194995

ANALYTICAL DATA REPORT
PACKAGE FOR

S & D Environmental Services, Inc.

2 Gourmet Lane

Edison, NJ 08837

TOTAL ANALYTICAL SERVICES FOR A SAFE ENVIRONMENT

nytest environmental inc.

box 1518 ▫ 60 seaview blvd., port washington, ny 11050 ▫ (516) 625-5500 ▫ fax (516) 625-1274

TOTAL ANALYTICAL SERVICES FOR A SAFE ENVIRONMENT

nytest environmental inc.

Project No.: 9118044
Log in No. : 8644
P.O. No. : Pending
Date : July 8, 1991

ANALYTICAL DATA REPORT
PACKAGE FOR

S & D Environmental Services, Inc.

2 Gourmet Lane

Edison, NJ 08837

ATTN: Ed Twilley
REF: Ideal Cooperage Project #674

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.

RESPECTFULLY SUBMITTED,
NYTEST ENVIRONMENTAL INC.

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

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

NYTEST ENVIRONMENTAL Inc.

LABORATORY NUMBER	SAMPLE IDENTIFICATION	TYPE OF SAMPLE
8644001	674-DO1	Miscell.
8644002	674-DO2	Miscell.
8644003	674-DO3	Miscell.
8644004	674-DO4	Miscell.
8644005	674-DO5	Miscell.
8644006	674-DO6	Miscell.
8644007	674-DO7	Miscell.
8644008	674-DO8	Miscell.
8644009	674-DO9	Miscell.
8644010	674-D10	Miscell.
8644011	674-D11	Miscell.

Table of Contents

Log in No.: 8644

	Page
I. Sample Analysis Request Form	NA
II. Chain of Custody	1 - 3
III. Laboratory Deliverable Checklist	4
IV. Laboratory Chronicle	5
V. Non Conformance Summary (Case Narrative)	6
VI. Methodology Summary	7 - 10
VII. Data Reporting Qualifiers	11
VIII. Sample Results	12 - 191
IX. Quality Assurance Summary (Including Initial and Continuing Calibration Time and Date)	192 - 221

TOTAL ANALYTICAL SERVICES FOR A SAFE ENVIRONMENT

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. APRIL WALSH

REPORT TO: Client Name S+D ENVIRONMENTAL
Address 2 GOURMET LANE
EDISON NJ 08837
Phone 908 549-8778
Attn. ED TWILLEY

Project No. 674	Project Name IDEAL COOPERAGE	Date Shipped	Carrier
Sampler: (Signature) P.D.	Analytical Protocol TIER II	Air Bill No.	Cooler No.

Sample I.D.	Date/Time Sampled	Sample Description	No. Of Containers	ANALYSIS REQUESTED
674-D01	6/11/91	Liquid	2	VOA+15, BNA+25, PCB/Pest, TCL METALS,
674-D02		Liquid-Acid	2	REACT CN+SULFIDE, TCLP, TOC
674-D03		Liquid-Caustic	2	
674-D04		Solid - Acid	1	[redacted] SAME AS ABOVE EXCEPT NO TOC
674-D05		Solid - Caustic	1	SAME AS ABOVE EXCEPT NO TOC
674-D06		Solid	1	VOA+15, BNA+25, PCB/Pest,
674-D07		Solid	1	~~Total Metals~~ TCL Metals,
674-D08		Liquid	1	Reactive CN + SULFIDES, BTU,
674-D09		Solid	1	% ASH, Chlorine, Sulfur, Nitrogen
674-D10		Solid	1	TCLP
674-D11		Solid		

Relinquished by (Signature)	Date / Time	Rec'd. by (Signature)	Date / Time
Ed Twilley Print Name Ed Twilley	6/13 3:05	Thomas Rymanowski Print Name T. Rymanowski	6/13 3:05
Relinquished by (Signature) Thomas Rymanowski Print Name T. Rymanowski	6/13 6:10	Rec'd. by (Signature) Print Name	Date / Time
Relinquished by (Signature) Print Name	Date / Time	Received for Laboratory by (Signature) Robert Fletcher Print Name Robert Fletcher	6/14/91 8:30

Special Instructions/Comments Per Quote from John Gasparri 6/11/91
30 day Turnaround Required

00001

Client Retains Yellow Copy Only

CHAIN OF CUSTODY RECORD

ENVIRONMENTAL PROTECTION AGENCY - REGION II
ENVIRONMENTAL SERVICES DIVISION
EDISON, NEW JERSEY 08817

T2 04751

Name of Unit and Address:	S & D Environmental Services, Inc. - (908) 549-8778 2 Gourmet Lane Edison, NJ 08837

Sample Number	Number of Containers	Description of Samples: Ideal Cooperage Site, Jersey City, NJ
674-D01	2	x 32 oz. Liquid (pH 7) for the following analyses: VOA, BNA, PCB/Pest, Total Metals, TCLP, Reactive CN & Sulfides, and TOC
674-D02	2	x 32 oz. Liquid (CAUTION: PH 1-2) - Same analyses as above
674-D03	2	x 32 oz. Liquid (Caution: pH 14) - Same analyses as above
674-D04	1	x 32 oz. Solid (Caution: pH 1-2) for the following analyses: VOA, BNA, PCB/Pest, Total Metals, TCLP, Reactive CN & Sulfides (NO TOC)
674-D05	1	x 32 oz. Solid (Caution: pH 14) - Same analyses as Sample # 674-D04
674-D06	1	x 32 oz. Solid for the following analyses: VOA, BNA, PCB/Pest, Total Metals, TCLP, Reactive CN & Sulfides, Btu, Ash, Chlorine, Sulfur, Nitrogen

Person Assuming Responsibility for Sample:	Time	Date
PETER DiPASCA, JR., WESTON TAT II	1800	6-11-91

Sample Number	Relinquished By:	Received By:	Time	Date	Reason for Change of Custody
ALL	Peter DiPasca Jr.	Thomas O'Neill	0800	6/12/91	SHIP TO S&D OFFICES
ALL	Thomas O'Neill	Ed Trully	0930	6/12/91	Receipt at S&D
ALL	Robert Wells	Thomas Bonetti	3:10	6/13	
All	Thomas Bonetti	Robert Wells	3:20	6/13	

Page No. 00002

CHAIN OF CUSTODY RECORD

ENVIRONMENTAL PROTECTION AGENCY - REGION II
ENVIRONMENTAL SERVICES DIVISION
EDISON, NEW JERSEY 08817

T2 04752

Name of Unit and Address: S & D Environmental Services, Inc. - (908) 549-8778
2 Gourmet Lane
Edison, NJ 08837

Sample Number	Number of Containers	Description of Samples: Ideal Cooperage Site, Jersey City, NJ
674-D07	1	x 32 oz. Solid for the following analyses: VOA, BNA, PCB/Pest, Total Metals, TCLP, ReACTive CN & Sulfides, BTU, Ash, Chlorine, Sulfur, and Nitrogen]
674-D08	1	x 32 oz. Liquid - Same analyses as above
674-D09	1	x 32 oz. Solid - Same analyses as above
674-D10	1	x 32 oz. Solid - Same analyses as above
674-D11	1	x 32 oz. Solid - Same analyses as above

Person Assuming Responsibility for Sample: PETER DI PASCA JR., WESTON TAT II — Time: 1800 — Date: 6-11-91

Sample Number	Relinquished By:	Received By:	Time	Date	Reason for Change of Custody
ALL	Peter DiPasca Jr.	Thomas O'Neill	0800	6/12/91	SHIP TO S&D OFFICES
ALL	Thomas O'Neill	Ed Trilly	0930	6/12/91	Receipt at S+D
ALL	Robert Wells	Thomas [illegible]	3:10	6/13	
ALL	Thomas Pymarach	Robert [illegible]	830 6/14	6/14	

Page No. 00003

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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. #)	✓
II.	Chain of Custody	✓
III.	Summary Sheets Listing Analytical Results Including QA Data Information	✓
IV.	Laboratory Chronicle and Methodology Summary including Sampling Holding Time Check	✓
V.	Initial Calibration and Continuing Calibration (Time & Date Summary)	✓
VI.	Tune Summary (MS)	✓
VII.	Blanks (Method, Field, Trip)	✓
VIII.	Surrogate Recovery Summary	✓
IX.	Non-Conformance Summary	✓

DVS
Laboratory Manager

7/16/91
Date

Laboratory Chronicle

Client Name: S & D Environmental Services, Inc.

Log In No.: 8644

Date Received: 6/13/91

Sample ID: As per chain of custody

Organics Extraction:

1. Acids 6/18/91 TCLP - 6/19/91
2. Base/Neutrals 6/18/91 TCLP - 6/19/91
3. Pesticides/PCBs 6/18/91 TCLP - 6/19/91
4. Dioxin

Analysis:

1. Volatiles 6/19/91, 6/20/91 TCLP - 6/25/91
2. Acids 6/20/91, 6/21/91 TCLP - 6/21/91, 6/22/91
3. Base/Neutrals 6/20/91, 6/21/91 TCLP - 6/21/91, 6/22/91
4. Pesticides/PCBs 6/26/91 TCLP - 6/26/91, 6/27/91
5. Dioxin

Section Supervisor
Review & Approval DLG

Inorganics:

1. Metals 6/18/91, 7/1/91, 7/3/91 TCLP: 7/1/91
2. Cyanides
3. Phenols

Other Analysis:

Other Tests: 6/18/91, 6/19/91, 6/27/91, 6/29/91, 7/2/91

Section Supervisor
Review & Approval DLG

Quality Control Supervisor
Review & Approval DLG

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

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NON-CONFORMANCE SUMMARY
(Case Narrative)

Log in No.: 8644

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

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METHODOLOGY SUMMARY

AQUEOUS METHODOLOGIES:	REF 1	REF 2	REF 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

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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

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	160.2	
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.

nytest environmental inc.

REPORT OF ANALYSIS

Log In No.: 8644

We find as follows:

Results in ppm (as received):

Sample Identification		Parameter(s)		
		Reactivity to Cyanide	Reactivity to Sulfide	Total Organic Carbon
8644001	674-D01	<1	<1	10700
8644002	674-D02	<1	<1	690
8644003	674-D03	<1	<1	6570
8644004	674-D04	<1	<1	-
8644005	674-D05	<1	<1	-
Method Blank		NA	NA	<40.0

nytest environmental inc.

REPORT OF ANALYSIS

Log In No.: 8644

We find as follows:

Parameter(s)	Sample Identification			
	674-D06 (8644006)	674-D07 (8644007)	674-D08 (8644008)	674-D09 (8644009)
Heating Value, B.T.U.	7240	7090	74200	3840
Results in ppm (as received):				
Ash	25600	37200	74200	314000
Chlorine	426	648	80300	35400
Nitrogen	12400	9210	10700	3430
Reactivity to Cyanide	<1	<1	<1	<1
Reactivity to Sulfide	<1	<1	<1	<1
Sulfur	1110	6750	4830	10700

nytest environmental inc.

REPORT OF ANALYSIS

Log In No.: 8644

We find as follows:

Parameter(s)	Sample Identification		
	674-D10 (8644006)	674-D11 (8644007)	Method Blank
Heating Value, B.T.U.	5320	10400	NA
Results in ppm (as received):			
Ash	391000	90600	<1
Chlorine	33400	1200	<1
Nitrogen	6570	15300	<1
Reactivity to Cyanide	<1	<1	NA
Reactivity to Sulfide	<1	<1	NA
Sulfur	4780	56500 (1)	<1

1A-P

NYTEST ENVIRONMENTAL INC.

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE MATRIX: SOIL
CONC. LEVEL: MED
ANALYSIS DATE: 6/20/91

SAMPLE ID: 674-D01
LAB ID: 8644001
DIL FACTOR: 50.00
% MOISTURE: NA

CMPD #	CAS Number	VOLATILE COMPOUNDS	UG/KG
1	74-87-3	Chloromethane	63000.0 U.
2	74-83-9	Bromomethane	63000.0 U.
3	75-01-4	Vinyl Chloride	63000.0 U.
4	75-00-3	Chloroethane	63000.0 U.
5	75-09-2	Methylene Chloride	17000.0 JB
6	67-64-1	2-Propanone	63000.0 U.
7	75-15-0	Carbon disulfide	31000.0 U.
8	75-35-4	1,1-Dichloroethene	31000.0 U.
9	75-34-3	1,1-Dichloroethane	31000.0 U.
10	540-59-0	1,2-Dichloroethene (total)	31000.0 U.
11	67-66-3	Chloroform	31000.0 U.
12	107-06-2	1,2-Dichloroethane	31000.0 U.
13	78-93-3	2-Butanone	22000.0 J.
14	71-55-6	1,1,1-Trichloroethane	31000.0 U.
15	56-23-5	Carbon Tetrachloride	31000.0 U.
16	108-05-4	Vinyl Acetate	63000.0 U.
17	75-27-4	Bromodichloromethane	31000.0 U.
18	78-87-5	1,2-Dichloropropane	31000.0 U.
19	10061-01-5	cis-1,3-Dichloropropene	31000.0 U.
20	79-01-6	Trichloroethene	31000.0 U.
21	124-48-1	Dibromochloromethane	31000.0 U.
22	79-00-5	1,1,2-Trichloroethane	31000.0 U.
23	71-43-2	Benzene	31000.0 U.
24	10061-02-6	Trans-1,3-Dichloropropene	31000.0 U.
25	75-25-2	Bromoform	31000.0 U.
26	108-10-1	4-Methyl-2-Pentanone	11000.0 J.
27	591-78-6	2-Hexanone	63000.0 U.
28	127-18-4	Tetrachloroethene	31000.0 U.
29	79-34-5	1,1,2,2-Tetrachloroethane	31000.0 U.
30	108-88-3	Toluene	31000.0 U.
31	108-90-7	Chlorobenzene	31000.0 U.
32	100-41-4	Ethylbenzene	31000.0 U.
33	100-42-5	Styrene	31000.0 U.
34	1330-20-7	Xylene (total)	6600.0 J.
35	107-02-8	Acrolein	625000.0 U.
36	107-13-1	Acrylonitrile	625000.0 U.
37	110-75-8	2-Chloroethylvinylether	63000.0 U.
38		Dichlorodifluoromethane	63000.0 U.
39		Dichlorobenzene (total)	190000.0 U.
40			
41			

1B-P

NYTEST ENVIRONMENTAL INC.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE MATRIX: SOIL
CONC. LEVEL: MED
EXTRACTION DATE: 6/18/91
ANALYSIS DATE: 6/21/91

SAMPLE ID: 674-D01
LAB ID: 8644001
DIL FACTOR: 25.00
% MOISTURE: NA

CMPD #	CAS Number	BASE NEUTRAL COMPOUNDS	UG/KG
1	111-44-4	bis(2-Chloroethyl)ether	495000.0 U.
2	541-73-1	1,3-Dichlorobenzene	495000.0 U.
3	106-46-7	1,4-Dichlorobenzene	495000.0 U.
4	95-50-1	1,2-Dichlorobenzene	495000.0 U.
5	39638-32-9	bis(2-chloroisopropyl)ether	495000.0 U.
6	621-64-7	N-Nitroso-Di-n-Propylamine	495000.0 U.
7	67-72-1	Hexachloroethane	495000.0 U.
8	98-95-3	Nitrobenzene	495000.0 U.
9	78-59-1	Isophorone	495000.0 U.
10	111-91-1	bis(2-chloroethoxy)Methane	495000.0 U.
11	120-82-1	1,2,4-Trichlorobenzene	495000.0 U.
12	106-47-8	4-Chloroaniline	495000.0 U.
13	87-68-3	Hexachlorobutadiene	495000.0 U.
14	91-57-6	2-Methylnaphthalene	495000.0 U.
15	77-47-4	Hexachlorocyclopentadiene	495000.0 U.
16	91-58-7	2-Chloronaphthalene	495000.0 U.
17	88-74-4	2-Nitroaniline	2500000.0 U.
18	131-11-3	Dimethyl Phthalate	495000.0 U.
19	99-09-2	3-Nitroaniline	2500000.0 U.
20	132-64-9	Dibenzofuran	495000.0 U.
21	121-14-2	2,4-Dinitrotoluene	495000.0 U.
22	606-20-2	2,6-Dinitrotoluene	495000.0 U.
23	84-66-2	Diethylphthalate	495000.0 U.
24	7005-72-3	4-Chlorophenyl-phenylether	495000.0 U.
25	100-01-6	4-Nitroaniline	2500000.0 U.
26	86-30-6	N-Nitrosodiphenylamine	92000.0 J.
27	101-55-3	4-Bromophenyl-phenylether	495000.0 U.
28	118-74-1	Hexachlorobenzene	495000.0 U.
29	84-74-2	Di-n-Butylphthalate	495000.0 U.
30	85-68-7	Butylbenzylphthalate	495000.0 U.
31	91-94-1	3,3'-Dichlorobenzidine	1000000.0 U.
32	117-81-7	bis(2-Ethylhexyl)Phthalate	495000.0 U.
33	11784-0	Di-n-Octyl Phthalate	495000.0 U.
34	62-75-9	N-Nitrosodimethylamine	495000.0 U.
35	62-53-3	Aniline	495000.0 U.
36	92-87-5	Benzidine	4000000.0 U.
37		Dioxin (Screen)	ND
38			
39			
40			
41			

CMPD #	CAS Number	BASE NEUTRAL/PAH COMPOUNDS	UG/KG
42	91-20-3	Naphthalene	495000.0 U.
43	208-96-8	Acenaphthylene	495000.0 U.
44	83-32-9	Acenaphthene	495000.0 U.
45	86-73-7	Fluorene	495000.0 U.
46	85-01-8	Phenanthrene	495000.0 U.
47	120-12-7	Anthracene	495000.0 U.
48	206-44-0	Fluoranthene	495000.0 U.
49	129-00-0	Pyrene	495000.0 U.
50	56-55-3	Benzo(a)Anthracene	495000.0 U.
51	218-01-9	Chrysene	495000.0 U.
52	205-99-2	Benzo(b)Fluoranthene	495000.0 U.
53	207-08-9	Benzo(k)Fluoranthene	495000.0 U.
54	50-32-8	Benzo(a)Pyrene	495000.0 U.
55	193-39-5	Indeno(1,2,3-cd)Pyrene	495000.0 U.
56	53-70-3	Dibenz(a,h)Anthracene	495000.0 U.
57	191-24-2	Benzo(g,h,i)Perylene	495000.0 U.
58			
59			
60			
		ACID COMPOUNDS	
61	108-95-2	Phenol	495000.0 U.
62	95-57-8	2-Chlorophenol	495000.0 U.
63	100-51-6	Benzyl Alcohol	495000.0 U.
64	95-48-7	2-Methylphenol	495000.0 U.
65	106-44-5	4-Methylphenol	495000.0 U.
66	88-75-5	2-Nitrophenol	495000.0 U.
67	105-67-9	2,4-Dimethylphenol	495000.0 U.
68	65-85-0	Benzoic Acid	2500000.0 U.
69	120-83-2	2,4-Dichlorophenol	495000.0 U.
70	59-50-7	4-Chloro-3-Methylphenol	495000.0 U.
71	88-6-2	2,4,6-Trichlorophenol	495000.0 U.
72	95-95-4	2,4,5-Trichlorophenol	2500000.0 U.
73	51-28-5	2,4-Dinitrophenol	2500000.0 U.
74	100-02-7	4-Nitrophenol	2500000.0 U.
75	534-52-1	4,6-Dinitro-2-Methylphenol	2500000.0 U.
76	87-86-5	Pentachlorophenol	2500000.0 U.
77			
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1C

NYTEST ENVIRONMENTAL INC.

TENTATIVELY IDENTIFIED ORGANICS COMPOUND

SAMPLE ID: 674-D01

OF TIC FOUND: 0

LAB ID: 8644001

MATRIX: SOIL

FRACTION: VOA

CAS Number	Compound Name	RT	Estimated Concentration UG/KG
1	NO COMPOUNDS FOUND		
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1C

NYTEST ENVIRONMENTAL INC.

TENTATIVELY IDENTIFIED ORGANICS COMPOUND

SAMPLE ID: 674-D01

OF TIC FOUND: 0

LAB ID: 8644001

MATRIX: SOIL

FRACTION: BNA

CAS Number	Compound Name	RT	Estimated Concentration UG/KG
1	NO COMPOUNDS FOUND		
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1 D-T

NYTEST ENVIRONMENTAL INC.

TCL PESTICIDE/PCB ORGANICS ANALYSIS DATA SHEET

SAMPLE MATRIX:	SOIL	SAMPLE ID:	674-D01
CONC. LEVEL:	MED	LAB SAMPLE ID:	8644001
EXTRACTION DATE:	6/18/91	DIL FACTOR:	1.00
ANALYSIS DATE:	6/26/91	% MOISTURE:	NA

CMPD #	CAS Number	PESTICIDE/PCB COMPOUND	UG/KG
1	319-84-6	Alpha-BHC	120.000 U.
2	319-85-7	Beta-BHC	120.000 U.
3	319-86-8	Delta-BHC	120.000 U.
4	58-89-9	Gamma-BHC(Lindane)	120.000 U.
5	76-44-8	Heptachlor	120.000 U.
6	309-00-2	Aldrin	120.000 U.
7	1024-57-3	Heptachlor Epoxide	120.000 U.
8	959-98-8	Endosulfan I	120.000 U.
9	60-57-1	Dieldrin	240.000 U.
10	72-55-9	4,4'-DDE	240.000 U.
11	70-20-8	Endrin	240.000 U.
12	33213-65-9	Endosulfan II	240.000 U.
13	72-54-8	4,4-DDD	240.000 U.
14	1031-07-8	Endosulfan Sulfate	240.000 U.
15	50-29-3	4,4'-DDT	240.000 U.
16	53494-70-5	Endrin Ketone	240.000 U.
17	72-43-5	Methoxychlor	1200.000 U.
18	57-74-9	Chlordane	1200.000 U.
19	8001-35-2	Toxaphene	2400.000 U.
20	12674-11-2	Aroclor-1016	1200.000 U.
21	11104-28-2	Aroclor-1221	1200.000 U.
22	11141-16-5	Aroclor-1232	1200.000 U.
23	53469-21-9	Aroclor-1242	1200.000 U.
24	12672-29-6	Aroclor-1248	1200.000 U.
25	11097-69-1	Aroclor-1254	2400.000 U.
26	11096-82-5	Aroclor-1260	2400.000 U.

nytest environmental inc.

Sample Identification and Results

Log In No: 8644

Sample No: 674-D01
Lab Sample ID No: 8644001

Results in mg/kg:

TCL Metals	Found
Aluminum	38.6
Antimony	<5.0
Arsenic	<2.0
Barium	<10.0
Beryllium	<1.0
Cadmium	<1.0
Calcium	<50.0
Chromium	<5.0
Cobalt	<5.0
Copper	<5.0
Iron	3510.0
Lead	<5.0
Magnesium	11.4
Manganese	13.4
Mercury	<0.1
Nickel	<5.0
Potassium	<5.0
Selenium	<1.0
Silver	<5.0
Sodium	22.2
Thallium	<5.0
Vanadium	<1.0
Zinc	9.89

TCLP Results 2-J

Sample ID: 674-D01
Lab ID: 8644001

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
D018	Benzene	0.50	0.05	0.05
D006	Cadmium	1.0	0.1	ND
D019	Carbon tetrachloride	0.50	0.05	0.17
D020	Chlordane	0.03	0.003	ND
D021	Chlorobenzene	100.0	10	ND
D022	Chloroform	6.0	0.6	1.9
D007	Chromium	5.0	0.5	ND
D023	o-Cresol	200	20	ND
D024	m-Cresol	200	20	ND
D025	p-Cresol	200	20	ND
D026	Cresol	200	20	ND
D016	2,4-D	10.0	1	ND
D027	1,4-Dichlorobenzene	7.5	0.75	ND
D028	1,2-Dichloroethane	0.5	0.05	ND
D029	1,1-Dichloroethylene	0.7	0.07	ND
D030	2,4-Dinitrotoluene	0.13	0.013	ND
D012	Endrin	0.02	0.002	ND
D031	Heptachlor(and its hydroxide)	0.008	0.004	ND
D032	Hexachlorobenzene	0.13	0.013	ND
D033	Hexachloro-1,3-butadiene	0.5	0.05	ND
D034	Hexachloroethane	3.0	0.3	ND
D008	Lead	5.0	0.5	ND
D013	Lindane	0.4	0.04	ND
D009	Mercury	0.2	0.02	ND
D014	Methoxychlor	10.0	1	ND
D035	Methyl ethyl ketone	200.0	20	ND
D036	Nitrobenzene	2.0	0.2	ND
D037	Pentachlorophenol	100.0	10	ND
D038	Pyridine	5.0	0.5	ND
D010	Selenium	1.0	0.1	ND
D011	Silver	5.0	0.5	ND
D039	Tetrachloroethylene	0.7	0.07	ND
D015	Toxaphene	0.5	0.05	ND
D040	Trichloroethylene	0.5	0.05	ND
D041	2,4,5-Trichlorophenol	400.0	40	ND
D042	2,4,6-Trichlorophenol	2.0	0.2	ND
D017	2,4,5-TP (Silvex)	1.0	0.1	ND
D043	Vinyl chloride	0.20	0.02	ND
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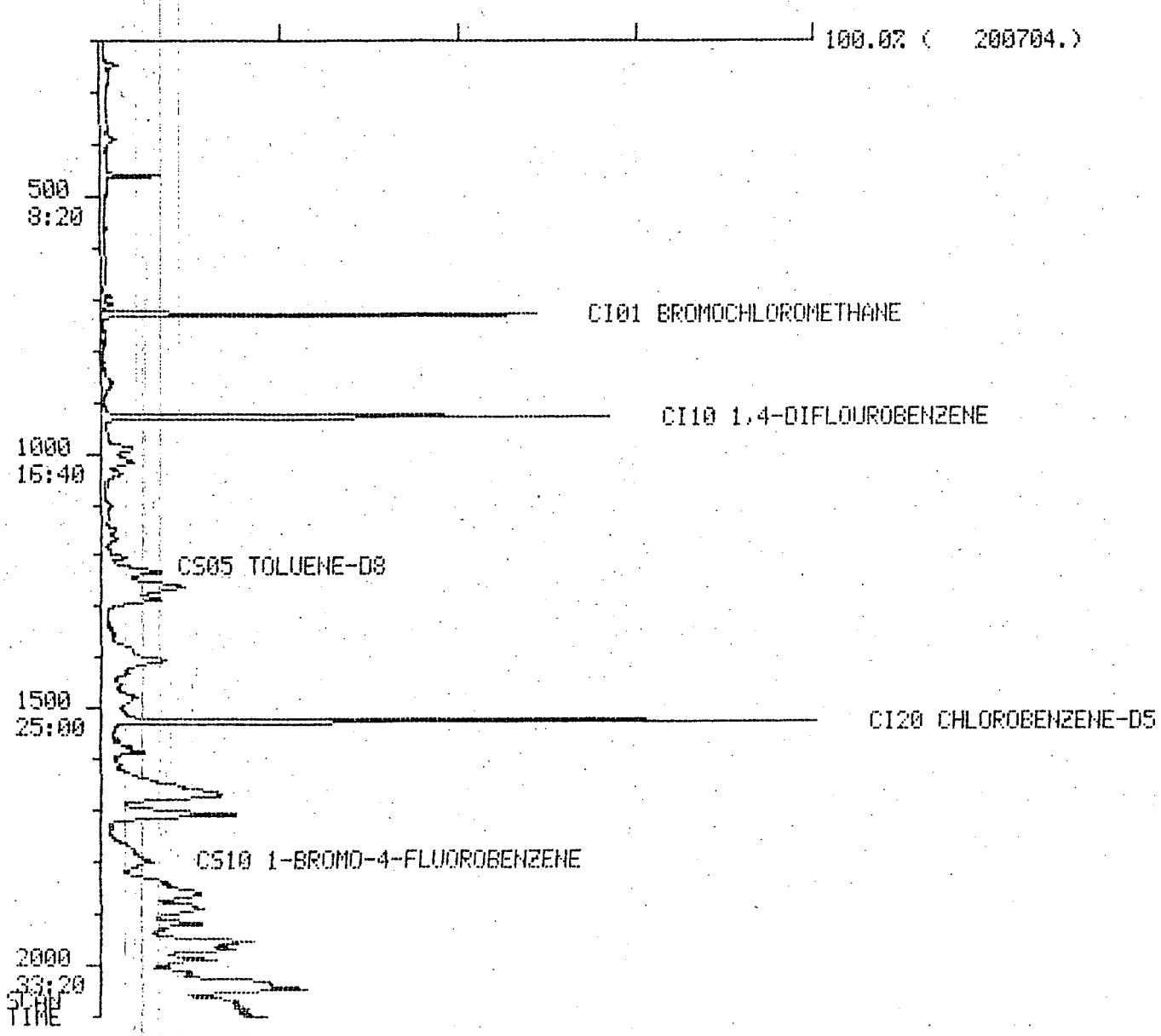
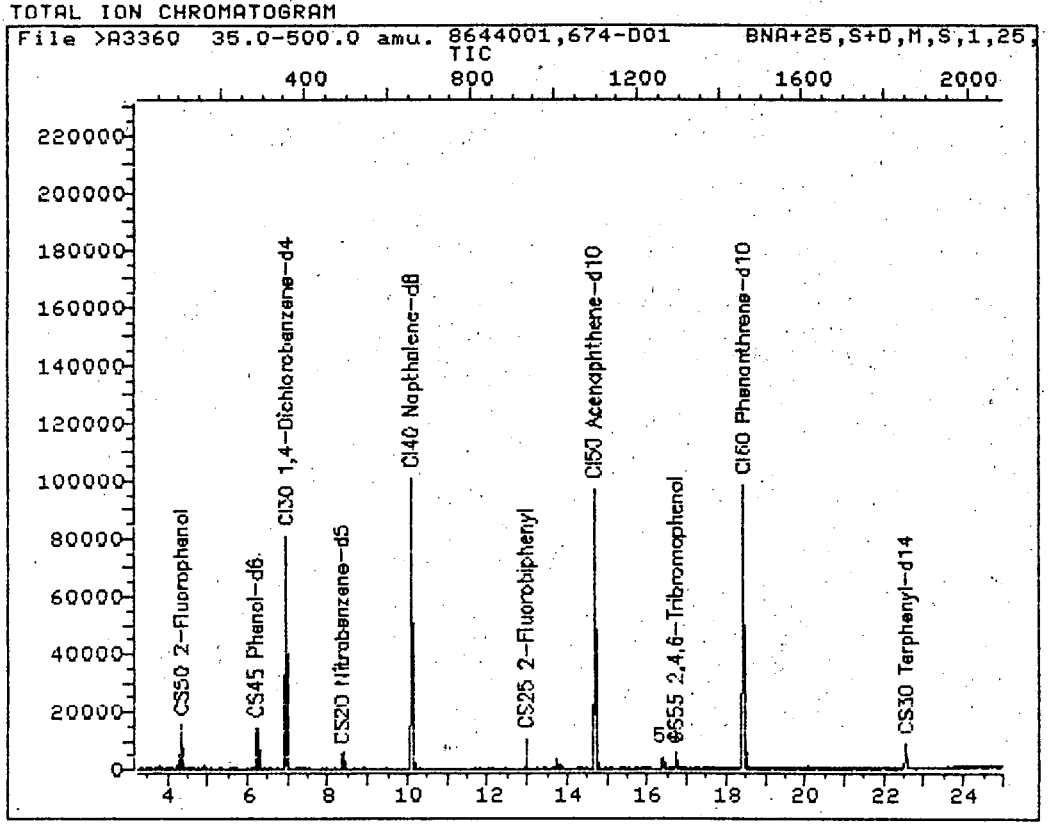
ND = None Detected

DATA FROM FILE: G2671 SCANS 200 TO 2100 ACQUIRED: 06/20/91 20:00:00
CALI: G2671 #2
SAMPLE: S&D ENVIRONMENTAL 8644001/674-D01, REC'D 6/13.91
CONDS.: 2UL(4G/10MLS)/5MLS,INST.G



00022

TOTAL ION CHROMATOGRAM



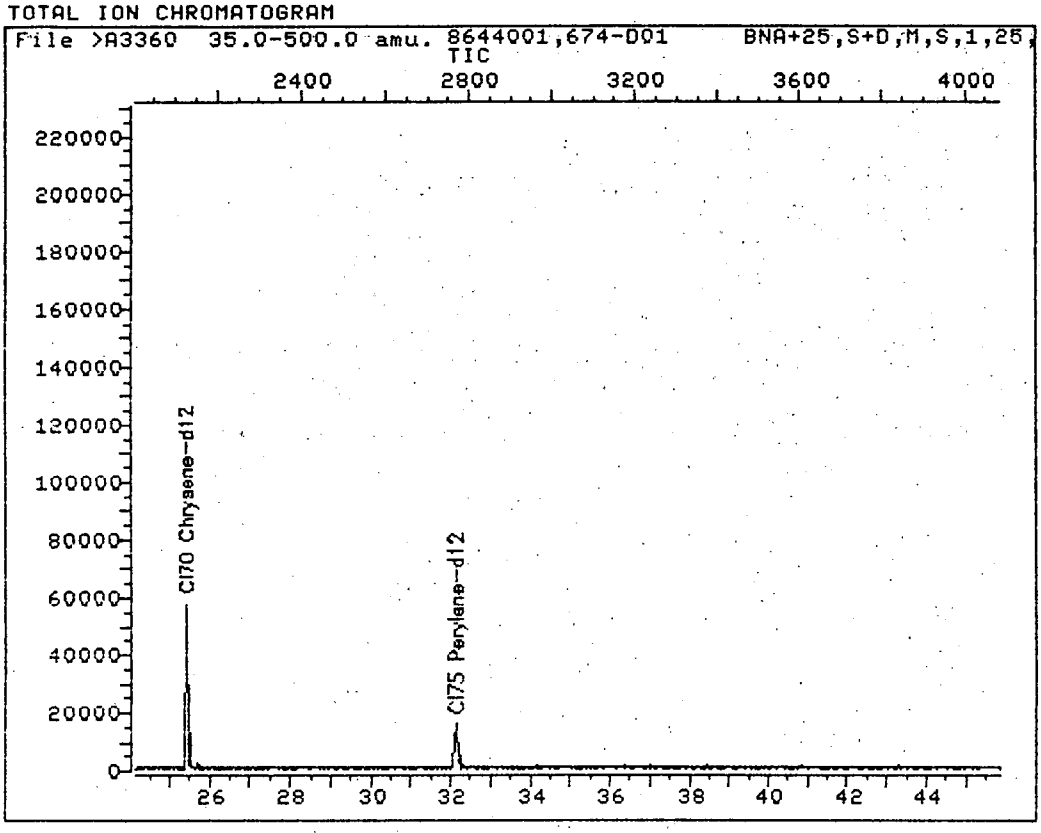
Data File: >A3360::D2 Quant Output File: ^A3360::QT
Name: 8644001,674-D01
Misc: BNA+25,S+D,M,S,1,25,D25,,R6/13,E6/18,INST:A BTL#45

Id File: CLPA1::SC
Title: ACID,BASE & NEUTRALS CLP COMPOUNDS
Last Calibration: 910621 09:14

Operator ID: NYTEST1
Quant Time: 910621 11:56
Injected at: 910621 11:06

TIC page 1 of 2

TOTAL ION CHROMATOGRAM



Data File: >A3360::D2 Quant Output File: ^A3360::QT
Name: 8644001,674-D01
Misc: BNA+25,S+D,M,S,1,25,D25,,R6/13,E6/18,INST:A BTL#45

Id File: CLPA1::SC
Title: ACID,BASE & NEUTRALS CLP COMPOUNDS
Last Calibration: 910621 09:14

Operator ID: NYTEST1
Quant Time: 910621 11:56
Injected at: 910621 11:06

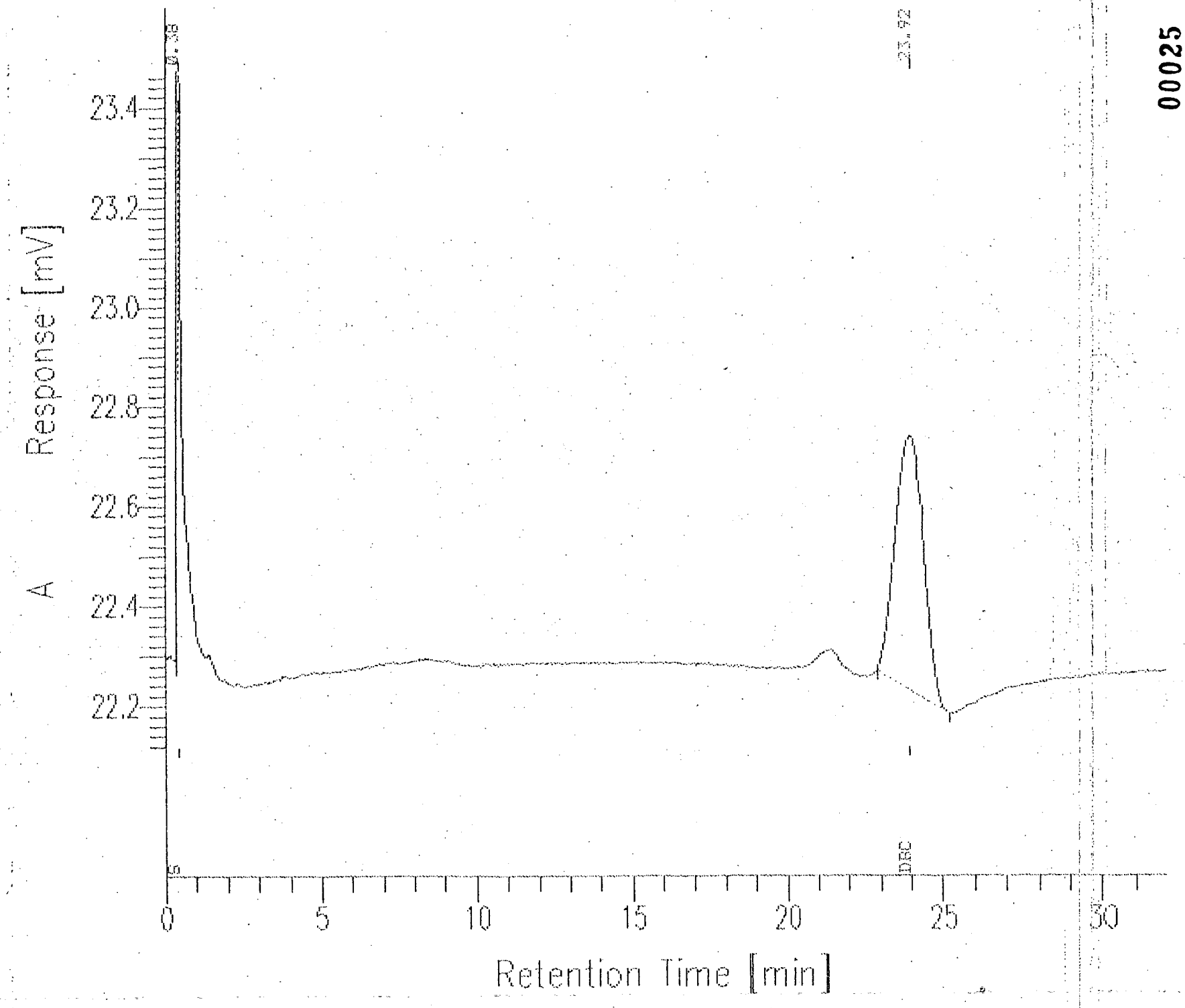
TIC page 2 of 2

STD Chromatogram N8644001 674-D01

FileName : C:\2700\DATA\Ub86g006.raw
Start Time : 0.00 min End Time : 32.00 min
Scale Factor: 1 Plot Offset: 22 mV

Date : 06/27/91 03:22 PM
Low Point : 22.12 mV High Point : 23.47 mV
Plot Scale: 1 mV

Page 1 of 1

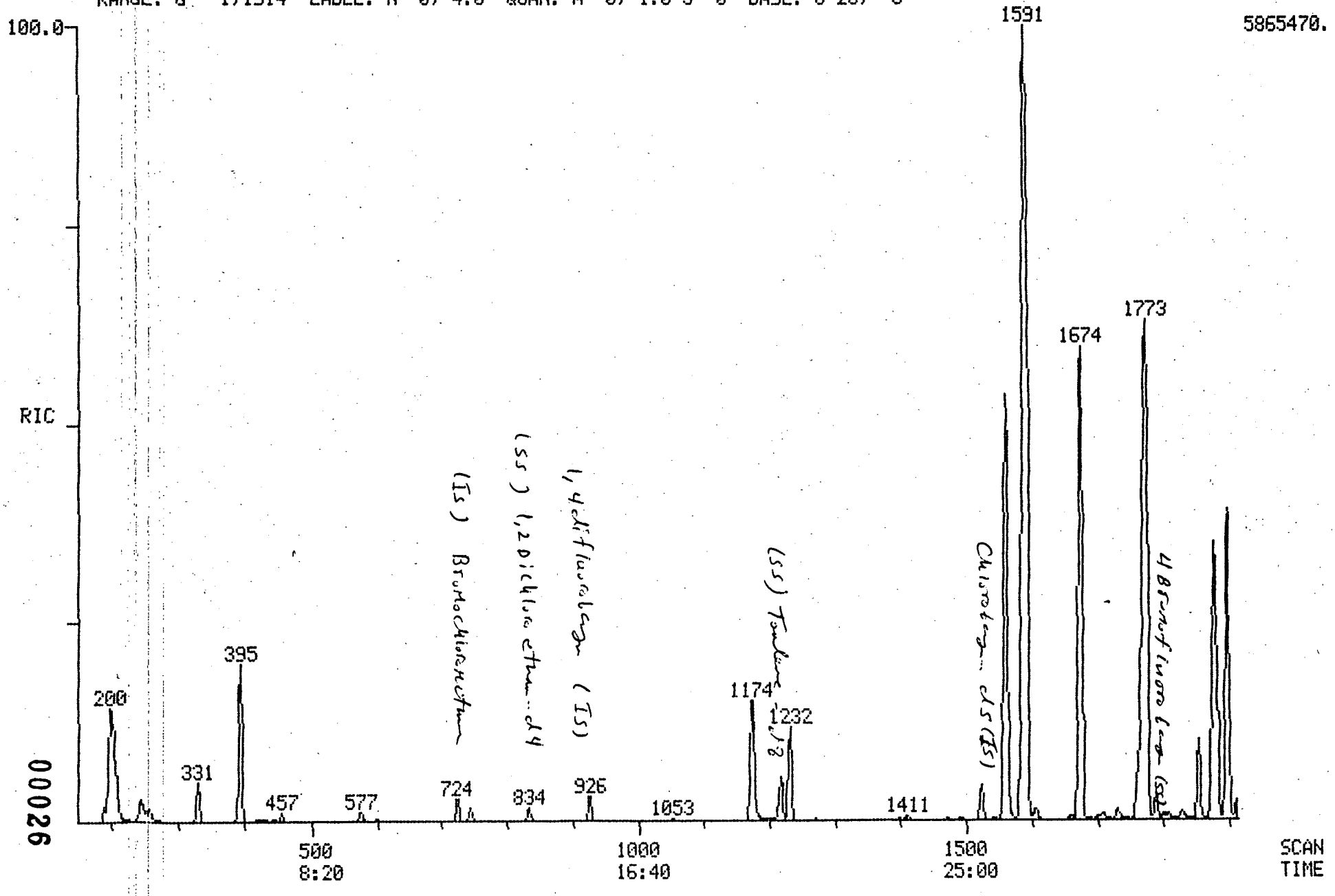


00025

RIC
06/25/91 11:21:00
SAMPLE: S&D ENV.,674-D01/8644001,REC'D 6/13/91
CONDS.: 50UL(5MLS),INST.G(TCLP)
RANGE: G 1,1914 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3

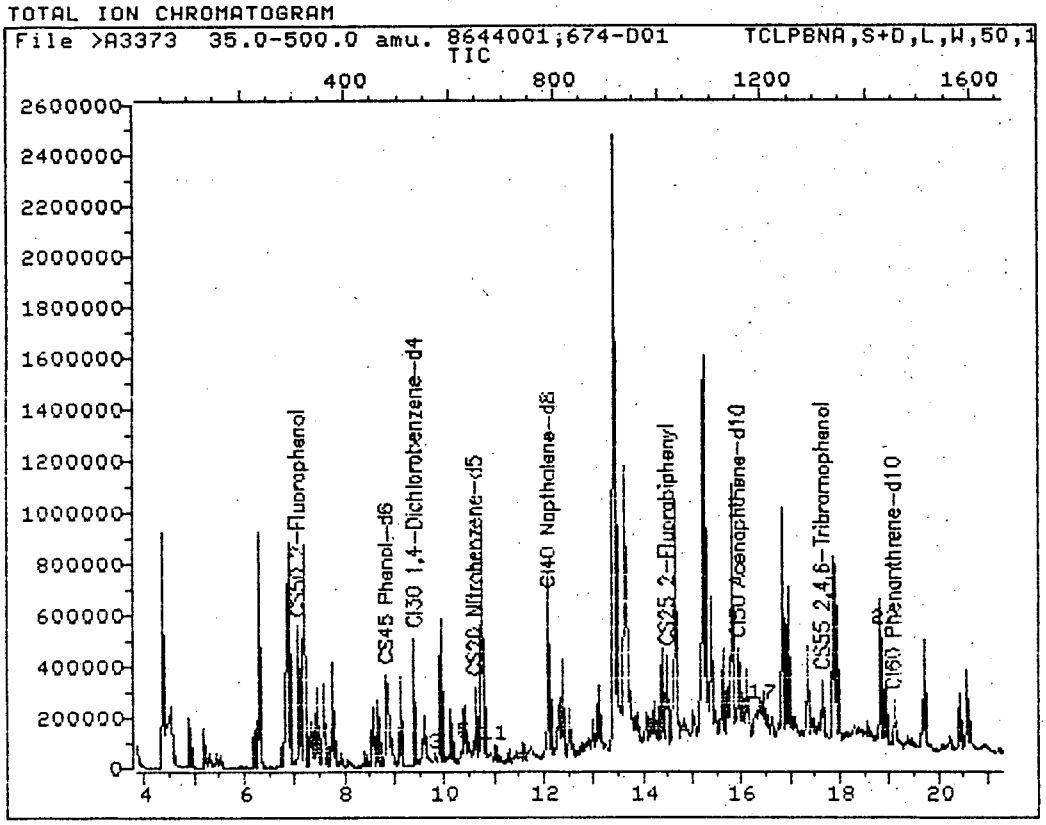
DATA: G2700 #1
CALI: G2700 #2

SCANS 150 TO 1914



92000

TOTAL ION CHROMATOGRAM



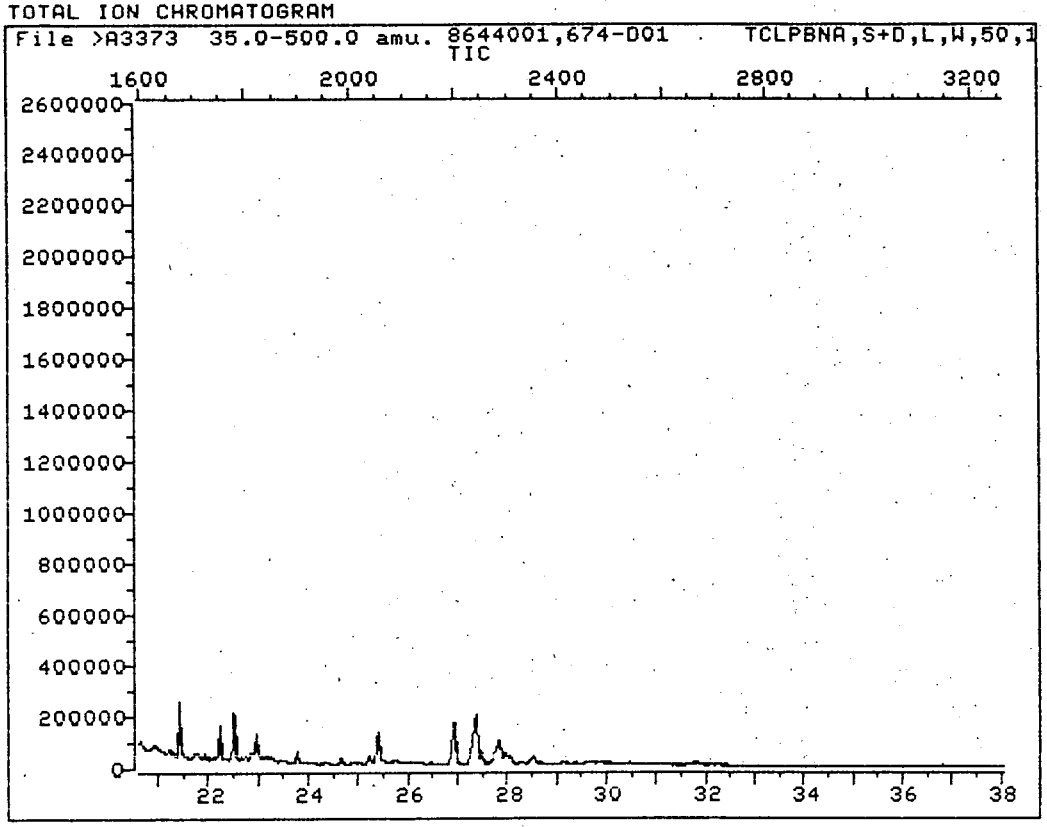
Data File: >A3373::D2 Quant Output File: ^A3373::QT
Name: 8644001,674-D01
Misc: TCLPBNA,S+D,L,W,50,1,,,R6/13,E6/19,INST:A,#1,(s+d) BTL#56

Id File: TCLPA::AQ
Title: ACID,BASE & NEUTRALS CLP COMPOUNDS
Last Calibration: 910624 07:29

Operator ID: NYTEST1
Quant Time: 910624 08:54
Injected at: 910621 21:11

TIC page 1 of 2

TOTAL ION CHROMATOGRAM



Data File: >A3373::D2 Quant Output File: ^A3373::QT
Name: 8644001,674-D01
Misc: TCLPBNA,S+D,L,W,50,1,,,R6/13,E6/19,INST:A,#1,(s+d) BTL#56

Id File: TCLPA::AQ
Title: ACID,BASE & NEUTRALS CLP COMPOUNDS
Last Calibration: 910624 07:29

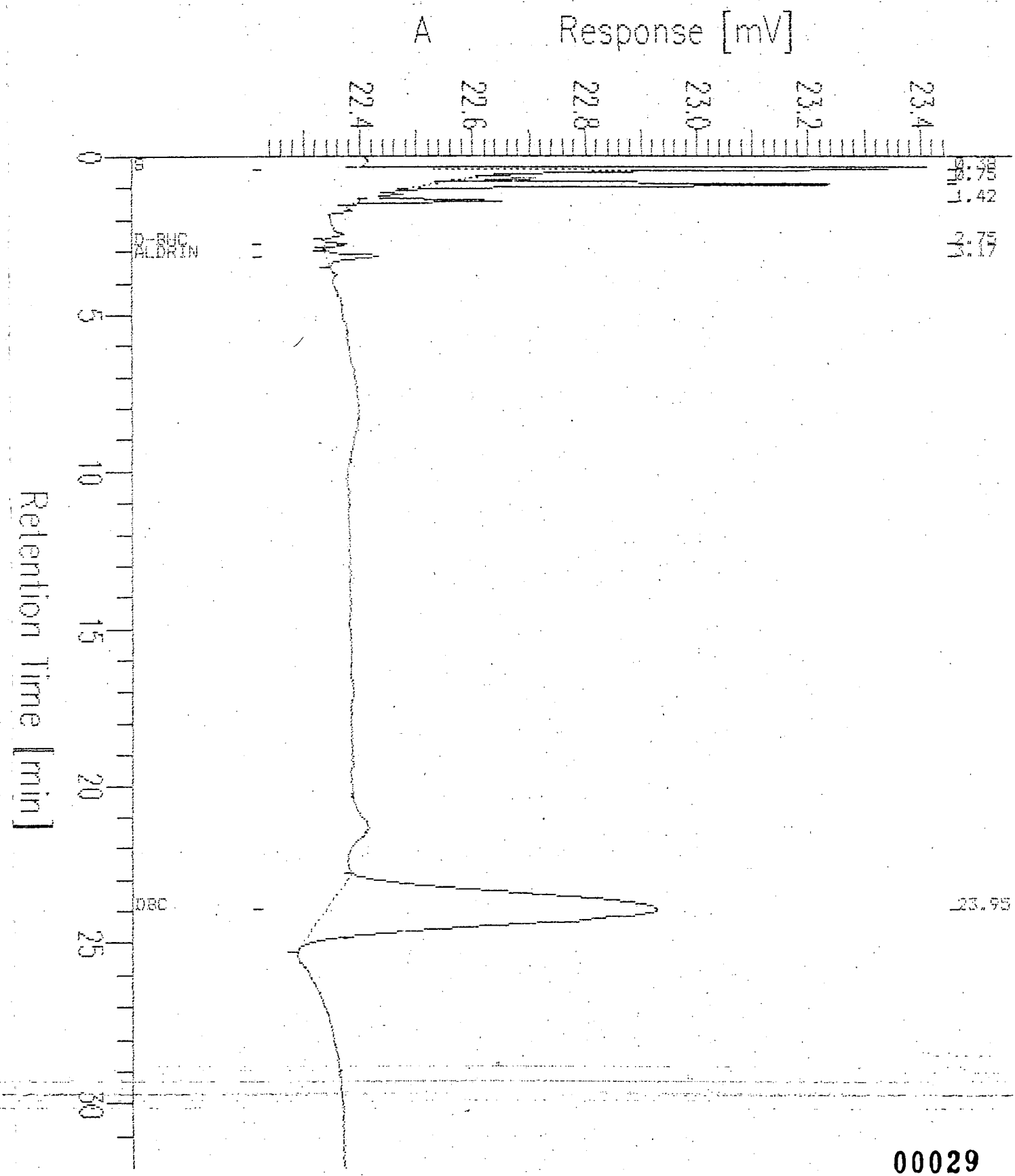
Operator ID: NYTEST1
Quant Time: 910624 08:54
Injected at: 910621 21:11

TIC page 2 of 2

S+D Chromatogram N8644001 674-D01

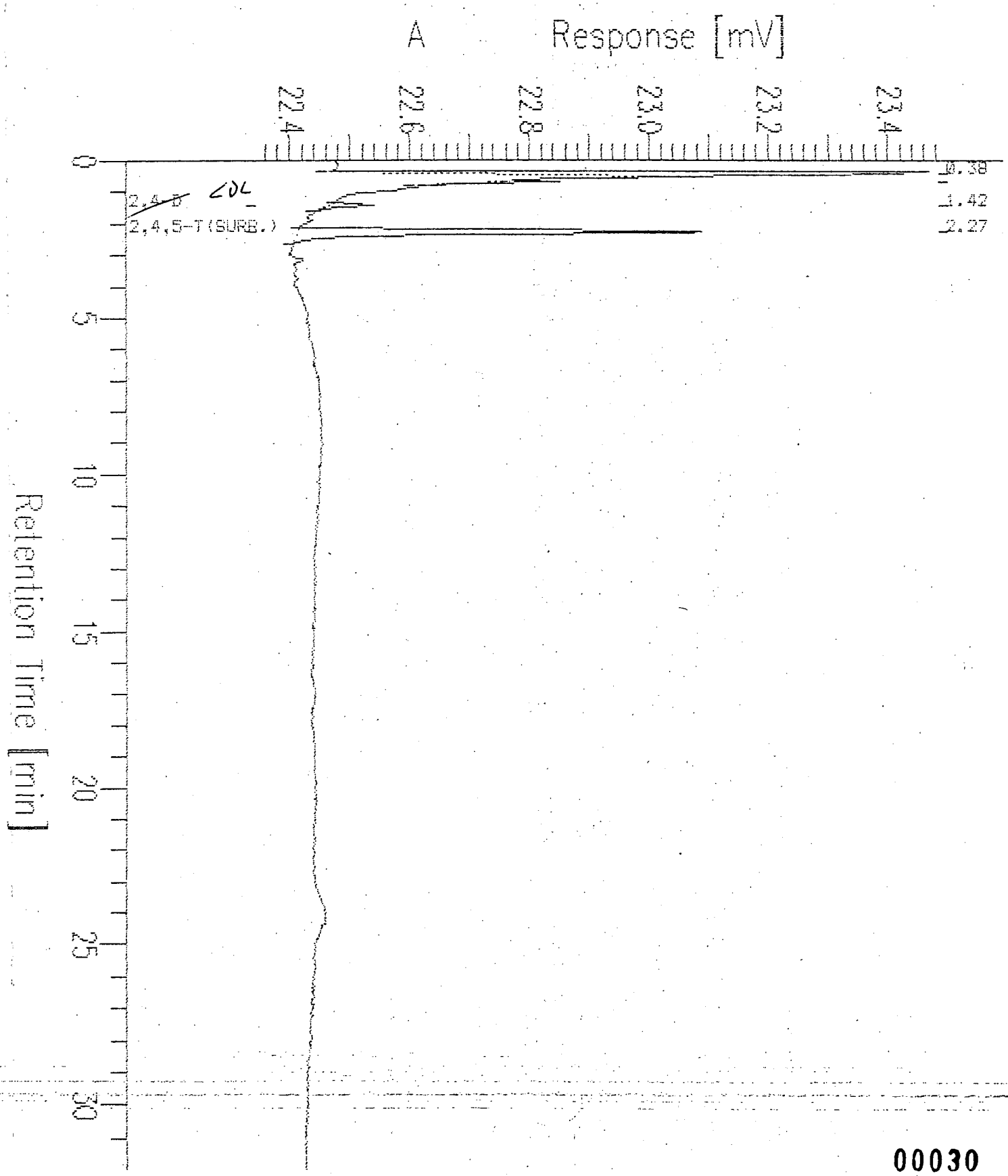
FileName : C:\2700\DATA1\b06q018.raw
Date : 06/27/91 03:34 PM

Start Time : 0.00 min
End Time : 32.00 min
Low Point : 22.23 mV
High Point : 23.45 mV
Scale Factor: 1
Plot Offset: 22 mV
Plot Scale: 1 mV



STD Chromatogram N8644001 624-D01

FileName : C:\2700\DATA1\b06g030.raw Date : 06/27/91 03:59 PM Page 1 of 1
Start Time : 0.00 min End Time : 32.00 min Low Point : 22.34 mV High Point : 23.49 mV
Scale Factor: 1 Plot Offset: 22 mV Plot Scale: 1 mV



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1A-P

NYTEST ENVIRONMENTAL INC.

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE MATRIX: SOIL
CONC. LEVEL: MED
ANALYSIS DATE: 6/20/91

SAMPLE ID: 674-D02
LAB ID: 8644002
DIL FACTOR: 50.00
% MOISTURE: NA

CMPD #	CAS Number	VOLATILE COMPOUNDS	UG/KG
1	74-87-3	Chloromethane	62500.0 U.
2	74-83-9	Bromomethane	62500.0 U.
3	75-01-4	Vinyl Chloride	62500.0 U.
4	75-00-3	Chloroethane	62500.0 U.
5	75-09-2	Methylene Chloride	21000.0 JB
6	67-64-1	2-Propanone	72000.0 TB
7	75-15-0	Carbon disulfide	31000.0 U.
8	75-35-4	1,1-Dichloroethene	31000.0 U.
9	75-34-3	1,1-Dichloroethane	31000.0 U.
10	540-59-0	1,2-Dichloroethene (total)	31000.0 U.
11	67-66-3	Chloroform	31000.0 U.
12	107-06-2	1,2-Dichloroethane	31000.0 U.
13	78-93-3	2-Butanone	47000.0 J.
14	71-55-6	1,1,1-Trichloroethane	31000.0 U.
15	56-23-5	Carbon Tetrachloride	31000.0 U.
16	108-05-4	Vinyl Acetate	62500.0 U.
17	75-27-4	Bromodichloromethane	31000.0 U.
18	78-87-5	1,2-Dichloropropane	31000.0 U.
19	10061-01-5	cis-1,3-Dichloropropene	31000.0 U.
20	79-01-6	Trichloroethene	31000.0 U.
21	124-48-1	Dibromochloromethane	31000.0 U.
22	79-00-5	1,1,2-Trichloroethane	31000.0 U.
23	71-43-2	Benzene	31000.0 U.
24	10061-02-6	Trans-1,3-Dichloropropene	31000.0 U.
25	75-25-2	Bromoform	31000.0 U.
26	108-10-1	4-Methyl-2-Pentanone	62500.0 U.
27	591-78-6	2-Hexanone	62500.0 U.
28	127-18-4	Tetrachloroethene	31000.0 U.
29	79-34-5	1,1,2,2-Tetrachloroethane	31000.0 U.
30	108-88-3	Toluene	31000.0 U.
31	108-90-7	Chlorobenzene	31000.0 U.
32	100-41-4	Ethylbenzene	31000.0 U.
33	100-42-5	Styrene	31000.0 U.
34	1330-20-7	Xylene (total)	31000.0 U.
35	107-02-8	Acrolein	625000.0 U.
36	107-13-1	Acrylonitrile	625000.0 U.
37	110-75-8	2-Chloroethylvinylether	62500.0 U.
38		Dichlorodifluoromethane	62500.0 U.
39		Dichlorobenzene (total)	190000.0 U.
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41			

1B-P

NYTEST ENVIRONMENTAL INC.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE MATRIX: SOIL
CONC. LEVEL: MED
EXTRACTION DATE: 6/18/91
ANALYSIS DATE: 6/21/91

SAMPLE ID: 674-D02
LAB ID: 8644002
DIL FACTOR: 25.00
% MOISTURE: NA

CMPD #	CAS Number	BASE NEUTRAL COMPOUNDS	UG/KG
1	111-44-4	bis(2-Chloroethyl)ether	495000.0 U.
2	541-73-1	1,3-Dichlorobenzene	495000.0 U.
3	106-46-7	1,4-Dichlorobenzene	495000.0 U.
4	95-50-1	1,2-Dichlorobenzene	495000.0 U.
5	39638-32-9	bis(2-chloroisopropyl)ether	495000.0 U.
6	621-64-7	N-Nitroso-Di-n-Propylamine	495000.0 U.
7	67-72-1	Hexachloroethane	495000.0 U.
8	98-95-3	Nitrobenzene	495000.0 U.
9	78-59-1	Isophorone	495000.0 U.
10	111-91-1	bis(2-chloroethoxy)Methane	495000.0 U.
11	120-82-1	1,2,4-Trichlorobenzene	495000.0 U.
12	106-47-8	4-Chloroaniline	495000.0 U.
13	87-68-3	Hexachlorobutadiene	495000.0 U.
14	91-57-6	2-Methylnaphthalene	495000.0 U.
15	77-47-4	Hexachlorocyclopentadiene	495000.0 U.
16	91-58-7	2-Chloronaphthalene	495000.0 U.
17	88-74-4	2-Nitroaniline	2500000.0 U.
18	131-11-3	Dimethyl Phthalate	495000.0 U.
19	99-09-2	3-Nitroaniline	2500000.0 U.
20	132-64-9	Dibenzofuran	495000.0 U.
21	121-14-2	2,4-Dinitrotoluene	495000.0 U.
22	606-20-2	2,6-Dinitrotoluene	495000.0 U.
23	84-66-2	Diethylphthalate	495000.0 U.
24	7005-72-3	4-Chlorophenyl-phenylether	495000.0 U.
25	100-01-6	4-Nitroaniline	2500000.0 U.
26	86-30-6	N-Nitrosodiphenylamine	495000.0 U.
27	101-55-3	4-Bromophenyl-phenylether	495000.0 U.
28	118-74-1	Hexachlorobenzene	495000.0 U.
29	84-74-2	Di-n-Butylphthalate	495000.0 U.
30	85-68-7	Butylbenzylphthalate	495000.0 U.
31	91-94-1	3,3'-Dichlorobenzidine	1000000.0 U.
32	117-81-7	bis(2-Ethylhexyl)Phthalate	495000.0 U.
33	11784-0	Di-n-Octyl Phthalate	495000.0 U.
34	62-75-9	N-Nitrosodimethylamine	495000.0 U.
35	62-53-3	Aniline	495000.0 U.
36	92-87-5	Benzidine	4000000.0 U.
37		Dioxin (Screen)	ND
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CMPD #	CAS Number	BASE NEUTRAL/PAH COMPOUNDS	UG/KG
42	91-20-3	Naphthalene	495000.0 U.
43	208-96-8	Acenaphthylene	495000.0 U.
44	83-32-9	Acenaphthene	495000.0 U.
45	86-73-7	Fluorene	495000.0 U.
46	85-01-8	Phenanthrene	495000.0 U.
47	120-12-7	Anthracene	495000.0 U.
48	206-44-0	Fluoranthene	495000.0 U.
49	129-00-0	Pyrene	495000.0 U.
50	56-55-3	Benzo(a)Anthracene	495000.0 U.
51	218-01-9	Chrysene	495000.0 U.
52	205-99-2	Benzo(b)Fluoranthene	495000.0 U.
53	207-08-9	Benzo(k)Fluoranthene	495000.0 U.
54	50-32-8	Benzo(a)Pyrene	495000.0 U.
55	193-39-5	Indeno(1,2,3-cd)Pyrene	495000.0 U.
56	53-70-3	Dibenz(a,h)Anthracene	495000.0 U.
57	191-24-2	Benzo(g,h,i)Perylene	495000.0 U.
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		ACID COMPOUNDS	
61	108-95-2	Phenol	495000.0 U.
62	95-57-8	2-Chlorophenol	495000.0 U.
63	100-51-6	Benzyl Alcohol	495000.0 U.
64	95-48-7	2-Methylphenol	495000.0 U.
65	106-44-5	4-Methylphenol	495000.0 U.
66	88-75-5	2-Nitrophenol	495000.0 U.
67	105-67-9	2,4-Dimethylphenol	495000.0 U.
68	65-85-0	Benzoic Acid	2500000.0 U.
69	120-83-2	2,4-Dichlorophenol	495000.0 U.
70	59-50-7	4-Chloro-3-Methylphenol	495000.0 U.
71	88-6-2	2,4,6-Trichlorophenol	495000.0 U.
72	95-95-4	2,4,5-Trichlorophenol	2500000.0 U.
73	51-28-5	2,4-Dinitrophenol	2500000.0 U.
74	100-02-7	4-Nitrophenol	2500000.0 U.
75	534-52-1	4,6-Dinitro-2-Methylphenol	2500000.0 U.
76	87-86-5	Pentachlorophenol	2500000.0 U.
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1C

NYTEST ENVIRONMENTAL INC.

TENTATIVELY IDENTIFIED ORGANICS COMPOUND

SAMPLE ID: 674-D02

OF TIC FOUND: 0

LAB ID: 8644002

MATRIX: SOIL

FRACTION: VOA

CAS Number	Compound Name	RT	Estimated Concentration UG/KG
1	NO COMPOUNDS FOUND		
2			
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1C

NYTEST ENVIRONMENTAL INC.

TENTATIVELY IDENTIFIED ORGANICS COMPOUND

SAMPLE ID: 674-D02

OF TIC FOUND: 0

LAB ID: 8644002

MATRIX: SOIL

FRACTION: BNA

CAS Number	Compound Name	RT	Estimated Concentration UG/KG
1	NO COMPOUNDS FOUND		
2			
3			
4			
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1 D-T

NYTEST ENVIRONMENTAL INC.

TCL PESTICIDE/PCB ORGANICS ANALYSIS DATA SHEET

SAMPLE MATRIX:	SOIL	SAMPLE ID:	674-D02
CONC. LEVEL:	MED	LAB SAMPLE ID:	8644002
EXTRACTION DATE:	6/18/91	DIL FACTOR:	1.00
ANALYSIS DATE:	6/26/91	% MOISTURE:	NA

CMPD #	CAS Number	PESTICIDE/PCB COMPOUND	UG/KG
1	319-84-6	Alpha-BHC	120.000 U.
2	319-85-7	Beta-BHC	120.000 U.
3	319-86-8	Delta-BHC	120.000 U.
4	58-89-9	Gamma-BHC(Lindane)	120.000 U.
5	76-44-8	Heptachlor	120.000 U.
6	309-00-2	Aldrin	120.000 U.
7	1024-57-3	Heptachlor Epoxide	120.000 U.
8	959-98-8	Endosulfan I	120.000 U.
9	60-57-1	Dieldrin	240.000 U.
10	72-55-9	4,4'-DDE	240.000 U.
11	70-20-8	Endrin	240.000 U.
12	33213-65-9	Endosulfan II	240.000 U.
13	72-54-8	4,4-DDD	240.000 U.
14	1031-07-8	Endosulfan Sulfate	240.000 U.
15	50-29-3	4,4'-DDT	240.000 U.
16	53494-70-5	Endrin Ketone	240.000 U.
17	72-43-5	Methoxychlor	1200.000 U.
18	57-74-9	Chlordane	1200.000 U.
19	8001-35-2	Toxaphene	2400.000 U.
20	12674-11-2	Aroclor-1016	1200.000 U.
21	11104-28-2	Aroclor-1221	1200.000 U.
22	11141-16-5	Aroclor-1232	1200.000 U.
23	53469-21-9	Aroclor-1242	1200.000 U.
24	12672-29-6	Aroclor-1248	1200.000 U.
25	11097-69-1	Aroclor-1254	2400.000 U.
26	11096-82-5	Aroclor-1260	2400.000 U.

nytest environmental inc.

