

PROJECT ADMINISTRATION DATA SHEET

ORIGINAL REVISION NO. _____

Project No. E-20-658 GTRI/GIT XXX DATE 8 30 / 84

Project Director: Dr. Maurizio Giabai School/dep. CE

Sponsor: Lockwood Greene Engineers, Inc.

Type Agreement: Standard Research Project Agreement No. E-20-658 dated 8/14/84

Award Period: From 8/13/84 To 8/12/85 (Performance) 8/12/85 (Reports)

Sponsor Amount:	This Change	Total to Date
Estimated: \$	<u>22,740</u>	\$ <u>22,740</u>
Funded: \$	<u>22,740</u>	\$ <u>22,740</u>

Cost Sharing Amount: \$ n/a Cost Sharing No: n/a

Title: "Analyses of Priority Pollutants in Industrial Waste Water"

ADMINISTRATIVE DATA

OCA Contact Lynn Boyd X4820

1) Sponsor Technical Contact: Mr. David Russell 2) Sponsor Admin/Contractual Matters:

Lockwood Greene Engineers, Inc.
1330 W. Peachtree Street, N.W.
Atlanta, GA 30367
(404)873-3261

Defense Priority Rating: n/a Military Security Classification: n/a

(or) Company/Industrial Proprietary ~~non-disclosure agreement~~

RESTRICTIONS

See Attached n/a Supplemental Information Sheet for Additional Requirements.

Travel: Foreign travel must have prior approval - Contact OCA in each case. Domestic travel requires sponsor approval where total will exceed greater of \$500 or 125% of approved proposal budget category.

Equipment: Title vests with Sponsor

COMMENTS:



COPIES TO:

- Project Director
- Research Administrative Network
- Research Property Management
- Accounting
- Procurement/EES Supply Services
- Research Security Services
- Reports Coordinator (OCA)
- Research Communications (2)
- GTRI
- Library
- Project File
- Other I. Newton

SPONSORED PROJECT TERMINATION/CLOSEOUT SHEET

589605

Date April 14, 1986

Project No. E-20-658 (R5813-OA0)

School/~~EEX~~ CE

Includes Subproject No.(s) N/A

Project Director(s) M. F. Giabba GTRC / ~~EEX~~

Sponsor Lockwood Greene

Title Analysis of Priority Pollutants in Industrial Waste Water

Effective Completion Date: 8/12/85 (Performance) 8/12/85 (Reports)

Grant/Contract Closeout Actions Remaining:

- None
- Final Invoice or Final Fiscal Report
- Closing Documents
- Final Report of Inventions
- Govt. Property Inventory & Related Certificate
- Classified Material Certificate
- Other _____

Continues Project No. _____ Continued by Project No. _____

COPIES TO:

- Project Director
- Research Administrative Network
- Research Property Management
- Accounting
- Procurement/EES Supply Services
- Research Security Services
- Reports Coordinator (OCA)
- Legal Services

- Library
- GTRC
- Research Communications (2)
- Project File
- Other Heyser
- Jones
- Embry

E-20-658

ANALYSIS OF PRIORITY POLLUTANTS IN INDUSTRIAL WASTEWATERS

By

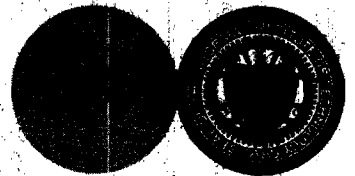
Maurizio F. Giabbai

Prepared for

**LOCKWOOD GREENE ENGINEERS, INC.
1330 W. Peachtree Street, N.W.
Atlanta, GA 30367**

JANUARY 1985

GEORGIA INSTITUTE OF TECHNOLOGY
A UNIT OF THE UNIVERSITY SYSTEM OF GEORGIA
SCHOOL OF CIVIL ENGINEERING
ATLANTA, GEORGIA 30332



ANALYSIS OF PRIORITY POLLUTANTS
IN INDUSTRIAL WASTEWATERS

by

Maurizio F. Giabbai

School of Civil Engineering
Georgia Institute of Technology
Atlanta, GA 30332

Project Officer
David L. Russell

Lockwood Greene Engineers, Inc.
1330 W. Peachtree St., N.W.
Atlanta, GA 30367

January 1985

TABLE OF CONTENTS

	Page
Executive Summary.....	1
References.....	3
Appendix 1. Analytical Results for Priority Pollutants in Wastewater	
Appendix 2. Recovery Data for Priority Pollutants in Wastewater Samples	
Appendix 3. GC-MS Traces of Representative Samples	

EXECUTIVE SUMMARY

All operations and methodologies used for trace analysis of priority pollutants in industrial wastewaters followed very closely the Environmental Protection Agency's guidelines (1-3) and analytical methodologies established in this laboratory for municipal wastewater and sludge samples (4). The wastewater samples delivered to the lab were checked for proper preservation during shipment (e.g., sample integrity, presence of ice in cooler, air bubbles in vials for purgeable analysis, etc.), identified against the chain of custody data sheet and finally reported in the lab reference book. All samples were stored and preserved in refrigerator at 4°C. Analyses for purgeable priority pollutants were initiated as soon as practically possible but not to exceed one week time from sample collection. In addition, operations for extractable priority pollutants analyses were also started whereas another aliquot of the sample was submitted for metal analysis by Inductive Coupled Plasma Spectrophotometry (ICPS).

A quality assurance and quality control program (QA/QC) was implemented by analyzing "blank" samples and by spiking each wastewater sample with known amounts of selected surrogates before starting the analytical operations (e.g., purge-and-trap analysis, liquid-liquid solvent extraction). The selected surrogates were: 1,4-dichlorobutane and bromochloromethane for the purgeable priority pollutant analyses; and 1,4-dichlorobenzene-d₄, naphthalene-d₈, perylene-d₁₂ and phenol-d₆ for the extractable priority pollutants analyses. The recovery of the surrogate compounds was checked for each sample and compared with the recovery data obtained from the analytical method validation study performed in this lab.

The results concerning the analyses of wastewater samples collected

during the period July 1984 through January 1985 are reported in Appendix 1. Minimum detection limit and recovery data for each priority pollutant and surrogate compound are reported in Appendix 2. Furthermore, GC-MS traces of representative extracts of the samples analyzed during the aforementioned period are reported in Appendix 3.

REFERENCES

1. "Methods for Organic Chemical Analysis of Municipal and Industrial Wastewater", EMSL - U.S. EPA, Cincinnati, OH 45268, EPA-600/4-82-057 (1982).
2. EPA Methods 1624A, 1625A, 1624B and 1625B.
3. "Handbook of Analytical Quality Control in Water and Wastewater Laboratories", EMSL - U.S. EPA, Cincinnati, OH 45268, EPA-600/4-79-019 (1979).
4. F. B. DeWalle, E.S.K. Chian, M. F. Giabbai, et al., "Presence of Priority Pollutants in Sewage and Their Removal in Sewage Treatment Plants", Final Report EPA Grant R806102, MERL - U.S. EPA, Cincinnati, OH 45268 (1980).

APPENDIX 1

Analytical Results for Priority
Pollutants in Wastewater

(July 1984 - January 1985)

PURGEABLE PRIORITY POLLUTANTS

COMPOUND	SAMPLE	(AMOUNT $\mu\text{g}/\text{l}$)
	7/25	
Acrolein	ND	
Acrylonitrile	ND	
Benzene	ND	
Carbon tetrachloride	ND	
Chlorobenzene	ND	
1,2-Dichloroethane	ND	
1,1,1,-Trichloroethane	ND	
1,1-Dichloroethane	ND	
1,1,2,2,-Tetrachloroethane	ND	
Chloroform	13.3	
1,1-Dichloroethylene	ND	
1,2-trans-Dichloroethylene	ND	
1,2-Dichloropropane	ND	
1,2-Dichloropropylene	ND	
Ethylbenzene	3.2	
Methylene chloride	12.1	
Methyl chloride (Chloromethane)	ND	
Methyl bromide (Bromomethane)	ND	
Bromoform (Tribromomethane)	ND	
Dichlorobromomethane	ND	
Trichlorofluoromethane	ND	
Dichlorodifluoromethane	ND	
Chlorodibromomethane	ND	
Tetrachloroethylene	ND	
Toluene	34.9	
Trichloroethylene	ND	
Vinyl chloride (Chloroethylene)	ND	
Chloroethane	ND	

ND = Not detected

Lower Detection Limit = 0.5-1 $\mu\text{g}/\text{L}$

BASE NEUTRAL PRIORITY POLLUTANTS

COMPOUND	SAMPLE	(AMOUNT $\mu\text{g}/\text{l}$)
	7/25	
Acenaphthene	ND	
Benzidine	ND	
1,2,4-Trichlorobenzene	ND	
Hexachlorobenzene	ND	
Hexachloroethane	ND	
bis(Chloromethyl)ether	ND	
bis(2-Chloroethyl)ether	ND	
2-Chloronaphthalene	ND	
1,2-Dichlorobenzene	ND	
1,3-Dichlorobenzene	ND	
1,4-Dichlorobenzene	ND	
3,3'-Dichlorobenzidine	ND	
2,4-Dinitrotoluene	ND	
2,6-Dinitrotoluene	ND	
1,2-Diphenylhydrazine	ND	
Fluoranthene	ND	
4-Chlorophenylphenylether	ND	
4-Bromophenylphenylether	ND	
bis(2-Chloroisopropyl)ether	ND	
bis(2-Chloroethoxy)methane	ND	
Hexachlorobutadiene	ND	
Hexachlorocyclopentadiene	ND	
Isophorone	ND	
Naphthalene	ND	
Nitrobenzene	ND	

Lower Detection Limit = 1-5 $\mu\text{g}/\text{L}$

BASE NEUTRAL PRIORITY POLLUTANTS

Page 2

COMPOUND	SAMPLE	(AMOUNT $\mu\text{g}/\text{l}$)
	7/25	
N-Nitrosodimethylamine	ND	
N-Nitrosodiphenylamine	ND	
N-Nitroso-di-n-propylamine	ND	
bis(2-Ethylhexyl) phthalate	10	
Butylbenzylphthalate	8	
di-n-Butylphthalate	4	
di-n-Octylphthalate	ND	
Diethylphthalate	666	
Dimethylphthalate	ND	
Benzo(a)anthracene	ND	
Benzo(a)pyrene	ND	
Benzo(b)fluoranthene	ND	
Benzo(k)fluoranthene	ND	
Chrysene	ND	
Acenaphthylene	ND	
Anthracene	ND	
Benzo(g,h,i)perylene	ND	
Dibenzo(a,h)anthracene	ND	
Indeno(1,2,3-cd)pyrene	ND	
Pyrene	ND	

ND = Not detected

Lower Detection Limit = 1-5 $\mu\text{g}/\text{L}$

PHENOL PRIORITY POLLUTANTS

COMPOUND	SAMPLE 7/25	(AMOUNT µg/l)
Phenol	ND	
2-Chlorophenol	ND	
2-Nitrophenol	10	
2,4-Dimethylphenol	ND	
2,4-Dichlorophenol	ND	
2,4,6-Trichlorophenol	ND	
2,4-Dinitrophenol	ND	
4-Nitrophenol	ND	
4,6-Dinitro-o-cresol	ND	
Pentachlorophenol	100	
4-Chloro-m-cresol	ND	

ND = Not detected

Lower Detection Limit = 5 µg/L

PESTICIDE PRIORITY POLLUTANTS

COMPOUND	SAMPLE 7/25	(AMOUNT $\mu\text{g/l}$)
Aldrin	ND	
Dieldrin	ND	
Chlordane	ND	
4,4'-DDT	ND	
4,4'-DDD	ND	
4,4'-DDE	ND	
α -Endosulfan	ND	
β -Endosulfan	ND	
Endosulfan sulfate	ND	
Endrin	ND	
Endrin aldehyde	ND	
Heptachlor	ND	
Heptachlor epoxide	ND	
α -BHC	ND	
β -BHC	ND	
γ -BHC	ND	
δ -BHC	ND	
Toxaphene	ND	
Aroclor 1242	ND	
Aroclor 1254	ND	
Aroclor 1221	ND	
Aroclor 1232	ND	
Aroclor 1248	ND	
Aroclor 1260	ND	
Aroclor 1016	ND	
2,3,7,8-Tetrachlorodi- benzo-p-dioxin	ND	

ND = Not detected

Lower Detection Limit = 0.5-5 $\mu\text{g/L}$

PURGEABLE PRIORITY POLLUTANTS

COMPOUND	SAMPLE 7/31			(AMOUNT $\mu\text{g}/\text{l}$)	
	A	B	D	G	F
Acrolein	ND	ND	ND	ND	ND
Acrylonitrile	ND	ND	ND	ND	ND
Benzene	ND	2.3	65.7	1.5	1.7
Carbon tetrachloride	ND	ND	ND	ND	ND
Chlorobenzene	ND	ND	ND	ND	
1,2-Dichloroethane	ND	ND	ND	ND	ND
1,1,1,-Trichloroethane	4.2	ND	1,332.7	1.5	ND
1,1-Dichloroethane	ND	ND	ND	ND	ND
1,1,2,2,-Tetrachloroethane	ND	ND	ND	ND	ND
Chloroform	12.8	15.3	12.2	13.6	23.2
1,1-Dichloroethylene	ND	ND	ND	ND	ND
1,2-trans-Dichloroethylene	ND	ND	ND	ND	ND
1,2-Dichloropropane	ND	ND	ND	ND	ND
1,2-Dichloropropylene	ND	ND	ND	ND	ND
Ethylbenzene	ND	ND	108.5	3.5	27.6
Methylene chloride	24.7	14.8	857.9	16.6	13.5
Methyl chloride (Chloromethane)	ND	ND	ND	ND	ND
Methyl bromide (Bromomethane)	ND	ND	ND	ND	ND
Bromoform (Tribromomethane)	ND	ND	ND	ND	ND
Dichlorobromomethane	ND	ND	ND	ND	ND
Trichlorofluoromethane	ND	ND	2,702.5	ND	ND
Dichlorodifluoromethane	ND	ND	ND	ND	ND
Chlorodibromomethane	ND	ND	ND	ND	ND
Tetrachloroethylene	ND	1.2	1,720.8	0.9	ND
Toluene	3.8	94.5	2,665.5	3.6	151.8
Trichloroethylene	ND	ND	39.7	ND	ND
Vinyl chloride (Chloroethylene)	ND	ND	ND	ND	ND
Chloroethane	ND	ND	ND	ND	ND

ND = Not detected

Lower Detection Limit = 0.5-1 $\mu\text{g}/\text{L}$

BASE NEUTRAL PRIORITY POLLUTANTS

COMPOUND	SAMPLE "COMPOSITE" 7/31	(AMOUNT $\mu\text{g}/\text{l}$)
Acenaphthene	ND	
Benzidine	ND	
1,2,4-Trichlorobenzene	ND	
Hexachlorobenzene	ND	
Hexachloroethane	ND	
bis(Chloromethyl)ether	ND	
bis(2-Chloroethyl)ether	ND	
2-Chloronaphthalene	ND	
1,2-Dichlorobenzene	ND	
1,3-Dichlorobenzene	ND	
1,4-Dichlorobenzene	ND	
3,3'-Dichlorobenzidine	ND	
2,4-Dinitrotoluene	ND	
2,6-Dinitrotoluene	ND	
1,2-Diphenylhydrazine	ND	
Fluoranthene	ND	
4-Chlorophenylphenylether	ND	
4-Bromophenylphenylether	ND	
bis(2-Chloroisopropyl)ether	ND	
bis(2-Chloroethoxy)methane	ND	
Hexachlorobutadiene	ND	
Hexachlorocyclopentadiene	ND	
Isophorone	ND	
Naphthalene	27	
Nitrobenzene	ND	

Lower Detection Limit = 1-5 $\mu\text{g}/\text{L}$

BASE NEUTRAL PRIORITY POLLUTANTS

Page 2

COMPOUND	SAMPLE "COMPOSITE" 7/31	(AMOUNT $\mu\text{g}/\text{l}$)
N-Nitrosodimethylamine	ND	
N-Nitrosodiphenylamine	ND	
N-Nitroso-di-n-propylamine	ND	
bis(2-Ethylhexyl) phthalate	22	
Butylbenzylphthalate	100	
di-n-Butylphthalate	56	
di-n-Octylphthalate	ND	
Diethylphthalate	48	
Dimethylphthalate	ND	
Benzo(a)anthracene	ND	
Benzo(a)pyrene	ND	
Benzo(b)fluoranthene	ND	
Benzo(k)fluoranthene	ND	
Chrysene	ND	
Acenaphthylene	ND	
Anthracene	7	
Benzo(g,h,i)perylene	ND	
Dibenzo(a,h)anthracene	ND	
Indeno(1,2,3-cd)pyrene	ND	
Pyrene	ND	

ND = Not detected

Lower Detection Limit = 1-5 $\mu\text{g}/\text{L}$

PHENOL PRIORITY POLLUTANTS

COMPOUND	SAMPLE "COMPOSITE" 7/31	(AMOUNT µg/l)
Phenol	ND	
2-Chlorophenol	ND	
2-Nitrophenol	ND	
2,4-Dimethylphenol	ND	
2,4-Dichlorophenol	ND	
2,4,6-Trichlorophenol	ND	
2,4-Dinitrophenol	ND	
4-Nitrophenol	ND	
4,6-Dinitro-o-cresol	ND	
Pentachlorophenol	41	
4-Chloro-m-cresol	ND	

ND = Not detected

Lower Detection Limit = 5 µg/L

PESTICIDE PRIORITY POLLUTANTS

COMPOUND	SAMPLE "COMPOSITE" 7/31	(AMOUNT $\mu\text{g}/\text{l}$)
Aldrin	ND	
Dieldrin	ND	
Chlordane	ND	
4,4'-DDT	ND	
4,4'-DDD	ND	
4,4'-DDE	ND	
α -Endosulfan	ND	
β -Endosulfan	ND	
Endosulfan sulfate	ND	
Endrin	ND	
Endrin aldehyde	ND	
Heptachlor	ND	
Heptachlor epoxide	ND	
α -BHC	ND	
β -BHC	ND	
γ -BHC	ND	
δ -BHC	ND	
Toxaphene	ND	
Aroclor 1242	ND	
Aroclor 1254	ND	
Aroclor 1221	ND	
Aroclor 1232	ND	
Aroclor 1248	ND	
Aroclor 1260	ND	
Aroclor 1016	ND	
2,3,7,8-Tetrachlorodi- benzo-p-dioxin	ND	

ND = Not detected

Lower Detection Limit = 0.5-5 $\mu\text{g}/\text{L}$

PURGEABLE PRIORITY POLLUTANTS

COMPOUND	SAMPLE "A"			(AMOUNT $\mu\text{g}/\text{l}$)		
	8/8	8/9	8/10	8/13	8/14	8/15
Acrolein	ND	ND	ND	ND	ND	ND
Acrylonitrile	ND	ND	ND	ND	ND	ND
Benzene	ND	ND	ND	ND	ND	ND
Carbon tetrachloride	ND	ND	ND	ND	ND	ND
Chlorobenzene	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	ND	ND	ND	ND	ND	ND
1,1,1,-Trichloroethane	11.0	4.6	4.8	12.1	6.7	2.5
1,1-Dichloroethane	4.8	43.3	6.1	41.7	26.2	5.1
1,1,2,2,-Tetrachloroethane	ND	ND	ND	ND	ND	ND
Chloroform	25.1	40.3	28.0	36.5	52.8	50.2
1,1-Dichloroethylene	ND	ND	ND	ND	ND	ND
1,2-trans-Dichloroethylene	ND	ND	ND	ND	ND	ND
1,2-Dichloropropane	ND	ND	ND	ND	ND	ND
1,2-Dichloropropylene	ND	ND	ND	ND	ND	ND
Ethylbenzene	0.5	1.1	1.0	1.6	ND	1.1
Methylene chloride	16.6	59.0	13.1	59.9	29.8	36.6
Methyl chloride (Chloromethane)	ND	ND	ND	ND	ND	ND
Methyl bromide (Bromomethane)	ND	ND	ND	ND	ND	ND
Bromoform (Tribromomethane)	ND	ND	ND	ND	ND	ND
Dichlorobromomethane	ND	ND	ND	ND	ND	ND
Trichlorofluoromethane	ND	ND	ND	ND	ND	ND
Dichlorodifluoromethane	ND	ND	ND	ND	ND	ND
Chlorodibromomethane	ND	ND	ND	ND	ND	ND
Tetrachloroethylene	ND	ND	ND	50.5	7.7	10.8
Toluene	0.9	6.3	3.2	37.6	3.6	95.1
Trichloroethylene	ND	ND	ND	ND	ND	ND
Vinyl chloride (Chloroethylene)	ND	ND	ND	ND	ND	ND
Chloroethane	0.5	ND	ND	ND	ND	ND

ND = Not detected

Lower Detection Limit = 0.5-1 $\mu\text{g}/\text{L}$

PURGEABLE PRIORITY POLLUTANTS

COMPOUND	SAMPLE "B"			(AMOUNT $\mu\text{g/l}$)		
	8/8	8/9	8/10	8/13	8/14	8/15
Acrolein	ND	ND	ND	ND	ND	ND
Acrylonitrile	ND	ND	ND	ND	ND	ND
Benzene	0.8	0.8	0.6	1.2	ND	1.4
Carbon tetrachloride	ND	ND	ND	ND	ND	ND
Chlorobenzene	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	ND	ND	ND	ND	ND	ND
1,1,1,-Trichloroethane	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	ND	ND	ND	ND	ND	ND
1,1,2,2,-Tetrachloroethane	ND	ND	ND	ND	ND	ND
Chloroform	25.7	27.3	9.3	42.2	46.0	60.1
1,1-Dichloroethylene	ND	ND	ND	ND	ND	ND
1,2-trans-Dichloroethylene	ND	ND	ND	ND	ND	ND
1,2-Dichloropropane	ND	ND	ND	ND	ND	ND
1,2-Dichloropropylene	ND	ND	ND	ND	ND	ND
Ethylbenzene	6.6	14.0	12.0	6.7	15.9	18.8
Methylene chloride	24.0	17.4	21.7	43.9	56.0	48.2
Methyl chloride (Chloromethane)	ND	ND	ND	ND	ND	ND
Methyl bromide (Bromomethane)	ND	ND	ND	ND	ND	ND
Bromoform (Tribromomethane)	ND	ND	ND	ND	ND	ND
Dichlorobromomethane	ND	ND	ND	ND	ND	ND
Trichlorofluoromethane	ND	ND	ND	ND	ND	ND
Dichlorodifluoromethane	ND	ND	ND	ND	ND	ND
Chlorodibromomethane	ND	ND	ND	ND	ND	ND
Tetrachloroethylene	ND	ND	ND	ND	ND	ND
Toluene	6.3	24.9	84.7	21.4	32.2	29.0
Trichloroethylene	ND	ND	ND	ND	ND	ND
Vinyl chloride (Chloroethylene)	ND	ND	ND	ND	ND	ND
Chloroethane	ND	ND	ND	ND	ND	ND

ND = Not detected

Lower Detection Limit = 0.5-1 $\mu\text{g/L}$

PURGEABLE PRIORITY POLLUTANTS

COMPOUND	SAMPLE "D"			(AMOUNT $\mu\text{g}/\text{l}$)		
	8/8	8/9	8/10	8/13	8/14	8/15
Acrolein	ND					
Acrylonitrile	ND					
Benzene	6.4					
Carbon tetrachloride	ND					
Chlorobenzene	ND					
1,2-Dichloroethane	ND					
1,1,1,-Trichloroethane	38.6					
1,1-Dichloroethane	63.3					
1,1,2,2,-Tetrachloroethane	ND					
Chloroform	34.9					
1,1-Dichloroethylene	4.8					
1,2-trans-Dichloroethylene	2.9					
1,2-Dichloropropane	ND					
1,2-Dichloropropylene	ND					
Ethylbenzene	27.7					
Methylene chloride	88.6					
Methyl chloride (Chloromethane)	ND					
Methyl bromide (Bromomethane)	ND					
Bromoform (Tribromomethane)	ND					
Dichlorobromomethane	ND					
Trichlorofluoromethane	ND					
Dichlorodifluoromethane	ND					
Chlorodibromomethane	ND					
Tetrachloroethylene	99.8					
Toluene	6,103.5					
Trichloroethylene	11.5					
Vinyl chloride (Chloroethylene)	ND					
Chloroethane	ND					

ND = Not detected

Lower Detection Limit = 0.5-1 $\mu\text{g}/\text{L}$

PURGEABLE PRIORITY POLLUTANTS

COMPOUND	SAMPLE "F"			(AMOUNT $\mu\text{g/l}$)		
	8/8	8/9	8/10	8/13	8/14	8/15
Acrolein	ND	ND	ND	ND	ND	ND
Acrylonitrile	ND	ND	ND	ND	ND	ND
Benzene	1.5	0.6	1.4	1.7	1.1	ND
Carbon tetrachloride	ND	ND	ND	ND	ND	ND
Chlorobenzene	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	ND	ND	ND	ND	ND	ND
1,1,1,-Trichloroethane	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	ND	ND	ND	ND	ND	ND
1,1,2,2,-Tetrachloroethane	ND	ND	ND	ND	ND	ND
Chloroform	37.4	29.6	51.5	43.9	40.2	45.6
1,1-Dichloroethylene	ND	ND	ND	ND	ND	ND
1,2-trans-Dichloroethylene	ND	ND	ND	ND	ND	ND
1,2-Dichloropropane	ND	ND	ND	ND	ND	ND
1,2-Dichloropropylene	ND	ND	ND	ND	ND	ND
Ethylbenzene	10.3	12.3	28.9	11.7	17.2	10.2
Methylene chloride	63.0	36.3	50.6	53.7	52.4	51.3
Methyl chloride (Chloromethane)	ND	ND	ND	ND	ND	ND
Methyl bromide (Bromomethane)	ND	ND	ND	ND	ND	ND
Bromoform (Tribromomethane)	ND	ND	ND	ND	ND	ND
Dichlorobromomethane	ND	ND	ND	ND	ND	ND
Trichlorofluoromethane	ND	ND	ND	ND	ND	ND
Dichlorodifluoromethane	ND	ND	ND	ND	ND	ND
Chlorodibromomethane	ND	ND	ND	ND	ND	ND
Tetrachloroethylene	ND	6.8	ND	10.0	9.1	ND
Toluene	19.6	34.6	166.4	366.2	61.9	88.1
Trichloroethylene	ND	ND	ND	ND	ND	ND
Vinyl chloride (Chloroethylene)	ND	ND	ND	ND	ND	ND
Chloroethane	ND	ND	ND	ND	ND	ND

ND = Not detected

Lower Detection Limit = 0.5-1 $\mu\text{g/L}$

PURGEABLE PRIORITY POLLUTANTS

COMPOUND	SAMPLE "G"			(AMOUNT $\mu\text{g/l}$)		
	8/8	8/9	8/10	8/13	8/14	8/15
Acrolein	ND	ND	ND	ND	ND	ND
Acrylonitrile	ND	ND	ND	ND	ND	ND
Benzene	1.5	1.0	ND	ND	ND	1.1
Carbon tetrachloride	ND	ND	ND	ND	ND	ND
Chlorobenzene	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	ND	ND	ND	ND	ND	ND
1,1,1,-Trichloroethane	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	ND	ND	ND	ND	ND	ND
1,1,2,2,-Tetrachloroethane	ND	ND	ND	ND	ND	ND
Chloroform	45.8	47.2	43.6	43.4	43.6	42.9
1,1-Dichloroethylene	ND	ND	ND	ND	ND	ND
1,2-trans-Dichloroethylene	ND	ND	ND	ND	ND	ND
1,2-Dichloropropane	ND	ND	ND	ND	ND	ND
1,2-Dichloropropylene	ND	ND	ND	ND	ND	ND
Ethylbenzene	2.0	0.6	ND	ND	1.9	3.4
Methylene chloride	53.5	25.6	73.4	93.6	109.9	53.2
Methyl chloride (Chloromethane)	ND	ND	ND	ND	ND	ND
Methyl bromide (Bromomethane)	ND	ND	ND	ND	ND	ND
Bromoform (Tribromomethane)	ND	ND	ND	ND	ND	ND
Dichlorobromomethane	ND	ND	ND	ND	ND	ND
Trichlorofluoromethane	ND	ND	ND	ND	ND	ND
Dichlorodifluoromethane	ND	ND	ND	ND	ND	ND
Chlorodibromomethane	ND	ND	ND	ND	ND	ND
Tetrachloroethylene	6.2	9.9	ND	8.9	11.8	ND
Toluene	3.4	1.5	3.1	3.5	ND	4.8
Trichloroethylene	ND	ND	ND	ND	ND	ND
Vinyl chloride (Chloroethylene)	ND	ND	ND	ND	ND	ND
Chloroethane	ND	ND	ND	ND	ND	ND

ND = Not detected

Lower Detection Limit = 0.5-1 $\mu\text{g/L}$

PURGEABLE PRIORITY POLLUTANTS

COMPOUND	SAMPLE "COMPOSITE"			(AMOUNT $\mu\text{g}/\text{l}$)		
	8/8	8/9	8/10	8/13	8/14	8/15
Acrolein	ND	ND	ND	ND	ND	ND
Acrylonitrile	ND	ND	ND	ND	ND	ND
Benzene	1.6	1.1	1.3	1.3	ND	1.1
Carbon tetrachloride	ND	ND	ND	ND	ND	ND
Chlorobenzene	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	ND	ND	ND	ND	ND	ND
1,1,1,-Trichloroethane	3.7	3.7	2.6	4.3	1.2	1.7
1,1-Dichloroethane	ND	5.8	3.9	10.3	19.7	3.7
1,1,2,2,-Tetrachloroethane	ND	ND	ND	ND	ND	ND
Chloroform	43.4	56.9	44.8	43.9	40.8	4.6
1,1-Dichloroethylene	ND	ND	ND	ND	ND	ND
1,2-trans-Dichloroethylene	ND	ND	ND	ND	ND	ND
1,2-Dichloropropane	ND	ND	ND	ND	ND	ND
1,2-Dichloropropylene	ND	ND	ND	ND	ND	ND
Ethylbenzene	5.3	5.1	33.3	4.1	5.2	3.3
Methylene chloride	56.8	35.2	72.5	26.3	22.1	31.6
Methyl chloride (Chloromethane)	ND	ND	ND	ND	ND	ND
Methyl bromide (Bromomethane)	ND	ND	ND	ND	ND	ND
Bromoform (Tribromomethane)	ND	ND	ND	ND	ND	ND
Dichlorobromomethane	ND	ND	ND	ND	ND	ND
Trichlorofluoromethane	ND	ND	ND	ND	ND	ND
Dichlorodifluoromethane	ND	ND	ND	ND	ND	ND
Chlorodibromomethane	ND	ND	ND	ND	ND	ND
Tetrachloroethylene	52.4	ND	ND	ND	ND	49.1
Toluene	10.7	15.3	42.6	75.9	10.7	82.2
Trichloroethylene	ND	ND	ND	ND	ND	ND
Vinyl chloride (Chloroethylene)	ND	ND	ND	ND	ND	ND
Chloroethane	ND	ND	ND	ND	ND	ND

ND = Not detected

Lower Detection Limit = 0.5-1 $\mu\text{g}/\text{L}$

BASE NEUTRAL PRIORITY POLLUTANTS

COMPOUND	SAMPLE "A"			(AMOUNT $\mu\text{g}/\text{l}$)		
	8/8	8/9	8/10	8/13	8/14	8/15
Acenaphthene	ND	ND	ND	ND	ND	ND
Benzidine	ND	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	ND	ND	ND	ND	ND	ND
Hexachlorobenzene	ND	ND	ND	ND	ND	ND
Hexachloroethane	ND	ND	ND	ND	ND	ND
bis(Chloromethyl)ether	ND	ND	ND	ND	ND	ND
bis(2-Chloroethyl)ether	ND	ND	ND	ND	ND	ND
2-Chloronaphthalene	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	ND	ND	ND	ND	ND	ND
3,3'-Dichlorobenzidine	ND	ND	ND	ND	ND	ND
2,4-Dinitrotoluene	ND	ND	ND	ND	ND	ND
2,6-Dinitrotoluene	ND	ND	ND	ND	ND	ND
1,2-Diphenylhydrazine	ND	ND	ND	ND	ND	ND
Fluoranthene	ND	ND	ND	ND	ND	ND
4-Chlorophenylphenylether	ND	ND	ND	ND	ND	ND
4-Bromophenylphenylether	ND	ND	ND	ND	ND	ND
bis(2-Chloroisopropyl)ether	ND	ND	ND	ND	ND	ND
bis(2-Chloroethoxy)methane	ND	ND	ND	ND	ND	ND
Hexachlorobutadiene	ND	ND	ND	ND	ND	ND
Hexachlorocyclopentadiene	ND	ND	ND	ND	ND	ND
Isophorone	ND	ND	ND	ND	ND	ND
Naphthalene	10	9	8	5	ND	ND
Nitrobenzene	ND	ND	ND	ND	ND	ND

