aroclor-1254	608.000 U.
26	11096-82-5	Aroclor-1260	608.000 U.

00054

Chromatogram

Sample Name : 8559-886

Sample #: TP-1

Page 1 of 1

FileName : c:\2700\data2\PJ11819.raw

Date : 6/12/91 05:52 AM

Start Time : 0.00 min

End Time : 38.00 min

Low Point : -157.29 mV

High Point : 3298.69 mV

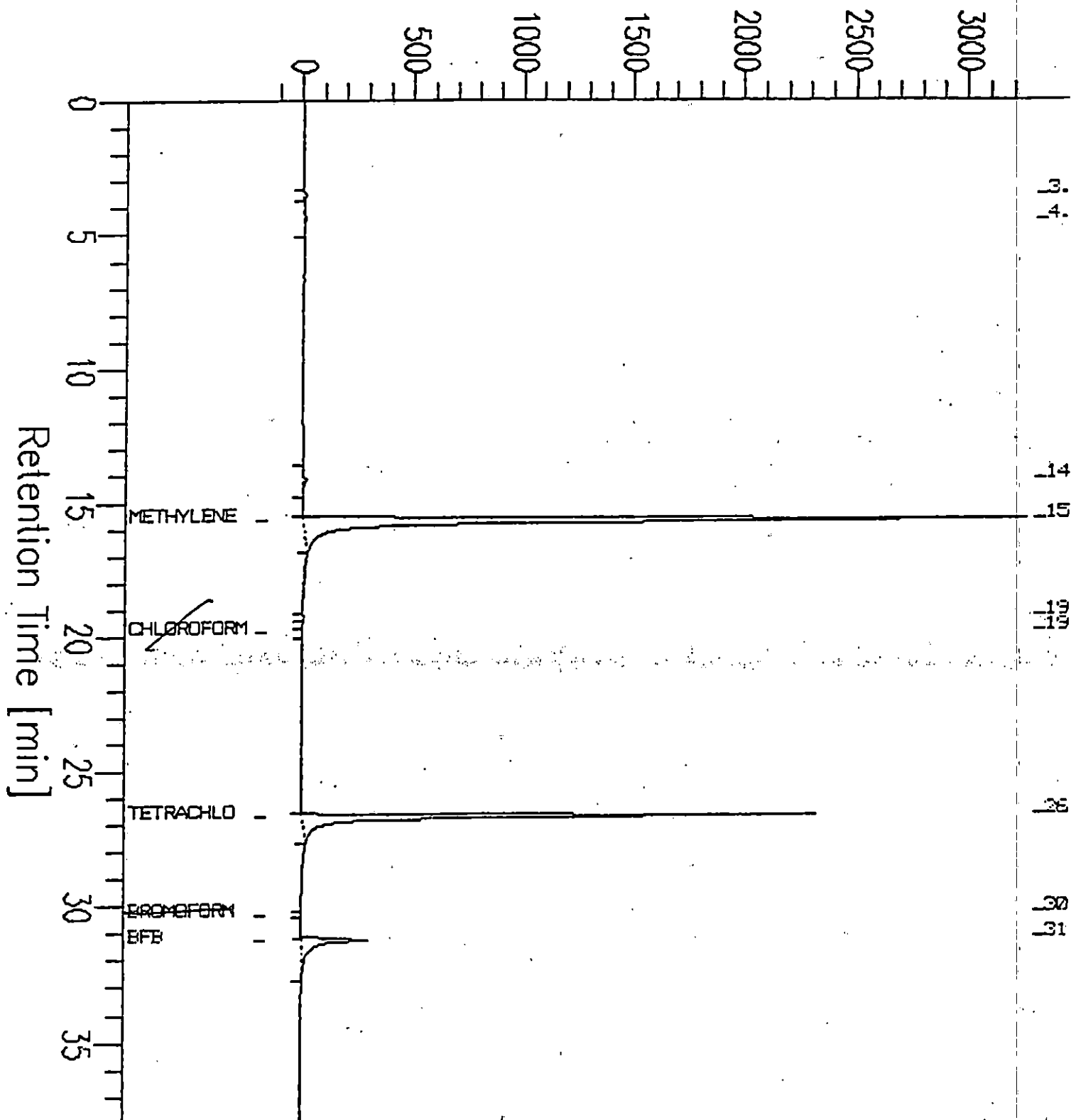
Scale Factor: 1

Plot Offset: -157 mV

Plot Scale: 3456 mV

C.A. Reich 6/7/91

A Response [mV]



00055

Chromatogram

Sample Name : 8559-886

FileName : c:\2780\data\8559-886.raw

Start Time : 8.88 min

Scale Factor: 1

End Time : 38.88 min

Plot Offset: 8 mV

Sample #: 7P-1

Date : 6/12/91 08:51 AM

Low Point : 9.31 mV

Plot Scale: 181 mV

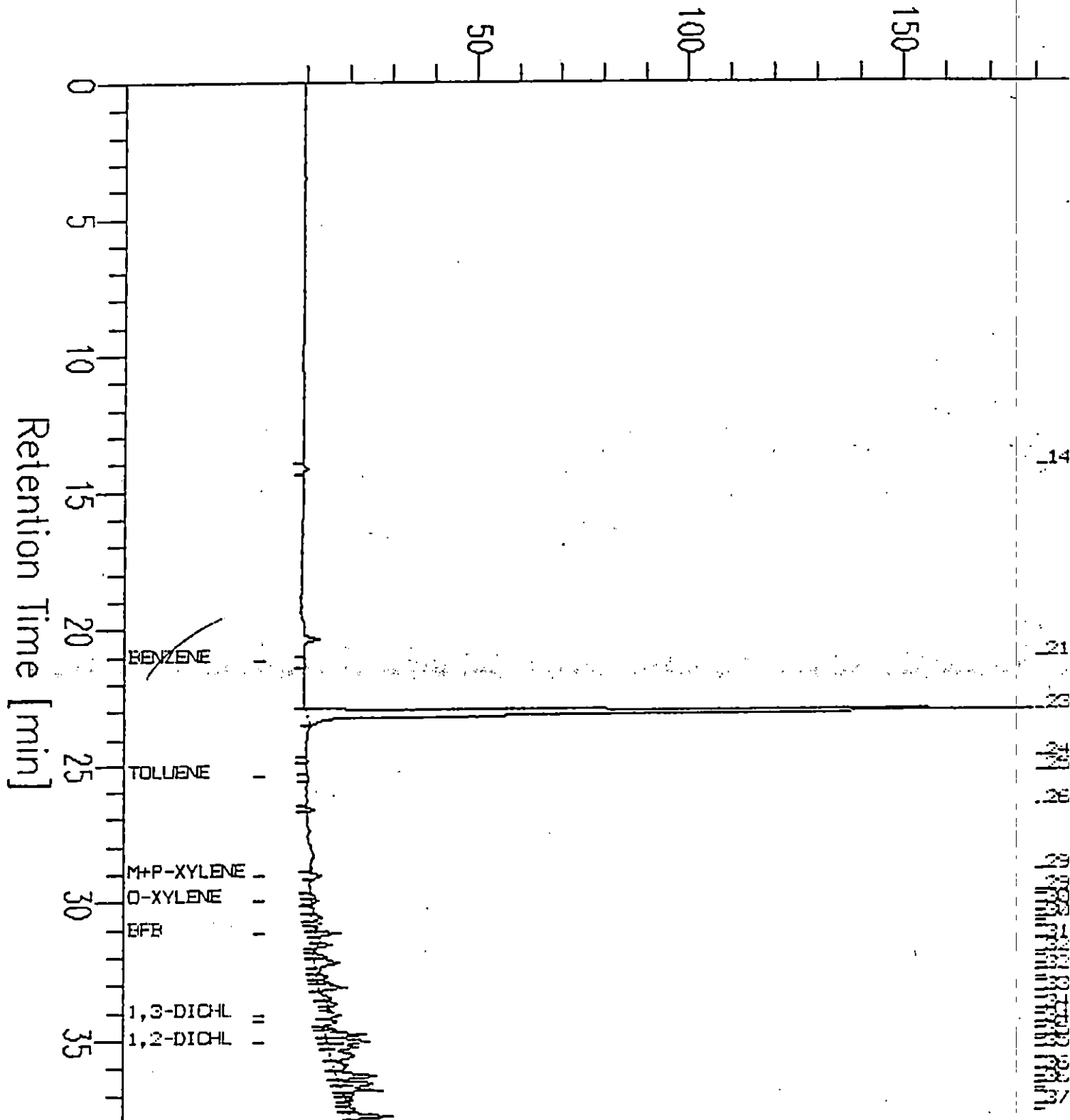
Page 1 of 1

High Point : 188.87 mV

CA. Rich 6/7/91

B

Response [mV]



00056

5g C.A. Rich 8559-006 TP-1

* RUN # 719

JUN 13, 1991 21:47:29

START

2.950 *Methylene chloride*
3.450

6.694

TETRACHLOROETHENE
17.831

BFB
25.819

TIMETABLE STOP

RUN# 719

JUN 13, 1991 21:47:29

AREA%

RT	AREA	TYPE	WIDTH	AREA%
2.950	362171	PP	.225	2.16130
3.450	6400350	FB	.141	52.78240

00057

TP-1



JUN/13/91 21:44:09

RT
2.24
5.74

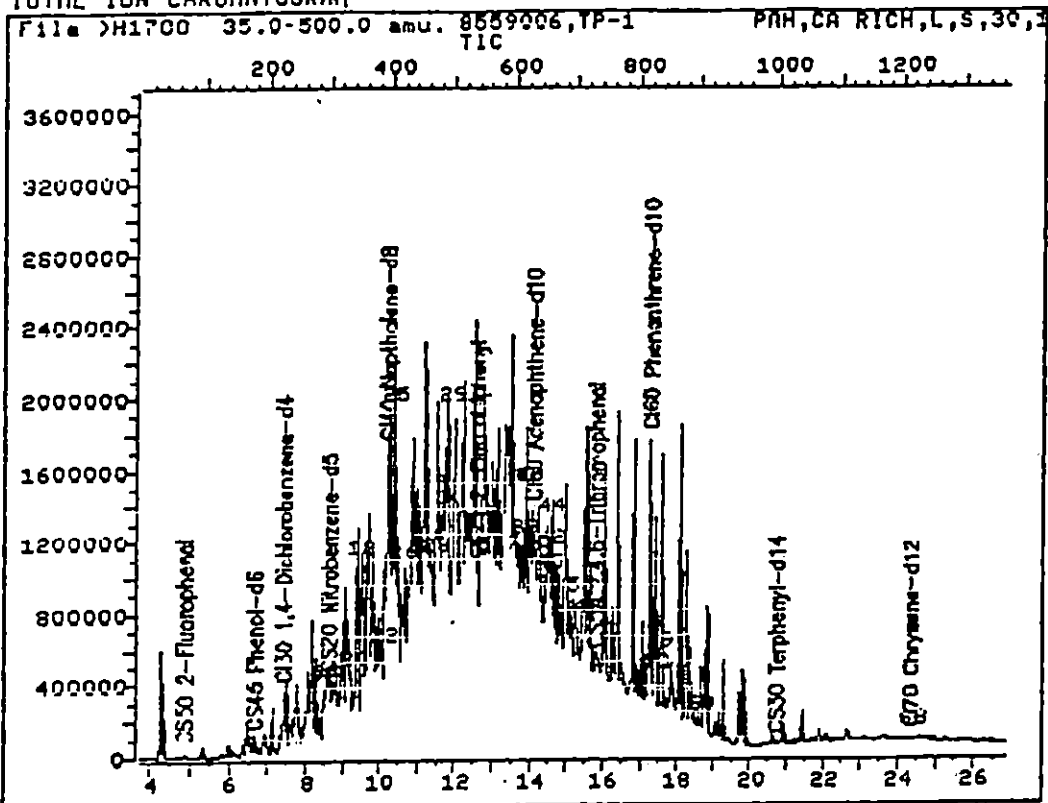
121357
26623

0 227
0 323

9.037
9.033

00058

TOTAL ION CHROMATOGRAM



Data File: >H1788::D1

Quant Output File: ^H1788::QT

Name: 8559006,TP-1

Misc: PAH,CA RICH,L,S,30,1,D5,%21,R6/7,E6/11,INST:HPH

BTL# 9

Id File: CLPH1::AQ

Title: ACID,BASE & NEUTRALS CLP COMPOUNDS

Last Calibration: 910612 09:46

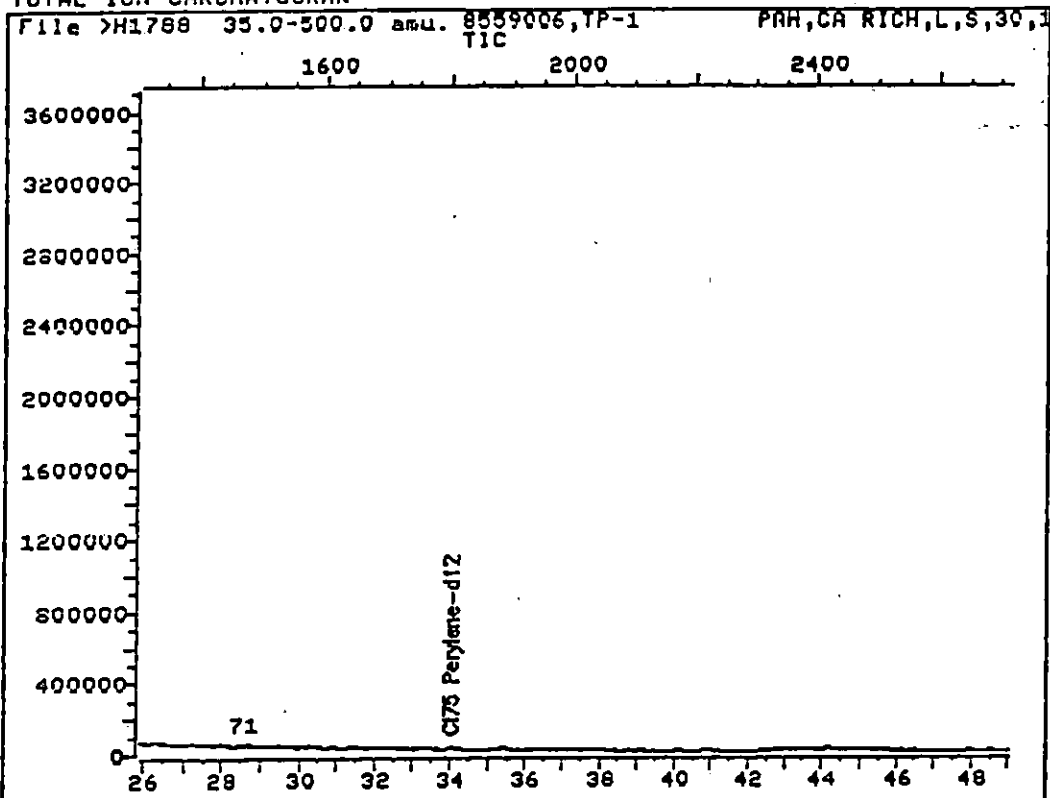
Operator ID: NYTEST1

Quant Time: 910612 19:22

Injected at: 910612 18:30

TIC page 1 of 2

TOTAL ION CHROMATOGRAM



Data File: >H1788::D1

Quant Output File: ^H1788::QT

Name: 8559006,TP-1

Misc: PAH,CA RICH,L,S,30,1,D5,%21,R6/7,E6/11,INST:HPH

BTL# 9

Id File: CLPH1::AQ

Title: ACID,BASE & NEUTRALS CLP COMPOUNDS

Last Calibration: 910612 09:46

Operator ID: NYTEST1

Quant Time: 910612 19:22

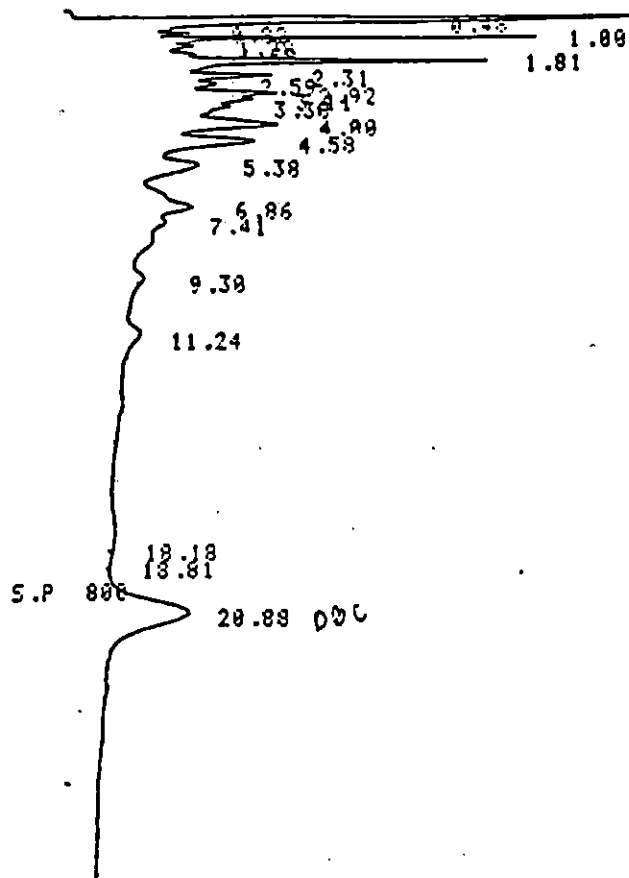
Injected at: 910612 18:30

TIC page 2 of 2

00060

1 2
 3rd C.A. RICH 8559-006 TP-1 6/17/91 6/11/91 707/120-1

CH. 1 C.S 5.00 ATT 1 OFFS 5 06/19/91 18:23



TEMP: ISO 200 C
 4%SE30/6%SP2401
 6FT:2MM ID ECD
 TRACOR 222 A 1
 METH'S 608 /5098 /8080 /8150

D-2990 06/19/91 18:23

SAMPLE: TAG: 235 CH: 1

FILE: 1 CALC-METHOD: AREA% TABLE: 0 CONC: AREA

NO.	RT	AREA	HEIGHT	RRT	BC	NAME
1	0.32	48687	2498	0.32	BU	
2	0.48	423	233	0.48	T88	
4	1.00	3748	814	1.00	T8U	
5	1.28	834	79	1.28	TUU	
6	1.58	712	85	1.58	TUU	
7	1.81	7864	711	1.81	TUU	
8	2.31	2982	256	2.31	TUU	
9	2.59	2151	139	2.59	TUU	
10	2.92	3360	271	2.92	TUU	
11	3.11	2785	220	3.11	TUU	
12	3.38	3599	175	3.38	TUU	
13	4.00	6569	279	4.00	TUU	
14	4.58	5802	232	4.58	TUU	
15	5.38	3312	117	5.38	TUR	
16	6.86	1773	67	6.86	BU	
17	7.41	609	18	7.41	T88	
18	9.30	611	24	9.30	88	
19	11.24	1278	31	11.24	88	
20	18.18	481	11	18.18	88	
22	20.88	10907	174	20.88	88	
TOTAL		108487	6434			

PEAK PEJ : 299

00061

1:3

3rd C.A. RICH 8559-006 TP-1 6/7/91 6/11/91 305/20~1

Time:14:49:40

Date:THU 20 JUN 91

RECONSTRUCT SCREEN DUMP

Data Acquisition

Time:13:46:26

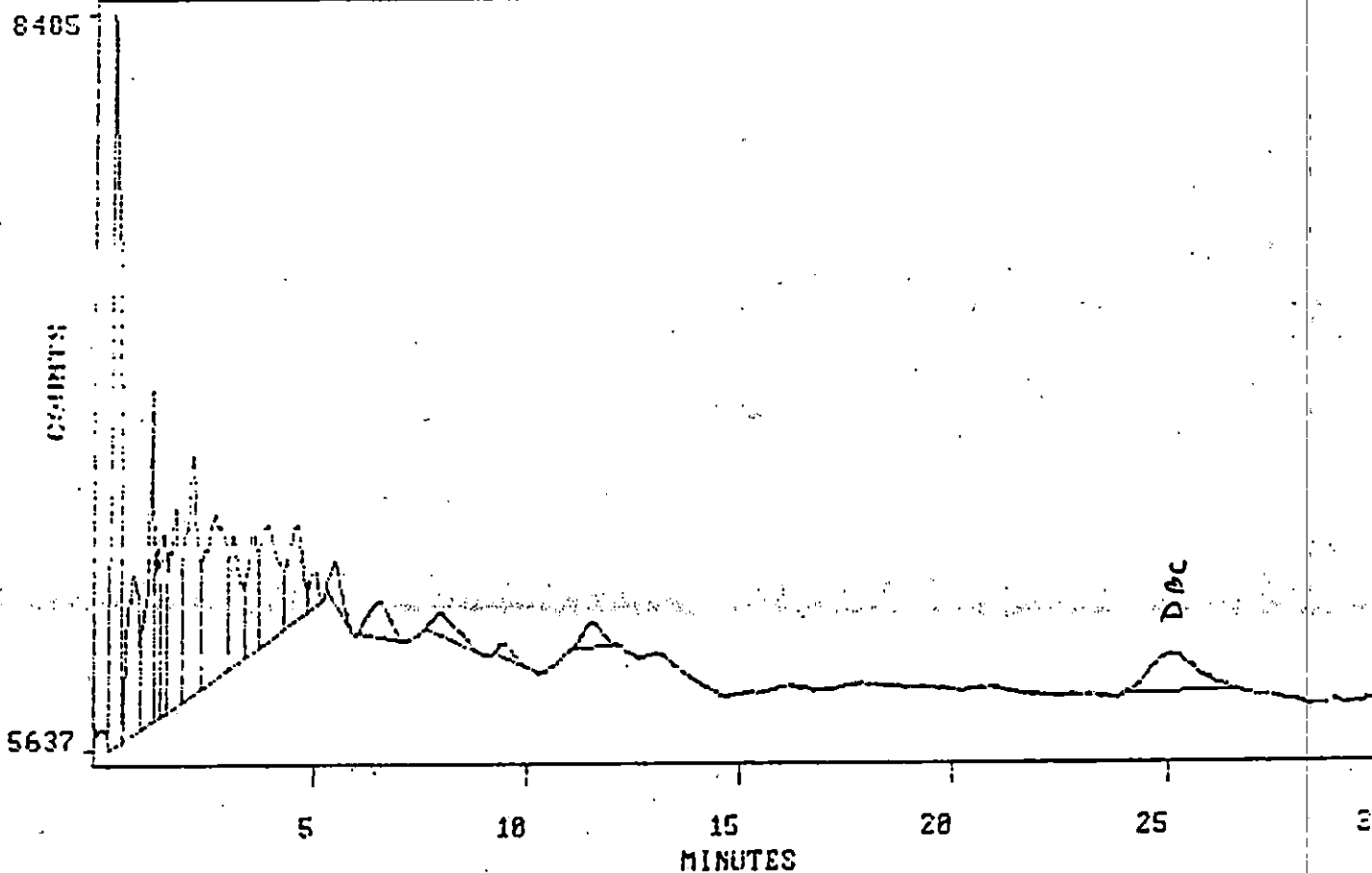
Date:THU 20 JUN 91

Method:A2

FILE: 1:N8559881

SCALE: 1

RANGE (MIN.): 8.82 TO 36.82



00062

VOLATILE ORGANICS: METHOD 601/602

Sample ID: TP-2
 Lab Sample ID No.: 8559007
 Sample Size: 5g
 % Moisture: 27

Log in No.: 8559

Parameter(s)	Cas #	MDL (ug/kg)	Found (ug/kg)
Bromodichloromethane	75-27-4	1.0	ND
Bromoform	75-25-2	1.0	ND
Bromomethane	74-83-9	1.0	ND
Carbon Tetrachloride	56-23-5	1.0	ND
Chlorobenzene	108-90-7	1.0	ND
Chloroethane	75-00-3	1.0	ND
2-Chloroethylvinyl ether	100-75-8	1.0	ND
Chloroform	67-66-3	1.0	ND
Chloromethane	74-87-3	1.0	ND
Dibromochloromethane	124-48-1	1.0	ND
1,2-Dichlorobenzene	95-50-1	1.0	1900 T
1,3-Dichlorobenzene	541-73-1	1.0	1000 T
1,4-Dichlorobenzene	106-46-7	1.0	270 T
1,1-Dichloroethane	75-46-7	1.0	ND
1,2-Dichloroethane	107-06-2	1.0	ND
1,1-Dichloroethene	75-35-4	1.0	ND
trans-1,2-Dichloroethene	156-60-5	1.0	ND
1,2-Dichloropropane	78-87-5	1.0	ND
cis-1,3-Dichloropropene	10061-01-5	1.0	ND
trans-1,3-Dichloropropene	10061-02-5	1.0	ND
Methylene Chloride	75-09-2	1.0	30 T
1,1,2,2-Tetrachloroethane	79-34-5	1.0	ND
Tetrachloroethene	127-18-4	1.0	ND
1,1,1-Trichloroethane	71-55-6	1.0	ND
1,1,2-Trichloroethane	79-00-5	1.0	ND
Trichloroethene	79-01-6	1.0	ND
Trichlorofluoromethane	75-69-4	1.0	ND
Vinyl Chloride	75-01-4	1.0	ND
Benzene	71-43-2	1.0	ND
Toluene	108-88-3	1.0	13 T
Ethyl Benzene	100-41-4	1.0	72 T
Xylenes (Total)	-	1.0	310 T

3170

00063

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CMPD #	CAS Number	BASE NEUTRAL COMPOUNDS	(DRY BASIS)
UG/KG			
SAMPLE ID:	SOIL		
LAB ID:	CONC. LEVEL:	LOW	
DIL FACTOR:	EXTRACTION DATE:	6/11/91	
% MOISTURE:	ANALYSIS DATE:	6/13/91	
TP-2			
8559007			
5.00			
27			
UG/KG			
CMPD #	CAS Number	NEUTRAL/PAH COMPOUNDS (DRY BASIS)	

[illegible]

1 D-T
NYTEST ENVIRONMENTAL INC.

TCL PESTICIDE/PCB ORGANICS ANALYSIS DATA SHEET

SAMPLE MATRIX: SOIL
CONC. LEVEL: LOW
EXTRACTION DATE: 6/11/91
ANALYSIS DATE: 6/20/91

SAMPLE ID: TP-2
LAB SAMPLE ID: 8559007
DIL FACTOR: 2000.00
% MOISTURE: 27

CMPD #	CAS Number	PESTICIDE/PCB COMPOUND	UG/KG
			(DRY BASIS)
1	319-84-6	Alpha-BHC	NA
2	319-85-7	Beta-BHC	NA
3	319-86-8	Delta-BHC	NA
4	58-89-9	Gamma-BHC(Lindane)	NA
5	76-44-8	Heptachlor	NA
6	309-00-2	Aldrin	NA
7	1024-57-3	Heptachlor Epoxide	NA
8	959-98-8	Endosulfan I	NA
9	60-57-1	Dieldrin	NA
10	72-55-9	4,4'-DDE	NA
11	70-20-8	Endrin	NA
12	33213-65-9	Endosulfan II	NA
13	72-54-8	4,4-DDD	NA
14	1031-07-8	Endosulfan Sulfate	NA
15	50-29-3	4,4'-DDT	NA
16	53494-70-5	Endrin Ketone	NA
17	72-43-5	Methoxychlor	NA
18	57-74-9	Chlordane	NA
19	8001-35-2	Toxaphene	NA
20	12674-11-2	Aroclor-1016	2000000.000 T.
21	11104-28-2	Aroclor-1221	220000.000 U.
22	11141-16-5	Aroclor-1232	220000.000 U.
23	53469-21-9	Aroclor-1242	220000.000 U.
24	12672-29-6	Aroclor-1248	220000.000 U.
25	11097-69-1	Aroclor-1254	670000.000 T.
26	11096-82-5	Aroclor-1260	440000.000 U.

Chromatogram

Sample Name : 8559-887

FileName : c:\2708\data2\PJ11828.raw

Start Time : 0.00 min

Scale Factor: 1

End Time : 38.00 min

Plot Offset: -158 mV

Sample #: TP-2

Date : 6/12/91 06:47 AM

Low Point : -157.72 mV

Plot Scale: 3467 mV

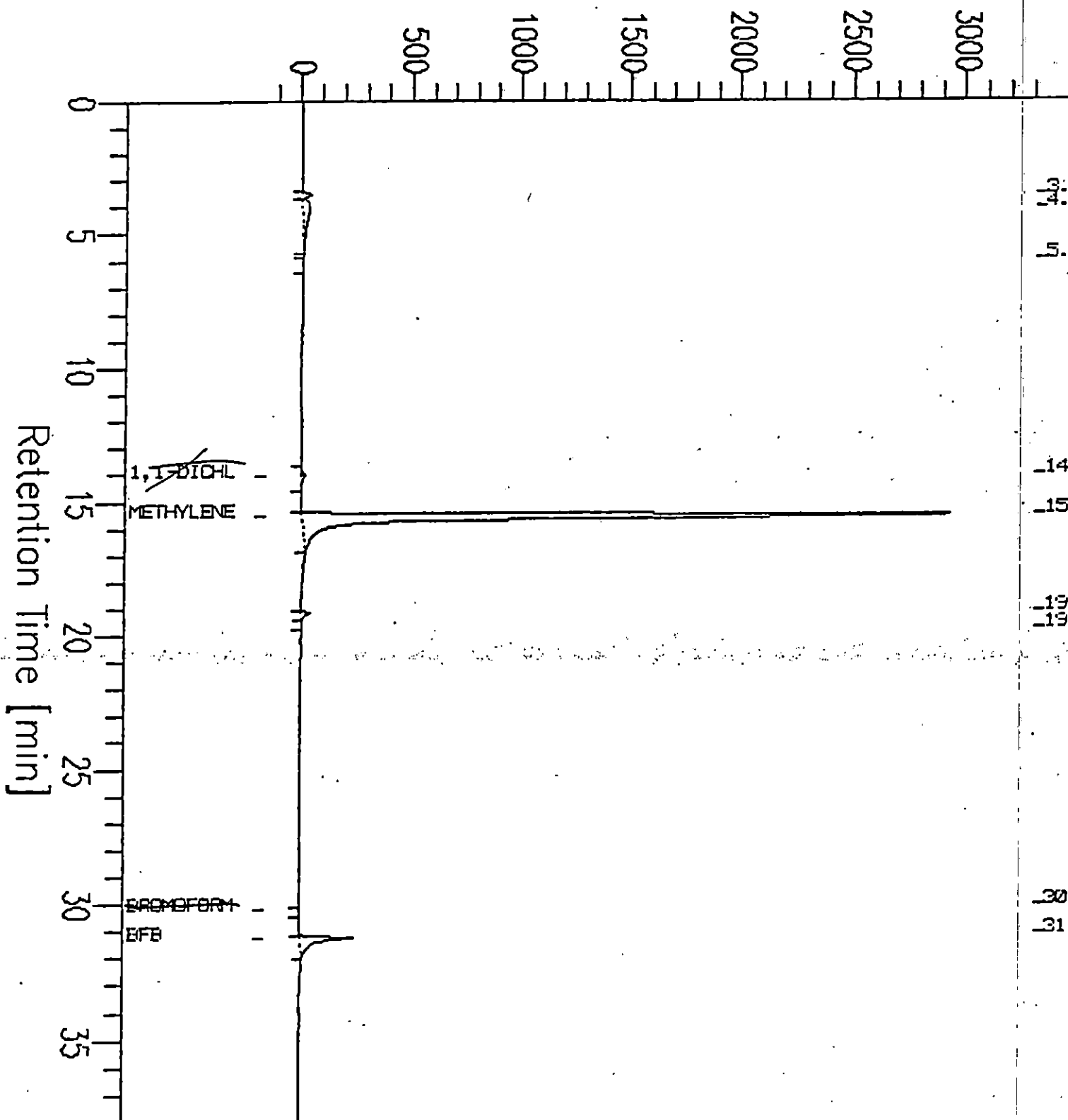
Page 1 of 1

High Point : 3389.33 mV

C.A. Reick 6/7/91

A

Response [mV]



00066

Chromatogram

Sample Name : 8559-887

FileName : c:\2788\data\QJ11828.raw

Start Time : 0.00 min

Scale Factor: 1

End Time : 38.00 min

Plot Offset: -8 mV

Sample #: TP-2

Date : 6/12/91 08:52 AM

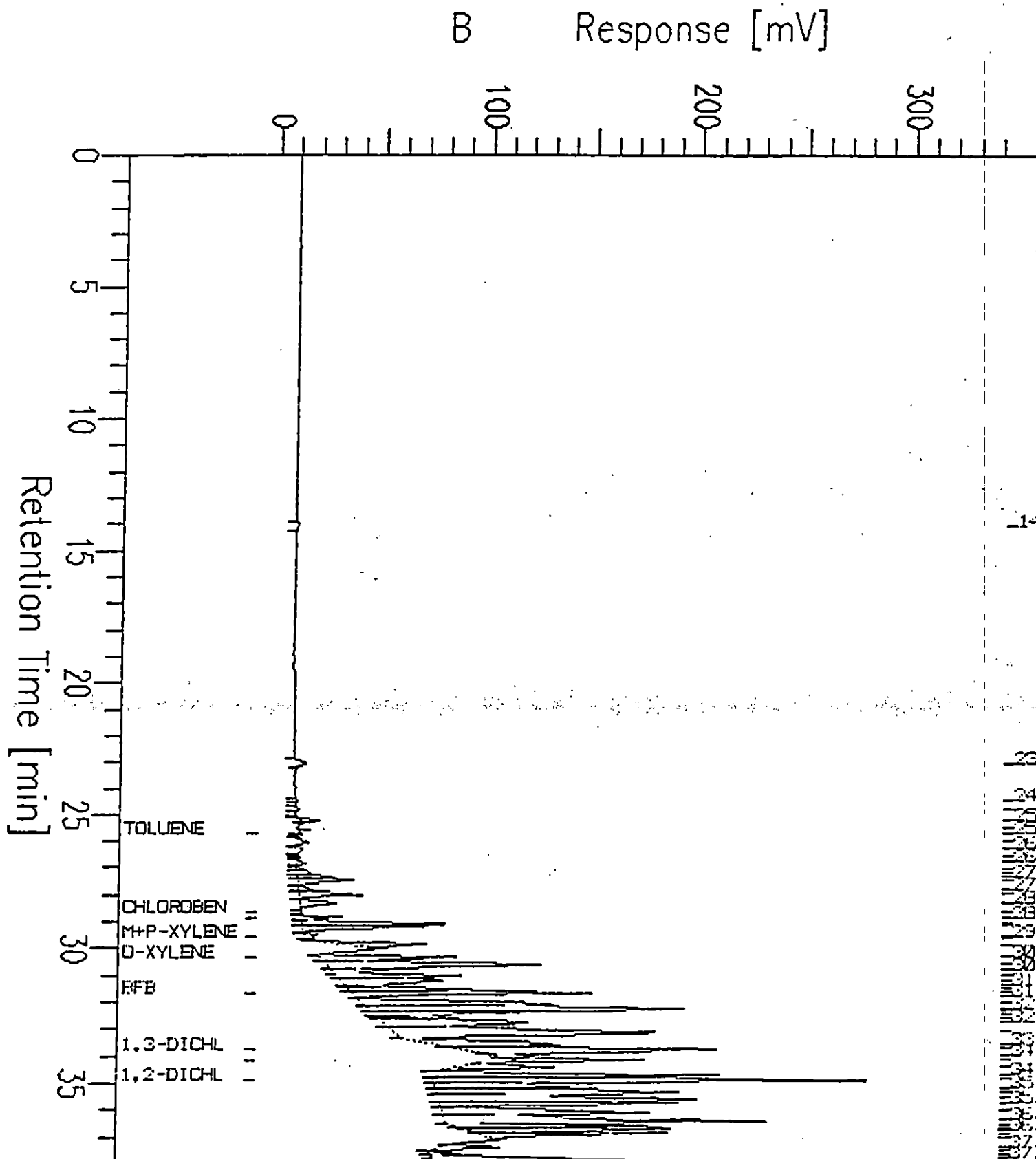
Low Point : -7.83 mV

Plot Scale: 351 mV

Page 1 of 1

High Point : 343.53 mV

C. A. Rich 6/7/91



100 ul C.A. Rich 8559-007, TP 2

* RUN # 755

JUN 19, 1991 02:34:45

START

2.886

3.408

Methylene chloride

25.813

TINETABLE STOP

RUN# 755

JUN 19, 1991 02:34:45

AREA#

RT

AREA TYPE

WIDTH

AREA#

2.886

770075

PP

.230

12.55892

3.408

335022

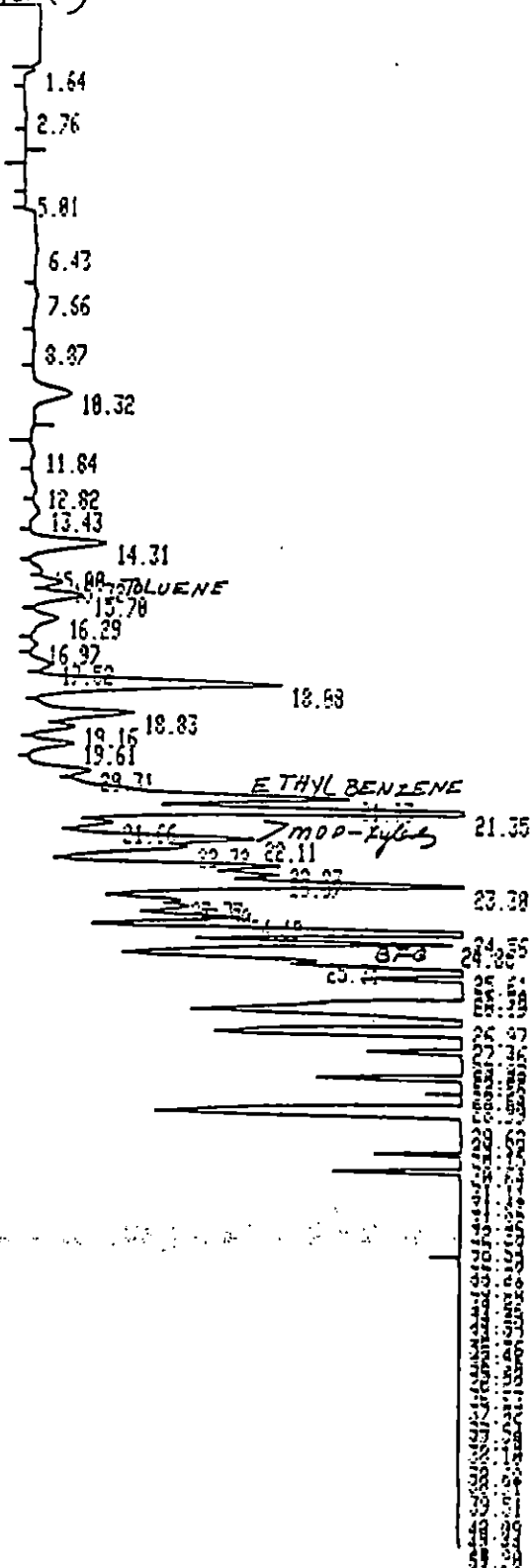
PP

.100

12.55892

00068

100ul CA Reale 859-001
(4g/100ul) TP-2



1.32x3
1.42x3
1.22x3

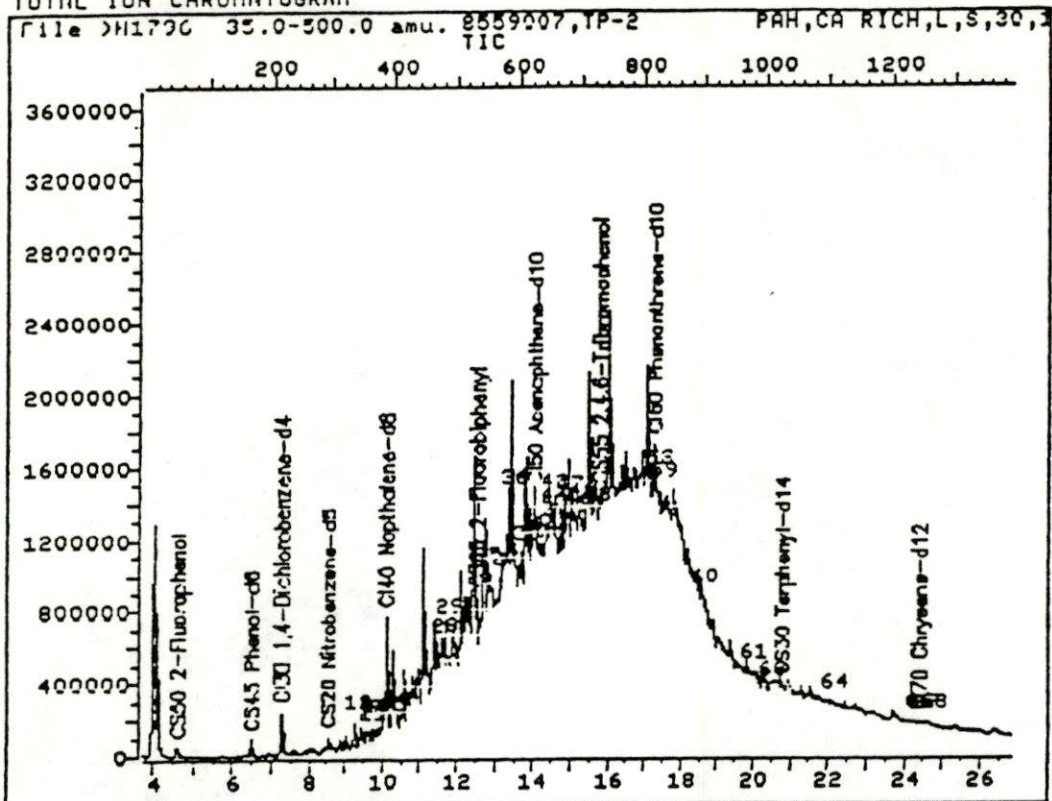
RUN # 778

JUN/19/91 08:34:32

AREA%	RT	AREA	TYPE	AR/INT	AREA%
	2.76	6664	PV	0.414	0.003
	6.43	137880	PV	1.562	0.067
	7.66	59845	VV	0.828	0.029
	8.87	29670	VV	0.930	0.015
	10.32	120060	VI	0.489	0.053

00069

TOTAL ION CHROMATOGRAM



Data File: >H1796::D1

Quant Output File: ^H1796::QT

Name: 8559007,TP-2

Misc: PAH,CA RICH,L,S,30,1,D5,%27,R6/7,E6/11,INST:HPH

BTL#10

Id File: CLPH1::AQ

Title: ACID,BASE & NEUTRALS CLP COMPOUNDS

Last Calibration: 910613 10:06

Operator ID: NYTEST1

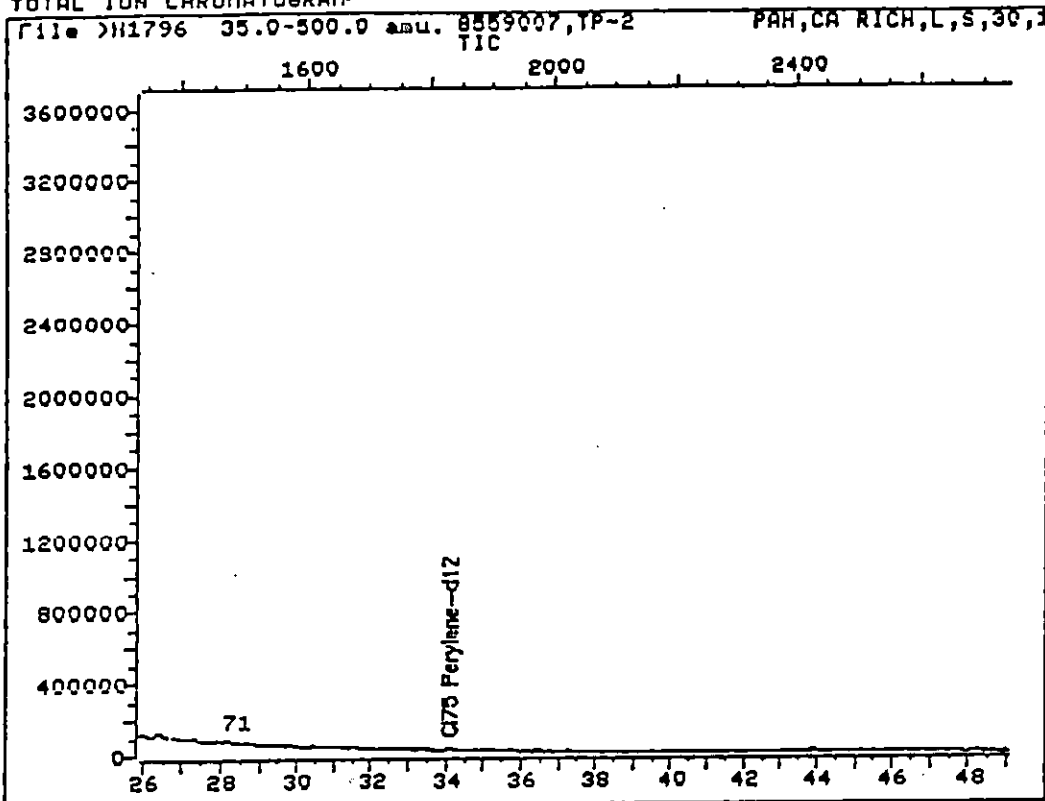
Quant Time: 910613 11:39

Injected at: 910613 10:46

TIC page 1 of 2

00070

TOTAL ION CHROMATOGRAM



Data File: >H1796::D1

Quant Output File: ^H1796::QT

Name: 8559007,TP-2

Misc: PAH,CA RICH,L,S,30,1,D5,%27,R6/7,E6/11,INST:HPH

BTL#10

Id File: CLPH1::AQ

Title: ACID,BASE & NEUTRALS CLP COMPOUNDS

Last Calibration: 910613 10:06

Operator ID: NYTEST1

Quant Time: 910613 11:39

Injected at: 910613 10:46

TIC page 2 of 2

00071

APPENDIX C

PERTINENT CORRESPONDENCE

THOMAS & GULOTT
COUNTY CLERK



GEORGE F. ROCKY, N.D., M.P.H.
COMMISSIONER

NASSAU COUNTY
DEPARTMENT OF HEALTH

240 OLD COUNTRY ROAD
MINEOLA, N.Y. 11501-4260

May 16, 1991

Barry S. Cohen
McMillan, Rather, Bennett & Rigano, P.C.
395 North Service Road
Melville, N.Y. 11747

Re: Meadowbrook Realty Company
Property at
425 Merrick Avenue
Nestbury, N.Y.

Dear Mr. Cohen:

Records from this Department indicate that your client, Meadowbrook realty Company, is the owner of the property at 425 Merrick Avenue in Westbury, N.Y.

On April 19, 1991 and April 30, 1991, representatives of this Department made inspections of the buildings and property at the above referenced site. During those inspections, numerous containers and tanks of toxic and hazardous chemicals and materials were noted throughout the buildings and property, as well as what appeared to be surficial spillage on the ground around several containers. The continued storage of toxic and hazardous materials at an abandoned facility is a violation of Article XI, Section 9.2.8. of the Nassau County Public Health Ordinance. To correct this violation you must:

1. Inventory all materials in tanks and containers, define all areas of spillage and contract with a licensed chemical waste transporter to have these materials removed.
2. Provide this office with a copy of the inventory as soon as possible after it has been completed.
3. As soon as a licensed disposal site is secured, have the materials removed and provide this Department with a copy of the waste manifests indicating proper disposal.
4. In the event sampling indicates asbestos is present, a licensed, certified contractor will be required to properly remove these materials.

SENT BY:

5-21-91 : 5:17PM

MRB&R

5166743901: # 3 / 4

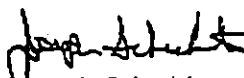
Barry S. Cohen
McMillan, Rather, Bennett
Rigano, P.C.

May 16, 1991
Page 2

It is this Department's understanding, that the site has been secured with fencing and twenty four hour security provided to prevent unauthorized entry. In addition, C.A. Rich Consultants, Inc. has been contracted to coordinate consolidation and characterization of all drums, lab chemicals, and containers as well as all remedial and disposal activities at the site. In addition, he will be completing a characterization of above and below ground tanks for subsequent disposal and/or appropriate registration. As of May 13, 1991, your consultant mobilized personnel and equipment to the site, and began lab packing of laboratory chemicals, and staging of containers for sampling and characterization for subsequent disposal analysis.

If you have any questions concerning this matter, please contact me at 535-2406.

Very truly yours.