Sample Identification and Results

Log In No: 8644

Sample No: 674-D02
Lab Sample ID No: 8644002

Results in mg/kg:

TCL Metals	Found
Aluminum	<5.0
Antimony	<5.0
Arsenic	<2.0
Barium	<10.0
Beryllium	<1.0
Cadmium	<1.0
Calcium	<50.0
Chromium	<5.0
Cobalt	<5.0
Copper	<5.0
Iron	14300.0
Lead	<5.0
Magnesium	7.66
Manganese	54.8
Mercury	<0.1
Nickel	<5.0
Potassium	29.4
Selenium	<1.0
Silver	<5.0
Sodium	74.3
Thallium	<5.0
Vanadium	<1.0
Zinc	<5.0

TCLP Results 2-J Sample ID: 674-D02
Lab ID: 8644002

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
D018	Benzene	0.50	0.05	ND
D006	Cadmium	1.0	0.1	ND
D019	Carbon tetrachloride	0.50	0.05	ND
D020	Chlordane	0.03	0.003	ND
D021	Chlorobenzene	100.0	10	ND
D022	Chloroform	6.0	0.6	ND
D007	Chromium	5.0	0.5	1.62
D023	o-Cresol	200	20	ND
D024	m-Cresol	200	20	ND
D025	p-Cresol	200	20	ND
D026	Cresol	200	20	ND
D016	2,4-D	10.0	1	ND
D027	1,4-Dichlorobenzene	7.5	0.75	ND
D028	1,2-Dichloroethane	0.5	0.05	ND
D029	1,1-Dichloroethylene	0.7	0.07	ND
D030	2,4-Dinitrotoluene	0.13	0.013	ND
D012	Endrin	0.02	0.002	ND
D031	Heptachlor(and its hydroxide)	0.008	0.004	ND
D032	Hexachlorobenzene	0.13	0.013	ND
D033	Hexachloro-1,3-butadiene	0.5	0.05	ND
D034	Hexachloroethane	3.0	0.3	ND
D008	Lead	5.0	0.5	2.28
D013	Lindane	0.4	0.04	ND
D009	Mercury	0.2	0.02	ND
D014	Methoxychlor	10.0	1	ND
D035	Methyl ethyl ketone	200.0	20	ND
D036	Nitrobenzene	2.0	0.2	ND
D037	Pentachlorophenol	100.0	10	ND
D038	Pyridine	5.0	0.5	ND
D010	Selenium	1.0	0.1	ND
D011	Silver	5.0	0.5	ND
D039	Tetrachloroethylene	0.7	0.07	ND
D015	Toxaphene	0.5	0.05	ND
D040	Trichloroethylene	0.5	0.05	ND
D041	2,4,5-Trichlorophenol	400.0	40	ND
D042	2,4,6-Trichlorophenol	2.0	0.2	ND
D017	2,4,5-TP (Silvex)	1.0	0.1	ND
D043	Vinyl chloride	0.20	0.02	ND
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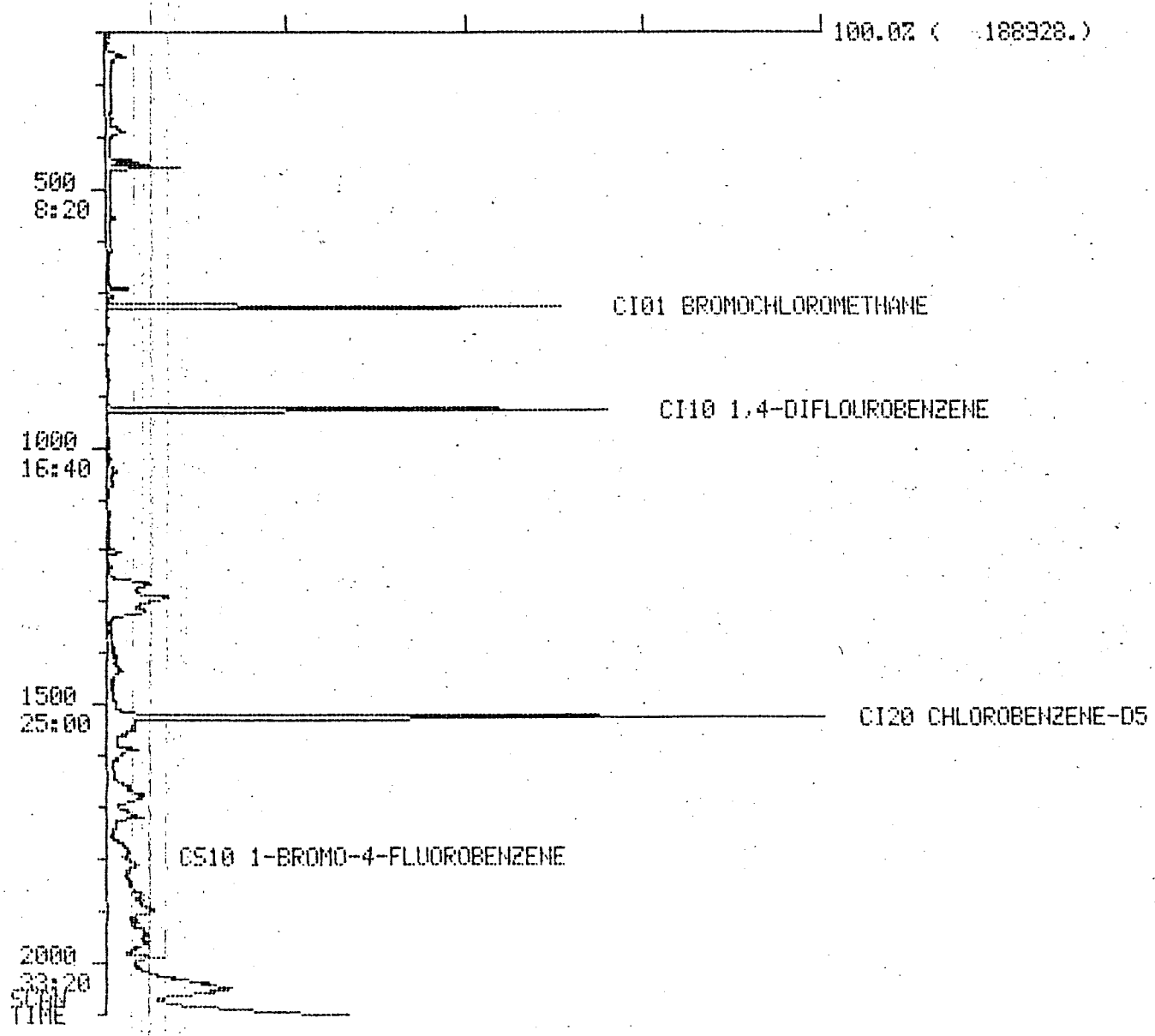
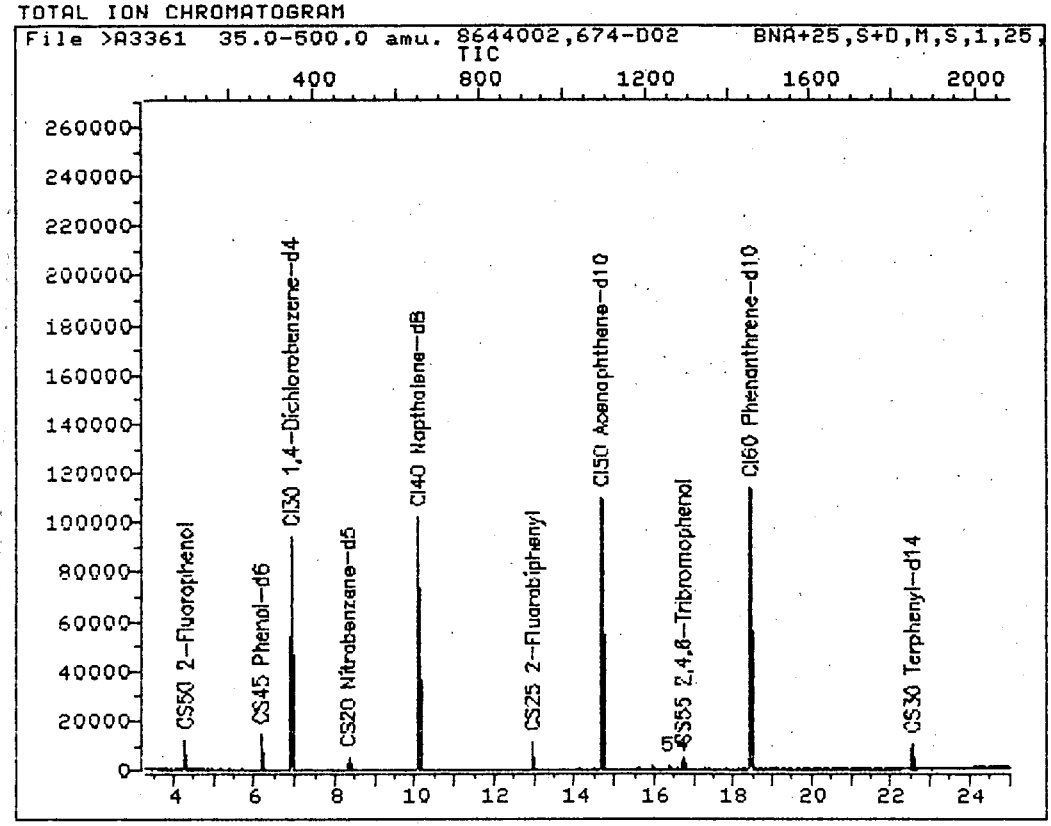
ND = None Detected

DATA FROM FILE: G2672 SCANS 200 TO 2100 ACQUIRED: 06/20/91 20:42:00
CALI: G2672 #2
SAMPLE: S&D ENVIRONMENTAL 8644002/674-D02, REC'D 6/13/91
CONDS.: 2UL(4G/10MLS)/5MLS,INST.G



TOTAL ION CHROMATOGRAM



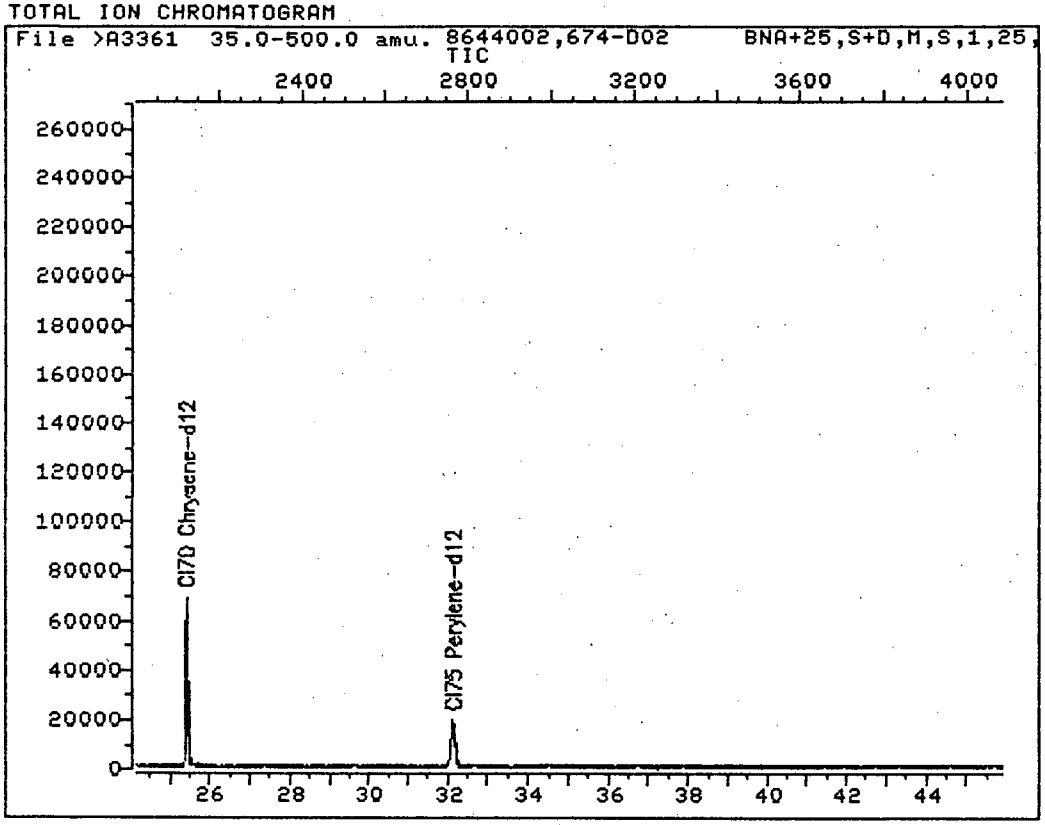
Data File: >A3361::D2 Quant Output File: ^A3361::QT
Name: 8644002,674-D02
Misc: BNA+25,S+D,M,S,1,25,D25,,R6/13,E6/18,INST:A BTL#46

Id File: CLPA1::SC
Title: ACID,BASE & NEUTRALS CLP COMPOUNDS
Last Calibration: 910621 09:14

Operator ID: NYTEST1
Quant Time: 910621 12:48
Injected at: 910621 11:59

TIC page 1 of 2

TOTAL ION CHROMATOGRAM



Data File: >A3361::D2 Quant Output File: ^A3361::QT
Name: 8644002,674-D02
Misc: BNA+25,S+D,M,S,1,25,D25,,R6/13,E6/18,INST:A BTL#46

Id File: CLPA1::SC
Title: ACID,BASE & NEUTRALS CLP COMPOUNDS
Last Calibration: 910621 09:14

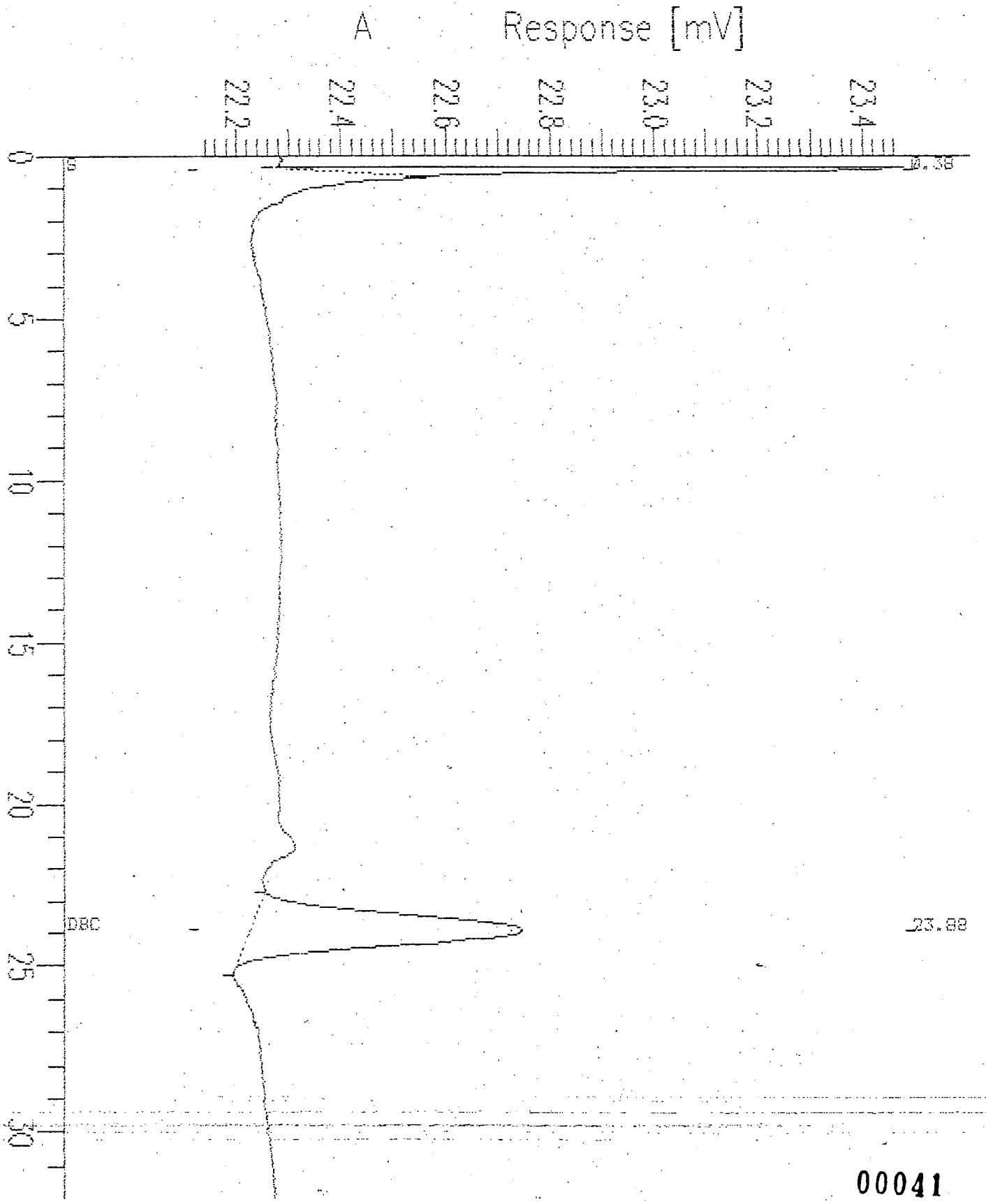
Operator ID: NYTEST1
Quant Time: 910621 12:48
Injected at: 910621 11:59

TIC page 2 of 2

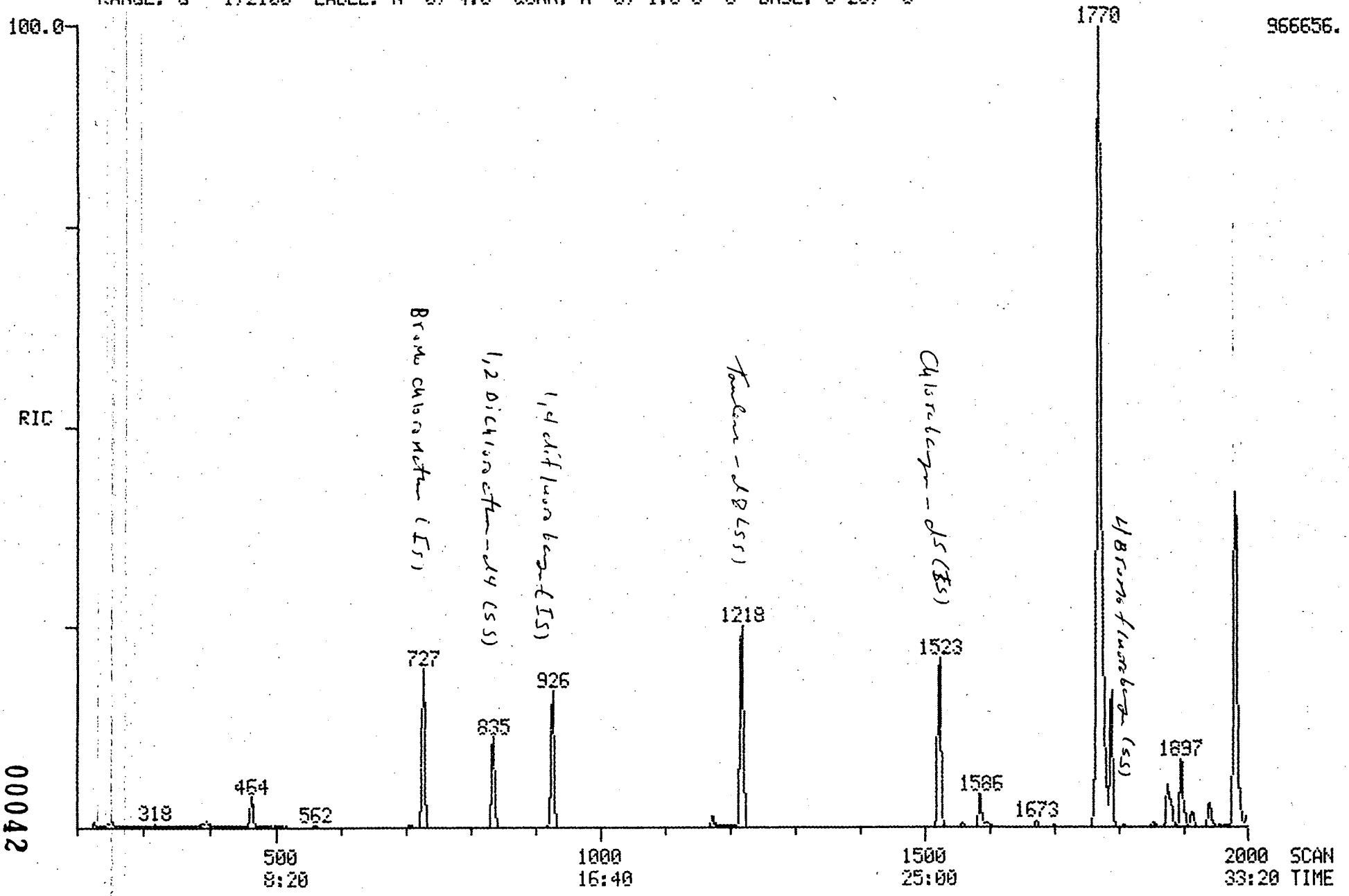
STD Chromatogram N8644002 674-D02

FileName : C:\2700\DATA1\b06g007.raw
Date : 06/27/91 03:23 PM

Start Time : 0.00 min
End Time : 32.00 min
Low Point : 22.13 mV
High Point : 23.48 mV
Scale Factor: 1
Plot Offset: 22 mV
Plot Scale: 1 mV

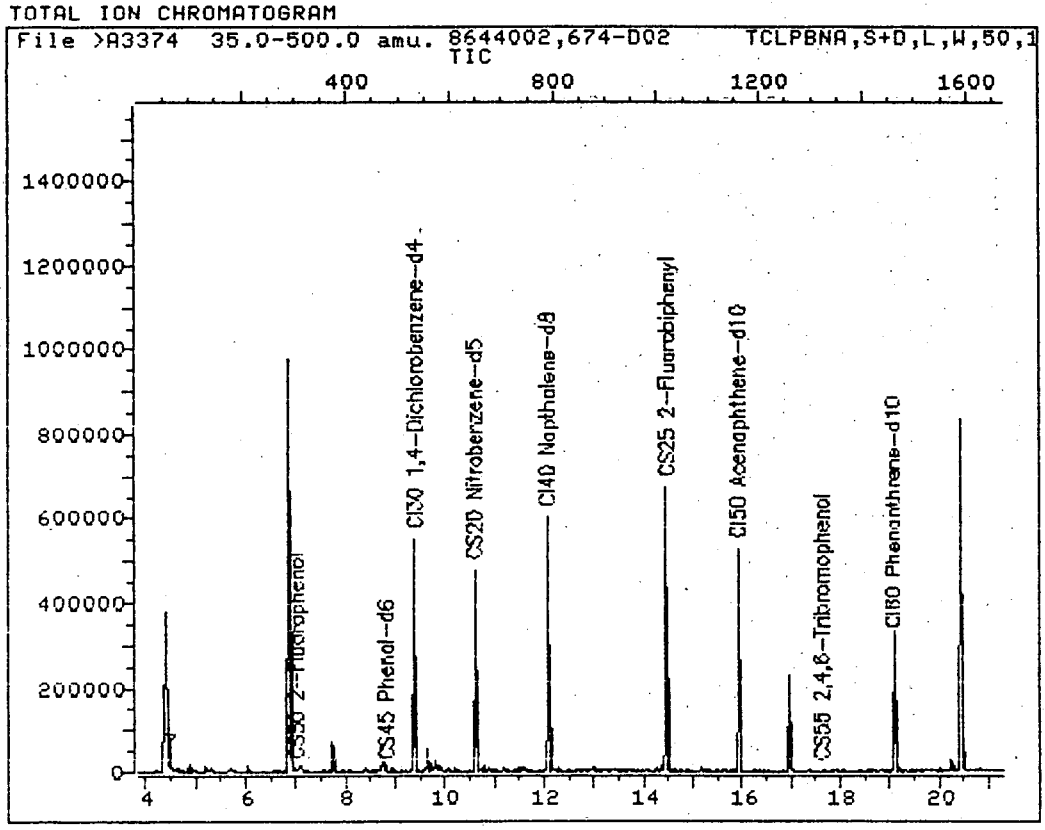


RIC DATA: G2701 #1 SCANS 200 TO 2000
06/25/91 12:12:00 CALI: G2701 #2
SAMPLE: S&D ENV.,674D02/8644002,REC'D 6/13/91
CONDS.: 20UL/5MLS,INST.G(TCLP)
RANGE: G 1,2100 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3



00042

TOTAL ION CHROMATOGRAM



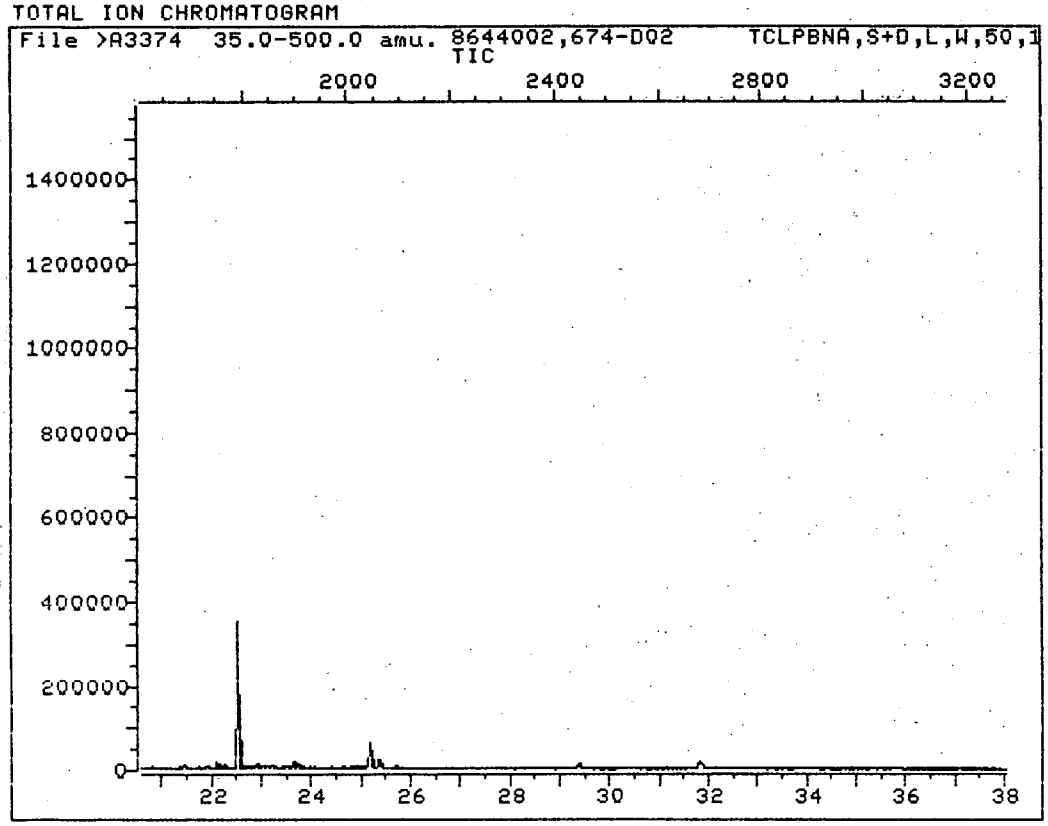
Data File: >A3374::D2 Quant Output File: ^A3374::QT
Name: 8644002,674-D02
Misc: TCLPBNA,S+D,L,W,50,1,,,R6/13,E6/19,INST:A,#1,(s+d) BTL#57

Id File: TCLPA::AQ
Title: ACID,BASE & NEUTRALS CLP COMPOUNDS
Last Calibration: 910624 07:29

Operator ID: NYTEST1
Quant Time: 910624 08:57
Injected at: 910621 21:57

TIC page 1 of 2

TOTAL ION CHROMATOGRAM



Data File: >A3374::D2 Quant Output File: ^A3374::QT
Name: 8644002,674-D02
Misc: TCLPBNA,S+D,L,W,50,1,,,R6/13,E6/19,INST:A,#1,(s+d) BTL#57

Id File: TCLPA::AQ
Title: ACID,BASE & NEUTRALS CLP COMPOUNDS
Last Calibration: 910624 07:29

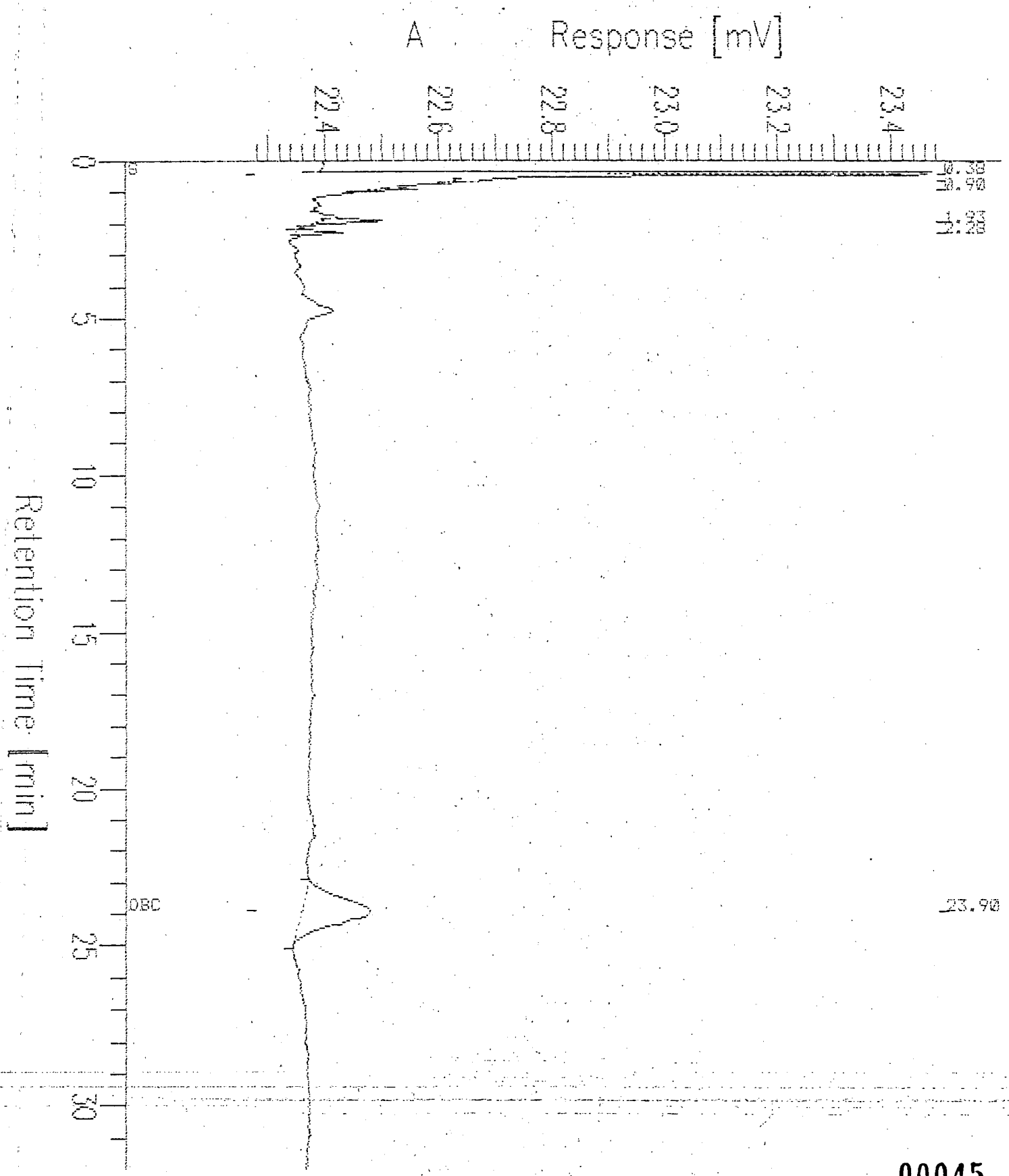
Operator ID: NYTEST1
Quant Time: 910624 08:57
Injected at: 910621 21:57

TIC page 2 of 2

STD Chromatogram N8644002 674-D02

FileName : C:\2700\DATA1\b06g019.raw
Date : 06/27/91 03:34 PM

Start Time : 0.00 min
End Time : 32.00 min
Low Point : 22.28 mV
High Point : 23.48 mV
Scale Factor: 1
Plot Offset: 22 mV
Plot Scale: 1 mV

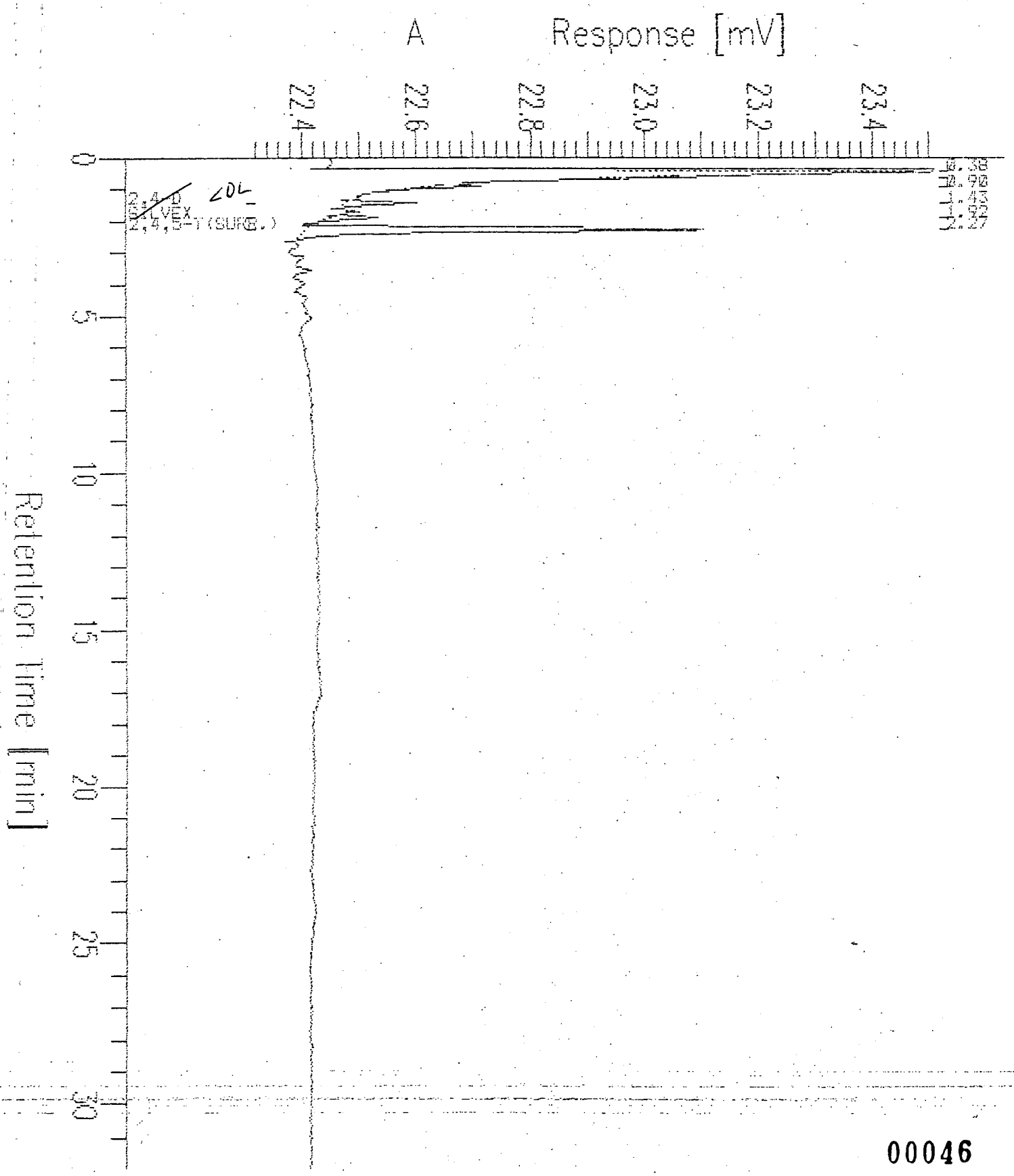


S+D

Chromatogram N8644002 674-D02

FileName : C:\2700\DATA1\b86g031.raw
Date : 06/27/91 03:59 PM

Start Time : 0.00 min
End Time : 32.00 min
Low Point : 22.32 mV
High Point : 23.52 mV
Scale Factor: 1
Plot Offset: 22 mV
Plot Scale: 1 mV



1A-P

NYTEST ENVIRONMENTAL INC.

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE MATRIX: SOIL
CONC. LEVEL: MED
ANALYSIS DATE: 6/20/91

SAMPLE ID: 674-D03
LAB ID: 8644003
DIL FACTOR: 50.00
% MOISTURE: NA

CMPD #	CAS Number	VOLATILE COMPOUNDS	UG/KG
1	74-87-3	Chloromethane	62500.0 U.
2	74-83-9	Bromomethane	62500.0 U.
3	75-01-4	Vinyl Chloride	62500.0 U.
4	75-00-3	Chloroethane	62500.0 U.
5	75-09-2	Methylene Chloride	22000.0 JB
6	67-64-1	2-Propanone	6400.0 JB
7	75-15-0	Carbon disulfide	31000.0 U.
8	75-35-4	1,1-Dichloroethene	31000.0 U.
9	75-34-3	1,1-Dichloroethane	31000.0 U.
10	540-59-0	1,2-Dichloroethene (total)	31000.0 U.
11	67-66-3	Chloroform	31000.0 U.
12	107-06-2	1,2-Dichloroethane	31000.0 U.
13	78-93-3	2-Butanone	9100.0 J.
14	71-55-6	1,1,1-Trichloroethane	31000.0 U.
15	56-23-5	Carbon Tetrachloride	31000.0 U.
16	108-05-4	Vinyl Acetate	62500.0 U.
17	75-27-4	Bromodichloromethane	31000.0 U.
18	78-87-5	1,2-Dichloropropane	31000.0 U.
19	10061-01-5	cis-1,3-Dichloropropene	31000.0 U.
20	79-01-6	Trichloroethene	31000.0 U.
21	124-48-1	Dibromochloromethane	31000.0 U.
22	79-00-5	1,1,2-Trichloroethane	31000.0 U.
23	71-43-2	Benzene	31000.0 U.
24	10061-02-6	Trans-1,3-Dichloropropene	31000.0 U.
25	75-25-2	Bromoform	31000.0 U.
26	108-10-1	4-Methyl-2-Pentanone	62500.0 U.
27	591-78-6	2-Hexanone	62500.0 U.
28	127-18-4	Tetrachloroethene	31000.0 U.
29	79-34-5	1,1,2,2-Tetrachloroethane	31000.0 U.
30	108-88-3	Toluene	31000.0 U.
31	108-90-7	Chlorobenzene	31000.0 U.
32	100-41-4	Ethylbenzene	31000.0 U.
33	100-42-5	Styrene	31000.0 U.
34	1330-20-7	Xylene (total)	31000.0 U.
35	107-02-8	Acrolein	625000.0 U.
36	107-13-1	Acrylonitrile	625000.0 U.
37	110-75-8	2-Chloroethylvinylether	62500.0 U.
38		Dichlorodifluoromethane	62500.0 U.
39		Dichlorobenzene (total)	190000.0 U.
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1B-P

NYTEST ENVIRONMENTAL INC.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE MATRIX: SOIL
CONC. LEVEL: MED
EXTRACTION DATE: 6/18/91
ANALYSIS DATE: 6/21/91

SAMPLE ID: 674-D03
LAB ID: 8644003
DIL FACTOR: 25.00
% MOISTURE: NA

CMPD #	CAS Number	BASE NEUTRAL COMPOUNDS	UG/KG
1	111-44-4	bis(2-Chloroethyl)ether	495000.0 U.
2	541-73-1	1,3-Dichlorobenzene	495000.0 U.
3	106-46-7	1,4-Dichlorobenzene	495000.0 U.
4	95-50-1	1,2-Dichlorobenzene	495000.0 U.
5	39638-32-9	bis(2-chloroisopropyl)ether	495000.0 U.
6	621-64-7	N-Nitroso-Di-n-Propylamine	495000.0 U.
7	67-72-1	Hexachloroethane	495000.0 U.
8	98-95-3	Nitrobenzene	495000.0 U.
9	78-59-1	Isophorone	495000.0 U.
10	111-91-1	bis(2-chloroethoxy)Methane	495000.0 U.
11	120-82-1	1,2,4-Trichlorobenzene	495000.0 U.
12	106-47-8	4-Chloroaniline	495000.0 U.
13	87-68-3	Hexachlorobutadiene	495000.0 U.
14	91-57-6	2-Methylnaphthalene	495000.0 U.
15	77-47-4	Hexachlorocyclopentadiene	495000.0 U.
16	91-58-7	2-Chloronaphthalene	495000.0 U.
17	88-74-4	2-Nitroaniline	2500000.0 U.
18	131-11-3	Dimethyl Phthalate	495000.0 U.
19	99-09-2	3-Nitroaniline	2500000.0 U.
20	132-64-9	Dibenzofuran	495000.0 U.
21	121-14-2	2,4-Dinitrotoluene	495000.0 U.
22	606-20-2	2,6-Dinitrotoluene	495000.0 U.
23	84-66-2	Diethylphthalate	495000.0 U.
24	7005-72-3	4-Chlorophenyl-phenylether	495000.0 U.
25	100-01-6	4-Nitroaniline	2500000.0 U.
26	86-30-6	N-Nitrosodiphenylamine	58000.0 J.
27	101-55-3	4-Bromophenyl-phenylether	495000.0 U.
28	118-74-1	Hexachlorobenzene	495000.0 U.
29	84-74-2	Di-n-Butylphthalate	495000.0 U.
30	85-68-7	Butylbenzylphthalate	495000.0 U.
31	91-94-1	3,3'-Dichlorobenzidine	1000000.0 U.
32	117-81-7	bis(2-Ethylhexyl)Phthalate	495000.0 U.
33	11784-0	Di-n-Octyl Phthalate	495000.0 U.
34	62-75-9	N-Nitrosodimethylamine	495000.0 U.
35	62-53-3	Aniline	495000.0 U.
36	92-87-5	Benzidine	4000000.0 U.
37		Dioxin (Screen)	ND
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CMPD #	CAS Number	BASE NEUTRAL/PAH COMPOUNDS	UG/KG
42	91-20-3	Naphthalene	495000.0 U.
43	208-96-8	Acenaphthylene	495000.0 U.
44	83-32-9	Acenaphthene	495000.0 U.
45	86-73-7	Fluorene	495000.0 U.
46	85-01-8	Phenanthrene	495000.0 U.
47	120-12-7	Anthracene	495000.0 U.
48	206-44-0	Fluoranthene	495000.0 U.
49	129-00-0	Pyrene	495000.0 U.
50	56-55-3	Benzo(a)Anthracene	495000.0 U.
51	218-01-9	Chrysene	495000.0 U.
52	205-99-2	Benzo(b)Fluoranthene	495000.0 U.
53	207-08-9	Benzo(k)Fluoranthene	495000.0 U.
54	50-32-8	Benzo(a)Pyrene	495000.0 U.
55	193-39-5	Indeno(1,2,3-cd)Pyrene	495000.0 U.
56	53-70-3	Dibenz(a,h)Anthracene	495000.0 U.
57	191-24-2	Benzo(g,h,i)Perylene	495000.0 U.
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		ACID COMPOUNDS	
61	108-95-2	Phenol	495000.0 U.
62	95-57-8	2-Chlorophenol	495000.0 U.
63	100-51-6	Benzyl Alcohol	495000.0 U.
64	95-48-7	2-Methylphenol	495000.0 U.
65	106-44-5	4-Methylphenol	495000.0 U.
66	88-75-5	2-Nitrophenol	495000.0 U.
67	105-67-9	2,4-Dimethylphenol	495000.0 U.
68	65-85-0	Benzoic Acid	2500000.0 U.
69	120-83-2	2,4-Dichlorophenol	495000.0 U.
70	59-50-7	4-Chloro-3-Methylphenol	495000.0 U.
71	88-6-2	2,4,6-Trichlorophenol	495000.0 U.
72	95-95-4	2,4,5-Trichlorophenol	2500000.0 U.
73	51-28-5	2,4-Dinitrophenol	2500000.0 U.
74	100-02-7	4-Nitrophenol	2500000.0 U.
75	534-52-1	4,6-Dinitro-2-Methylphenol	2500000.0 U.
76	87-86-5	Pentachlorophenol	2500000.0 U.
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1C

NYTEST ENVIRONMENTAL INC.

TENTATIVELY IDENTIFIED ORGANICS COMPOUND

SAMPLE ID: 674-D03

OF TIC FOUND: 0

LAB ID: 8644003

MATRIX: SOIL

FRACTION: VOA

CAS Number	Compound Name	RT	Estimated Concentration UG/KG
1	NO COMPOUNDS FOUND		
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1C

NYTEST ENVIRONMENTAL INC.

TENTATIVELY IDENTIFIED ORGANICS COMPOUND

SAMPLE ID: 674-D03

OF TIC FOUND: 2

LAB ID: 8644003

MATRIX: SOIL

FRACTION: BNA

	CAS Number	Compound Name	RT	Estimated Concentration UG/KG
1		METHOXY-PROPENYL PHENOL ISOMER	12.73	400000 J
2		UNKNOWN	13.80	500000 J
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1 D-T

NYTEST ENVIRONMENTAL INC.

TCL PESTICIDE/PCB ORGANICS ANALYSIS DATA SHEET

SAMPLE MATRIX:	SOIL	SAMPLE ID:	674-D03
CONC. LEVEL:	MED	LAB SAMPLE ID:	8644003
EXTRACTION DATE:	6/18/91	DIL FACTOR:	1.00
ANALYSIS DATE:	6/26/91	% MOISTURE:	NA

CMPD #	CAS Number	PESTICIDE/PCB COMPOUND	UG/KG
1	319-84-6	Alpha-BHC	120.000 U.
2	319-85-7	Beta-BHC	120.000 U.
3	319-86-8	Delta-BHC	120.000 U.
4	58-89-9	Gamma-BHC(Lindane)	120.000 U.
5	76-44-8	Heptachlor	120.000 U.
6	309-00-2	Aldrin	120.000 U.
7	1024-57-3	Heptachlor Epoxide	120.000 U.
8	959-98-8	Endosulfan I	120.000 U.
9	60-57-1	Dieldrin	240.000 U.
10	72-55-9	4,4'-DDE	240.000 U.
11	70-20-8	Endrin	240.000 U.
12	33213-65-9	Endosulfan II	240.000 U.
13	72-54-8	4,4-DDD	240.000 U.
14	1031-07-8	Endosulfan Sulfate	240.000 U.
15	50-29-3	4,4'-DDT	240.000 U.
16	53494-70-5	Endrin Ketone	240.000 U.
17	72-43-5	Methoxychlor	1200.000 U.
18	57-74-9	Chlordane	1200.000 U.
19	8001-35-2	Toxaphene	2400.000 U.
20	12674-11-2	Aroclor-1016	1200.000 U.
21	11104-28-2	Aroclor-1221	1200.000 U.
22	11141-16-5	Aroclor-1232	1200.000 U.
23	53469-21-9	Aroclor-1242	1200.000 U.
24	12672-29-6	Aroclor-1248	1200.000 U.
25	11097-69-1	Aroclor-1254	2400.000 U.
26	11096-82-5	Aroclor-1260	2400.000 U.

nytest environmental inc

Sample Identification and Results

Log In No: 8644

Sample No: 674-D03
Lab Sample ID No: 8644003

Results in mg/kg:

TCL Metals	Found
Aluminum	13.9
Antimony	<5.0
Arsenic	<2.0
Barium	<10.0
Beryllium	<1.0
Cadmium	<1.0
Calcium	52.9
Chromium	<5.0
Cobalt	<5.0
Copper	<5.0
Iron	610.0
Lead	<5.0
Magnesium	53.1
Manganese	<5.0
Mercury	<0.1
Nickel	<5.0
Potassium	1000.0
Selenium	<1.0
Silver	<5.0
Sodium	55800.0
Thallium	<5.0
Vanadium	<1.0
Zinc	<5.0

TCLP Results 2-J Sample ID: 674-D03
Lab ID: 8644003

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
D018	Benzene	0.50	0.05	ND
D006	Cadmium	1.0	0.1	0.60
D019	Carbon tetrachloride	0.50	0.05	ND
D020	Chlordane	0.03	0.003	ND
D021	Chlorobenzene	100.0	10	ND
D022	Chloroform	6.0	0.6	ND
D007	Chromium	5.0	0.5	ND
D023	o-Cresol	200	20	ND
D024	m-Cresol	200	20	ND
D025	p-Cresol	200	20	ND
D026	Cresol	200	20	ND
D016	2,4-D	10.0	1	ND
D027	1,4-Dichlorobenzene	7.5	0.75	ND
D028	1,2-Dichloroethane	0.5	0.05	ND
D029	1,1-Dichloroethylene	0.7	0.07	ND
D030	2,4-Dinitrotoluene	0.13	0.013	ND
D012	Endrin	0.02	0.002	ND
D031	Heptachlor(and its hydroxide)	0.008	0.004	ND
D032	Hexachlorobenzene	0.13	0.013	ND
D033	Hexachloro-1,3-butadiene	0.5	0.05	ND
D034	Hexachloroethane	3.0	0.3	ND
D008	Lead	5.0	0.5	ND
D013	Lindane	0.4	0.04	ND
D009	Mercury	0.2	0.02	ND
D014	Methoxychlor	10.0	1	ND
D035	Methyl ethyl ketone	200.0	20	ND
D036	Nitrobenzene	2.0	0.2	ND
D037	Pentachlorophenol	100.0	10	ND
D038	Pyridine	5.0	0.5	ND
D010	Selenium	1.0	0.1	ND
D011	Silver	5.0	0.5	ND
D039	Tetrachloroethylene	0.7	0.07	ND
D015	Toxaphene	0.5	0.05	ND
D040	Trichloroethylene	0.5	0.05	ND
D041	2,4,5-Trichlorophenol	400.0	40	ND
D042	2,4,6-Trichlorophenol	2.0	0.2	ND
D017	2,4,5-TP (Silvex)	1.0	0.1	ND
D043	Vinyl chloride	0.20	0.02	ND
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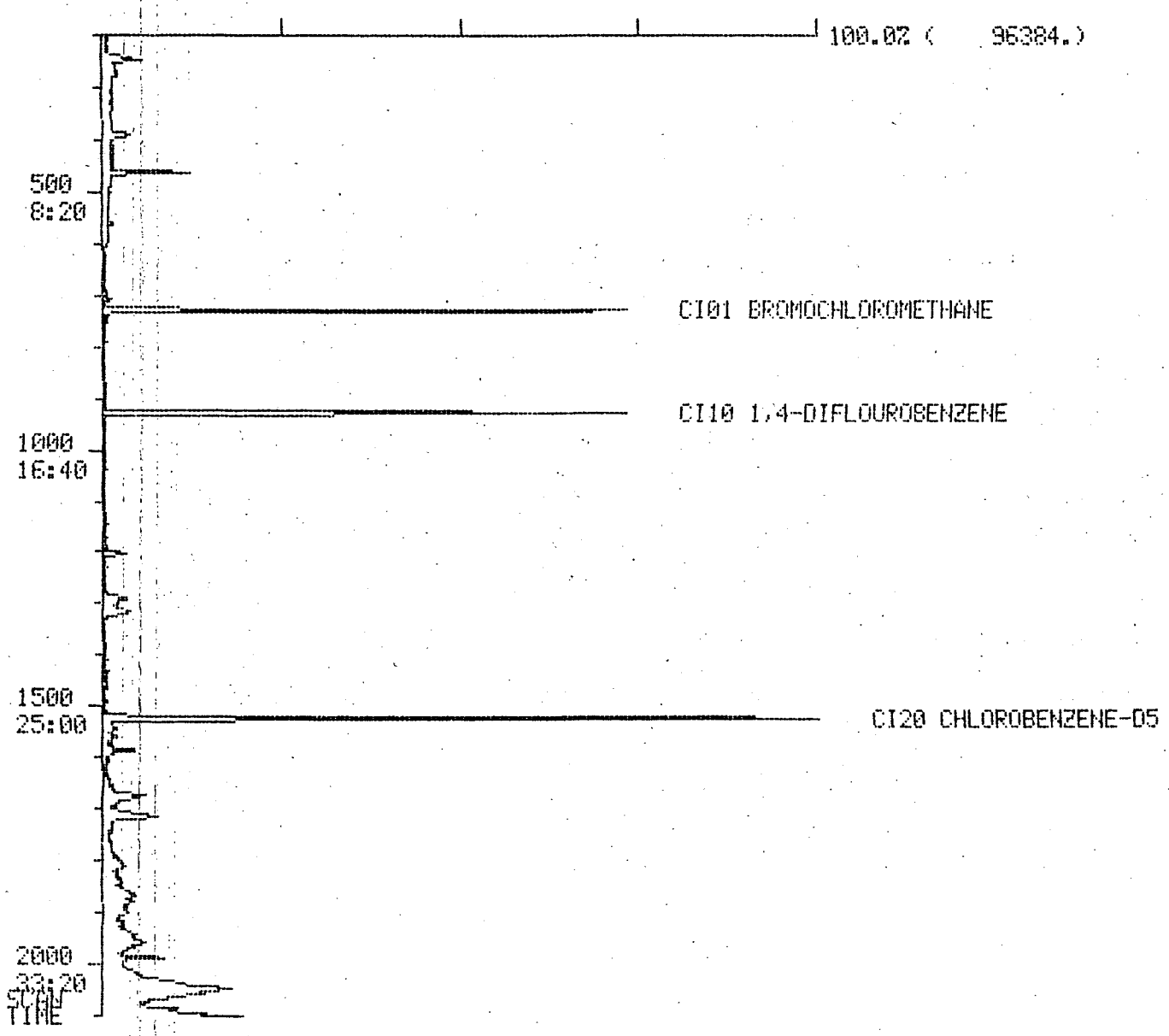
--				

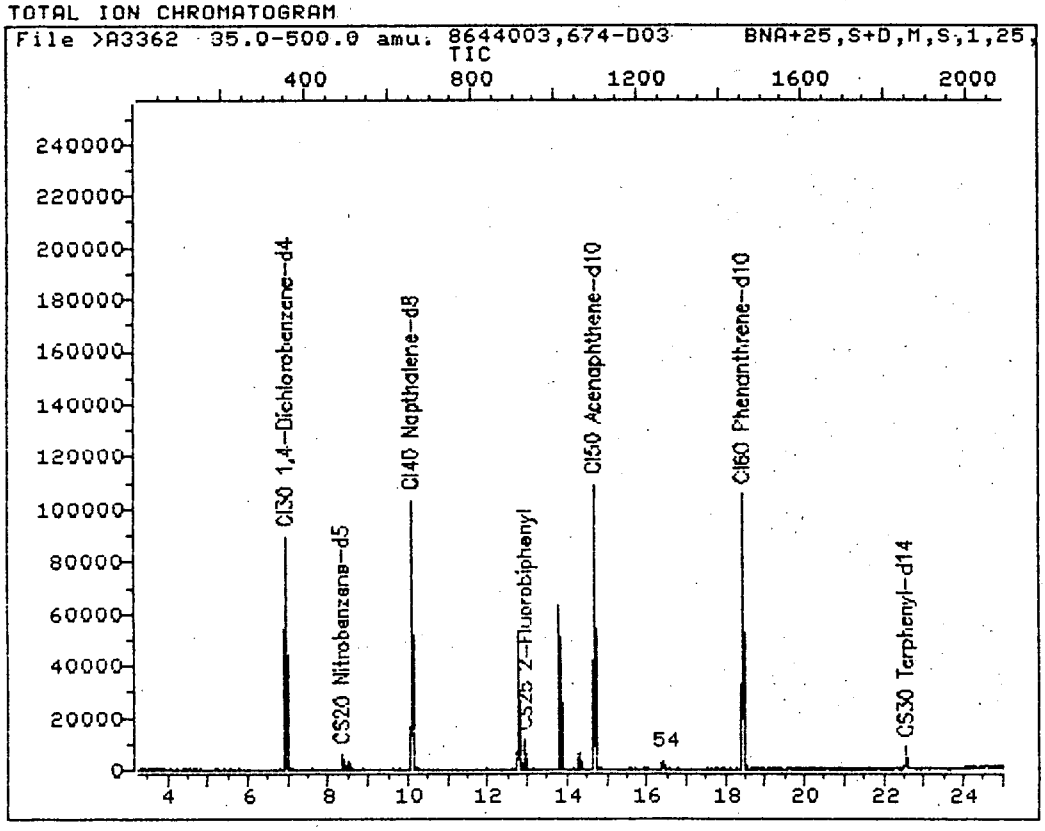
ND = None Detected

DATA FROM FILE: G2673 SCANS 200 TO 2100 ACQUIRED: 06/20/91 21:24:00
CALI: G2673 #2
SAMPLE: S&D ENVIRONMENTAL 8644003/674-D03, REC'D 6/13/91
CONDS.: 2UL(4G/10MLS)/5MLS,INST.G



00054

TOTAL ION CHROMATOGRAM



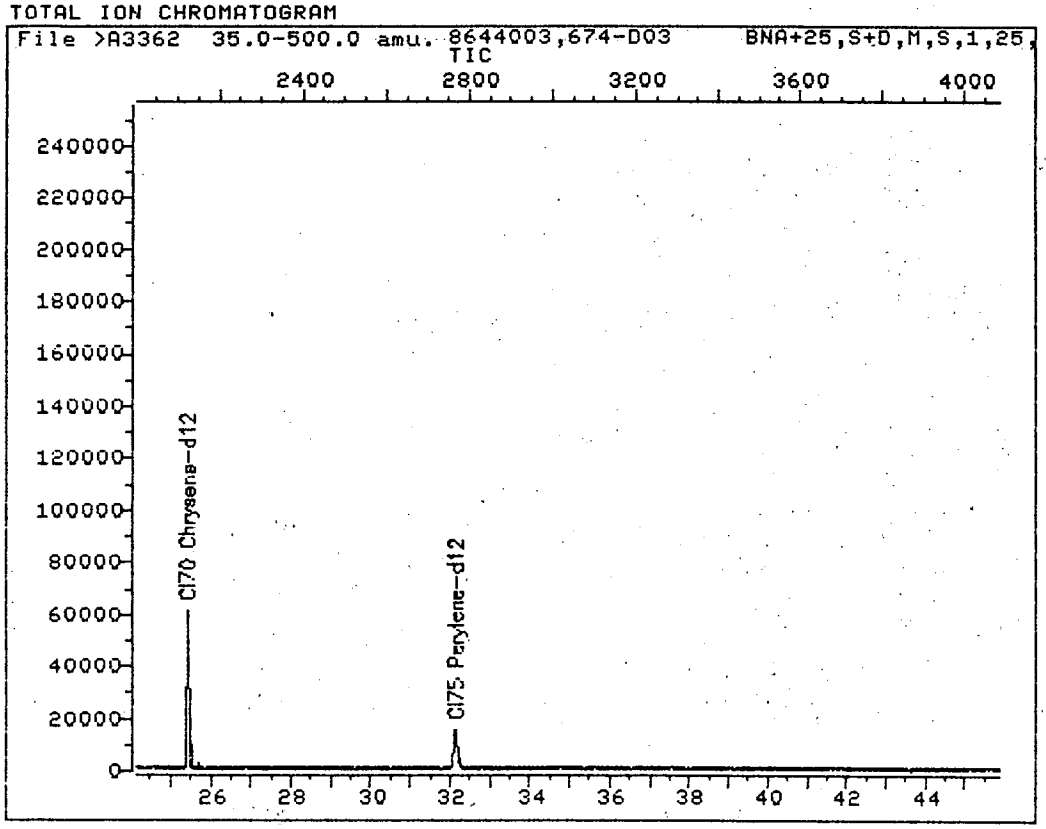
Data File: >A3362::D2 Quant Output File: ^A3362::QT
Name: 8644003,674-D03
Misc: BNA+25,S+D,M,S,1,25,D25,,R6/13,E6/18,INST:A BTL#47

Id File: CLPA1::SC
Title: ACID,BASE & NEUTRALS CLP COMPOUNDS
Last Calibration: 910621 09:14

Operator ID: NYTEST1
Quant Time: 910621 13:46
Injected at: 910621 12:57

TIC page 1 of 2

TOTAL ION CHROMATOGRAM



Data File: >A3362::D2 Quant Output File: ^A3362::QT
Name: 8644003,674-D03
Misc: BNA+25,S+D,M,S,1,25,D25,,R6/13,E6/18,INST:A BTL#47

Id File: CLPA1::SC
Title: ACID,BASE & NEUTRALS CLP COMPOUNDS
Last Calibration: 910621 09:14

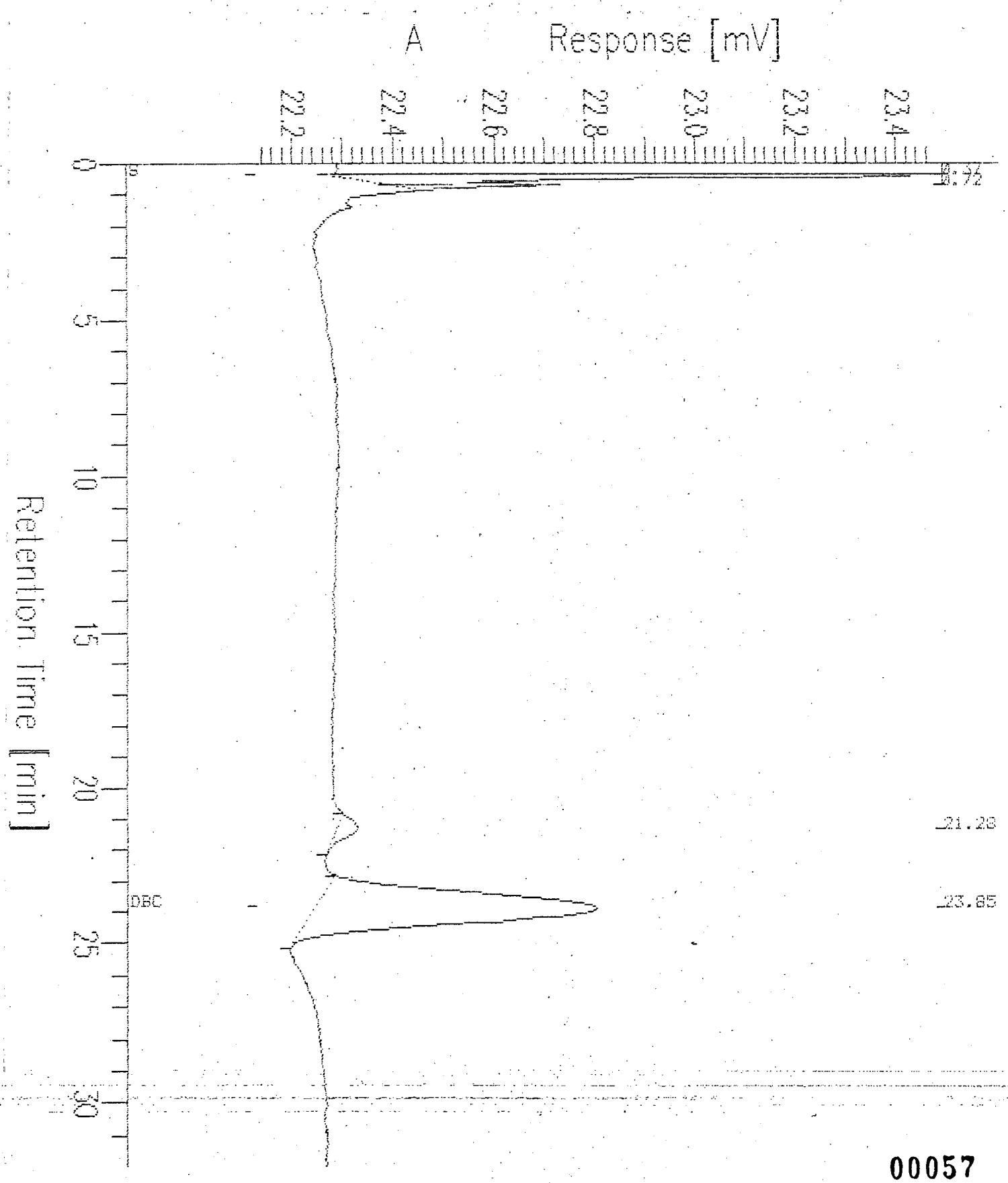
Operator ID: NYTEST1
Quant Time: 910621 13:46
Injected at: 910621 12:57

TIC page 2 of 2

STD Chromatogram N8644003 674-D03

FileName : C:\2700\DATA1\b06g008.raw
Date : 06/27/91 03:23 PM

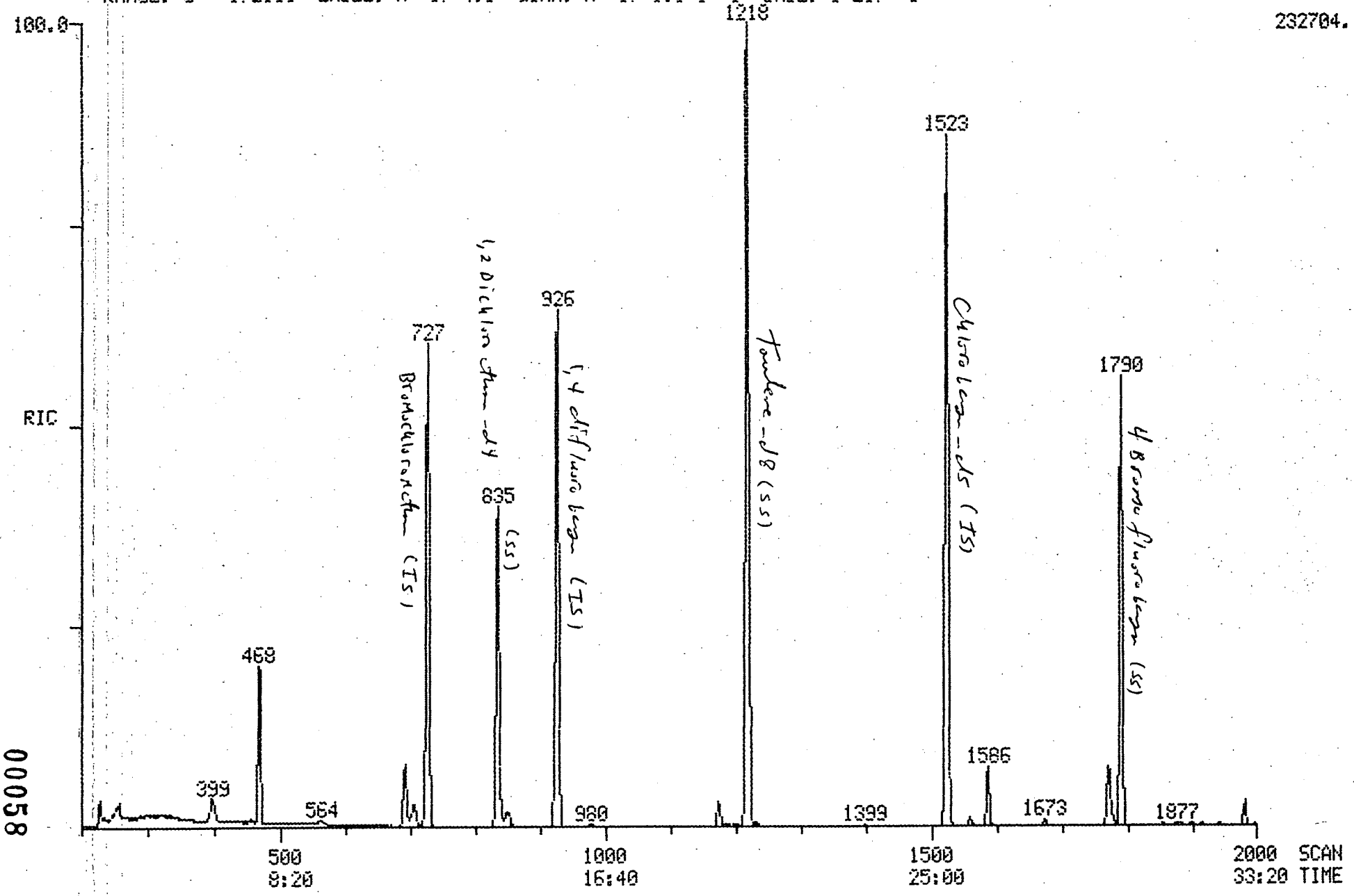
Start Time : 0.00 min
End Time : 32.00 min
Low Point : 22.13 mV
High Point : 23.48 mV
Scale Factor: 1
Plot Offset: 22 mV
Plot Scale: 1 mV



RIC
06/25/91 13:06:00
SAMPLE: S&D ENV.,674003/8644003,REC'D 6/13/91
CONDS.: 100UL/5MLS,INST.G(TCLP)
RANGE: G 1,2100 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3

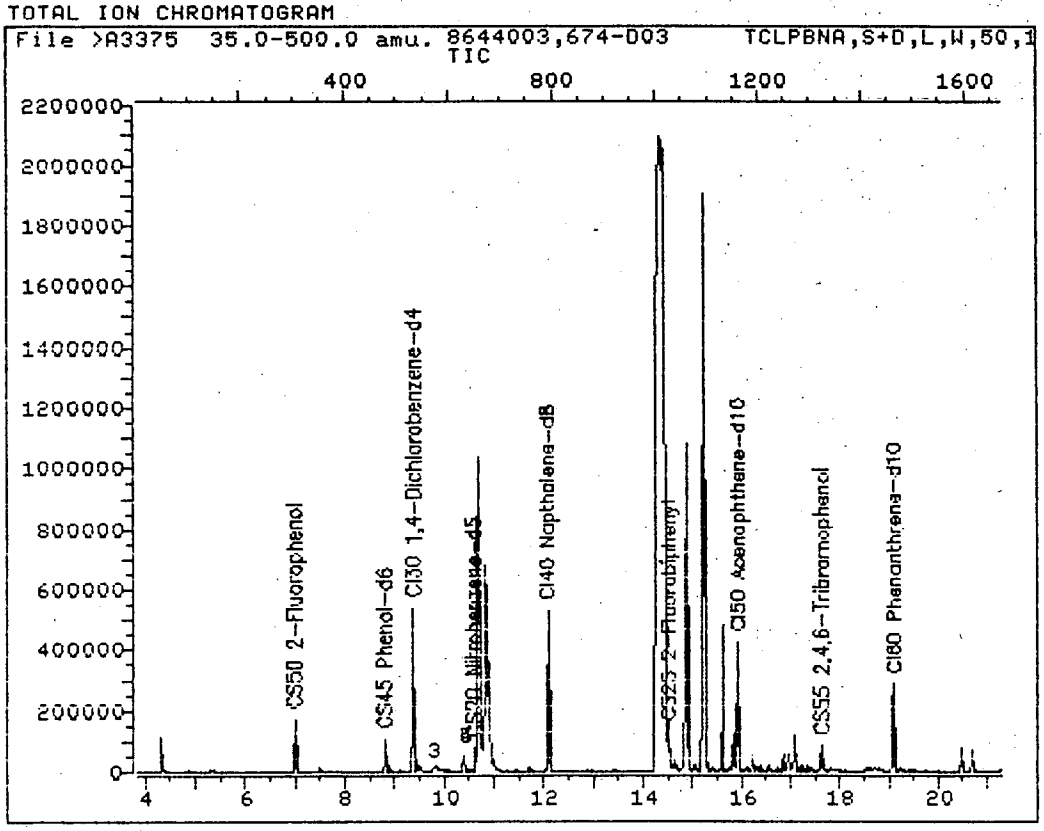
DATA: G2702 #1
CALI: G2702 #2

SCANS 200 TO 2000



00058

TOTAL ION CHROMATOGRAM



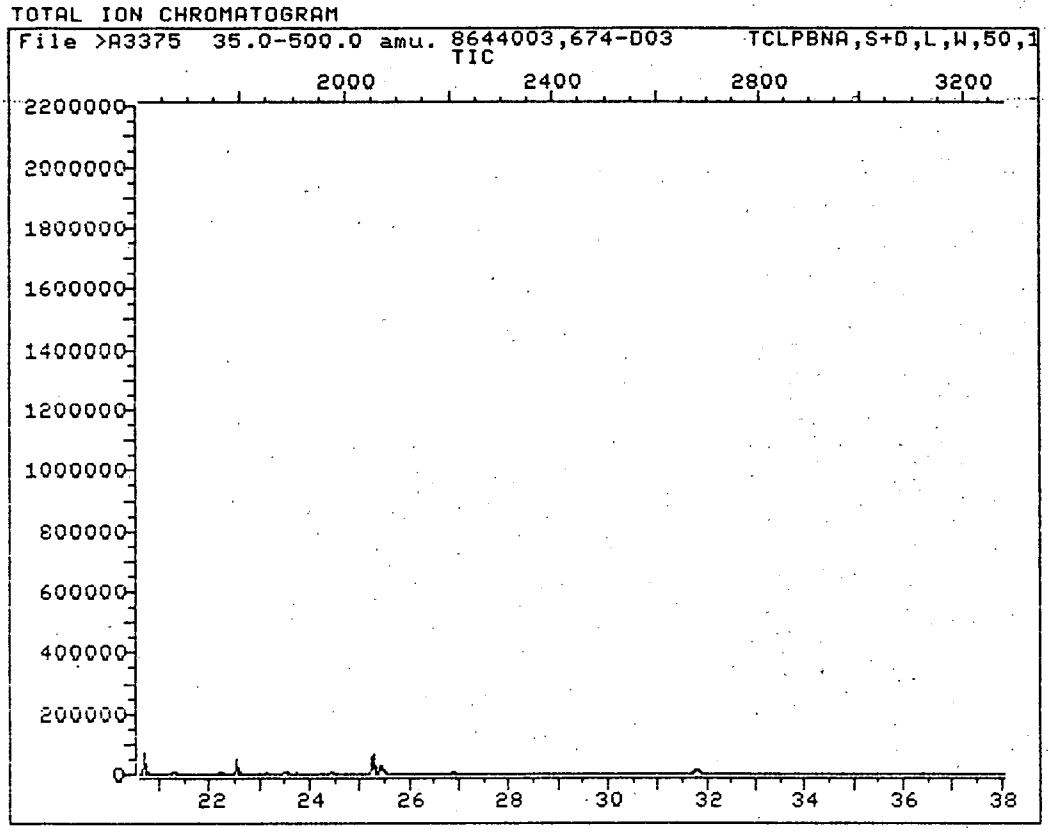
Data File: >A3375::D2 Quant Output File: ^A3375::QT
Name: 8644003,674-D03
Misc: TCLPBNA,S+D,L,W,50,1,D5,,R6/13,E6/19,INST:A,#1,(s+d) BTL#58

Id File: TCLPA::AQ
Title: ACID,BASE & NEUTRALS CLP COMPOUNDS
Last Calibration: 910624 07:29

Operator ID: NYTEST1
Quant Time: 910624 09:00
Injected at: 910621 22:43

TIC page 1 of 2

TOTAL ION CHROMATOGRAM



Data File: >A3375::D2 Quant Output File: ^A3375::QT
Name: 8644003,674-D03
Misc: TCLPBNA,S+D,L,W,50,1,D5,,R6/13,E6/19,INST:A,#1,(s+d) BTL#58

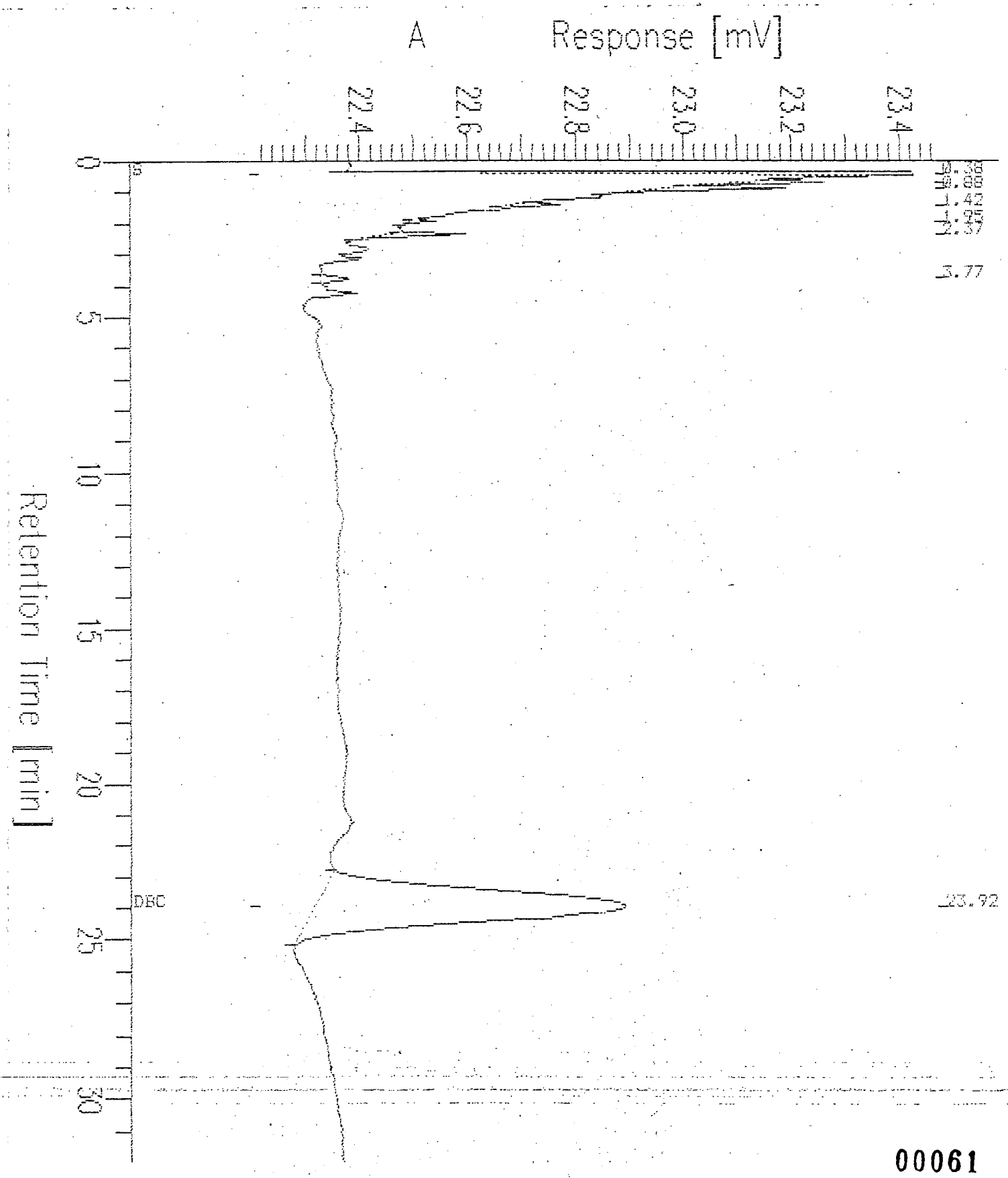
Id File: TCLPA::AQ
Title: ACID,BASE & NEUTRALS CLP COMPOUNDS
Last Calibration: 910624 07:29

Operator ID: NYTEST1
Quant Time: 910624 09:00
Injected at: 910621 22:43

TIC page 2 of 2

STD Chromatogram N8644003 674-D03

FileName : C:\2700\DATA1\b06g020.raw
Date : 06/27/91 03:38 PM
Page 1 of 1
Start Time : 0.00 min
End Time : 32.00 min
Low Point : 22.21 mV
High Point : 23.47 mV
Scale Factor: 1
Plot Offset: 22 mV
Plot Scale: 1 mV

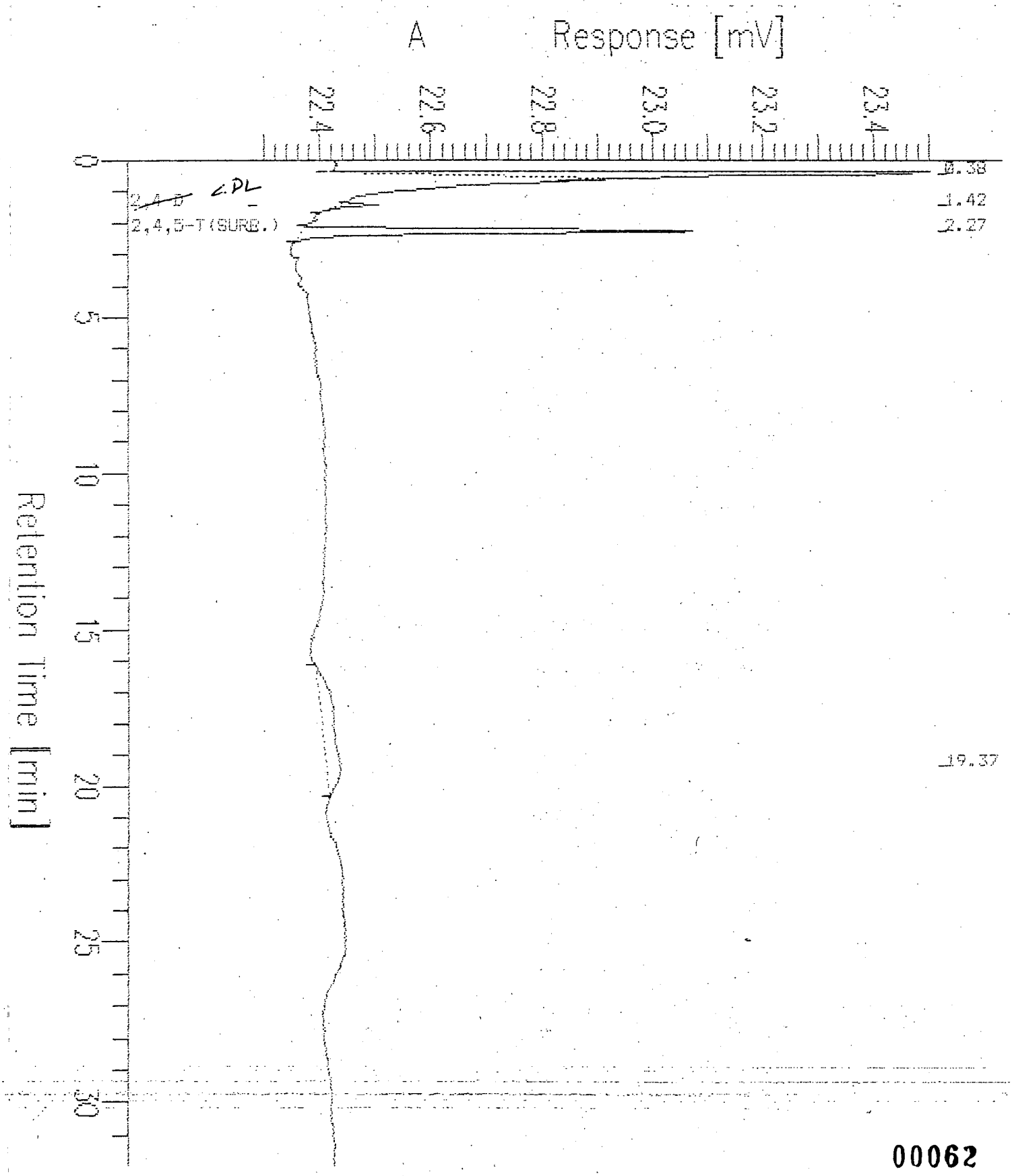


00061

STD Chromatogram N8644003 674-D03

FileName : C:\2700\DATA1\b06q032.raw
Start Time : 0.00 min End Time : 32.00 min
Scale Factor: 1 Plot Offset: 22 mV

Date : 06/27/91 04:04 PM
Low Point : 22.29 mV High Point : 23.52 mV
Plot Scale: 1 mV



00062

1A-P

NYTEST ENVIRONMENTAL INC.

