

**REMEDIAL INVESTIGATION REPORT - VOLUME II
MOBIL OIL CORPORATION
WESTCHESTER COUNTY AIRPORT
HARRISON, NEW YORK**

**MOBIL OIL CORPORATION
ENVIRONMENTAL HEALTH AND SAFETY DEPARTMENT
P.O. BOX 1031
PRINCETON, NEW JERSEY 08540**

FEBRUARY 1997

1030-065

Prepared By:

**Malcolm Pirnie, Inc.
One International Boulevard
Mahwah, NJ 07495**

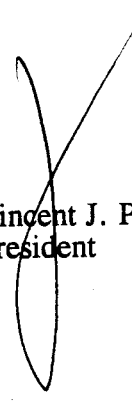
Technical Report for

Malcolm Pirnie**Former Mobil Oil Hangar D, Westchester County Airport****10309065200****Accutest Job Number: E15225**

Report to:

**Malcolm Pirnie
One International Blvd.
Mahwah, NJ 07495**

ATTN: Chuck Trione

Total number of pages in report: 71

**Vincent J. Pugliese
President**

New Jersey Certification No. 12129**Results relate only to the items tested.****This report shall not be reproduced, except in its entirety, without the written approval of Accutest Laboratories.**



Sample Summary

Malcolm Pirnie

Date: 10/24/96
Job No: E15225

Former Mobil Oil Hangar D, Westchester County Airport
Project No: 10309065200

Sample Number	Collected Date	Time	By	Received	Matrix Code Type	Client Sample ID
E15225-1	10/08/96	14:00		10/10/96	SO Soil	MW2S4 (6'-8')

Laboratory Deliverables

- | | |
|--|-------|
| 1. Cover Page, Title Page Listing Certification #, Facility Name and Address, and Date of Report. | [X] |
| 2. Table of Contents. | [X] |
| 3. Summary Sheets listing analytical results for all targeted and non-targeted compounds. | [X] |
| 4. Summary Table cross-referencing field ID #'s vs. lab ID #'s. | [X] |
| 5. Document bound, paginated and legible. | [X] |
| 6. Chain of Custody. | [X] |
| 7. Methodology Summary | [X] |
| 8. Laboratory Chronicle and Holding Time Check. | [X] |
| 9. Results submitted on a dry weight basis (if applicable) | [X] |
| 10. Method Detection Limits. | [X] |
| 11. Lab certified by NJDEPE for parameters or appropriate category of parameters or a member of the USEPA CLP. | [X] |
| 12. Non-Conformance Summary. | [X] |

Maria Kuschke
QC Reviewer

October 24, 96
Date

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For
Non-USEPA/CLP Methods

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For
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F. Miscellaneous	<u>N/A</u>
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ii. Extraction Log	
iii. GPC Chromatograms (if GPC performed)	

Report of Analysis

Page 1 of 1

Client Sample ID: MW2S4 (6'-8')	
Lab Sample ID: E15225-1	Date Sampled: 10/08/96
Matrix: SO - Soil	Date Received: 10/10/96
Method: SW846 8010/8020	Percent Solids: 86.3
Project: Former Mobil Oil Hangar D, Westchester County Airport	

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	NP7736.D	100	10/16/96	RMS	n/a	n/a	GNP244
Run #2							

VOA Halogenated List

CAS No.	Compound	Result	RDL	Units	Q
75-25-2	Bromoform	ND	23	ug/kg	
75-27-4	Bromodichloromethane	ND	23	ug/kg	
74-83-9	Bromomethane	ND	23	ug/kg	
56-23-5	Carbon tetrachloride	ND	23	ug/kg	
108-90-7	Chlorobenzene	ND	23	ug/kg	
75-00-3	Chloroethane	ND	23	ug/kg	
67-66-3	Chloroform	ND	23	ug/kg	
74-87-3	Chloromethane	ND	23	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	23	ug/kg	
124-48-1	Dibromochloromethane	ND	23	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	23	ug/kg	
75-34-3	1,1-Dichloroethane	380	23	ug/kg	
107-06-2	1,2-Dichloroethane	ND	23	ug/kg	
75-35-4	1,1-Dichloroethene	ND	23	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	23	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	23	ug/kg	
78-87-5	1,2-Dichloropropane	ND	23	ug/kg	
75-09-2	Methylene chloride	ND	23	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	23	ug/kg	
127-18-4	Tetrachloroethene	2380	23	ug/kg	
71-55-6	1,1,1-Trichloroethane	933	23	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	23	ug/kg	
79-01-6	Trichloroethene	59.3	23	ug/kg	
75-69-4	Trichlorofluoromethane	ND	23	ug/kg	
75-01-4	Vinyl chloride	ND	23	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	23	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	23	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	23	ug/kg	
156-69-4	cis-1,2-Dichloroethene	107	23	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
98-08-8	aaa-Trifluorotoluene	96 %		35-140 %
462-06-6	Fluorobenzene	97 %		42-125 %
3017-95-6	2-Bromo-1-chloropropane	104 %		41-132 %

ND = Not detected
 RDL = Reported Detection Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates that analyte is found in associated method blank
 N = Indicates presumptive evidence of a compound

MALCOLM PIRNIE, INC.

ENVIRONMENTAL LABORATORY
707 OLD SAW MILL RIVER ROAD
TARRYTOWN, NY 10591
TEL. 914-345-8230
FAX. 914-345-8741

CHAIN OF CUSTODY RECORD

PAGE

FOR LAB USE ONLY

CCR #

QUOTE #

REPORT #

NAME OF CLIENT Malcolm Pirnie, Inc.
PROJECT NUMBER 1030065200
ADDRESS One International Blvd.
CITY Manhasset STATE NY ZIP CODE 07495
CONTACT NAME Chuck Trione TEL# 201 529-4700

PROJECT DESCRIPTION: former Mobil Oil Hanger D
Westchester County Airport.

SAMPLER SIGNATURE: _____ DATE: _____

IF SAMPLE(S) REQUIRE SPECIAL QA/QC, CHECK HERE ☐ AND DESCRIBE: _____

PRESERVATIVE TYPE CHECK(S)	
1. HCl	☐
2. H2SO4	☐
3. H3PO4	☐
4. HCl	☐
5. NaOH	☐
6. Na2SO3	☐
7. None	☐
8. Other(s)	☐

NO. OF CONTAINERS

2

PRESERVATION	
1. Volatile Organic Compounds	☒
2. Acid Extractable Compounds	☐
3. Base/Neutral Extractable Compounds	☐
4. Pesticides	☐
5. PCB's	☐
6. Herbicides	☐
7. Cyanide	☐
8. Toxicity-Organics	☐
9. Toxicity-Inorganics	☐
10. Metals	☐
11. Other	☐

REMARKS

Method 8010

1444

MATRIX

Soil

TIME

1400

DATE

10/8/96

DESCRIPTION

Soil (6'-8')

SAMPLE ID

MW2S4

F1S2S-1

FORM MPI-002 1/90

Relinquished by (Signature)		Date	Time	Received by (Signature)	Date	Time	Relinquished by (Signature)	Date	Time	Received by (Signature)	Date	Time
<u>Charles T...</u>		10/9/96	0900	<u>F. J. L.</u>								
<u>F. J. L.</u>		10-10-96	0915	<u>W. J. L.</u>								

REMARKS 322 6236 781

JUN 11 A

SAMPLES RECEIVED ON ICF AT ACCITEST

Accutest Job Change Order

Request Date/Time: 10/22/96 0:00
Client: Malcolm Pernie
Phone #: (201)529-4700
Fax#: (201)529-2750

Accutest Job No. E15225
Client Project: Westchester Cty Airport
CSR: PG

Sample #:	1	Change:	Upgrade Report to Include supporting documentation @ 15% fee (\$15.90)

Sample #:		Change:	

Sample #:		Change:	

Sample #:		Change:	

Sample #:		Change:	

Sample #:		Change:	

Above Changes Per:

Chuck Trione

Date: 10/22/96

Client Approval (Signature):

To Client: In order to process the changes outlined above, PLEASE ACCEPT THE CHANGE ORDER WITH SIGNATURE AND FAX BACK TO ACCUTEST.

FAX #: (908) 329-3499.



ACCUTEST.

GC Analysis Case Narrative/Conformance/Non-Conformance Summary

Fraction: V8010 STD

- | | NO | YES |
|---|---|---|
| 1. Chromatograms Labeled/Compounds Identified. <i>(Field Samples and Method Blanks)</i> | [] | [☒] |
| 2. GC Calibration - Initial Calibration performed within 30 days before sample analysis and continuing calibration performed within 24 hours of samples analysis for 600 series and 12 hours for 8000 series. | [] | [☒] |
| 3. Blank Contamination | [☒] | [] |
| If yes, list compounds and in each blank: _____ | | |
| 4. Surrogate Recoveries Meets Criteria (if applicable). | [] | [☒] |
| If not met, list those samples which fall outside the acceptable range and confirmed by reanalysis: _____ | | |
| 5. Matrix Spike/Matrix Spike Duplicate Recoveries Meet Criteria. | [] | [☒] |
| If not met, refer to MS/MSD and blank spike summaries: _____ | | |
| 6. Retention Time Shift Meet Criteria | [] | [☒] |
| If not met, list those samples which fall outside the acceptable range and confirmed by reanalysis: _____ | | |
| 7. Extraction Holding Time Met | [] | [☒] |
| If not met, list number of days exceeded for each samples: _____ | | |
| 8. Analysis Holding Time Met | [] | [☒] |
| If not met, list number of days exceed for each sample: _____ | | |

Additional Comments: _____

QC Review Signature: Benedetta Popov

Date: 10/24/96

Spike Recovery and RPD Summary Report - WATER

Method : C:\HPCHEM\5\METHODS\VRX1015.M
 Title : 601/602 BY GC-PID AND GC-ELCD
 Last Update : Tue Oct 15 17:10:35 1996
 Response via : Initial Calibration

Non-Spiked Sample: NP7735.D

Spike Sample	Spike Duplicate Sample
File ID : NP7737.D	NP7738.D
Sample : E15139-5MS,	E15139-5MSD,
Acq Time: 16 Oct 96 02:37 PM	16 Oct 96 03:26 PM

Compound	Sample Conc	Spike Added	Spike Res	Dup Res	Spike %Rec	Dup %Rec	RPD	QC Limits % Rec	
Dichlorodifluorometh	0.0	31.0	27.5	27.7	89	89	1	25	50-150
Chloromethane	0.0	31.0	17.9	18.8	58	61	5	25	0-193
Vinyl Chloride	0.0	31.0	30.3	31.0	98	100	3	25	28-163
Bromomethane	0.0	31.0	27.9	28.4	90	92	2	25	0-144
Chloroethane	0.0	31.0	28.9	28.9	93	94	0	25	46-137
Trichlorofluorometha	0.0	31.0	32.8	32.7	106	106	0	25	21-156
1,1-Dichloroethene	0.0	31.0	29.6	30.4	96	98	3	25	28-167
Methylene Chloride	7.1	31.0	36.8	37.5	96	98	3	25	25-162
trans-1,2-Dichloroet	0.0	31.0	31.5	32.1	102	104	2	25	38-155
1,1-Dichloroethane	0.0	31.0	32.5	33.3	105	108	3	25	47-132
cis-1,2-Dichloroethe	0.0	31.0	32.1	33.3	104	108	4	25	50-150
Bromochloromethane	0.0	31.0	28.2	29.1	91	94	3	25	50-150
Chloroform	0.0	31.0	24.5	25.3	79	82	3	25	49-133
2,2-Dichloropropane	0.0	31.0	23.5	23.5	76	76	0	25	50-150
1,2-Dichloroethane	0.0	31.0	31.6	32.6	102	105	3	25	51-147
1,1,1-Trichloroethan	0.0	31.0	29.5	30.1	95	97	2	25	41-138
1,1-Dichloropropene	0.0	31.0	31.6	32.9	102	106	4	25	50-150
Carbon Tetrachloride	0.0	31.0	29.8	31.2	96	101	4	25	43-143
Dibromomethane	0.0	31.0	33.0	33.9	107	110	3	25	50-150
1,2-Dichloropropane	0.0	31.0	32.8	33.1	106	107	1	25	44-156
Trichloroethene	0.0	31.0	32.6	33.5	105	108	3	25	35-146
Bromodichloromethane	0.0	31.0	30.9	32.0	100	103	4	25	42-172
2-Chloroethylvinyl e	0.0	31.0	34.3	29.8	111	96	14	25	14-186
cis-1,3-Dichloroprop	0.0	31.0	27.4	31.5	89	102	14	25	22-178
trans-1,3-Dichloropr	0.0	31.0	32.8	32.6	106	105	1	25	22-178
1,1,2-Trichloroethan	0.0	31.0	35.2	36.1	114	117	2	25	39-136
1,3-Dichloropropane	0.0	31.0	37.3	38.4	121	124	3	25	50-150
Dibromochloromethane	0.0	31.0	33.6	34.3	108	111	2	25	24-191
1,2-Dibromoethane	0.0	31.0	36.6	37.4	118	121	2	25	50-150
Tetrachloroethene	52.0	31.0	81.5	73.2	95	69	33#	25	26-162
1,1,1,2-Tetrachloroe	0.0	31.0	32.0	32.4	103	105	1	25	50-150
Chlorobenzene	0.0	31.0	30.1	30.8	97	99	2	25	38-150
Bromoform	0.0	31.0	37.6	38.3	121	124	2	25	13-159
1,1,2,2-Tetrachloroe	0.0	31.0	39.8	41.9	129	135	5	25	8-184
1,2,3-Trichloropropa	0.0	31.0	40.0	42.4	129	137	6	25	50-150
Bromobenzene	0.0	31.0	29.6	30.3	96	98	2	25	50-150
2-Chlorotoluene	0.0	31.0	29.4	30.5	95	99	4	25	50-150
4-Chlorotoluene	0.0	31.0	28.9	29.9	93	97	3	25	50-150
1,3-Dichlorobenzene	0.0	31.0	28.5	29.3	92	95	3	25	7-187
1,4-Dichlorobenzene	0.0	31.0	28.2	28.3	91	91	0	25	42-143
1,2-Dichlorobenzene	0.0	31.0	28.4	29.0	92	94	2	25	16-208
1,2-Dibromomo-3-chlo	0.0	31.0	44.0	47.8	142	154#	8	25	50-150
1,2,4-Trichlorobenze	0.0	31.0	26.4	27.2	85	88	3	25	50-150

Hexachlorobutadiene	0.0	31.0	26.7	26.1	86	84	2	25	50-150
1,2,3-Trichlorobenze	0.0	31.0	26.1	26.5	84	86	1	25	50-150
Signal #2	0.0	31.0	0.0	0.0	0	0	99#	0	0- 0
trans-1,2-Dichloroet	0.0	31.0	27.4	27.7	88	89	1	25	50-150
cis-1,2-Dichloroethe	0.0	31.0	28.5	28.8	92	93	1	25	50-150
,1-Dichloropropene	0.0	31.0	27.0	27.4	87	88	1	25	50-150
Benzene	0.0	31.0	28.2	28.7	91	93	2	25	39-150
Trichloroethene	0.0	31.0	29.1	29.6	94	96	2	25	50-150
cis-1,3-Dichloroprop	0.0	31.0	27.1	27.1	87	88	0	25	22-178
trans-1,3-Dichloropr	0.0	31.0	28.4	28.7	92	93	1	25	22-178
Toluene	0.0	31.0	29.0	29.4	94	95	1	25	46-148
Tetrachloroethene	53.4	31.0	81.7	73.2	91	64	35#	25	50-150
Chlorobenzene	0.0	31.0	27.1	27.6	87	89	2	25	55-135
Ethylbenzene	0.0	31.0	27.2	27.6	88	89	2	25	32-160
m,p-Xylene	0.0	61.9	54.1	55.1	87	89	2	25	50-150
Styrene	0.0	31.0	26.7	27.1	86	88	2	25	50-150
o-Xylene	0.0	31.0	26.8	27.3	86	88	2	25	50-150
Isopropylbenzene	0.0	31.0	26.4	26.8	85	87	2	25	50-150
Bromobenzene	0.0	31.0	26.6	27.2	86	88	2	25	50-150
n-Propylbenzene	0.0	31.0	26.1	26.5	84	86	1	25	50-150
2-Chlorotoluene	0.0	31.0	26.7	27.0	86	87	1	25	50-150
4-Chlorotoluene	0.0	31.0	25.8	26.3	83	85	2	25	50-150
1,3,5-Trimethylbenze	0.0	31.0	26.0	26.4	84	85	1	25	50-150
tert-Butylbenzene	0.0	31.0	28.8	29.1	93	94	1	25	50-150
1,2,4-Trimethylbenze	0.0	31.0	26.0	26.5	84	86	2	25	50-150
sec-Butylbenzene	0.0	31.0	25.8	26.1	83	84	1	25	50-150
1,3-Dichlorobenzene	0.0	31.0	24.9	25.5	80	82	2	25	50-141
1,4-Dichlorobenzene	0.0	31.0	25.1	25.8	81	83	3	25	42-143
p-Isopropyltoluene	0.0	31.0	25.2	25.5	81	82	1	25	50-150
1,2-Dichlorobenzene	0.0	31.0	25.6	26.2	83	85	2	25	37-154
n-Butylbenzene	0.0	31.0	25.1	25.2	81	81	0	25	50-150
1,2,4-Trichlorobenze	0.0	31.0	24.1	25.5	78	82	6	25	50-150
Naphthalene	0.0	31.0	30.9	36.0	100	116	15	25	50-150
Hexachlorobutadiene	0.0	31.0	23.4	23.7	76	77	2	25	50-150
1,2,3-Trichlorobenze	0.0	31.0	24.9	25.1	80	81	1	25	50-150
Methyl tert butyl et	0.0	31.0	32.7	33.7	106	109	3	25	50-150
2-Chloroethylvinyl e	0.0	31.0	31.2	26.5	101	85	17	25	14-156

VRX1015.M

Thu Oct 17 14:46:42 1996

RPT1

Blank Spike Recovery Summary Report - WATER

Method : C:\HPCHEM\5\METHODS\VRX1015.M
 Title : 601/602 BY GC-PID AND GC-ELCD
 Last Update : Tue Oct 15 17:10:35 1996
 Response via : Initial Calibration

Blank: NP7732.D

Blank Sample	Blank spike Sample
File ID : NP7732.D	NP7739.D
Sample : MBI,	BS,
Acq Time: 16 Oct 96 10:39 AM	16 Oct 96 04:13 PM

Compound	Blank Conc	Spike Added	Spike Res	Spike %Rec	QC Limits
Dichlorodifluorometh	0.00	5.00	4.30	86	50 - 150
Chloromethane	0.00	5.00	3.95	79	0 - 193
Vinyl Chloride	0.00	5.00	4.87	97	28 - 163
Bromomethane	0.00	5.00	4.55	91	0 - 144
Chloroethane	0.00	5.00	4.57	91	46 - 137
Trichlorofluorometha	0.00	5.00	5.29	106	21 - 156
1,1-Dichloroethene	0.00	5.00	5.05	101	28 - 167
Methylene Chloride	0.00	5.00	4.83	97	25 - 162
trans-1,2-Dichloroet	0.00	5.00	5.30	106	38 - 155
1,1-Dichloroethane	0.00	5.00	5.47	109	47 - 132
cis-1,2-Dichloroethe	0.00	5.00	5.41	108	50 - 150
Bromochloromethane	0.00	5.00	5.31	106	50 - 150
Chloroform	0.00	5.00	5.74	115	49 - 133
2,2-Dichloropropane	0.00	5.00	4.60	92	50 - 150
1,2-Dichloroethane	0.00	5.00	5.81	116	51 - 147
1,1,1-Trichloroethan	0.00	5.00	5.07	101	41 - 138
1,1-Dichloropropene	0.00	5.00	5.32	106	50 - 150
Carbon Tetrachloride	0.00	5.00	5.08	102	43 - 143
Dibromomethane	0.00	5.00	5.51	110	50 - 150
1,2-Dichloropropane	0.00	5.00	5.51	110	44 - 156
Trichloroethene	0.00	5.00	5.36	107	35 - 146
Bromodichloromethane	0.00	5.00	5.31	106	42 - 172
2-Chloroethylvinyl e	0.00	5.00	7.06	141	14 - 186
cis-1,3-Dichloroprop	0.00	5.00	5.26	105	22 - 178
trans-1,3-Dichloropr	0.00	5.00	5.71	114	22 - 178
1,1,2-Trichloroethan	0.00	5.00	6.15	123	39 - 136
1,3-Dichloropropane	0.00	5.00	6.16	123	50 - 150
Dibromochloromethane	0.00	5.00	5.81	116	24 - 191
1,2-Dibromoethane	0.00	5.00	6.45	129	50 - 150
Tetrachloroethene	0.00	5.00	5.31	106	26 - 162
1,1,1,2-Tetrachloroe	0.00	5.00	5.55	111	50 - 150
Chlorobenzene	0.00	5.00	5.35	107	38 - 150
Bromoform	0.00	5.00	6.74	135	13 - 159
1,1,2,2-Tetrachloroe	0.00	5.00	7.12	142	8 - 184
1,2,3-Trichloropropa	0.00	5.00	7.22	144	50 - 150
Bromobenzene	0.00	5.00	5.75	115	50 - 150
2-Chlorotoluene	0.00	5.00	5.47	109	50 - 150
3-Chlorotoluene	0.00	5.00	5.33	107	50 - 150
1,3-Dichlorobenzene	0.00	5.00	5.55	111	7 - 187
1,4-Dichlorobenzene	0.00	5.00	5.40	108	42 - 143
1,2-Dichlorobenzene	0.00	5.00	5.48	110	0 - 208
1,2-Dibromomo-3-chlo	0.00	5.00	7.12	142	50 - 150
1,2,4-Trichlorobenze	0.00	5.00	5.61	112	50 - 150

Hexachlorobutadiene	0.00	5.00	5.46	109	50 - 150
1,2,3-Trichlorobenze	0.00	5.00	5.66	113	50 - 150
Signal #2	0.00	5.00	0.00	0	0 - 0
trans-1,2-Dichloroet	0.00	5.00	4.62	92	50 - 150
cis-1,2-Dichloroethe	0.00	5.00	4.76	95	50 - 150
,1-Dichloropropene	0.00	5.00	4.72	94	50 - 150
Benzene	0.00	5.00	4.81	96	39 - 150
Trichloroethene	0.00	5.00	4.82	96	50 - 150
cis-1,3-Dichloroprop	0.00	5.00	4.84	97	22 - 178
trans-1,3-Dichloropr	0.00	5.00	5.12	102	22 - 178
Toluene	0.00	5.00	4.91	98	46 - 148
Tetrachloroethene	0.00	5.00	4.88	98	50 - 150
Chlorobenzene	0.00	5.00	4.96	99	55 - 135
Ethylbenzene	0.00	5.00	4.91	98	32 - 160
m,p-Xylene	0.00	10.00	9.86	99	50 - 150
Styrene	0.00	5.00	4.99	100	50 - 150
o-Xylene	0.00	5.00	4.95	99	50 - 150
Isopropylbenzene	0.00	5.00	4.90	98	50 - 150
Bromobenzene	0.00	5.00	5.08	102	50 - 150
n-Propylbenzene	0.00	5.00	4.96	99	50 - 150
2-Chlorotoluene	0.00	5.00	5.04	101	50 - 150
4-Chlorotoluene	0.00	5.00	4.95	99	50 - 150
1,3,5-Trimethylbenze	0.00	5.00	4.93	99	50 - 150
tert-Butylbenzene	0.00	5.00	5.03	101	50 - 150
1,2,4-Trimethylbenze	0.00	5.00	4.98	100	50 - 150
sec-Butylbenzene	0.00	5.00	5.01	100	50 - 150
1,3-Dichlorobenzene	0.00	5.00	4.94	99	50 - 141
1,4-Dichlorobenzene	0.00	5.00	5.02	100	42 - 143
p-Isopropyltoluene	0.00	5.00	4.92	98	50 - 150
1,2-Dichlorobenzene	0.00	5.00	5.14	103	37 - 154
n-Butylbenzene	0.00	5.00	4.91	98	50 - 150
1,2,4-Trichlorobenze	0.00	5.00	5.13	103	50 - 150
Naphthalene	0.00	5.00	6.89	138	50 - 150
Hexachlorobutadiene	0.00	5.00	4.90	98	50 - 150
1,2,3-Trichlorobenze	0.00	5.00	5.42	108	50 - 150
Methyl tert butyl et	0.00	5.00	5.65	113	50 - 150
2-Chloroethylvinyl e	0.00	5.00	6.31	126	14 - 156

VRX1015.M

Thu Oct 17 14:48:59 1996

RPT1

Method Blank Summary

Page 1 of 1

Job Number: E15225

Account: MPNJ Malcolm Pirnie

Project: Former Mobil Oil Hangar D, Westchester County Airport

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GNP244-MB2	NP7733.D	1	10/16/96	RMS	n/a	n/a	GNP244

The QC reported here applies to the following samples:

Method: SW846 8010/8020

E15225-1

CAS No.	Compound	Result	RDL	Units	Q
75-25-2	Bromoform	ND	0.20	ug/kg	
75-27-4	Bromodichloromethane	ND	0.20	ug/kg	
74-83-9	Bromomethane	ND	0.20	ug/kg	
56-23-5	Carbon tetrachloride	ND	0.20	ug/kg	
108-90-7	Chlorobenzene	ND	0.20	ug/kg	
75-00-3	Chloroethane	ND	0.20	ug/kg	
67-66-3	Chloroform	ND	0.20	ug/kg	
74-87-3	Chloromethane	ND	0.20	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	0.20	ug/kg	
124-48-1	Dibromochloromethane	ND	0.20	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	0.20	ug/kg	
75-34-3	1,1-Dichloroethane	ND	0.20	ug/kg	
107-06-2	1,2-Dichloroethane	ND	0.20	ug/kg	
75-35-4	1,1-Dichloroethene	ND	0.20	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	0.20	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	0.20	ug/kg	
78-87-5	1,2-Dichloropropane	ND	0.20	ug/kg	
75-09-2	Methylene chloride	ND	0.20	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.20	ug/kg	
127-18-4	Tetrachloroethene	ND	0.20	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	0.20	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	0.20	ug/kg	
79-01-6	Trichloroethene	ND	0.20	ug/kg	
75-69-4	Trichlorofluoromethane	ND	0.20	ug/kg	
75-01-4	Vinyl chloride	ND	0.20	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	0.20	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	0.20	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	0.20	ug/kg	
156-69-4	cis-1,2-Dichloroethene	ND	0.20	ug/kg	

CAS No.	Surrogate Recoveries	Limits
98-08-8	aaa-Trifluorotoluene	98 % 35-140 %
462-06-6	Fluorobenzene	98 % 42-125 %
3017-95-6	2-Bromo-1-chloropropane	97 % 41-132 %

Report of Analysis

Page 1 of 1

Client Sample ID: MW2S4 (6'-8')

Lab Sample ID: E15225-1

Date Sampled: 10/08/96

Matrix: SO - Soil

Date Received: 10/10/96

Method: SW846 8010/8020

Percent Solids: 86.3

Project: Former Mobil Oil Hangar D, Westchester County Airport

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	NP7736.D	100	10/16/96	RMS	n/a	n/a	GNP244
Run #2							

VOA Halogenated List

CAS No.	Compound	Result	RDL	Units	Q
75-25-2	Bromoform	ND	23	ug/kg	
75-27-4	Bromodichloromethane	ND	23	ug/kg	
74-83-9	Bromomethane	ND	23	ug/kg	
56-23-5	Carbon tetrachloride	ND	23	ug/kg	
108-90-7	Chlorobenzene	ND	23	ug/kg	
75-00-3	Chloroethane	ND	23	ug/kg	
67-66-3	Chloroform	ND	23	ug/kg	
74-87-3	Chloromethane	ND	23	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	23	ug/kg	
124-48-1	Dibromochloromethane	ND	23	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	23	ug/kg	
75-34-3	1,1-Dichloroethane	380	23	ug/kg	
107-06-2	1,2-Dichloroethane	ND	23	ug/kg	
75-35-4	1,1-Dichloroethene	ND	23	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	23	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	23	ug/kg	
78-87-5	1,2-Dichloropropane	ND	23	ug/kg	
75-09-2	Methylene chloride	ND	23	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	23	ug/kg	
127-18-4	Tetrachloroethene	2380	23	ug/kg	
71-55-6	1,1,1-Trichloroethane	933	23	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	23	ug/kg	
79-01-6	Trichloroethene	59.3	23	ug/kg	
75-69-4	Trichlorofluoromethane	ND	23	ug/kg	
75-01-4	Vinyl chloride	ND	23	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	23	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	23	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	23	ug/kg	
156-69-4	cis-1,2-Dichloroethene	107	23	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
98-08-8	aaa-Trifluorotoluene	96 %		35-140 %
462-06-6	Fluorobenzene	97 %		42-125 %
3017-95-6	2-Bromo-1-chloropropane	104 %		41-132 %

ND = Not detected

RDL = Reported Detection Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates that analyte is found in associated method blank

N = Indicates presumptive evidence of a compound

15

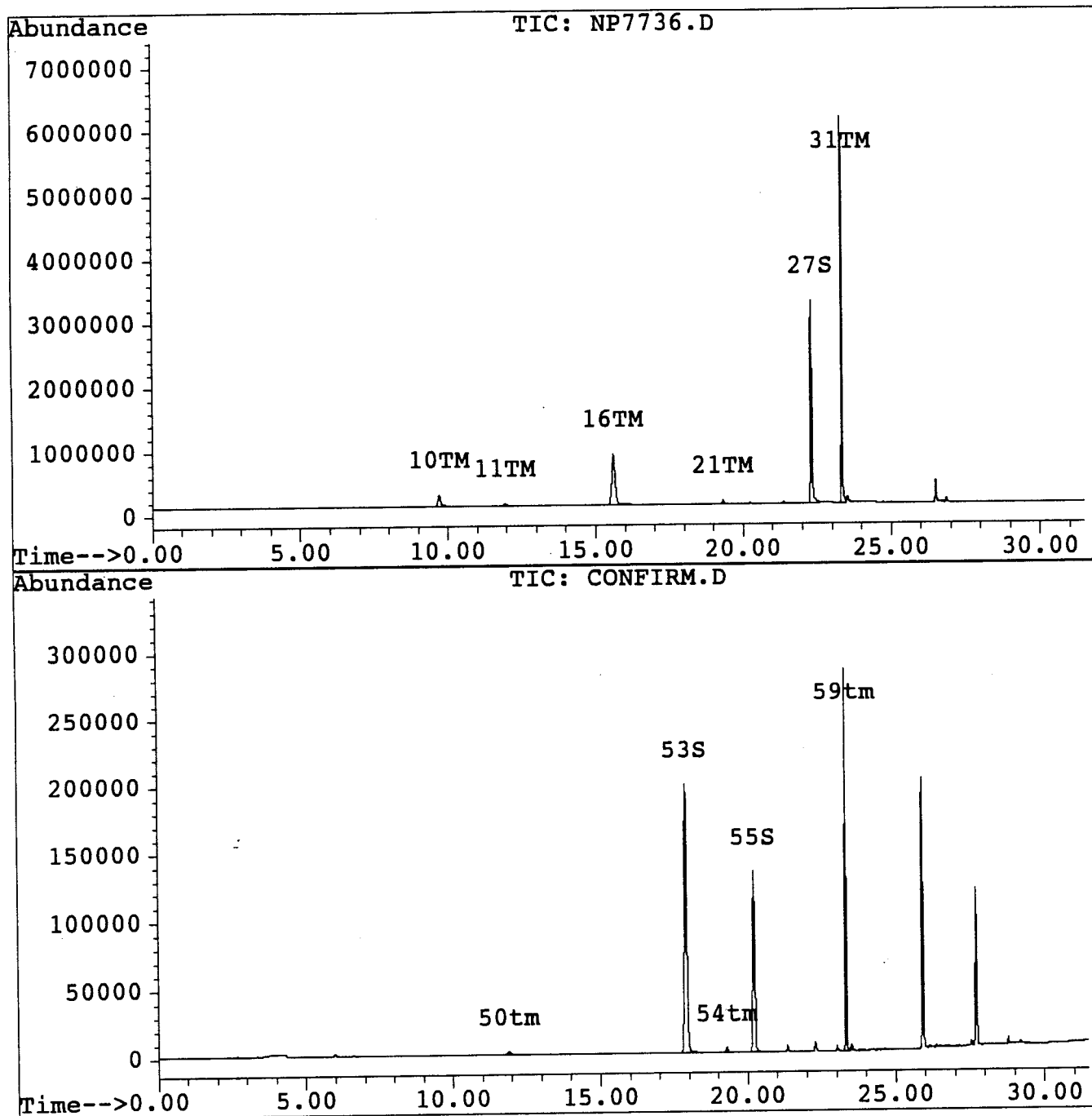
Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\NP7736.D
 Signal #2 : C:\HPCHEM\5\DATA\NP7736.D\CONFIRM.D
 Acq On : 16 Oct 96 01:49 PM
 Sample : E15225-1,V8010STD
 Misc : GC2990,GNP244,S,,,100
 Quant Time: Oct 16 14:28 1996