Lower Detection Limit = 1-5 $\mu\text{g}/\text{L}$

BASE NEUTRAL PRIORITY POLLUTANTS

Page 2

COMPOUND	SAMPLE "A"			(AMOUNT $\mu\text{g}/\text{l}$)		
	8/8	8/9	8/10	8/13	8/14	8/15
N-Nitrosodimethylamine	ND	ND	ND	ND	ND	ND
N-Nitrosodiphenylamine	ND	ND	ND	ND	ND	ND
N-Nitroso-di-n-propylamine	ND	ND	ND	ND	ND	ND
bis(2-Ethylhexyl) phthalate	57	27	60	80	70	ND
Butylbenzylphthalate	269	134	35	ND	ND	ND
di-n-Butylphthalate	ND	ND	ND	ND	ND	ND
di-n-Octylphthalate	ND	ND	ND	ND	ND	ND
Diethylphthalate	29	12	20	30	21	18
Dimethylphthalate	ND	ND	ND	ND	ND	ND
Benzo(a)anthracene	ND	ND	ND	ND	ND	ND
Benzo(a)pyrene	ND	ND	ND	ND	ND	ND
Benzo(b)fluoranthene	ND	ND	ND	ND	ND	ND
Benzo(k)fluoranthene	ND	ND	ND	ND	ND	ND
Chrysene	ND	ND	ND	ND	ND	ND
Acenaphthylene	ND	ND	ND	ND	ND	ND
Anthracene	4	ND	6	ND	ND	ND
Benzo(g,h,i)perylene	ND	ND	ND	ND	ND	ND
Dibenzo(a,h)anthracene	ND	ND	ND	ND	ND	ND
Indeno(1,2,3-cd)pyrene	ND	ND	ND	ND	ND	ND
Pyrene	ND	ND	ND	ND	ND	ND

ND = Not detected

Lower Detection Limit = 1-5 $\mu\text{g}/\text{L}$

BASE NEUTRAL PRIORITY POLLUTANTS

COMPOUND	SAMPLE "B"			(AMOUNT $\mu\text{g}/\text{l}$)		
	8/8	8/9	8/10	8/13	8/14	8/15
Acenaphthene	ND	ND	ND	ND	ND	ND
Benzidine	ND	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	ND	ND	ND	ND	ND	ND
Hexachlorobenzene	ND	ND	ND	ND	ND	ND
Hexachloroethane	ND	ND	ND	ND	ND	ND
bis(Chloromethyl)ether	ND	ND	ND	ND	ND	ND
bis(2-Chloroethyl)ether	ND	ND	ND	ND	ND	ND
2-Chloronaphthalene	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	ND	ND	ND	ND	ND	ND
3,3'-Dichlorobenzidine	ND	ND	ND	ND	ND	ND
2,4-Dinitrotoluene	ND	ND	ND	ND	ND	ND
2,6-Dinitrotoluene	ND	ND	ND	ND	ND	ND
1,2-Diphenylhydrazine	ND	ND	ND	ND	ND	ND
Fluoranthene	ND	ND	ND	ND	ND	ND
4-Chlorophenylphenylether	ND	ND	ND	ND	ND	ND
4-Bromophenylphenylether	ND	ND	ND	ND	ND	ND
bis(2-Chloroisopropyl)ether	ND	ND	ND	ND	ND	ND
bis(2-Chloroethoxy)methane	ND	ND	ND	ND	ND	ND
Hexachlorobutadiene	ND	ND	ND	ND	ND	ND
Hexachlorocyclopentadiene	ND	ND	ND	ND	ND	ND
Isophorone	ND	ND	ND	ND	ND	ND
Naphthalene	ND	ND	ND	20	8	5
Nitrobenzene	ND	ND	ND	ND	ND	ND

Lower Detection Limit = 1-5 $\mu\text{g}/\text{L}$

BASE NEUTRAL PRIORITY POLLUTANTS

Page 2

COMPOUND	SAMPLE "B"			(AMOUNT $\mu\text{g}/\text{l}$)		
	8/8	8/9	8/10	8/13	8/14	8/15
N-Nitrosodimethylamine	ND	ND	ND	ND	ND	ND
N-Nitrosodiphenylamine	ND	ND	ND	ND	ND	ND
N-Nitroso-di-n-propylamine	ND	ND	ND	ND	ND	ND
bis(2-Ethylhexyl) phthalate	ND	15	15	102	ND	ND
Butylbenzylphthalate	927	646	799	420	ND	334
di-n-Butylphthalate	ND	ND	ND	ND	ND	15
di-n-Octylphthalate	ND	ND	ND	ND	ND	ND
Diethylphthalate	112	88	72	48	9	15
Dimethylphthalate	ND	ND	ND	ND	ND	ND
Benzo(a)anthracene	ND	ND	ND	ND	ND	ND
Benzo(a)pyrene	ND	ND	ND	ND	ND	ND
Benzo(b)fluoranthene	ND	ND	ND	ND	ND	ND
Benzo(k)fluoranthene	ND	ND	ND	ND	ND	ND
Chrysene	ND	ND	ND	ND	ND	ND
Acenaphthylene	ND	ND	ND	ND	ND	ND
Anthracene	ND	ND	ND	ND	ND	ND
Benzo(g,h,i)perylene	ND	ND	ND	ND	ND	ND
Dibenzo(a,h)anthracene	ND	ND	ND	ND	ND	ND
Indeno(1,2,3-cd)pyrene	ND	ND	ND	ND	ND	ND
Pyrene	ND	ND	ND	ND	ND	ND

ND = Not detected

Lower Detection Limit = 1-5 $\mu\text{g}/\text{L}$

BASE NEUTRAL PRIORITY POLLUTANTS

COMPOUND	SAMPLE "D"			(AMOUNT $\mu\text{g/l}$)		
	8/8	8/9	8/10	8/13	8/14	8/15
Acenaphthene	ND					
Benzidine	ND					
1,2,4-Trichlorobenzene	ND					
Hexachlorobenzene	ND					
Hexachloroethane	ND					
bis(Chloromethyl)ether	ND					
bis(2-Chloroethyl)ether	ND					
2-Chloronaphthalene	ND					
1,2-Dichlorobenzene	ND					
1,3-Dichlorobenzene	ND					
1,4-Dichlorobenzene	ND					
3,3'-Dichlorobenzidine	ND					
2,4-Dinitrotoluene	ND					
2,6-Dinitrotoluene	ND					
1,2-Diphenylhydrazine	ND					
Fluoranthene	ND					
4-Chlorophenylphenylether	ND					
4-Bromophenylphenylether	ND					
bis(2-Chloroisopropyl)ether	ND					
bis(2-Chloroethoxy)methane	ND					
Hexachlorobutadiene	ND					
Hexachlorocyclopentadiene	ND					
Isophorone	ND					
Naphthalene	438					
Nitrobenzene	ND					

Lower Detection Limit = 1-5 $\mu\text{g/L}$

BASE NEUTRAL PRIORITY POLLUTANTS

Page 2

COMPOUND	SAMPLE "D"			(AMOUNT $\mu\text{g/l}$)		
	8/8	8/9	8/10	8/13	8/14	8/15
N-Nitrosodimethylamine	ND					
N-Nitrosodiphenylamine	ND					
N-Nitroso-di-n-propylamine	ND					
bis(2-Ethylhexyl) phthalate	484					
Butylbenzylphthalate	404					
di-n-Butylphthalate	86					
di-n-Octylphthalate	ND					
Diethylphthalate	6					
Dimethylphthalate	ND					
Benzo(a)anthracene	ND					
Benzo(a)pyrene	ND					
Benzo(b)fluoranthene	ND					
Benzo(k)fluoranthene	ND					
Chrysene	ND					
Acenaphthylene	ND					
Anthracene	16					
Benzo(g,h,i)perylene	ND					
Dibenzo(a,h)anthracene	ND					
Indeno(1,2,3-cd)pyrene	ND					
Pyrene	ND					

ND = Not detected

Lower Detection Limit = 1-5 $\mu\text{g/L}$

BASE NEUTRAL PRIORITY POLLUTANTS

COMPOUND	SAMPLE "F"			(AMOUNT $\mu\text{g/l}$)		
	8/8	8/9	8/10	8/13	8/14	8/15
Acenaphthene	ND	ND	ND	ND	ND	ND
Benzidine	ND	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	ND	ND	ND	ND	ND	ND
Hexachlorobenzene	ND	ND	ND	ND	ND	ND
Hexachloroethane	ND	ND	ND	ND	ND	ND
bis(Chloromethyl)ether	ND	ND	ND	ND	ND	ND
bis(2-Chloroethyl)ether	ND	ND	ND	ND	ND	ND
2-Chloronaphthalene	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	ND	ND	ND	ND	ND	ND
3,3'-Dichlorobenzidine	ND	ND	ND	ND	ND	ND
2,4-Dinitrotoluene	ND	ND	ND	ND	ND	ND
2,6-Dinitrotoluene	ND	ND	ND	ND	ND	ND
1,2-Diphenylhydrazine	ND	ND	ND	ND	ND	ND
Fluoranthene	ND	ND	ND	ND	ND	ND
4-Chlorophenylphenylether	ND	ND	ND	ND	ND	ND
4-Bromophenylphenylether	ND	ND	ND	ND	ND	ND
bis(2-Chloroisopropyl)ether	ND	ND	ND	ND	ND	ND
bis(2-Chloroethoxy)methane	ND	ND	ND	ND	ND	ND
Hexachlorobutadiene	ND	ND	ND	ND	ND	ND
Hexachlorocyclopentadiene	ND	ND	ND	ND	ND	ND
Isophorone	ND	ND	ND	ND	ND	ND
Naphthalene	12	17	ND	30	6	ND
Nitrobenzene	ND	ND	ND	ND	ND	ND

Lower Detection Limit = 1-5 $\mu\text{g/L}$

BASE NEUTRAL PRIORITY POLLUTANTS

Page 2

COMPOUND	SAMPLE "F"			(AMOUNT $\mu\text{g/l}$)		
	8/8	8/9	8/10	8/13	8/14	8/15
N-Nitrosodimethylamine	ND	ND	ND	ND	ND	ND
N-Nitrosodiphenylamine	ND	ND	ND	ND	ND	ND
N-Nitroso-di-n-propylamine	ND	ND	ND	ND	ND	ND
bis(2-Ethylhexyl) phthalate	60	21	ND	ND	ND	ND
Butylbenzylphthalate	3,217	4,060	1,770	3,186	ND	50
di-n-Butylphthalate	9	15	ND	18	12	11
di-n-Octylphthalate	ND	ND	ND	ND	ND	ND
Diethylphthalate	160	84	93	82	24	ND
Dimethylphthalate	ND	ND	ND	ND	ND	ND
Benzo(a)anthracene	ND	ND	ND	ND	ND	ND
Benzo(a)pyrene	ND	ND	ND	ND	ND	ND
Benzo(b)fluoranthene	ND	ND	ND	ND	ND	ND
Benzo(k)fluoranthene	ND	ND	ND	ND	ND	ND
Chrysene	ND	ND	ND	ND	ND	ND
Acenaphthylene	ND	ND	ND	ND	ND	ND
Anthracene	ND	ND	ND	ND	ND	ND
Benzo(g,h,i)perylene	ND	ND	ND	ND	ND	ND
Dibenzo(a,h)anthracene	ND	ND	ND	ND	ND	ND
Indeno(1,2,3-cd)pyrene	ND	ND	ND	ND	ND	ND
Pyrene	ND	ND	ND	ND	ND	ND

ND = Not detected

Lower Detection Limit = 1-5 $\mu\text{g/L}$

BASE NEUTRAL PRIORITY POLLUTANTS

COMPOUND	SAMPLE "G"			(AMOUNT $\mu\text{g/l}$)		
	8/8	8/9	8/10	8/13	8/14	8/15
Acenaphthene	ND	ND	ND	ND	ND	ND
Benzidine	ND	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	ND	ND	ND	ND	ND	ND
Hexachlorobenzene	ND	ND	ND	ND	ND	ND
Hexachloroethane	ND	ND	ND	ND	ND	ND
bis(Chloromethyl)ether	ND	ND	ND	ND	ND	ND
bis(2-Chloroethyl)ether	ND	ND	ND	ND	ND	ND
2-Chloronaphthalene	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	ND	ND	ND	ND	ND	ND
3,3'-Dichlorobenzidine	ND	ND	ND	ND	ND	ND
2,4-Dinitrotoluene	ND	ND	ND	ND	ND	ND
2,6-Dinitrotoluene	ND	ND	ND	ND	ND	ND
1,2-Diphenylhydrazine	ND	ND	ND	ND	ND	ND
Fluoranthene	ND	ND	ND	ND	ND	ND
4-Chlorophenylphenylether	ND	ND	ND	ND	ND	ND
4-Bromophenylphenylether	ND	ND	ND	ND	ND	ND
bis(2-Chloroisopropyl)ether	ND	ND	ND	ND	ND	ND
bis(2-Chloroethoxy)methane	ND	ND	ND	ND	ND	ND
Hexachlorobutadiene	ND	ND	ND	ND	ND	ND
Hexachlorocyclopentadiene	ND	ND	ND	ND	ND	ND
Isophorone	ND	ND	ND	ND	ND	ND
Naphthalene	ND	ND	ND	ND	ND	ND
Nitrobenzene	ND	ND	ND	ND	ND	ND

Lower Detection Limit = 1-5 $\mu\text{g/L}$

BASE NEUTRAL PRIORITY POLLUTANTS

Page 2

COMPOUND	SAMPLE "G"			(AMOUNT $\mu\text{g/l}$)		
	8/8	8/9	8/10	8/13	8/14	8/15
N-Nitrosodimethylamine	ND	ND	ND	ND	ND	ND
N-Nitrosodiphenylamine	ND	ND	ND	ND	ND	ND
N-Nitroso-di-n-propylamine	ND	ND	ND	ND	ND	ND
bis(2-Ethylhexyl) phthalate	7	3	145	34	ND	11
Butylbenzylphthalate	ND	ND	ND	ND	ND	ND
di-n-Butylphthalate	11	4	ND	ND	19	21
di-n-Octylphthalate	ND	ND	ND	ND	ND	ND
Diethylphthalate	14	3	10	10	13	15
Dimethylphthalate	ND	ND	ND	ND	ND	ND
Benzo(a)anthracene	ND	ND	ND	ND	ND	ND
Benzo(a)pyrene	ND	ND	ND	ND	ND	ND
Benzo(b)fluoranthene	ND	ND	ND	ND	ND	ND
Benzo(k)fluoranthene	ND	ND	ND	ND	ND	ND
Chrysene	ND	ND	ND	ND	ND	ND
Acenaphthylene	ND	ND	ND	ND	ND	ND
Anthracene	ND	2	ND	ND	ND	ND
Benzo(g,h,i)perylene	ND	ND	ND	ND	ND	ND
Dibenzo(a,h)anthracene	ND	ND	ND	ND	ND	ND
Indeno(1,2,3-cd)pyrene	ND	ND	ND	ND	ND	ND
Pyrene	ND	ND	ND	ND	ND	ND

ND = Not detected

Lower Detection Limit - 1-5 $\mu\text{g/L}$

BASE NEUTRAL PRIORITY POLLUTANTS

COMPOUND	SAMPLE "COMPOSITE"			(AMOUNT $\mu\text{g/l}$)		
	8/8	8/9	8/10	8/13	8/14	8/15
Acenaphthene	ND	ND	ND	ND	ND	ND
Benzidine	ND	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	ND	ND	ND	ND	ND	ND
Hexachlorobenzene	ND	ND	ND	ND	ND	ND
Hexachloroethane	ND	ND	ND	ND	ND	ND
bis(Chloromethyl)ether	ND	ND	ND	ND	ND	ND
bis(2-Chloroethyl)ether	ND	ND	ND	ND	ND	ND
2-Chloronaphthalene	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	ND	ND	ND	ND	ND	ND
3,3'-Dichlorobenzidine	ND	ND	ND	ND	ND	ND
2,4-Dinitrotoluene	ND	ND	ND	ND	ND	ND
2,6-Dinitrotoluene	ND	ND	ND	ND	ND	ND
1,2-Diphenylhydrazine	ND	ND	ND	ND	ND	ND
Fluoranthene	ND	ND	ND	ND	ND	ND
4-Chlorophenylphenylether	ND	ND	ND	ND	ND	ND
4-Bromophenylphenylether	ND	ND	ND	ND	ND	ND
bis(2-Chloroisopropyl)ether	ND	ND	ND	ND	ND	ND
bis(2-Chloroethoxy)methane	ND	ND	ND	ND	ND	ND
Hexachlorobutadiene	ND	ND	ND	ND	ND	ND
Hexachlorocyclopentadiene	ND	ND	ND	ND	ND	ND
Isophorone	ND	ND	ND	ND	ND	ND
Naphthalene	ND	ND	26	15	2	ND
Nitrobenzene	ND	ND	ND	ND	ND	ND

Lower Detection Limit = 1-5 $\mu\text{g/L}$

BASE NEUTRAL PRIORITY POLLUTANTS

Page 2

COMPOUND	SAMPLE "COMPOSITE"			(AMOUNT $\mu\text{g}/\text{l}$)		
	8/8	8/9	8/10	8/13	8/14	8/15
N-Nitrosodimethylamine	ND	ND	ND	ND	ND	ND
N-Nitrosodiphenylamine	ND	ND	ND	ND	ND	ND
N-Nitroso-di-n-propylamine	ND	ND	ND	ND	ND	ND
bis(2-Ethylhexyl) phthalate	33	42	84	28	20	15
Butylbenzylphthalate	331	997	618	747	46	103
di-n-Butylphthalate	ND	ND	ND	ND	ND	ND
di-n-Octylphthalate	ND	ND	ND	ND	ND	ND
Diethylphthalate	21	39	44	43	10	6
Dimethylphthalate	ND	ND	ND	ND	ND	ND
Benzo(a)anthracene	ND	ND	ND	ND	ND	ND
Benzo(a)pyrene	ND	ND	ND	ND	ND	ND
Benzo(b)fluoranthene	ND	ND	ND	ND	ND	ND
Benzo(k)fluoranthene	ND	ND	ND	ND	ND	ND
Chrysene	ND	ND	ND	ND	ND	ND
Acenaphthylene	ND	ND	ND	ND	ND	ND
Anthracene	ND	ND	8	ND	NQ	ND
Benzo(g,h,i)perylene	ND	ND	ND	ND	ND	ND
Dibenzo(a,h)anthracene	ND	ND	ND	ND	ND	ND
Indeno(1,2,3-cd)pyrene	ND	ND	ND	ND	ND	ND
Pyrene	ND	ND	ND	ND	ND	ND

ND = Not detected

NQ = Detected but not quantitated

Lower Detection Limit = 1-5 $\mu\text{g}/\text{L}$

PHENOL PRIORITY POLLUTANTS

COMPOUND	SAMPLE "A"			(AMOUNT $\mu\text{g/l}$)		
	8/8	8/9	8/10	8/13	8/14	8/15
Phenol	ND	ND	ND	ND	ND	ND
2-Chlorophenol	ND	ND	ND	ND	ND	ND
2-Nitrophenol	ND	ND	30	ND	ND	ND
2,4-Dimethylphenol	ND	ND	ND	ND	ND	ND
2,4-Dichlorophenol	ND	ND	ND	ND	ND	ND
2,4,6-Trichlorophenol	ND	ND	ND	ND	ND	ND
2,4-Dinitrophenol	ND	ND	ND	ND	ND	ND
4-Nitrophenol	ND	ND	ND	ND	ND	ND
4,6-Dinitro-o-cresol	ND	ND	ND	ND	ND	ND
Pentachlorophenol	ND	ND	ND	ND	ND	ND
4-Chloro-m-cresol	ND	ND	ND	ND	ND	ND

ND = Not detected

Lower Detection Limit = 5 $\mu\text{g/L}$

PHENOL PRIORITY POLLUTANTS

COMPOUND	SAMPLE "B"			(AMOUNT $\mu\text{g/l}$)		
	8/8	8/9	8/10	8/13	8/14	8/15
Phenol	ND	ND	ND	ND	ND	ND
2-Chlorophenol	ND	ND	ND	ND	ND	ND
2-Nitrophenol	ND	ND	ND	ND	ND	ND
2,4-Dimethylphenol	ND	ND	ND	ND	ND	ND
2,4-Dichlorophenol	ND	ND	ND	ND	ND	ND
2,4,6-Trichlorophenol	ND	ND	ND	ND	ND	ND
2,4-Dinitrophenol	ND	ND	ND	ND	ND	ND
4-Nitrophenol	ND	ND	ND	ND	ND	ND
4,6-Dinitro-o-cresol	ND	ND	ND	ND	ND	ND
Pentachlorophenol	ND	ND	ND	ND	ND	ND
4-Chloro-m-cresol	ND	ND	ND	ND	ND	ND

ND = Not detected

Lower Detection Limit = 5 $\mu\text{g/L}$

PHENOL PRIORITY POLLUTANTS

COMPOUND	SAMPLE "D"			(AMOUNT $\mu\text{g}/\text{l}$)		
	8/8	8/9	8/10	8/13	8/14	8/15
Phenol	ND					
2-Chlorophenol	ND					
2-Nitrophenol	ND					
2,4-Dimethylphenol	ND					
2,4-Dichlorophenol	ND					
2,4,6-Trichlorophenol	ND					
2,4-Dinitrophenol	ND					
4-Nitrophenol	ND					
4,6-Dinitro- <i>o</i> -cresol	ND					
Pentachlorophenol	ND					
4-Chloro- <i>m</i> -cresol	ND					

ND = Not detected

Lower Detection Limit = 5 $\mu\text{g}/\text{L}$

PHENOL PRIORITY POLLUTANTS

COMPOUND	SAMPLE "F"			(AMOUNT $\mu\text{g/l}$)		
	8/8	8/9	8/10	8/13	8/14	8/15
Phenol	ND	ND	ND	ND	ND	ND
2-Chlorophenol	ND	ND	ND	ND	ND	ND
2-Nitrophenol	ND	ND	ND	ND	ND	ND
2,4-Dimethylphenol	ND	ND	ND	ND	ND	ND
2,4-Dichlorophenol	ND	ND	ND	ND	ND	ND
2,4,6-Trichlorophenol	ND	ND	ND	ND	ND	ND
2,4-Dinitrophenol	ND	ND	ND	ND	ND	ND
4-Nitrophenol	ND	ND	ND	ND	ND	ND
4,6-Dinitro-o-cresol	ND	ND	ND	ND	ND	ND
Pentachlorophenol	ND	ND	ND	ND	ND	ND
4-Chloro-m-cresol	ND	ND	ND	ND	ND	ND

ND = Not detected

Lower Detection Limit = 5 $\mu\text{g/L}$

PHENOL PRIORITY POLLUTANTS

COMPOUND	SAMPLE "G"			(AMOUNT $\mu\text{g/l}$)		
	8/8	8/9	8/10	8/13	8/14	8/15
Phenol	ND	ND	ND	ND	ND	ND
2-Chlorophenol	ND	ND	ND	ND	ND	ND
2-Nitrophenol	ND	ND	ND	ND	ND	ND
2,4-Dimethylphenol	ND	ND	ND	ND	ND	ND
2,4-Dichlorophenol	ND	ND	ND	ND	ND	ND
2,4,6-Trichlorophenol	ND	ND	ND	ND	ND	ND
2,4-Dinitrophenol	ND	ND	ND	ND	ND	ND
4-Nitrophenol	ND	ND	ND	ND	ND	ND
4,6-Dinitro-o-cresol	ND	ND	ND	ND	ND	ND
Pentachlorophenol	ND	ND	ND	ND	ND	ND
4-Chloro-m-cresol	ND	ND	ND	ND	ND	ND

ND = Not detected

Lower Detection Limit = 5 $\mu\text{g/L}$

PHENOL PRIORITY POLLUTANTS

COMPOUND	SAMPLE "COMPOSITE"			(AMOUNT $\mu\text{g}/\text{l}$)		
	8/8	8/9	8/10	8/13	8/14	8/15
Phenol	ND	ND	ND	ND	ND	ND
2-Chlorophenol	ND	ND	ND	ND	ND	ND
2-Nitrophenol	ND	ND	12	ND	ND	ND
2,4-Dimethylphenol	ND	ND	ND	ND	ND	ND
2,4-Dichlorophenol	ND	ND	ND	ND	ND	ND
2,4,6-Trichlorophenol	ND	ND	ND	ND	ND	ND
2,4-Dinitrophenol	ND	ND	ND	ND	ND	ND
4-Nitrophenol	ND	ND	ND	ND	ND	ND
4,6-Dinitro-o-cresol	ND	ND	ND	ND	ND	ND
Pentachlorophenol	ND	ND	ND	ND	ND	ND
4-Chloro-m-cresol	ND	ND	ND	ND	ND	ND

ND = Not detected

Lower Detection Limit = 5 $\mu\text{g}/\text{L}$

PESTICIDE PRIORITY POLLUTANTS

COMPOUND	SAMPLE "COMPOSITE"			(AMOUNT $\mu\text{g}/\text{l}$)		
	8/8	8/9	8/10	8/13	8/14	8/15
Aldrin	ND	ND	ND	ND	ND	ND
Dieldrin	ND	ND	ND	ND	ND	ND
Chlordane	ND	ND	ND	ND	ND	ND
4,4'-DDT	ND	ND	ND	ND	ND	ND
4,4'-DDD	ND	ND	ND	ND	ND	ND
4,4'-DDE	ND	ND	ND	ND	ND	ND
α -Endosulfan	ND	ND	ND	ND	ND	ND
β -Endosulfan	ND	ND	ND	ND	ND	ND
Endosulfan sulfate	ND	ND	ND	ND	ND	ND
Endrin	ND	ND	ND	ND	ND	ND
Endrin aldehyde	ND	ND	ND	ND	ND	ND
Heptachlor	ND	ND	ND	ND	ND	ND
Heptachlor epoxide	ND	ND	ND	ND	ND	ND
α -BHC	ND	ND	ND	ND	ND	ND
β -BHC	ND	ND	ND	ND	ND	ND
γ -BHC	ND	ND	ND	ND	ND	ND
δ -BHC	ND	ND	ND			
Toxaphene	ND	ND	ND			
Aroclor 1242	ND	ND	ND			
Aroclor 1254	ND	ND	ND			
Aroclor 1221	ND	ND	ND			
Aroclor 1232	ND	ND	ND			
Aroclor 1248	ND	ND	ND			
Aroclor 1260	ND	ND	ND			
Aroclor 1016	ND	ND	ND			
2,3,7,8-Tetrachlorodi- benzo-p-dioxin	ND	ND	ND			

ND = Not detected

Lower Detection Limit = 0.5-5 $\mu\text{g}/\text{L}$

INORGANIC PRIORITY POLLUTANTS

COMPOUND	SAMPLE "COMPOSITE"			(AMOUNT mg/l)		
	8/8	8/9	8/10	8/13	8/14	8/15
Hg (0.014 mg/l*)	--	--	--	--	--	--
Sb (0.1 mg/l)	--	--	--	--	--	--
As (0.08 mg/l)	--	--	--	--	--	--
Be (0.06 mg/l)	--	--	--	--	--	--
Cd (0.005 mg/l)	--	--	--	--	--	--
Cr (0.009 mg/l)	--	--	--	--	--	--
Cu (0.03 mg/l)	--	--	--	--	--	--
Pb (0.03 mg/l)	3.5	--	--	--	--	--
Ni (0.006 mg/l)	--	--	--	--	--	--
Se (0.1 mg/l)	--	--	--	--	--	--
Ag (0.005 mg/l)	0.007	0.013	0.008	0.036	0.023	0.023
Tl (0.1 mg/l)	--	--	--	--	--	--
Zn (0.006 mg/l)	0.42	0.56	1.46	0.86	0.68	1.06
Cyanide (0.02 mg/l)	ND	ND	ND	ND	ND	ND

*Lower Detection Limit
 ND = Not detected

INORGANIC PRIORITY POLLUTANTS

COMPOUND	SAMPLE "G" 8/09	(AMOUNT mg/l) 8/15
Cyanide (0.02 mg/l*)	ND	ND

*Lower Detection Limit

PURGEABLE PRIORITY POLLUTANTS

COMPOUND	SAMPLE "COMPOSITE"	(AMOUNT $\mu\text{g}/\text{l}$)
	9/11	
Acrolein	ND	
Acrylonitrile	ND	
Benzene	ND	
Carbon tetrachloride	ND	
Chlorobenzene	ND	
1,2-Dichloroethane	ND	
1,1,1,-Trichloroethane	1.4	
1,1-Dichloroethane	ND	
1,1,2,2,-Tetrachloroethane	ND	
Chloroform	22.6	
1,1-Dichloroethylene	ND	
1,2-trans-Dichloroethylene	ND	
1,2-Dichloropropane	ND	
1,2-Dichloropropylene	ND	
Ethylbenzene	9.3	
Methylene chloride	54.6	
Methyl chloride (Chloromethane)	ND	
Methyl bromide (Bromomethane)	ND	
Bromoform (Tribromomethane)	ND	
Dichlorobromomethane	ND	
Trichlorofluoromethane	ND	
Dichlorodifluoromethane	ND	
Chlorodibromomethane	ND	
Tetrachloroethylene	ND	
Toluene	14.6	
Trichloroethylene	ND	
Vinyl chloride (Chloroethylene)	ND	
Chloroethane	ND	

ND = Not detected

Lower Detection Limit = 0.5-1 $\mu\text{g}/\text{L}$

BASE NEUTRAL PRIORITY POLLUTANTS

COMPOUND	SAMPLE "COMPOSITE" 9/11	(AMOUNT $\mu\text{g}/\text{l}$)
Acenaphthene	ND	
Benzidine	ND	
1,2,4-Trichlorobenzene	ND	
Hexachlorobenzene	ND	
Hexachloroethane	ND	
bis(Chloromethyl)ether	ND	
bis(2-Chloroethyl)ether	ND	
2-Chloronaphthalene	ND	
1,2-Dichlorobenzene	ND	
1,3-Dichlorobenzene	ND	
1,4-Dichlorobenzene	ND	
3,3'-Dichlorobenzidine	ND	
2,4-Dinitrotoluene	ND	
2,6-Dinitrotoluene	ND	
1,2-Diphenylhydrazine	ND	
Fluoranthene	ND	
4-Chlorophenylphenylether	ND	
4-Bromophenylphenylether	ND	
bis(2-Chloroisopropyl)ether	ND	
bis(2-Chloroethoxy)methane	ND	
Hexachlorobutadiene	ND	
Hexachlorocyclopentadiene	ND	
Isophorone	ND	
Naphthalene	3	
Nitrobenzene	ND	

Lower Detection Limit = 1-5 $\mu\text{g}/\text{L}$

BASE NEUTRAL PRIORITY POLLUTANTS

Page 2

COMPOUND	SAMPLE "COMPOSITE" 9/11	(AMOUNT $\mu\text{g}/\text{l}$)
N-Nitrosodimethylamine	ND	
N-Nitrosodiphenylamine	ND	
N-Nitroso-di-n-propylamine	ND	
bis(2-Ethylhexyl) phthalate	22	
Butylbenzylphthalate	630	
di-n-Butylphthalate	ND	
di-n-Octylphthalate	ND	
Diethylphthalate	7	
Dimethylphthalate	ND	
Benzo(a)anthracene	ND	
Benzo(a)pyrene	ND	
Benzo(b)fluoranthene	ND	
Benzo(k)fluoranthene	ND	
Chrysene	ND	
Acenaphthylene	ND	
Anthracene	ND	
Benzo(g,h,i)perylene	ND	
Dibenzo(a,h)anthracene	ND	
Indeno(1,2,3-cd)pyrene	ND	
Pyrene	ND	

ND = Not detected

Lower Detection Limit = 1-5 $\mu\text{g}/\text{L}$

PHENOL PRIORITY POLLUTANTS

COMPOUND	SAMPLE "COMPOSITE" 9/11	(AMOUNT $\mu\text{g}/\text{l}$)
Phenol	ND	
2-Chlorophenol	ND	
2-Nitrophenol	ND	
2,4-Dimethylphenol	ND	
2,4-Dichlorophenol	ND	
2,4,6-Trichlorophenol	ND	
2,4-Dinitrophenol	ND	
4-Nitrophenol	ND	
4,6-Dinitro-o-cresol	ND	
Pentachlorophenol	ND	
4-Chloro-m-cresol	ND	

ND = Not detected

Lower Detection Limit = 5 $\mu\text{g}/\text{L}$

Sample Received on: October 5, 1984
Analysis Completed on: October 15, 1984
Analysts: J. S. Kim and M. F. Giabbai
Approved: M. F. Giabbai

Sample Received on: November 5, 1984
Analysis Completed on: November 16, 1984
Analysts: J. S. Kim and M. F. Giabbai
Approved: M. F. Giabbai