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE MATRIX: SOIL
CONC. LEVEL: MED
ANALYSIS DATE: 6/20/91

SAMPLE ID: 674-D04
LAB ID: 8644004
DIL FACTOR: 1.00
% MOISTURE: NA

CMPD #	CAS Number	VOLATILE COMPOUNDS	UG/KG
1	74-87-3	Chloromethane	1250.0 U.
2	74-83-9	Bromomethane	1250.0 U.
3	75-01-4	Vinyl Chloride	1250.0 U.
4	75-00-3	Chloroethane	1250.0 U.
5	75-09-2	Methylene Chloride	270.0 JB
6	67-64-1	2-Propanone	1250.0 U.
7	75-15-0	Carbon disulfide	625.0 U.
8	75-35-4	1,1-Dichloroethene	625.0 U.
9	75-34-3	1,1-Dichloroethane	625.0 U.
10	540-59-0	1,2-Dichloroethene (total)	625.0 U.
11	67-66-3	Chloroform	625.0 U.
12	107-06-2	1,2-Dichloroethane	625.0 U.
13	78-93-3	2-Butanone	1250.0 U.
14	71-55-6	1,1,1-Trichloroethane	625.0 U.
15	56-23-5	Carbon Tetrachloride	625.0 U.
16	108-05-4	Vinyl Acetate	1250.0 U.
17	75-27-4	Bromodichloromethane	625.0 U.
18	78-87-5	1,2-Dichloropropane	625.0 U.
19	10061-01-5	cis-1,3-Dichloropropene	625.0 U.
20	79-01-6	Trichloroethene	625.0 U.
21	124-48-1	Dibromochloromethane	625.0 U.
22	79-00-5	1,1,2-Trichloroethane	625.0 U.
23	71-43-2	Benzene	625.0 U.
24	10061-02-6	Trans-1,3-Dichloropropene	625.0 U.
25	75-25-2	Bromoform	625.0 U.
26	108-10-1	4-Methyl-2-Pentanone	610.0 J.
27	591-78-6	2-Hexanone	1250.0 U.
28	127-18-4	Tetrachloroethene	625.0 U.
29	79-34-5	1,1,2,2-Tetrachloroethane	625.0 U.
30	108-88-3	Toluene	625.0 U.
31	108-90-7	Chlorobenzene	625.0 U.
32	100-41-4	Ethylbenzene	625.0 U.
33	100-42-5	Styrene	625.0 U.
34	1330-20-7	Xylene (total)	310.0 J.
35	107-02-8	Acrolein	12500.0 U.
36	107-13-1	Acrylonitrile	12500.0 U.
37	110-75-8	2-Chloroethylvinylether	1250.0 U.
38		Dichlorodifluoromethane	1250.0 U.
39		Dichlorobenzene (total)	3750.0 U.
40			
41			

1B-P

NYTEST ENVIRONMENTAL INC.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE MATRIX: SOIL
CONC. LEVEL: MED
EXTRACTION DATE: 6/18/91
ANALYSIS DATE: 6/21/91

SAMPLE ID: 674-D04
LAB ID: 8644004
DIL FACTOR: 20.00
% MOISTURE: NA

CMPD #	CAS Number	BASE NEUTRAL COMPOUNDS	UG/KG
1	111-44-4	bis(2-Chloroethyl)ether	396000.0 U.
2	541-73-1	1,3-Dichlorobenzene	396000.0 U.
3	106-46-7	1,4-Dichlorobenzene	396000.0 U.
4	95-50-1	1,2-Dichlorobenzene	396000.0 U.
5	39638-32-9	bis(2-chloroisopropyl)ether	396000.0 U.
6	621-64-7	N-Nitroso-Di-n-Propylamine	396000.0 U.
7	67-72-1	Hexachloroethane	396000.0 U.
8	98-95-3	Nitrobenzene	396000.0 U.
9	78-59-1	Isophorone	396000.0 U.
10	111-91-1	bis(2-chloroethoxy)Methane	396000.0 U.
11	120-82-1	1,2,4-Trichlorobenzene	396000.0 U.
12	106-47-8	4-Chloroaniline	396000.0 U.
13	87-68-3	Hexachlorobutadiene	396000.0 U.
14	91-57-6	2-Methylnaphthalene	396000.0 U.
15	77-47-4	Hexachlorocyclopentadiene	396000.0 U.
16	91-58-7	2-Chloronaphthalene	396000.0 U.
17	88-74-4	2-Nitroaniline	2000000.0 U.
18	131-11-3	Dimethyl Phthalate	396000.0 U.
19	99-09-2	3-Nitroaniline	2000000.0 U.
20	132-64-9	Dibenzofuran	396000.0 U.
21	121-14-2	2,4-Dinitrotoluene	396000.0 U.
22	606-20-2	2,6-Dinitrotoluene	396000.0 U.
23	84-66-2	Diethylphthalate	396000.0 U.
24	7005-72-3	4-Chlorophenyl-phenylether	396000.0 U.
25	100-01-6	4-Nitroaniline	2000000.0 U.
26	86-30-6	N-Nitrosodiphenylamine	396000.0 U.
27	101-55-3	4-Bromophenyl-phenylether	396000.0 U.
28	118-74-1	Hexachlorobenzene	396000.0 U.
29	84-74-2	Di-n-Butylphthalate	396000.0 U.
30	85-68-7	Butylbenzylphthalate	396000.0 U.
31	91-94-1	3,3'-Dichlorobenzidine	800000.0 U.
32	117-81-7	bis(2-Ethylhexyl)Phthalate	396000.0 U.
33	11784-0	Di-n-Octyl Phthalate	396000.0 U.
34	62-75-9	N-Nitrosodimethylamine	396000.0 U.
35	62-53-3	Aniline	396000.0 U.
36	92-87-5	Benzidine	3170000.0 U.
37		Dioxin (Screen)	ND
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CMPD #	CAS Number	BASE NEUTRAL/PAH COMPOUNDS	UG/KG
42	91-20-3	Naphthalene	396000.0 U.
43	208-96-8	Acenaphthylene	396000.0 U.
44	83-32-9	Acenaphthene	396000.0 U.
45	86-73-7	Fluorene	396000.0 U.
46	85-01-8	Phenanthrene	396000.0 U.
47	120-12-7	Anthracene	396000.0 U.
48	206-44-0	Fluoranthene	396000.0 U.
49	129-00-0	Pyrene	396000.0 U.
50	56-55-3	Benzo(a)Anthracene	396000.0 U.
51	218-01-9	Chrysene	396000.0 U.
52	205-99-2	Benzo(b)Fluoranthene	396000.0 U.
53	207-08-9	Benzo(k)Fluoranthene	396000.0 U.
54	50-32-8	Benzo(a)Pyrene	396000.0 U.
55	193-39-5	Indeno(1,2,3-cd)Pyrene	396000.0 U.
56	53-70-3	Dibenz(a,h)Anthracene	396000.0 U.
57	191-24-2	Benzo(g,h,i)Perylene	396000.0 U.
58			
59			
60			
		ACID COMPOUNDS	
61	108-95-2	Phenol	396000.0 U.
62	95-57-8	2-Chlorophenol	396000.0 U.
63	100-51-6	Benzyl Alcohol	396000.0 U.
64	95-48-7	2-Methylphenol	396000.0 U.
65	106-44-5	4-Methylphenol	396000.0 U.
66	88-75-5	2-Nitrophenol	396000.0 U.
67	105-67-9	2,4-Dimethylphenol	396000.0 U.
68	65-85-0	Benzoic Acid	7600000.0 T.
69	120-83-2	2,4-Dichlorophenol	396000.0 U.
70	59-50-7	4-Chloro-3-Methylphenol	396000.0 U.
71	88-6-2	2,4,6-Trichlorophenol	396000.0 U.
72	95-95-4	2,4,5-Trichlorophenol	2000000.0 U.
73	51-28-5	2,4-Dinitrophenol	2000000.0 U.
74	100-02-7	4-Nitrophenol	2000000.0 U.
75	534-52-1	4,6-Dinitro-2-Methylphenol	2000000.0 U.
76	87-86-5	Pentachlorophenol	2000000.0 U.
77			
78			
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80			

1C

NYTEST ENVIRONMENTAL INC.

TENTATIVELY IDENTIFIED ORGANICS COMPOUND

SAMPLE ID: 674-D04

OF TIC FOUND: 3

LAB ID: 8644004

MATRIX: SOIL

FRACTION: VOA

CAS Number	Compound Name	RT	Estimated Concentration UG/KG
1	UNKNOWN HYDROCARBON	4:23	200 J
2	UNKNOWN HYDROCARBON	32:04	1300 J
3	TRIMETHYL BENZENE ISOMER	33:14	2200 J
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1C

NYTEST ENVIRONMENTAL INC.

TENTATIVELY IDENTIFIED ORGANICS COMPOUND

SAMPLE ID: 674-D04

OF TIC FOUND: 4

LAB ID: 8644004

MATRIX: SOIL

FRACTION: BNA

CAS Number	Compound Name	RT	Estimated Concentration UG/KG
1	UNKNOWN	12.18	870000 J
2	SUBSTITUTED ANTHRACENECLIONE	20.55	8500000 J
3	SUBSTITUTED ANTHRACENECLIONE	23.06	12000000 J
4	UNKNOWN	23.67	97000 J
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1 D-T

NYTEST ENVIRONMENTAL INC.

TCL PESTICIDE/PCB ORGANICS ANALYSIS DATA SHEET

SAMPLE MATRIX:	SOIL	SAMPLE ID:	674-D04
CONC. LEVEL:	MED	LAB SAMPLE ID:	8644004
EXTRACTION DATE:	6/18/91	DIL FACTOR:	1.00
ANALYSIS DATE:	6/26/91	% MOISTURE:	NA

CMPD #	CAS Number	PESTICIDE/PCB COMPOUND	UG/KG
1	319-84-6	Alpha-BHC	120.000 U.
2	319-85-7	Beta-BHC	120.000 U.
3	319-86-8	Delta-BHC	120.000 U.
4	58-89-9	Gamma-BHC(Lindane)	120.000 U.
5	76-44-8	Heptachlor	120.000 U.
6	309-00-2	Aldrin	120.000 U.
7	1024-57-3	Heptachlor Epoxide	120.000 U.
8	959-98-8	Endosulfan I	120.000 U.
9	60-57-1	Dieldrin	240.000 U.
10	72-55-9	4,4'-DDE	240.000 U.
11	70-20-8	Endrin	240.000 U.
12	33213-65-9	Endosulfan II	240.000 U.
13	72-54-8	4,4-DDD	240.000 U.
14	1031-07-8	Endosulfan Sulfate	240.000 U.
15	50-29-3	4,4'-DDT	240.000 U.
16	53494-70-5	Endrin Ketone	240.000 U.
17	72-43-5	Methoxychlor	1200.000 U.
18	57-74-9	Chlordane	1200.000 U.
19	8001-35-2	Toxaphene	2400.000 U.
20	12674-11-2	Aroclor-1016	1200.000 U.
21	11104-28-2	Aroclor-1221	1200.000 U.
22	11141-16-5	Aroclor-1232	1200.000 U.
23	53469-21-9	Aroclor-1242	1200.000 U.
24	12672-29-6	Aroclor-1248	1200.000 U.
25	11097-69-1	Aroclor-1254	2400.000 U.
26	11096-82-5	Aroclor-1260	2400.000 U.

nytest environmental inc.

Sample Identification and Results

Log In No: 8644

Sample No: 674-D01
Lab Sample ID No: 8644004

Results in mg/kg:

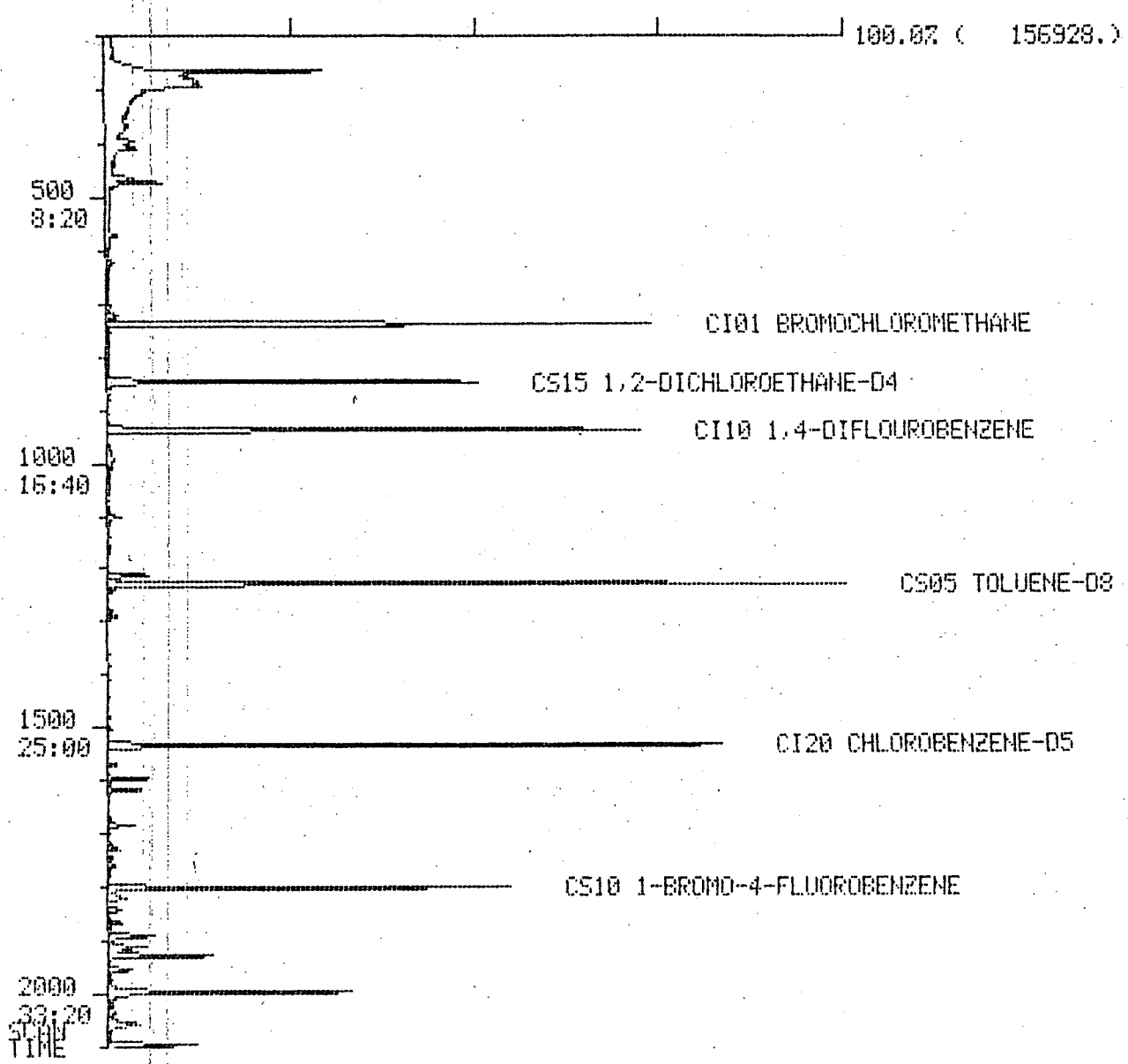
TCL Metals	Found
Aluminum	313.0
Antimony	<5.0
Arsenic	3.16
Barium	16.6
Beryllium	<1.0
Cadmium	<1.0
Calcium	228.0
Chromium	<5.0
Cobalt	<5.0
Copper	<5.0
Iron	2690.0
Lead	27.8
Magnesium	105.0
Manganese	23.7
Mercury	<0.1
Nickel	196.0
Potassium	118.0
Selenium	<1.0
Silver	<5.0
Sodium	186.0
Thallium	<5.0
Vanadium	<1.0
Zinc	16100.0

TCLP Results 2-J Sample ID: 674-D04
Lab ID: 8644004

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
D018	Benzene	0.50	0.05	ND
D006	Cadmium	1.0	0.1	ND
D019	Carbon tetrachloride	0.50	0.05	ND
D020	Chlordane	0.03	0.003	ND
D021	Chlorobenzene	100.0	10	ND
D022	Chloroform	6.0	0.6	ND
D007	Chromium	5.0	0.5	ND
D023	o-Cresol	200	20	ND
D024	m-Cresol	200	20	ND
D025	p-Cresol	200	20	ND
D026	Cresol	200	20	ND
D016	2,4-D	10.0	1	ND
D027	1,4-Dichlorobenzene	7.5	0.75	ND
D028	1,2-Dichloroethane	0.5	0.05	ND
D029	1,1-Dichloroethylene	0.7	0.07	ND
D030	2,4-Dinitrotoluene	0.13	0.013	ND
D012	Endrin	0.02	0.002	ND
D031	Heptachlor(and its hydroxide)	0.008	0.004	ND
D032	Hexachlorobenzene	0.13	0.013	ND
D033	Hexachloro-1,3-butadiene	0.5	0.05	ND
D034	Hexachloroethane	3.0	0.3	ND
D008	Lead	5.0	0.5	ND
D013	Lindane	0.4	0.04	ND
D009	Mercury	0.2	0.02	ND
D014	Methoxychlor	10.0	1	ND
D035	Methyl ethyl ketone	200.0	20	ND
D036	Nitrobenzene	2.0	0.2	ND
D037	Pentachlorophenol	100.0	10	ND
D038	Pyridine	5.0	0.5	ND
D010	Selenium	1.0	0.1	ND
D011	Silver	5.0	0.5	ND
D039	Tetrachloroethylene	0.7	0.07	ND
D015	Toxaphene	0.5	0.05	ND
D040	Trichloroethylene	0.5	0.05	ND
D041	2,4,5-Trichlorophenol	400.0	40	ND
D042	2,4,6-Trichlorophenol	2.0	0.2	ND
D017	2,4,5-TP (Silvex)	1.0	0.1	ND
D043	Vinyl chloride	0.20	0.02	ND
--				
--				
--				

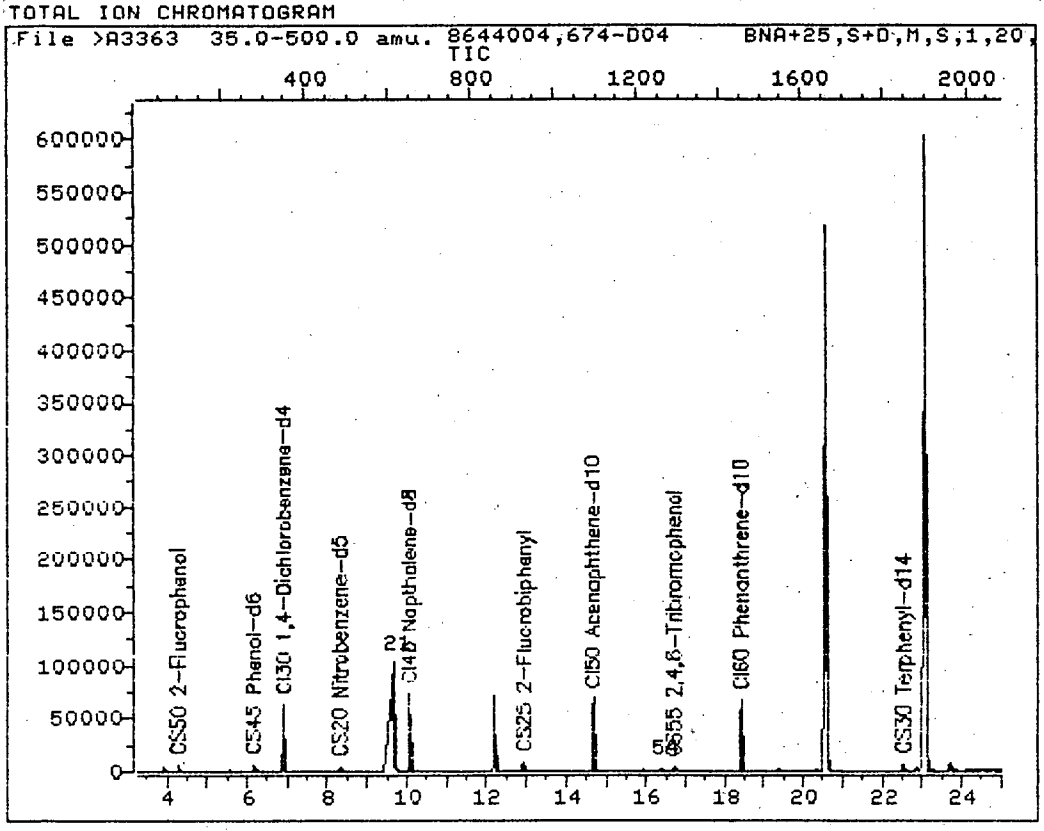
ND = None Detected

DATA FROM FILE: G2665 2413 SCANS 200 TO 2100 ACQUIRED: 06/20/91 15:41:00
CALI: G2665 #2
SAMPLE: S&D ENVIRONMENTAL 8604004/674-D04, REC'D 6/13/91
CONDS.: 100UL(4G/10MLS)/5MLS,INST.G



00070

TOTAL ION CHROMATOGRAM



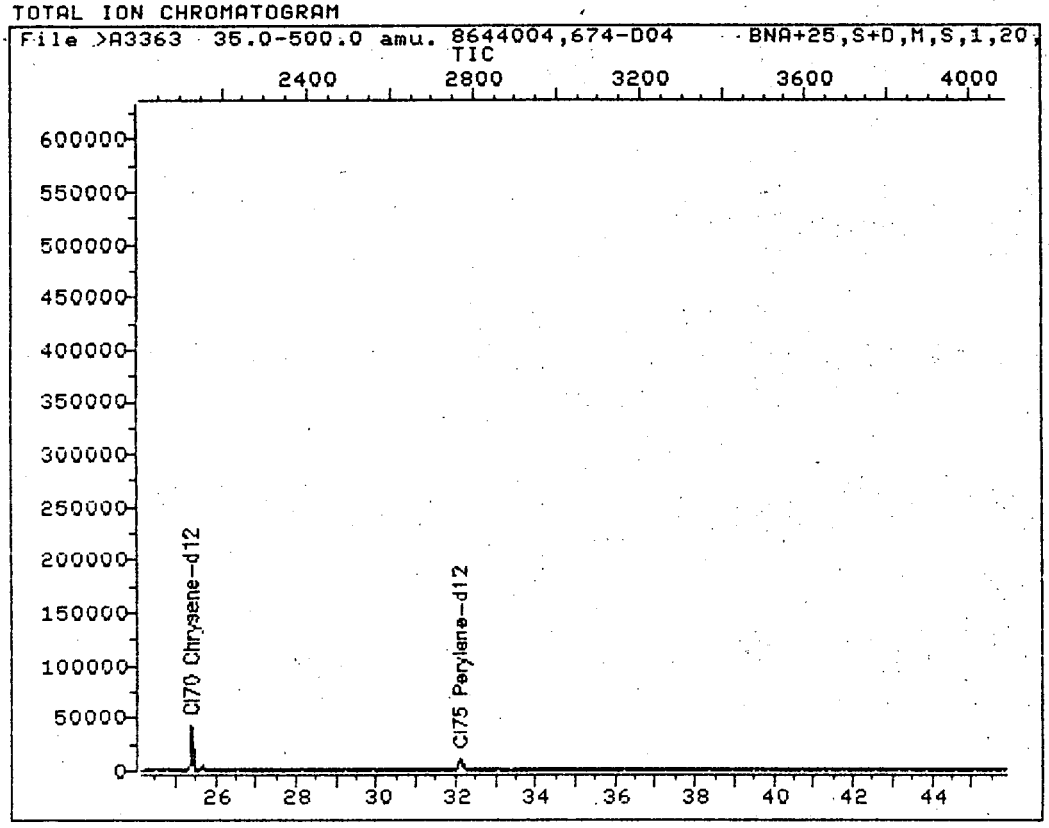
Data File: >A3363::D2 Quant Output File: ^A3363::QT
Name: 8644004,674-D04
Misc: BNA+25,S+D,M,S,1,20,D20,,R6/13,E6/18,INST:A BTL#48

Id File: CLPA1::SC
Title: ACID,BASE & NEUTRALS CLP COMPOUNDS
Last Calibration: 910621 09:14

Operator ID: NYTEST1
Quant Time: 910621 14:38
Injected at: 910621 13:49

TIC page 1 of 2

TOTAL ION CHROMATOGRAM



Data File: >A3363::D2 Quant Output File: ^A3363::QT
Name: 8644004,674-D04
Misc: BNA+25,S+D,M,S,1,20,D20,,R6/13,E6/18,INST:A BTL#48

Id File: CLPA1::SC
Title: ACID,BASE & NEUTRALS CLP COMPOUNDS
Last Calibration: 910621 09:14

Operator ID: NYTEST1
Quant Time: 910621 14:38
Injected at: 910621 13:49

TIC page 2 of 2

Std

Chromatogram N8644004 674-D04

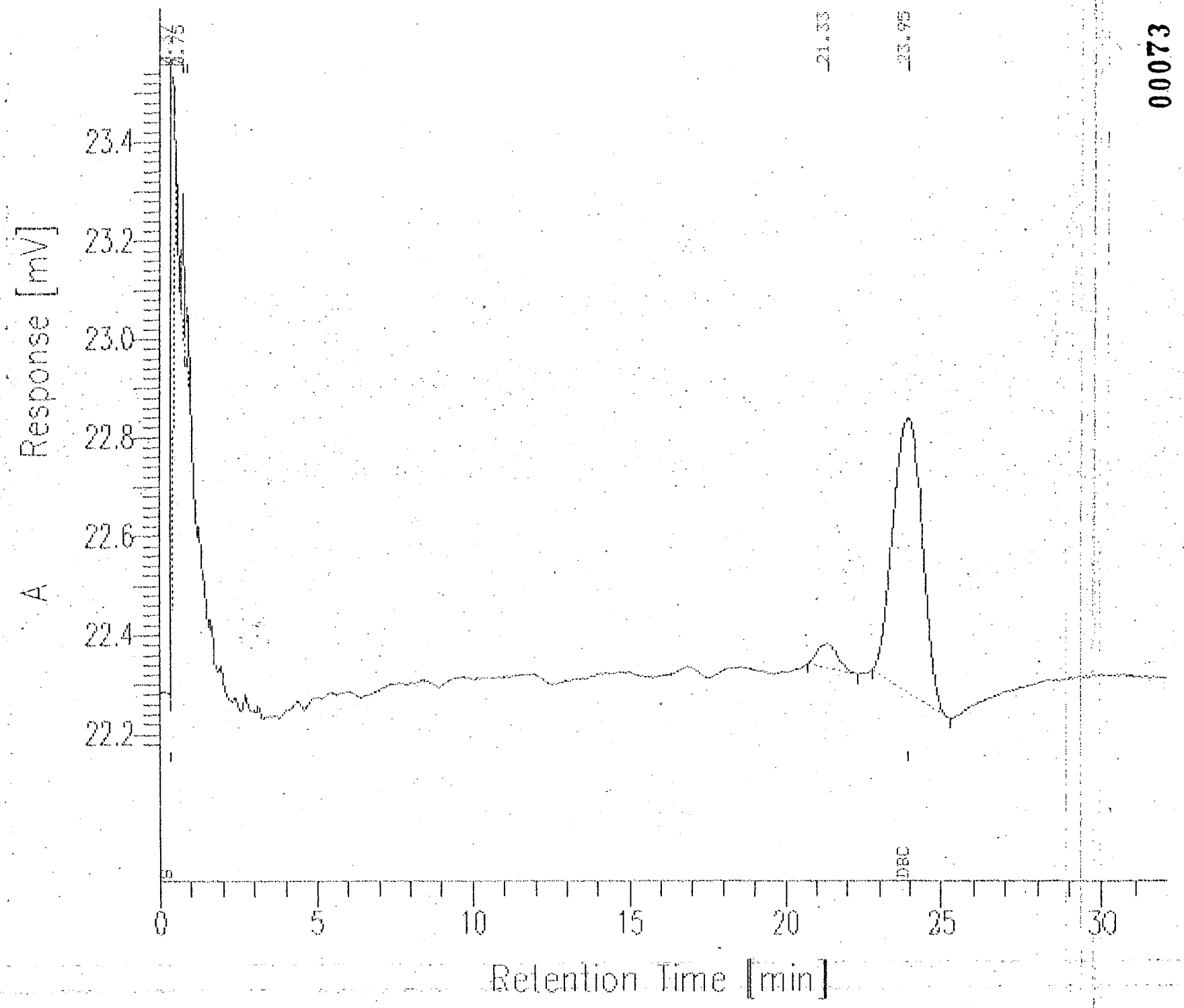
FileName : C:\2700\DATA\1\06q009.raw
Start Time : 0.00 min
Scale Factor: 1

End Time : 32.00 min
Plot Offset: 22 mV

Date : 06/27/91 03:24 PM
Low Point : 22.16 mV
Plot Scale: 1 mV

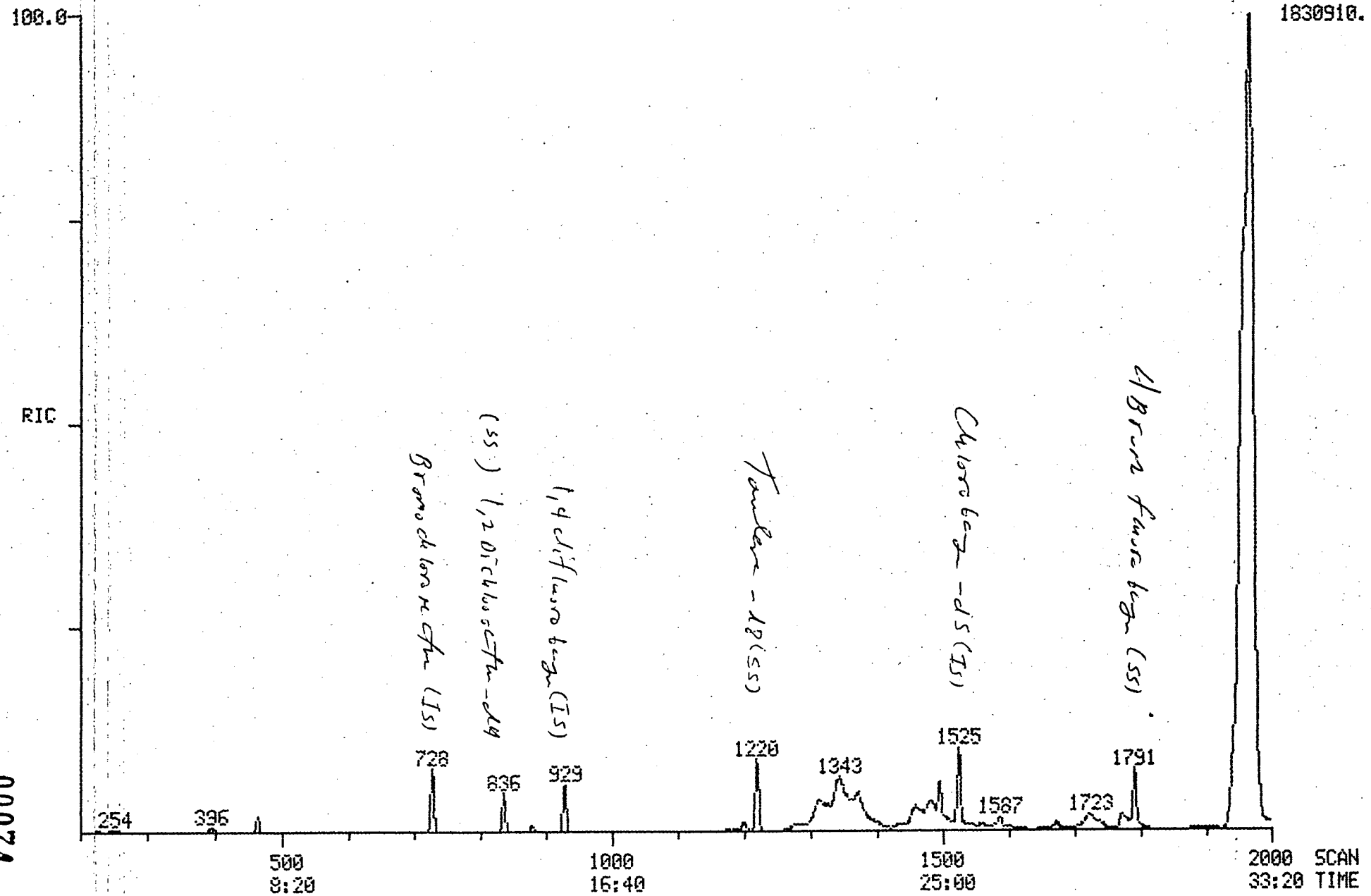
High Point : 23.54 mV

Page 1 of 1



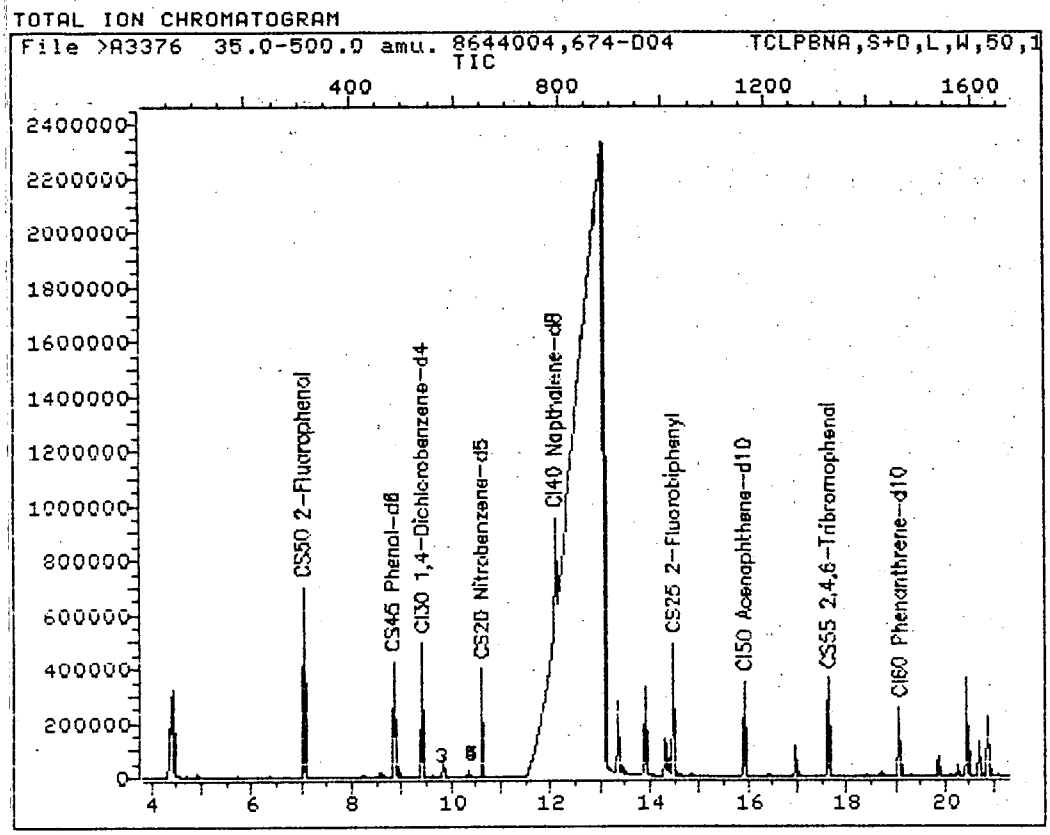
00073

RIC DATA: G2703 #1 SCANS 200 TO 2000
06/25/91 13:59:00 CALI: G2703 #2
SAMPLE: S&D ENV.,674-D04/8644004,REC'D 6/13/91
CONDS.: 1/5MLS,INST.G(TCLP)
RANGE: G 1,2100 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3



00074

TOTAL ION CHROMATOGRAM



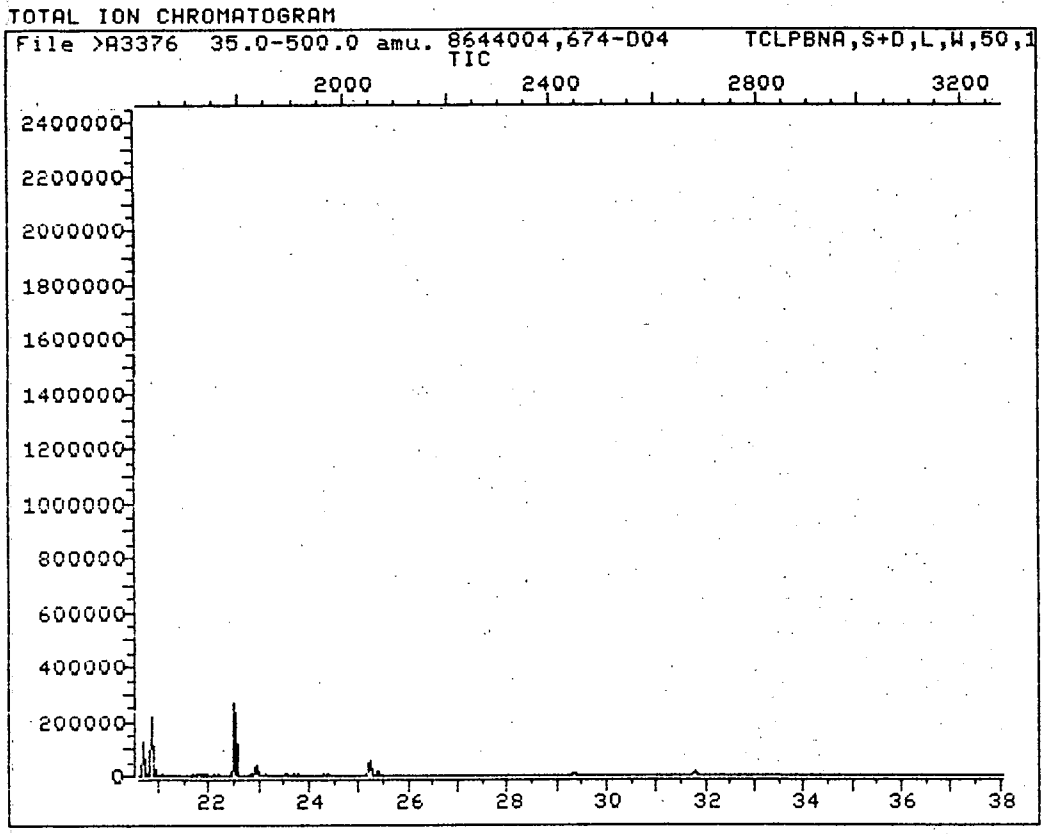
Data File: >A3376::D2 Quant Output File: ^A3376::QT
Name: 8644004,674-D04
Misc: TCLPBNA,S+D,L,W,50,1,D1,,R6/13,E6/19,INST:A,#1,(s+d) BTL#59

Id File: TCLPA::AQ
Title: ACID,BASE & NEUTRALS CLP COMPOUNDS
Last Calibration: 910624 07:29

Operator ID: NYTEST1
Quant Time: 910624 08:58
Injected at: 910621 23:29

TIC page 1 of 2

TOTAL ION CHROMATOGRAM



Data File: >A3376::D2 Quant Output File: ^A3376::QT
Name: 8644004,674-D04
Misc: TCLPBNA,S+D,L,W,50,1,D1,,R6/13,E6/19,INST:A,#1,(s+d) BTL#59

Id File: TCLPA::AQ
Title: ACID,BASE & NEUTRALS CLP COMPOUNDS
Last Calibration: 910624 07:29

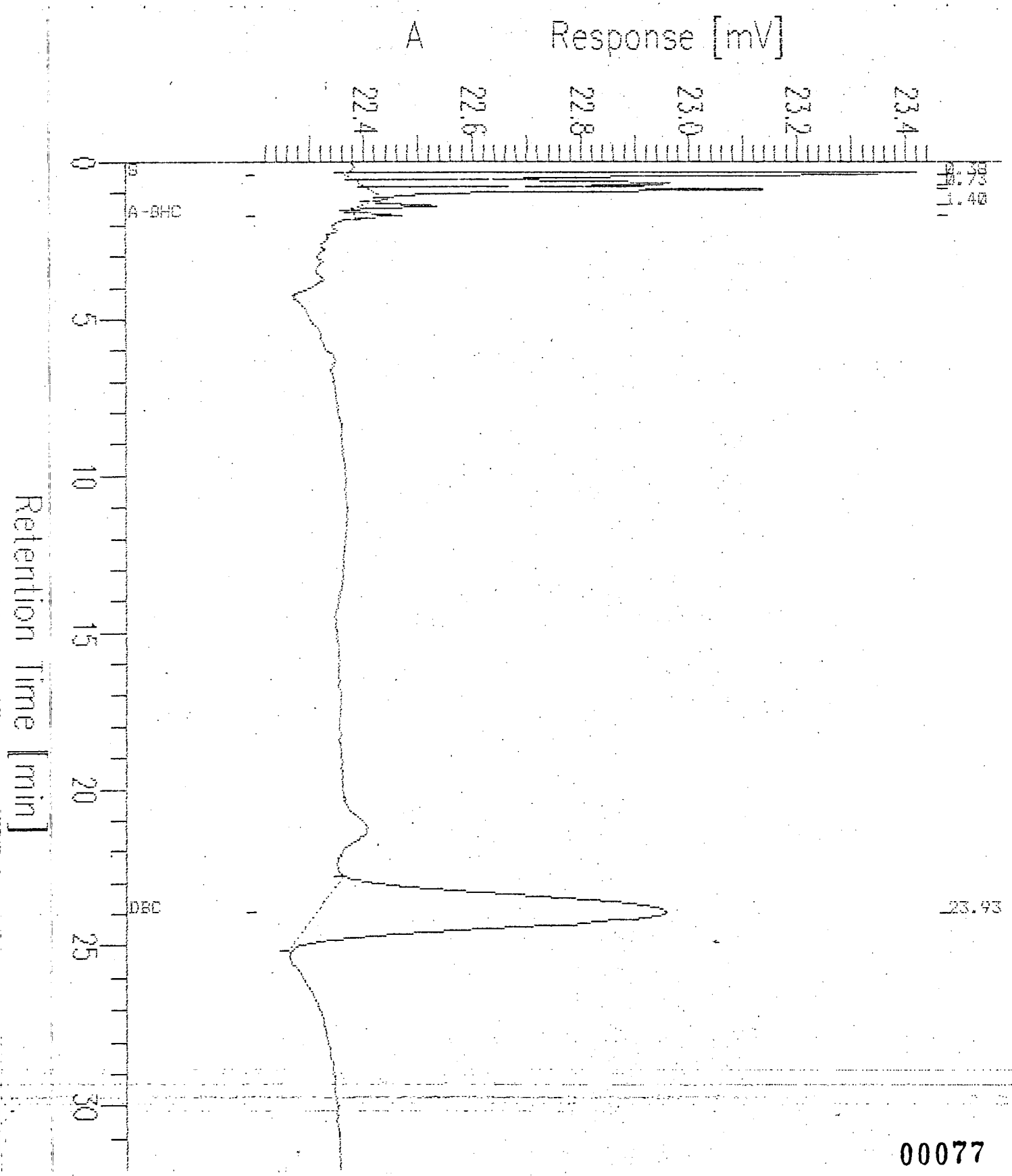
Operator ID: NYTEST1
Quant Time: 910624 08:58
Injected at: 910621 23:29

TIC page 2 of 2

STD Chromatogram N8644004 GM-D04

FileName : C:\2700\DATA1\b06g021.raw
Date : 06/27/91 03:38 PM

Start Time : 0.00 min
End Time : 32.00 min
Low Point : 22.20 mV
High Point : 23.46 mV
Scale Factor: 1
Plot Offset: 22 mV
Plot Scale: 1 mV



S+D

Chromatogram N8644004 674-D04

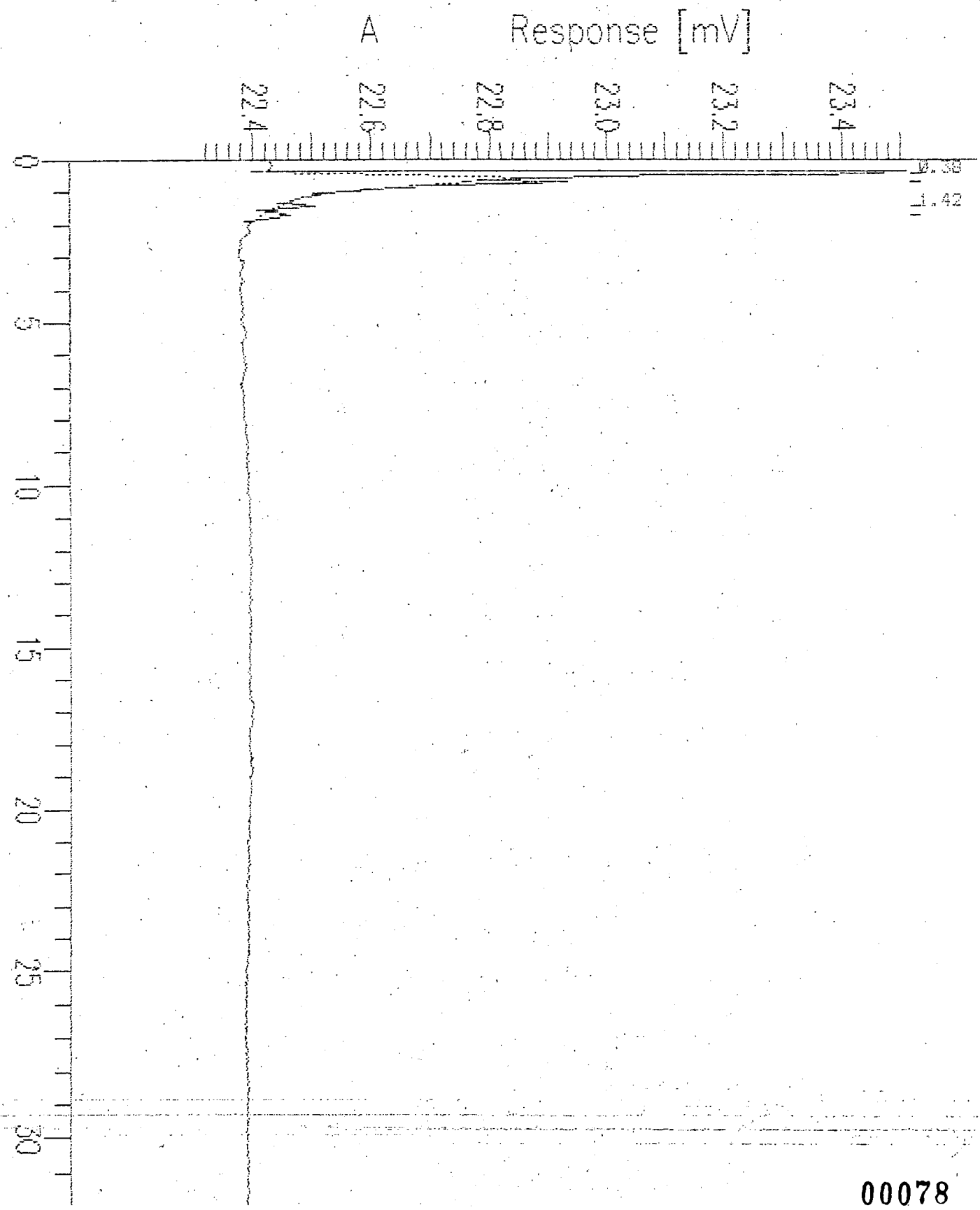
FileName : C:\2700\DATA1\b06q033.raw
Start Time : 0.00 min
End Time : 32.00 min
Scale Factor: 1
Plot Offset: 22 mV

Date : 06/27/91 04:04 PM
Low Point : 22.32 mV
Plot Scale: 1 mV

Herb

High Point : 23.52 mV

Page 1 of 1



00078

1A-P

NYTEST ENVIRONMENTAL INC.

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE MATRIX: SOIL
CONC. LEVEL: MED
ANALYSIS DATE: 6/19/91

SAMPLE ID: 674-D05
LAB ID: 8644005
DIL FACTOR: 1.00
% MOISTURE: NA

CMPD #	CAS Number	VOLATILE COMPOUNDS	UG/KG
1	74-87-3	Chloromethane	1250.0 U.
2	74-83-9	Bromomethane	1250.0 U.
3	75-01-4	Vinyl Chloride	1250.0 U.
4	75-00-3	Chloroethane	1250.0 U.
5	75-09-2	Methylene Chloride	160.0 JB
6	67-64-1	2-Propanone	1250.0 U.
7	75-15-0	Carbon disulfide	625.0 U.
8	75-35-4	1,1-Dichloroethene	625.0 U.
9	75-34-3	1,1-Dichloroethane	625.0 U.
10	540-59-0	1,2-Dichloroethene (total)	625.0 U.
11	67-66-3	Chloroform	625.0 U.
12	107-06-2	1,2-Dichloroethane	625.0 U.
13	78-93-3	2-Butanone	140.0 J.
14	71-55-6	1,1,1-Trichloroethane	625.0 U.
15	56-23-5	Carbon Tetrachloride	625.0 U.
16	108-05-4	Vinyl Acetate	1250.0 U.
17	75-27-4	Bromodichloromethane	625.0 U.
18	78-87-5	1,2-Dichloropropane	625.0 U.
19	10061-01-5	cis-1,3-Dichloropropene	625.0 U.
20	79-01-6	Trichloroethene	625.0 U.
21	124-48-1	Dibromochloromethane	625.0 U.
22	79-00-5	1,1,2-Trichloroethane	625.0 U.
23	71-43-2	Benzene	625.0 U.
24	10061-02-6	Trans-1,3-Dichloropropene	625.0 U.
25	75-25-2	Bromoform	625.0 U.
26	108-10-1	4-Methyl-2-Pentanone	1250.0 U.
27	591-78-6	2-Hexanone	1250.0 U.
28	127-18-4	Tetrachloroethene	625.0 U.
29	79-34-5	1,1,2,2-Tetrachloroethane	625.0 U.
30	108-88-3	Toluene	625.0 U.
31	108-90-7	Chlorobenzene	625.0 U.
32	100-41-4	Ethylbenzene	625.0 U.
33	100-42-5	Styrene	625.0 U.
34	1330-20-7	Xylene (total)	625.0 U.
35	107-02-8	Acrolein	12500.0 U.
36	107-13-1	Acrylonitrile	12500.0 U.
37	110-75-8	2-Chloroethylvinylether	1250.0 U.
38		Dichlorodifluoromethane	1250.0 U.
39		Dichlorobenzene (total)	3750.0 U.
40			
41			

1B-P

NYTEST ENVIRONMENTAL INC.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE MATRIX:	SOIL	SAMPLE ID:	674-D05
CONC. LEVEL:	MED	LAB ID:	8644005
EXTRACTION DATE:	6/18/91	DIL FACTOR:	20.00
ANALYSIS DATE:	6/21/91	% MOISTURE:	NA

CMPD #	CAS Number	BASE NEUTRAL COMPOUNDS	UG/KG	CMPD #	CAS Number	BASE NEUTRAL/PAH COMPOUNDS	UG/KG
1	111-44-4	bis(2-Chloroethyl)ether	396000.0 U.	42	91-20-3	Naphthalene	396000.0 U.
2	541-73-1	1,3-Dichlorobenzene	396000.0 U.	43	208-96-8	Acenaphthylene	396000.0 U.
3	106-46-7	1,4-Dichlorobenzene	396000.0 U.	44	83-32-9	Acenaphthene	396000.0 U.
4	95-50-1	1,2-Dichlorobenzene	396000.0 U.	45	86-73-7	Fluorene	396000.0 U.
5	39638-32-9	bis(2-chloroisopropyl)ether	396000.0 U.	46	85-01-8	Phenanthrene	396000.0 U.
6	621-64-7	N-Nitroso-Di-n-Propylamine	396000.0 U.	47	120-12-7	Anthracene	396000.0 U.
7	67-72-1	Hexachloroethane	396000.0 U.	48	206-44-0	Fluoranthene	396000.0 U.
8	98-95-3	Nitrobenzene	396000.0 U.	49	129-00-0	Pyrene	396000.0 U.
9	78-59-1	Isophorone	396000.0 U.	50	56-55-3	Benzo(a)Anthracene	396000.0 U.
10	111-91-1	bis(2-chloroethoxy)Methane	396000.0 U.	51	218-01-9	Chrysene	396000.0 U.
11	120-82-1	1,2,4-Trichlorobenzene	396000.0 U.	52	205-99-2	Benzo(b)Fluoranthene	396000.0 U.
12	106-47-8	4-Chloroaniline	396000.0 U.	53	207-08-9	Benzo(k)Fluoranthene	396000.0 U.
13	87-68-3	Hexachlorobutadiene	396000.0 U.	54	50-32-8	Benzo(a)Pyrene	396000.0 U.
14	91-57-6	2-Methylnaphthalene	396000.0 U.	55	193-39-5	Indeno(1,2,3-cd)Pyrene	396000.0 U.
15	77-47-4	Hexachlorocyclopentadiene	396000.0 U.	56	53-70-3	Dibenz(a,h)Anthracene	396000.0 U.
16	91-58-7	2-Chloronaphthalene	396000.0 U.	57	191-24-2	Benzo(g,h,i)Perylene	396000.0 U.
17	88-74-4	2-Nitroaniline	2000000.0 U.	58			
18	131-11-3	Dimethyl Phthalate	396000.0 U.	59			
19	99-09-2	3-Nitroaniline	2000000.0 U.	60			
20	132-64-9	Dibenzofuran	396000.0 U.			ACID COMPOUNDS	
21	121-14-2	2,4-Dinitrotoluene	396000.0 U.				
22	606-20-2	2,6-Dinitrotoluene	396000.0 U.	61	108-95-2	Phenol	396000.0 U.
23	84-66-2	Diethylphthalate	396000.0 U.	62	95-57-8	2-Chlorophenol	396000.0 U.
24	7005-72-3	4-Chlorophenyl-phenylether	396000.0 U.	63	100-51-6	Benzyl Alcohol	396000.0 U.
25	100-01-6	4-Nitroaniline	2000000.0 U.	64	95-48-7	2-Methylphenol	396000.0 U.
26	86-30-6	N-Nitrosodiphenylamine	396000.0 U.	65	106-44-5	4-Methylphenol	396000.0 U.
27	101-55-3	4-Bromophenyl-phenylether	396000.0 U.	66	88-75-5	2-Nitrophenol	396000.0 U.
28	118-74-1	Hexachlorobenzene	396000.0 U.	67	105-67-9	2,4-Dimethylphenol	396000.0 U.
29	84-74-2	Di-n-Butylphthalate	396000.0 U.	68	65-85-0	Benzoic Acid	2000000.0 U.
30	85-68-7	Butylbenzylphthalate	396000.0 U.	69	120-83-2	2,4-Dichlorophenol	396000.0 U.
31	91-94-1	3,3'-Dichlorobenzidine	800000.0 U.	70	59-50-7	4-Chloro-3-Methylphenol	396000.0 U.
32	117-81-7	bis(2-Ethylhexyl)Phthalate	440000.0 T.	71	88-6-2	2,4,6-Trichlorophenol	396000.0 U.
33	11784-0	Di-n-Octyl Phthalate	396000.0 U.	72	95-95-4	2,4,5-Trichlorophenol	2000000.0 U.
34	62-75-9	N-Nitrosodimethylamine	396000.0 U.	73	51-28-5	2,4-Dinitrophenol	2000000.0 U.
35	62-53-3	Aniline	396000.0 U.	74	100-02-7	4-Nitrophenol	2000000.0 U.
36	92-87-5	Benzidine	3170000.0 U.	75	534-52-1	4,6-Dinitro-2-Methylphenol	2000000.0 U.
37		Dioxin (Screen)	ND	76	87-86-5	Pentachlorophenol	2000000.0 U.
38				77			
39				78			
40				79			
41				80			

1C

NYTEST ENVIRONMENTAL INC.

TENTATIVELY IDENTIFIED ORGANICS COMPOUND

SAMPLE ID: 674-D05

OF TIC FOUND: 0

LAB ID: 8644005

MATRIX: SOIL

FRACTION: VOA

CAS Number	Compound Name	RT	Estimated Concentration UG/KG
1	NO COMPOUNDS FOUND		
2			
3			
4			
5			
6			
7			
8			
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24			
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26			
27			
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30			

1C

NYTEST ENVIRONMENTAL INC.

TENTATIVELY IDENTIFIED ORGANICS COMPOUND

SAMPLE ID: 674-D05

OF TIC FOUND: 0

LAB ID: 8644005

MATRIX: SOIL

FRACTION: BNA

CAS Number	Compound Name	RT	Estimated Concentration UG/KG
1	NO COMPOUNDS FOUND		
2			
3			
4			
5			
6			
7			
8			
9			
10			
11			
12			
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1 D-T

NYTEST ENVIRONMENTAL INC.

TCL PESTICIDE/PCB ORGANICS ANALYSIS DATA SHEET

SAMPLE MATRIX:	SOIL	SAMPLE ID:	674-D05
CONC. LEVEL:	MED	LAB SAMPLE ID:	8644005
EXTRACTION DATE:	6/18/91	DIL FACTOR:	1.00
ANALYSIS DATE:	6/26/91	% MOISTURE:	NA

CMPD #	CAS Number	PESTICIDE/PCB COMPOUND	UG/KG
1	319-84-6	Alpha-BHC	120.000 U.
2	319-85-7	Beta-BHC	120.000 U.
3	319-86-8	Delta-BHC	120.000 U.
4	58-89-9	Gamma-BHC(Lindane)	120.000 U.
5	76-44-8	Heptachlor	120.000 U.
6	309-00-2	Aldrin	120.000 U.
7	1024-57-3	Heptachlor Epoxide	120.000 U.
8	959-98-8	Endosulfan I	120.000 U.
9	60-57-1	Dieldrin	240.000 U.
10	72-55-9	4,4'-DDE	240.000 U.
11	70-20-8	Endrin	240.000 U.
12	33213-65-9	Endosulfan II	240.000 U.
13	72-54-8	4,4-DDD	240.000 U.
14	1031-07-8	Endosulfan Sulfate	240.000 U.
15	50-29-3	4,4'-DDT	240.000 U.
16	53494-70-5	Endrin Ketone	240.000 U.
17	72-43-5	Methoxychlor	1200.000 U.
18	57-74-9	Chlordane	1200.000 U.
19	8001-35-2	Toxaphene	2400.000 U.
20	12674-11-2	Aroclor-1016	1200.000 U.
21	11104-28-2	Aroclor-1221	1200.000 U.
22	11141-16-5	Aroclor-1232	1200.000 U.
23	53469-21-9	Aroclor-1242	1200.000 U.
24	12672-29-6	Aroclor-1248	1200.000 U.
25	11097-69-1	Aroclor-1254	2400.000 U.
26	11096-82-5	Aroclor-1260	2400.000 U.

nytest environmental inc.

Sample Identification and Results

Log In No: 8644

Sample No: 674-D05
Lab Sample ID No: 8644005

Results in mg/kg:

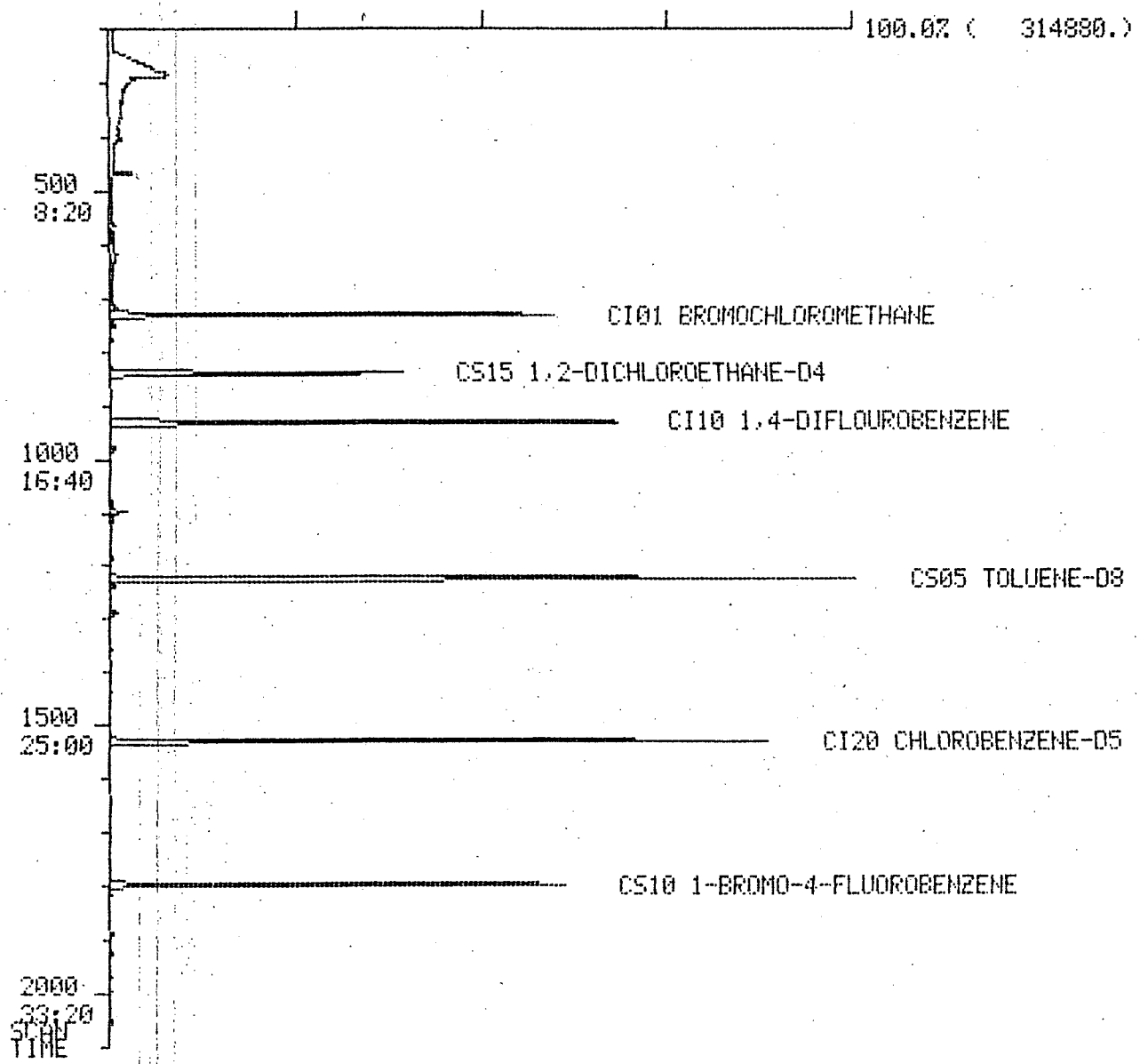
TCL Metals	Found
Aluminum	966.0
Antimony	<5.0
Arsenic	<2.0
Barium	58.1
Beryllium	<1.0
Cadmium	<1.0
Calcium	43100.0
Chromium	<5.0
Cobalt	13.4
Copper	19.2
Iron	4240.0
Lead	22.8
Magnesium	9900.0
Manganese	50.0
Mercury	<0.1
Nickel	<5.0
Potassium	259.0
Selenium	<1.0
Silver	<5.0
Sodium	10500.0
Thallium	<5.0
Vanadium	<1.0
Zinc	71.3

TCLP Results 2-J Sample ID: 674-D05
Lab ID: 8644005

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
D018	Benzene	0.50	0.05	ND
D006	Cadmium	1.0	0.1	ND
D019	Carbon tetrachloride	0.50	0.05	ND
D020	Chlordane	0.03	0.003	ND
D021	Chlorobenzene	100.0	10	ND
D022	Chloroform	6.0	0.6	ND
D007	Chromium	5.0	0.5	ND
D023	o-Cresol	200	20	ND
D024	m-Cresol	200	20	ND
D025	p-Cresol	200	20	ND
D026	Cresol	200	20	ND
D016	2,4-D	10.0	1	ND
D027	1,4-Dichlorobenzene	7.5	0.75	ND
D028	1,2-Dichloroethane	0.5	0.05	ND
D029	1,1-Dichloroethylene	0.7	0.07	ND
D030	2,4-Dinitrotoluene	0.13	0.013	ND
D012	Endrin	0.02	0.002	ND
D031	Heptachlor(and its hydroxide)	0.008	0.004	ND
D032	Hexachlorobenzene	0.13	0.013	ND
D033	Hexachloro-1,3-butadiene	0.5	0.05	ND
D034	Hexachloroethane	3.0	0.3	ND
D008	Lead	5.0	0.5	ND
D013	Lindane	0.4	0.04	ND
D009	Mercury	0.2	0.02	ND
D014	Methoxychlor	10.0	1	ND
D035	Methyl ethyl ketone	200.0	20	ND
D036	Nitrobenzene	2.0	0.2	ND
D037	Pentachlorophenol	100.0	10	ND
D038	Pyridine	5.0	0.5	ND
D010	Selenium	1.0	0.1	ND
D011	Silver	5.0	0.5	ND
D039	Tetrachloroethylene	0.7	0.07	ND
D015	Toxaphene	0.5	0.05	ND
D040	Trichloroethylene	0.5	0.05	ND
D041	2,4,5-Trichlorophenol	400.0	40	ND
D042	2,4,6-Trichlorophenol	2.0	0.2	ND
D017	2,4,5-TP (Silvex)	1.0	0.1	ND
D043	Vinyl chloride	0.20	0.02	ND
--				
--				
--				

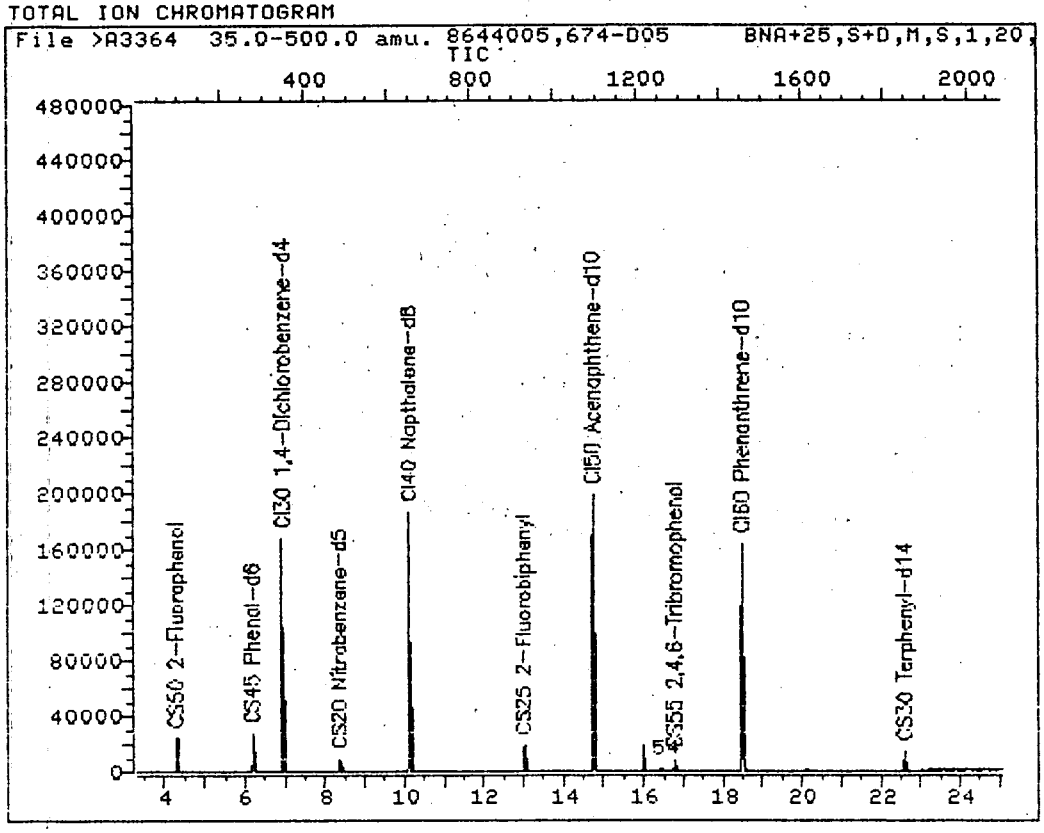
ND = None Detected

DATA FROM FILE: G2651 SCANS 200 TO 2100 ACQUIRED: 06/19/91 15:38:00
CALI: G2651 #2
SAMPLE: S&D ENVIRONMENTAL 8644005/674-D05, REC'D 6/13/91
CONDS.: 100UL(4G/10MLS)/5MLS,INST.G



00086

TOTAL ION CHROMATOGRAM



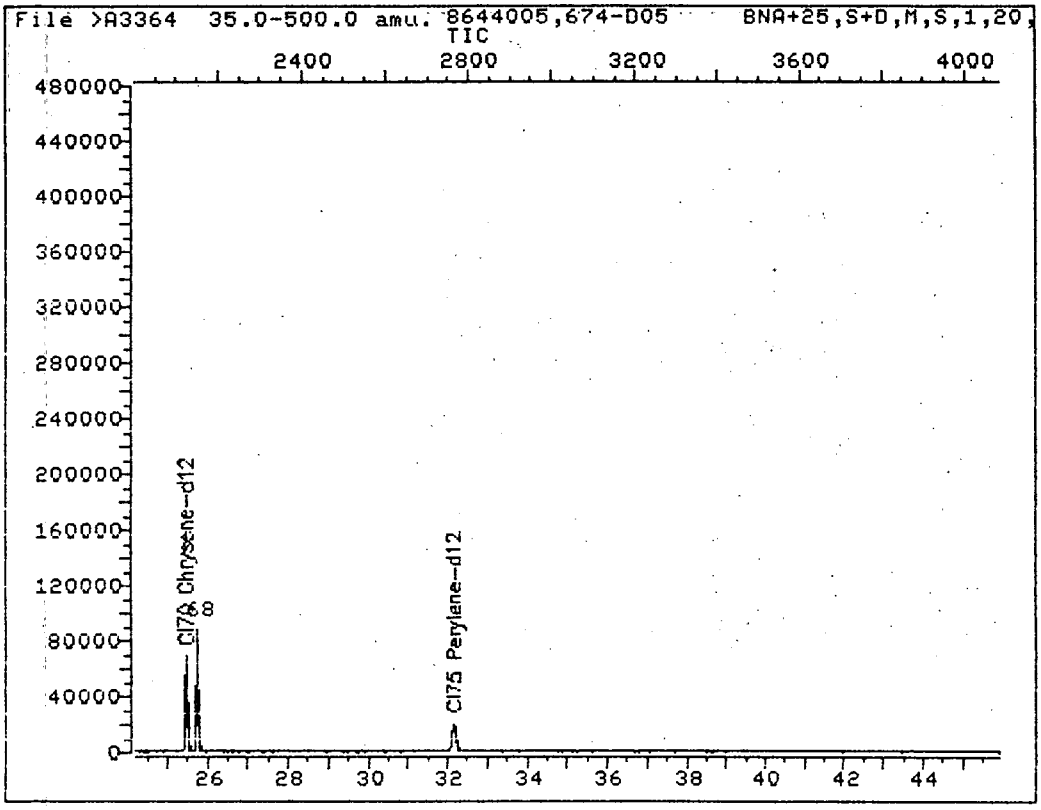
Data File: >A3364::D2 Quant Output File: ^A3364::QT
Name: 8644005,674-D05
Misc: BNA+25,S+D,M,S,1,20,D20,,R6/13,E6/18,INST:A BTL#49