Joseph Schechter
Chief
Office of Groundwater Protection
Bureau of Land Resources Management

JS: sb
cc: Robert Becherer - KYSDEC - Stony Brook
David Keegan

SENT BY:

5-21-91 : 5:17PM :

NRK:K

5106743901: # 4 / 4

McMILLAN, RATHER, BENNETT & RIGANO, P.C.

CORPORATE CENTER
395 NORTH SERVICE ROAD
MELVILLE, NEW YORK 11747

LESLIE A. BENNETT
WILLIAM CORNACHIO
ROBERT R. McMILLAN
JAMES B. RATHER
JAMES P. RIGANO

TELEPHONE:
(516) 894-8000
TELECOPIER:
(516) 894-2100

June 14, 1991

Certified Mail:
Return Receipt Requested

Mr. Joseph Schechter
Chief
Office of Groundwater Protection
Bureau of Land Resources Management
Nassau County Department of Health
240 Old Country Road
Mineola, New York 11501-4250

Re: 425 Merrick Avenue, Westbury, New York

Dear Mr. Schechter:

As per our telephone conversation this afternoon and your letter to our client, Meadowbrook Realty Company, dated May 16, 1991, we are enclosing herewith a copy of an inventory prepared by our client's consultant, CA Rich Consultants, Inc. As required by item #1 of your letter, the inventory identifies materials CA Rich identified in tanks and containers during its inspection of the site. As of this date, all of the small containers, half-filled receptacles and miscellaneous materials (with the exception of fuel oil within the 6,000 gallon above-ground storage tank), have been secured and containerized to guard against the possibility of release. Samples of those materials were collected and forwarded to a New York State certified laboratory. Upon receipt of the analytical results, CA Rich will prepare the necessary waste profiles and, thereafter, arrange to have the hazardous materials removed for off-site disposal by a licensed chemical waste transporter. Additionally, in accordance with your letter, CA Rich is performing an investigation to define all areas of spillage at the property.

McMILLAN, RATHER, BENNETT & RIGANO, P.C.

Mr. Joseph Schechter

June 14, 1991

Page 2

We will keep you apprised of the status of our efforts at the property on a periodic basis. If you have any questions or concerns regarding this letter or the attached inventory, please do not hesitate to call me at (516) 694-8000.

Sincerely,



Barry S. Cohen

BSC/gb

cc: Robert Becherer (with enclosure)

Arthur Cerrone

Charles Rich ✓

McMILLAN, RATHER, BENNETT & RIGANO, P.C.

CORPORATE CENTER
385 NORTH SERVICE ROAD
MELVILLE, NEW YORK 11747

TELEPHONE:
(516) 694-6000
TELECOPIER:
(516) 694-2100

June 28, 1991

LESLIE R. BENNETT
WILLIAM CORNACHIO
ROBERT R. McMILLAN
JAMES B. RATHER
JAMES P. RIGANO

CERTIFIED MAIL:
RETURN RECEIPT REQUESTED

Mr. Joseph Schechter
Public Health Sanitarian
Office of Industrial and
Hazardous Waste Management
Nassau County Department of Health
240 Old Country Road
Mineola, New York 11501

Robert Becherer, P.E.
Regional Hazardous Substance Engineer
Division of Solid Waste
New York State Department of
Environmental Conservation
Building 40
SUNY at Stony Brook
Stony Brook, New York 11794

Re: 425 Merrick Avenue, Westbury, New York

Gentlemen:

This is to confirm that at approximately 5:00 p.m. yesterday, we notified you that analyses of samples collected at the above-referenced site revealed the presence of hazardous substances. In addition to informing you, we also notified the Federal National Response Center and the DEC's Spill Hotline. The NRC Case Number is # 771-98, and the DEC's spill incident number is # 91-034-54.

The samples containing the hazardous substances were collected during the preliminary site investigation. The investigation, which is being performed by CA Rich Consultants, Inc. on behalf of the Meadowbrook Realty Company, was conducted in an effort to "define all areas of spillage" at the site as dictated by the Nassau County Department of Health letter dated May 16, 1991. A plan that will identify the additional investigatory tasks that

McMILLAN, RATHER, BENNETT & RIGANO, P.C.

Mr. Joseph Schechter

Robert Becherer, P.E.

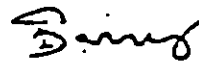
June 28, 1991

Page 2

are required to better define the areas of spillage will be prepared, and a copy of that plan, together with the analytical results from the preliminary site inspection, will be submitted to the County Department of Health, with an additional copy to the DEC.

If you have any questions regarding this letter, please do not hesitate to call Jim Rigano or me at (516) 694-8000.

Sincerely,



Barry S. Cohen

BSC/gb

cc: Arthur Cerrone

Charles A. Rich ✓



TOTAL ANALYTICAL SERVICES FOR A SAFE ENVIRONMENT

nytest environmental inc.

Project No.: 9118057
Log in No.: 9321
P.O. No.: Pending
Date: August 30, 1991

ANALYTICAL DATA REPORT
PACKAGE FOR

CA Rich Consultants

404 Glen Cove Ave

Sea Cliff, NY 11579

RECEIVED

APR 22 1992

HAZARDOUS WASTE REMEDIATION
NYSDEC REGION 1

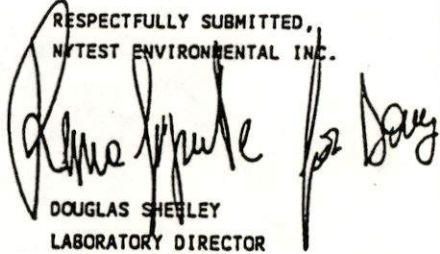
ATTN: Bruce Beck
REF: Meadowbrook Realty

LABORATORY NUMBER	SAMPLE IDENTIFICATION	TYPE OF SAMPLE
9321001	B-9(4-6)	Soil
9321002	B-11(9-11)	Soil
9321003	B-10(9-11)	Soil

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

PARAG K. SHAH, Ph. D.
ORGANIC LAB. MANAGER
mar

RESPECTFULLY SUBMITTED,
NYTEST ENVIRONMENTAL INC.


DOUGLAS SHEELEY
LABORATORY DIRECTOR
NJ Cert# 73469

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

box 1518 □ 60 seaview blvd., port washington, ny 11050 □ (516) 625-5500

Table of Contents

Log in No.: 9321

	Page
I. Sample Analysis Request Form	NA
II. Chain of Custody.	1
III. Laboratory Deliverable Checklist.	NA
IV. Laboratory Chronicle.	2
V. Non Conformance Summary (Case Narrative).	3
VI. Methodology Summary	4 - 7
VII. Data Reporting Comment Page.	8
VIII. Sample Results	9 - 29
IX. Quality Assurance Summary (Including Initial and Continuing Calibration Time and Date)	30 - 33

nytest environmental inc

CHAIN OF CUSTODY RECORD

Page 1 of 1

SHIP TO: Nytest Environmental Inc.
60 Seaview Blvd.
Port Washington, NY 11050
(516) 625-5500
Attn. _____

REPORT TO: Client Name CA Rich Consultants, Inc
Address 404 Glen Cove Ave.
SEA CLIFF N.Y. 11579
Phone 516-674-3889
Attn. BRUCE BECK

[illegible]

Relinquished by (Signature) <i>Michael Yager</i>	Date / Time 8-8-71 PM	Rec'd. By (Signature)	Date / Time
Print Name <i>MICHAEL YAGER</i>		Print Name	
Relinquished by (Signature)	Date / Time	Rec'd. by (Signature)	Date / Time
Print Name		Print Name	
Relinquished by (Signature)	Date / Time	Received for Laboratory by (Signature) <i>Scott Waska</i>	Date / Time
Print Name		Print Name <i>SCOTT WASKA</i>	8/8 4:40 PM

Special Instructions/Comments.

00001

Laboratory Chronicle

Client Name: C.A. Rich Consultants
Date Received: 8/08/91
Sample ID: As per chain of custody

Log In No.: 9321

Organics Extractions:

1. Acids _____
2. Base/Neutrals _____
3. Pesticides/PCBs _____
4. Dioxin _____

8/13/91

Analysis:

1. Volatiles _____
2. Acids _____
3. Base/Neutrals _____
4. Pesticides/PCBs _____
5. Dioxin _____

8/15/91

Section Supervisor
Review & Approval _____

Inorganics:

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

8/24/91, 8/26/91, 8/27/91

Other Analysis:

TPHC - 8/16/91

Section Supervisor
Review & Approval _____

Quality Control Supervisor
Review & Approval _____

If fractions are re-extracted and re-analyzed include dates for both.

00002

NON-CONFORMANCE SUMMARY
(Case Narrative)

Log In No: 9321

Samples were analyzed as per required protocols, no problems were encountered.

METHODOLOGY SUMMARYAQUEOUS METHODOLOGIES:REF 1REF 2REF 3

BNA, Pesticides/PCB's Extraction		3510	
AA/ICP Sample Preparation	200.7		
Furnace Sample Preparation	200.0		
Mercury Sample Preparation	245.1		
Hexavalent Chromium Sample Preparation	218.5		
Clean-Up		3610/3640	

Organochlorine Pesticides and PCB's

by Gas Chromatography		608
Herbicides by Gas Chromatography		362
Purgeable Organics by GC/MS		624
Base/Neutral, Acids by GC/MS		625
2,3,7,8-TCDD by GC/MS		613/625
BTEX		602

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	3610/3640

Gas Chromatography/Mass Spectrometry:

Purgeable Organics	8240
Base/Neutral and Acid Extractables	8270
Organophosphorous Pesticides	8140
Organochlorine Pesticides and PCB's	
by Gas Chromatography	8080
BTEX	8020

METHODOLOGY SUMMARYINDUCTIVELY COUPLED PLASMA (ICP):REFERENCE 1REFERENCE 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

nytest environmental inc

METHODOLOGY SUMMARY

ADDITIONAL INORGANIC PARAMETERS:

REFERENCE 1

REFERENCE 2

Bromide	320.1	
Color	110.2	
Conductance	120.1	
Conductance		9050
Odor	140.1	
pH	150.1	
pH		9040
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	335.3	
Oil and Grease	413.1/413.2	
Oil and Grease		9070
Fluoride	340.2	
TKN	351.2	
NO2/NO3	353.2	
D.O.	360.2	
Petroleum Hydrocarbons (Reference 4)	418.1	
Phenol	420.2	
Phosphorous	365.1	
Silica	370.1	
Sulfate	375.2/375.4	
Sulfide	376.1	
Surfactants	425.1	
TOC	415.1	
TOX		9022

MISCELLANEOUS ANALYSIS:

Extraction Procedure Toxicity	1310
Ignitability	1010
Corrosivity	1110
Reactivity	Chapter 8.3
Toxicity Characteristic Leaching Procedure (TCLP)	(Ref. 5)

00006

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) as modified by NJDEP-BISE (for non-aqueous samples)
- (5) Federal Register Vol. 51, No. 216 Friday, 11/7/86, pp. 40643-40652

DATA REPORTING COMMENT PAGE

QUALIFIERS:

- U - Indicates compound was analyzed for but not detected.
The number is the detection limit for the sample.
- J - Indicates an estimated value. This flag is used either when estimating a concentration for tentatively identified compounds where a 1:1 response is assumed or when the mass spectral data indicates the presence of a compound that meets the identification criteria but the result is less than the reported detection limit but greater than zero.
- B - This flag is used when the analyte is found in the method blank as well as in the sample.
- T - This flag identifies all targeted compounds that were found above the method detection limits.
- A - Aldol Condensation Product (formed from Acetone reacting with Methylene Chloride solvents used in the extraction of soil samples, not associated with sample constituents)
- D - Diluted out
- NA - Not applicable by contract

Data on soil samples are expressed on a dry weight basis.

All non-aqueous samples are reported on soil forms. This includes samples whose matrix is listed as miscellaneous.

The Initial and Continuing Calibration dates and times for the volatile fractions are listed on the BFB summary forms.

The Initial and Continuing Calibration dates and times for the semivolatile fractions are listed on the DFTPP summary forms.

SAMPLE SUFFIXES: RE - Re-analyzed sample
DL - Sample analyzed at a secondary dilution

METHOD BLANK NOMENCLATURE - FBLX##:

- F - Fraction (V for Volatiles, S for Semivolatiles)
- BLK - Indicates a blank
- ## - Arbitrarily assigned number for that blank

GC/MS STANDARD NOMENCLATURE - FSTD###:

- F - Fraction (V for Volatiles, S for Semivolatiles)
- STD - Indicates a standard
- ### - Concentration in ppb of Volatile standards, or amount injected in ng for Semivolatile standards

nytest environmental_{inc}

REPORT OF ANALYSIS

Log in No.: 9321

We find as follows:

Results in mg/kg (dry weight basis):

<u>Sample Identification</u>	<u>Parameter(s)</u>
	<u>Total Petroleum Hydrocarbons</u>
9321001 B-9(4-6)	799
9321002 B-11(9-11)	<10.0
9321003 B-10(9-11)	<10.0
Soil Method Blank	<10.0
Soil Method Detection Limit	10.0

00009

nytest environmental_{inc}

REPORT OF ANALYSIS

Log In No.: 9321

We find as follows:

Results in mg/kg (dry wt. basis):

Sample Identification

Parameter(s)

	B-9(4-6) (9321001)	B-11(9-11) (9321002)	B-10(9-11) (9321003)	Method Blank
Arsenic	<2.0	<2.0	<2.0	<2.0
Barium	18.1	<10.0	<10.0	<10.0
Cadmium	<1.0	<1.0	<1.0	<1.0
Chromium	<5.0	<5.0	<5.0	<5.0
Lead	15.6	<5.0	<5.0	<5.0
Mercury	<0.10	<0.10	<0.10	<0.10
Selenium	<1.0	<1.0	<1.0	<1.0
Silver	<5.0	<5.0	<5.0	<5.0

00010

VOLATILE ORGANICS: METHOD 601/602

Sample ID: B-9(4-6)
Lab Sample ID No.: 9321001
Sample Size: 5g
% Moisture: 3

Log in No.: 9321

Parameter(s)	Cas #	MDL (ug/kg)	Found (ug/kg)
Bromodichloromethane	75-27-4	1.0	ND
Bromoform	75-25-2	1.0	ND
Bromomethane	74-83-9	1.0	ND
Carbon Tetrachloride	56-23-5	1.0	ND
Chlorobenzene	108-90-7	1.0	ND
Chloroethane	75-00-3	1.0	ND
2-Chloroethylvinyl ether	100-75-8	1.0	ND
Chloroform	67-66-3	1.0	ND
Chloromethane	74-87-3	1.0	ND
Dibromochloromethane	124-48-1	1.0	ND
1,2-Dichlorobenzene	95-50-1	1.0	ND
1,3-Dichlorobenzene	541-73-1	1.0	ND
1,4-Dichlorobenzene	106-46-7	1.0	ND
1,1-Dichloroethane	75-46-7	1.0	ND
1,2-Dichloroethane	107-06-2	1.0	ND
1,1-Dichloroethene	75-35-4	1.0	ND
trans-1,2-Dichloroethene	156-60-5	1.0	ND
1,2-Dichloropropane	78-87-5	1.0	ND
cis-1,3-Dichloropropene	10061-01-5	1.0	ND
trans-1,3-Dichloropropene	10061-02-5	1.0	ND
Methylene Chloride	75-09-2	1.0	ND
1,1,2,2-Tetrachloroethane	79-34-5	1.0	ND
Tetrachloroethene	127-18-4	1.0	ND
1,1,1-Trichloroethane	71-55-6	1.0	ND
1,1,2-Trichloroethane	79-00-5	1.0	ND
Trichloroethene	79-01-6	1.0	ND
Trichlorofluoromethane	75-69-4	1.0	ND
Vinyl Chloride	75-01-4	1.0	ND
Benzene	71-43-2	1.0	ND
Toluene	108-88-3	1.0	ND
Ethyl Benzene	100-41-4	1.0	ND
Xylenes (Total)	-	1.0	ND

1 D-T
NYTEST ENVIRONMENTAL INC.

TCL PESTICIDE/PCB ORGANICS ANALYSIS DATA SHEET

SAMPLE MATRIX: SOIL SAMPLE ID: B-9(4-6)
CONC. LEVEL: LOW LAB SAMPLE ID: 9321001
EXTRACTION DATE: 8/13/91 DIL FACTOR: 1.00
ANALYSIS DATE: 8/16/91 % MOISTURE: 3

CMPD #	CAS Number	PESTICIDE/PCB COMPOUND	UG/KG (DRY BASIS)
1	319-84-6	Alpha-BHC	NA
2	319-85-7	Beta-BHC	NA
3	319-86-8	Delta-BHC	NA
4	58-89-9	Gamma-BHC(Lindane)	NA
5	76-44-8	Heptachlor	NA
6	309-00-2	Aldrin	NA
7	1024-57-3	Heptachlor Epoxide	NA
8	959-98-8	Endosulfan I	NA
9	60-57-1	Dieldrin	NA
10	72-55-9	4,4'-DDE	NA
11	70-20-8	Endrin	NA
12	33213-65-9	Endosulfan II	NA
13	72-54-8	4,4'-DDD	NA
14	1031-07-8	Endosulfan Sulfate	NA
15	50-29-3	4,4'-DDT	NA
16	53494-70-5	Endrin Ketone	NA
17	72-43-5	Methoxychlor	NA
18	57-74-9	Chlordane	NA
19	8001-35-2	Toxaphene	NA
20	12674-11-2	Aroclor-1016	80.000 U.
21	11104-28-2	Aroclor-1221	80.000 U.
22	11141-16-5	Aroclor-1232	80.000 U.
23	53469-21-9	Aroclor-1242	80.000 U.
24	12672-29-6	Aroclor-1248	80.000 U.
25	11097-69-1	Aroclor-1254	160.000 U.
26	11096-82-5	Aroclor-1260	160.000 U.

00012

Sample Name : 9321-03

FileName : c:\2700\data2\PA15004.raw

Start Time : 0.00 min

Scale Factor : 1

End Time : 38.00 min

Plot Offset: -40 mV

Sample #: B-9 (4-6)
Date : 8/15/91 04:22 PM
Low Point : -40.43 mV
Plot Scale: 991 mV

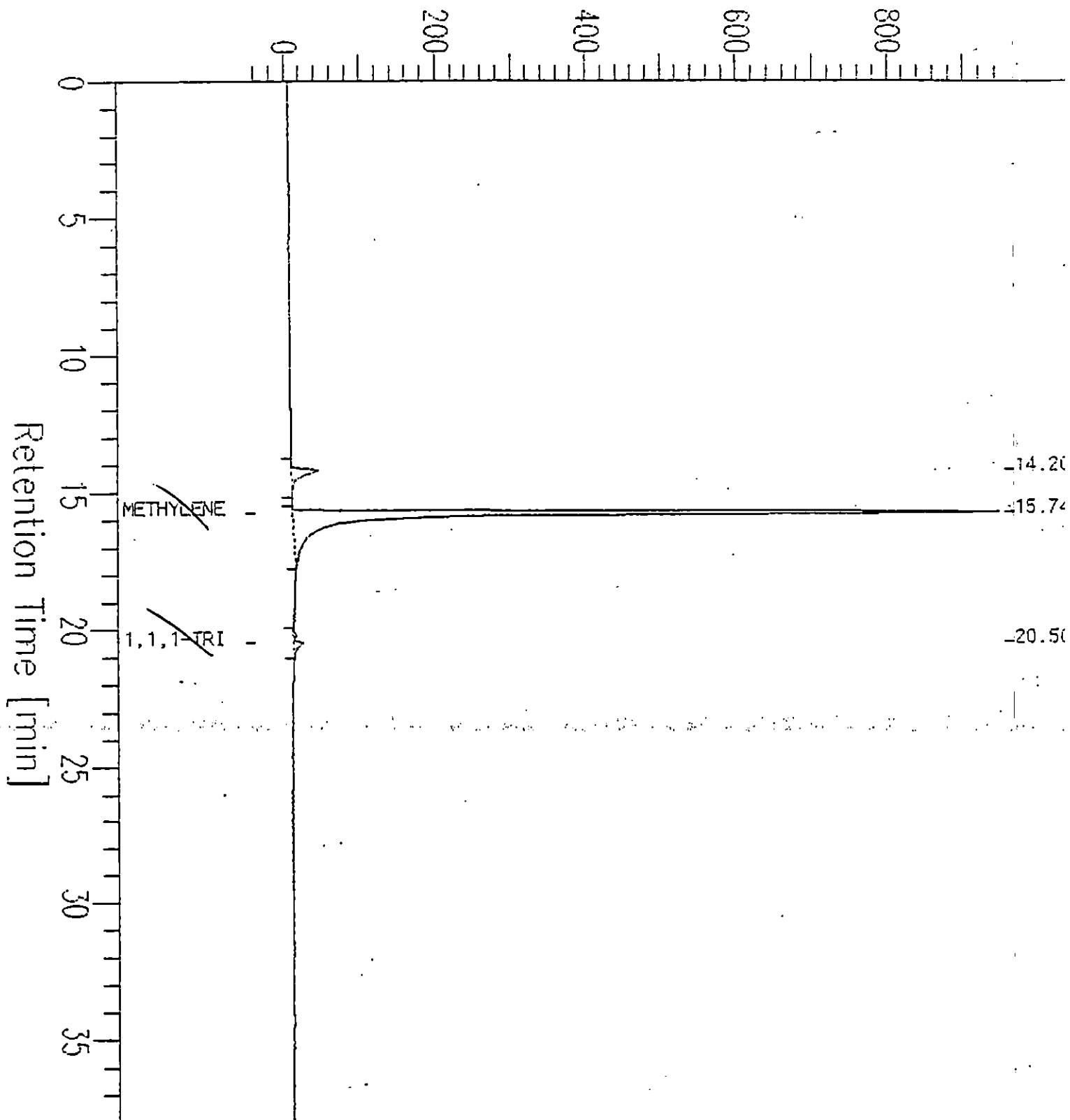
Page 1 of 1

High Point : 950.98

C. A. Rich 8/8/91

A

Response [mV]



00013

Chromatogram

Sample Name : 9321-001

FileName : c:\2700\data\QA13004.raw

Start Time : 0.00 min

Scale Factor: 1

End Time : 38.00 min

Plot Offset: 9 mV

Sample #: S-9(4-5)

Date : 8/15/91 03:21 PM

Low Point : 8.53 mV

Plot Scale: 1 mV

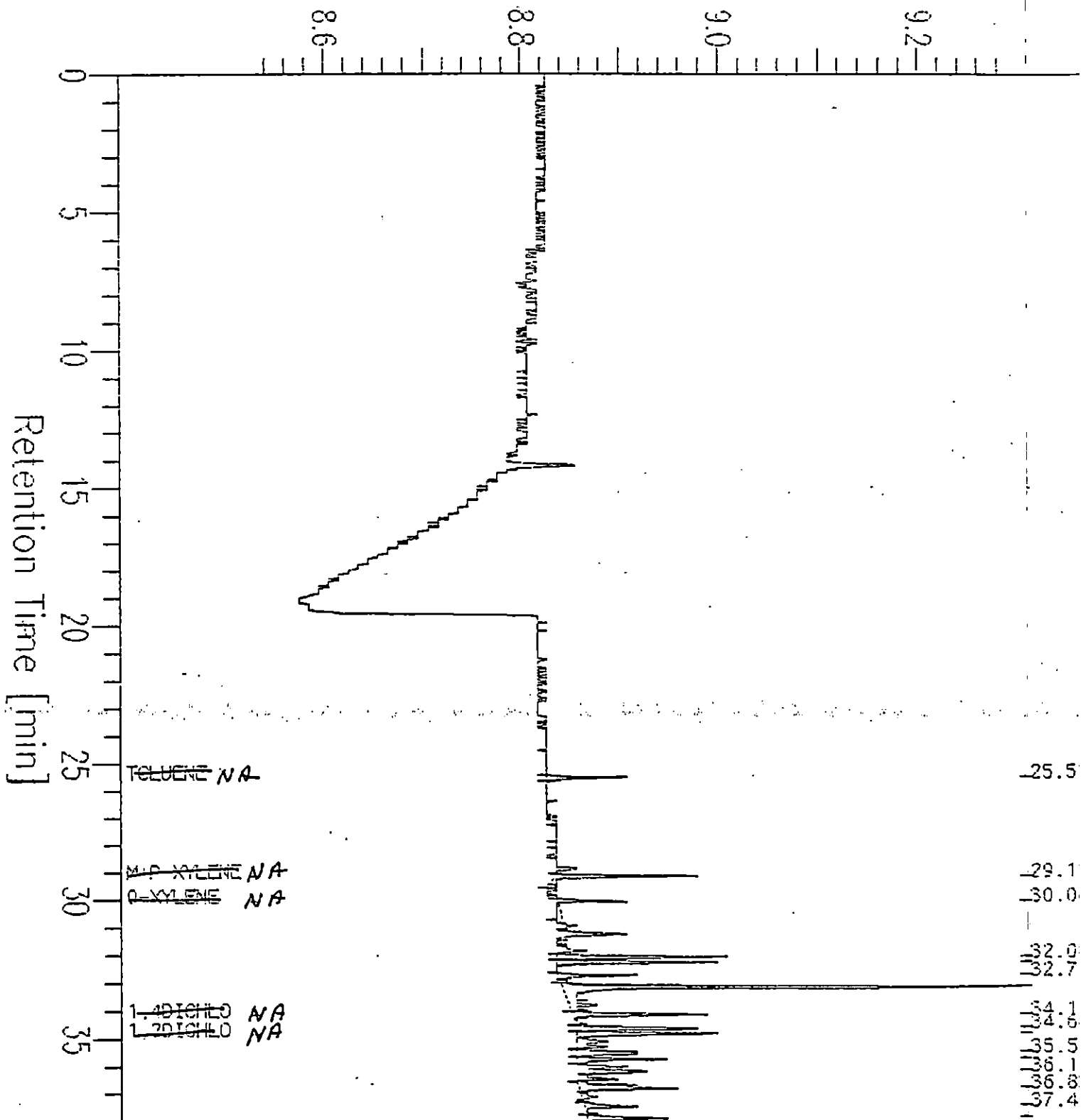
Page 1 of 1

High Point : 9.30 mV

CA. Tech 8/8/91

B

Response [mV]



00014

FileName : c:\2700\data\2700\A15004.mnw

Date : 8/16/91 12:10:00

Start Time : 0.00 min

End Time : 60.00 min

Low Point : -435.02 mV

High Point : 9271.6

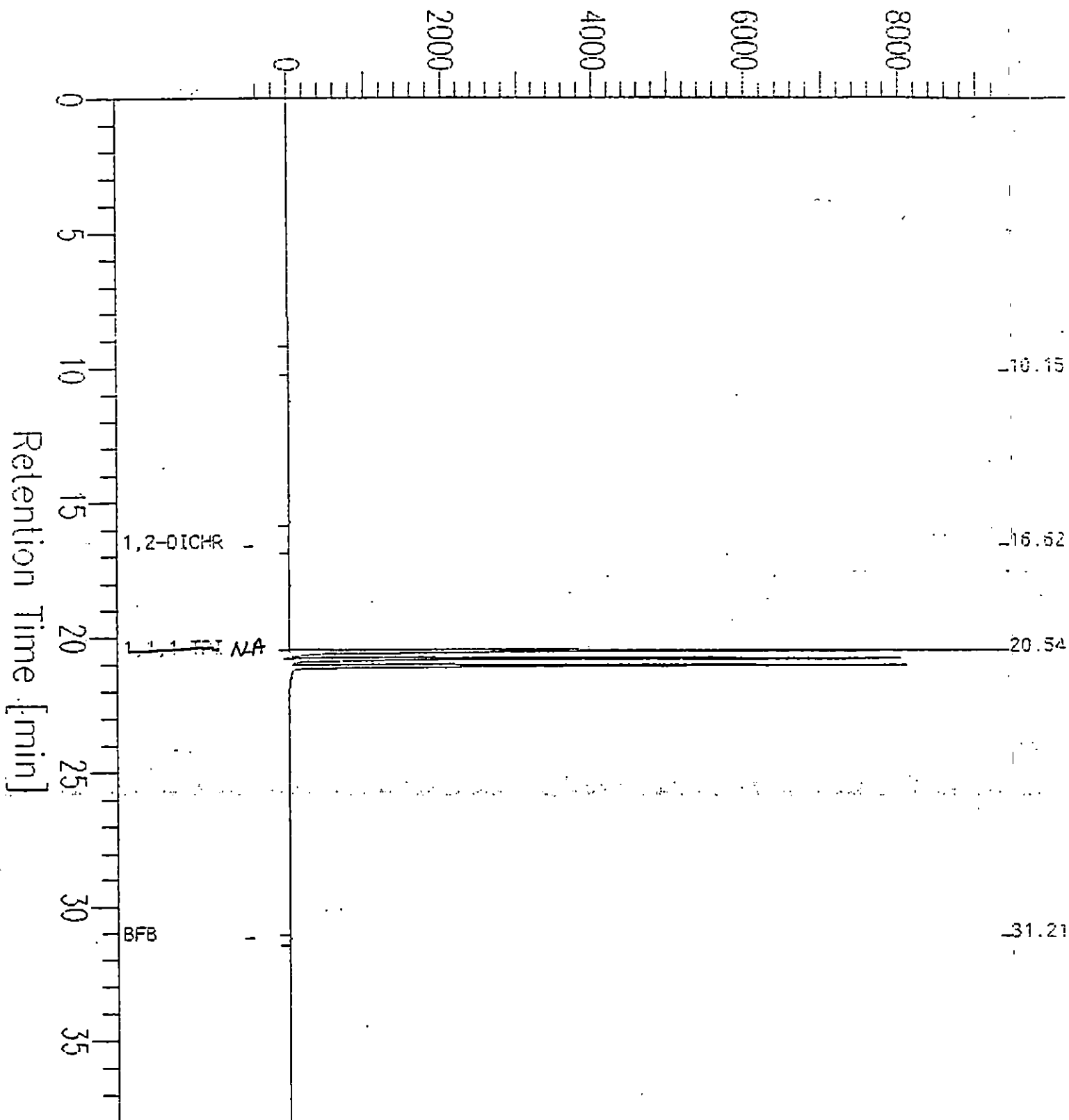
Scale Factor: 1

Plot Offset: -436 mV

Plot Scale: 9700 mV

CA. Rich 8/8/91

A Response [mV]



00015

Sample Name : 9321-001

Sample #: 8-21-5)

Page 1 of 1

FileName : c:\2700\data\CA18034.raw

Date : 8/16/91 05:51 PM

Start Time : 0.00 min

End Time : 38.00 min

Low Point : 8.34 mV

High Point : 10.25 mV

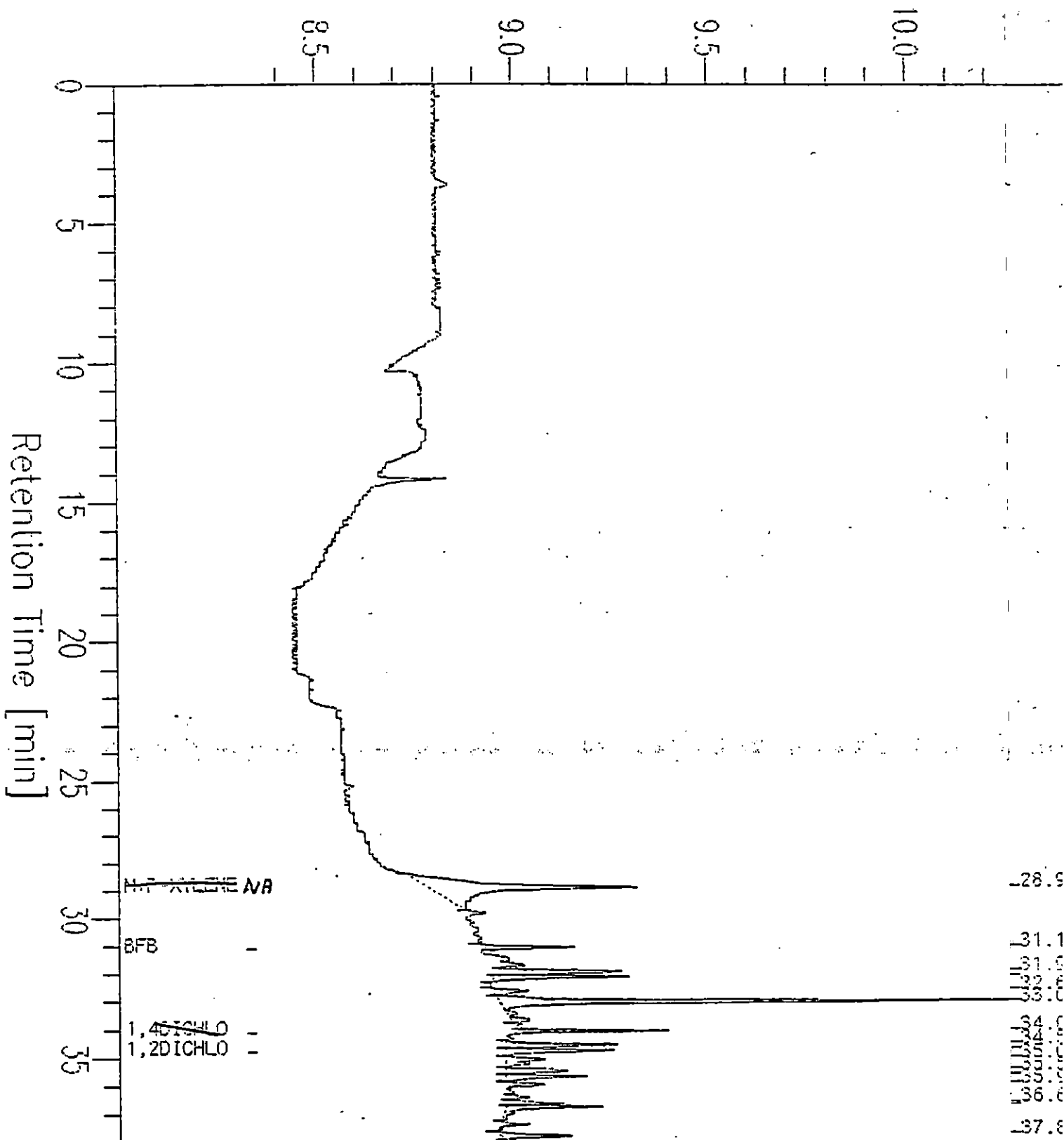
Scale Factor : 1

Plot Offset : 8 mV

Plot Scale : 2 mV

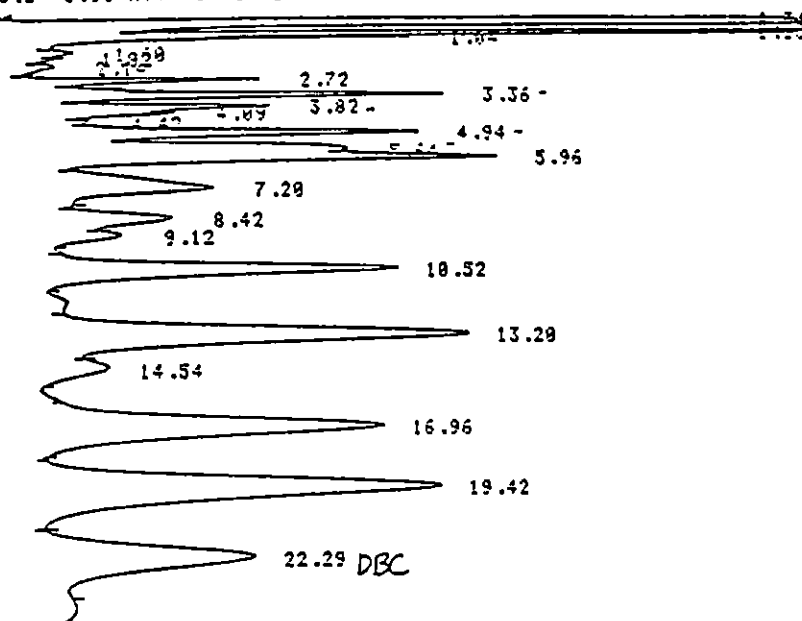
CA. Rich 8/8/91

B Response [mV]



00016

2ml CARICH 9321-001 B-1(4-6) 8/5-8/13 30/1
 CH. 1 C.S 5.00 ATT 0 OFFS 0 08/16/91 12:22



TEMP: ISO 200 C
 4%SE30/6%SP2401
 6FT:2MM ID ECD
 TRACOR 222 A 1
 METH'S 600 /5098 /0000 /8150

D-2000

08/16/91 12:22

SAMPLE: PCB

TAG: 143 CH: 1

FILE: 1 CALC-METHOD: AREA% TABLE: 0 CONC: AREA

NO.	RT	AREA	HEIGHT	RT	GC	NAME
1	0.34	6713	1169	0.34	BU	
2	0.44	15129	3394	0.44	UU	
3	0.50	15661	3216	0.50	UU	
4	0.85	23291	3363	0.85	UU	
5	1.04	1037	291	1.04	TBB	
6	1.60	379	35	1.60	TBU	
8	2.14	408	29	2.14	TBB	
9	2.72	3249	287	2.72	BU	
10	3.36	8668	512	3.36	UU	
11	3.82	6787	288	3.82	UU	
12	4.09	369	50	4.09	TBB	
14	4.94	9345	462	4.94	UU	
15	5.64	8617	367	5.64	UU	
16	5.96	11878	551	5.96	UU	
17	7.29	6829	178	7.29	UB	
18	8.42	4029	129	8.42	BU	
19	9.12	1047	77	9.12	UB	
20	10.52	13424	424	10.52	BB	
21	13.29	28239	493	13.29	BB	
22	14.54	1576	47	14.54	BB	
23	16.96	20443	496	16.96	BB	
24	19.42	28154	489	19.42	BB	
25	22.29	15054	245	22.29	BB	

TOTAL

223124 16502

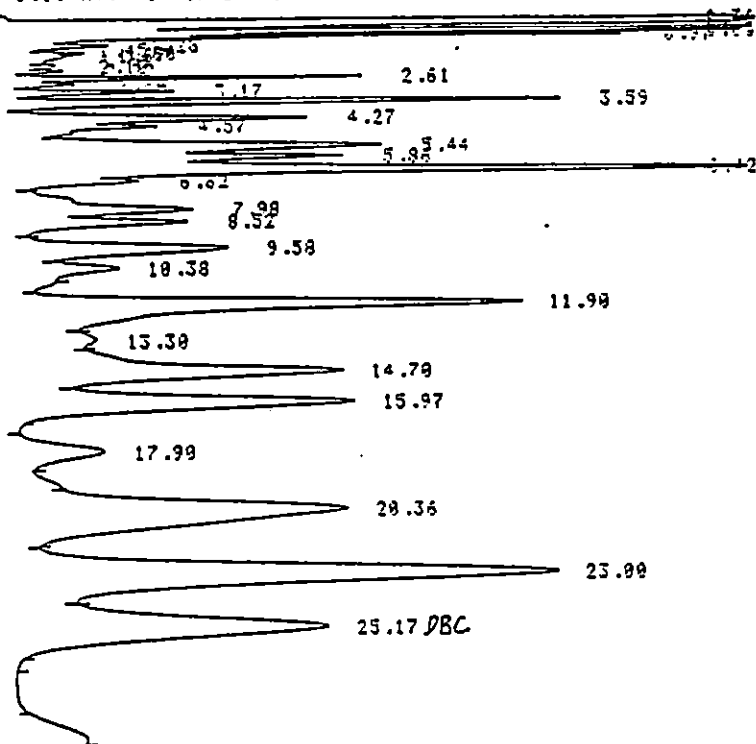
PEAK REJ : 299

RAW DATA STORAGE NO.

63

00017

2nd C.A. Rich 9321-601 B-4 (4-6) 3/5 → 3/13 30/1
CH. 2 C.S 5.00 ATT 1 OFFS 5 08/16/91 11:26



TEMP: ISO 200 C
1.5%SP2250/1.95%SP2401
6FT14MM ID ECD
TRACOR 222 A 2
METH'S 608 /5098 /8088 /8150

D-2000

08/16/91 11:26

SAMPLE: PCB

TAG: 423 CH: 2

FILE: 2 CALC-METHOD: AREA% TABLE: 0 CONC: AREA

NO.	RT	AREA	HEIGHT	RRT	SC	NAME
1	0.31	7739	2963	0.31	BU	
2	0.36	15557	4705	0.36	UU	
3	0.41	35258	11421	0.41	UU	
4	0.46	41424	10524	0.46	UU	
5	0.71	52492	12163	0.71	UU	
6	0.85	44238	1965	0.85	UU	
7	0.97	4472	1182	0.97	TBB	
11	1.67	1121	85	1.67	TUU	
14	2.61	5582	837	2.61	TBU	
15	2.84	978	121	2.84	TUB	
16	3.17	3470	369	3.17	TBU	
17	3.59	15883	1363	3.59	TUB	
18	4.27	10566	692	4.27	TBU	
19	4.57	3990	288	4.57	TUB	
20	5.44	13302	670	5.44	TBU	
21	5.86	4918	428	5.86	TUB	
22	6.42	38290	2911	6.42	UU	
23	6.82	4614	293	6.82	UU	
24	7.98	12144	418	7.98	UU	
25	8.52	8174	398	8.52	UB	
26	9.58	13864	475	9.58	BU	
27	10.38	3092	152	10.38	TBB	
28	11.90	37632	1296	11.90	BU	
30	14.70	25653	700	14.70	BU	
31	15.97	28404	792	15.97	UB	
32	17.90	7680	192	17.90	BB	
33	20.36	43686	737	20.36	BB	
34	23.00	78743	1327	23.00	BU	
35	25.17	37792	690	25.17	TBB	
36	29.82	1756	23	29.82	BB	

TOTAL

602424

59190

PEAK REJ : 899

00018

nytest environmental_{inc}

VOLATILE ORGANICS: METHOD 601/602

Sample ID: B-11(9-11)
 Lab Sample ID No.: 9321002
 Sample Size: 5g
 % Moisture: 3

Log in No.: 9321

Parameter(s)	Cas #	MDL (ug/kg)	Found (ug/kg)
Bromodichloromethane	75-27-4	1.0	ND
Bromoform	75-25-2	1.0	ND
Bromomethane	74-83-9	1.0	ND
Carbon Tetrachloride	56-23-5	1.0	ND
Chlorobenzene	108-90-7	1.0	ND
Chloroethane	75-00-3	1.0	ND
2-Chloroethylvinyl ether	100-75-8	1.0	ND
Chloroform	67-66-3	1.0	ND
Chloromethane	74-87-3	1.0	ND
Dibromochloromethane	124-48-1	1.0	ND
1,2-Dichlorobenzene	95-50-1	1.0	ND
1,3-Dichlorobenzene	541-73-1	1.0	ND
1,4-Dichlorobenzene	106-46-7	1.0	ND
1,1-Dichloroethane	75-46-7	1.0	ND
1,2-Dichloroethane	107-06-2	1.0	ND
1,1-Dichloroethene	75-35-4	1.0	ND
trans-1,2-Dichloroethene	156-60-5	1.0	ND
1,2-Dichloropropane	78-87-5	1.0	ND
cis-1,3-Dichloropropene	10061-01-5	1.0	ND
trans-1,3-Dichloropropene	10061-02-5	1.0	ND
Methylene Chloride	75-09-2	1.0	ND
1,1,2,2-Tetrachloroethane	79-34-5	1.0	ND
Tetrachloroethene	127-18-4	1.0	ND
1,1,1-Trichloroethane	71-55-6	1.0	ND
1,1,2-Trichloroethane	79-00-5	1.0	ND
Trichloroethene	79-01-6	1.0	ND
Trichlorofluoromethane	75-69-4	1.0	ND
Vinyl Chloride	75-01-4	1.0	ND
Benzene	71-43-2	1.0	ND
Toluene	108-88-3	1.0	ND
Ethyl Benzene	100-41-4	1.0	ND
Xylenes (Total)	-	1.0	ND

00019

1 D-T
NYTEST ENVIRONMENTAL INC.

TCL PESTICIDE/PCB ORGANICS ANALYSIS DATA SHEET

SAMPLE MATRIX: SOIL SAMPLE ID: B-11(9-11)
 CONC. LEVEL: LOW LAB SAMPLE ID: 9321002
 EXTRACTION DATE: 8/13/91 DIL FACTOR: 1.00
 ANALYSIS DATE: 8/16/91 % MOISTURE: 3

CMPO #	CAS Number	PESTICIDE/PCB COMPOUND	UG/KG (DRY BASIS)
1	319-84-6	Alpha-BHC	NA
2	319-85-7	Beta-BHC	NA
3	319-86-8	Delta-BHC	NA
4	58-89-9	Gamma-BHC(Lindane)	NA
5	76-44-8	Heptachlor	NA
6	309-00-2	Aldrin	NA
7	1024-57-3	Heptachlor Epoxide	NA
8	959-98-8	Endosulfan I	NA
9	60-57-1	Dieldrin	NA
10	72-55-9	4,4'-DDE	NA
11	70-20-8	Endrin	NA
12	33213-65-9	Endosulfan II	NA
13	72-54-8	4,4'-DDD	NA
14	1031-07-8	Endosulfan Sulfate	NA
15	50-29-3	4,4'-DDT	NA
16	53494-70-5	Endrin Ketone	NA
17	72-43-5	Methoxychlor	NA
18	57-74-9	Chlordane	NA
19	8001-35-2	Toxaphene	NA
20	12674-11-2	Aroclor-1016	80.000 U.
21	11104-28-2	Aroclor-1221	80.000 U.
22	11141-16-5	Aroclor-1232	80.000 U.
23	53469-21-9	Aroclor-1242	80.000 U.
24	12672-29-6	Aroclor-1248	80.000 U.
25	11097-69-1	Aroclor-1254	160.000 U.
26	11096-82-5	Aroclor-1260	160.000 U.