Sample Received on: December 8, 1984
Analysis Completed on: December 13, 1984
Analysts: J. S. Kim and J. F. Giabbai
Approved: M. F. Giabbai

Sample Received on: January 8, 1985
Analysis Completed on: January 15, 1985
Analysts: J. S. Kim and M. F. Giabbai
Approved: M. F. Giabbai

PURGEABLE PRIORITY POLLUTANTS

COMPOUND	SAMPLE		(AMOUNT $\mu\text{g}/\text{l}$)	
	10/4	11/4	12/7	1/7/85
Acrolein	ND	ND	ND	ND
Acrylonitrile	ND	ND	ND	ND
Benzene	NQ	ND	1.6	1.4
Carbon tetrachloride	ND	ND	ND	ND
Chlorobenzene	ND	ND	ND	ND
1,2-Dichloroethane	ND	ND	ND	ND
1,1,1,-Trichloroethane	4.0	ND	ND	2.5
1,1-Dichloroethane	ND	ND	ND	ND
1,1,2,2,-Tetrachloroethane	ND	ND	ND	ND
Chloroform	2.8	5.1	NQ	10.5
1,1-Dichloroethylene	ND	ND	ND	ND
1,2-trans-Dichloroethylene	ND	ND	ND	ND
1,2-Dichloropropane	ND	ND	ND	ND
1,2-Dichloropropylene	ND	ND	ND	ND
Ethylbenzene	26.7	33.2	73.2	25.1
Methylene chloride	21.1	NQ	761.4	8.6
Methyl chloride (Chloromethane)	ND	ND	ND	ND
Methyl bromide (Bromomethane)	ND	ND	ND	ND
Bromoform (Tribromomethane)	ND	ND	ND	ND
Dichlorobromomethane	NQ	ND	ND	3.6
Trichlorofluoromethane	ND	ND	ND	ND
Dichlorodifluoromethane	ND	ND	ND	ND
Chlorodibromomethane	ND	ND	ND	ND
Tetrachloroethylene	ND	ND	ND	NQ
Toluene	107.6	102.0	159.3	208.2
Trichloroethylene	ND	ND	ND	2.9
Vinyl chloride (Chloroethylene)	ND	ND	ND	ND
Chloroethane	ND	ND	ND	ND

BASE NEUTRAL PRIORITY POLLUTANTS

COMPOUND	SAMPLE			
	10/4	11/4	12/7	(AMOUNT $\mu\text{g}/\text{l}$) 1/7/85
Acenaphthene	ND	ND	ND	ND
Benzidine	ND	ND	ND	ND
1,2,4-Trichlorobenzene	ND	ND	ND	ND
Hexachlorobenzene	ND	ND	ND	ND
Hexachloroethane	ND	ND	ND	ND
bis(Chloromethyl)ether	ND	ND	ND	ND
bis(2-Chloroethyl)ether	ND	ND	ND	ND
2-Chloronaphthalene	ND	ND	ND	ND
1,2-Dichlorobenzene	ND	ND	ND	ND
1,3-Dichlorobenzene	ND	ND	ND	ND
1,4-Dichlorobenzene	ND	ND	ND	ND
3,3'-Dichlorobenzidine	ND	ND	ND	ND
2,4-Dinitrotoluene	ND	ND	ND	ND
2,6-Dinitrotoluene	ND	ND	ND	ND
1,2-Diphenylhydrazine	ND	ND	ND	ND
Fluoranthene	ND	ND	ND	ND
4-Chlorophenylphenylether	ND	ND	ND	ND
4-Bromophenylphenylether	ND	ND	ND	ND
bis(2-Chloroisopropyl)ether	ND	ND	ND	ND
bis(2-Chloroethoxy)methane	ND	ND	ND	ND
Hexachlorobutadiene	ND	ND	ND	ND
Hexachlorocyclopentadiene	ND	ND	ND	ND
Isophorone	ND	ND	ND	ND
Naphthalene	2.2	2.0	4.6	7.2
Nitrobenzene	ND	ND	ND	ND

BASE NEUTRAL PRIORITY POLLUTANTS

Page 2

COMPOUND	SAMPLE		(AMOUNT $\mu\text{g}/\text{l}$)	
	10/4	11/4	12/7	1/7/85
N-Nitrosodimethylamine	ND	ND	ND	ND
N-Nitrosodiphenylamine	ND	ND	ND	ND
N-Nitroso-di-n-propylamine	ND	ND	ND	ND
bis(2-Ethylhexyl) phthalate	17.	8.0	43.4	ND
Butylbenzylphthalate	273.0	103.0	6,614.6	4,666.0
di-n-Butylphthalate	2.0	2.0	3.6	4.0
di-n-Octylphthalate	ND	ND	10.4	ND
Diethylphthalate	14.0	35.0	36.9	319.6
Dimethylphthalate	ND	ND	ND	ND
Benzo(a)anthracene	ND	ND	ND	ND
Benzo(a)pyrene	ND	ND	ND	ND
Benzo(b)fluoranthene	ND	ND	ND	ND
Benzo(k)fluoranthene	ND	ND	ND	ND
Chrysene	ND	ND	ND	ND
Acenaphthylene	ND	ND	ND	ND
Anthracene	ND	ND	ND	ND
Benzo(g,h,i)perylene	ND	ND	ND	ND
Dibenzo(a,h)anthracene	ND	ND	ND	ND
Indeno(1,2,3-cd)pyrene	ND	ND	ND	ND
Pyrene	ND	ND	ND	ND
Phenanthrene	ND	ND	1.4	ND

PHENOL PRIORITY POLLUTANTS

COMPOUND	SAMPLE		(AMOUNT $\mu\text{g/l}$)	
	10/4	11/4	12/7	1/7/85
Phenol	ND	ND	ND	ND
2-Chlorophenol	ND	ND	ND	ND
2-Nitrophenol	ND	ND	ND	ND
2,4-Dimethylphenol	ND	ND	ND	ND
2,4-Dichlorophenol	ND	ND	ND	ND
2,4,6-Trichlorophenol	ND	ND	ND	ND
2,4-Dinitrophenol	ND	ND	ND	ND
4-Nitrophenol	ND	ND	ND	ND
4,6-Dinitro-o-cresol	ND	ND	ND	ND
Pentachlorophenol	ND	ND	ND	ND
4-Chloro-m-cresol	ND	ND	ND	ND

INORGANIC PRIORITY POLLUTANTS

COMPOUND	SAMPLE "COMPOSITE" 12/7	(AMOUNT mg/l)
Hg (0.014 mg/l*)	ND	
Sb (0.1 mg/l)	ND	
As (0.08 mg/l)	ND	
Be (0.06 mg/l)	ND	
Cd (0.005 mg/l)	ND	
Cr (0.009 mg/l)	0.050	
Cu (0.03 mg/l)	0.045	
Pb (0.03 mg/l)	0.542	
Ni (0.006 mg/l)	0.148	
Se (0.1 mg/l)	ND	
Ag (0.005 mg/l)	ND	
Tl (0.1 mg/l)	ND	
Zn (0.006 mg/l)	2.66	

*Lower Detection Limit
 ND = Not detected

APPENDIX 2

Recovery Data for Priority Pollutants
in Wastewater Samples

SURROGATE FOR PRIORITY POLLUTANT ANALYSIS
RECOVERY DATA FOR WASTEWATER

COMPOUND	% RECOVERY <u>±</u> SD
Phenol-d ₆	51.3 <u>±</u> 18.6
1,4-Dichlorobenzene-d ₄	49.6 <u>±</u> 10.1
Naphthalene-d ₈	83.1 <u>±</u> 8.3
Perylene-d ₁₂	45.6 <u>±</u> 12.1
Bromochloromethane	89.6 <u>±</u> 10.3
1,4-Dichlorobutane	95.3 <u>±</u> 11.4

PURGEABLE PRIORITY POLLUTANTS
RECOVERY DATA FOR WASTEWATER

COMPOUND	% RECOVERY \pm SD	ESTIMATED METHOD DETECTION LIMIT ($\mu\text{g/L}$)
Acrolein	NS	
Acrylonitrile	NS	
Benzene	93.5 \pm 11.3	0.5
Carbon tetrachloride	89.0 \pm 12.5	0.5
Chlorobenzene	71.9 \pm 8.4	0.5
1,2-Dichloroethane	101.5 \pm 15.6	0.5
1,1,1,-Trichloroethane	111.3 \pm 20.3	0.5
1,1-Dichloroethane	94.7 \pm 11.3	0.5
1,1,2,2,-Tetrachloroethane	94.0 \pm 10.4	0.5
Chloroform	100.5 \pm 8.4	0.5
1,1-Dichloroethylene	92.5 \pm 10.1	0.5
1,2-trans-Dichloroethylene	116.2 \pm 17.5	0.5
1,2-Dichloropropane	80.7 \pm 9.7	0.5
1,2-Dichloropropylene	99.1 \pm 10.2	0.5
Ethylbenzene	99.9 \pm 13.1	0.5
Methylene chloride	130.5 \pm 25.6	0.5
Methyl chloride (Chloromethane)	NS	
Methyl bromide (Bromomethane)	NS	
Bromoform (Tribromomethane)	99.8 \pm 8.2	0.5
Dichlorobromomethane	NS	
Trichlorofluoromethane	106.7 \pm 16.3	0.5
Dichlorodifluoromethane	NS	
Chlorodibromomethane	79.6 \pm 5.7	0.5
Tetrachloroethylene	101.5 \pm 11.1	0.5
Toluene	97.1 \pm 9.3	0.5
Trichloroethylene	98.8 \pm 11.2	0.5
Vinyl chloride (Chloroethylene)	NS	
Chloroethane	100.3 \pm 21.3	0.5

PHENOL PRIORITY POLLUTANTS
RECOVERY DATA FOR WASTEWATER

COMPOUND	% RECOVERY \pm SD	ESTIMATED MINIMUM METHOD Detection Limit ($\mu\text{g/L}$)
Phenol	45.5 \pm 12.1	10
2-Chlorophenol	49.6 \pm 10.3	10
2-Nitrophenol	60.2 \pm 9.8	10
2,4-Dimethylphenol	70.4 \pm 21.3	10
2,4-Dichlorophenol	45.3 \pm 15.1	10
2,4,6-Trichlorophenol	85.7 \pm 18.3	10
2,4-Dinitrophenol	45.8 \pm 10.1	20
4-Nitrophenol	NS	
4,6-Dinitro-o-cresol	40.7 \pm 13.2	20
Pentachlorophenol	109 \pm 22.1	10
4-Chloro-m-cresol	95.3 \pm 23.1	10

BASE NEUTRAL PRIORITY POLLUTANTS
RECOVERY DATA FOR WASTEWATER

COMPOUND	% RECOVERY \pm SD	ESTIMATED MINIMUM METHOD DETECTION LIMIT ($\mu\text{g/L}$)
Acenaphthene	75.4 \pm 16.1	5
Benzidine	NS	
1,2,4-Trichlorobenzene	70.6 \pm 32.0	5
Hexachlorobenzene	73.9 \pm 123.4	5
Hexachloroethane	57.5 \pm 40.5	5
bis(Chloromethyl)ether	NS	
bis(2-Chloroethyl)ether	80.4 \pm 12.0	5
2-Chloronaphthalene	74.3 \pm 13.5	5
1,2-Dichlorobenzene	74.4 \pm 44.3	5
1,3-Dichlorobenzene	58.3 \pm 35.8	5
1,4-Dichlorobenzene	77.7 \pm 34.1	5
3,3'-Dichlorobenzidine	NS	
2,4-Dinitrotoluene	70.2 \pm 32.4	5
2,6-Dinitrotoluene	80.7 \pm 27.0	5
1,2-Diphenylhydrazine	45.1 \pm 24.3	5
Fluoranthene	72.9 \pm 20.9	5
4-Chlorophenylphenylether	NS	
4-Bromophenylphenylether	79.7 \pm 19.2	5
bis(2-Chloroisopropyl)ether	NS	
bis(2-Chloroethoxy)methane	NS	
Hexachlorobutadiene	NS	
Hexachlorocyclopentadiene	NS	
Isophorone	NS	
Naphthalene	104.7 \pm 31.4	5
Nitrobenzene	83.1 \pm 27.1	5

BASE NEUTRAL PRIORITY POLLUTANTS

Page 2

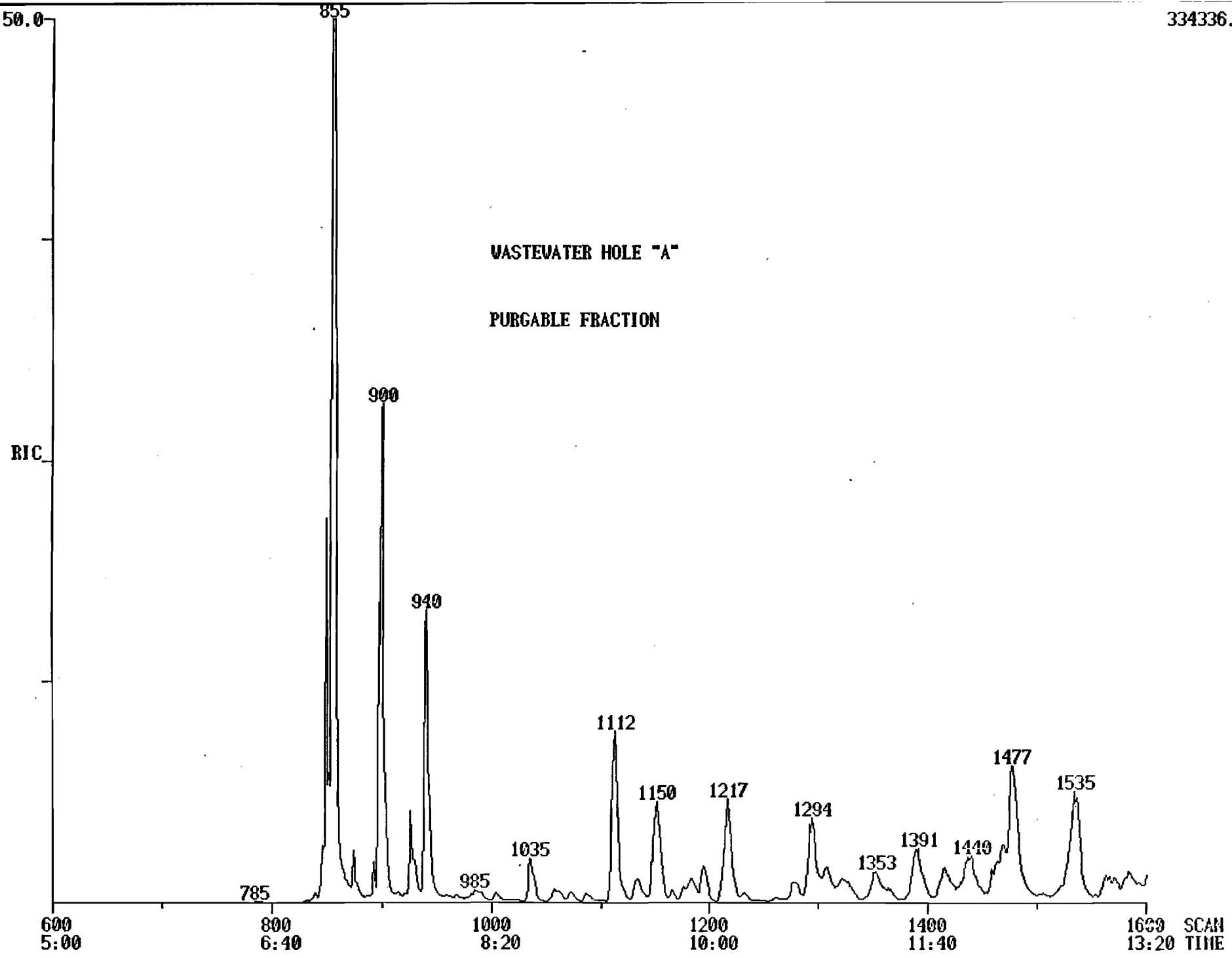
COMPOUND		
N-Nitrosodimethylamine	NS	
N-Nitrosodiphenylamine	NS	
N-Nitroso-di-n-propylamine	79.3 ± 25.9	5
bis(2-Ethylhexyl)phthalate	212.3 ± 113	5
Butylbenzylphthalate	115.6 ± 117	5
di-n-Butylphthalate	55.7 ± 8.6	5
di-n-Octylphthalate	91.8 ± 56.2	5
Diethylphthalate	68.6 ± 28.5	5
Dimethylphthalate	85.1 ± 18.0	5
Benzo(a)anthracene	102.0 ± 61.5	5
Benzo(a)pyrene	168.3 ± 62.2	5
Benzo(b)fluoranthene	153.8 ± 87.1	5
Benzo(k)fluoranthene	156.3 ± 107.1	5
Chrysene	150.6 ± 88.2	5
Acenaphthylene	57.0 ± 19.1	5
Anthracene	38.3 ± 5.5	5
Benzo(g,h,i)perylene	160.6 ± 153.5	5
Dibenzo(a,h)anthracene	102.8 ± 69.9	5
Indeno(1,2,3-cd)pyrene	NS	
Pyrene	77.1 ± 21.6	5

PESTICIDE PRIORITY POLLUTANTS
RECOVERY DATA FOR WASTEWATER

COMPOUND	% RECOVERY \pm SD	ESTIMATED METHOD DETECTION LIMIT ($\mu\text{g/L}$)
Aldrin	68.3 \pm 13.1	5
Dieldrin	67.8 \pm 16.3	5
Chlordane	NS	
4,4'-DDT	75.0 \pm 23.1	5
4,4'-DDD	75.7 \pm 14.3	5
4,4'-DDE	83.2 \pm 15.5	5
α -Endosulfan	62.3 \pm 18.3	5
β -Endosulfan	65.3 \pm 10.8	5
Endosulfan sulfate	NS	
Endrin	101.2 \pm 22.1	5
Endrin aldehyde	NS	
Heptachlor	71.7 \pm 19.8	5
Heptachlor epoxide	85.9 \pm 17.3	5
α -BHC	99.2 \pm 10.1	5
β -BHC	58.9 \pm 16.5	5
γ -BHC	89.3 \pm 13.7	5
δ -BHC	83.4 \pm 17.8	5
Toxaphene	NS	
Aroclor 1242	NS	
Aroclor 1254	NS	
Aroclor 1221	NS	
Aroclor 1232	NS	
Aroclor 1248	NS	
Aroclor 1260	NS	
Aroclor 1016	NS	
2,3,7,8-Tetrachlorodi- benzo-p-dioxin	NS	

APPENDIX 3

GC-MS Traces of Representative Samples

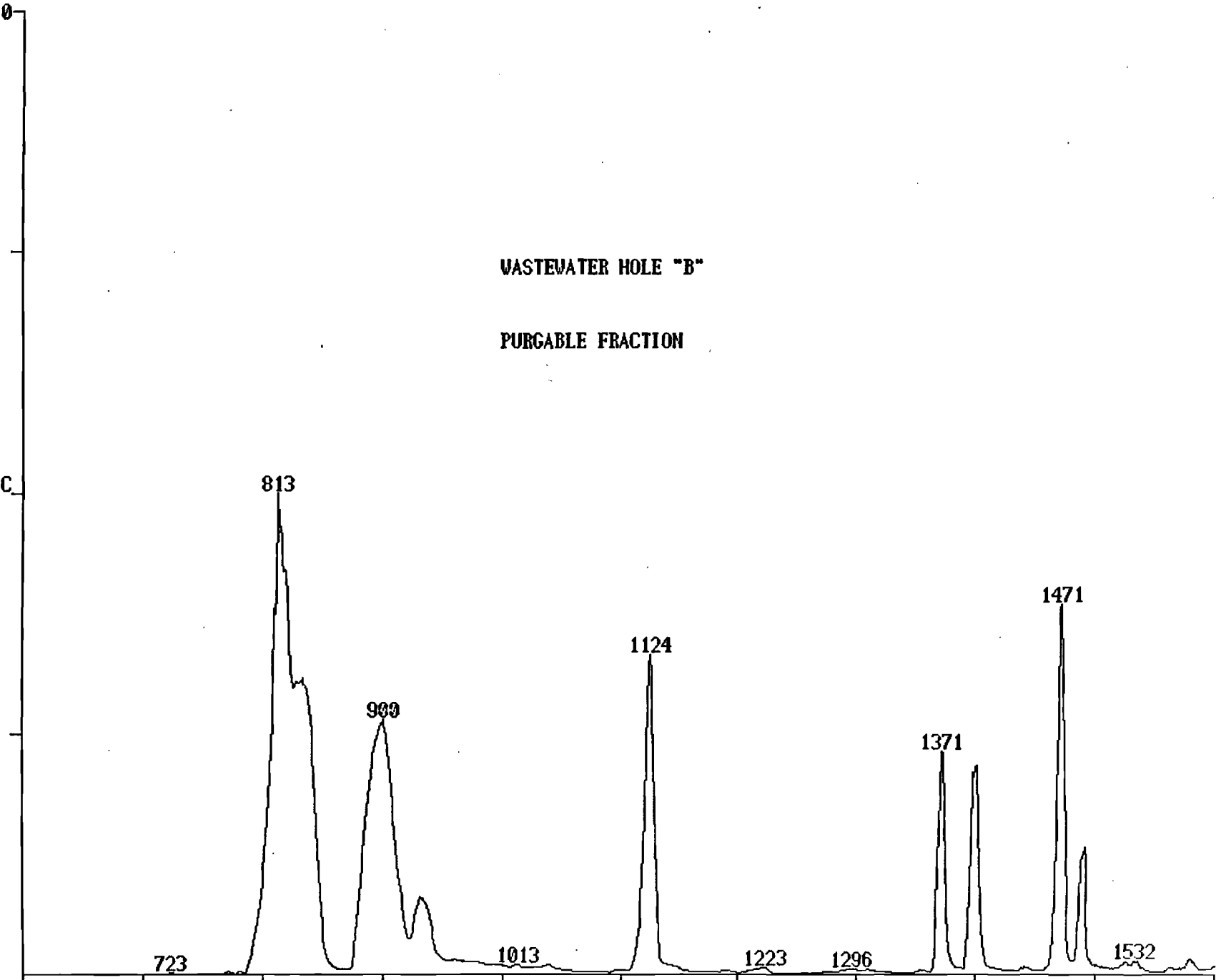


200.0

WASTEWATER HOLE "B"

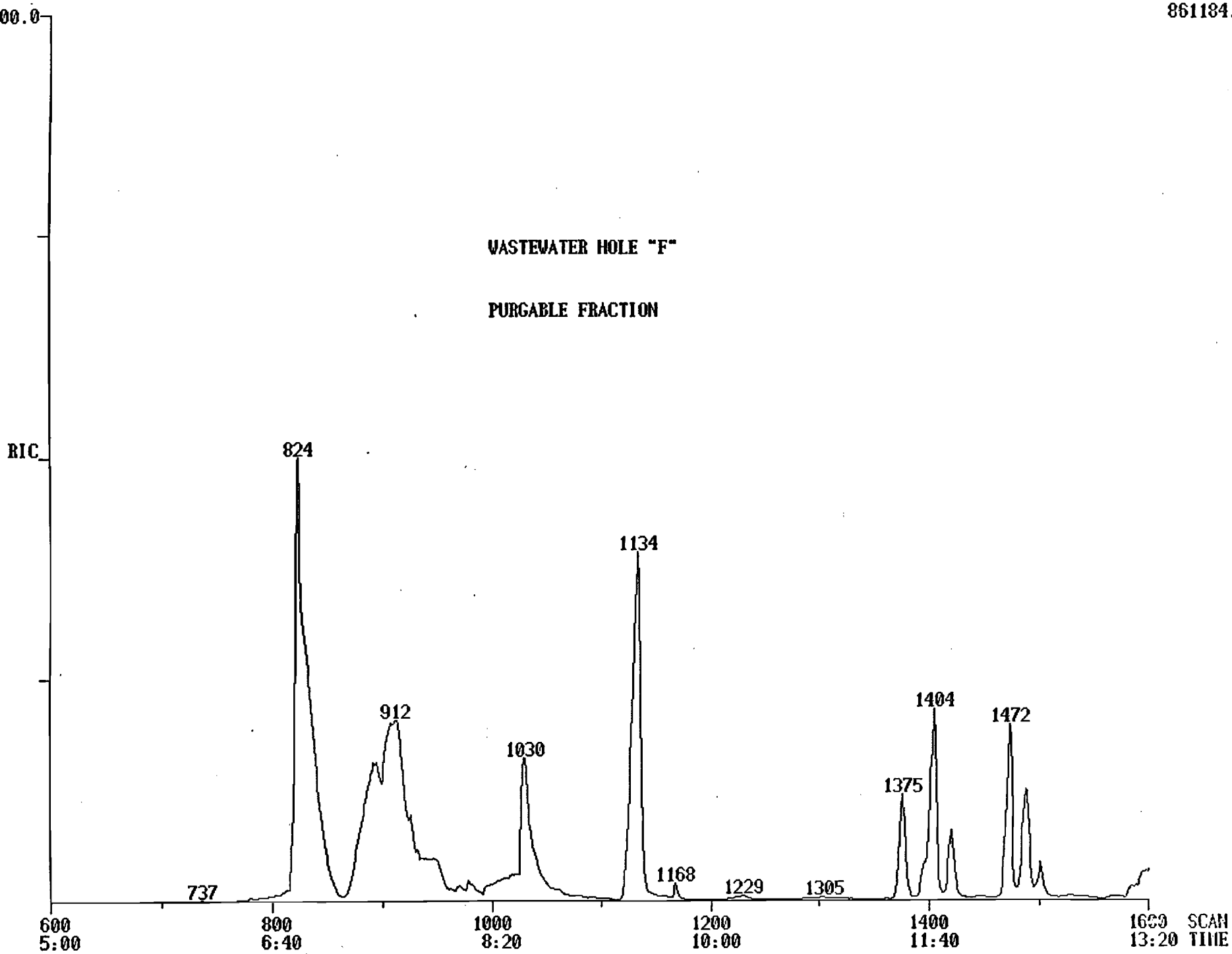
PURGABLE FRACTION

RIC

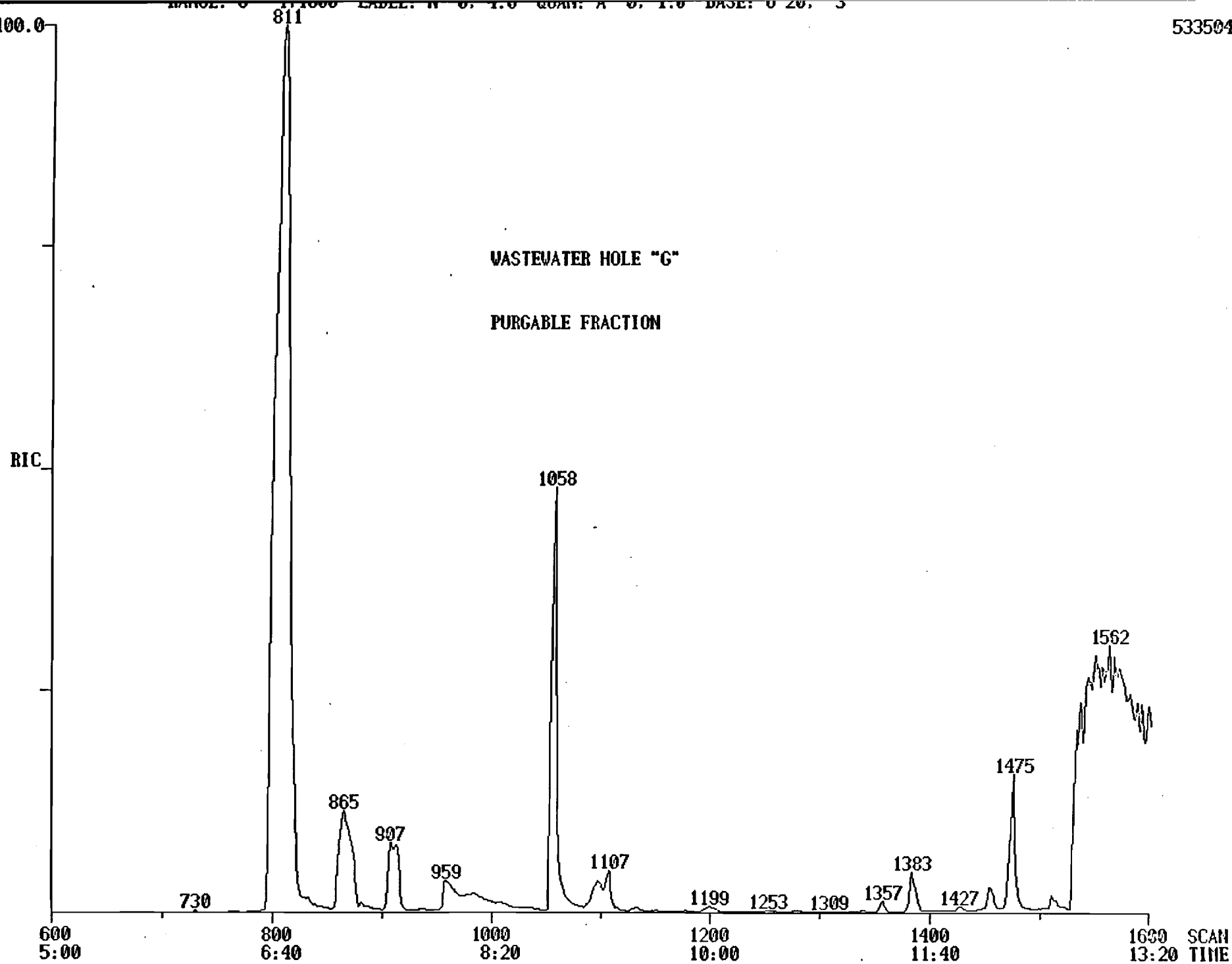


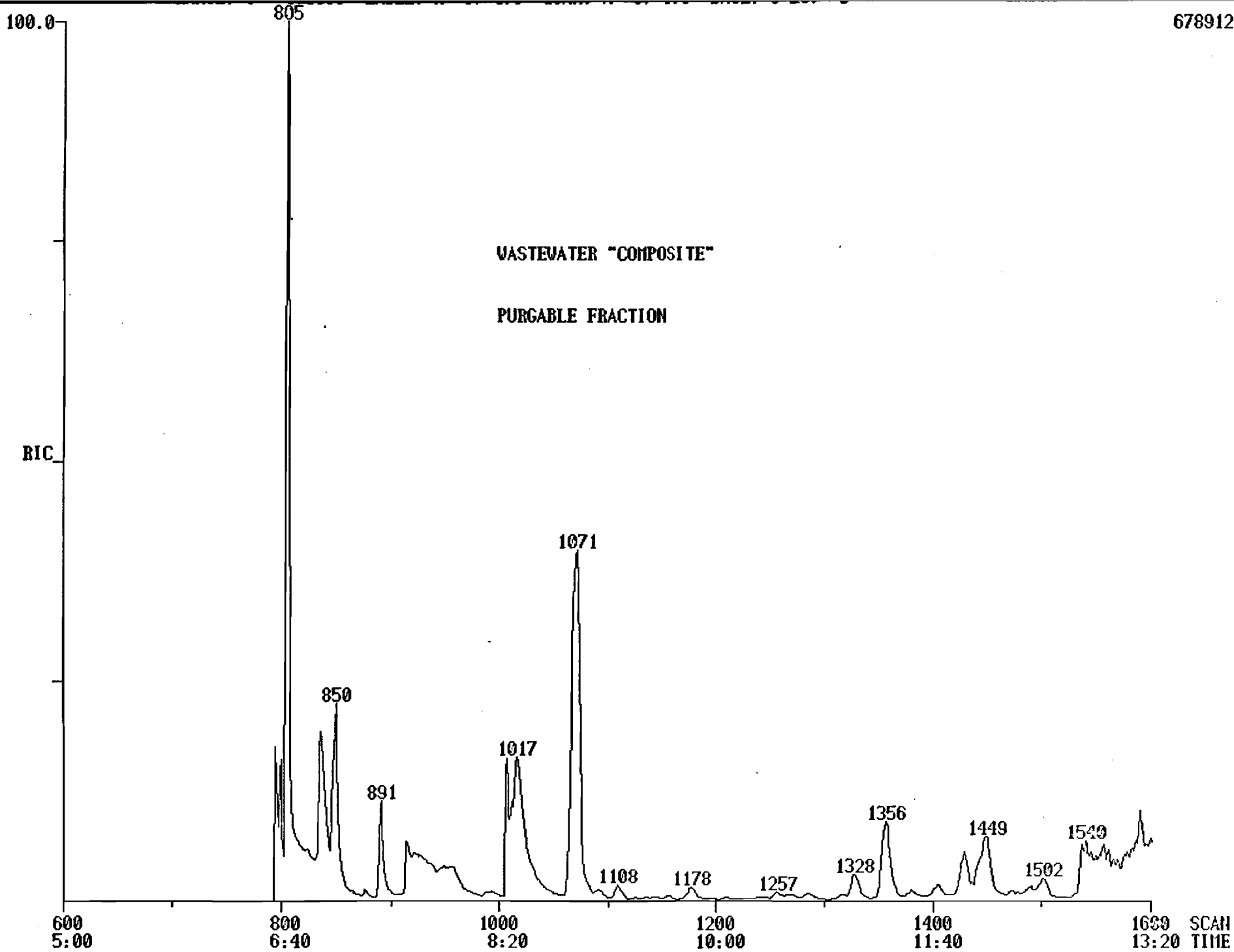
600 5:00 800 6:40 1000 8:20 1200 10:00 1400 11:40 1600 13:20 SCAN TIME