Id File: CLPA1::SC
Title: ACID,BASE & NEUTRALS CLP COMPOUNDS
Last Calibration: 910621 09:14

Operator ID: NYTEST1
Quant Time: 910621 15:54
Injected at: 910621 14:41

TIC page 1 of 2

TOTAL ION CHROMATOGRAM



Data File: >A3364::D2 Quant Output File: ^A3364::QT
Name: 8644005,674-D05
Misc: BNA+25,S+D,M,S,1,20,D20,,R6/13,E6/18,INST:A BTL#49

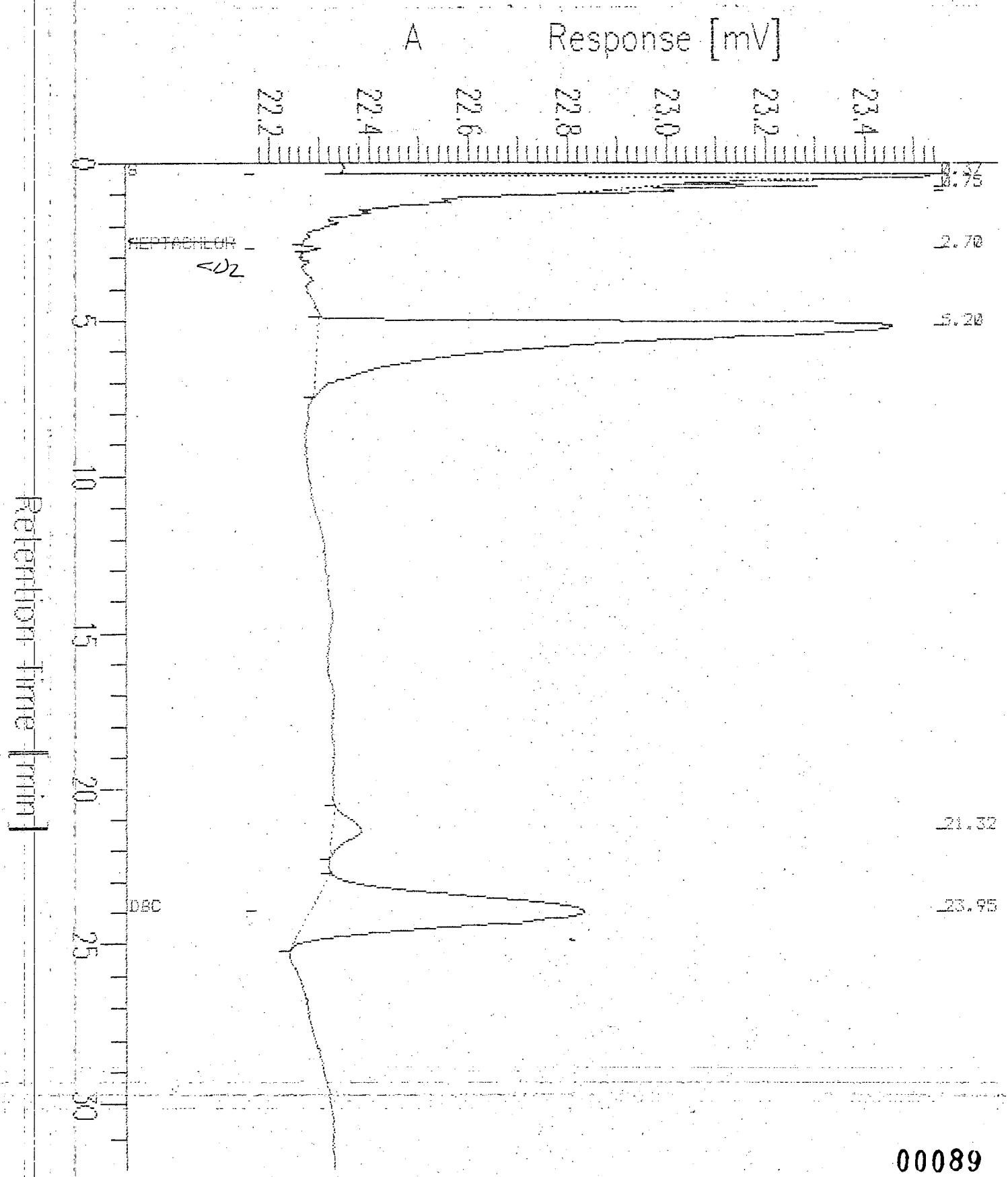
Id File: CLPA1::SC
Title: ACID,BASE & NEUTRALS CLP COMPOUNDS
Last Calibration: 910621 09:14

Operator ID: NYTEST1
Quant Time: 910621 15:54
Injected at: 910621 14:41

TIC page 2 of 2

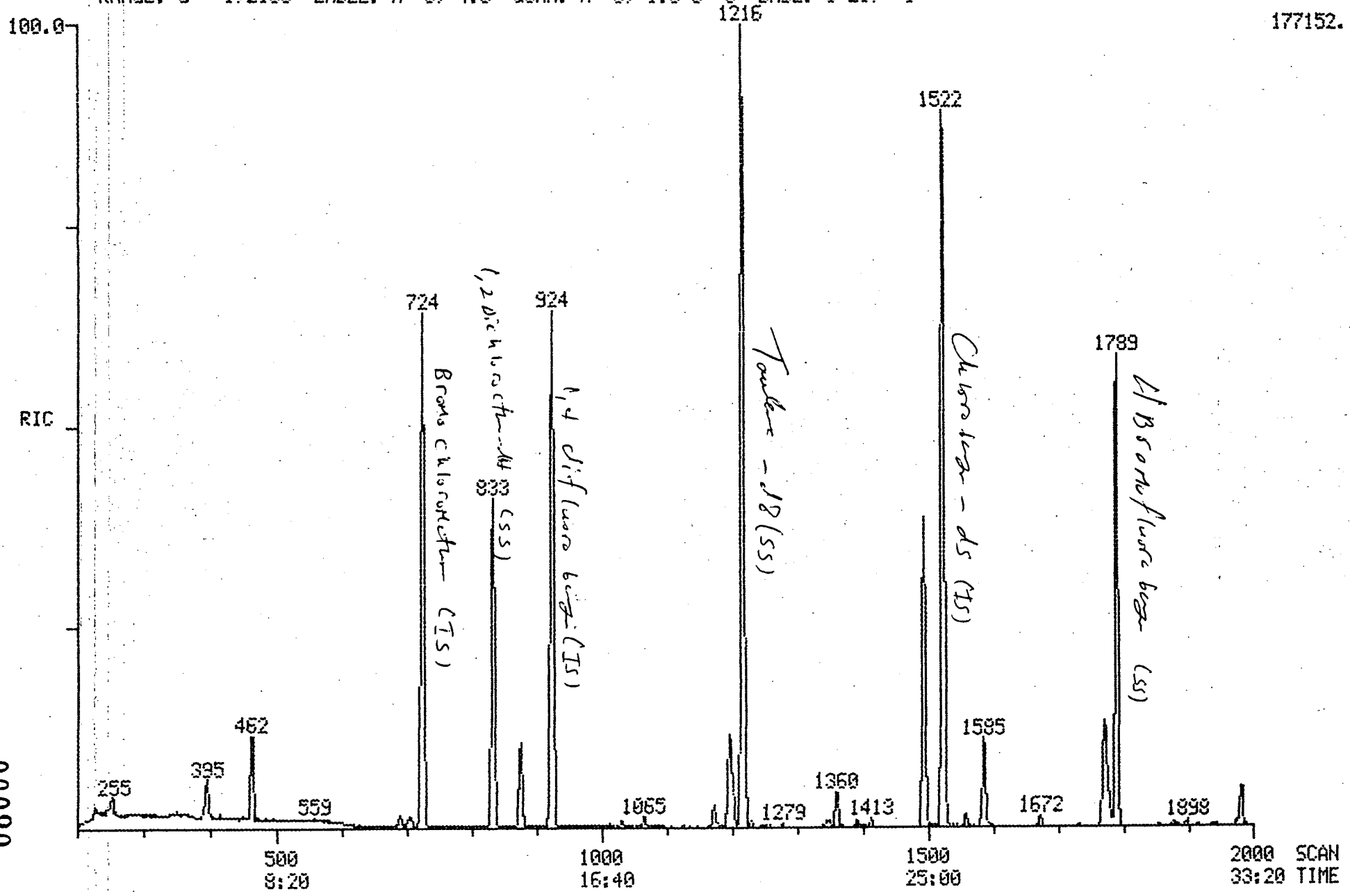
STD Chromatogram N8644005 674-D05

FileName : C:\2700\DATA1\b06g010.raw
Date : 06/27/91 03:24 PM
Page 1 of 1
Start Time : 0.00 min
End Time : 32.00 min
Low Point : 22.17 mV
High Point : 23.54 mV
Scale Factor: 1
Plot Offset: 22 mV
Plot Scale: 1 mV



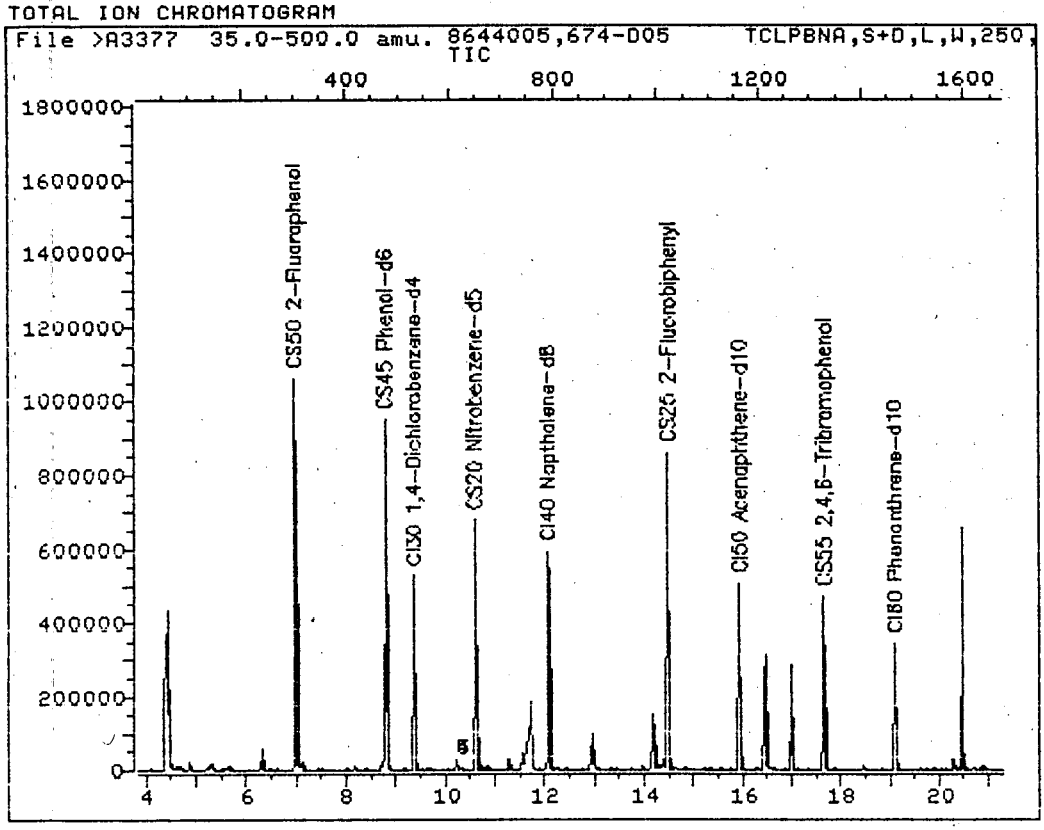
00089

RIC DATA: G2704 #1 SCANS 200 TO 2000
06/25/91 15:02:00 CALI: G2704 #2
SAMPLE: S&D ENV.,674-D05/8644005,REC'D 6/13/91
CONDS.: 1/5MLS,INST.G(TCLP)
RANGE: G 1.2100 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3



00090

TOTAL ION CHROMATOGRAM



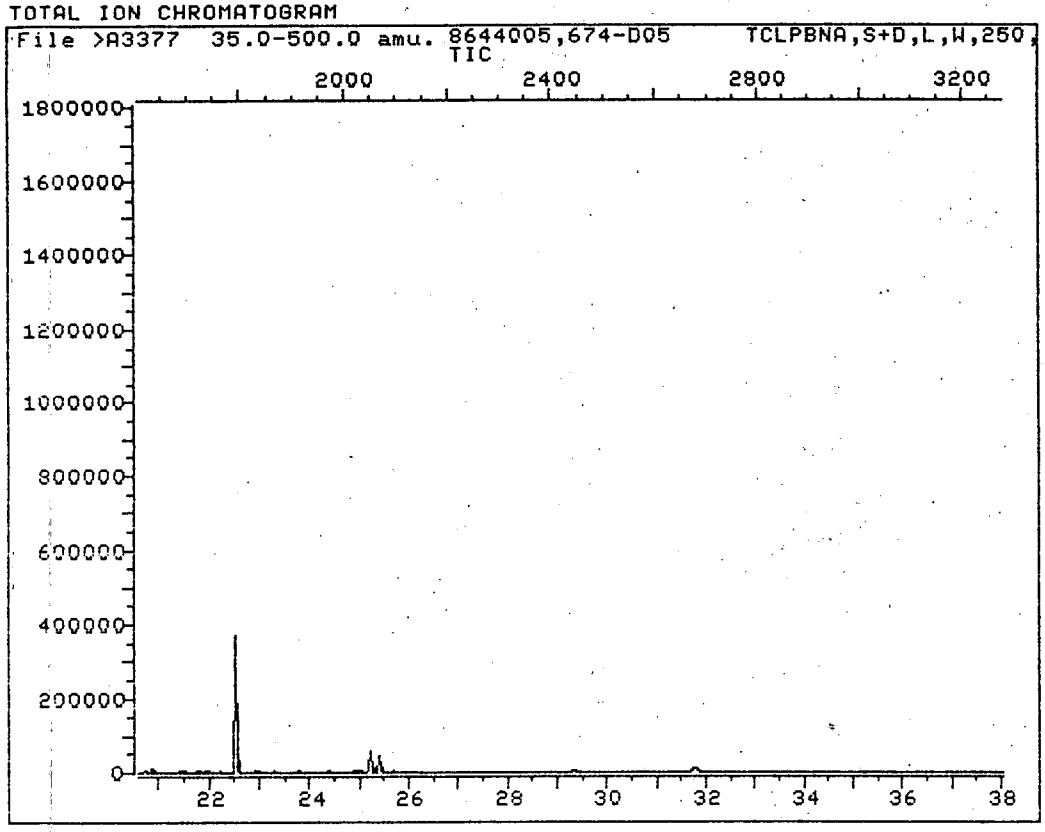
Data File: >A3377::D2 Quant Output File: ^A3377::QT
Name: 8644005,674-D05
Misc: TCLPBNA,S+D,L,W,250,1,D1,,R6/13,E6/19,INST:A,#1,(s+d) BTL#60

Id File: TCLPA::AQ
Title: ACID,BASE & NEUTRALS CLP COMPOUNDS
Last Calibration: 910624 07:29

Operator ID: NYTEST1
Quant Time: 910624 08:37
Injected at: 910622 00:15

TIC page 1 of 2

TOTAL ION CHROMATOGRAM



Data File: >A3377::D2 Quant Output File: ^A3377::QT
Name: 8644005,674-D05
Misc: TCLPBNA,S+D,L,W,250,1,D1,,R6/13,E6/19,INST:A,#1,(s+d) BTL#60

Id File: TCLPA::AQ
Title: ACID,BASE & NEUTRALS CLP COMPOUNDS
Last Calibration: 910624 07:29

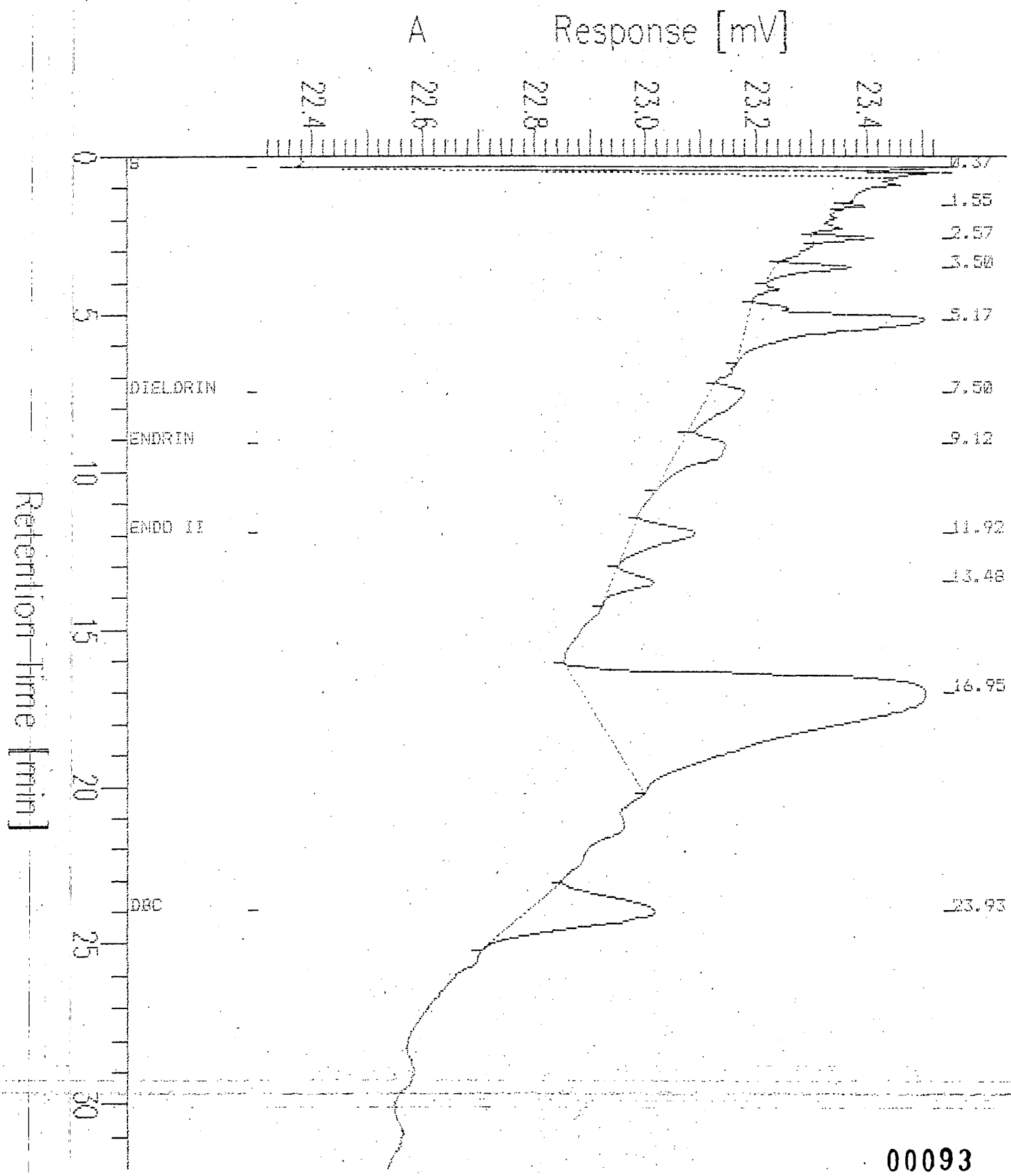
Operator ID: NYTEST1
Quant Time: 910624 08:37
Injected at: 910622 00:15

TIC page 2 of 2

STD Chromatogram N8644005 674-D05

FileName : C:\2700\DATA1\b06g022.raw
Date : 06/27/91 03:42 PM

Start Time : 0.00 min
End Time : 32.00 min
Low Point : 22.30 mV
High Point : 23.54 mV
Scale Factor: 1
Plot Offset: 22 mV
Plot Scale: 1 mV



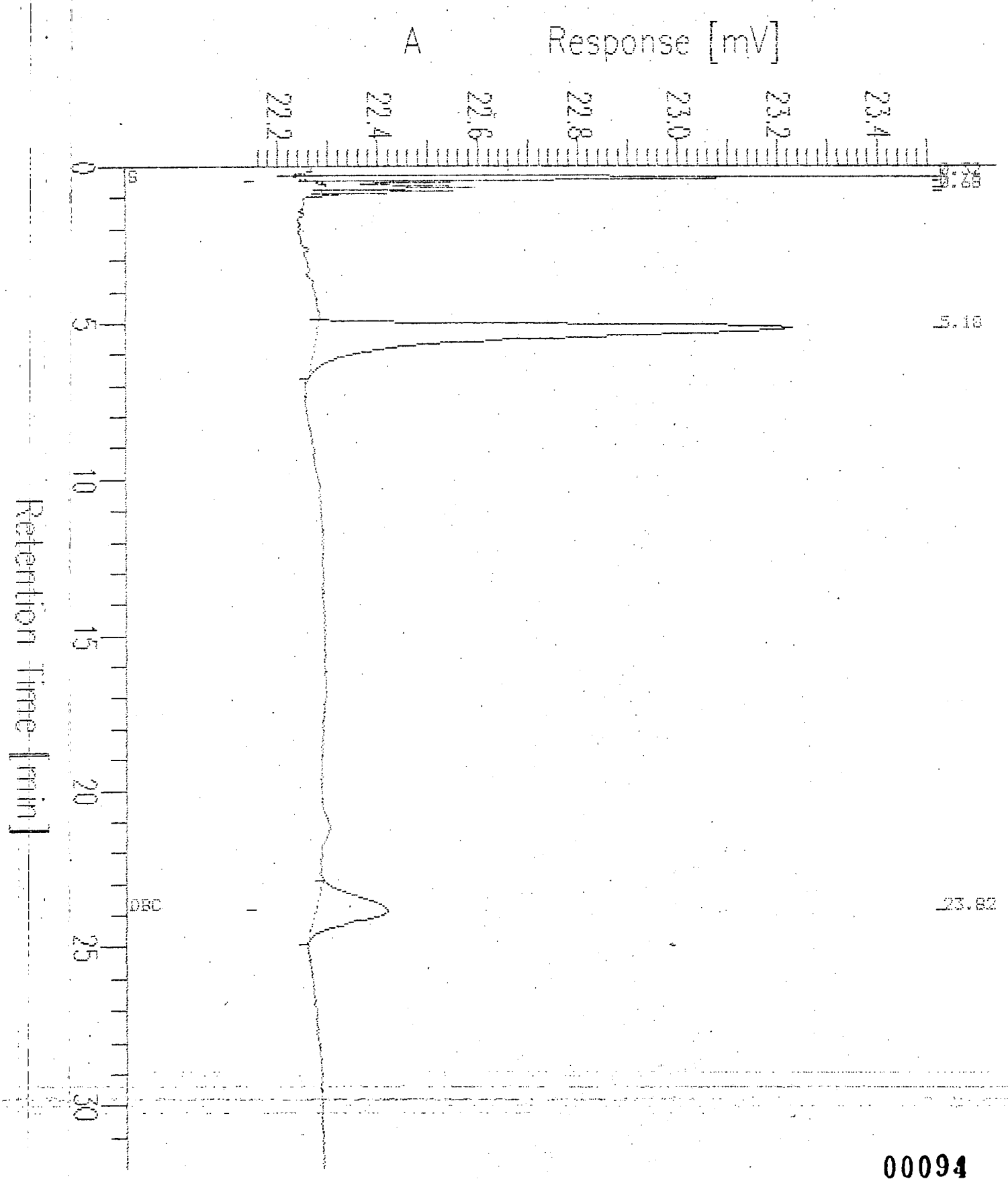
STD Chromatogram N8644005 674-D05

FileName : C:\2700\DATA1\B07A004.raw
Start Time : 0.00 min End Time : 32.00 min
Scale Factor: 1 Plot Offset: 22 mV

Date : 06/30/91 10:47 AM
Low Point : 22.15 mV
Plot Scale: 1 mV

Page 1 of 1
High Point : 23.51 mV

1:10 Dil.



00094

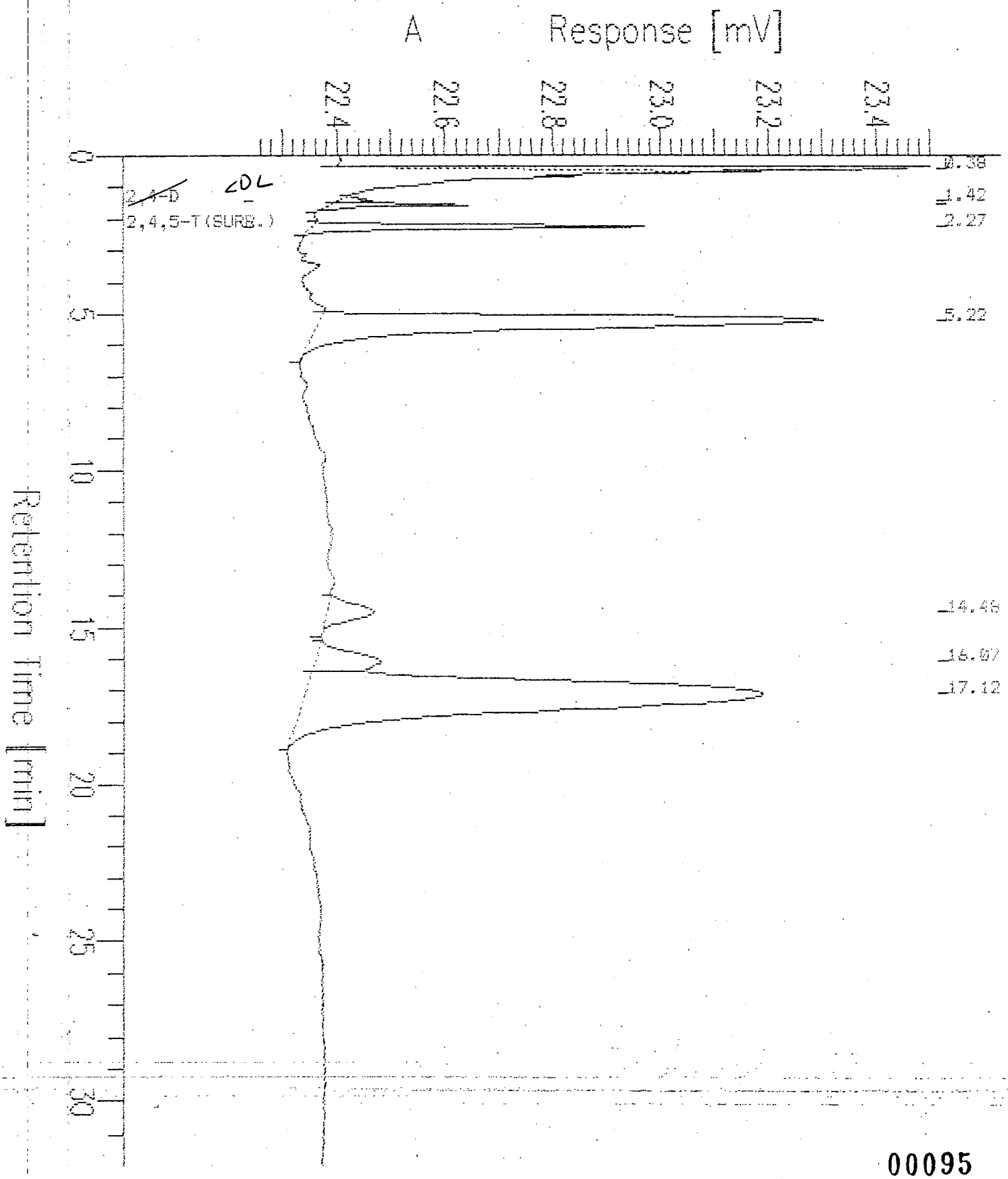
STD

Chromatogram N8644005

674-D05

FileName : C:\2700\DATA1\b06q034.raw
Date : 06/27/91 04:07 PM

Start Time : 0.00 min
End Time : 32.00 min
Low Point : 22.25 mV
High Point : 23.51 mV
Scale Factor: 1
Plot Offset: 22 mV
Plot Scale: 1 mV



1A-P

NYTEST ENVIRONMENTAL INC.

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE MATRIX: SOIL
CONC. LEVEL: MED
ANALYSIS DATE: 6/19/91

SAMPLE ID: 674-D06
LAB ID: 8644006
DIL FACTOR: 1.00
% MOISTURE: NA

CMPD #	CAS Number	VOLATILE COMPOUNDS	UG/KG
1	74-87-3	Chloromethane	1250.0 U.
2	74-83-9	Bromomethane	1250.0 U.
3	75-01-4	Vinyl Chloride	1250.0 U.
4	75-00-3	Chloroethane	1250.0 U.
5	75-09-2	Methylene Chloride	190.0 JB
6	67-64-1	2-Propanone	1250.0 U.
7	75-15-0	Carbon disulfide	625.0 U.
8	75-35-4	1,1-Dichloroethene	625.0 U.
9	75-34-3	1,1-Dichloroethane	625.0 U.
10	540-59-0	1,2-Dichloroethene (total)	625.0 U.
11	67-66-3	Chloroform	625.0 U.
12	107-06-2	1,2-Dichloroethane	625.0 U.
13	78-93-3	2-Butanone	5700.0 T.
14	71-55-6	1,1,1-Trichloroethane	625.0 U.
15	56-23-5	Carbon Tetrachloride	625.0 U.
16	108-05-4	Vinyl Acetate	1250.0 U.
17	75-27-4	Bromodichloromethane	625.0 U.
18	78-87-5	1,2-Dichloropropane	625.0 U.
19	10061-01-5	cis-1,3-Dichloropropene	625.0 U.
20	79-01-6	Trichloroethene	625.0 U.
21	124-48-1	Dibromochloromethane	625.0 U.
22	79-00-5	1,1,2-Trichloroethane	625.0 U.
23	71-43-2	Benzene	625.0 U.
24	10061-02-6	Trans-1,3-Dichloropropene	625.0 U.
25	75-25-2	Bromoform	625.0 U.
26	108-10-1	4-Methyl-2-Pentanone	1250.0 U.
27	591-78-6	2-Hexanone	13000.0 T.
28	127-18-4	Tetrachloroethene	625.0 U.
29	79-34-5	1,1,2,2-Tetrachloroethane	625.0 U.
30	108-88-3	Toluene	625.0 U.
31	108-90-7	Chlorobenzene	625.0 U.
32	100-41-4	Ethylbenzene	625.0 U.
33	100-42-5	Styrene	625.0 U.
34	1330-20-7	Xylene (total)	625.0 U.
35	107-02-8	Acrolein	12500.0 U.
36	107-13-1	Acrylonitrile	12500.0 U.
37	110-75-8	2-Chloroethylvinylether	1250.0 U.
38		Dichlorodifluoromethane	1250.0 U.
39		Dichlorobenzene (total)	3750.0 U.
40			
41			

1B-P

NYTEST ENVIRONMENTAL INC.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE MATRIX: SOIL
CONC. LEVEL: MED
EXTRACTION DATE: 6/18/91
ANALYSIS DATE: 6/20/91

SAMPLE ID: 674-D06
LAB ID: 8644006
DIL FACTOR: 80.00
% MOISTURE: NA

CMPD #	CAS Number	BASE NEUTRAL COMPOUNDS	UG/KG
1	111-44-4	bis(2-Chloroethyl)ether	1600000.0 U.
2	541-73-1	1,3-Dichlorobenzene	1600000.0 U.
3	106-46-7	1,4-Dichlorobenzene	1600000.0 U.
4	95-50-1	1,2-Dichlorobenzene	1600000.0 U.
5	39638-32-9	bis(2-chloroisopropyl)ether	1600000.0 U.
6	621-64-7	N-Nitroso-Di-n-Propylamine	1600000.0 U.
7	67-72-1	Hexachloroethane	1600000.0 U.
8	98-95-3	Nitrobenzene	1600000.0 U.
9	78-59-1	Isophorone	1600000.0 U.
10	111-91-1	bis(2-chloroethoxy)Methane	1600000.0 U.
11	120-82-1	1,2,4-Trichlorobenzene	1600000.0 U.
12	106-47-8	4-Chloroaniline	1600000.0 U.
13	87-68-3	Hexachlorobutadiene	1600000.0 U.
14	91-57-6	2-Methylnaphthalene	1600000.0 U.
15	77-47-4	Hexachlorocyclopentadiene	1600000.0 U.
16	91-58-7	2-Chloronaphthalene	1600000.0 U.
17	88-74-4	2-Nitroaniline	8000000.0 U.
18	131-11-3	Dimethyl Phthalate	1600000.0 U.
19	99-09-2	3-Nitroaniline	8000000.0 U.
20	132-64-9	Dibenzofuran	1600000.0 U.
21	121-14-2	2,4-Dinitrotoluene	1600000.0 U.
22	606-20-2	2,6-Dinitrotoluene	1600000.0 U.
23	84-66-2	Diethylphthalate	1600000.0 U.
24	7005-72-3	4-Chlorophenyl-phenylether	1600000.0 U.
25	100-01-6	4-Nitroaniline	8000000.0 U.
26	86-30-6	N-Nitrosodiphenylamine	240000.0 J.
27	101-55-3	4-Bromophenyl-phenylether	1600000.0 U.
28	118-74-1	Hexachlorobenzene	1600000.0 U.
29	84-74-2	Di-n-Butylphthalate	1600000.0 U.
30	85-68-7	Butylbenzylphthalate	1600000.0 U.
31	91-94-1	3,3'-Dichlorobenzidine	3000000.0 U.
32	117-81-7	bis(2-Ethylhexyl)Phthalate	45000.0 J.
33	11784-0	Di-n-Octyl Phthalate	1600000.0 U.
34	62-75-9	N-Nitrosodimethylamine	1600000.0 U.
35	62-53-3	Aniline	1600000.0 U.
36	92-87-5	Benzidine	13000000.0 U.
37		Dioxin (Screen)	ND .
38			
39			
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41			

CMPD #	CAS Number	BASE NEUTRAL/PAH COMPOUNDS	UG/KG
42	91-20-3	Naphthalene	1600000.0 U.
43	208-96-8	Acenaphthylene	1600000.0 U.
44	83-32-9	Acenaphthene	1600000.0 U.
45	86-73-7	Fluorene	1600000.0 U.
46	85-01-8	Phenanthrene	1600000.0 U.
47	120-12-7	Anthracene	1600000.0 U.
48	206-44-0	Fluoranthene	1600000.0 U.
49	129-00-0	Pyrene	1600000.0 U.
50	56-55-3	Benzo(a)Anthracene	1600000.0 U.
51	218-01-9	Chrysene	1600000.0 U.
52	205-99-2	Benzo(b)Fluoranthene	1600000.0 U.
53	207-08-9	Benzo(k)Fluoranthene	1600000.0 U.
54	50-32-8	Benzo(a)Pyrene	1600000.0 U.
55	193-39-5	Indeno(1,2,3-cd)Pyrene	1600000.0 U.
56	53-70-3	Dibenz(a,h)Anthracene	1600000.0 U.
57	191-24-2	Benzo(g,h,i)Perylene	1600000.0 U.
58			
59			
60			
		ACID COMPOUNDS	
61	108-95-2	Phenol	1600000.0 U.
62	95-57-8	2-Chlorophenol	1600000.0 U.
63	100-51-6	Benzyl Alcohol	1600000.0 U.
64	95-48-7	2-Methylphenol	1600000.0 U.
65	106-44-5	4-Methylphenol	1600000.0 U.
66	88-75-5	2-Nitrophenol	1600000.0 U.
67	105-67-9	2,4-Dimethylphenol	1600000.0 U.
68	65-85-0	Benzoic Acid	8000000.0 U.
69	120-83-2	2,4-Dichlorophenol	1600000.0 U.
70	59-50-7	4-Chloro-3-Methylphenol	1600000.0 U.
71	88-6-2	2,4,6-Trichlorophenol	1600000.0 U.
72	95-95-4	2,4,5-Trichlorophenol	8000000.0 U.
73	51-28-5	2,4-Dinitrophenol	8000000.0 U.
74	100-02-7	4-Nitrophenol	8000000.0 U.
75	534-52-1	4,6-Dinitro-2-Methylphenol	8000000.0 U.
76	87-86-5	Pentachlorophenol	8000000.0 U.
77			
78			
79			
80			

1C

NYTEST ENVIRONMENTAL INC.

TENTATIVELY IDENTIFIED ORGANICS COMPOUND

SAMPLE ID: 674-D06

OF TIC FOUND: 3

LAB ID: 8644006

MATRIX: SOIL

FRACTION: VOA

CAS Number	Compound Name	RT	Estimated Concentration UG/KG
1	UNKNOWN	16:58	4400 J
2	UNKNOWN	28:35	57000 J
3	UNKNOWN	29:09	1500 J
4			
5			
6			
7			
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10			
11			
12			
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1C

NYTEST ENVIRONMENTAL INC.

TENTATIVELY IDENTIFIED ORGANICS COMPOUND

SAMPLE ID: 674-D06

OF TIC FOUND: 25

LAB ID: 8644006

MATRIX: SOIL

FRACTION: BNA

CAS Number	Compound Name	RT	Estimated Concentration UG/KG
1	UNKNOWN KETONE	4.52	420000 J
2	UNKNOWN	7.87	380000 J
3	UNKNOWN ACID	9.69	7300000 J
4	UNKNOWN	11.21	960000 J
5	UNKNOWN KETONE	11.69	1400000 J
6	UNKNOWN ACID	12.73	7100000 J
7	UNKNOWN ACID	15.25	1500000 J
8	UNKNOWN ACID	15.43	33000000 J
9	UNKNOWN ALKANE	17.05	930000 J
10	UNKNOWN ACID	17.63	1600000 J
11	UNKNOWN ACID	17.78	29000000 J
12	UNKNOWN ACID	19.79	6200000 J
13	UNKNOWN ACID	19.97	67000000 J
14	UNKNOWN	21.38	440000 J
15	UNKNOWN	21.74	39000000 J
16	UNKNOWN ACID	21.96	130000000 J
17	UNKNOWN	23.47	340000 J
18	UNKNOWN	23.72	890000 J
19	UNKNOWN	23.78	1500000 J
20	UNKNOWN	29.30	430000 J
21	UNKNOWN	30.06	470000 J
22	UNKNOWN	34.65	630000 J
23	UNKNOWN	39.09	410000 J
24	UNKNOWN	42.74	420000 J
25	UNKNOWN	43.09	420000 J
26			
27			
28			
29			
30			

1 D-T

NYTEST ENVIRONMENTAL INC.

TCL PESTICIDE/PCB ORGANICS ANALYSIS DATA SHEET

SAMPLE MATRIX:	SOIL	SAMPLE ID:	674-D06
CONC. LEVEL:	MED	LAB SAMPLE ID:	8644006
EXTRACTION DATE:	6/18/91	DIL FACTOR:	1.00
ANALYSIS DATE:	6/26/91	% MOISTURE:	NA

CMPD #	CAS Number	PESTICIDE/PCB COMPOUND	UG/KG
1	319-84-6	Alpha-BHC	120.000 U.
2	319-85-7	Beta-BHC	120.000 U.
3	319-86-8	Delta-BHC	120.000 U.
4	58-89-9	Gamma-BHC(Lindane)	120.000 U.
5	76-44-8	Heptachlor	120.000 U.
6	309-00-2	Aldrin	120.000 U.
7	1024-57-3	Heptachlor Epoxide	120.000 U.
8	959-98-8	Endosulfan I	120.000 U.
9	60-57-1	Dieldrin	240.000 U.
10	72-55-9	4,4'-DDE	240.000 U.
11	70-20-8	Endrin	240.000 U.
12	33213-65-9	Endosulfan II	240.000 U.
13	72-54-8	4,4-DDD	240.000 U.
14	1031-07-8	Endosulfan Sulfate	240.000 U.
15	50-29-3	4,4'-DDT	240.000 U.
16	53494-70-5	Endrin Ketone	240.000 U.
17	72-43-5	Methoxychlor	1200.000 U.
18	57-74-9	Chlordane	1200.000 U.
19	8001-35-2	Toxaphene	2400.000 U.
20	12674-11-2	Aroclor-1016	1200.000 U.
21	11104-28-2	Aroclor-1221	1200.000 U.
22	11141-16-5	Aroclor-1232	1200.000 U.
23	53469-21-9	Aroclor-1242	1200.000 U.
24	12672-29-6	Aroclor-1248	1200.000 U.
25	11097-69-1	Aroclor-1254	2400.000 U.
26	11096-82-5	Aroclor-1260	2400.000 U.

nytest environmental inc.

Sample Identification and Results

Log In No: 8644

Sample No: 674-D06
Lab Sample ID No: 8644006

Results in mg/kg:

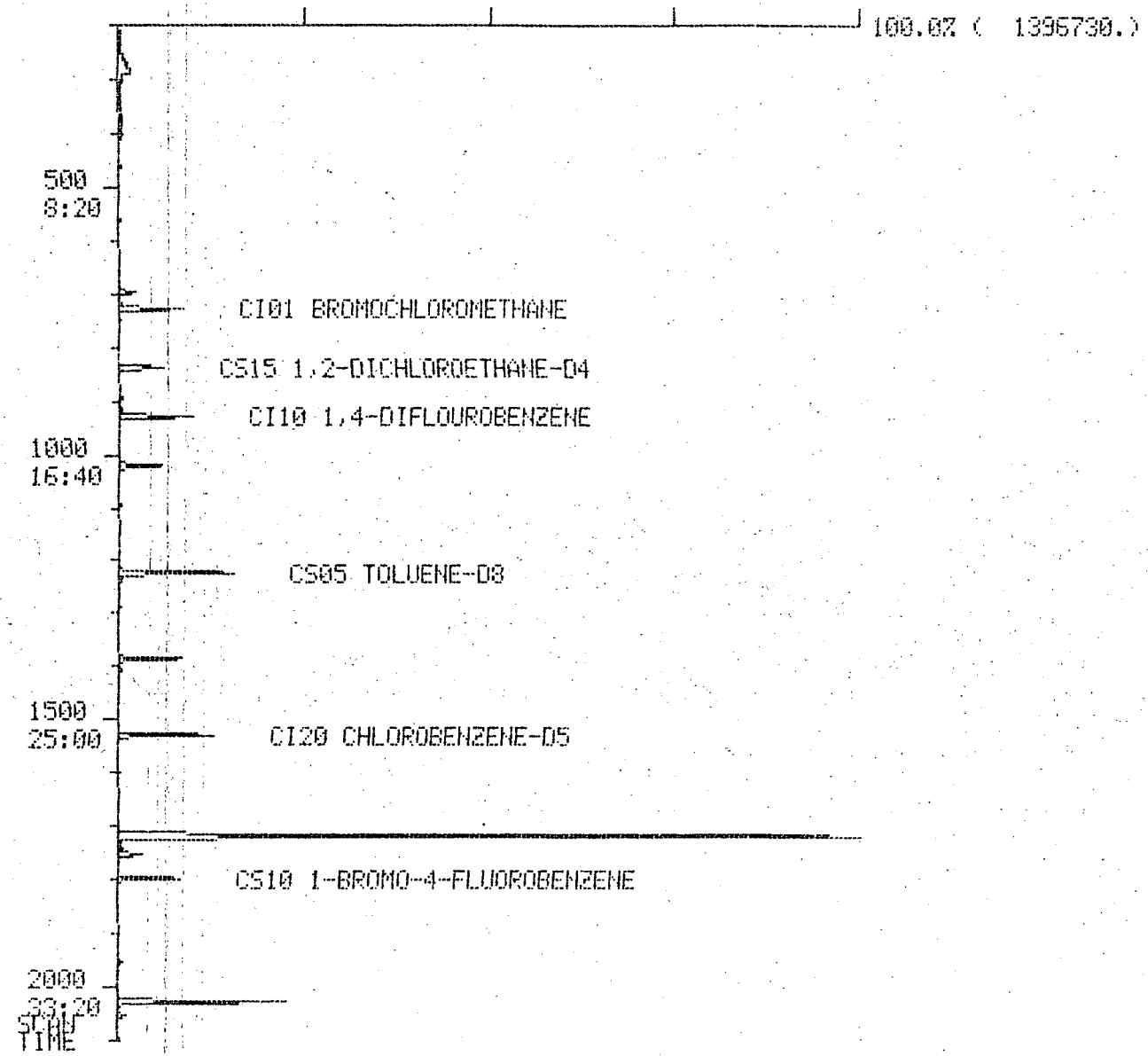
TCL Metals	Found
Aluminum	160.0
Antimony	<5.0
Arsenic	<2.0
Barium	<10.0
Beryllium	<1.0
Cadmium	<1.0
Calcium	2120.0
Chromium	10.7
Cobalt	6.90
Copper	36.6
Iron	6350.0
Lead	23.2
Magnesium	140.0
Manganese	52.6
Mercury	<0.1
Nickel	820.0
Potassium	15.5
Selenium	<1.0
Silver	<5.0
Sodium	951.0
Thallium	<5.0
Vanadium	<1.0
Zinc	67.6

TCLP Results 2-J Sample ID: 674-D06
Lab ID: 8644006

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
D018	Benzene	0.50	0.05	ND
D006	Cadmium	1.0	0.1	ND
D019	Carbon tetrachloride	0.50	0.05	ND
D020	Chlordane	0.03	0.003	ND
D021	Chlorobenzene	100.0	10	ND
D022	Chloroform	6.0	0.6	ND
D007	Chromium	5.0	0.5	ND
D023	o-Cresol	200	20	ND
D024	m-Cresol	200	20	ND
D025	p-Cresol	200	20	ND
D026	Cresol	200	20	ND
D016	2,4-D	10.0	1	ND
D027	1,4-Dichlorobenzene	7.5	0.75	ND
D028	1,2-Dichloroethane	0.5	0.05	ND
D029	1,1-Dichloroethylene	0.7	0.07	ND
D030	2,4-Dinitrotoluene	0.13	0.013	ND
D012	Endrin	0.02	0.002	ND
D031	Heptachlor(and its hydroxide)	0.008	0.004	ND
D032	Hexachlorobenzene	0.13	0.013	ND
D033	Hexachloro-1,3-butadiene	0.5	0.05	ND
D034	Hexachloroethane	3.0	0.3	ND
D008	Lead	5.0	0.5	ND
D013	Lindane	0.4	0.04	ND
D009	Mercury	0.2	0.02	ND
D014	Methoxychlor	10.0	1	ND
D035	Methyl ethyl ketone	200.0	20	ND
D036	Nitrobenzene	2.0	0.2	ND
D037	Pentachlorophenol	100.0	10	ND
D038	Pyridine	5.0	0.5	ND
D010	Selenium	1.0	0.1	ND
D011	Silver	5.0	0.5	ND
D039	Tetrachloroethylene	0.7	0.07	ND
D015	Toxaphene	0.5	0.05	ND
D040	Trichloroethylene	0.5	0.05	ND
D041	2,4,5-Trichlorophenol	400.0	40	ND
D042	2,4,6-Trichlorophenol	2.0	0.2	ND
D017	2,4,5-TP (Silvex)	1.0	0.1	ND
D043	Vinyl chloride	0.20	0.02	ND
--				
--				
--				

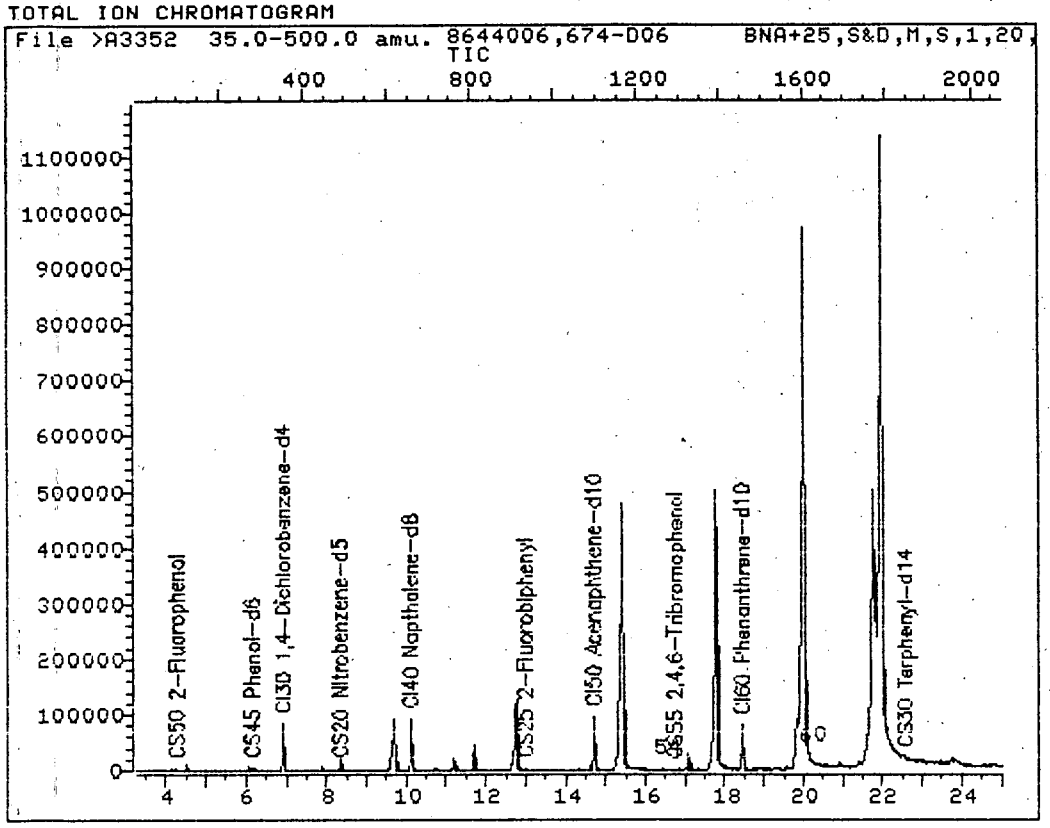
ND = None Detected

DATA FROM FILE: G2652 SCANS 200 TO 2100 ACQUIRED: 06/19/91 16:36:00
CALI: G2652 #2
SAMPLE: S&D ENVIRONMENTAL 8644006/674-D06, REC'D 6/13/91
CONDS.: 100UL(4G/10MLS)/5MLS,INST.G



00103

TOTAL ION CHROMATOGRAM



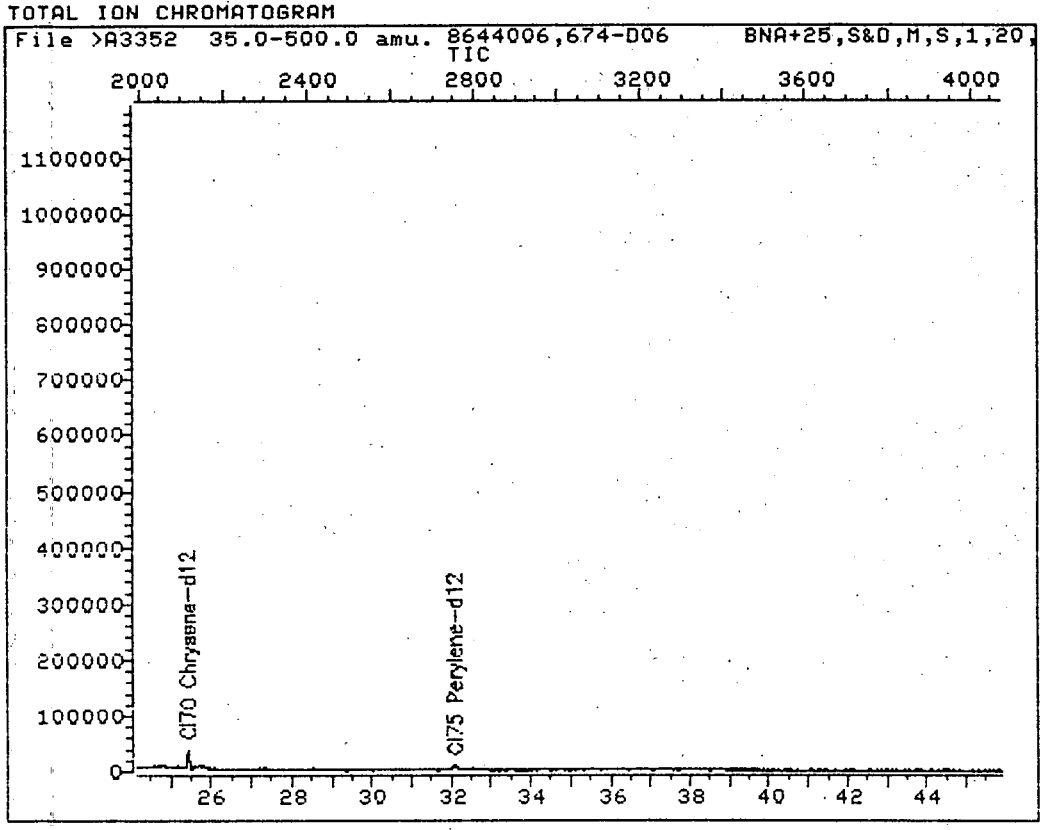
Data File: >A3352::D2 Quant Output File: ^A3352::QT
Name: 8644006,674-D06
Misc: BNA+25,S&D,M,S,1,20,D80,,R6/13,E6/18,INST:A BTL#38

Id File: CLPA1::SC
Title: ACID,BASE & NEUTRALS CLP COMPOUNDS
Last Calibration: 910620 12:20

Operator ID: NYTEST1
Quant Time: 910620 19:03
Injected at: 910620 18:14

TIC page 1 of 2

TOTAL ION CHROMATOGRAM



Data File: >A3352::D2 Quant Output File: ^A3352::QT
Name: 8644006,674-D06
Misc: BNA+25,S&D,M,S,1,20,D80,,R6/13,E6/18,INST:A BTL#38

Id File: CLPA1::SC
Title: ACID,BASE & NEUTRALS CLP COMPOUNDS
Last Calibration: 910620 12:20

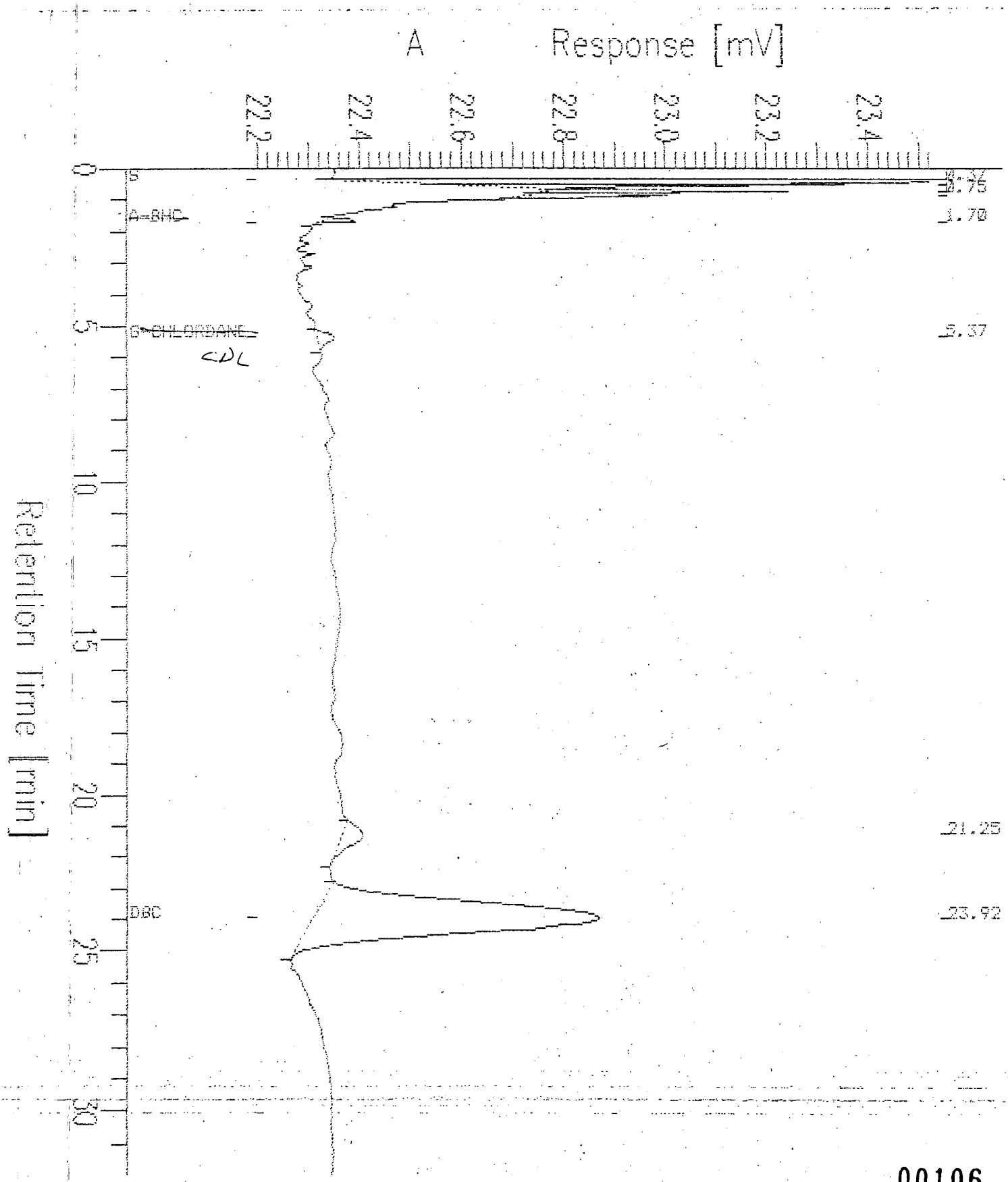
Operator ID: NYTEST1
Quant Time: 910620 19:03
Injected at: 910620 18:14

TIC page 2 of 2

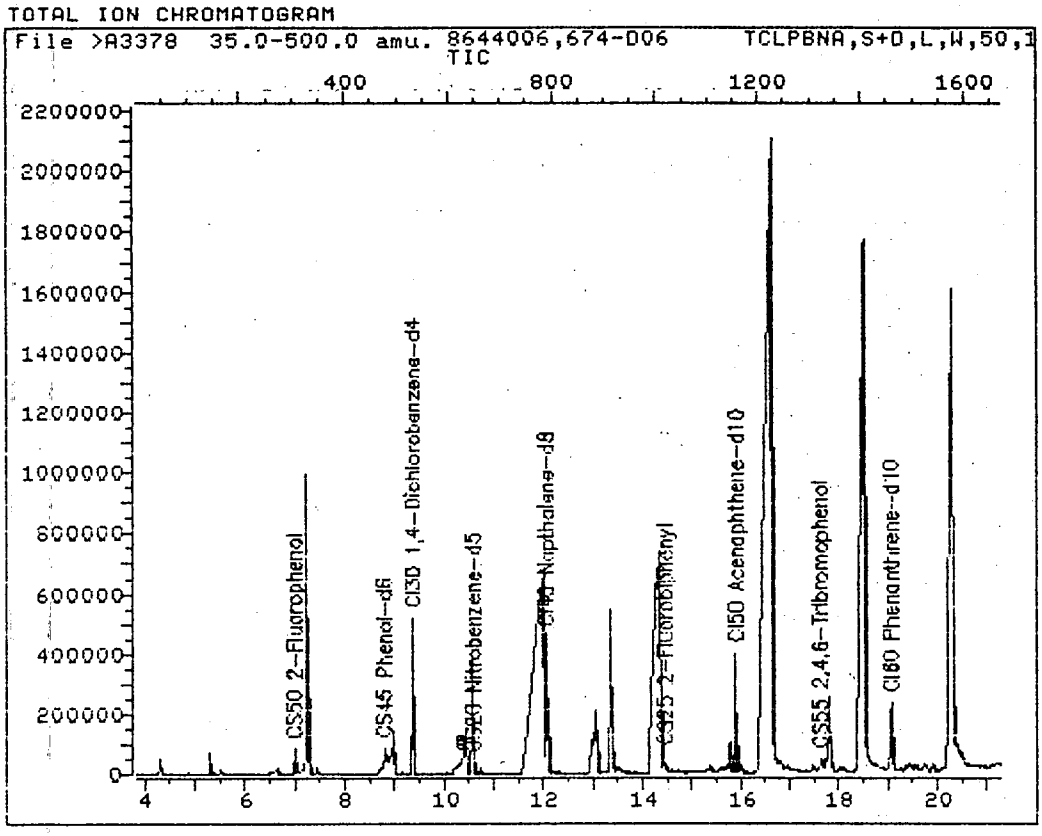
S+D Chromatogram N8644006 674-D06

FileName : C:\2700\DATA1\b06g011.raw
Date : 06/27/91 03:25 PM

Start Time : 0.00 min
End Time : 32.00 min
Low Point : 22.20 mV
High Point : 23.54 mV
Scale Factor: 1
Plot Offset: 22 mV
Plot Scale: 1 mV



TOTAL ION CHROMATOGRAM



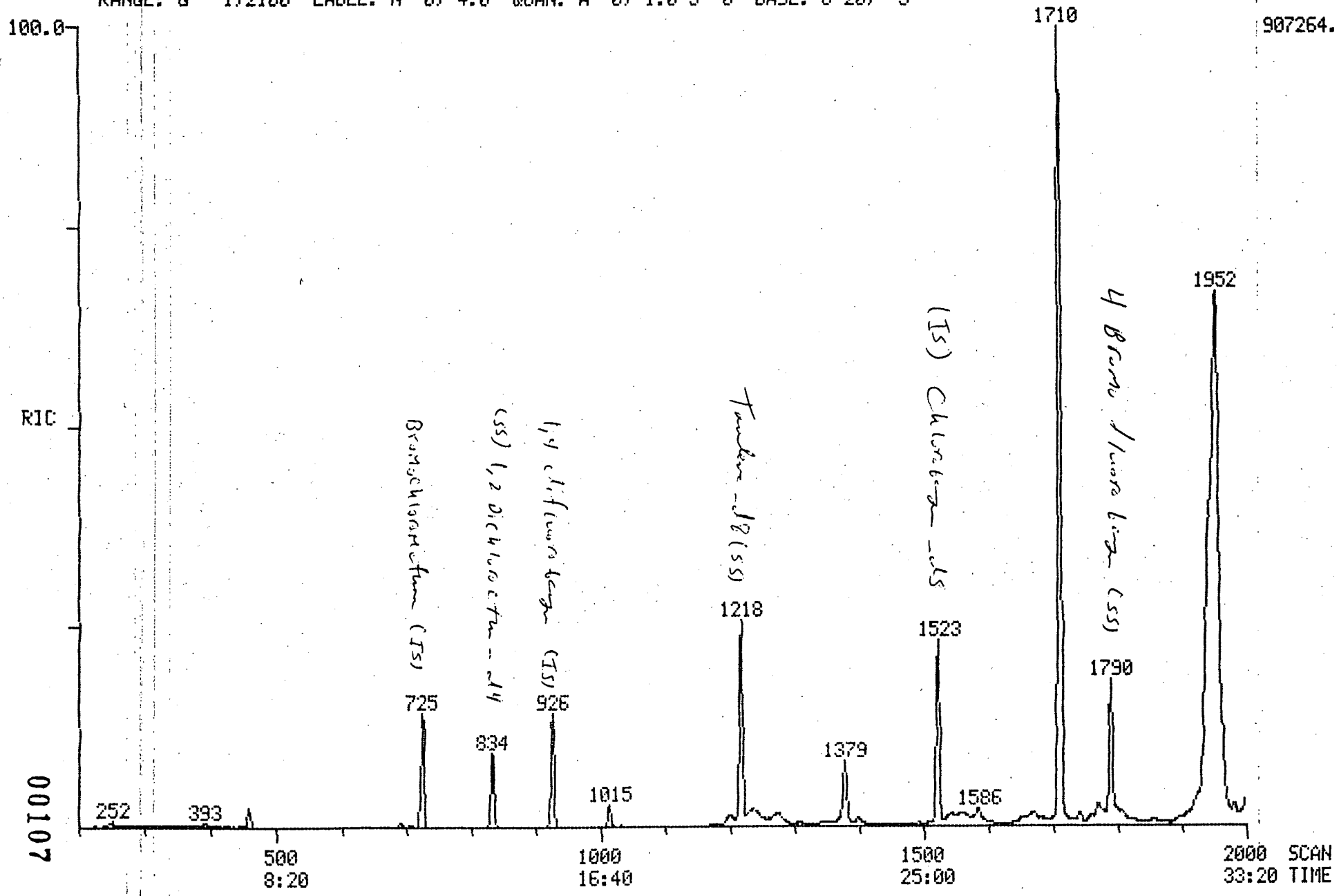
Data File: >A3378::D2 Quant Output File: ^A3378::QT
Name: 8644006,674-D06
Misc: TCLPBNA,S+D,L,W,50,1,D10,,R6/13,E6/19,INST:A,#1,(s+d) BTL#61

Id File: TCLPA::AQ
Title: ACID,BASE & NEUTRALS CLP COMPOUNDS
Last Calibration: 910624 07:29

Operator ID: NYTEST1
Quant Time: 910624 09:02
Injected at: 910622 01:01

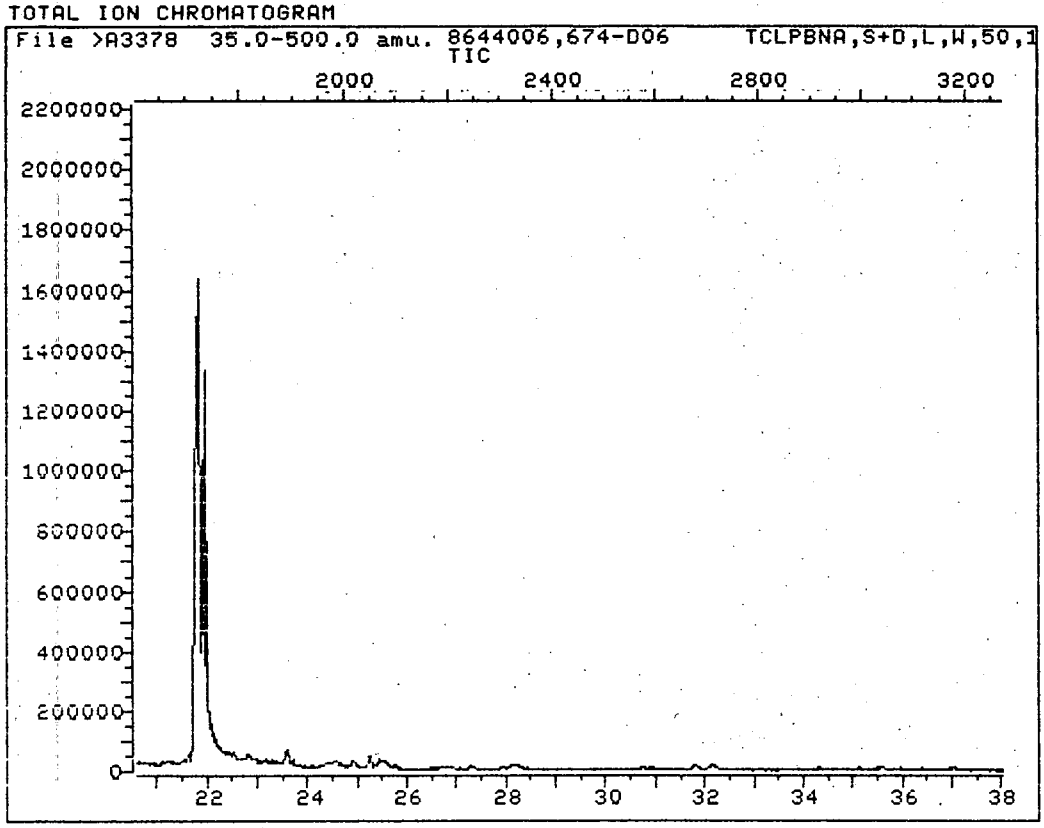
TIC page 1 of 2

RIC DATA: G2706 #1 SCANS 200 TO 2000
06/25/91 16:31:00 CALI: G2706 #2
SAMPLE: S&D ENV.,674-D06/8644006,REC'D 6/13/91
CONDS.: 100UL/5MLS,INST.G(TCLP)
RANGE: G 1,2100 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3



00107

TOTAL ION CHROMATOGRAM



Data File: >A3378::D2 Quant Output File: ^A3378::QT
Name: 8644006,674-D06
Misc: TCLPBNA,S+D,L,W,50,1,D10,,R6/13,E6/19,INST:A,#1,(s+d) BTL#61

Id File: TCLPA::AQ
Title: ACID,BASE & NEUTRALS CLP COMPOUNDS
Last Calibration: 910624 07:29

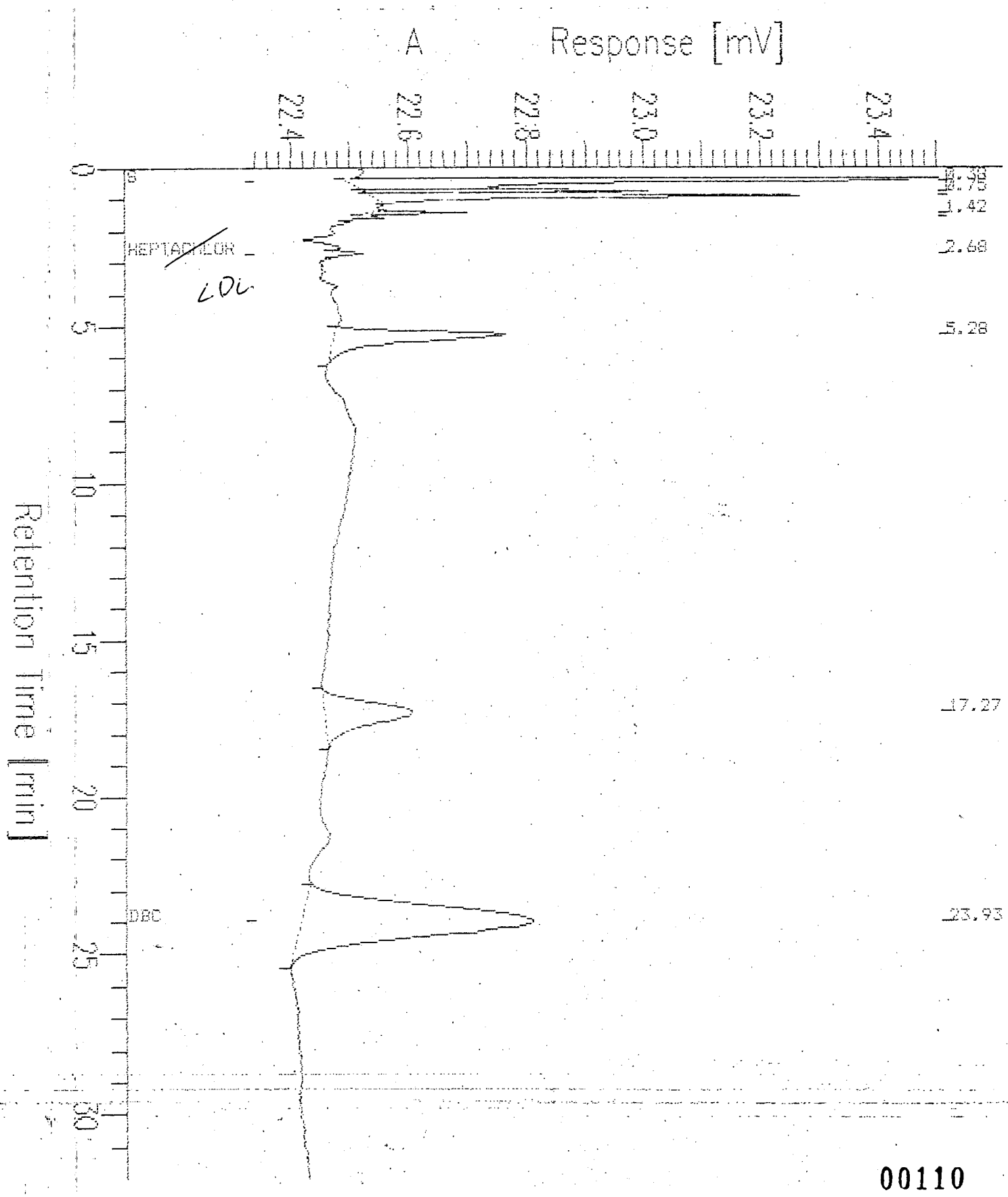
Operator ID: NYTEST1
Quant Time: 910624 09:02
Injected at: 910622 01:01

TIC page 2 of 2

STD Chromatogram N8644006 674-D06

FileName : C:\2700\DATA1\b06g023.raw
Date : 06/27/91 03:43 PM

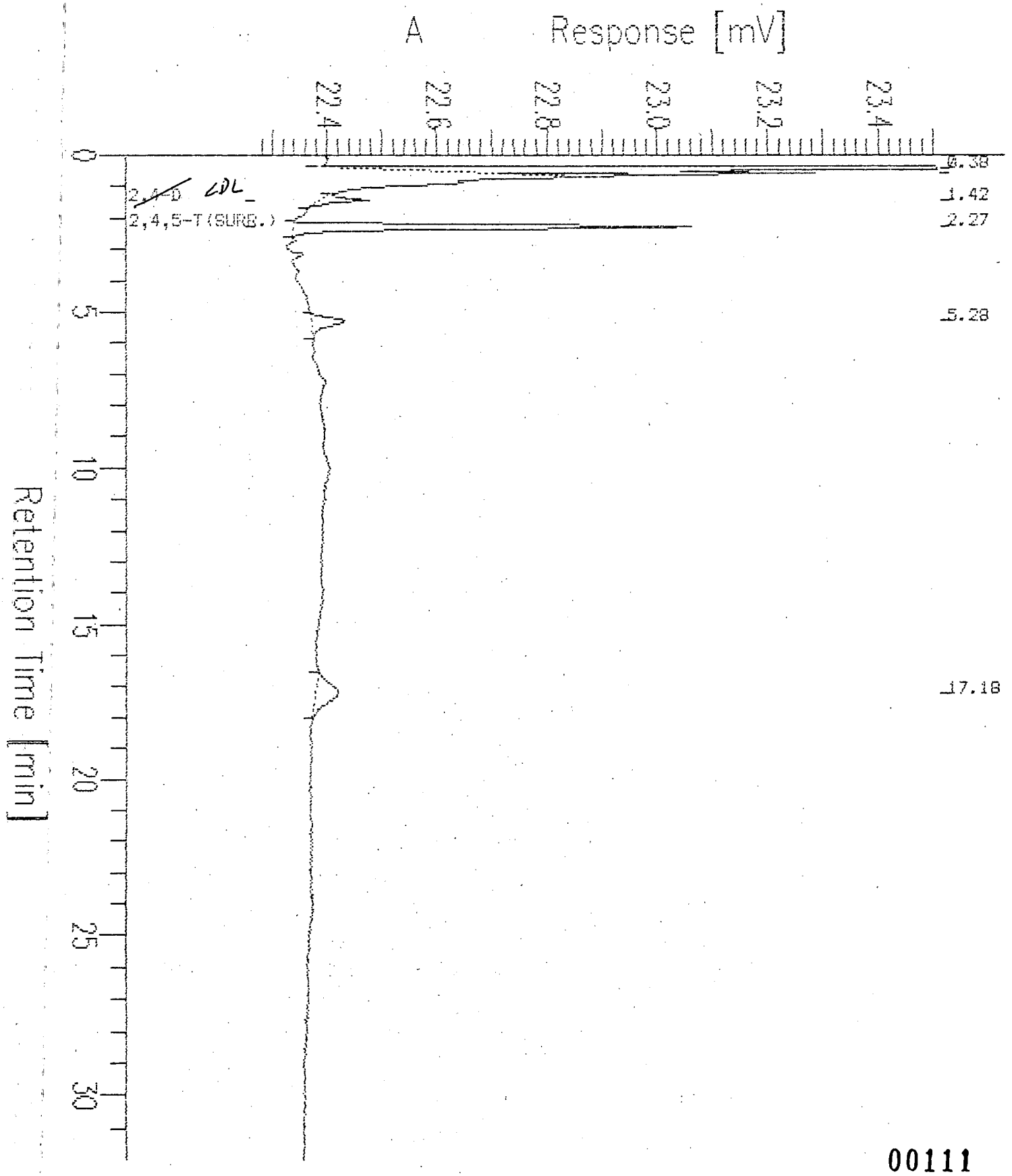
Start Time : 0.00 min
End Time : 32.00 min
Low Point : 22.34 mV
High Point : 23.50 mV
Scale Factor: 1
Plot Offset: 22 mV
Plot Scale: 1 mV



S+D Chromatogram N8644006 674-D06

FileName : C:\2700\DATA1\b06g035.raw
Date : 06/27/91 04:08 PM

Start Time : 0.00 min
End Time : 32.00 min
Low Point : 22.27 mV
High Point : 23.51 mV
Scale Factor: 1
Plot Offset: 22 mV
Plot Scale: 1 mV



1A-P

NYTEST ENVIRONMENTAL INC.