Chromatogram

Sample Name : 9321-002

FileName : c:\2700\data\QA15005.raw

Start Time : 0.00 min

Scale Factor: 1

End Time : 38.00 min

Plot Offset: 8 mV

Sample #: B-11(9-11)

Date : 8/15/91 05:04 PM

Low Point : 8.29 mV

Plot Scale: 6 mV

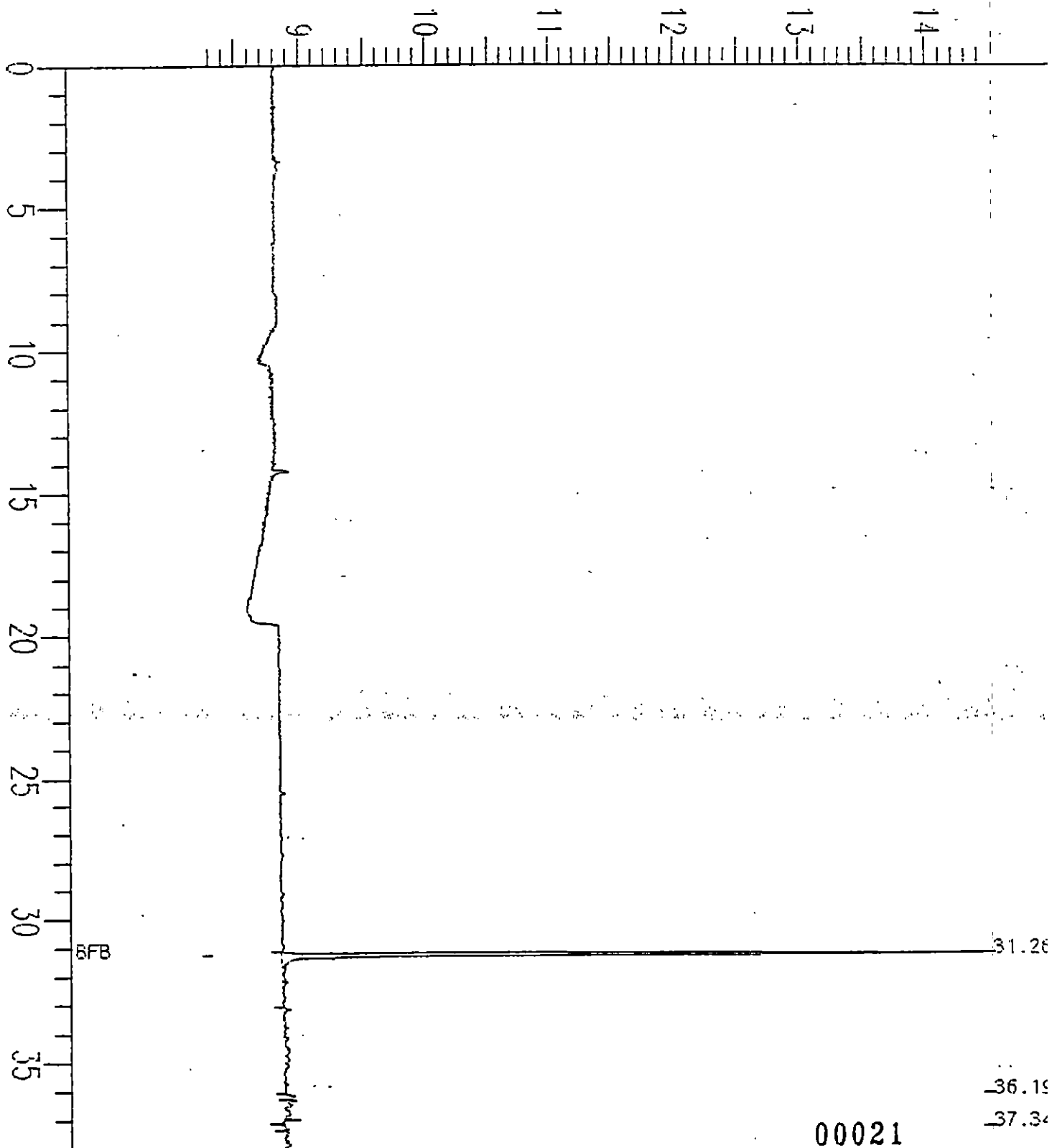
Page 1 of 1

High Point : 14.41 m

C.A. Pick 8/8/91

B Response [mV]

Retention Time [min]



00021

Chromatogram

Sample Name : 9321-C02

FileName : c:\2700\data2\PA1SC05.raw

Start Time : 0.00 min

Scale Factor: 1

End Time : 33.00 min

Plot Offset: -47 mV

Sample #: 8-11(9-11)

Date : 8/15/91 05:05 PM

Low Point : -46.99 mV

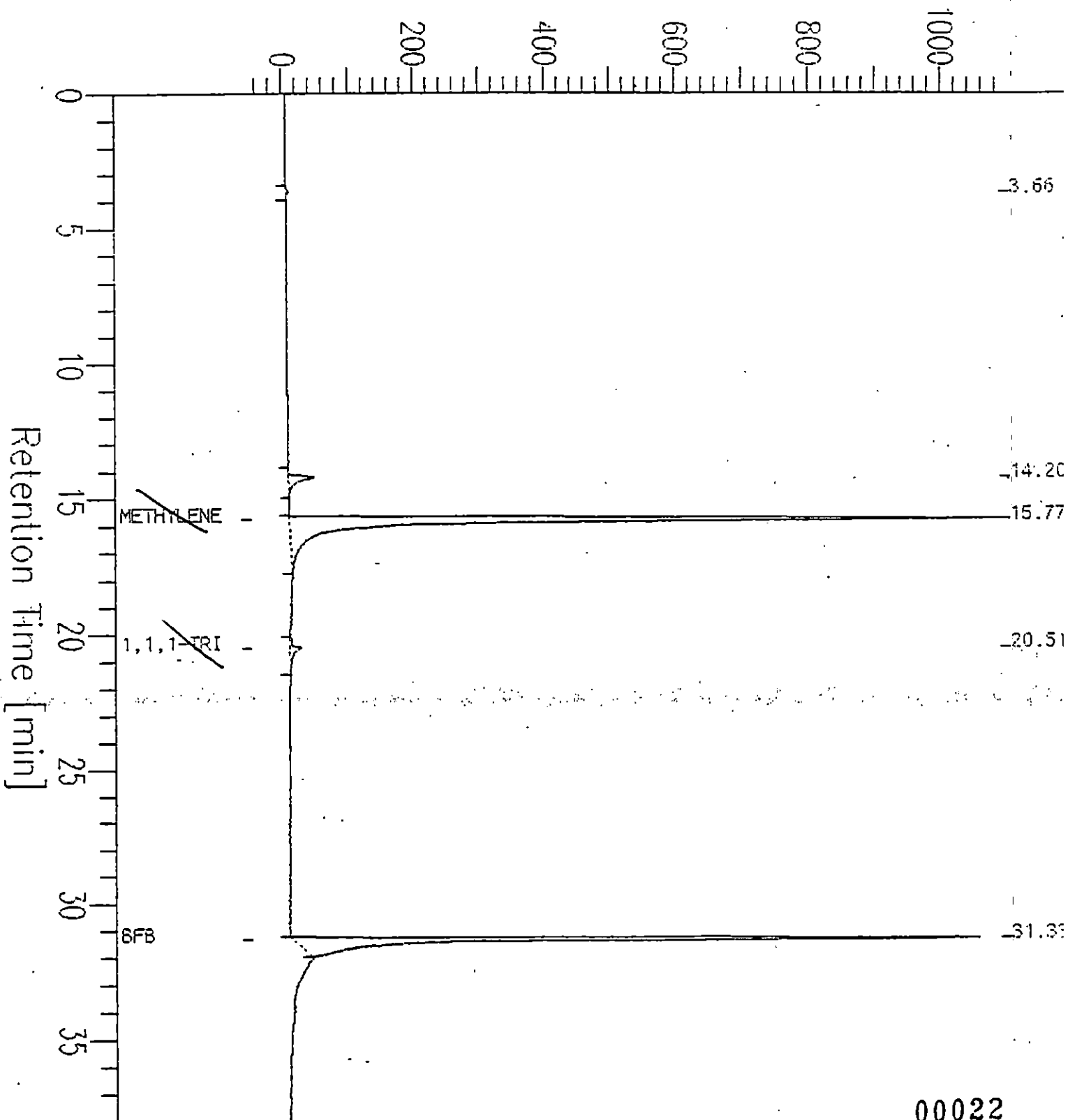
Plot Scale: 1134 mV

Page 1 of 1

High Point : 1036.9

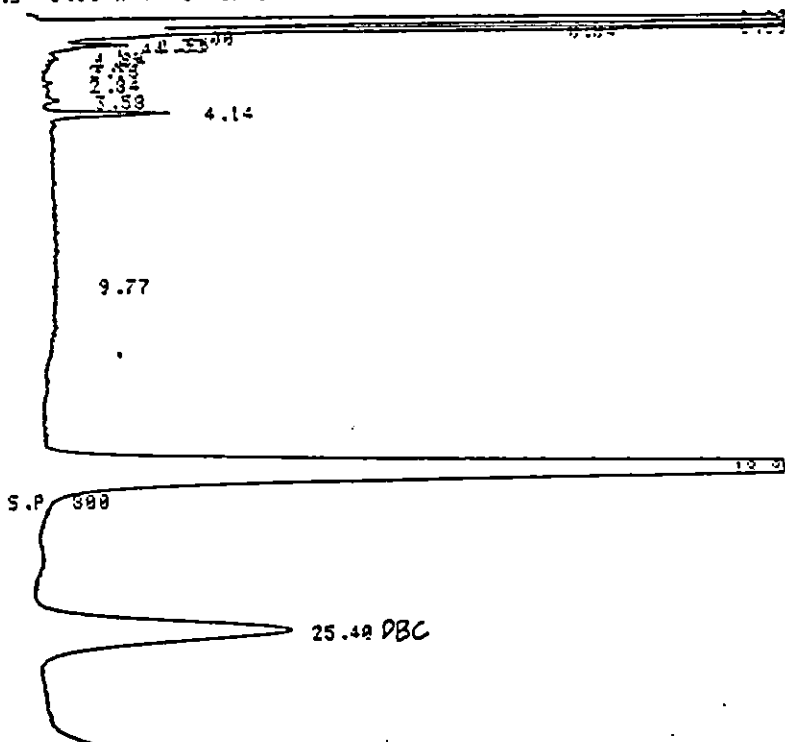
CA. Pick 8/8/91

A Response [mV]



00022

2nd C.A. Rich 9321-002 B-11 (9-11) 9/2 → 3/13 30/1
 CH. 2 C.S 5.80 ATT 1 OFFS 5 08/16/91 12:20



TEMP: 150.200 C
 1.5%SP2250/1.95%SP2401
 6FT: 4MM ID ECD
 TRACOR 222 R 2
 METH'S 600 / 5000 / 8000 / 8150

D-2000

08/16/91 12:20

SAMPLE: PCB

TAB: 424 CH: 2

FILE: 2 CALC-METHOD: AREA% TABLE: 0 CONC: AREA

NO.	RT	AREA	HEIGHT	RPT	BC	NAME
1	0.28	14940	4834	0.28	00	
2	0.35	26570	5310	0.35	00	
3	0.44	25784	7501	0.44	00	
4	0.69	56525	11829	0.69	00	
5	0.84	2572	1019	0.84	00	
15	4.14	3332	299	4.14	00	
16	9.77	1777	10	9.77	00	
17	18.80	130273	3077	18.80	00	
18	25.40	36294	624	25.40	00	
TOTAL		298267	34503			

PEAK REJ: 899

RAW DATA STORAGE NO. 64

00023

VOLATILE ORGANICS: METHOD 601/602

Sample ID: B-10(9-11)
Lab Sample ID No.: 9321003
Sample Size: 5g
% Moisture: 4

Log in No.: 9321

Parameter(s)	Cas #	MDL (ug/kg)	Found (ug/kg)
Bromodichloromethane	75-27-4	1.0	ND
Bromoform	75-25-2	1.0	ND
Bromomethane	74-83-9	1.0	ND
Carbon Tetrachloride	56-23-5	1.0	ND
Chlorobenzene	108-90-7	1.0	ND
Chloroethane	75-00-3	1.0	ND
2-Chloroethylvinyl ether	100-75-8	1.0	ND
Chloroform	67-66-3	1.0	ND
Chloromethane	74-87-3	1.0	ND
Dibromochloromethane	124-48-1	1.0	ND
1,2-Dichlorobenzene	95-50-1	1.0	ND
1,3-Dichlorobenzene	541-73-1	1.0	ND
1,4-Dichlorobenzene	106-46-7	1.0	ND
1,1-Dichloroethane	75-46-7	1.0	ND
1,2-Dichloroethane	107-06-2	1.0	ND
1,1-Dichloroethene	75-35-4	1.0	ND
trans-1,2-Dichloroethene	156-60-5	1.0	ND
1,2-Dichloropropane	78-87-5	1.0	ND
cis-1,3-Dichloropropene	10061-01-5	1.0	ND
trans-1,3-Dichloropropene	10061-02-5	1.0	ND
Methylene Chloride	75-09-2	1.0	ND
1,1,2,2-Tetrachloroethane	79-34-5	1.0	ND
Tetrachloroethene	127-18-4	1.0	ND
1,1,1-Trichloroethane	71-55-6	1.0	ND
1,1,2-Trichloroethane	79-00-5	1.0	ND
Trichloroethene	79-01-6	1.0	ND
Trichlorofluoromethane	75-69-4	1.0	ND
Vinyl Chloride	75-01-4	1.0	ND
Benzene	71-43-2	1.0	ND
Toluene	108-88-3	1.0	ND
Ethyl Benzene	100-41-4	1.0	ND
Xylenes (Total)	-	1.0	ND

1 D-T
NYTEST ENVIRONMENTAL INC.

TCL PESTICIDE/PCB ORGANICS ANALYSIS DATA SHEET

SAMPLE MATRIX: SOIL SAMPLE ID: B-10(9-11)
 CONC. LEVEL: LOW LAB SAMPLE ID: 9321003
 EXTRACTION DATE: 8/13/91 DIL FACTOR: 1.00
 ANALYSIS DATE: 8/16/91 % MOISTURE: 4

CMPD #	CAS Number	PESTICIDE/PCB COMPOUND	UG/KG (DRY BASIS)
1	319-84-6	Alpha-BHC	NA
2	319-85-7	Beta-BHC	NA
3	319-86-8	Delta-BHC	NA
4	58-89-9	Gamma-BHC(Lindane)	NA
5	76-44-8	Heptachlor	NA
6	309-00-2	Aldrin	NA
7	1024-57-3	Heptachlor Epoxide	NA
8	959-98-8	Endosulfan I	NA
9	60-57-1	Dieldrin	NA
10	72-55-9	4,4'-DDE	NA
11	70-20-8	Endrin	NA
12	33213-65-9	Endosulfan II	NA
13	72-54-8	4,4-DDD	NA
14	1031-07-8	Endosulfan Sulfate	NA
15	50-29-3	4,4'-DDT	NA
16	53494-70-5	Endrin Ketone	NA
17	72-43-5	Methoxychlor	NA
18	57-74-9	Chlordane	NA
19	8001-35-2	Toxaphene	NA
20	12674-11-2	Aroclor-1016	80.000 U.
21	11104-28-2	Aroclor-1221	80.000 U.
22	11141-16-5	Aroclor-1232	80.000 U.
23	53469-21-9	Aroclor-1242	80.000 U.
24	12672-29-6	Aroclor-1248	80.000 U.
25	11097-69-1	Aroclor-1254	170.000 U.
26	11096-82-5	Aroclor-1260	170.000 U.

Chromatogram

Sample Name : 9321-003

FileName : c:\2700\data2\PA15003.raw

Start Time : 0.00 min End Time : 33.00 min

Scale Factor : 1 Plot Offset : -44 mV

Sample #: B-10(9-11)

Date : 8/15/91 07:50 PM

Low Point : -43.57 mV

Plot Scale: 1088 mV

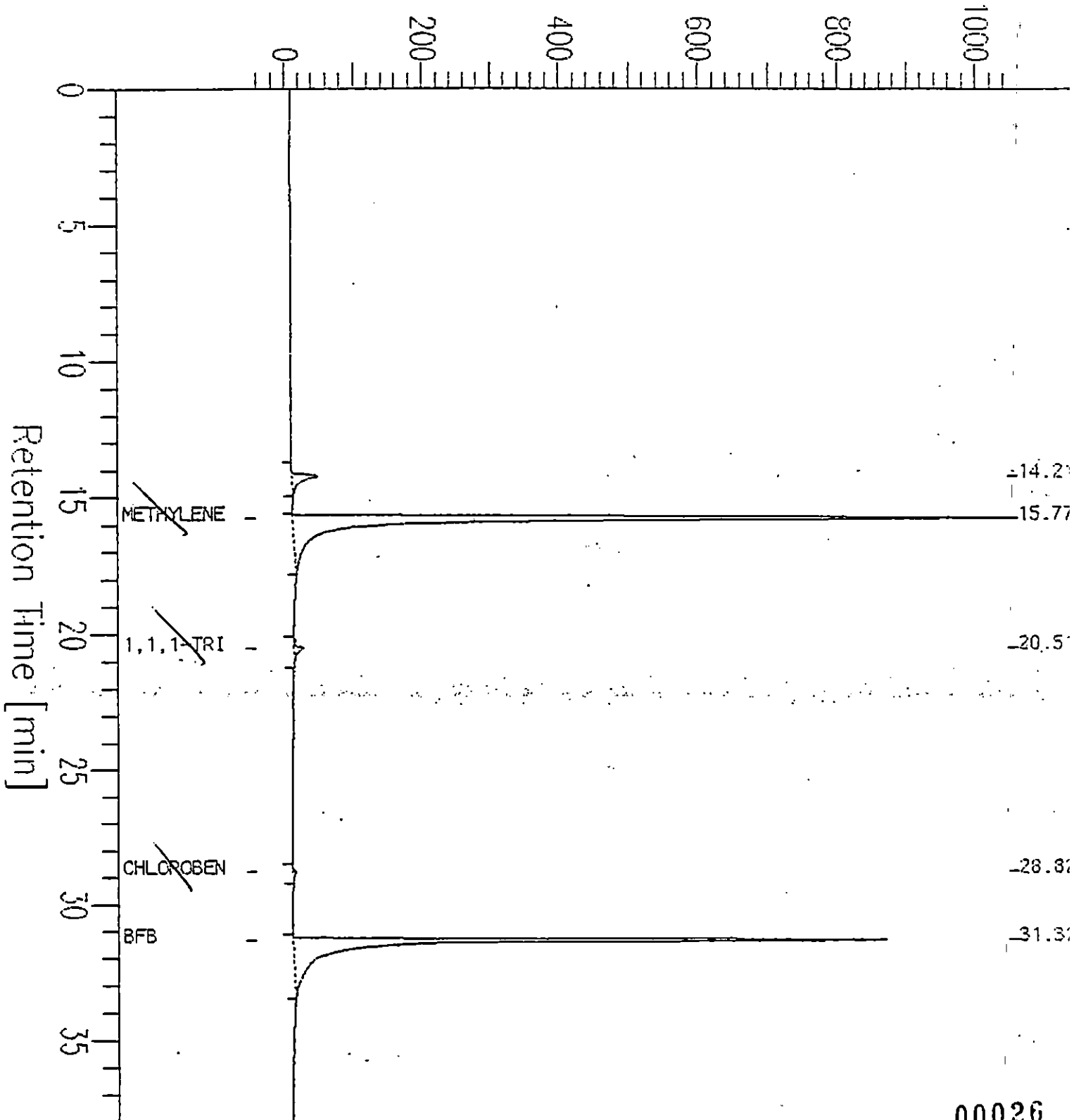
Page 1 of 1

High Point : 1044.63

C.A. Pick 8/8/91

A

Response [mV]



00026

Chromatogram

Sample Name : 9321-003

FileName : c:\2700\data\QA15008.raw

Start Time : 0.00 min

Scale Factor: 1

End Time : 33.00 min

Plot Offset: 8 mV

Sample #: 8-10(9-11)

Date : 8/15/91 07:43 PM

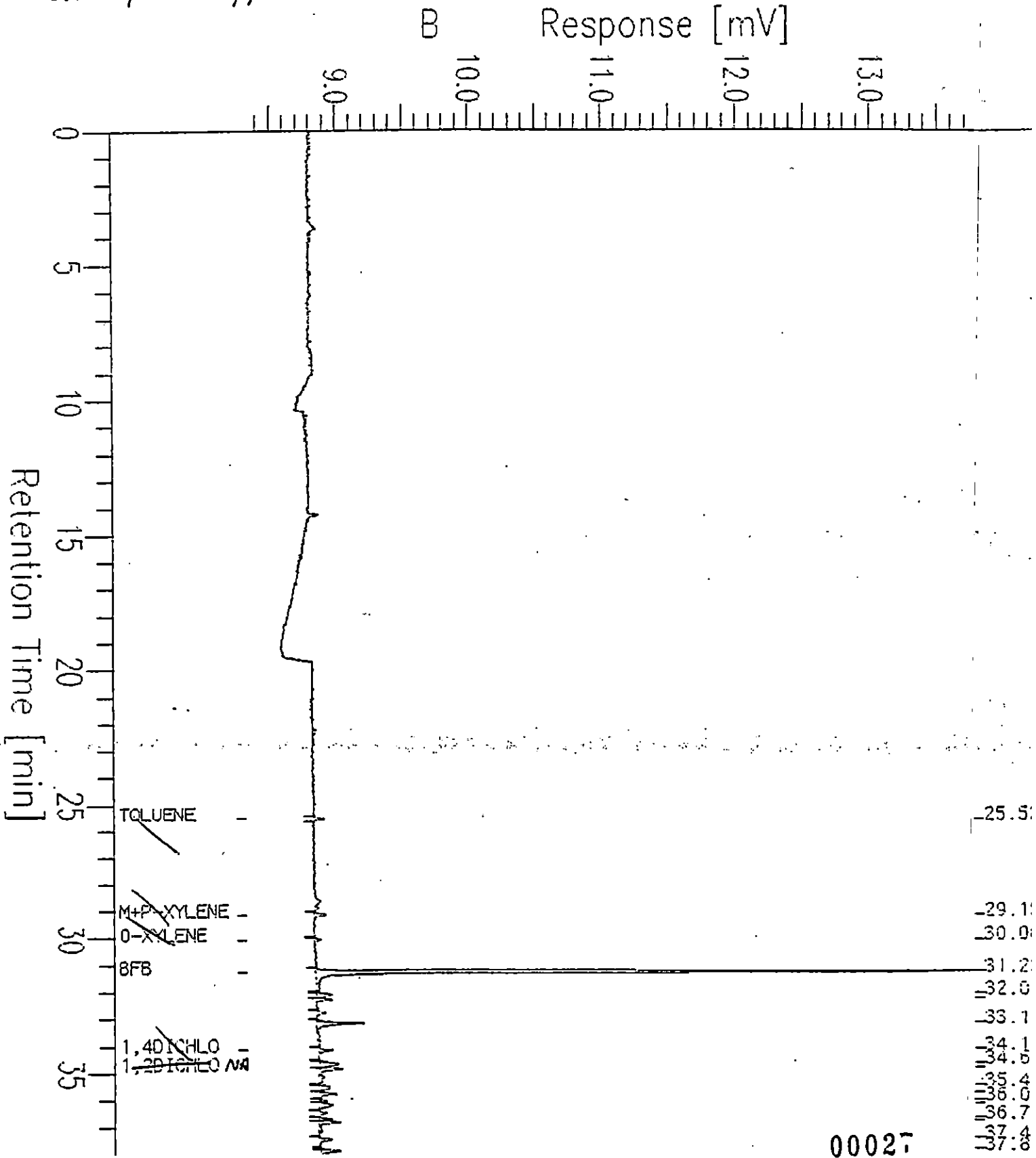
Low Point : 8.31 mV

Plot Scale: 5 mV

Page 1 of 1

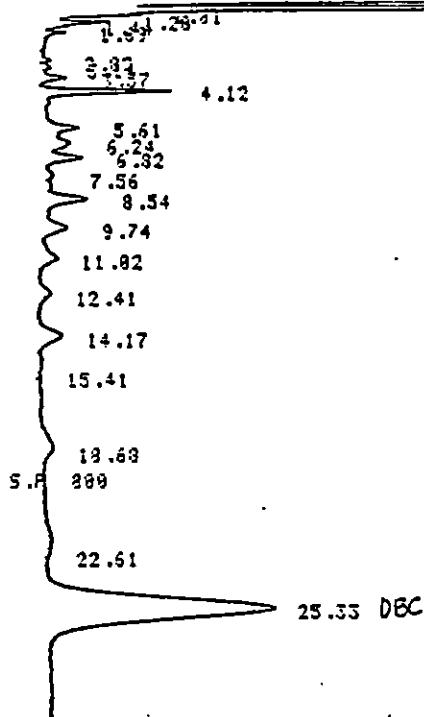
High Point : 13.75 mV

C.A. Rich 8/19/91



00027

2nd CARTRIDGE 9321-003 B-10 (9-11) 9/8 → 5/13 30/1
CH. 2 C.S 5.00 ATT 1 OFFS 5 08/16/91 12:58



TEMP: ISO 290 C
1.5%SP2250/1.95%SP2401
6FT/4MM ID ECD
TRACOR 222 A 2
METH'S 608 /5099 /8030 /8150

D-2000

08/16/91 12:58

SAMPLE: PCB TAG: 425 CH: 2

FILE: 2 CALC-METHOD: AREA2 TABLE: 0 CONC: AREA

NO.	RT	AREA	WEIGHT	PRT	SC	NAME
1	0.39	13466	4925	0.39	8U	
2	0.36	21786	4861	0.36	UU	
3	0.46	23314	7454	0.46	UU	
4	0.70	50652	11627	0.70	UU	
5	0.85	2555	1097	0.85	TBB	
13	4.12	3533	325	4.12	BB	
14	5.61	976	68	5.61	BB	
16	6.82	1290	83	6.82	BB	
18	8.54	1806	96	8.54	BB	
19	9.74	1420	59	9.74	BB	
22	14.17	1531	54	14.17	BB	
26	25.33	34291	577	25.33	BB	
TOTAL		156622	30236			
PEAK REJ :	899					
RAW DATA STORAGE NO.		66				

00028

nytest environmental inc

VOLATILE ORGANICS: METHOD 601/602

Sample ID: VBLK
 Lab Sample ID No.: VBLK
 Sample Size: 5g
 % Moisture: NA

Log in No.: 9321

Parameter(s)	Cas #	MDL (ug/kg)	Found (ug/kg)
Bromodichloromethane	75-27-4	1.0	ND
Bromoform	75-25-2	1.0	ND
Bromomethane	74-83-9	1.0	ND
Carbon Tetrachloride	56-23-5	1.0	ND
Chlorobenzene	108-90-7	1.0	ND
Chloroethane	75-00-3	1.0	ND
2-Chloroethylvinyl ether	100-75-8	1.0	ND
Chloroform	67-66-3	1.0	ND
Chloromethane	74-87-3	1.0	ND
Dibromochloromethane	124-48-1	1.0	ND
1,2-Dichlorobenzene	95-50-1	1.0	ND
1,3-Dichlorobenzene	541-73-1	1.0	ND
1,4-Dichlorobenzene	106-46-7	1.0	ND
1,1-Dichloroethane	75-46-7	1.0	ND
1,2-Dichloroethane	107-06-2	1.0	ND
1,1-Dichloroethene	75-35-4	1.0	ND
trans-1,2-Dichloroethene	156-60-5	1.0	ND
1,2-Dichloropropane	78-87-5	1.0	ND
cis-1,3-Dichloropropene	10061-01-5	1.0	ND
trans-1,3-Dichloropropene	10061-02-5	1.0	ND
Methylene Chloride	75-09-2	1.0	ND
1,1,2,2-Tetrachloroethane	79-34-5	1.0	ND
Tetrachloroethene	127-18-4	1.0	ND
1,1,1-Trichloroethane	71-55-6	1.0	ND
1,1,2-Trichloroethane	79-00-5	1.0	ND
Trichloroethene	79-01-6	1.0	ND
Trichlorofluoromethane	75-69-4	1.0	ND
Vinyl Chloride	75-01-4	1.0	ND
Benzene	71-43-2	1.0	ND
Toluene	108-88-3	1.0	ND
Ethyl Benzene	100-41-4	1.0	ND
Xylenes (Total)	-	1.0	ND

00029

1 D-T
NYTEST ENVIRONMENTAL INC.

TCL PESTICIDE/PCB ORGANICS ANALYSIS DATA SHEET

SAMPLE MATRIX: SOIL SAMPLE ID: PBLK1
CONC. LEVEL: LOW LAB SAMPLE ID: PBLK1
EXTRACTION DATE: 8/13/91 DIL FACTOR: 1.00
ANALYSIS DATE: 8/16/91 % MOISTURE: NA

CMPD #	CAS Number	PESTICIDE/PCB COMPOUND	UG/KG
			(DRY BASIS)
1	319-84-6	Alpha-BHC	NA
2	319-85-7	Beta-BHC	NA
3	319-86-8	Delta-BHC	NA
4	58-89-9	Gamma-BHC(Lindane)	NA
5	76-44-8	Heptachlor	NA
6	309-00-2	Aldrin	NA
7	1024-57-3	Heptachlor Epoxide	NA
8	959-98-8	Endosulfan I	NA
9	60-57-1	Dieldrin	NA
10	72-55-9	4,4'-DDE	NA
11	70-20-8	Endrin	NA
12	33213-65-9	Endosulfan II	NA
13	72-54-8	4,4-DDD	NA
14	1031-07-8	Endosulfan Sulfate	NA
15	50-29-3	4,4'-DDT	NA
16	53494-70-5	Endrin Ketone	NA
17	72-43-5	Methoxychlor	NA
18	57-74-9	Chlordane	NA
19	8001-35-2	Toxaphene	NA
20	12674-11-2	Aroclor-1016	80.000 U.
21	11104-28-2	Aroclor-1221	80.000 U.
22	11141-16-5	Aroclor-1232	80.000 U.
23	53469-21-9	Aroclor-1242	80.000 U.
24	12672-29-6	Aroclor-1248	80.000 U.
25	11097-69-1	Aroclor-1254	160.000 U.
26	11096-82-5	Aroclor-1260	160.000 U.

00030

2 D
 NYTEST ENVIRONMENTAL INC.
 PESTICIDE SURROGATE RECOVERY

LOG IN #: 9321 PAGE #: 1

MATRIX: SOIL

|<<<PESTICIDE>>>|

	SAMPLE #	DBC	PEST OUT
	=====	=====	=====
01	PBLK1	133 OK	0
02	B-9(4-6)	77 OK	0
03	B-11(9-11)	74 OK	0
04	B-10(9-11)	70 OK	0
05			
06			
07			
08			
09			
10			
11			
12			
13			
14			
15			
16			
17			
18			
19			
20			
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24			
25			
26			
27			
28			
29			
30			

LIMITS

DBC 5 - 325

* SURROGATES OUTSIDE QC LIMITS

00031

3 A
NYTEST ENVIRONMENTAL INC.

VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

LOGIN #: 9321

MATRIX: SOIL

PAGE: 1

FRACTION	COMPOUND	CONC. SPIKE ADDED (ug)	SAMPLE RESULT	CONC. MS	% RECOVERY	CONC. MSD	% RECOVERY	RPD	QC LIMITS	
									RPD	RECOVERY
SAMPLE # B-11(9-11) NYTEST # 9321002	1,1-DICHLOROETHENE	50	0.00	49.00	98.00 OK	48.00	96.00 OK	2.06 OK	16	15 -160
	TRICHLOROETHENE	50	0.00	46.00	92.00 OK	47.00	94.00 OK	2.15 OK	40	50 -115
	BENZENE	50	0.00	41.00	82.00 OK	43.00	86.00 OK	4.76 OK	18	60 -125
	TOLUENE	50	0.00	43.00	86.00 OK	45.00	90.00 OK	4.55 OK	17	25 -175
	CHLOROBENZENE	50	0.00	47.00	94.00 OK	49.00	98.00 OK	4.17 OK	15	45 -135

OF % MS/MSD 0 OF 10
VOA OUT: _____

OF RPD 0 OF 5
VOA OUT: _____

00032

3 D PCB
NYTEST ENVIRONMENTAL INC.

PCB MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

LOGIN #: 9321

MATRIX: SOIL

PAGE: 1

FRACTION	COMPOUND	CONC. SPIKE		CONC. MS	% RECOVERY	CONC. MSD	% RECOVERY	RPD	QC LIMITS	
		ADDED ppm	SAMPLE RESULT						RPD	RECOVERY
SAMPLE # PSS-1 NYTEST # 8614004	PCB 1016	10.00	0.00	9.20	92.00 OK	8.20	82.00 OK	11.49 OK	23	10 -230
	PCB 1260	10.00	0.00	14.10	141.00 OK	13.80	138.00 OK	2.15 OK	28	10 -195

OF % MS/MSD 0 OF 4
PEST OUT: —

OF RPD 0 OF 2
PEST OUT: —

00033



TOTAL ANALYTICAL SERVICES FOR A SAFE ENVIRONMENT

nytest environmental inc.

Project No.: 9118057
Log in No. : 9241
P.O. No. : Pending
Date : August 30, 1991

ANALYTICAL DATA REPORT
PACKAGE FOR

CA Rich Consultants

404 Glen Cove Ave

Sea Cliff, NY 11579

ATTN: Bruce Beck
REF: Meadowbrook Realty

LABORATORY
NUMBER

SAMPLE
IDENTIFICATION

TYPE OF
SAMPLE

SEE NEXT PAGE

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

PARAG K. SHAH, Ph. D.
ORGANIC LAB. MANAGER
mar

RESPECTFULLY SUBMITTED,
NYTEST ENVIRONMENTAL INC.

Douglas Sheeley
DOUGLAS SHEELEY
LABORATORY DIRECTOR
NJ Cert# 73469

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

NYTEST ENVIRONMENTAL Inc.

LABORATORY
NUMBER

SAMPLE
IDENTIFICATION

TYPE OF
SAMPLE

9241001
9241002
9241003
9241004
9241005
9241006
9241007

HP-3
HP-4
B4 (14-16)
B5 (14-16)
B6 (9-11)
B7 (14-16)
B8 (4-6)

Water
Water
Soil
Soil
Soil
Soil
Soil

Table of Contents

Log in No.: 9241

	Page
I. Sample Analysis Request Form	NA
II. Chain of Custody.	1
III. Laboratory Deliverable Checklist.	NA
IV. Laboratory Chronicle.	2
V. Non Conformance Summary (Case Narrative).	3
VI. Methodology Summary	4 - 7
VII. Data Reporting Comment Page.	8
VIII. Sample Results	9 - 53
IX. Quality Assurance Summary (Including Initial and Continuing Calibration Time and Date)	54 - 59



TOTAL ANALYTICAL SERVICES FOR A SAFE ENVIRONMENT

nytest environmental inc

CHAIN OF CUSTODY RECORD

SHIP TO: Nytest Environmental Inc.
60 Seaview Blvd.
Port Washington, NY 11050
(516) 625-5500
Attn. _____

REPORT TO: Client Name

Address

Phone

Attn.

Page 1 of 1
CA RICH CONSULTANTS
104 GREEN LANE
SEAF CLIFF, NY 11579
624-3887

Project No.	Project Name	Date Shipped	Carrier	
	NYU - WESTBURY			
Sampler (Signature)	Analytical Protocol	Air Bill No.	Cooler No.	
Sample I.D.	Date/Time Sampled	Sample Description	No. Of Containers	ANALYSIS REQUESTED
HP-3	8/2 AM	WATER	5	601/602 VOC, TPHC, PCB, RCRA METALS
HP-4	8/2 PM	WATER	5	601/602 VOC, TPHC, PCB, RCRA METALS
B-4(14-16)	8/2 AM	SOIL	3	801/8020 VOC, TPHC, PCB, RCRA METALS
B-5(14-16)	8/2 PM	SOIL	3	801/8020 VOC, TPHC, PCB, RCRA METALS
B-6(9-11)	8/2 PM	SOIL	3	801/8020 VOC, TPHC, PCB, RCRA METALS
B-7(14-16)	8/2 PM	SOIL	3	801/8020 VOC, TPHC, PCB, RCRA METALS
B-8(4-6)	8/2 PM	SOIL	3	801/8020 VOC, TPHC, PCB, RCRA METALS

Relinquished by (Signature)	Date / Time	Rec'd. By (Signature)	Date / Time
	8/2/91 4:45		
Print Name		Print Name	
Relinquished by (Signature)	Date / Time	Rec'd. by (Signature)	Date / Time
Print Name		Print Name	
Relinquished by (Signature)	Date / Time	Received for Laboratory by (Signature)	Date / Time
			8/6/91 4:45
Print Name		Print Name	

Special Instructions/Comments

00001

Laboratory Chronicle

Client Name: C.A. Rich Consultants
Date Received: 8/02/91
Sample ID: As per chain of custody

Log In No.: 9321

Organics Extraction:

1. Acids _____

2. Base/Neutrals _____

8/07/91

3. Pesticides/PCBs _____

4. Dioxin _____

Analysis:

8/06/91

1. Volatiles _____

2. Acids _____

3. Base/Neutrals _____

8/13/91

4. Pesticides/PCBs _____

5. Dioxin _____

Section Supervisor

Review & Approval _____

Inorganics:

8/18/91, 8/20/91, 8/26/91

1. Metals _____

2. Cyanides _____

3. Phenols _____

Other Analysis:

TPHC - 8/16/91

Section Supervisor

Review & Approval _____

Quality Control Supervisor

Review & Approval _____

If fractions are re-extracted and re-analyzed include dates for both.

00002

NON-CONFORMANCE SUMMARY
(Case Narrative)

Log In No: 9241

Samples were analyzed as per required protocols, no problems were encountered.

METHODOLOGY SUMMARYAQUEOUS METHODOLOGIES:REF 1REF 2REF 3

BNA, Pesticides/PCB's Extraction

3510

AA/ICP Sample Preparation

200.7

Furnace Sample Preparation

200.0

Mercury Sample Preparation

245.1

Hexavalent Chromium Sample Preparation

218.5

Clean-Up

3610/3640

Organochlorine Pesticides and PCB's

by Gas Chromatography

608

Herbicides by Gas Chromatography

362

Purgeable Organics by GC/MS

624

Base/Neutral, Acids by GC/MS

625

2,3,7,8-TCDD by GC/MS

613/625

BTEX

602

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

3610/3640

Gas Chromatography/Mass Spectrometry:

Purgeable Organics

8240

Base/Neutral and Acid Extractables

8270

Organophosphorous Pesticides

8140

Organochlorine Pesticides and PCB's

by Gas Chromatography

8080

BTEX

8020

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

nytest environmental inc

METHODOLOGY SUMMARY

ADDITIONAL INORGANIC PARAMETERS:

REFERENCE 1

REFERENCE 2

Bromide	320.1	
Color	110.2	
Conductance	120.1	
Conductance		9050
Odor	140.1	
pH	150.1	
pH		9040
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	335.3	
Oil and Grease	413.1/413.2	
Oil and Grease		9070
Fluoride	340.2	
TKN	351.2	
NO2/NO3	353.2	
D.O.	360.2	
Petroleum Hydrocarbons (Reference 4)	418.1	
Phenol	420.2	
Phosphorous	365.1	
Silica	370.1	
Sulfate	375.2/375.4	
Sulfide	376.1	
Surfactants	425.1	
TOC	415.1	
TOX		9022

MISCELLANEOUS ANALYSIS:

Extraction Procedure Toxicity	1310
Ignitability	1010
Corrosivity	1110
Reactivity	Chapter 8.3
Toxicity Characteristic Leaching Procedure (TCLP)	(Ref. 5)

00006

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) as modified by NJDEP-BISE (for non-aqueous samples)
- (5) Federal Register Vol. 51, No. 216 Friday, 11/7/86, pp. 40643-40652

DATA REPORTING COMMENT PAGE

QUALIFIERS:

- U - Indicates compound was analyzed for but not detected. The number is the detection limit for the sample.
- J - Indicates an estimated value. This flag is used either when estimating a concentration for tentatively identified compounds where a 1:1 response is assumed or when the mass spectral data indicates the presence of a compound that meets the identification criteria but the result is less than the reported detection limit but greater than zero.
- B - This flag is used when the analyte is found in the method blank as well as in the sample.
- T - This flag identifies all targeted compounds that were found above the method detection limits.
- A - Aldol Condensation Product (formed from Acetone reacting with Methylene Chloride solvents used in the extraction of soil samples, not associated with sample constituents)
- D - Diluted out
- NA - Not applicable by contract

Data on soil samples are expressed on a dry weight basis.

All non-aqueous samples are reported on soil forms. This includes samples whose matrix is listed as miscellaneous.

The Initial and Continuing Calibration dates and times for the volatile fractions are listed on the BFB summary forms.

The Initial and Continuing Calibration dates and times for the semivolatile fractions are listed on the DFTPP summary forms.

SAMPLE SUFFIXES: RE - Re-analyzed sample
DL - Sample analyzed at a secondary dilution

METHOD BLANK NOMENCLATURE - FBLK##:

- F - Fraction (V for Volatiles, S for Semivolatiles)
- BLK - Indicates a blank
- ## - Arbitrarily assigned number for that blank

GC/MS STANDARD NOMENCLATURE - FSTD###:

- F - Fraction (V for Volatiles, S for Semivolatiles)
- STD - Indicates a standard
- ### - Concentration in ppb of Volatile standards, or amount injected in ng for Semivolatile standards

nytest environmental_{inc}

REPORT OF ANALYSIS

Log in No.: 9241

We find as follows:

Results in mg/kg (dry weight basis) except where noted:

Sample Identification	Parameter(s)
-----	-----
	Total Petroleum Hydrocarbons

9241001 HP-3	<1.0 mg/l
9241002 HP-4	<1.0 mg/l
9241003 B4(14-16)	<10.0
9241004 B5(14-16)	261
9241005 B6(9-11)	<10.0
9241006 B7(14-16)	<10.0
9241007 B8(4-6)	128
Soil Method Blank	<10.0
Water Method Blank	<1.0 mg/l

00009

nytest environmental inc

REPORT OF ANALYSIS

Log In No.: 9241

We find as follows:

Results in mg/l:

Parameter(s) -----	Sample Identification -----		
	HP-3 (9241001) -----	HP-4 (9241002) -----	Method Blank -----
Arsenic	<0.010	<0.010	<0.010
Barium	<0.20	<0.20	<0.20
Cadmium	<0.010	<0.010	<0.010
Chromium	<0.010	<0.010	<0.010
Lead	<0.050	<0.050	<0.050
Mercury	<0.0002	<0.0002	<0.0002
Selenium	<0.010	<0.010	<0.010
Silver	<0.010	<0.010	<0.010

00010

nytest environmental_{inc}

REPORT OF ANALYSIS

Log In No.: 9241

We find as follows:

Results in mg/kg (dry wt. basis):

Parameter(s) -----	Sample Identification -----			
	B4(14-16) (9241003) -----	B5(14-16) (9241004) -----	B6(9-11) (9241005) -----	B7(14-16) (9241006) -----
Arsenic	<5.0	<5.0	<5.0	<5.0
Barium	<10.0	<10.0	<10.0	<10.0
Cadmium	<1.0	<1.0	<1.0	<1.0
Chromium	7.13	7.68	<5.0	<5.0
Lead	<5.0	<5.0	<5.0	<5.0
Mercury	<0.1	<0.1	<0.1	<0.1
Selenium	<1.0	<1.0	<1.0	<1.0
Silver	<5.0	<5.0	<5.0	<5.0

00011

nytest environmental_{inc}

REPORT OF ANALYSIS

Log In No.: 9241

We find as follows:

Results in mg/kg (dry wt. basis):

Parameter(s) -----	Sample Identification -----	
	B8(4-6) (9241007) -----	Method Blank -----
Arsenic	<5.0	<5.0
Barium	14.8	<10.0
Cadmium	<1.0	<1.0
Chromium	5.9	<5.0
Lead	15.9	<5.0
Mercury	<0.1	<0.1
Selenium	<1.0	<1.0
Silver	<5.0	<5.0

00012

nytest environmental inc

VOLATILE ORGANICS: METHOD 601/602

Sample ID: HP-3
Lab Sample ID No.: 9241001
Sample Size: 5ml

Log in No.: 9241

Parameter(s)	Cas #	MDL (ug/kg)	Found (ug/kg)
Bromodichloromethane	75-27-4	1.0	ND
Bromoform	75-25-2	1.0	ND
Bromomethane	74-83-9	1.0	ND
Carbon Tetrachloride	56-23-5	1.0	ND
Chlorobenzene	108-90-7	1.0	ND
Chloroethane	75-00-3	1.0	ND
2-Chloroethylvinyl ether	100-75-8	1.0	ND
Chloroform	67-66-3	1.0	ND
Chloromethane	74-87-3	1.0	ND
Dibromochloromethane	124-48-1	1.0	ND
1,2-Dichlorobenzene	95-50-1	1.0	ND
1,3-Dichlorobenzene	541-73-1	1.0	ND
1,4-Dichlorobenzene	106-46-7	1.0	ND
1,1-Dichloroethane	75-46-7	1.0	ND
1,2-Dichloroethane	107-06-2	1.0	ND
1,1-Dichloroethene	75-35-4	1.0	ND
trans-1,2-Dichloroethene	156-60-5	1.0	ND
1,2-Dichloropropane	78-87-5	1.0	ND
cis-1,3-Dichloropropene	10061-01-5	1.0	ND
trans-1,3-Dichloropropene	10061-02-5	1.0	ND
Methylene Chloride	75-09-2	1.0	ND
1,1,2,2-Tetrachloroethane	79-34-5	1.0	ND
Tetrachloroethene	127-18-4	1.0	ND
1,1,1-Trichloroethane	71-55-6	1.0	ND
1,1,2-Trichloroethane	79-00-5	1.0	ND
Trichloroethene	79-01-6	1.0	ND
Trichlorofluoromethane	75-69-4	1.0	ND
Vinyl Chloride	75-01-4	1.0	ND
Benzene	71-43-2	1.0	ND
Toluene	108-88-3	1.0	32 T
Ethyl Benzene	100-41-4	1.0	16 T
Xylenes (Total)	-	1.0	57 T

00013

1 D-T
NYTEST ENVIRONMENTAL INC.

TCL PESTICIDE/PCB ORGANICS ANALYSIS DATA SHEET

SAMPLE MATRIX: WATER SAMPLE ID: HP-3
CONC. LEVEL: LOW LAB SAMPLE ID: 9241001
EXTRACTION DATE: 8/07/91 DIL FACTOR: 1.00
ANALYSIS DATE: 8/13/91 % MOISTURE: NA

UG/L

CMPO #	CAS Number	PESTICIDE/PCB COMPOUND	
1	319-84-6	Alpha-BHC	NA
2	319-85-7	Beta-BHC	NA
3	319-86-8	Delta-BHC	NA
4	58-89-9	Gamma-BHC(Lindane)	NA
5	76-44-8	Heptachlor	NA
6	309-00-2	Aldrin	NA
7	1024-57-3	Heptachlor Epoxide	NA
8	959-98-8	Endosulfan I	NA
9	60-57-1	Dieldrin	NA
10	72-55-9	4,4'-DDE	NA
11	70-20-8	Endrin	NA
12	33213-65-9	Endosulfan II	NA
13	72-54-8	4,4'-DDD	NA
14	1031-07-8	Endosulfan Sulfate	NA
15	50-29-3	4,4'-DDT	NA
16	53494-70-5	Endrin Ketone	NA
17	72-43-5	Methoxychlor	NA
18	57-74-9	Chlordane	NA
19	8001-35-2	Toxaphene	NA
20	12674-11-2	Aroclor-1016	0.500 U.
21	11104-28-2	Aroclor-1221	0.500 U.
22	11141-16-5	Aroclor-1232	0.500 U.
23	53469-21-9	Aroclor-1242	0.500 U.
24	12672-29-6	Aroclor-1248	0.500 U.
25	11097-69-1	Aroclor-1254	1.000 U.
26	11096-82-5	Aroclor-1260	1.000 U.