Vial: 14
 Operator: RMS
 Inst : GC-NP
 Multiplr: 115.90

Method : C:\HPCHEM\5\METHODS\VRX1015.M
 Title : 601/602 BY GC-PID AND GC-ELCD
 Last Update : Tue Oct 15 17:10:35 1996
 Response via : Multiple Level Calibration

Volume Inj. : 5.0 ML PURGE VOLUME
 Signal #1 Phase : (ELCD) J+W DBVRX Signal #2 Phase: (PID) J+W DBVRX 75mX
 Signal #1 Info : Signal #2 Info :

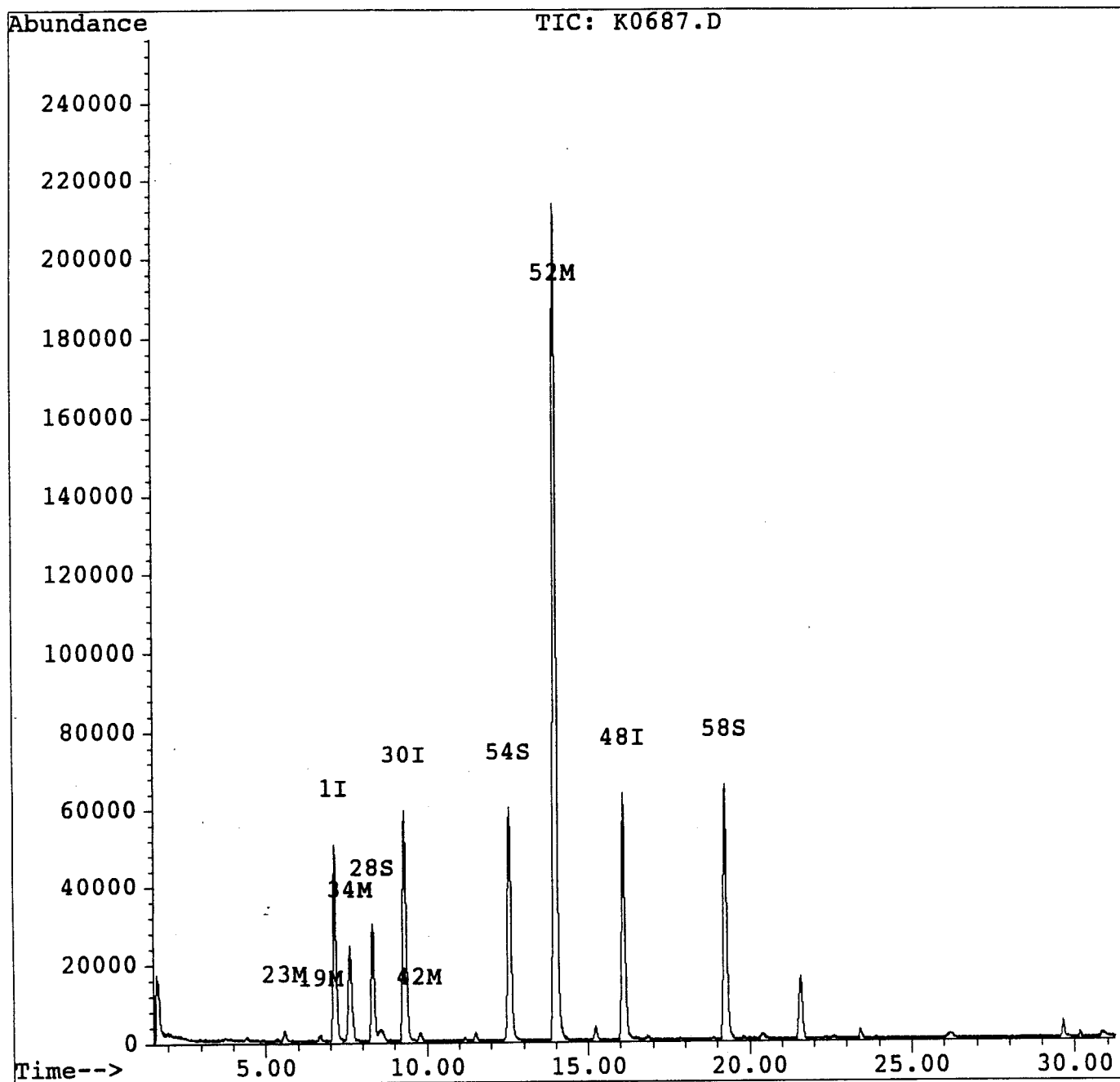


Quantitation Report

Data File : C:\HPCHEM\2\DATA\K0687.D
 Acq On : 17 Oct 96 7:56 pm
 Sample : E15225-1
 Misc : 10/17/96,VK352,S,,,,10
 Quant Time: Oct 18 10:22 1996

Vial: 5
 Operator: LAI
 Inst : 5970 - In
 Multiplr: 11.59

Method : C:\HPCHEM\2\METHODS\K1015.M
 Title : VOA Standards for 5 point calibration
 Last Update : Wed Oct 16 10:26:03 1996
 Response via : Multiple Level Calibration



Quantitation Report

Data File : C:\HPCHEM\2\DATA\K0687.D
Acq On : 17 Oct 96 7:56 pm
Sample : E15225-1
Misc : 10/17/96,VK352,S,,,,10
Quant Time: Oct 18 10:22 1996

Vial: 5
Operator: LAI
Inst : 5970 - In
Multiplr: 11.59

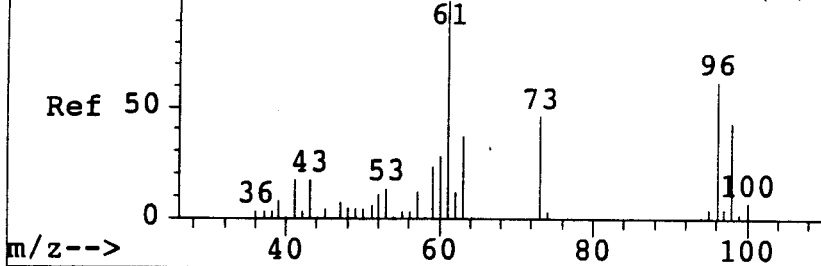
Method : C:\HPCHEM\2\METHODS\K1015.M
Title : VOA Standards for 5 point calibration
Last Update : Wed Oct 16 10:26:03 1996
Response via : Multiple Level Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.13	128	41120	50.00	ug/l	0.00
30) 1,4-Difluorobenzene	9.30	114	174022	50.00	ug/l	0.03
48) Chlorobenzene-d5	16.10	117	130357	50.00	ug/l	0.03

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	%Recovery
28) 1,2-Dichloroethane-d4	8.31	65	72694	53.09	ug/l	106.18%
54) Toluene-d8	12.57	98	162375	50.08	ug/l	100.15%
58) 4-Bromofluorobenzene	19.25	95	47049	20.50	ug/l	40.99%

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) cis-1,2-Dichloroethylene	6.70	61	2955	22.53	ug/l m	100
23) 1,1-Dichloroethane	5.59	63	8817	52.12	ug/l m	98
34) 1,1,1-Trichloroethane	7.61	97	56481	305.93	ug/l	99
42) Trichloroethene	9.75	130	2752	21.69	ug/l m	93
52) Tetrachloroethene	13.99	164	200683	1717.40	ug/l m	80

AbundanceScan 409 (4.815 min): K0023.D (-,*

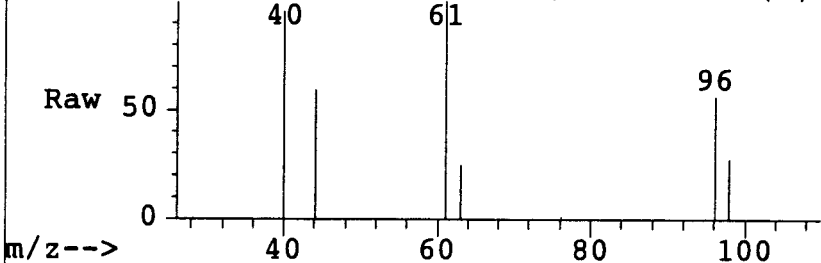


#19

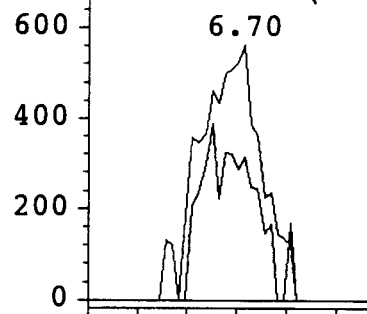
cis-1,2-Dichloroethylene
Concen: 22.53 ug/l m
RT: 6.70 min Scan# 643
Delta R.T. 0.03 min
Lab File: K0687.D
Acq: 17 Oct 96 7:56 pm

Tgt Ion:	61	Resp:	2955
Ion	Ratio	Lower	Upper
61	100		
61	100.0	80.1	120.1
96	56.0	0.1	0.1#
0	0.0	0.0	0.0

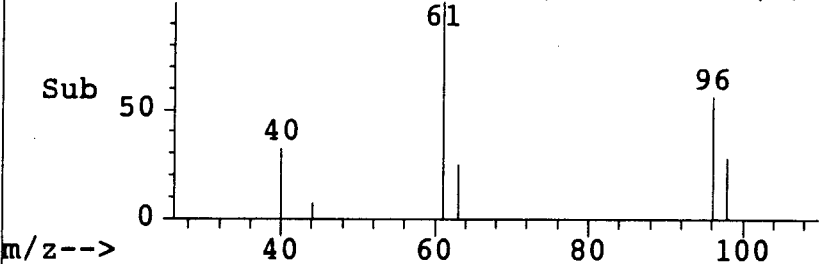
AbundanceScan 643 (6.697 min): K0687.D (*)



AbundanceIon 61.00 (60.
Ion 61.00 (60.
Ion 96.00 (95.

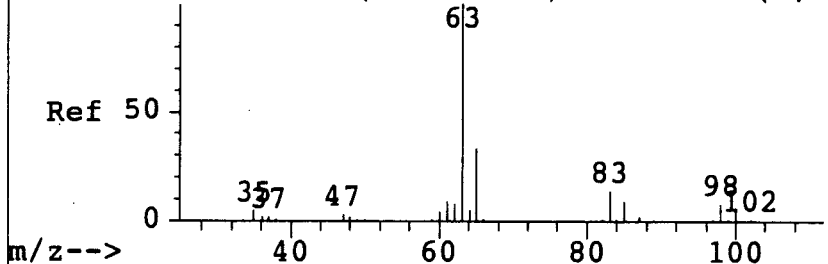


AbundanceScan 643 (6.697 min): K0687.D (-,*



Time-->6.50 6.81

AbundanceScan 502 (5.565 min): K0023.D (-,*

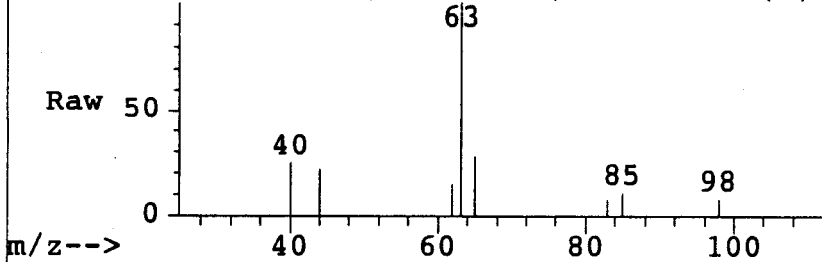


#23

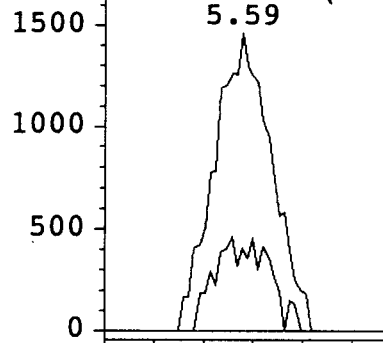
1,1-Dichloroethane
Concen: 52.12 ug/l m
RT: 5.59 min Scan# 505
Delta R.T. 0.02 min
Lab File: K0687.D
Acq: 17 Oct 96 7:56 pm

Tgt Ion:	63	Resp:	8817
Ion	Ratio	Lower	Upper
63	100		
65	27.9	9.1	49.1
0	0.0	0.0	0.0
0	0.0	0.0	0.0

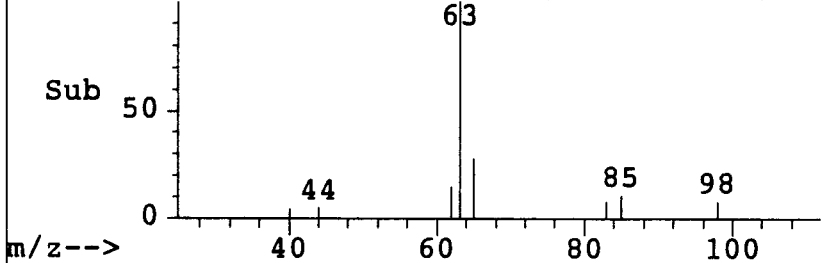
AbundanceScan 505 (5.586 min): K0687.D (*)



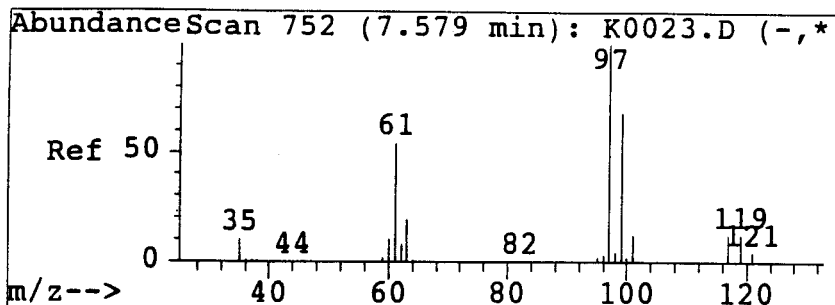
AbundanceIon 63.00 (62.
Ion 65.00 (64.
5.59



AbundanceScan 505 (5.586 min): K0687.D (-,*

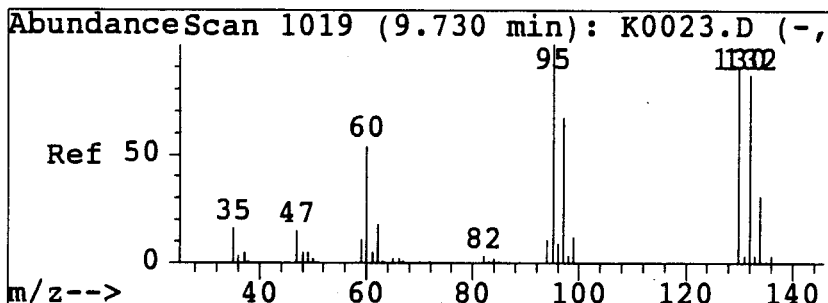
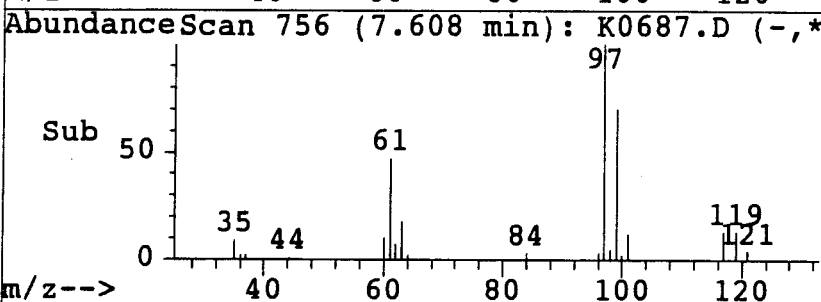
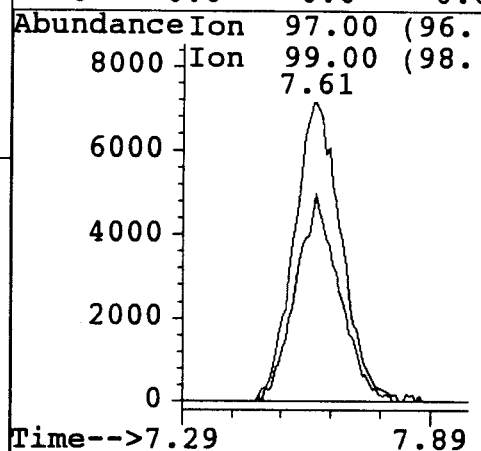
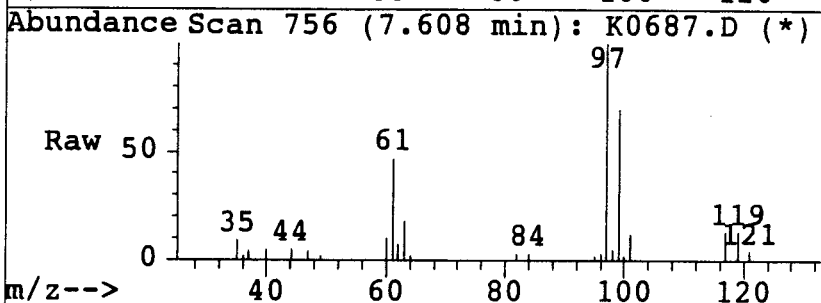


Time-->5.38 5.75



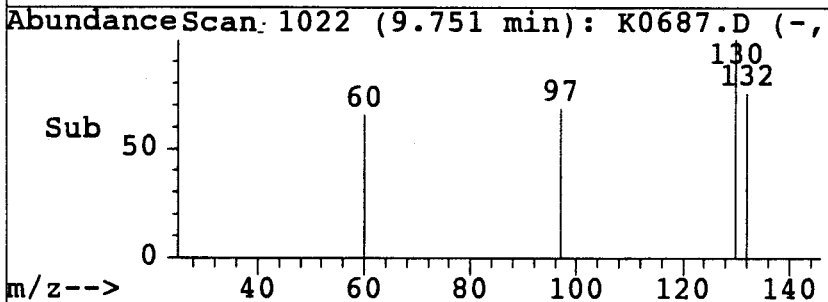
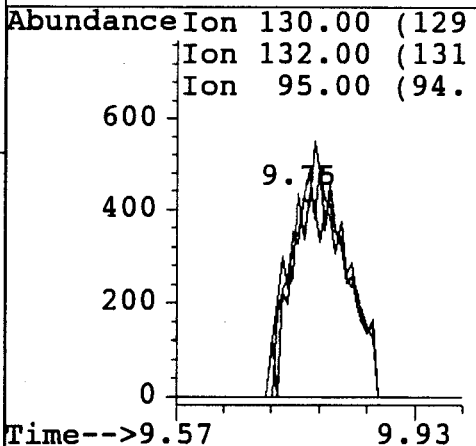
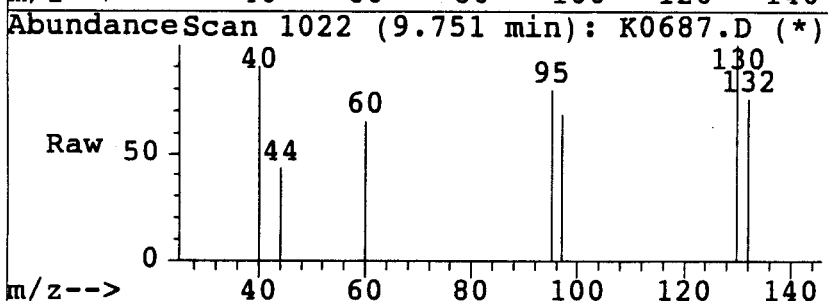
#34
1,1,1-Trichloroethane
Concen: 305.93 ug/l
RT: 7.61 min Scan# 756
Delta R.T. 0.02 min
Lab File: K0687.D
Acq: 17 Oct 96 7:56 pm

Tgt	Ion:97	Resp:	56481
Ion	Ratio	Lower	Upper
97	100		
99	70.2	49.6	89.6
0	0.0	0.0	0.0
0	0.0	0.0	0.0

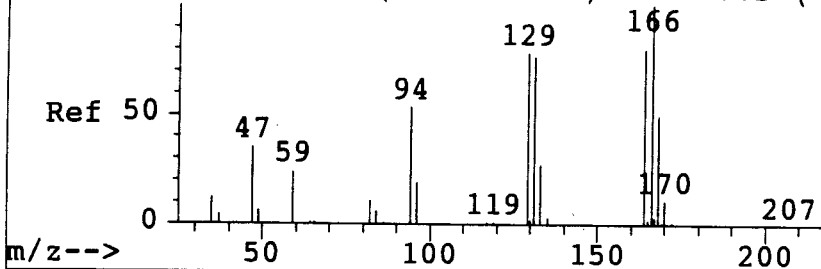


#42
Trichloroethene
Concen: 21.69 ug/l m
RT: 9.75 min Scan# 1022
Delta R.T. -0.01 min
Lab File: K0687.D
Acq: 17 Oct 96 7:56 pm

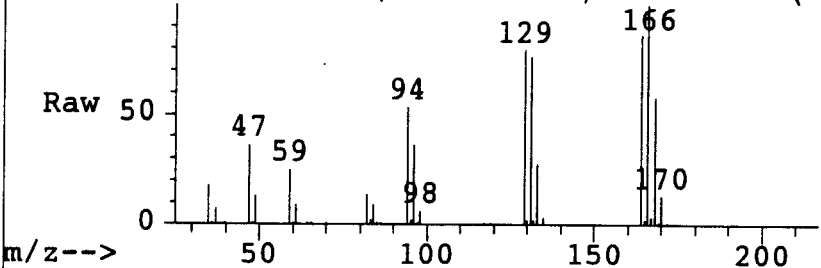
Tgt	Ion:130	Resp:	2752
Ion	Ratio	Lower	Upper
130	100		
132	75.0	75.5	115.5#
95	78.9	95.2	135.2#
0	0.0	0.0	0.0



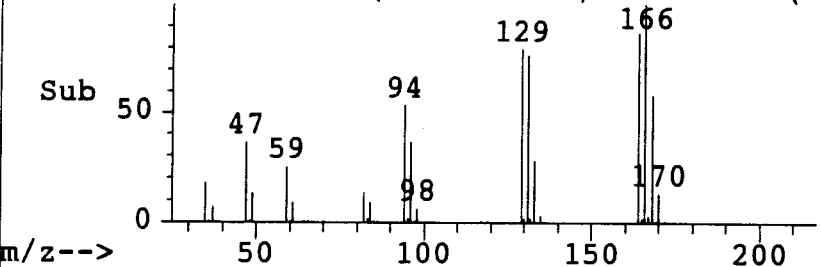
AbundanceScan 1543 (13.951 min): K0023.D (-



AbundanceScan 1548 (13.989 min): K0687.D (*



AbundanceScan 1548 (13.989 min): K0687.D (-



#52

Tetrachloroethene

Concen: 1717.40 ug/l m

RT: 13.99 min Scan# 1548

Delta R.T. 0.02 min

Lab File: K0687.D

Acq: 17 Oct 96 7:56 pm

Tgt Ion:164 Resp: 200683

Ion Ratio Lower Upper

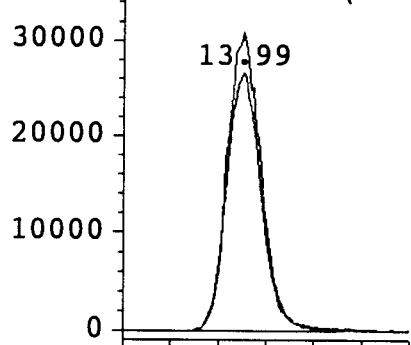
164 100

166 115.9 120.1 160.1#

0 0.0 0.0 0.0

0 0.0 0.0 0.0

AbundanceIon 164.00 (163
Ion 166.00 (165



Time-->13.60 14.37

Calibration Table Report
Method: VRI1015.M
Title: 601/602 BY GC-PID AND GC-ELCD
Last Calibration: Tue Oct 15 17:10:35 1996

Calibration Files

Compound	1 NP7717.D	2 NP7718.D	5 NP7719.D	10 NP7720.D	20 NP7721.D	40 NP7722.D	Avg	1RSD
Dichlorodifluoromethane	1.1E+6	1.1E+6	1.2E+6	1.2E+6	1.3E+6	1.4E+6	1.2E+6	9.542
Chloromethane	773.1E+3	770.7E+3	700.9E+3	747.2E+3			748.0E+3	4.479
Vinyl Chloride	2.6E+6	2.7E+6	2.8E+6	2.5E+6	2.6E+6	2.7E+6	2.7E+6	3.643
Bromomethane	1.2E+6	1.2E+6	1.3E+6	1.3E+6	1.4E+6	1.4E+6	1.3E+6	8.028
Chloroethane	2.2E+6	2.2E+6	2.1E+6	2.1E+6	2.4E+6	2.6E+6	2.3E+6	8.431
Trichlorofluoromethane	3.8E+6	4.0E+6	4.0E+6	3.9E+6	3.9E+6	3.7E+6	3.9E+6	3.370
1,1-Dichloroethene	3.7E+6	3.6E+6	3.7E+6	3.6E+6	3.5E+6	3.4E+6	3.6E+6	3.135
Methylene Chloride	6.1E+6	6.1E+6	5.6E+6	5.2E+6	4.8E+6		5.6E+6	9.824
trans-1,2-Dichloroethene	4.5E+6	4.5E+6	4.6E+6	4.4E+6	4.1E+6	3.9E+6	4.3E+6	5.801
1,1-Dichloroethane	5.5E+6	5.7E+6	5.5E+6	5.2E+6	4.8E+6	4.3E+6	5.2E+6	9.806
cis-1,2-Dichloroethene	4.7E+6	4.7E+6	4.8E+6	4.7E+6	4.5E+6	4.3E+6	4.6E+6	4.230
Bromochloromethane	3.8E+6	3.8E+6	3.8E+6	3.2E+6	3.1E+6		3.5E+6	9.949
Chloroform	8.4E+6	8.2E+6	8.8E+6	7.7E+6	6.8E+6		8.0E+6	9.871
2,2-Dichloropropane	7.8E+6	8.3E+6	8.2E+6	7.2E+6	6.8E+6		7.7E+6	8.330
1,2-Dichloroethane	5.3E+6	5.6E+6	6.0E+6	5.9E+6	5.8E+6	5.4E+6	5.7E+6	4.483
1,1,1-Trichloroethane	10.3E+6	9.5E+6	9.2E+6	8.7E+6	8.1E+6		9.2E+6	9.036
1,1-Dichloropropene	6.3E+6	6.4E+6	6.7E+6	6.5E+6	6.2E+6	5.8E+6	6.3E+6	4.950
Carbon Tetrachloride	11.7E+6	11.6E+6	11.1E+6	10.3E+6	9.4E+6		10.8E+6	9.022
Dibromomethane	2.7E+6	2.7E+6	2.8E+6	2.9E+6	3.0E+6	2.9E+6	2.8E+6	5.052
1,2-Dichloropropane	6.0E+6	6.2E+6	6.6E+6	6.3E+6	6.1E+6	5.6E+6	6.1E+6	5.640
Trichloroethene	8.1E+6	8.1E+6	8.2E+6	8.0E+6	7.5E+6	6.9E+6	7.8E+6	6.679
Bromodichloromethane	8.7E+6	8.3E+6	8.1E+6	7.4E+6	7.4E+6		8.0E+6	7.216
2-Chloroethylvinyl ether	716.3E+3	729.3E+3	788.9E+3	888.7E+3	856.5E+3	855.2E+3	805.8E+3	8.955
cis-1,3-Dichloropropene	6.4E+6	6.5E+6	6.3E+6	6.1E+6	5.6E+6	5.1E+6	6.0E+6	9.178
trans-1,3-Dichloropropene	4.2E+6	4.7E+6	4.8E+6	4.9E+6	4.7E+6	4.3E+6	4.6E+6	6.082
1,1,2-Trichloroethane	6.2E+6	6.4E+6	6.3E+6	6.0E+6	5.8E+6	5.4E+6	6.0E+6	6.038
2-Bromo-1-Chloropropane	3.3E+6	3.3E+6	3.6E+6	3.7E+6	3.8E+6	3.9E+6	3.6E+6	7.541
1,3-Dichloropropane	4.9E+6	5.0E+6	6.0E+6	5.4E+6	4.8E+6		5.2E+6	9.658
Dibromochloromethane	4.0E+6	4.1E+6	4.3E+6	4.2E+6	4.1E+6	3.9E+6	4.1E+6	3.421
1,2-Dibromoethane	2.2E+6	2.3E+6	2.5E+6	2.5E+6	2.6E+6	2.5E+6	2.4E+6	6.481
Tetrachloroethene	8.4E+6	8.2E+6	8.2E+6	7.6E+6	7.2E+6		7.9E+6	6.616
1,1,1,2-Tetrachloroethane	7.4E+6	7.6E+6	7.6E+6	7.1E+6	6.8E+6	6.2E+6	7.1E+6	7.456
Chlorobenzene	3.6E+6	3.7E+6	3.5E+6	3.4E+6	3.1E+6	2.9E+6	3.4E+6	8.746
Bromoform	2.1E+6	2.3E+6	2.5E+6	2.5E+6	2.5E+6	2.4E+6	2.4E+6	7.111
1,1,2,2-Tetrachloroethane	3.8E+6	4.0E+6	3.9E+6	4.0E+6	3.8E+6	3.6E+6	3.9E+6	3.599
1,2,3-Trichloropropane	3.4E+6	3.4E+6	3.2E+6	3.2E+6	3.0E+6	2.9E+6	3.2E+6	5.891
Bromobenzene	1.9E+6	2.0E+6	2.2E+6	2.2E+6	2.1E+6	2.0E+6	2.1E+6	5.466
2-Chlorotoluene	2.4E+6	2.5E+6	2.6E+6	2.7E+6	2.5E+6	2.4E+6	2.5E+6	4.899
4-Chlorotoluene	3.1E+6	3.1E+6	3.0E+6	2.9E+6	2.7E+6	2.5E+6	2.9E+6	8.876
1,3-Dichlorobenzene	3.0E+6	3.9E+6	4.1E+6	4.0E+6	3.9E+6	3.7E+6	3.9E+6	4.037
1,4-Dichlorobenzene	5.3E+6	5.3E+6	5.0E+6	4.6E+6	4.4E+6		4.9E+6	8.708
1,2-Dichlorobenzene	4.8E+6	5.1E+6	4.7E+6	4.4E+6	4.2E+6		4.6E+6	7.8004
1,2-Dibromo-3-chloropropane	897.2E+3	915.5E+3	942.0E+3	1.0E+6	1.1E+6	1.1E+6	989.4E+3	8.0949
1,2,4-Trichlorobenzene	4.7E+6	4.8E+6	4.6E+6	4.8E+6	4.4E+6	4.1E+6	4.6E+6	5.3785
Hexachlorobutadiene	7.5E+6	8.0E+6	7.8E+6	7.5E+6	6.9E+6	6.3E+6	7.3E+6	8.4467
1,2,3-Trichlorobenzene	6.4E+6	6.0E+6	5.9E+6	5.3E+6	5.6E+6		5.8E+6	7.1025
Signal #2							000.0E+0	0
tert-Butyl Alcohol	1.2E+3	1.2E+3	1.0E+3	1.0E+3	1.1E+3	1.2E+3	1.1E+3	6.9292
trans-1,2-Dichloroethene	377.5E+3	374.2E+3	399.0E+3	398.0E+3	390.6E+3	390.7E+3	388.3E+3	2.6614
cis-1,2-Dichloroethene	215.5E+3	212.2E+3	224.6E+3	224.0E+3	220.6E+3	224.0E+3	220.1E+3	2.357
1,1-Dichloropropene	248.0E+3	243.4E+3	257.6E+3	256.0E+3	250.7E+3	253.4E+3	251.5E+3	2.1054
Benzene	639.7E+3	624.7E+3	655.5E+3	650.9E+3	636.7E+3	644.9E+3	642.1E+3	1.7085
Fluorobenzene	406.9E+3	392.7E+3	411.3E+3	412.2E+3	412.3E+3	430.9E+3	411.1E+3	2.9848
Trichloroethene	363.0E+3	358.7E+3	371.4E+3	369.7E+3	364.1E+3	365.0E+3	365.3E+3	1.2696
aaa-Trifluorotoluene #2	198.6E+3	191.2E+3	201.0E+3	202.0E+3	203.2E+3	209.8E+3	201.0E+3	3.0348
cis-1,3-Dichloropropene	150.4E+3	149.4E+3	153.9E+3	155.7E+3	154.4E+3	155.7E+3	153.3E+3	1.7625
trans-1,3-Dichloropropene	189.9E+3	187.2E+3	196.8E+3	198.9E+3	198.7E+3	202.2E+3	195.6E+3	2.9695
Toluene	652.5E+3	640.1E+3	634.0E+3	610.4E+3	604.0E+3	597.7E+3	623.1E+3	3.5466
strachloroethene	287.9E+3	279.8E+3	289.9E+3	286.3E+3	283.2E+3	286.3E+3	285.6E+3	1.2486
Chlorobenzene	624.5E+3	627.4E+3	645.2E+3	636.3E+3	624.5E+3	622.5E+3	630.1E+3	1.4099
Ethylbenzene	543.0E+3	548.0E+3	565.0E+3	557.1E+3	548.0E+3	541.6E+3	550.8E+3	1.747
m,p-Xylene	662.8E+3	662.2E+3	680.0E+3	661.7E+3	648.7E+3	634.1E+3	658.3E+3	2.3514
Styrene	661.1E+3	656.6E+3	678.5E+3	669.6E+3	658.1E+3	651.8E+3	662.6E+3	1.4737
o-Xylene	547.1E+3	545.9E+3	559.1E+3	548.5E+3	535.7E+3	523.4E+3	543.3E+3	2.2589