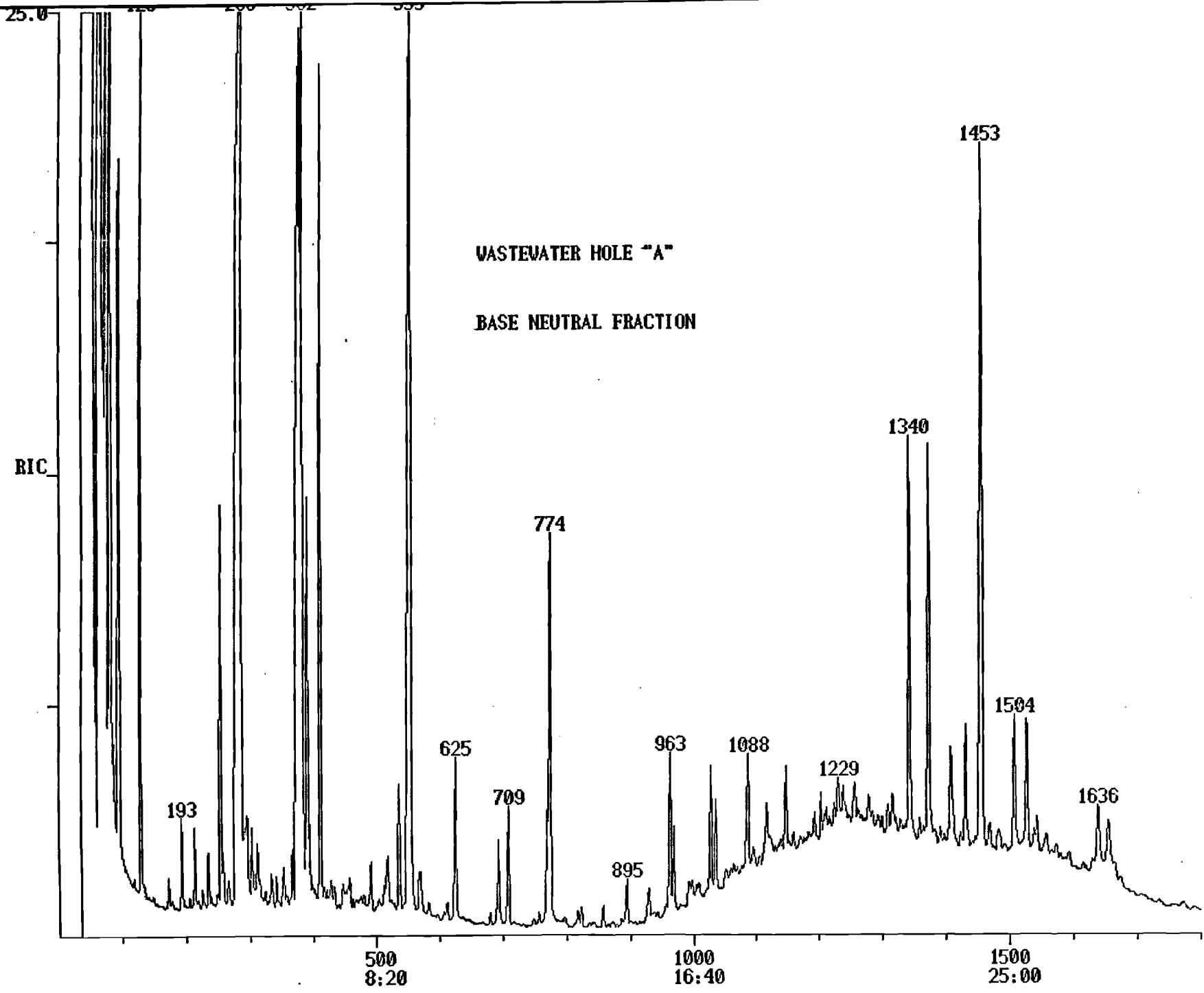
WASTEWATER HOLE "F"
PURGABLE FRACTION



600 5:00 800 6:40 1000 8:20 1200 10:00 1400 11:40 1600 13:20 SCAN TIME







WASTEWATER HOLE "A"
BASE NEUTRAL FRACTION

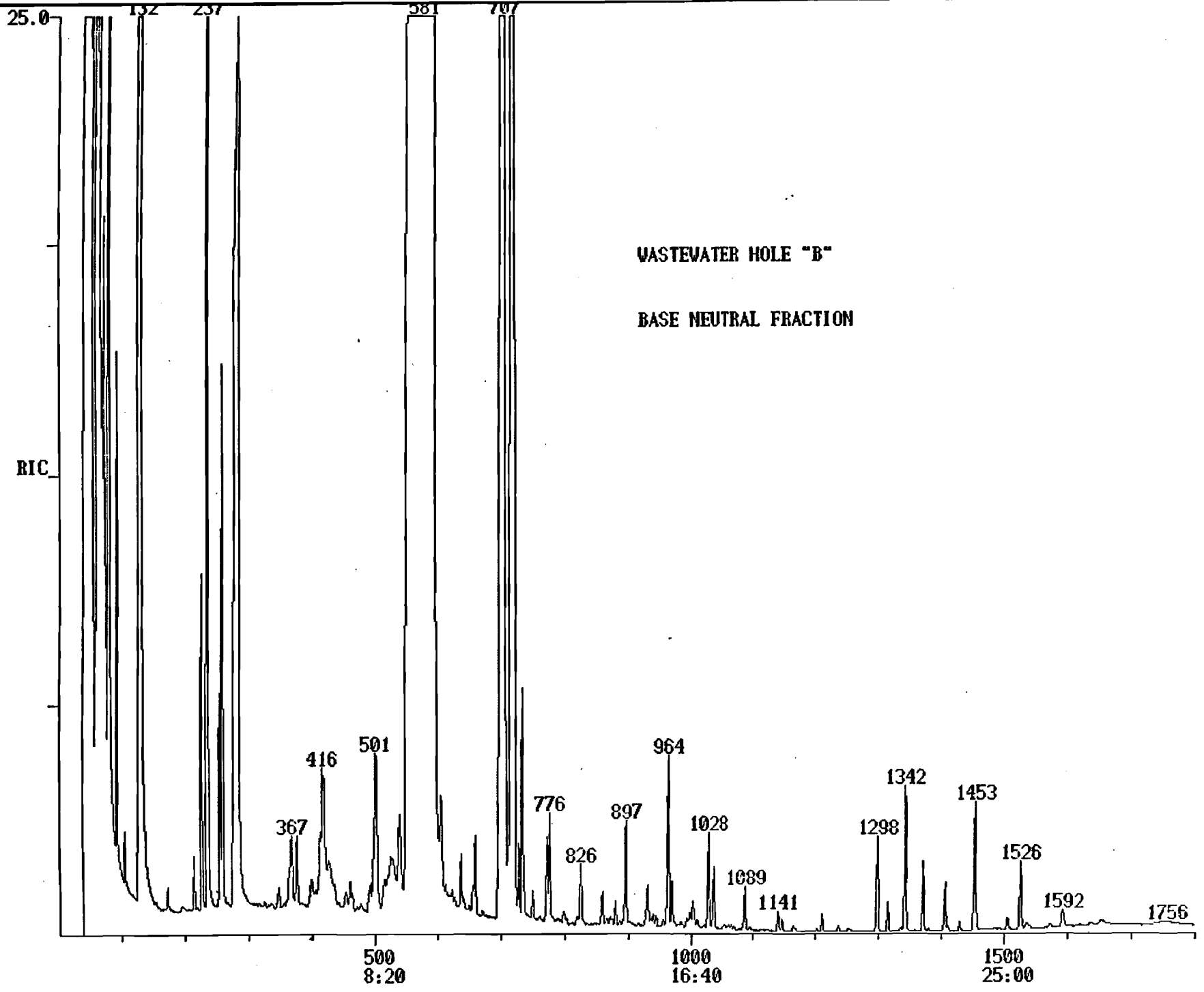
RIC

SCAN
TIME

500
8:20

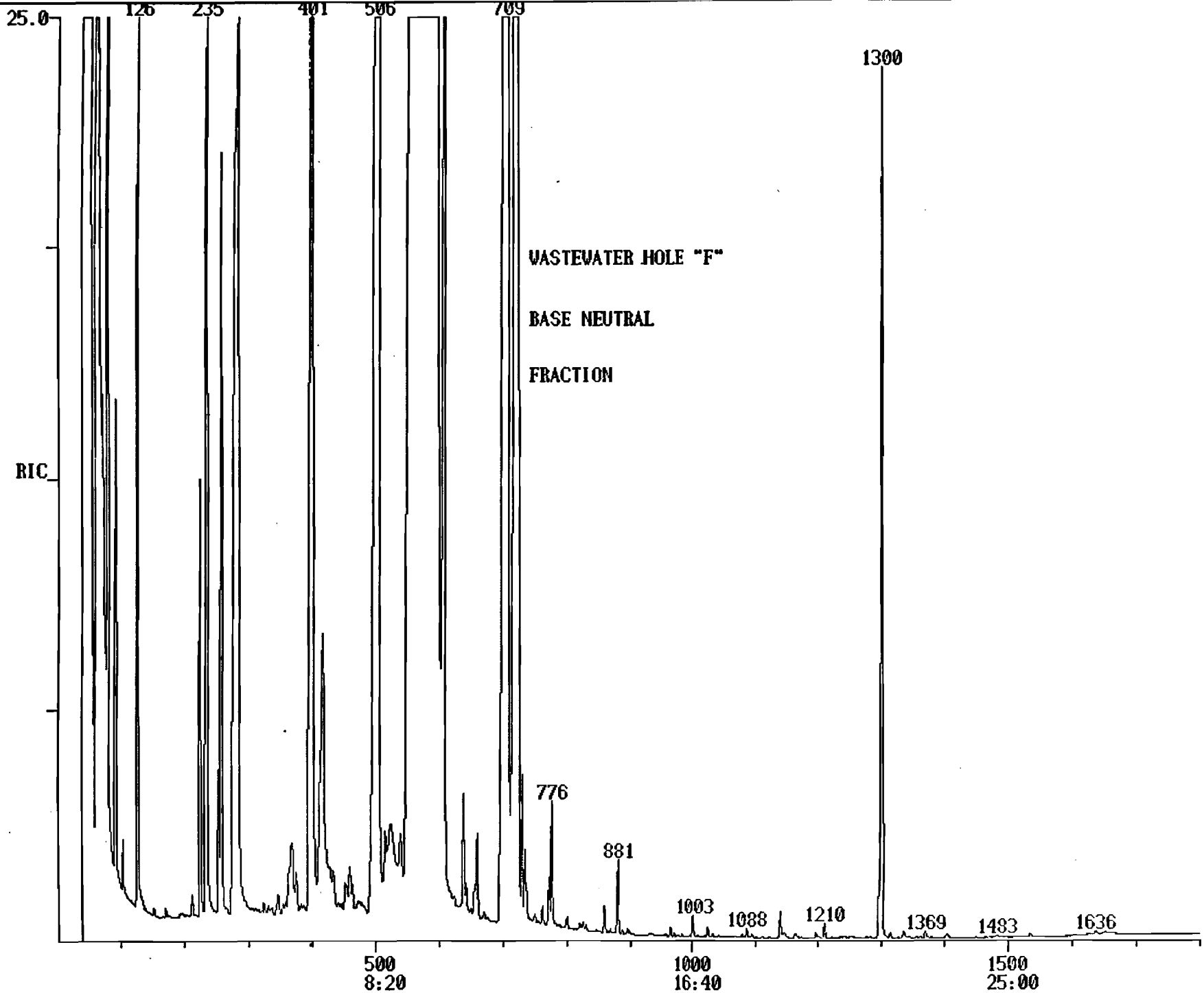
1000
16:40

1500
25:00



WASTEWATER HOLE "B"
BASE NEUTRAL FRACTION

SCAN
TIME



WASTEWATER HOLE "F"
BASE NEUTRAL
FRACTION

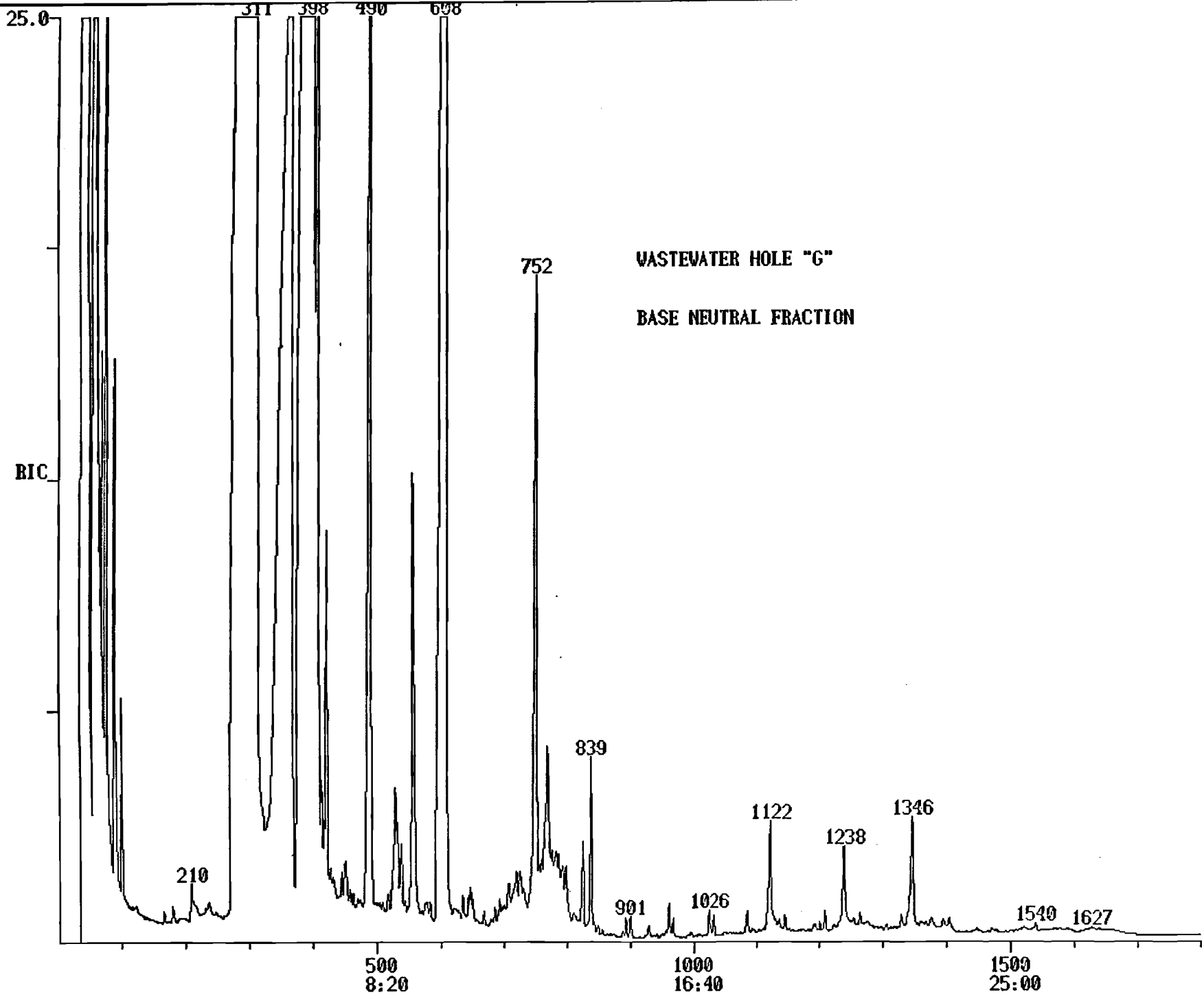
RIC

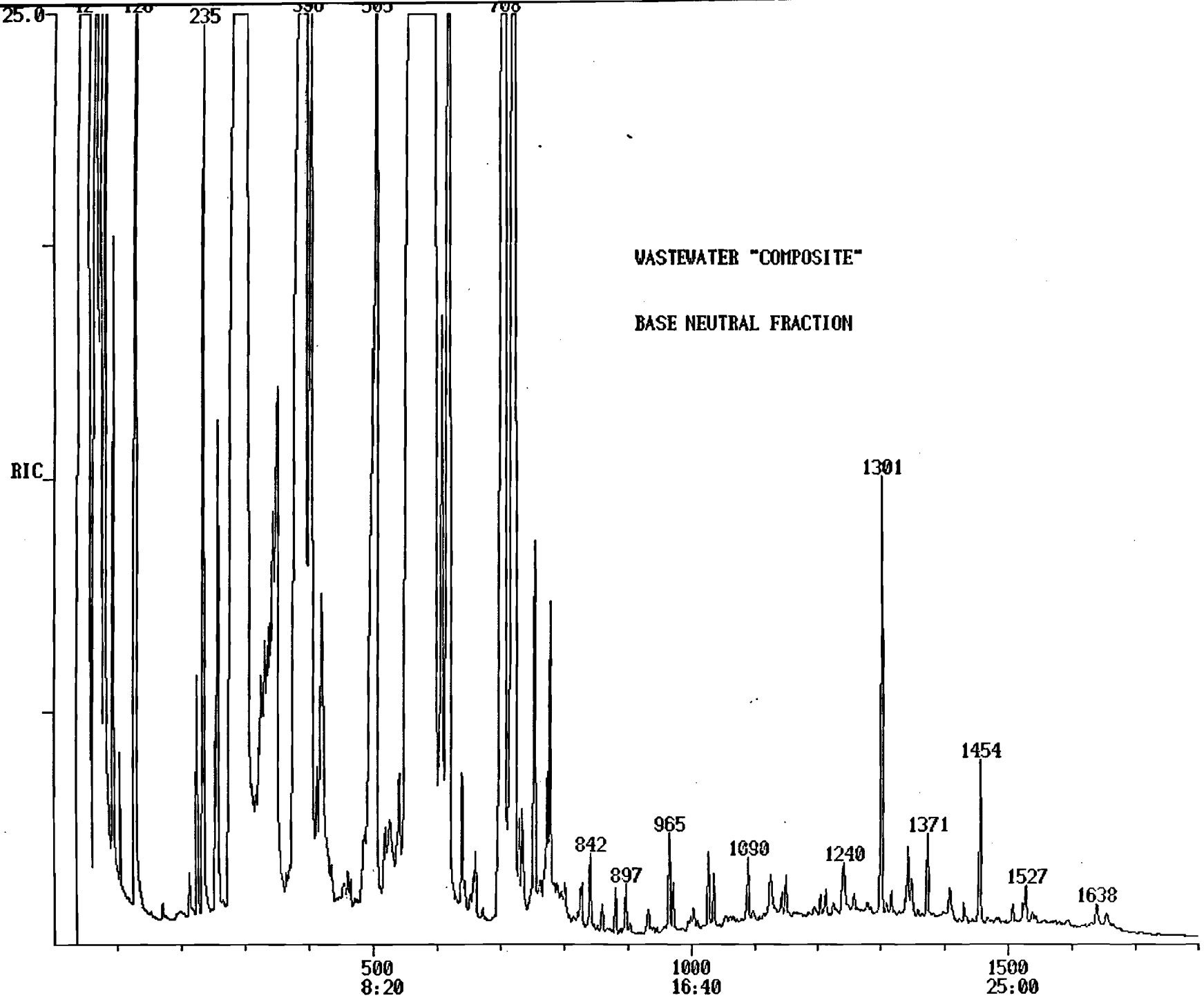
SCAN
TIME

500
8:20

1000
16:40

1500
25:00





WASTEWATER "COMPOSITE"
BASE NEUTRAL FRACTION

RIC

SCAN
TIME

25.0

41

RIC

WASTEWATER HOLE "A"

ACID FRACTION

128

285

212

334

383

460

559

631

713

779

826

898

966

1030

1092

1127

200
3:20

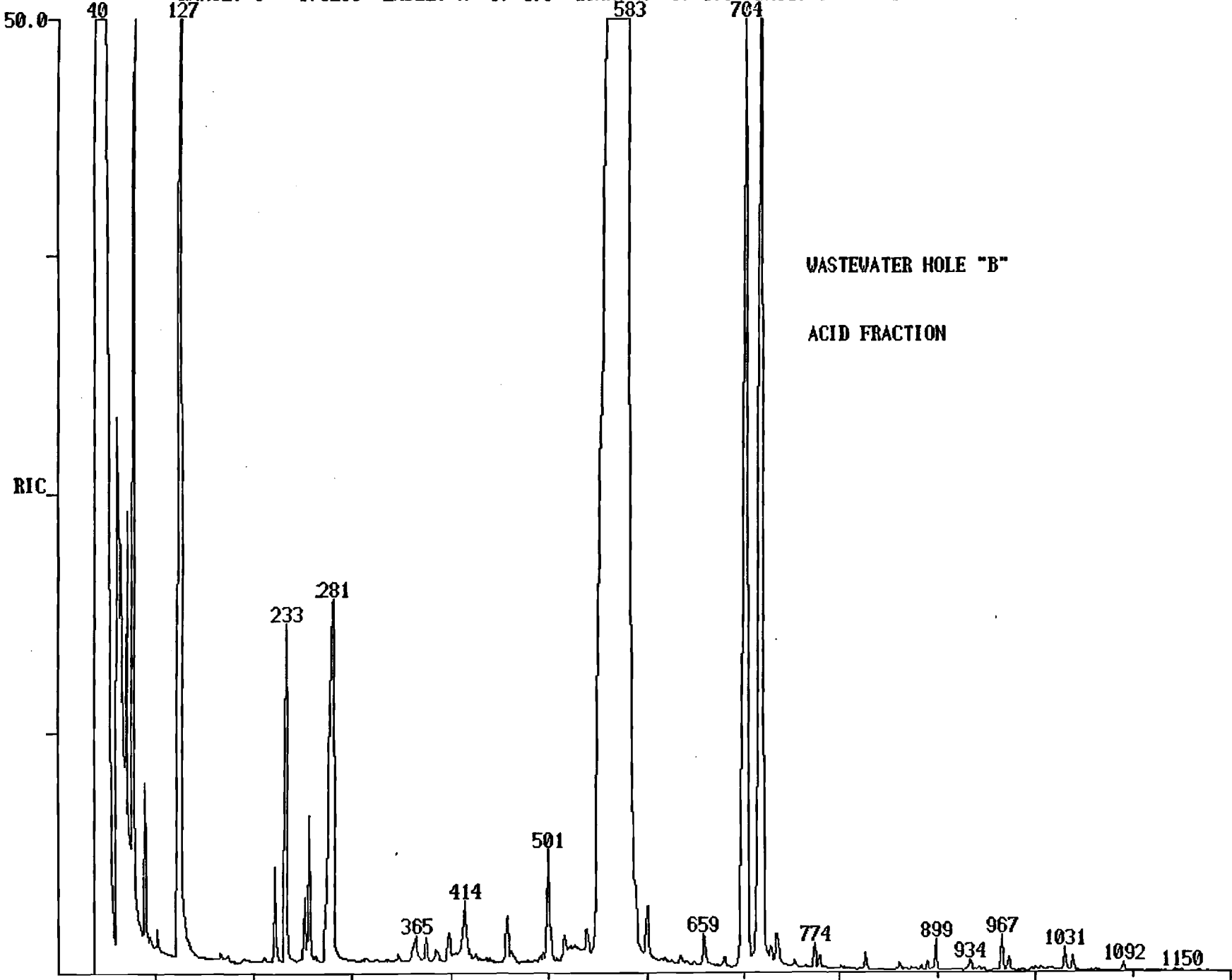
400
6:40

600
10:00

800
13:20

1000
16:40

1200 SCAN
20:00 TIME

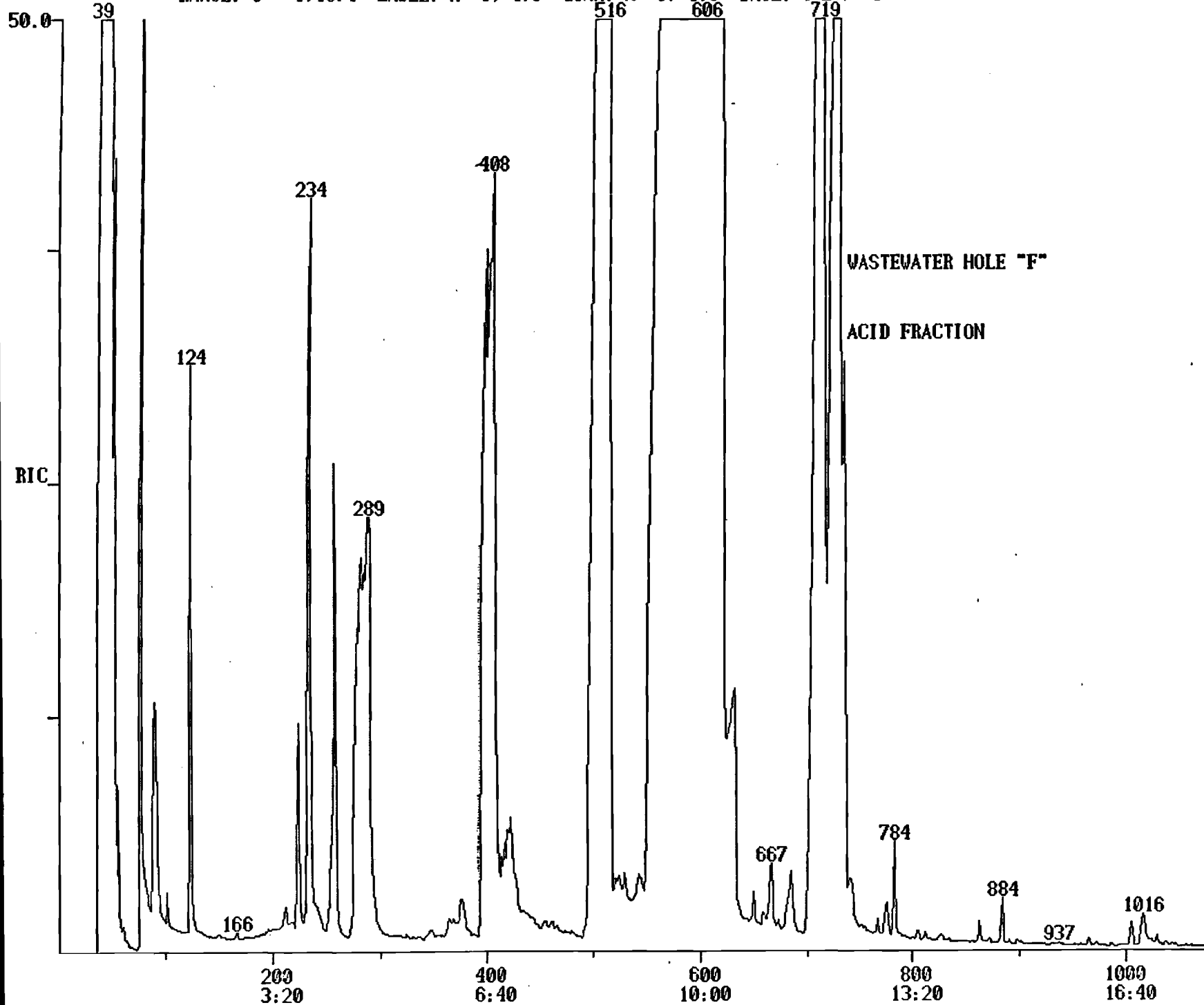


WASTEWATER HOLE "B"

ACID FRACTION

RIC

200 3:20 400 6:40 600 10:00 800 13:20 1000 16:40 1200 20:00 SCAN TIME

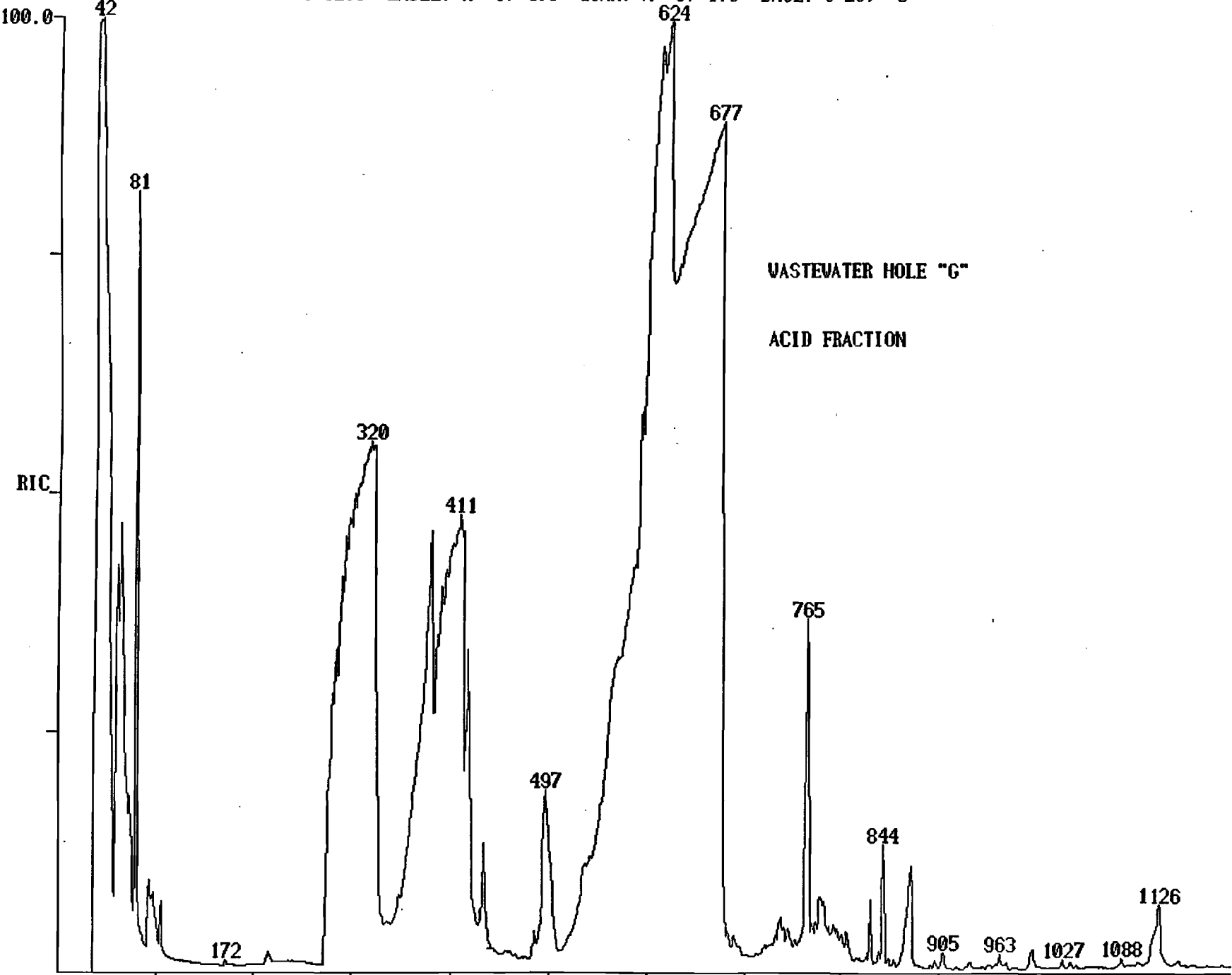


WASTEWATER HOLE "F"
ACID FRACTION

RIC

209 3:20 400 6:40 600 10:00 800 13:20 1000 16:40

SCAN
TIME

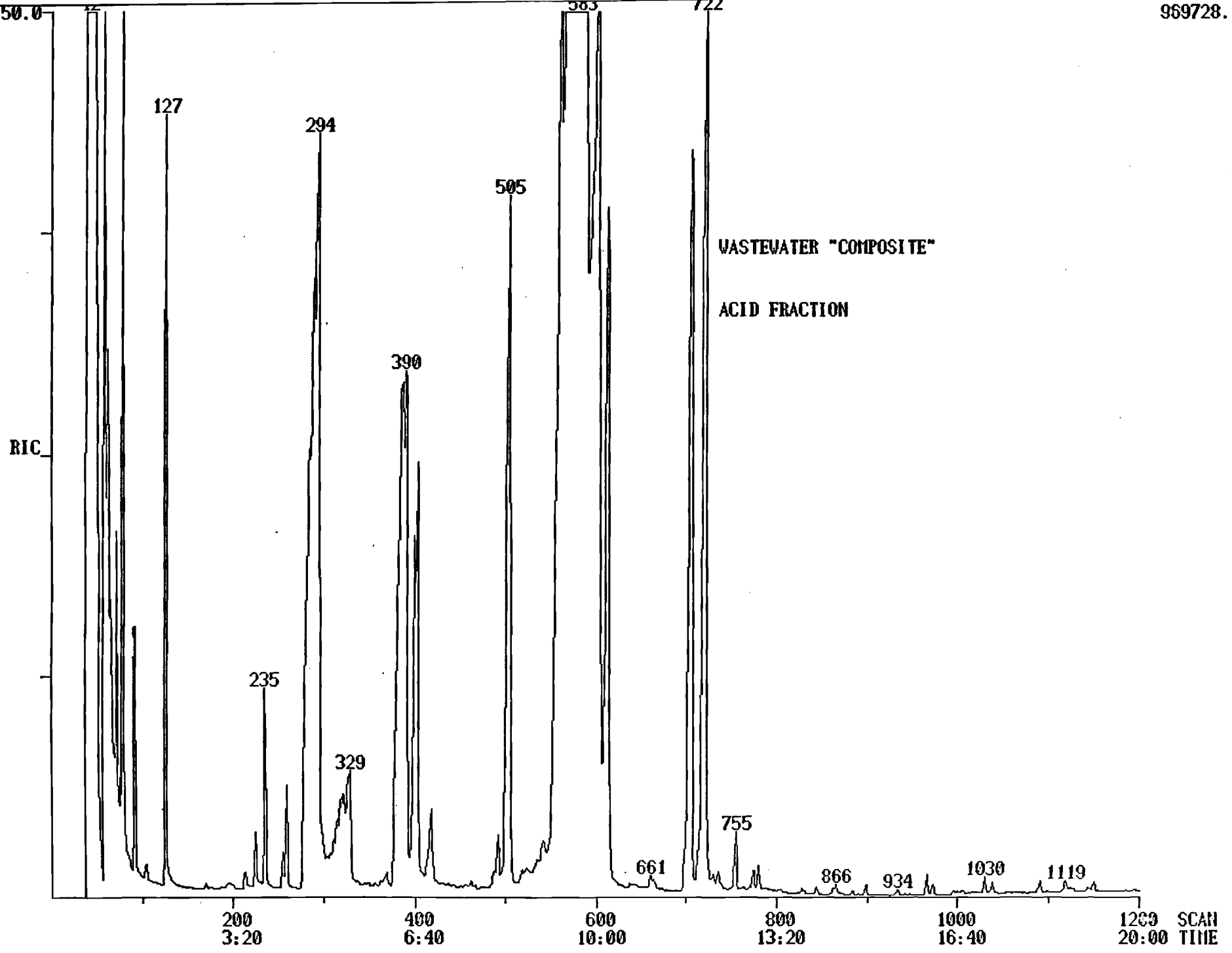


WASTEWATER HOLE "G"