00014

Chromatogram

Sample Name : 9241-001

FileName : c:\2700\data2\PA07006.raw

Start Time : 0.00 min

Scale Factor: 1

End Time : 38.00 min

Plot Offset: -28 mV

Sample #: HP-3

Date : 8/6/91 04:38 PM

Low Point : -28.38 mV

Plot Scale: 748 mV

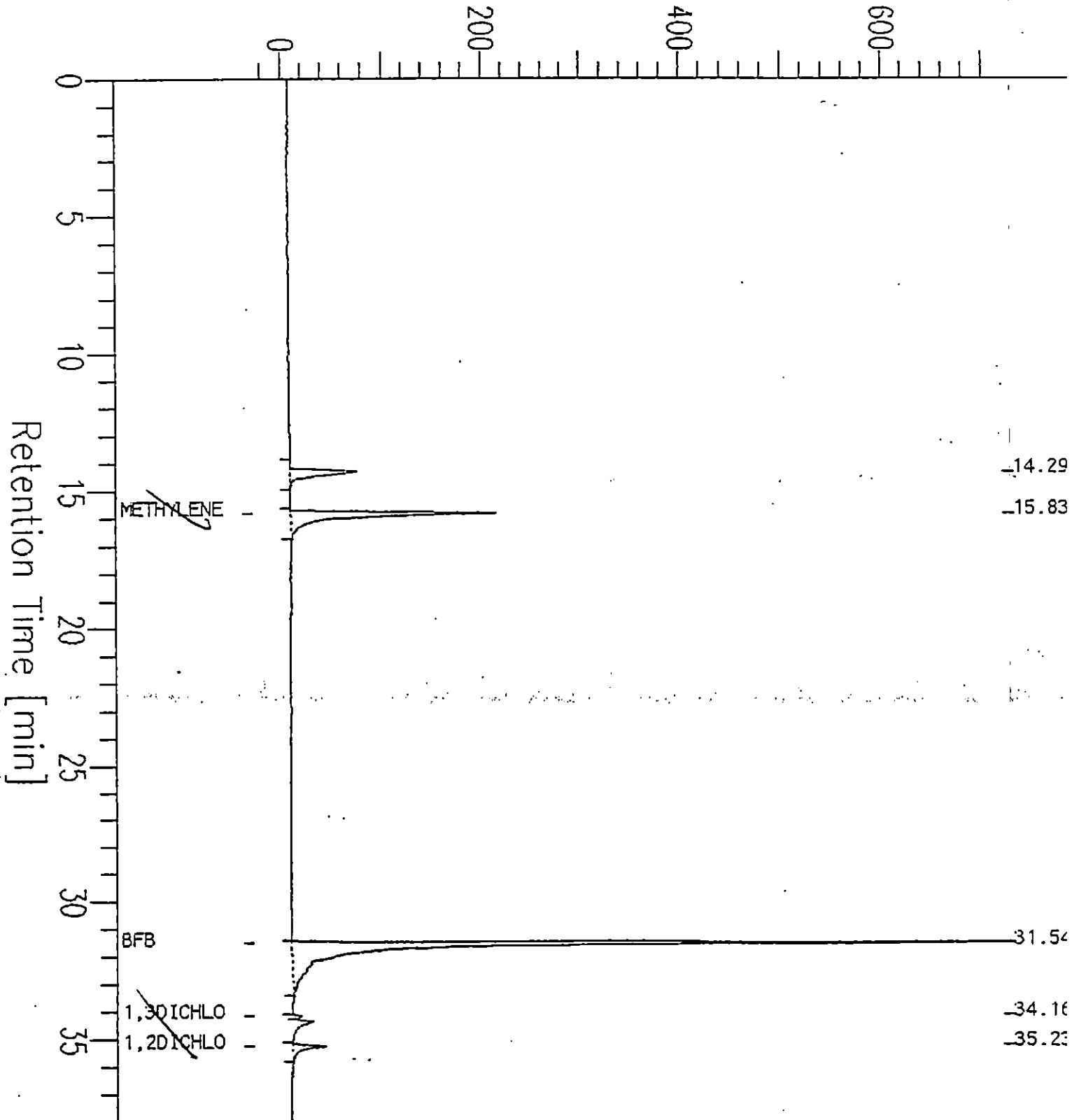
Page 1 of 1

High Point : 719.72

C. A. Pick 8/2/91

A

Response [mV]



00015

Chromatogram

Sample Name : 9241-001

FileName : c:\2700\data0\QA07006.raw

Start Time : 0.00 min

Scale Factor: 1

End Time : 38.00 min

Plot Offset: 6 mV

Sample #: HP-3

Date : 8/6/91 04:36 PM

Low Point : 5.70 mV

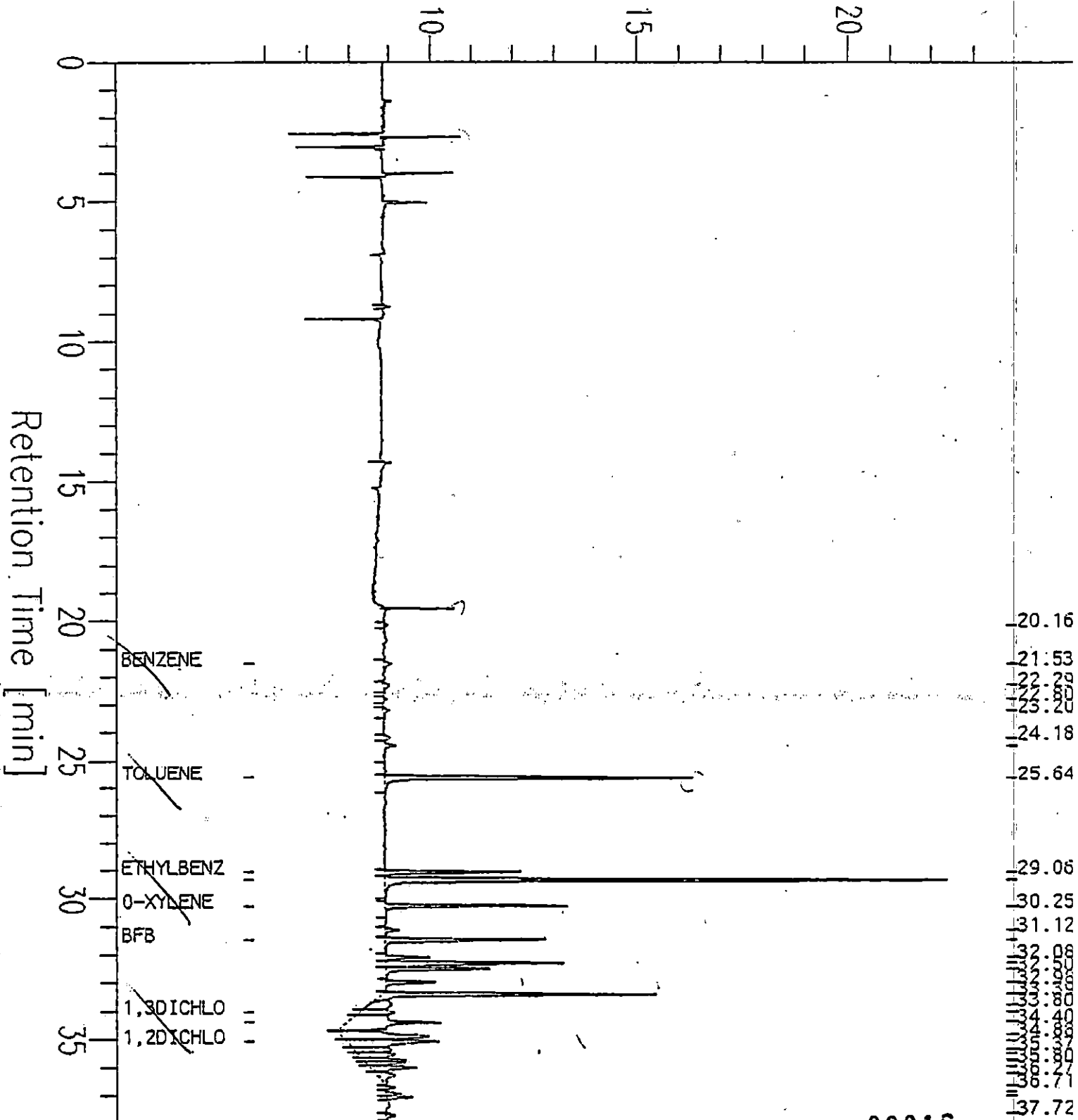
Plot Scale: 18 mV

Page 1 of 1

High Point : 23.74 m

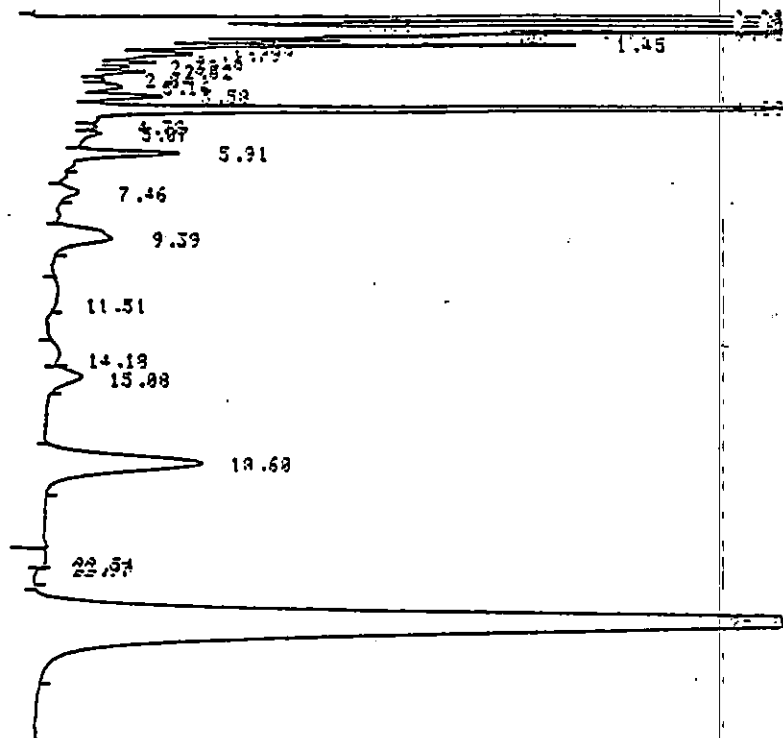
C.A. Rich 8/2/91 B

Response [mV]



00016

2.0ul C.A. Rich Co. 9241-001 HP-3 2/2 → 2/7 1000/11
 CH. 2 C.S 5.00 ATT 1 OFFS 5 08/13/91 15:22



TEMP:150 200 C
 1.5XSP2250/1.95XSP2401
 6PT:4MM ID ECO
 TRACOR 222 A 2
 METH'S 603 /5099 /3000 /8159

D-2000

08/13/91 15:22

SAMPLE: PCB

TAG: 392 CH: 2

FILE: 2 CALC-METHOD: AREA% TABLE: 0 CONC: AREA

NO.	RT	AREA	HEIGHT	RTT	SC	NAME
1	0.23	39675	9251	0.23	UU	
2	0.37	16812	2571	0.37	UU	
3	0.45	10456	4389	0.45	TBB	
5	0.72	97720	14253	0.72	UU	
6	0.84	9036	2618	0.84	UU	
7	0.91	3636	1342	0.91	UU	
8	0.96	19908	2370	0.96	UU	
9	1.08	6048	1089	1.08	UU	
10	1.24	6485	798	1.24	UU	
11	1.45	8537	1376	1.45	UU	
12	1.56	2326	437	1.56	UU	
13	1.79	7777	399	1.79	UU	
14	2.16	2993	302	2.16	UU	
15	2.32	2529	234	2.32	UU	
16	2.52	3530	268	2.52	UU	
17	2.84	1844	161	2.84	UU	
18	3.16	4637	204	3.16	UU	
19	3.58	4807	298	3.58	UU	
20	4.09	34054	2721	4.09	UU	
21	4.78	1827	116	4.78	UU	
22	5.07	3378	121	5.07	UU	
23	5.91	5637	308	5.91	UU	
24	7.46	996	48	7.46	UU	
25	9.39	5400	143	9.39	UU	
28	15.08	2526	75	15.08	UU	
29	18.60	17967	402	18.60	UU	
30	22.54	2448	58	22.54	UU	
32	25.20	134724	2353	25.20	UU	

TOTAL 440333 48735

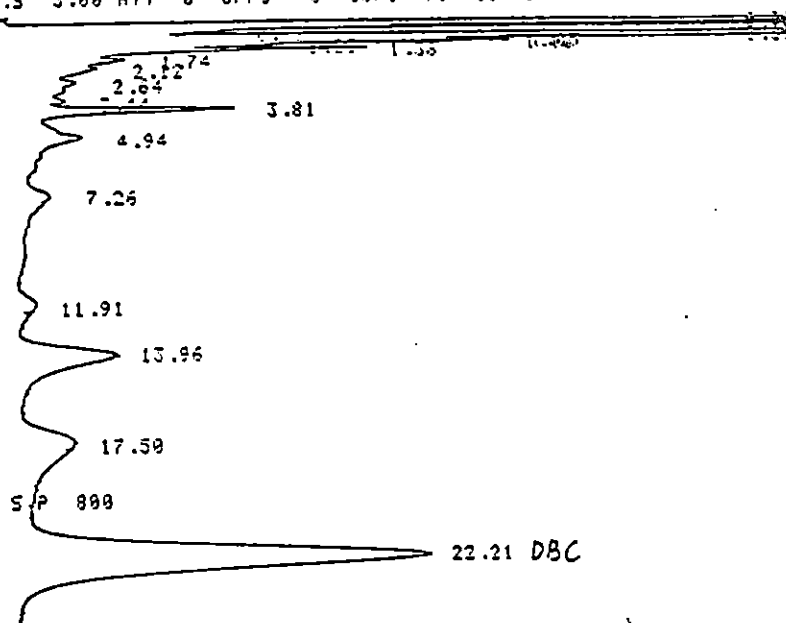
PEAK REJ : 899

RAW DATA STORAGE NO.

57

00017

anal C.A. Rich 9241-001 HP-3 2/2 → 2/7 100/10
 CH. 1 C.S 5.00 ATT 0 OFFS 0 03/14/91 11:43



TEMP: 150 200 C
 4%SE30/6%SP2401
 6FT/2MM ID ECD
 TRACOR 222 A 1
 METH'S 608 /5098 /8088 /8150

D-2000

03/14/91 11:43

SAMPLE: PCB

TAG: 114 CH: 1

FILE: 1 CALC-METHOD: AREA% TABLE: 0 CONC: AREA

NO.	RT	AREA	HEIGHT	RRT	BC	NAME
1	0.29	14519	3220	0.29	8U	
2	0.40	9722	981	0.40	UU	
3	0.50	3729	1383	0.50	T89	
5	0.86	37054	4304	0.86	UU	
6	1.05	2768	603	1.05	UU	
7	1.12	3640	613	1.12	UU	
8	1.23	1666	319	1.23	UU	
9	1.38	4496	428	1.38	UU	
10	1.74	1996	116	1.74	UU	
11	2.12	1544	74	2.12	UU	
12	2.64	716	36	2.64	VB	
14	3.81	3041	231	3.81	B3	
15	4.94	753	37	4.94	B8	
16	7.26	811	22	7.26	B9	
17	11.91	547	16	11.91	B8	
18	13.96	6276	116	13.96	B8	
19	17.59	3108	40	17.59	B8	
20	22.21	32210	500	22.21	B9	

TOTAL 128596 13047

PEAK REJ : 299

RAW DATA STORAGE NO. 11

00018

nytest environmental_{inc}

VOLATILE ORGANICS: METHOD 601/602

Sample ID: HP-4
Lab Sample ID No.: 9241002
Sample Size: 5ml

Log in No.: 9241

Parameter(s)	Cas #	MDL (ug/l)	Found (ug/l)
Bromodichloromethane	75-27-4	1.0	ND
Bromoform	75-25-2	1.0	ND
Bromomethane	74-83-9	1.0	ND
Carbon Tetrachloride	56-23-5	1.0	ND
Chlorobenzene	108-90-7	1.0	ND
Chloroethane	75-00-3	1.0	ND
2-Chloroethylvinyl ether	100-75-8	1.0	ND
Chloroform	67-66-3	1.0	ND
Chloromethane	74-87-3	1.0	ND
Dibromochloromethane	124-48-1	1.0	ND
1,2-Dichlorobenzene	95-50-1	1.0	ND
1,3-Dichlorobenzene	541-73-1	1.0	ND
1,4-Dichlorobenzene	106-46-7	1.0	ND
1,1-Dichloroethane	75-46-7	1.0	ND
1,2-Dichloroethane	107-06-2	1.0	ND
1,1-Dichloroethene	75-35-4	1.0	ND
trans-1,2-Dichloroethene	156-60-5	1.0	ND
1,2-Dichloropropane	78-87-5	1.0	ND
cis-1,3-Dichloropropene	10061-01-5	1.0	ND
trans-1,3-Dichloropropene	10061-02-5	1.0	ND
Methylene Chloride	75-09-2	1.0	ND
1,1,2,2-Tetrachloroethane	79-34-5	1.0	ND
Tetrachloroethene	127-18-4	1.0	ND
1,1,1-Trichloroethane	71-55-6	1.0	ND
1,1,2-Trichloroethane	79-00-5	1.0	ND
Trichloroethene	79-01-6	1.0	ND
Trichlorofluoromethane	75-69-4	1.0	ND
Vinyl Chloride	75-01-4	1.0	ND
Benzene	71-43-2	1.0	ND
Toluene	108-88-3	1.0	ND
Ethyl Benzene	100-41-4	1.0	ND
Xylenes (Total)	-	1.0	ND

00019

1 D-T

NYTEST ENVIRONMENTAL INC.

TCL PESTICIDE/PCB ORGANICS ANALYSIS DATA SHEET

SAMPLE MATRIX: WATER
CONC. LEVEL: LOW
EXTRACTION DATE: 8/07/91
ANALYSIS DATE: 8/13/91

SAMPLE ID: HP-4
LAB SAMPLE ID: 9241002
DIL FACTOR: 1.00
% MOISTURE: NA

UG/L

CMPD # CAS Number PESTICIDE/PCB COMPOUND

1	319-84-6	Alpha-BHC	NA
2	319-85-7	Beta-BHC	NA
3	319-86-8	Delta-BHC	NA
4	58-89-9	Gamma-BHC(Lindane)	NA
5	76-44-8	Heptachlor	NA
6	309-00-2	Aldrin	NA
7	1024-57-3	Heptachlor Epoxide	NA
8	959-98-8	Endosulfan I	NA
9	60-57-1	Dieldrin	NA
10	72-55-9	4,4'-DDE	NA
11	70-20-8	Endrin	NA
12	33213-65-9	Endosulfan II	NA
13	72-54-8	4,4-DDD	NA
14	1031-07-8	Endosulfan Sulfate	NA
15	50-29-3	4,4'-DDT	NA
16	53494-70-5	Endrin Ketone	NA
17	72-43-5	Methoxychlor	NA
18	57-74-9	Chlordane	NA
19	8001-35-2	Toxaphene	NA
20	12674-11-2	Aroclor-1016	0.500 U.
21	11104-28-2	Aroclor-1221	0.500 U.
22	11141-16-5	Aroclor-1232	0.500 U.
23	53469-21-9	Aroclor-1242	0.500 U.
24	12672-29-6	Aroclor-1248	0.500 U.
25	11097-69-1	Aroclor-1254	1.000 U.
26	11096-82-5	Aroclor-1260	1.000 U.

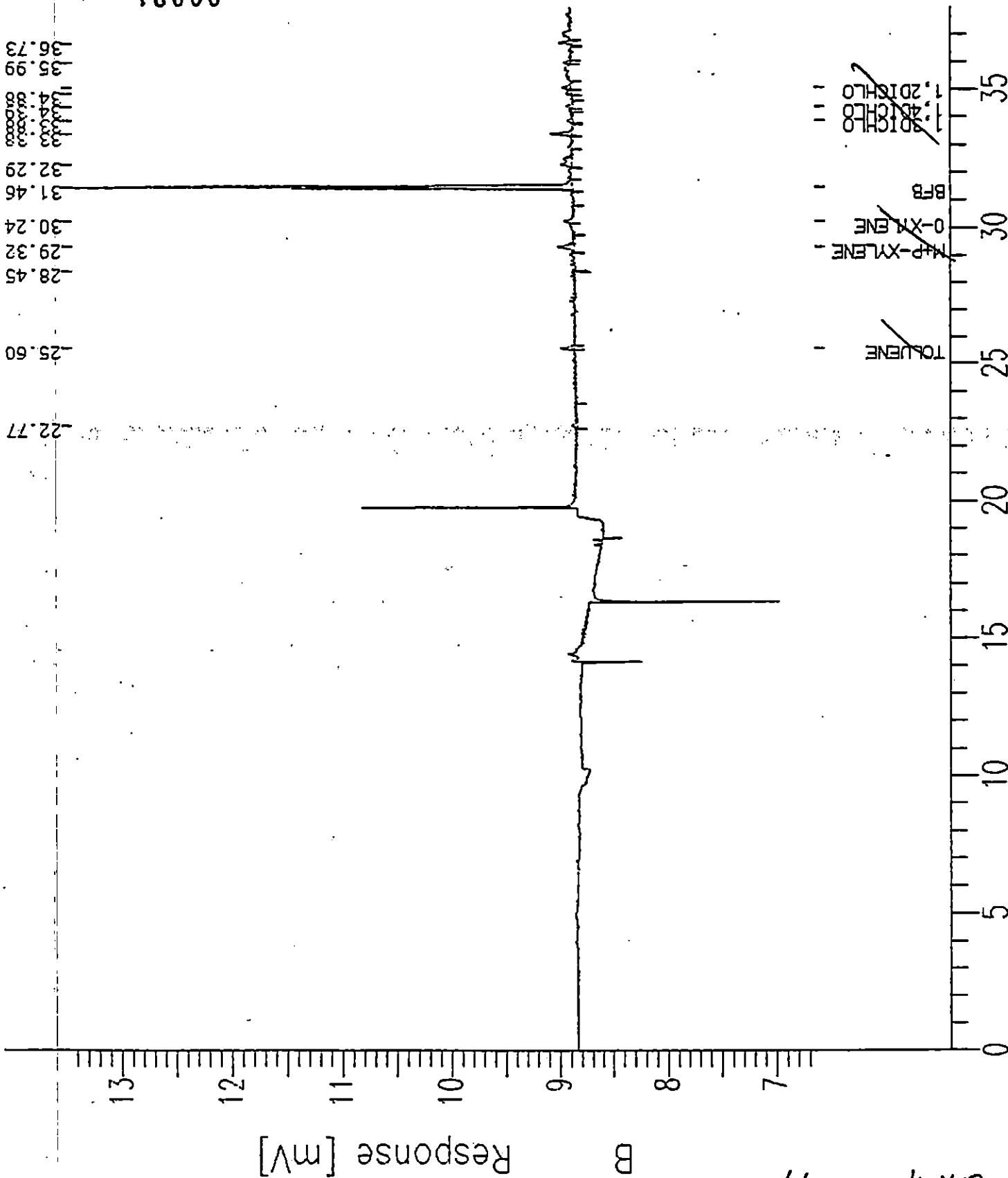
00020

Chromatogram

Sample Name : 9241-C02
 File Name : c:\2700\data\09\07\007.raw
 Start Time : 0.00 min
 End Time : 39.00 min
 Scale Factor : 1
 Plot Offset : 7 mV
 Sample #: HP-4
 Date : 8/6/91 05:31 PM
 Low Point : 6.65 mV
 Plot Scale : 7 mV
 High Point : 13.45 mV

Page 1 of 1

C.A. Rich 8/9/91



00021

Chromatogram

Sample Name : 9241-002

FileName : c:\2700\data2\PA07007.raw

Start Time : 0.00 min

Scale Factor: 1

End Time : 38.00 min

Plot Offset: -33 mV

Sample #: HP-4

Date : 8/6/91 05:32 PM

Low Point : -32.47 mV

Plot Scale: 834 mV

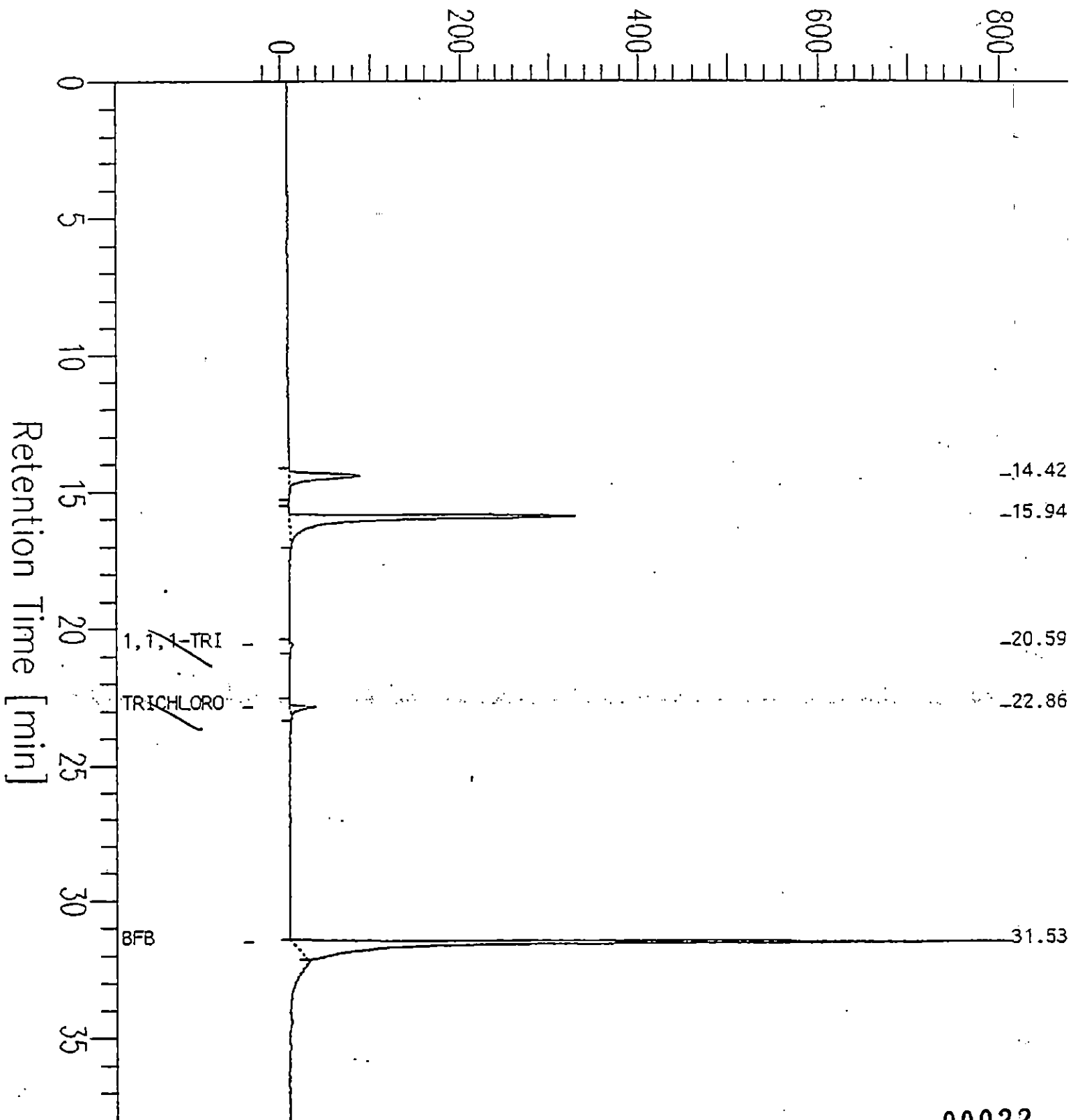
Page 1 of 1

High Point : 801.25

C.A. Pick 8/2/91

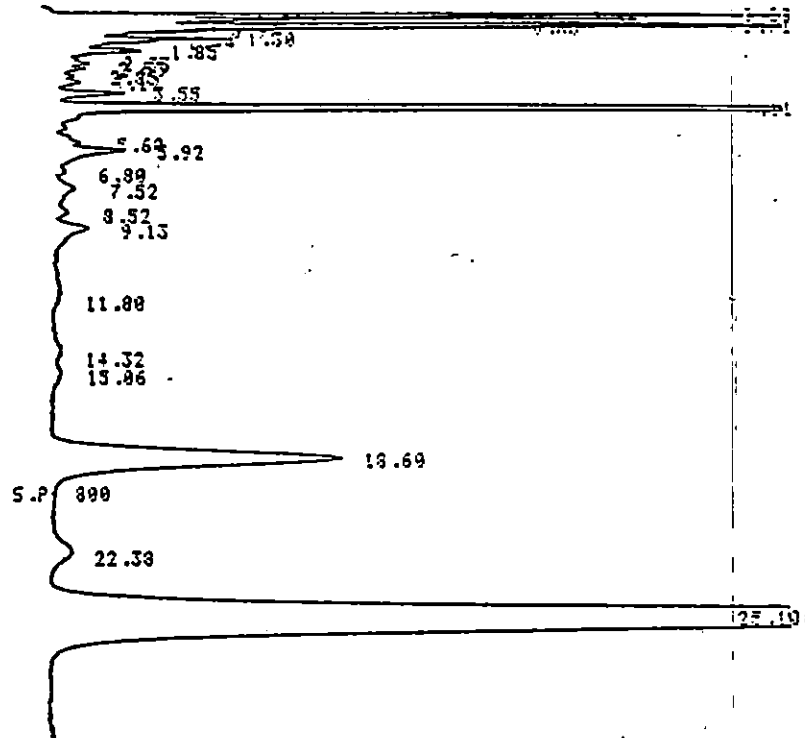
A

Response [mV]



00022

2 ml C.A. Rich 9241-002 HP-4 8/2 → 8/7 1000/10
 CH. 2 C.S. 5.38 ATT 1 OFFS 5 88/13/91 15:53



TEMP: 150 200 C
 1.5%SP2258/1.95%SP2401
 6FT: 4MM ID ECD
 TRACOR 222 A 2
 METH'S 608 /5098 /8000 /8150

D-2000

88/13/91 15:53

SAMPLE: TAG: 393 CH: 2

FILE: 2 CALC-METHOD: AREA% TABLE: 0 CONC: AREA

NO.	RT	AREA	HEIGHT	RRT	GC	NAME
1	0.28	31283	7726	0.28	80	
2	0.46	3345	1112	0.46	80	
4	0.71	51295	11679	0.71	UU	
5	0.85	5708	1237	0.85	UU	
6	0.97	4098	397	0.97	UU	
7	1.39	3060	456	1.39	UU	
8	1.44	3092	270	1.44	UU	
9	1.85	3473	231	1.85	UU	
10	2.33	1350	95	2.33	UU	
11	2.53	973	86	2.53	UU	
13	3.12	1200	70	3.12	UU	
14	3.55	2528	186	3.55	UU	
15	4.11	37929	3304	4.11	UU	
16	5.60	1289	69	5.60	UU	
17	5.92	4293	175	5.92	UU	
21	9.13	1483	67	9.13	89	
25	18.60	31984	739	18.60	88	
26	22.38	1976	44	22.38	88	
27	25.10	204459	3390	25.10	88	

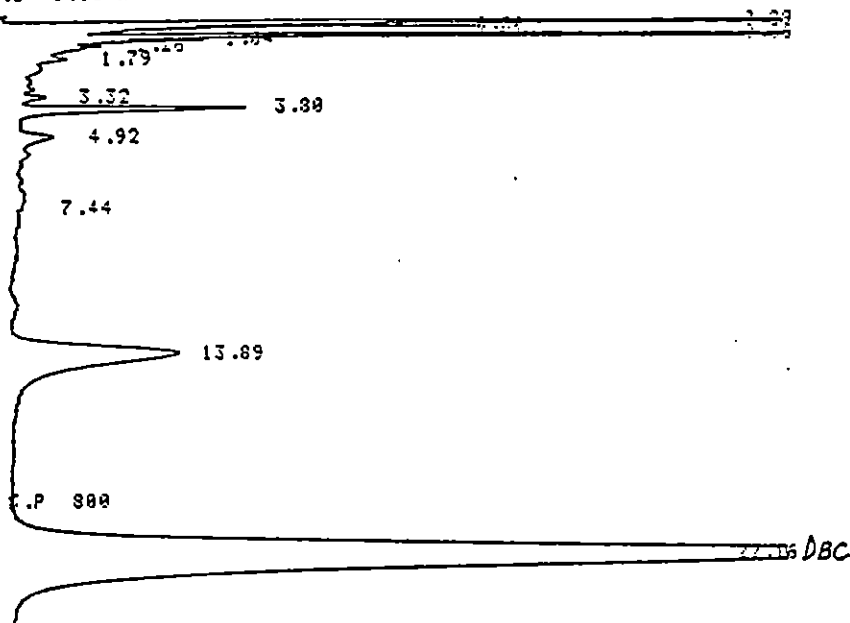
TOTAL 394848 31343

PEAK REJ : 899

RAW DATA STORAGE NO. 58

00023

2 ml C.A. Rich 9241-602 HP-4 3/2 → 3/7 100/10
 CH. 1 C.S. 5.98 ATT 0 OFFS 0 08/14/91 12:22



TEMP: 150 200 C
 4%SE30/6%SP2401
 6FT/2MM ID ECD
 TRACOR 222 A 1
 METH'S 608 /5098 /8000 /3150

D-2000

08/14/91 12:22

SAMPLE: PCB TAG: 115 CH: 1

FILE: 1 CALC-METHOD: AREA% TABLE: 0 CONC: AREA

NO.	RT	AREA	HEIGHT	RRT	BC	NAME
1	0.29	15975	2713	0.29	BU	
2	0.50	1098	381	0.50	T88	
3	0.96	15047	3031	0.96	UU	
4	1.04	1727	228	1.04	UU	
5	1.26	1673	98	1.26	UU	
6	1.79	511	42	1.79	VB	
8	3.88	3316	274	3.88	BB	
9	4.92	774	40	4.92	BB	
11	13.89	9577	193	13.89	BB	
12	22.16	74361	1207	22.16	BB	

TOTAL 124059 8207

PEAK REJ : 299

RAW DATA STORAGE NO. 13

00024

nytest environmental^{inc}

VOLATILE ORGANICS: METHOD 601/602

Sample ID: B4(14-16)
 Lab Sample ID No.: 9241003
 Sample Size: 5g
 % Moisture: 12

Log in No.: 9241

Parameter(s)	Cas #	MDL (ug/kg)	Found (ug/kg)
Bromodichloromethane	75-27-4	1.0	ND
Bromoform	75-25-2	1.0	ND
Bromomethane	74-83-9	1.0	ND
Carbon Tetrachloride	56-23-5	1.0	ND
Chlorobenzene	108-90-7	1.0	ND
Chloroethane	75-00-3	1.0	ND
2-Chloroethylvinyl ether	100-75-8	1.0	ND
Chloroform	67-66-3	1.0	ND
Chloromethane	74-87-3	1.0	ND
Dibromochloromethane	124-48-1	1.0	ND
1,2-Dichlorobenzene	95-50-1	1.0	ND
1,3-Dichlorobenzene	541-73-1	1.0	ND
1,4-Dichlorobenzene	106-46-7	1.0	ND
1,1-Dichloroethane	75-46-7	1.0	ND
1,2-Dichloroethane	107-06-2	1.0	ND
1,1-Dichloroethene	75-35-4	1.0	ND
trans-1,2-Dichloroethene	156-60-5	1.0	ND
1,2-Dichloropropane	78-87-5	1.0	ND
cis-1,3-Dichloropropene	10061-01-5	1.0	ND
trans-1,3-Dichloropropene	10061-02-5	1.0	ND
Methylene Chloride	75-09-2	1.0	ND
1,1,2,2-Tetrachloroethane	79-34-5	1.0	ND
Tetrachloroethene	127-18-4	1.0	ND
1,1,1-Trichloroethane	71-55-6	1.0	ND
1,1,2-Trichloroethane	79-00-5	1.0	ND
Trichloroethene	79-01-6	1.0	ND
Trichlorofluoromethane	75-69-4	1.0	ND
Vinyl Chloride	75-01-4	1.0	ND
Benzene	71-43-2	1.0	ND
Toluene	108-88-3	1.0	ND
Ethyl Benzene	100-41-4	1.0	ND
Xylenes (Total)	-	1.0	ND

00025

1 D-T

NYTEST ENVIRONMENTAL INC.

TCL PESTICIDE/PCB ORGANICS ANALYSIS DATA SHEET

SAMPLE MATRIX: SOIL SAMPLE ID: 84(14-16)
CONC. LEVEL: LOW LAB SAMPLE ID: 9241003
EXTRACTION DATE: 8/06/91 DIL FACTOR: 1.00
ANALYSIS DATE: 8/14/91 % MOISTURE: 12

		UG/KG	
CPMPD #	CAS Number	PESTICIDE/PCB COMPOUND	(DRY BASIS)
1	319-84-6	Alpha-BHC	NA
2	319-85-7	Beta-BHC	NA
3	319-86-8	Delta-BHC	NA
4	58-89-9	Gamma-BHC(Lindane)	NA
5	76-44-8	Heptachlor	NA
6	309-00-2	Aldrin	NA
7	1024-57-3	Heptachlor Epoxide	NA
8	959-98-8	Endosulfan I	NA
9	60-57-1	Dieldrin	NA
10	72-55-9	4,4'-DDE	NA
11	70-20-8	Endrin	NA
12	33213-65-9	Endosulfan II	NA
13	72-54-8	4,4-DDD	NA
14	1031-07-8	Endosulfan Sulfate	NA
15	50-29-3	4,4'-DDT	NA
16	53494-70-5	Endrin Ketone	NA
17	72-43-5	Methoxychlor	NA
18	57-74-9	Chlordane	NA
19	8001-35-2	Toxaphene	NA
20	12674-11-2	Aroclor-1016	90.000 U.
21	11104-28-2	Aroclor-1221	90.000 U.
22	11141-16-5	Aroclor-1232	90.000 U.
23	53469-21-9	Aroclor-1242	90.000 U.
24	12672-29-6	Aroclor-1248	90.000 U.
25	11097-69-1	Aroclor-1254	180.000 U.
26	11096-82-5	Aroclor-1260	180.000 U.

00026

Chromatogram

Sample Name : 9241-003

FileName : c:\2700\data2\PA07013.raw

Start Time : 0.00 min

Scale Factor: 1

End Time : 38.00 min

Plot Offset: -73 mV

Sample #: 84

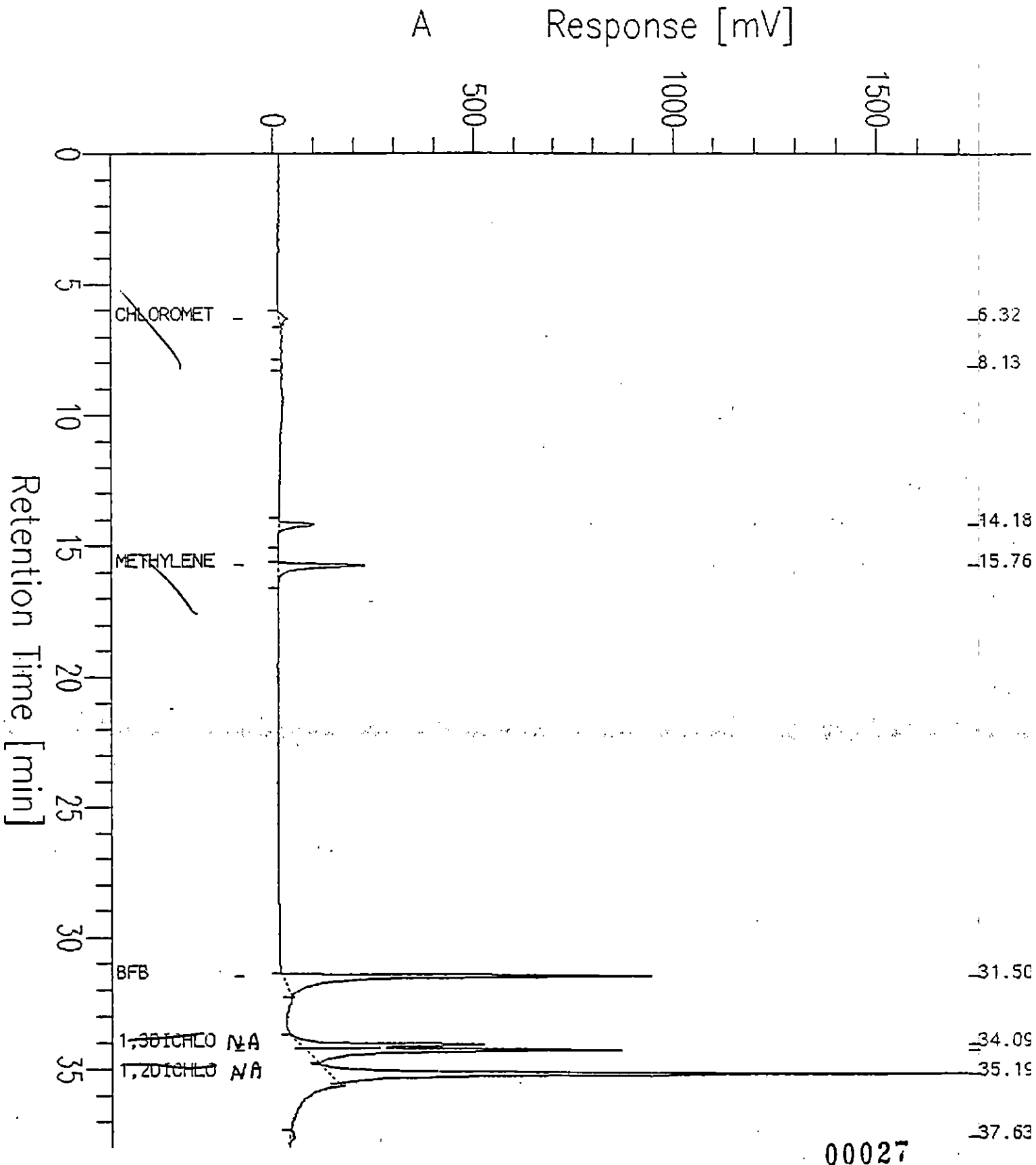
Data : 8/6/91 11:05 PM

Low Point : -73.11 mV

Plot Scale: 1795 mV

Page 1 of 1

High Point : 1721.59



00027

Chromatogram

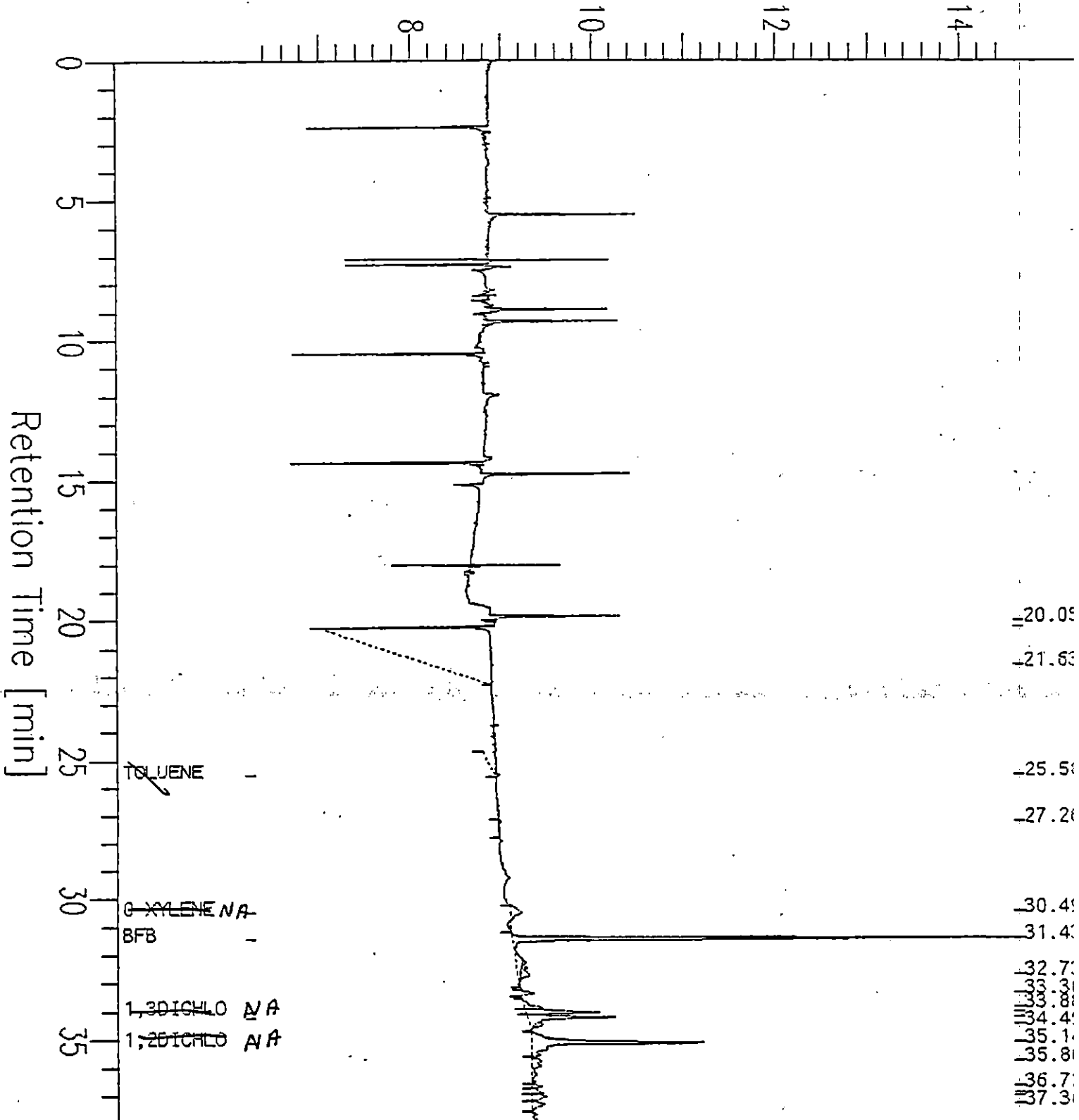
Sample Name : 9241-003
 FileName : c:\2700\data0\QA07013.raw
 Start Time : 0.00 min
 Scale Factor: 1
 End Time : 38.00 min
 Plot Offset: 6 mV

Sample #: 8-4
 Date : 8/7/91 07:45 AM
 Low Point : 6.29 mV
 Plot Scale: 8 mV

Page 1 of 1
 High Point : 14.55 mV

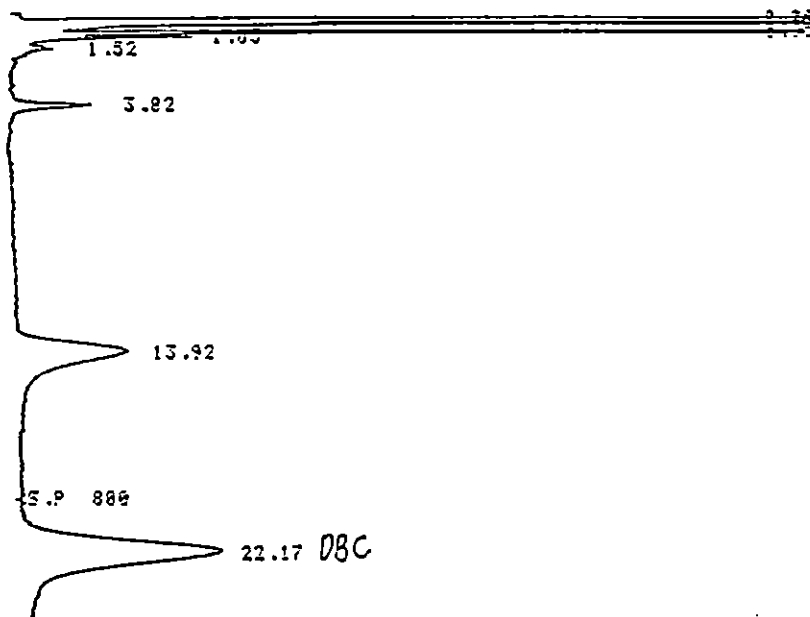
C.A. Rich 8/2/91

B Response [mV]



00028

2nd C.A. Rich 9241-003 B4(14-16) 7/2 → 3/6 30/1
 CH. 1 C.S. 5.00 ATT 0 OFFS 0 08/14/91 13:26



TEMP: ISO 200 C
 4%SE30/6%SP2401
 6FT:2MM ID ECO
 TRACOR 222 A 1
 METH'S 600 /5000 /8000 /8150

D-2000

08/14/91 13:26

SAMPLE: PCB TAG: 116 CH: 1

FILE: 1 CALC-METHOD: AREA TABLE: 0 CONC: AREA

NO.	RT	AREA	HEIGHT	RT	BC	NAME
1	0.29	16260	2097	0.29	BU	
2	0.36	1281	260	0.36	TBB	
3	0.51	7431	1806	0.51	UU	
4	0.85	8311	1989	0.85	UU	
5	1.05	1596	217	1.05	UU	
6	1.52	811	47	1.52	UB	
7	3.82	1192	94	3.82	BB	
8	13.92	6469	126	13.92	BB	
9	22.17	15724	255	22.17	BB	

TOTAL 59075 6871

PEAK REJ : 299

RAW DATA STORAGE NO. 15

00029

nytest environmental_{inc}

VOLATILE ORGANICS: METHOD 601/602

Sample ID: B5(14-16)
 Lab Sample ID No.: 9241004
 Sample Size: 5g
 % Moisture: 11

Log in No.: 9241

Parameter(s)	Cas #	MDL (ug/kg)	Found (ug/kg)
Bromodichloromethane	75-27-4	1.0	ND
Bromoform	75-25-2	1.0	ND
Bromomethane	74-83-9	1.0	ND
Carbon Tetrachloride	56-23-5	1.0	ND
Chlorobenzene	108-90-7	1.0	ND
Chloroethane	75-00-3	1.0	ND
2-Chloroethylvinyl ether	100-75-8	1.0	ND
Chloroform	67-66-3	1.0	ND
Chloromethane	74-87-3	1.0	ND
Dibromochloromethane	124-48-1	1.0	ND
1,2-Dichlorobenzene	95-50-1	1.0	ND
1,3-Dichlorobenzene	541-73-1	1.0	ND
1,4-Dichlorobenzene	106-46-7	1.0	ND
1,1-Dichloroethane	75-46-7	1.0	ND
1,2-Dichloroethane	107-06-2	1.0	ND
1,1-Dichloroethene	75-35-4	1.0	ND
trans-1,2-Dichloroethene	156-60-5	1.0	ND
1,2-Dichloropropane	78-87-5	1.0	ND
cis-1,3-Dichloropropene	10061-01-5	1.0	ND
trans-1,3-Dichloropropene	10061-02-5	1.0	ND
Methylene Chloride	75-09-2	1.0	ND
1,1,2,2-Tetrachloroethane	79-34-5	1.0	ND
Tetrachloroethene	127-18-4	1.0	ND
1,1,1-Trichloroethane	71-55-6	1.0	ND
1,1,2-Trichloroethane	79-00-5	1.0	ND
Trichloroethene	79-01-6	1.0	ND
Trichlorofluoromethane	75-69-4	1.0	ND
Vinyl Chloride	75-01-4	1.0	ND
Benzene	71-43-2	1.0	ND
Toluene	108-88-3	1.0	ND
Ethyl Benzene	100-41-4	1.0	ND
Xylenes (Total)	-	1.0	ND

00030

1 D-T

NYTEST ENVIRONMENTAL INC.