Isopropylbenzene	458.0E+3	456.5E+3	470.7E+3	462.8E+3	455.4E+3	449.7E+3	458.9E+3	1.5635
Bromobenzene	625.9E+3	629.3E+3	648.3E+3	640.2E+3	631.8E+3	627.3E+3	633.8E+3	1.3713
n-Propylbenzene	500.3E+3	505.4E+3	522.6E+3	512.9E+3	504.2E+3	501.2E+3	507.8E+3	1.6798
2-Chlorotoluene	595.7E+3	580.4E+3	587.9E+3	575.9E+3	571.9E+3	570.9E+3	580.4E+3	1.6778
4-Chlorotoluene	633.8E+3	618.9E+3	626.5E+3	610.6E+3	596.9E+3	588.1E+3	612.5E+3	2.8623
1,3,5-Trimethylbenzene	759.7E+3	772.3E+3	783.3E+3	762.6E+3	744.3E+3	732.9E+3	759.2E+3	2.414
tert-Butylbenzene	431.7E+3	427.4E+3	434.2E+3	421.1E+3	411.6E+3	407.8E+3	422.3E+3	2.5605
1,2,4-Trimethylbenzene	566.3E+3	573.1E+3	586.3E+3	571.5E+3	555.7E+3	551.5E+3	567.4E+3	2.2291
sec-Butylbenzene	409.2E+3	418.8E+3	432.7E+3	421.5E+3	408.5E+3	406.7E+3	416.2E+3	2.4153
1,3-Dichlorobenzene	575.3E+3	579.8E+3	592.1E+3	581.1E+3	571.4E+3	573.2E+3	578.8E+3	1.3013
1,4-Dichlorobenzene	531.4E+3	535.8E+3	549.2E+3	538.0E+3	526.7E+3	528.6E+3	534.9E+3	1.5289
p-Isopropyltoluene	468.2E+3	471.7E+3	481.9E+3	460.6E+3	449.2E+3	446.5E+3	463.0E+3	2.9425
1,2-Dichlorobenzene	456.7E+3	452.7E+3	464.5E+3	457.3E+3	448.4E+3	449.9E+3	454.9E+3	1.2948
n-Butylbenzene	492.6E+3	486.2E+3	496.9E+3	483.7E+3	470.4E+3	468.2E+3	483.0E+3	2.4026
1,2,4-Trichlorobenzene	336.9E+3	332.2E+3	339.9E+3	342.9E+3	332.7E+3	335.6E+3	336.7E+3	1.2249
Naphthalene	397.5E+3	356.5E+3	350.2E+3	359.5E+3	357.5E+3	367.7E+3	364.8E+3	4.6598
Hexachlorobutadiene	276.4E+3	287.1E+3	299.6E+3	292.2E+3	282.5E+3	277.8E+3	285.9E+3	3.1178
1,2,3-Trichlorobenzene	328.5E+3	333.0E+3	341.1E+3	339.8E+3	330.3E+3	331.8E+3	334.1E+3	1.5452
Methyl tert butyl ether	165.9E+3	165.8E+3	173.2E+3	178.4E+3	177.0E+3	180.0E+3	173.4E+3	3.6016
2-Chloroethylvinyl ether	85.0E+3	86.7E+3	83.8E+3	94.1E+3	100.5E+3	95.6E+3	91.0E+3	7.4091

Wed Oct 16 11:07:34 1996

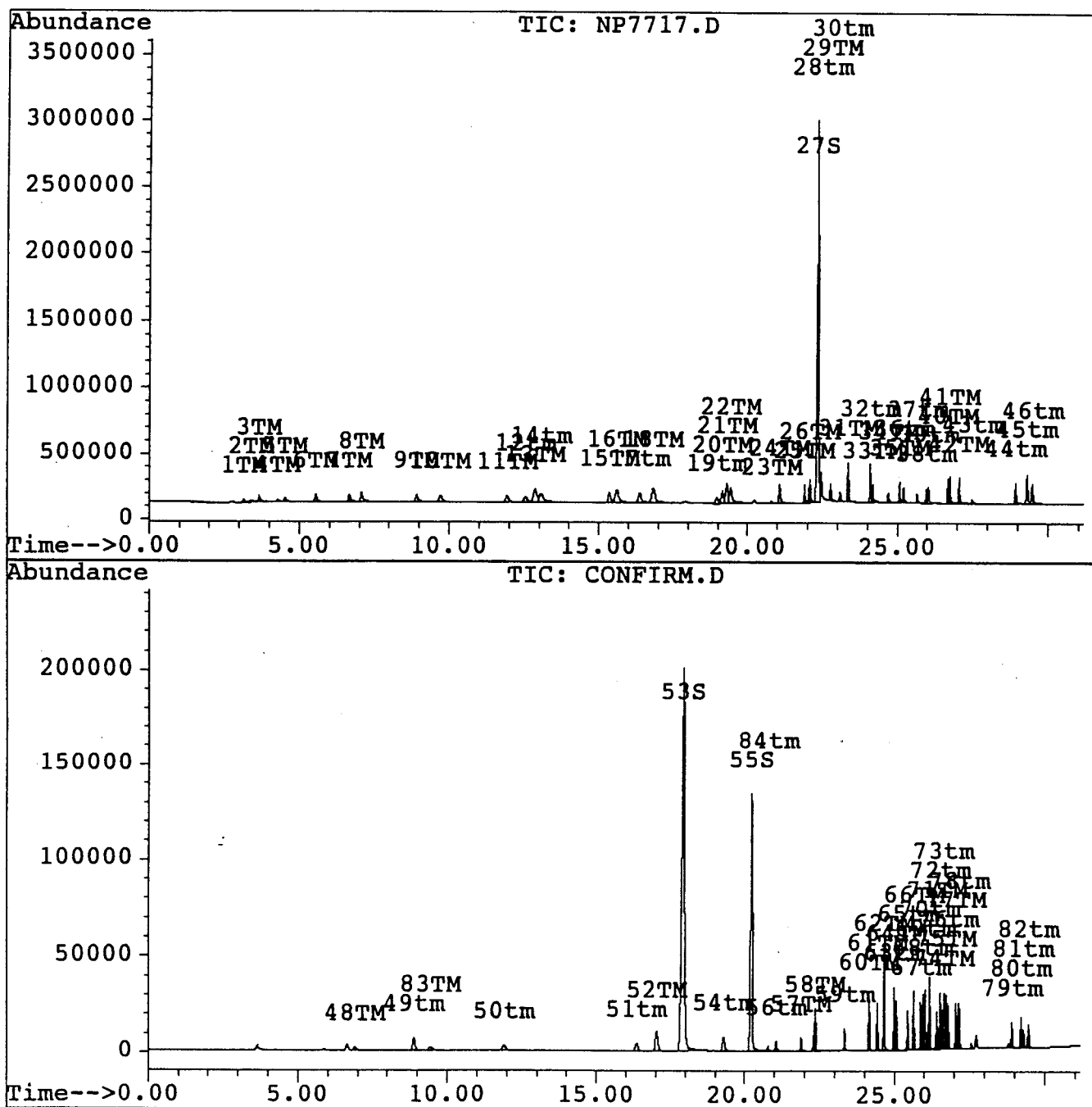
Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\NP7717.D
 Signal #2 : C:\HPCHEM\5\DATA\NP7717.D\CONFIRM.D
 Acq On : 15 Oct 96 10:18 AM
 Sample : lppb STD.
 Misc : GNP243,W,,,,,1
 Quant Time: Oct 15 16:55 1996

Vial: 1
 Operator: RMS
 Inst : GC-NP
 Multiplr: 1.00

Method : C:\HPCHEM\5\METHODS\VRX1015.M
 Title : 601/602 BY GC-PID AND GC-ELCD
 Last Update : Tue Oct 15 17:10:35 1996
 Response via : Single Level Calibration

Volume Inj. : 5.0 ML PURGE VOLUME
 Signal #1 Phase : (ELCD) J+W DBVRX Signal #2 Phase: (PID) J+W DBVRX 75mX
 Signal #1 Info : Signal #2 Info :



Quantitation Report

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Signal #2 : C:\HPCHEM\5\DATA\NP7717.D\CONFIRM.D
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Sample : lppb STD.
Misc : GNP243,W,,,,1
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Method : C:\HPCHEM\5\METHODS\VRX1015.M
Title : 601/602 BY GC-PID AND GC-ELCD
Last Update : Tue Oct 15 17:10:35 1996
Response via : Single Level Calibration

Volume Inj. : 5.0 ML PURGE VOLUME
Signal #1 Phase : (ELCD) J+W DBVRX Signal #2 Phase: (PID) J+W DBVRX 75mX
Signal #1 Info : Signal #2 Info :

Compound		R.T.	Response	Conc	Units

System Monitoring Compounds					
27) S	2-Bromo-1-Chloropropane	22.30	98388221	28.903	PPB
			Recovery =	96.34%	
53) S	Fluorobenzene	17.90	12207277	29.423	PPB
			Recovery =	98.08%	
55) S	aaa-Trifluorotoluene #2	20.21	5958453	29.327	PPB
			Recovery =	97.76%	
Target Compounds					
1) TM	Dichlorodifluoromethane	3.15	1091991	0.977	PPB m
2) TM	Chloromethane	3.40	773116	1.216	PPB m
3) TM	Vinyl Chloride	3.66	2610432	1.042	PPB
4) TM	Bromomethane	4.28	1167506	1.137	PPB
5) TM	Chloroethane	4.53	2195418	1.244	PPB
6) TM	Trichlorofluoromethane	5.55	3762745	1.069	PPB
7) TM	1,1-Dichloroethene	6.67	3672273	1.065	PPB
8) TM	Methylene Chloride	7.07	6143609	1.260	PPB
9) TM	trans-1,2-Dichloroethene	8.91	4497916	1.113	PPB
10) TM	1,1-Dichloroethane	9.71	5466850	1.113	PPB
11) TM	cis-1,2-Dichloroethene	11.94	4729400	1.110	PPB
12) tm	Bromochloromethane	12.54	3779887	1.108	PPB
13) TM	Chloroform	12.87	8360640	1.008	PPB m
14) tm	2,2-Dichloropropane	13.07	7797885	1.040	PPB m
15) TM	1,2-Dichloroethane	15.36	5344603	0.988	PPB
16) TM	1,1,1-Trichloroethane	15.61	10343890	1.241	PPB
17) tm	1,1-Dichloropropene	16.37	6345519	1.106	PPB
18) TM	Carbon Tetrachloride	16.82	11716246	1.220	PPB
19) tm	Dibromomethane	18.96	2670864	1.029	PPB m
20) TM	1,2-Dichloropropane	19.15	6046965	1.014	PPB
21) TM	Trichloroethene	19.31	8129103	1.032	PPB
22) TM	Bromodichloromethane	19.43	8728967	1.228	PPB m
23) TM	2-Chloroethylvinyl ether	20.79	716322	0.747	PPB m
24) TM	cis-1,3-Dichloropropene	21.07	6360199	1.095	PPB
25) TM	trans-1,3-Dichloropropene	21.89f	4159361	0.949	PPB
26) TM	1,1,2-Trichloroethane	22.07	6201372	1.107	PPB
28) tm	1,3-Dichloropropane	22.45	4890375	0.930	PPB m
29) TM	Dibromochloromethane	22.75	3957954	1.029	PPB m

(f)=RT Delta > 1/2 Window

NP7717.D VRX1015.M

Wed Oct 16 10:52:30 1996

(m)=manual int

RPT1

Page 1

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\NP7717.D
 Signal #2 : C:\HPCHEM\5\DATA\NP7717.D\CONFIRM.D
 Acq On : 15 Oct 96 10:18 AM
 Sample : lppb STD.
 Misc : GNP243,W,,,,,1
 Quant Time: Oct 15 16:55 1996

Vial: 1

Operator: RMS
 Inst : GC-NP
 Multiplr: 1.00

Method : C:\HPCHEM\5\METHODS\VRX1015.M
 Title : 601/602 BY GC-PID AND GC-ELCD
 Last Update : Tue Oct 15 17:10:35 1996
 Response via : Single Level Calibration

Volume Inj. : 5.0 ML PURGE VOLUME

Signal #1 Phase : (ELCD) J+W DBVRX Signal #2 Phase: (PID) J+W DBVRX 75mX
 Signal #1 Info : Signal #2 Info :

	Compound	R.T.	Response	Conc	Units	
30)	tm 1,2-Dibromoethane	23.08	2186788	0.962	PPB	m
31)	TM Tetrachloroethene	23.34	8382651	1.068	PPB	
32)	tm 1,1,1,2-Tetrachloroethane	24.09	7380831	1.039	PPB	
33)	TM Chlorobenzene	24.17	3612547	1.060	PPB	
34)	TM Bromoform	24.70	2076633	0.932	PPB	
35)	TM 1,1,2,2-Tetrachloroethane	25.06	3841514	1.119	PPB	
36)	tm 1,2,3-Trichloropropane	25.21	3397537	1.160	PPB	
37)	tm Bromobenzene	25.65	1901511	0.951	PPB	
38)	tm 2-Chlorotoluene	25.95	2402386	0.977	PPB	
39)	tm 4-Chlorotoluene	26.03	3104473	1.076	PPB	
40)	TM 1,3-Dichlorobenzene	26.67	3778334	0.991	PPB	
41)	TM 1,4-Dichlorobenzene	26.73	5337866	1.107	PPB	m
42)	TM 1,2-Dichlorobenzene	27.05	4760385	1.091	PPB	m
43)	tm 1,2-Dibromomo-3-chloroprop	27.49	897185	0.979	PPB	m
44)	tm 1,2,4-Trichlorobenzene	28.92	4668155	1.091	PPB	
45)	tm Hexachlorobutadiene	29.30	7492597	1.016	PPB	
46)	tm 1,2,3-Trichlorobenzene	29.48	6427596	1.067	PPB	m
48)	TM tert-Butyl Alcohol	6.91	121281	114.912	PPB	m
49)	tm trans-1,2-Dichloroethene	8.88	377491	0.922	PPB	
50)	tm cis-1,2-Dichloroethene	11.91	215474	0.944	PPB	
51)	tm 1,1-Dichloropropene	16.35	248020	0.939	PPB	
52)	TM Benzene	17.03	639685	0.957	PPB	
54)	tm Trichloroethene	19.29	362964	0.957	PPB	
56)	tm cis-1,3-Dichloropropene	21.04	150439	0.972	PPB	
57)	TM trans-1,3-Dichloropropene	21.87	189865	0.981	PPB	
58)	TM Toluene	22.34	652508	1.003	PPB	m
59)	tm Tetrachloroethene	23.32	287946	0.963	PPB	
60)	TM Chlorobenzene	24.15	624488	0.962	PPB	
61)	TM Ethylbenzene	24.42	542967	0.955	PPB	
62)	TM m,p-Xylene	24.65	1325691	1.944	PPB	
63)	tm Styrene	24.98	661135	0.976	PPB	
64)	TM o-Xylene	25.05	547103	0.974	PPB	
65)	tm Isopropylbenzene	25.43	458031	0.967	PPB	
66)	TM Bromobenzene	25.63	625915	0.970	PPB	
67)	tm n-Propylbenzene	25.87	500331	0.951	PPB	
68)	tm 2-Chlorotoluene	25.93	595724	1.007	PPB	
69)	tm 4-Chlorotoluene	26.01	633839	1.007	PPB	
70)	tm 1,3,5-Trimethylbenzene	26.16	759717	0.976	PPB	

(f)=RT Delta > 1/2 Window

NP7717.D VRX1015.M

Wed Oct 16 10:52:44 1996

(m)=manual int.

RPT1

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Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\NP7717.D
Signal #2 : C:\HPCHEM\5\DATA\NP7717.D\CONFIRM.D
Acq On : 15 Oct 96 10:18 AM
Sample : lppb STD.
Misc : GNP243,W,,,,1
Quant Time: Oct 15 16:55 1996

Vial: 1
Operator: RMS
Inst : GC-NP
Multiplr: 1.00

Method : C:\HPCHEM\5\METHODS\VRX1015.M
Title : 601/602 BY GC-PID AND GC-ELCD
Last Update : Tue Oct 15 17:10:35 1996
Response via : Single Level Calibration

Volume Inj. : 5.0 ML PURGE VOLUME
Signal #1 Phase : (ELCD) J+W DBVRX Signal #2 Phase: (PID) J+W DBVRX 75mX
Signal #1 Info : Signal #2 Info :

	Compound	R.T.	Response	Conc Units
71)	TM tert-Butylbenzene	26.40	431722	0.987 PPB
72)	tm 1,2,4-Trimethylbenzene	26.51	566293	0.963 PPB
73)	tm sec-Butylbenzene	26.60	409152	0.941 PPB
74)	TM 1,3-Dichlorobenzene	26.65	575253	0.959 PPB
75)	TM 1,4-Dichlorobenzene	26.71	531416	0.973 PPB
76)	tm p-Isopropyltoluene	26.78	468159	0.975 PPB
77)	TM 1,2-Dichlorobenzene	27.03	456700	0.988 PPB
78)	tm n-Butylbenzene	27.15	492551	0.990 PPB
79)	tm 1,2,4-Trichlorobenzene	28.90	336870	0.994 PPB
80)	tm Naphthalene	29.21	397541	1.220 PPB
81)	tm Hexachlorobutadiene	29.28	276374	0.931 PPB
82)	tm 1,2,3-Trichlorobenzene	29.46	328518	0.990 PPB
83)	TM Methyl tert butyl ether	9.44	165893	0.965 PPB
84)	tm 2-Chloroethylvinyl ether	20.77	85005	0.762 PPB

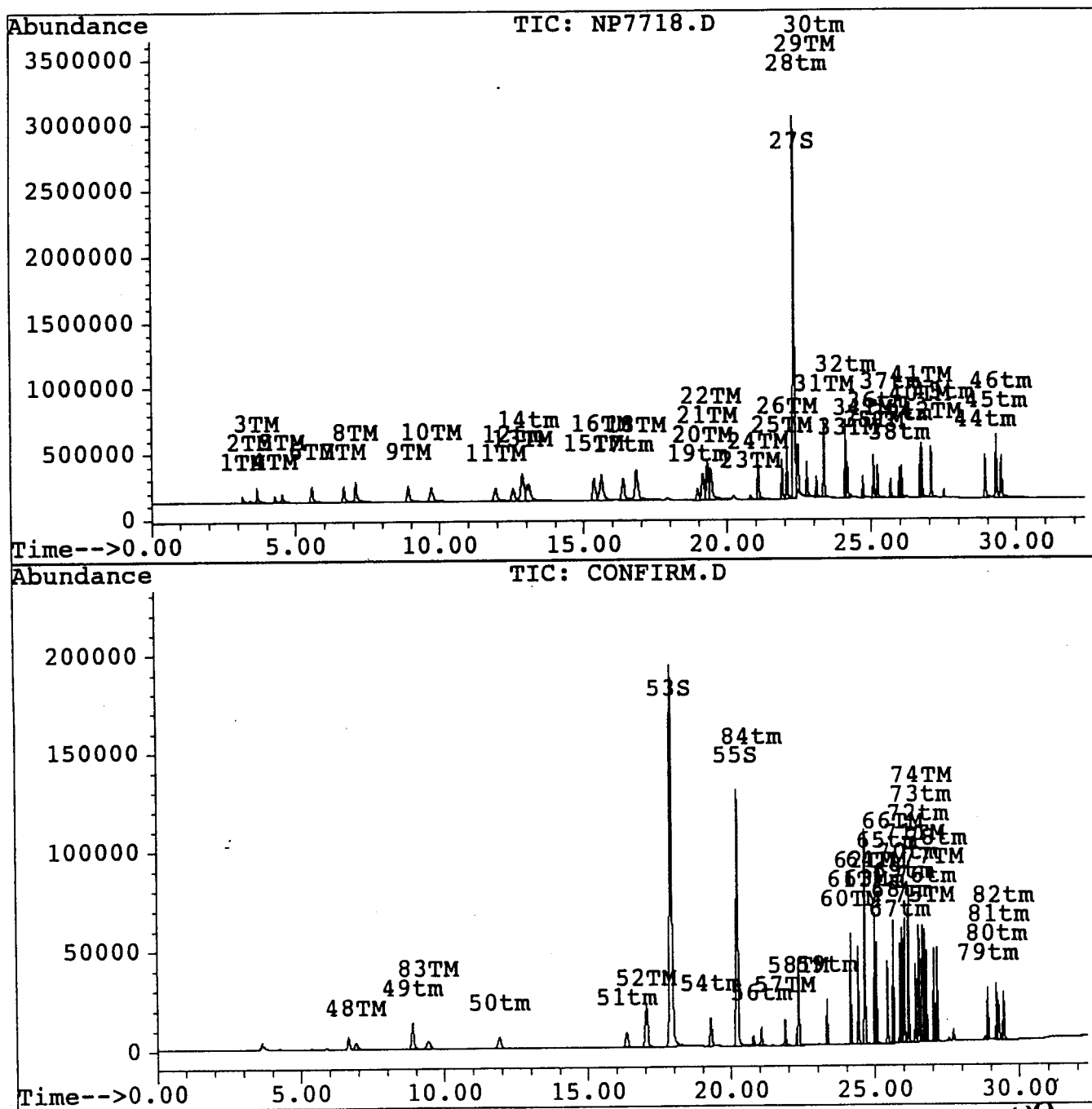
Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\NP7718.D
 Signal #2 : C:\HPCHEM\5\DATA\NP7718.D\CONFIRM.D
 Acq On : 15 Oct 96 10:58 AM
 Sample : 2ppb STD.
 Misc : GNP243,W,,,,,1
 Quant Time: Oct 15 16:57 1996

Vial: 1
 Operator: RMS
 Inst : GC-NP
 Multiplr: 1.00

Method : C:\HPCHEM\5\METHODS\VRX1015.M
 Title : 601/602 BY GC-PID AND GC-ELCD
 Last Update : Tue Oct 15 17:10:35 1996
 Response via : Single Level Calibration

Volume Inj. : 5.0 ML PURGE VOLUME
 Signal #1 Phase : (ELCD) J+W DBVRX Signal #2 Phase: (PID) J+W DBVRX 75mX
 Signal #1 Info : Signal #2 Info :



Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\NP7718.D
Signal #2 : C:\HPCHEM\5\DATA\NP7718.D\CONFIRM.D
Acq On : 15 Oct 96 10:58 AM
Sample : 2ppb STD.
Misc : GNP243,W,,,,1
Quant Time: Oct 15 16:57 1996

Vial: 1

Operator: RMS
Inst : GC-NP
Multiplr: 1.00

Method : C:\HPCHEM\5\METHODS\VRX1015.M
Title : 601/602 BY GC-PID AND GC-ELCD
Last Update : Tue Oct 15 17:10:35 1996
Response via : Single Level Calibration

Volume Inj. : 5.0 ML PURGE VOLUME
Signal #1 Phase : (ELCD) J+W DBVRX Signal #2 Phase: (PID) J+W DBVRX 75mX
Signal #1 Info : Signal #2 Info :

Compound		R.T.	Response	Conc	Units

System Monitoring Compounds					
27)	S 2-Bromo-1-Chloropropane	22.30	99005160	29.084	PPB
			Recovery =	96.95%	
53)	S Fluorobenzene	17.90	11781014	28.395	PPB
			Recovery =	94.65%	
55)	S aaa-Trifluorotoluene #2	20.21	5734564	28.225	PPB
			Recovery =	94.08%	
Target Compounds					
1)	TM Dichlorodifluoromethane	3.15	2231183	1.995	PPB m
2)	TM Chloromethane	3.40	1541435	2.423	PPB m
3)	TM Vinyl Chloride	3.66	5403432	2.158	PPB
4)	TM Bromomethane	4.27	2393527	2.331	PPB m
5)	TM Chloroethane	4.53	4341039	2.459	PPB
6)	TM Trichlorofluoromethane	5.55	7933164	2.254	PPB m
7)	TM 1,1-Dichloroethene	6.66	7263332	2.106	PPB
8)	TM Methylene Chloride	7.08	12123511	2.486	PPB
9)	TM trans-1,2-Dichloroethene	8.91	8904403	2.203	PPB
10)	TM 1,1-Dichloroethane	9.71	11382268	2.317	PPB
11)	TM cis-1,2-Dichloroethene	11.93	9441984	2.216	PPB
12)	tm Bromochloromethane	12.54	7650130	2.243	PPB
13)	TM Chloroform	12.86	16346147	1.970	PPB m
14)	tm 2,2-Dichloropropane	13.07	16627056	2.218	PPB m
15)	TM 1,2-Dichloroethane	15.35	11241568	2.077	PPB
16)	TM 1,1,1-Trichloroethane	15.61	19033216	2.283	PPB
17)	tm 1,1-Dichloropropene	16.37	12899299	2.249	PPB
18)	TM Carbon Tetrachloride	16.82	23242684	2.420	PPB
19)	tm Dibromomethane	18.96	5350663	2.062	PPB m
20)	TM 1,2-Dichloropropane	19.15	12464620	2.090	PPB
21)	TM Trichloroethene	19.31	16168072	2.052	PPB
22)	TM Bromodichloromethane	19.43	16579558	2.332	PPB m
23)	TM 2-Chloroethylvinyl ether	20.79	1458567	1.520	PPB
24)	TM cis-1,3-Dichloropropene	21.06	12926527	2.226	PPB
25)	TM trans-1,3-Dichloropropene	21.89f	9447670	2.155	PPB
26)	TM 1,1,2-Trichloroethane	22.07	12806047	2.287	PPB
28)	tm 1,3-Dichloropropane	22.45	10000801	1.903	PPB m
29)	TM Dibromochloromethane	22.75	8135416	2.114	PPB m

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\NP7718.D
Signal #2 : C:\HPCHEM\5\DATA\NP7718.D\CONFIRM.D
Acq On : 15 Oct 96 10:58 AM
Sample : 2ppb STD.
Misc : GNP243,W,,,,,1
Quant Time: Oct 15 16:57 1996

Vial: 1

Operator: RMS
Inst : GC-NP
Multiplr: 1.00

Method : C:\HPCHEM\5\METHODS\VRX1015.M
Title : 601/602 BY GC-PID AND GC-ELCD
Last Update : Tue Oct 15 17:10:35 1996
Response via : Single Level Calibration

Volume Inj. : 5.0 ML PURGE VOLUME
Signal #1 Phase : (ELCD) J+W DBVRX Signal #2 Phase: (PID) J+W DBVRX 75mX
Signal #1 Info : Signal #2 Info :

	Compound	R.T.	Response	Conc	Units
30)	tm 1,2-Dibromoethane	23.08	4575314	2.013	PPB
31)	TM Tetrachloroethene	23.34	16491622	2.101	PPB
32)	tm 1,1,1,2-Tetrachloroethane	24.09	15200210	2.140	PPB
33)	TM Chlorobenzene	24.17	7313940	2.146	PPB
34)	TM Bromoform	24.70	4548144	2.041	PPB
35)	TM 1,1,2,2-Tetrachloroethane	25.06	7995692	2.330	PPB m
36)	tm 1,2,3-Trichloropropane	25.21	6750601	2.306	PPB
37)	tm Bromobenzene	25.65	3948395	1.974	PPB
38)	tm 2-Chlorotoluene	25.95	5035356	2.048	PPB
39)	tm 4-Chlorotoluene	26.03	6100632	2.114	PPB
40)	TM 1,3-Dichlorobenzene	26.67	7816509	2.050	PPB
41)	TM 1,4-Dichlorobenzene	26.73	10599332	2.197	PPB
42)	TM 1,2-Dichlorobenzene	27.05	10263411	2.352	PPB
43)	tm 1,2-Dibromomo-3-chloroprop	27.49	1831022	1.998	PPB m
44)	tm 1,2,4-Trichlorobenzene	28.92	9502359	2.221	PPB
45)	tm Hexachlorobutadiene	29.30	15970058	2.165	PPB
46)	tm 1,2,3-Trichlorobenzene	29.47	11985886	1.989	PPB m
48)	TM tert-Butyl Alcohol	6.91	236643	224.216	PPB
49)	tm trans-1,2-Dichloroethene	8.88	748393	1.828	PPB
50)	tm cis-1,2-Dichloroethene	11.91	424377	1.858	PPB
51)	tm 1,1-Dichloropropene	16.35	486732	1.842	PPB
52)	TM Benzene	17.03	1249461	1.870	PPB
54)	tm Trichloroethene	19.29	717372	1.892	PPB
56)	tm cis-1,3-Dichloropropene	21.04	298831	1.930	PPB
57)	TM trans-1,3-Dichloropropene	21.87	374367	1.933	PPB
58)	TM Toluene	22.34	1280134	1.968	PPB m
59)	tm Tetrachloroethene	23.32	559683	1.871	PPB
60)	TM Chlorobenzene	24.15	1254709	1.933	PPB
61)	TM Ethylbenzene	24.42	1096018	1.928	PPB
62)	TM m,p-Xylene	24.65	2648985	3.884	PPB
63)	tm Styrene	24.98	1313169	1.939	PPB
64)	TM o-Xylene	25.05	1091852	1.943	PPB
65)	tm Isopropylbenzene	25.43	913086	1.927	PPB
66)	TM Bromobenzene	25.63	1258541	1.950	PPB
67)	tm n-Propylbenzene	25.87	1010725	1.922	PPB
68)	tm 2-Chlorotoluene	25.93	1160723	1.962	PPB
69)	tm 4-Chlorotoluene	26.01	1237720	1.966	PPB
70)	tm 1,3,5-Trimethylbenzene	26.16	1544696	1.985	PPB

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\NP7718.D
Signal #2 : C:\HPCHEM\5\DATA\NP7718.D\CONFIRM.D
Acq On : 15 Oct 96 10:58 AM
Sample : 2ppb STD.
Misc : GNP243,W,,,,1
Quant Time: Oct 15 16:57 1996

Vial: 1

Operator: RMS
Inst : GC-NP
Multiplr: 1.00

Method : C:\HPCHEM\5\METHODS\VRX1015.M
Title : 601/602 BY GC-PID AND GC-ELCD
Last Update : Tue Oct 15 17:10:35 1996
Response via : Single Level Calibration

Volume Inj. : 5.0 ML PURGE VOLUME
Signal #1 Phase : (ELCD) J+W DBVRX Signal #2 Phase: (PID) J+W DBVRX 75mX
Signal #1 Info : Signal #2 Info :

	Compound	R.T.	Response	Conc	Units
71)	TM tert-Butylbenzene	26.40	854831	1.954	PPB
72)	tm 1,2,4-Trimethylbenzene	26.51	1146246	1.949	PPB
73)	tm sec-Butylbenzene	26.60	837669	1.927	PPB
74)	TM 1,3-Dichlorobenzene	26.65	1159693	1.933	PPB
75)	TM 1,4-Dichlorobenzene	26.71	1071595	1.962	PPB
76)	tm p-Isopropyltoluene	26.78	943433	1.964	PPB
77)	TM 1,2-Dichlorobenzene	27.03	905327	1.958	PPB
78)	tm n-Butylbenzene	27.15	972471	1.955	PPB
79)	tm 1,2,4-Trichlorobenzene	28.90	664477	1.961	PPB
80)	tm Naphthalene	29.21	713046	2.188	PPB
81)	tm Hexachlorobutadiene	29.28	574114	1.935	PPB
82)	tm 1,2,3-Trichlorobenzene	29.46	665949	2.008	PPB
83)	TM Methyl tert butyl ether	9.44	331697	1.930	PPB
84)	tm 2-Chloroethylvinyl ether	20.77	173415	1.555	PPB