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE MATRIX: SOIL
CONC. LEVEL: MED
ANALYSIS DATE: 6/19/91

SAMPLE ID: 674-D07
LAB ID: 8644007
DIL FACTOR: 1.00
% MOISTURE: NA

CMPD #	CAS Number	VOLATILE COMPOUNDS	UG/KG
1	74-87-3	Chloromethane	1250.0 U.
2	74-83-9	Bromomethane	1250.0 U.
3	75-01-4	Vinyl Chloride	1250.0 U.
4	75-00-3	Chloroethane	1250.0 U.
5	75-09-2	Methylene Chloride	625.0 U.
6	67-64-1	2-Propanone	180.0 J.
7	75-15-0	Carbon disulfide	625.0 U.
8	75-35-4	1,1-Dichloroethene	625.0 U.
9	75-34-3	1,1-Dichloroethane	625.0 U.
10	540-59-0	1,2-Dichloroethene (total)	625.0 U.
11	67-66-3	Chloroform	625.0 U.
12	107-06-2	1,2-Dichloroethane	625.0 U.
13	78-93-3	2-Butanone	1400.0 T.
14	71-55-6	1,1,1-Trichloroethane	625.0 U.
15	56-23-5	Carbon Tetrachloride	625.0 U.
16	108-05-4	Vinyl Acetate	1250.0 U.
17	75-27-4	Bromodichloromethane	625.0 U.
18	78-87-5	1,2-Dichloropropane	625.0 U.
19	10061-01-5	cis-1,3-Dichloropropene	625.0 U.
20	79-01-6	Trichloroethene	625.0 U.
21	124-48-1	Dibromochloromethane	625.0 U.
22	79-00-5	1,1,2-Trichloroethane	625.0 U.
23	71-43-2	Benzene	625.0 U.
24	10061-02-6	Trans-1,3-Dichloropropene	625.0 U.
25	75-25-2	Bromoform	625.0 U.
26	108-10-1	4-Methyl-2-Pentanone	510.0 J.
27	591-78-6	2-Hexanone	2600.0 T.
28	127-18-4	Tetrachloroethene	625.0 U.
29	79-34-5	1,1,2,2-Tetrachloroethane	625.0 U.
30	108-88-3	Toluene	7900.0 T.
31	108-90-7	Chlorobenzene	625.0 U.
32	100-41-4	Ethylbenzene	3100.0 T.
33	100-42-5	Styrene	460.0 J.
34	1330-20-7	Xylene (total)	26000.0 T.
35	107-02-8	Acrolein	12500.0 U.
36	107-13-1	Acrylonitrile	12500.0 U.
37	110-75-8	2-Chloroethylvinylether	1250.0 U.
38		Dichlorodifluoromethane	1250.0 U.
39		Dichlorobenzene (total)	3750.0 U.
40			
41			

1B-P

NYTEST ENVIRONMENTAL INC.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE MATRIX: SOIL
CONC. LEVEL: MED
EXTRACTION DATE: 6/18/91
ANALYSIS DATE: 6/20/91

SAMPLE ID: 674-D07
LAB ID: 8644007
DIL FACTOR: 80.00
% MOISTURE: NA

UG/KG

CMPD #	CAS Number	BASE NEUTRAL COMPOUNDS	UG/KG
1	111-44-4	bis(2-Chloroethyl)ether	1600000.0 U.
2	541-73-1	1,3-Dichlorobenzene	1600000.0 U.
3	106-46-7	1,4-Dichlorobenzene	1600000.0 U.
4	95-50-1	1,2-Dichlorobenzene	1600000.0 U.
5	39638-32-9	bis(2-chloroisopropyl)ether	1600000.0 U.
6	621-64-7	N-Nitroso-Di-n-Propylamine	1600000.0 U.
7	67-72-1	Hexachloroethane	1600000.0 U.
8	98-95-3	Nitrobenzene	1600000.0 U.
9	78-59-1	Isophorone	1600000.0 U.
10	111-91-1	bis(2-chloroethoxy)Methane	1600000.0 U.
11	120-82-1	1,2,4-Trichlorobenzene	1600000.0 U.
12	106-47-8	4-Chloroaniline	1600000.0 U.
13	87-68-3	Hexachlorobutadiene	1600000.0 U.
14	91-57-6	2-Methylnaphthalene	1600000.0 U.
15	77-47-4	Hexachlorocyclopentadiene	1600000.0 U.
16	91-58-7	2-Chloronaphthalene	1600000.0 U.
17	88-74-4	2-Nitroaniline	7920000.0 U.
18	131-11-3	Dimethyl Phthalate	1600000.0 U.
19	99-09-2	3-Nitroaniline	7920000.0 U.
20	132-64-9	Dibenzofuran	1600000.0 U.
21	121-14-2	2,4-Dinitrotoluene	1600000.0 U.
22	606-20-2	2,6-Dinitrotoluene	1600000.0 U.
23	84-66-2	Diethylphthalate	1600000.0 U.
24	7005-72-3	4-Chlorophenyl-phenylether	1600000.0 U.
25	100-01-6	4-Nitroaniline	7920000.0 U.
26	86-30-6	N-Nitrosodiphenylamine	130000.0 J.
27	101-55-3	4-Bromophenyl-phenylether	1600000.0 U.
28	118-74-1	Hexachlorobenzene	1600000.0 U.
29	84-74-2	Di-n-Butylphthalate	25000.0 J.
30	85-68-7	Butylbenzylphthalate	1600000.0 U.
31	91-94-1	3,3'-Dichlorobenzidine	3168000.0 U.
32	117-81-7	bis(2-Ethylhexyl)Phthalate	590000.0 J.
33	11784-0	Di-n-Octyl Phthalate	1600000.0 U.
34	62-75-9	N-Nitrosodimethylamine	1600000.0 U.
35	62-53-3	Aniline	1600000.0 U.
36	92-87-5	Benzidine	13000000.0 U.
37		Dioxin (Screen)	ND
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CMPD #	CAS Number	BASE NEUTRAL/PAH COMPOUNDS	UG/KG
42	91-20-3	Naphthalene	130000.0 J.
43	208-96-8	Acenaphthylene	1600000.0 U.
44	83-32-9	Acenaphthene	1600000.0 U.
45	86-73-7	Fluorene	1600000.0 U.
46	85-01-8	Phenanthrene	1600000.0 U.
47	120-12-7	Anthracene	1600000.0 U.
48	206-44-0	Fluoranthene	1600000.0 U.
49	129-00-0	Pyrene	1600000.0 U.
50	56-55-3	Benzo(a)Anthracene	1600000.0 U.
51	218-01-9	Chrysene	1600000.0 U.
52	205-99-2	Benzo(b)Fluoranthene	1600000.0 U.
53	207-08-9	Benzo(k)Fluoranthene	1600000.0 U.
54	50-32-8	Benzo(a)Pyrene	1600000.0 U.
55	193-39-5	Indeno(1,2,3-cd)Pyrene	1600000.0 U.
56	53-70-3	Dibenz(a,h)Anthracene	1600000.0 U.
57	191-24-2	Benzo(g,h,i)Perylene	1600000.0 U.
58			
59			
60			
		ACID COMPOUNDS	
61	108-95-2	Phenol	1600000.0 U.
62	95-57-8	2-Chlorophenol	1600000.0 U.
63	100-51-6	Benzyl Alcohol	1600000.0 U.
64	95-48-7	2-Methylphenol	1600000.0 U.
65	106-44-5	4-Methylphenol	1600000.0 U.
66	88-75-5	2-Nitrophenol	1600000.0 U.
67	105-67-9	2,4-Dimethylphenol	1600000.0 U.
68	65-85-0	Benzoic Acid	7920000.0 U.
69	120-83-2	2,4-Dichlorophenol	1600000.0 U.
70	59-50-7	4-Chloro-3-Methylphenol	1600000.0 U.
71	88-6-2	2,4,6-Trichlorophenol	1600000.0 U.
72	95-95-4	2,4,5-Trichlorophenol	7920000.0 U.
73	51-28-5	2,4-Dinitrophenol	7920000.0 U.
74	100-02-7	4-Nitrophenol	7920000.0 U.
75	534-52-1	4,6-Dinitro-2-Methylphenol	7920000.0 U.
76	87-86-5	Pentachlorophenol	7920000.0 U.
77			
78			
79			
80			

1C

NYTEST ENVIRONMENTAL INC.

TENTATIVELY IDENTIFIED ORGANICS COMPOUND

SAMPLE ID: 674-D07

OF TIC FOUND: 13

LAB ID: 8644007

MATRIX: SOIL

FRACTION: VOA

CAS Number	Compound Name	RT	Estimated Concentration UG/KG
1	UNKNOWN ALKANE	21:06	3700 J
2	UNKNOWN CYCLO ALKANE	26:17	1300 J
3	UNKNOWN ALKANE	26:42	6900 J
4	UNKNOWN KETONE	28:27	36000 J
5	UNKNOWN KETONE	28:47	2800 J
6	UNKNOWN CYCLO ALKANE	28:49	2600 J
7	SUBSTITUTED BENZENE	29:16	14000 J
8	SUBSTITUTED BENZENE	30:53	41000 J
9	UNKNOWN HYDROCARBON	31:17	190000 J
10	UNKNOWN HYDROCARBON	31:39	110000 J
11	UNKNOWN ALKANE	31:55	7200 J
12	UNKNOWN HYDROCARBON	32:22	87000 J
13	UNKNOWN HYDROCARBON	33:09	260000 J
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1C

NYTEST ENVIRONMENTAL INC.

TENTATIVELY IDENTIFIED ORGANICS COMPOUND

SAMPLE ID: 674-D07

OF TIC FOUND: 25

LAB ID: 8644007

MATRIX: SOIL

FRACTION: BNA

CAS Number	Compound Name	RT	Estimated Concentration UG/KG
1	ETHYL METHYL BENZENE ISOMER	5.93	1600000 J
2	SUBSTITUTED BENZENE	6.06	900000 J
3	ETHYL METHYL BENZENE ISOMER	6.30	520000 J
4	SUBSTITUTED BENZENE	6.55	4100000 J
5	SUBSTITUTED BENZENE	7.11	1200000 J
6	UNKNOWN ACID	9.69	5800000 J
7	SUBSTITUTED DODECENE	10.19	340000 J
8	UNKNOWN ACID	11.18	650000 J
9	UNKNOWN KETONE	11.63	390000 J
10	UNKNOWN ACID	12.71	6600000 J
11	SUBSTITUTED TETRADECENE	13.00	1100000 J
12	UNKNOWN	13.05	1100000 J
13	UNKNOWN HYDROCARBON	13.10	550000 J
14	UNKNOWN ALKENE	13.23	790000 J
15	UNKNOWN ACID	15.34	12000000 J
16	UNKNOWN	15.65	660000 J
17	UNKNOWN HYDROCARBON	15.72	700000 J
18	UNKNOWN ALKENE	15.86	480000 J
19	UNKNOWN ALKANE	17.00	930000 J
20	UNKNOWN ACID	17.74	22000000 J
21	UNKNOWN	19.22	3100000 J
22	UNKNOWN ACID	19.92	45000000 J
23	UNKNOWN	21.36	1500000 J
24	UNKNOWN	21.71	32000000 J
25	UNKNOWN ACID	21.91	120000000 J
26			
27			
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1 D-T

NYTEST ENVIRONMENTAL INC.

TCL PESTICIDE/PCB ORGANICS ANALYSIS DATA SHEET

SAMPLE MATRIX: SOIL
CONC. LEVEL: MED
EXTRACTION DATE: 6/18/91
ANALYSIS DATE: 6/26/91

SAMPLE ID: 674-D07
LAB SAMPLE ID: 8644007
DIL FACTOR: 1.00
% MOISTURE: NA

CMPD #	CAS Number	PESTICIDE/PCB COMPOUND	UG/KG
1	319-84-6	Alpha-BHC	120.000 U.
2	319-85-7	Beta-BHC	120.000 U.
3	319-86-8	Delta-BHC	120.000 U.
4	58-89-9	Gamma-BHC(Lindane)	120.000 U.
5	76-44-8	Heptachlor	120.000 U.
6	309-00-2	Aldrin	120.000 U.
7	1024-57-3	Heptachlor Epoxide	120.000 U.
8	959-98-8	Endosulfan I	120.000 U.
9	60-57-1	Dieldrin	240.000 U.
10	72-55-9	4,4'-DDE	240.000 U.
11	70-20-8	Endrin	240.000 U.
12	33213-65-9	Endosulfan II	240.000 U.
13	72-54-8	4,4-DDD	240.000 U.
14	1031-07-8	Endosulfan Sulfate	240.000 U.
15	50-29-3	4,4'-DDT	240.000 U.
16	53494-70-5	Endrin Ketone	240.000 U.
17	72-43-5	Methoxychlor	1200.000 U.
18	57-74-9	Chlordane	1200.000 U.
19	8001-35-2	Toxaphene	2400.000 U.
20	12674-11-2	Aroclor-1016	1200.000 U.
21	11104-28-2	Aroclor-1221	1200.000 U.
22	11141-16-5	Aroclor-1232	1200.000 U.
23	53469-21-9	Aroclor-1242	1200.000 U.
24	12672-29-6	Aroclor-1248	1200.000 U.
25	11097-69-1	Aroclor-1254	2400.000 U.
26	11096-82-5	Aroclor-1260	2400.000 U.

nytest environmental inc.

Sample Identification and Results

Log In No: 8644

Sample No: 674-D07
Lab Sample ID No: 8644007

Results in mg/kg:

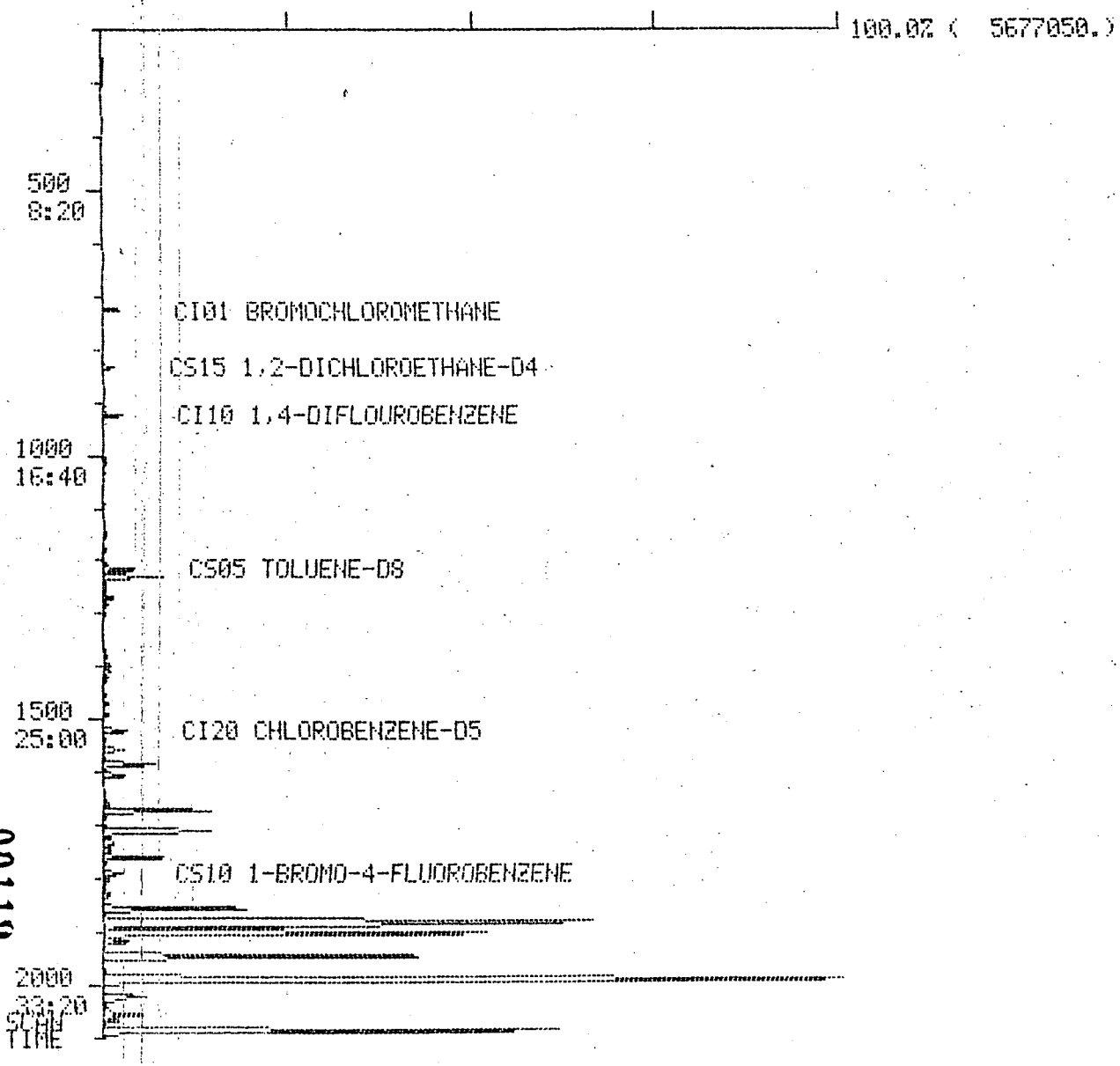
TCL Metals	Found
Aluminum	112.0
Antimony	<5.0
Arsenic	<2.0
Barium	1520.0
Beryllium	<1.0
Cadmium	<1.0
Calcium	1260.0
Chromium	11.5
Cobalt	8.50
Copper	29.8
Iron	5200.0
Lead	15.5
Magnesium	156.0
Manganese	76.0
Mercury	<0.1
Nickel	852.0
Potassium	32.6
Selenium	<1.0
Silver	<5.0
Sodium	1090.0
Thallium	<5.0
Vanadium	<1.0
Zinc	118.0

TCLP Results 2-J Sample ID: 674-D07
Lab ID: 8644007

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
D018	Benzene	0.50	0.05	ND
D006	Cadmium	1.0	0.1	ND
D019	Carbon tetrachloride	0.50	0.05	ND
D020	Chlordane	0.03	0.003	ND
D021	Chlorobenzene	100.0	10	ND
D022	Chloroform	6.0	0.6	ND
D007	Chromium	5.0	0.5	ND
D023	o-Cresol	200	20	ND
D024	m-Cresol	200	20	ND
D025	p-Cresol	200	20	ND
D026	Cresol	200	20	ND
D016	2,4-D	10.0	1	ND
D027	1,4-Dichlorobenzene	7.5	0.75	ND
D028	1,2-Dichloroethane	0.5	0.05	ND
D029	1,1-Dichloroethylene	0.7	0.07	ND
D030	2,4-Dinitrotoluene	0.13	0.013	ND
D012	Endrin	0.02	0.002	ND
D031	Heptachlor(and its hydroxide)	0.008	0.004	ND
D032	Hexachlorobenzene	0.13	0.013	ND
D033	Hexachloro-1,3-butadiene	0.5	0.05	ND
D034	Hexachloroethane	3.0	0.3	ND
D008	Lead	5.0	0.5	ND
D013	Lindane	0.4	0.04	ND
D009	Mercury	0.2	0.02	ND
D014	Methoxychlor	10.0	1	ND
D035	Methyl ethyl ketone	200.0	20	ND
D036	Nitrobenzene	2.0	0.2	ND
D037	Pentachlorophenol	100.0	10	ND
D038	Pyridine	5.0	0.5	ND
D010	Selenium	1.0	0.1	ND
D011	Silver	5.0	0.5	ND
D039	Tetrachloroethylene	0.7	0.07	ND
D015	Toxaphene	0.5	0.05	ND
D040	Trichloroethylene	0.5	0.05	ND
D041	2,4,5-Trichlorophenol	400.0	40	ND
D042	2,4,6-Trichlorophenol	2.0	0.2	ND
D017	2,4,5-TP (Silvex)	1.0	0.1	ND
D043	Vinyl chloride	0.20	0.02	ND
--				
--				
--				

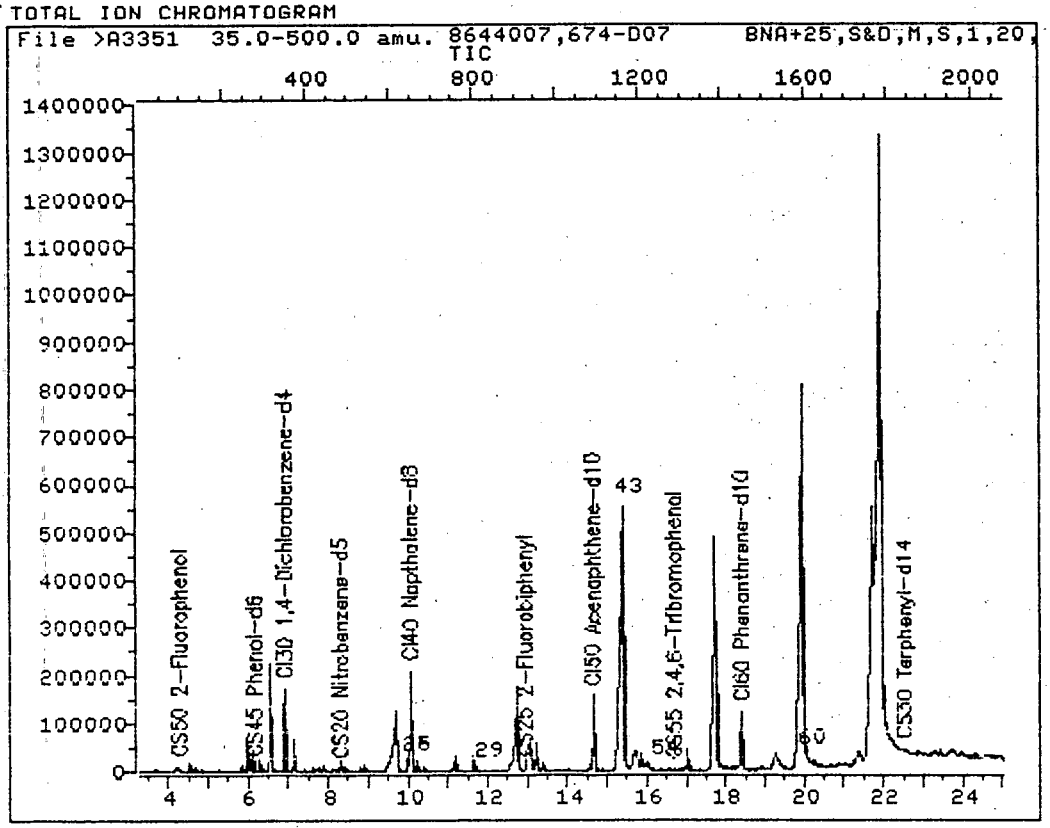
ND = None Detected

DATA FROM FILE: G2653 SCANS 200 TO 2100 ACQUIRED: 06/19/91 17:29:00
CALI: G2653 #2
SAMPLE: S&D ENVIRONMENTAL 8644007/674-D07, REC'D 6/13/91
CONDS.: 100UL(4G/10MLS)/5MLS,INST.G



00119

TOTAL ION CHROMATOGRAM



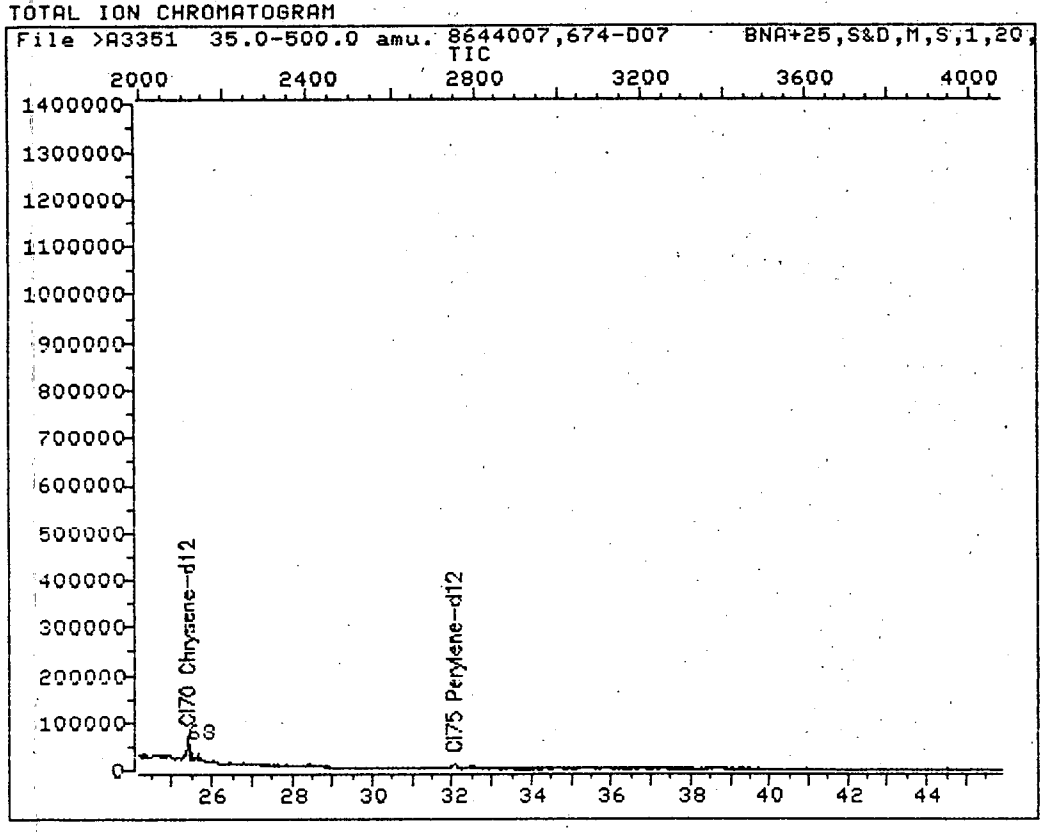
Data File: >A3351::D2 Quant Output File: ^A3351::QT
Name: 8644007,674-D07
Misc: BNA+25,S&D,M,S,1,20,D80,,R6/13,E6/18,INST:A BTL#37

Id File: CLPA1::SC
Title: ACID,BASE & NEUTRALS CLP COMPOUNDS
Last Calibration: 910620 12:20

Operator ID: NYTEST1
Quant Time: 910620 18:10
Injected at: 910620 17:21

TIC page 1 of 2

TOTAL ION CHROMATOGRAM



Data File: >A3351::D2 Quant Output File: ^A3351::QT
Name: 8644007,674-D07
Misc: BNA+25,S&D,M,S,1,20,D80,,R6/13,E6/18,INST:A BTL#37

Id File: CLPA1::SC
Title: ACID,BASE & NEUTRALS CLP COMPOUNDS
Last Calibration: 910620 12:20

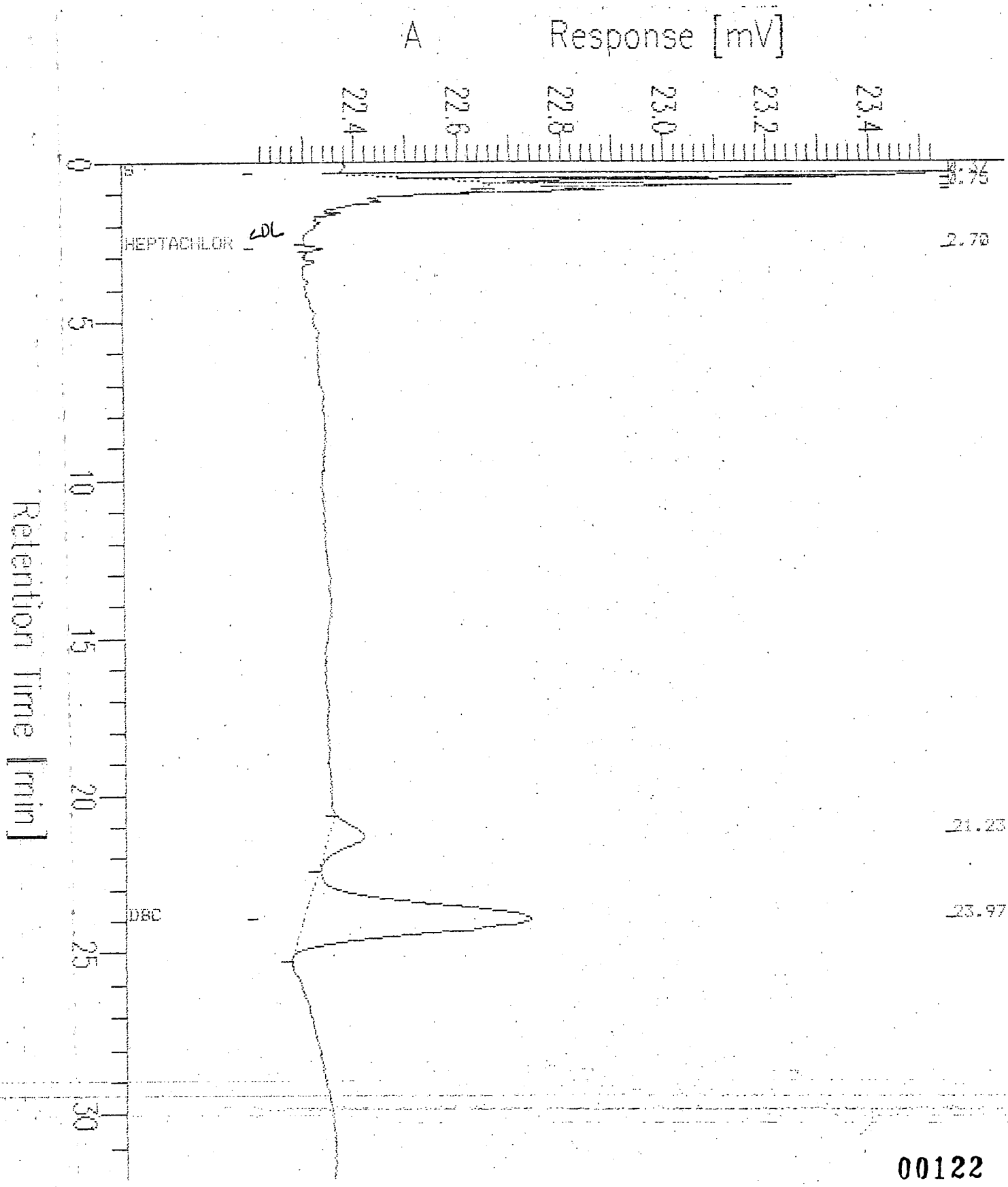
Operator ID: NYTEST1
Quant Time: 910620 18:10
Injected at: 910620 17:21

TIC page 2 of 2

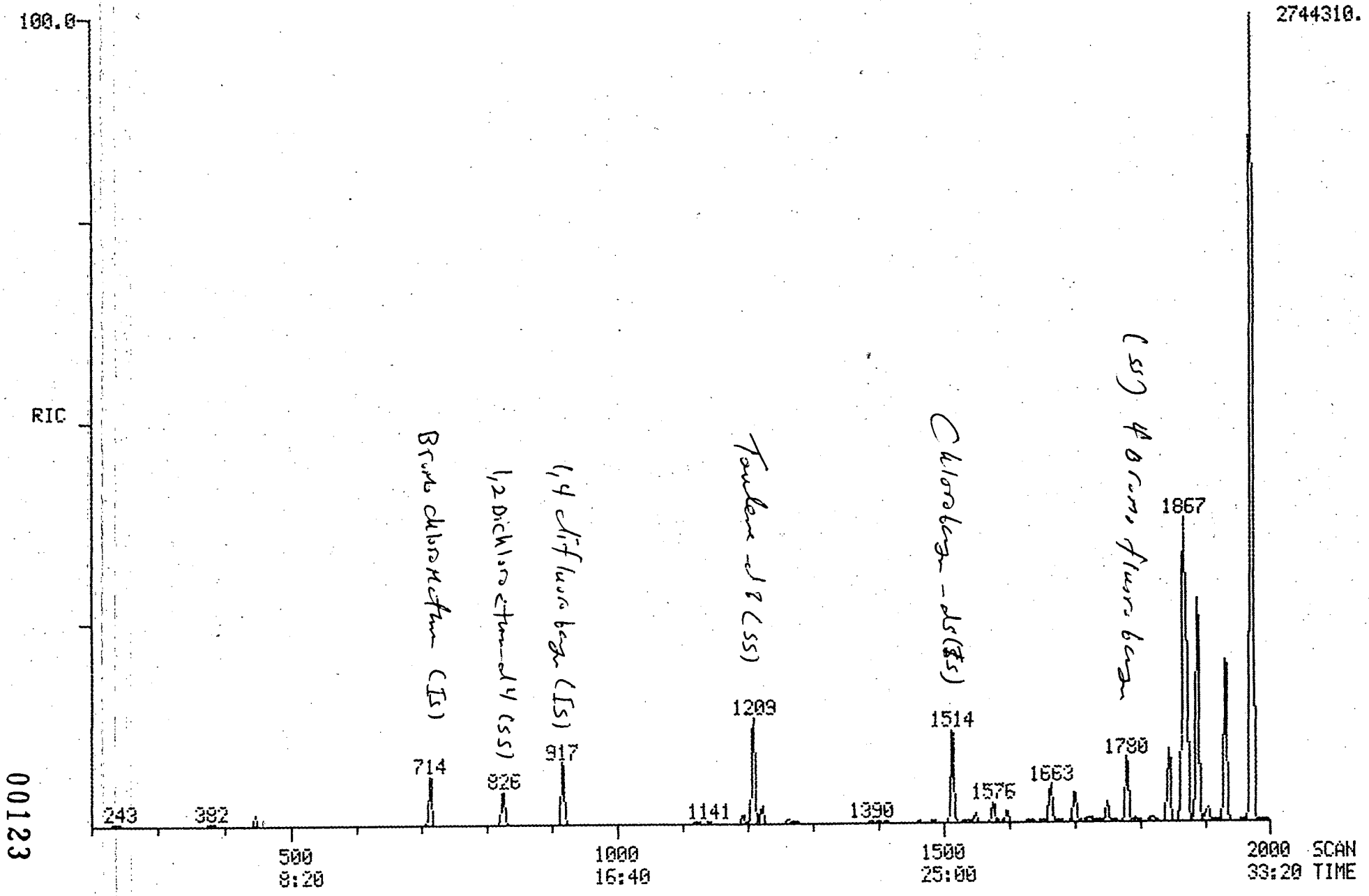
STD Chromatogram N8644007 674-D07

FileName : C:\2700\DATA1\b06g012.raw
Start Time : 0.00 min End Time : 32.00 min
Scale Factor: 1 Plot Offset: 22 mV

Date : 06/27/91 03:25 PM
Low Point : 22.20 mV High Point : 23.54 mV
Plot Scale: 1 mV

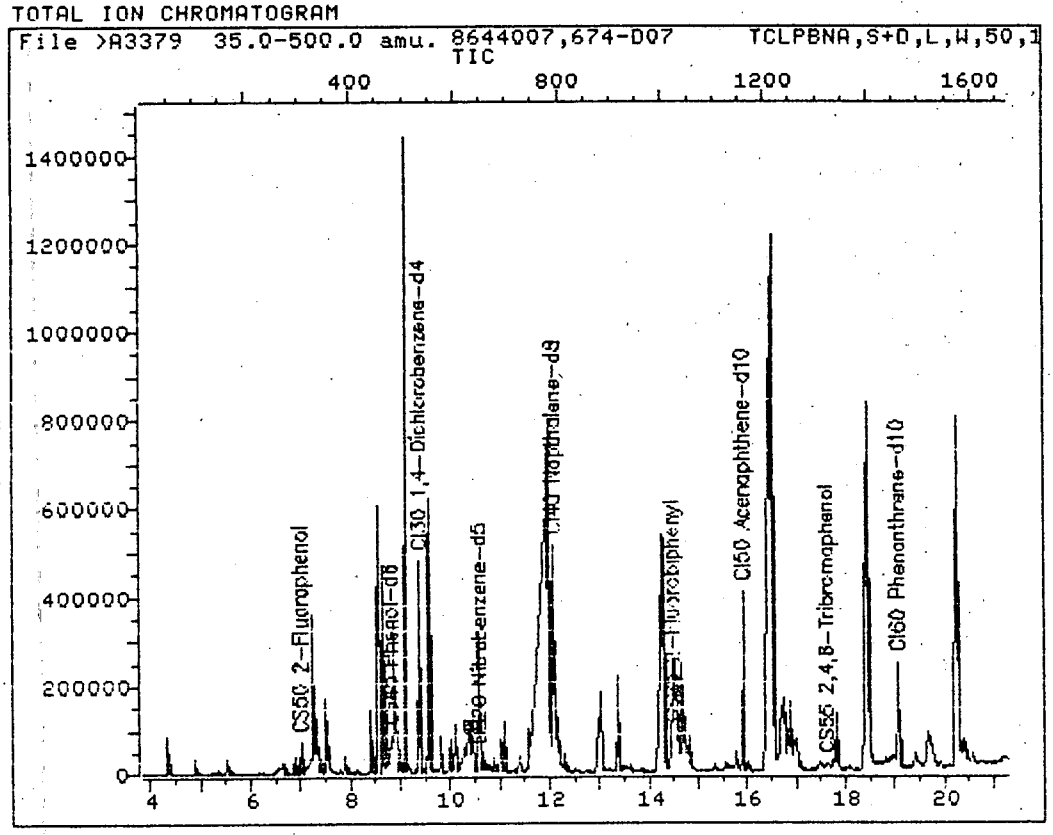


RIC DATA: G2709 #1 SCANS 200 TO 2000
06/25/91 18:41:00 CALI: G2709 #2
SAMPLE: S&D ENV./674-D07/8644007,REC'D 6/13/91
CONDS.: 10UL/5MLS,INST.G(TCLP)
RANGE: G 1,2100 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3



00123

TOTAL ION CHROMATOGRAM



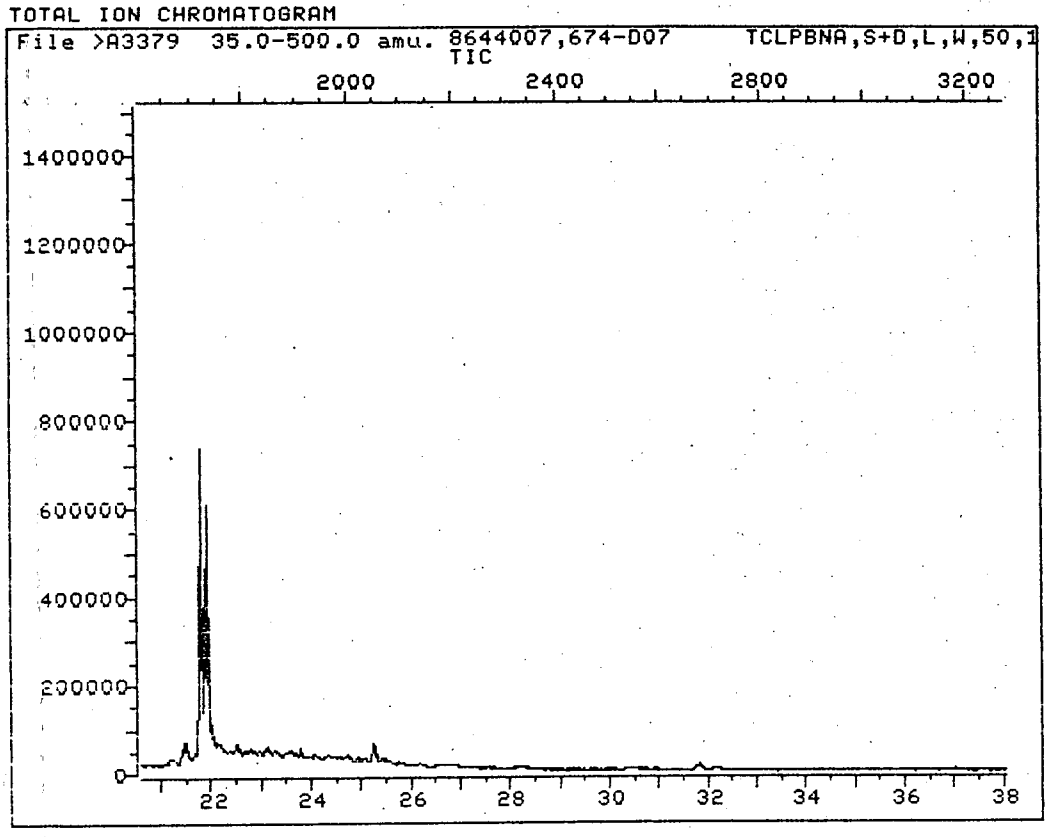
Data File: >A3379::D2 Quant Output File: ^A3379::QT
Name: 8644007,674-D07
Misc: TCLPBNA,S+D,L,W,50,1,D10,,R6/13,E6/19,INST:A,#1,(s+d) BTL#62

Id File: TCLPA::AQ
Title: ACID,BASE & NEUTRALS CLP COMPOUNDS
Last Calibration: 910624 07:29

Operator ID: NYTEST1
Quant Time: 910624 09:03
Injected at: 910622 01:47

TIC page 1 of 2

TOTAL ION CHROMATOGRAM



Data File: >A3379::D2 Quant Output File: ^A3379::QT
Name: 8644007,674-D07
Misc: TCLPBNA,S+D,L,W,50,1,D10,,R6/13,E6/19,INST:A,#1,(s+d) BTL#62

Id File: TCLPA::AQ
Title: ACID,BASE & NEUTRALS CLP COMPOUNDS
Last Calibration: 910624 07:29

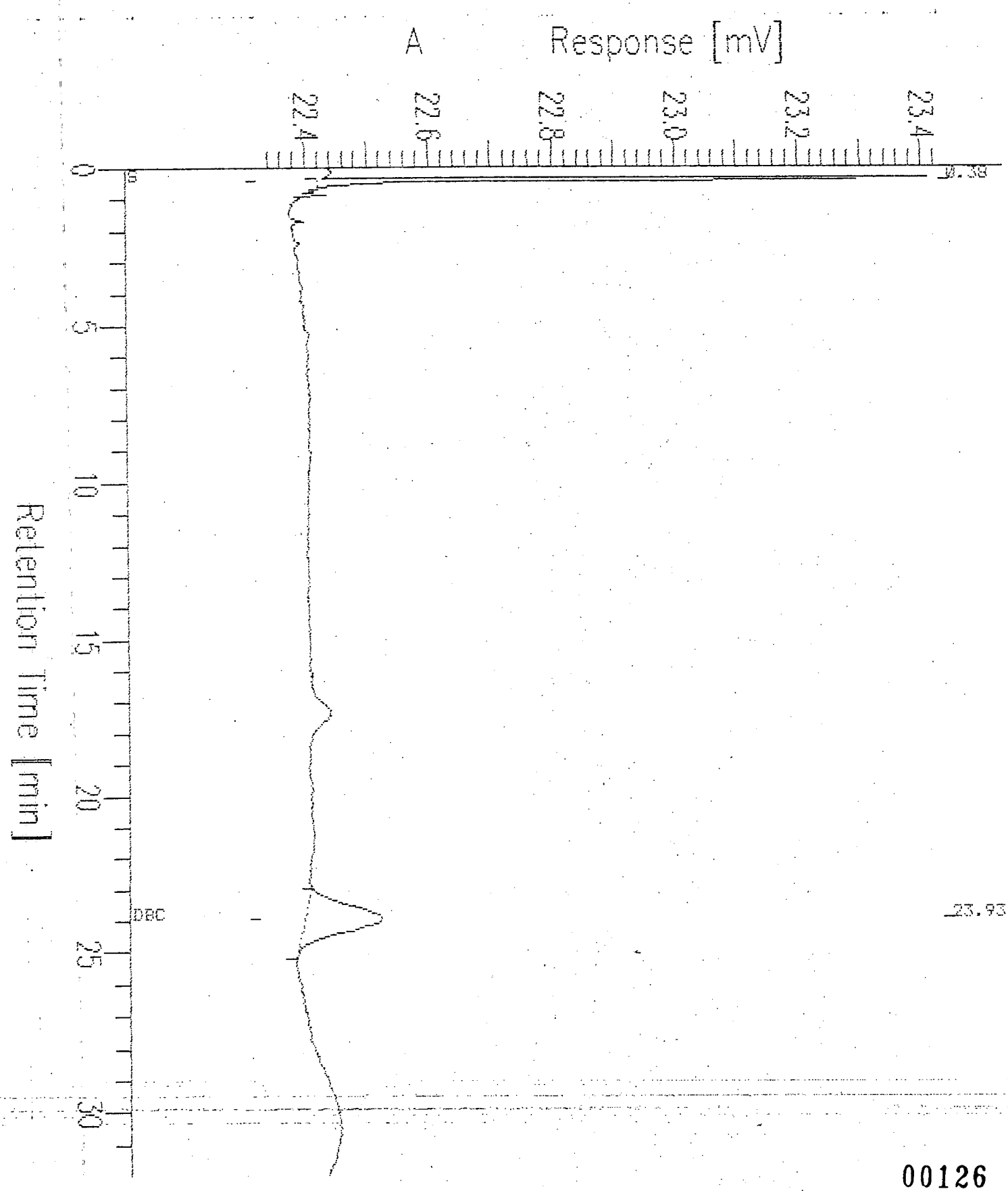
Operator ID: NYTEST1
Quant Time: 910624 09:03
Injected at: 910622 01:47

TIC page 2 of 2

STD Chromatogram N8644007 674-D07

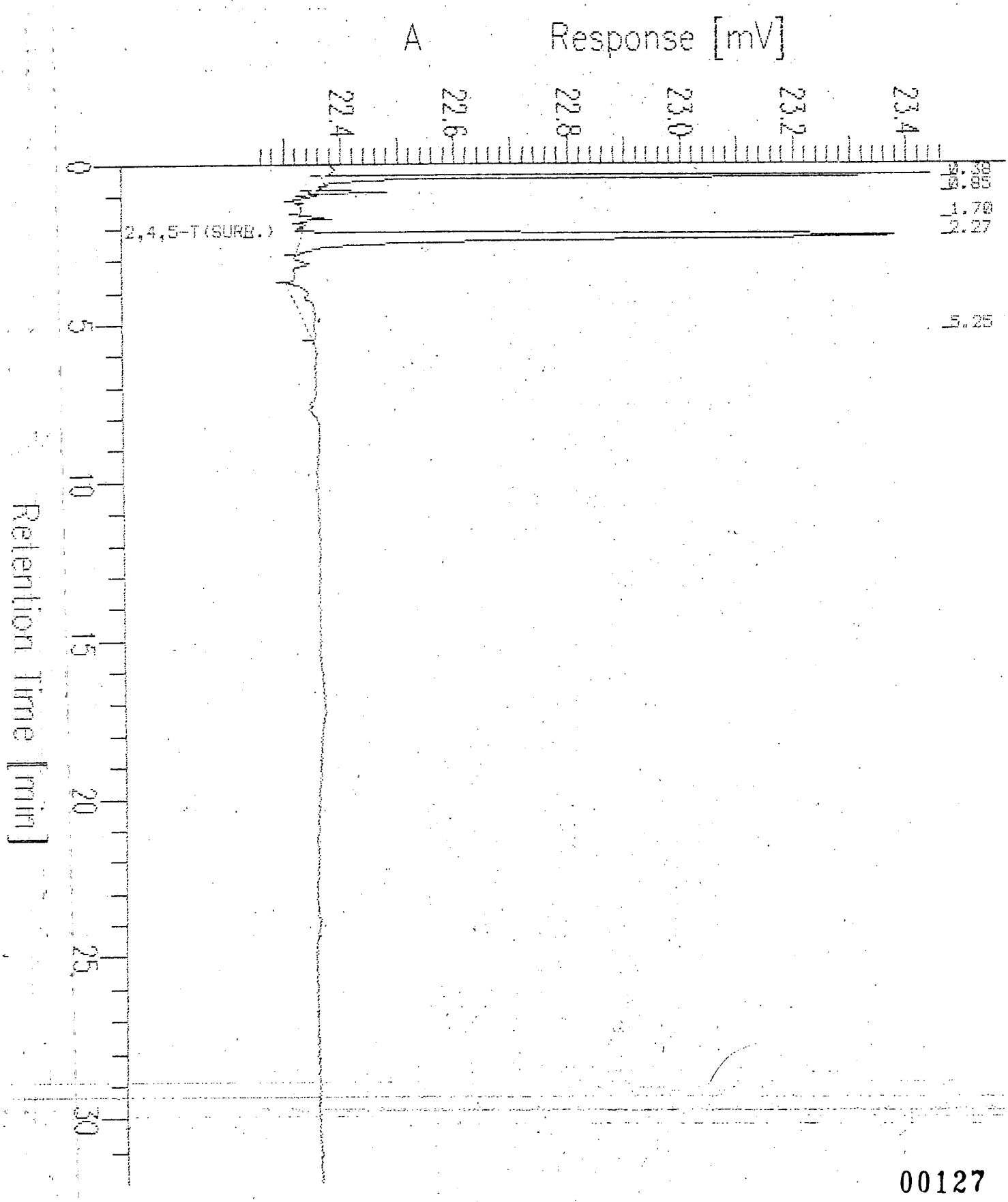
FileName : C:\2700\DATA1\b86q024.raw
Date : 06/27/91 03:47 PM

Start Time : 0.00 min
End Time : 32.00 min
Low Point : 22.32 mV
High Point : 23.43 mV
Scale Factor: 1
Plot Offset: 22 mV
Plot Scale: 1 mV



Ad SFD Chromatogram N8644007 674-D07

FileName : C:\2700\DATA1\b06g036.raw
Date : 06/27/91 04:12 PM
Page 1 of 1
Start Time : 0.00 min
End Time : 32.00 min
Low Point : 22.25 mV
High Point : 23.46 mV
Scale Factor: 1
Plot Offset: 22 mV
Plot Scale: 1 mV



00127

1A-P

NYTEST ENVIRONMENTAL INC.

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE MATRIX: SOIL
CONC. LEVEL: MED
ANALYSIS DATE: 6/19/91

SAMPLE ID: 674-D08
LAB ID: 8644008
DIL FACTOR: 1.00
% MOISTURE: NA

CMPD #	CAS Number	VOLATILE COMPOUNDS	UG/KG
1	74-87-3	Chloromethane	1250.0 U.
2	74-83-9	Bromomethane	1250.0 U.
3	75-01-4	Vinyl Chloride	1250.0 U.
4	75-00-3	Chloroethane	1250.0 U.
5	75-09-2	Methylene Chloride	510.0 JB
6	67-64-1	2-Propanone	25000.0 T.
7	75-15-0	Carbon disulfide	625.0 U.
8	75-35-4	1,1-Dichloroethene	625.0 U.
9	75-34-3	1,1-Dichloroethane	625.0 U.
10	540-59-0	1,2-Dichloroethene (total)	625.0 U.
11	67-66-3	Chloroform	625.0 U.
12	107-06-2	1,2-Dichloroethane	140.0 J.
13	78-93-3	2-Butanone	50000.0 T.
14	71-55-6	1,1,1-Trichloroethane	625.0 U.
15	56-23-5	Carbon Tetrachloride	625.0 U.
16	108-05-4	Vinyl Acetate	1250.0 U.
17	75-27-4	Bromodichloromethane	625.0 U.
18	78-87-5	1,2-Dichloropropane	625.0 U.
19	10061-01-5	cis-1,3-Dichloropropene	625.0 U.
20	79-01-6	Trichloroethene	625.0 U.
21	124-48-1	Dibromochloromethane	625.0 U.
22	79-00-5	1,1,2-Trichloroethane	625.0 U.
23	71-43-2	Benzene	700.0 T.
24	10061-02-6	Trans-1,3-Dichloropropene	625.0 U.
25	75-25-2	Bromoform	625.0 U.
26	108-10-1	4-Methyl-2-Pentanone	1250.0 U.
27	591-78-6	2-Hexanone	1250.0 U.
28	127-18-4	Tetrachloroethene	625.0 U.
29	79-34-5	1,1,2,2-Tetrachloroethane	660.0 T.
30	108-88-3	Toluene	30000.0 T.
31	108-90-7	Chlorobenzene	2500.0 T.
32	100-41-4	Ethylbenzene	78000.0 T.
33	100-42-5	Styrene	6600.0 T.
34	1330-20-7	Xylene (total)	63000.0 T.
35	107-02-8	Acrolein	12500.0 U.
36	107-13-1	Acrylonitrile	12500.0 U.
37	110-75-8	2-Chloroethylvinylether	1250.0 U.
38		Dichlorodifluoromethane	1250.0 U.
39		Dichlorobenzene (total)	3750.0 U.
40			
41			

1B-P

NYTEST ENVIRONMENTAL INC.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE MATRIX: SOIL
CONC. LEVEL: MED
EXTRACTION DATE: 6/18/91
ANALYSIS DATE: 6/20/91

SAMPLE ID: 674-D08
LAB ID: 8644008
DIL FACTOR: 100.00
% MOISTURE: NA

CMPD #	CAS Number	BASE NEUTRAL COMPOUNDS	UG/KG
1	111-44-4	bis(2-Chloroethyl)ether	2000000.0 U.
2	541-73-1	1,3-Dichlorobenzene	2000000.0 U.
3	106-46-7	1,4-Dichlorobenzene	2000000.0 U.
4	95-50-1	1,2-Dichlorobenzene	2000000.0 U.
5	39638-32-9	bis(2-chloroisopropyl)ether	2000000.0 U.
6	621-64-7	N-Nitroso-Di-n-Propylamine	2000000.0 U.
7	67-72-1	Hexachloroethane	2000000.0 U.
8	98-95-3	Nitrobenzene	2000000.0 U.
9	78-59-1	Isophorone	25000000.0 T.
10	111-91-1	bis(2-chloroethoxy)Methane	2000000.0 U.
11	120-82-1	1,2,4-Trichlorobenzene	2000000.0 U.
12	106-47-8	4-Chloroaniline	2000000.0 U.
13	87-68-3	Hexachlorobutadiene	2000000.0 U.
14	91-57-6	2-Methylnaphthalene	1400000.0 J.
15	77-47-4	Hexachlorocyclopentadiene	2000000.0 U.
16	91-58-7	2-Chloronaphthalene	2000000.0 U.
17	88-74-4	2-Nitroaniline	10000000.0 U.
18	131-11-3	Dimethyl Phthalate	2000000.0 U.
19	99-09-2	3-Nitroaniline	10000000.0 U.
20	132-64-9	Dibenzofuran	2000000.0 U.
21	121-14-2	2,4-Dinitrotoluene	2000000.0 U.
22	606-20-2	2,6-Dinitrotoluene	2000000.0 U.
23	84-66-2	Diethylphthalate	2000000.0 U.
24	7005-72-3	4-Chlorophenyl-phenylether	2000000.0 U.
25	100-01-6	4-Nitroaniline	10000000.0 U.
26	86-30-6	N-Nitrosodiphenylamine	250000.0 J.
27	101-55-3	4-Bromophenyl-phenylether	2000000.0 U.
28	118-74-1	Hexachlorobenzene	2000000.0 U.
29	84-74-2	Di-n-Butylphthalate	2000000.0 U.
30	85-68-7	Butylbenzylphthalate	2000000.0 U.
31	91-94-1	3,3'-Dichlorobenzidine	4000000.0 U.
32	117-81-7	bis(2-Ethylhexyl)Phthalate	2900000.0 T.
33	11784-0	Di-n-Octyl Phthalate	380000.0 J.
34	62-75-9	N-Nitrosodimethylamine	2000000.0 U.
35	62-53-3	Aniline	2000000.0 U.
36	92-87-5	Benzidine	16000000.0 U.
37		Dioxin (Screen)	ND
38			
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CMPD #	CAS Number	BASE NEUTRAL/PAH COMPOUNDS	UG/KG
42	91-20-3	Naphthalene	12000000.0 T.
43	208-96-8	Acenaphthylene	2000000.0 U.
44	83-32-9	Acenaphthene	2000000.0 U.
45	86-73-7	Fluorene	2000000.0 U.
46	85-01-8	Phenanthrene	2000000.0 U.
47	120-12-7	Anthracene	2000000.0 U.
48	206-44-0	Fluoranthene	2000000.0 U.
49	129-00-0	Pyrene	2000000.0 U.
50	56-55-3	Benzo(a)Anthracene	2000000.0 U.
51	218-01-9	Chrysene	2000000.0 U.
52	205-99-2	Benzo(b)Fluoranthene	2000000.0 U.
53	207-08-9	Benzo(k)Fluoranthene	2000000.0 U.
54	50-32-8	Benzo(a)Pyrene	2000000.0 U.
55	193-39-5	Indeno(1,2,3-cd)Pyrene	2000000.0 U.
56	53-70-3	Dibenz(a,h)Anthracene	2000000.0 U.
57	191-24-2	Benzo(g,h,i)Perylene	2000000.0 U.
58			
59			
60			
		ACID COMPOUNDS	
61	108-95-2	Phenol	510000.0 J.
62	95-57-8	2-Chlorophenol	2000000.0 U.
63	100-51-6	Benzyl Alcohol	2000000.0 U.
64	95-48-7	2-Methylphenol	2000000.0 U.
65	106-44-5	4-Methylphenol	2000000.0 U.
66	88-75-5	2-Nitrophenol	2000000.0 U.
67	105-67-9	2,4-Dimethylphenol	2000000.0 U.
68	65-85-0	Benzoic Acid	10000000.0 U.
69	120-83-2	2,4-Dichlorophenol	2000000.0 U.
70	59-50-7	4-Chloro-3-Methylphenol	2000000.0 U.
71	88-6-2	2,4,6-Trichlorophenol	2000000.0 U.
72	95-95-4	2,4,5-Trichlorophenol	10000000.0 U.
73	51-28-5	2,4-Dinitrophenol	10000000.0 U.
74	100-02-7	4-Nitrophenol	10000000.0 U.
75	534-52-1	4,6-Dinitro-2-Methylphenol	10000000.0 U.
76	87-86-5	Pentachlorophenol	10000000.0 U.
77			
78			
79			
80			

1C

NYTEST ENVIRONMENTAL INC.

TENTATIVELY IDENTIFIED ORGANICS COMPOUND

SAMPLE ID: 674-D08

OF TIC FOUND: 13

LAB ID: 8644008

MATRIX: SOIL

FRACTION: VOA

CAS Number	Compound Name	RT	Estimated Concentration UG/KG
1	DIMETHYL CYCLOHEXANE ISOMER	20:05	130000 J
2	UNKNOWN KETONE	20:18	300000 J
3	UNKNOWN HYDROCARBON	21:08	49000 J
4	UNKNOWN HYDROCARBON	26:19	61000 J
5	UNKNOWN	26:33	82000 J
6	UNKNOWN	26:35	36000 J
7	UNKNOWN HYDROCARBON	29:17	55000 J
8	UNKNOWN	30:08	70000 J
9	UNKNOWN	30:52	33000 J
10	UNKNOWN	30:54	69000 J
11	UNKNOWN	31:20	200000 J
12	UNKNOWN HYDROCARBON	32:23	100000 J
13	UNKNOWN HYDROCARBON	33:13	180000 J
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1C

NYTEST ENVIRONMENTAL INC.

TENTATIVELY IDENTIFIED ORGANICS COMPOUND

SAMPLE ID: 674-D08

OF TIC FOUND: 25

LAB ID: 8644008

MATRIX: SOIL

FRACTION: BNA

CAS Number	Compound Name	RT	Estimated Concentration UG/KG
1	UNKNOWN	4.79	27000000 J
2	SUBSTITUTED BENZENE	6.04	3300000 J
3	SUBSTITUTED BENZENE	6.53	6600000 J
4	SUBSTITUTED BENZENE	7.11	4000000 J
5	UNKNOWN ALKANE	7.25	3200000 J
6	METHYL PROPYL BENZENE ISOMER	7.61	12000000 J
7	METHYL PROPYL BENZENE ISOMER	7.68	7400000 J
8	ETHYL DIMETHYL BENZENE ISOMER	7.73	11000000 J
9	METHYL PROPYL BENZENE ISOMER	7.91	4100000 J
10	ETHYL DIMETHYL BENZENE ISOMER	8.09	9200000 J
11	ETHYL DIMETHYL BENZENE ISOMER	8.13	8600000 J
12	ETHYL DIMETHYL BENZENE ISOMER	8.24	7700000 J
13	ETHYL DIMETHYL BENZENE ISOMER	8.38	3400000 J
14	ETHYL DIMETHYL BENZENE ISOMER	8.64	4900000 J
15	SUBSTITUTED BENZENE	8.81	11000000 J
16	SUBSTITUTED BENZENE	9.15	1900000 J
17	DIHYDRO METHYL 1H INDENE ISOMER	9.26	9300000 J
18	SUBSTITUTED BENZENE	9.42	2500000 J
19	UNKNOWN ALKENE	9.47	13000000 J
20	SUBSTITUTED BENZENE	9.58	2100000 J
21	UNKNOWN	9.70	2400000 J
22	SUBSTITUTED BENZENE	9.82	3000000 J
23	SUBSTITUTED BENZENE	10.23	2900000 J
24	UNKNOWN ALKANE	11.70	2300000 J
25	UNKNOWN	12.18	4500000 J
26			
27			
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29			
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1 D-T

NYTEST ENVIRONMENTAL INC.

TCL PESTICIDE/PCB ORGANICS ANALYSIS DATA SHEET

SAMPLE MATRIX:	SOIL	SAMPLE ID:	674-D08
CONC. LEVEL:	MED	LAB SAMPLE ID:	8644008
EXTRACTION DATE:	6/18/91	DIL FACTOR:	1.00
ANALYSIS DATE:	6/26/91	% MOISTURE:	NA

CMPD #	CAS Number	PESTICIDE/PCB COMPOUND	UG/KG
1	319-84-6	Alpha-BHC	120.000 U.
2	319-85-7	Beta-BHC	120.000 U.
3	319-86-8	Delta-BHC	120.000 U.
4	58-89-9	Gamma-BHC(Lindane)	120.000 U.
5	76-44-8	Heptachlor	120.000 U.
6	309-00-2	Aldrin	120.000 U.
7	1024-57-3	Heptachlor Epoxide	120.000 U.
8	959-98-8	Endosulfan I	120.000 U.
9	60-57-1	Dieldrin	240.000 U.
10	72-55-9	4,4'-DDE	240.000 U.
11	70-20-8	Endrin	240.000 U.
12	33213-65-9	Endosulfan II	240.000 U.
13	72-54-8	4,4-DDD	240.000 U.
14	1031-07-8	Endosulfan Sulfate	240.000 U.
15	50-29-3	4,4'-DDT	240.000 U.
16	53494-70-5	Endrin Ketone	240.000 U.
17	72-43-5	Methoxychlor	1200.000 U.
18	57-74-9	Chlordane	1200.000 U.
19	8001-35-2	Toxaphene	2400.000 U.
20	12674-11-2	Aroclor-1016	1200.000 U.
21	11104-28-2	Aroclor-1221	1200.000 U.
22	11141-16-5	Aroclor-1232	1200.000 U.
23	53469-21-9	Aroclor-1242	1200.000 U.
24	12672-29-6	Aroclor-1248	1200.000 U.
25	11097-69-1	Aroclor-1254	2400.000 U.
26	11096-82-5	Aroclor-1260	2400.000 U.

nytest environmental inc.