TCL PESTICIDE/PCB ORGANICS ANALYSIS DATA SHEET

SAMPLE MATRIX: SOIL SAMPLE ID: 85(14-16)
CONC. LEVEL: LOW LAB SAMPLE ID: 9241004
EXTRACTION DATE: 8/06/91 DIL FACTOR: 1.00
ANALYSIS DATE: 8/14/91 % MOISTURE: 11

		UG/KG	
CMPO #	CAS Number	PESTICIDE/PCB COMPOUND	(DRY BASIS)
1	319-84-6	Alpha-BHC	NA
2	319-85-7	Beta-BHC	NA
3	319-86-8	Delta-BHC	NA
4	58-89-9	Gamma-BHC(Lindane)	NA
5	76-44-8	Heptachlor	NA
6	309-00-2	Aldrin	NA
7	1024-57-3	Heptachlor Epoxide	NA
8	959-98-8	Endosulfan I	NA
9	60-57-1	Dieldrin	NA
10	72-55-9	4,4'-DDE	NA
11	70-20-8	Endrin	NA
12	33213-65-9	Endosulfan II	NA
13	72-54-8	4,4'-DDD	NA
14	1031-07-8	Endosulfan Sulfate	NA
15	50-29-3	4,4'-DDT	NA
16	53494-70-5	Endrin Ketone	NA
17	72-43-5	Methoxychlor	NA
18	57-74-9	Chlordane	NA
19	8001-35-2	Toxaphene	NA
20	12674-11-2	Aroclor-1016	90.000 U.
21	11104-28-2	Aroclor-1221	90.000 U.
22	11141-16-5	Aroclor-1232	90.000 U.
23	53469-21-9	Aroclor-1242	90.000 U.
24	12672-29-6	Aroclor-1248	90.000 U.
25	11097-69-1	Aroclor-1254	180.000 U.
26	11096-82-5	Aroclor-1260	180.000 U.

00031

Chromatogram

Sample Name : 9241-004

FileName : c:\2700\data2\FA07014.raw

Start Time : 0.00 min

Scale Factor: 1

End Time : 38.00 min

Plot Offset: -31 mV

Sample #: 85

Date : 8/7/91 12:01 AM

Low Point : -30.84 mV

Plot Scale: 875 mV

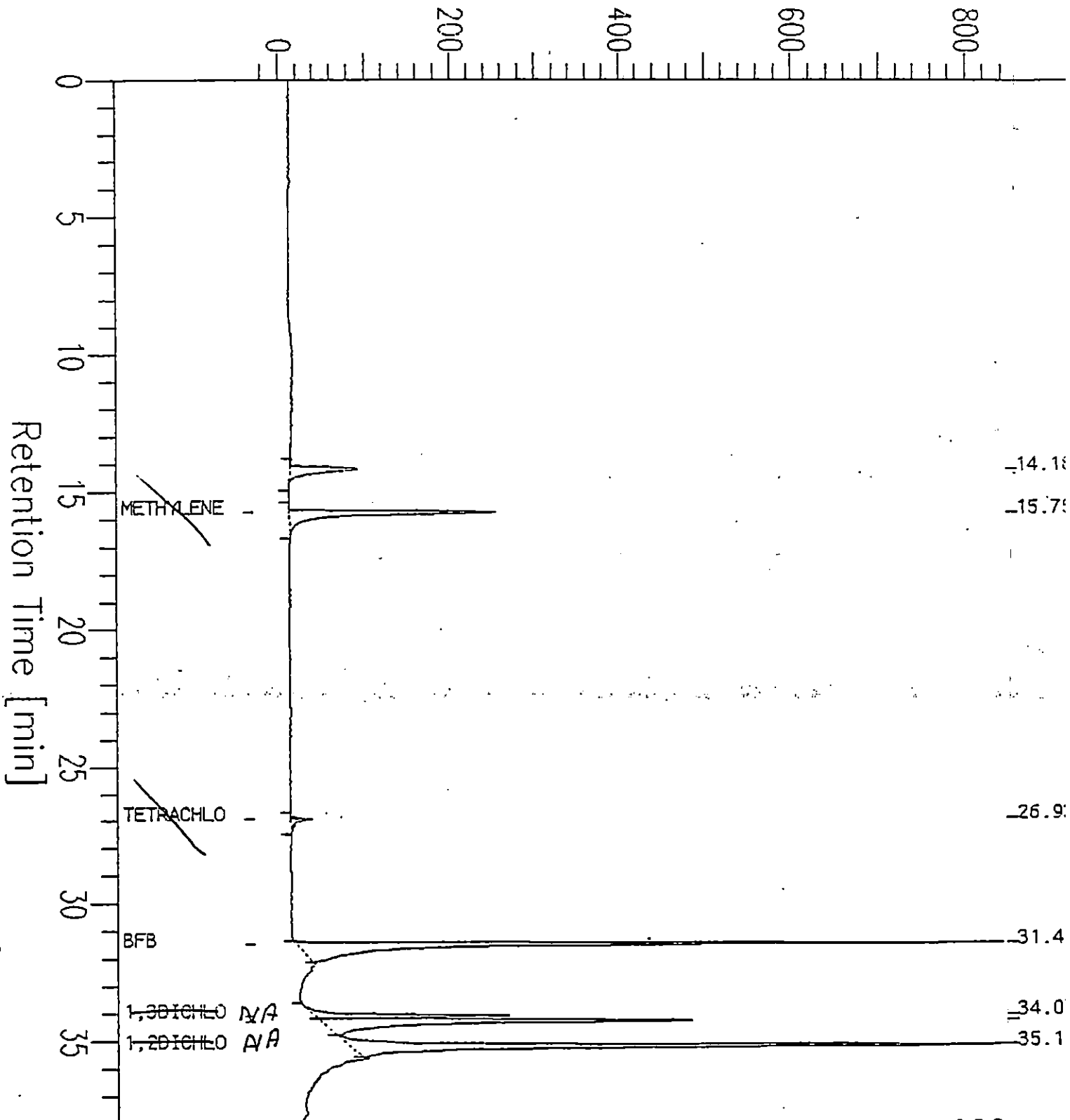
Page 1 of 1

High Point : 843.79

C.A. Rich 8/2/91

A

Response [mV]



00032

Chromatogram

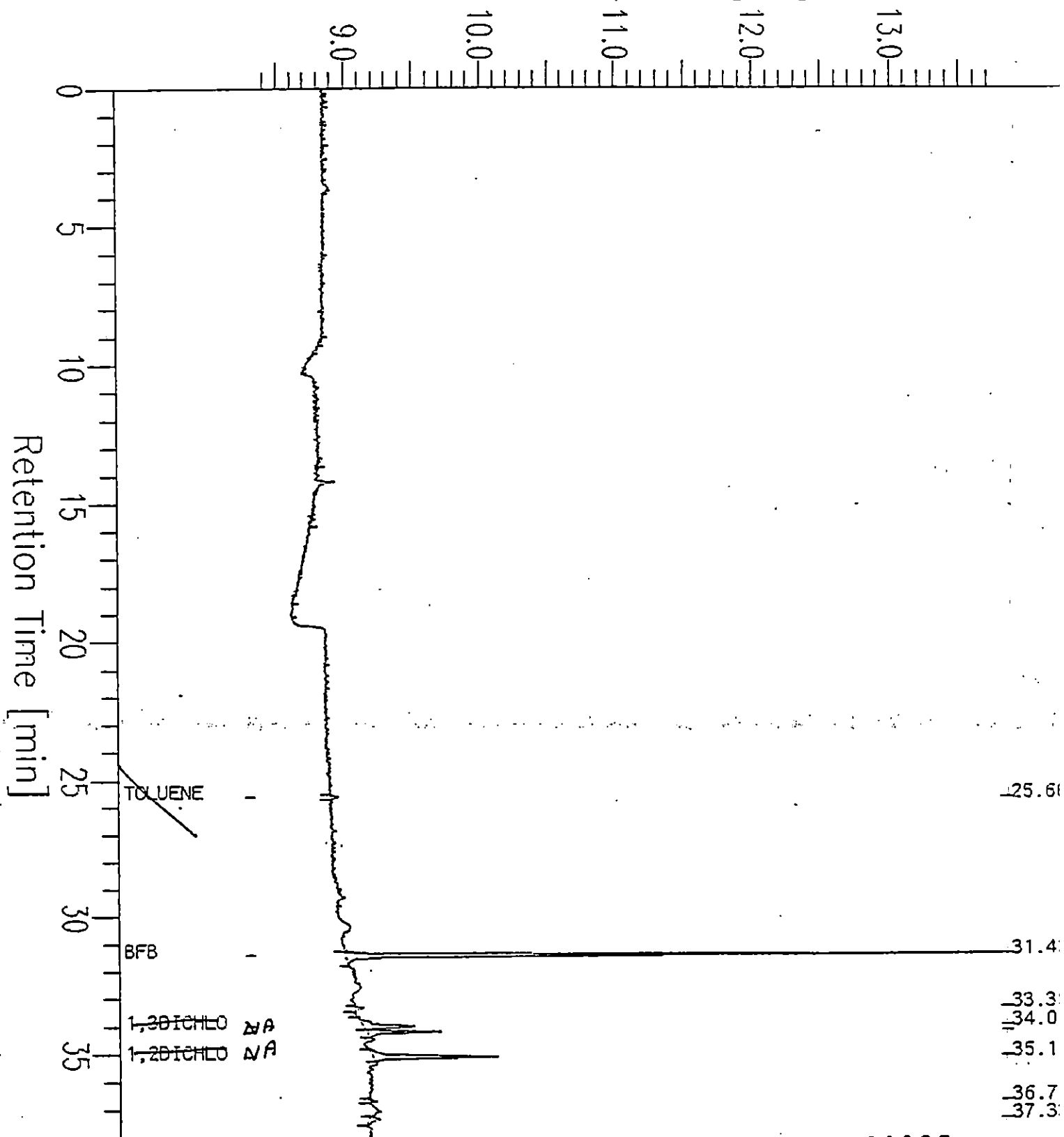
Sample Name : 9241-004
 FileName : c:\2700\data0\QA07014.raw
 Start Time : 0.00 min End Time : 33.00 min
 Scale Factor: 1 Plot Offset: 8 mV

Sample #: 8-5
 Date : 8/7/91 07:46 AM
 Low Point : 8.32 mV
 Plot Scale: 5 mV

Page 1 of 1
 High Point : 13.77 m

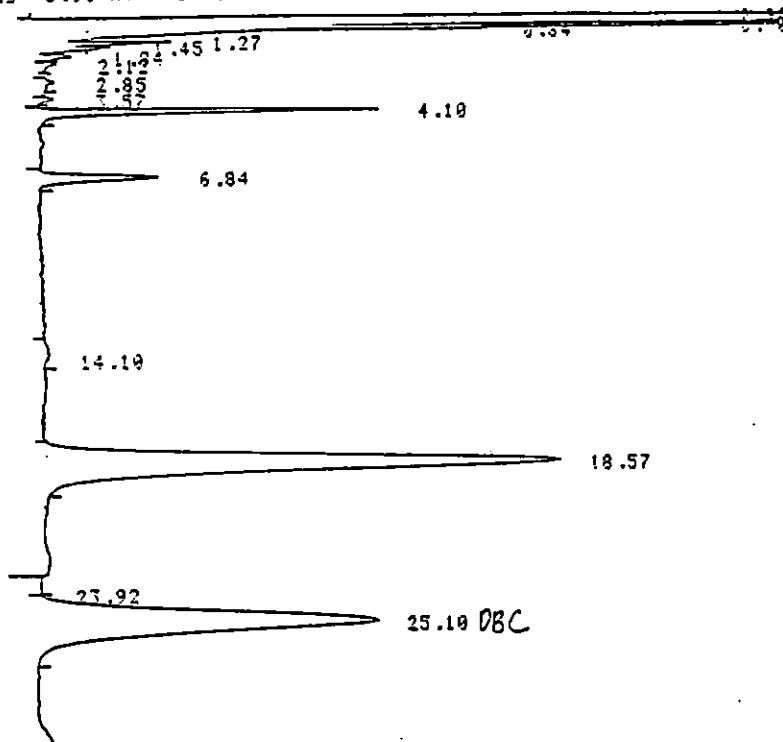
C.A. Rich 8/2/91

B Response [mV]



00033

2ml C.A. Rich 9241-004 Bg (14-16) 1/2 → 3/6 30/1
 CH. 2 C.S. 5.00 ATT 1 OFFS 3 88/14/91 11:09



TEMP: ISO 200 C
 1.5%SP2250/1.95%SP2401
 6FT14MM ID ECD
 TRACOR 222 A 2
 METH'S 608 /5098 /8080 /8150

D-2000

88/14/91 11:09

SAMPLE:

TAG: 399 CH: 2

FILE: 2 CALC-METHOD: AREA% TABLE: 0 CONC: AREA

NO.	RT	AREA	HEIGHT	RRT	BC	NAME
1	0.28	2995	2106	0.28	BU	
2	0.38	8722	3159	0.38	UU	
3	0.38	31778	7139	0.38	UU	
4	0.46	61967	9271	0.46	UU	
5	0.70	38839	9733	0.70	UU	
6	0.84	8577	1122	0.84	UU	
7	1.27	5125	333	1.27	UU	
13	4.10	8983	842	4.10	BB	
14	6.84	4748	289	6.84	BB	
16	18.57	55562	1286	18.57	BB	
17	23.92	2376	60	23.92	BU	
18	25.10	52708	872	25.10	UB	

TOTAL 282380 36212

PEAK REJ : 899

RAW DATA STORAGE NO. 10

00034

nytest environmental inc

VOLATILE ORGANICS: METHOD 601/602

Sample ID: B6(9-11)
 Lab Sample ID No.: 9241005
 Sample Size: 5g
 % Moisture: 4

Log in No.: 9241

Parameter(s)	Cas #	MDL (ug/kg)	Found (ug/kg)
Bromodichloromethane	75-27-4	1.0	ND
Bromoform	75-25-2	1.0	ND
Bromomethane	74-83-9	1.0	ND
Carbon Tetrachloride	56-23-5	1.0	ND
Chlorobenzene	108-90-7	1.0	ND
Chloroethane	75-00-3	1.0	ND
2-Chloroethylvinyl ether	100-75-8	1.0	ND
Chloroform	67-66-3	1.0	ND
Chloromethane	74-87-3	1.0	ND
Dibromochloromethane	124-48-1	1.0	ND
1,2-Dichlorobenzene	95-50-1	1.0	ND
1,3-Dichlorobenzene	541-73-1	1.0	ND
1,4-Dichlorobenzene	106-46-7	1.0	ND
1,1-Dichloroethane	75-46-7	1.0	ND
1,2-Dichloroethane	107-06-2	1.0	ND
1,1-Dichloroethene	75-35-4	1.0	ND
trans-1,2-Dichloroethene	156-60-5	1.0	ND
1,2-Dichloropropane	78-87-5	1.0	ND
cis-1,3-Dichloropropene	10061-01-5	1.0	ND
trans-1,3-Dichloropropene	10061-02-5	1.0	ND
Methylene Chloride	75-09-2	1.0	ND
1,1,2,2-Tetrachloroethane	79-34-5	1.0	ND
Tetrachloroethene	127-18-4	1.0	ND
1,1,1-Trichloroethane	71-55-6	1.0	ND
1,1,2-Trichloroethane	79-00-5	1.0	ND
Trichloroethene	79-01-6	1.0	ND
Trichlorofluoromethane	75-69-4	1.0	ND
Vinyl Chloride	75-01-4	1.0	ND
Benzene	71-43-2	1.0	ND
Toluene	108-88-3	1.0	ND
Ethyl Benzene	100-41-4	1.0	ND
Xylenes (Total)	-	1.0	ND

00035

1 D-T
NYTEST ENVIRONMENTAL INC.

TCL PESTICIDE/PCB ORGANICS ANALYSIS DATA SHEET

SAMPLE MATRIX: SOIL SAMPLE ID: B6(9-11)
CONC. LEVEL: LOW LAB SAMPLE ID: 9241005
EXTRACTION DATE: 8/06/91 DIL FACTOR: 1.00
ANALYSIS DATE: 8/14/91 % MOISTURE: 4

		UG/KG (DRY BASIS)	
CMPD #	CAS Number	PESTICIDE/PCB COMPOUND	
1	319-84-6	Alpha-BHC	NA
2	319-85-7	Beta-BHC	NA
3	319-86-8	Delta-BHC	NA
4	58-89-9	Gamma-BHC(Lindane)	NA
5	76-44-8	Heptachlor	NA
6	309-00-2	Aldrin	NA
7	1024-57-3	Heptachlor Epoxide	NA
8	959-98-8	Endosulfan I	NA
9	60-57-1	Dieldrin	NA
10	72-55-9	4,4'-DDE	NA
11	70-20-8	Endrin	NA
12	33213-65-9	Endosulfan II	NA
13	72-54-8	4,4'-DDD	NA
14	1031-07-8	Endosulfan Sulfate	NA
15	50-29-3	4,4'-DDT	NA
16	53494-70-5	Endrin Ketone	NA
17	72-43-5	Methoxychlor	NA
18	57-74-9	Chlordane	NA
19	8001-35-2	Toxaphene	NA
20	12674-11-2	Aroclor-1016	80.000 U.
21	11104-28-2	Aroclor-1221	80.000 U.
22	11141-16-5	Aroclor-1232	80.000 U.
23	53469-21-9	Aroclor-1242	80.000 U.
24	12672-29-6	Aroclor-1248	80.000 U.
25	11097-69-1	Aroclor-1254	170.000 U.
26	11096-82-5	Aroclor-1260	170.000 U.

00036

Chromatogram

Sample Name : 9241-005

FileName : c:\2700\data2\PA07015.raw

Start Time : 0.00 min

Scale Factor: 1

End Time : 38.00 min

Plot Offset: -35 mV

Sample #: B6

Date : 8/7/91 12:57 AM

Low Point : -35.01 mV

Plot Scale: 938 mV

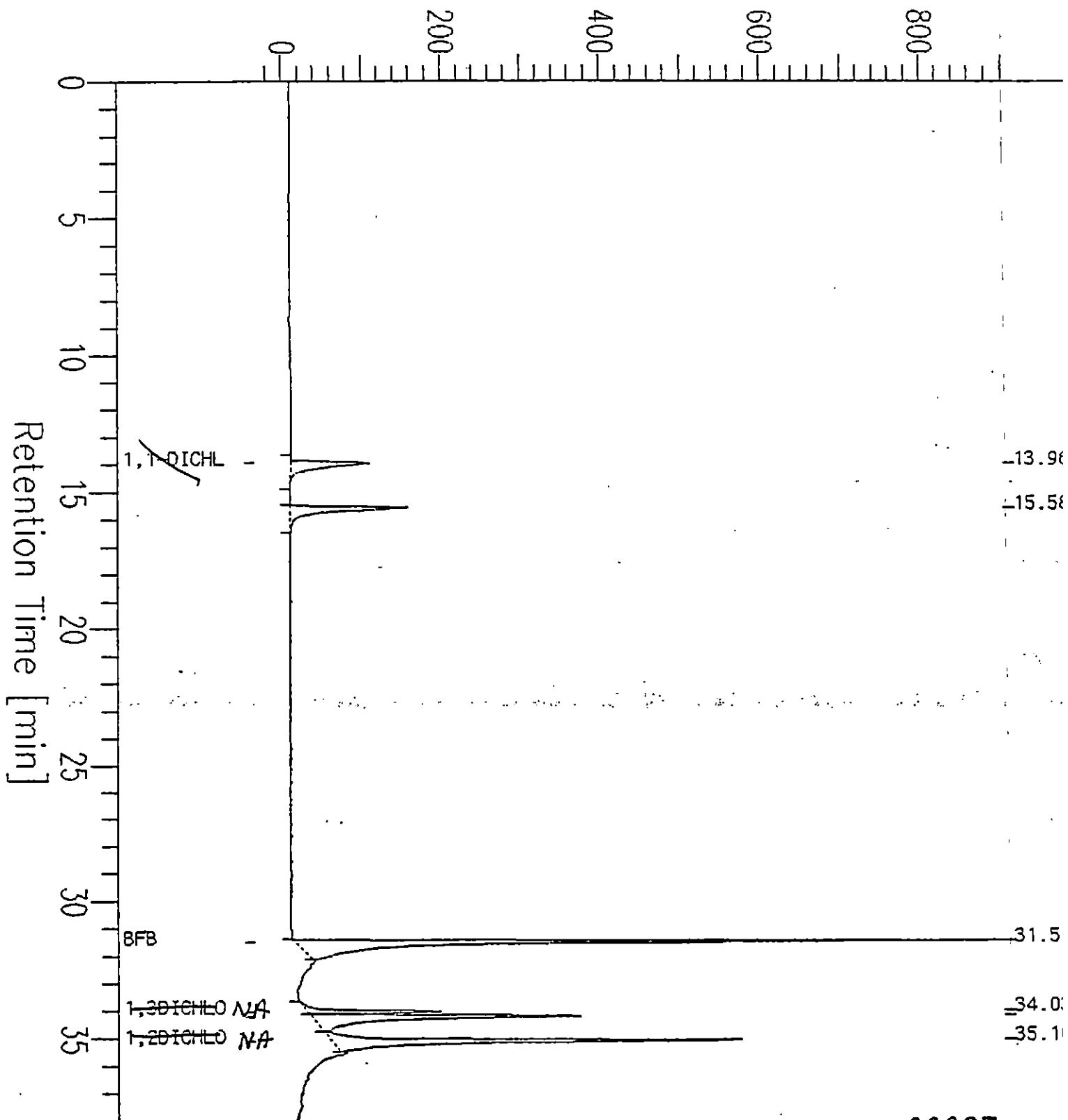
Page 1 of 1

High Point : 903.43

C.A. Rick 8/2/91

A

Response [mV]



00037

Chromatogram

Sample Name : 9241-005

FileName : c:\2700\data\0\QA07015.raw

Start Time : 0.00 min

Scale Factor: 1

End Time : 38.00 min

Plot Offset: 7 mV

Sample #: B-6

Date : 8/7/91 07:48 AM

Low Point : 7.06 mV

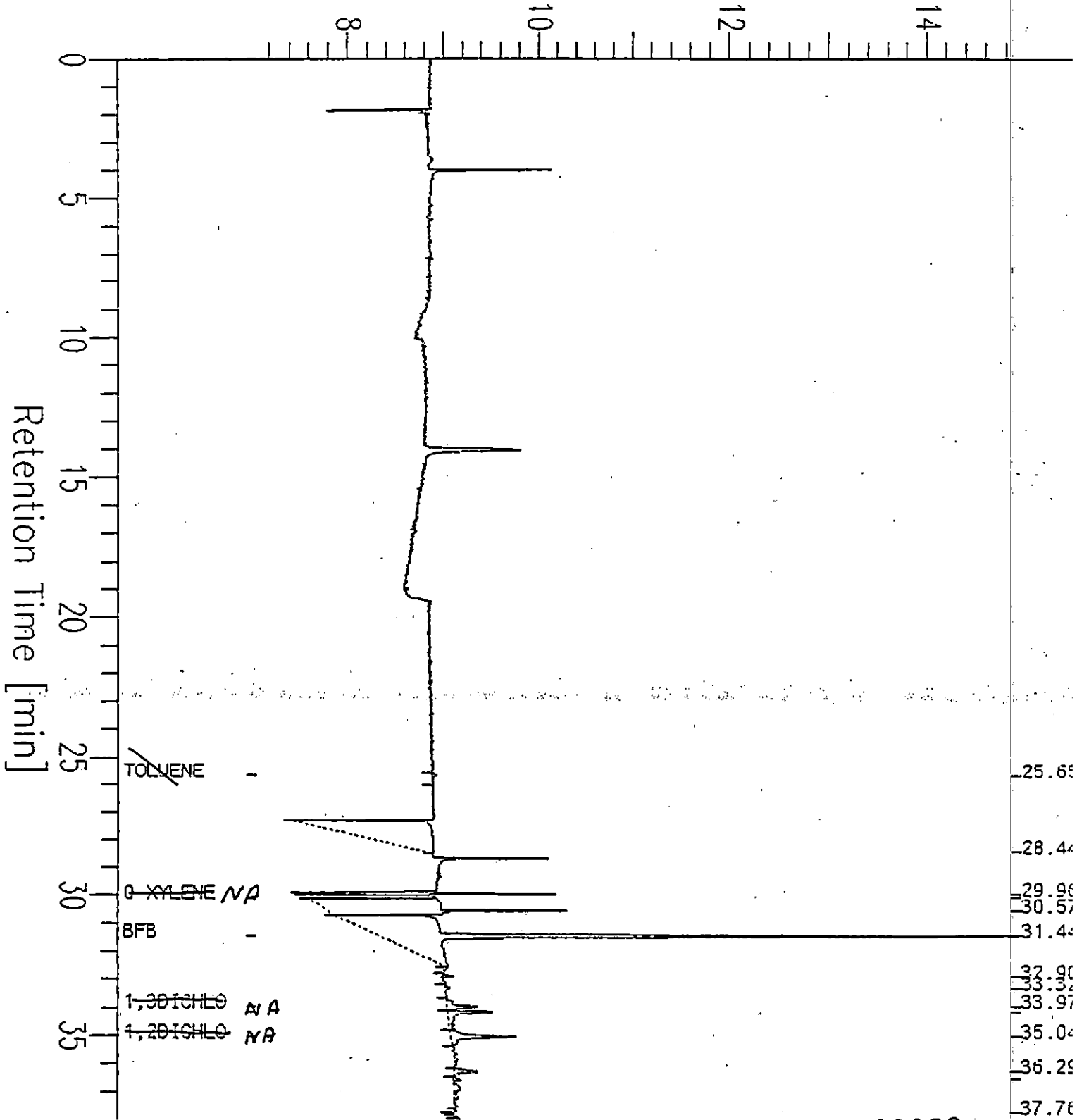
Plot Scale: 8 mV

Page 1 of 1

High Point : 14.85 mV

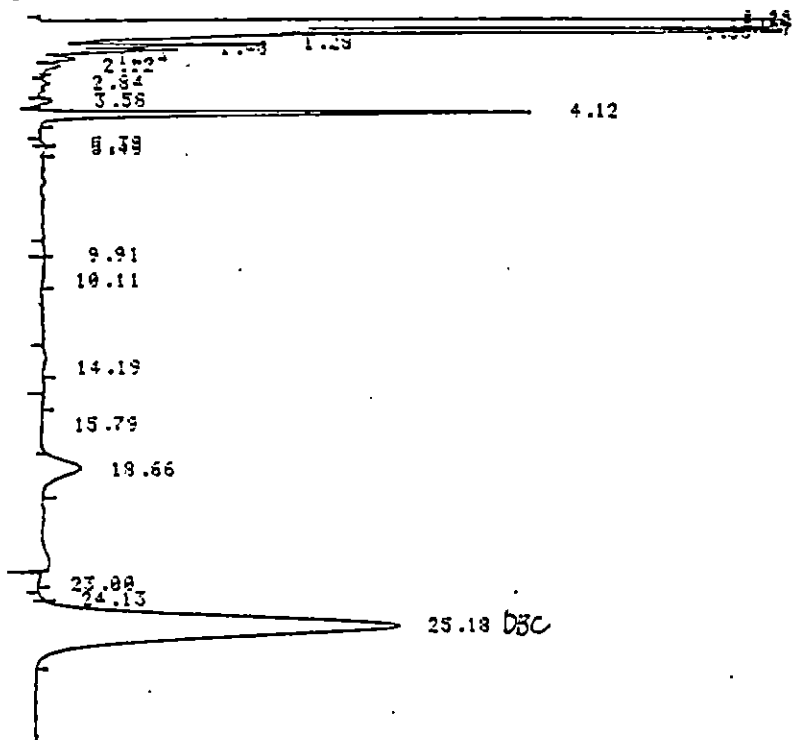
C.A. Rick 8/2/91

B Response [mV]



00038

2ml E.A. Rich 9241-005 BG (9-11) 1/2 → 5/6 30%
 CH. 2 C.S. 5.00 ATT 1 OFFS 5 08/14/91 11:45



TEMP: ISO 200 C
 1.5%SP2250/1.95%SP2401
 6FT: 4MM ID ECD
 TRACOR 222 A 2
 METH'S 600 /5000 /8000 /0150

D-2000 08/14/91 11:45

SAMPLE: TAG: 400 CH: 2

FILE: 2 CALC-METHOD: AREA% TABLE: 0 CONC: AREA

NO.	RT	AREA	HEIGHT	RTT	BC	NAME
1	0.28	3811	2283	0.28	BU	
2	0.39	40307	7234	0.38	UU	
3	0.46	53951	8954	0.46	UU	
5	0.71	46766	10610	0.71	UU	
6	0.85	10614	1570	0.85	UU	
7	1.28	3715	549	1.28	UU	
8	1.48	2794	334	1.48	UU	
9	1.84	1151	87	1.84	UU	
13	4.12	13077	1239	4.12	BB	
20	18.66	3333	86	18.66	BB	
21	23.00	1032	55	23.00	BB	
23	25.18	52152	905	25.18	UB	

TOTAL

232703 33906

PEAK REJ : 899

RAW DATA STORAGE NO. 12

00039

nytest environmental_{inc}

VOLATILE ORGANICS: METHOD 601/602

Sample ID: B7(14-16)
 Lab Sample ID No.: 9241006
 Sample Size: 5g
 % Moisture: 9

Log in No.: 9241

Parameter(s)	Cas #	MDL (ug/kg)	Found (ug/kg)
Bromodichloromethane	75-27-4	1.0	ND
Bromoform	75-25-2	1.0	ND
Bromomethane	74-83-9	1.0	ND
Carbon Tetrachloride	56-23-5	1.0	ND
Chlorobenzene	108-90-7	1.0	ND
Chloroethane	75-00-3	1.0	ND
2-Chloroethylvinyl ether	100-75-8	1.0	ND
Chloroform	67-66-3	1.0	ND
Chloromethane	74-87-3	1.0	ND
Dibromochloromethane	124-48-1	1.0	ND
1,2-Dichlorobenzene	95-50-1	1.0	ND
1,3-Dichlorobenzene	541-73-1	1.0	ND
1,4-Dichlorobenzene	106-46-7	1.0	ND
1,1-Dichloroethane	75-46-7	1.0	ND
1,2-Dichloroethane	107-06-2	1.0	ND
1,1-Dichloroethene	75-35-4	1.0	ND
trans-1,2-Dichloroethene	156-60-5	1.0	ND
1,2-Dichloropropane	78-87-5	1.0	ND
cis-1,3-Dichloropropene	10061-01-5	1.0	ND
trans-1,3-Dichloropropene	10061-02-5	1.0	ND
Methylene Chloride	75-09-2	1.0	ND
1,1,2,2-Tetrachloroethane	79-34-5	1.0	ND
Tetrachloroethene	127-18-4	1.0	ND
1,1,1-Trichloroethane	71-55-6	1.0	ND
1,1,2-Trichloroethane	79-00-5	1.0	ND
Trichloroethene	79-01-6	1.0	ND
Trichlorofluoromethane	75-69-4	1.0	ND
Vinyl Chloride	75-01-4	1.0	ND
Benzene	71-43-2	1.0	ND
Toluene	108-88-3	1.0	ND
Ethyl Benzene	100-41-4	1.0	ND
Xylenes (Total)	-	1.0	ND

00040

1 D-T

NYTEST ENVIRONMENTAL INC.

TCL PESTICIDE/PCB ORGANICS ANALYSIS DATA SHEET

SAMPLE MATRIX: SOIL SAMPLE ID: B7(14-16)
 CONC. LEVEL: LOW LAB SAMPLE ID: 9241006
 EXTRACTION DATE: 8/06/91 DIL FACTOR: 1.00
 ANALYSIS DATE: 8/14/91 % MOISTURE: 9

CPD #	CAS Number	PESTICIDE/PCB COMPOUND	UG/KG (DRY BASIS)
1	319-84-6	Alpha-BHC	NA
2	319-85-7	Beta-BHC	NA
3	319-86-8	Delta-BHC	NA
4	58-89-9	Gamma-BHC(Lindane)	NA
5	76-44-8	Heptachlor	NA
6	309-00-2	Aldrin	NA
7	1024-57-3	Heptachlor Epoxide	NA
8	959-98-8	Endosulfan I	NA
9	60-57-1	Dieldrin	NA
10	72-55-9	4,4'-DDE	NA
11	70-20-8	Endrin	NA
12	33213-65-9	Endosulfan II	NA
13	72-54-8	4,4-DDD	NA
14	1031-07-8	Endosulfan Sulfate	NA
15	50-29-3	4,4'-DDT	NA
16	53494-70-5	Endrin Ketone	NA
17	72-43-5	Methoxychlor	NA
18	57-74-9	Chlordane	NA
19	8001-35-2	Toxaphene	NA
20	12674-11-2	Aroclor-1016	90.000 U.
21	11104-28-2	Aroclor-1221	90.000 U.
22	11141-16-5	Aroclor-1232	90.000 U.
23	53469-21-9	Aroclor-1242	90.000 U.
24	12672-29-6	Aroclor-1248	90.000 U.
25	11097-69-1	Aroclor-1254	180.000 U.
26	11096-82-5	Aroclor-1260	180.000 U.

00041

Chromatogram

Sample Name : 9241-C06
FileName : c:\2700\data0\QA07016.raw
Start Time : 0.00 min
Scale Factor: 1
End Time : 38.00 min
Plot Offset: 7 mV

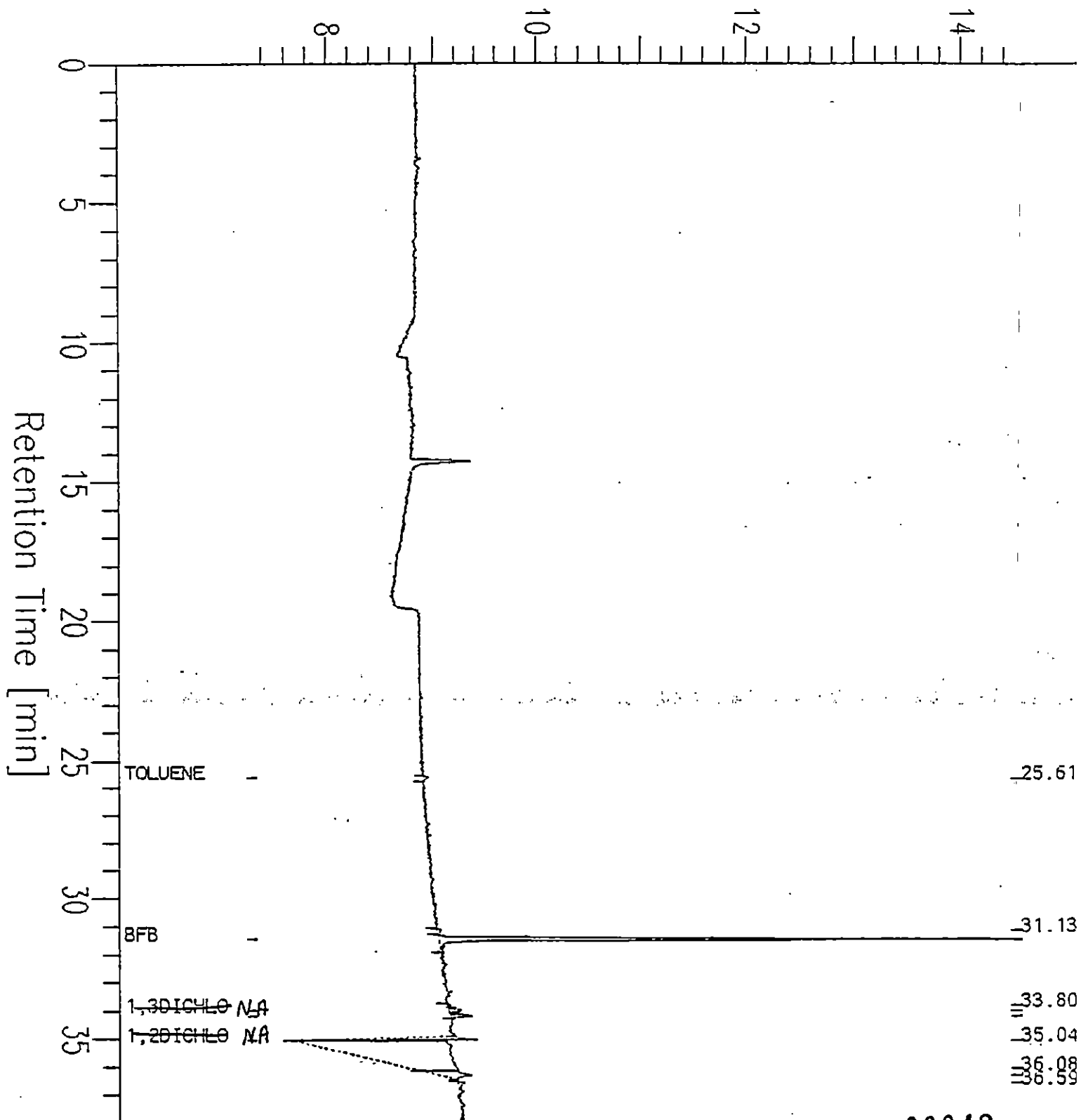
Sample #: 8-7
Date : 8/7/91 08:20 AM
Low Point : 7.33 mV
Plot Scale: 7 mV

Page 1 of 1
High Point : 14.44 m

C.A. Pich 8/2/91

B

Response [mV]



00042

Chromatogram

Sample Name : 9241-006

FileName : c:\2700\data2\PA07016.raw

Start Time : 0.00 min

Scale Factor : 1

End Time : 38.00 min

Plot Offset: -45 mV

Sample #: 87(14-16)

Date : 8/7/91 08:22 AM

Low Point : -44.91 mV

Plot Scale: 1114 mV

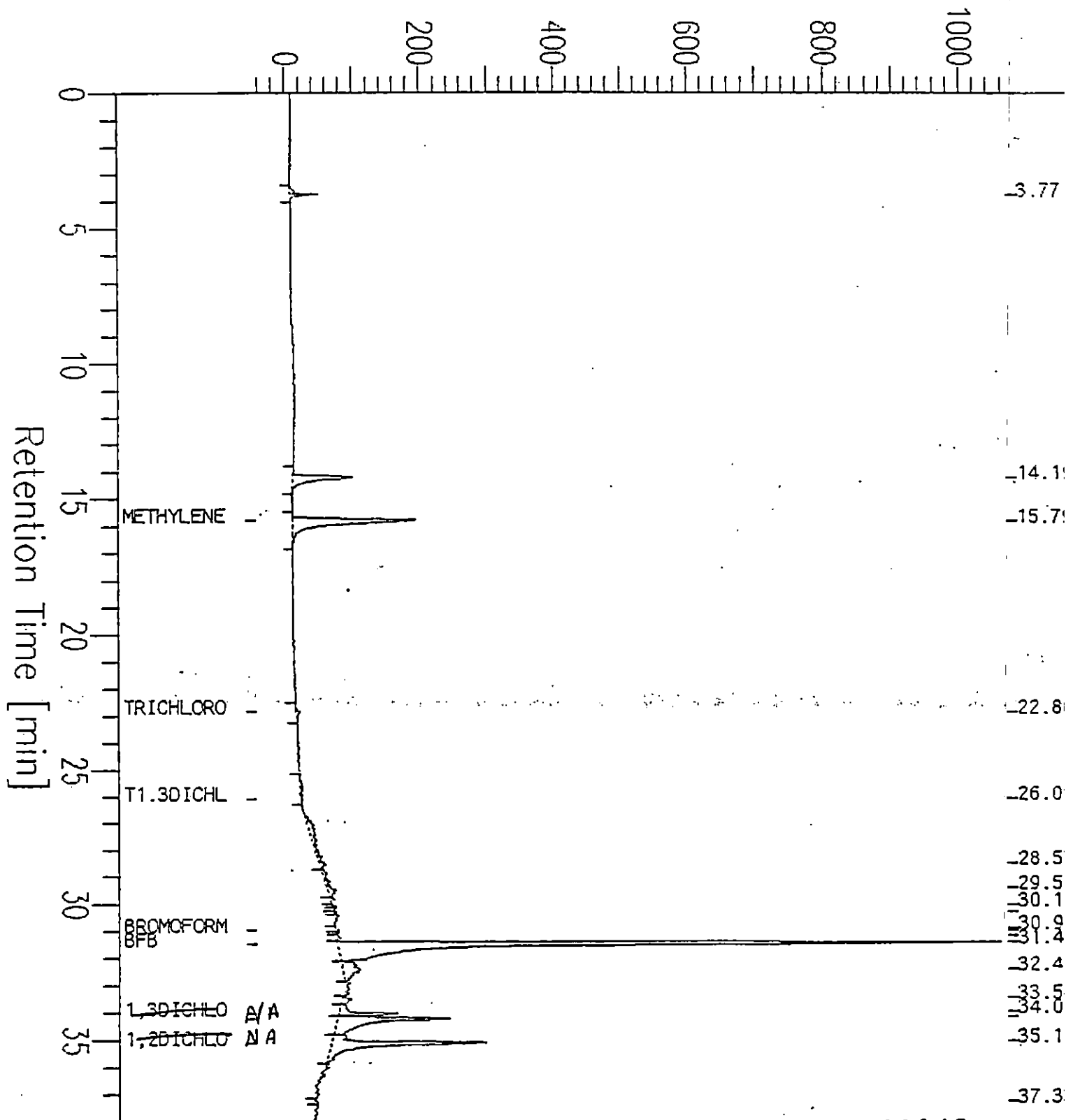
Page 1 of 1

High Point : 1068.76

C.A. Rick 8/2/91

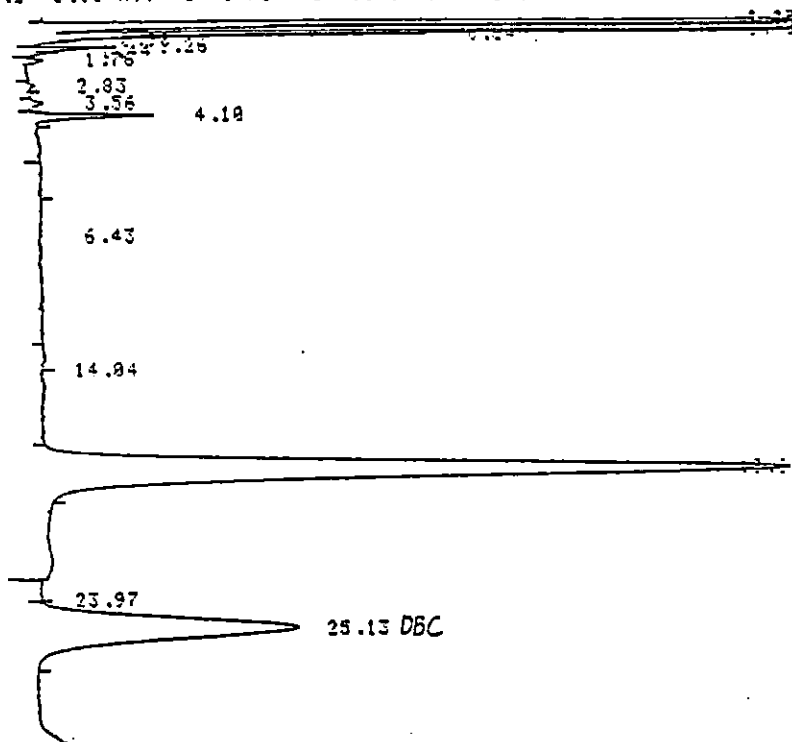
A

Response [mV]



00043

2nd C.A. Rich 9241-006 87 (14-16) 9/2 → 3/6 30/1
 CH. 2 C.S 5.00 ATT 1 OFFS 5 08/14/91 12:24



TEMP: ISO 200 C
 1.5%SP2250/1.95%SP2401
 6FT:4MM ID ECD
 TRACOR 222 A 2
 METH'S 600 /5090 /8000 /8150

D-2000

08/14/91 12:24

SAMPLE: TAG: 491 CH: 2

FILE: 2 CALC-METHOD: AREA% TABLE: 0 CONC: AREA

NO.	RT	AREA	HEIGHT	RRT	BC	NAME
1	0.27	18694	3423	0.27	BU	
2	0.34	1189	395	0.34	TBB	
3	0.45	14998	5071	0.45	UU	
4	0.70	35234	9515	0.70	UU	
5	0.84	3870	978	0.84	UU	
7	1.26	1406	218	1.26	BU	
12	4.10	3147	296	4.10	BB	
15	18.61	80009	1884	18.61	BB	
16	23.97	2696	58	23.97	BU	
17	25.13	41416	670	25.13	UB	

TOTAL 202659 22509

PEAK REJ : 899

RAW DATA STORAGE NO. 14

00044

nytest environmental_{inc}

VOLATILE ORGANICS: METHOD 601/602

Sample ID: B8(4-6)
 Lab Sample ID No.: 9241007
 Sample Size: 5g
 % Moisture: 8

Log in No.: 9241

Parameter(s)	Cas #	MDL (ug/kg)	Found (ug/kg)
Bromodichloromethane	75-27-4	1.0	ND
Bromoform	75-25-2	1.0	ND
Bromomethane	74-83-9	1.0	ND
Carbon Tetrachloride	56-23-5	1.0	ND
Chlorobenzene	108-90-7	1.0	ND
Chloroethane	75-00-3	1.0	ND
2-Chloroethylvinyl ether	100-75-8	1.0	ND
Chloroform	67-66-3	1.0	ND
Chloromethane	74-87-3	1.0	ND
Dibromochloromethane	124-48-1	1.0	ND
1,2-Dichlorobenzene	95-50-1	1.0	ND
1,3-Dichlorobenzene	541-73-1	1.0	ND
1,4-Dichlorobenzene	106-46-7	1.0	ND
1,1-Dichloroethane	75-46-7	1.0	ND
1,2-Dichloroethane	107-06-2	1.0	ND
1,1-Dichloroethene	75-35-4	1.0	ND
trans-1,2-Dichloroethene	156-60-5	1.0	ND
1,2-Dichloropropane	78-87-5	1.0	ND
cis-1,3-Dichloropropene	10061-01-5	1.0	ND
trans-1,3-Dichloropropene	10061-02-5	1.0	ND
Methylene Chloride	75-09-2	1.0	ND
1,1,2,2-Tetrachloroethane	79-34-5	1.0	ND
Tetrachloroethene	127-18-4	1.0	ND
1,1,1-Trichloroethane	71-55-6	1.0	ND
1,1,2-Trichloroethane	79-00-5	1.0	ND
Trichloroethene	79-01-6	1.0	ND
Trichlorofluoromethane	75-69-4	1.0	ND
Vinyl Chloride	75-01-4	1.0	ND
Benzene	71-43-2	1.0	ND
Toluene	108-88-3	1.0	ND
Ethyl Benzene	100-41-4	1.0	ND
Xylenes (Total)	-	1.0	ND

00045

1 D-T
NYTEST ENVIRONMENTAL INC.

TCL PESTICIDE/PCB ORGANICS ANALYSIS DATA SHEET

SAMPLE MATRIX: SOIL SAMPLE ID: B8(4-6)
CONC. LEVEL: LOW LAB SAMPLE ID: 9241007
EXTRACTION DATE: 8/06/91 OIL FACTOR: 1.00
ANALYSIS DATE: 8/14/91 % MOISTURE: 8

		UG/KG (DRY BASIS)	
CMPD #	CAS Number	PESTICIDE/PCB COMPOUND	
1	319-84-6	Alpha-BHC	NA
2	319-85-7	Beta-BHC	NA
3	319-86-8	Delta-BHC	NA
4	58-89-9	Gamma-BHC(Lindane)	NA
5	76-44-8	Heptachlor	NA
6	309-00-2	Aldrin	NA
7	1024-57-3	Heptachlor Epoxide	NA
8	959-98-8	Endosulfan I	NA
9	60-57-1	Dieldrin	NA
10	72-55-9	4,4'-DDE	NA
11	70-20-8	Endrin	NA
12	33213-65-9	Endosulfan II	NA
13	72-54-8	4,4-DDD	NA
14	1031-07-8	Endosulfan Sulfate	NA
15	50-29-3	4,4'-DDT	NA
16	53494-70-5	Endrin Ketone	NA
17	72-43-5	Methoxychlor	NA
18	57-74-9	Chlordane	NA
19	8001-35-2	Toxaphene	NA
20	12674-11-2	Aroclor-1016	90.000 U.
21	11104-28-2	Aroclor-1221	90.000 U.
22	11141-16-5	Aroclor-1232	90.000 U.
23	53469-21-9	Aroclor-1242	90.000 U.
24	12672-29-6	Aroclor-1248	90.000 U.
25	11097-69-1	Aroclor-1254	170.000 U.
26	11096-82-5	Aroclor-1260	170.000 U.