ACID FRACTION

RIC

200 3:20 400 6:40 600 10:00 800 13:20 1000 16:40 1200 20:00 SCAN TIME



ANALYSIS OF PRIORITY POLLUTANTS
IN INDUSTRIAL WASTEWATERS

by

Maurizio F. Giabbai

School of Civil Engineering
Georgia Institute of Technology
Atlanta, GA 30332

Project Officer
David L. Russell

Lockwood Greene Engineers, Inc.
1330 W. Peachtree St., N. W.
Atlanta, GA 30367

February 1985

BASE NEUTRAL PRIORITY POLLUTANTS

COMPOUND	SAMPLE	(AMOUNT $\mu\text{g/l}$)
	2/7/85	
Acenaphthene	ND	
Benzidine	ND	
1,2,4-Trichlorobenzene	ND	
Hexachlorobenzene	ND	
Hexachloroethane	ND	
bis(Chloromethyl)ether	ND	
bis(2-Chloroethyl)ether	ND	
2-Chloronaphthalene	ND	
1,2-Dichlorobenzene	ND	
1,3-Dichlorobenzene	ND	
1,4-Dichlorobenzene	ND	
3,3'-Dichlorobenzidine	ND	
2,4-Dinitrotoluene	ND	
2,6-Dinitrotoluene	ND	
1,2-Diphenylhydrazine	ND	
Fluoranthene	ND	
4-Chlorophenylphenylether	ND	
4-Bromophenylphenylether	ND	
bis(2-Chloroisopropyl)ether	ND	
bis(2-Chloroethoxy)methane	ND	
Hexachlorobutadiene	ND	
Hexachlorocyclopentadiene	ND	
Isophorone	ND	
Naphthalene	6.2	
Nitrobenzene	ND	

BASE NEUTRAL PRIORITY POLLUTANTS

Page 2

COMPOUND	SAMPLE		(AMOUNT $\mu\text{g/l}$)			
	2/7/85	"A"	"B"	"F"	"G"	
N-Nitrosodimethylamine	ND					
N-Nitrosodiphenylamine	ND					
N-Nitroso-di-n-propylamine	ND					
bis(2-Ethylhexyl)phthalate	ND					
Butylbenzylphthalate	565.6	NQ	146.1	4,484.6	118.8	
di-n-Butylphthalate	NQ					
di-n-Octylphthalate	ND					
Diethylphthalate	109.0					
Dimethylphthalate	ND					
Benzo(a)anthracene	ND					
Benzo(a)pyrene	ND					
Benzo(b)fluoranthene	ND					
Benzo(k)fluoranthene	ND					
Chrysene	ND					
Acenaphthylene	ND					
Anthracene	ND					
Benzo(g,h,i)perylene	ND					
Dibenzo(a,h)anthracene	ND					
Indeno(1,2,3-cd)pyrene	ND					
Pyrene	ND					

PHENOL PRIORITY POLLUTANTS

COMPOUND	SAMPLE 2/7/85	(AMOUNT $\mu\text{g/l}$)
Phenol	ND	
2-Chlorophenol	ND	
2-Nitrophenol	ND	
2,4-Dimethylphenol	ND	
2,4-Dichlorophenol	ND	
2,4,6-Trichlorophenol	ND	
2,4-Dinitrophenol	ND	
4-Nitrophenol	ND	
4,6-Dinitro-o-cresol	ND	
Pentachlorophenol	ND	
4-Chloro-m-cresol	ND	

PURGEABLE PRIORITY POLLUTANTS

COMPOUND	SAMPLE	(AMOUNT $\mu\text{g}/\text{l}$)
	2/7/85	
Acrolein		ND
Acrylonitrile		ND
Benzene		2.4
Carbon tetrachloride		ND
Chlorobenzene		ND
1,2-Dichloroethane		ND
1,1,1,-Trichloroethane		1.2
1,1-Dichloroethane		ND
1,1,2,2,-Tetrachloroethane		ND
Chloroform		7.2
1,1-Dichloroethylene		ND
1,2-trans-Dichloroethylene		ND
1,2-Dichloropropane		ND
1,2-Dichloropropylene		ND
Ethylbenzene		31.4
Methylene chloride		19.0
Methyl chloride (Chloromethane)		ND
Methyl bromide (Bromomethane)		ND
Bromoform (Tribromomethane)		ND
Dichlorobromomethane		ND
Trichlorofluoromethane		ND
Dichlorodifluoromethane		ND
Chlorodibromomethane		ND
Tetrachloroethylene		ND
Toluene		90.6
Trichloroethylene		ND
Vinyl chloride (Chloroethylene)		ND
Chloroethane		ND

PESTICIDE PRIORITY POLLUTANTS

COMPOUND	SAMPLE	(AMOUNT $\mu\text{g}/\text{l}$)
	2/7/85	
Aldrin		ND
Dieldrin		ND
Chlordane		ND
4,4'-DDT		ND
4,4'-DDD		ND
4,4'-DDE		ND
α -Endosulfan		ND
β -Endosulfan		ND
Endosulfan sulfate		ND
Endrin		ND
Endrin aldehyde		ND
Heptachlor		ND
Heptachlor epoxide		ND
α -BHC		ND
β -BHC		ND
γ -BHC		ND
δ -BHC		ND
Toxaphene		ND
Aroclor 1242		ND
Aroclor 1254		ND
Aroclor 1221		ND
Aroclor 1232		ND
Aroclor 1248		ND
Aroclor 1260		ND
Aroclor 1016		ND
2,3,7,8-Tetrachlorodi- benzo-p-dioxin		ND

2-10-85
IN CONFIDENCE

ANALYSIS OF PRIORITY POLLUTANTS
IN INDUSTRIAL WASTEWATERS

by

Maurizio F. Giabbai

School of Civil Engineering
Georgia Institute of Technology
Atlanta, GA 30332

Project Officer
David L. Russell

Lockwood Greene Engineers, Inc.
1330 W. Peachtree Street, NW
Atlanta, GA 30367

March 1985

Sample Received on: March 8, 1985

Analysis Completed on: March 20, 1985

Analysts: J. S. Kim and M. F. Giabbai

Approved: M. F. Giabbai

BASE NEUTRAL PRIORITY POLLUTANTS

COMPOUND	SAMPLE 3/7	(AMOUNT $\mu\text{g/l}$)
Acenaphthene	ND	
Benzidine	ND	
1,2,4-Trichlorobenzene	ND	
Hexachlorobenzene	ND	
Hexachloroethane	ND	
bis(Chloromethyl)ether	ND	
bis(2-Chloroethyl)ether	ND	
2-Chloronaphthalene	ND	
1,2-Dichlorobenzene	ND	
1,3-Dichlorobenzene	ND	
1,4-Dichlorobenzene	ND	
3,3'-Dichlorobenzidine	ND	
2,4-Dinitrotoluene	ND	
2,6-Dinitrotoluene	ND	
1,2-Diphenylhydrazine	ND	
Fluoranthene	ND	
4-Chlorophenylphenylether	ND	
4-Bromophenylphenylether	ND	
bis(2-Chloroisopropyl)ether	ND	
bis(2-Chloroethoxy)methane	ND	
Hexachlorobutadiene	ND	
Hexachlorocyclopentadiene	ND	
Isophorone	ND	
Naphthalene	ND	
Nitrobenzene	ND	

BASE NEUTRAL PRIORITY POLLUTANTS

Page 2

COMPOUND	SAMPLE						(AMOUNT g/l)	
	3/7	"A"	"B"	"F"	"F1"	"G"		
N-Nitrosodimethylamine	ND							
N-Nitrosodiphenylamine	ND							
N-Nitroso-di-n-propylamine	ND							
bis(2-Ethylhexyl) phthalate	ND							
Butylbenzylphthalate	224.5	10.4	1,258.9	2,050.1	376.3	152.8		
di-n-Butylphthalate	1.2							
di-n-Octylphthalate	ND							
Diethylphthalate	64.8							
Dimethylphthalate	ND							
Benzo(a)anthracene	ND							
Benzo(a)pyrene	ND							
Benzo(b)fluoranthene	ND							
Benzo(k)fluoranthene	ND							
Chrysene	ND							
Acenaphthylene	ND							
Anthracene	ND							
Phenanthrene	ND							
Benzo(g,h,i)perylene	ND							
Dibenzo(a,h)anthracene	ND							
Indeno(1,2,3-cd)pyrene	ND							
Pyrene	ND							

*F = Before filtration on 0.45 µm filter.

F1 = After filtration on 0.45 µm filter.

PHENOL PRIORITY POLLUTANTS

COMPOUND	SAMPLE	(Amount $\mu\text{g}/\text{l}$)
	3/7	
Phenol	ND	
2-Chlorophenol	ND	
2-Nitrophenol	ND	
2,4-Dimethylphenol	ND	
2,4-Dichlorophenol	ND	
2,4,6-Trichlorophenol	ND	
2,4-Dinitrophenol	ND	
4-Nitrophenol	ND	
4,6-Dinitro-o-cresol	ND	
Pentachlorophenol	ND	
4-Chloro-m-cresol	ND	

PURGEABLE PRIORITY POLLUTANTS

COMPOUND	SAMPLE	(AMOUNT $\mu\text{g/l}$)
	3/7	
Acrolein	ND	
Acrylonitrile	ND	
Benzene	2.2	
Carbon tetrachloride	ND	
Chlorobenzene	ND	
1,2-Dichloroethane	ND	
1,1,1,-Trichloroethane	3.4	
1,1-Dichloroethane	ND	
1,1,2,2,-Tetrachloroethane	ND	
Chloroform	7.8	
1,1-Dichloroethylene	ND	
1,2-trans-Dichloroethylene	ND	
1,2-Dichloropropane	ND	
1,2-Dichloropropylene	ND	
Ethylbenzene	30.1	
Methylene chloride	195.5	
Methyl chloride (Chloromethane)	ND	
Methyl bromide (Bromomethane)	ND	
Bromoform (Tribromomethane)	ND	
Dichlorobromomethane	3.7	
Trichlorofluoromethane	ND	
Dichlorodifluoromethane	ND	
Chlorodibromomethane	ND	
Tetrachloroethylene	NQ	
Toluene	100.8	
Trichloroethylene	3.8	
Vinyl chloride (Chloroethylene)	ND	
Chloroethane	ND	

PESTICIDE PRIORITY POLLUTANTS

COMPOUND	SAMPLE	(AMOUNT	g/l)
	3/7		
Aldrin	ND		
Dieldrin	ND		
Chlordane	ND		
4,4'-DDT	ND		
4,4'-DDD	ND		
4,4'-DDE	ND		
α -Endosulfan	ND		
β -Endosulfan	ND		
Endosulfan sulfate	ND		
Endrin	ND		
Endrin aldehyde	ND		
Heptachlor	ND		
Heptachlor epoxide	ND		
α -BHC	ND		
β -BHC	ND		
γ -BHC	ND		
δ -BHC	ND		
Toxaphene	ND		
Aroclor 1242	ND		
Aroclor 1254	ND		
Aroclor 1221	ND		
Aroclor 1232	ND		
Aroclor 1248	ND		
Aroclor 1260	ND		
Aroclor 1016	ND		
2,3,7,8-Tetrachlorodi- benzo-p-dioxin	ND		

FINAL REPORT

E-20-658
IN CONFIDENCE

Restriction
no longer
in effect
2-15-96

nb

**ANALYSIS OF PRIORITY POLLUTANTS
IN INDUSTRIAL WASTEWATERS**

By

Maurizio F. Giabai

Prepared for

LOCKWOOD GREENE ENGINEERS, INC.

1330 W. Peachtree Street, N.W.

Atlanta, GA 30367

OCTOBER 1984

GEORGIA INSTITUTE OF TECHNOLOGY

A UNIT OF THE UNIVERSITY SYSTEM OF GEORGIA

SCHOOL OF CIVIL ENGINEERING

ATLANTA, GEORGIA 30332



ANALYSIS OF PRIORITY POLLUTANTS
IN INDUSTRIAL WASTEWATERS

by

Maurizio F. Giabbai

School of Civil Engineering
Georgia Institute of Technology
Atlanta, GA 30332

Project Officer
David L. Russell

Lockwood Greene Engineers, Inc.
1330 W. Peachtree St., N. W.
Atlanta, GA 30367

October 1984

PURGEABLE PRIORITY POLLUTANTS

COMPOUND	SAMPLE	(AMOUNT $\mu\text{g}/\text{l}$)
	7/25	
Acrolein	ND	
Acrylonitrile	ND	
Benzene	ND	
Carbon tetrachloride	ND	
Chlorobenzene	ND	
1,2-Dichloroethane	ND	
1,1,1,-Trichloroethane	ND	
1,1-Dichloroethane	ND	
1,1,2,2,-Tetrachloroethane	ND	
Chloroform	13.3	
1,1-Dichloroethylene	ND	
1,2-trans-Dichloroethylene	ND	
1,2-Dichloropropane	ND	
1,2-Dichloropropylene	ND	
Ethylbenzene	3.2	
Methylene chloride	12.1	
Methyl chloride (Chloromethane)	ND	
Methyl bromide (Bromomethane)	ND	
Bromoform (Tribromomethane)	ND	
Dichlorobromomethane	ND	
Trichlorofluoromethane	ND	
Dichlorodifluoromethane	ND	
Chlorodibromomethane	ND	
Tetrachloroethylene	ND	
Toluene	34.9	
Trichloroethylene	ND	
Vinyl chloride (Chloroethylene)	ND	
Chloroethane	ND	

ND = Not detected

Lower Detection Limit = 0.5-1 $\mu\text{g}/\text{L}$

BASE NEUTRAL PRIORITY POLLUTANTS

COMPOUND	SAMPLE	(AMOUNT $\mu\text{g}/\text{l}$)
	7/25	
Acenaphthene	ND	
Benzidine	ND	
1,2,4-Trichlorobenzene	ND	
Hexachlorobenzene	ND	
Hexachloroethane	ND	
bis(Chloromethyl)ether	ND	
bis(2-Chloroethyl)ether	ND	
2-Chloronaphthalene	ND	
1,2-Dichlorobenzene	ND	
1,3-Dichlorobenzene	ND	
1,4-Dichlorobenzene	ND	
3,3'-Dichlorobenzidine	ND	
2,4-Dinitrotoluene	ND	
2,6-Dinitrotoluene	ND	
1,2-Diphenylhydrazine	ND	
Fluoranthene	ND	
4-Chlorophenylphenylether	ND	
4-Bromophenylphenylether	ND	
bis(2-Chloroisopropyl)ether	ND	
bis(2-Chloroethoxy)methane	ND	
Hexachlorobutadiene	ND	
Hexachlorocyclopentadiene	ND	
Isophorone	ND	
Naphthalene	ND	
Nitrobenzene	ND	

Lower Detection Limit = 1-5 $\mu\text{g}/\text{L}$

BASE NEUTRAL PRIORITY POLLUTANTS

Page 2

COMPOUND	SAMPLE 7/25	(AMOUNT $\mu\text{g}/\text{l}$)
N-Nitrosodimethylamine	ND	
N-Nitrosodiphenylamine	ND	
N-Nitroso-di-n-propylamine	ND	
bis(2-Ethylhexyl) phthalate	10	
Butylbenzylphthalate	8	
di-n-Butylphthalate	4	
di-n-Octylphthalate	ND	
Diethylphthalate	666	
Dimethylphthalate	ND	
Benzo(a)anthracene	ND	
Benzo(a)pyrene	ND	
Benzo(b)fluoranthene	ND	
Benzo(k)fluoranthene	ND	
Chrysene	ND	
Acenaphthylene	ND	
Anthracene	ND	
Benzo(g,h,i)perylene	ND	
Dibenzo(a,h)anthracene	ND	
Indeno(1,2,3-cd)pyrene	ND	
Pyrene	ND	

ND = Not detected

Lower Detection Limit = 1-5 $\mu\text{g}/\text{L}$

PHENOL PRIORITY POLLUTANTS

COMPOUND	SAMPLE 7/25	(AMOUNT $\mu\text{g}/\text{l}$)
Phenol	ND	
2-Chlorophenol	ND	
2-Nitrophenol	10	
2,4-Dimethylphenol	ND	
2,4-Dichlorophenol	ND	
2,4,6-Trichlorophenol	ND	
2,4-Dinitrophenol	ND	
4-Nitrophenol	ND	
4,6-Dinitro-o-cresol	ND	
Pentachlorophenol	100	
4-Chloro-m-cresol	ND	

ND = Not detected

Lower Detection Limit = 5 $\mu\text{g}/\text{L}$

PESTICIDE PRIORITY POLLUTANTS

COMPOUND	SAMPLE	(AMOUNT $\mu\text{g}/\text{l}$)
	7/25	
Aldrin	ND	
Dieldrin	ND	
Chlordane	ND	
4,4'-DDT	ND	
4,4'-DDD	ND	
4,4'-DDE	ND	
α -Endosulfan	ND	
β -Endosulfan	ND	
Endosulfan sulfate	ND	
Endrin	ND	
Endrin aldehyde	ND	
Heptachlor	ND	
Heptachlor epoxide	ND	
α -BHC	ND	
β -BHC	ND	
γ -BHC	ND	
δ -BHC	ND	
Toxaphene	ND	
Aroclor 1242	ND	
Aroclor 1254	ND	
Aroclor 1221	ND	
Aroclor 1232	ND	
Aroclor 1248	ND	
Aroclor 1260	ND	
Aroclor 1016	ND	
2,3,7,8-Tetrachlorodi- benzo-p-dioxin	ND	

ND = Not detected

Lower Detection Limit = 0.5-5 $\mu\text{g}/\text{L}$

PURGEABLE PRIORITY POLLUTANTS

COMPOUND	SAMPLE 7/31			(AMOUNT $\mu\text{g}/\text{l}$)	
	A	B	D	G	F
Acrolein	ND	ND	ND	ND	ND
Acrylonitrile	ND	ND	ND	ND	ND
Benzene	ND	2.3	65.7	1.5	1.7
Carbon tetrachloride	ND	ND	ND	ND	ND
Chlorobenzene	ND	ND	ND	ND	
1,2-Dichloroethane	ND	ND	ND	ND	ND
1,1,1,-Trichloroethane	4.2	ND	1,332.7	1.5	ND
1,1-Dichloroethane	ND	ND	ND	ND	ND
1,1,2,2,-Tetrachloroethane	ND	ND	ND	ND	ND
Chloroform	12.8	15.3	12.2	13.6	23.2
1,1-Dichloroethylene	ND	ND	ND	ND	ND
1,2-trans-Dichloroethylene	ND	ND	ND	ND	ND
1,2-Dichloropropane	ND	ND	ND	ND	ND
1,2-Dichloropropylene	ND	ND	ND	ND	ND
Ethylbenzene	ND	ND	108.5	3.5	27.6
Methylene chloride	24.7	14.3	857.9	16.6	13.5
Methyl chloride (Chloromethane)	ND	ND	ND	ND	ND
Methyl bromide (Bromomethane)	ND	ND	ND	ND	ND
Bromoform (Tribromomethane)	ND	ND	ND	ND	ND
Dichlorobromomethane	ND	ND	ND	ND	ND
Trichlorofluoromethane	ND	ND	2,702.5	ND	ND
Dichlorodifluoromethane	ND	ND	ND	ND	ND
Chlorodibromomethane	ND	ND	ND	ND	ND
Tetrachloroethylene	ND	1.2	1,720.8	0.9	ND
Toluene	3.8	94.5	2,665.5	3.6	151.8
Trichloroethylene	ND	ND	39.7	ND	ND
Vinyl chloride (Chloroethylene)	ND	ND	ND	ND	ND
Chloroethane	ND	ND	ND	ND	ND

ND = Not detected

Lower Detection Limit = 0.5-1 $\mu\text{g}/\text{L}$

BASE NEUTRAL PRIORITY POLLUTANTS

COMPOUND	SAMPLE "COMPOSITE" 7/31	(AMOUNT $\mu\text{g}/\text{l}$)
Acenaphthene	ND	
Benzidine	ND	
1,2,4-Trichlorobenzene	ND	
Hexachlorobenzene	ND	
Hexachloroethane	ND	
bis(Chloromethyl)ether	ND	
bis(2-Chloroethyl)ether	ND	
2-Chloronaphthalene	ND	
1,2-Dichlorobenzene	ND	
1,3-Dichlorobenzene	ND	
1,4-Dichlorobenzene	ND	
3,3'-Dichlorobenzidine	ND	
2,4-Dinitrotoluene	ND	
2,6-Dinitrotoluene	ND	
1,2-Diphenylhydrazine	ND	
Fluoranthene	ND	
4-Chlorophenylphenylether	ND	
4-Bromophenylphenylether	ND	
bis(2-Chloroisopropyl)ether	ND	
bis(2-Chloroethoxy)methane	ND	
Hexachlorobutadiene	ND	
Hexachlorocyclopentadiene	ND	
Isophorone	ND	
Naphthalene	27	
Nitrobenzene	ND	

Lower Detection Limit = 1-5 $\mu\text{g}/\text{L}$

BASE NEUTRAL PRIORITY POLLUTANTS

Page 2

COMPOUND	SAMPLE "COMPOSITE" 7/31	(AMOUNT $\mu\text{g}/\text{l}$)
N-Nitrosodimethylamine	ND	
N-Nitrosodiphenylamine	ND	
N-Nitroso-di-n-propylamine	ND	
bis(2-Ethylhexyl) phthalate	22	
Butylbenzylphthalate	100	
di-n-Butylphthalate	56	
di-n-Octylphthalate	ND	
Diethylphthalate	48	
Dimethylphthalate	ND	
Benzo(a)anthracene	ND	
Benzo(a)pyrene	ND	
Benzo(b)fluoranthene	ND	
Benzo(k)fluoranthene	ND	
Chrysene	ND	
Acenaphthylene	ND	
Anthracene	7	
Benzo(g,h,i)perylene	ND	
Dibenzo(a,h)anthracene	ND	
Indeno(1,2,3-cd)pyrene	ND	
Pyrene	ND	

ND = Not detected

Lower Detection Limit = 1-5 $\mu\text{g}/\text{L}$

PHENOL PRIORITY POLLUTANTS

COMPOUND	SAMPLE "COMPOSITE" 7/31	(AMOUNT $\mu\text{g/l}$)
Phenol	ND	
2-Chlorophenol	ND	
2-Nitrophenol	ND	
2,4-Dimethylphenol	ND	
2,4-Dichlorophenol	ND	
2,4,6-Trichlorophenol	ND	
2,4-Dinitrophenol	ND	
4-Nitrophenol	ND	
4,6-Dinitro-o-cresol	ND	
Pentachlorophenol	41	
4-Chloro-m-cresol	ND	

ND = Not detected

Lower Detection Limit = 5 $\mu\text{g/L}$

PESTICIDE PRIORITY POLLUTANTS

COMPOUND	SAMPLE "COMPOSITE"	(AMOUNT $\mu\text{g}/\text{l}$)
	7/31	
Aldrin	ND	
Dieldrin	ND	
Chlordane	ND	
4,4'-DDT	ND	
4,4'-DDD	ND	
4,4'-DDE	ND	
α -Endosulfan	ND	
β -Endosulfan	ND	
Endosulfan sulfate	ND	
Endrin	ND	
Endrin aldehyde	ND	
Heptachlor	ND	
Heptachlor epoxide	ND	
α -BHC	ND	
β -BHC	ND	
γ -BHC	ND	
δ -BHC	ND	
Toxaphene	ND	
Aroclor 1242	ND	
Aroclor 1254	ND	
Aroclor 1221	ND	
Aroclor 1232	ND	
Aroclor 1248	ND	
Aroclor 1260	ND	
Aroclor 1016	ND	
2,3,7,8-Tetrachlorodi- benzo-p-dioxin	ND	

ND = Not detected

Lower Detection Limit = 0.5-5 $\mu\text{g}/\text{L}$

PURGEABLE PRIORITY POLLUTANTS

COMPOUND	SAMPLE "A"			(AMOUNT $\mu\text{g}/\text{l}$)		
	8/8	8/9	8/10	8/13	8/14	8/15
Acrolein	ND	ND	ND	ND	ND	ND
Acrylonitrile	ND	ND	ND	ND	ND	ND
Benzene	ND	ND	ND	ND	ND	ND
Carbon tetrachloride	ND	ND	ND	ND	ND	ND
Chlorobenzene	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	ND	ND	ND	ND	ND	ND
1,1,1,-Trichloroethane	11.0	4.6	4.8	12.1	6.7	2.5
1,1-Dichloroethane	4.8	43.3	6.1	41.7	26.2	5.1
1,1,2,2,-Tetrachloroethane	ND	ND	ND	ND	ND	ND
Chloroform	25.1	40.3	28.0	36.5	52.8	50.2
1,1-Dichloroethylene	ND	ND	ND	ND	ND	ND
1,2-trans-Dichloroethylene	ND	ND	ND	ND	ND	ND
1,2-Dichloropropane	ND	ND	ND	ND	ND	ND
1,2-Dichloropropylene	ND	ND	ND	ND	ND	ND
Ethylbenzene	0.5	1.1	1.0	1.6	ND	1.1
Methylene chloride	16.6	59.0	13.1	59.9	29.8	36.6
Methyl chloride (Chloromethane)	ND	ND	ND	ND	ND	ND
Methyl bromide (Bromomethane)	ND	ND	ND	ND	ND	ND
Bromoform (Tribromomethane)	ND	ND	ND	ND	ND	ND
Dichlorobromomethane	ND	ND	ND	ND	ND	ND
Trichlorofluoromethane	ND	ND	ND	ND	ND	ND
Dichlorodifluoromethane	ND	ND	ND	ND	ND	ND
Chlorodibromomethane	ND	ND	ND	ND	ND	ND
Tetrachloroethylene	ND	ND	ND	50.5	7.7	10.8
Toluene	0.9	6.3	3.2	37.6	3.6	95.1
Trichloroethylene	ND	ND	ND	ND	ND	ND
Vinyl chloride (Chloroethylene)	ND	ND	ND	ND	ND	ND
Chloroethane	0.5	ND	ND	ND	ND	ND

ND = Not detected

Lower Detection Limit = 0.5-1 $\mu\text{g}/\text{L}$

PURGEABLE PRIORITY POLLUTANTS

COMPOUND	SAMPLE "B"			(AMOUNT $\mu\text{g/l}$)		
	8/8	8/9	8/10	8/13	8/14	8/15
Acrolein	ND	ND	ND	ND	ND	ND
Acrylonitrile	ND	ND	ND	ND	ND	ND
Benzene	0.8	0.8	0.6	1.2	ND	1.4
Carbon tetrachloride	ND	ND	ND	ND	ND	ND
Chlorobenzene	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	ND	ND	ND	ND	ND	ND
1,1,1,-Trichloroethane	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	ND	ND	ND	ND	ND	ND
1,1,2,2,-Tetrachloroethane	ND	ND	ND	ND	ND	ND
Chloroform	25.7	27.3	9.3	42.2	46.0	60.1
1,1-Dichloroethylene	ND	ND	ND	ND	ND	ND
1,2-trans-Dichloroethylene	ND	ND	ND	ND	ND	ND
1,2-Dichloropropane	ND	ND	ND	ND	ND	ND
1,2-Dichloropropylene	ND	ND	ND	ND	ND	ND
Ethylbenzene	6.6	14.0	12.0	6.7	15.9	18.8
Methylene chloride	24.0	17.4	21.7	43.9	56.0	48.2
Methyl chloride (Chloromethane)	ND	ND	ND	ND	ND	ND
Methyl bromide (Bromomethane)	ND	ND	ND	ND	ND	ND
Bromoform (Tribromomethane)	ND	ND	ND	ND	ND	ND
Dichlorobromomethane	ND	ND	ND	ND	ND	ND
Trichlorofluoromethane	ND	ND	ND	ND	ND	ND
Dichlorodifluoromethane	ND	ND	ND	ND	ND	ND
Chlorodibromomethane	ND	ND	ND	ND	ND	ND
Tetrachloroethylene	ND	ND	ND	ND	ND	ND
Toluene	6.3	24.9	84.7	21.4	32.2	29.0
Trichloroethylene	ND	ND	ND	ND	ND	ND
Vinyl chloride (Chloroethylene)	ND	ND	ND	ND	ND	ND
Chloroethane	ND	ND	ND	ND	ND	ND

ND = Not detected

Lower Detection Limit = 0.5-1 $\mu\text{g/L}$

PURGEABLE PRIORITY POLLUTANTS

COMPOUND	SAMPLE "D"					
	(AMOUNT $\mu\text{g}/\text{l}$)					
	8/8	8/9	8/10	8/13	8/14	8/15
Acrolein	ND					
Acrylonitrile	ND					
Benzene	6.4					
Carbon tetrachloride	ND					
Chlorobenzene	ND					
1,2-Dichloroethane	ND					
1,1,1,-Trichloroethane	38.6					
1,1-Dichloroethane	63.3					
1,1,2,2,-Tetrachloroethane	ND					
Chloroform	34.9					
1,1-Dichloroethylene	4.8					
1,2-trans-Dichloroethylene	2.9					
1,2-Dichloropropane	ND					
1,2-Dichloropropylene	ND					
Ethylbenzene	27.7					
Methylene chloride	88.6					
Methyl chloride (Chloromethane)	ND					
Methyl bromide (Bromomethane)	ND					
Bromoform (Tribromomethane)	ND					
Dichlorobromomethane	ND					
Trichlorofluoromethane	ND					
Dichlorodifluoromethane	ND					
Chlorodibromomethane	ND					
Tetrachloroethylene	99.8					
Toluene	6,103.5					
Trichloroethylene	11.5					
Vinyl chloride (Chloroethylene)	ND					
Chloroethane	ND					