Quantitation Report

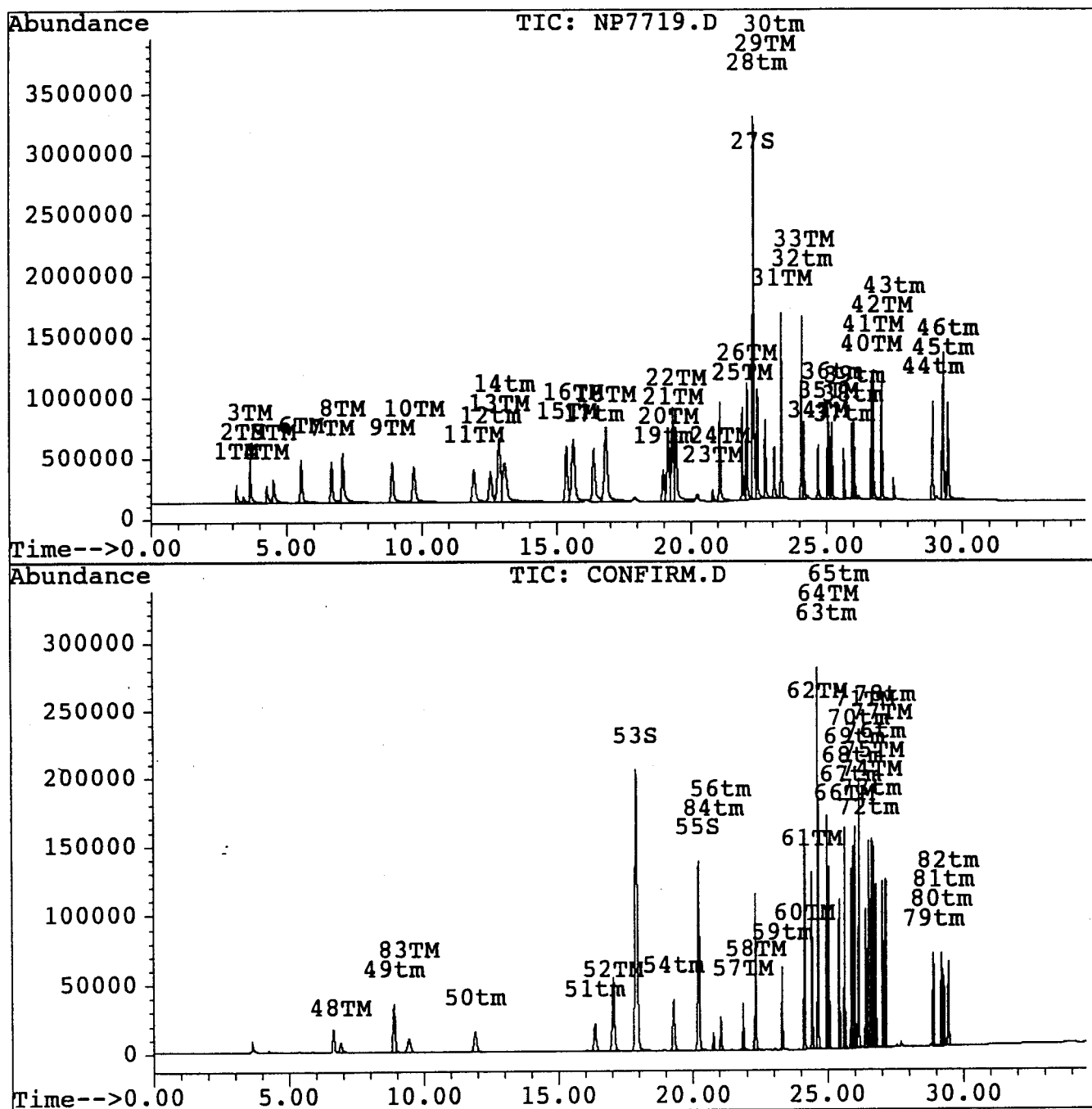
Signal #1 : C:\HPCHEM\5\DATA\NP7719.D
Signal #2 : C:\HPCHEM\5\DATA\NP7719.D\CONFIRM.D
Acq On : 15 Oct 96 11:40 AM
Sample : 5ppb STD.
Misc : GNP243,W,,,,1
Quant Time: Oct 15 12:27 1996

Vial: 1

Operator: RMS
Inst : GC-NP
Multiplr: 1.00

Method : C:\HPCHEM\5\METHODS\VRX1015.M
Title : 601/602 BY GC-PID AND GC-ELCD
Last Update : Tue Oct 15 17:10:35 1996
Response via : Single Level Calibration

Volume Inj. : 5.0 ML PURGE VOLUME
Signal #1 Phase : (ELCD) J+W DBVRX Signal #2 Phase: (PID) J+W DBVRX 75mX
Signal #1 Info : Signal #2 Info :



Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\NP7719.D
Signal #2 : C:\HPCHEM\5\DATA\NP7719.D\CONFIRM.D
Acq On : 15 Oct 96 11:40 AM
Sample : 5ppb STD.
Misc : GNP243,W,,,,1
Quant Time: Oct 15 12:27 1996

Vial: 1

Operator: RMS
Inst : GC-NP
Multiplr: 1.00

Method : C:\HPCHEM\5\METHODS\VRX1015.M
Title : 601/602 BY GC-PID AND GC-ELCD
Last Update : Tue Oct 15 17:10:35 1996
Response via : Single Level Calibration

Volume Inj. : 5.0 ML PURGE VOLUME
Signal #1 Phase : (ELCD) J+W DBVRX Signal #2 Phase: (PID) J+W DBVRX 75mX
Signal #1 Info : Signal #2 Info :

Compound		R.T.	Response	Conc	Units

System Monitoring Compounds					
27) S	2-Bromo-1-Chloropropane	22.30	107191375	31.489	PPB
			Recovery =	104.96%	
53) S	Fluorobenzene	17.90	12338169	29.738	PPB
			Recovery =	99.13%	
55) S	aaa-Trifluorotoluene #2	20.20	6029195	29.675	PPB
			Recovery =	98.92%	
Target Compounds					
1) TM	Dichlorodifluoromethane	3.15	5967174	5.336	PPB m
2) TM	Chloromethane	3.40	3504450	5.510	PPB
3) TM	Vinyl Chloride	3.66	13866164	5.537	PPB
4) TM	Bromomethane	4.27	6703065	6.529	PPB
5) TM	Chloroethane	4.52	10708429	6.067	PPB
6) TM	Trichlorofluoromethane	5.54	20060089	5.700	PPB
7) TM	1,1-Dichloroethene	6.66	18621774	5.400	PPB
8) TM	Methylene Chloride	7.07	27853537	5.712	PPB
9) TM	trans-1,2-Dichloroethene	8.90	22811569	5.643	PPB
10) TM	1,1-Dichloroethane	9.70	27541332	5.606	PPB
11) TM	cis-1,2-Dichloroethene	11.92	23768188	5.577	PPB
12) tm	Bromochloromethane	12.54	19008082	5.572	PPB
13) TM	Chloroform	12.86	44017533	5.306	PPB
14) tm	2,2-Dichloropropane	13.06	41024633	5.472	PPB
15) TM	1,2-Dichloroethane	15.34	29789046	5.505	PPB
16) TM	1,1,1-Trichloroethane	15.60	45923418	5.508	PPB
17) tm	1,1-Dichloropropene	16.36	33459591	5.834	PPB
18) TM	Carbon Tetrachloride	16.82	55617404	5.791	PPB
19) tm	Dibromomethane	18.95	14051709	5.416	PPB
20) TM	1,2-Dichloropropane	19.14	33031680	5.537	PPB
21) TM	Trichloroethene	19.30	41044634	5.210	PPB
22) TM	Bromodichloromethane	19.43	40398844	5.683	PPB
23) TM	2-Chloroethylvinyl ether	20.79	3944251	4.110	PPB
24) TM	cis-1,3-Dichloropropene	21.06	31466531	5.419	PPB
25) TM	trans-1,3-Dichloropropene	21.89f	23774358	5.422	PPB
26) TM	1,1,2-Trichloroethane	22.07	31304970	5.590	PPB
28) tm	1,3-Dichloropropane	22.45	30058283	5.718	PPB
29) TM	Dibromochloromethane	22.75	21279111	5.531	PPB

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\NP7719.D
 Signal #2 : C:\HPCHEM\5\DATA\NP7719.D\CONFIRM.D
 Acq On : 15 Oct 96 11:40 AM
 Sample : 5ppb STD.
 Misc : GNP243,W,,,,,1
 Quant Time: Oct 15 12:27 1996

Vial: 1
 Operator: RMS
 Inst : GC-NP
 Multiplr: 1.00

Method : C:\HPCHEM\5\METHODS\VRX1015.M
 Title : 601/602 BY GC-PID AND GC-ELCD
 Last Update : Tue Oct 15 17:10:35 1996
 Response via : Single Level Calibration

Volume Inj. : 5.0 ML PURGE VOLUME
 Signal #1 Phase : (ELCD) J+W DBVRX Signal #2 Phase: (PID) J+W DBVRX 75mX
 Signal #1 Info : Signal #2 Info :

	Compound	R.T.	Response	Conc Units	
30)	tm 1,2-Dibromoethane	23.08	12679080	5.577 PPB	
31)	TM Tetrachloroethene	23.34	41010930	5.225 PPB	
32)	tm 1,1,1,2-Tetrachloroethane	24.09	38173199	5.375 PPB	
33)	TM Chlorobenzene	24.17	17607933	5.166 PPB	
34)	TM Bromoform	24.70	12341471	5.537 PPB	
35)	TM 1,1,2,2-Tetrachloroethane	25.06	19520791	5.688 PPB	
36)	tm 1,2,3-Trichloropropane	25.20	15892997	5.428 PPB	
37)	tm Bromobenzene	25.65	10857275	5.428 PPB	
38)	tm 2-Chlorotoluene	25.95	13239752	5.386 PPB	
39)	tm 4-Chlorotoluene	26.03	15232360	5.278 PPB	
40)	TM 1,3-Dichlorobenzene	26.67	20535950	5.387 PPB	
41)	TM 1,4-Dichlorobenzene	26.73	24921174	5.167 PPB	
42)	TM 1,2-Dichlorobenzene	27.05	23729864	5.437 PPB	
43)	tm 1,2-Dibromomo-3-chloroprop	27.49	4710224	5.139 PPB	m
44)	tm 1,2,4-Trichlorobenzene	28.92	23067954	5.393 PPB	
45)	tm Hexachlorobutadiene	29.30	39033196	5.291 PPB	
46)	tm 1,2,3-Trichlorobenzene	29.48	29430942	4.885 PPB	
48)	TM tert-Butyl Alcohol	6.91	510175	483.383 PPB	
49)	tm trans-1,2-Dichloroethene	8.88	1994782	4.871 PPB	
50)	tm cis-1,2-Dichloroethene	11.90	1122825	4.917 PPB	
51)	tm 1,1-Dichloropropene	16.34	1288019	4.874 PPB	
52)	TM Benzene	17.03	3277372	4.904 PPB	
54)	tm Trichloroethene	19.28	1856997	4.897 PPB	
56)	tm cis-1,3-Dichloropropene	21.04	769540	4.970 PPB	
57)	TM trans-1,3-Dichloropropene	21.87	984173	5.083 PPB	
58)	TM Toluene	22.34	3169774	4.873 PPB	m
59)	tm Tetrachloroethene	23.32	1449285	4.845 PPB	
60)	TM Chlorobenzene	24.15	3225783	4.970 PPB	
61)	TM Ethylbenzene	24.42	2834921	4.986 PPB	
62)	TM m,p-Xylene	24.65	6800384	9.972 PPB	
63)	tm Styrene	24.98	3392580	5.009 PPB	
64)	TM o-Xylene	25.05	2795683	4.976 PPB	
65)	tm Isopropylbenzene	25.43	2353349	4.967 PPB	
66)	TM Bromobenzene	25.63	3241272	5.022 PPB	
67)	tm n-Propylbenzene	25.87	2613178	4.969 PPB	
68)	tm 2-Chlorotoluene	25.93	2939304	4.969 PPB	
69)	tm 4-Chlorotoluene	26.01	3132736	4.975 PPB	
0)	tm 1,3,5-Trimethylbenzene	26.16	3916488	5.034 PPB	

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\NP7719.D
Signal #2 : C:\HPCHEM\5\DATA\NP7719.D\CONFIRM.D
Acq On : 15 Oct 96 11:40 AM
Sample : 5ppb STD.
Misc : GNP243,W,,,,1
Quant Time: Oct 15 12:27 1996

Vial: 1
Operator: RMS
Inst : GC-NP
Multiplr: 1.00

Method : C:\HPCHEM\5\METHODS\VRX1015.M
Title : 601/602 BY GC-PID AND GC-ELCD
Last Update : Tue Oct 15 17:10:35 1996
Response via : Single Level Calibration

Volume Inj. : 5.0 ML PURGE VOLUME
Signal #1 Phase : (ELCD) J+W DBVRX Signal #2 Phase: (PID) J+W DBVRX 75mX
Signal #1 Info : Signal #2 Info :

	Compound	R.T.	Response	Conc Units
71)	TM tert-Butylbenzene	26.40	2170992	4.962 PPB
72)	tm 1,2,4-Trimethylbenzene	26.51	2931608	4.984 PPB
73)	tm sec-Butylbenzene	26.60	2163456	4.976 PPB
74)	TM 1,3-Dichlorobenzene	26.65	2960688	4.936 PPB
75)	TM 1,4-Dichlorobenzene	26.71	2745959	5.029 PPB
76)	tm p-Isopropyltoluene	26.78	2409665	5.017 PPB
77)	TM 1,2-Dichlorobenzene	27.03	2322575	5.024 PPB
78)	tm n-Butylbenzene	27.15	2484724	4.994 PPB
79)	tm 1,2,4-Trichlorobenzene	28.90	1699633	5.015 PPB
80)	tm Naphthalene	29.21	1750901	5.374 PPB
81)	tm Hexachlorobutadiene	29.28	1498181	5.048 PPB
82)	tm 1,2,3-Trichlorobenzene	29.46	1705282	5.141 PPB
83)	TM Methyl tert butyl ether	9.44	866047	5.039 PPB
84)	tm 2-Chloroethylvinyl ether	20.77	419177	3.759 PPB

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\NP7720.D
Signal #2 : C:\HPCHEM\5\DATA\NP7720.D\CONFIRM.D
Acq On : 15 Oct 96 12:26 PM
Sample : 10ppb STD.
Misc : GNP243,W,,,,1
Quant Time: Oct 15 16:17 1996

Vial: 1

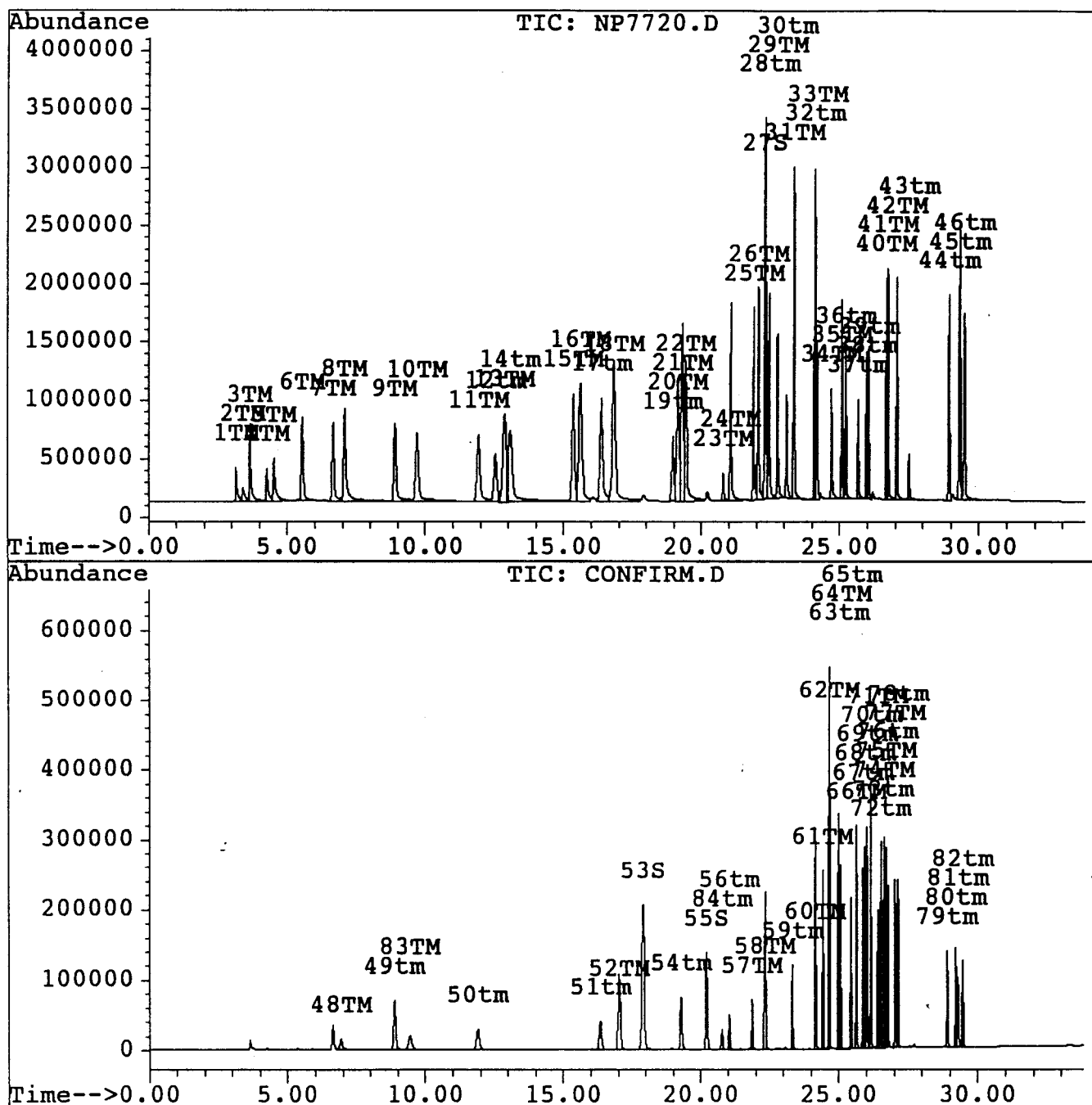
Operator: RMS
Inst : GC-NP
Multiplr: 1.00

Method : C:\HPCHEM\5\METHODS\VRX1015.M
Title : 601/602 BY GC-PID AND GC-ELCD
Last Update : Tue Oct 15 17:10:35 1996
Response via : Single Level Calibration

Volume Inj. : 5.0 ML PURGE VOLUME

Signal #1 Phase : (ELCD) J+W DBVRX Signal #2 Phase: (PID) J+W DBVRX 75mX

Signal #1 Info : Signal #2 Info :



Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\NP7720.D
 Signal #2 : C:\HPCHEM\5\DATA\NP7720.D\CONFIRM.D
 Acq On : 15 Oct 96 12:26 PM
 Sample : 10ppb STD.
 Misc : GNP243,W,,,,1
 Quant Time: Oct 15 16:17 1996

Vial: 1
 Operator: RMS
 Inst : GC-NP
 Multiplr: 1.00

Method : C:\HPCHEM\5\METHODS\VRX1015.M
 Title : 601/602 BY GC-PID AND GC-ELCD
 Last Update : Tue Oct 15 17:10:35 1996
 Response via : Single Level Calibration

Volume Inj. : 5.0 ML PURGE VOLUME
 Signal #1 Phase : (ELCD) J+W DBVRX Signal #2 Phase: (PID) J+W DBVRX 75mX
 Signal #1 Info : Signal #2 Info :

Compound		R.T.	Response	Conc	Units	

System Monitoring Compounds						
27)	S 2-Bromo-1-Chloropropane	22.30	110749487	32.534	PPB	
			Recovery =	108.45%		
53)	S Fluorobenzene	17.90	12366435	29.806	PPB	
			Recovery =	99.35%		
55)	S aaa-Trifluorotoluene #2	20.20	6061454	29.834	PPB	
			Recovery =	99.45%		
Target Compounds						
1)	TM Dichlorodifluoromethane	3.15	12261072	10.965	PPB	m
2)	TM Chloromethane	3.40	7471503	11.747	PPB	
3)	TM Vinyl Chloride	3.65	25048479	10.002	PPB	
4)	TM Bromomethane	4.26	13476740	13.127	PPB	
5)	TM Chloroethane	4.52	20840317	11.807	PPB	
6)	TM Trichlorofluoromethane	5.54	38884985	11.048	PPB	
7)	TM 1,1-Dichloroethene	6.66	36433236	10.566	PPB	
8)	TM Methylene Chloride	7.07	52474026	10.761	PPB	
9)	TM trans-1,2-Dichloroethene	8.90	43686342	10.807	PPB	
10)	TM 1,1-Dichloroethane	9.70	51846045	10.554	PPB	
11)	TM cis-1,2-Dichloroethene	11.92	47041673	11.039	PPB	
12)	tm Bromochloromethane	12.53	31926164	9.359	PPB	
13)	TM Chloroform	12.86	76601571	9.234	PPB	m
14)	tm 2,2-Dichloropropane	13.06	72213745	9.631	PPB	
15)	TM 1,2-Dichloroethane	15.35	59199264	10.940	PPB	
16)	TM 1,1,1-Trichloroethane	15.60	87134747	10.451	PPB	
17)	tm 1,1-Dichloropropene	16.36	64771667	11.294	PPB	
18)	TM Carbon Tetrachloride	16.81	103043794	10.728	PPB	
19)	tm Dibromomethane	18.95	29316432	11.300	PPB	m
20)	TM 1,2-Dichloropropane	19.14	63326657	10.616	PPB	
21)	TM Trichloroethene	19.30	80054733	10.162	PPB	
22)	TM Bromodichloromethane	19.43	74165591	10.432	PPB	
23)	TM 2-Chloroethylvinyl ether	20.79	8887128	9.262	PPB	m
24)	TM cis-1,3-Dichloropropene	21.06	60854825	10.481	PPB	
25)	TM trans-1,3-Dichloropropene	21.89f	48933417	11.159	PPB	
26)	TM 1,1,2-Trichloroethane	22.07	60373242	10.780	PPB	
28)	tm 1,3-Dichloropropane	22.45	54292355	10.329	PPB	
9)	TM Dibromochloromethane	22.75	42307531	10.996	PPB	

(f)=RT Delta > 1/2 Window

NP7720.D VRX1015.M

Wed Oct 16 10:59:04 1996

(m)=manual int.

RPT1

Page 1

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\NP7720.D
Signal #2 : C:\HPCHEM\5\DATA\NP7720.D\CONFIRM.D
Acq On : 15 Oct 96 12:26 PM
Sample : 10ppb STD.
Misc : GNP243,W,,,,,1
Quant Time: Oct 15 16:17 1996

Vial: 1
Operator: RMS
Inst : GC-NP
Multiplr: 1.00

Method : C:\HPCHEM\5\METHODS\VRX1015.M
Title : 601/602 BY GC-PID AND GC-ELCD
Last Update : Tue Oct 15 17:10:35 1996
Response via : Single Level Calibration

Volume Inj. : 5.0 ML PURGE VOLUME
Signal #1 Phase : (ELCD) J+W DBVRX Signal #2 Phase: (PID) J+W DBVRX 75mX
Signal #1 Info : Signal #2 Info :

	Compound	R.T.	Response	Conc Units
30) tm	1,2-Dibromoethane	23.08	25496022	11.216 PPB
31) TM	Tetrachloroethene	23.34	75560631	9.626 PPB
32) tm	1,1,1,2-Tetrachloroethane	24.09	71366167	10.048 PPB
33) TM	Chlorobenzene	24.17	34040302	9.987 PPB
34) TM	Bromoform	24.70	25261698	11.334 PPB
35) TM	1,1,2,2-Tetrachloroethane	25.06	39765260	11.586 PPB
36) tm	1,2,3-Trichloropropane	25.21	32315048	11.038 PPB
37) tm	Bromobenzene	25.65	21661658	10.829 PPB
38) tm	2-Chlorotoluene	25.95	26747621	10.881 PPB
39) tm	4-Chlorotoluene	26.03	29247995	10.134 PPB
40) TM	1,3-Dichlorobenzene	26.67	40071673	10.511 PPB
41) TM	1,4-Dichlorobenzene	26.73	46253488	9.589 PPB
42) TM	1,2-Dichlorobenzene	27.05	44124979	10.110 PPB
43) tm	1,2-Dibromomo-3-chloroprop	27.49	10418043	11.366 PPB
44) tm	1,2,4-Trichlorobenzene	28.92	47761702	11.165 PPB
45) tm	Hexachlorobutadiene	29.30	74711420	10.126 PPB
46) tm	1,2,3-Trichlorobenzene	29.47	53460201	8.873 PPB
48) TM	tert-Butyl Alcohol	6.92	1043335	988.543 PPB
49) tm	trans-1,2-Dichloroethene	8.88	3979960	9.719 PPB
50) tm	cis-1,2-Dichloroethene	11.90	2239900	9.809 PPB
51) tm	1,1-Dichloropropene	16.34	2560131	9.689 PPB
52) TM	Benzene	17.03	6509446	9.740 PPB
54) tm	Trichloroethene	19.28	3697236	9.749 PPB
56) tm	cis-1,3-Dichloropropene	21.04	1557498	10.060 PPB
57) TM	trans-1,3-Dichloropropene	21.87	1989263	10.273 PPB
58) TM	Toluene	22.34	6103649	9.383 PPB m
59) tm	Tetrachloroethene	23.32	2863159	9.573 PPB
60) TM	Chlorobenzene	24.15	6363492	9.804 PPB
61) TM	Ethylbenzene	24.42	5571228	9.798 PPB
62) TM	m,p-Xylene	24.65	13234836	19.407 PPB
63) tm	Styrene	24.98	6695533	9.885 PPB
64) TM	o-Xylene	25.05	5484700	9.762 PPB
65) tm	Isopropylbenzene	25.43	4628047	9.768 PPB
66) TM	Bromobenzene	25.63	6401524	9.918 PPB
67) tm	n-Propylbenzene	25.87	5128756	9.753 PPB
68) tm	2-Chlorotoluene	25.93	5758919	9.737 PPB
69) tm	4-Chlorotoluene	26.01	6105895	9.697 PPB
70) tm	1,3,5-Trimethylbenzene	26.16	7625856	9.801 PPB

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\NP7720.D
Signal #2 : C:\HPCHEM\5\DATA\NP7720.D\CONFIRM.D
Acq On : 15 Oct 96 12:26 PM
Sample : 10ppb STD.
Misc : GNP243,W,,,,1
Quant Time: Oct 15 16:17 1996

Vial: 1
Operator: RMS
Inst : GC-NP
Multiplr: 1.00

Method : C:\HPCHEM\5\METHODS\VRX1015.M
Title : 601/602 BY GC-PID AND GC-ELCD
Last Update : Tue Oct 15 17:10:35 1996
Response via : Single Level Calibration

Volume Inj. : 5.0 ML PURGE VOLUME
Signal #1 Phase : (ELCD) J+W DBVRX Signal #2 Phase: (PID) J+W DBVRX 75mX
Signal #1 Info : Signal #2 Info :

	Compound	R.T.	Response	Conc Units
71)	TM tert-Butylbenzene	26.40	4211461	9.626 PPB
72)	tm 1,2,4-Trimethylbenzene	26.51	5715337	9.717 PPB
73)	tm sec-Butylbenzene	26.60	4214978	9.694 PPB
74)	TM 1,3-Dichlorobenzene	26.65	5811223	9.688 PPB
75)	TM 1,4-Dichlorobenzene	26.71	5379858	9.852 PPB
76)	tm p-Isopropyltoluene	26.78	4605963	9.591 PPB
77)	TM 1,2-Dichlorobenzene	27.03	4573063	9.892 PPB
78)	tm n-Butylbenzene	27.15	4837402	9.723 PPB
79)	tm 1,2,4-Trichlorobenzene	28.90	3428550	10.117 PPB
80)	tm Naphthalene	29.21	3594539	11.032 PPB
81)	tm Hexachlorobutadiene	29.28	2921627	9.845 PPB
82)	tm 1,2,3-Trichlorobenzene	29.45	3398149	10.245 PPB
83)	TM Methyl tert butyl ether	9.44	1784233	10.381 PPB
84)	tm 2-Chloroethylvinyl ether	20.77	941470	8.443 PPB

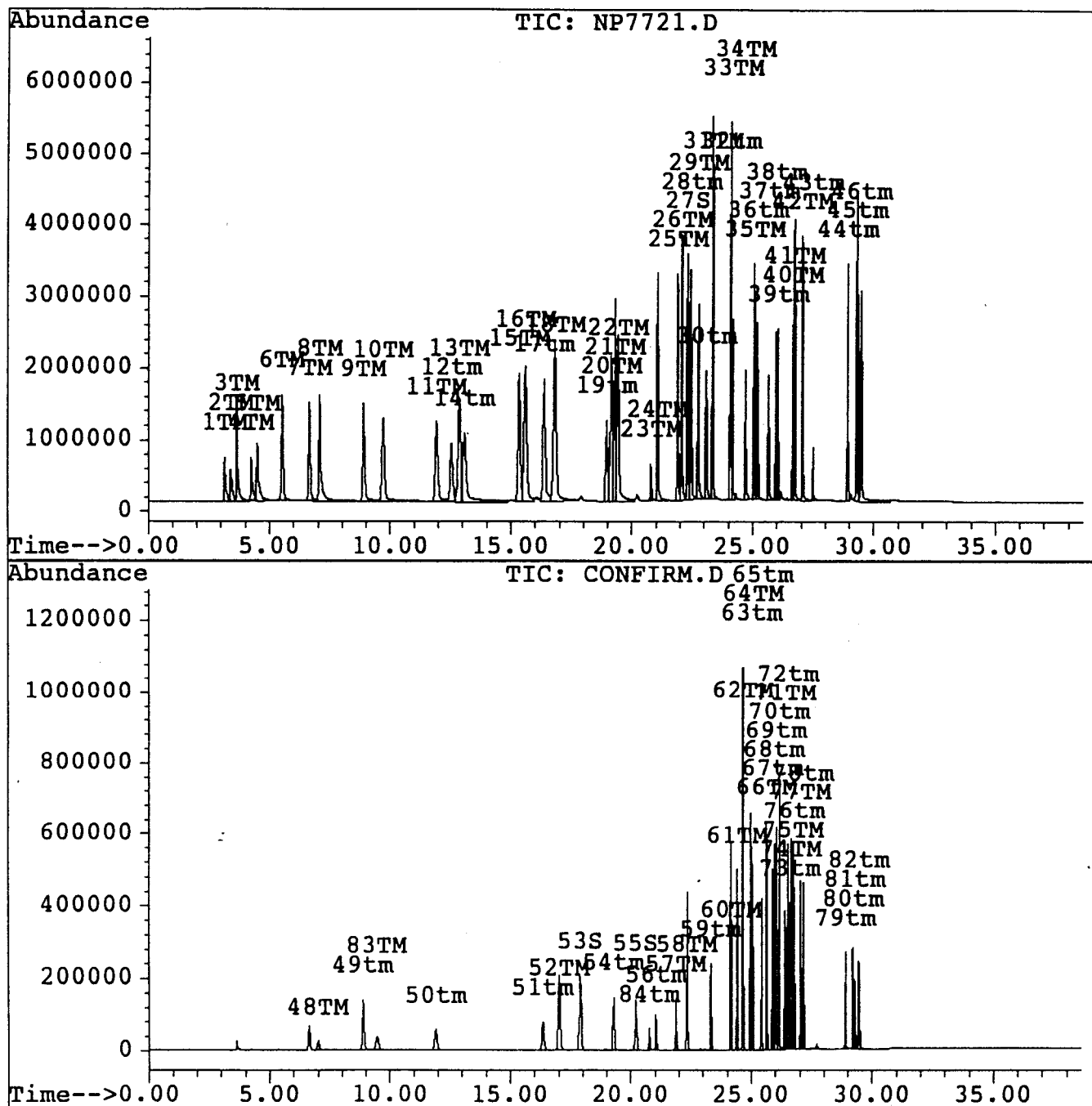
Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\NP7721.D
 Signal #2 : C:\HPCHEM\5\DATA\NP7721.D\CONFIRM.D
 Acq On : 15 Oct 96 01:11 PM
 Sample : 20ppb STD.
 Misc : GNP243,W,,,,,1
 Quant Time: Oct 15 16:53 1996