Chromatogram

Sample Name : 9241-007
FileName : c:\2700\data\QA07017.raw
Start Time : 0.00 min End Time : 33.00 min
Scale Factor: 1 Plot Offset: 7 mV

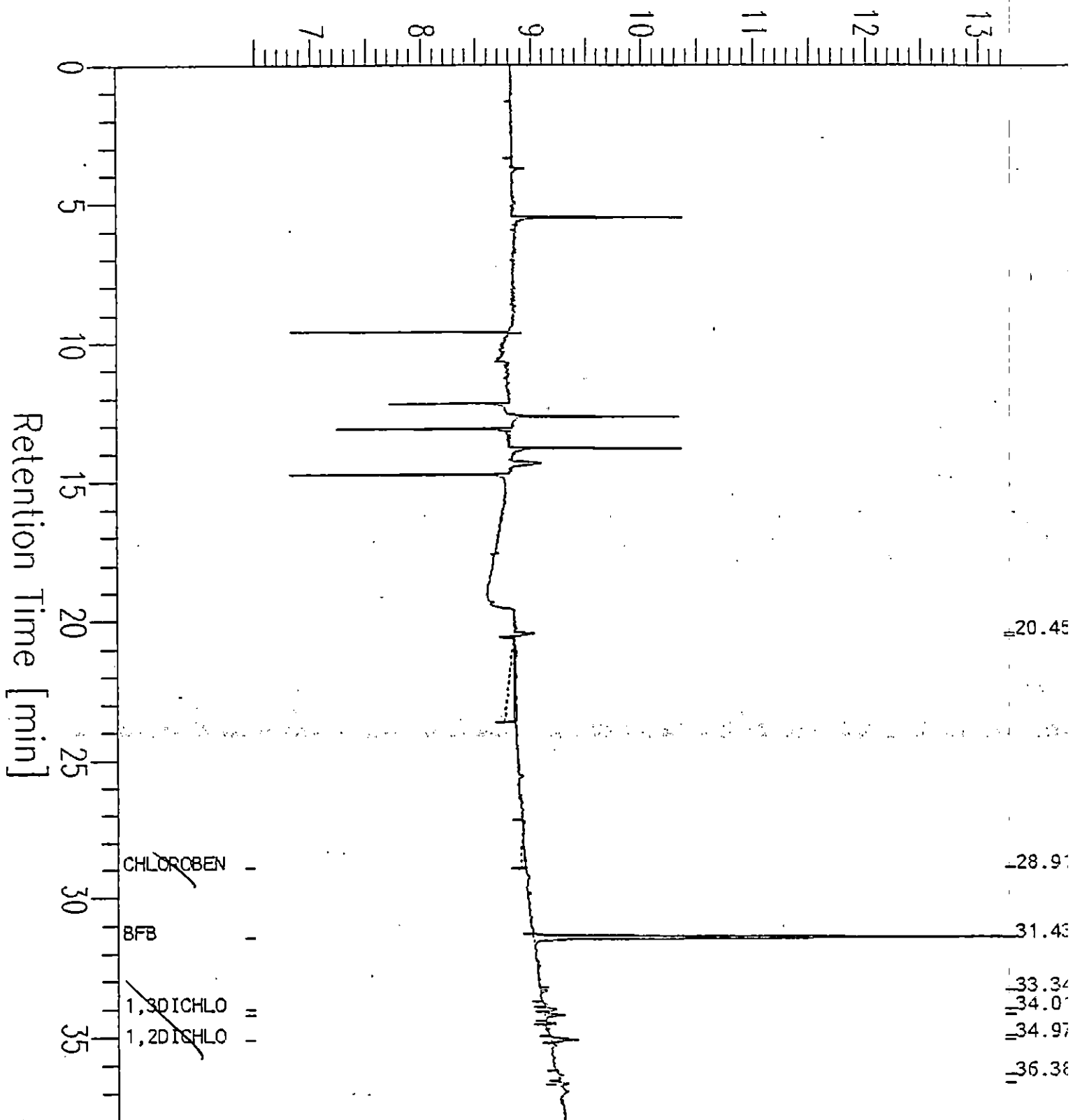
Sample #: B-8
Date : 8/7/91 09:14 AM
Low Point : 6.48 mV
Plot Scale: 7 mV

Page 1 of 1
High Point : 13.21 m

C.A. Reick 8/2/91

B

Response [mV]



00047

Chromatogram

Sample Name : 9241-007

Sample #: B8(4-6)

Page 1 of 1

FileName : c:\2700\data2\PA07017.raw

Date : 8/7/91 09:16 AM

Start Time : 0.00 min

End Time : 38.00 min

Low Point : -25.89 mV

High Point : 691.18

Scale Factor : 1

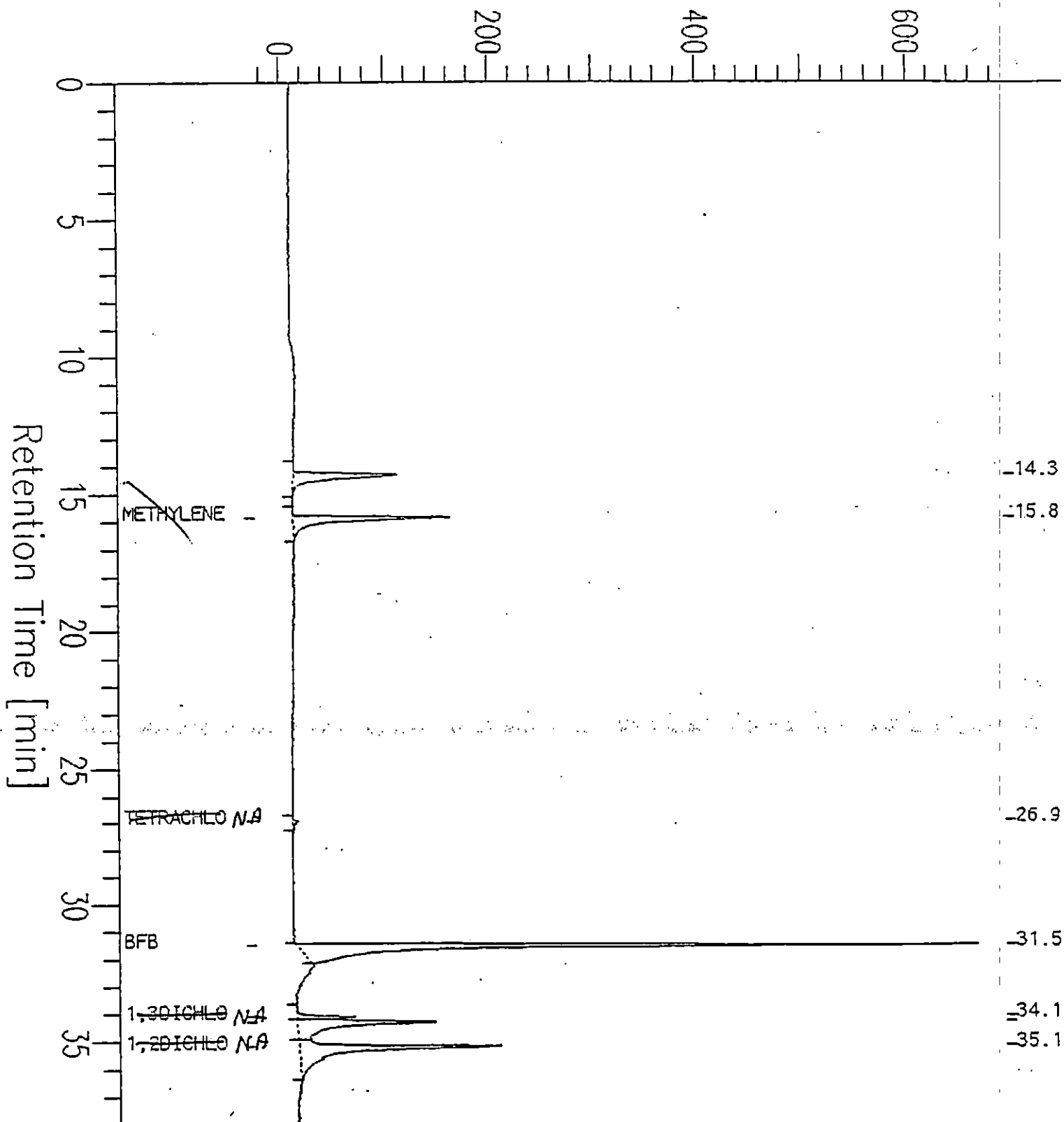
Plot Offset: -26 mV

Plot Scale: 717 mV

C.A. Pick 8/6/91

A

Response [mV]



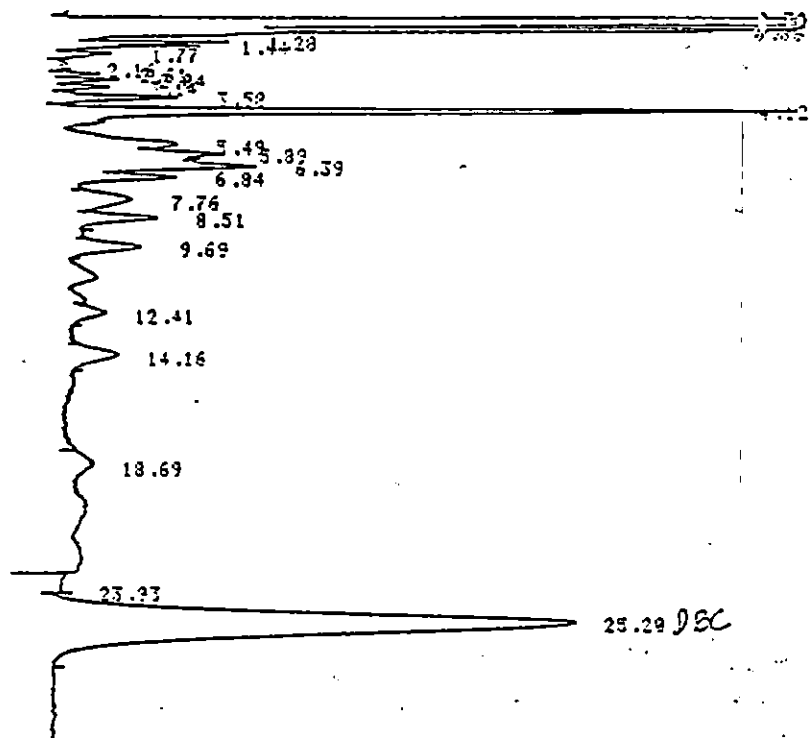
00048

2ml LA Rich 9241-027 88(a-c)

2/2 → 3/6 30/1

LOAD DATA STORAGE NO. 16 (RAW)

CH. 2 C.S 5.00 ATT 9 OFFS 5 08/14/91 13:28



TEMP: 150 200 C
1.5%SP2250/1.95%SP2401
6FT: 4MM ID ECD
TRACOR 222 A 2
METH'S 688 /5093 /8000 /3150

D-2000

03/14/91 13:28

SAMPLE: TAE: 402 CH: 2

FILE: 2 CALC-METHOD: AREA% TABLE: 0 CONC: AREA

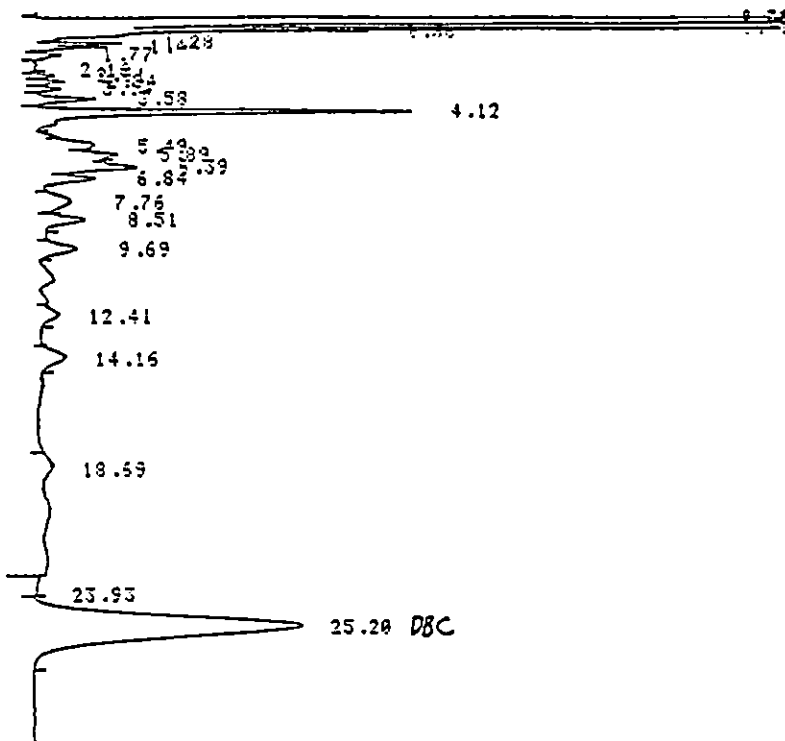
NO.	RT	AREA	HEIGHT	RTT	BC	NAME
1	0.29	5006	2963	0.29	BU	
2	0.31	6271	3345	0.31	UU	
3	0.36	31594	7239	0.36	UU	
4	0.46	25562	7342	0.46	UU	
5	0.71	28150	8763	0.71	UU	
6	0.86	6181	831	0.86	UU	
7	1.28	1975	132	1.28	TBU	
8	1.44	901	153	1.44	TUB	
14	3.58	1948	153	3.58	98	
15	4.12	12234	941	4.12	88	
16	5.49	1071	53	5.49	88	
18	6.39	1673	131	6.39	88	
19	6.94	1319	99	6.94	38	
20	7.76	1996	63	7.76	83	
21	8.51	1765	96	8.51	88	
22	9.69	1749	78	9.69	29	
24	14.16	1657	54	14.16	88	
25	18.69	12477	33	18.69	98	
26	23.93	2302	56	23.93	8U	
27	25.29	42578	686	25.29	UB	

TOTAL 187328 33332

PEAK REF: 899

00049

2 ml C.A. Rich 924-007 68(4-C) 9/2 → 3/6 30/1
 CH. 2 C.S. 5.00 ATT 1 OFFS 5 08/14/91 13:28



TEMP: ISO 200 C
 1.5%SP2250/1.95%SP2401
 6FT/4MM ID ECD
 TRACOR 222 R 2
 METH'S 608 /5098 /8088 /8150

D-2000

08/14/91 13:28

SAMPLE: TAG: 402 CH: 2

FILE: 2 CALC-METHOD: AREA% TABLE: 0 CONC: AREA

NO.	RT	AREA	HEIGHT	RRT	SC	NAME
1	0.23	5806	2969	0.23	BU	
2	0.31	6271	3395	0.31	UU	
3	0.36	31594	7239	0.36	UU	
4	0.46	25562	7342	0.46	UU	
5	0.71	28150	8763	0.71	UU	
6	0.86	6181	831	0.86	UU	
7	1.29	1075	182	1.28	TBU	
8	1.44	981	158	1.44	TUB	
14	3.58	1948	153	3.58	BB	
15	4.12	12234	941	4.12	BB	
16	5.49	1071	58	5.49	BB	
18	6.39	1670	131	6.39	BB	
19	6.84	1319	99	6.84	BB	
20	7.76	1906	63	7.76	BB	
21	8.51	1765	96	8.51	BB	
22	9.69	1749	78	9.69	BB	
24	14.16	1657	54	14.16	BB	
25	18.69	12477	38	18.69	BB	
26	23.93	2302	56	23.93	BU	
27	25.20	42570	686	25.20	UB	

TOTAL 187328 33332

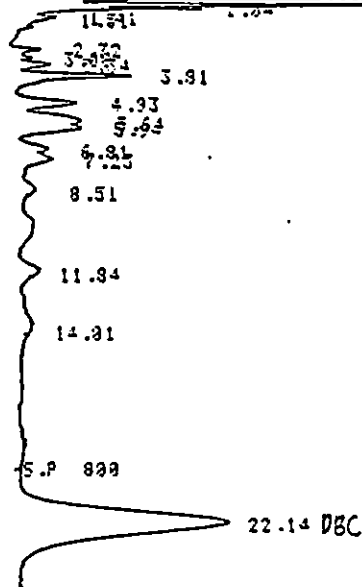
PEAK RES: 899

RAW DATA STORAGE NO. 16

00050

2nd C.A. Rich 924-007 B3 (4-6)
 CH. 1 C.S. 5.99 ATT 9 OFF5 9 88/14/91 14:47

2/2 → 3/6 30/



TEMP: 150 200 C
 4%SE30/6%SP2401
 6FT/2MM ID ECD
 TRACOR 222 A 1
 METH'S 608 /5092 /8090 /8150

D-2000

88/14/91 14:47

SAMPLE: TAG: 117 CH: 1

FILE: 1 CALC-METHOD: AREA% TABLE: 9 CONC: AREA

NO.	RT	AREA	HEIGHT	RRT	SC	NAME
1	0.29	7264	1415	0.29	BU	
3	0.39	11850	2108	0.39	UU	
4	0.51	11864	2633	0.51	UU	
5	0.35	9279	2115	0.85	UU	
6	1.04	2056	245	1.04	UU	
7	1.41	436	56	1.41	UU	
8	1.51	356	46	1.51	VB	
9	2.72	704	40	2.72	BU	
11	3.34	802	52	3.34	UU	
12	3.31	2400	152	3.81	VB	
13	4.93	1503	77	4.93	BU	
14	3.64	3015	82	3.64	UU	
15	5.94	515	34	5.94	TBB	
16	6.81	627	34	6.81	BU	
17	7.23	937	39	7.23	U9	
18	8.51	336	15	8.51	BB	
19	11.34	703	23	11.34	BB	
20	14.01	355	11	14.01	BB	
21	22.14	13494	267	22.14	BB	

TOTAL

73291

9449

PEAK REJ : 299

RAW DATA STORAGE NO.

17

00051

nytest environmental_{inc}

VOLATILE ORGANICS: METHOD 601/602

Sample ID: VBLK1
Lab Sample ID No.: VBLK1
Sample Size: 5ml

Log in No.: 9241

Parameter(s)	Cas #	MDL (ug/l)	Found (ug/l)
Bromodichloromethane	75-27-4	1.0	ND
Bromoform	75-25-2	1.0	ND
Bromomethane	74-83-9	1.0	ND
Carbon Tetrachloride	56-23-5	1.0	ND
Chlorobenzene	108-90-7	1.0	ND
Chloroethane	75-00-3	1.0	ND
2-Chloroethylvinyl ether	100-75-8	1.0	ND
Chloroform	67-66-3	1.0	ND
Chloromethane	74-87-3	1.0	ND
Dibromochloromethane	124-48-1	1.0	ND
1,2-Dichlorobenzene	95-50-1	1.0	ND
1,3-Dichlorobenzene	541-73-1	1.0	ND
1,4-Dichlorobenzene	106-46-7	1.0	ND
1,1-Dichloroethane	75-46-7	1.0	ND
1,2-Dichloroethane	107-06-2	1.0	ND
1,1-Dichloroethene	75-35-4	1.0	ND
trans-1,2-Dichloroethene	156-60-5	1.0	ND
1,2-Dichloropropane	78-87-5	1.0	ND
cis-1,3-Dichloropropene	10061-01-5	1.0	ND
trans-1,3-Dichloropropene	10061-02-5	1.0	ND
Methylene Chloride	75-09-2	1.0	ND
1,1,2,2-Tetrachloroethane	79-34-5	1.0	ND
Tetrachloroethene	127-18-4	1.0	ND
1,1,1-Trichloroethane	71-55-6	1.0	ND
1,1,2-Trichloroethane	79-00-5	1.0	ND
Trichloroethene	79-01-6	1.0	ND
Trichlorofluoromethane	75-69-4	1.0	ND
Vinyl Chloride	75-01-4	1.0	ND
Benzene	71-43-2	1.0	ND
Toluene	108-88-3	1.0	ND
Ethyl Benzene	100-41-4	1.0	ND
Xylenes (Total)	-	1.0	ND

00052

nytest environmental_{inc}

VOLATILE ORGANICS: METHOD 601/602

Sample ID: VBLK2
 Lab Sample ID No.: VBLK2
 Sample Size: 5g
 % Moisture: NA

Log in No.: 9241

Parameter(s)	Cas #	MDL (ug/kg)	Found (ug/kg)
Bromodichloromethane	75-27-4	1.0	ND
Bromoform	75-25-2	1.0	ND
Bromomethane	74-83-9	1.0	ND
Carbon Tetrachloride	56-23-5	1.0	ND
Chlorobenzene	108-90-7	1.0	ND
Chloroethane	75-00-3	1.0	ND
2-Chloroethylvinyl ether	100-75-8	1.0	ND
Chloroform	67-66-3	1.0	ND
Chloromethane	74-87-3	1.0	ND
Dibromochloromethane	124-48-1	1.0	ND
1,2-Dichlorobenzene	95-50-1	1.0	ND
1,3-Dichlorobenzene	541-73-1	1.0	ND
1,4-Dichlorobenzene	106-46-7	1.0	ND
1,1-Dichloroethane	75-46-7	1.0	ND
1,2-Dichloroethane	107-06-2	1.0	ND
1,1-Dichloroethene	75-35-4	1.0	ND
trans-1,2-Dichloroethene	156-60-5	1.0	ND
1,2-Dichloropropane	78-87-5	1.0	ND
cis-1,3-Dichloropropene	10061-01-5	1.0	ND
trans-1,3-Dichloropropene	10061-02-5	1.0	ND
Methylene Chloride	75-09-2	1.0	4 T
1,1,2,2-Tetrachloroethane	79-34-5	1.0	ND
Tetrachloroethene	127-18-4	1.0	ND
1,1,1-Trichloroethane	71-55-6	1.0	ND
1,1,2-Trichloroethane	79-00-5	1.0	ND
Trichloroethene	79-01-6	1.0	ND
Trichlorofluoromethane	75-69-4	1.0	ND
Vinyl Chloride	75-01-4	1.0	ND
Benzene	71-43-2	1.0	ND
Toluene	108-88-3	1.0	ND
Ethyl Benzene	100-41-4	1.0	ND
Xylenes (Total)	-	1.0	ND

00053

1 D-T

NYTEST ENVIRONMENTAL INC.

TCL PESTICIDE/PCB ORGANICS ANALYSIS DATA SHEET

SAMPLE MATRIX: WATER SAMPLE ID: PBLK1
CONC. LEVEL: LOW LAB SAMPLE ID: PBLK1
EXTRACTION DATE: 8/07/91 DIL FACTOR: 1.00
ANALYSIS DATE: 8/13/91 % MOISTURE: NA

UG/L

CMPD #	CAS Number	PESTICIDE/PCB COMPOUND	
1	319-84-6	Alpha-BHC	NA
2	319-85-7	Beta-BHC	NA
3	319-86-8	Delta-BHC	NA
4	58-89-9	Gamma-BHC(Lindane)	NA
5	76-44-8	Heptachlor	NA
6	309-00-2	Aldrin	NA
7	1024-57-3	Heptachlor Epoxide	NA
8	959-98-8	Endosulfan I	NA
9	60-57-1	Dieldrin	NA
10	72-55-9	4,4'-DDE	NA
11	70-20-8	Endrin	NA
12	33213-65-9	Endosulfan II	NA
13	72-54-8	4,4-DDD	NA
14	1031-07-8	Endosulfan Sulfate	NA
15	50-29-3	4,4'-DDT	NA
16	53494-70-5	Endrin Ketone	NA
17	72-43-5	Methoxychlor	NA
18	57-74-9	Chlordane	NA
19	8001-35-2	Toxaphene	NA
20	12674-11-2	Aroclor-1016	0.500 U.
21	11104-28-2	Aroclor-1221	0.500 U.
22	11141-16-5	Aroclor-1232	0.500 U.
23	53469-21-9	Aroclor-1242	0.500 U.
24	12672-29-6	Aroclor-1248	0.500 U.
25	11097-69-1	Aroclor-1254	1.000 U.
26	11096-82-5	Aroclor-1260	1.000 U.

00054

1 D-T
NYTEST ENVIRONMENTAL INC.

TCL PESTICIDE/PCB ORGANICS ANALYSIS DATA SHEET

SAMPLE MATRIX: SOIL SAMPLE ID: PBLK2
CONC. LEVEL: LOW LAB SAMPLE ID: PBLK2
EXTRACTION DATE: 8/06/91 DIL FACTOR: 1.00
ANALYSIS DATE: 8/14/91 % MOISTURE: NA

CMPD #	CAS Number	PESTICIDE/PCB COMPOUND	UG/KG
			(DRY BASIS)
1	319-84-6	Alpha-BHC	NA
2	319-85-7	Beta-BHC	NA
3	319-86-8	Delta-BHC	NA
4	58-89-9	Gamma-BHC(Lindane)	NA
5	76-44-8	Heptachlor	NA
6	309-00-2	Aldrin	NA
7	1024-57-3	Heptachlor Epoxide	NA
8	959-98-8	Endosulfan I	NA
9	60-57-1	Dieldrin	NA
10	72-55-9	4,4'-DDE	NA
11	70-20-8	Endrin	NA
12	33213-65-9	Endosulfan II	NA
13	72-54-8	4,4-DDD	NA
14	1031-07-8	Endosulfan Sulfate	NA
15	50-29-3	4,4'-DDT	NA
16	53494-70-5	Endrin Ketone	NA
17	72-43-5	Methoxychlor	NA
18	57-74-9	Chlordane	NA
19	8001-35-2	Toxaphene	NA
20	12674-11-2	Aroclor-1016	80.000 U.
21	11104-28-2	Aroclor-1221	80.000 U.
22	11141-16-5	Aroclor-1232	80.000 U.
23	53469-21-9	Aroclor-1242	80.000 U.
24	12672-29-6	Aroclor-1248	80.000 U.
25	11097-69-1	Aroclor-1254	160.000 U.
26	11096-82-5	Aroclor-1260	160.000 U.

00055

2 D
HYTEST ENVIRONMENTAL INC.
PESTICIDE SURROGATE RECOVERY

LOG IN #: 9241

PAGE #: 1

MATRIX: WATER

||<<<PESTICIDE>>>||

	SAMPLE #	DBC	PEST OUT
	=====	=====	=====
01	PBLK1	115 OK	0
02	HP-3	104 OK	0
03	HP-4	157 OK	0
04			
05			
06			
07			
08			
09			
10			
11			
12			
13			
14			
15			
16			
17			
18			
19			
20			
21			
22			
23			
24			
25			
26			
27			
28			
29			
30			

LIMITS

DBC 5 - 285

* SURROGATES OUTSIDE QC LIMITS

00056

2 D
HYTEST ENVIRONMENTAL INC.
PESTICIDE SURROGATE RECOVERY

LOG IN #: 9241 PAGE #: 1

MATRIX: SOIL

<<<PESTICIDE>>>

	SAMPLE #	DBC	PEST OUT
01	PBLX2	115 OK	0
02	B4(14-16)	80 OK	0
03	B5(14-16)	106 OK	0
04	B6(9-11)	105 OK	0
05	B7(14-16)	83 OK	0
06	B8(4-6)	86 OK	0
07			
08			
09			
10			
11			
12			
13			
14			
15			
16			
17			
18			
19			
20			
21			
22			
23			
24			
25			
26			
27			
28			
29			
30			

LIMITS

DBC 5 - 325

* SURROGATES OUTSIDE QC LIMITS

00057

3 A

NYTEST ENVIRONMENTAL INC.

VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

LOGIN #:

9241

MATRIX: WATER

PAGE:

1

FRACTION	COMPOUND	CONC. SPIKE ADDED (ug)	SAMPLE RESULT	CONC. MS	% RECOVERY	CONC. MSD	% RECOVERY	RPD	QC LIMITS	
									RPD	RECOVERY
SAMPLE # HP-1 NYTEST # 9225001	1,1-DICHLOROETHENE	50	0.00	43.00	86.00 OK	42.00	84.00 OK	2.35 OK	16	40 -150
	TRICHLOROETHENE	50	0.00	46.00	92.00 OK	47.00	94.00 OK	2.15 OK	38	45 -130
	BENZENE	50	0.00	45.00	90.00 OK	46.00	92.00 OK	2.20 OK	16	15 -180
	TOLUENE	50	0.00	43.00	86.00 OK	43.00	86.00 OK	0.00 OK	23	55 -135
	CHLOROBENZENE	50	0.00	42.00	84.00 OK	45.00	90.00 OK	6.90 OK	32	60 -125

OF % MS/MSD

0 OF 10

VOA OUT:

OF RPD

0 OF 5

VOA OUT:

00058

3 D PCB
NYTEST ENVIRONMENTAL INC.

PCB MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

LOGIN #: 9241

MATRIX: SOIL

PAGE: 1

FRACTION	COMPOUND	CONC. SPIKE	SAMPLE RESULT	CONC.	% RECOVERY	CONC.	% RECOVERY	RPD	QC LIMITS	
		ADDED ppm		MS ppm		MSD ppm			RPD	RECOVERY
SAMPLE # PSS-1 NYTEST # 8614004	PCB 1016	10.00	0.00	9.20	92.00 OK	8.20	82.00 OK	11.49 OK	23	10 -230
	PCB 1260	10.00	0.00	14.10	141.00 OK	13.80	138.00 OK	2.15 OK	28	10 -195

OF % MS/MSD 0 OF 4
PEST OUT: _____

OF RPD 0 OF 2
PEST OUT: _____

00059



TOTAL ANALYTICAL SERVICES FOR A SAFE ENVIRONMENT

nytest environmental inc.



Project No.: 9118057
Log in No.: 9225
P.O. No.: Pending
Date: August 30, 1991

ANALYTICAL DATA REPORT
PACKAGE FOR

CA Rich Consultants

404 Glen Cove Ave

Sea Cliff, NY 11579

ATTN: Bruce Beck
REF: Meadowbrook Realty

LABORATORY
NUMBER

SAMPLE
IDENTIFICATION

TYPE OF
SAMPLE

SEE NEXT PAGE

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

PARAG K. SHAH, Ph. D.
ORGANIC LAB. MANAGER
mar

RESPECTFULLY SUBMITTED,
NYTEST ENVIRONMENTAL INC.

DOUGLAS SHEELEY
LABORATORY DIRECTOR
NJ Cert# 73469

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

NYTEST ENVIRONMENTAL Inc.

LABORATORY NUMBER	SAMPLE IDENTIFICATION	TYPE OF SAMPLE
9225001	HP-1	Water
9225002	HP-2	Water
9225003	B-1(4-6)	Soil
9225004	B-2(10-12)	Soil
9225005	B-3(4-6)	Soil

Table of Contents

Log in No.: 9225

	Page
I. Sample Analysis Request Form	NA
II. Chain of Custody.	1
III. Laboratory Deliverable Checklist.	NA
IV. Laboratory Chronicle.	2
V. Non Conformance Summary (Case Narrative).	3
VI. Methodology Summary	4 - 7
VII. Data Reporting Comment Page.	8
VIII. Sample Results	9 - 41
IX. Quality Assurance Summary (Including Initial and Continuing Calibration Time and Date)	42 - 49



TOTAL ANALYTICAL SERVICES FOR A SAFE ENVIRONMENT

nytest environmental inc

CHAIN OF CUSTODY RECORD

SHIP TO: Nytest Environmental Inc.
60 Seaview Blvd.
Port Washington, NY 11050
(516) 625-5500
Attn. _____

REPORT TO: Client Name

Address

Phone

Attn.

Page 1 of 1
CA RICH CONSULTANTS
404 GLEN COVE AVE
JEFFCLIFF NY 11579
674 3889
BRUCE BECK

Project No.	Project Name NYU - WESTBURY			Date Shipped	Carrier
Sample (Signature) [Signature]		Analytical Protocol		Air Bill No.	Cooler No.
Sample I.D.	Date/Time Sampled	Sample Description	No. Of Containers	ANALYSIS REQUESTED	
HP-1	8/1 AM	WATER	5	VOC 401/602, TPHC, PCB, RCRA METALS	
HP-2	8/1 AM	WATER	5	VOC 601/602, TPHC, PCB, RCRA METALS	
B-1(4-6)	8/1 AM	SOIL	3	VOC 8010/8020, TPHC, PCB, RCRA METALS	
B-2(10-12)	8/1 AM	SOIL	3	VOC 8010/8020, TPHC, PCB, RCRA METALS	
B-3(4-6)	8/1 PM	SOIL	3	VOC 8010/8020, TPHC, PCB, RCRA METALS	

Relinquished by (Signature) [Signature]	Date / Time 8/1/05 5:05	Rec'd. By (Signature) [Signature]	Date / Time
Print Name STEVEN SOBSTER		Print Name	
Relinquished by (Signature)	Date / Time	Rec'd. by (Signature)	Date / Time
Print Name		Print Name	
Relinquished by (Signature)	Date / Time	Received for Laboratory by (Signature) [Signature]	Date / Time
Print Name		Print Name	8/1/05 5:00

Special Instructions/Comments

00003

nytest environmental_{inc}

Laboratory Chronicle

Client Name: CA Rich Consultants
Date Received: 8/01/91
Sample ID: As per chain of custody

Log In No.: 9225

Organics Extraction:

- 1. Acids _____
- 2. Base/Neutrals _____
8/05/91
- 3. Pesticides/PCBs _____
- 4. Dioxin _____

Analysis:

- 8/06/91
- 1. Volatiles _____
- 2. Acids _____
- 3. Base/Neutrals _____
8/08/91
- 4. Pesticides/PCBs _____
- 5. Dioxin _____

Section Supervisor
Review & Approval _____

Inorganics:

- 8/08/91, 8/20/91, 8/21/91
- 1. Metals _____
- 2. Cyanides _____
- 3. Phenols _____

Other Analysis:

TPHC - 8/06/91

Section Supervisor
Review & Approval _____

Quality Control Supervisor
Review & Approval _____

If fractions are re-extracted and re-analyzed include dates for both.

00002

NON-CONFORMANCE SUMMARY
(Case Narrative)

Log In No: 9225

Samples were analyzed as per required protocols. The soil pesticide blank had a surrogate recovery that fell outside QC limits. No other problems were encountered.

METHODOLOGY SUMMARYAQUEOUS METHODOLOGIES:REF 1REF 2REF 3

BNA, Pesticides/PCB's Extraction		3510	
AA/ICP Sample Preparation	200.7		
Furnace Sample Preparation	200.0		
Mercury Sample Preparation	245.1		
Hexavalent Chromium Sample Preparation	218.5		
Clean-Up		3610/3640	

Organochlorine Pesticides and PCB's
by Gas Chromatography
Herbicides by Gas Chromatography
Purgeable Organics by GC/MS
Base/Neutral, Acids by GC/MS
2,3,7,8-TCDD by GC/MS
BTEX

608
362
624
625
613/625
602

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	3610/3640

Gas Chromatography/Mass Spectrometry:

Purgeable Organics	8240
Base/Neutral and Acid Extractables	8270
Organophosphorous Pesticides	8140
Organochlorine Pesticides and PCB's by Gas Chromatography	8080
BTEX	8020

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

METHODOLOGY SUMMARY
ADDITIONAL INORGANIC PARAMETERS:
REFERENCE 1
REFERENCE 2

Bromide	320.1	
Color	110.2	
Conductance	120.1	
Conductance		9050
Odor	140.1	
pH	150.1	
pH		9040
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	335.3	
Oil and Grease	413.1/413.2	
Oil and Grease		9070
Fluoride	340.2	
TKN	351.2	
NO2/NO3	353.2	
D.O.	360.2	
Petroleum Hydrocarbons (Reference 4)	418.1	
Phenol	420.2	
Phosphorous	365.1	
Silica	370.1	
Sulfate	375.2/375.4	
Sulfide	376.1	
Surfactants	425.1	
TOC	415.1	
TOX		9022

MISCELLANEOUS ANALYSIS:

Extraction Procedure Toxicity	1310
Ignitability	1010
Corrosivity	1110
Reactivity	Chapter 8.3
Toxicity Characteristic Leaching Procedure (TCLP)	(Ref. 5)

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) as modified by NJDEP-BISE (for non-aqueous samples)
- (5) Federal Register Vol. 51, No. 216 Friday, 11/7/86, pp. 40643-40652

DATA REPORTING COMMENT PAGE

QUALIFIERS:

- U - Indicates compound was analyzed for but not detected. The number is the detection limit for the sample.
- J - Indicates an estimated value. This flag is used either when estimating a concentration for tentatively identified compounds where a 1:1 response is assumed or when the mass spectral data indicates the presence of a compound that meets the identification criteria but the result is less than the reported detection limit but greater than zero.
- B - This flag is used when the analyte is found in the method blank as well as in the sample.
- T - This flag identifies all targeted compounds that were found above the method detection limits.
- A - Aldol Condensation Product (formed from Acetone reacting with Methylene Chloride solvents used in the extraction of soil samples, not associated with sample constituents)
- D - Diluted out
- NA - Not applicable by contract

Data on soil samples are expressed on a dry weight basis.

All non-aqueous samples are reported on soil forms. This includes samples whose matrix is listed as miscellaneous.

The Initial and Continuing Calibration dates and times for the volatile fractions are listed on the BFB summary forms.

The Initial and Continuing Calibration dates and times for the semivolatile fractions are listed on the DFTPP summary forms.

SAMPLE SUFFIXES: RE - Re-analyzed sample
DL - Sample analyzed at a secondary dilution

METHOD BLANK NOMENCLATURE - FBLK##:

- F - Fraction (V for Volatiles, S for Semivolatiles)
- BLK - Indicates a blank
- ## - Arbitrarily assigned number for that blank

GC/MS STANDARD NOMENCLATURE - FSTD###:

- F - Fraction (V for Volatiles, S for Semivolatiles)
- STD - Indicates a standard
- ### - Concentration in ppb of Volatile standards, or amount injected in ng for Semivolatile standards

nytest environmental_{inc}

REPORT OF ANALYSIS

Log in No.: 9225

We find as follows:

Results in mg/kg (dry weight basis) except where noted:

<u>Sample Identification</u>	<u>Parameter(s)</u>
	<u>Total Petroleum Hydrocarbons</u>
9225001 HP-1	10.5 mg/l
9225002 HP-2	5.2 mg/l
9225003 B-1(4-6)	744
9225004 B-2(10-12)	4540
9225005 B-3(4-6)	46.4

Soil Method Blank	<10.0
Water Method Blank	<1.0 mg/l
Soil Method Detection Limit	10.0
Water Method Detection Limit	1.0 mg/l

00009

nytest environmental_{inc}

REPORT OF ANALYSIS

Log In No.: 9225

We find as follows:

Results in mg/l:

Parameter(s)

Sample Identification

	HP-1 (9225001)	HP-2 (9225002)	Method Blank
	-----	-----	-----
Arsenic	<0.010	<0.010	<0.010
Barium	0.314	<0.20	<0.20
Cadmium	<0.010	<0.010	<0.010
Chromium	0.210	0.016	<0.025
Lead	0.266	<0.050	<0.050
Mercury	0.0018	<0.0002	<0.0002
Selenium	<0.010	<0.010	<0.010
Silver	<0.010	<0.010	<0.010

00010

nytest environmental_{inc}

REPORT OF ANALYSIS

Log In No.: 9225

We find as follows:

Results in mg/kg (dry wt. basis):

Parameter(s) -----	Sample Identification -----			
	B-1(14-16) (9225003) -----	B-2(10-12) (9225004) -----	B-3(4-6) (9225005) -----	Method Blank -----
Arsenic	<5.0	<5.0	<5.0	<5.0
Barium	<10.0	37.9	<10.0	<10.0
Cadmium	<1.0	<1.0	<1.0	<1.0
Chromium	8.71	50.9	<5.0	<5.0
Lead	30.5	34.9	<5.0	<5.0
Mercury	<0.1	1.35	<0.1	<0.1
Selenium	<1.0	<1.0	<1.0	<1.0
Silver	<5.0	<5.0	<5.0	<5.0

00011

nytest environmental inc

VOLATILE ORGANICS: METHOD 601/602

Sample ID: HP-1
Lab Sample ID No.: 9225001
Sample Size: 5ml

Log in No.: 9225

Parameter(s)	Cas #	MDL (ug/l)	Found (ug/l)
Bromodichloromethane	75-27-4	1.0	ND
Bromoform	75-25-2	1.0	ND
Bromomethane	74-83-9	1.0	ND
Carbon Tetrachloride	56-23-5	1.0	ND
Chlorobenzene	108-90-7	1.0	ND
Chloroethane	75-00-3	1.0	ND
2-Chloroethylvinyl ether	100-75-8	1.0	ND
Chloroform	67-66-3	1.0	ND
Chloromethane	74-87-3	1.0	ND
Dibromochloromethane	124-48-1	1.0	ND
1,2-Dichlorobenzene	95-50-1	1.0	ND
1,3-Dichlorobenzene	541-73-1	1.0	ND
1,4-Dichlorobenzene	106-46-7	1.0	ND
1,1-Dichloroethane	75-46-7	1.0	ND
1,2-Dichloroethane	107-06-2	1.0	ND
1,1-Dichloroethene	75-35-4	1.0	ND
trans-1,2-Dichloroethene	156-60-5	1.0	ND
1,2-Dichloropropane	78-87-5	1.0	ND
cis-1,3-Dichloropropene	10061-01-5	1.0	ND
trans-1,3-Dichloropropene	10061-02-5	1.0	ND
Methylene Chloride	75-09-2	1.0	ND
1,1,2,2-Tetrachloroethane	79-34-5	1.0	ND
Tetrachloroethene	127-18-4	1.0	ND
1,1,1-Trichloroethane	71-55-6	1.0	ND
1,1,2-Trichloroethane	79-00-5	1.0	ND
Trichloroethene	79-01-6	1.0	ND
Trichlorofluoromethane	75-69-4	1.0	ND
Vinyl Chloride	75-01-4	1.0	ND
Benzene	71-43-2	1.0	ND
Toluene	108-88-3	1.0	ND
Ethyl Benzene	100-41-4	1.0	ND
Xylenes (Total)	-	1.0	ND

00012

1 D-T

NYTEST ENVIRONMENTAL INC.

TCL PESTICIDE/PCB ORGANICS ANALYSIS DATA SHEET

SAMPLE MATRIX: WATER SAMPLE ID: HP-1
CONC. LEVEL: LOW LAB SAMPLE ID: 9225001
EXTRACTION DATE: 8/05/91 DIL FACTOR: 1.00
ANALYSIS DATE: 8/08/91 % MOISTURE: NA

UG/L

CPMPD #	CAS Number	PESTICIDE/PCB COMPOUND	UG/L
1	319-84-6	Alpha-BHC	NA
2	319-85-7	Beta-BHC	NA
3	319-86-8	Delta-BHC	NA
4	58-89-9	Gamma-BHC(Lindane)	NA
5	76-44-8	Heptachlor	NA
6	309-00-2	Aldrin	NA
7	1024-57-3	Heptachlor Epoxide	NA
8	959-98-8	Endosulfan I	NA
9	60-57-1	Dieldrin	NA
10	72-55-9	4,4'-DDE	NA
11	70-20-8	Endrin	NA
12	33213-65-9	Endosulfan II	NA
13	72-54-8	4,4'-DDD	NA
14	1031-07-8	Endosulfan Sulfate	NA
15	50-29-3	4,4'-DDT	NA
16	53494-70-5	Endrin Ketone	NA
17	72-43-5	Methoxychlor	NA
18	57-74-9	Chlordane	NA
19	8001-35-2	Toxaphene	NA
20	12674-11-2	Aroclor-1016	0.500 U.
21	11104-28-2	Aroclor-1221	0.500 U.
22	11141-16-5	Aroclor-1232	0.500 U.
23	53469-21-9	Aroclor-1242	0.500 U.
24	12672-29-6	Aroclor-1248	0.500 U.
25	11097-69-1	Aroclor-1254	1.000 U.
26	11096-82-5	Aroclor-1260	1.000 U.