ND = Not detected

Lower Detection Limit = 0.5-1 $\mu\text{g}/\text{L}$

PURGEABLE PRIORITY POLLUTANTS

COMPOUND	SAMPLE "F"			(AMOUNT $\mu\text{g/l}$)		
	8/8	8/9	8/10	8/13	8/14	8/15
Acrolein	ND	ND	ND	ND	ND	ND
Acrylonitrile	ND	ND	ND	ND	ND	ND
Benzene	1.5	0.6	1.4	1.7	1.1	ND
Carbon tetrachloride	ND	ND	ND	ND	ND	ND
Chlorobenzene	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	ND	ND	ND	ND	ND	ND
1,1,1,-Trichloroethane	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	ND	ND	ND	ND	ND	ND
1,1,2,2,-Tetrachloroethane	ND	ND	ND	ND	ND	ND
Chloroform	37.4	29.6	51.5	43.9	40.2	45.6
1,1-Dichloroethylene	ND	ND	ND	ND	ND	ND
1,2-trans-Dichloroethylene	ND	ND	ND	ND	ND	ND
1,2-Dichloropropane	ND	ND	ND	ND	ND	ND
1,2-Dichloropropylene	ND	ND	ND	ND	ND	ND
Ethylbenzene	10.3	12.3	28.9	11.7	17.2	10.2
Methylene chloride	63.0	36.3	50.6	53.7	52.4	51.3
Methyl chloride (Chloromethane)	ND	ND	ND	ND	ND	ND
Methyl bromide (Bromomethane)	ND	ND	ND	ND	ND	ND
Bromoform (Tribromomethane)	ND	ND	ND	ND	ND	ND
Dichlorobromomethane	ND	ND	ND	ND	ND	ND
Trichlorofluoromethane	ND	ND	ND	ND	ND	ND
Dichlorodifluoromethane	ND	ND	ND	ND	ND	ND
Chlorodibromomethane	ND	ND	ND	ND	ND	ND
Tetrachloroethylene	ND	6.8	ND	10.0	9.1	ND
Toluene	19.6	34.6	166.4	366.2	61.9	88.1
Trichloroethylene	ND	ND	ND	ND	ND	ND
Vinyl chloride (Chloroethylene)	ND	ND	ND	ND	ND	ND
Chloroethane	ND	ND	ND	ND	ND	ND

ND = Not detected

Lower Detection Limit = 0.5-1 $\mu\text{g/L}$

PURGEABLE PRIORITY POLLUTANTS

COMPOUND	SAMPLE "G"			(AMOUNT $\mu\text{g}/\text{l}$)		
	8/8	8/9	8/10	8/13	8/14	8/15
Acrolein	ND	ND	ND	ND	ND	ND
Acrylonitrile	ND	ND	ND	ND	ND	ND
Benzene	1.5	1.0	ND	ND	ND	1.1
Carbon tetrachloride	ND	ND	ND	ND	ND	ND
Chlorobenzene	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	ND	ND	ND	ND	ND	ND
1,1,1,-Trichloroethane	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	ND	ND	ND	ND	ND	ND
1,1,2,2,-Tetrachloroethane	ND	ND	ND	ND	ND	ND
Chloroform	45.8	47.2	43.6	43.4	43.6	42.9
1,1-Dichloroethylene	ND	ND	ND	ND	ND	ND
1,2-trans-Dichloroethylene	ND	ND	ND	ND	ND	ND
1,2-Dichloropropane	ND	ND	ND	ND	ND	ND
1,2-Dichloropropylene	ND	ND	ND	ND	ND	ND
Ethylbenzene	2.0	0.6	ND	ND	1.9	3.4
Methylene chloride	53.5	25.6	73.4	93.6	109.9	53.2
Methyl chloride (Chloromethane)	ND	ND	ND	ND	ND	ND
Methyl bromide (Bromomethane)	ND	ND	ND	ND	ND	ND
Bromoform (Tribromomethane)	ND	ND	ND	ND	ND	ND
Dichlorobromomethane	ND	ND	ND	ND	ND	ND
Trichlorofluoromethane	ND	ND	ND	ND	ND	ND
Dichlorodifluoromethane	ND	ND	ND	ND	ND	ND
Chlorodibromomethane	ND	ND	ND	ND	ND	ND
Tetrachloroethylene	6.2	9.9	ND	8.9	11.8	ND
Toluene	3.4	1.5	3.1	3.5	ND	4.8
Trichloroethylene	ND	ND	ND	ND	ND	ND
Vinyl chloride (Chloroethylene)	ND	ND	ND	ND	ND	ND
Chloroethane	ND	ND	ND	ND	ND	ND

ND = Not detected

Lower Detection Limit = 0.5-1 $\mu\text{g}/\text{L}$

PURGEABLE PRIORITY POLLUTANTS

COMPOUND	SAMPLE "COMPOSITE"			(AMOUNT $\mu\text{g}/\text{l}$)		
	8/8	8/9	8/10	8/13	8/14	8/15
Acrolein	ND	ND	ND	ND	ND	ND
Acrylonitrile	ND	ND	ND	ND	ND	ND
Benzene	1.6	1.1	1.3	1.3	ND	1.1
Carbon tetrachloride	ND	ND	ND	ND	ND	ND
Chlorobenzene	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	ND	ND	ND	ND	ND	ND
1,1,1,-Trichloroethane	3.7	3.7	2.6	4.3	1.2	1.7
1,1-Dichloroethane	ND	5.8	3.9	10.3	19.7	3.7
1,1,2,2,-Tetrachloroethane	ND	ND	ND	ND	ND	ND
Chloroform	43.4	56.9	44.8	43.9	40.8	4.6
1,1-Dichloroethylene	ND	ND	ND	ND	ND	ND
1,2-trans-Dichloroethylene	ND	ND	ND	ND	ND	ND
1,2-Dichloropropane	ND	ND	ND	ND	ND	ND
1,2-Dichloropropylene	ND	ND	ND	ND	ND	ND
Ethylbenzene	5.3	5.1	33.3	4.1	5.2	3.3
Methylene chloride	56.8	35.2	72.5	26.3	22.1	31.6
Methyl chloride (Chloromethane)	ND	ND	ND	ND	ND	ND
Methyl bromide (Bromomethane)	ND	ND	ND	ND	ND	ND
Bromoform (Tribromomethane)	ND	ND	ND	ND	ND	ND
Dichlorobromomethane	ND	ND	ND	ND	ND	ND
Trichlorofluoromethane	ND	ND	ND	ND	ND	ND
Dichlorodifluoromethane	ND	ND	ND	ND	ND	ND
Chlorodibromomethane	ND	ND	ND	ND	ND	ND
Tetrachloroethylene	52.4	ND	ND	ND	ND	49.1
Toluene	10.7	15.3	42.6	75.9	10.7	82.2
Trichloroethylene	ND	ND	ND	ND	ND	ND
Vinyl chloride (Chloroethylene)	ND	ND	ND	ND	ND	ND
Chloroethane	ND	ND	ND	ND	ND	ND

ND = Not detected

Lower Detection Limit = 0.5-1 $\mu\text{g}/\text{L}$

BASE NEUTRAL PRIORITY POLLUTANTS

COMPOUND	SAMPLE "A"			(AMOUNT $\mu\text{g}/\text{l}$)		
	8/8	8/9	8/10	8/13	8/14	8/15
Acenaphthene	ND	ND	ND	ND	ND	ND
Benzidine	ND	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	ND	ND	ND	ND	ND	ND
Hexachlorobenzene	ND	ND	ND	ND	ND	ND
Hexachloroethane	ND	ND	ND	ND	ND	ND
bis(Chloromethyl)ether	ND	ND	ND	ND	ND	ND
bis(2-Chloroethyl)ether	ND	ND	ND	ND	ND	ND
2-Chloronaphthalene	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	ND	ND	ND	ND	ND	ND
3,3'-Dichlorobenzidine	ND	ND	ND	ND	ND	ND
2,4-Dinitrotoluene	ND	ND	ND	ND	ND	ND
2,6-Dinitrotoluene	ND	ND	ND	ND	ND	ND
1,2-Diphenylhydrazine	ND	ND	ND	ND	ND	ND
Fluoranthene	ND	ND	ND	ND	ND	ND
4-Chlorophenylphenylether	ND	ND	ND	ND	ND	ND
4-Bromophenylphenylether	ND	ND	ND	ND	ND	ND
bis(2-Chloroisopropyl)ether	ND	ND	ND	ND	ND	ND
bis(2-Chloroethoxy)methane	ND	ND	ND	ND	ND	ND
Hexachlorobutadiene	ND	ND	ND	ND	ND	ND
Hexachlorocyclopentadiene	ND	ND	ND	ND	ND	ND
Isophorone	ND	ND	ND	ND	ND	ND
Naphthalene	10	9	8	5	ND	ND
Nitrobenzene	ND	ND	ND	ND	ND	ND

Lower Detection Limit = 1-5 $\mu\text{g}/\text{L}$

BASE NEUTRAL PRIORITY POLLUTANTS

Page 2

COMPOUND	SAMPLE "A"			(AMOUNT $\mu\text{g}/\text{l}$)		
	8/8	8/9	8/10	8/13	8/14	8/15
N-Nitrosodimethylamine	ND	ND	ND	ND	ND	ND
N-Nitrosodiphenylamine	ND	ND	ND	ND	ND	ND
N-Nitroso-di-n-propylamine	ND	ND	ND	ND	ND	ND
bis(2-Ethylhexyl) phthalate	57	27	60	80	70	ND
Butylbenzylphthalate	269	134	35	ND	ND	ND
di-n-Butylphthalate	ND	ND	ND	ND	ND	ND
di-n-Octylphthalate	ND	ND	ND	ND	ND	ND
Diethylphthalate	29	12	20	30	21	18
Dimethylphthalate	ND	ND	ND	ND	ND	ND
Benzo(a)anthracene	ND	ND	ND	ND	ND	ND
Benzo(a)pyrene	ND	ND	ND	ND	ND	ND
Benzo(b)fluoranthene	ND	ND	ND	ND	ND	ND
Benzo(k)fluoranthene	ND	ND	ND	ND	ND	ND
Chrysene	ND	ND	ND	ND	ND	ND
Acenaphthylene	ND	ND	ND	ND	ND	ND
Anthracene	4	ND	6	ND	ND	ND
Benzo(g,h,i)perylene	ND	ND	ND	ND	ND	ND
Dibenzo(a,h)anthracene	ND	ND	ND	ND	ND	ND
Indeno(1,2,3-cd)pyrene	ND	ND	ND	ND	ND	ND
Pyrene	ND	ND	ND	ND	ND	ND

ND = Not detected

Lower Detection Limit = 1-5 $\mu\text{g}/\text{L}$

BASE NEUTRAL PRIORITY POLLUTANTS

COMPOUND	SAMPLE "B"			(AMOUNT $\mu\text{g/l}$)		
	8/8	8/9	8/10	8/13	8/14	8/15
Acenaphthene	ND	ND	ND	ND	ND	ND
Benzidine	ND	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	ND	ND	ND	ND	ND	ND
Hexachlorobenzene	ND	ND	ND	ND	ND	ND
Hexachloroethane	ND	ND	ND	ND	ND	ND
bis(Chloromethyl)ether	ND	ND	ND	ND	ND	ND
bis(2-Chloroethyl)ether	ND	ND	ND	ND	ND	ND
2-Chloronaphthalene	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	ND	ND	ND	ND	ND	ND
3,3'-Dichlorobenzidine	ND	ND	ND	ND	ND	ND
2,4-Dinitrotoluene	ND	ND	ND	ND	ND	ND
2,6-Dinitrotoluene	ND	ND	ND	ND	ND	ND
1,2-Diphenylhydrazine	ND	ND	ND	ND	ND	ND
Fluoranthene	ND	ND	ND	ND	ND	ND
4-Chlorophenylphenylether	ND	ND	ND	ND	ND	ND
4-Bromophenylphenylether	ND	ND	ND	ND	ND	ND
bis(2-Chloroisopropyl)ether	ND	ND	ND	ND	ND	ND
bis(2-Chloroethoxy)methane	ND	ND	ND	ND	ND	ND
Hexachlorobutadiene	ND	ND	ND	ND	ND	ND
Hexachlorocyclopentadiene	ND	ND	ND	ND	ND	ND
Isophorone	ND	ND	ND	ND	ND	ND
Naphthalene	ND	ND	ND	20	8	5
Nitrobenzene	ND	ND	ND	ND	ND	ND

Lower Detection Limit = 1-5 $\mu\text{g/L}$

BASE NEUTRAL PRIORITY POLLUTANTS

Page 2

COMPOUND	SAMPLE "B"			(AMOUNT $\mu\text{g}/\text{l}$)		
	8/8	8/9	8/10	8/13	8/14	8/15
N-Nitrosodimethylamine	ND	ND	ND	ND	ND	ND
N-Nitrosodiphenylamine	ND	ND	ND	ND	ND	ND
N-Nitroso-di-n-propylamine	ND	ND	ND	ND	ND	ND
bis(2-Ethylhexyl) phthalate	ND	15	15	102	ND	ND
Butylbenzylphthalate	927	646	799	420	ND	334
di-n-Butylphthalate	ND	ND	ND	ND	ND	15
di-n-Octylphthalate	ND	ND	ND	ND	ND	ND
Diethylphthalate	112	88	72	48	9	15
Dimethylphthalate	ND	ND	ND	ND	ND	ND
Benzo(a)anthracene	ND	ND	ND	ND	ND	ND
Benzo(a)pyrene	ND	ND	ND	ND	ND	ND
Benzo(b)fluoranthene	ND	ND	ND	ND	ND	ND
Benzo(k)fluoranthene	ND	ND	ND	ND	ND	ND
Chrysene	ND	ND	ND	ND	ND	ND
Acenaphthylene	ND	ND	ND	ND	ND	ND
Anthracene	ND	ND	ND	ND	ND	ND
Benzo(g,h,i)perylene	ND	ND	ND	ND	ND	ND
Dibenzo(a,h)anthracene	ND	ND	ND	ND	ND	ND
Indeno(1,2,3-cd)pyrene	ND	ND	ND	ND	ND	ND
Pyrene	ND	ND	ND	ND	ND	ND

ND = Not detected

Lower Detection Limit = 1-5 $\mu\text{g}/\text{L}$

BASE NEUTRAL PRIORITY POLLUTANTS

COMPOUND	SAMPLE "D"			(AMOUNT $\mu\text{g/l}$)		
	8/8	8/9	8/10	8/13	8/14	8/15
Acenaphthene	ND					
Benzidine	ND					
1,2,4-Trichlorobenzene	ND					
Hexachlorobenzene	ND					
Hexachloroethane	ND					
bis(Chloromethyl)ether	ND					
bis(2-Chloroethyl)ether	ND					
2-Chloronaphthalene	ND					
1,2-Dichlorobenzene	ND					
1,3-Dichlorobenzene	ND					
1,4-Dichlorobenzene	ND					
3,3'-Dichlorobenzidine	ND					
2,4-Dinitrotoluene	ND					
2,6-Dinitrotoluene	ND					
1,2-Diphenylhydrazine	ND					
Fluoranthene	ND					
4-Chlorophenylphenylether	ND					
4-Bromophenylphenylether	ND					
bis(2-Chloroisopropyl)ether	ND					
bis(2-Chloroethoxy)methane	ND					
Hexachlorobutadiene	ND					
Hexachlorocyclopentadiene	ND					
Isophorone	ND					
Naphthalene	438					
Nitrobenzene	ND					

Lower Detection Limit = 1-5 $\mu\text{g/L}$

BASE NEUTRAL PRIORITY POLLUTANTS

Page 2

COMPOUND	SAMPLE "D"			(AMOUNT $\mu\text{g}/\text{l}$)		
	8/8	8/9	8/10	8/13	8/14	8/15
N-Nitrosodimethylamine	ND					
N-Nitrosodiphenylamine	ND					
N-Nitroso-di-n-propylamine	ND					
bis(2-Ethylhexyl) phthalate	484					
Butylbenzylphthalate	404					
di-n-Butylphthalate	86					
di-n-Octylphthalate	ND					
Diethylphthalate	6					
Dimethylphthalate	ND					
Benzo(a)anthracene	ND					
Benzo(a)pyrene	ND					
Benzo(b)fluoranthene	ND					
Benzo(k)fluoranthene	ND					
Chrysene	ND					
Acenaphthylene	ND					
Anthracene	16					
Benzo(g,h,i)perylene	ND					
Dibenzo(a,h)anthracene	ND					
Indeno(1,2,3-cd)pyrene	ND					
Pyrene	ND					

ND = Not detected

Lower Detection Limit = 1-5 $\mu\text{g}/\text{L}$

BASE NEUTRAL PRIORITY POLLUTANTS

COMPOUND	SAMPLE "F"			(AMOUNT $\mu\text{g/l}$)		
	8/8	8/9	8/10	8/13	8/14	8/15
Acenaphthene	ND	ND	ND	ND	ND	ND
Benzidine	ND	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	ND	ND	ND	ND	ND	ND
Hexachlorobenzene	ND	ND	ND	ND	ND	ND
Hexachloroethane	ND	ND	ND	ND	ND	ND
bis(Chloromethyl)ether	ND	ND	ND	ND	ND	ND
bis(2-Chloroethyl)ether	ND	ND	ND	ND	ND	ND
2-Chloronaphthalene	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	ND	ND	ND	ND	ND	ND
3,3'-Dichlorobenzidine	ND	ND	ND	ND	ND	ND
2,4-Dinitrotoluene	ND	ND	ND	ND	ND	ND
2,6-Dinitrotoluene	ND	ND	ND	ND	ND	ND
1,2-Diphenylhydrazine	ND	ND	ND	ND	ND	ND
Fluoranthene	ND	ND	ND	ND	ND	ND
4-Chlorophenylphenylether	ND	ND	ND	ND	ND	ND
4-Bromophenylphenylether	ND	ND	ND	ND	ND	ND
bis(2-Chloroisopropyl)ether	ND	ND	ND	ND	ND	ND
bis(2-Chloroethoxy)methane	ND	ND	ND	ND	ND	ND
Hexachlorobutadiene	ND	ND	ND	ND	ND	ND
Hexachlorocyclopentadiene	ND	ND	ND	ND	ND	ND
Isophorone	ND	ND	ND	ND	ND	ND
Naphthalene	12	17	ND	30	6	ND
Nitrobenzene	ND	ND	ND	ND	ND	ND

Lower Detection Limit = 1-5 $\mu\text{g/L}$

BASE NEUTRAL PRIORITY POLLUTANTS

Page 2

COMPOUND	SAMPLE "F"			(AMOUNT $\mu\text{g}/\text{l}$)		
	8/8	8/9	8/10	8/13	8/14	8/15
N-Nitrosodimethylamine	ND	ND	ND	ND	ND	ND
N-Nitrosodiphenylamine	ND	ND	ND	ND	ND	ND
N-Nitroso-di-n-propylamine	ND	ND	ND	ND	ND	ND
bis(2-Ethylhexyl) phthalate	60	21	ND	ND	ND	ND
Butylbenzylphthalate	3,217	4,060	1,770	3,186	ND	50
di-n-Butylphthalate	9	15	ND	18	12	11
di-n-Octylphthalate	ND	ND	ND	ND	ND	ND
Diethylphthalate	160	84	93	82	24	ND
Dimethylphthalate	ND	ND	ND	ND	ND	ND
Benzo(a)anthracene	ND	ND	ND	ND	ND	ND
Benzo(a)pyrene	ND	ND	ND	ND	ND	ND
Benzo(b)fluoranthene	ND	ND	ND	ND	ND	ND
Benzo(k)fluoranthene	ND	ND	ND	ND	ND	ND
Chrysene	ND	ND	ND	ND	ND	ND
Acenaphthylene	ND	ND	ND	ND	ND	ND
Anthracene	ND	ND	ND	ND	ND	ND
Benzo(g,h,i)perylene	ND	ND	ND	ND	ND	ND
Dibenzo(a,h)anthracene	ND	ND	ND	ND	ND	ND
Indeno(1,2,3-cd)pyrene	ND	ND	ND	ND	ND	ND
Pyrene	ND	ND	ND	ND	ND	ND

ND = Not detected

Lower Detection Limit = 1-5 $\mu\text{g}/\text{L}$

BASE NEUTRAL PRIORITY POLLUTANTS

COMPOUND	SAMPLE "G"			(AMOUNT $\mu\text{g}/\text{l}$)		
	8/8	8/9	8/10	8/13	8/14	8/15
Acenaphthene	ND	ND	ND	ND	ND	ND
Benzidine	ND	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	ND	ND	ND	ND	ND	ND
Hexachlorobenzene	ND	ND	ND	ND	ND	ND
Hexachloroethane	ND	ND	ND	ND	ND	ND
bis(Chloromethyl)ether	ND	ND	ND	ND	ND	ND
bis(2-Chloroethyl)ether	ND	ND	ND	ND	ND	ND
2-Chloronaphthalene	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	ND	ND	ND	ND	ND	ND
3,3'-Dichlorobenzidine	ND	ND	ND	ND	ND	ND
2,4-Dinitrotoluene	ND	ND	ND	ND	ND	ND
2,6-Dinitrotoluene	ND	ND	ND	ND	ND	ND
1,2-Diphenylhydrazine	ND	ND	ND	ND	ND	ND
Fluoranthene	ND	ND	ND	ND	ND	ND
4-Chlorophenylphenylether	ND	ND	ND	ND	ND	ND
4-Bromophenylphenylether	ND	ND	ND	ND	ND	ND
bis(2-Chloroisopropyl)ether	ND	ND	ND	ND	ND	ND
bis(2-Chloroethoxy)methane	ND	ND	ND	ND	ND	ND
Hexachlorobutadiene	ND	ND	ND	ND	ND	ND
Hexachlorocyclopentadiene	ND	ND	ND	ND	ND	ND
Isophorone	ND	ND	ND	ND	ND	ND
Naphthalene	ND	ND	ND	ND	ND	ND
Nitrobenzene	ND	ND	ND	ND	ND	ND

Lower Detection Limit = 1-5 $\mu\text{g}/\text{L}$

BASE NEUTRAL PRIORITY POLLUTANTS

Page 2

COMPOUND	SAMPLE "G"			(AMOUNT $\mu\text{g/l}$)		
	8/8	8/9	8/10	8/13	8/14	8/15
N-Nitrosodimethylamine	ND	ND	ND	ND	ND	ND
N-Nitrosodiphenylamine	ND	ND	ND	ND	ND	ND
N-Nitroso-di-n-propylamine	ND	ND	ND	ND	ND	ND
bis(2-Ethylhexyl) phthalate	7	3	145	34	ND	11
Butylbenzylphthalate	ND	ND	ND	ND	ND	ND
di-n-Butylphthalate	11	4	ND	ND	19	21
di-n-Octylphthalate	ND	ND	ND	ND	ND	ND
Diethylphthalate	14	3	10	10	13	15
Dimethylphthalate	ND	ND	ND	ND	ND	ND
Benzo(a)anthracene	ND	ND	ND	ND	ND	ND
Benzo(a)pyrene	ND	ND	ND	ND	ND	ND
Benzo(b)fluoranthene	ND	ND	ND	ND	ND	ND
Benzo(k)fluoranthene	ND	ND	ND	ND	ND	ND
Chrysene	ND	ND	ND	ND	ND	ND
Acenaphthylene	ND	ND	ND	ND	ND	ND
Anthracene	ND	2	ND	ND	ND	ND
Benzo(g,h,i)perylene	ND	ND	ND	ND	ND	ND
Dibenzo(a,h)anthracene	ND	ND	ND	ND	ND	ND
Indero(1,2,3-cd)pyrene	ND	ND	ND	ND	ND	ND
Pyrene	ND	ND	ND	ND	ND	ND

ND = Not detected

Lower Detection Limit - 1-5 $\mu\text{g/L}$

BASE NEUTRAL PRIORITY POLLUTANTS

COMPOUND	SAMPLE "COMPOSITE"			(AMOUNT $\mu\text{g}/\text{l}$)		
	8/8	8/9	8/10	8/13	8/14	8/15
Acenaphthene	ND	ND	ND	ND	ND	ND
Benzidine	ND	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	ND	ND	ND	ND	ND	ND
Hexachlorobenzene	ND	ND	ND	ND	ND	ND
Hexachloroethane	ND	ND	ND	ND	ND	ND
bis(Chloromethyl)ether	ND	ND	ND	ND	ND	ND
bis(2-Chloroethyl)ether	ND	ND	ND	ND	ND	ND
2-Chloronaphthalene	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	ND	ND	ND	ND	ND	ND
3,3'-Dichlorobenzidine	ND	ND	ND	ND	ND	ND
2,4-Dinitrotoluene	ND	ND	ND	ND	ND	ND
2,6-Dinitrotoluene	ND	ND	ND	ND	ND	ND
1,2-Diphenylhydrazine	ND	ND	ND	ND	ND	ND
Fluoranthene	ND	ND	ND	ND	ND	ND
4-Chlorophenylphenylether	ND	ND	ND	ND	ND	ND
4-Bromophenylphenylether	ND	ND	ND	ND	ND	ND
bis(2-Chloroisopropyl)ether	ND	ND	ND	ND	ND	ND
bis(2-Chloroethoxy)methane	ND	ND	ND	ND	ND	ND
Hexachlorobutadiene	ND	ND	ND	ND	ND	ND
Hexachlorocyclopentadiene	ND	ND	ND	ND	ND	ND
Isophorone	ND	ND	ND	ND	ND	ND
Naphthalene	ND	ND	26	15	2	ND
Nitrobenzene	ND	ND	ND	ND	ND	ND

Lower Detection Limit = 1-5 $\mu\text{g}/\text{L}$

BASE NEUTRAL PRIORITY POLLUTANTS

Page 2

COMPOUND	SAMPLE "COMPOSITE"			(AMOUNT $\mu\text{g}/\text{l}$)		
	8/8	8/9	8/10	8/13	8/14	8/15
N-Nitrosodimethylamine	ND	ND	ND	ND	ND	ND
N-Nitrosodiphenylamine	ND	ND	ND	ND	ND	ND
N-Nitroso-di-n-propylamine	ND	ND	ND	ND	ND	ND
bis(2-Ethylhexyl) phthalate	33	42	84	28	20	15
Butylbenzylphthalate	331	997	618	747	46	103
di-n-Butylphthalate	ND	ND	ND	ND	ND	ND
di-n-Octylphthalate	ND	ND	ND	ND	ND	ND
Diethylphthalate	21	39	44	43	10	6
Dimethylphthalate	ND	ND	ND	ND	ND	ND
Benzo(a)anthracene	ND	ND	ND	ND	ND	ND
Benzo(a)pyrene	ND	ND	ND	ND	ND	ND
Benzo(b)fluoranthene	ND	ND	ND	ND	ND	ND
Benzo(k)fluoranthene	ND	ND	ND	ND	ND	ND
Chrysene	ND	ND	ND	ND	ND	ND
Acenaphthylene	ND	ND	ND	ND	ND	ND
Anthracene	ND	ND	8	ND	NQ	ND
Benzo(g,h,i)perylene	ND	ND	ND	ND	ND	ND
Dibenzo(a,h)anthracene	ND	ND	ND	ND	ND	ND
Indeno(1,2,3-cd)pyrene	ND	ND	ND	ND	ND	ND
Pyrene	ND	ND	ND	ND	ND	ND

ND = Not detected

NQ = Detected but not quantitated

Lower Detection Limit = 1-5 $\mu\text{g}/\text{L}$

PHENOL PRIORITY POLLUTANTS

COMPOUND	SAMPLE "A"			(AMOUNT $\mu\text{g/l}$)		
	8/8	8/9	8/10	8/13	8/14	8/15
Phenol	ND	ND	ND	ND	ND	ND
2-Chlorophenol	ND	ND	ND	ND	ND	ND
2-Nitrophenol	ND	ND	30	ND	ND	ND
2,4-Dimethylphenol	ND	ND	ND	ND	ND	ND
2,4-Dichlorophenol	ND	ND	ND	ND	ND	ND
2,4,6-Trichlorophenol	ND	ND	ND	ND	ND	ND
2,4-Dinitrophenol	ND	ND	ND	ND	ND	ND
4-Nitrophenol	ND	ND	ND	ND	ND	ND
4,6-Dinitro-o-cresol	ND	ND	ND	ND	ND	ND
Pentachlorophenol	ND	ND	ND	ND	ND	ND
4-Chloro-m-cresol	ND	ND	ND	ND	ND	ND

ND = Not detected

Lower Detection Limit = 5 $\mu\text{g/L}$

PHENOL PRIORITY POLLUTANTS

COMPOUND	SAMPLE "B"			(AMOUNT $\mu\text{g/l}$)		
	8/8	8/9	8/10	8/13	8/14	8/15
Phenol	ND	ND	ND	ND	ND	ND
2-Chlorophenol	ND	ND	ND	ND	ND	ND
2-Nitrophenol	ND	ND	ND	ND	ND	ND
2,4-Dimethylphenol	ND	ND	ND	ND	ND	ND
2,4-Dichlorophenol	ND	ND	ND	ND	ND	ND
2,4,6-Trichlorophenol	ND	ND	ND	ND	ND	ND
2,4-Dinitrophenol	ND	ND	ND	ND	ND	ND
4-Nitrophenol	ND	ND	ND	ND	ND	ND
4,6-Dinitro-o-cresol	ND	ND	ND	ND	ND	ND
Pentachlorophenol	ND	ND	ND	ND	ND	ND
4-Chloro-m-cresol	ND	ND	ND	ND	ND	ND

ND = Not detected

Lower Detection Limit = 5 $\mu\text{g/L}$

PHENOL PRIORITY POLLUTANTS

COMPOUND	SAMPLE "D"			(AMOUNT µg/l)		
	8/8	8/9	8/10	8/13	8/14	8/15
Phenol	ND					
2-Chlorophenol	ND					
2-Nitrophenol	ND					
2,4-Dimethylphenol	ND					
2,4-Dichlorophenol	ND					
2,4,6-Trichlorophenol	ND					
2,4-Dinitrophenol	ND					
4-Nitrophenol	ND					
4,6-Dinitro-o-cresol	ND					
Pentachlorophenol	ND					
4-Chloro-m-cresol	ND					

ND = Not detected

Lower Detection Limit = 5 µg/L

PHENOL PRIORITY POLLUTANTS

COMPOUND	SAMPLE "F"			(AMOUNT $\mu\text{g/l}$)		
	8/8	8/9	8/10	8/13	8/14	8/15
Phenol	ND	ND	ND	ND	ND	ND
2-Chlorophenol	ND	ND	ND	ND	ND	ND
2-Nitrophenol	ND	ND	ND	ND	ND	ND
2,4-Dimethylphenol	ND	ND	ND	ND	ND	ND
2,4-Dichlorophenol	ND	ND	ND	ND	ND	ND
2,4,6-Trichlorophenol	ND	ND	ND	ND	ND	ND
2,4-Dinitrophenol	ND	ND	ND	ND	ND	ND
4-Nitrophenol	ND	ND	ND	ND	ND	ND
4,6-Dinitro- <i>o</i> -cresol	ND	ND	ND	ND	ND	ND
Pentachlorophenol	ND	ND	ND	ND	ND	ND
4-Chloro- <i>m</i> -cresol	ND	ND	ND	ND	ND	ND

ND = Not detected

Lower Detection Limit = 5 $\mu\text{g/L}$

PHENOL PRIORITY POLLUTANTS

COMPOUND	SAMPLE "G"			(AMOUNT $\mu\text{g/l}$)		
	8/8	8/9	8/10	8/13	8/14	8/15
Phenol	ND	ND	ND	ND	ND	ND
2-Chlorophenol	ND	ND	ND	ND	ND	ND
2-Nitrophenol	ND	ND	ND	ND	ND	ND
2,4-Dimethylphenol	ND	ND	ND	ND	ND	ND
2,4-Dichlorophenol	ND	ND	ND	ND	ND	ND
2,4,6-Trichlorophenol	ND	ND	ND	ND	ND	ND
2,4-Dinitrophenol	ND	ND	ND	ND	ND	ND
4-Nitrophenol	ND	ND	ND	ND	ND	ND
4,6-Dinitro-o-cresol	ND	ND	ND	ND	ND	ND
Pentachlorophenol	ND	ND	ND	ND	ND	ND
4-Chloro-m-cresol	ND	ND	ND	ND	ND	ND

ND = Not detected

Lower Detection Limit = 5 $\mu\text{g/L}$

PHENOL PRIORITY POLLUTANTS

COMPOUND	SAMPLE "COMPOSITE"			(AMOUNT $\mu\text{g}/\text{l}$)		
	8/8	8/9	8/10	8/13	8/14	8/15
Phenol	ND	ND	ND	ND	ND	ND
2-Chlorophenol	ND	ND	ND	ND	ND	ND
2-Nitrophenol	ND	ND	12	ND	ND	ND
2,4-Dimethylphenol	ND	ND	ND	ND	ND	ND
2,4-Dichlorophenol	ND	ND	ND	ND	ND	ND
2,4,6-Trichlorophenol	ND	ND	ND	ND	ND	ND
2,4-Dinitrophenol	ND	ND	ND	ND	ND	ND
4-Nitrophenol	ND	ND	ND	ND	ND	ND
4,6-Dinitro-o-cresol	ND	ND	ND	ND	ND	ND
Pentachlorophenol	ND	ND	ND	ND	ND	ND
4-Chloro-m-cresol	ND	ND	ND	ND	ND	ND