Vial: 1
 Operator: RMS
 Inst : GC-NP
 Multiplr: 1.00

Method : C:\HPCHEM\5\METHODS\VRX1015.M
 Title : 601/602 BY GC-PID AND GC-ELCD
 Last Update : Tue Oct 15 17:10:35 1996
 Response via : Single Level Calibration

Volume Inj. : 5.0 ML PURGE VOLUME
 Signal #1 Phase : (ELCD) J+W DBVRX Signal #2 Phase: (PID) J+W DBVRX 75mX
 Signal #1 Info : Signal #2 Info :



Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\NP7721.D
Signal #2 : C:\HPCHEM\5\DATA\NP7721.D\CONFIRM.D
Acq On : 15 Oct 96 01:11 PM
Sample : 20ppb STD.
Misc : GNP243,W,,,,,1
Quant Time: Oct 15 16:53 1996

Vial: 1
Operator: RMS
Inst : GC-NP
Multiplr: 1.00

Method : C:\HPCHEM\5\METHODS\VRX1015.M
Title : 601/602 BY GC-PID AND GC-ELCD
Last Update : Tue Oct 15 17:10:35 1996
Response via : Single Level Calibration

Volume Inj. : 5.0 ML PURGE VOLUME
Signal #1 Phase : (ELCD) J+W DBVRX Signal #2 Phase: (PID) J+W DBVRX 75mX
Signal #1 Info : Signal #2 Info :

Compound		R.T.	Response	Conc	Units	

System Monitoring Compounds						
27)	S 2-Bromo-1-Chloropropane	22.30	115024703	33.790	PPB	
			Recovery =	112.63%		
53)	S Fluorobenzene	17.90	12369810	29.815	PPB	
			Recovery =	99.38%		
55)	S aaa-Trifluorotoluene #2	20.20	6096216	30.005	PPB	
			Recovery =	100.02%		
Target Compounds						
1)	TM Dichlorodifluoromethane	3.15	26946634	24.097	PPB	m
2)	TM Chloromethane	3.40	24358916	38.298	PPB	m
3)	TM Vinyl Chloride	3.65	52271238	20.872	PPB	
4)	TM Bromomethane	4.24	28445073	27.706	PPB	m
5)	TM Chloroethane	4.51	47340835	26.822	PPB	
6)	TM Trichlorofluoromethane	5.52	77275042	21.956	PPB	
7)	TM 1,1-Dichloroethene	6.65	70954404	20.577	PPB	
8)	TM Methylene Chloride	7.07	96915937	19.875	PPB	
9)	TM trans-1,2-Dichloroethene	8.89	82726748	20.465	PPB	
10)	TM 1,1-Dichloroethane	9.70	96377689	19.618	PPB	
11)	TM cis-1,2-Dichloroethene	11.93	90502561	21.237	PPB	
12)	tm Bromochloromethane	12.53	62556304	18.338	PPB	
13)	TM Chloroform	12.86	135063969	16.281	PPB	m
14)	tm 2,2-Dichloropropane	13.08	136478848	18.203	PPB	m
15)	TM 1,2-Dichloroethane	15.35	115713386	21.384	PPB	
16)	TM 1,1,1-Trichloroethane	15.61	162939601	19.543	PPB	
17)	tm 1,1-Dichloropropene	16.36	123516244	21.538	PPB	
18)	TM Carbon Tetrachloride	16.81	187984266	19.572	PPB	
19)	tm Dibromomethane	18.95	60158581	23.188	PPB	m
20)	TM 1,2-Dichloropropane	19.14	121089943	20.299	PPB	
21)	TM Trichloroethene	19.30	149424422	18.967	PPB	
22)	TM Bromodichloromethane	19.43	147893610	20.803	PPB	m
23)	TM 2-Chloroethylvinyl ether	20.79	17129215	17.851	PPB	m
24)	TM cis-1,3-Dichloropropene	21.06	111551277	19.213	PPB	
25)	TM trans-1,3-Dichloropropene	21.89f	93457838	21.313	PPB	
26)	TM 1,1,2-Trichloroethane	22.07	116944875	20.882	PPB	
28)	tm 1,3-Dichloropropane	22.45	95670525	18.200	PPB	
29)	TM Dibromochloromethane	22.75	81110299	21.082	PPB	

(f)=RT Delta > 1/2 Window

NP7721.D VRX1015.M

Wed Oct 16 11:01:13 1996

(m)=manual in 42

RPT1

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Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\NP7721.D
Signal #2 : C:\HPCHEM\5\DATA\NP7721.D\CONFIRM.D
Acq On : 15 Oct 96 01:11 PM
Sample : 20ppb STD.
Misc : GNP243,W,,,,1
Quant Time: Oct 15 16:53 1996

Vial: 1
Operator: RMS
Inst : GC-NP
Multiplr: 1.00

Method : C:\HPCHEM\5\METHODS\VRX1015.M
Title : 601/602 BY GC-PID AND GC-ELCD
Last Update : Tue Oct 15 17:10:35 1996
Response via : Single Level Calibration

Volume Inj. : 5.0 ML PURGE VOLUME
Signal #1 Phase : (ELCD) J+W DBVRX Signal #2 Phase: (PID) J+W DBVRX 75mX
Signal #1 Info : Signal #2 Info :

	Compound	R.T.	Response	Conc	Units
30)	tm 1,2-Dibromoethane	23.08	51181495	22.514	PPB
31)	TM Tetrachloroethene	23.34	143382775	18.267	PPB
32)	tm 1,1,1,2-Tetrachloroethane	24.09	136501221	19.219	PPB
33)	TM Chlorobenzene	24.17	62691330	18.392	PPB
34)	TM Bromoform	24.70	49587357	22.249	PPB
35)	TM 1,1,2,2-Tetrachloroethane	25.06	75444445	21.981	PPB
36)	tm 1,2,3-Trichloropropane	25.21	60368912	20.620	PPB
37)	tm Bromobenzene	25.65	42911154	21.452	PPB
38)	tm 2-Chlorotoluene	25.95	50024545	20.351	PPB
39)	tm 4-Chlorotoluene	26.03	53407106	18.505	PPB
40)	TM 1,3-Dichlorobenzene	26.67	77382122	20.298	PPB
41)	TM 1,4-Dichlorobenzene	26.73	87010391	18.039	PPB m
42)	TM 1,2-Dichlorobenzene	27.05	83708755	19.180	PPB m
43)	tm 1,2-Dibromomo-3-chloroprop	27.49	21213409	23.143	PPB
44)	tm 1,2,4-Trichlorobenzene	28.92	88679701	20.731	PPB
45)	tm Hexachlorobutadiene	29.30	138821573	18.816	PPB
46)	tm 1,2,3-Trichlorobenzene	29.47	111344544	18.481	PPB m
48)	TM tert-Butyl Alcohol	7.01f	1665841	1578.357	PPB
49)	tm trans-1,2-Dichloroethene	8.88	7811485	19.076	PPB
50)	tm cis-1,2-Dichloroethene	11.90	4412864	19.325	PPB
51)	tm 1,1-Dichloropropene	16.34	5013030	18.971	PPB
52)	TM Benzene	17.03	12734251	19.054	PPB
54)	tm Trichloroethene	19.28	7281563	19.201	PPB
56)	tm cis-1,3-Dichloropropene	21.04	3087739	19.943	PPB
57)	TM trans-1,3-Dichloropropene	21.87	3973067	20.518	PPB
58)	TM Toluene	22.34	12079764	18.570	PPB
59)	tm Tetrachloroethene	23.32	5664064	18.937	PPB
60)	TM Chlorobenzene	24.15	12489367	19.242	PPB
61)	TM Ethylbenzene	24.42	10959524	19.274	PPB
62)	TM m,p-Xylene	24.65	25948525	38.050	PPB
63)	tm Styrene	24.98	13161683	19.431	PPB
64)	TM o-Xylene	25.05	10713640	19.068	PPB
65)	tm Isopropylbenzene	25.43	9107271	19.222	PPB
66)	TM Bromobenzene	25.63	12636728	19.579	PPB
67)	tm n-Propylbenzene	25.87	10084264	19.176	PPB
68)	tm 2-Chlorotoluene	25.93	11437802	19.338	PPB
69)	tm 4-Chlorotoluene	26.01	11938507	18.959	PPB
0)	tm 1,3,5-Trimethylbenzene	26.16	14886718	19.133	PPB

(f)=RT Delta > 1/2 Window

NP7721.D VRX1015.M

Wed Oct 16 11:01:27 1996

(m)=manual int¹³

RPT1

Page 2

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\NP7721.D
 Signal #2 : C:\HPCHEM\5\DATA\NP7721.D\CONFIRM.D
 Acq On : 15 Oct 96 01:11 PM
 Sample : 20ppb STD.
 Misc : GNP243,W,,,,1
 Quant Time: Oct 15 16:53 1996

Vial: 1
 Operator: RMS
 Inst : GC-NP
 Multiplr: 1.00

Method : C:\HPCHEM\5\METHODS\VRX1015.M
 Title : 601/602 BY GC-PID AND GC-ELCD
 Last Update : Tue Oct 15 17:10:35 1996
 Response via : Single Level Calibration

Volume Inj. : 5.0 ML PURGE VOLUME
 Signal #1 Phase : (ELCD) J+W DBVRX Signal #2 Phase: (PID) J+W DBVRX 75mX
 Signal #1 Info : Signal #2 Info :

Compound	R.T.	Response	Conc Units
71) TM tert-Butylbenzene	26.40	8231051	18.814 PPB
72) tm 1,2,4-Trimethylbenzene	26.51	11114308	18.896 PPB
73) tm sec-Butylbenzene	26.60	8170951	18.793 PPB
74) TM 1,3-Dichlorobenzene	26.65	11427630	19.051 PPB
75) TM 1,4-Dichlorobenzene	26.71	10533091	19.289 PPB
76) tm p-Isopropyltoluene	26.78	8984867	18.708 PPB
77) TM 1,2-Dichlorobenzene	27.03	8968656	19.400 PPB
78) tm n-Butylbenzene	27.15	9408446	18.910 PPB
79) tm 1,2,4-Trichlorobenzene	28.90	6654833	19.638 PPB
80) tm Naphthalene	29.21	7149380	21.942 PPB
81) tm Hexachlorobutadiene	29.28	5650525	19.040 PPB
82) tm 1,2,3-Trichlorobenzene	29.46	6605448	19.914 PPB
83) TM Methyl tert butyl ether	9.46	3540611	20.600 PPB
84) tm 2-Chloroethylvinyl ether	20.77	2010528	18.029 PPB

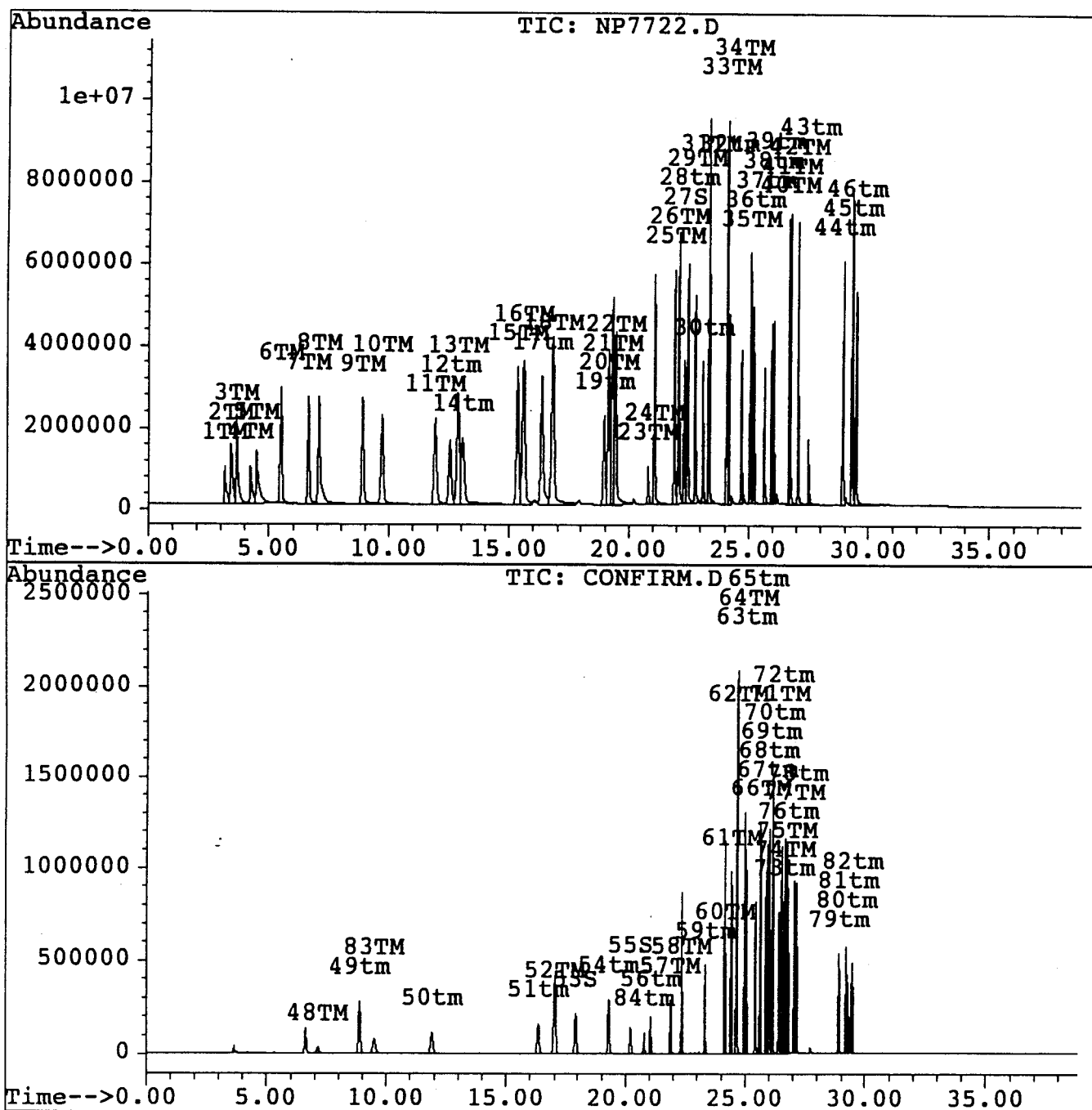
Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\NP7722.D
 Signal #2 : C:\HPCHEM\5\DATA\NP7722.D\CONFIRM.D
 Acq On : 15 Oct 96 02:23 PM
 Sample : 40ppb STD.
 Misc : GNP243,W,,,,,1
 Quant Time: Oct 15 17:03 1996

Vial: 1
 Operator: RMS
 Inst : GC-NP
 Multiplr: 1.00

Method : C:\HPCHEM\5\METHODS\VRX1015.M
 Title : 601/602 BY GC-PID AND GC-ELCD
 Last Update : Tue Oct 15 17:10:35 1996
 Response via : Single Level Calibration

Volume Inj. : 5.0 ML PURGE VOLUME
 Signal #1 Phase : (ELCD) J+W DBVRX Signal #2 Phase: (PID) J+W DBVRX 75mX
 Signal #1 Info : Signal #2 Info :



Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\NP7722.D
Signal #2 : C:\HPCHEM\5\DATA\NP7722.D\CONFIRM.D
Acq On : 15 Oct 96 02:23 PM
Sample : 40ppb STD.
Misc : GNP243,W,,,,1
Quant Time: Oct 15 17:03 1996

Vial: 1
Operator: RMS
Inst : GC-NP
Multiplr: 1.00

Method : C:\HPCHEM\5\METHODS\VRX1015.M
Title : 601/602 BY GC-PID AND GC-ELCD
Last Update : Tue Oct 15 17:10:35 1996
Response via : Single Level Calibration

Volume Inj. : 5.0 ML PURGE VOLUME
Signal #1 Phase : (ELCD) J+W DBVRX Signal #2 Phase: (PID) J+W DBVRX 75mX
Signal #1 Info : Signal #2 Info :

Compound		R.T.	Response	Conc	Units

System Monitoring Compounds					
27)	S 2-Bromo-1-Chloropropane	22.30	118062031	34.682	PPB
			Recovery =	115.61%	
53)	S Fluorobenzene	17.89	12928341	31.161	PPB
			Recovery =	103.87%	
55)	S aaa-Trifluorotoluene #2	20.20	6293850	30.978	PPB
			Recovery =	103.26%	
Target Compounds					
1)	TM Dichlorodifluoromethane	3.15	55026192	49.208	PPB
2)	TM Chloromethane	3.41	108392617	170.418	PPB
3)	TM Vinyl Chloride	3.65	108834751	43.457	PPB
4)	TM Bromomethane	4.23	55837282	54.386	PPB
5)	TM Chloroethane	4.49	103832370	58.828	PPB
6)	TM Trichlorofluoromethane	5.50	146419561	41.602	PPB
7)	TM 1,1-Dichloroethene	6.63	136237535	39.509	PPB
8)	TM Methylene Chloride	7.07	181473346	37.216	PPB
9)	TM trans-1,2-Dichloroethene	8.89	156296663	38.664	PPB
10)	TM 1,1-Dichloroethane	9.70	173654586	35.348	PPB
11)	TM cis-1,2-Dichloroethene	11.92	170126127	39.922	PPB
12)	tm Bromochloromethane	12.53	120405290	35.296	PPB
13)	TM Chloroform	12.87	223748935	26.972	PPB
14)	tm 2,2-Dichloropropane	13.06	171347467	22.853	PPB
15)	TM 1,2-Dichloroethane	15.35	217244563	40.147	PPB
16)	TM 1,1,1-Trichloroethane	15.60	297900646	35.731	PPB
17)	tm 1,1-Dichloropropene	16.35	231330986	40.338	PPB
18)	TM Carbon Tetrachloride	16.80	349202171	36.357	PPB
19)	tm Dibromomethane	18.95	117528515	45.301	PPB
20)	TM 1,2-Dichloropropane	19.14	222949513	37.374	PPB
21)	TM Trichloroethene	19.30	275139181	34.925	PPB
22)	TM Bromodichloromethane	19.43	247783994	34.854	PPB
23)	TM 2-Chloroethylvinyl ether	20.79	34209712	35.651	PPB
24)	TM cis-1,3-Dichloropropene	21.06	202244604	34.833	PPB
25)	TM trans-1,3-Dichloropropene	21.89f	173763678	39.627	PPB
26)	TM 1,1,2-Trichloroethane	22.07	215703152	38.516	PPB
28)	tm 1,3-Dichloropropane	22.45	176844911	33.643	PPB
.9)	TM Dibromochloromethane	22.75	156491761	40.674	PPB

(f)=RT Delta > 1/2 Window

NP7722.D VRX1015.M

Wed Oct 16 11:03:00 1996

(m)=manual int
RPT1

Page 1

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\NP7722.D
 Signal #2 : C:\HPCHEM\5\DATA\NP7722.D\CONFIRM.D
 Acq On : 15 Oct 96 02:23 PM
 Sample : 40ppb STD.
 Misc : GNP243,W,,,,,1
 Quant Time: Oct 15 17:03 1996

Vial: 1
 Operator: RMS
 Inst : GC-NP
 Multiplr: 1.00

Method : C:\HPCHEM\5\METHODS\VRX1015.M
 Title : 601/602 BY GC-PID AND GC-ELCD
 Last Update : Tue Oct 15 17:10:35 1996
 Response via : Single Level Calibration

Volume Inj. : 5.0 ML PURGE VOLUME
 Signal #1 Phase : (ELCD) J+W DBVRX Signal #2 Phase: (PID) J+W DBVRX 75mX
 Signal #1 Info : Signal #2 Info :

	Compound	R.T.	Response	Conc Units	
30)	tm 1,2-Dibromoethane	23.08	99365460	43.710 PPB	
31)	TM Tetrachloroethene	23.34	256257368	32.647 PPB	
32)	tm 1,1,1,2-Tetrachloroethane	24.09	249768964	35.166 PPB	
33)	TM Chlorobenzene	24.17	116278482	34.114 PPB	
34)	TM Bromoform	24.70	95917170	43.036 PPB	
35)	TM 1,1,2,2-Tetrachloroethane	25.07	145115832	42.280 PPB	
36)	tm 1,2,3-Trichloropropane	25.21	117187729	40.027 PPB	
37)	tm Bromobenzene	25.65	81514424	40.749 PPB	
38)	tm 2-Chlorotoluene	25.95	94911507	38.611 PPB	
39)	tm 4-Chlorotoluene	26.03	98561787	34.151 PPB	
40)	TM 1,3-Dichlorobenzene	26.67	146734135	38.490 PPB	
41)	TM 1,4-Dichlorobenzene	26.73	156458010	32.436 PPB	
42)	TM 1,2-Dichlorobenzene	27.05	153374514	35.142 PPB	
43)	tm 1,2-Dibromomo-3-chloroprop	27.49	43162681	47.088 PPB	
44)	tm 1,2,4-Trichlorobenzene	28.92	165089593	38.594 PPB	
45)	tm Hexachlorobutadiene	29.30	251936969	34.147 PPB	
46)	tm 1,2,3-Trichlorobenzene	29.48	169651636	28.158 PPB	
48)	TM tert-Butyl Alcohol	7.13f	2323399	2201.383 PPB	m
49)	tm trans-1,2-Dichloroethene	8.87	15626071	38.159 PPB	
50)	tm cis-1,2-Dichloroethene	11.90	8960338	39.239 PPB	
51)	tm 1,1-Dichloropropene	16.34	10135714	38.358 PPB	
52)	TM Benzene	17.02	25797280	38.601 PPB	
54)	tm Trichloroethene	19.28	14599913	38.499 PPB	
56)	tm cis-1,3-Dichloropropene	21.04	6227171	40.220 PPB	
57)	TM trans-1,3-Dichloropropene	21.87	8086465	41.761 PPB	
58)	TM Toluene	22.34	23909068	36.755 PPB	
59)	tm Tetrachloroethene	23.32	11453334	38.293 PPB	
60)	TM Chlorobenzene	24.15	24899238	38.361 PPB	
61)	TM Ethylbenzene	24.42	21665623	38.103 PPB	
62)	TM m,p-Xylene	24.65	50728417	74.386 PPB	
63)	tm Styrene	24.98	26072540	38.492 PPB	
64)	TM o-Xylene	25.05	20935900	37.261 PPB	
65)	tm Isopropylbenzene	25.43	17987764	37.965 PPB	
66)	TM Bromobenzene	25.63	25093178	38.879 PPB	
67)	tm n-Propylbenzene	25.87	20048731	38.124 PPB	
68)	tm 2-Chlorotoluene	25.93	22834522	38.606 PPB	
59)	tm 4-Chlorotoluene	26.01	23522377	37.356 PPB	
70)	tm 1,3,5-Trimethylbenzene	26.16	29314874	37.677 PPB	

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\NP7722.D
Signal #2 : C:\HPCHEM\5\DATA\NP7722.D\CONFIRM.D
Acq On : 15 Oct 96 02:23 PM
Sample : 40ppb STD.
Misc : GNP243,W,,,,1
Quant Time: Oct 15 17:03 1996

Vial: 1
Operator: RMS
Inst : GC-NP
Multiplr: 1.00

Method : C:\HPCHEM\5\METHODS\VRX1015.M
Title : 601/602 BY GC-PID AND GC-ELCD
Last Update : Tue Oct 15 17:10:35 1996
Response via : Single Level Calibration

Volume Inj. : 5.0 ML PURGE VOLUME
Signal #1 Phase : (ELCD) J+W DBVRX Signal #2 Phase: (PID) J+W DBVRX 75mX
Signal #1 Info : Signal #2 Info :

	Compound	R.T.	Response	Conc	Units
71)	TM tert-Butylbenzene	26.40	16310599	37.282	PPB
72)	tm 1,2,4-Trimethylbenzene	26.51	22058191	37.502	PPB
73)	tm sec-Butylbenzene	26.60	16268202	37.416	PPB
74)	TM 1,3-Dichlorobenzene	26.65	22926866	38.222	PPB
75)	TM 1,4-Dichlorobenzene	26.72	21143853	38.720	PPB
76)	tm p-Isopropyltoluene	26.78	17860228	37.189	PPB
77)	TM 1,2-Dichlorobenzene	27.03	17995349	38.926	PPB
78)	tm n-Butylbenzene	27.15	18728700	37.642	PPB
79)	tm 1,2,4-Trichlorobenzene	28.90	13425183	39.616	PPB
80)	tm Naphthalene	29.21	14707737	45.139	PPB
81)	tm Hexachlorobutadiene	29.28	11111116	37.441	PPB
82)	tm 1,2,3-Trichlorobenzene	29.46	13273503	40.016	PPB
83)	TM Methyl tert butyl ether	9.48f	7198816	41.884	PPB
84)	tm 2-Chloroethylvinyl ether	20.77	3822273	34.276	PPB

Evaluate Continuing Calibration Report

Signal #1 : C:\HPCHEM\5\DATA\NP7731.D
 Signal #2 : C:\HPCHEM\5\DATA\NP7731.D\CONFIRM.D
 Acq On : 16 Oct 96 09:44 AM
 Sample : 5ppb STD.
 Misc : GNP244,W,,,,1

Vial: 1
 Operator: RMS
 Inst : GC-NP
 Multiplr: 1.00

Method : C:\HPCHEM\5\METHODS\VRX1015.M
 Title : 601/602 BY GC-PID AND GC-ELCD
 Last Update : Tue Oct 15 17:10:35 1996
 Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.10min
 Max. RRF Dev : 15% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	TM Dichlorodifluoromethane	1.225	1.098 E6	10.4	92	0.00
2	TM Chloromethane	747.968	674.837 E3	9.8	96	0.01
3	TM Vinyl Chloride	2.654	2.505 E6	5.6	90	0.00
4	TM Bromomethane	1.312	1.146 E6	12.6	85	0.00
5	TM Chloroethane	2.259	2.049 E6	9.3	96	0.00
6	TM Trichlorofluoromethane	3.859	3.733 E6	3.3	93	0.01
7	TM 1,1-Dichloroethene	3.604	3.182 E6	11.7	85	0.01
8	TM Methylene Chloride	5.574	4.864 E6	12.7	87	0.01
9	TM trans-1,2-Dichloroethene	4.321	4.005 E6	7.3	88	0.02
10	TM 1,1-Dichloroethane	5.169	5.046 E6	2.4	92	0.02
11	TM cis-1,2-Dichloroethene	4.614	4.242 E6	8.1	89	0.02
12	tm Bromochloromethane	3.545	3.023 E6	14.7	80	0.02
13	TM Chloroform	7.950	7.772 E6	2.2	88	0.02
14	tm 2,2-Dichloropropane	7.672	7.631 E6	0.5	93	0.02
15	TM 1,2-Dichloroethane	5.677	5.635 E6	0.7	95	0.02
16	TM 1,1,1-Trichloroethane	9.181	8.576 E6	6.6	93	0.02
17	tm 1,1-Dichloropropene	6.321	6.297 E6	0.4	94	0.02
18	TM Carbon Tetrachloride	10.833	10.419 E6	3.8	94	0.02
19	tm Dibromomethane	2.839	2.644 E6	6.9	94	0.02
20	TM 1,2-Dichloropropane	6.141	6.181 E6	-0.6	94	0.02
21	TM Trichloroethene	7.796	7.564 E6	3.0	92	0.02
22	TM Bromodichloromethane	7.982	7.660 E6	4.0	95	0.02
23	TM 2-Chloroethylvinyl ether	805.812	742.459 E3	7.9	94	0.02
24	TM cis-1,3-Dichloropropene	5.973	5.881 E6	1.5	93	0.02
25	TM trans-1,3-Dichloropropene	4.591	4.533 E6	1.3	95	0.03
26	TM 1,1,2-Trichloroethane	6.024	6.044 E6	-0.3	97	0.01
27	S 2-Bromo-1-Chloropropane	3.602	3.530 E6	2.0	99	0.01
28	tm 1,3-Dichloropropane	5.223	5.415 E6	-3.7	90	0.00
29	TM Dibromochloromethane	4.080	4.043 E6	0.9	95	0.01
30	tm 1,2-Dibromoethane	2.434	2.381 E6	2.2	94	0.01
31	TM Tetrachloroethene	7.911	7.612 E6	3.8	93	0.00
32	tm 1,1,1,2-Tetrachloroethane	7.137	7.170 E6	-0.5	94	0.00
33	TM Chlorobenzene	3.373	3.344 E6	0.8	95	0.00
34	TM Bromoform	2.370	2.481 E6	-4.6	100	0.00
35	TM 1,1,2,2-Tetrachloroethane	3.853	3.883 E6	-0.8	99	0.00
36	tm 1,2,3-Trichloropropane	3.189	3.198 E6	-0.3	101	0.00
37	tm Bromobenzene	2.066	2.025 E6	2.0	93	0.00
38	tm 2-Chlorotoluene	2.519	2.576 E6	-2.2	97	0.00
39	tm 4-Chlorotoluene	2.877	2.869 E6	0.3	94	0.00
40	TM 1,3-Dichlorobenzene	3.890	3.919 E6	-0.8	95	0.00
41	TM 1,4-Dichlorobenzene	4.920	4.794 E6	2.6	96	0.00

(#) = Out of Range

NP7731.D VRX1015.M

Wed Oct 16 10:24:47 1996

RPT1

Page 1

Evaluate Continuing Calibration Report

Signal #1 : C:\HPCHEM\5\DATA\NP7731.D
 Signal #2 : C:\HPCHEM\5\DATA\NP7731.D\CONFIRM.D
 Acq On : 16 Oct 96 09:44 AM
 Sample : 5ppb STD.
 Misc : GNP244,W,,,,1

Vial: 1

Operator: RMS
 Inst : GC-NP
 Multiplr: 1.00

Method : C:\HPCHEM\5\METHODS\VRX1015.M
 Title : 601/602 BY GC-PID AND GC-ELCD
 Last Update : Tue Oct 15 17:10:35 1996
 Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.10min
 Max. RRF Dev : 15% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
42 TM	1,2-Dichlorobenzene	4.647	4.534 E6	2.4	96	0.00
43 tm	1,2-Dibromomo-3-chloropropa	989.380	990.049 E3	-0.1	105	0.00
44 tm	1,2,4-Trichlorobenzene	4.562	4.565 E6	-0.1	99	0.00
45 tm	Hexachlorobutadiene	7.332	7.526 E6	-2.6	96	0.00
46 tm	1,2,3-Trichlorobenzene	5.844	5.778 E6	1.1	98	0.00

Signal #2

Data File : C:\HPCHEM\5\DATA\NP7731.D\CONFIRM.D
 Acq On : 16 Oct 96 09:44 AM
 Sample : 5ppb STD.
 Misc : GNP244,W,,,,1

Vial: 1
 Operator: RMS
 Inst : GC-NP
 Multiplr: 1.00

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(Min)
48 TM	tert-Butyl Alcohol	1.122	0.000 E3	100.0#	0#	-6.90#
49 tm	trans-1,2-Dichloroethene	388.311	362.103 E3	6.7	91	0.02
50 tm	cis-1,2-Dichloroethene	220.145	205.130 E3	6.8	91	0.02
51 tm	1,1-Dichloropropene	251.508	233.465 E3	7.2	91	0.02
52 TM	Benzene	642.080	607.237 E3	5.4	93	0.02
53 S	Fluorobenzene	411.061	402.492 E3	2.1	98	0.03
54 tm	Trichloroethene	365.308	339.268 E3	7.1	91	0.02
55 S	aaa-Trifluorotoluene #2	200.965	197.127 E3	1.9	98	0.02
56 tm	cis-1,3-Dichloropropene	153.263	142.132 E3	7.3	92	0.02
57 TM	trans-1,3-Dichloropropene	195.604	184.043 E3	5.9	94	0.03
58 TM	Toluene	623.101	583.970 E3	6.3	92	0.01
59 tm	Tetrachloroethene	285.583	266.599 E3	6.6	92	0.00
60 TM	Chlorobenzene	630.050	598.764 E3	5.0	93	0.00
61 TM	Ethylbenzene	550.783	521.060 E3	5.4	92	0.00
62 TM	m,p-Xylene	658.282	628.827 E3	4.5	92	0.00
63 tm	Styrene	662.614	629.384 E3	5.0	93	0.00
64 TM	o-Xylene	543.286	518.370 E3	4.6	93	0.00
65 tm	Isopropylbenzene	458.851	432.764 E3	5.7	92	0.00
66 TM	Bromobenzene	633.793	604.774 E3	4.6	93	0.00
67 tm	n-Propylbenzene	507.773	486.577 E3	4.2	93	0.00
68 tm	2-Chlorotoluene	580.432	568.143 E3	2.1	97	0.00
69 tm	4-Chlorotoluene	612.470	583.049 E3	4.8	93	0.00
70 tm	1,3,5-Trimethylbenzene	759.193	719.473 E3	5.2	92	0.00
TM	tert-Butylbenzene	422.300	399.941 E3	5.3	92	0.00
72 tm	1,2,4-Trimethylbenzene	567.407	546.343 E3	3.7	93	0.00
73 tm	sec-Butylbenzene	416.238	398.429 E3	4.3	92	0.00