Sample Identification and Results

Log In No: 8644

Sample No: 674-D08
Lab Sample ID No: 8644008

Results in mg/kg:

TCL Metals	Found
Aluminum	2950.0
Antimony	11.2
Arsenic	<2.0
Barium	2520
Beryllium	<1.0
Cadmium	58.9
Calcium	5250.0
Chromium	1040.0
Cobalt	<5.0
Copper	<5.0
Iron	10200.0
Lead	4770.0
Magnesium	410.0
Manganese	13.7
Mercury	<0.1
Nickel	<5.0
Potassium	10.8
Selenium	<1.0
Silver	<5.0
Sodium	185.0
Thallium	<5.0
Vanadium	<1.0
Zinc	92.0

TCLP Results 2-J Sample ID: 674-D08
Lab ID: 8644008

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
D018	Benzene	0.50	0.05	ND
D006	Cadmium	1.0	0.1	0.25
D019	Carbon tetrachloride	0.50	0.05	ND
D020	Chlordane	0.03	0.003	ND
D021	Chlorobenzene	100.0	10	ND
D022	Chloroform	6.0	0.6	ND
D007	Chromium	5.0	0.5	ND
D023	o-Cresol	200	20	ND
D024	m-Cresol	200	20	ND
D025	p-Cresol	200	20	ND
D026	Cresol	200	20	ND
D016	2,4-D	10.0	1	ND
D027	1,4-Dichlorobenzene	7.5	0.75	ND
D028	1,2-Dichloroethane	0.5	0.05	ND
D029	1,1-Dichloroethylene	0.7	0.07	ND
D030	2,4-Dinitrotoluene	0.13	0.013	ND
D012	Endrin	0.02	0.002	ND
D031	Heptachlor(and its hydroxide)	0.008	0.004	ND
D032	Hexachlorobenzene	0.13	0.013	ND
D033	Hexachloro-1,3-butadiene	0.5	0.05	ND
D034	Hexachloroethane	3.0	0.3	ND
D008	Lead	5.0	0.5	ND
D013	Lindane	0.4	0.04	ND
D009	Mercury	0.2	0.02	ND
D014	Methoxychlor	10.0	1	ND
D035	Methyl ethyl ketone	200.0	20	ND
D036	Nitrobenzene	2.0	0.2	ND
D037	Pentachlorophenol	100.0	10	ND
D038	Pyridine	5.0	0.5	ND
D010	Selenium	1.0	0.1	ND
D011	Silver	5.0	0.5	ND
D039	Tetrachloroethylene	0.7	0.07	ND
D015	Toxaphene	0.5	0.05	ND
D040	Trichloroethylene	0.5	0.05	ND
D041	2,4,5-Trichlorophenol	400.0	40	ND
D042	2,4,6-Trichlorophenol	2.0	0.2	ND
D017	2,4,5-TP (Silvex)	1.0	0.1	ND
D043	Vinyl chloride	0.20	0.02	ND
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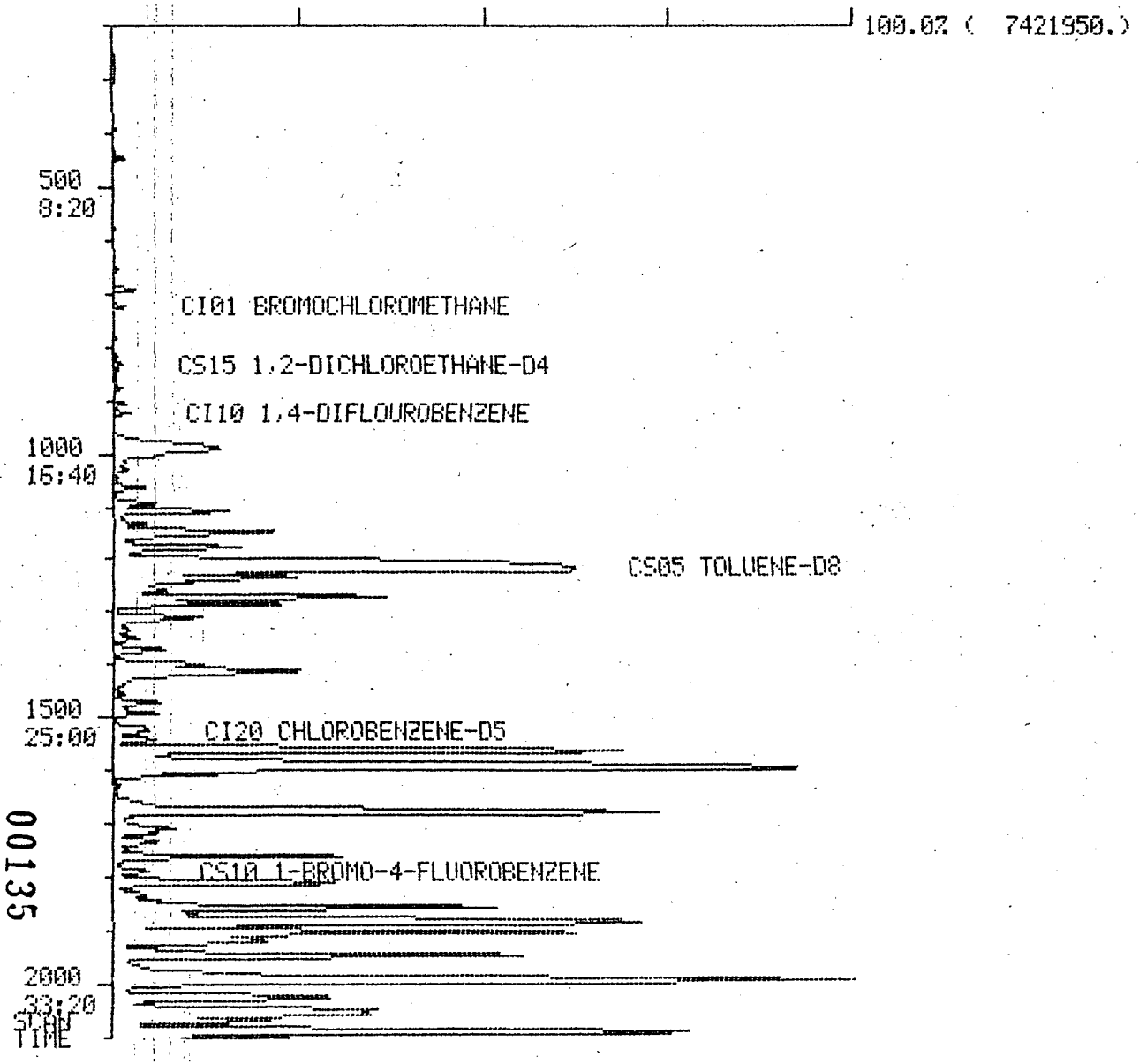
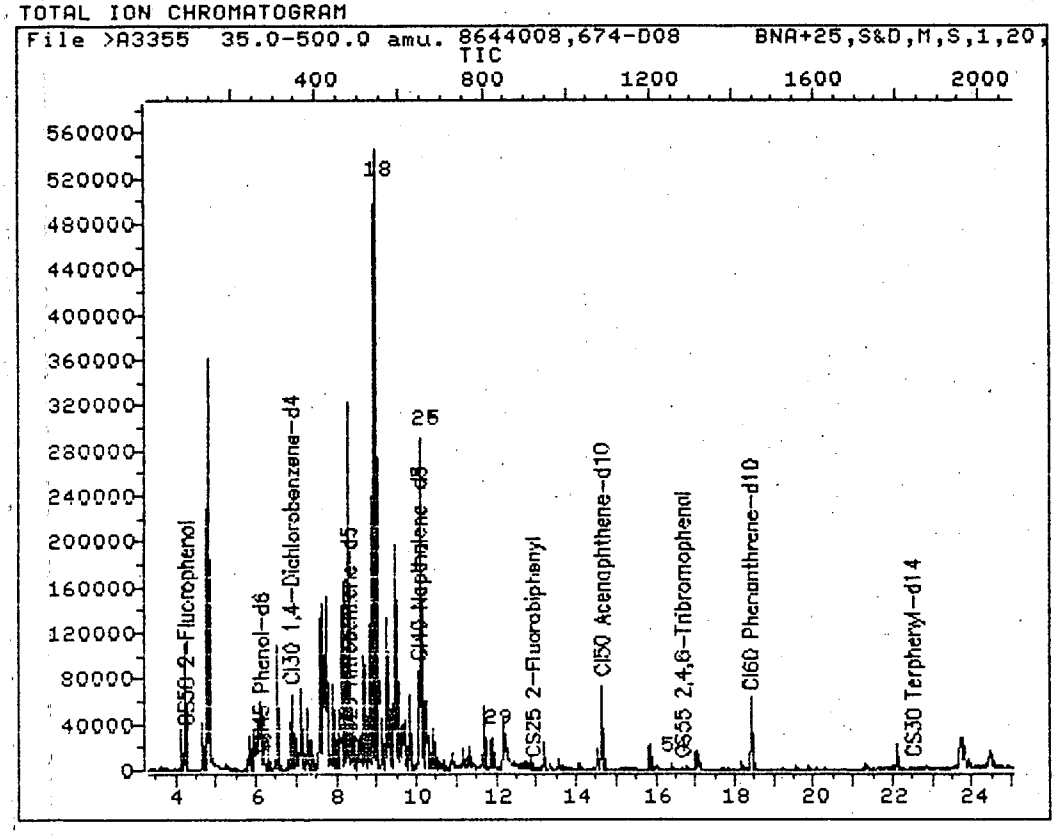
ND = None Detected

DATA FROM FILE: G2654 SCANS 200 TO 2100 ACQUIRED: 06/19/91 18:11:00
CALI: G2654 #2
SAMPLE: S&D ENVIRONMENTAL 8644008/674-D08, REC'D 6/13/91
CONDS.: 100UL(4G/10MLS)/5MLS,INST.G



00135

TOTAL ION CHROMATOGRAM



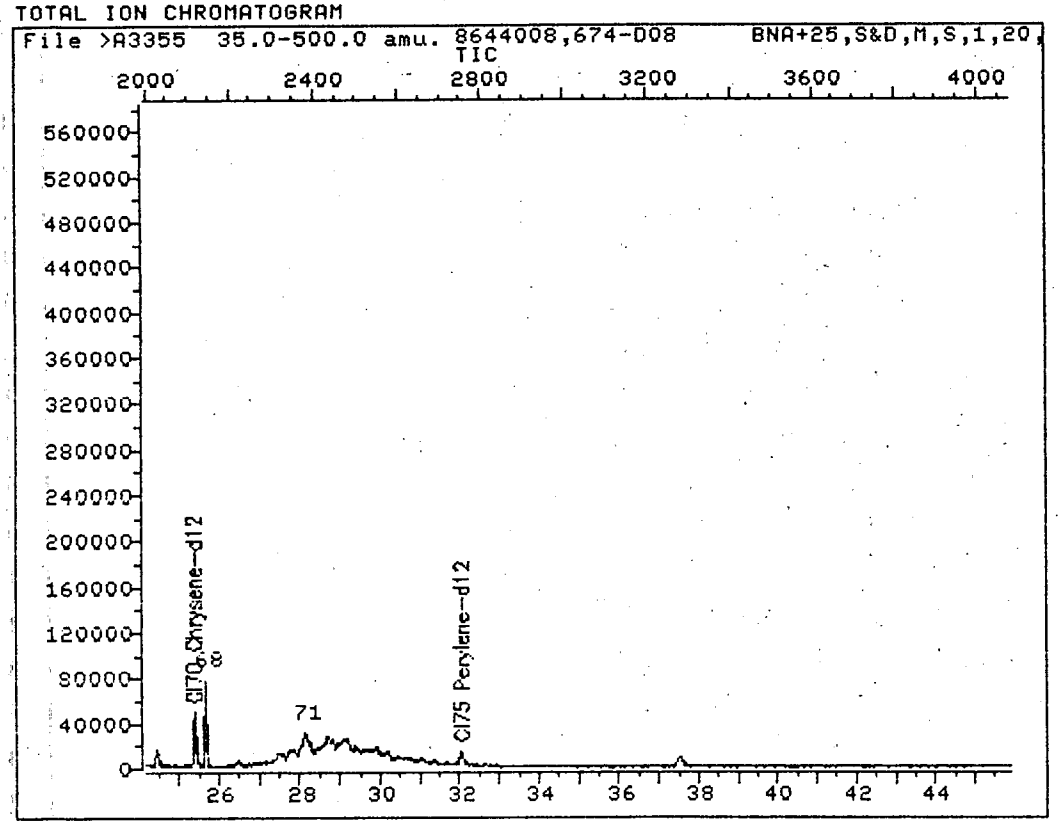
Data File: >A3355::D2 Quant Output File: ^A3355::QT
Name: 8644008,674-D08
Misc: BNA+25,S&D,M,S,1,20,D100,,R6/13,E6/18,INST:A BTL#41

Id File: CLPA1::SC
Title: ACID,BASE & NEUTRALS CLP COMPOUNDS
Last Calibration: 910620 12:20

Operator ID: NYTEST1
Quant Time: 910620 21:43
Injected at: 910620 20:53

TIC page 1 of 2

TOTAL ION CHROMATOGRAM



Data File: >A3355::D2 Quant Output File: ^A3355::QT
Name: 8644008,674-D08
Misc: BNA+25,S&D,M,S,1,20,D100,,R6/13,E6/18,INST:A BTL#41

Id File: CLPA1::SC
Title: ACID,BASE & NEUTRALS CLP COMPOUNDS
Last Calibration: 910620 12:20

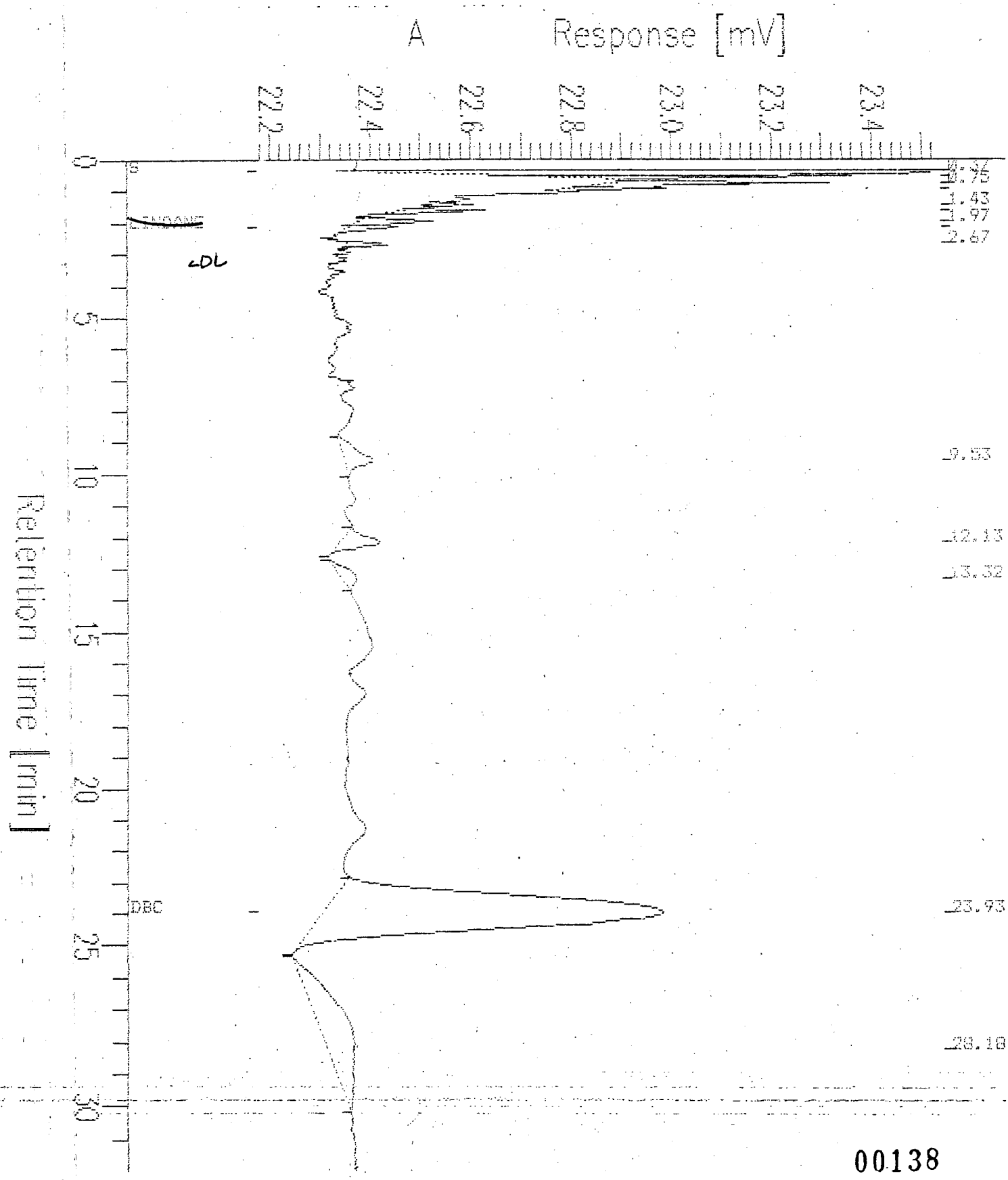
Operator ID: NYTEST1
Quant Time: 910620 21:43
Injected at: 910620 20:53

TIC page 2 of 2

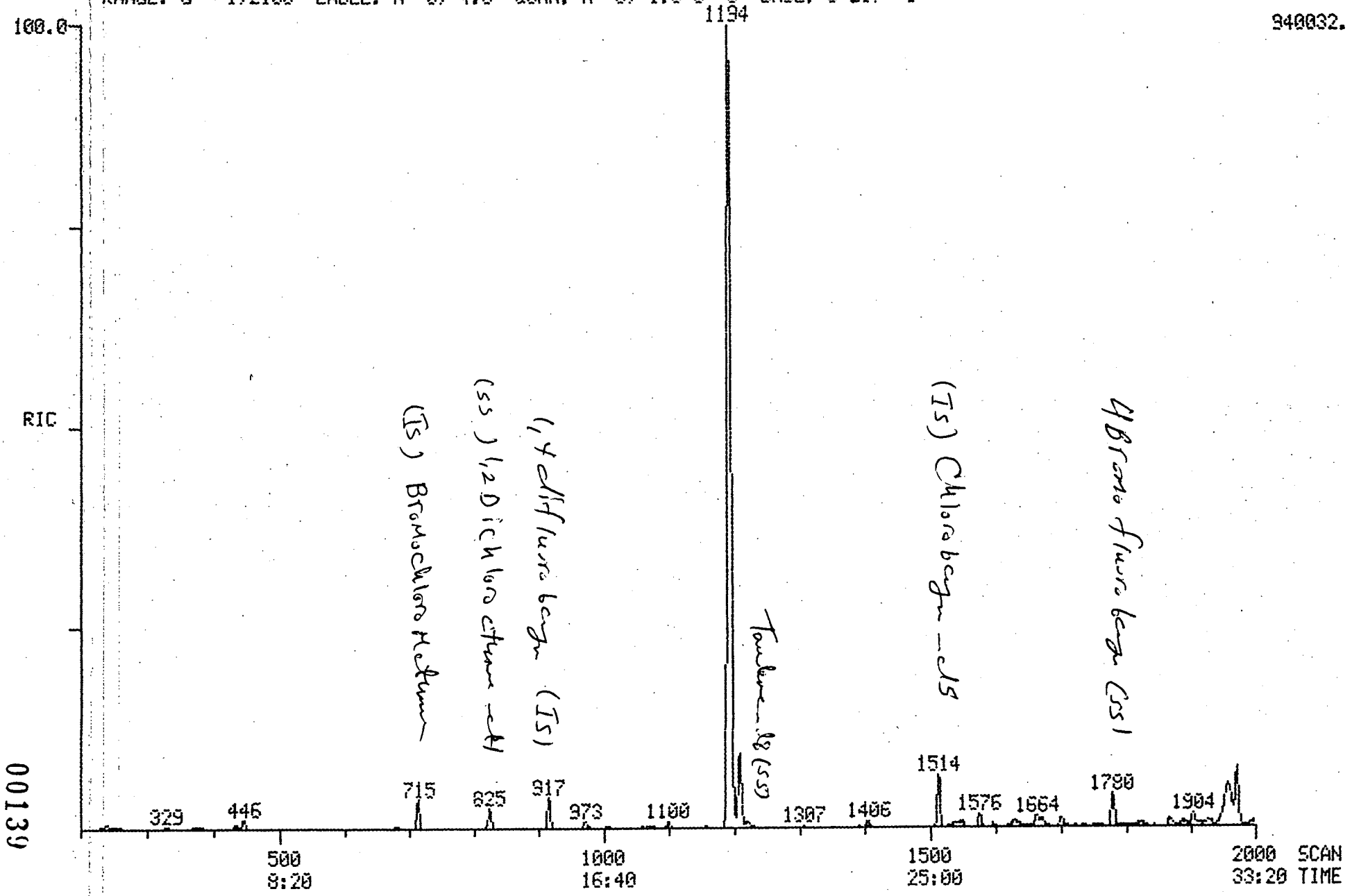
STD

Chromatogram N8644008 674-D08

FileName : B06G013.RAW
Start Time : 0.00 min
End Time : 32.00 min
Scale Factor: 1
Plot Offset: 22 mV
Date : 06/29/91 05:28 PM
Low Point : 22.17 mV
High Point : 23.54 mV
Plot Scale: 1 mV

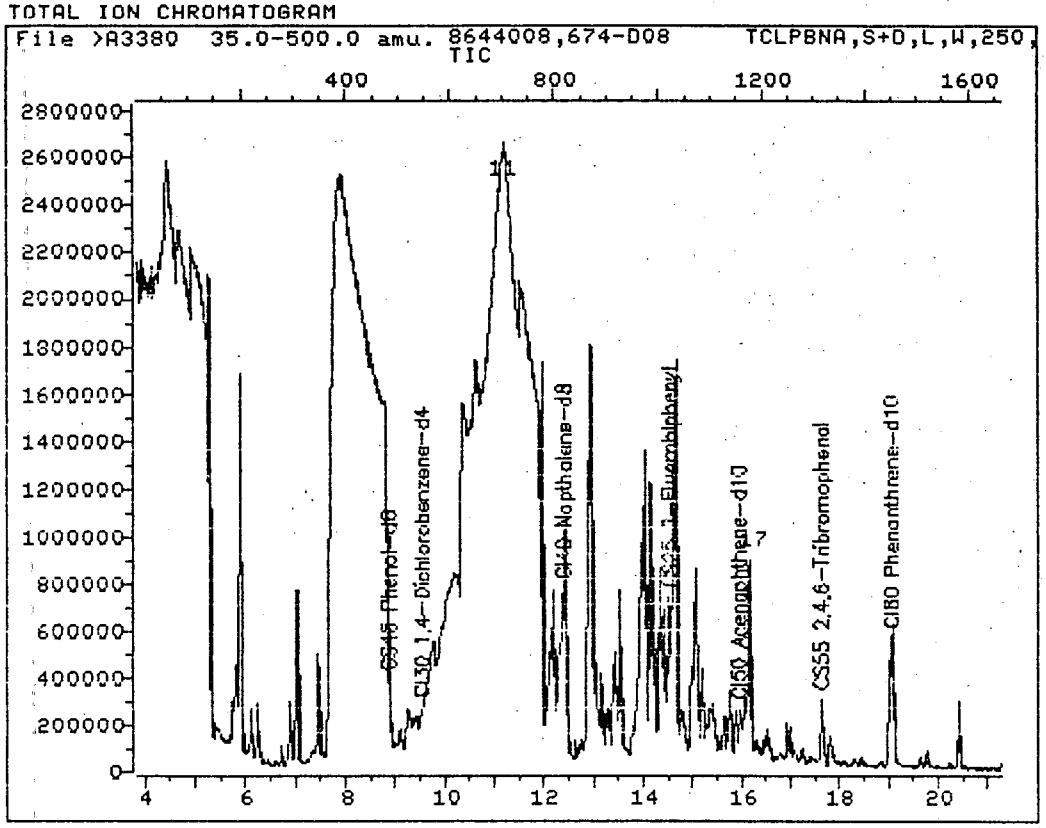


RIC DATA: G2710 #1 SCANS 200 TO 2000
06/25/91 19:22:00 CALI: G2710 #2
SAMPLE: S&D ENV.,674-D08/8644008,REC'D 6/13/91
CONDS.: 10UL/5MLS,INST.G(TCLP)
RANGE: G 1,2100 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3



00139

TOTAL ION CHROMATOGRAM



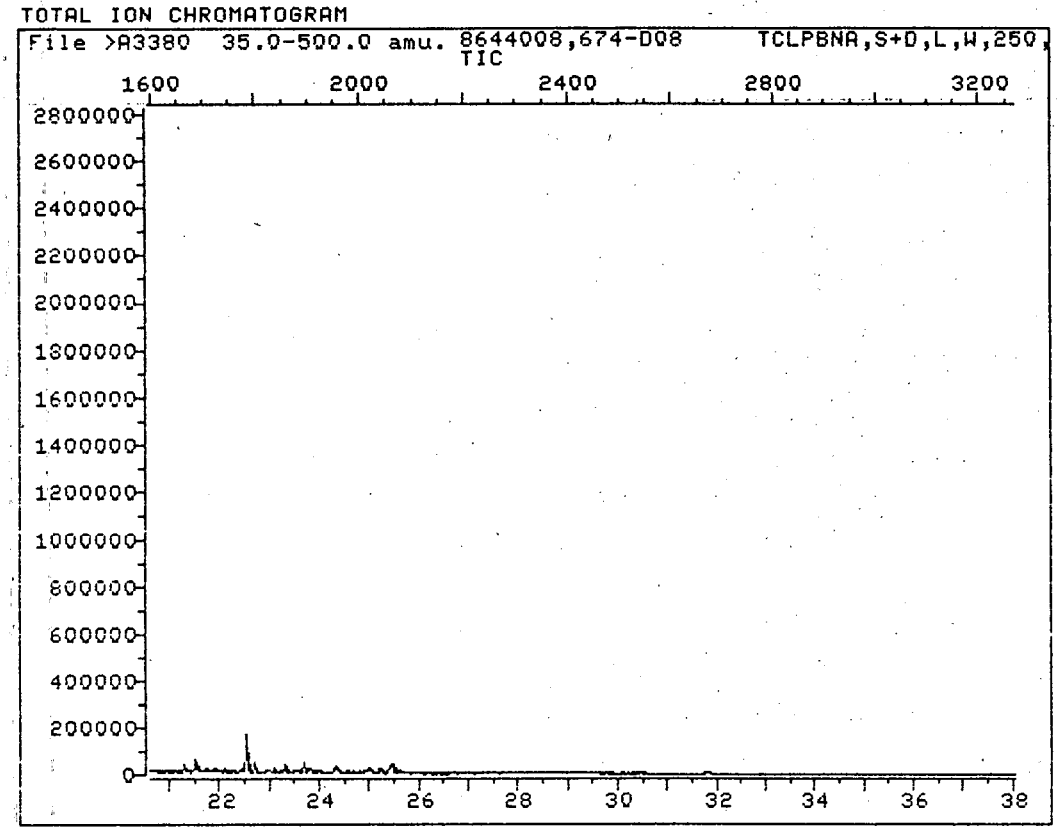
Data File: >A3380::D2 Quant Output File: ^A3380::QT
Name: 8644008,674-D08
Misc: TCLPBNA,S+D,L,W,250,1,D1,,R6/13,E6/19,INST:A,#1,(s+d) BTL#63

Id File: TCLPA::AQ
Title: ACID,BASE & NEUTRALS CLP COMPOUNDS
Last Calibration: 910624 07:29

Operator ID: NYTEST1
Quant Time: 910624 08:40
Injected at: 910622 02:33

TIC page 1 of 2

TOTAL ION CHROMATOGRAM



Data File: >A3380::D2 Quant Output File: ^A3380::QT
Name: 8644008,674-D08
Misc: TCLPBNA,S+D,L,W,250,1,D1,,R6/13,E6/19,INST:A,#1,(s+d) BTL#63

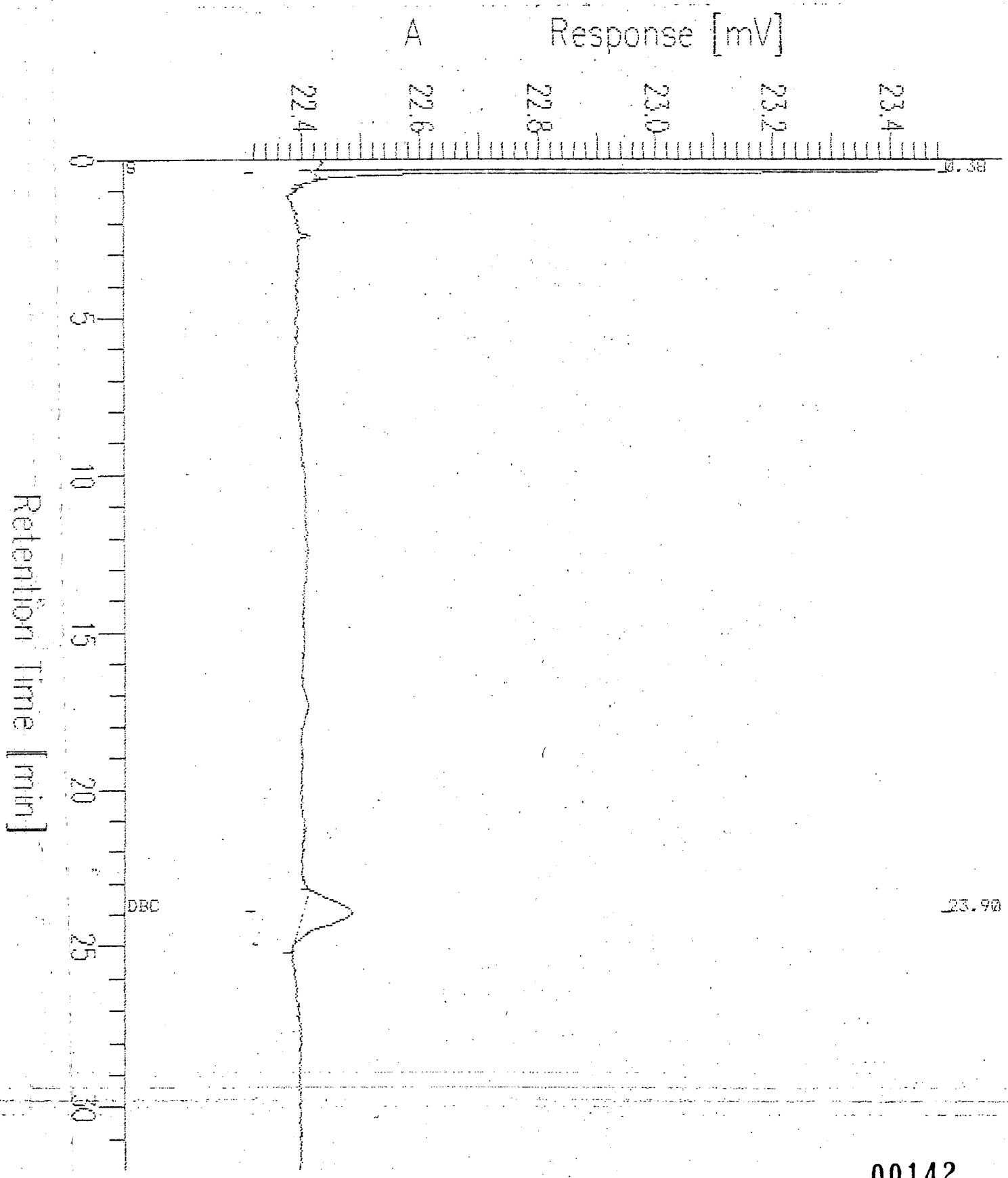
Id File: TCLPA::AQ
Title: ACID,BASE & NEUTRALS CLP COMPOUNDS
Last Calibration: 910624 07:29

Operator ID: NYTEST1
Quant Time: 910624 08:40
Injected at: 910622 02:33

TIC page 2 of 2

S+D Chromatogram N8644008 674-D08

FileName : C:\2700\DATA1\b06g025.raw
Date : 06/27/91 03:48 PM
Page 1 of 1
Start Time : 0.00 min
End Time : 32.00 min
Low Point : 22.32 mV
High Point : 23.48 mV
Scale Factor: 1
Plot Offset: 22 mV
Plot Scale: 1 mV



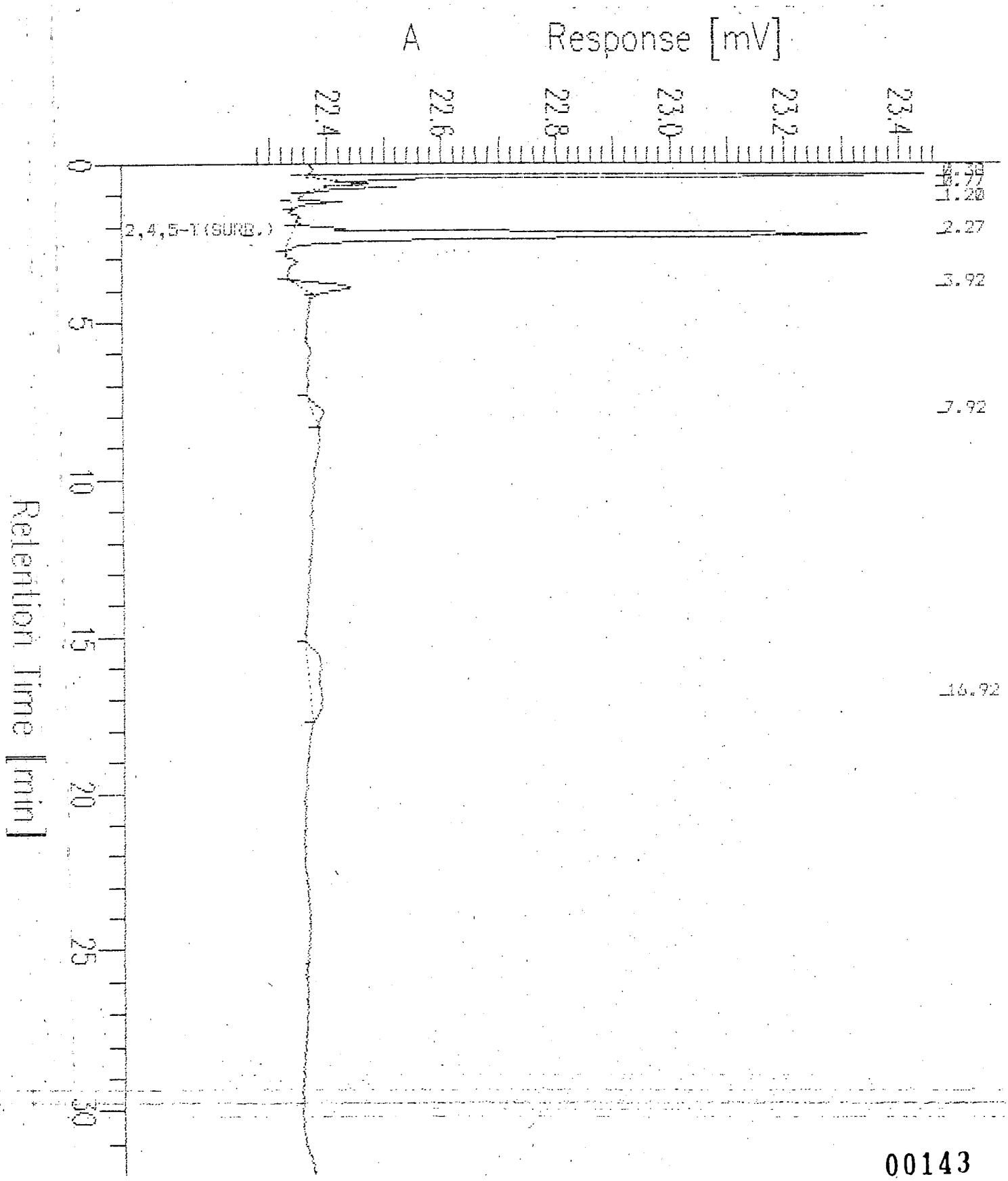
00142

S+D

Chromatogram N8644008 674-D08

FileName : C:\2700\DATA1\b06g037.raw
Date : 06/27/91 04:13 PM

Start Time : 0.00 min
End Time : 32.00 min
Low Point : 22.27 mV
High Point : 23.47 mV
Scale Factor: 1
Plot Offset: 22 mV
Plot Scale: 1 mV



1A-P

NYTEST ENVIRONMENTAL INC.

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE MATRIX: SOIL
CONC. LEVEL: MED
ANALYSIS DATE: 6/19/91

SAMPLE ID: 674-009
LAB ID: 8644009
DIL FACTOR: 1.00
% MOISTURE: NA

CMPD #	CAS Number	VOLATILE COMPOUNDS	UG/KG
1	74-87-3	Chloromethane	1250.0 U.
2	74-83-9	Bromomethane	1250.0 U.
3	75-01-4	Vinyl Chloride	1250.0 U.
4	75-00-3	Chloroethane	1250.0 U.
5	75-09-2	Methylene Chloride	200.0 JB
6	67-64-1	2-Propanone	1250.0 U.
7	75-15-0	Carbon disulfide	625.0 U.
8	75-35-4	1,1-Dichloroethene	240.0 J.
9	75-34-3	1,1-Dichloroethane	625.0 U.
10	540-59-0	1,2-Dichloroethene (total)	625.0 U.
11	67-66-3	Chloroform	625.0 U.
12	107-06-2	1,2-Dichloroethane	625.0 U.
13	78-93-3	2-Butanone	1200.0 J.
14	71-55-6	1,1,1-Trichloroethane	625.0 U.
15	56-23-5	Carbon Tetrachloride	625.0 U.
16	108-05-4	Vinyl Acetate	1250.0 U.
17	75-27-4	Bromodichloromethane	625.0 U.
18	78-87-5	1,2-Dichloropropane	625.0 U.
19	10061-01-5	cis-1,3-Dichloropropene	625.0 U.
20	79-01-6	Trichloroethene	625.0 U.
21	124-48-1	Dibromochloromethane	625.0 U.
22	79-00-5	1,1,2-Trichloroethane	625.0 U.
23	71-43-2	Benzene	625.0 U.
24	10061-02-6	Trans-1,3-Dichloropropene	625.0 U.
25	75-25-2	Bromoform	625.0 U.
26	108-10-1	4-Methyl-2-Pentanone	55000.0 T.
27	591-78-6	2-Hexanone	1250.0 U.
28	127-18-4	Tetrachloroethene	625.0 U.
29	79-34-5	1,1,2,2-Tetrachloroethane	625.0 U.
30	108-88-3	Toluene	190.0 J.
31	108-90-7	Chlorobenzene	625.0 U.
32	100-41-4	Ethylbenzene	3200.0 T.
33	100-42-5	Styrene	625.0 U.
34	1330-20-7	Xylene (total)	24000.0 T.
35	107-02-8	Acrolein	12500.0 U.
36	107-13-1	Acrylonitrile	12500.0 U.
37	110-75-8	2-Chloroethylvinylether	1250.0 U.
38		Dichlorodifluoromethane	1250.0 U.
39		Dichlorobenzene (total)	3750.0 U.
40			
41			

1B-P

NYTEST ENVIRONMENTAL INC.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE MATRIX: SOIL
CONC. LEVEL: MED
EXTRACTION DATE: 6/18/91
ANALYSIS DATE: 6/21/91

SAMPLE ID: 674-D09
LAB ID: 8644009
DIL FACTOR: 20.00
% MOISTURE: NA

UG/KG

CMPD #	CAS Number	BASE NEUTRAL COMPOUNDS	UG/KG
1	111-44-4	bis(2-Chloroethyl)ether	396000.0 U.
2	541-73-1	1,3-Dichlorobenzene	396000.0 U.
3	106-46-7	1,4-Dichlorobenzene	396000.0 U.
4	95-50-1	1,2-Dichlorobenzene	396000.0 U.
5	39638-32-9	bis(2-chloroisopropyl)ether	396000.0 U.
6	621-64-7	N-Nitroso-Di-n-Propylamine	396000.0 U.
7	67-72-1	Hexachloroethane	396000.0 U.
8	98-95-3	Nitrobenzene	396000.0 U.
9	78-59-1	Isophorone	396000.0 U.
10	111-91-1	bis(2-chloroethoxy)Methane	396000.0 U.
11	120-82-1	1,2,4-Trichlorobenzene	396000.0 U.
12	106-47-8	4-Chloroaniline	396000.0 U.
13	87-68-3	Hexachlorobutadiene	396000.0 U.
14	91-57-6	2-Methylnaphthalene	396000.0 U.
15	77-47-4	Hexachlorocyclopentadiene	396000.0 U.
16	91-58-7	2-Chloronaphthalene	396000.0 U.
17	88-74-4	2-Nitroaniline	1980000.0 U.
18	131-11-3	Dimethyl Phthalate	396000.0 U.
19	99-09-2	3-Nitroaniline	1980000.0 U.
20	132-64-9	Dibenzofuran	396000.0 U.
21	121-14-2	2,4-Dinitrotoluene	396000.0 U.
22	606-20-2	2,6-Dinitrotoluene	396000.0 U.
23	84-66-2	Diethylphthalate	396000.0 U.
24	7005-72-3	4-Chlorophenyl-phenylether	396000.0 U.
25	100-01-6	4-Nitroaniline	1980000.0 U.
26	86-30-6	N-Nitrosodiphenylamine	55000.0 J.
27	101-55-3	4-Bromophenyl-phenylether	396000.0 U.
28	118-74-1	Hexachlorobenzene	396000.0 U.
29	84-74-2	Di-n-Butylphthalate	396000.0 U.
30	85-68-7	Butylbenzylphthalate	396000.0 U.
31	91-94-1	3,3'-Dichlorobenzidine	792000.0 U.
32	117-81-7	bis(2-Ethylhexyl)Phthalate	560000.0 T.
33	11784-0	Di-n-Octyl Phthalate	396000.0 U.
34	62-75-9	N-Nitrosodimethylamine	396000.0 U.
35	62-53-3	Aniline	396000.0 U.
36	92-87-5	Benzidine	3170000.0 U.
37		Dioxin (Screen)	ND .
38			
39			
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41			

CMPD #	CAS Number	BASE NEUTRAL/PAH COMPOUNDS	UG/KG
42	91-20-3	Naphthalene	396000.0 U.
43	208-96-8	Acenaphthylene	396000.0 U.
44	83-32-9	Acenaphthene	396000.0 U.
45	86-73-7	Fluorene	396000.0 U.
46	85-01-8	Phenanthrene	396000.0 U.
47	120-12-7	Anthracene	396000.0 U.
48	206-44-0	Fluoranthene	396000.0 U.
49	129-00-0	Pyrene	396000.0 U.
50	56-55-3	Benzo(a)Anthracene	396000.0 U.
51	218-01-9	Chrysene	396000.0 U.
52	205-99-2	Benzo(b)Fluoranthene	396000.0 U.
53	207-08-9	Benzo(k)Fluoranthene	396000.0 U.
54	50-32-8	Benzo(a)Pyrene	396000.0 U.
55	193-39-5	Indeno(1,2,3-cd)Pyrene	396000.0 U.
56	53-70-3	Dibenz(a,h)Anthracene	396000.0 U.
57	191-24-2	Benzo(g,h,i)Perylene	396000.0 U.
58			
59			
60			
		ACID COMPOUNDS	
61	108-95-2	Phenol	396000.0 U.
62	95-57-8	2-Chlorophenol	396000.0 U.
63	100-51-6	Benzyl Alcohol	396000.0 U.
64	95-48-7	2-Methylphenol	396000.0 U.
65	106-44-5	4-Methylphenol	110000.0 J.
66	88-75-5	2-Nitrophenol	396000.0 U.
67	105-67-9	2,4-Dimethylphenol	396000.0 U.
68	65-85-0	Benzoic Acid	1980000.0 U.
69	120-83-2	2,4-Dichlorophenol	396000.0 U.
70	59-50-7	4-Chloro-3-Methylphenol	396000.0 U.
71	88-6-2	2,4,6-Trichlorophenol	396000.0 U.
72	95-95-4	2,4,5-Trichlorophenol	1980000.0 U.
73	51-28-5	2,4-Dinitrophenol	1980000.0 U.
74	100-02-7	4-Nitrophenol	1980000.0 U.
75	534-52-1	4,6-Dinitro-2-Methylphenol	1980000.0 U.
76	87-86-5	Pentachlorophenol	1980000.0 U.
77			
78			
79			
80			

1C

NYTEST ENVIRONMENTAL INC.

TENTATIVELY IDENTIFIED ORGANICS COMPOUND

SAMPLE ID: 674-D09

OF TIC FOUND: 11

LAB ID: 8644009

MATRIX: SOIL

FRACTION: VOA

CAS Number	Compound Name	RT	Estimated Concentration UG/KG
1	SUBSTITUTED BENZENE	19:09	37000 J
2	SUBSTITUTED BENZENE	19:31	14000 J
3	UNKNOWN HYDROCARBON	19:55	25000 J
4	UNKNOWN ALKENE	21:27	21000 J
5	SUBSTITUTED BENZENE	21:48	55000 J
6	SUBSTITUTED BENZENE	22:07	91000 J
7	UNKNOWN HYDROCARBON	27:57	120000 J
8	UNKNOWN HYDROCARBON	28:41	200000 J
9	UNKNOWN	30:52	21000 J
10	UNKNOWN	30:59	63000 J
11	UNKNOWN	33:05	91000 J
12			
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1C

NYTEST ENVIRONMENTAL INC.

TENTATIVELY IDENTIFIED ORGANICS COMPOUND

SAMPLE ID: 674-D09

OF TIC FOUND: 25

LAB ID: 8644009

MATRIX: SOIL

FRACTION: BNA

CAS Number	Compound Name	RT	Estimated Concentration UG/KG
1	UNKNOWN	4.24	130000 J
2	UNKNOWN	6.03	150000 J
3	UNKNOWN	12.20	120000 J
4	UNKNOWN ACID	15.30	320000 J
5	UNKNOWN	15.93	140000 J
6	UNKNOWN ACID	17.70	990000 J
7	UNKNOWN ACID	19.90	6900000 J
8	UNKNOWN	20.88	120000 J
9	UNKNOWN HYDROCARBON	21.42	1400000 J
10	UNKNOWN	21.67	1100000 J
11	UNKNOWN ACID	21.89	7300000 J
12	UNKNOWN ALKANE	22.20	170000 J
13	UNKNOWN	22.97	80000 J
14	UNKNOWN	23.24	4800000 J
15	UNKNOWN ALKANE	23.98	270000 J
16	UNKNOWN	25.27	420000 J
17	UNKNOWN ALKANE	26.04	130000 J
18	UNKNOWN	27.22	330000 J
19	UNKNOWN	27.66	450000 J
20	UNKNOWN	28.13	210000 J
21	UNKNOWN	28.89	660000 J
22	UNKNOWN	30.64	260000 J
23	UNKNOWN	31.26	380000 J
24	UNKNOWN	32.65	290000 J
25	UNKNOWN	32.75	260000 J
26			
27			
28			
29			
30			

1 D-T

NYTEST ENVIRONMENTAL INC.

TCL PESTICIDE/PCB ORGANICS ANALYSIS DATA SHEET

SAMPLE MATRIX:	SOIL	SAMPLE ID:	674-D09
CONC. LEVEL:	MED	LAB SAMPLE ID:	8644009
EXTRACTION DATE:	6/18/91	DIL FACTOR:	1.00
ANALYSIS DATE:	6/26/91	% MOISTURE:	NA

CMPD #	CAS Number	PESTICIDE/PCB COMPOUND	UG/KG
1	319-84-6	Alpha-BHC	120.000 U.
2	319-85-7	Beta-BHC	120.000 U.
3	319-86-8	Delta-BHC	120.000 U.
4	58-89-9	Gamma-BHC(Lindane)	120.000 U.
5	76-44-8	Heptachlor	120.000 U.
6	309-00-2	Aldrin	120.000 U.
7	1024-57-3	Heptachlor Epoxide	120.000 U.
8	959-98-8	Endosulfan I	120.000 U.
9	60-57-1	Dieldrin	240.000 U.
10	72-55-9	4,4'-DDE	240.000 U.
11	70-20-8	Endrin	240.000 U.
12	33213-65-9	Endosulfan II	240.000 U.
13	72-54-8	4,4-DDD	240.000 U.
14	1031-07-8	Endosulfan Sulfate	240.000 U.
15	50-29-3	4,4'-DDT	240.000 U.
16	53494-70-5	Endrin Ketone	240.000 U.
17	72-43-5	Methoxychlor	1200.000 U.
18	57-74-9	Chlordane	1200.000 U.
19	8001-35-2	Toxaphene	2400.000 U.
20	12674-11-2	Aroclor-1016	1200.000 U.
21	11104-28-2	Aroclor-1221	1200.000 U.
22	11141-16-5	Aroclor-1232	1200.000 U.
23	53469-21-9	Aroclor-1242	1200.000 U.
24	12672-29-6	Aroclor-1248	1200.000 U.
25	11097-69-1	Aroclor-1254	2400.000 U.
26	11096-82-5	Aroclor-1260	2400.000 U.

nytest environmental inc.

Sample Identification and Results

Log In No: 8644

Sample No: 674-D09
Lab Sample ID No: 8644009

Results in mg/kg:

TCL Metals	Found
Aluminum	2120.0
Antimony	20.9
Arsenic	2.12
Barium	3900.0
Beryllium	<1.0
Cadmium	7.3
Calcium	42200.0
Chromium	58.4
Cobalt	16.7
Copper	17.2
Iron	9170.0
Lead	128.0
Magnesium	1130.0
Manganese	48.7
Mercury	1.8
Nickel	37.2
Potassium	340.0
Selenium	<1.0
Silver	<5.0
Sodium	16700.0
Thallium	<5.0
Vanadium	<1.0
Zinc	1130.0

TCLP Results 2-J Sample ID: 674-D09
Lab ID: 8644009

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
D018	Benzene	0.50	0.05	ND
D006	Cadmium	1.0	0.1	ND
D019	Carbon tetrachloride	0.50	0.05	ND
D020	Chlordane	0.03	0.003	ND
D021	Chlorobenzene	100.0	10	ND
D022	Chloroform	6.0	0.6	ND
D007	Chromium	5.0	0.5	ND
D023	o-Cresol	200	20	ND
D024	m-Cresol	200	20	ND
D025	p-Cresol	200	20	ND
D026	Cresol	200	20	ND
D016	2,4-D	10.0	1	ND
D027	1,4-Dichlorobenzene	7.5	0.75	ND
D028	1,2-Dichloroethane	0.5	0.05	ND
D029	1,1-Dichloroethylene	0.7	0.07	ND
D030	2,4-Dinitrotoluene	0.13	0.013	ND
D012	Endrin	0.02	0.002	ND
D031	Heptachlor(and its hydroxide)	0.008	0.004	ND
D032	Hexachlorobenzene	0.13	0.013	ND
D033	Hexachloro-1,3-butadiene	0.5	0.05	ND
D034	Hexachloroethane	3.0	0.3	ND
D008	Lead	5.0	0.5	ND
D013	Lindane	0.4	0.04	ND
D009	Mercury	0.2	0.02	ND
D014	Methoxychlor	10.0	1	ND
D035	Methyl ethyl ketone	200.0	20	ND
D036	Nitrobenzene	2.0	0.2	ND
D037	Pentachlorophenol	100.0	10	ND
D038	Pyridine	5.0	0.5	ND
D010	Selenium	1.0	0.1	ND
D011	Silver	5.0	0.5	ND
D039	Tetrachloroethylene	0.7	0.07	ND
D015	Toxaphene	0.5	0.05	ND
D040	Trichloroethylene	0.5	0.05	ND
D041	2,4,5-Trichlorophenol	400.0	40	ND
D042	2,4,6-Trichlorophenol	2.0	0.2	ND
D017	2,4,5-TP (Silvex)	1.0	0.1	ND
D043	Vinyl chloride	0.20	0.02	ND
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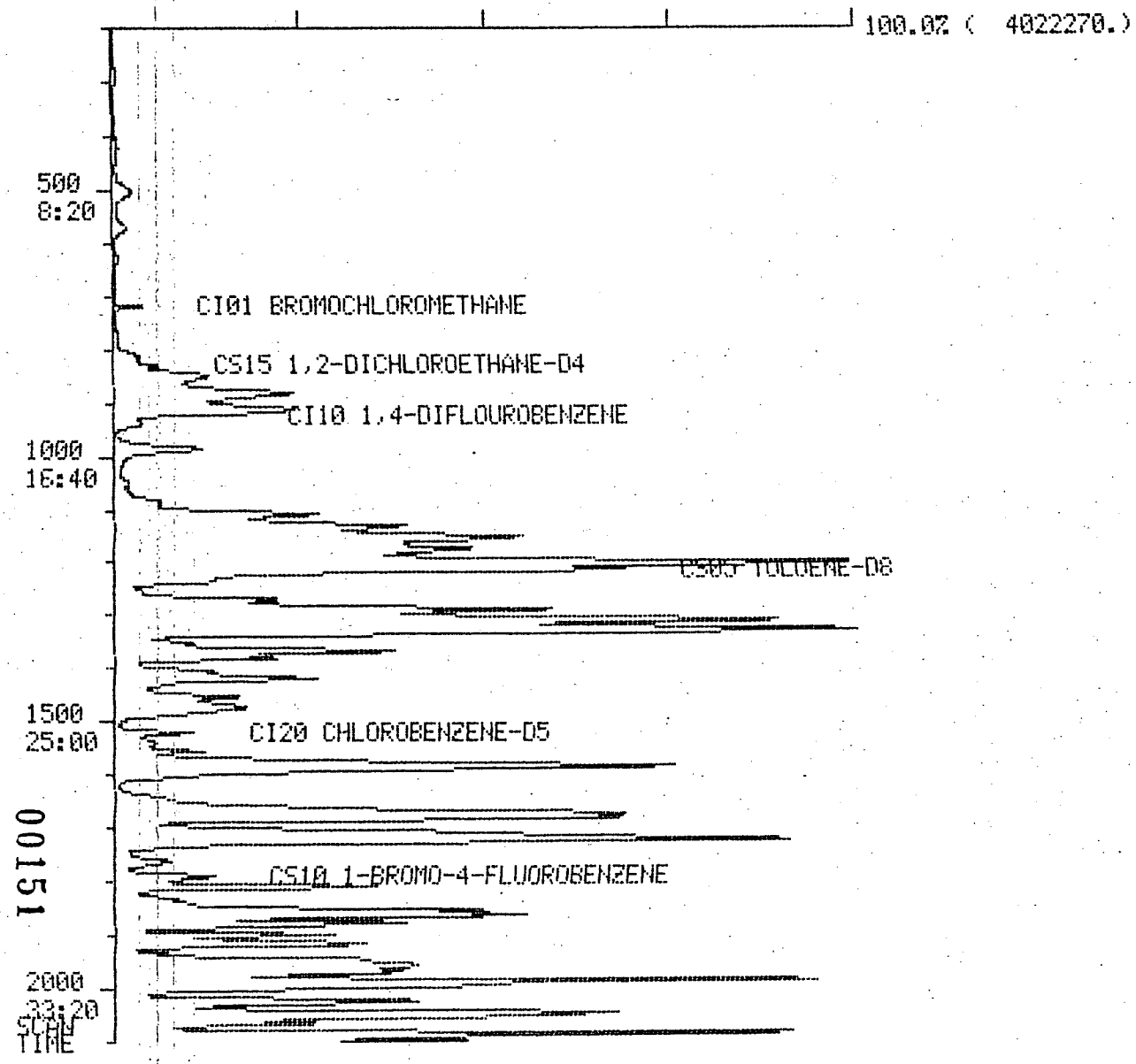
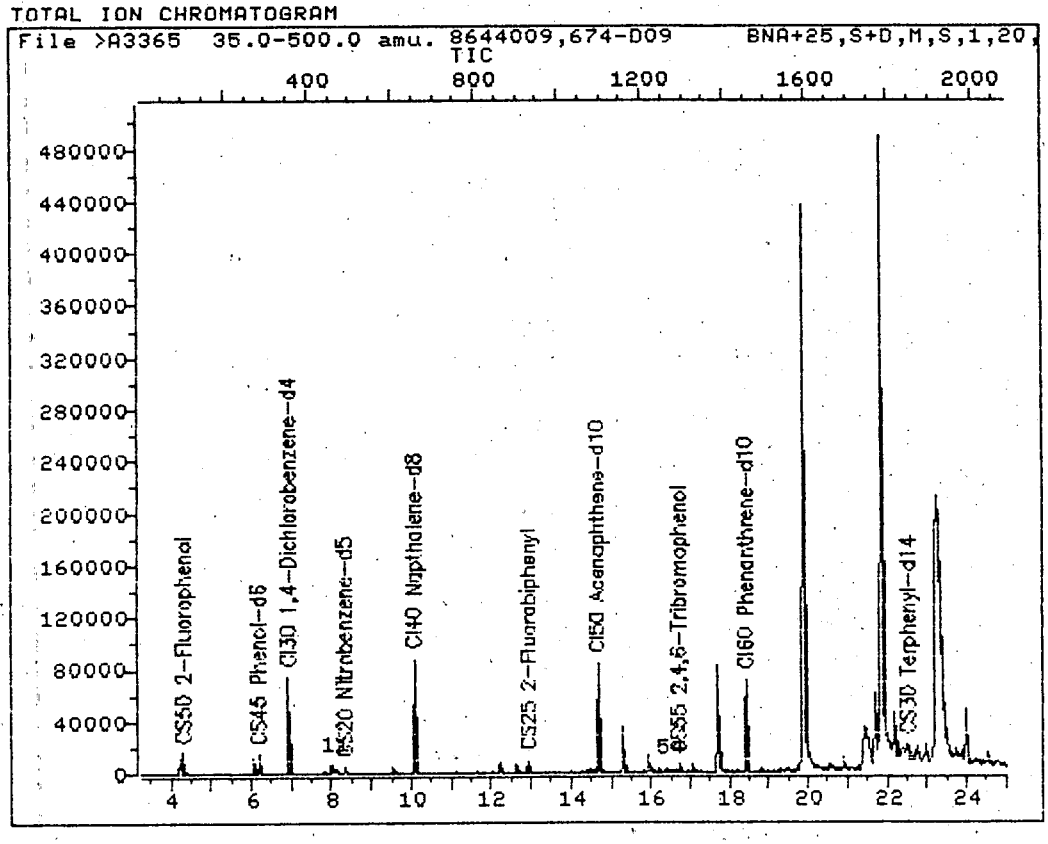
ND = None Detected

DATA FROM FILE: G2655 SCANS 200 TO 2100 ACQUIRED: 06/19/91 18:53:00
CALI: G2655 #2
SAMPLE: S&D ENVIRONMENTAL 8E44009/674-D09, REC'D 6/13/91
CONDS.: 100UL(4G/10MLS)/5MLS,INST.G



00151

TOTAL ION CHROMATOGRAM



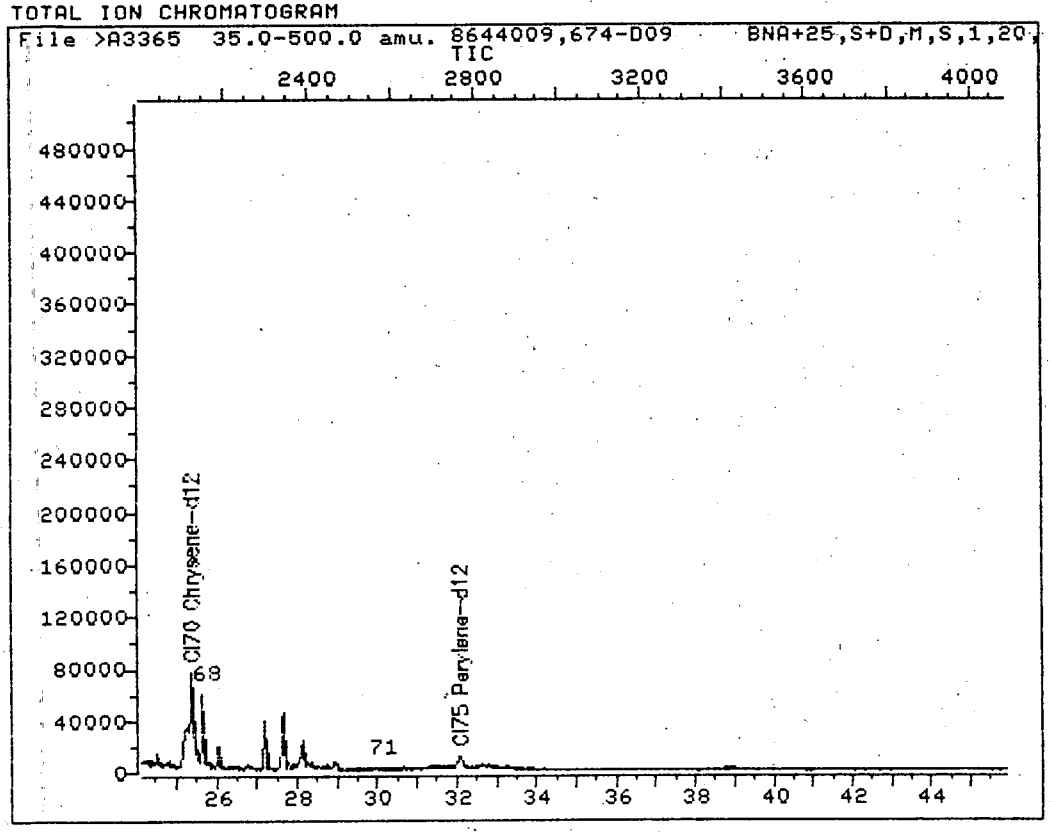
Data File: >A3365::D2 Quant Output File: ^A3365::QT
Name: 8644009,674-D09
Misc: BNA+25,S+D,M,S,1,20,D20,,R6/13,E6/18,INST:A BTL#50

Id File: CLPA1::SC
Title: ACID,BASE & NEUTRALS CLP COMPOUNDS
Last Calibration: 910621 09:14

Operator ID: NYTEST1
Quant Time: 910621 16:23
Injected at: 910621 15:34

TIC page 1 of 2

TOTAL ION CHROMATOGRAM



Data File: >A3365::D2 Quant Output File: ^A3365::QT
Name: 8644009,674-D09
Misc: BNA+25,S+D,M,S,1,20,D20,,R6/13,E6/18,INST:A BTL#50

Id File: CLPA1::SC
Title: ACID,BASE & NEUTRALS CLP COMPOUNDS
Last Calibration: 910621 09:14

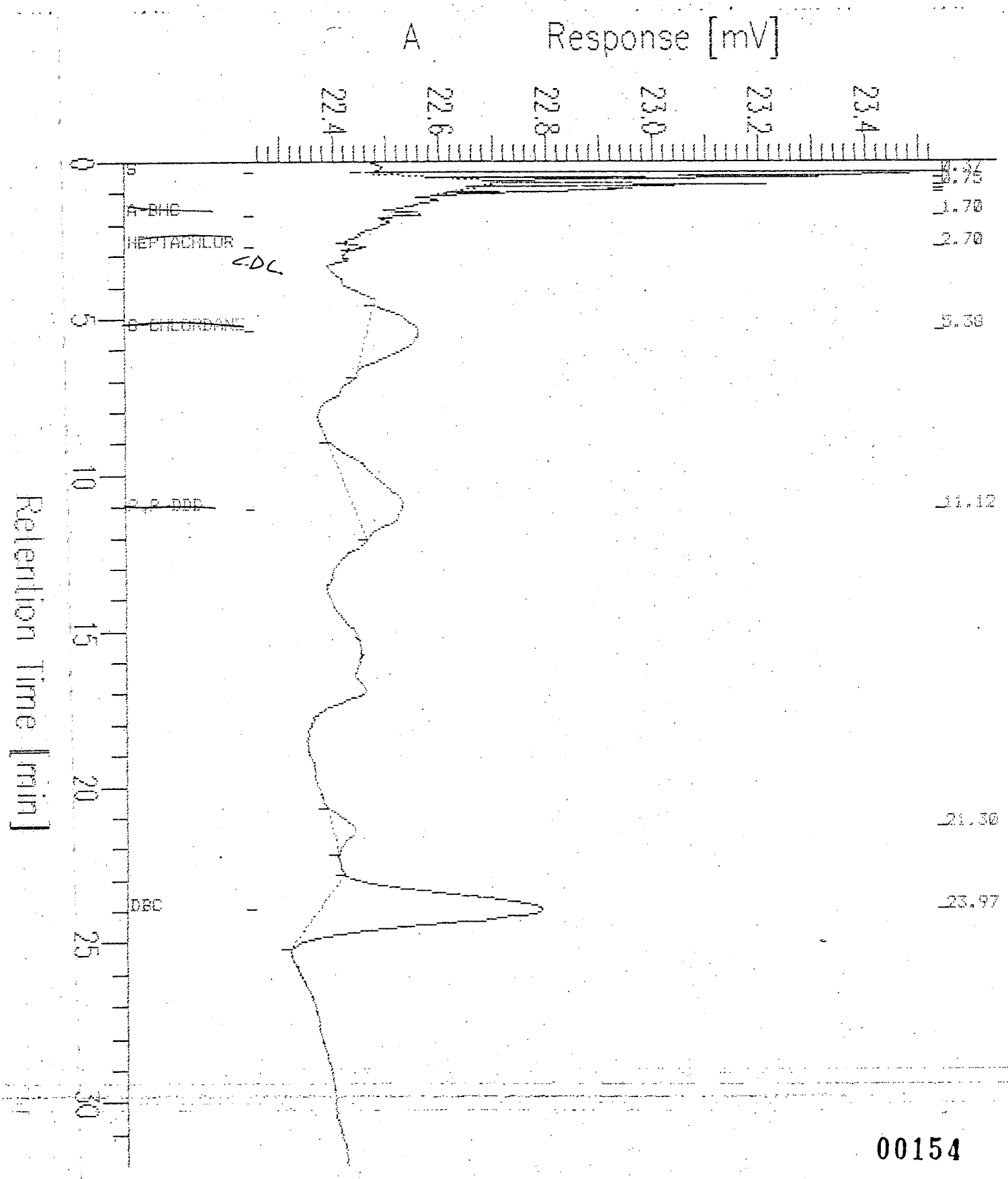
Operator ID: NYTEST1
Quant Time: 910621 16:23
Injected at: 910621 15:34

TIC page 2 of 2

S+D Chromatogram N8644009 674-009

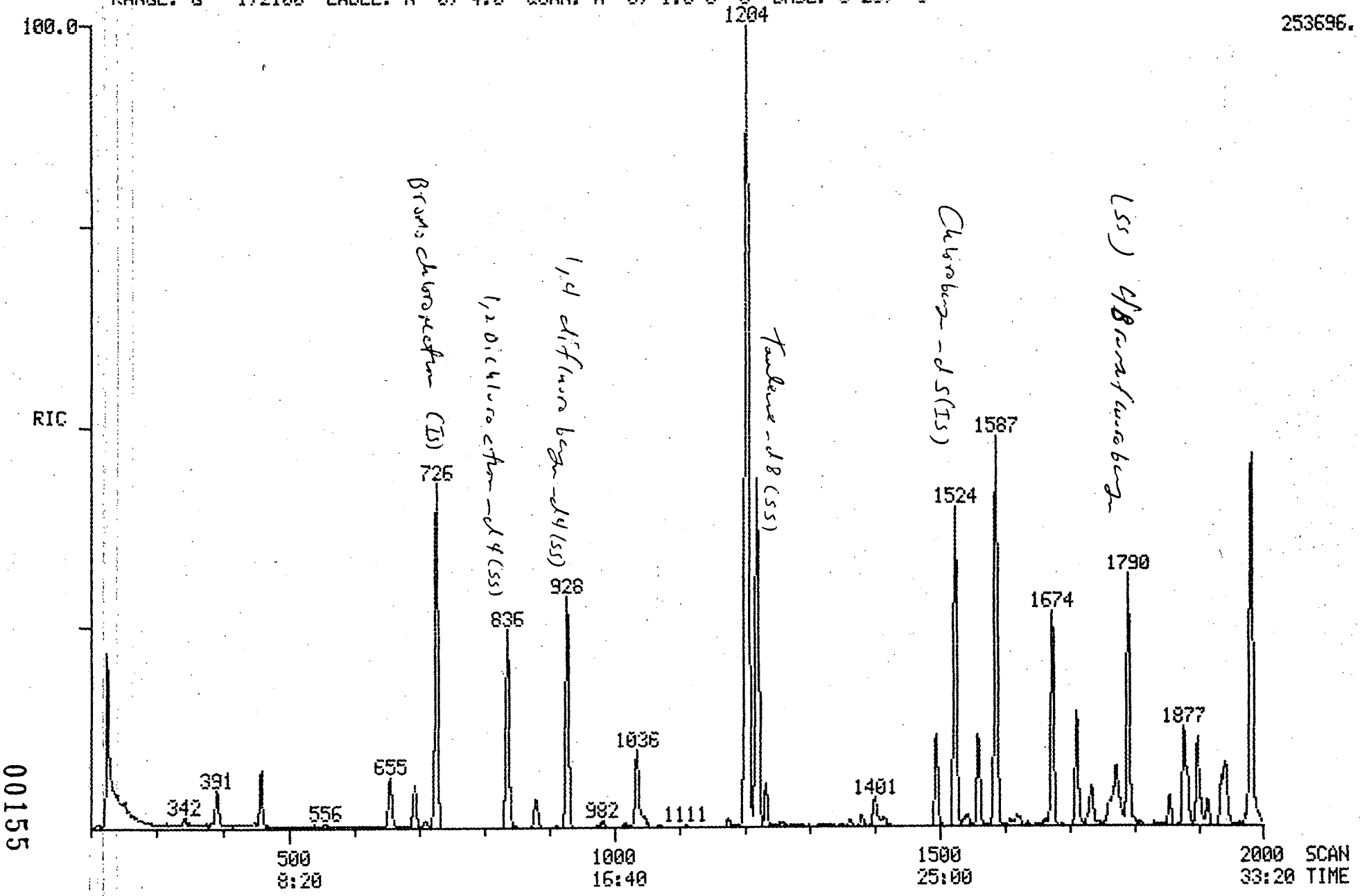
FileName : C:\2700\DATA1\b06q014.raw
Start Time : 0.00 min End Time : 32.00 min
Scale Factor: 1 Plot Offset: 22 mV

Date : 06/27/91 03:26 PM
Low Point : 22.25 mV High Point : 23.53 mV
Plot Scale: 1 mV



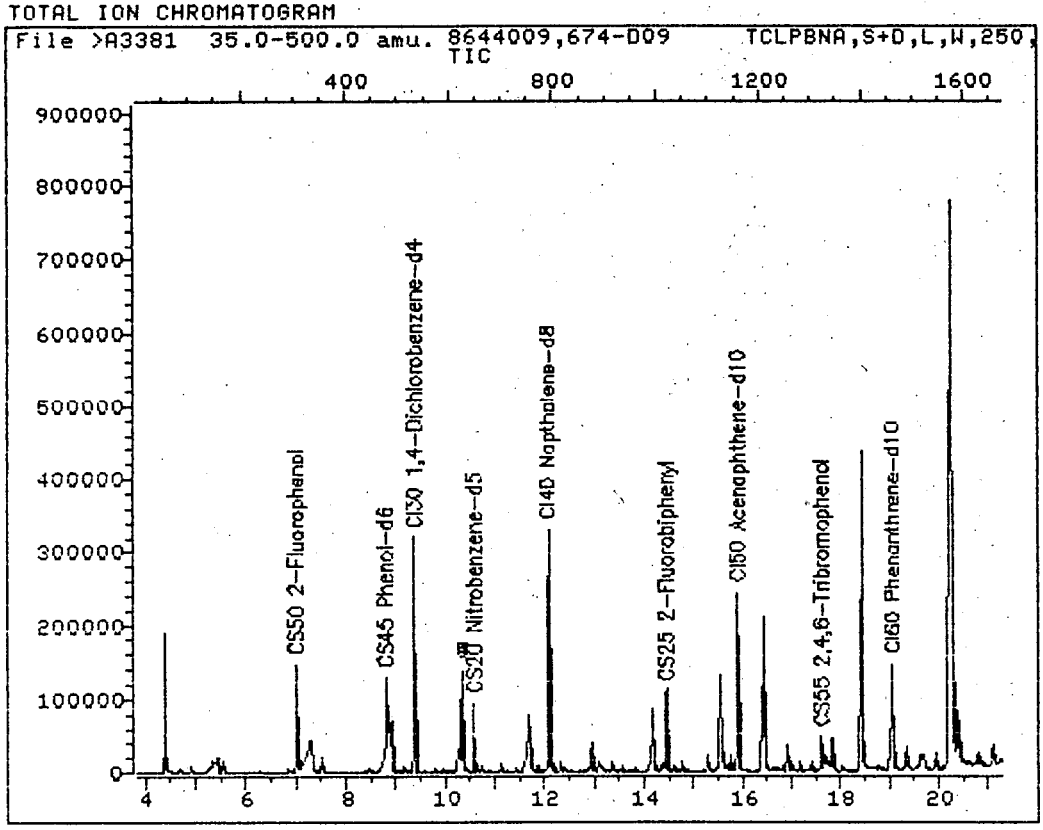
00154

RIC DATA: G2705 #1 SCANS 200 TO 2000
06/25/91 15:43:00 CALI: G2705 #2
SAMPLE: S&D ENV.,674-D09/8644009,REC'D 6/13/91
CONDS.: 1/5MLS,INST.G(TCLP)
RANGE: G 1,2100 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3



00155

TOTAL ION CHROMATOGRAM



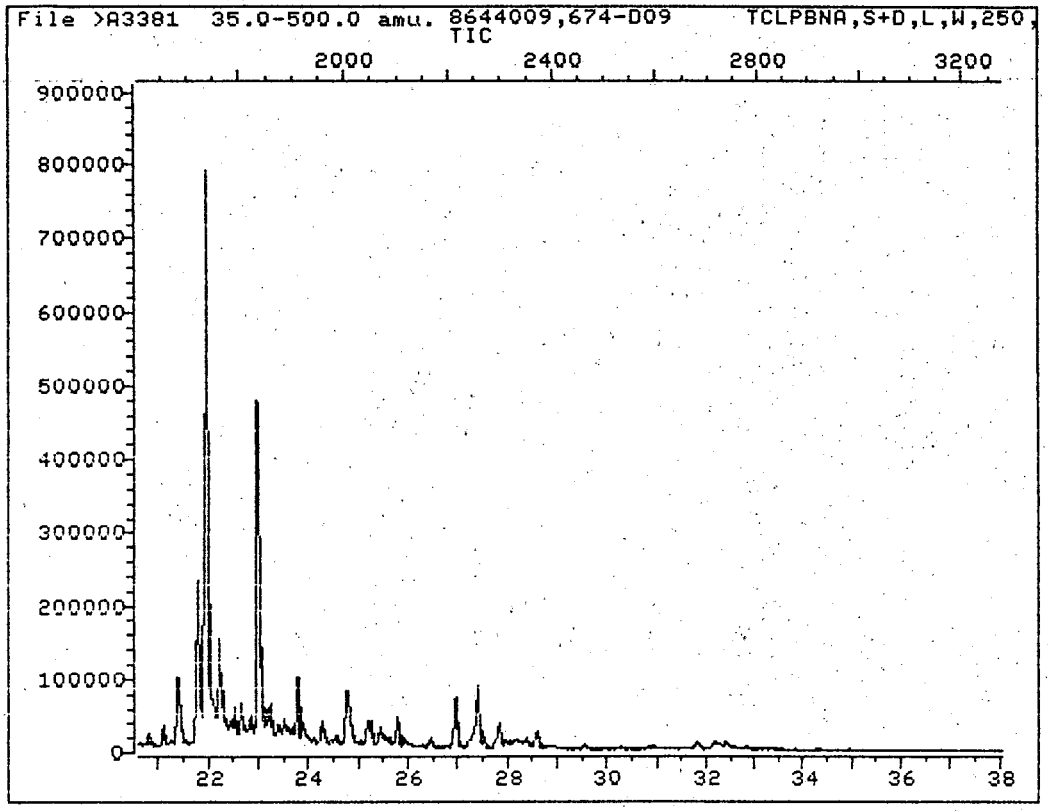
Data File: >A3381::D2 Quant Output File: ^A3381::QT
Name: 8644009,674-D09
Misc: TCLPBNA,S+D,L,W,250,1,D4,,R6/13,E6/19,INST:A,#1,(s+d) BTL#64

Id File: TCLPA::AQ
Title: ACID,BASE & NEUTRALS CLP COMPOUNDS
Last Calibration: 910624 07:29

Operator ID: NYTEST1
Quant Time: 910624 08:52
Injected at: 910622 03:19

TIC page 1 of 2

TOTAL ION CHROMATOGRAM



Data File: >A3381::D2 Quant Output File: ^A3381::QT
Name: 8644009,674-D09
Misc: TCLPBNA,S+D,L,W,250,1,D4,,R6/13,E6/19,INST:A,#1,(s+d) BTL#64

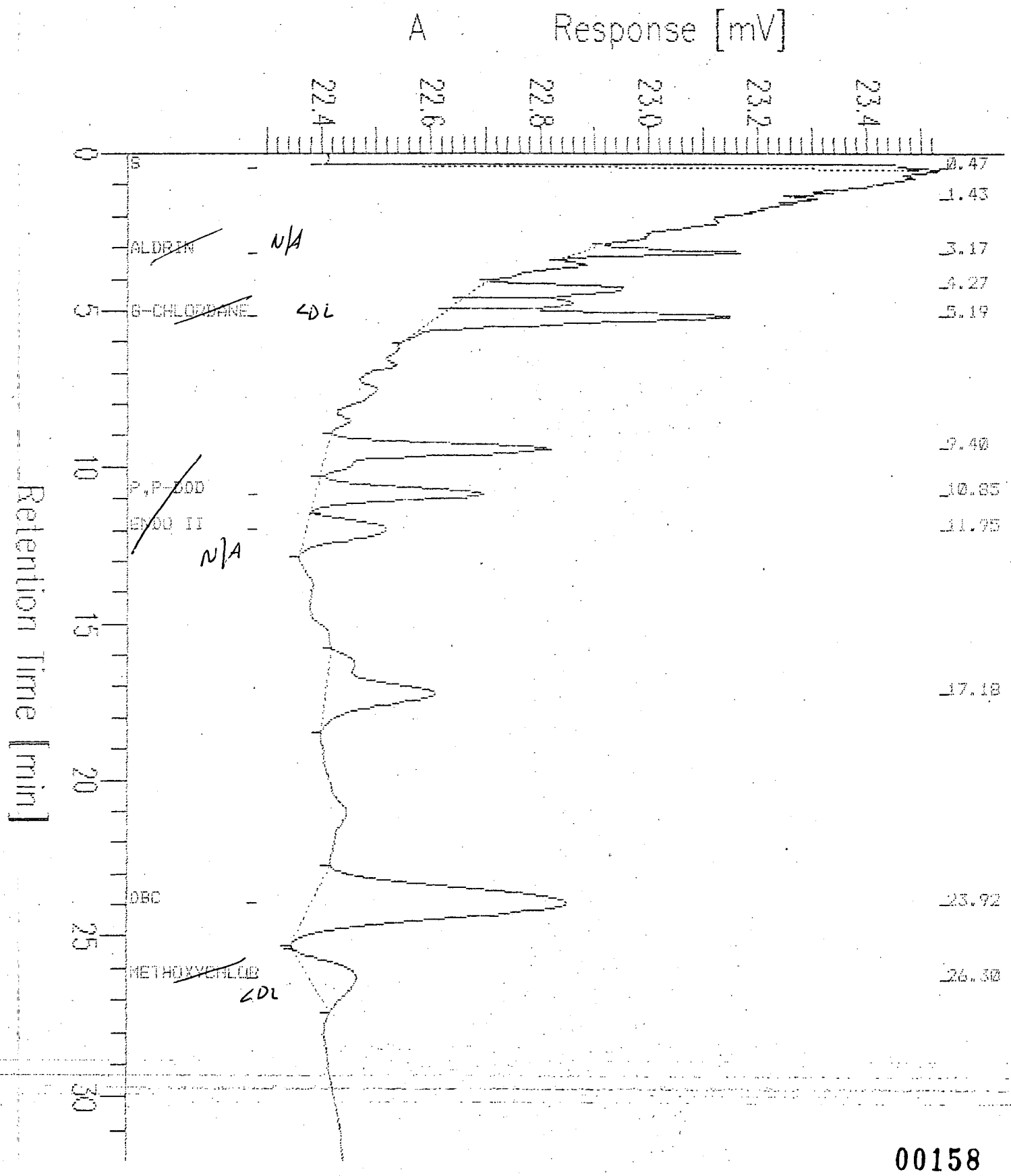
Id File: TCLPA::AQ
Title: ACID,BASE & NEUTRALS CLP COMPOUNDS
Last Calibration: 910624 07:29

Operator ID: NYTEST1
Quant Time: 910624 08:52
Injected at: 910622 03:19

TIC page 2 of 2

StD Chromatogram N8644009 674-D09

FileName : C:\2700\DATA1\b06g026.raw
Date : 06/29/91 06:00 PM
Page 1 of 1
Start Time : 0.00 min
End Time : 32.00 min
Low Point : 22.28 mV
High Point : 23.53 mV
Scale Factor: 1
Plot Offset: 22 mV
Plot Scale: 1 mV



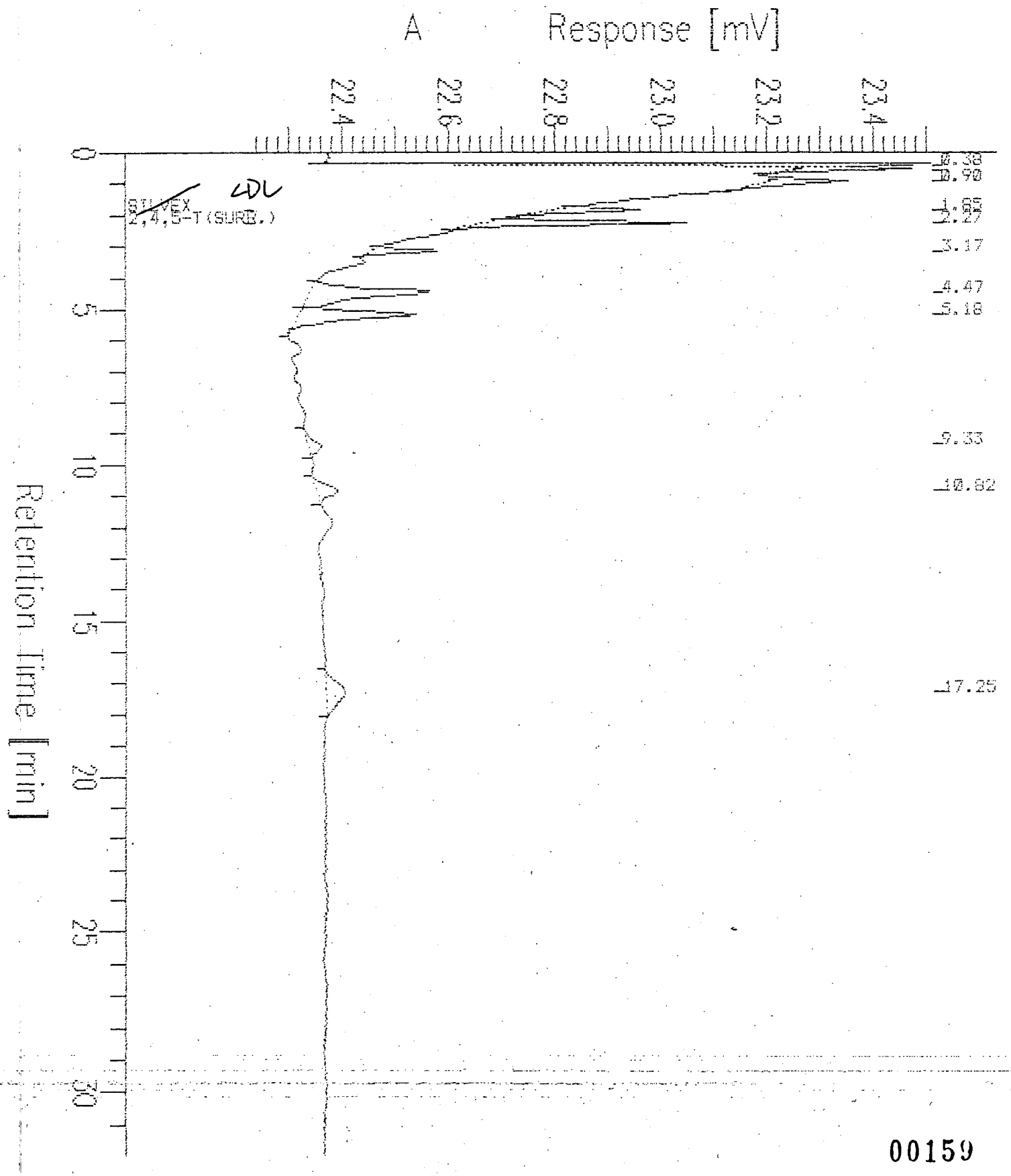
00158

STD

Chromatogram N8644009 674-D09

FileName : C:\2700\DATA1\b06g038.raw
Date : 06/27/91 04:17 PM

Start Time : 0.00 min
End Time : 32.00 min
Low Point : 22.24 mV
High Point : 23.51 mV
Scale Factor: 1
Plot Offset: 22 mV
Plot Scale: 1 mV



1A-P

NYTEST ENVIRONMENTAL INC.