ND = Not detected

Lower Detection Limit = 5 $\mu\text{g}/\text{L}$

PESTICIDE PRIORITY POLLUTANTS

COMPOUND	SAMPLE "COMPOSITE"			(AMOUNT $\mu\text{g}/\text{l}$)		
	8/8	8/9	8/10	8/13	8/14	8/15
Aldrin	ND	ND	ND	ND	ND	ND
Dieldrin	ND	ND	ND	ND	ND	ND
Chlordane	ND	ND	ND	ND	ND	ND
4,4'-DDT	ND	ND	ND	ND	ND	ND
4,4'-DDD	ND	ND	ND	ND	ND	ND
4,4'-DDE	ND	ND	ND	ND	ND	ND
α -Endosulfan	ND	ND	ND	ND	ND	ND
β -Endosulfan	ND	ND	ND	ND	ND	ND
Endosulfan sulfate	ND	ND	ND	ND	ND	ND
Endrin	ND	ND	ND	ND	ND	ND
Endrin aldehyde	ND	ND	ND	ND	ND	ND
Heptachlor	ND	ND	ND	ND	ND	ND
Heptachlor epoxide	ND	ND	ND	ND	ND	ND
α -BHC	ND	ND	ND	ND	ND	ND
β -BHC	ND	ND	ND	ND	ND	ND
γ -BHC	ND	ND	ND	ND	ND	ND
δ -BHC	ND	ND	ND	ND	ND	ND
Toxaphene	ND	ND	ND	ND	ND	ND
Aroclor 1242	ND	ND	ND	ND	ND	ND
Aroclor 1254	ND	ND	ND	ND	ND	ND
Aroclor 1221	ND	ND	ND	ND	ND	ND
Aroclor 1232	ND	ND	ND	ND	ND	ND
Aroclor 1248	ND	ND	ND	ND	ND	ND
Aroclor 1260	ND	ND	ND	ND	ND	ND
Aroclor 1016	ND	ND	ND	ND	ND	ND
2,3,7,8-Tetrachlorodi- benzo-p-dioxin	ND	ND	ND	ND	ND	ND

ND = Not detected

Lower Detection Limit = 0.5-5 $\mu\text{g}/\text{L}$

INORGANIC PRIORITY POLLUTANTS

COMPOUND	SAMPLE "COMPOSITE"			(AMOUNT mg/l)		
	8/8	8/9	8/10	8/13	8/14	8/15
Hg (0.014 mg/l*)	--	--	--	--	--	--
Sb (0.1 mg/l)	--	--	--	--	--	--
As (0.08 mg/l)	--	--	--	--	--	--
Be (0.06 mg/l)	--	--	--	--	--	--
Cd (0.005 mg/l)	--	--	--	--	--	--
Cr (0.009 mg/l)	--	--	--	--	--	--
Cu (0.03 mg/l)	--	--	--	--	--	--
Pb (0.03 mg/l)	3.5	--	--	--	--	--
Ni (0.006 mg/l)	--	--	--	--	--	--
Se (0.1 mg/l)	--	--	--	--	--	--
Ag (0.005 mg/l)	0.007	0.013	0.008	0.036	0.023	0.023
Tl (0.1 mg/l)	--	--	--	--	--	--
Zn (0.006 mg/l)	0.42	0.56	1.46	0.86	0.68	1.06
Cyanide (0.02 mg/l)	ND	ND	ND	ND	ND	ND

*Lower Detection Limit
 ND = Not detected

INORGANIC PRIORITY POLLUTANTS

COMPOUND	SAMPLE "G"	
	8/09	(AMOUNT mg/l) 8/15
Cyanide (0.02 mg/l*)	ND	ND

*Lower Detection Limit

PURGEABLE PRIORITY POLLUTANTS

COMPOUND	SAMPLE "COMPOSITE"	(AMOUNT $\mu\text{g}/\text{l}$)
	9/11	
Acrolein	ND	
Acrylonitrile	ND	
Benzene	ND	
Carbon tetrachloride	ND	
Chlorobenzene	ND	
1,2-Dichloroethane	ND	
1,1,1,-Trichloroethane	1.4	
1,1-Dichloroethane	ND	
1,1,2,2,-Tetrachloroethane	ND	
Chloroform	22.6	
1,1-Dichloroethylene	ND	
1,2-trans-Dichloroethylene	ND	
1,2-Dichloropropane	ND	
1,2-Dichloropropylene	ND	
Ethylbenzene	9.3	
Methylene chloride	54.6	
Methyl chloride (Chloromethane)	ND	
Methyl bromide (Bromomethane)	ND	
Bromoform (Tribromomethane)	ND	
Dichlorobromomethane	ND	
Trichlorofluoromethane	ND	
Dichlorodifluoromethane	ND	
Chlorodibromomethane	ND	
Tetrachloroethylene	ND	
Toluene	14.6	
Trichloroethylene	ND	
Vinyl chloride (Chloroethylene)	ND	
Chloroethane	ND	

ND = Not detected

Lower Detection Limit = 0.5-1 $\mu\text{g}/\text{L}$

BASE NEUTRAL PRIORITY POLLUTANTS

COMPOUND	SAMPLE "COMPOSITE" 9/11	(AMOUNT $\mu\text{g}/\text{l}$)
Acenaphthene	ND	
Benzidine	ND	
1,2,4-Trichlorobenzene	ND	
Hexachlorobenzene	ND	
Hexachloroethane	ND	
bis(Chloromethyl)ether	ND	
bis(2-Chloroethyl)ether	ND	
2-Chloronaphthalene	ND	
1,2-Dichlorobenzene	ND	
1,3-Dichlorobenzene	ND	
1,4-Dichlorobenzene	ND	
3,3'-Dichlorobenzidine	ND	
2,4-Dinitrotoluene	ND	
2,6-Dinitrotoluene	ND	
1,2-Diphenylhydrazine	ND	
Fluoranthene	ND	
4-Chlorophenylphenylether	ND	
4-Bromophenylphenylether	ND	
bis(2-Chloroisopropyl)ether	ND	
bis(2-Chloroethoxy)methane	ND	
Hexachlorobutadiene	ND	
Hexachlorocyclopentadiene	ND	
Isophorone	ND	
Naphthalene	3	
Nitrobenzene	ND	

Lower Detection Limit = 1-5 $\mu\text{g}/\text{L}$

BASE NEUTRAL PRIORITY POLLUTANTS

Page 2

COMPOUND	SAMPLE "COMPOSITE" 9/11	(AMOUNT $\mu\text{g}/\text{l}$)
N-Nitrosodimethylamine	ND	
N-Nitrosodiphenylamine	ND	
N-Nitroso-di-n-propylamine	ND	
bis(2-Ethylhexyl)phthalate	22	
Butylbenzylphthalate	630	
di-n-Butylphthalate	ND	
di-n-Octylphthalate	ND	
Diethylphthalate	7	
Dimethylphthalate	ND	
Benzo(a)anthracene	ND	
Benzo(a)pyrene	ND	
Benzo(b)fluoranthene	ND	
Benzo(k)fluoranthene	ND	
Chrysene	ND	
Acenaphthylene	ND	
Anthracene	ND	
Benzo(g,h,i)perylene	ND	
Dibenzo(a,h)anthracene	ND	
Indeno(1,2,3-cd)pyrene	ND	
Pyrene	ND	

ND = Not detected

Lower Detection Limit = 1-5 $\mu\text{g}/\text{L}$

PHENOL PRIORITY POLLUTANTS

COMPOUND	SAMPLE "COMPOSITE"	(AMOUNT $\mu\text{g}/\text{l}$)
	9/11	
Phenol	ND	
2-Chlorophenol	ND	
2-Nitrophenol	ND	
2,4-Dimethylphenol	ND	
2,4-Dichlorophenol	ND	
2,4,6-Trichlorophenol	ND	
2,4-Dinitrophenol	ND	
4-Nitrophenol	ND	
4,6-Dinitro-o-cresol	ND	
Pentachlorophenol	ND	
4-Chloro-m-cresol	ND	

ND = Not detected

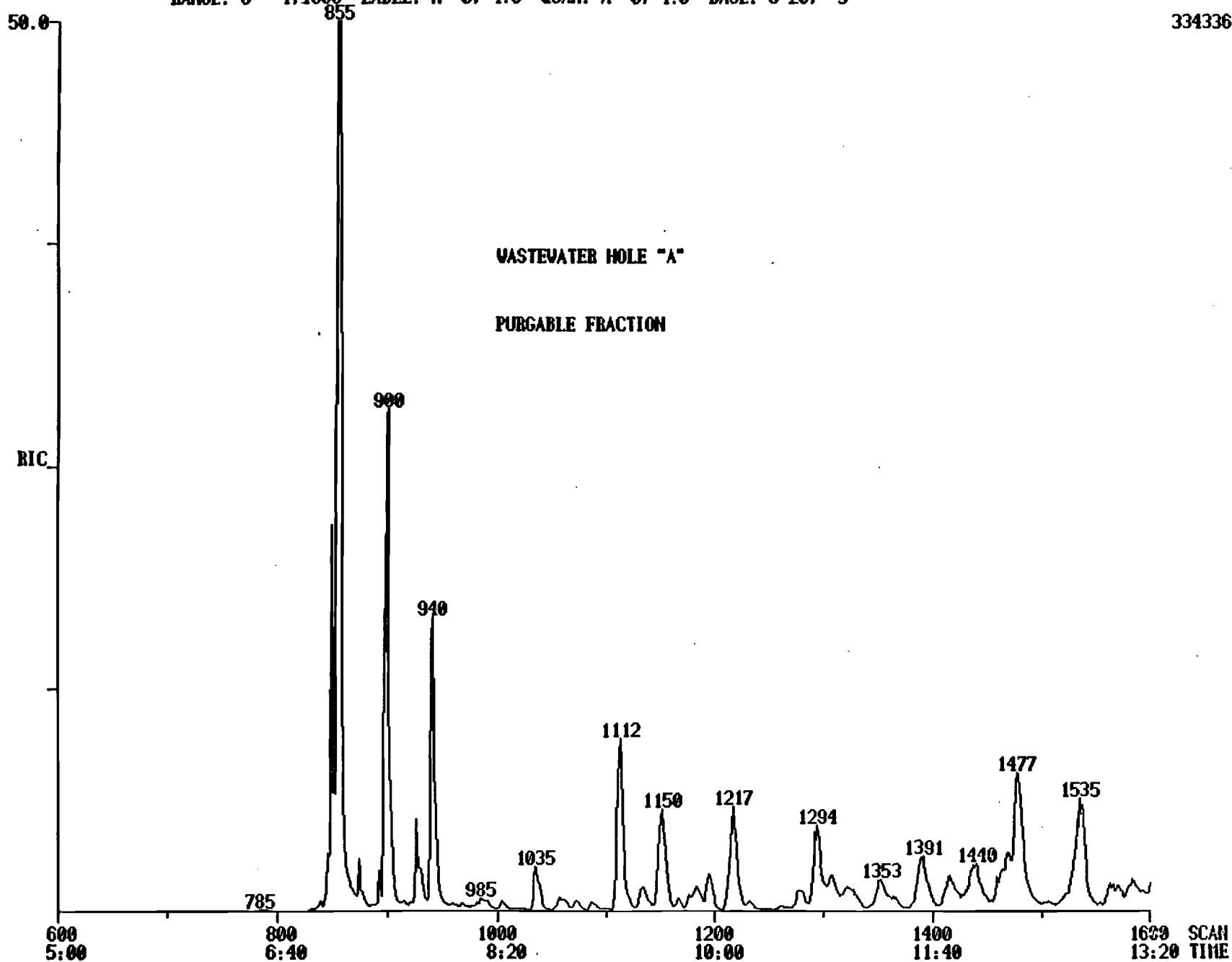
Lower Detection Limit = 5 $\mu\text{g}/\text{L}$

RIC
09/13/84 0:44:00
SAMPLE: LG 8/15/84 "A" VOA + IS
RANGE: G 1.1600 LABEL: N 0. 4.0 QUAN: A 0. 1.0 BASE: U 20. 3

DATA: LG081584AV #1
CALI: CALG091284 #3

SCANS 600 TO 1600

334336.

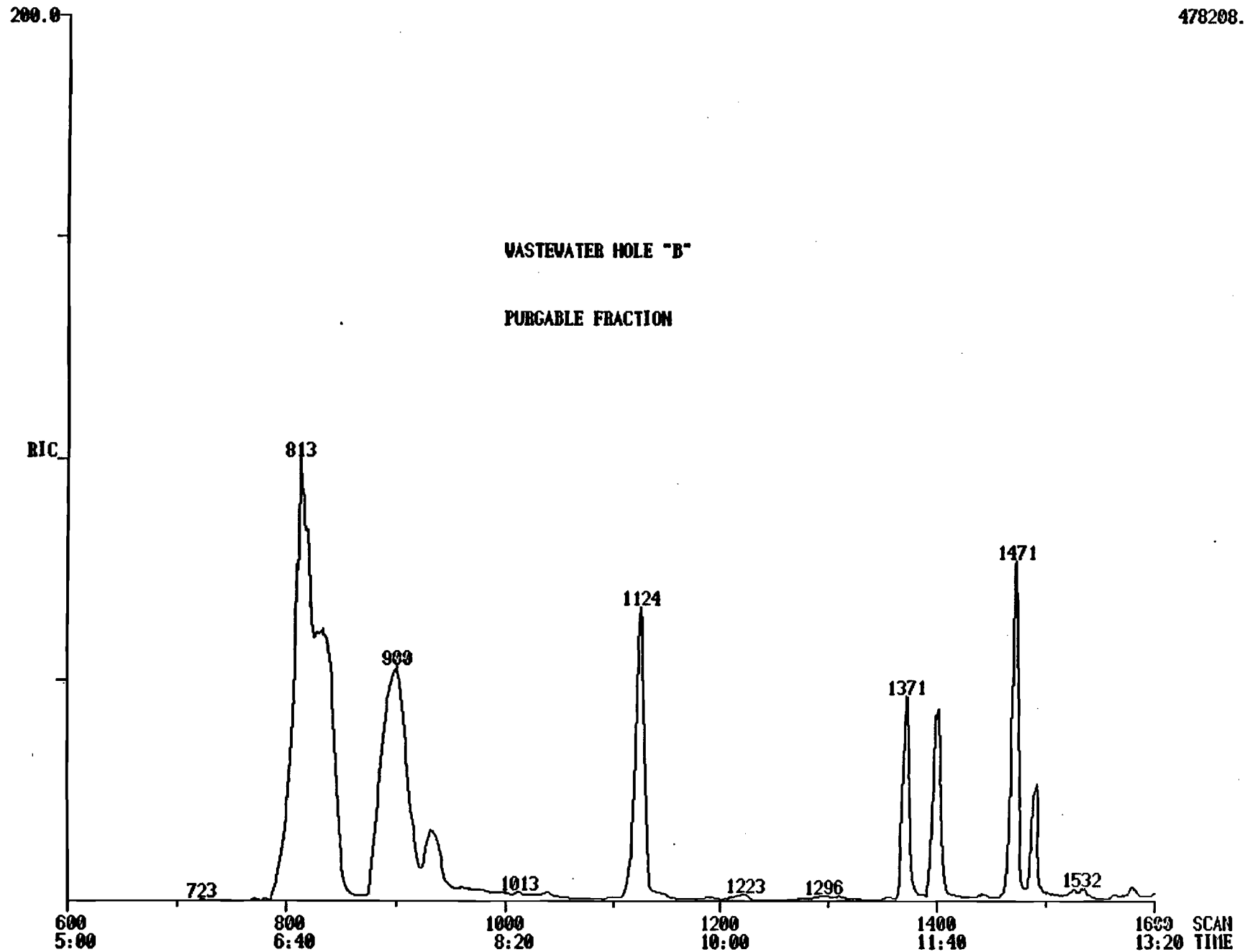


RIC
09/13/84 1:22:00
SAMPLE: LG 8/15/84 "B" VOA + IS
RANGE: G 1.1600 LABEL: N 0. 4.0 QUAN: A 0. 1.0 BASE: U 20. 3

DATA: LG081584BV #1
CALI: CALG091284 #3

SCANS 600 TO 1600

478208.



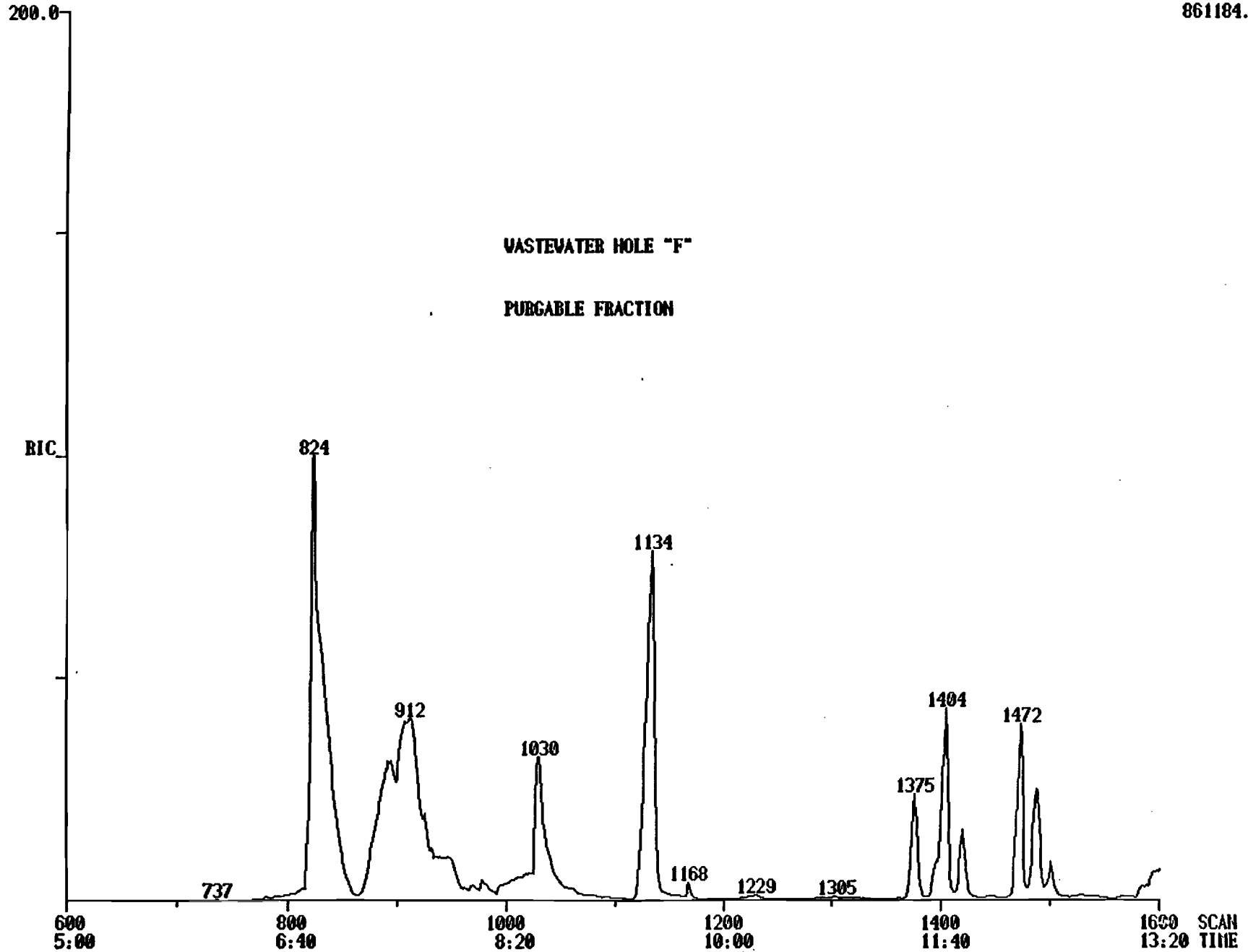
RIC
09/13/84 2:40:00
SAMPLE: LG 8/15/84 "F" 5ML VOA + IS
RANGE: G 1.1600 LABEL: N 0. 4.0

DATA: LG081584FY #1
CALI: CALG091284 #3

SCANS 600 TO 1600

QUAN: A 0. 1.0 BASE: U 20. 3

861184.

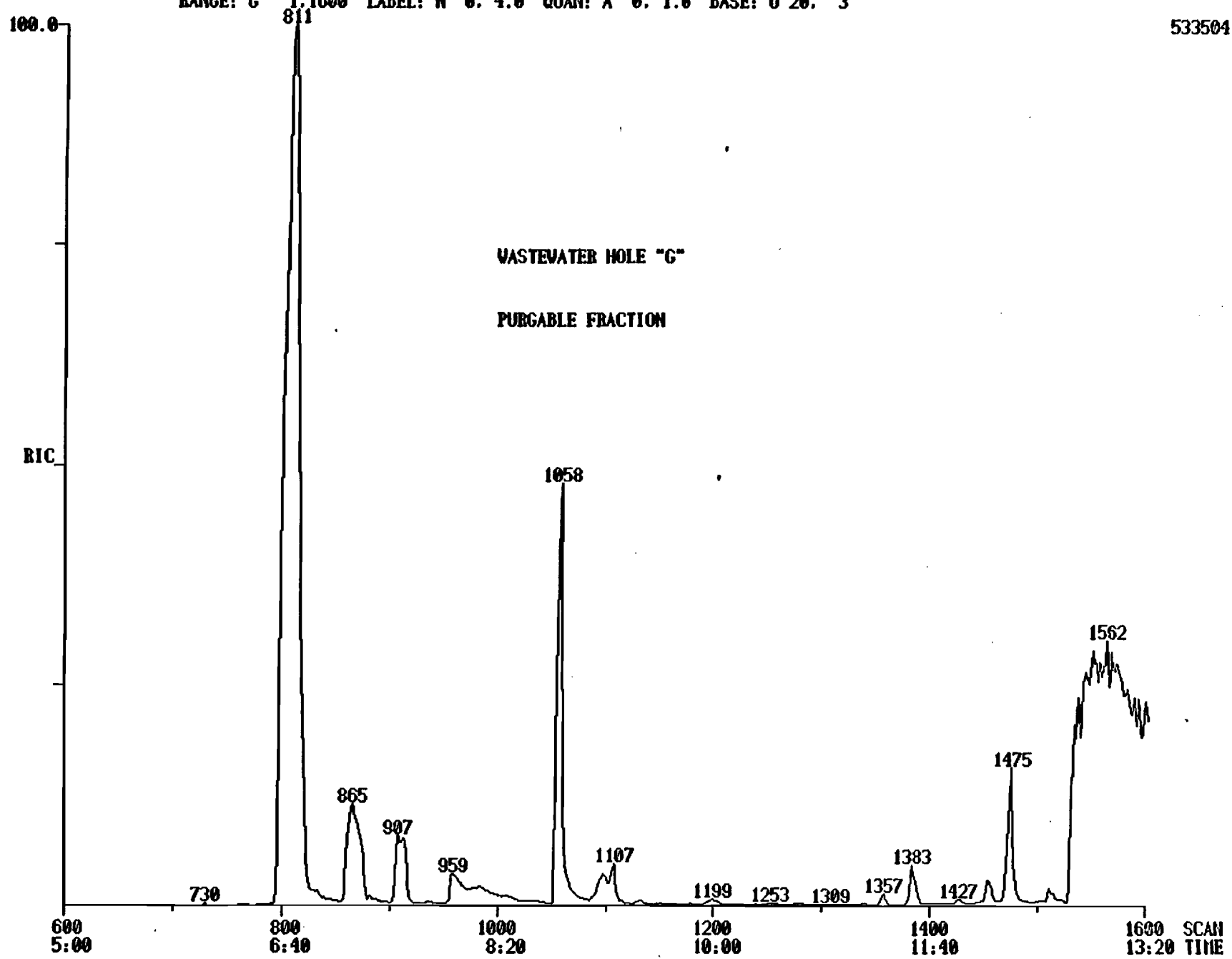


RIC
09/13/84 2:06:00
SAMPLE: LG 8/15/84 "G" VOA + IS
RANGE: G 1.1600 LABEL: N 0. 4.0 QUAN: A 0. 1.0 BASE: U 20. 3

DATA: LG081584GY #1
CALI: CALG091284 #3

SCANS 600 TO 1600

533504.

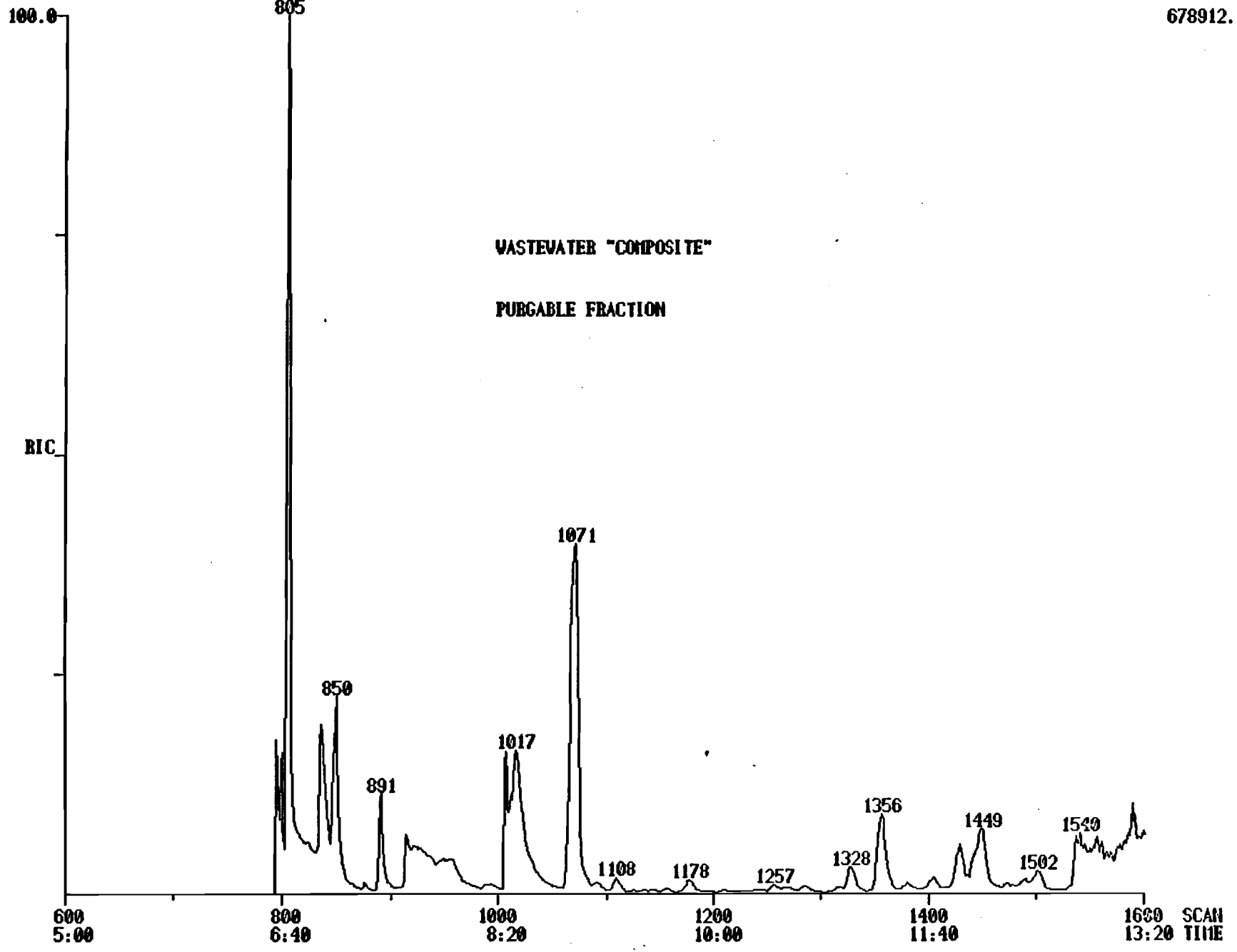


RIC
09/13/84 14:58:00
SAMPLE: LG 8/16/84 "COMPOSITE" VOA 5 ML + IS
RANGE: G 1.1600 LABEL: N 0. 4.0 QUAN: A 0. 1.0 BASE: U 20. 3

DATA: LG081684CV #1
CALI: CALG091184 #3

SCANS 600 TO 1600

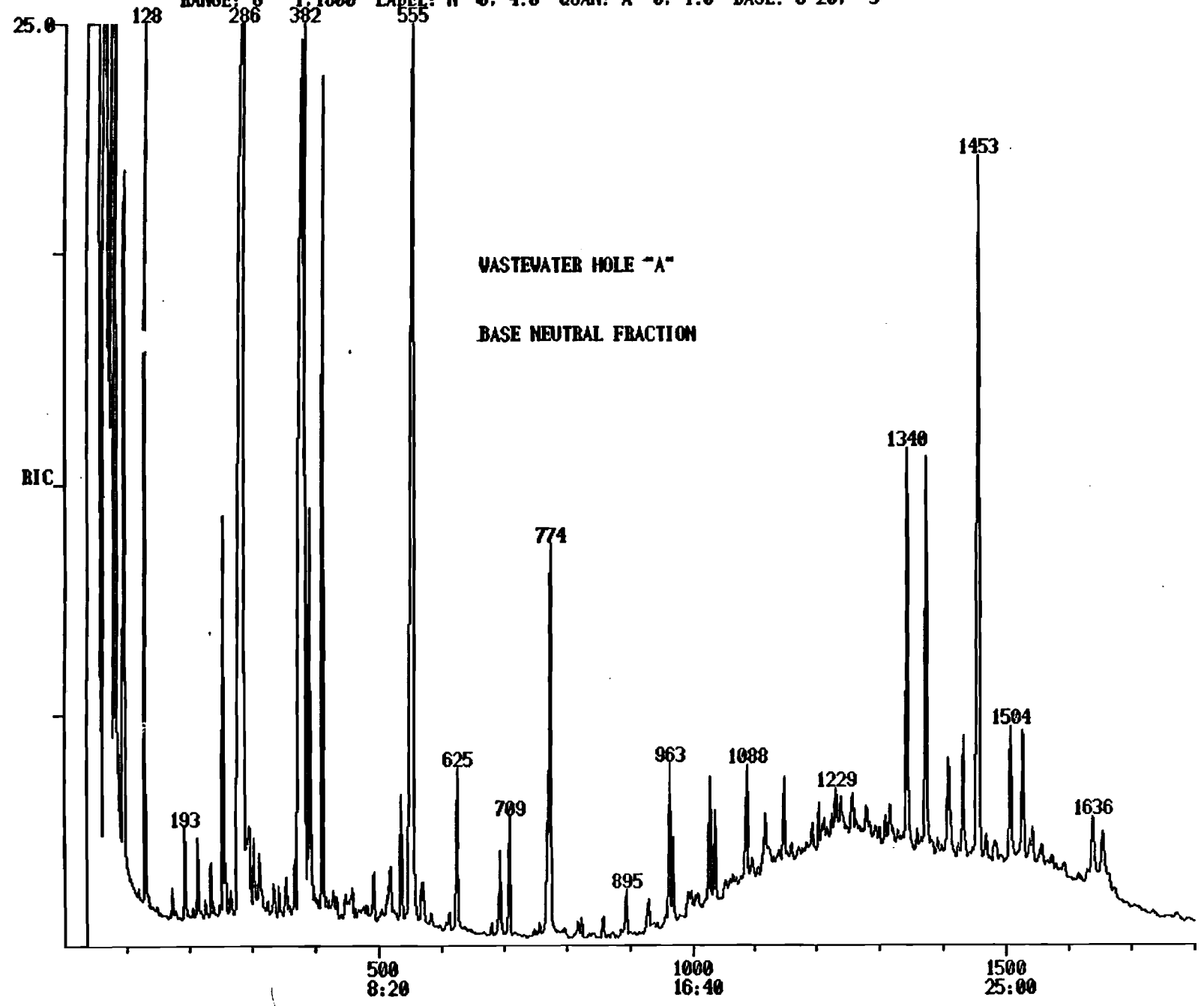
678912.



RIC
09/10/84 23:14:00
SAMPLE: LG 8/14/84 "A" BASE NEUTRAL FRACTION + IS
RANGE: G 1.1800 LABEL: N 0. 4.0 QUAN: A 0. 1.0 BASE: U 20. 3
DATA: LG081404ADM #1
CALI: CALG091084 #5

SCANS 1 TO 1000

440832.