(#) = Out of Range

CONFIRM.D VRX1015.M

Wed Oct 16 10:25:18 1996

RPT1

Page 2

Evaluate Continuing Calibration Report

Data File : C:\HPCHEM\5\DATA\NP7731.D\CONFIRM.D
 Acq On : 16 Oct 96 09:44 AM
 Sample : 5ppb STD.
 Misc : GNP244,W,,,,1

Vial: 1
 Operator: RMS
 Inst : GC-NP
 Multiplr: 1.00

Method : C:\HPCHEM\5\METHODS\VRX1015.M
 Title : 601/602 BY GC-PID AND GC-ELCD
 Last Update : Tue Oct 15 17:10:35 1996
 Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.10min
 Max. RRF Dev : 15% Max. Rel. Area : 150%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
74 TM 1,3-Dichlorobenzene	578.819	555.019 E3	4.1	94	0.00
75 TM 1,4-Dichlorobenzene	534.940	514.893 E3	3.7	94	0.00
76 tm p-Isopropyltoluene	463.026	444.242 E3	4.1	92	0.00
77 TM 1,2-Dichlorobenzene	454.917	439.786 E3	3.3	95	0.00
78 tm n-Butylbenzene	483.019	459.506 E3	4.9	92	0.00
79 tm 1,2,4-Trichlorobenzene	336.710	325.142 E3	3.4	96	0.00
80 tm Naphthalene	364.810	352.095 E3	3.5	101	0.00
81 tm Hexachlorobutadiene	285.922	272.085 E3	4.8	91	0.00
82 tm 1,2,3-Trichlorobenzene	334.079	325.320 E3	2.6	95	0.00
83 TM Methyl tert butyl ether	173.396	164.407 E3	5.2	95	0.02
84 tm 2-Chloroethylvinyl ether	90.963	77.533 E3	14.8	92	0.02

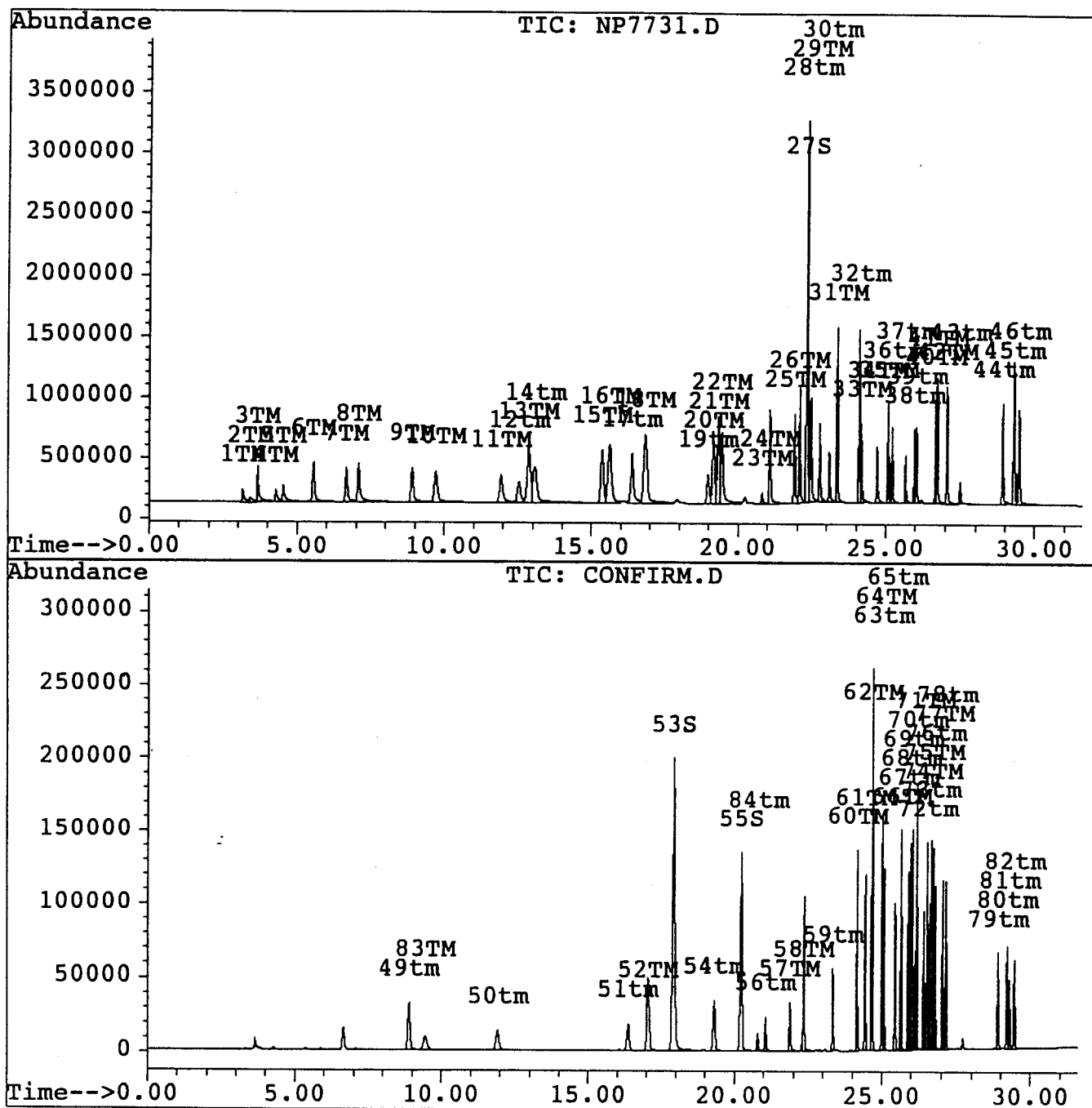
Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\NP7731.D
 Signal #2 : C:\HPCHEM\5\DATA\NP7731.D\CONFIRM.D
 Acq On : 16 Oct 96 09:44 AM
 Sample : 5ppb STD.
 Misc : GNP244,W,,,,,1
 Quant Time: Oct 16 10:23 1996

Vial: 1
 Operator: RMS
 Inst : GC-NP
 Multiplr: 1.00

Method : C:\HPCHEM\5\METHODS\VRX1015.M
 Title : 601/602 BY GC-PID AND GC-ELCD
 Last Update : Tue Oct 15 17:10:35 1996
 Response via : Multiple Level Calibration

Volume Inj. : 5.0 ML PURGE VOLUME
 Signal #1 Phase : (ELCD) J+W DBVRX Signal #2 Phase: (PID) J+W DBVRX 75mX
 Signal #1 Info : Signal #2 Info :



Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\NP7731.D
Signal #2 : C:\HPCHEM\5\DATA\NP7731.D\CONFIRM.D
Acq On : 16 Oct 96 09:44 AM
Sample : 5ppb STD.
Misc : GNP244,W,,,,1
Quant Time: Oct 16 10:23 1996

Vial: 1

Operator: RMS
Inst : GC-NP
Multiplr: 1.00

Method : C:\HPCHEM\5\METHODS\VRX1015.M
Title : 601/602 BY GC-PID AND GC-ELCD
Last Update : Tue Oct 15 17:10:35 1996
Response via : Multiple Level Calibration

Volume Inj. : 5.0 ML PURGE VOLUME

Signal #1 Phase : (ELCD) J+W DBVRX Signal #2 Phase: (PID) J+W DBVRX 75mX
Signal #1 Info : Signal #2 Info :

Compound	R.T.	Response	Conc	Units

System Monitoring Compounds				
27) S 2-Bromo-1-Chloropropane	22.31	105886741	29.394	PPB
		Recovery =	97.98%	
53) S Fluorobenzene	17.91	12074766	29.375	PPB
		Recovery =	97.92%	
55) S aaa-Trifluorotoluene #2	20.21	5913803	29.427	PPB
		Recovery =	98.09%	
Target Compounds				
1) TM Dichlorodifluoromethane	3.15	5489596	4.481	PPB m
2) TM Chloromethane	3.41	3374183	4.511	PPB m
3) TM Vinyl Chloride	3.66	12525824	4.719	PPB
4) TM Bromomethane	4.27	5729570	4.368	PPB m
5) TM Chloroethane	4.52	10245318	4.535	PPB m
6) TM Trichlorofluoromethane	5.55	18663665	4.836	PPB
7) TM 1,1-Dichloroethene	6.66	15907842	4.414	PPB
8) TM Methylene Chloride	7.07	24321689	4.364	PPB m
9) TM trans-1,2-Dichloroethene	8.91	20025441	4.635	PPB
10) TM 1,1-Dichloroethane	9.71	25229774	4.881	PPB
11) TM cis-1,2-Dichloroethene	11.93	21210297	4.597	PPB
12) tm Bromochloromethane	12.54	15117033	4.264	PPB m
13) TM Chloroform	12.87	38862258	4.888	PPB
14) tm 2,2-Dichloropropane	13.07	38153663	4.973	PPB
15) TM 1,2-Dichloroethane	15.35	28172778	4.963	PPB
16) TM 1,1,1-Trichloroethane	15.62	42877764	4.670	PPB
17) tm 1,1-Dichloropropene	16.37	31484713	4.981	PPB
18) TM Carbon Tetrachloride	16.83	52093314	4.809	PPB
19) tm Dibromomethane	18.97	13220899	4.657	PPB
20) TM 1,2-Dichloropropane	19.15	30903783	5.032	PPB
21) TM Trichloroethene	19.32	37819430	4.851	PPB
22) TM Bromodichloromethane	19.44	38299918	4.798	PPB
23) TM 2-Chloroethylvinyl ether	20.80	3712295	4.607	PPB
24) TM cis-1,3-Dichloropropene	21.07	29403856	4.923	PPB
25) TM trans-1,3-Dichloropropene	21.90f	22667411	4.937	PPB
26) TM 1,1,2-Trichloroethane	22.07	30219901	5.017	PPB
28) tm 1,3-Dichloropropane	22.45	27073590	5.183	PPB m
29) TM Dibromochloromethane	22.75	20215966	4.955	PPB

(f)=RT Delta > 1/2 Window

NP7731.D VRX1015.M

Wed Oct 16 10:26:29 1996

(m)=manual int.

RPT1

Page 1

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\NP7731.D
 Signal #2 : C:\HPCHEM\5\DATA\NP7731.D\CONFIRM.D
 Acq On : 16 Oct 96 09:44 AM
 Sample : 5ppb STD.
 Misc : GNP244,W,,,,1
 Quant Time: Oct 16 10:23 1996

Vial: 1

Operator: RMS
 Inst : GC-NP
 Multiplr: 1.00

Method : C:\HPCHEM\5\METHODS\VRX1015.M
 Title : 601/602 BY GC-PID AND GC-ELCD
 Last Update : Tue Oct 15 17:10:35 1996
 Response via : Multiple Level Calibration

Volume Inj. : 5.0 ML PURGE VOLUME
 Signal #1 Phase : (ELCD) J+W DBVRX
 Signal #1 Info :
 Signal #2 Phase: (PID) J+W DBVRX 75mX
 Signal #2 Info :

	Compound	R.T.	Response	Conc	Units
30)	tm 1,2-Dibromoethane	23.08	11906346	4.892	PPB
31)	TM Tetrachloroethene	23.34	38058306	4.811	PPB
32)	tm 1,1,1,2-Tetrachloroethane	24.09	35847832	5.023	PPB
33)	TM Chlorobenzene	24.17	16720657	4.958	PPB
34)	TM Bromoform	24.70	12403070	5.232	PPB
35)	TM 1,1,2,2-Tetrachloroethane	25.06	19415747	5.039	PPB
36)	tm 1,2,3-Trichloropropane	25.20	15990535	5.015	PPB
37)	tm Bromobenzene	25.65	10127343	4.902	PPB
38)	tm 2-Chlorotoluene	25.95	12879847	5.112	PPB
39)	tm 4-Chlorotoluene	26.03	14343113	4.986	PPB
40)	TM 1,3-Dichlorobenzene	26.67	19594587	5.038	PPB
41)	TM 1,4-Dichlorobenzene	26.73	23968002	4.872	PPB
42)	TM 1,2-Dichlorobenzene	27.05	22671557	4.879	PPB
43)	tm 1,2-Dibromomo-3-chloroprop	27.49	4950245	5.003	PPB m
44)	tm 1,2,4-Trichlorobenzene	28.92	22823561	5.003	PPB
45)	tm Hexachlorobutadiene	29.30	37630012	5.132	PPB
46)	tm 1,2,3-Trichlorobenzene	29.47	28890736	4.944	PPB
49)	tm trans-1,2-Dichloroethene	8.89	1810516	4.663	PPB
50)	tm cis-1,2-Dichloroethene	11.91	1025652	4.659	PPB
51)	tm 1,1-Dichloropropene	16.36	1167325	4.641	PPB
52)	TM Benzene	17.04	3036185	4.729	PPB
54)	tm Trichloroethene	19.30	1696342	4.644	PPB
56)	tm cis-1,3-Dichloropropene	21.05	710659	4.637	PPB
57)	TM trans-1,3-Dichloropropene	21.88f	920213	4.704	PPB
58)	TM Toluene	22.34	2919848	4.686	PPB m
59)	tm Tetrachloroethene	23.33	1332994	4.668	PPB
60)	TM Chlorobenzene	24.15	2993822	4.752	PPB
61)	TM Ethylbenzene	24.42	2605298	4.730	PPB
62)	TM m,p-Xylene	24.65	6288266	9.553	PPB
63)	tm Styrene	24.98	3146920	4.749	PPB
64)	TM o-Xylene	25.05	2591848	4.771	PPB
65)	tm Isopropylbenzene	25.43	2163821	4.716	PPB
66)	TM Bromobenzene	25.63	3023869	4.771	PPB
67)	tm n-Propylbenzene	25.87	2432884	4.791	PPB
68)	tm 2-Chlorotoluene	25.93	2840716	4.894	PPB
69)	tm 4-Chlorotoluene	26.01	2915244	4.760	PPB
70)	tm 1,3,5-Trimethylbenzene	26.16	3597367	4.738	PPB
1)	TM tert-Butylbenzene	26.40	1999705	4.735	PPB

(f)=RT Delta > 1/2 Window

NP7731.D VRX1015.M

Wed Oct 16 10:26:43 1996

(m)=manual in 54

RPT1

Page 2

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\NP7731.D
Signal #2 : C:\HPCHEM\5\DATA\NP7731.D\CONFIRM.D
Acq On : 16 Oct 96 09:44 AM
Sample : 5ppb STD.
Misc : GNP244,W,,,,1
Quant Time: Oct 16 10:23 1996

Vial: 1
Operator: RMS
Inst : GC-NP
Multiplr: 1.00

Method : C:\HPCHEM\5\METHODS\VRX1015.M
Title : 601/602 BY GC-PID AND GC-ELCD
Last Update : Tue Oct 15 17:10:35 1996
Response via : Multiple Level Calibration

Volume Inj. : 5.0 ML PURGE VOLUME
Signal #1 Phase : (ELCD) J+W DBVRX Signal #2 Phase: (PID) J+W DBVRX 75mX
Signal #1 Info : Signal #2 Info :

	Compound	R.T.	Response	Conc	Units
72)	tm 1,2,4-Trimethylbenzene	26.51	2731716	4.814	PPB
73)	tm sec-Butylbenzene	26.60	1992147	4.786	PPB
74)	TM 1,3-Dichlorobenzene	26.65	2775095	4.794	PPB
75)	TM 1,4-Dichlorobenzene	26.71	2574467	4.813	PPB
76)	tm p-Isopropyltoluene	26.78	2221209	4.797	PPB
77)	TM 1,2-Dichlorobenzene	27.03	2198930	4.834	PPB
78)	tm n-Butylbenzene	27.15	2297528	4.757	PPB
79)	tm 1,2,4-Trichlorobenzene	28.90	1625708	4.828	PPB
80)	tm Naphthalene	29.21	1760477	4.826	PPB
81)	tm Hexachlorobutadiene	29.28	1360425	4.758	PPB
82)	tm 1,2,3-Trichlorobenzene	29.46	1626599	4.869	PPB
83)	TM Methyl tert butyl ether	9.44	822037	4.741	PPB
84)	tm 2-Chloroethylvinyl ether	20.78	387666	4.262	PPB

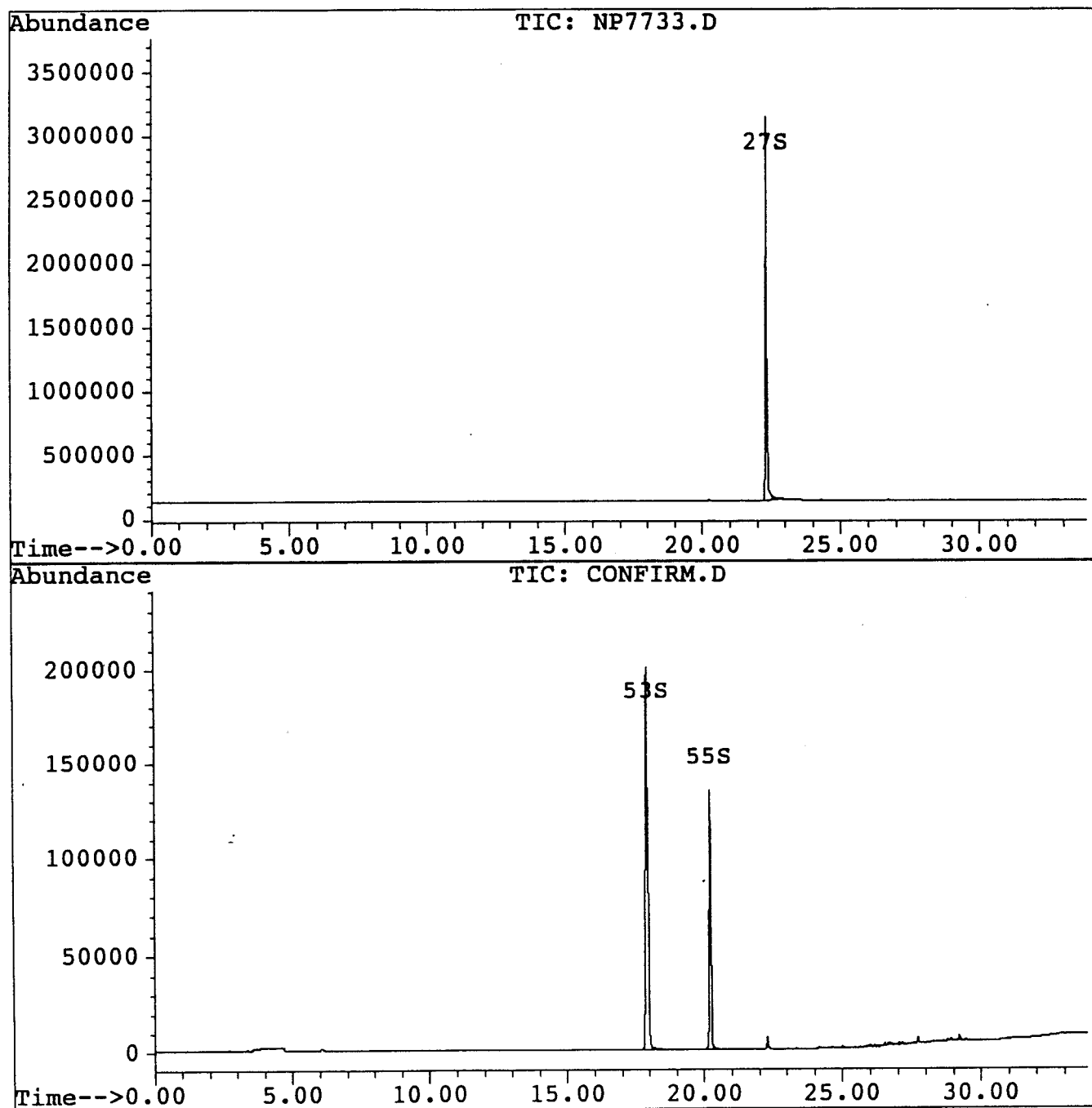
Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\NP7733.D
 Signal #2 : C:\HPCHEM\5\DATA\NP7733.D\CONFIRM.D
 Acq On : 16 Oct 96 11:25 AM
 Sample : MB2,
 Misc : GC2995,GNP244,S,,,,1
 Quant Time: Oct 16 14:36 1996

Vial: 2
 Operator: RMS
 Inst : GC-NP
 Multiplr: 1.00

Method : C:\HPCHEM\5\METHODS\VRX1015.M
 Title : 601/602 BY GC-PID AND GC-ELCD
 Last Update : Tue Oct 15 17:10:35 1996
 Response via : Multiple Level Calibration

Volume Inj. : 5.0 ML PURGE VOLUME
 Signal #1 Phase : (ELCD) J+W DBVRX Signal #2 Phase: (PID) J+W DBVRX 75mX
 Signal #1 Info : Signal #2 Info :



Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\NP7733.D
Signal #2 : C:\HPCHEM\5\DATA\NP7733.D\CONFIRM.D
Acq On : 16 Oct 96 11:25 AM
Sample : MB2,
Misc : GC2995,GNP244,S,,,,1
Quant Time: Oct 16 14:36 1996

Vial: 2

Operator: RMS
Inst : GC-NP
Multiplr: 1.00

Method : C:\HPCHEM\5\METHODS\VRX1015.M
Title : 601/602 BY GC-PID AND GC-ELCD
Last Update : Tue Oct 15 17:10:35 1996
Response via : Multiple Level Calibration

RMS
10/17/96

Volume Inj. : 5.0 ML PURGE VOLUME

Signal #1 Phase : (ELCD) J+W DBVRX Signal #2 Phase: (PID) J+W DBVRX 75mX
Signal #1 Info : Signal #2 Info :

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
27) S 2-Bromo-1-Chloropropane	22.31	104901033	29.120 PPB
		Recovery =	97.07%
53) S Fluorobenzene	17.91	12096642	29.428 PPB
		Recovery =	98.09%
55) S aaa-Trifluorotoluene #2	20.22	5896402	29.340 PPB
		Recovery =	97.80%

Target Compounds

Quantitation Report

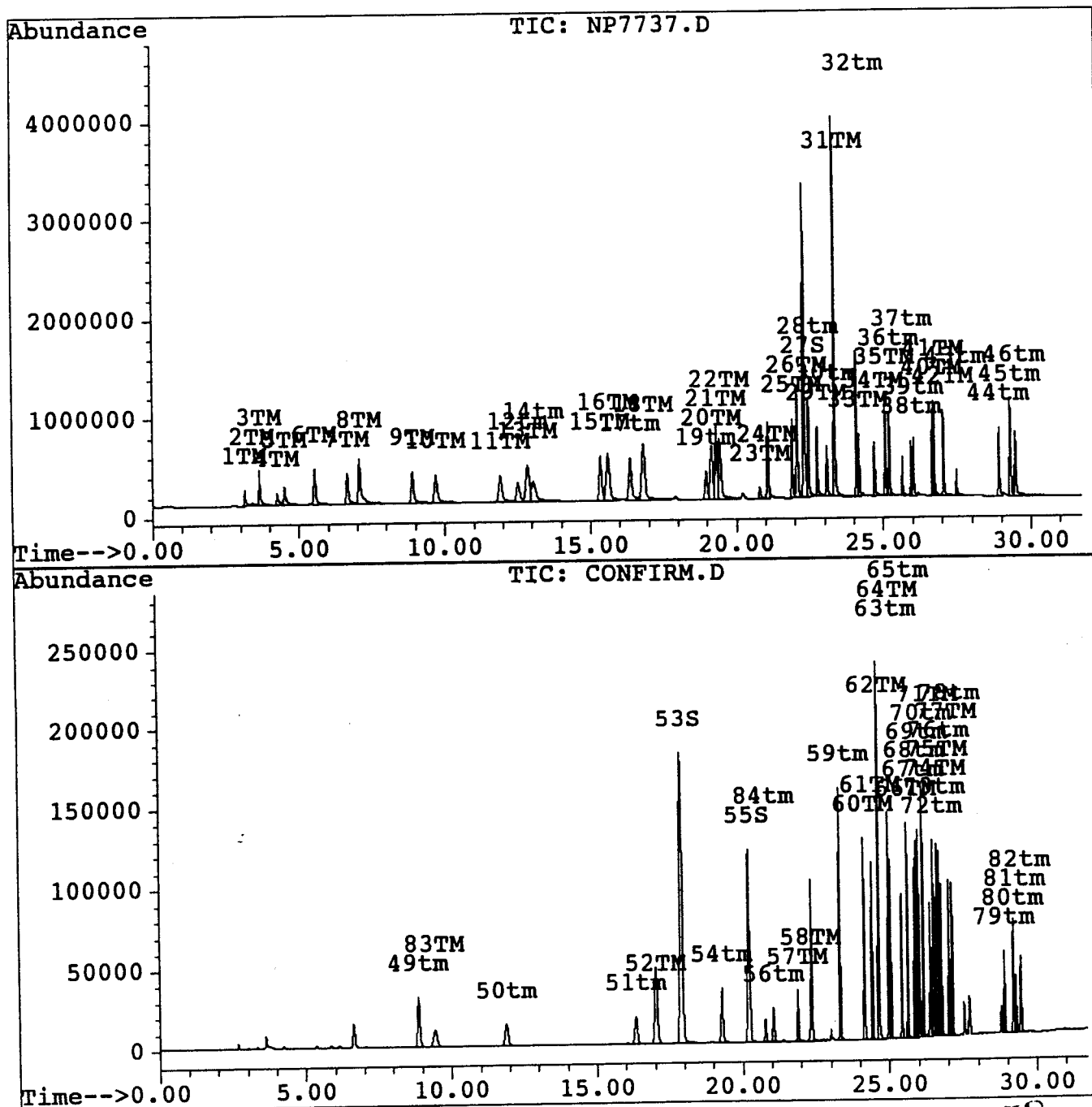
Signal #1 : C:\HPCHEM\5\DATA\NP7737.D
 Signal #2 : C:\HPCHEM\5\DATA\NP7737.D\CONFIRM.D
 Acq On : 16 Oct 96 02:37 PM
 Sample : E15139-5MS,
 Misc : GC2995,GNP244,S,,,5
 Quant Time: Oct 17 14:35 1996

Vial: 15

Operator: RMS
 Inst : GC-NP
 Multiplr: 6.19

Method : C:\HPCHEM\5\METHODS\VRX1015.M
 Title : 601/602 BY GC-PID AND GC-ELCD
 Last Update : Tue Oct 15 17:10:35 1996
 Response via : Multiple Level Calibration

Volume Inj. : 5.0 ML PURGE VOLUME
 Signal #1 Phase : (ELCD) J+W DBVRX Signal #2 Phase: (PID) J+W DBVRX 75mX
 Signal #1 Info : Signal #2 Info :



Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\NP7737.D
Signal #2 : C:\HPCHEM\5\DATA\NP7737.D\CONFIRM.D
Acq On : 16 Oct 96 02:37 PM
Sample : E15139-5MS,
Misc : GC2995,GNP244,S,,,,5
Quant Time: Oct 17 14:35 1996

Vial: 15

Operator: RMS
Inst : GC-NP
Multiplr: 6.19

Method : C:\HPCHEM\5\METHODS\VRX1015.M
Title : 601/602 BY GC-PID AND GC-ELCD
Last Update : Tue Oct 15 17:10:35 1996
Response via : Multiple Level Calibration

Volume Inj. : 5.0 ML PURGE VOLUME

Signal #1 Phase : (ELCD) J+W DBVRX Signal #2 Phase: (PID) J+W DBVRX 75mX

Signal #1 Info : Signal #2 Info :

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
27) S 2-Bromo-1-Chloropropane	22.31	106737587	29.630 PPB
	Recovery	=	98.77%
53) S Fluorobenzene	17.90	10948457	26.635 PPB
	Recovery	=	88.78%
55) S aaa-Trifluorotoluene #2	20.21	5255485	26.151 PPB
	Recovery	=	87.17%
Target Compounds			
1) TM Dichlorodifluoromethane	3.14	5439341	27.485 PPB
2) TM Chloromethane	3.40	2159535	17.872 PPB
3) TM Vinyl Chloride	3.65	12977865	30.267 PPB
4) TM Bromomethane	4.25	5914906	27.911 PPB
5) TM Chloroethane	4.51	10536074	28.869 PPB
6) TM Trichlorofluoromethane	5.53	20434721	32.778 PPB
7) TM 1,1-Dichloroethene	6.65	17229992	29.591 PPB
8) TM Methylene Chloride	7.07	33109046	36.769 PPB
9) TM trans-1,2-Dichloroethene	8.89	21968867	31.473 PPB
10) TM 1,1-Dichloroethane	9.70	27153693	32.520 PPB
11) TM cis-1,2-Dichloroethene	11.92	23930575	32.102 PPB
12) tm Bromochloromethane	12.53	16151242	28.199 PPB
13) TM Chloroform	12.86	31465853	24.499 PPB
14) tm 2,2-Dichloropropane	13.06	29186439	23.547 PPB
15) TM 1,2-Dichloroethane	15.35	28957993	31.577 PPB
16) TM 1,1,1-Trichloroethane	15.60	43687193	29.454 PPB
17) tm 1,1-Dichloropropene	16.37	32270496	31.604 PPB
18) TM Carbon Tetrachloride	16.82	52239243	29.850 PPB
19) tm Dibromomethane	18.96	15150799	33.033 PPB
20) TM 1,2-Dichloropropane	19.15	32523436	32.782 PPB
21) TM Trichloroethene	19.31	41111807	32.642 PPB
22) TM Bromodichloromethane	19.43	39859738	30.911 PPB
23) TM 2-Chloroethylvinyl ether	20.80	4459168	34.254 PPB
24) TM cis-1,3-Dichloropropene	21.07	26440282	27.402 PPB
25) TM trans-1,3-Dichloropropene	21.90f	24329738	32.801 PPB
26) TM 1,1,2-Trichloroethane	22.07	34279210	35.225 PPB
28) tm 1,3-Dichloropropane	22.46	31508953	37.342 PPB
3) TM Dibromochloromethane	22.76	22122113	33.563 PPB

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\NP7737.D
Signal #2 : C:\HPCHEM\5\DATA\NP7737.D\CONFIRM.D
Acq On : 16 Oct 96 02:37 PM
Sample : E15139-5MS,
Misc : GC2995,GNP244,S,,,,5
Quant Time: Oct 17 14:35 1996

Vial: 15

Operator: RMS
Inst : GC-NP
Multiplr: 6.19

Method : C:\HPCHEM\5\METHODS\VRX1015.M
Title : 601/602 BY GC-PID AND GC-ELCD
Last Update : Tue Oct 15 17:10:35 1996
Response via : Multiple Level Calibration

Volume Inj. : 5.0 ML PURGE VOLUME

Signal #1 Phase : (ELCD) J+W DBVRX Signal #2 Phase: (PID) J+W DBVRX 75mX
Signal #1 Info : Signal #2 Info :

	Compound	R.T.	Response	Conc Units
30)	tm 1,2-Dibromoethane	23.08	14388736	36.595 PPB
31)	TM Tetrachloroethene	23.34	104160004	81.499 PPB
32)	tm 1,1,1,2-Tetrachloroethane	24.09	36907031	32.010 PPB
33)	TM Chlorobenzene	24.17	16410386	30.118 PPB
34)	TM Bromoform	24.70	14393788	37.587 PPB
35)	TM 1,1,2,2-Tetrachloroethane	25.06	24763624	39.780 PPB
36)	tm 1,2,3-Trichloropropane	25.21	20603840	39.999 PPB
37)	tm Bromobenzene	25.65	9873227	29.580 PPB
38)	tm 2-Chlorotoluene	25.95	11980217	29.434 PPB
39)	tm 4-Chlorotoluene	26.03	13437290	28.914 PPB
40)	TM 1,3-Dichlorobenzene	26.67	17889967	28.470 PPB
41)	TM 1,4-Dichlorobenzene	26.73	22416287	28.205 PPB
42)	TM 1,2-Dichlorobenzene	27.05	21308736	28.383 PPB
43)	tm 1,2-Dibromomo-3-chloroprop	27.49	7025642	43.956 PPB m
44)	tm 1,2,4-Trichlorobenzene	28.92	19425522	26.359 PPB
45)	tm Hexachlorobutadiene	29.30	31651836	26.720 PPB
46)	tm 1,2,3-Trichlorobenzene	29.47	24671638	26.132 PPB
49)	tm trans-1,2-Dichloroethene	8.87	1716258	27.359 PPB
50)	tm cis-1,2-Dichloroethene	11.89	1014958	28.538 PPB
51)	tm 1,1-Dichloropropene	16.34	1095727	26.968 PPB
52)	TM Benzene	17.03	2928773	28.235 PPB
54)	tm Trichloroethene	19.29	1720013	29.145 PPB
56)	tm cis-1,3-Dichloropropene	21.05	669816	27.053 PPB
57)	TM trans-1,3-Dichloropropene	21.88f	896206	28.361 PPB
58)	TM Toluene	22.34	2917837	28.986 PPB
59)	tm Tetrachloroethene	23.33	3768666	81.686 PPB
60)	TM Chlorobenzene	24.15	2755168	27.068 PPB
61)	TM Ethylbenzene	24.42	2417304	27.167 PPB
62)	TM m,p-Xylene	24.65	5758243	54.146 PPB
63)	tm Styrene	24.98	2855251	26.673 PPB
64)	TM o-Xylene	25.05	2349242	26.766 PPB
65)	tm Isopropylbenzene	25.43	1956470	26.393 PPB
66)	TM Bromobenzene	25.63	2722822	26.593 PPB
67)	tm n-Propylbenzene	25.86	2143564	26.131 PPB
68)	tm 2-Chlorotoluene	25.93	2501120	26.673 PPB
69)	tm 4-Chlorotoluene	26.01	2555804	25.831 PPB
9)	tm 1,3,5-Trimethylbenzene	26.16	3190159	26.011 PPB
1)	TM tert-Butylbenzene	26.40	1964478	28.795 PPB