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE MATRIX: SOIL
CONC. LEVEL: MED
ANALYSIS DATE: 6/20/91

SAMPLE ID: 674-D10
LAB ID: 8644010
DIL FACTOR: 50.00
% MOISTURE: NA

CMPD #	CAS Number	VOLATILE COMPOUNDS	UG/KG
1	74-87-3	Chloromethane	62500.0 U.
2	74-83-9	Bromomethane	62500.0 U.
3	75-01-4	Vinyl Chloride	62500.0 U.
4	75-00-3	Chloroethane	62500.0 U.
5	75-09-2	Methylene Chloride	17000.0 JB
6	67-64-1	2-Propanone	13000.0 JB
7	75-15-0	Carbon disulfide	31000.0 U.
8	75-35-4	1,1-Dichloroethene	31000.0 U.
9	75-34-3	1,1-Dichloroethane	31000.0 U.
10	540-59-0	1,2-Dichloroethene (total)	31000.0 U.
11	67-66-3	Chloroform	31000.0 U.
12	107-06-2	1,2-Dichloroethane	31000.0 U.
13	78-93-3	2-Butanone	40000.0 J.
14	71-55-6	1,1,1-Trichloroethane	31000.0 U.
15	56-23-5	Carbon Tetrachloride	31000.0 U.
16	108-05-4	Vinyl Acetate	62500.0 U.
17	75-27-4	Bromodichloromethane	31000.0 U.
18	78-87-5	1,2-Dichloropropane	31000.0 U.
19	10061-01-5	cis-1,3-Dichloropropene	31000.0 U.
20	79-01-6	Trichloroethene	31000.0 U.
21	124-48-1	Dibromochloromethane	31000.0 U.
22	79-00-5	1,1,2-Trichloroethane	31000.0 U.
23	71-43-2	Benzene	31000.0 U.
24	10061-02-6	Trans-1,3-Dichloropropene	31000.0 U.
25	75-25-2	Bromoform	31000.0 U.
26	108-10-1	4-Methyl-2-Pentanone	190000.0 T.
27	591-78-6	2-Hexanone	62500.0 U.
28	127-18-4	Tetrachloroethene	31000.0 U.
29	79-34-5	1,1,2,2-Tetrachloroethane	31000.0 U.
30	108-88-3	Toluene	110000.0 T.
31	108-90-7	Chlorobenzene	31000.0 U.
32	100-41-4	Ethylbenzene	89000.0 T.
33	100-42-5	Styrene	31000.0 U.
34	1330-20-7	Xylene (total)	430000.0 T.
35	107-02-8	Acrolein	625000.0 U.
36	107-13-1	Acrylonitrile	625000.0 U.
37	110-75-8	2-Chloroethylvinylether	62500.0 U.
38		Dichlorodifluoromethane	62500.0 U.
39		Dichlorobenzene (total)	200000.0 U.
40			
41			

1B-P

NYTEST ENVIRONMENTAL INC.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE MATRIX:	SOIL	SAMPLE ID:	674-D10
CONC. LEVEL:	MED	LAB ID:	8644010
EXTRACTION DATE:	6/18/91	DIL FACTOR:	100.00
ANALYSIS DATE:	6/20/91	% MOISTURE:	NA

CMPD #	CAS Number	BASE NEUTRAL COMPOUNDS	UG/KG
1	111-44-4	bis(2-Chloroethyl)ether	2000000.0 U.
2	541-73-1	1,3-Dichlorobenzene	2000000.0 U.
3	106-46-7	1,4-Dichlorobenzene	2000000.0 U.
4	95-50-1	1,2-Dichlorobenzene	2000000.0 U.
5	39638-32-9	bis(2-chloroisopropyl)ether	2000000.0 U.
6	621-64-7	N-Nitroso-Di-n-Propylamine	2000000.0 U.
7	67-72-1	Hexachloroethane	2000000.0 U.
8	98-95-3	Nitrobenzene	2000000.0 U.
9	78-59-1	Isophorone	280000.0 J.
10	111-91-1	bis(2-chloroethoxy)Methane	2000000.0 U.
11	120-82-1	1,2,4-Trichlorobenzene	2000000.0 U.
12	106-47-8	4-Chloroaniline	2000000.0 U.
13	87-68-3	Hexachlorobutadiene	2000000.0 U.
14	91-57-6	2-Methylnaphthalene	170000.0 J.
15	77-47-4	Hexachlorocyclopentadiene	2000000.0 U.
16	91-58-7	2-Chloronaphthalene	2000000.0 U.
17	88-74-4	2-Nitroaniline	10000000.0 U.
18	131-11-3	Dimethyl Phthalate	2000000.0 U.
19	99-09-2	3-Nitroaniline	10000000.0 U.
20	132-64-9	Dibenzofuran	2000000.0 U.
21	121-14-2	2,4-Dinitrotoluene	2000000.0 U.
22	606-20-2	2,6-Dinitrotoluene	2000000.0 U.
23	84-66-2	Diethylphthalate	2000000.0 U.
24	7005-72-3	4-Chlorophenyl-phenylether	2000000.0 U.
25	100-01-6	4-Nitroaniline	10000000.0 U.
26	86-30-6	N-Nitrosodiphenylamine	110000.0 J.
27	101-55-3	4-Bromophenyl-phenylether	2000000.0 U.
28	118-74-1	Hexachlorobenzene	2000000.0 U.
29	84-74-2	Di-n-Butylphthalate	330000.0 J.
30	85-68-7	Butylbenzylphthalate	2000000.0 U.
31	91-94-1	3,3'-Dichlorobenzidine	4000000.0 U.
32	117-81-7	bis(2-Ethylhexyl)Phthalate	3400000.0 J.
33	11784-0	Di-n-Octyl Phthalate	57000.0 J.
34	62-75-9	N-Nitrosodimethylamine	2000000.0 U.
35	62-53-3	Aniline	2000000.0 U.
36	92-87-5	Benzidine	16000000.0 U.
37		Dioxin (Screen)	ND
38			
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CMPD #	CAS Number	BASE NEUTRAL/PAH COMPOUNDS	UG/KG
42	91-20-3	Naphthalene	1600000.0 J.
43	208-96-8	Acenaphthylene	2000000.0 U.
44	83-32-9	Acenaphthene	2000000.0 U.
45	86-73-7	Fluorene	2000000.0 U.
46	85-01-8	Phenanthrene	41000.0 J.
47	120-12-7	Anthracene	2000000.0 U.
48	206-44-0	Fluoranthene	2000000.0 U.
49	129-00-0	Pyrene	2000000.0 U.
50	56-55-3	Benzo(a)Anthracene	2000000.0 U.
51	218-01-9	Chrysene	2000000.0 U.
52	205-99-2	Benzo(b)Fluoranthene	2000000.0 U.
53	207-08-9	Benzo(k)Fluoranthene	2000000.0 U.
54	50-32-8	Benzo(a)Pyrene	2000000.0 U.
55	193-39-5	Indeno(1,2,3-cd)Pyrene	2000000.0 U.
56	53-70-3	Dibenz(a,h)Anthracene	2000000.0 U.
57	191-24-2	Benzo(g,h,i)Perylene	2000000.0 U.
58			
59			
60			
		ACID COMPOUNDS	
61	108-95-2	Phenol	2000000.0 U.
62	95-57-8	2-Chlorophenol	2000000.0 U.
63	100-51-6	Benzyl Alcohol	2000000.0 U.
64	95-48-7	2-Methylphenol	2000000.0 U.
65	106-44-5	4-Methylphenol	2000000.0 U.
66	88-75-5	2-Nitrophenol	2000000.0 U.
67	105-67-9	2,4-Dimethylphenol	2000000.0 U.
68	65-85-0	Benzoic Acid	10000000.0 U.
69	120-83-2	2,4-Dichlorophenol	2000000.0 U.
70	59-50-7	4-Chloro-3-Methylphenol	2000000.0 U.
71	88-6-2	2,4,6-Trichlorophenol	2000000.0 U.
72	95-95-4	2,4,5-Trichlorophenol	10000000.0 U.
73	51-28-5	2,4-Dinitrophenol	10000000.0 U.
74	100-02-7	4-Nitrophenol	10000000.0 U.
75	534-52-1	4,6-Dinitro-2-Methylphenol	10000000.0 U.
76	87-86-5	Pentachlorophenol	10000000.0 U.
77			
78			
79			
80			

1C

NYTEST ENVIRONMENTAL INC.

TENTATIVELY IDENTIFIED ORGANICS COMPOUND

SAMPLE ID: 674-D10

OF TIC FOUND: 12

LAB ID: 8644010

MATRIX: SOIL

FRACTION: VOA

CAS Number	Compound Name	RT	Estimated Concentration UG/KG
1	UNKNOWN ALKENE	20:59	280000 J
2	ETHYL DIMETHYL BENZENE ISOMER	21:06	670000 J
3	TETRAMETHYL BENZENE ISOMER	27:49	1900000 J
4	TETRAMETHYL BENZENE ISOMER	28:25	3000000 J
5	UNKNOWN HYDROCARBON	30:32	170000 J
6	UNKNOWN	30:51	1100000 J
7	UNKNOWN ALKENE	30:55	1300000 J
8	SUBSTITUTED BENZENE	31:17	260000 J
9	UNKNOWN HYDROCARBON	31:56	360000 J
10	UNKNOWN ALKENE	32:31	2400000 J
11	SUBSTITUTED BENZENE	32:45	1200000 J
12	SUBSTITUTED BENZENE	23:05	610000 J
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1C

NYTEST ENVIRONMENTAL INC.

TENTATIVELY IDENTIFIED ORGANICS COMPOUND

SAMPLE ID: 674-D10

OF TIC FOUND: 25

LAB ID: 8644010

MATRIX: SOIL

FRACTION: BNA

CAS Number	Compound Name	RT	Estimated Concentration UG/KG
1	UNKNOWN	4.94	680000 J
2	ETHYL METHYL BENZENE ISOMER	6.08	620000 J
3	ETHYL METHYL BENZENE ISOMER	6.71	2300000 J
4	UNKNOWN ALKANE	7.17	700000 J
5	SUBSTITUTED BENZENE	7.27	730000 J
6	UNKNOWN ALKANE	7.42	1100000 J
7	METHYL PROPYL BENZENE ISOMER	7.78	2100000 J
8	SUBSTITUTED BENZENE	7.84	1300000 J
9	ETHYL DIMETHYL BENZENE ISOMER	7.90	1700000 J
10	ETHYL DIMETHYL BENZENE ISOMER	8.26	1100000 J
11	ETHYL DIMETHYL BENZENE ISOMER	8.29	1200000 J
12	UNKNOWN ALKANE	8.56	1800000 J
13	ETHYL DIMETHYL BENZENE ISOMER	8.82	950000 J
14	SUBSTITUTED BENZENE	8.98	2100000 J
15	UNKNOWN ALKENE	9.43	1300000 J
16	SUBSTITUTED BENZENE	9.59	520000 J
17	SUBSTITUTED BENZENE	9.64	2200000 J
18	SUBSTITUTED BENZENE	9.99	560000 J
19	SUBSTITUTED BENZENE	10.39	610000 J
20	UNKNOWN ALKANE	14.70	520000 J
21	UNKNOWN ALKANE	15.97	610000 J
22	UNKNOWN ALKANE	17.17	700000 J
23	UNKNOWN ALKANE	17.25	500000 J
24	UNKNOWN ALKANE	18.21	520000 J
25	UNKNOWN ALKANE	19.39	490000 J
26			
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1 D-T

NYTEST ENVIRONMENTAL INC.

TCL PESTICIDE/PCB ORGANICS ANALYSIS DATA SHEET

SAMPLE MATRIX:	SOIL	SAMPLE ID:	674-D10
CONC. LEVEL:	MED	LAB SAMPLE ID:	8644010
EXTRACTION DATE:	6/18/91	DIL FACTOR:	1.00
ANALYSIS DATE:	6/26/91	% MOISTURE:	NA

CMPD #	CAS Number	PESTICIDE/PCB COMPOUND	UG/KG
1	319-84-6	Alpha-BHC	120.000 U.
2	319-85-7	Beta-BHC	120.000 U.
3	319-86-8	Delta-BHC	120.000 U.
4	58-89-9	Gamma-BHC(Lindane)	120.000 U.
5	76-44-8	Heptachlor	120.000 U.
6	309-00-2	Aldrin	120.000 U.
7	1024-57-3	Heptachlor Epoxide	120.000 U.
8	959-98-8	Endosulfan I	120.000 U.
9	60-57-1	Dieldrin	240.000 U.
10	72-55-9	4,4'-DDE	240.000 U.
11	70-20-8	Endrin	240.000 U.
12	33213-65-9	Endosulfan II	240.000 U.
13	72-54-8	4,4-DDD	240.000 U.
14	1031-07-8	Endosulfan Sulfate	240.000 U.
15	50-29-3	4,4'-DDT	240.000 U.
16	53494-70-5	Endrin Ketone	240.000 U.
17	72-43-5	Methoxychlor	1200.000 U.
18	57-74-9	Chlordane	1200.000 U.
19	8001-35-2	Toxaphene	2400.000 U.
20	12674-11-2	Aroclor-1016	1200.000 U.
21	11104-28-2	Aroclor-1221	1200.000 U.
22	11141-16-5	Aroclor-1232	1200.000 U.
23	53469-21-9	Aroclor-1242	1200.000 U.
24	12672-29-6	Aroclor-1248	1200.000 U.
25	11097-69-1	Aroclor-1254	2400.000 U.
26	11096-82-5	Aroclor-1260	2400.000 U.

nytest environmental inc

Sample Identification and Results

Log In No: 8644

Sample No: 674-D10
Lab Sample ID No: 8644010

Results in mg/kg:

TCL Metals	Found
Aluminum	182000
Antimony	52.6
Arsenic	<2.0
Barium	3320.0
Beryllium	<1.0
Cadmium	26.8
Calcium	4300.0
Chromium	675.0
Cobalt	17.1
Copper	316.0
Iron	14500.0
Lead	2970
Magnesium	2550.0
Manganese	91.6
Mercury	1.35
Nickel	19.1
Potassium	65.1
Selenium	<1.0
Silver	<5.0
Sodium	181.0
Thallium	<5.0
Vanadium	28.3
Zinc	2700.0

TCLP Results 2-J Sample ID: 674-D10
Lab ID: 8644010

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
D018	Benzene	0.50	0.05	ND
D006	Cadmium	1.0	0.1	0.12
D019	Carbon tetrachloride	0.50	0.05	ND
D020	Chlordane	0.03	0.003	ND
D021	Chlorobenzene	100.0	10	ND
D022	Chloroform	6.0	0.6	ND
D007	Chromium	5.0	0.5	ND
D023	o-Cresol	200	20	ND
D024	m-Cresol	200	20	ND
D025	p-Cresol	200	20	ND
D026	Cresol	200	20	ND
D016	2,4-D	10.0	1	ND
D027	1,4-Dichlorobenzene	7.5	0.75	ND
D028	1,2-Dichloroethane	0.5	0.05	ND
D029	1,1-Dichloroethylene	0.7	0.07	ND
D030	2,4-Dinitrotoluene	0.13	0.013	ND
D012	Endrin	0.02	0.002	ND
D031	Heptachlor(and its hydroxide)	0.008	0.004	ND
D032	Hexachlorobenzene	0.13	0.013	ND
D033	Hexachloro-1,3-butadiene	0.5	0.05	ND
D034	Hexachloroethane	3.0	0.3	ND
D008	Lead	5.0	0.5	ND
D013	Lindane	0.4	0.04	ND
D009	Mercury	0.2	0.02	ND
D014	Methoxychlor	10.0	1	ND
D035	Methyl ethyl ketone	200.0	20	ND
D036	Nitrobenzene	2.0	0.2	ND
D037	Pentachlorophenol	100.0	10	ND
D038	Pyridine	5.0	0.5	ND
D010	Selenium	1.0	0.1	ND
D011	Silver	5.0	0.5	ND
D039	Tetrachloroethylene	0.7	0.07	ND
D015	Toxaphene	0.5	0.05	ND
D040	Trichloroethylene	0.5	0.05	ND
D041	2,4,5-Trichlorophenol	400.0	40	ND
D042	2,4,6-Trichlorophenol	2.0	0.2	ND
D017	2,4,5-TP (Silvex)	1.0	0.1	ND
D043	Vinyl chloride	0.20	0.02	ND
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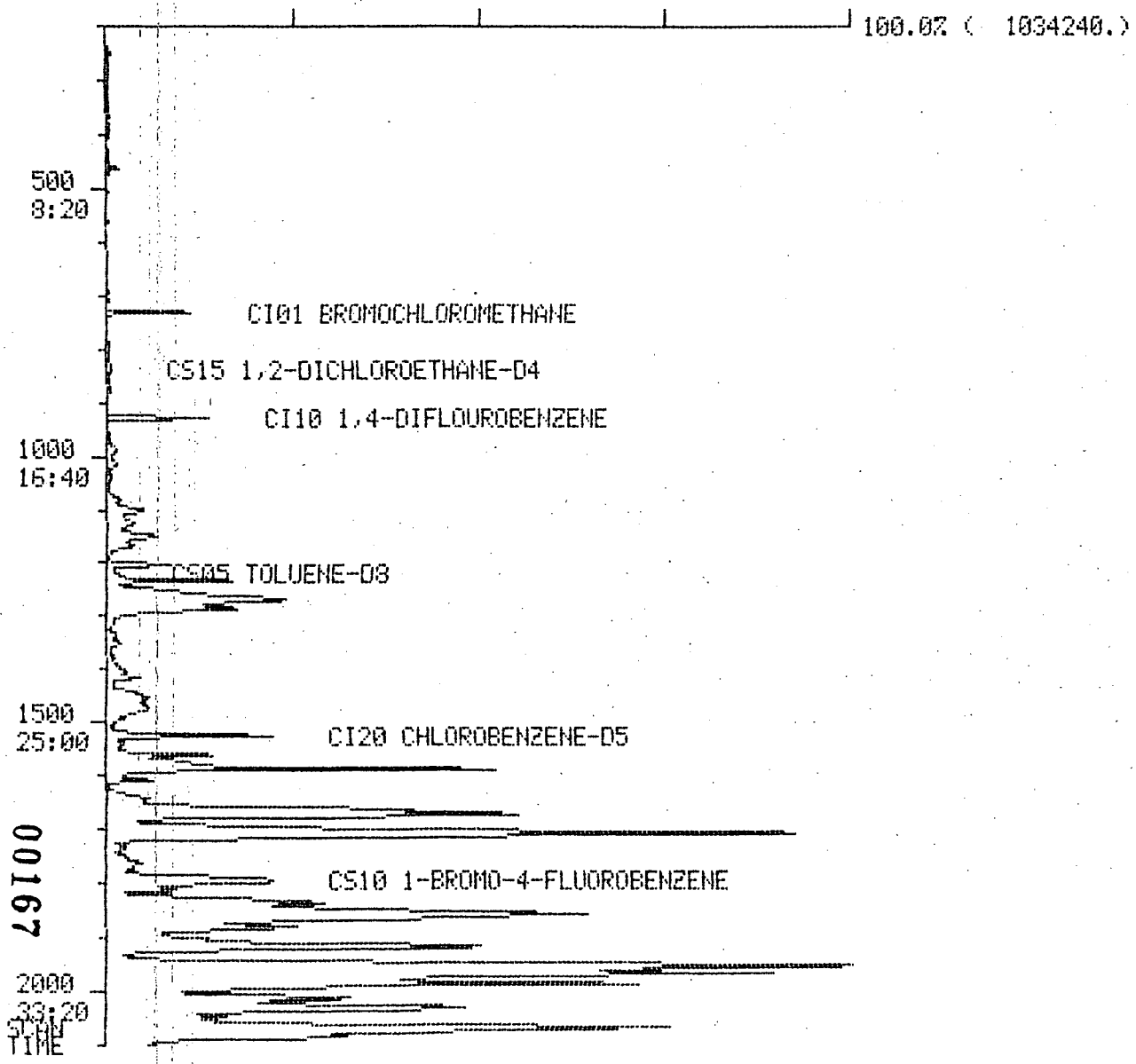
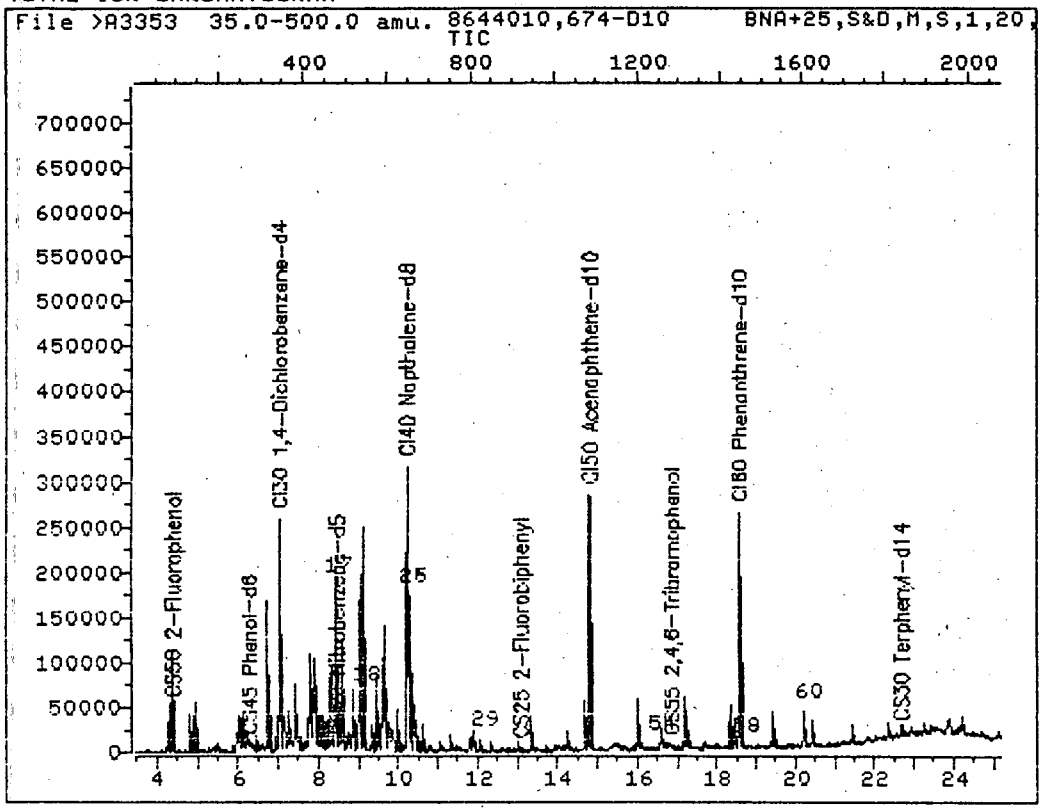
ND = None Detected

DATA FROM FILE: G2669 SCANS 200 TO 2100 ACQUIRED: 06/20/91 18:35:00
CALI: G2669 #2
SAMPLE: S&D ENVIRONMENTAL 8644010/674-D10, REC'D 6/13/91
CONDS.: 2UL(4G/10MLS)/5MLS,INST.G



00167

TOTAL ION CHROMATOGRAM



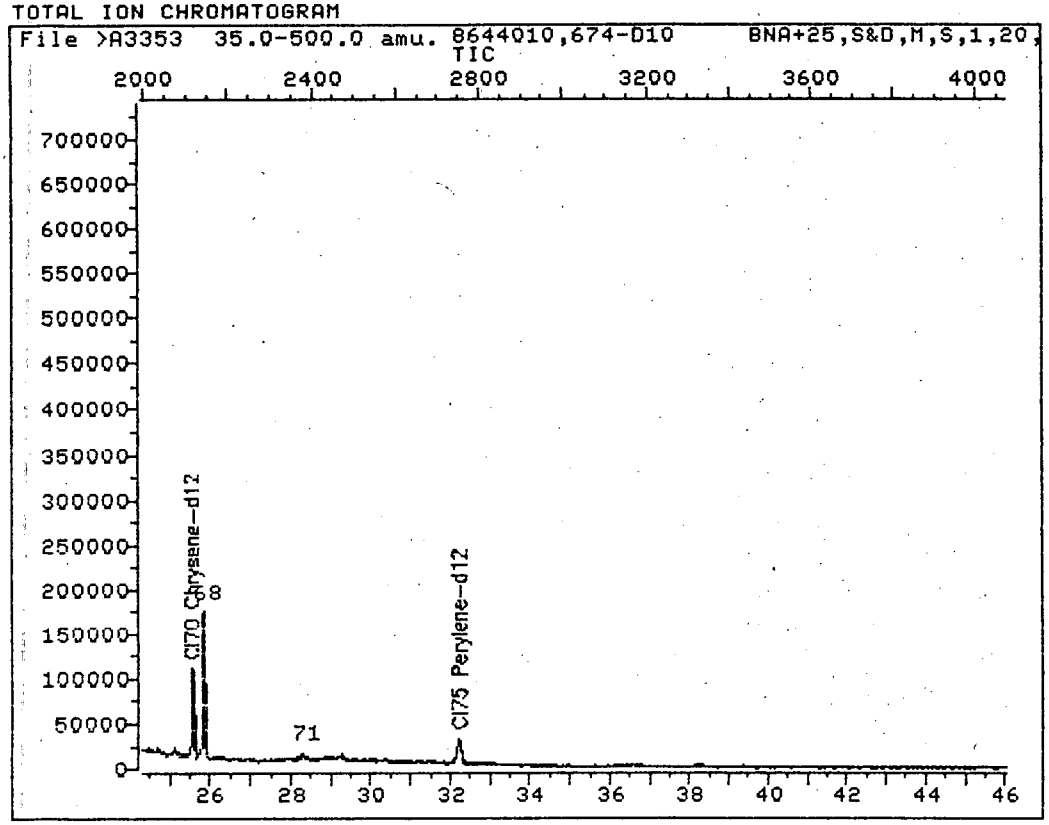
Data File: >A3353::D2 Quant Output File: ^A3353::QT
Name: 8644010,674-D10
Misc: BNA+25,S&D,M,S,1,20,D100,,R6/13,E6/18,INST:A BTL#39

Id File: CLPA1::SC
Title: ACID,BASE & NEUTRALS CLP COMPOUNDS
Last Calibration: 910620 12:20

Operator ID: NYTEST1
Quant Time: 910620 19:57
Injected at: 910620 19:07

TIC page 1 of 2

TOTAL ION CHROMATOGRAM



Data File: >A3353::D2 Quant Output File: ^A3353::QT
Name: 8644010,674-D10
Misc: BNA+25,S&D,M,S,1,20,D100,,R6/13,E6/18,INST:A BTL#39

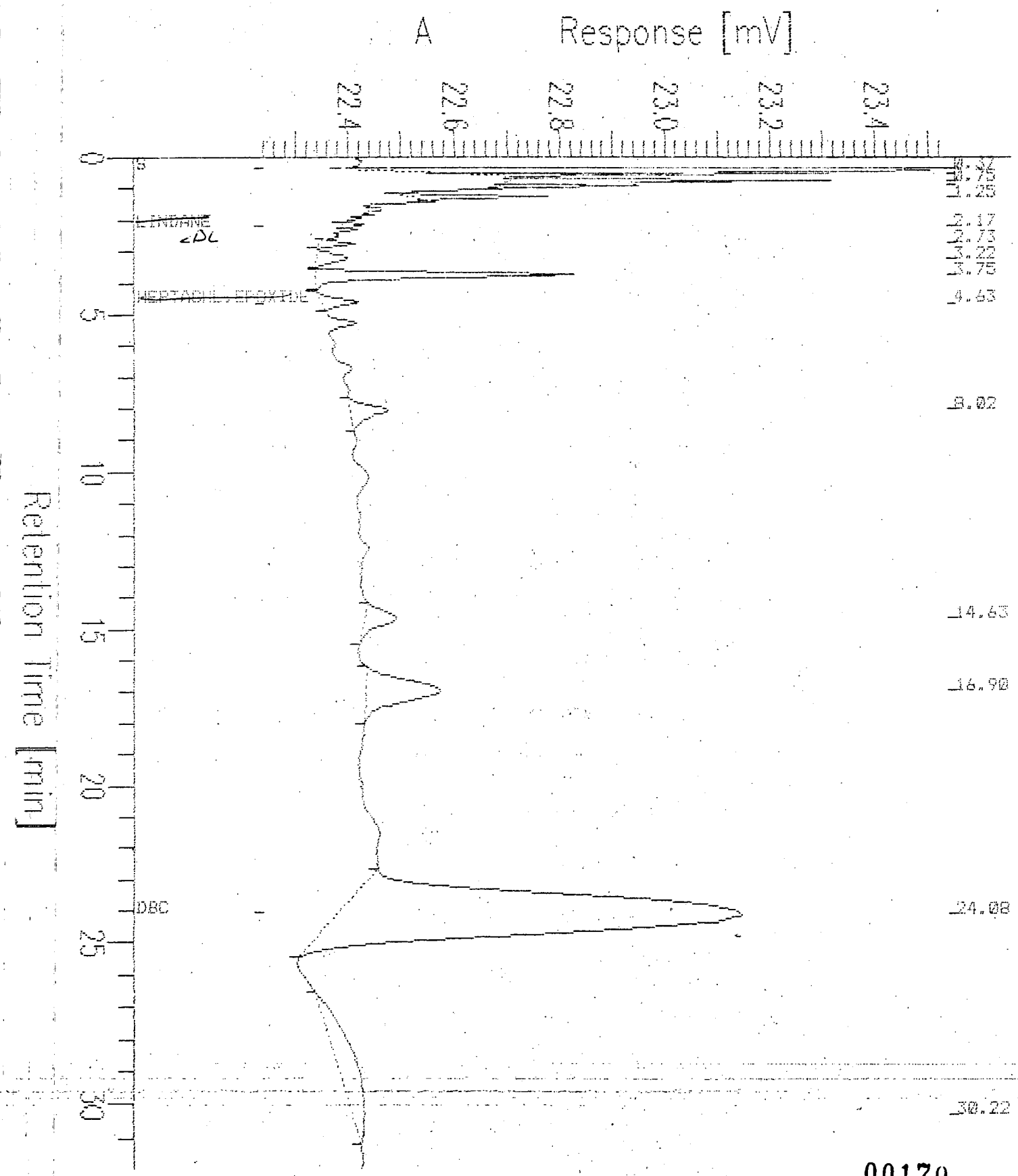
Id File: CLPA1::SC
Title: ACID,BASE & NEUTRALS CLP COMPOUNDS
Last Calibration: 910620 12:20

Operator ID: NYTEST1
Quant Time: 910620 19:57
Injected at: 910620 19:07

TIC page 2 of 2

STD Chromatogram N8644010 674-D10

FileName : 8066015.RAW
Start Time : 0.00 min
Scale Factor: 1
End Time : 32.00 min
Plot Offset: 22 mV
Date : 06/29/91 05:30 PM
Low Point : 22.24 mV
Plot Scale: 1 mV
High Point : 23.54 mV
Page 1 of 1

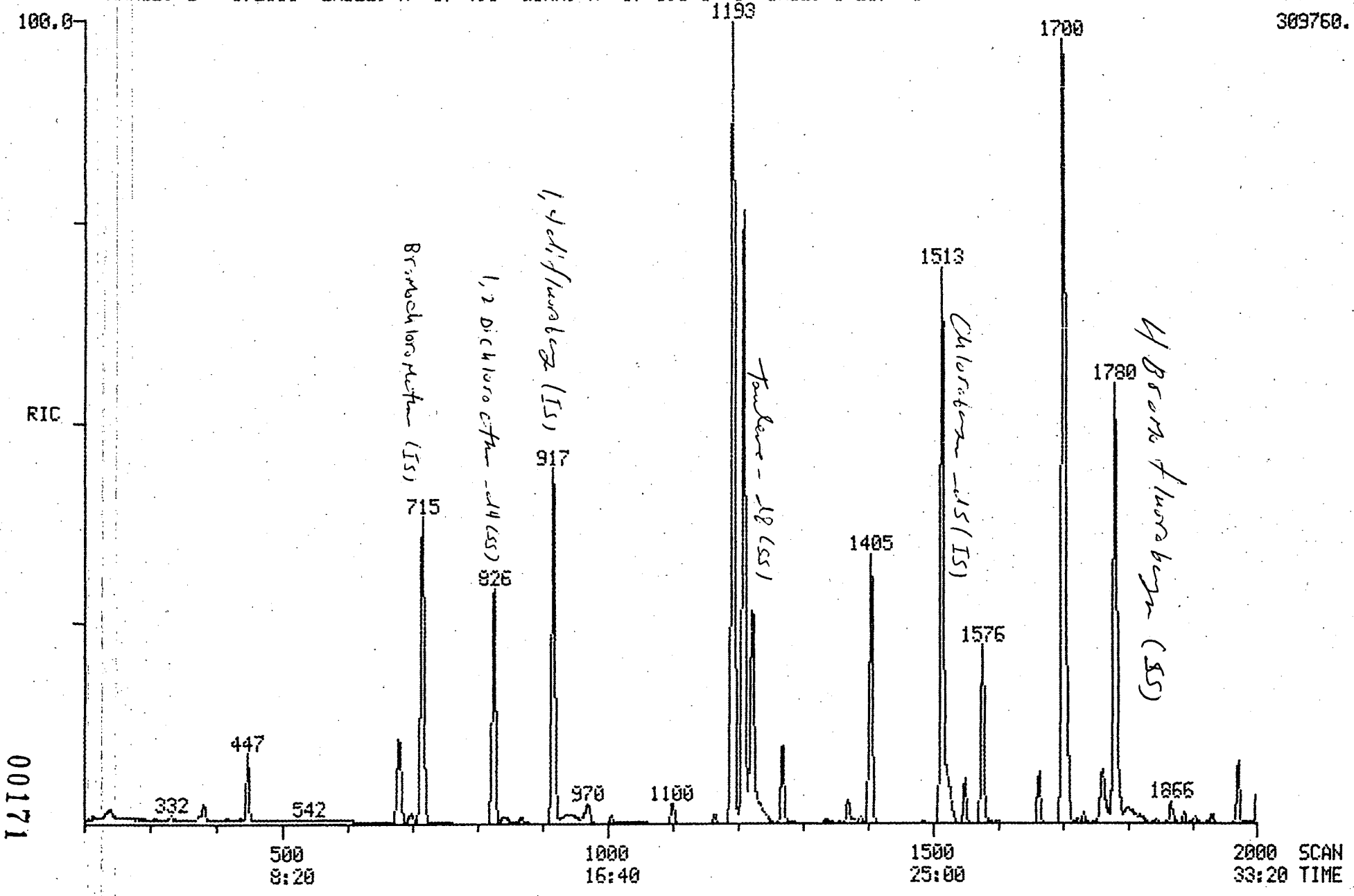


00170

RIC
06/25/91 17:18:00
SAMPLE: S&D ENV.,674-D10/8644010,REC'D 6/13/91
CONDS.: 20UL/5MLS,INST.G(TCLP)
RANGE: G 1,2100 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3

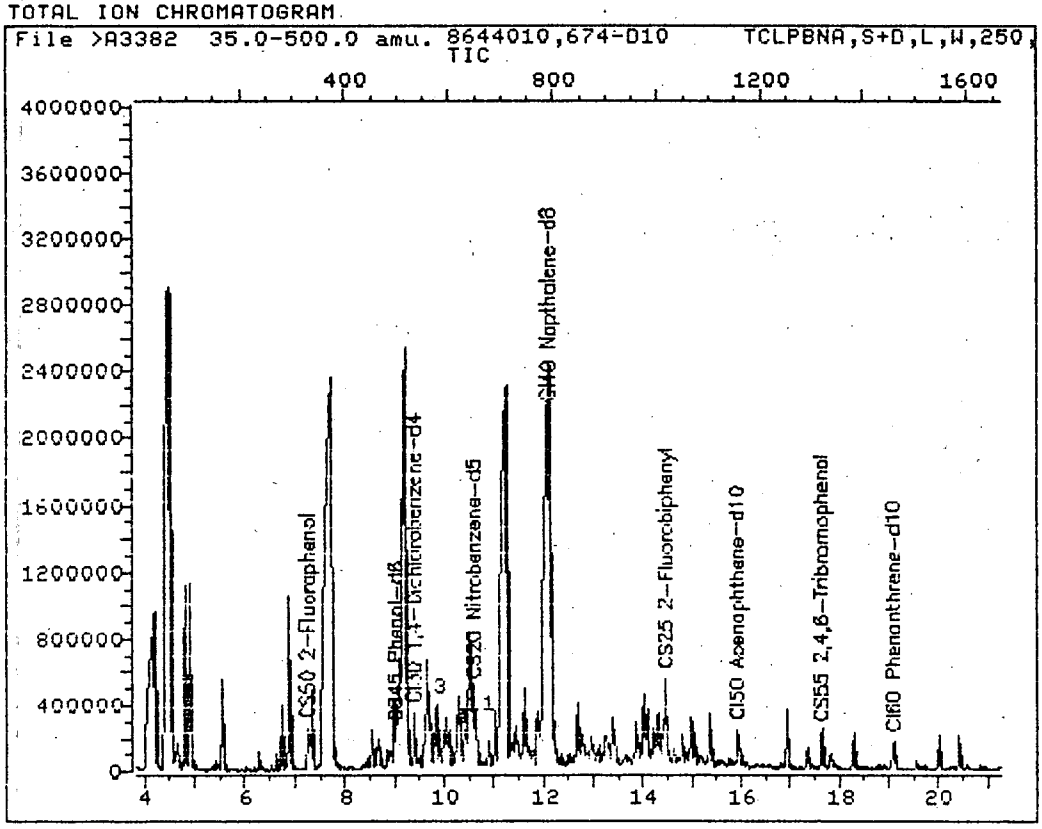
DATA: G2707 #1
CALI: G2707 #2

SCANS 200 TO 2000



00171

TOTAL ION CHROMATOGRAM



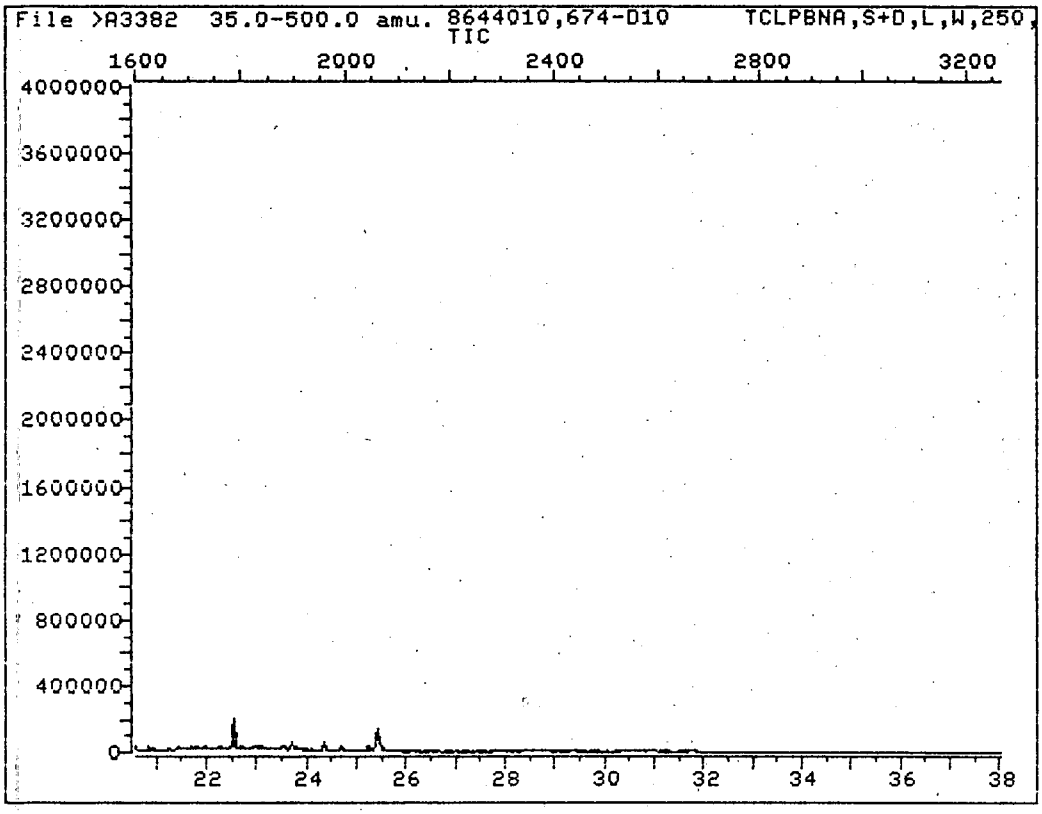
Data File: >A3382::D2 Quant Output File: ^A3382::QT
Name: 8644010,674-D10
Misc: TCLPBNA,S+D,L,W,250,1,,,R6/13,E6/19,INST:A,#1,(s+d) BTL#65

Id File: TCLPA::AQ
Title: ACID,BASE & NEUTRALS CLP COMPOUNDS
Last Calibration: 910624 07:29

Operator ID: NYTEST1
Quant Time: 910624 08:43
Injected at: 910622 04:05

TIC page 1 of 2

TOTAL ION CHROMATOGRAM



Data File: >A3382::D2 Quant Output File: ^A3382::QT
Name: 8644010,674-D10
Misc: TCLPBNA,S+D,L,W,250,1,,,R6/13,E6/19,INST:A,#1,(s+d) BTL#65

Id File: TCLPA::AQ
Title: ACID,BASE & NEUTRALS CLP COMPOUNDS
Last Calibration: 910624 07:29

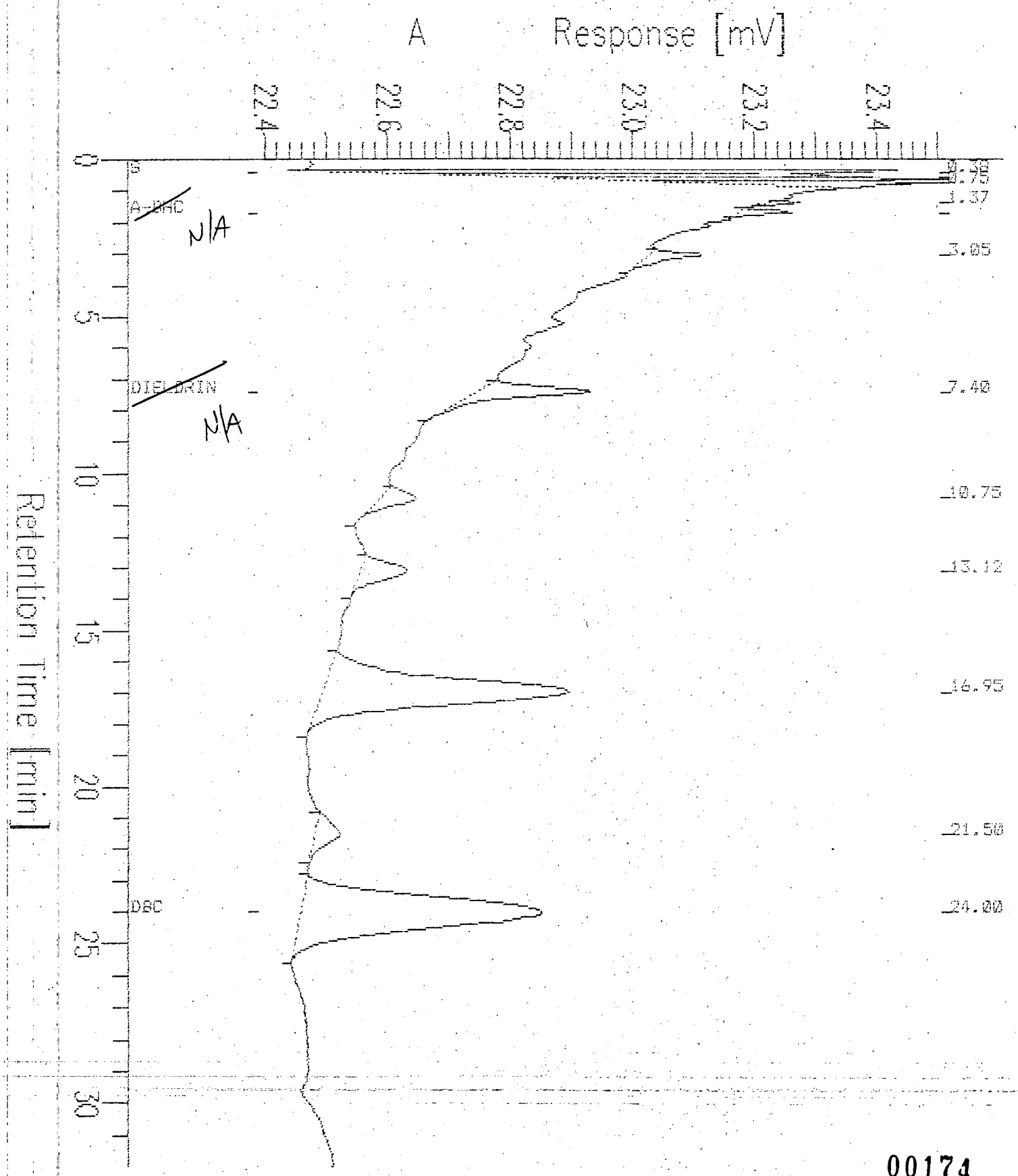
Operator ID: NYTEST1
Quant Time: 910624 08:43
Injected at: 910622 04:05

TIC page 2 of 2

STD Chromatogram N8644010 674-D10

FileName : C:\2700\DATA1\b06g027.raw
Date : 06/27/91 03:51 PM

Start Time : 0.00 min
End Time : 32.00 min
Low Point : 22.39 mV
High Point : 23.50 mV
Scale Factor: 1
Plot Offset: 22 mV
Plot Scale: 1 mV



STD

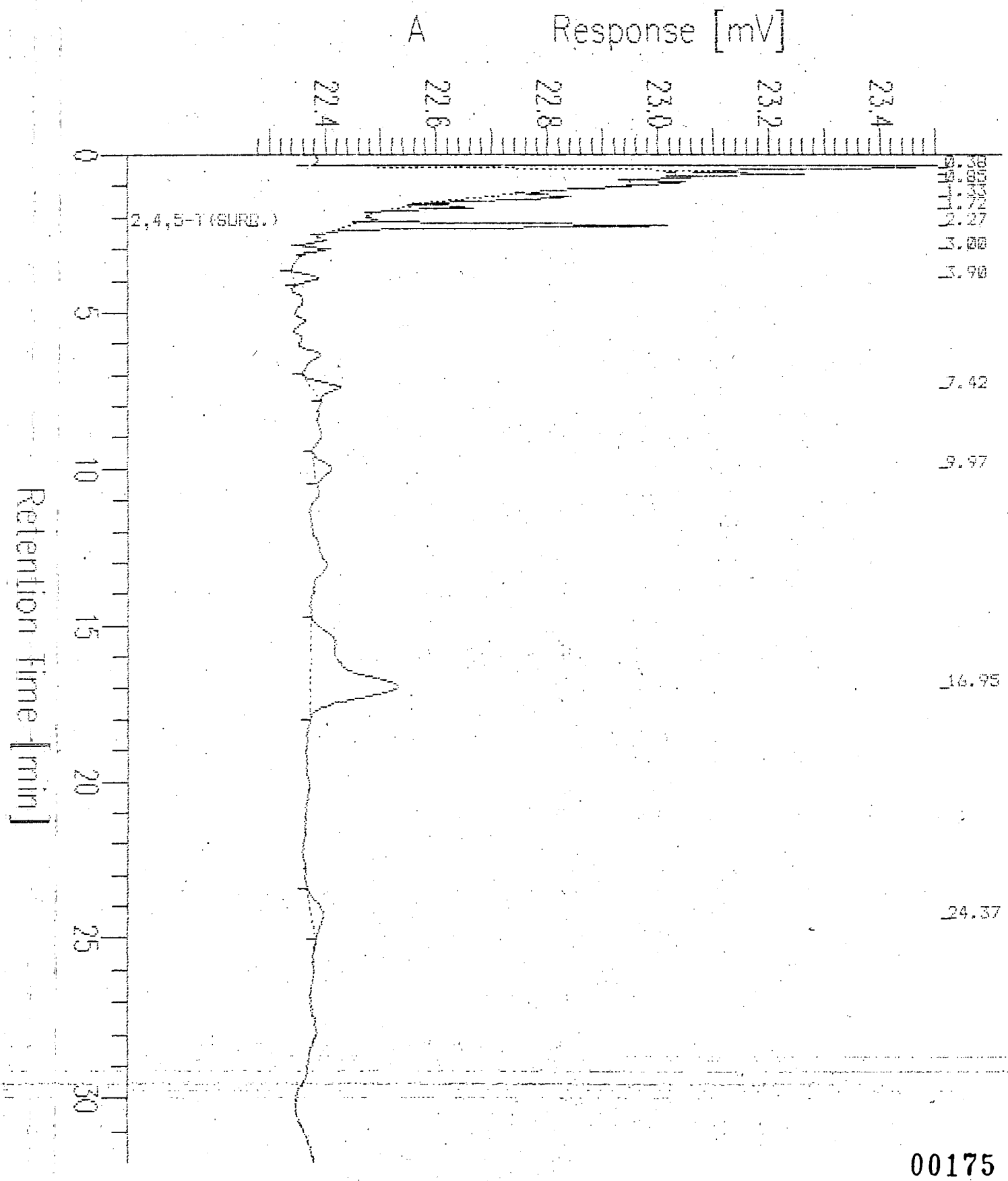
Chromatogram

N8644010

674-DVO

FileName : C:\2700\DATA1\b06gB39.raw
Date : 06/27/91 04:17 PM

Start Time : 0.00 min
End Time : 32.00 min
Low Point : 22.28 mV
High Point : 23.51 mV
Scale Factor: 1
Plot Offset: 22 mV
Plot Scale: 1 mV



1A-P

NYTEST ENVIRONMENTAL INC.

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE MATRIX: SOIL
CONC. LEVEL: MED
ANALYSIS DATE: 6/20/91

SAMPLE ID: 674-D11
LAB ID: 8644011
DIL FACTOR: 50.00
% MOISTURE: NA

CMPD #	CAS Number	VOLATILE COMPOUNDS	UG/KG
1	74-87-3	Chloromethane	62500.0 U.
2	74-83-9	Bromomethane	62500.0 U.
3	75-01-4	Vinyl Chloride	62500.0 U.
4	75-00-3	Chloroethane	62500.0 U.
5	75-09-2	Methylene Chloride	18000.0 JB
6	67-64-1	2-Propanone	62500.0 U.
7	75-15-0	Carbon disulfide	31000.0 U.
8	75-35-4	1,1-Dichloroethene	31000.0 U.
9	75-34-3	1,1-Dichloroethane	31000.0 U.
10	540-59-0	1,2-Dichloroethene (total)	31000.0 U.
11	67-66-3	Chloroform	31000.0 U.
12	107-06-2	1,2-Dichloroethane	31000.0 U.
13	78-93-3	2-Butanone	7100.0 J.
14	71-55-6	1,1,1-Trichloroethane	31000.0 U.
15	56-23-5	Carbon Tetrachloride	31000.0 U.
16	108-05-4	Vinyl Acetate	62500.0 U.
17	75-27-4	Bromodichloromethane	31000.0 U.
18	78-87-5	1,2-Dichloropropane	31000.0 U.
19	10061-01-5	cis-1,3-Dichloropropene	31000.0 U.
20	79-01-6	Trichloroethene	31000.0 U.
21	124-48-1	Dibromochloromethane	31000.0 U.
22	79-00-5	1,1,2-Trichloroethane	31000.0 U.
23	71-43-2	Benzene	31000.0 U.
24	10061-02-6	Trans-1,3-Dichloropropene	31000.0 U.
25	75-25-2	Bromoform	31000.0 U.
26	108-10-1	4-Methyl-2-Pentanone	19000.0 J.
27	591-78-6	2-Hexanone	62500.0 U.
28	127-18-4	Tetrachloroethene	31000.0 U.
29	79-34-5	1,1,2,2-Tetrachloroethane	31000.0 U.
30	108-88-3	Toluene	31000.0 U.
31	108-90-7	Chlorobenzene	31000.0 U.
32	100-41-4	Ethylbenzene	5900.0 J.
33	100-42-5	Styrene	31000.0 U.
34	1330-20-7	Xylene (total)	34000.0 T.
35	107-02-8	Acrolein	625000.0 U.
36	107-13-1	Acrylonitrile	625000.0 U.
37	110-75-8	2-Chloroethylvinylether	62500.0 U.
38		Dichlorodifluoromethane	62500.0 U.
39		Dichlorobenzene (total)	200000.0 U.
40			
41			

1B-P

NYTEST ENVIRONMENTAL INC.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE MATRIX:	SOIL	SAMPLE ID:	674-D11
CONC. LEVEL:	MED	LAB ID:	8644011
EXTRACTION DATE:	6/18/91	DIL FACTOR:	100.00
ANALYSIS DATE:	6/20/91	% MOISTURE:	NA

CMPD #	CAS Number	BASE NEUTRAL COMPOUNDS	UG/KG	CMPD #	CAS Number	BASE NEUTRAL/PAH COMPOUNDS	UG/KG
1	111-44-4	bis(2-Chloroethyl)ether	2000000.0 U.	42	91-20-3	Naphthalene	2000000.0 U.
2	541-73-1	1,3-Dichlorobenzene	2000000.0 U.	43	208-96-8	Acenaphthylene	2000000.0 U.
3	106-46-7	1,4-Dichlorobenzene	2000000.0 U.	44	83-32-9	Acenaphthene	2000000.0 U.
4	95-50-1	1,2-Dichlorobenzene	2000000.0 U.	45	86-73-7	Fluorene	2000000.0 U.
5	39638-32-9	bis(2-chloroisopropyl)ether	2000000.0 U.	46	85-01-8	Phenanthrene	2000000.0 U.
6	621-64-7	N-Nitroso-Di-n-Propylamine	2000000.0 U.	47	120-12-7	Anthracene	2000000.0 U.
7	67-72-1	Hexachloroethane	2000000.0 U.	48	206-44-0	Fluoranthene	2000000.0 U.
8	98-95-3	Nitrobenzene	2000000.0 U.	49	129-00-0	Pyrene	2000000.0 U.
9	78-59-1	Isophorone	2000000.0 U.	50	56-55-3	Benzo(a)Anthracene	2000000.0 U.
10	111-91-1	bis(2-chloroethoxy)Methane	2000000.0 U.	51	218-01-9	Chrysene	2000000.0 U.
11	120-82-1	1,2,4-Trichlorobenzene	2000000.0 U.	52	205-99-2	Benzo(b)Fluoranthene	2000000.0 U.
12	106-47-8	4-Chloroaniline	2000000.0 U.	53	207-08-9	Benzo(k)Fluoranthene	2000000.0 U.
13	87-68-3	Hexachlorobutadiene	2000000.0 U.	54	50-32-8	Benzo(a)Pyrene	2000000.0 U.
14	91-57-6	2-Methylnaphthalene	2000000.0 U.	55	193-39-5	Indeno(1,2,3-cd)Pyrene	2000000.0 U.
15	77-47-4	Hexachlorocyclopentadiene	2000000.0 U.	56	53-70-3	Dibenz(a,h)Anthracene	2000000.0 U.
16	91-58-7	2-Chloronaphthalene	2000000.0 U.	57	191-24-2	Benzo(g,h,i)Perylene	2000000.0 U.
17	88-74-4	2-Nitroaniline	10000000.0 U.	58			
18	131-11-3	Dimethyl Phthalate	2000000.0 U.	59			
19	99-09-2	3-Nitroaniline	10000000.0 U.	60			
20	132-64-9	Dibenzofuran	2000000.0 U.			ACID COMPOUNDS	
21	121-14-2	2,4-Dinitrotoluene	2000000.0 U.				
22	606-20-2	2,6-Dinitrotoluene	2000000.0 U.	61	108-95-2	Phenol	2000000.0 U.
23	84-66-2	Diethylphthalate	2000000.0 U.	62	95-57-8	2-Chlorophenol	2000000.0 U.
24	7005-72-3	4-Chlorophenyl-phenylether	2000000.0 U.	63	100-51-6	Benzyl Alcohol	2000000.0 U.
25	100-01-6	4-Nitroaniline	10000000.0 U.	64	95-48-7	2-Methylphenol	2000000.0 U.
26	86-30-6	N-Nitrosodiphenylamine	93000.0 J.	65	106-44-5	4-Methylphenol	2000000.0 U.
27	101-55-3	4-Bromophenyl-phenylether	2000000.0 U.	66	88-75-5	2-Nitrophenol	2000000.0 U.
28	118-74-1	Hexachlorobenzene	2000000.0 U.	67	105-67-9	2,4-Dimethylphenol	2000000.0 U.
29	84-74-2	Di-n-Butylphthalate	2000000.0 U.	68	65-85-0	Benzoic Acid	10000000.0 U.
30	85-68-7	Butylbenzylphthalate	2000000.0 U.	69	120-83-2	2,4-Dichlorophenol	2000000.0 U.
31	91-94-1	3,3'-Dichlorobenzidine	4000000.0 U.	70	59-50-7	4-Chloro-3-Methylphenol	2000000.0 U.
32	117-81-7	bis(2-Ethylhexyl)Phthalate	250000.0 J.	71	88-6-2	2,4,6-Trichlorophenol	2000000.0 U.
33	11784-0	Di-n-Octyl Phthalate	2000000.0 U.	72	95-95-4	2,4,5-Trichlorophenol	10000000.0 U.
34	62-75-9	N-Nitrosodimethylamine	2000000.0 U.	73	51-28-5	2,4-Dinitrophenol	10000000.0 U.
35	62-53-3	Aniline	2000000.0 U.	74	100-02-7	4-Nitrophenol	10000000.0 U.
36	92-87-5	Benzidine	16000000.0 U.	75	534-52-1	4,6-Dinitro-2-Methylphenol	10000000.0 U.
37		Dioxin (Screen)	ND	76	87-86-5	Pentachlorophenol	10000000.0 U.
38				77			
39				78			
40				79			
41				80			

1C

NYTEST ENVIRONMENTAL INC.

TENTATIVELY IDENTIFIED ORGANICS COMPOUND

SAMPLE ID: 674-D11

OF TIC FOUND: 14

LAB ID: 8644011

MATRIX: SOIL

FRACTION: VOA

	CAS Number	Compound Name	RT	Estimated Concentration UG/KG
1		UNKNOWN ALKANE	19:08	200000 J
2		UNKNOWN HYDROCARBON	20:09	210000 J
3		UNKNOWN ALKANE	21:09	200000 J
4		DIMETHYL CYCLOHEXANE ISOMER	21:23	86000 J
5		UNKNOWN ALKENE	21:32	1300000 J
6		UNKNOWN ALKANE	26:45	120000 J
7		SUBSTITUTED BENZENE	27:45	240000 J
8		TETRAMETHYL BENZENE ISOMER	28:21	350000 J
9		UNKNOWN ALKANE	30:08	170000 J
10		UNKNOWN ALKANE	30:31	180000 J
11		CYCLOHEXANE ISOMER	31:33	64000 J
12		UNKNOWN ALKANE	31:56	250000 J
13		UNKNOWN ALKANE	32:42	38000 J
14		UNKNOWN ALKANE	33:07	290000 J
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1C

NYTEST ENVIRONMENTAL INC.

TENTATIVELY IDENTIFIED ORGANICS COMPOUND

SAMPLE ID: 674-D11

OF TIC FOUND: 25

LAB ID: 8644011

MATRIX: SOIL

FRACTION: BNA

CAS Number	Compound Name	RT	Estimated Concentration UG/KG
1	UNKNOWN ALKANE	4.09	1300000 J
2	UNKNOWN ALKANE	4.70	5800000 J
3	CYCLOHEXANE ISOMER	4.94	2400000 J
4	UNKNOWN	5.03	1400000 J
5	UNKNOWN	5.18	2500000 J
6	UNKNOWN ALKANE	5.34	4800000 J
7	UNKNOWN ALKANE	5.50	1800000 J
8	UNKNOWN ALKANE	5.74	2700000 J
9	UNKNOWN ALKANE	5.85	3300000 J
10	UNKNOWN ALKANE	5.89	3100000 J
11	UNKNOWN ALKANE	6.03	2500000 J
12	CYCLOHEXANE ISOMER	6.35	1900000 J
13	UNKNOWN ALKANE	6.58	14000000 J
14	UNKNOWN ALKANE	6.99	2800000 J
15	UNKNOWN ALKANE	7.09	2100000 J
16	CYCLOHEXANE ISOMER	7.27	1600000 J
17	UNKNOWN ALKANE	7.63	2100000 J
18	UNKNOWN ALKANE	7.70	1800000 J
19	UNKNOWN ALKANE	7.76	4200000 J
20	UNKNOWN ALKANE	7.88	2400000 J
21	UNKNOWN ALKANE	8.41	13000000 J
22	UNKNOWN ALKANE	8.81	1400000 J
23	UNKNOWN ALKANE	8.89	1300000 J
24	UNKNOWN ALKANE	9.37	1300000 J
25	UNKNOWN ALKANE	9.52	1200000 J
26			
27			
28			
29			
30			

1 D-T

NYTEST ENVIRONMENTAL INC.

TCL PESTICIDE/PCB ORGANICS ANALYSIS DATA SHEET

SAMPLE MATRIX:	SOIL	SAMPLE ID:	674-D11
CONC. LEVEL:	MED	LAB SAMPLE ID:	8644011
EXTRACTION DATE:	6/18/91	DIL FACTOR:	1.00
ANALYSIS DATE:	6/26/91	% MOISTURE:	NA

CMPD #	CAS Number	PESTICIDE/PCB COMPOUND	UG/KG
1	319-84-6	Alpha-BHC	120.000 U.
2	319-85-7	Beta-BHC	120.000 U.
3	319-86-8	Delta-BHC	120.000 U.
4	58-89-9	Gamma-BHC(Lindane)	120.000 U.
5	76-44-8	Heptachlor	120.000 U.
6	309-00-2	Aldrin	120.000 U.
7	1024-57-3	Heptachlor Epoxide	120.000 U.
8	959-98-8	Endosulfan I	120.000 U.
9	60-57-1	Dieldrin	240.000 U.
10	72-55-9	4,4'-DDE	240.000 U.
11	70-20-8	Endrin	240.000 U.
12	33213-65-9	Endosulfan II	240.000 U.
13	72-54-8	4,4-DDD	240.000 U.
14	1031-07-8	Endosulfan Sulfate	240.000 U.
15	50-29-3	4,4'-DDT	240.000 U.
16	53494-70-5	Endrin Ketone	240.000 U.
17	72-43-5	Methoxychlor	1200.000 U.
18	57-74-9	Chlordane	1200.000 U.
19	8001-35-2	Toxaphene	2400.000 U.
20	12674-11-2	Aroclor-1016	1200.000 U.
21	11104-28-2	Aroclor-1221	1200.000 U.
22	11141-16-5	Aroclor-1232	1200.000 U.
23	53469-21-9	Aroclor-1242	1200.000 U.
24	12672-29-6	Aroclor-1248	1200.000 U.
25	11097-69-1	Aroclor-1254	2400.000 U.
26	11096-82-5	Aroclor-1260	2400.000 U.

nytest environmental inc.