00013

Chromatogram

Sample Name : 9225-001

FileName : c:\2700\data2\PA07004.raw

Start Time : 0.00 min

Scale Factor: 1

End Time : 38.00 min

Plot Offset: -41 mV

Sample #: HP-1

Data : 8/5/91 02:48 PM

Low Point : -40.83 mV

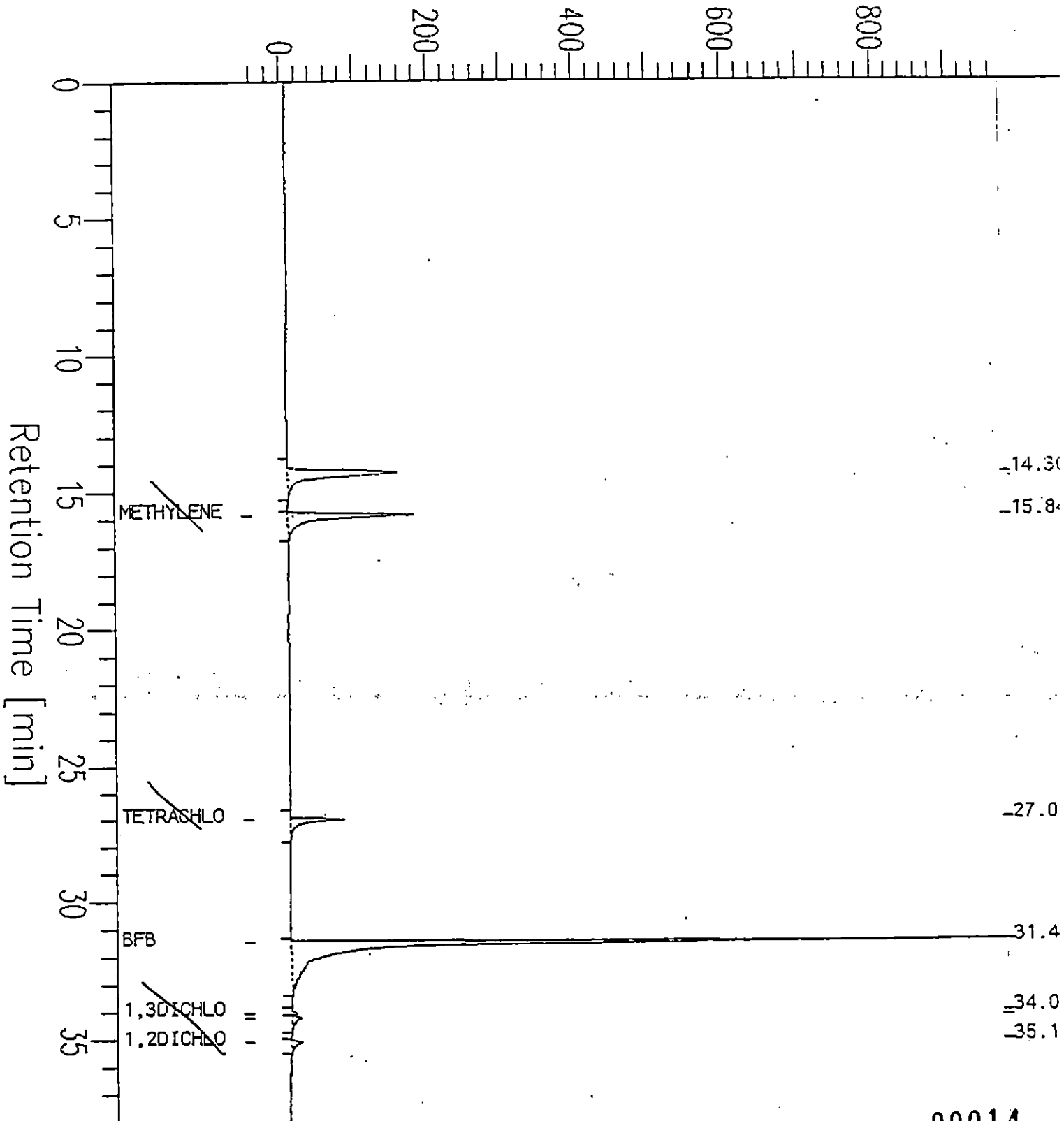
Plot Scale: 1015 mV

Page 1 of 1

High Point : 973.63

CA. Reich 8/1/91

A Response [mV]



00014

Chromatogram

Sample Name : 9225-001

FileName : c:\2700\data\QA07004.raw

Start Time : 0.00 min

Scale Factor: 1

End Time : 38.00 min

Plot Offset: 8 mV

Sample #: PH-1

Date : 8/6/91 02:47 PM

Low Point : 7.68 mV

Plot Scale: 5 mV

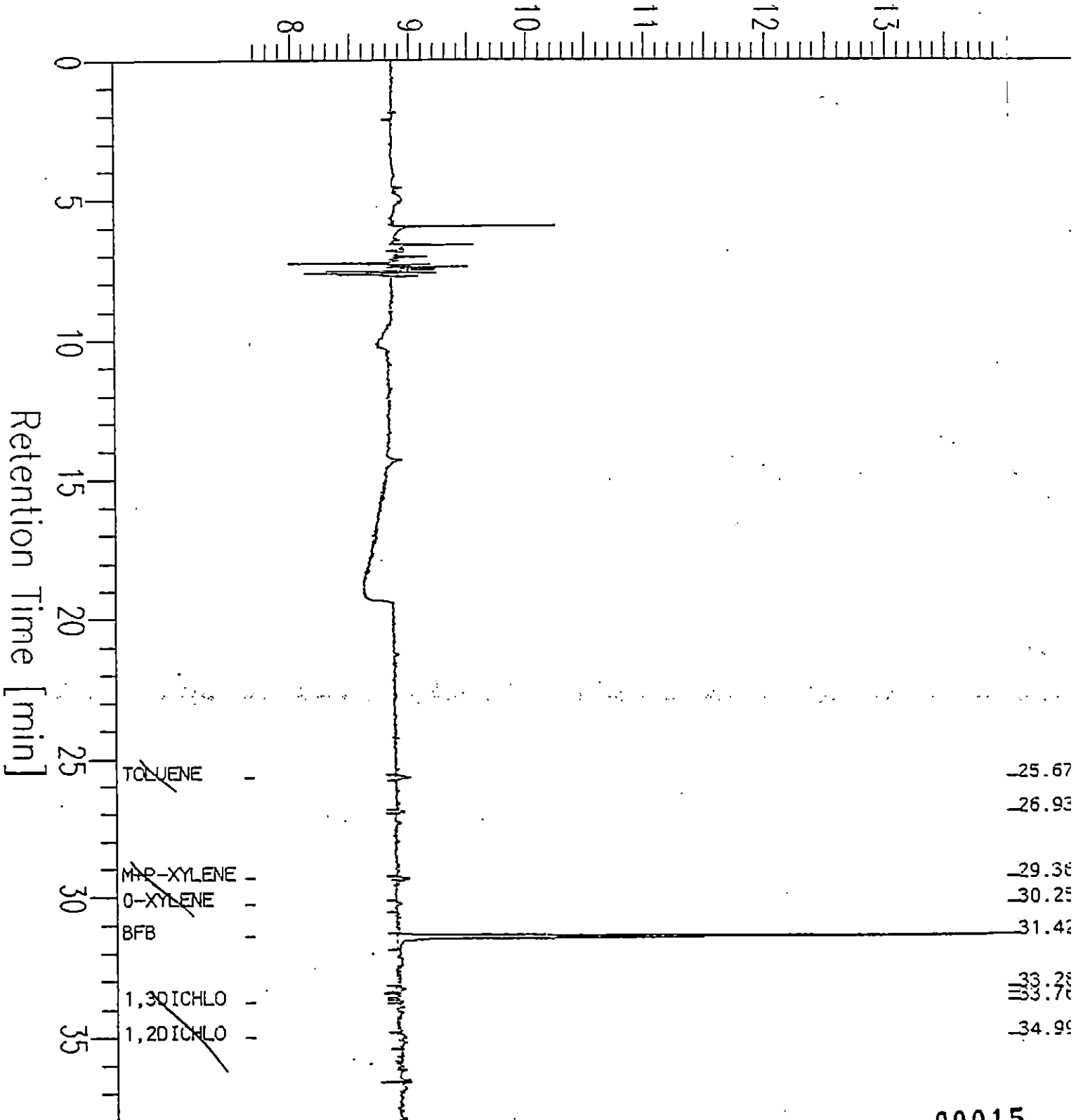
Page 1 of 1

High Point : 13.98 m

C.A. Reich 8/1/91

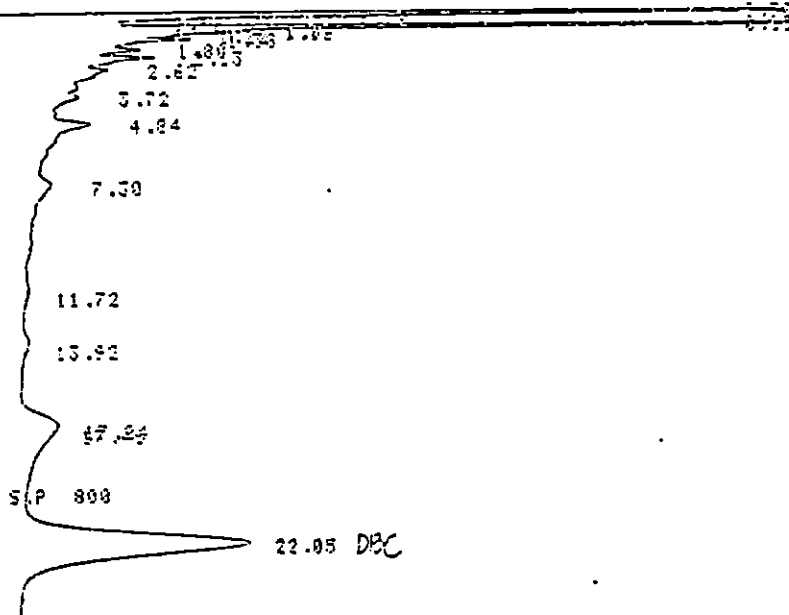
B

Response [mV]



00015

2nd C.A. Rich Co. 9225-001 HP-1 8/1 → 3/5 11/7/12
 CH. 1 C.S. 5.00 ATT 1 OFFS 0 08/08/91 10:33



TEMP: ISO 200 C
 4XSE30/6XSP2401
 6FT/2MM ID ECD
 TRACOR 222 A 1
 METH'S 608 /5098 /3088 /8150

D-2000

08/08/91 10:33

SAMPLE: PCB TAG: 60 CH: 1

FILE: 1 CALC-METHOD: AREA TABLE: 9 CONC: AREA

NO.	RT	AREA	HEIGHT	RT	SC	NAME
1	0.30	32192	4262	0.30	BU	
2	0.52	1263	469	0.50	TSS	
3	0.85	23113	3450	0.85	UU	
6	1.04	3815	573	1.04	UU	
7	1.12	3295	565	1.12	UU	
8	1.22	2556	393	1.22	UU	
9	1.38	6327	404	1.38	UU	
10	1.80	4237	250	1.80	UU	
11	2.13	5627	265	2.13	UU	
12	2.62	2842	122	2.62	UB	
13	3.72	516	35	3.72	BB	
14	4.34	1721	86	4.34	BB	
15	7.30	847	27	7.30	BB	
17	13.92	402	12	13.92	BB	
18	17.24	2952	73	17.24	BU	
19	17.46	1832	62	17.46	UB	
20	22.05	36964	552	22.05	BB	

TOTAL

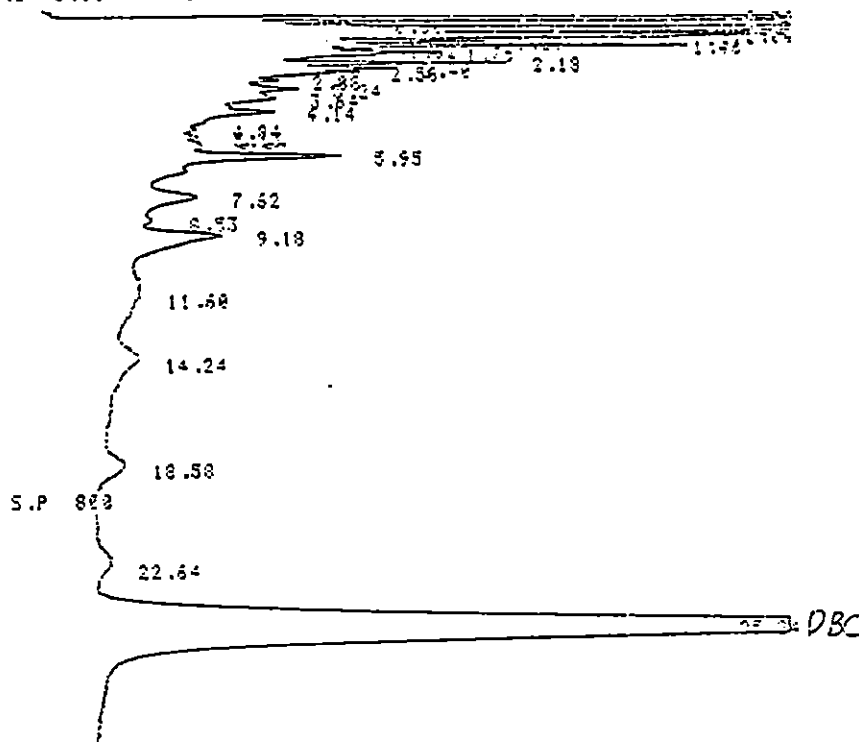
129152 11600

PEAK REJ : 299

RAW DATA STORAGE NO. 47

00016

2/16 C.A. Rich Co. 9225-001 HF-1 3/1-2/5 1000/10
CH. 2 C.S. 5.00 ATT 1 OFFS 5 08/08/91 14:58



TEMP: 150 200 C
1.5%SP2250/1.93%SP2401
6FT: 4MM ID. ECD
TRACOR 222 A 2
METH: 5 608 /5898 /8898 /8150

D-2020

08/08/91 14:56

SAMPLE: PCB

TAG: 357 CH: 2

FILE: 2 CALC-METHOD: AREA% TABLE: 0 CONC: AREA

NO.	RT	AREA	HEIGHT	RRT	SC	NAME
1	0.30	59148	12180	0.30	UU	
2	0.46	3238	1276	0.46	TBB	
4	0.72	63171	12329	0.72	UU	
5	0.85	8972	2147	0.85	UU	
6	1.00	10135	1942	1.00	UU	
7	1.04	7856	1958	1.04	UU	
8	1.10	8451	1566	1.10	UU	
9	1.28	9263	1067	1.28	UU	
10	1.46	12541	1576	1.46	UU	
11	1.62	5512	781	1.62	UU	
12	1.75	16516	941	1.75	UU	
13	2.18	11256	1094	2.18	UU	
14	2.40	8328	887	2.40	UU	
15	2.56	10308	713	2.56	UU	
16	2.88	6106	498	2.88	UU	
17	3.24	10973	535	3.24	UU	
18	3.64	11677	467	3.64	UU	
19	4.14	16713	445	4.14	UU	
20	4.84	3725	229	4.84	UU	
21	5.13	3258	222	5.13	UU	
22	5.57	6110	225	5.57	UU	
23	5.95	17248	562	5.95	UU	
24	7.62	4543	143	7.62	UU	
25	9.18	6709	208	9.18	UU	
27	11.60	2387	32	11.60	UU	
28	14.24	2355	58	14.24	UU	
29	18.58	2132	51	18.58	UU	
30	22.64	1664	33	22.64	UU	
31	25.24	141769	2375	25.24	UU	

TOTAL

472100 46444

PEAK REJ : 899

RAW DATA STORAGE NO.

60

00017

nytest environmental inc

VOLATILE ORGANICS: METHOD 601/602

Sample ID: HP-2
Lab Sample ID No.: 9225002
Sample Size: 5ml

Log in No.: 9225

Parameter(s)	Cas #	MDL (ug/l)	Found (ug/l)
Bromodichloromethane	75-27-4	1.0	ND
Bromoform	75-25-2	1.0	ND
Bromomethane	74-83-9	1.0	ND
Carbon Tetrachloride	56-23-5	1.0	ND
Chlorobenzene	108-90-7	1.0	ND
Chloroethane	75-00-3	1.0	ND
2-Chloroethylvinyl ether	100-75-8	1.0	ND
Chloroform	67-66-3	1.0	ND
Chloromethane	74-87-3	1.0	ND
Dibromochloromethane	124-48-1	1.0	ND
1,2-Dichlorobenzene	95-50-1	1.0	ND
1,3-Dichlorobenzene	541-73-1	1.0	ND
1,4-Dichlorobenzene	106-46-7	1.0	ND
1,1-Dichloroethane	75-46-7	1.0	ND
1,2-Dichloroethane	107-06-2	1.0	ND
1,1-Dichloroethene	75-35-4	1.0	ND
trans-1,2-Dichloroethene	156-60-5	1.0	ND
1,2-Dichloropropane	78-87-5	1.0	ND
cis-1,3-Dichloropropene	10061-01-5	1.0	ND
trans-1,3-Dichloropropene	10061-02-5	1.0	ND
Methylene Chloride	75-09-2	1.0	ND
1,1,2,2-Tetrachloroethane	79-34-5	1.0	ND
Tetrachloroethene	127-18-4	1.0	ND
1,1,1-Trichloroethane	71-55-6	1.0	ND
1,1,2-Trichloroethane	79-00-5	1.0	ND
Trichloroethene	79-01-6	1.0	ND
Trichlorofluoromethane	75-69-4	1.0	ND
Vinyl Chloride	75-01-4	1.0	ND
Benzene	71-43-2	1.0	ND
Toluene	108-88-3	1.0	ND
Ethyl Benzene	100-41-4	1.0	ND
Xylenes (Total)	-	1.0	ND

00018

1 D-T
NYTEST ENVIRONMENTAL INC.

TCL PESTICIDE/PCB ORGANICS ANALYSIS DATA SHEET

SAMPLE MATRIX: WATER SAMPLE ID: HP-2
CONC. LEVEL: LOW LAB SAMPLE ID: 9225002
EXTRACTION DATE: 8/05/91 DIL FACTOR: 1.00
ANALYSIS DATE: 8/08/91 % MOISTURE: NA

UG/L

CMPD # CAS Number PESTICIDE/PCB COMPOUND

1	319-84-6	Alpha-BHC	NA
2	319-85-7	Beta-BHC	NA
3	319-86-8	Delta-BHC	NA
4	58-89-9	Gamma-BHC(Lindane)	NA
5	76-44-8	Heptachlor	NA
6	309-00-2	Aldrin	NA
7	1024-57-3	Heptachlor Epoxide	NA
8	959-98-8	Endosulfan I	NA
9	60-57-1	Dieldrin	NA
10	72-55-9	4,4'-DDE	NA
11	70-20-8	Endrin	NA
12	33213-65-9	Endosulfan II	NA
13	72-54-8	4,4'-DDD	NA
14	1031-07-8	Endosulfan Sulfate	NA
15	50-29-3	4,4'-DDT	NA
16	53494-70-5	Endrin Ketone	NA
17	72-43-5	Methoxychlor	NA
18	57-74-9	Chlordane	NA
19	8001-35-2	Toxaphene	NA
20	12674-11-2	Aroclor-1016	0.500 U.
21	11104-28-2	Aroclor-1221	0.500 U.
22	11141-16-5	Aroclor-1232	0.500 U.
23	53469-21-9	Aroclor-1242	0.500 U.
24	12672-29-6	Aroclor-1248	0.500 U.
25	11097-69-1	Aroclor-1254	1.000 U.
26	11096-82-5	Aroclor-1260	1.000 U.

00019

Chromatogram

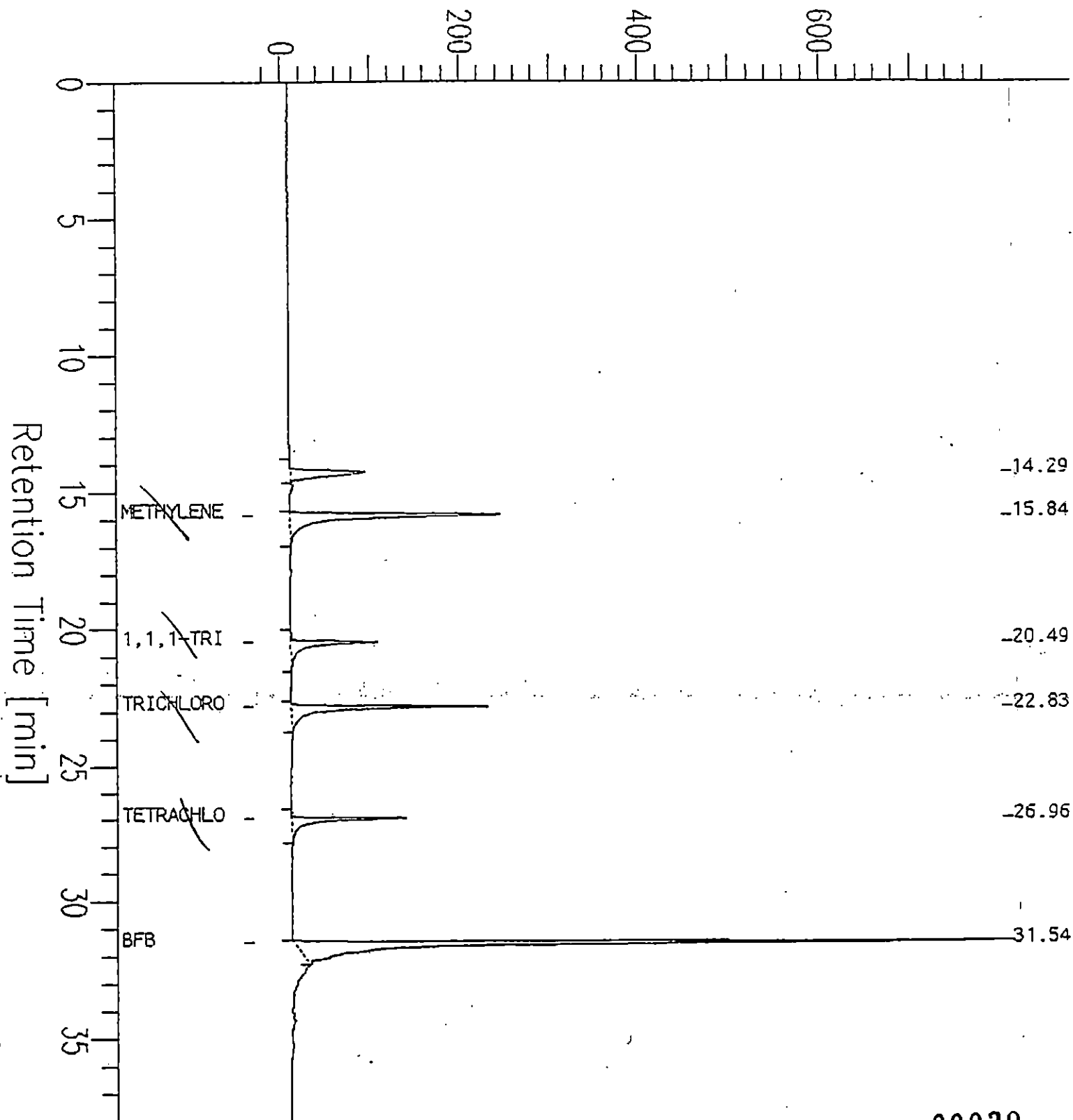
Sample Name : 9225-002
FileName : c:\2700\data2\PA07005.raw
Start Time : 0.00 min
Scale Factor : 1
End Time : 38.00 min
Plot Offset: -33 mV

Sample #: HP-2
Date : 8/6/91 03:43 PM
Low Point : -32.45 mV
Plot Scale: 832 mV

Page 1 of 1
High Point : 799.33

C.A. Rich 8/1/91

A Response [mV]



00020

Chromatogram

Sample Name : 9225-002

FileName : c:\2700\data0\QA07005.raw

Start Time : 0.00 min

Scale Factor: 1

End Time : 38.00 min

Plot Offset: 6 mV

Sample #: HP-2

Date : 8/6/91 03:41 PM

Low Point : 6.30 mV

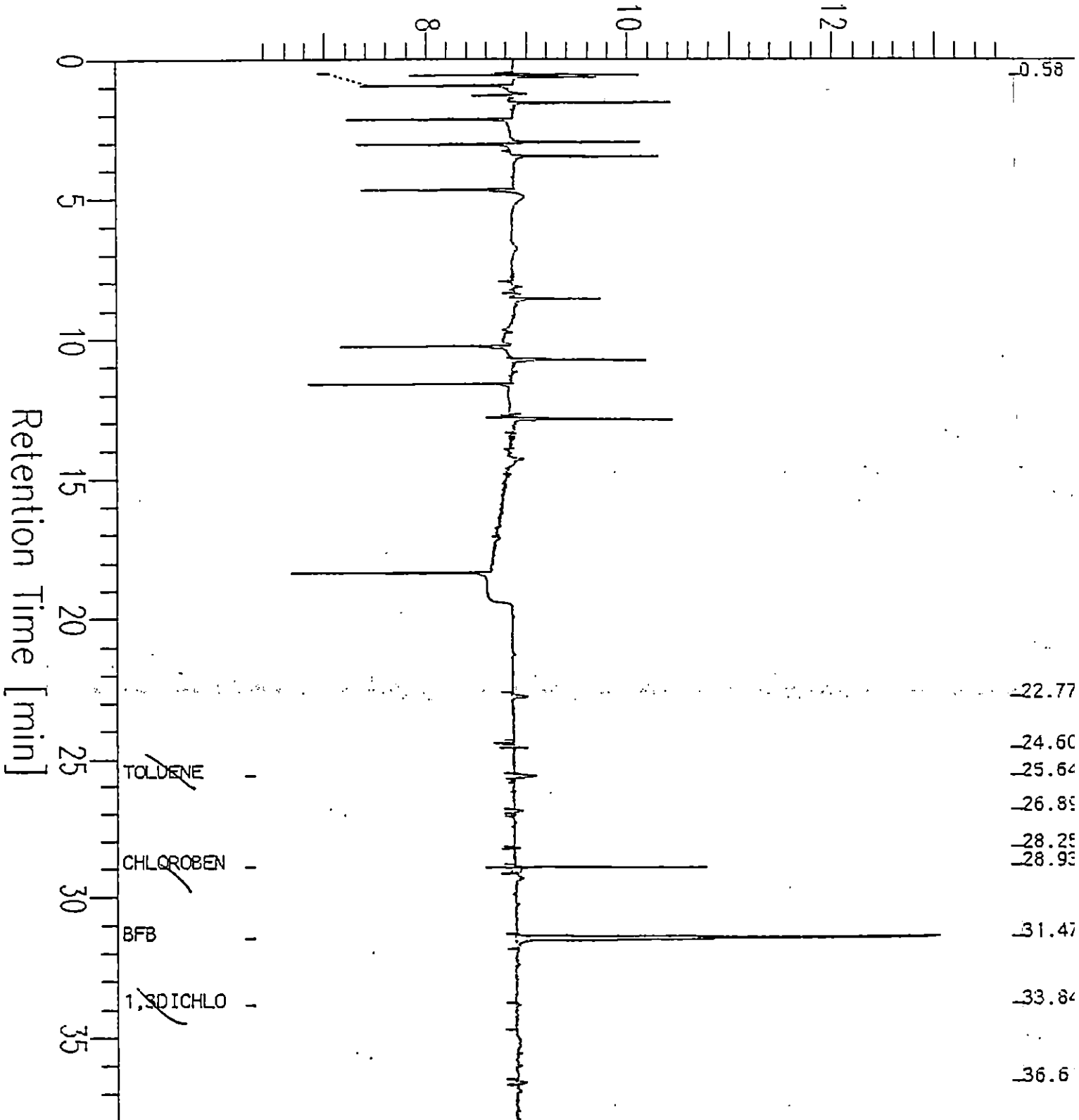
Plot Scale: 7 mV

Page 1 of 1

High Point : 13.72 m

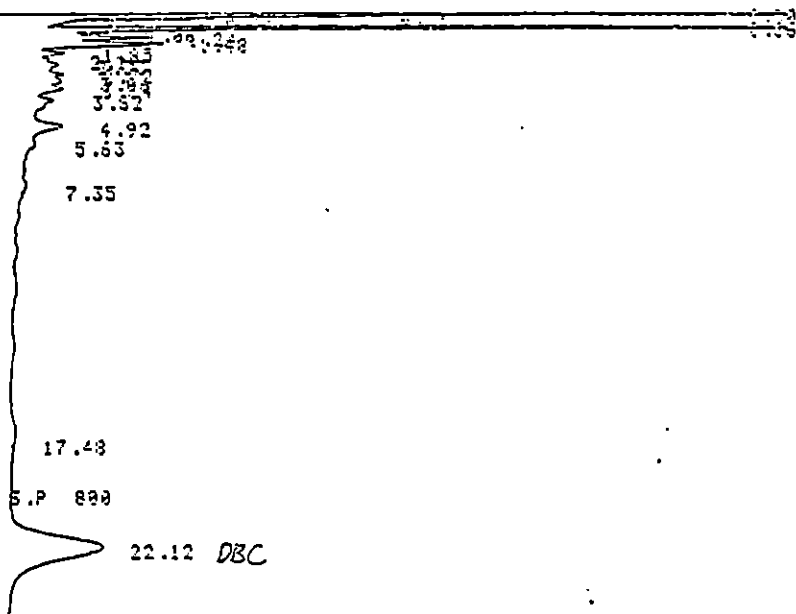
CA. Rich 8/1/91

B Response [mV]



00021

2nd C.A. Rich En. 9225-002 HP-2 1/1 → 3/5 1m/1
 CH. 1 C.S 3.00 ATT 1 OFF5 0 08/03/91 11:18



TEMP: ISO 200 C
 4%SE38/6%SP2401
 6FT:2MM ID ECD
 TRACOR 222 A 1
 METH'S 608 /5093 /3680 /8150

D-2000

08/03/91 11:18

SAMPLE: PCB

TAG: 61 CH: 1

FILE: 1 CALC-METHOD: AREA% TABLE: 0 CONC: AREA

NO.	RT	AREA	HEIGHT	APT. SC	NAME
1	0.38	17276	3439	0.38	BU
2	0.38	394	251	0.38	T98
3	0.51	917	355	0.51	T88
6	0.86	17198	3251	0.86	UU
7	1.06	1672	267	1.06	UU
8	1.24	3574	351	1.24	UU
9	1.48	5169	380	1.48	UU
10	1.85	1913	139	1.85	UU
11	2.10	951	98	2.10	UU
12	2.33	2282	186	2.33	UU
13	2.72	1315	109	2.72	UU
14	3.06	1869	95	3.06	UU
15	3.34	1623	91	3.34	UU
16	3.82	1082	53	3.82	UB
17	4.92	1826	73	4.92	BB
19	7.35	376	12	7.35	BB
20	17.48	338	9	17.48	BB
21	22.12	14719	224	22.12	BB

TOTAL

73884

8886

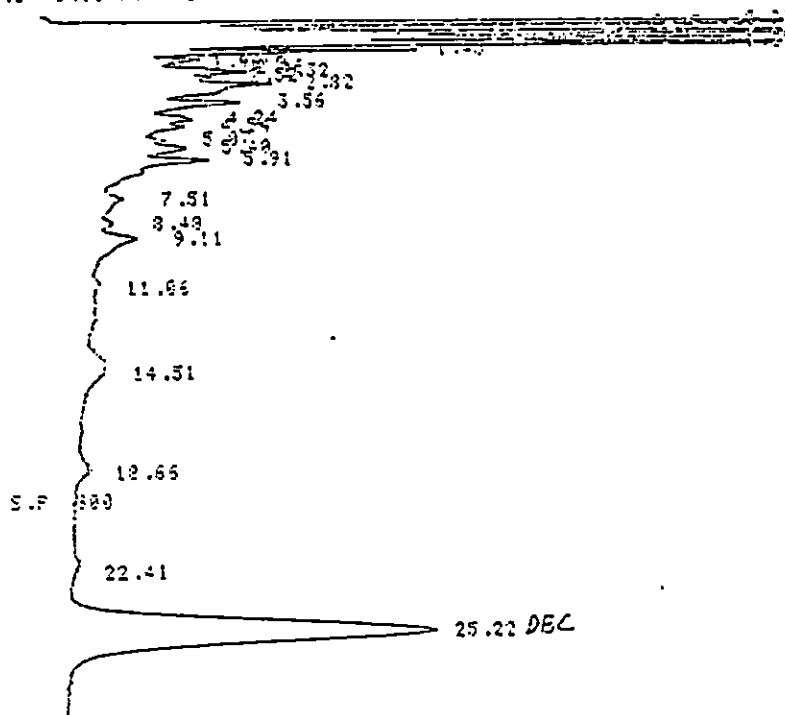
PEAK REJ : 299

RAW DATA STORAGE NO.

49

00022

Lab C.A. Rich Components 9235-002 HC-2 1/1 → 1/5 127/1
 CH. 2 C.S. 5.00 ATT 1 OFFS 5 09/09/91 15:35



TEMP: ISO 200 C
 1.5%SP2250/1.95%SP2401
 6FT: 4MM ID ECD
 TRACOR 222 A 2
 METH'S 608 /5095 /3080 /8150

0-2300

09/09/91 15:35

SAMPLE: PC5

TAG: 358 CH: 2

FILE: 2 CALC-METHOD: AREA% TABLE: 0 CONC: AREA

NO.	RT	AREA	HEIGHT	RRT	BC	NAME
1	0.28	37070	8428	0.28	BU	
2	0.43	3492	1290	0.45	TU	
4	0.70	55073	12954	0.70	UU	
5	0.94	5332	1308	0.84	UU	
6	0.94	12643	1710	0.94	UU	
7	1.08	4559	1235	1.08	UU	
8	1.15	10129	2619	1.15	UU	
9	1.21	10749	2137	1.21	UU	
10	1.45	9698	890	1.45	UU	
11	1.76	4338	342	1.76	UU	
12	1.96	2304	277	1.96	UU	
13	2.16	3156	380	2.16	UU	
14	2.32	5987	444	2.32	UU	
15	2.52	4336	335	2.52	UU	
16	2.82	15651	496	2.82	UU	
17	3.56	9930	405	3.56	UU	
18	4.24	6238	269	4.24	UU	
19	4.54	6145	245	4.54	UU	
20	5.07	2909	180	5.07	UU	
21	5.40	6091	232	5.40	UU	
22	5.91	8537	275	5.91	UE	
23	7.51	1045	42	7.51	EB	
25	9.11	2666	85	9.11	EB	
27	14.51	2346	41	14.51	EB	
28	18.66	989	23	18.66	EB	
30	25.22	53262	907	25.22	EB	

TOTAL 236734 36673

PEAK RES: 399

RAW DATA STORAGE NO. 62

00023

nytest environmental inc

VOLATILE ORGANICS: METHOD 601/602

Sample ID: B-1(4-6)
 Lab Sample ID No.: 9225003
 Sample Size: 5g
 % Moisture: 6

Log in No.: 9225

Parameter(s)	Cas #	MDL (ug/kg)	Found (ug/kg)
Bromodichloromethane	75-27-4	1.0	ND
Bromoform	75-25-2	1.0	ND
Bromomethane	74-83-9	1.0	ND
Carbon Tetrachloride	56-23-5	1.0	ND
Chlorobenzene	108-90-7	1.0	ND
Chloroethane	75-00-3	1.0	ND
2-Chloroethylvinyl ether	100-75-8	1.0	ND
Chloroform	67-66-3	1.0	ND
Chloromethane	74-87-3	1.0	ND
Dibromochloromethane	124-48-1	1.0	ND
1,2-Dichlorobenzene	95-50-1	1.0	ND
1,3-Dichlorobenzene	541-73-1	1.0	ND
1,4-Dichlorobenzene	106-46-7	1.0	ND
1,1-Dichloroethane	75-46-7	1.0	ND
1,2-Dichloroethane	107-06-2	1.0	ND
1,1-Dichloroethene	75-35-4	1.0	ND
trans-1,2-Dichloroethene	156-60-5	1.0	ND
1,2-Dichloropropane	78-87-5	1.0	ND
cis-1,3-Dichloropropene	10061-01-5	1.0	ND
trans-1,3-Dichloropropene	10061-02-5	1.0	ND
Methylene Chloride	75-09-2	1.0	ND
1,1,2,2-Tetrachloroethane	79-34-5	1.0	ND
Tetrachloroethene	127-18-4	1.0	ND
1,1,1-Trichloroethane	71-55-6	1.0	ND
1,1,2-Trichloroethane	79-00-5	1.0	ND
Trichloroethene	79-01-6	1.0	ND
Trichlorofluoromethane	75-69-4	1.0	ND
Vinyl Chloride	75-01-4	1.0	ND
Benzene	71-43-2	1.0	ND
Toluene	108-88-3	1.0	ND
Ethyl Benzene	100-41-4	1.0	ND
Xylenes (Total)	-	1.0	ND

00024

1 D-T
NYTEST ENVIRONMENTAL INC.

TCL PESTICIDE/PCB ORGANICS ANALYSIS DATA SHEET

SAMPLE MATRIX: SOIL SAMPLE ID: 8-1(4-6)
CONC. LEVEL: LOW LAB SAMPLE ID: 9225003
EXTRACTION DATE: 8/03/91 DIL FACTOR: 4.00
ANALYSIS DATE: 8/08/91 % MOISTURE: 6

CMPD #	CAS Number	PESTICIDE/PCB COMPOUND	UG/KG
			(DRY BASIS)
1	319-84-6	Alpha-BHC	NA
2	319-85-7	Beta-BHC	NA
3	319-86-8	Delta-BHC	NA
4	58-89-9	Gamma-BHC(Lindane)	NA
5	76-44-8	Heptachlor	NA
6	309-00-2	Aldrin	NA
7	1024-57-3	Heptachlor Epoxide	NA
8	959-98-8	Endosulfan I	NA
9	60-57-1	Dieldrin	NA
10	72-55-9	4,4'-DDE	NA
11	70-20-8	Endrin	NA
12	33213-65-9	Endosulfan II	NA
13	72-54-8	4,4'-DDD	NA
14	1031-07-8	Endosulfan Sulfate	NA
15	50-29-3	4,4'-DDT	NA
16	53494-70-5	Endrin Ketone	NA
17	72-43-5	Methoxychlor	NA
18	57-74-9	Chlordane	NA
19	8001-35-2	Toxaphene	NA
20	12674-11-2	Aroclor-1016	340.000 U.
21	11104-28-2	Aroclor-1221	340.000 U.
22	11141-16-5	Aroclor-1232	340.000 U.
23	53469-21-9	Aroclor-1242	340.000 U.
24	12672-29-6	Aroclor-1248	1920.000 T.
25	11097-69-1	Aroclor-1254	680.000 U.
26	11096-82-5	Aroclor-1260	680.000 U.

Chromatogram

Sample Name : 9225-003

FileName : c:\2700\data2\PA07010.raw

Start Time : 0.00 min

Scale Factor: 1

End Time : 38.00 min

Plot Offset: -33 mV

Sample #: B-1

Date : 8/6/91 08:18 PM

Low Point : -33.21 mV

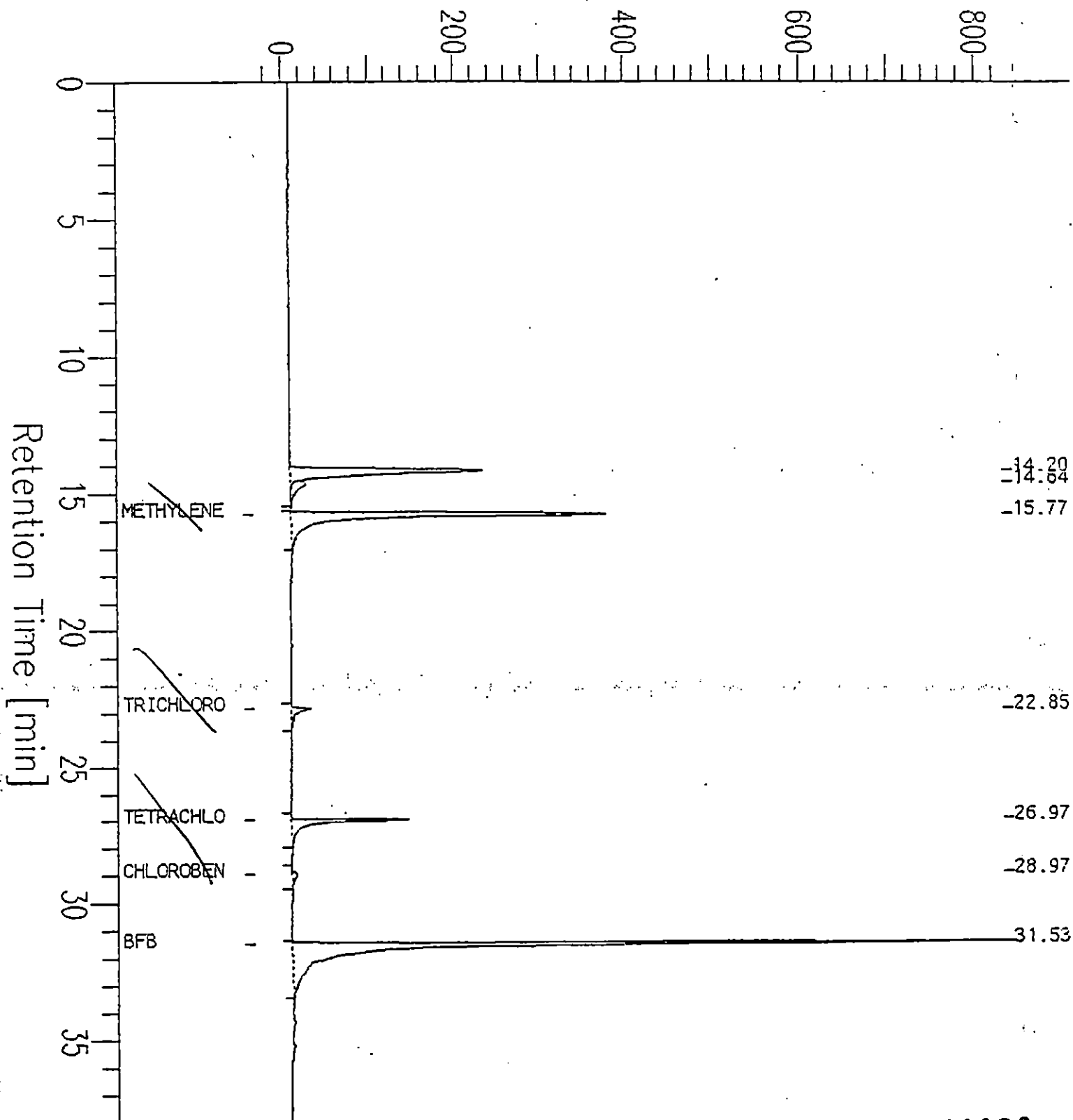
Plot Scale: 865 mV

Page 1 of 1

High Point : 832.00

C.A. Rich 8/1/91

A Response [mV]



00026

Chromatogram

Sample Name : 9225-003

FileName : c:\2700\data0\QA07010.raw

Start Time : 0.00 min

Scale Factor: 1

End Time : 38.00 min

Plot Offset: 7 mV

Sample #: B-1

Date : 8/7/91 07:40 AM

Low Point : 6.56 mV

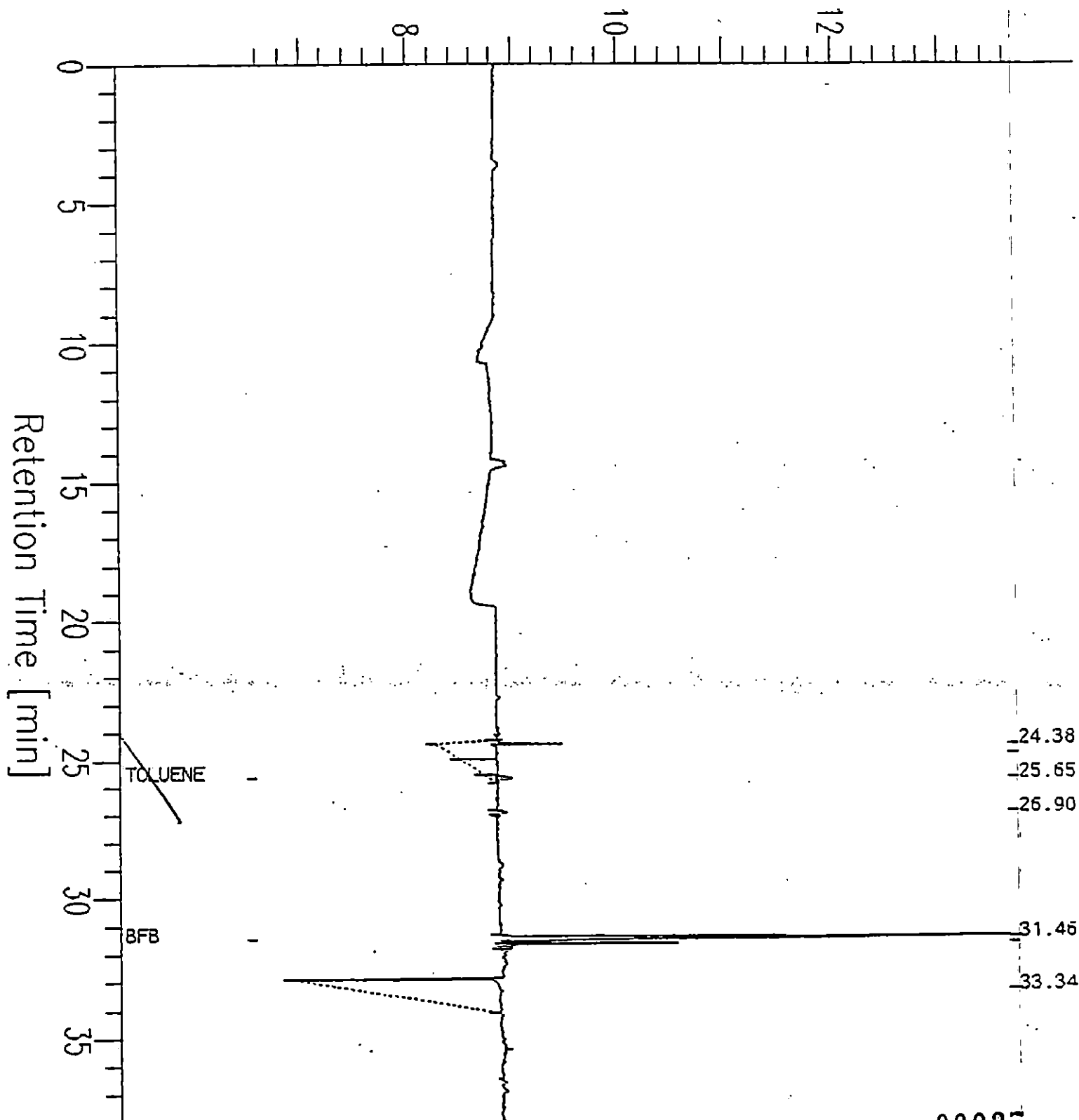
Plot Scale: 7 mV

Page 1 of 1

High Point : 13.62 m

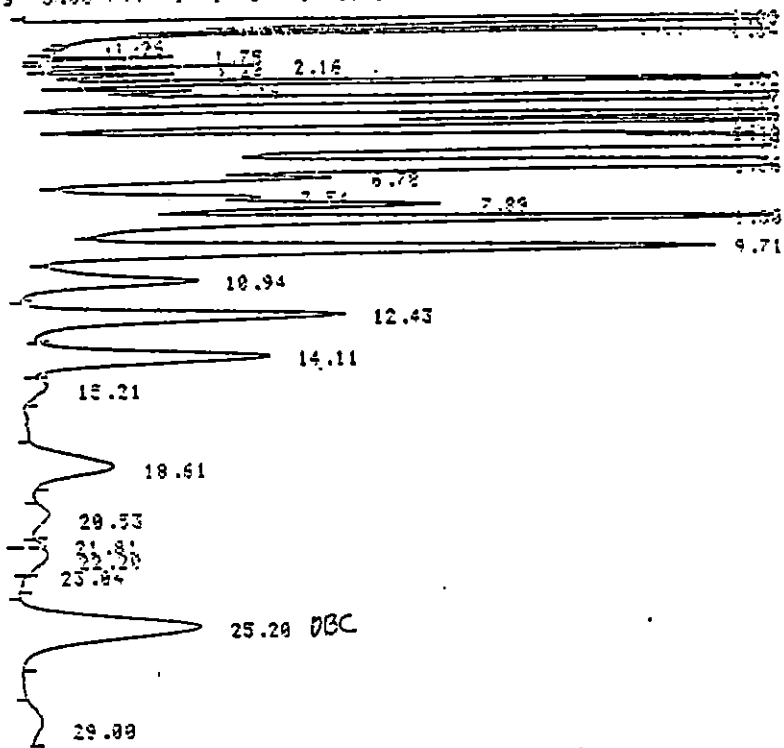
C. A. Rich 8/1/91

B Response [mV]



00027

2nd G Arch Co. 9275-03 E-1(4-6) 7/1-7/2 20/1 (11:4)
CH. 2 C.S 5.00 PTT 1 OFFS 8 08/08/91 10:36



TEMP: ISO 200 C
1.5%SP2250/1.95%SP2401
6FT:4MM ID. ECD
TRACOR 222 A 2
METH'S 609 /5099 /8000 /8150

D-2000

08/08/91 10:36

SAMPLE: PCB

TAG: 351 CH: 2

FILE: 2 CALC-METHOD: AREAZ TABLE: 0 CONC: AREA

NO.	RT	AREA	HEIGHT	RPT	GC	NAME
1	0.28	122096	13886	0.29	BU	
2	0.35	5662	2094	0.35	TBB	
3	0.44	959	811	0.44	TBB	
4	0.69	2742	1037	0.69	TBB	
5	0.84	6363	2195	0.84	TBB	
8	1.75	1578	351	1.75	TBB	
10	2.16	3116	543	2.16	TBU	
11	2.46	2647	344	2.46	TUU	
12	2.82	29803	4269	2.82	TUU	
13	3.16	3562	392	3.16	TUU	
14	3.57	87142	6689	3.57	TUU	
15	4.26	58866	4508	4.26	TUU	
16	4.57	27127	2250	4.57	TUU	
17	5.09	19944	1840	5.09	TUU	
18	5.39	12432	5728	5.39	TUU	
19	6.36	71442	2925	6.36	TUU	
20	6.78	12368	762	6.78	TUU	
21	7.54	10490	503	7.54	TUU	
22	7.89	24254	1045	7.89	TUU	
23	8.50	44991	1979	8.50	TUU	
24	9.71	46935	1756	9.71	TUU	
25	10.94	14151	432	10.94	TUR	
26	12.43	23576	793	12.43	BB	
27	14.11	19496	581	14.11	BB	
28	15.21	1375	36	15.21	TAB	
29	18.61	10722	199	18.61	BB	
30	20.53	1178	34	20.53	BB	
32	22.20	3700	77	22.20	BU	
34	25.20	26831	445	25.20	BB	
35	29.09	2005	34	29.09	BB	

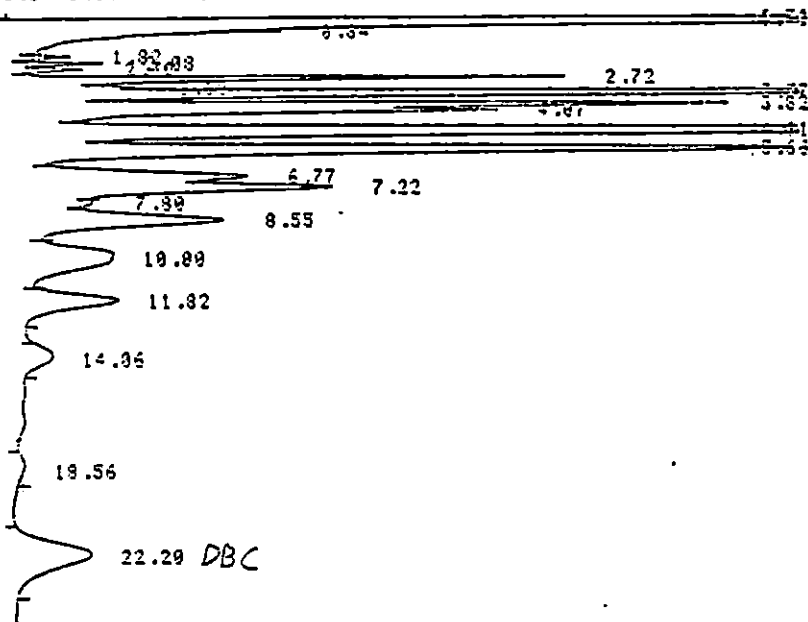
TOTAL 802383 37797

PEAK REJ : 899

RAW DATA STORAGE NO. 48

00028

2 ml B.A. Rich 9225-003 B-1 (4-4) 2/1 → 5/3 30/1 (1:4)
 CH. 1 C.S 5.00 ATT 1 OFF 0 08/08/91 13:11



TEMP: 150 200 C
 4%SE30/5%SP2401
 6FT/2MM ID ECD
 TRACOR 222 A 1
 METH'S 603 /5099 /8080 /8150

D-2908

08/08/91 13:11

SAMPLE: CB

TAG: 64 CH: 1

FILE: 1 CALC-METHOD: AREA% TABLE: 8 CONC: AREA

NO.	RT	AREA	HEIGHT	RRT	BC	NAME
1	0.39	94771	4968	0.39	80	
2	0.49	1694	331	0.49	T89	
3	0.84	693	233	0.84	T88	
4	1.82	669	184	1.82	T88	
5	2.08	1464	196	2.08	T80	
6	2.32	1182	149	2.32	T08	
7	2.72	14897	1352	2.72	T80	
8	3.19	2148	247	3.19	T00	
9	3.37	38434	2536	3.37	T00	
10	3.82	21182	1699	3.82	T00	
11	4.07	14167	1183	4.07	T09	
12	4.91	63094	2844	4.91	00	
13	5.66	44977	1956	5.66	00	
14	6.77	16474	581	6.77	00	
15	7.22	28318	794	7.22	00	
16	7.80	4922	195	7.80	00	
17	8.55	19558	514	8.55	00	
18	10.09	15738	235	10.09	00	
19	11.82	9279	237	11.82	08	
20	14.06	2558	58	14.06	88	
21	18.56	638	16	18.56	88	
22	22.20	12938	187	22.20	88	

TOTAL

480453

28735

PEAK REJ : 299

RAW DATA STORAGE NO.