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\NP7737.D
Signal #2 : C:\HPCHEM\5\DATA\NP7737.D\CONFIRM.D
Acq On : 16 Oct 96 02:37 PM
Sample : E15139-5MS,
Misc : GC2995,GNP244,S,,,,5
Quant Time: Oct 17 14:35 1996

Vial: 15

Operator: RMS
Inst : GC-NP
Multiplr: 6.19

Method : C:\HPCHEM\5\METHODS\VRX1015.M
Title : 601/602 BY GC-PID AND GC-ELCD
Last Update : Tue Oct 15 17:10:35 1996
Response via : Multiple Level Calibration

Volume Inj. : 5.0 ML PURGE VOLUME

Signal #1 Phase : (ELCD) J+W DBVRX Signal #2 Phase: (PID) J+W DBVRX 75mX
Signal #1 Info : Signal #2 Info :

	Compound	R.T.	Response	Conc	Units
72)	tm 1,2,4-Trimethylbenzene	26.51	2379597	25.960	PPB
73)	tm sec-Butylbenzene	26.60	1733423	25.778	PPB
74)	TM 1,3-Dichlorobenzene	26.65	2327151	24.887	PPB
75)	TM 1,4-Dichlorobenzene	26.71	2170748	25.119	PPB
76)	tm p-Isopropyltoluene	26.78	1886728	25.223	PPB
77)	TM 1,2-Dichlorobenzene	27.03	1881457	25.601	PPB
78)	tm n-Butylbenzene	27.14	1961443	25.136	PPB
79)	tm 1,2,4-Trichlorobenzene	28.90	1308331	24.052	PPB
80)	tm Naphthalene	29.20	1818536	30.856	PPB
81)	tm Hexachlorobutadiene	29.28	1079581	23.372	PPB
82)	tm 1,2,3-Trichlorobenzene	29.45	1343502	24.893	PPB
83)	TM Methyl tert butyl ether	9.44	915506	32.682	PPB
84)	tm 2-Chloroethylvinyl ether	20.78	459211	31.249	PPB

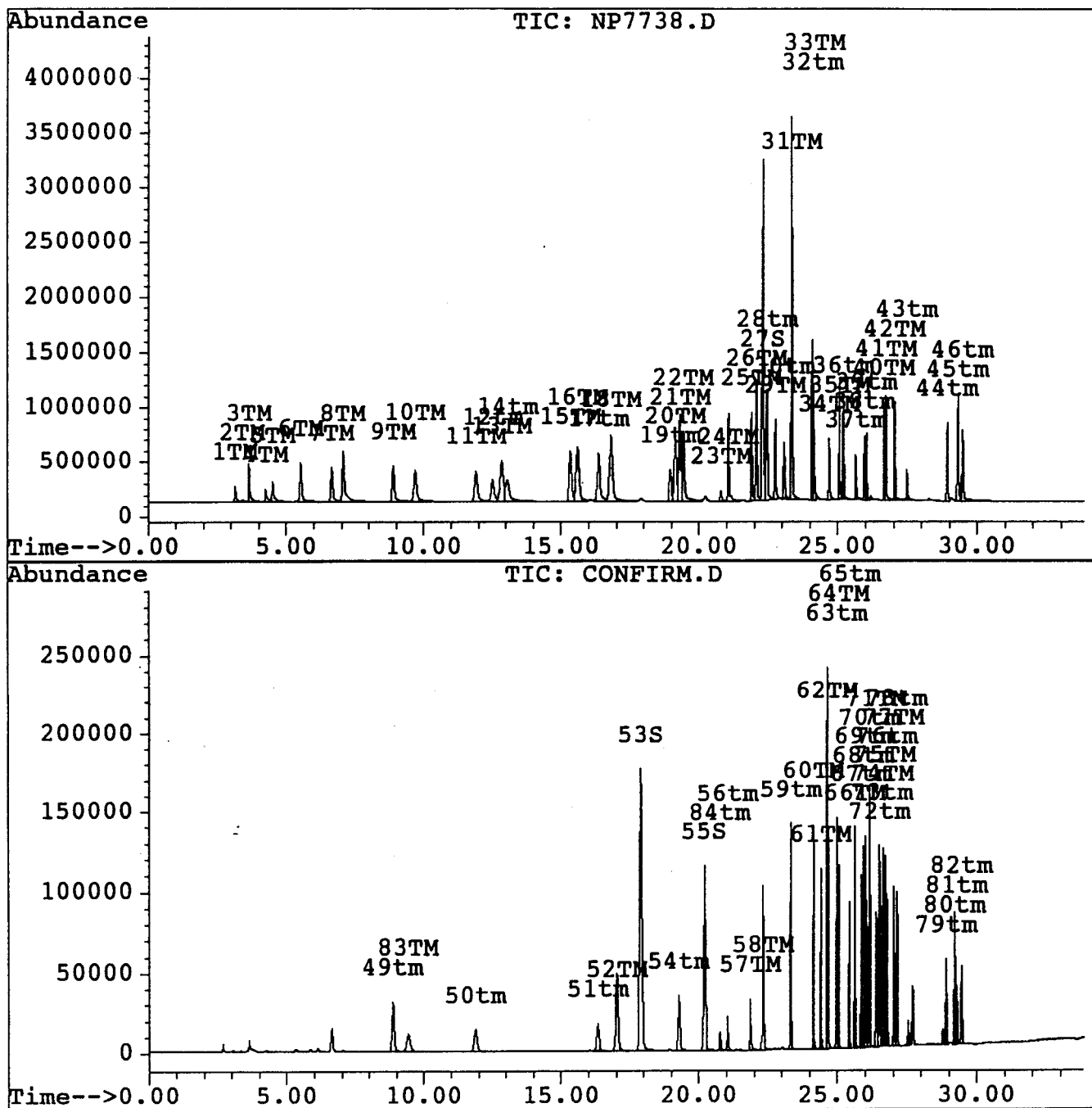
Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\NP7738.D
Signal #2 : C:\HPCHEM\5\DATA\NP7738.D\CONFIRM.D
Acq On : 16 Oct 96 03:26 PM
Sample : E15139-5MSD,
Misc : GC2995,GNP244,S,,,,5
Quant Time: Oct 17 14:36 1996

Vial: 16
Operator: RMS
Inst : GC-NP
Multiplr: 6.19

Method : C:\HPCHEM\5\METHODS\VRX1015.M
Title : 601/602 BY GC-PID AND GC-ELCD
Last Update : Tue Oct 15 17:10:35 1996
Response via : Multiple Level Calibration

Volume Inj. : 5.0 ML PURGE VOLUME
Signal #1 Phase : (ELCD) J+W DBVRX Signal #2 Phase: (PID) J+W DBVRX 75mX
Signal #1 Info : Signal #2 Info :



Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\NP7738.D
Signal #2 : C:\HPCHEM\5\DATA\NP7738.D\CONFIRM.D
Acq On : 16 Oct 96 03:26 PM
Sample : E15139-5MSD,
Misc : GC2995,GNP244,S,,,5
Quant Time: Oct 17 14:36 1996

Vial: 16
Operator: RMS
Inst : GC-NP
Multiplr: 6.19

Method : C:\HPCHEM\5\METHODS\VRX1015.M
Title : 601/602 BY GC-PID AND GC-ELCD
Last Update : Tue Oct 15 17:10:35 1996
Response via : Multiple Level Calibration

Volume Inj. : 5.0 ML PURGE VOLUME
Signal #1 Phase : (ELCD) J+W DBVRX Signal #2 Phase: (PID) J+W DBVRX 75mX
Signal #1 Info : Signal #2 Info :

Compound		R.T.	Response	Conc Units

System Monitoring Compounds				
27) S	2-Bromo-1-Chloropropane	22.31	105469394	29.278 PPB
			Recovery =	97.59%
53) S	Fluorobenzene	17.90	10635454	25.873 PPB
			Recovery =	86.24%
55) S	aaa-Trifluorotoluene #2	20.21	5042927	25.094 PPB
			Recovery =	83.65%
Target Compounds				
1) TM	Dichlorodifluoromethane	3.14	5475130	27.666 PPB
2) TM	Chloromethane	3.40	2271291	18.797 PPB
3) TM	Vinyl Chloride	3.64	13308009	31.037 PPB
4) TM	Bromomethane	4.25	6022000	28.416 PPB
5) TM	Chloroethane	4.50	10562404	28.941 PPB
6) TM	Trichlorofluoromethane	5.52	20406450	32.733 PPB
7) TM	1,1-Dichloroethene	6.64	17717628	30.429 PPB
8) TM	Methylene Chloride	7.06	33788740	37.524 PPB
9) TM	trans-1,2-Dichloroethene	8.88	22435351	32.141 PPB
10) TM	1,1-Dichloroethane	9.69	27845185	33.348 PPB
11) TM	cis-1,2-Dichloroethene	11.91	24811484	33.283 PPB
12) tm	Bromochloromethane	12.52	16672220	29.108 PPB
13) TM	Chloroform	12.85	32537788	25.334 PPB
14) tm	2,2-Dichloropropane	13.05	29108924	23.485 PPB
15) TM	1,2-Dichloroethane	15.34	29917344	32.623 PPB
16) TM	1,1,1-Trichloroethane	15.60	44711844	30.145 PPB
17) tm	1,1-Dichloropropene	16.36	33602246	32.908 PPB
18) TM	Carbon Tetrachloride	16.81	54643297	31.223 PPB
19) tm	Dibromomethane	18.96	15554215	33.913 PPB
20) TM	1,2-Dichloropropane	19.15	32834037	33.096 PPB
21) TM	Trichloroethene	19.31	42220786	33.522 PPB
22) TM	Bromodichloromethane	19.43	41279698	32.012 PPB
23) TM	2-Chloroethylvinyl ether	20.79	3884850	29.842 PPB
24) TM	cis-1,3-Dichloropropene	21.07	30405056	31.511 PPB
25) TM	trans-1,3-Dichloropropene	21.89f	24174809	32.592 PPB
26) TM	1,1,2-Trichloroethane	22.07	35136540	36.106 PPB
27) tm	1,3-Dichloropropane	22.45	32381894	38.377 PPB
28) TM	Dibromochloromethane	22.75	22601872	34.291 PPB

(f)=RT Delta > 1/2 Window

NP7738.D VRX1015.M

Thu Oct 17 14:41:33 1996

(m)=manual int.

RPT1

Page 1

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\NP7738.D
Signal #2 : C:\HPCHEM\5\DATA\NP7738.D\CONFIRM.D
Acq On : 16 Oct 96 03:26 PM
Sample : E15139-5MSD,
Misc : GC2995,GNP244,S,,,,5
Quant Time: Oct 17 14:36 1996

Vial: 16
Operator: RMS
Inst : GC-NP
Multiplr: 6.19

Method : C:\HPCHEM\5\METHODS\VRX1015.M
Title : 601/602 BY GC-PID AND GC-ELCD
Last Update : Tue Oct 15 17:10:35 1996
Response via : Multiple Level Calibration

Volume Inj. : 5.0 ML PURGE VOLUME
Signal #1 Phase : (ELCD) J+W DBVRX Signal #2 Phase: (PID) J+W DBVRX 75mX
Signal #1 Info : Signal #2 Info :

	Compound	R.T.	Response	Conc Units
30)	tm 1,2-Dibromoethane	23.08	14718499	37.434 PPB
31)	TM Tetrachloroethene	23.34	93587006	73.226 PPB
32)	tm 1,1,1,2-Tetrachloroethane	24.09	37382852	32.423 PPB
33)	TM Chlorobenzene	24.17	16762453	30.764 PPB
34)	TM Bromoform	24.69	14656753	38.274 PPB
35)	TM 1,1,2,2-Tetrachloroethane	25.06	26068150	41.876 PPB
36)	tm 1,2,3-Trichloropropane	25.21	21836107	42.391 PPB
37)	tm Bromobenzene	25.65	10119911	30.319 PPB
38)	tm 2-Chlorotoluene	25.95	12427198	30.532 PPB
39)	tm 4-Chlorotoluene	26.03	13897365	29.903 PPB
40)	TM 1,3-Dichlorobenzene	26.67	18406410	29.291 PPB
41)	TM 1,4-Dichlorobenzene	26.73	22500337	28.311 PPB
42)	TM 1,2-Dichlorobenzene	27.05	21753339	28.975 PPB
43)	tm 1,2-Dibromomo-3-chloroprop	27.48	7642701	47.816 PPB m
44)	tm 1,2,4-Trichlorobenzene	28.92	20047306	27.203 PPB
45)	tm Hexachlorobutadiene	29.30	30886777	26.074 PPB
46)	tm 1,2,3-Trichlorobenzene	29.47	24990311	26.470 PPB
49)	tm trans-1,2-Dichloroethene	8.86	1736379	27.679 PPB
50)	tm cis-1,2-Dichloroethene	11.88	1022650	28.755 PPB
51)	tm 1,1-Dichloropropene	16.34	1112143	27.372 PPB
52)	TM Benzene	17.03	2974730	28.678 PPB
54)	tm Trichloroethene	19.29	1747685	29.614 PPB
56)	tm cis-1,3-Dichloropropene	21.05	672122	27.146 PPB
57)	TM trans-1,3-Dichloropropene	21.87	905850	28.666 PPB
58)	TM Toluene	22.34	2961556	29.421 PPB
59)	tm Tetrachloroethene	23.32	3377701	73.212 PPB
60)	TM Chlorobenzene	24.15	2810810	27.615 PPB
61)	TM Ethylbenzene	24.42	2456040	27.602 PPB
62)	TM m,p-Xylene	24.65	5861386	55.116 PPB
63)	tm Styrene	24.98	2906063	27.148 PPB
64)	TM o-Xylene	25.05	2397788	27.320 PPB
65)	tm Isopropylbenzene	25.43	1987543	26.812 PPB
66)	TM Bromobenzene	25.63	2784249	27.193 PPB
67)	tm n-Propylbenzene	25.86	2175747	26.523 PPB
68)	tm 2-Chlorotoluene	25.93	2532669	27.010 PPB
69)	tm 4-Chlorotoluene	26.01	2604364	26.321 PPB
70)	tm 1,3,5-Trimethylbenzene	26.16	3232685	26.357 PPB
1)	TM tert-Butylbenzene	26.40	1983026	29.067 PPB

(f)=RT Delta > 1/2 Window

NP7738.D VRX1015.M

Thu Oct 17 14:41:48 1996

(m)=manual int.

RPT1

Page 2

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\NP7738.D
Signal #2 : C:\HPCHEM\5\DATA\NP7738.D\CONFIRM.D
Acq On : 16 Oct 96 03:26 PM
Sample : E15139-5MSD,
Misc : GC2995,GNP244,S,,,,5
Quant Time: Oct 17 14:36 1996

Vial: 16
Operator: RMS
Inst : GC-NP
Multiplr: 6.19

Method : C:\HPCHEM\5\METHODS\VRX1015.M
Title : 601/602 BY GC-PID AND GC-ELCD
Last Update : Tue Oct 15 17:10:35 1996
Response via : Multiple Level Calibration

Volume Inj. : 5.0 ML PURGE VOLUME

Signal #1 Phase : (ELCD) J+W DBVRX Signal #2 Phase: (PID) J+W DBVRX 75mX
Signal #1 Info : Signal #2 Info :

	Compound	R.T.	Response	Conc	Units
72)	tm 1,2,4-Trimethylbenzene	26.51	2426074	26.467	PPB
73)	tm sec-Butylbenzene	26.60	1755214	26.102	PPB
74)	TM 1,3-Dichlorobenzene	26.65	2384121	25.496	PPB
75)	TM 1,4-Dichlorobenzene	26.71	2227342	25.773	PPB
76)	tm p-Isopropyltoluene	26.78	1909528	25.528	PPB
77)	TM 1,2-Dichlorobenzene	27.03	1928418	26.240	PPB
78)	tm n-Butylbenzene	27.14	1965807	25.192	PPB
79)	tm 1,2,4-Trichlorobenzene	28.90	1386661	25.492	PPB
80)	tm Naphthalene	29.20	2122208	36.009	PPB
81)	tm Hexachlorobutadiene	29.28	1096677	23.742	PPB
82)	tm 1,2,3-Trichlorobenzene	29.45	1351973	25.050	PPB
83)	TM Methyl tert butyl ether	9.43	944813	33.729	PPB
84)	tm 2-Chloroethylvinyl ether	20.77	388808	26.458	PPB

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\NP7739.D
 Signal #2 : C:\HPCHEM\5\DATA\NP7739.D\CONFIRM.D
 Acq On : 16 Oct 96 04:13 PM
 Sample : BS,
 Misc : GC2995,GNP244,W,,,1
 Quant Time: Oct 17 14:37 1996

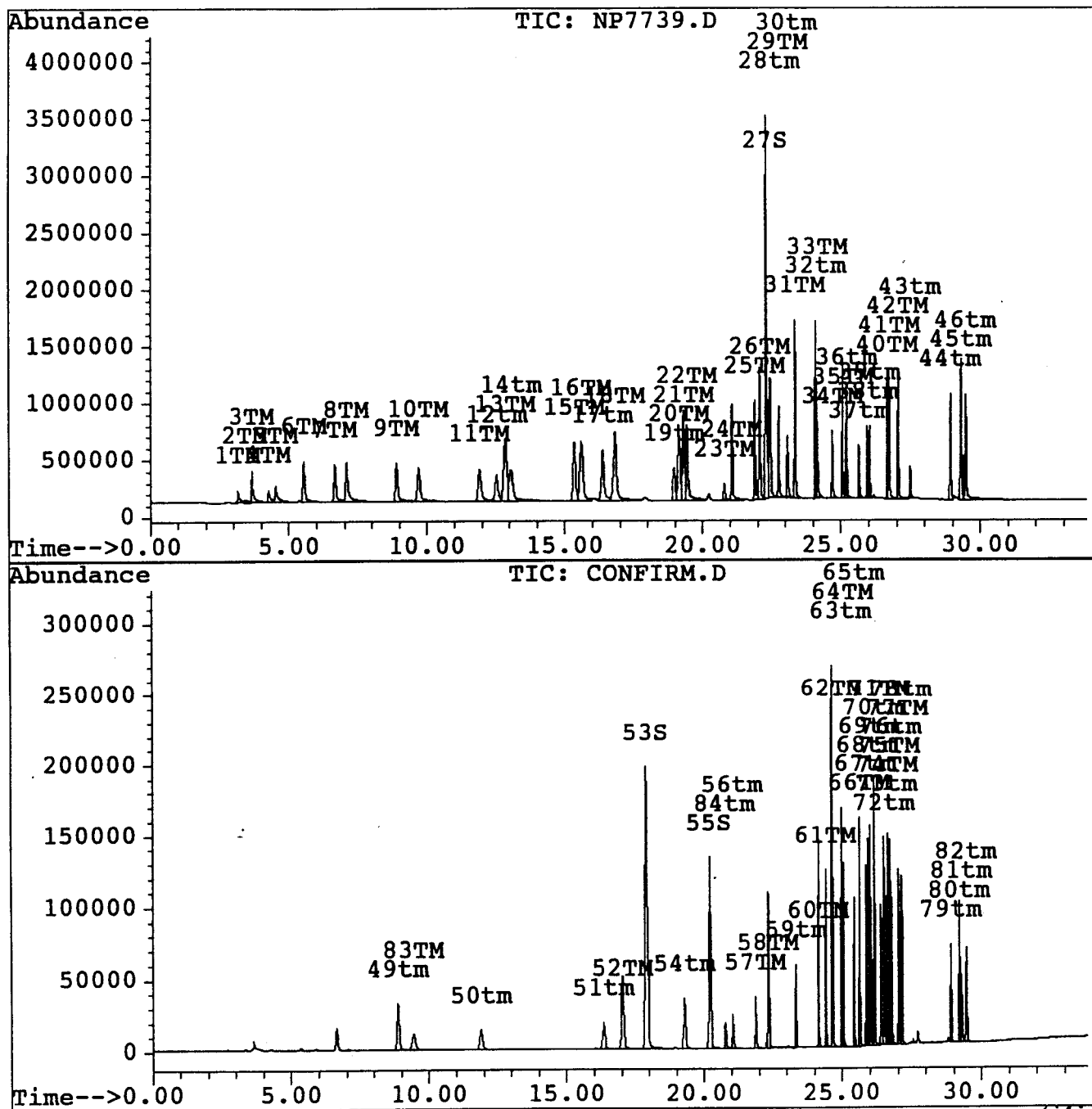
Vial: 1

Operator: RMS
 Inst : GC-NP
 Multiplr: 1.00

Method : C:\HPCHEM\5\METHODS\VRX1015.M
 Title : 601/602 BY GC-PID AND GC-ELCD
 Last Update : Tue Oct 15 17:10:35 1996
 Response via : Multiple Level Calibration

Volume Inj. : 5.0 ML PURGE VOLUME

Signal #1 Phase : (ELCD) J+W DBVRX Signal #2 Phase: (PID) J+W DBVRX 75mX
 Signal #1 Info : Signal #2 Info :



Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\NP7739.D
Signal #2 : C:\HPCHEM\5\DATA\NP7739.D\CONFIRM.D
Acq On : 16 Oct 96 04:13 PM
Sample : BS,
Misc : GC2995,GNP244,W,,,,1
Quant Time: Oct 17 14:37 1996

Vial: 1
Operator: RMS
Inst : GC-NP
Multiplr: 1.00

Method : C:\HPCHEM\5\METHODS\VRX1015.M
Title : 601/602 BY GC-PID AND GC-ELCD
Last Update : Tue Oct 15 17:10:35 1996
Response via : Multiple Level Calibration

Volume Inj. : 5.0 ML PURGE VOLUME
Signal #1 Phase : (ELCD) J+W DBVRX Signal #2 Phase: (PID) J+W DBVRX 75mX
Signal #1 Info : Signal #2 Info :

Compound		R.T.	Response	Conc Units

System Monitoring Compounds				
27) S	2-Bromo-1-Chloropropane	22.30	114164609	31.692 PPB
			Recovery =	105.64%
53) S	Fluorobenzene	17.90	11904122	28.959 PPB
			Recovery =	96.53%
55) S	aaa-Trifluorotoluene #2	20.21	5814237	28.932 PPB
			Recovery =	96.44%
Target Compounds				
1) TM	Dichlorodifluoromethane	3.15	5271654	4.303 PPB
2) TM	Chloromethane	3.40	2957175	3.954 PPB m
3) TM	Vinyl Chloride	3.65	12923893	4.869 PPB
4) TM	Bromomethane	4.26	5967340	4.549 PPB
5) TM	Chloroethane	4.52	10319378	4.568 PPB
6) TM	Trichlorofluoromethane	5.53	20397164	5.286 PPB
7) TM	1,1-Dichloroethene	6.65	18207784	5.052 PPB
8) TM	Methylene Chloride	7.07	26895688	4.825 PPB
9) TM	trans-1,2-Dichloroethene	8.89	22899105	5.300 PPB
10) TM	1,1-Dichloroethane	9.70	28265264	5.469 PPB
11) TM	cis-1,2-Dichloroethene	11.91	24969160	5.411 PPB
12) tm	Bromochloromethane	12.54	18821780	5.309 PPB
13) TM	Chloroform	12.85	45639363	5.741 PPB
14) tm	2,2-Dichloropropane	13.06	35312168	4.603 PPB
15) TM	1,2-Dichloroethane	15.34	32991913	5.812 PPB
16) TM	1,1,1-Trichloroethane	15.60	46578211	5.073 PPB
17) tm	1,1-Dichloropropene	16.36	33642841	5.323 PPB
18) TM	Carbon Tetrachloride	16.82	55019180	5.079 PPB
19) tm	Dibromomethane	18.96	15629362	5.505 PPB
20) TM	1,2-Dichloropropane	19.15	33830486	5.509 PPB
21) TM	Trichloroethene	19.31	41795025	5.361 PPB
22) TM	Bromodichloromethane	19.43	42352563	5.306 PPB
23) TM	2-Chloroethylvinyl ether	20.79	5686066	7.056 PPB
24) TM	cis-1,3-Dichloropropene	21.07	31393057	5.256 PPB
25) TM	trans-1,3-Dichloropropene	21.89f	26210101	5.709 PPB
26) TM	1,1,2-Trichloroethane	22.07	37037851	6.149 PPB
28) tm	1,3-Dichloropropane	22.45	32185485	6.162 PPB m
29) TM	Dibromochloromethane	22.75	23718704	5.813 PPB m

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\NP7739.D
 Signal #2 : C:\HPCHEM\5\DATA\NP7739.D\CONFIRM.D
 Acq On : 16 Oct 96 04:13 PM
 Sample : BS,
 Misc : GC2995,GNP244,W,,,1
 Quant Time: Oct 17 14:37 1996

Vial: 1
 Operator: RMS
 Inst : GC-NP
 Multiplr: 1.00

Method : C:\HPCHEM\5\METHODS\VRX1015.M
 Title : 601/602 BY GC-PID AND GC-ELCD
 Last Update : Tue Oct 15 17:10:35 1996
 Response via : Multiple Level Calibration

Volume Inj. : 5.0 ML PURGE VOLUME

Signal #1 Phase : (ELCD) J+W DBVRX Signal #2 Phase: (PID) J+W DBVRX 75mX
 Signal #1 Info : Signal #2 Info :

	Compound	R.T.	Response	Conc	Units
30)	tm 1,2-Dibromoethane	23.08	15687598	6.446	PPB m
31)	TM Tetrachloroethene	23.34	41996824	5.309	PPB
32)	tm 1,1,1,2-Tetrachloroethane	24.09	39622902	5.552	PPB
33)	TM Chlorobenzene	24.17	18051563	5.352	PPB
34)	TM Bromoform	24.69	15984497	6.743	PPB
35)	TM 1,1,2,2-Tetrachloroethane	25.06	27440415	7.121	PPB
36)	tm 1,2,3-Trichloropropane	25.20	23015788	7.218	PPB
37)	tm Bromobenzene	25.65	11871754	5.746	PPB
38)	tm 2-Chlorotoluene	25.95	13770052	5.465	PPB
39)	tm 4-Chlorotoluene	26.03	15347293	5.335	PPB
40)	TM 1,3-Dichlorobenzene	26.67	21601675	5.554	PPB
41)	TM 1,4-Dichlorobenzene	26.73	26544687	5.396	PPB
42)	TM 1,2-Dichlorobenzene	27.05	25474549	5.482	PPB
43)	tm 1,2-Dibromomo-3-chloroprop	27.48	7045898	7.122	PPB m
44)	tm 1,2,4-Trichlorobenzene	28.92	25579600	5.607	PPB
45)	tm Hexachlorobutadiene	29.30	40043611	5.461	PPB
46)	tm 1,2,3-Trichlorobenzene	29.47	33104993	5.665	PPB
49)	tm trans-1,2-Dichloroethene	8.87	1792268	4.616	PPB
50)	tm cis-1,2-Dichloroethene	11.89	1047037	4.756	PPB
51)	tm 1,1-Dichloropropene	16.34	1187823	4.723	PPB
52)	TM Benzene	17.03	3090902	4.814	PPB
54)	tm Trichloroethene	19.29	1759084	4.815	PPB
56)	tm cis-1,3-Dichloropropene	21.05	741253	4.836	PPB
57)	TM trans-1,3-Dichloropropene	21.87	1001527	5.120	PPB
58)	TM Toluene	22.34	3059654	4.910	PPB m
59)	tm Tetrachloroethene	23.32	1392711	4.877	PPB
60)	TM Chlorobenzene	24.15	3123502	4.958	PPB
61)	TM Ethylbenzene	24.42	2704441	4.910	PPB
62)	TM m,p-Xylene	24.64	6492357	9.863	PPB
63)	tm Styrene	24.98	3305825	4.989	PPB
64)	TM o-Xylene	25.05	2688302	4.948	PPB
65)	tm Isopropylbenzene	25.43	2249860	4.903	PPB
66)	TM Bromobenzene	25.63	3221172	5.082	PPB
67)	tm n-Propylbenzene	25.86	2518189	4.959	PPB
68)	tm 2-Chlorotoluene	25.93	2923146	5.036	PPB
69)	tm 4-Chlorotoluene	26.01	3033416	4.953	PPB
70)	tm 1,3,5-Trimethylbenzene	26.16	3743912	4.931	PPB
1)	TM tert-Butylbenzene	26.40	2124374	5.030	PPB

(f)=RT Delta > 1/2 Window

NP7739.D VRX1015.M

Thu Oct 17 14:43:33 1996

(m)=manual int

RPT1

Page 2

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\NP7739.D
Signal #2 : C:\HPCHEM\5\DATA\NP7739.D\CONFIRM.D
Acq On : 16 Oct 96 04:13 PM
Sample : BS,
Misc : GC2995,GNP244,W,,,,1
Quant Time: Oct 17 14:37 1996

Vial: 1
Operator: RMS
Inst : GC-NP
Multiplr: 1.00

Method : C:\HPCHEM\5\METHODS\VRX1015.M
Title : 601/602 BY GC-PID AND GC-ELCD
Last Update : Tue Oct 15 17:10:35 1996
Response via : Multiple Level Calibration

Volume Inj. : 5.0 ML PURGE VOLUME
Signal #1 Phase : (ELCD) J+W DBVRX Signal #2 Phase: (PID) J+W DBVRX 75mX
Signal #1 Info : Signal #2 Info :

	Compound	R.T.	Response	Conc Units
72)	tm 1,2,4-Trimethylbenzene	26.51	2826635	4.982 PPB
73)	tm sec-Butylbenzene	26.60	2084016	5.007 PPB
74)	TM 1,3-Dichlorobenzene	26.65	2860184	4.941 PPB
75)	TM 1,4-Dichlorobenzene	26.71	2685102	5.019 PPB
76)	tm p-Isopropyltoluene	26.78	2277903	4.920 PPB
77)	TM 1,2-Dichlorobenzene	27.03	2338695	5.141 PPB
78)	tm n-Butylbenzene	27.14	2369318	4.905 PPB
79)	tm 1,2,4-Trichlorobenzene	28.90	1728023	5.132 PPB
80)	tm Naphthalene	29.20	2513664	6.890 PPB
81)	tm Hexachlorobutadiene	29.28	1400972	4.900 PPB
82)	tm 1,2,3-Trichlorobenzene	29.45	1812281	5.425 PPB
83)	TM Methyl tert butyl ether	9.43	979808	5.651 PPB
84)	tm 2-Chloroethylvinyl ether	20.77	574244	6.313 PPB

Date: 10/16/96

VOLATILE ORGANICS BY GC/MS ANALYSIS LOG

Batch ID: GNP244/GNP245

Standards Data

Lot #	Description	Conc.
GLV 258	9021 Suck	30 ppm
GLV 257	Gases	10 ppm
GLV 259	Mix	10 ppm

Daily Saved File

Tune file 1: _____
 Tune file 2: _____
 Initial Cal: _____
 ID file: _____
 Tape ID: _____

Method: VRX1015.M
 Seq. file: OCT16.S

Analyst: RMS

Team Leader: _____

Data File	Sample ID	Test	ALS #	MTX	Samp Amt.	% Sol	Dil Fact.	L +	IS	SU	Status (Data)	Comments	Int.
NP7731	Sppb Sto.		1		5		1			✓	OK		
NP7732	MB1		2	S	5		1			✓	OK		
NP7733	MB2		2		5		1			✓	OK		
NP7734	E15139-1	VSCHESTO	12		.010	83.9	545.9			✓	OK	100µm MeOH → 5ml H ₂ O	
NP7735	E15139-5		13		1.0	80.8	6.19			✓	OK	MS K0683	
NP7736	E15225-1	↓	14		.050	86.3	115.9			✓	OK		
NP7737	E15139-5	MS	15		1.0	80.8	6.19			✓	OK	MS K0687	
NP7738	E15139-5	MSD	16		1.0	80.8	6.19			✓	OK		
NP7739	BS		1	✓	5		1			✓	OK		
NP7740	Sppb Sto.		1	W	5		1					CHECK 200 µm DID NOT PASS RE-RUN SAMPLES	
NP7741	MB1		2		5		1						
NP7742	MB1		3		5		1						
NP7743	E15251-1	VSCHESTO	4		5		1						
NP7744	E15251-2		5		5		1						
NP7745	E15251-3		6		5		1						
NP7746	E15251-4		7		5		1						
NP7747	E15296-1		8		5		1						
NP7748	E15296-2		9		5		1						
NP7749	E15296-3		10		.5		10						
NP7750	E15296-4		11		5		1						
NP7751	E15296-5	↓	12		5		1						
NP7752	CLEAN		13		5		1						
NP7753	E15296-1	MS	14		5		1						
NP7754	E15296-1	MSD	15		5		1						
NP7755	BS		16	✓	5		1						

NTC = Matrix : Designate W for water, S for soil, O for oil.