WASTEWATER HOLE "A"
BASE NEUTRAL FRACTION

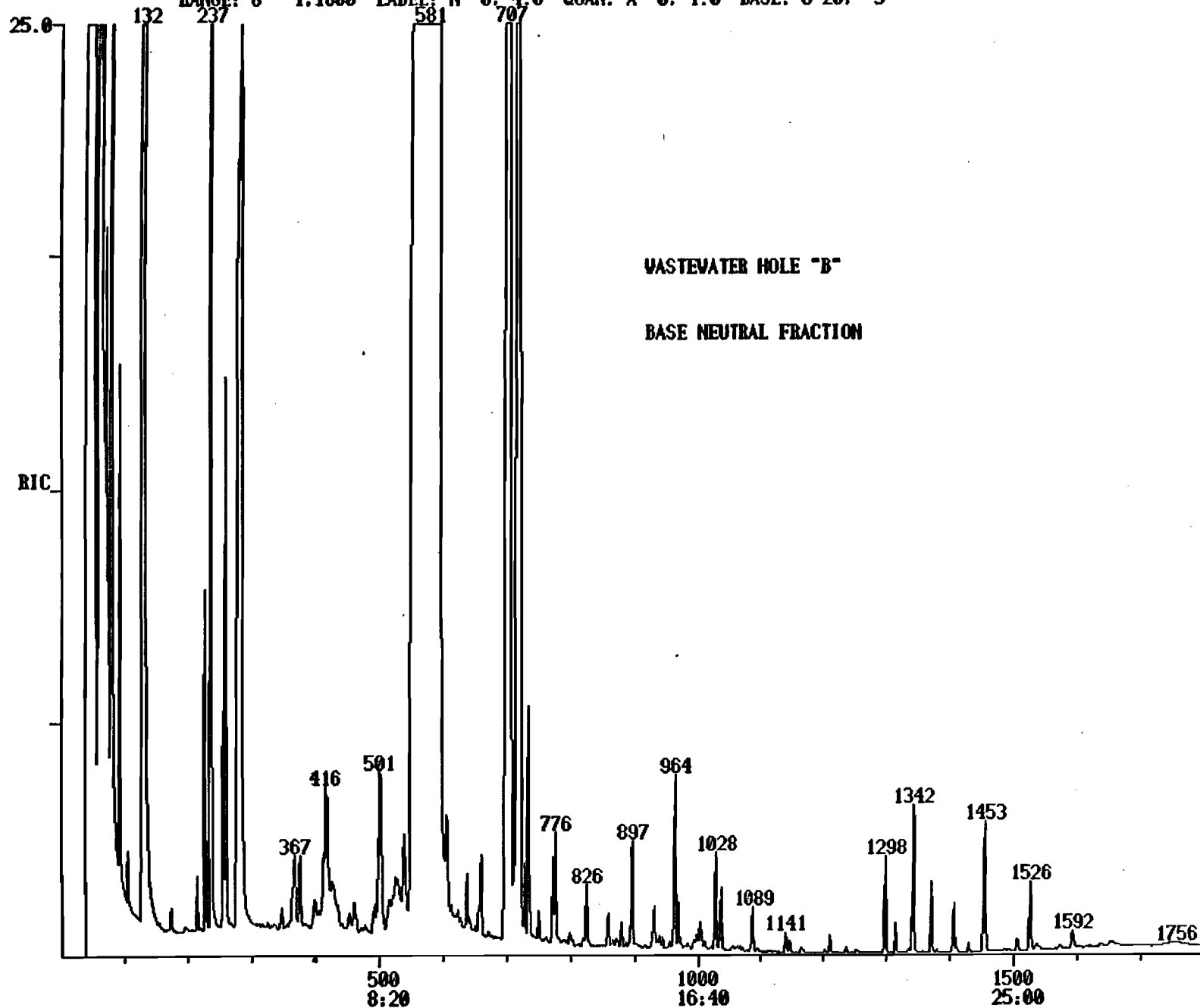
SCAN
TIME

RIC
09/10/84 23:59:00
SAMPLE: LG 8/14/84 BASE NEUTRAL FRACTION + IS
RANGE: G 1.1800 LABEL: N 0.4.0 QUAN: A 0.1.0 BASE: U 20. 3

DATA: LG081484B01 W1
CALI: CALG091084 #5

SCANS 1 10 1600

439808.



WASTEWATER HOLE "B"

BASE NEUTRAL FRACTION

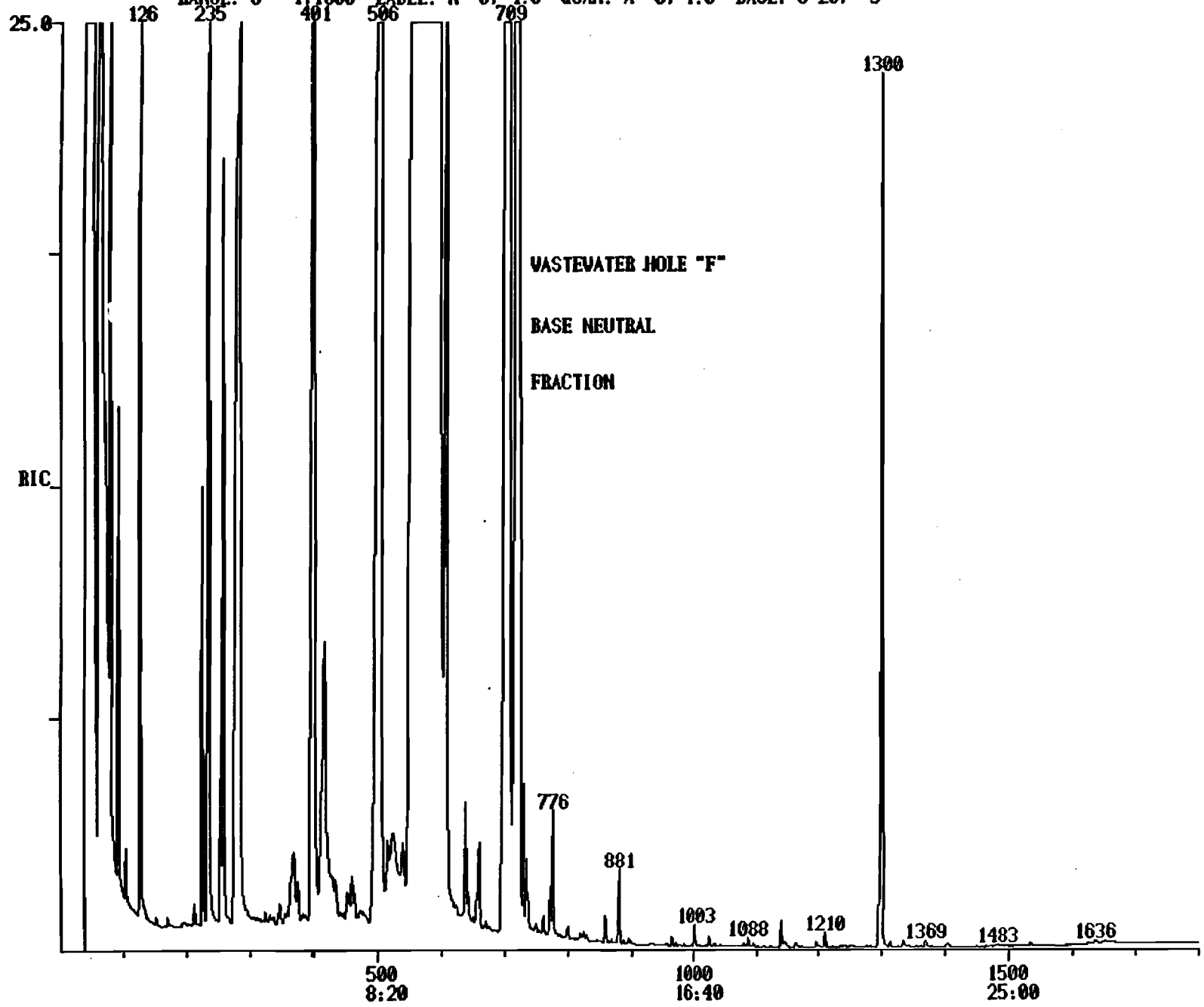
RIC

SCAN
TIME

RIC
09/11/84 1:21:00
SAMPLE: LG 8/14/84 "F" BASE NEUTRAL FRACTION + IS
RANGE: G 1.1800 LABEL: N 0.40 QUAN: A 0.10 BASE: U 20. 3
DATA: LG001707101 01
CALI: CALG091084 05

SCANS 1 TO 1000

414720.



WASTEWATER HOLE "F"
BASE NEUTRAL
FRACTION

RIC

500
8:20

1000
16:40

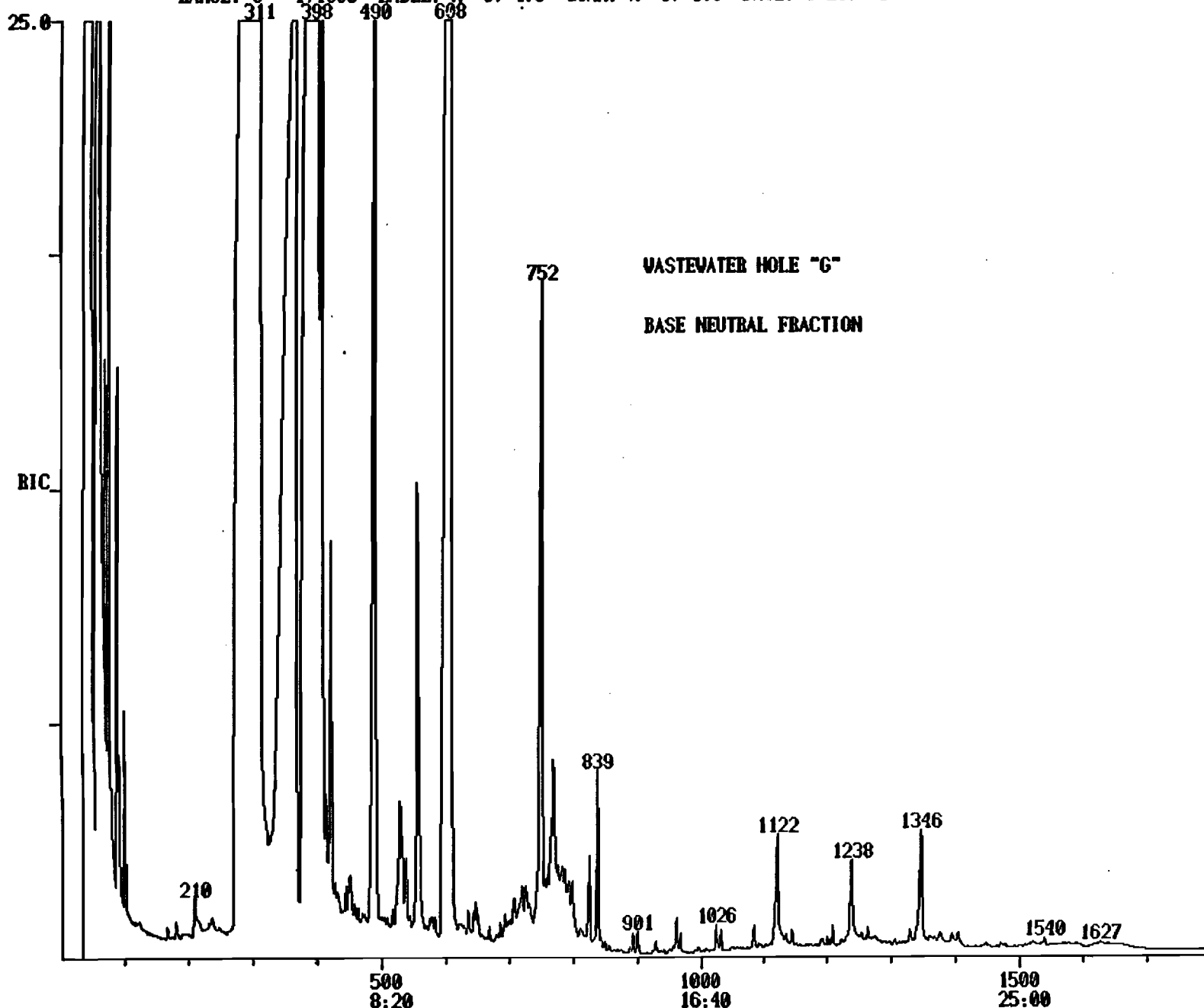
1500
25:00

SCAN
TIME

RIC
09/11/84 2:03:00
SAMPLE: LG 8/14/84 "G" BASE NEUTRAL FRACTION + IS
RANGE: G 1.1800 LABEL: N 0.4.0 QUAN: A 0.1.0 BASE: U 20. 3
DATA: LG08148400N #1
CALI: CALG091084 05

SCANS 1 TO 1000

408064.



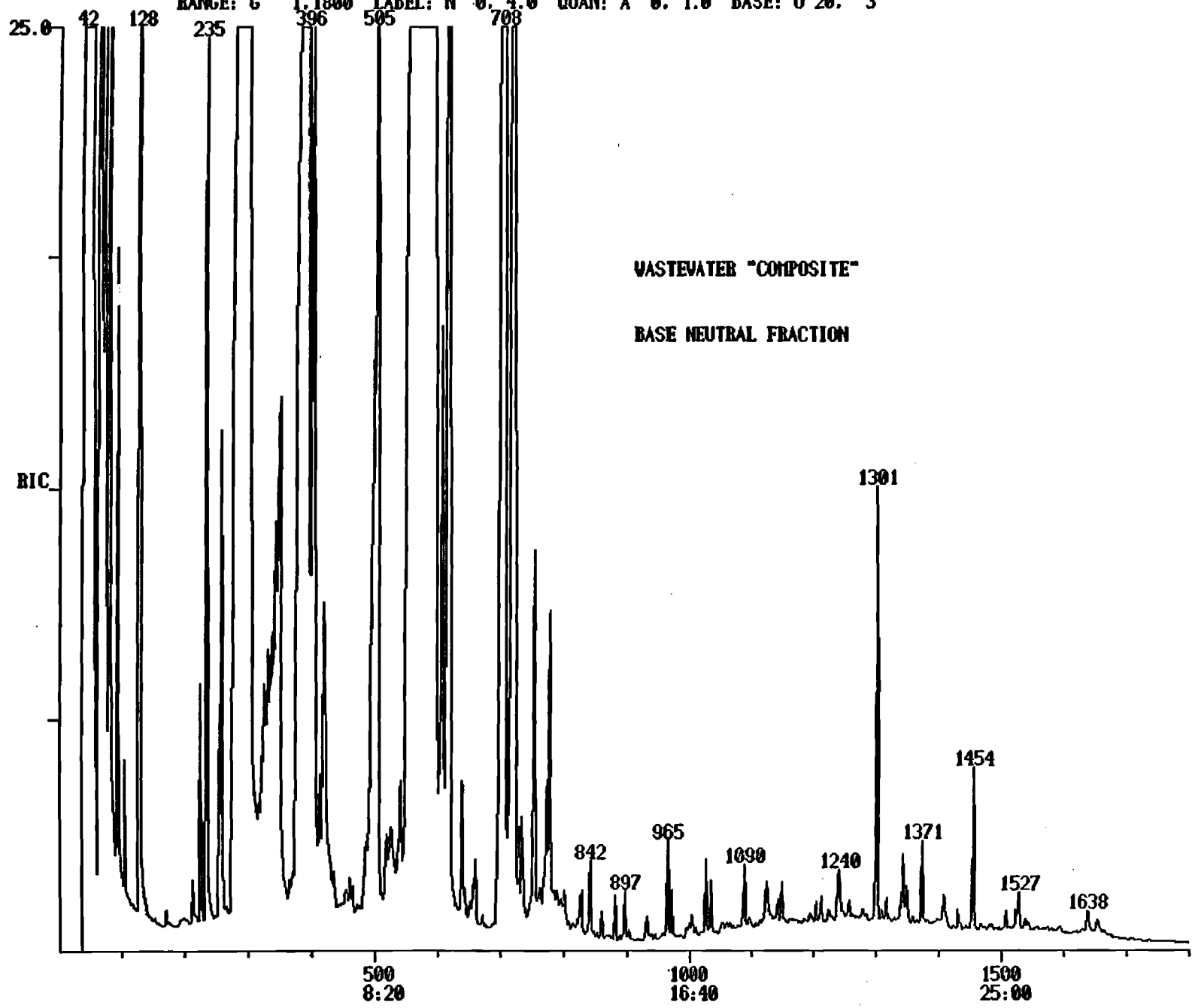
SCAN TIME

RIC
09/11/84 2:46:00
SAMPLE: LG 8/14/84 "COMPOSITE" BASE FRACTION + IS
RANGE: G 1.1800 LABEL: N 0.4.0 QUAN: A 0.1.0 BASE: U 20. 3

DATA: LOW01401001 M1
CALI: CALG091084 #5

SCANS 1 TO 1000

403456.



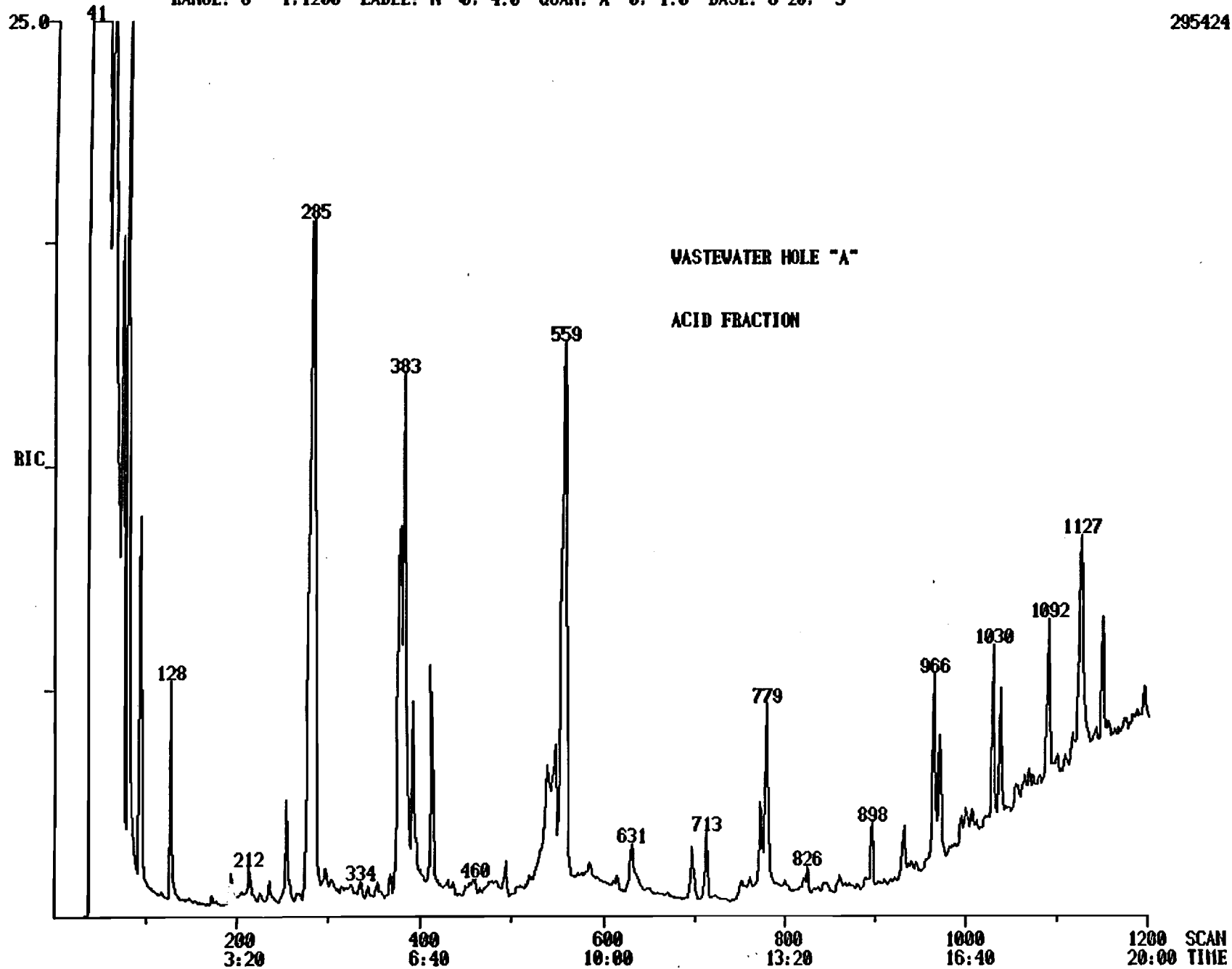
WASTEWATER "COMPOSITE"
BASE NEUTRAL FRACTION

SCAN
TIME

RIC
09/08/84 22:38:00
SAMPLE: LOCKWOOD GREENE 8/14/84 "A" ACID FRACTION + IS
RANGE: G 1.1200 LABEL: N 0. 4.0 QUAN: A 0. 1.0 BASE: U 20. 3

SCANS 1 TO 1200

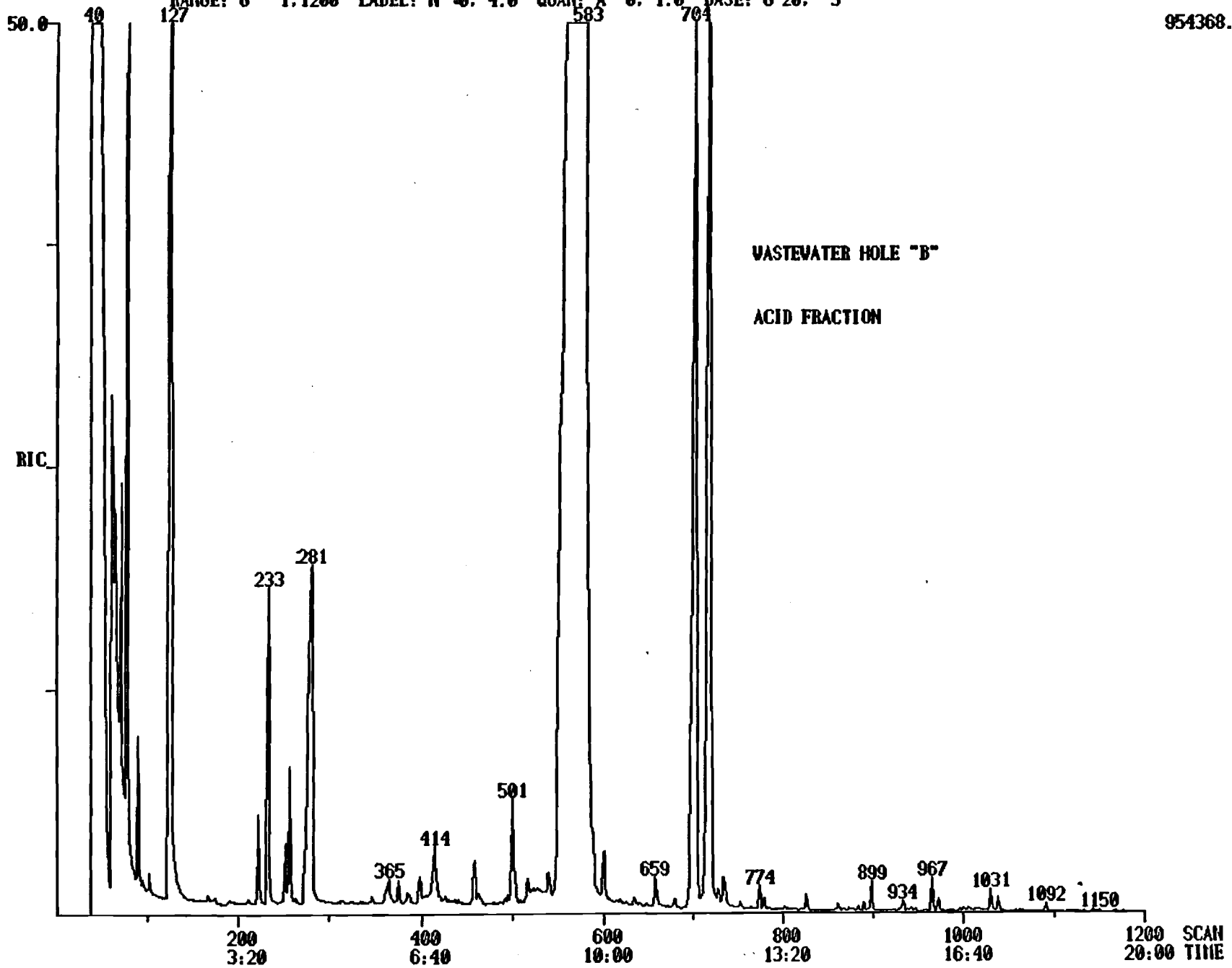
295424.



RIC
09/10/84 21:54:00
SAMPLE: LG 8/14/84 "B" ACID FRACTION + IS
RANGE: G 1.1200 LABEL: N -0.4.0 QUAN: A 0.1.0 BASE: U 20. 3
DATA: LG081484BA #1
CALI: CALG091084 #5

SCANS 1 TO 1200

954368.



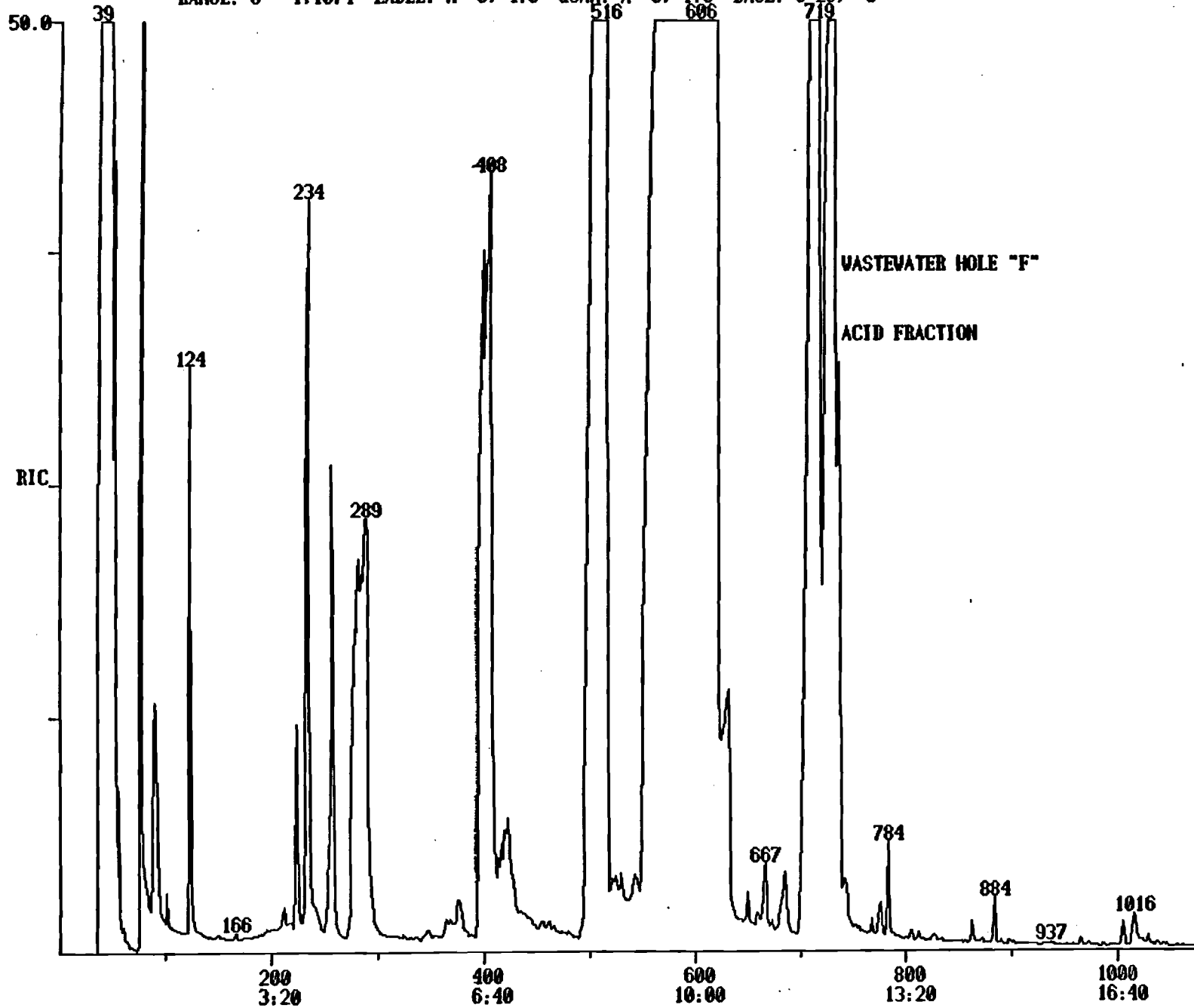
RIC
09/10/84 22:35:00
SAMPLE: LG 8/14/84 "F" ACID FRACTION + IS
RANGE: G 1.1074 LABEL: N 0. 4.0 QUAN: A

DATA: LG081484FA #1
CALI: CALG091084 #5

SCANS 1 TO 1074

BASE: U 20. 3

1014780.



WASTEWATER HOLE "F"

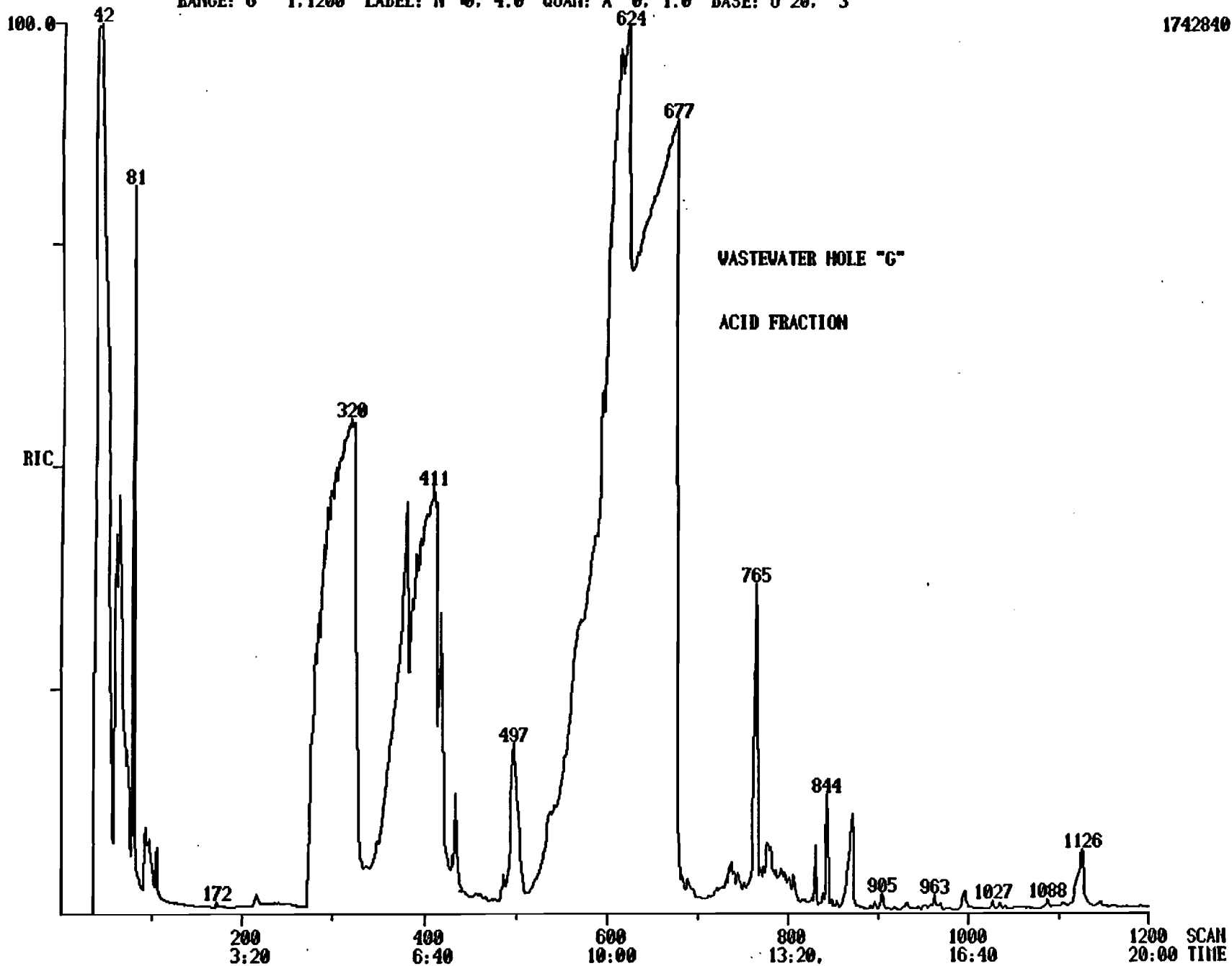
ACID FRACTION

SCAN
TIME

RIC
09/11/84 0:41:00
SAMPLE: LG 8/14/84 ACID FRACTION OF "G" + IS
RANGE: G 1.1200 LABEL: N 0. 4.0 QUAN: A 0. 1.0 BASE: U 20. 3

DATA: LG081484A #1
CALI: CALC091084 #5
SCANS 1 TO 1200

1742840.



RIC
09/10/84 21:13:00
SAMPLE: LG 8/14/84 "COMP" ACID FRACTION + IS
RANGE: G 1.1200 LABEL: N 0. 4.0 QUAN: A

DATA: LG881484LA #1
CALI: CALG091084 #5

SCANS 1 TO 1200

0. 1.0 BASE: U 20. 3

969728.