55

00029

VOLATILE ORGANICS: METHOD 601/602

Log in No.: 9225

Sample ID: B-2(10-12)
Lab Sample ID No.: 9225004
Sample Size: 5g
& Moisture: 23

Parameter(s)	Cas #	MDL (ug/kg)	Found (ug/kg)
Bromodichloromethane	75-27-4	1.0	ND
Bromoform	75-25-2	1.0	ND
Bromomethane	74-83-9	1.0	ND
Carbon Tetrachloride	56-23-5	1.0	ND
Chlorobenzene	108-90-7	1.0	1.4 T
Chloroethane	75-00-3	1.0	ND
2-Chloroethylvinyl ether	100-75-8	1.0	ND
Chloroform	67-66-3	1.0	ND
Chloromethane	74-87-3	1.0	ND
Dibromochloromethane	124-48-1	1.0	ND
1,2-Dichlorobenzene	95-50-1	1.0	1.40 T
1,3-Dichlorobenzene	541-73-1	1.0	650 T
1,4-Dichlorobenzene	106-46-7	1.0	780 T
1,1-Dichloroethane	75-46-7	1.0	ND
1,2-Dichloroethane	107-06-2	1.0	ND
1,1-Dichloroethene	75-35-4	1.0	ND
trans-1,2-Dichloroethene	156-60-5	1.0	ND
1,2-Dichloropropane	78-87-5	1.0	ND
cis-1,3-Dichloropropene	10061-01-5	1.0	ND
trans-1,3-Dichloropropene	10061-02-5	1.0	ND
Methylene Chloride	75-09-2	1.0	ND
1,1,2,2-Tetrachloroethane	79-34-5	1.0	ND
Tetrachloroethene	127-18-4	1.0	ND
1,1,1-Trichloroethane	71-55-6	1.0	ND
1,1,2-Trichloroethane	79-00-5	1.0	ND
Trichloroethene	79-01-6	1.0	ND
Trichlorofluoromethane	75-69-4	1.0	ND
Vinyl Chloride	75-01-4	1.0	ND
Benzene	71-43-2	1.0	ND
Toluene	108-88-3	1.0	ND
Ethyl Benzene	100-41-4	1.0	ND
Xylenes (Total)	-	1.0	ND

1570

1 D-T
NYTEST ENVIRONMENTAL INC.

TCL PESTICIDE/PCB ORGANICS ANALYSIS DATA SHEET

SAMPLE MATRIX: SOIL SAMPLE ID: B-2(10-12)
CONC. LEVEL: LOW LAB SAMPLE ID: 9225004
EXTRACTION DATE: 8/03/91 DIL FACTOR: 5.00
ANALYSIS DATE: 8/08/91 % MOISTURE: 23

CMPD #	CAS Number	PESTICIDE/PCB COMPOUND	UG/KG
			(DRY BASIS)
1	319-84-6	Alpha-BHC	NA
2	319-85-7	Beta-BHC	NA
3	319-86-8	Delta-BHC	NA
4	58-89-9	Gamma-BHC(Lindane)	NA
5	76-44-8	Heptachlor	NA
6	309-00-2	Aldrin	NA
7	1024-57-3	Heptachlor Epoxide	NA
8	959-98-8	Endosulfan I	NA
9	60-57-1	Dieldrin	NA
10	72-55-9	4,4'-DDE	NA
11	70-20-8	Endrin	NA
12	33213-65-9	Endosulfan II	NA
13	72-54-8	4,4'-DDD	NA
14	1031-07-8	Endosulfan Sulfate	NA
15	50-29-3	4,4'-DDT	NA
16	53494-70-5	Endrin Ketone	NA
17	72-43-5	Methoxychlor	NA
18	57-74-9	Chlordane	NA
19	8001-35-2	Toxaphene	NA
20	12674-11-2	Aroclor-1016	520.000 U.
21	11104-28-2	Aroclor-1221	520.000 U.
22	11141-16-5	Aroclor-1232	520.000 U.
23	53469-21-9	Aroclor-1242	520.000 U.
24	12672-29-6	Aroclor-1248	520.000 U.
25	11097-69-1	Aroclor-1254	350.000 J.
26	11096-82-5	Aroclor-1260	1040.000 U.

00031

Chromatogram

Sample Name : 9225-004
 FileName : c:\2700\data0\QA07011.raw
 Start Time : 0.00 min
 Scale Factor: 1
 End Time : 33.00 min
 Plot Offset: 0 mV

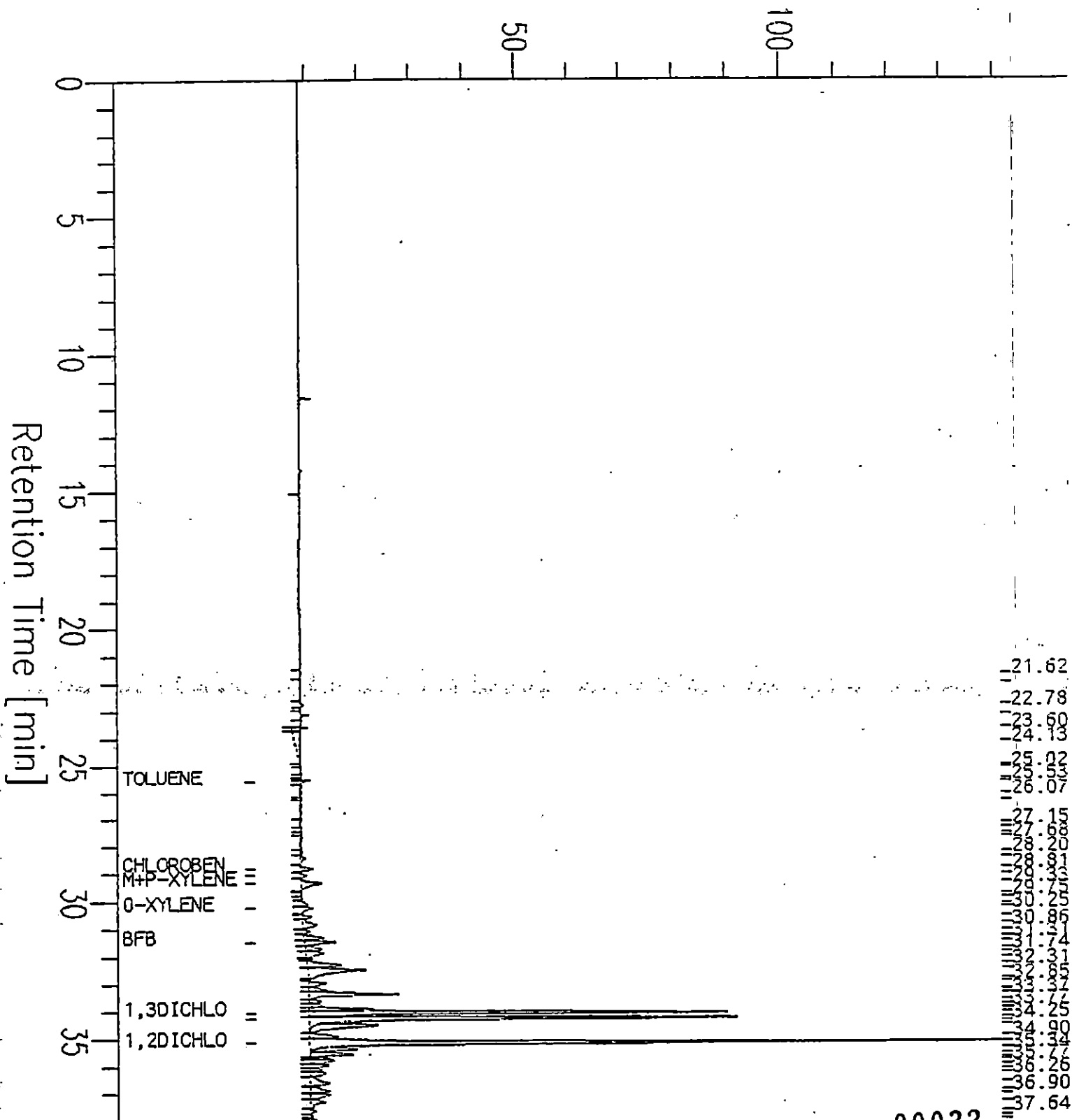
Sample #: B-2
 Date : 8/7/91 07:42 AM
 Low Point : 0.10 mV
 Plot Scale: 141 mV

Page 1 of 1

High Point : 140.95

C. A. Rich 8/1/91

B Response [mV]



00032

Chromatogram

Sample Name : 9225-004

FileName : c:\2700\data2\PA07011.raw

Start Time : 0.00 min

Scale Factor: 1

End Time : 38.00 min

Plot Offset: -492 mV

Sample #: 82

Date : 8/6/91 09:13 PM

Low Point : -491.97 mV

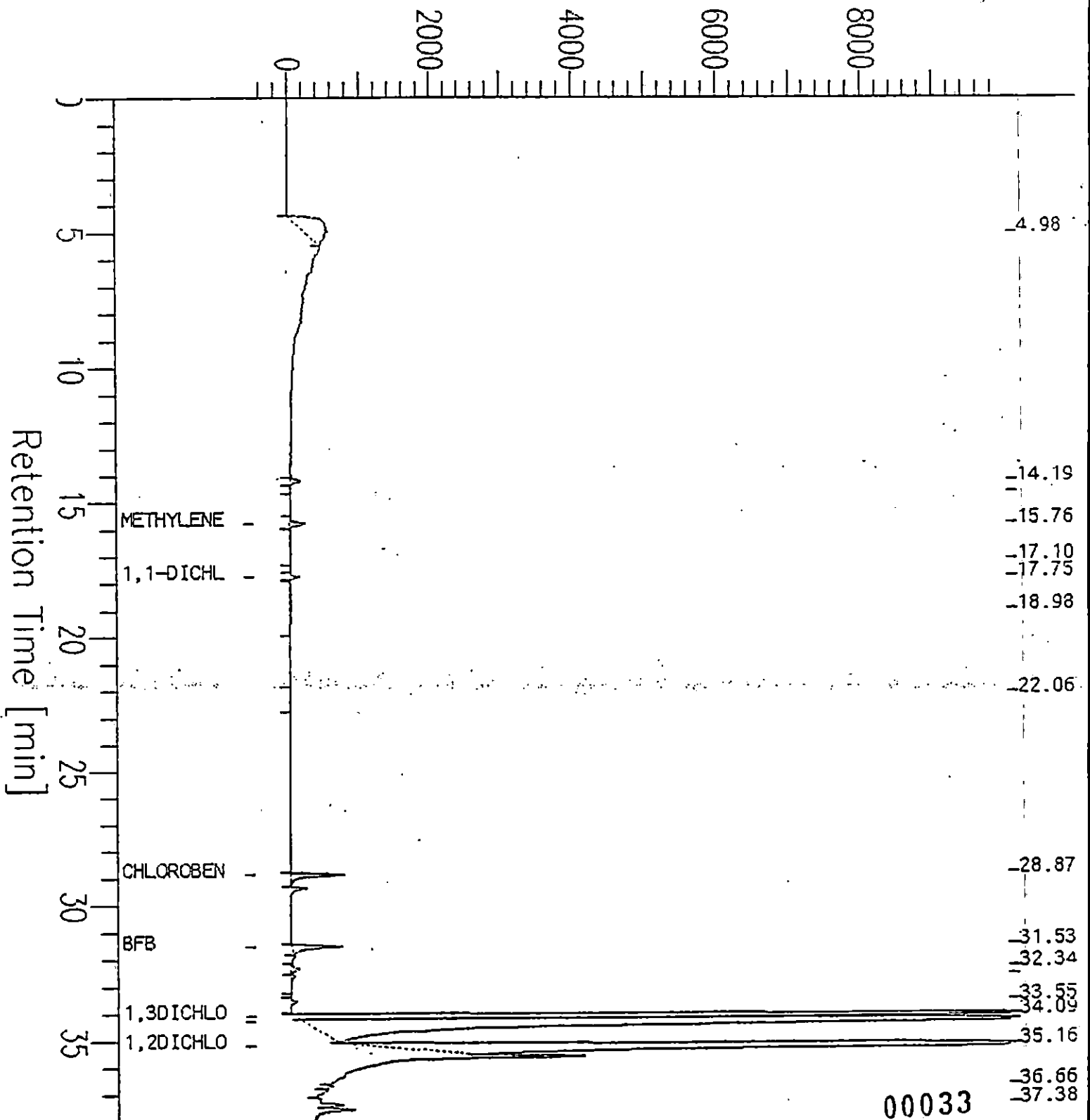
Plot Scale: 10492 mV

Page 1 of 1

High Point : 9999.99

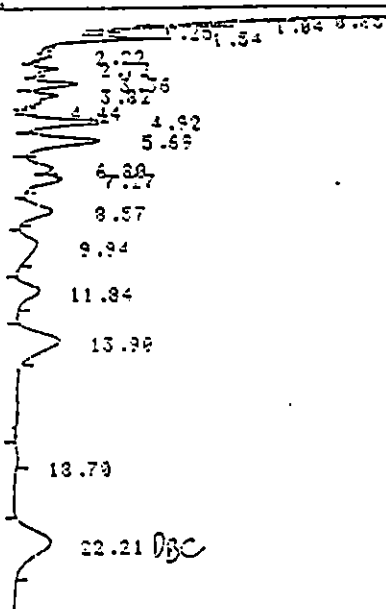
C.A. Rick 8/1/91

A Response [mV]



00033

272 L.A. Rich Co. 9225-004 B-2 (10-12) 3/1 → 1/3 30/1 (1.5)
 CH. 1 C.S 5.80 ATT 1 OFF5 0 03/08/91 13:50



TEMP: 150 200 C
 423E30/625F2401
 6FT/2MM ID, ECD
 TRACOR 222 A 1
 METH'S 508 /5098 /3890 /3150

0-2000

06/08/91 13:50

SAMPLE: PC6

TAG: 65 CH: 1

FILE: 1 CALC-METHOD: AREA% TABLE: 0 CONC: AREA

NO	RT	AREA	HEIGHT	RT	QC	NAME
1	0.30	15987	3567	0.30	BU	
2	0.42	25106	4380	0.42	UU	
3	0.52	62724	4538	0.52	UU	
4	0.85	717	155	0.85	TBB	
5	1.04	1050	255	1.04	TBB	
6	1.25	456	75	1.25	TBU	
7	1.54	2252	251	1.54	TU9	
9	2.72	642	62	2.72	BB	
10	3.36	1527	113	3.36	BB	
11	3.82	1418	78	3.82	BB	
13	4.92	3767	205	4.92	BB	
14	5.63	4465	184	5.63	BB	
15	6.88	1866	75	6.88	BU	
16	7.27	2168	94	7.27	UB	
17	8.57	2298	76	8.57	BB	
18	9.94	1850	42	9.94	BB	
19	11.84	1991	56	11.84	BB	
20	13.90	4309	101	13.90	BB	
22	22.21	5699	86	22.21	BB	

TOTAL

140918

14429

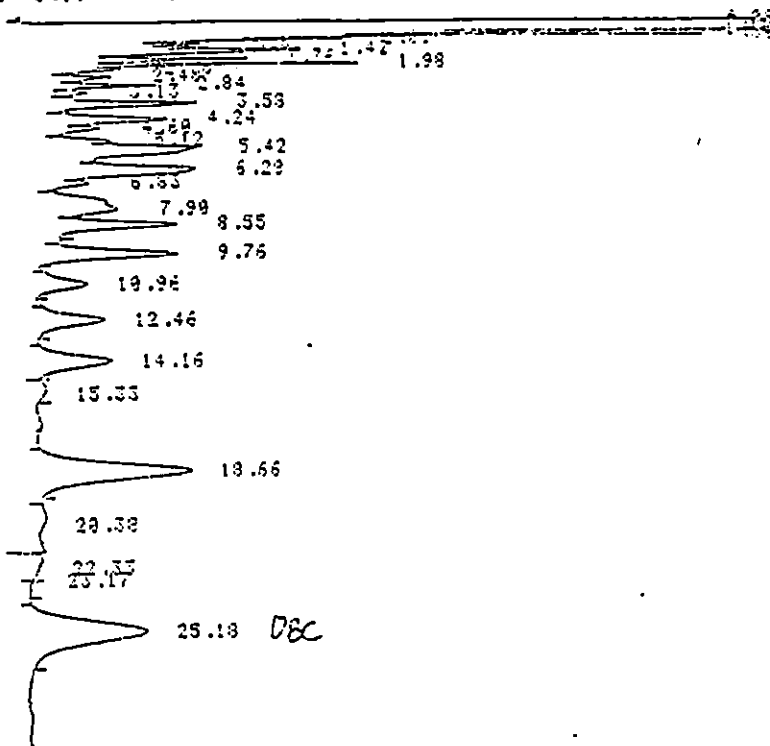
PEAK REJ : 299

RAW DATA STORAGE NO.

57

00034

2nd C.A. Rich Co. 9225-004 B-2 (10-12) 1/1 → 5/3 20/1 (1:4)
 CH. 2 C.S 5.00 ATT 1 OFFS 5 08/08/91 11:21



TEMP: ISO 200 C
 1.5%SF2250/1.95%SF2401
 6FT:4MM ID ECD
 TRACOR 222 A 2
 METH'S 600 /5098 /8090 /8150

D-2000

08/08/91 11:21

SAMPLE: PCB

TAG: 352 CH: 2

FILE: 2 CALC-METHOD: AREA% TABLE: 0 CONC: AREA

NO.	RT	AREA	HEIGHT	RAT	BC	NAME
1	0.29	34189	9436	0.29	8U	
2	0.41	71464	14192	0.41	UU	
3	0.48	126787	14857	0.48	UU	
4	0.71	12237	2433	0.71	UU	
5	0.86	43755	1720	0.86	UU	
6	1.01	1439	336	1.01	T38	
9	1.42	4804	433	1.42	T98	
10	1.76	2275	361	1.76	T5U	
11	1.98	3250	630	1.98	TUU	
12	2.16	997	111	2.16	TU8	
13	2.48	1167	115	2.48	T8U	
14	2.84	1861	229	2.84	TU8	
16	3.58	4495	337	3.58	T88	
17	4.24	4381	266	4.24	T8U	
18	4.60	1368	106	4.60	TU8	
19	5.12	1656	142	5.12	T8U	
20	5.42	10353	357	5.42	TUU	
21	6.28	9763	356	6.28	TUU	
22	6.83	1438	100	6.83	TU8	
23	7.99	6521	158	7.99	8U	
24	8.55	5764	292	8.55	U8	
25	9.76	7375	317	9.76	88	
26	10.96	3124	115	10.96	88	
27	12.46	4632	156	12.46	88	
28	14.16	6163	179	14.16	88	
30	18.66	16731	368	18.66	88	
31	20.38	3938	25	20.38	88	
32	22.33	2919	58	22.33	8U	
34	25.18	17332	283	25.18	88	

TOTAL

411375

48538

PEAK REJ : 899

RAW DATA STORAGE NO.

59

00035

VOLATILE ORGANICS: METHOD 601/602

Sample ID: B-3(4-6)
 Lab Sample ID No.: 9225005
 Sample Size: 5g
 & Moisture: 15

Log In No.: 9225

Parameter(s)	Cas #	MDL (ug/kg)	Found (ug/kg)
Bromodichloromethane	75-27-4	1.0	ND
Bromoform	75-25-2	1.0	ND
Bromomethane	74-83-9	1.0	ND
Carbon Tetrachloride	56-23-5	1.0	ND
Chlorobenzene	108-90-7	1.0	ND
Chloroethane	75-00-3	1.0	ND
2-Chloroethylvinyl ether	100-75-8	1.0	ND
Chloroform	67-66-3	1.0	ND
Chloromethane	74-87-3	1.0	ND
Dibromochloromethane	124-48-1	1.0	ND
1,2-Dichlorobenzene	95-50-1	1.0	ND
1,3-Dichlorobenzene	541-73-1	1.0	ND
1,4-Dichlorobenzene	106-46-7	1.0	ND
1,1-Dichloroethane	75-46-7	1.0	ND
1,2-Dichloroethane	107-06-2	1.0	ND
1,1-Dichloroethene	75-35-4	1.0	ND
trans-1,2-Dichloroethene	156-60-5	1.0	ND
1,2-Dichloropropane	78-87-5	1.0	ND
cis-1,3-Dichloropropene	10061-01-5	1.0	ND
trans-1,3-Dichloropropene	10061-02-5	1.0	ND
Methylene chloride	75-09-2	1.0	ND
1,1,2,2-Tetrachloroethane	79-34-5	1.0	ND
Tetrachloroethene	127-18-4	1.0	ND
1,1,1-Trichloroethane	71-55-6	1.0	ND
1,1,2-Trichloroethane	79-00-5	1.0	ND
Trichloroethene	79-01-6	1.0	ND
Trichlorofluoromethane	75-69-4	1.0	ND
Vinyl chloride	75-01-4	1.0	ND
Benzene	71-43-2	1.0	ND
Toluene	108-88-3	1.0	ND
Ethyl Benzene	100-41-4	1.0	ND
Xylenes (Total)	-	1.0	ND

1 D-T
NYTEST ENVIRONMENTAL INC.

TCL PESTICIDE/PCB ORGANICS ANALYSIS DATA SHEET

SAMPLE MATRIX: SOIL SAMPLE ID: B-3(4-6)
CONC. LEVEL: LOW LAB SAMPLE ID: 9225005
EXTRACTION DATE: 8/03/91 DIL FACTOR: 1.00
ANALYSIS DATE: 8/08/91 % MOISTURE: 15

CHPD #	CAS Number	PESTICIDE/PCB COMPOUND	UG/KG (DRY BASIS)
1	319-84-6	Alpha-BHC	NA
2	319-85-7	Beta-BHC	NA
3	319-86-8	Delta-BHC	NA
4	58-89-9	Gamma-BHC(Lindane)	NA
5	76-44-8	Heptachlor	NA
6	309-00-2	Aldrin	NA
7	1024-57-3	Heptachlor Epoxide	NA
8	959-98-8	Endosulfan I	NA
9	60-57-1	Dieldrin	NA
10	72-55-9	4,4'-DDE	NA
11	70-20-8	Endrin	NA
12	33213-65-9	Endosulfan II	NA
13	72-54-8	4,4'-DDD	NA
14	1031-07-8	Endosulfan Sulfate	NA
15	50-29-3	4,4'-DDT	NA
16	53494-70-5	Endrin Ketone	NA
17	72-43-5	Methoxychlor	NA
18	57-74-9	Chlordane	NA
19	8001-35-2	Toxaphene	NA
20	12674-11-2	Aroclor-1016	90.000 U.
21	11104-28-2	Aroclor-1221	90.000 U.
22	11141-16-5	Aroclor-1232	90.000 U.
23	53469-21-9	Aroclor-1242	90.000 U.
24	12672-29-6	Aroclor-1248	90.000 U.
25	11097-69-1	Aroclor-1254	190.000 U.
26	11096-82-5	Aroclor-1260	190.000 U.

00037

Chromatogram

Sample Name : 9225-005

FileName : c:\2700\data2\PA07012.raw

Start Time : 0.00 min

Scale Factor: 1

End Time : 38.00 min

Plot Offset: -287 mV

Sample #: 83

Date : 8/6/91 10:09 PM

Low Point : -296.98 mV

Plot Scale: 6304 mV

Page 1 of 1

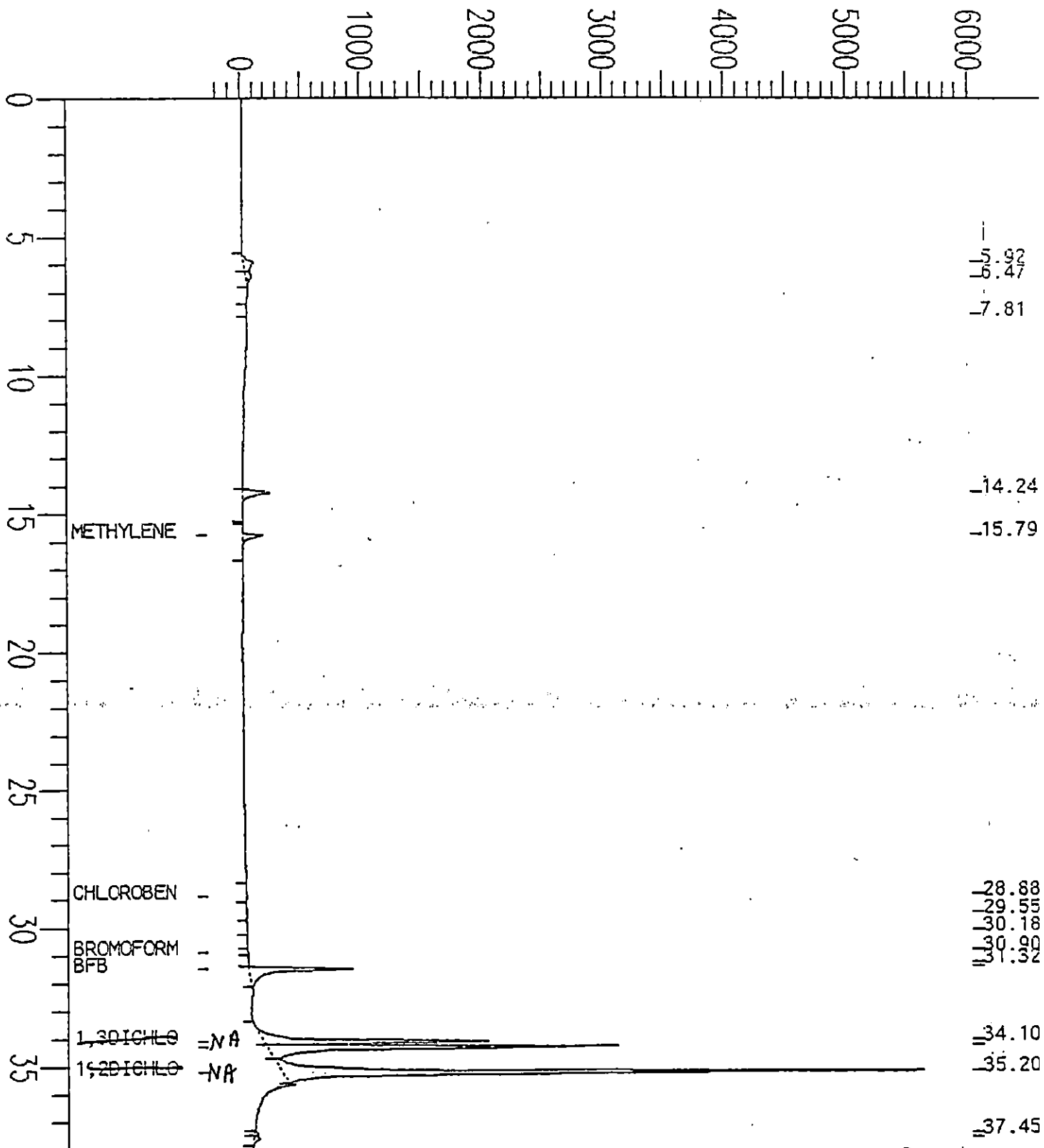
High Point : 6017.02

CA. Rich 8/1/91

A

Response [mV]

Retention Time [min]



00038

Chromatogram

Sample Name : 9225-005

FileName : C:\2700\DATA\QAD7012.RAW

Start Time : 0.00 min

Scale Factor: 1

End Time : 33.00 min

Plot Offset: 7 mV

Sample #: 6-3

Date : 8/15/91 04:33 PM

Low Point : 6.80 mV

Plot Scale: 9 mV

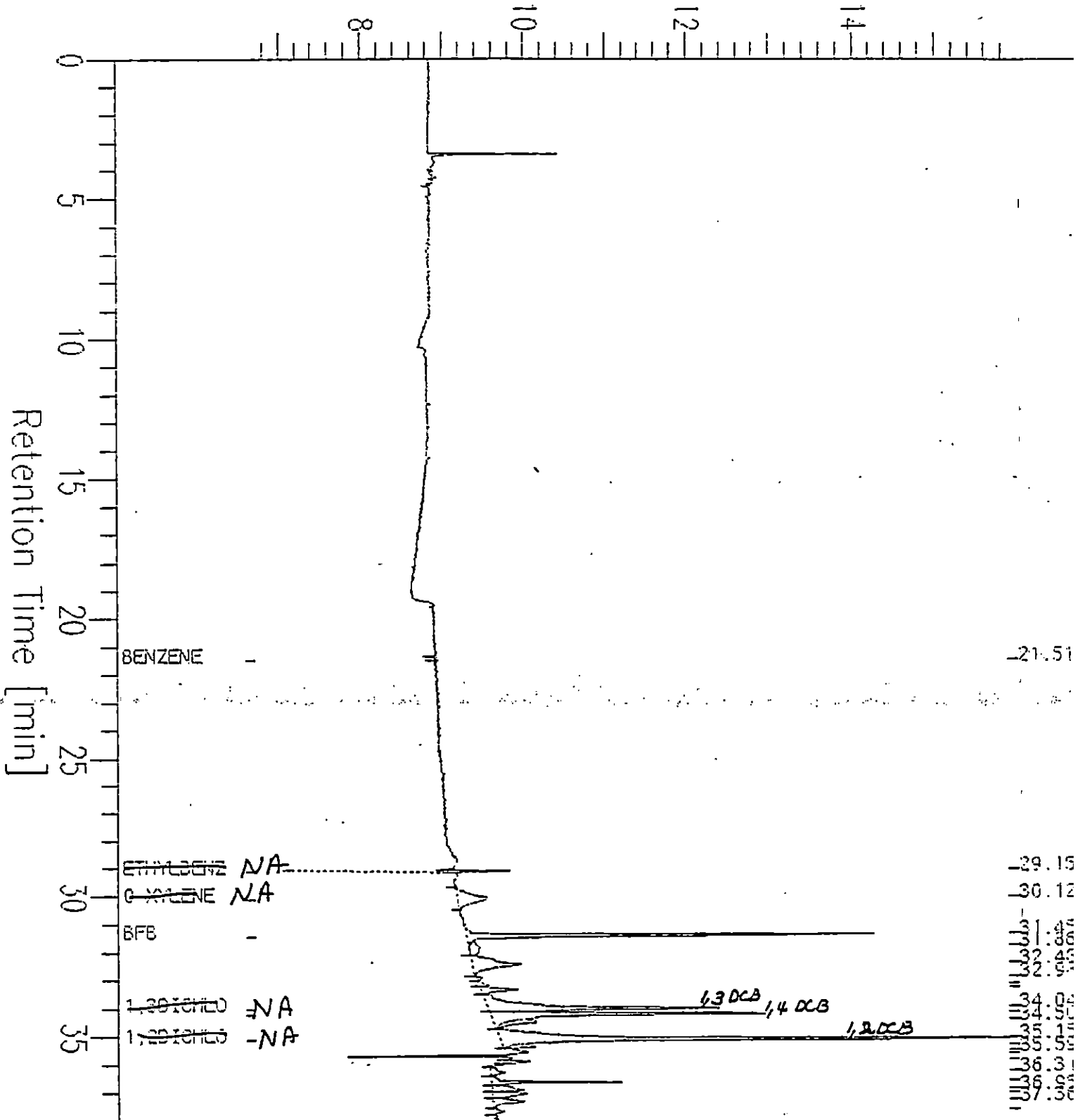
Page 1 of 1

High Point : 13.80 mV

C.A. Pich 8/1/91

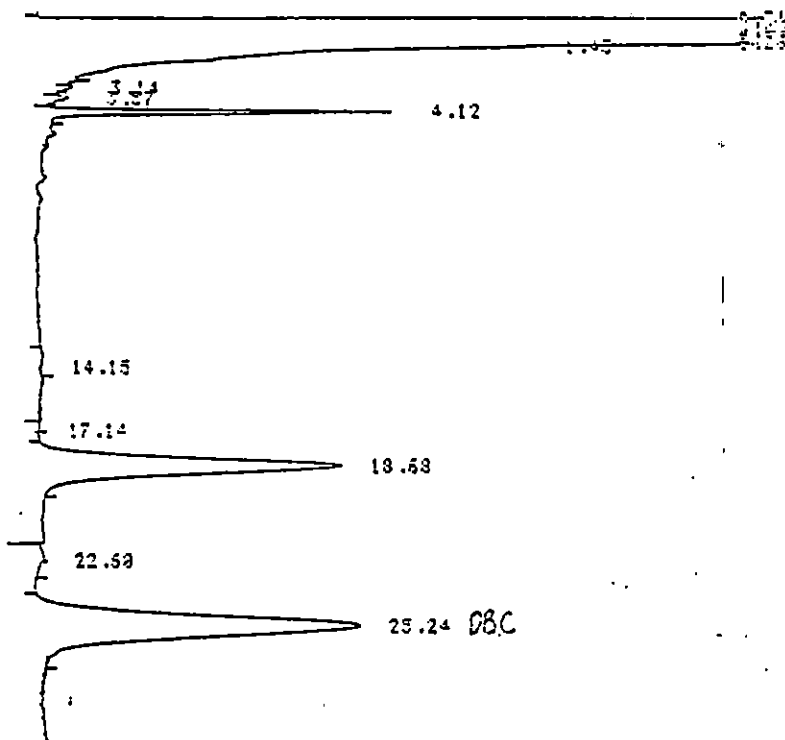
B

Response [mV]



00039

2nd Run Ln. 9225-05 8-3 (4-C) 3/1 → 3/3 30/1
 CH. 2 C.S 5.00 ATT 1 OFF5 5 03/05/91 12:03



TEMP: 150 200 C
 1.5%SP2250/1.95%SP2401
 6FT/4MM ID ECD
 TRACOR 222 R 2
 METH'S 608 /5098 /8290 /8150

D-2000

03/08/91 12:03

SAMPLE: PCB

TAB: 353 CH: 2

FILE: 2 CALC-METHOD: AREA% TABLE: 0 CONC: AREA

NO.	RT	AREA	HEIGHT	RRT	QC	NAME
1	0.31	235148	16381	0.31	BU	
2	0.41	15145	1173	0.41	T89	
3	0.72	85919	11863	0.72	UU	
4	0.86	36418	6230	0.86	UU	
5	1.28	17714	1936	1.28	UU	
6	1.43	28472	1199	1.43	U9	
9	4.12	9384	854	4.12	98	
12	18.68	33937	772	18.68	88	
13	22.60	2941	52	22.60	92	
14	25.24	49229	929	25.24	53	

TOTAL 625307 41339

PEAK REJ : 999

RAW DATA STORAGE NO. 53

00040

VOLATILE ORGANICS: METHOD 601/602

Sample ID: VBLK1
Lab Sample ID No.: VBLK1
Sample Size: 5mL
Log in No.: 9225

Parameter(s)	Cas #	MDL (ug/l)	Found (ug/l)
Bromodichloromethane	75-27-4	1.0	ND
Bromoform	75-25-2	1.0	ND
Bromomethane	74-83-9	1.0	ND
Carbon Tetrachloride	56-23-5	1.0	ND
Chlorobenzene	108-90-7	1.0	ND
Chloroethane	75-00-3	1.0	ND
2-Chloroethylvinyl ether	100-75-8	1.0	ND
Chloroform	67-66-3	1.0	ND
Chloromethane	74-87-3	1.0	ND
Dibromochloromethane	124-48-1	1.0	ND
1,2-Dichlorobenzene	95-50-1	1.0	ND
1,3-Dichlorobenzene	541-73-1	1.0	ND
1,4-Dichlorobenzene	106-46-7	1.0	ND
1,1-Dichloroethane	75-46-7	1.0	ND
1,2-Dichloroethane	107-06-2	1.0	ND
1,1-Dichloroethene	75-35-4	1.0	ND
trans-1,2-Dichloroethene	156-60-5	1.0	ND
1,2-Dichloropropane	78-87-5	1.0	ND
cis-1,3-Dichloropropene	10061-01-5	1.0	ND
trans-1,3-Dichloropropene	10061-02-5	1.0	ND
Methylene chloride	75-09-2	1.0	ND
1,1,2,2-Tetrachloroethane	79-34-5	1.0	ND
Tetrachloroethene	127-18-4	1.0	ND
1,1,1-Trichloroethane	71-55-6	1.0	ND
1,1,2-Trichloroethane	79-00-5	1.0	ND
Trichloroethene	79-01-6	1.0	ND
Trichlorofluoromethane	75-69-4	1.0	ND
Vinyl chloride	75-01-4	1.0	ND
Benzene	71-43-2	1.0	ND
Toluene	108-88-3	1.0	ND
Ethyl Benzene	100-41-4	1.0	ND
Xylenes (Total)	-	1.0	ND

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VOLATILE ORGANICS: METHOD 601/602

Sample ID: VBLK2
 Lab Sample ID No.: VBLK2
 Sample Size: 5g

Log in No.: 9225

Parameter(s)	Cas #	MDL (ug/kg)	Found (ug/kg)
Bromodichloromethane	75-27-4	1.0	ND
Bromoform	75-25-2	1.0	ND
Bromomethane	74-83-9	1.0	ND
Carbon Tetrachloride	56-23-5	1.0	ND
Chlorobenzene	108-90-7	1.0	ND
Chloroethane	75-00-3	1.0	ND
2-Chloroethylvinyl ether	100-75-8	1.0	ND
Chloroform	67-66-3	1.0	ND
Chloromethane	74-87-3	1.0	ND
Dibromochloromethane	124-48-1	1.0	ND
1,2-Dichlorobenzene	95-50-1	1.0	ND
1,3-Dichlorobenzene	541-73-1	1.0	ND
1,4-Dichlorobenzene	106-46-7	1.0	ND
1,1-Dichloroethane	75-46-7	1.0	ND
1,2-Dichloroethane	107-06-2	1.0	ND
1,1-Dichloroethene	75-35-4	1.0	ND
trans-1,2-Dichloroethene	156-60-5	1.0	ND
1,2-Dichloropropane	78-87-5	1.0	ND
cis-1,3-Dichloropropene	10061-01-5	1.0	ND
trans-1,3-Dichloropropene	10061-02-5	1.0	ND
Methylene Chloride	75-09-2	1.0	ND
1,1,2,2-Tetrachloroethane	79-34-5	1.0	ND
Tetrachloroethene	127-18-4	1.0	ND
1,1,1-Trichloroethane	71-55-6	1.0	ND
1,1,2-Trichloroethane	79-00-5	1.0	ND
Trichloroethene	79-01-6	1.0	ND
Trichlorofluoromethane	75-69-4	1.0	ND
Vinyl Chloride	75-01-4	1.0	ND
Benzene	71-43-2	1.0	ND
Toluene	108-88-3	1.0	ND
Ethyl Benzene	100-41-4	1.0	ND
Xylenes (Total)	-	1.0	ND

00041

1 D-T
NYTEST ENVIRONMENTAL INC.

TCL PESTICIDE/PCB ORGANICS ANALYSIS DATA SHEET

SAMPLE MATRIX: WATER SAMPLE ID: PBLK1
CONC. LEVEL: LOW LAB SAMPLE ID: PBLK1
EXTRACTION DATE: 8/05/91 DIL FACTOR: 1.00
ANALYSIS DATE: 8/08/91 % MOISTURE:NA

UG/L

CPMD #	CAS Number	PESTICIDE/PCB COMPOUND	
1	319-84-6	Alpha-BHC	NA
2	319-85-7	Beta-BHC	NA
3	319-86-8	Delta-BHC	NA
4	58-89-9	Gamma-BHC(Lindane)	NA
5	76-44-8	Heptachlor	NA
6	309-00-2	Aldrin	NA
7	1024-57-3	Heptachlor Epoxide	NA
8	959-98-8	Endosulfan I	NA
9	60-57-1	Dieldrin	NA
10	72-55-9	4,4'-DDE	NA
11	70-20-8	Endrin	NA
12	33213-65-9	Endosulfan II	NA
13	72-54-8	4,4'-DDD	NA
14	1031-07-8	Endosulfan Sulfate	NA
15	50-29-3	4,4'-DDT	NA
16	53494-70-5	Endrin Ketone	NA
17	72-43-5	Methoxychlor	NA
18	57-74-9	Chlordane	NA
19	8001-35-2	Toxaphene	NA
20	12674-11-2	Aroclor-1016	0.500 U.
21	11104-28-2	Aroclor-1221	0.500 U.
22	11141-16-5	Aroclor-1232	0.500 U.
23	53469-21-9	Aroclor-1242	0.500 U.
24	12672-29-6	Aroclor-1248	0.500 U.
25	11097-69-1	Aroclor-1254	1.000 U.
26	11096-82-5	Aroclor-1260	1.000 U.

00042

1 D-T

NYTEST ENVIRONMENTAL INC.

TCL PESTICIDE/PCB ORGANICS ANALYSIS DATA SHEET

SAMPLE MATRIX: SOIL	SAMPLE ID: PBLK2
CONC. LEVEL: LOW	LAB SAMPLE ID: PBLK2
EXTRACTION DATE: 8/03/91	DIL FACTOR: 1.00
ANALYSIS DATE: 8/08/91	% MOISTURE: NA

CMPD #	CAS Number	PESTICIDE/PCB COMPOUND	UG/KG (DRY BASIS)
1	319-84-6	Alpha-BHC	NA
2	319-85-7	Beta-BHC	NA
3	319-86-8	Delta-BHC	NA
4	58-89-9	Gamma-BHC(Lindane)	NA
5	76-44-8	Heptachlor	NA
6	309-00-2	Aldrin	NA
7	1024-57-3	Heptachlor Epoxide	NA
8	959-98-8	Endosulfan I	NA
9	60-57-1	Dieldrin	NA
10	72-55-9	4,4'-DDE	NA
11	70-20-8	Endrin	NA
12	33213-65-9	Endosulfan II	NA
13	72-54-8	4,4'-DDD	NA
14	1031-07-8	Endosulfan Sulfate	NA
15	50-29-3	4,4'-DDT	NA
16	53494-70-5	Endrin Ketone	NA
17	72-43-5	Methoxychlor	NA
18	57-74-9	Chlordane	NA
19	8001-35-2	Toxaphene	NA
20	12674-11-2	Aroclor-1016	80.000 U.
21	11104-28-2	Aroclor-1221	80.000 U.
22	11141-16-5	Aroclor-1232	80.000 U.
23	53469-21-9	Aroclor-1242	80.000 U.
24	12672-29-6	Aroclor-1248	80.000 U.
25	11097-69-1	Aroclor-1254	160.000 U.
26	11096-82-5	Aroclor-1260	160.000 U.

00043

2 D
 NYTEST ENVIRONMENTAL INC.
 PESTICIDE SURROGATE RECOVERY

LOG IN #: 9225 PAGE #: 1

MATRIX: WATER

|<<<PESTICIDE>>>|

	SAMPLE #	DBC	PEST OUT
	=====	=====	=====
01	PBLK1	245 OK	0
02	HP-1	126 OK	0
03	HP-2	51 OK	0
04			
05			
06			
07			
08			
09			
10			
11			
12			
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14			
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17			
18			
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23			
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29			
30			

LIMITS
 DBC 5 - 285

* SURROGATES OUTSIDE QC LIMITS

00044

3 A
NYTEST ENVIRONMENTAL INC.

VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

LOGIN #:

9225

MATRIX: WATER

PAGE:

1

FRACTION	COMPOUND	CONC. SPIKE ADDED (ug)	SAMPLE RESULT	CONC. MS	% RECOVERY	CONC. MSD	% RECOVERY	RPD	QC LIMITS	
									RPD	RECOVERY
SAMPLE # HP-1 NYTEST # 9225001	1,1-DICHLOROETHENE	50	0.00	43.00	86.00 OK	42.00	84.00 OK	2.35 OK	16	40 -150
	TRICHLOROETHENE	50	0.00	46.00	92.00 OK	47.00	94.00 OK	2.15 OK	38	45 -130
	BENZENE	50	0.00	45.00	90.00 OK	46.00	92.00 OK	2.20 OK	16	15 -180
	TOLUENE	50	0.00	43.00	86.00 OK	43.00	86.00 OK	0.00 OK	23	55 -135
	CHLOROBENZENE	50	0.00	42.00	84.00 OK	45.00	90.00 OK	6.90 OK	32	60 -125

OF % MS/MSD 0 OF 10
VOA OUT: —

OF RPD 0 OF 5
VOA OUT: —

00046

3 A
NYTEST ENVIRONMENTAL INC.

VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

LOGIN #: 9225

MATRIX: SOIL

PAGE: 1

FRACTION	COMPOUND	CONC. SPIKE ADDED (ug)	SAMPLE RESULT	CONC. MS	% RECOVERY	CONC. MSD	% RECOVERY	RPD	QC LIMITS	
									RPD	RECOVERY
SAMPLE # B-11(9-11) NYTEST # 9321002	1,1-DICHLOROETHENE	50	0.00	49.00	98.00 OK	48.00	96.00 OK	2.06 OK	16	15 -160
	TRICHLOROETHENE	50	0.00	46.00	92.00 OK	47.00	94.00 OK	2.15 OK	40	50 -115
	BENZENE	50	0.00	41.00	82.00 OK	43.00	86.00 OK	4.76 OK	18	60 -125
	TOLUENE	50	0.00	43.00	86.00 OK	45.00	90.00 OK	4.55 OK	17	25 -175
	CHLOROBENZENE	50	0.00	47.00	94.00 OK	49.00	98.00 OK	4.17 OK	15	45 -135

OF % MS/MSD 0 OF 10
VOA OUT: —

OF RPD 0 OF 5
VOA OUT: —

00047

3 D

NYTEST ENVIRONMENTAL INC.

PESTICIDE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

LOGIN #:

9225

MATRIX: WATER

PAGE:

1

FRACTION	COMPOUND	CONC. SPIKE ADDED (ug)	SAMPLE RESULT	CONC. MS	% RECOVERY	CONC. MSD	% RECOVERY	RPD	QC LIMITS	
									RPD	RECOVERY
SAMPLE # SPS-1 NYTEST # 9002001	LINDANE	0.20	0.00	0.20	102.00 OK	0.23	112.50 OK	9.79 OK	18	10 -265
	HEPTACHLOR	0.20	0.00	0.21	102.50 OK	0.19	95.50 OK	7.07 OK	22	10 -230
	ALDRIN	0.20	0.00	0.21	102.50 OK	0.21	104.50 OK	1.93 OK	23	10 -240
	DIELDRIN	0.50	0.00	0.61	121.80 OK	0.61	122.00 OK	0.16 OK	14	10 -235
	ENDRIN	0.50	0.00	0.68	135.40 OK	0.68	135.40 OK	0.00 OK	16	10 -250
	4,4- DDT	0.50	0.00	0.51	102.60 OK	0.55	110.80 OK	7.69 OK	23	10 -300

OF % MS/MSD 0 OF 12

PEST OUT: _____

OF RPD 0 OF 6

PEST OUT: _____

00048

3 D
NYTEST ENVIRONMENTAL INC.

PESTICIDE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

LOGIN #: 9225 MATRIX: SOIL PAGE: 1

FRACTION	COMPOUND	CONC. SPIKE	SAMPLE	CONC.	%	CONC.	%	RPD	QC LIMITS	
		ADDED (ug)	RESULT	MS	RECOVERY	MSD	RECOVERY		RPD	RECOVERY
SAMPLE # B4B NYTEST # 8679004	LINDANE	29.00	0.00	25.90	89.31 OK	23.90	82.41 OK	8.03 OK	23	10 -230
	HEPTACHLOR	29.00	0.00	29.60	102.07 OK	29.10	100.34 OK	1.70 OK	27	10 -245
	ALDRIN	29.00	0.00	31.10	107.24 OK	30.70	105.86 OK	1.29 OK	25	10 -265
	DIELDRIN	72.50	0.00	74.10	102.21 OK	68.50	94.48 OK	7.85 OK	28	10 -195
	ENDRIN	72.50	0.00	66.50	91.72 OK	59.40	81.93 OK	11.28 OK	23	10 -185
	4,4- DDT	72.50	0.00	58.50	80.69 OK	54.80	75.59 OK	6.53 OK	21	10 -300

OF % MS/MSD 0 OF 12
PEST OUT:

OF RPD 0 OF 6
PEST OUT:

00049