Sample Identification and Results

Log In No: 8644

Sample No: 674-D11
Lab Sample ID No: 8644011

Results in mg/kg:

TCL Metals	Found
Aluminum	180.0
Antimony	<5.0
Arsenic	<2.0
Barium	62.2
Beryllium	<1.0
Cadmium	<1.0
Calcium	409.0
Chromium	15.4
Cobalt	<5.0
Copper	<5.0
Iron	4600.0
Lead	6.82
Magnesium	5610.0
Manganese	21.4
Mercury	<0.1
Nickel	33.3
Potassium	37.2
Selenium	<1.0
Silver	<5.0
Sodium	17.2
Thallium	<5.0
Vanadium	53.4
Zinc	6.23

TCLP Results 2-J Sample ID: 624-D11
Lab ID: 8644011

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
D018	Benzene	0.50	0.05	ND
D006	Cadmium	1.0	0.1	ND
D019	Carbon tetrachloride	0.50	0.05	ND
D020	Chlordane	0.03	0.003	ND
D021	Chlorobenzene	100.0	10	ND
D022	Chloroform	6.0	0.6	ND
D007	Chromium	5.0	0.5	ND
D023	o-Cresol	200	20	ND
D024	m-Cresol	200	20	ND
D025	p-Cresol	200	20	ND
D026	Cresol	200	20	ND
D016	2,4-D	10.0	1	ND
D027	1,4-Dichlorobenzene	7.5	0.75	ND
D028	1,2-Dichloroethane	0.5	0.05	ND
D029	1,1-Dichloroethylene	0.7	0.07	ND
D030	2,4-Dinitrotoluene	0.13	0.013	ND
D012	Endrin	0.02	0.002	ND
D031	Heptachlor(and its hydroxide)	0.008	0.004	ND
D032	Hexachlorobenzene	0.13	0.013	ND
D033	Hexachloro-1,3-butadiene	0.5	0.05	ND
D034	Hexachloroethane	3.0	0.3	ND
D008	Lead	5.0	0.5	ND
D013	Lindane	0.4	0.04	ND
D009	Mercury	0.2	0.02	ND
D014	Methoxychlor	10.0	1	ND
D035	Methyl ethyl ketone	200.0	20	ND
D036	Nitrobenzene	2.0	0.2	ND
D037	Pentachlorophenol	100.0	10	ND
D038	Pyridine	5.0	0.5	ND
D010	Selenium	1.0	0.1	ND
D011	Silver	5.0	0.5	ND
D039	Tetrachloroethylene	0.7	0.07	ND
D015	Toxaphene	0.5	0.05	ND
D040	Trichloroethylene	0.5	0.05	ND
D041	2,4,5-Trichlorophenol	400.0	40	ND
D042	2,4,6-Trichlorophenol	2.0	0.2	ND
D017	2,4,5-TP (Silvex)	1.0	0.1	ND
D043	Vinyl chloride	0.20	0.02	ND
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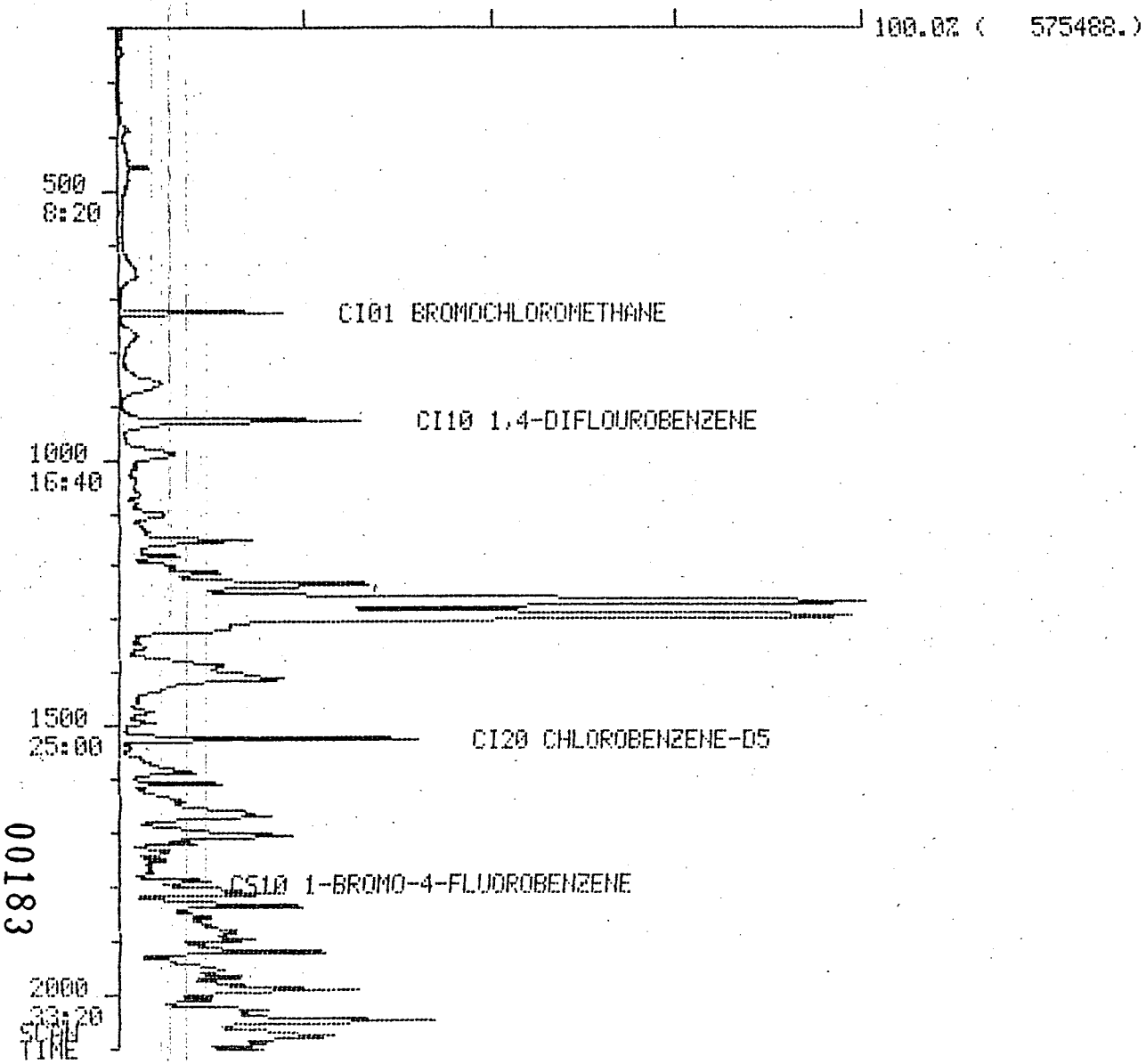
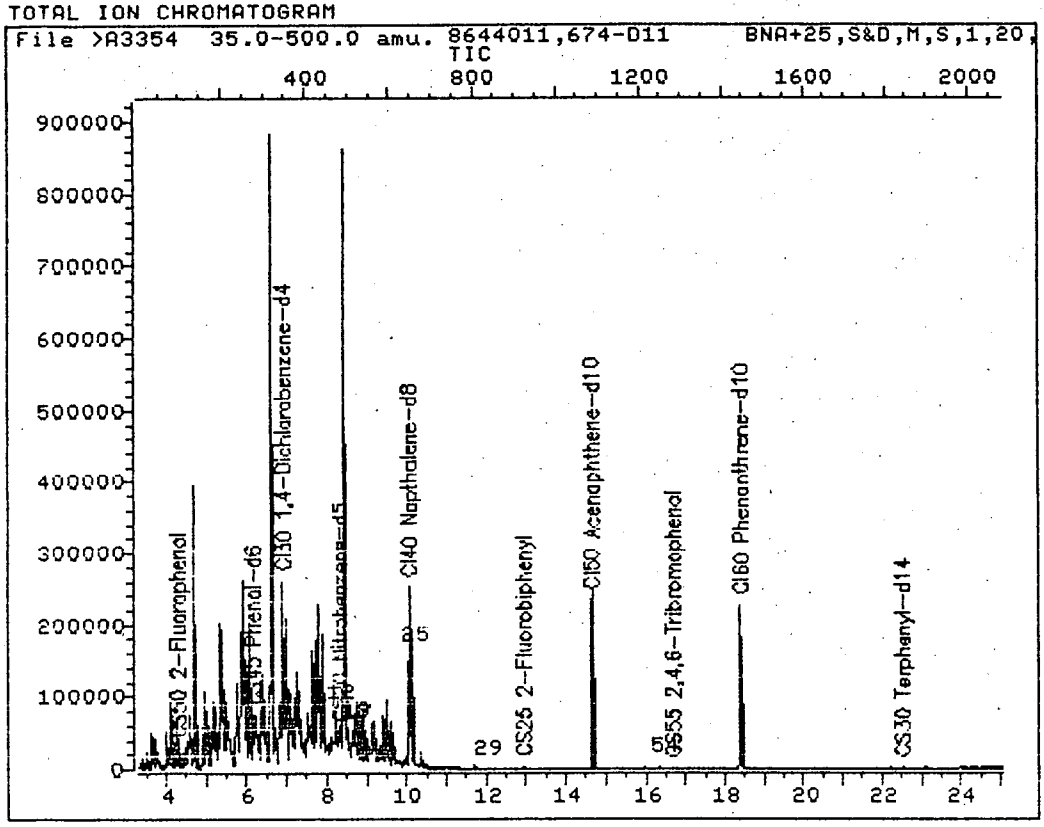
ND = None Detected

DATA FROM FILE: G2670 SCANS 200 TO 2100 ACQUIRED: 06/20/91 19:18:00
CALI: G2670 #2
SAMPLE: S&D ENVIRONMENTAL 8644011/674-D11, REC'D 6/13/91
CONDS.: 2UL(4G/10MLS)/5MLS,INST.G



00183

TOTAL ION CHROMATOGRAM



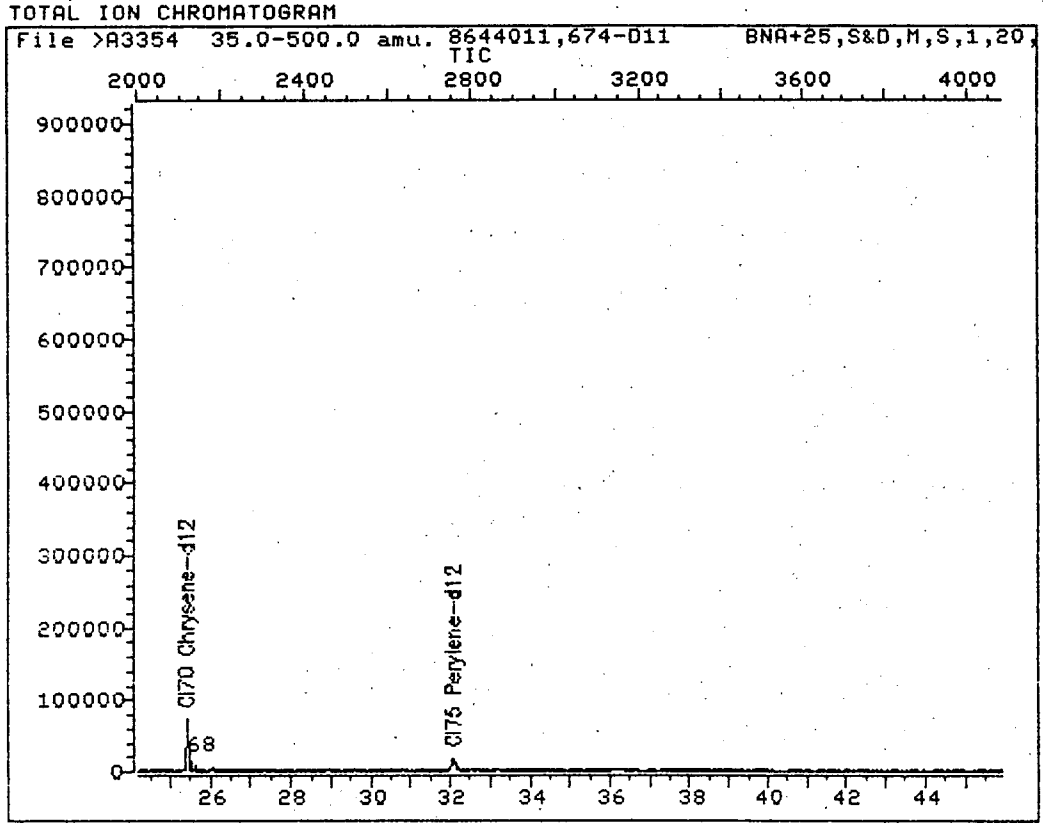
Data File: >A3354::D2 Quant Output File: ^A3354::QT
Name: 8644011,674-D11
Misc: BNA+25,S&D,M,S,1,20,D100,,R6/13,E6/18,INST:A BTL#40

Id File: CLPA1::SC
Title: ACID,BASE & NEUTRALS CLP COMPOUNDS
Last Calibration: 910620 12:20

Operator ID: NYTEST1
Quant Time: 910620 20:51
Injected at: 910620 20:01

TIC page 1 of 2

TOTAL ION CHROMATOGRAM



Data File: >A3354::D2 Quant Output File: ^A3354::QT
Name: 8644011,674-D11
Misc: BNA+25,S&D,M,S,1,20,D100,,R6/13,E6/18,INST:A BTL#40

Id File: CLPA1::SC
Title: ACID,BASE & NEUTRALS CLP COMPOUNDS
Last Calibration: 910620 12:20

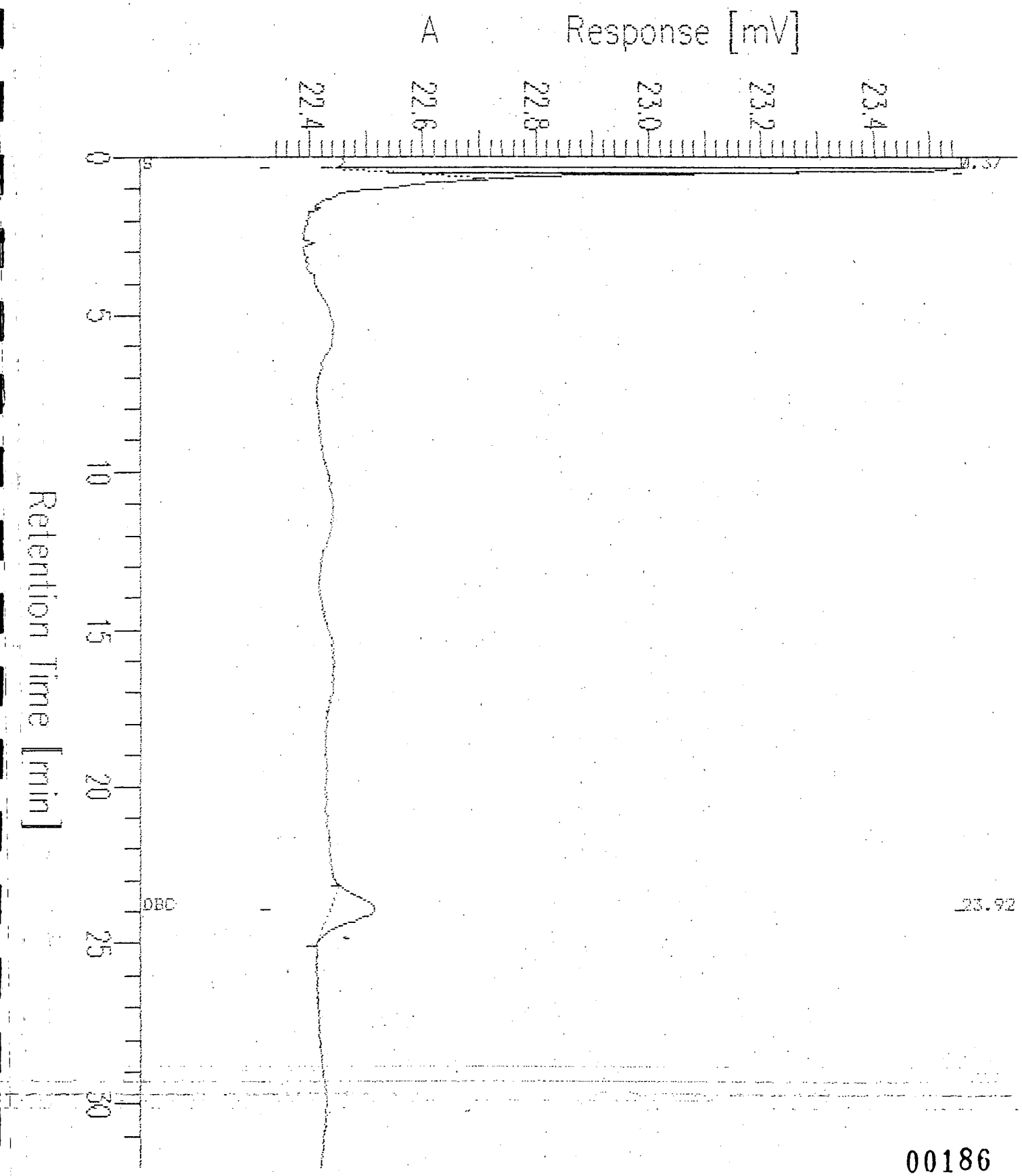
Operator ID: NYTEST1
Quant Time: 910620 20:51
Injected at: 910620 20:01

TIC page 2 of 2

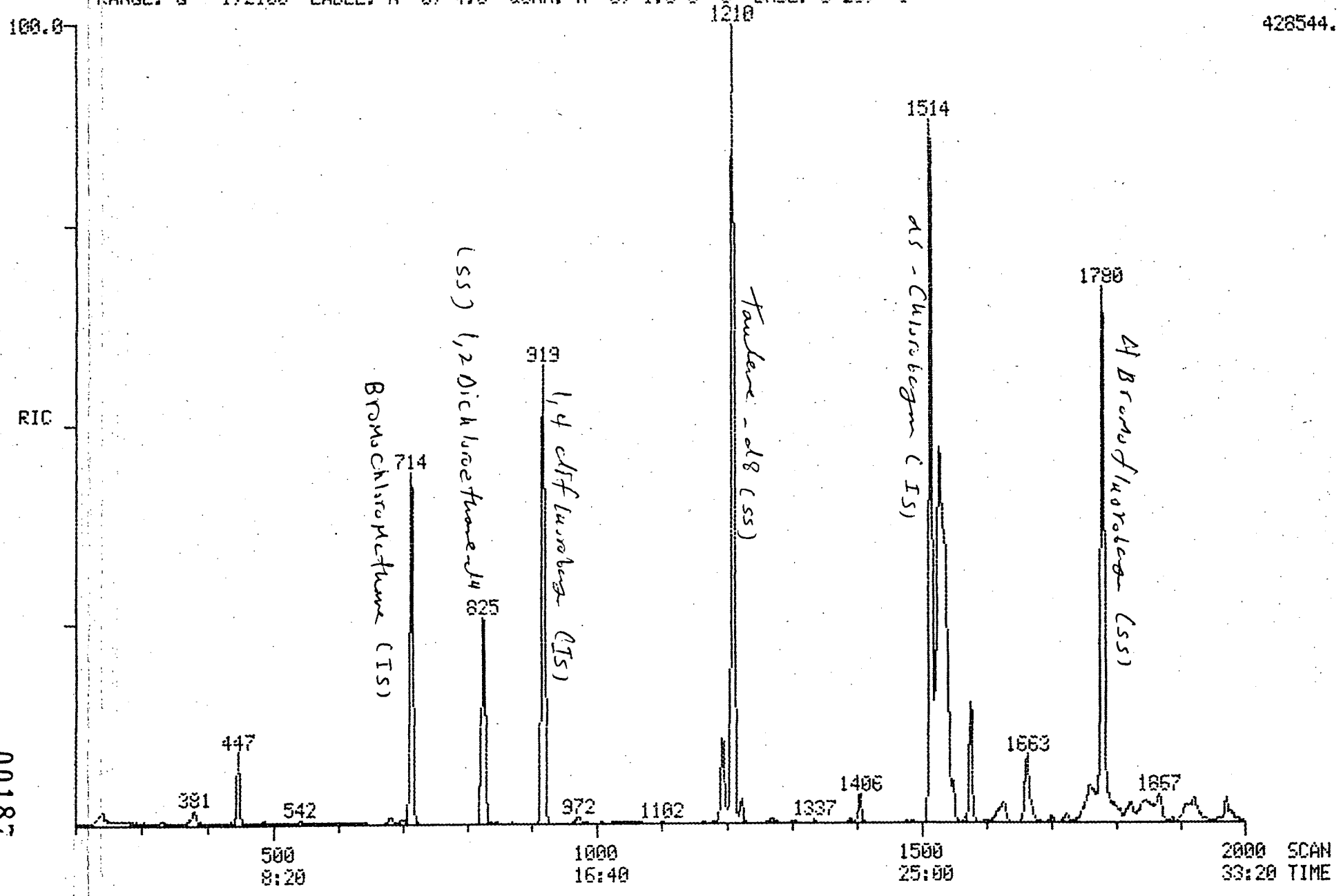
STD Chromatogram N8644011 674-011

FileName : C:\2700\DATA1\b06g016.raw
Date : 06/27/91 03:30 PM

Start Time : 0.00 min
End Time : 32.00 min
Low Point : 22.33 mV
High Point : 23.54 mV
Scale Factor: 1
Plot Offset: 22 mV
Plot Scale: 1 mV

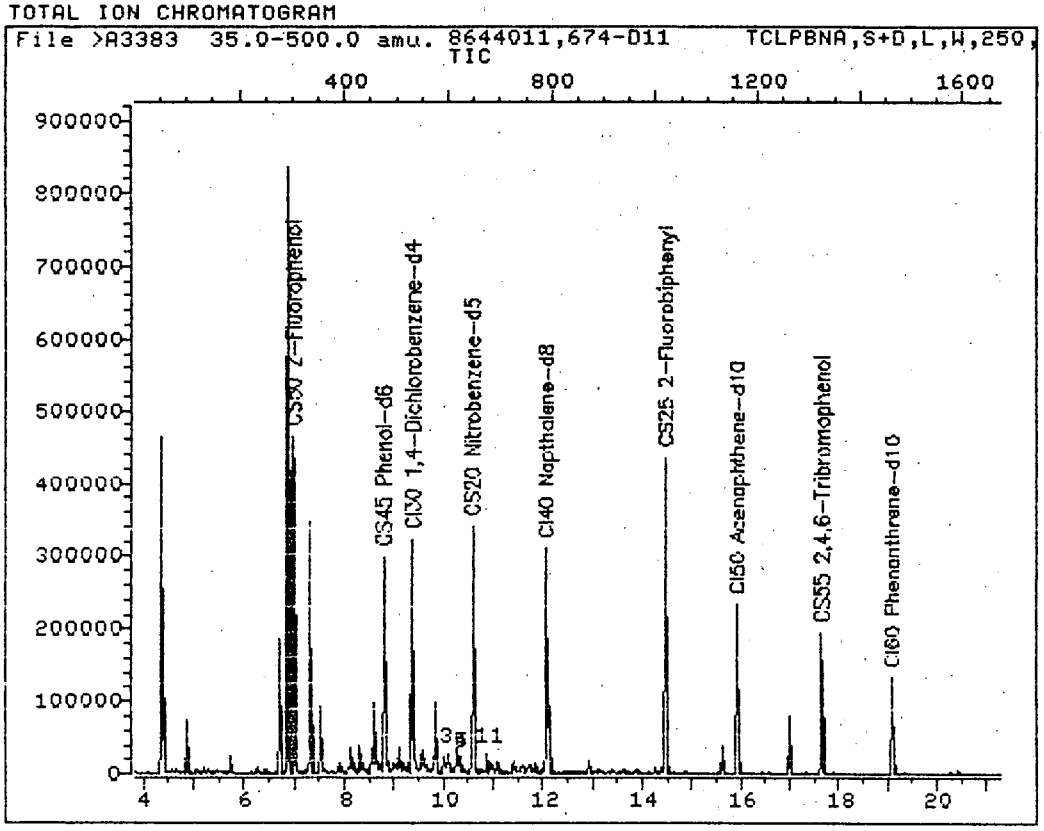


RIC DATA: G2708 #1 SCANS 200 TO 2000
06/25/91 17:59:00 CALI: G2708 #2
SAMPLE: S&D ENV.,674-D11/8544011,REC'D 6/13/91
CONDS.: 20UL/5MLS,INST G(TCLP)
RANGE: G 1,2100 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3



00187

TOTAL ION CHROMATOGRAM



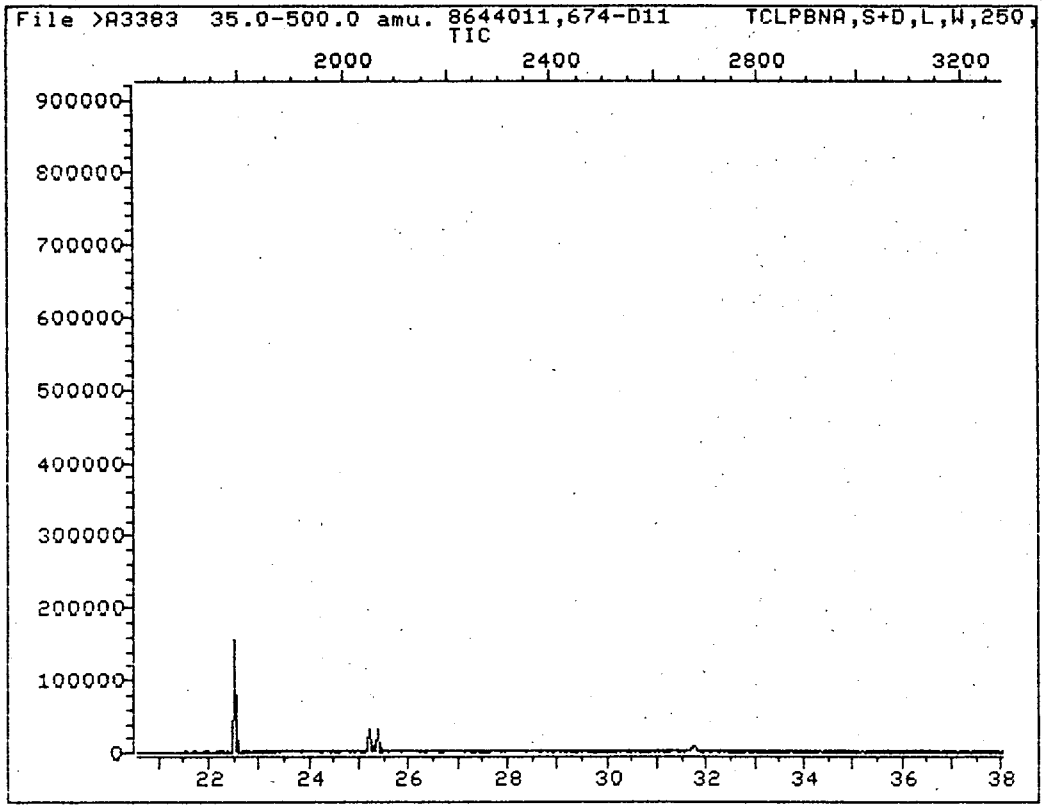
Data File: >A3383::D2 Quant Output File: ^A3383::QT
Name: 8644011,674-D11
Misc: TCLPBNA,S+D,L,W,250,1,,,R6/13,E6/19,INST:A,#1,(s+d) BTL#66

Id File: TCLPA::AQ
Title: ACID,BASE & NEUTRALS CLP COMPOUNDS
Last Calibration: 910624 07:29

Operator ID: NYTEST1
Quant Time: 910624 08:48
Injected at: 910622 04:51

TIC page 1 of 2

TOTAL ION CHROMATOGRAM



Data File: >A3383::D2 Quant Output File: ^A3383::QT
Name: 8644011,674-D11
Misc: TCLPBNA,S+D,L,W,250,1,,,R6/13,E6/19,INST:A,#1,(s+d) BTL#66

Id File: TCLPA::AQ
Title: ACID,BASE & NEUTRALS CLP COMPOUNDS
Last Calibration: 910624 07:29

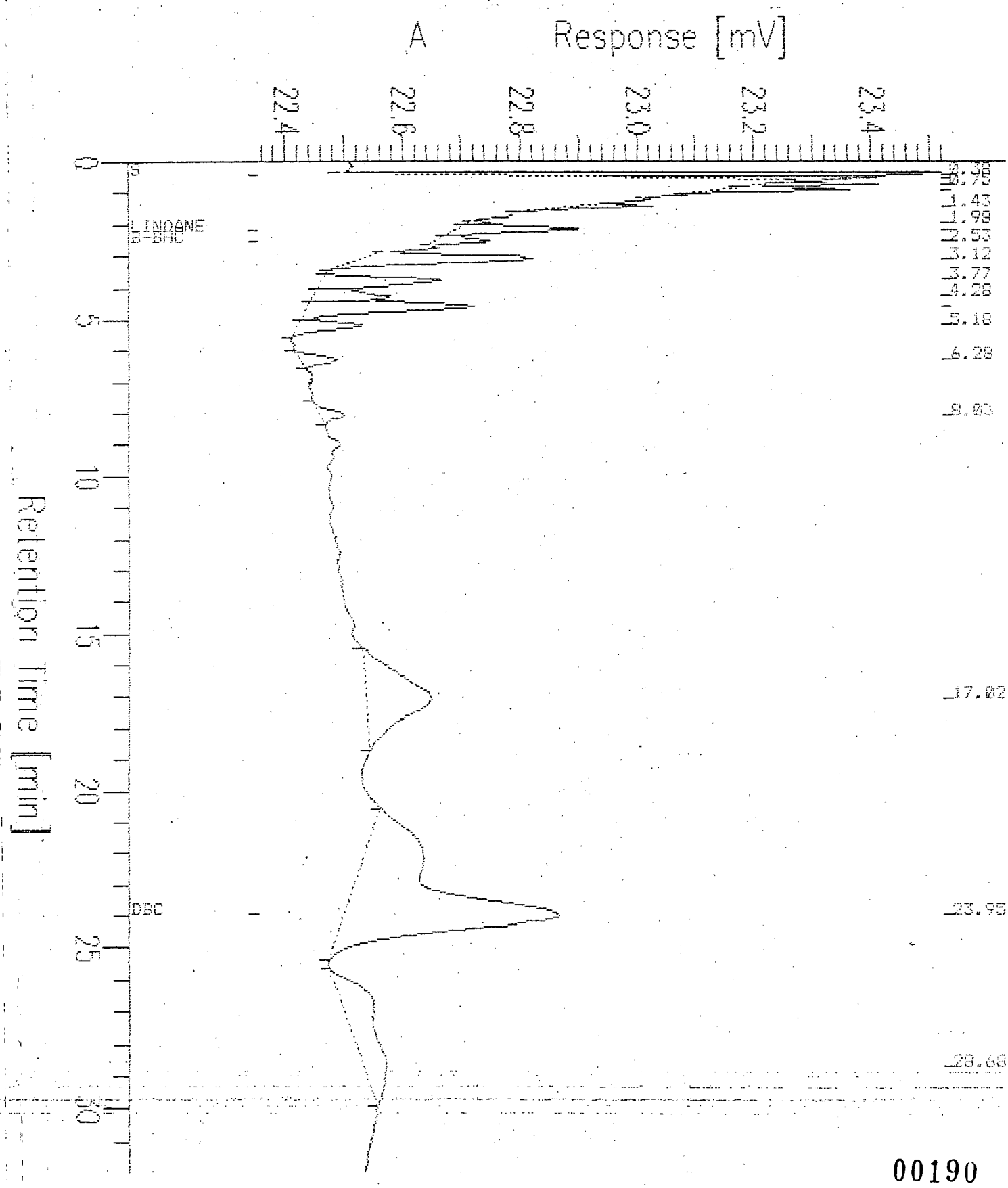
Operator ID: NYTEST1
Quant Time: 910624 08:48
Injected at: 910622 04:51

TIC page 2 of 2

STD Chromatogram N8644011 674-D11

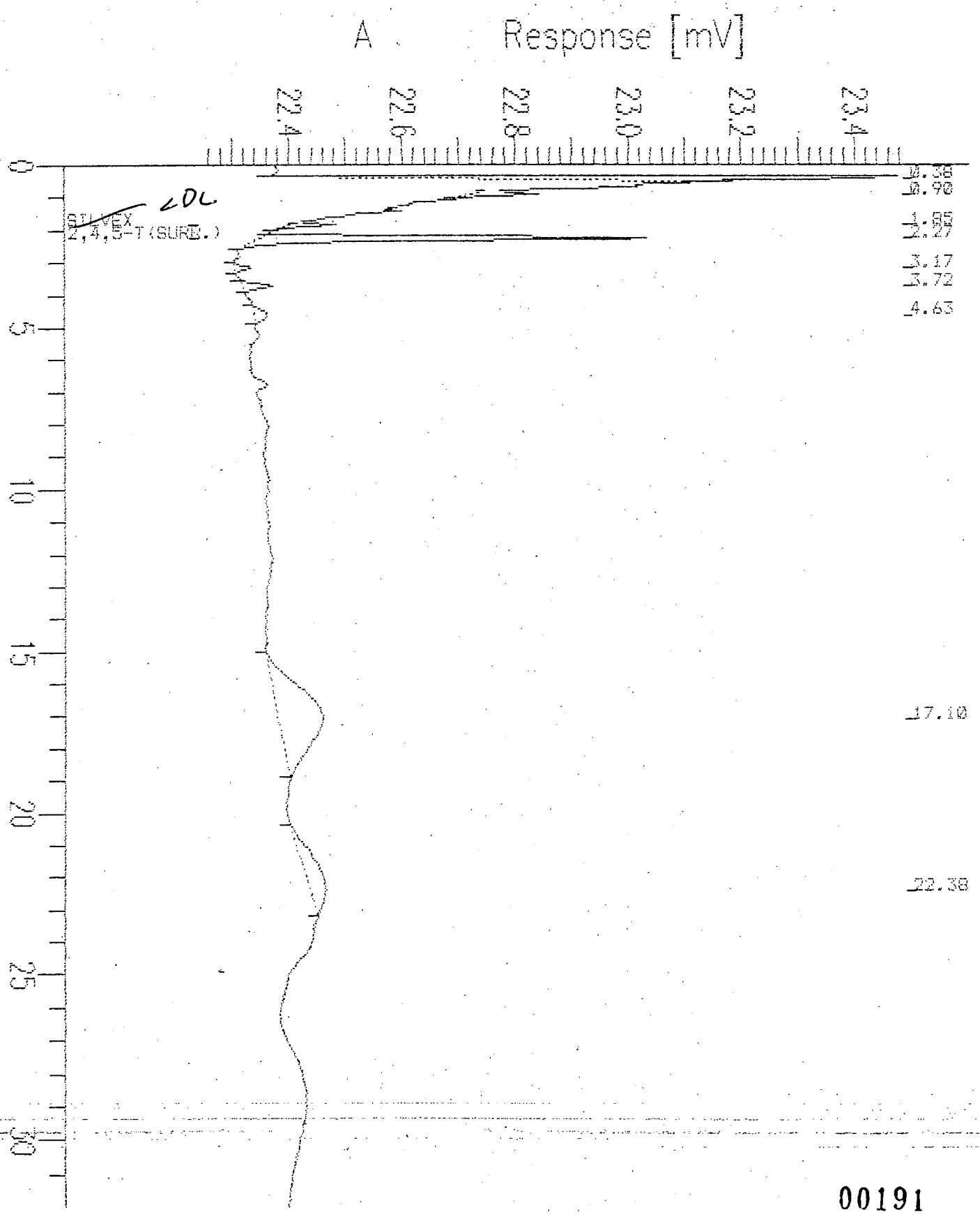
FileName : C:\2700\DATA1\b06g028.raw
Date : 06/27/91 03:55 PM

Start Time : 0.00 min
End Time : 32.00 min
Low Point : 22.35 mV
High Point : 23.52 mV
Scale Factor: 1
Plot Offset: 22 mV.
Plot Scale: 1 mV



STD Chromatogram N8644011 674-D11

FileName : C:\2700\DATA1\b06g848.raw
Date : 06/27/91 04:20 PM
Page 1 of 1
Start Time : 0.00 min
End Time : 32.00 min
Low Point : 22.24 mV
High Point : 23.49 mV
Scale Factor: 1
Plot Offset: 22 mV
Plot Scale: 1 mV



00191

1A-P

NYTEST ENVIRONMENTAL INC.

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE MATRIX: SOIL
CONC. LEVEL: MED
ANALYSIS DATE: 6/14/91

SAMPLE ID: VBLKG09
LAB ID: G2646
DIL FACTOR: 1.00
% MOISTURE: NA

CMPD #	CAS Number	VOLATILE COMPOUNDS	UG/KG (DRY BASIS)
1	74-87-3	Chloromethane	1250.0 U.
2	74-83-9	Bromomethane	1250.0 U.
3	75-01-4	Vinyl Chloride	1250.0 U.
4	75-00-3	Chloroethane	1250.0 U.
5	75-09-2	Methylene Chloride	210.0 J.
6	67-64-1	2-Propanone	1250.0 U.
7	75-15-0	Carbon disulfide	625.0 U.
8	75-35-4	1,1-Dichloroethene	625.0 U.
9	75-34-3	1,1-Dichloroethane	625.0 U.
10	540-59-0	1,2-Dichloroethene (total)	625.0 U.
11	67-66-3	Chloroform	625.0 U.
12	107-06-2	1,2-Dichloroethane	625.0 U.
13	78-93-3	2-Butanone	1250.0 U.
14	71-55-6	1,1,1-Trichloroethane	625.0 U.
15	56-23-5	Carbon Tetrachloride	625.0 U.
16	108-05-4	Vinyl Acetate	1250.0 U.
17	75-27-4	Bromodichloromethane	625.0 U.
18	78-87-5	1,2-Dichloropropane	625.0 U.
19	10061-01-5	cis-1,3-Dichloropropene	625.0 U.
20	79-01-6	Trichloroethene	625.0 U.
21	124-48-1	Dibromochloromethane	625.0 U.
22	79-00-5	1,1,2-Trichloroethane	625.0 U.
23	71-43-2	Benzene	625.0 U.
24	10061-02-6	Trans-1,3-Dichloropropene	625.0 U.
25	75-25-2	Bromoform	625.0 U.
26	108-10-1	4-Methyl-2-Pentanone	1250.0 U.
27	591-78-6	2-Hexanone	1250.0 U.
28	127-18-4	Tetrachloroethene	625.0 U.
29	79-34-5	1,1,2,2-Tetrachloroethane	625.0 U.
30	108-88-3	Toluene	625.0 U.
31	108-90-7	Chlorobenzene	625.0 U.
32	100-41-4	Ethylbenzene	625.0 U.
33	100-42-5	Styrene	625.0 U.
34	1330-20-7	Xylene (total)	625.0 U.
35	107-02-8	Acrolein	12500.0 U.
36	107-13-1	Acrylonitrile	12500.0 U.
37	110-75-8	2-Chloroethylvinylether	1250.0 U.
38		Dichlorodifluoromethane	1250.0 U.
39		Dichlorobenzene (total)	3750.0 U.
40			
41			

1C

NYTEST ENVIRONMENTAL INC.

TENTATIVELY IDENTIFIED ORGANICS COMPOUND

SAMPLE ID: VBLKG09

OF TIC FOUND: 1

LAB ID: G2646

MATRIX: SOIL

FRACTION: VOA

	CAS Number	Compound Name	RT	Estimated Concentration UG/KG (DRY WT)
1		UNKNOWN	6:31	710 J
2				
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1A-P

NYTEST ENVIRONMENTAL INC.

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE MATRIX: SOIL
CONC. LEVEL: MED
ANALYSIS DATE: 6/20/91

SAMPLE ID: VBLKG03
LAB ID: G2664
DIL FACTOR: 1.00
% MOISTURE: NA

CMPD #	CAS Number	VOLATILE COMPOUNDS	UG/KG (DRY BASIS)
1	74-87-3	Chloromethane	1250.0 U.
2	74-83-9	Bromomethane	1250.0 U.
3	75-01-4	Vinyl Chloride	1250.0 U.
4	75-00-3	Chloroethane	1250.0 U.
5	75-09-2	Methylene Chloride	925.0 T.
6	67-64-1	2-Propanone	170.0 J.
7	75-15-0	Carbon disulfide	625.0 U.
8	75-35-4	1,1-Dichloroethene	625.0 U.
9	75-34-3	1,1-Dichloroethane	625.0 U.
10	540-59-0	1,2-Dichloroethene (total)	625.0 U.
11	67-66-3	Chloroform	625.0 U.
12	107-06-2	1,2-Dichloroethane	625.0 U.
13	78-93-3	2-Butanone	1250.0 U.
14	71-55-6	1,1,1-Trichloroethane	625.0 U.
15	56-23-5	Carbon Tetrachloride	625.0 U.
16	108-05-4	Vinyl Acetate	1250.0 U.
17	75-27-4	Bromodichloromethane	625.0 U.
18	78-87-5	1,2-Dichloropropane	625.0 U.
19	10061-01-5	cis-1,3-Dichloropropene	625.0 U.
20	79-01-6	Trichloroethene	625.0 U.
21	124-48-1	Dibromochloromethane	625.0 U.
22	79-00-5	1,1,2-Trichloroethane	625.0 U.
23	71-43-2	Benzene	625.0 U.
24	10061-02-6	Trans-1,3-Dichloropropene	625.0 U.
25	75-25-2	Bromoform	625.0 U.
26	108-10-1	4-Methyl-2-Pentanone	1250.0 U.
27	591-78-6	2-Hexanone	1250.0 U.
28	127-18-4	Tetrachloroethene	625.0 U.
29	79-34-5	1,1,2,2-Tetrachloroethane	625.0 U.
30	108-88-3	Toluene	625.0 U.
31	108-90-7	Chlorobenzene	625.0 U.
32	100-41-4	Ethylbenzene	625.0 U.
33	100-42-5	Styrene	625.0 U.
34	1330-20-7	Xylene (total)	625.0 U.
35	107-02-8	Acrolein	12500.0 U.
36	107-13-1	Acrylonitrile	12500.0 U.
37	110-75-8	2-Chloroethylvinylether	1250.0 U.
38		Dichlorodifluoromethane	1250.0 U.
39		Dichlorobenzene (total)	3750.0 U.
40			
41			

1C

NYTEST ENVIRONMENTAL INC.

TENTATIVELY IDENTIFIED ORGANICS COMPOUND

SAMPLE ID: VBLKG03

OF TIC FOUND: 0

LAB ID: G2664

MATRIX: SOIL

FRACTION: VOA

CAS Number	Compound Name	RT	Estimated Concentration UG/KG (DRY WT)
1	NO COMPOUNDS FOUND		
2			
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1B-P

NYTEST ENVIRONMENTAL INC.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE MATRIX:	SOIL	SAMPLE ID:	SBLKA1
CONC. LEVEL:	MED	LAB ID:	A3359
EXTRACTION DATE:	6/18/91	DIL FACTOR:	1.00
ANALYSIS DATE:	6/21/91	% MOISTURE:	NA

CMPD #	CAS Number	BASE NEUTRAL COMPOUNDS	UG/KG (DRY BASIS)	CMPD #	CAS Number	BASE NEUTRAL/PAH COMPOUNDS	UG/KG (DRY BASIS)
1	111-44-4	bis(2-Chloroethyl)ether	19800.0 U.	42	91-20-3	Naphthalene	19800.0 U.
2	541-73-1	1,3-Dichlorobenzene	19800.0 U.	43	208-96-8	Acenaphthylene	19800.0 U.
3	106-46-7	1,4-Dichlorobenzene	19800.0 U.	44	83-32-9	Acenaphthene	19800.0 U.
4	95-50-1	1,2-Dichlorobenzene	19800.0 U.	45	86-73-7	Fluorene	19800.0 U.
5	39638-32-9	bis(2-chloroisopropyl)ether	19800.0 U.	46	85-01-8	Phenanthrene	19800.0 U.
6	621-64-7	N-Nitroso-Di-n-Propylamine	19800.0 U.	47	120-12-7	Anthracene	19800.0 U.
7	67-72-1	Hexachloroethane	19800.0 U.	48	206-44-0	Fluoranthene	19800.0 U.
8	98-95-3	Nitrobenzene	19800.0 U.	49	129-00-0	Pyrene	19800.0 U.
9	78-59-1	Isophorone	19800.0 U.	50	56-55-3	Benzo(a)Anthracene	19800.0 U.
10	111-91-1	bis(2-chloroethoxy)Methane	19800.0 U.	51	218-01-9	Chrysene	19800.0 U.
11	120-82-1	1,2,4-Trichlorobenzene	19800.0 U.	52	205-99-2	Benzo(b)Fluoranthene	19800.0 U.
12	106-47-8	4-Chloroaniline	19800.0 U.	53	207-08-9	Benzo(k)Fluoranthene	19800.0 U.
13	87-68-3	Hexachlorobutadiene	19800.0 U.	54	50-32-8	Benzo(a)Pyrene	19800.0 U.
14	91-57-6	2-Methylnaphthalene	19800.0 U.	55	193-39-5	Indeno(1,2,3-cd)Pyrene	19800.0 U.
15	77-47-4	Hexachlorocyclopentadiene	19800.0 U.	56	53-70-3	Dibenz(a,h)Anthracene	19800.0 U.
16	91-58-7	2-Chloronaphthalene	19800.0 U.	57	191-24-2	Benzo(g,h,i)Perylene	19800.0 U.
17	88-74-4	2-Nitroaniline	99000.0 U.	58			
18	131-11-3	Dimethyl Phthalate	19800.0 U.	59			
19	99-09-2	3-Nitroaniline	99000.0 U.	60			
20	132-64-9	Dibenzofuran	19800.0 U.			ACID COMPOUNDS	
21	121-14-2	2,4-Dinitrotoluene	19800.0 U.				
22	606-20-2	2,6-Dinitrotoluene	19800.0 U.	61	108-95-2	Phenol	19800.0 U.
23	84-66-2	Diethylphthalate	19800.0 U.	62	95-57-8	2-Chlorophenol	19800.0 U.
24	7005-72-3	4-Chlorophenyl-phenylether	19800.0 U.	63	100-51-6	Benzyl Alcohol	19800.0 U.
25	100-01-6	4-Nitroaniline	99000.0 U.	64	95-48-7	2-Methylphenol	19800.0 U.
26	86-30-6	N-Nitrosodiphenylamine	19800.0 U.	65	106-44-5	4-Methylphenol	19800.0 U.
27	101-55-3	4-Bromophenyl-phenylether	19800.0 U.	66	88-75-5	2-Nitrophenol	19800.0 U.
28	118-74-1	Hexachlorobenzene	19800.0 U.	67	105-67-9	2,4-Dimethylphenol	19800.0 U.
29	84-74-2	Di-n-Butylphthalate	19800.0 U.	68	65-85-0	Benzoic Acid	99000.0 U.
30	85-68-7	Butylbenzylphthalate	19800.0 U.	69	120-83-2	2,4-Dichlorophenol	19800.0 U.
31	91-94-1	3,3'-Dichlorobenzidine	39600.0 U.	70	59-50-7	4-Chloro-3-Methylphenol	19800.0 U.
32	117-81-7	bis(2-Ethylhexyl)Phthalate	19800.0 U.	71	88-6-2	2,4,6-Trichlorophenol	19800.0 U.
33	11784-0	Di-n-Octyl Phthalate	19800.0 U.	72	95-95-4	2,4,5-Trichlorophenol	99000.0 U.
34	62-75-9	N-Nitrosodimethylamine	19800.0 U.	73	51-28-5	2,4-Dinitrophenol	99000.0 U.
35	62-53-3	Aniline	19800.0 U.	74	100-02-7	4-Nitrophenol	99000.0 U.
36	92-87-5	Benzidine	158400.0 U.	75	534-52-1	4,6-Dinitro-2-Methylphenol	99000.0 U.
37		Dioxin (Screen)	ND	76	87-86-5	Pentachlorophenol	99000.0 U.
38				77			
39				78			
40				79			
41				80			

1C

NYTEST ENVIRONMENTAL INC.

TENTATIVELY IDENTIFIED ORGANICS COMPOUND

SAMPLE ID: SBLKA1

OF TIC FOUND: 0

LAB ID: A3359

MATRIX: SOIL

FRACTION: BNA

CAS Number	Compound Name	RT	Estimated Concentration UG/KG (DRY@WT)
1	NO COMPOUNDS FOUND		
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1 D-T

NYTEST ENVIRONMENTAL INC.

TCL PESTICIDE/PCB ORGANICS ANALYSIS DATA SHEET

SAMPLE MATRIX:	SOIL	SAMPLE ID:	PBLK2
CONC. LEVEL:	MED	LAB SAMPLE ID:	PBLK2
EXTRACTION DATE:	6/18/91	DIL FACTOR:	1.00
ANALYSIS DATE:	6/26/91	% MOISTURE:	NA

CMPD #	CAS Number	PESTICIDE/PCB COMPOUND	UG/KG (DRY BASIS)
1	319-84-6	Alpha-BHC	120.000 U.
2	319-85-7	Beta-BHC	120.000 U.
3	319-86-8	Delta-BHC	120.000 U.
4	58-89-9	Gamma-BHC(Lindane)	120.000 U.
5	76-44-8	Heptachlor	120.000 U.
6	309-00-2	Aldrin	120.000 U.
7	1024-57-3	Heptachlor Epoxide	120.000 U.
8	959-98-8	Endosulfan I	120.000 U.
9	60-57-1	Dieldrin	240.000 U.
10	72-55-9	4,4'-DDE	240.000 U.
11	70-20-8	Endrin	240.000 U.
12	33213-65-9	Endosulfan II	240.000 U.
13	72-54-8	4,4-DDD	240.000 U.
14	1031-07-8	Endosulfan Sulfate	240.000 U.
15	50-29-3	4,4'-DDT	240.000 U.
16	53494-70-5	Endrin Ketone	240.000 U.
17	72-43-5	Methoxychlor	1200.000 U.
18	57-74-9	Chlordane	1200.000 U.
19	8001-35-2	Toxaphene	2400.000 U.
20	12674-11-2	Aroclor-1016	1200.000 U.
21	11104-28-2	Aroclor-1221	1200.000 U.
22	11141-16-5	Aroclor-1232	1200.000 U.
23	53469-21-9	Aroclor-1242	1200.000 U.
24	12672-29-6	Aroclor-1248	1200.000 U.
25	11097-69-1	Aroclor-1254	2400.000 U.
26	11096-82-5	Aroclor-1260	2400.000 U.

nytest environmental inc.

Sample Identification and Results

Log In No: 8644

Sample No: Method Blank
Lab Sample ID No: Blank

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

TCL Metals	Found
Aluminum	<5.0
Antimony	<5.0
Arsenic	<2.0
Barium	<10.0
Beryllium	<1.0
Cadmium	<1.0
Calcium	<50.0
Chromium	<5.0
Cobalt	<5.0
Copper	<5.0
Iron	<5.0
Lead	<5.0
Magnesium	<5.0
Manganese	<5.0
Mercury	<0.1
Nickel	<5.0
Potassium	<5.0
Selenium	<1.0
Silver	<5.0
Sodium	<5.0
Thallium	<5.0
Vanadium	<1.0
Zinc	<5.0

TCLP Results 2-J Sample ID: TBLK
Lab ID: TBLK

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
D018	Benzene	0.50	0.05	ND
D006	Cadmium	1.0	0.1	ND
D019	Carbon tetrachloride	0.50	0.05	ND
D020	Chlordane	0.03	0.003	ND
D021	Chlorobenzene	100.0	10	ND
D022	Chloroform	6.0	0.6	ND
D007	Chromium	5.0	0.5	ND
D023	o-Cresol	200	20	ND
D024	m-Cresol	200	20	ND
D025	p-Cresol	200	20	ND
D026	Cresol	200	20	ND
D016	2,4-D	10.0	1	ND
D027	1,4-Dichlorobenzene	7.5	0.75	ND
D028	1,2-Dichloroethane	0.5	0.05	ND
D029	1,1-Dichloroethylene	0.7	0.07	ND
D030	2,4-Dinitrotoluene	0.13	0.013	ND
D012	Endrin	0.02	0.002	ND
D031	Heptachlor(and its hydroxide)	0.008	0.004	ND
D032	Hexachlorobenzene	0.13	0.013	ND
D033	Hexachloro-1,3-butadiene	0.5	0.05	ND
D034	Hexachloroethane	3.0	0.3	ND
D008	Lead	5.0	0.5	ND
D013	Lindane	0.4	0.04	ND
D009	Mercury	0.2	0.02	ND
D014	Methoxychlor	10.0	1	ND
D035	Methyl ethyl ketone	200.0	20	ND
D036	Nitrobenzene	2.0	0.2	ND
D037	Pentachlorophenol	100.0	10	ND
D038	Pyridine	5.0	0.5	ND
D010	Selenium	1.0	0.1	ND
D011	Silver	5.0	0.5	ND
D039	Tetrachloroethylene	0.7	0.07	ND
D015	Toxaphene	0.5	0.05	ND
D040	Trichloroethylene	0.5	0.05	ND
D041	2,4,5-Trichlorophenol	400.0	40	ND
D042	2,4,6-Trichlorophenol	2.0	0.2	ND
D017	2,4,5-TP (Silvex)	1.0	0.1	ND
D043	Vinyl chloride	0.20	0.02	ND
--				
--				
--				

ND = None Detected

2 A

NYTEST ENVIRONMENTAL INC.

VOLATILE SURROGATE RECOVERY

LOG IN #: 8644 PAGE #: 1

MATRIX: SOIL

|<<<<<<<<<<<<< VOLATILE >>>>>>>>>>>|

	SAMPLE #	1,2-DICHLORO ETHANE-D4	TOLUENE -D8	BFB	VOAS OUT
01	VBLKG09	107 OK	98 OK	102 OK	0
02	674-D05	104 OK	102 OK	95 OK	0
03	674-D06	135 *	111 OK	113 OK	1
04	674-D07	136 *	112 OK	118 OK	1
05	674-D08	145 *	49 *	99 OK	2
06	674-D09	150 *	111 OK	124 OK	1
07	VBLKG03	103 OK	99 OK	99 OK	0
08	674-D04	100 OK	101 OK	99 OK	0
09	674-D10	D	D	D	0
10	674-D11	D	D	D	0
11	674-D01	D	D	D	0
12	674-D02	D	D	D	0
13	674-D07	D	D	D	0
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					

D = Diluted Out

	LIMITS
1,2-DICHLOROETHANE-D4	53 -131
TOLUENE- D8	75 -123
BFB	69 -127

* SURROGATES OUTSIDE QC LIMITS

2 B

NYTEST ENVIRONMENTAL INC.

SEMIVOLATILE SURROGATE RECOVERY

LOG IN #: 8644 PAGE #: 1

MATRIX: SOIL

		<<<<<<<<<<<<<< BASE NEUTRAL >>>>>>>>>>>			<<<<<<<<<<< ACID >>>>>>>>>>>>>>				
	SAMPLE #	NITRO-BENZENE-D5	FLUORO-BIPHENYL	TERPHENYL -D14	2-FLUORO-PHENOL	PHENOL -D5	2,4,6-TRI BROMOPHENOL	BN'S OUT	ACIDS OUT
01	SBLKA1	55 OK	62 OK	63 OK	53 OK	58 OK	50 OK	0	0
02	674-D01	100 OK	126 *	137 OK	107 *	117 *	78 OK	1	2
03	674-D02	90 OK	120 OK	140 OK	77 OK	97 OK	74 OK	0	0
04	674-D03	89 OK	131 *	130 OK	D	D	D	1	0
05	674-D04	74 OK	125 OK	113 OK	49 OK	55 OK	53 OK	0	0
06	674-D05	64 OK	88 OK	135 OK	75 OK	79 OK	44 OK	0	0
07	674-D06	133 OK	128 *	178 *	105 *	119 *	58 OK	2	2
08	674-D07	108 OK	133 *	164 *	102 *	116 *	53 OK	2	2
09	674-D08	72 OK	101 OK	100 OK	81 OK	138 *	142 OK	0	1
10	674-D09	83 OK	115 OK	122 OK	100 OK	105 OK	71 OK	0	0
11	674-D10	65 OK	78 OK	132 OK	38 OK	62 OK	36 OK	0	0
12	674-D11	149 OK	69 OK	92 OK	52 OK	81 OK	19 OK	0	0
13									
14									
15									
16									
17									
18									
19									
20									
21									
22									
23									
24									
25									
26									
27									
28									
29									
30									

D = Diluted Out

	LIMITS
NITROBENZENE-D5	5 - 185
FLUOROBIPHENYL	10 - 125
TERPHENYL-D14	10 - 145
2-FLUOROPHENOL	10 - 100
PHENOL	20 - 105
2,4,6-TRIBROMOPHENOL	5 - 225

* SURROGATES OUTSIDE QC LIMITS

2 D

NYTEST ENVIRONMENTAL INC.

PESTICIDE SURROGATE RECOVERY

LOG IN #: 8644 PAGE #: 1

MATRIX: SOIL

	SAMPLE #	<<<PESTICIDE>>> DBC	PEST OUT
01	PBLK2	110 OK	0
02	674-D01	98 OK	0
03	674-D02	102 OK	0
04	674-D03	110 OK	0
05	674-D04	110 OK	0
06	674-D05	111 OK	0
07	674-D06	114 OK	0
08	674-D07	87 OK	0
09	674-D08	141 OK	0
10	674-D09	83 OK	0
11	674-D10	183 OK	0
12	674-D11	13 OK	0
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

2 A

NYTEST ENVIRONMENTAL INC.

VOLATILE SURROGATE RECOVERY

LOG IN #: 8644 PAGE #: 1

MATRIX: WATER (TCLP)

|<<<<<<<<<<<<< VOLATILE >>>>>>>>>>>|

	SAMPLE #	1,2-DICHLORO ETHANE-D4	TOLUENE -D8	BFB	VOAS OUT
01	TBLK	99 OK	99 OK	95 OK	0
02	674-D01	97 OK	107 OK	102 OK	0
03	674-D02	94 OK	106 OK	120 OK	0
04	674-D03	126 OK	107 OK	109 OK	0
05	674-D04	114 OK	86 OK	123 OK	0
06	674-D05	130 OK	106 OK	112 OK	0
07	674-D09	111 OK	99 OK	143 *	1
08	674-D06	126 OK	100 OK	122 OK	0
09	674-D10	124 OK	92 OK	132 *	1
10	674-D11	108 OK	102 OK	108 OK	0
11	674-D07	108 OK	101 OK	103 OK	0
12	674-D08	133 OK	112 OK	101 OK	0
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					

	LIMITS
1,2-DICHLOROETHANE-D4	55 -135
TOLUENE- D8	70 -125
BFB	70 -130

* SURROGATES OUTSIDE QC LIMITS

2 B

NYTEST ENVIRONMENTAL INC.

SEMIVOLATILE SURROGATE RECOVERY

LOG IN #: 8644 PAGE #: 1

MATRIX: WATER (TCLP)

		<<<<<<<<<<<<<< BASE NEUTRAL >>>>>>>>>>>			<<<<<<<<<<< ACID >>>>>>>>>>>>>>				
	SAMPLE #	NITRO-BENZENE-D5	FLUORO-BIPHENYL	TERPHENYL -D14	2-FLUORO-PHENOL	PHENOL -D5	2,4,6-TRI BROMOPHENOL	BN'S OUT	ACIDS OUT
01	TBLK	29 OK	30 OK	NA	27 OK	18 *	29 OK	0	1
02	674-D01	22 OK	27 OK	NA	32 OK	22 OK	31 OK	0	0
03	674-D02	27 OK	29 OK	NA	0 *	0 *	0 *	0	3
04	674-D03	22 OK	29 OK	NA	29 OK	21 OK	34 OK	0	0
05	674-D04	32 OK	32 OK	NA	23 OK	17 *	44 OK	0	1
06	674-D05	41 OK	40 OK	NA	34 OK	28 OK	37 OK	0	0
07	674-D06	26 OK	29 OK	NA	30 OK	20 OK	42 OK	0	0
08	674-D07	24 OK	20 OK	NA	25 OK	17 *	10 OK	0	1
09	674-D08	0 *	43 OK	NA	0 *	0 *	57 OK	1	2
10	674-D09	35 OK	43 OK	NA	28 OK	18 *	38 OK	0	1
11	674-D10	82 OK	44 OK	NA	32 OK	16 *	49 OK	0	1
12	674-D11	38 OK	40 OK	NA	27 OK	16 *	35 OK	0	1
13									
14									
15									
16									
17									
18									
19									
20									
21									
22									
23									
24									
25									
26									
27									
28									
29									
30									

	LIMITS
NITROBENZENE-D5	5 - 185
FLUOROBIPHENYL	10 - 125
TERPHENYL-D14	10 - 145
2-FLUOROPHENOL	10 - 100
PHENOL	20 - 105
2,4,6-TRIBROMOPHENOL	5 - 225

* SURROGATES OUTSIDE QC LIMITS

2 D

NYTEST ENVIRONMENTAL INC.

PESTICIDE SURROGATE RECOVERY

LOG IN #: 8644 PAGE #:

MATRIX: WATER (TCLP)

	SAMPLE #	DBC (<<<PESTICIDE>>>)	PEST OUT
01	TBLK	93 OK	0
02	674-D01	120 OK	0
03	674-D02	21 OK	0
04	674-D03	116 OK	0
05	674-D04	133 OK	0
06	674-D05	230 OK	0
07	674-D06	79 OK	0
08	674-D07	22 OK	0
09	674-D08	13 OK	0
10	674-D09	95 OK	0
11	674-D10	81 OK	0
12	674-D11	114 OK	0
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

3 A

NYTEST ENVIRONMENTAL INC.

VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

LOGIN #: 8644 MATRIX: SOIL PAGE: 1

FRACTION	COMPOUND	CONC. SPIKE ADDED (ug)	SAMPLE RESULT	CONC. MS	% RECOVERY	CONC. MSD	% RECOVERY	RPD	QC LIMITS RPD	QC LIMITS RECOVERY
	1,1-DICHLOROETHENE	50	0.00	32.36	64.73 OK	35.24	70.48 OK	8.51 OK	16	15 -160
SAMPLE #	TRICHLOROETHENE	50	0.00	40.24	80.47 OK	39.35	78.69 OK	2.24 OK	40	50 -115
A1	BENZENE	50	0.00	44.00	88.00 OK	43.36	86.72 OK	1.46 OK	18	60 -125
NYTEST #	TOLUENE	50	0.10	43.20	86.19 OK	41.88	83.56 OK	3.11 OK	17	25 -175
8663001	CHLOROBENZENE	50	0.00	42.76	85.52 OK	41.55	83.11 OK	2.86 OK	15	45 -135

OF % MS/MSD 0 OF 10

VOA OUT: ___

OF RPD 0 OF 5

VOA OUT: ___

3 B

NYTEST ENVIRONMENTAL INC.

SEMI-VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

LOGIN #: 8644 MATRIX: SOIL PAGE: 1

FRACTION	COMPOUND	CONC. SPIKE ADDED (ug)	SAMPLE RESULT	CONC. MS	% RECOVERY	CONC. MSD	% RECOVERY	RPD	QC LIMITS * RPD	QC LIMITS * RECOVERY
	1,4-DICHLOROBENZENE	4	0.00	3.26	81.48 OK	3.27	81.68 OK	0.25 OK	22	10 -145
SAMPLE #	N-NITROSO-DI-NPROPYLAMINE	4	0.00	3.49	87.13 OK	3.27	81.75 OK	6.37 OK	16	10 -135
BR-190	1,2,4-TRICHLOROBENZENE	4	0.00	3.26	81.55 OK	3.36	84.00 OK	2.96 OK	21	10 -155
NYTEST #	ACENAPHTHENE	4	0.00	4.15	103.70 OK	4.57	114.30 OK	9.72 OK	32	10 -180
8122001	2,4-DINITROTOLUENE	4	0.00	2.14	53.48 OK	2.36	58.90 OK	9.66 OK	37	25 -125
	PYRENE	4	0.80	4.17	84.43 OK	3.98	79.68 OK	5.79 OK	36	10 -225
	PHENOL	8	0.00	6.15	76.89 OK	6.01	75.16 OK	2.27 OK	21	10 -165
SAMPLE #	2-CHLOROPHENOL	8	0.00	6.21	77.64 OK	6.39	79.83 OK	2.78 OK	23	10 -165
BR-190	4-CHLORO-3-METHYLPHENOL	8	0.00	6.74	84.28 OK	6.56	81.94 OK	2.81 OK	24	10 -165
NYTEST #	4-NITROPHENOL	8	0.00	3.60	44.95 OK	11.25	140.66 OK	103.13 *	45	10 -185
8122001	PENTACHLOROPHENOL	8	0.00	5.45	68.10 OK	4.47	55.84 OK	19.79 OK	23	10 -155

OF % MS/MSD 0 OF 12 # OF % MS/MSD 0 OF 10

BN OUT: ___ ACIDS OUT: ___

OF RPD 0 OF 6 # OF RPD 1 OF 5

BN OUT: ___ ACIDS OUT: ___

3 D

NYTEST ENVIRONMENTAL INC.

PESTICIDE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

LOGIN #: 8644 MATRIX: SOIL PAGE: 1

FRACTION	COMPOUND	CONC. SPIKE ADDED (ug)	SAMPLE RESULT	CONC. MS	% RECOVERY	CONC. MSD	% RECOVERY	RPD	QC LIMITS RPD	QC LIMITS RECOVERY
	LINDANE	26.67	0.00	29.70	111.36 OK	16.70	62.62 OK	56.03 *	23	10 -230
SAMPLE #	HEPTACHLOR	26.67	0.00	24.20	90.74 OK	21.30	79.87 OK	12.75 OK	27	10 -245
779-1	ALDRIN	26.67	0.00	62.30	233.60 OK	0.00	0.00 *	200.00 *	25	10 -265
NYTEST #	DIELDRIN	66.67	0.00	0.00	0.00 *	73.60	110.39 OK	200.00 *	28	10 -195
8506001	ENDRIN	66.67	0.00	73.40	110.09 OK	60.80	91.20 OK	18.78 OK	23	10 -185
	4,4- DDT	66.67	0.00	11.70	17.55 OK	124.50	186.74 OK	165.64 *	21	10 -300

OF % MS/MSD 2 OF 12

PEST OUT: ___

OF RPD 4 OF 6

PEST OUT: ___

3 A

NYTEST ENVIRONMENTAL INC.

TCLP VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

LOGIN #: 8644 MATRIX: WATER PAGE: 1

FRACTION	COMPOUND	CONC. SPIKE ADDED (ug)	SAMPLE RESULT	CONC. MS	% RECOVERY	CONC. MSD	% RECOVERY	RPD	QC LIMITS RPD	QC LIMITS RECOVERY
	VINYL CHLORIDE	50	0.00	36.21	72.41 OK	42.33	84.65 OK	15.58 OK	60	40 -150
	1,1-DICHLOROETHENE	50	0.00	36.52	73.03 OK	40.93	81.85 OK	11.39 OK	40	40 -135
	CHLOROFORM	50	0.00	37.54	75.08 OK	41.89	83.77 OK	10.95 OK	40	40 -135
SAMPLE #	1,2-DICHLOROETHANE	50	0.00	37.95	75.89 OK	43.60	87.20 OK	13.87 OK	40	40 -135
6ARP-3A	2-BUTANONE	50	0.00	27.65	55.30 OK	57.71	115.43 OK	70.43 *	40	40 -135
NYTEST #	CARBON TETRACLORIDE	50	0.00	35.10	70.20 OK	43.96	87.91 OK	22.40 OK	40	40 -135
8715007,008	TRICHLOROETHENE	50	0.00	34.60	69.20 OK	38.53	77.06 OK	10.75 OK	40	40 -135
	BENZENE	50	0.00	37.98	75.96 OK	42.94	85.87 OK	12.25 OK	40	40 -135
	TETRACHLOROETHENE	50	0.00	34.75	69.49 OK	39.13	78.26 OK	11.87 OK	40	40 -135
	CHLOROBENZENE	50	0.00	36.78	73.57 OK	41.38	82.76 OK	11.76 OK	60	40 -150

OF % MS/MSD 0 OF 20
VOA OUT: ___

OF RPD 1 OF 10
VOA OUT: ___

3 B

NYTEST ENVIRONMENTAL INC.

TCLP SEMI-VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

LOGIN #: 8644 MATRIX: WATER PAGE: 1

FRACTION	COMPOUND	CONC. SPIKE ADDED (ug)	SAMPLE RESULT	CONC. MS	% RECOVERY	CONC. MSD	% RECOVERY	RPD	QC LIMITS * RPD	QC LIMITS * RECOVERY
	1,4-DICHLOROBENZENE	200	0.00	106.71	53.36 OK	116.64	58.32 OK	8.89 OK	40	20 -150
SAMPLE #	HEXACHLOROETHANE	200	0.00	128.74	64.37 OK	118.19	59.10 OK	8.54 OK	40	20 -150
FERN 1	PYRIDINE	200	0.00	150.25	75.13 OK	141.57	70.79 OK	5.95 OK	40	20 -150
NYTEST #	NITROBENZENE	200	0.00	156.77	78.39 OK	147.37	73.69 OK	6.18 OK	40	20 -150
8331001	HEXACHLOROBUTADIENE	200	0.00	144.24	72.12 OK	134.60	67.30 OK	6.91 OK	40	20 -150
	2,4-DINITROTOLUENE	200	0.00	208.72	104.36 OK	207.35	103.68 OK	0.66 OK	40	20 -150
	HEXACLOROBENZENE	200	0.00	161.09	80.55 OK	167.88	83.94 OK	4.13 OK	40	20 -150
	2-METHYLPHENOL	200	0.00	145.86	72.93 OK	124.97	62.49 OK	15.43 OK	40	20 -150
SAMPLE #	3-METHYLPHENOL	200	0.00	136.38	68.19 OK	122.11	61.06 OK	11.04 OK	40	20 -150
FERN 1	4-METHYLPHENOL	200	0.00	136.38	68.19 OK	122.11	61.06 OK	11.04 OK	40	20 -150
NYTEST #	2,4,6-TRICHLOROPHENOL	200	0.00	165.35	82.68 OK	154.96	77.48 OK	6.49 OK	40	20 -150
8331001	2,4,5-TRICHLOROPHENOL	200	0.00	146.36	73.18 OK	149.04	74.52 OK	1.81 OK	40	20 -150
	PENTACHLOROPHENOL	200	0.00	167.48	83.74 OK	178.58	89.29 OK	6.42 OK	40	20 -150

NA = QC LIMITS ARE NOT APPLICABLE TO THESE COMPOUNDS.

OF % MS/MSD BN OUT: 0 OF 14

OF % MS/MSD ACIDS OUT: 0 OF 12

OF RPD BN OUT: 0 OF 7

OF RPD ACIDS OUT: 0 OF 6

3 D

NYTEST ENVIRONMENTAL INC.

PESTICIDE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

LOGIN #: 8644 MATRIX: WATER (TCLP) PAGE: 1

FRACTION	COMPOUND	CONC. SPIKE ADDED (ug)	SAMPLE RESULT	CONC. MS	% RECOVERY	CONC. MSD	% RECOVERY	RPD	QC LIMITS RPD	QC LIMITS RECOVERY
	LINDANE	0.4	0.00	0.26	65.00 OK	0.29	72.75 OK	11.25 OK	18	10 -265
SAMPLE #	HEPTACHLOR	0.4	0.00	0.36	90.75 OK	0.37	92.25 OK	1.64 OK	22	10 -230
001	ALDRIN	0.4	0.00	0.39	97.25 OK	0.39	98.00 OK	0.77 OK	23	10 -240
NYTEST #	DIELDRIN	1	0.00	0.91	91.40 OK	0.89	88.60 OK	3.11 OK	14	10 -235
8181001	ENDRIN	1	0.00	1.40	140.00 OK	1.37	137.00 OK	2.17 OK	16	10 -250
	4,4- DDT	1	0.00	0.46	46.20 OK	0.44	44.00 OK	4.88 OK	23	10 -300

OF % MS/MSD 0 OF 12

PEST OUT:

OF RPD 0 OF 6

PEST OUT:

GC/MS TUNING AND MASS CALIBRATION
BROMOFLUOROBENZENE (BFB)

Contractor:NYTEST ENVIRONMENTAL INC.
Instrument ID: G Date: 6/12/91 Time: 7:46:00
Lab ID: G2583 Data Release Authorized By:

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of the base peak	22.78
75	30.0 - 60.0% of the base peak	39.51
95	Base peak, 100% relative abundance	100.00
96	5.0 - 9.0% of the base peak	7.06
173	Less than 2.0% of mass 174	0.00 (0.00)*
174	Greater than 50.0% of the base peak	71.27
175	5.0 - 9.0% of mass 174	5.57 (7.82)*
176	Greater than 95.0%, but less than 101.0% of mass 174	68.57 (96.22)*
177	5.0 - 9.0% of mass 176	4.81 (7.02)**

* Value in parenthesis is % mass 174..
** Value in parenthesis is % mass 176.

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

SAMPLE ID	LAB ID	DATE OF ANALYSIS	TIME OF ANALYSIS
PERFORMANCE STANDARD	G2583	6/12/91	07:46
VSTD050	G2586	6/12/91	10:35
VSTD020	G2587	6/12/91	11:32
VSTD100	G2588	6/12/91	12:31
VSTD150	G2589	6/12/91	13:23
VSTD200	G2590	6/12/91	14:13

GC/MS TUNING AND MASS CALIBRATION
BROMOFLUOROBENZENE (BFB)

Contractor:NYTEST ENVIRONMENTAL INC.
Instrument ID: G Date: 6/19/91 Time: 7:35:00
Lab ID: G2644 Data Release Authorized By:

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of the base peak	24.32
75	30.0 - 60.0% of the base peak	42.39
95	Base peak, 100% relative abundance	100.00
96	5.0 - 9.0% of the base peak	6.92
173	Less than 2.0% of mass 174	0.00 (0.00)*
174	Greater than 50.0% of the base peak	73.60
175	5.0 - 9.0% of mass 174	5.01 (6.80)*
176	Greater than 95.0%, but less than 101.0% of mass 174	70.74 (96.11)*
177	5.0 - 9.0% of mass 176	4.39 (6.21)**

* Value in parenthesis is % mass 174.
** Value in parenthesis is % mass 176.

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

SAMPLE ID	LAB ID	DATE OF ANALYSIS	TIME OF ANALYSIS
PERFORMANCE STANDARD	G2644	6/19/91	07:35
VSTD050	G2645	6/19/91	08:11
VBLKG09	G2646	6/19/91	10:07
674-D05	8644005	6/19/91	15:38
674-D06	8644006	6/19/91	16:36
674-D07	8644007	6/19/91	17:29
674-D08	8644008	6/19/91	18:11
674-D09	8644009	6/19/91	18:53

GC/MS TUNING AND MASS CALIBRATION
BROMOFLUOROBENZENE (BFB)

Contractor:NYTEST ENVIRONMENTAL INC.
Instrument ID: G Date: 6/20/91 Time: 12:38:00
Lab ID: G2662 Data Release Authorized By: JK

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of the base peak	22.76
75	30.0 - 60.0% of the base peak	40.42
95	Base peak, 100% relative abundance	100.00
96	5.0 - 9.0% of the base peak	7.41
173	Less than 2.0% of mass 174	0.00 (0.00)*
174	Greater than 50.0% of the base peak	86.24
175	5.0 - 9.0% of mass 174	6.83 (7.92)*
176	Greater than 95.0%, but less than 101.0% of mass 174	84.23 (7.92)*
177	5.0 - 9.0% of mass 176	6.16 (7.32)**

* Value in parenthesis is % mass 174.
** Value in parenthesis is % mass 176.

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

SAMPLE ID	LAB ID	DATE OF ANALYSIS	TIME OF ANALYSIS
PERFORMANCE STANDARD	G2662	6/20/91	12:38
VSTD050	G2663	6/20/91	13:20
VBLKG03	G2664	6/20/91	14:43
674-D04	8644004	6/20/91	15:41
674-D10	8644010	6/20/91	18:35
674-D11	8644011	6/20/91	19:18
674-D01	8644001	6/20/91	20:00
674-D02	8644002	6/20/91	20:42
674-D03	8644003	6/20/91	21:24

GC/MS TUNING AND MASS CALIBRATION
BROMOFLUOROBENZENE (BFB)

Contractor:NYTEST ENVIRONMENTAL INC.
Instrument ID: G Date: 6/25/91 Time: 8:51:00
Lab ID: G2697 Data Release Authorized By: pcy

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of the base peak	28.86
75	30.0 - 60.0% of the base peak	49.74
95	Base peak, 100% relative abundance	100.00
96	5.0 - 9.0% of the base peak	8.79
173	Less than 2.0% of mass 174	0.54 (0.68)*
174	Greater than 50.0% of the base peak	78.89
175	5.0 - 9.0% of mass 174	6.51 (8.25)*
176	Greater than 95.0%, but less than 101.0% of mass 174	75.46 (95.65)*
177	5.0 - 9.0% of mass 176	5.41 (7.17)**

* Value in parenthesis is % mass 174.
** Value in parenthesis is % mass 176.

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

SAMPLE ID	LAB ID	DATE OF ANALYSIS	TIME OF ANALYSIS
PERFORMANCE STANDARD	G2697	6/25/91	08:51
VSTD050	G2698	6/25/91	09:24
TBLK	G2699	6/25/91	10:37
674-D01	8644001	6/25/91	11:21
674-D02	8644002	6/25/91	12:12
674-D03	8644003	6/25/91	13:06
674-D04	8644004	6/25/91	13:59
674-D05	8644005	6/25/91	15:02
674-D09	8644009	6/25/91	15:43
674-D06	8644006	6/25/91	16:31
674-D10	8644010	6/25/91	17:18
674-D11	8644011	6/25/91	17:59
674-D07	8644007	6/25/91	18:41
674-D08	8644008	6/25/91	19:22

GC/MS TUNING AND MASS CALIBRATION
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Contractor:NYTEST ENVIRONMENTAL INC.
Instrument ID: A Date: 6/06/91 Time: 0:16:00
Lab ID: A3168 Data Release Authorized By:

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 60.0% of mass 198	59.0
68	Less than 2.0% of mass 69	0.0 (0.0)*
69	Mass 69 relative abundance	70.
70	Less than 2.0% of mass 69	0.3 (0.5)*
127	40.0 - 60.0% of mass 198	44.4
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	21.1
365	Greater than 1.00% of mass 198	1.84
441	Present, but less than mass 443	10.4
442	Greater than 40.0% of mass 198	71.3
443	17.0 - 23.0% of mass 442	13.8 (19.3)**

* 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	A3168	6/06/91	0:16
SSTD050	A3169	6/06/91	0:34
SSTD020	A3170	6/06/91	1:20
SSTD080	A3171	6/06/91	2:06
SSTD120	A3172	6/06/91	2:52
SSTD160	A3173	6/06/91	8:30

GC/MS TUNING AND MASS CALIBRATION
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Contractor:NYTEST ENVIRONMENTAL INC.
Instrument ID: A Date: 6/13/91 Time: 8:39:00
Lab ID: A3273 Data Release Authorized By: [illegible]

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 60.0% of mass 198	58.1
68	Less than 2.0% of mass 69	0.0 (0.0)*
69	Mass 69 relative abundance	73.
70	Less than 2.0% of mass 69	0.3 (0.5)*
127	40.0 - 60.0% of mass 198	50.4
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	6.6
275	10.0 - 30.0% of mass 198	20.6
365	Greater than 1.00% of mass 198	1.94
441	Present, but less than mass 443	8.6
442	Greater than 40.0% of mass 198	62.3
443	17.0 - 23.0% of mass 442	11.2 (18.0)**

* 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	A3273	6/13/91	8:39
SSTD050	A3274	6/13/91	8:56
SSTD020	A3275	6/13/91	10:43
SSTD080	A3276	6/13/91	11:36
SSTD120	A3277	6/13/91	12:29
SSTD160	A3283	6/13/91	18:22

GC/MS TUNING AND MASS CALIBRATION
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Contractor:NYTEST ENVIRONMENTAL INC.
Instrument ID: A Date: 6/20/91 Time: 9:53:00
Lab ID: A3342 Data Release Authorized By: DCG

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 60.0% of mass 198	58.3
68	Less than 2.0% of mass 69	0.0 (0.0)*
69	Mass 69 relative abundance	71.
70	Less than 2.0% of mass 69	0.0 (0.0)*
127	40.0 - 60.0% of mass 198	46.5
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	6.3
275	10.0 - 30.0% of mass 198	20.5
365	Greater than 1.00% of mass 198	1.71
441	Present, but less than mass 443	7.4
442	Greater than 40.0% of mass 198	54.3
443	17.0 - 23.0% of mass 442	11.0 (20.2)**

* 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	A3342	6/20/91	9:53
SSTD050	A3343	6/20/91	10:10
674-D07	8644007	6/20/91	17:21
674-D06	8644006	6/20/91	18:14
674-D10	8644010	6/20/91	19:07
674-D11	8644011	6/20/91	20:01
674-D08	8644008	6/20/91	20:53

GC/MS TUNING AND MASS CALIBRATION
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Contractor:NYTEST ENVIRONMENTAL INC.
Instrument ID: A Date: 6/21/91 Time: 7:41:00
Lab ID: A3356 Data Release Authorized By: DLS

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 60.0% of mass 198	59.8
68	Less than 2.0% of mass 69	0.0 (0.0)*
69	Mass 69 relative abundance	73.
70	Less than 2.0% of mass 69	0.0 (0.0)*
127	40.0 - 60.0% of mass 198	47.6
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	5.9
275	10.0 - 30.0% of mass 198	19.3
365	Greater than 1.00% of mass 198	1.63
441	Present, but less than mass 443	7.4
442	Greater than 40.0% of mass 198	49.8
443	17.0 - 23.0% of mass 442	9.1 (18.2)**

* 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	A3356	6/21/91	7:41
SSTD050	A3357	6/21/91	7:58
SBLKA1	A3359	6/21/91	9:59
674-D01	8644001	6/21/91	11:06
674-D02	8644002	6/21/91	11:59
674-D03	8644003	6/21/91	12:57
674-D04	8644004	6/21/91	13:49
674-D05	8644005	6/21/91	14:41
674-D09	8644009	6/21/91	15:34

GC/MS TUNING AND MASS CALIBRATION
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Contractor:NYTEST ENVIRONMENTAL INC.
Instrument ID: A Date: 6/21/91 Time: 19:19
Lab ID: A3370 Data Release Authorized By:

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 60.0% of mass 198	55.3
68	Less than 2.0% of mass 69	0.0 (0.0)*
69	Mass 69 relative abundance	67.
70	Less than 2.0% of mass 69	0.0 (0.0)*
127	40.0 - 60.0% of mass 198	45.1
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	6.9
275	10.0 - 30.0% of mass 198	20.1
365	Greater than 1.00% of mass 198	1.76
441	Present, but less than mass 443	8.2
442	Greater than 40.0% of mass 198	59.0
443	17.0 - 23.0% of mass 442	10.7 (18.1)**

* 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	A3370	6/21/91	19:19
SSTD050	A3391	6/21/91	19:38
TBLK1	A3372	6/21/91	20:24
674-D01	8644001	6/21/91	20:11
674-D02	8644002	6/21/91	21:57
674-D03	8644003	6/21/91	22:43
674-D04	8644004	6/21/91	23:29
674-D05	8644005	6/22/91	00:15
674-D06	8644006	6/22/91	01:01
674-D07	8644007	6/22/91	01:47
674-D08	8644008	6/22/91	02:33
674-D09	8644009	6/22/91	03:19
674-D10	8644010	6/22/91	04:05
674-D11	8644011	6/22/91	04:51