IS = Internal standard



Technical Report for

Malcolm Pirnie

Former Mobil Oil Hangar D, Westchester County Airport

1030065100

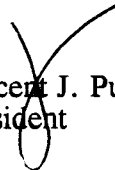
Accutest Job Number: E15565

Report to:

Malcolm Pirnie
One International Blvd.
Mahwah, NJ 07495

ATTN: Chuck Trione

Total number of pages in report: 95


Vincent J. Pugliese
President

New Jersey Certification No. 12129

Results relate only to the items tested.

This report shall not be reproduced, except in its entirety, without the written approval of Accutest Laboratories.

Sample Summary

Malcolm Pirnie

Date: 11/13/96
Job No: E15565

Former Mobil Oil Hangar D, Westchester County Airport
Project No: 1030065100

Sample Number	Collected Date	Time	By	Received	Matrix Code Type	Client Sample ID
E15565-1	10/23/96	15:00	JI	10/24/96	AQ Ground Water	MW-1
E15565-2	10/23/96	15:20	JI	10/24/96	AQ Ground Water	MW-2
E15565-3	10/23/96	12:40	JI	10/24/96	AQ Ground Water	MW-3
E15565-4	10/23/96	12:15	JI	10/24/96	AQ Ground Water	MW-4
E15565-5	10/21/96	15:00	TE	10/24/96	AQ Trip Blank Water	TRIP BLANK

Laboratory Deliverables

- | | |
|--|-------|
| 1. Cover Page, Title Page Listing Certification #, Facility Name and Address, and Date of Report. | [X] |
| 2. Table of Contents. | [X] |
| 3. Summary Sheets listing analytical results for all targeted and non-targeted compounds. | [X] |
| 4. Summary Table cross-referencing field ID #'s vs. lab ID #'s. | [X] |
| 5. Document bound, paginated and legible. | [X] |
| 6. Chain of Custody. | [X] |
| 7. Methodology Summary | [X] |
| 8. Laboratory Chronicle and Holding Time Check. | [X] |
| 9. Results submitted on a dry weight basis (if applicable) | [X] |
| 10. Method Detection Limits. | [X] |
| 11. Lab certified by NJDEPE for parameters or appropriate category of parameters or a member of the USEPA CLP. | [X] |
| 12. Non-Conformance Summary. | [X] |

Marion Kusche
QC Reviewer

November 14, 96
Date

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For
Non-USEPA/CLP Methods

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ii. Matrix Spike/Matrix Spike Duplicate Summary - [VOA/SV]	
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- Mass Spectra of Target Compounds	
- Library Search for non-Target Compounds	
iii. Matrix Spike/Matrix Spike Duplicate Data	
- Reconstructed Total Ion Chromatogram (RIC) and Quant Report	
iv. Blank Spike Data	
- Reconstructed Total Ion Chromatogram (RIC) and Quant Report	
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ii. Extraction Log	
iii. GPC Chromatograms (if GPC performed)	

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For
Non-USEPA/CLP Methods

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i. Instrument Run Log	
ii. Extraction Log	
iii. GPC Chromatograms (if GPC performed)	

Report of Analysis

Page 1 of 1

Client Sample ID: MW-1		Date Sampled: 10/23/96
Lab Sample ID: E15565-1		Date Received: 10/24/96
Matrix: AQ - Ground Water		Percent Solids: n/a
Method: EPA 601/602		
Project: Former Mobil Oil Hangar D, Westchester County Airport		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	NP7874.D	25	10/24/96	RMS	n/a	n/a	GNP248
Run #2							

VOA Halogenated List

CAS No.	Compound	Result	RDL	Units	Q
75-25-2	Bromoform	ND	5.0	ug/l	
75-27-4	Bromodichloromethane	ND	5.0	ug/l	
74-83-9	Bromomethane	ND	5.0	ug/l	
56-23-5	Carbon tetrachloride	ND	5.0	ug/l	
108-90-7	Chlorobenzene	ND	5.0	ug/l	
75-00-3	Chloroethane	ND	5.0	ug/l	
67-66-3	Chloroform	ND	5.0	ug/l	
74-87-3	Chloromethane	ND	5.0	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	5.0	ug/l	
124-48-1	Dibromochloromethane	ND	5.0	ug/l	
75-71-8	Dichlorodifluoromethane	ND	5.0	ug/l	
75-34-3	1,1-Dichloroethane	220	5.0	ug/l	
107-06-2	1,2-Dichloroethane	ND	5.0	ug/l	
75-35-4	1,1-Dichloroethene	23.0	5.0	ug/l	
156-60-5	trans-1,2-Dichloroethene	29.2	5.0	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	5.0	ug/l	
78-87-5	1,2-Dichloropropane	ND	5.0	ug/l	
75-09-2	Methylene chloride	ND	5.0	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.0	ug/l	
127-18-4	Tetrachloroethene	135	5.0	ug/l	
71-55-6	1,1,1-Trichloroethane	30.9	5.0	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	5.0	ug/l	
79-01-6	Trichloroethene	35.9	5.0	ug/l	
75-69-4	Trichlorofluoromethane	ND	5.0	ug/l	
75-01-4	Vinyl chloride	12.9	5.0	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	5.0	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	5.0	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	5.0	ug/l	
156-69-4	cis-1,2-Dichloroethene	444	5.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
98-08-8	aaa-Trifluorotoluene	88%		75-125 %
462-06-6	Fluorobenzene	93%		75-125 %
3017-95-6	2-Bromo-1-chloropropane	95%		75-125 %

5

ND = Not detected

RDL = Reported Detection Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates that analyte is found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 1

Client Sample ID: MW-2		
Lab Sample ID: E15565-2	Date Sampled: 10/23/96	
Matrix: AQ - Ground Water	Date Received: 10/24/96	
Method: EPA 601/602	Percent Solids: n/a	
Project: Former Mobil Oil Hangar D, Westchester County Airport		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	NP7873.D	50	10/24/96	RMS	n/a	n/a	GNP248
Run #2							

VOA Halogenated List

CAS No.	Compound	Result	RDL	Units	Q
75-25-2	Bromoform	ND	10	ug/l	
75-27-4	Bromodichloromethane	ND	10	ug/l	
74-83-9	Bromomethane	ND	10	ug/l	
56-23-5	Carbon tetrachloride	ND	10	ug/l	
108-90-7	Chlorobenzene	ND	10	ug/l	
75-00-3	Chloroethane	895	10	ug/l	
67-66-3	Chloroform	ND	10	ug/l	
74-87-3	Chloromethane	ND	10	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	10	ug/l	
124-48-1	Dibromochloromethane	ND	10	ug/l	
75-71-8	Dichlorodifluoromethane	ND	10	ug/l	
75-34-3	1,1-Dichloroethane	1980	10	ug/l	
107-06-2	1,2-Dichloroethane	ND	10	ug/l	
75-35-4	1,1-Dichloroethene	89.3	10	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	10	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	10	ug/l	
78-87-5	1,2-Dichloropropane	ND	10	ug/l	
75-09-2	Methylene chloride	ND	10	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	10	ug/l	
127-18-4	Tetrachloroethene	76.4	10	ug/l	
71-55-6	1,1,1-Trichloroethane	802	10	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	10	ug/l	
79-01-6	Trichloroethene	60.6	10	ug/l	
75-69-4	Trichlorofluoromethane	ND	10	ug/l	
75-01-4	Vinyl chloride	ND	10	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	10	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	10	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	10	ug/l	
156-69-4	cis-1,2-Dichloroethene	610	10	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
98-08-8	aaa-Trifluorotoluene	89 %		75-125 %
462-06-6	Fluorobenzene	93 %		75-125 %
3017-95-6	2-Bromo-1-chloropropane	97 %		75-125 %

6

ND = Not detected

RDL = Reported Detection Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates that analyte is found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 1

Client Sample ID: MW-3		
Lab Sample ID: E15565-3	Date Sampled: 10/23/96	
Matrix: AQ - Ground Water	Date Received: 10/24/96	
Method: EPA 601/602	Percent Solids: n/a	
Project: Former Mobil Oil Hangar D, Westchester County Airport		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	NP7872.D	1	10/24/96	RMS	n/a	n/a	GNP248
Run #2							

VOA Halogenated List

CAS No.	Compound	Result	RDL	Units	Q
75-25-2	Bromoform	ND	0.20	ug/l	
75-27-4	Bromodichloromethane	ND	0.20	ug/l	
74-83-9	Bromomethane	ND	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	0.20	ug/l	
108-90-7	Chlorobenzene	ND	0.20	ug/l	
75-00-3	Chloroethane	7.3	0.20	ug/l	
67-66-3	Chloroform	ND	0.20	ug/l	
74-87-3	Chloromethane	ND	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	0.20	ug/l	
124-48-1	Dibromochloromethane	ND	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	0.20	ug/l	
75-34-3	1,1-Dichloroethane	1.4	0.20	ug/l	
107-06-2	1,2-Dichloroethane	ND	0.20	ug/l	
75-35-4	1,1-Dichloroethene	ND	0.20	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	0.20	ug/l	
75-09-2	Methylene chloride	ND	0.20	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.20	ug/l	
127-18-4	Tetrachloroethene	0.21	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	0.20	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	0.20	ug/l	
79-01-6	Trichloroethene	ND	0.20	ug/l	
75-69-4	Trichlorofluoromethane	ND	0.20	ug/l	
75-01-4	Vinyl chloride	1.3	0.20	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	0.20	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	0.20	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	0.20	ug/l	
156-69-4	cis-1,2-Dichloroethene	2.0	0.20	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
98-08-8	aaa-Trifluorotoluene	100 %		75-125 %
462-06-6	Fluorobenzene	100 %		75-125 %
3017-95-6	2-Bromo-1-chloropropane	93 %		75-125 %

ND = Not detected
RDL = Reported Detection Limit
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J = Indicates an estimated value
B = Indicates that analyte is found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 1

Client Sample ID: MW-4		Date Sampled: 10/23/96
Lab Sample ID: E15565-4		Date Received: 10/24/96
Matrix: AQ - Ground Water		Percent Solids: n/a
Method: EPA 601/602		
Project: Former Mobil Oil Hangar D, Westchester County Airport		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	NP7871.D	1	10/24/96	RMS	n/a	n/a	GNP248
Run #2							

VOA Halogenated List

CAS No.	Compound	Result	RDL	Units	Q
75-25-2	Bromoform	ND	0.20	ug/l	
75-27-4	Bromodichloromethane	ND	0.20	ug/l	
74-83-9	Bromomethane	ND	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	0.20	ug/l	
108-90-7	Chlorobenzene	ND	0.20	ug/l	
75-00-3	Chloroethane	2.4	0.20	ug/l	
67-66-3	Chloroform	ND	0.20	ug/l	
74-87-3	Chloromethane	ND	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	0.20	ug/l	
124-48-1	Dibromochloromethane	ND	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	0.20	ug/l	
75-34-3	1,1-Dichloroethane	13.9	0.20	ug/l	
107-06-2	1,2-Dichloroethane	ND	0.20	ug/l	
75-35-4	1,1-Dichloroethene	1.3	0.20	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	0.20	ug/l	
75-09-2	Methylene chloride	ND	0.20	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.20	ug/l	
127-18-4	Tetrachloroethene	ND	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	0.20	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	0.20	ug/l	
79-01-6	Trichloroethene	ND	0.20	ug/l	
75-69-4	Trichlorofluoromethane	ND	0.20	ug/l	
75-01-4	Vinyl chloride	1.1	0.20	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	0.20	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	0.20	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	0.20	ug/l	
156-69-4	cis-1,2-Dichloroethene	17.2	0.20	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
98-08-8	aaa-Trifluorotoluene	99 %		75-125 %
462-06-6	Fluorobenzene	98 %		75-125 %
3017-95-6	2-Bromo-1-chloropropane	99 %		75-125 %

8

ND = Not detected

RDL = Reported Detection Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates that analyte is found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 1

Client Sample ID: TRIP BLANK	
Lab Sample ID: E15565-5	Date Sampled: 10/21/96
Matrix: AQ - Trip Blank Water	Date Received: 10/24/96
Method: EPA 601/602	Percent Solids: n/a
Project: Former Mobil Oil Hangar D, Westchester County Airport	

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	NP7870.D	1	10/24/96	RMS	n/a	n/a	GNP248
Run #2							

VOA Halogenated List

CAS No.	Compound	Result	RDL	Units	Q
75-25-2	Bromoform	ND	0.20	ug/l	
75-27-4	Bromodichloromethane	ND	0.20	ug/l	
74-83-9	Bromomethane	ND	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	0.20	ug/l	
108-90-7	Chlorobenzene	ND	0.20	ug/l	
75-00-3	Chloroethane	ND	0.20	ug/l	
67-66-3	Chloroform	ND	0.20	ug/l	
74-87-3	Chloromethane	ND	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	0.20	ug/l	
124-48-1	Dibromochloromethane	ND	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	0.20	ug/l	
75-34-3	1,1-Dichloroethane	ND	0.20	ug/l	
107-06-2	1,2-Dichloroethane	ND	0.20	ug/l	
75-35-4	1,1-Dichloroethene	ND	0.20	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	0.20	ug/l	
75-09-2	Methylene chloride	ND	0.20	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.20	ug/l	
127-18-4	Tetrachloroethene	ND	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	0.20	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	0.20	ug/l	
79-01-6	Trichloroethene	ND	0.20	ug/l	
75-69-4	Trichlorofluoromethane	ND	0.20	ug/l	
75-01-4	Vinyl chloride	ND	0.20	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	0.20	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	0.20	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	0.20	ug/l	
156-69-4	cis-1,2-Dichloroethene	ND	0.20	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
98-08-8	aaa-Trifluorotoluene	101 %		75-125 %
462-06-6	Fluorobenzene	100 %		75-125 %
3017-95-6	2-Bromo-1-chloropropane	96 %		75-125 %

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ND = Not detected

RDL = Reported Detection Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates that analyte is found in associated method blank

N = Indicates presumptive evidence of a compound



ACCUTEST®

CHAIN OF CUSTODY

FRESH PONDS CORPORATE VILLAGE, BUILDING B
2235 ROUTE 130, DAYTON, NJ 08810
908-329-0200 FAX: 908-329-3499/3480

ACCUTEST JOB #:

ACCUTEST QUOTE #:

CLIENT INFORMATION		FACILITY INFORMATION		ANALYTICAL INFORMATION		MATRIX CODES	
NAME: <u>Makalop Pine Inc. / Attn John Ifkovits</u>		PROJECT NAME: <u>Mobil Hanger D</u>		<u>VOC's method 601</u>		DW - DRINKING WATER	
ADDRESS: <u>One International Blvd.</u>		LOCATION: <u>Westchester Co. Airport NY</u>				GW - GROUND WATER	
CITY: <u>Mahwah</u> STATE: <u>NJ</u> ZIP: <u>07495</u>		PROJECT NO.: <u>1030065100</u>				WW - WASTE WATER	
SEND REPORT TO: <u>John Ifkovits</u>		FAX # <u>(201) 529-2750</u>				SO - SOIL	
PHONE # <u>(201) 529-0858/4700</u>						SL - SLUDGE	
FIELD ID / POINT OF COLLECTION		COLLECTION		PRESERVATION		LIQ - OTHER	
ACCUTEST SAMPLE #	DATE	TIME	SAMPLED BY:	MATRIX	# OF BOTTLES	HCl	SOL - OTHER
615565-1	10/23/96	1500	JJ/OS	Ag	3	X	SOLID
-2	"	1520	"	"	3	X	
-3	"	1240	"	"	3	Y	
-4	"	1215	"	"	3	X	
-5	10/21/96	1800	TE	"	2	X	
DATA TURNAROUND INFORMATION		DATA DELIVERABLE INFORMATION		COMMENTS/REMARKS			
☒ 21 DAYS STANDARD	APPROVED BY:	☐ NJ REDUCED ☐ COMMERCIAL "A"		<u>Analysis in accordance to 1991 NY DEC ASP Category B Protocol</u>			
☐ 14 DAYS RUSH		☐ NJ Full ☐ COMMERCIAL "B"					
☐ 7 DAYS EMERGENCY		☐ FULL CLP ☐ STATE FORMS					
☐ OTHER		☒ DISK DELIVERABLE					
21 DAY TURNAROUND HARD COPY. EMERGENCY OR RUSH IS FAX DATA UNLESS PREVIOUSLY APPROVED		X OTHER (SPECIFY) <u>1991 NY DEC ASP Category B</u>					
SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION, INCLUDING COURIER DELIVERY							
RELINQUISHED BY: <u>John Ifkovits</u>	DATE TIME: <u>10/23/96 1500</u>	RECEIVED BY: <u>JJ/OS</u>	DATE TIME: <u>10/24/96 0900</u>	RECEIVED BY: <u>JJ/OS</u>			
RELINQUISHED BY: <u>John Ifkovits</u>	DATE TIME: <u>10/23/96</u>	RECEIVED BY: <u>JJ/OS</u>	DATE TIME: <u>10/24/96</u>	RECEIVED BY: <u>JJ/OS</u>			
RELINQUISHED BY: <u>John Ifkovits</u>	DATE TIME: <u>10/23/96</u>	RECEIVED BY: <u>JJ/OS</u>	DATE TIME: <u>10/24/96</u>	RECEIVED BY: <u>JJ/OS</u>			
RELINQUISHED BY: <u>John Ifkovits</u>	DATE TIME: <u>10/23/96</u>	RECEIVED BY: <u>JJ/OS</u>	DATE TIME: <u>10/24/96</u>	RECEIVED BY: <u>JJ/OS</u>			
RELINQUISHED BY: <u>John Ifkovits</u>	DATE TIME: <u>10/23/96</u>	RECEIVED BY: <u>JJ/OS</u>	DATE TIME: <u>10/24/96</u>	RECEIVED BY: <u>JJ/OS</u>			
TEMPERATURE		ON ICE		PRESERVE WHERE APPLICABLE			



Laboratory Person Breaking Field Seal on Sample Cooler & Accepting Responsibility for Sample:

Title Sample Manager

Field Sample Seat No. 52738

Date Broken 10/24/96

Military Time Seal Broken 0915

Accutest Job No. E15565

Analytical Parameter/Fraction	V601
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Date	Time	Relinquished By	Received By	Purpose of Change of Custody
11/21/76	0930	PRINTED NAME <i>M. Ogden</i> SIGNATURE <i>[Signature]</i>	PRINTED NAME <i>Ralph Casan</i> SIGNATURE <i>Ralph Casan</i>	storage
10/24/76	0935	PRINTED NAME <i>Ralph Casan</i> SIGNATURE <i>Ralph Casan</i>	PRINTED NAME <i>okj l o c</i> SIGNATURE <i>[Signature]</i>	storage
10/24/76	1500	PRINTED NAME <i>okj l o c</i> SIGNATURE <i>[Signature]</i>	PRINTED NAME <i>Robert M. Stelma</i> SIGNATURE <i>Robert M. Stelma</i>	SAMPLE ANALYSIS
10/24/76	1700	PRINTED NAME <i>Robert M. Stelma</i> SIGNATURE <i>Robert M. Stelma</i>	PRINTED NAME <i>okj l o c</i> SIGNATURE <i>[Signature]</i>	STORAGE
		PRINTED NAME SIGNATURE	PRINTED NAME SIGNATURE	
		PRINTED NAME SIGNATURE	PRINTED NAME SIGNATURE	
		PRINTED NAME SIGNATURE	PRINTED NAME SIGNATURE	
		PRINTED NAME SIGNATURE	PRINTED NAME SIGNATURE	

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[illegible]

Date	Time	Relinquished By	Received By	Purpose of Change of Custody
10/1/96	0930	PRINTED NAME M. Degen SIGNATURE [Signature]	PRINTED NAME Ralph Casan SIGNATURE [Signature]	storage
10/24/96	0935	PRINTED NAME Ralph Casan SIGNATURE [Signature]	PRINTED NAME of: lee SIGNATURE [Signature]	storage
10/24/96	1500	PRINTED NAME of: lee SIGNATURE [Signature]	PRINTED NAME ROBERT M. STELMA SIGNATURE [Signature]	SAMPLE ANALYSIS
10/24/96	1700	PRINTED NAME ROBERT M. STELMA SIGNATURE [Signature]	PRINTED NAME of: lee SIGNATURE [Signature]	STORAGE
		PRINTED NAME SIGNATURE	PRINTED NAME SIGNATURE	
		PRINTED NAME SIGNATURE	PRINTED NAME SIGNATURE	
		PRINTED NAME SIGNATURE	PRINTED NAME SIGNATURE	
		PRINTED NAME SIGNATURE	PRINTED NAME SIGNATURE	
		PRINTED NAME SIGNATURE	PRINTED NAME SIGNATURE	

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GC Analysis Case Narrative/Conformance/Non-Conformance Summary

Fraction: V601STD

- | | NO | YES |
|---|---|---|
| 1. Chromatograms Labeled/Compounds Identified. <i>(Field Samples and Method Blanks)</i> | [] | [☒] |
| 2. GC Calibration - Initial Calibration performed within 30 days before sample analysis and continuing calibration performed within 24 hours of samples analysis for 600 series and 12 hours for 8000 series. | [] | [☒] |
| 3. Blank Contamination | [☒] | [] |
| <i>If yes, list compounds and in each blank:</i> _____ | | |
| _____ | | |
| 4. Surrogate Recoveries Meets Criteria (if applicable). | [] | [☒] |
| <i>If not met, list those samples which fall outside the acceptable range and confirmed by reanalysis:</i> _____ | | |
| _____ | | |
| 5. Matrix Spike/Matrix Spike Duplicate Recoveries Meet Criteria. | [] | [☒] |
| <i>If not met, refer to MS/MSD and blank spike summaries:</i> _____ | | |
| _____ | | |
| 6. Retention Time Shift Meet Criteria | [] | [<i>N/A</i>] |
| <i>If not met, list those samples which fall outside the acceptable range and confirmed by reanalysis:</i> _____ | | |
| _____ | | |
| 7. Extraction Holding Time Met | [] | [<i>N/A</i>] |
| <i>If not met, list number of days exceeded for each samples:</i> _____ | | |
| _____ | | |
| 8. Analysis Holding Time Met | [] | [☒] |
| <i>If not met, list number of days exceed for each sample:</i> _____ | | |
| _____ | | |

Additional Comments: _____

QC Review Signature: Benedetta Popraw Date: 11/13/96

Spike Recovery and RPD Summary Report - WATER

Method : C:\HPCHEM\5\METHODS\VRX1021.M
 Title : 601/602 BY GC-PID AND GC-ELCD
 Last Update : Wed Oct 23 16:01:48 1996
 Response via : Initial Calibration

Non-Spiked Sample: NP7871.D

Spike Sample	Spike Duplicate Sample
File ID : NP7875.D	NP7876.D
Sample : E15565-4MS,	E15565-4MSD,
Acq Time: 24 Oct 96 10:40 PM	24 Oct 96 11:23 PM

Compound	Sample Conc	Spike Added	Spike Res	Dup Res	Spike %Rec	Dup %Rec	RPD	QC Limits % Rec
Dichlorodifluorometh	0.0	5.0	4.5	4.4	90	89	2	25 50-150
Chloromethane	0.0	5.0	3.2	3.9	63	78	21	25 0-193
Vinyl Chloride	1.1	5.0	5.6	5.6	90	90	0	25 28-163
Bromomethane	0.0	5.0	5.0	5.2	101	103	3	25 0-144
Chloroethane	2.4	5.0	7.1	7.5	96	102	7	25 46-137
Trichlorofluorometha	0.0	5.0	4.9	4.9	99	98	0	25 21-156
1,1-Dichloroethene	1.3	5.0	5.8	5.9	91	92	1	25 28-167
Methylene Chloride	0.0	5.0	4.2	4.2	84	83	0	25 25-162
trans-1,2-Dichloroet	0.0	5.0	5.0	5.0	99	101	1	25 38-155
1,1-Dichloroethane	13.9	5.0	17.9	17.9	81	80	2	25 47-132
cis-1,2-Dichloroethe	17.3	5.0	18.9	18.9	33#	34#	4	25 50-150
Bromochloromethane	0.0	5.0	5.6	5.8	111	117	5	25 50-150
Chloroform	0.0	5.0	5.1	5.3	103	106	3	25 49-133
2,2-Dichloropropane	0.0	5.0	5.0	5.0	100	100	0	25 50-150
1,2-Dichloroethane	0.0	5.0	5.2	5.4	105	108	3	25 51-147
1,1,1-Trichloroethan	0.0	5.0	4.7	4.8	95	97	2	25 41-138
1,1-Dichloropropene	0.0	5.0	5.0	5.0	99	99	0	25 50-150
Carbon Tetrachloride	0.0	5.0	4.8	4.8	96	97	0	25 43-143
Dibromomethane	0.0	5.0	4.7	5.0	95	101	6	25 50-150
1,2-Dichloropropane	0.0	5.0	5.1	5.1	102	103	1	25 44-156
Trichloroethene	0.0	5.0	5.0	5.0	100	100	0	25 35-146
Bromodichloromethane	0.0	5.0	4.8	4.9	95	97	2	25 42-172
2-Chloroethylvinyl e	0.0	5.0	0.0	0.0	0#	0#	99#	25 14-186
cis-1,3-Dichloroprop	0.0	5.0	4.5	4.6	90	91	1	25 22-178
trans-1,3-Dichloropr	0.0	5.0	4.8	4.9	97	97	1	25 22-178
1,1,2-Trichloroethan	0.0	5.0	5.0	5.2	100	103	3	25 39-136
1,3-Dichloropropane	0.0	5.0	5.4	5.6	109	112	3	25 50-150
Dibromochloromethane	0.0	5.0	4.8	4.9	96	97	1	25 24-191
1,2-Dibromoethane	0.0	5.0	5.0	5.0	99	100	1	25 50-150
Tetrachloroethene	0.0	5.0	4.9	4.9	97	98	1	25 26-162
1,1,1,2-Tetrachloroe	0.0	5.0	4.9	5.0	97	99	2	25 50-150
Chlorobenzene	0.0	5.0	4.7	4.8	95	96	1	25 38-150
Bromoform	0.0	5.0	4.8	5.0	97	99	3	25 13-159
1,1,2,2-Tetrachloroe	0.0	5.0	5.0	5.3	101	105	4	25 8-184
1,2,3-Trichloropropa	0.0	5.0	4.8	5.0	96	100	5	25 50-150
Bromobenzene	0.0	5.0	4.9	5.0	97	100	3	25 50-150
?-Chlorotoluene	0.0	5.0	5.1	5.2	101	104	3	25 50-150
4-Chlorotoluene	0.0	5.0	4.7	4.9	95	98	3	25 50-150
1,3-Dichlorobenzene	0.0	5.0	4.8	5.0	96	101	4	25 7-187
1,4-Dichlorobenzene	0.0	5.0	4.7	5.0	94	100	6	25 42-143
1,2-Dichlorobenzene	0.0	5.0	5.0	5.1	100	101	1	25 0-208
1,2-Dibromomo-3-chlo	0.0	5.0	5.3	5.4	106	108	1	25 50-150
1,2,4-Trichlorobenze	0.0	5.0	4.7	4.6	93	92	1	25 50-150

Hexachlorobutadiene	0.0	5.0	4.7	4.7	93	95	2	25	50-150
1,2,3-Trichlorobenze	0.0	5.0	4.6	4.8	91	95	4	25	50-150
Signal #2	0.0	5.0	0.0	0.0	0	0	99#	0	0- 0
trans-1,2-Dichloroet	0.0	5.0	4.9	5.0	98	100	2	25	50-150
cis-1,2-Dichloroethe	15.1	5.0	20.1	20.0	101	100	1	25	50-150
1,1-Dichloropropene	0.0	5.0	4.8	4.8	96	97	1	25	50-150
Benzene	0.0	5.0	4.9	5.0	99	100	1	25	39-150
Trichloroethene	0.0	5.0	4.8	4.9	97	98	1	25	50-150
cis-1,3-Dichloroprop	0.0	5.0	4.6	4.7	92	93	2	25	22-178
trans-1,3-Dichloropr	0.0	5.0	4.6	4.7	92	93	2	25	22-178
Toluene	0.3	5.0	5.2	5.2	97	98	2	25	46-148
Tetrachloroethene	0.0	5.0	4.9	5.0	98	99	2	25	50-150
Chlorobenzene	0.0	5.0	4.9	4.9	97	99	2	25	55-135
Ethylbenzene	0.0	5.0	4.8	4.9	97	98	1	25	32-160
m,p-Xylene	0.3	10.0	9.8	9.9	95	96	1	25	50-150
Styrene	0.0	5.0	4.7	4.8	95	95	1	25	50-150
o-Xylene	0.2	5.0	4.9	5.0	95	96	1	25	50-150
Isopropylbenzene	0.0	5.0	4.9	4.9	98	98	1	25	50-150
Bromobenzene	0.0	5.0	4.8	4.9	95	97	2	25	50-150
n-Propylbenzene	0.0	5.0	4.9	4.9	98	99	1	25	50-150
2-Chlorotoluene	0.0	5.0	4.8	5.0	97	101	4	25	50-150
4-Chlorotoluene	0.0	5.0	5.1	5.1	102	103	1	25	50-150
1,3,5-Trimethylbenze	0.8	5.0	5.6	5.6	96	96	0	25	50-150
tert-Butylbenzene	0.0	5.0	5.1	5.1	101	102	0	25	50-150
1,2,4-Trimethylbenze	1.7	5.0	6.5	6.5	94	95	1	25	50-150
sec-Butylbenzene	0.0	5.0	5.1	5.1	102	103	1	25	50-150
1,3-Dichlorobenzene	0.0	5.0	4.8	4.9	95	97	2	25	50-141
1,4-Dichlorobenzene	0.0	5.0	4.9	5.0	98	100	2	25	42-143
p-Isopropyltoluene	18.0	5.0	22.8	22.4	96	88	8	25	50-150
1,2-Dichlorobenzene	0.8	5.0	5.9	6.1	102	104	2	25	37-154
n-Butylbenzene	0.0	5.0	5.3	5.3	105	106	1	25	50-150
1,2,4-Trichlorobenze	1.0	5.0	5.5	5.7	90	93	3	25	50-150
Naphthalene	0.0	5.0	5.1	5.6	101	113	10	25	50-150
Hexachlorobutadiene	0.0	5.0	4.6	4.7	93	95	2	25	50-150
1,2,3-Trichlorobenze	0.0	5.0	4.8	4.9	96	99	3	25	50-150
Methyl tert butyl et	0.0	5.0	4.9	5.1	98	102	4	25	50-150
2-Chloroethylvinyl e	0.0	5.0	0.0	0.0	0#	0#	99#	25	14-156

VRX1021.M

Fri Oct 25 11:17:40 1996

RPT1

Blank Spike Recovery Summary Report - WATER

Method : C:\HPCHEM\5\METHODS\VRX1021.M
 Title : 601/602 BY GC-PID AND GC-ELCD
 Last Update : Wed Oct 23 16:01:48 1996
 Response via : Initial Calibration

Blank: NP7859.D

Blank Sample	Blank spike Sample
File ID : NP7859.D	NP7877.D
Sample : MB2,	BS2,
Acq Time: 24 Oct 96 10:09 AM	25 Oct 96 00:06 AM

Compound	Blank Conc	Spike Added	Spike Res	Spike %Rec	QC Limits
Dichlorodifluorometh	0.00	5.00	4.23	85	50 - 150
Chloromethane	0.00	5.00	3.57	71	0 - 193
Vinyl Chloride	0.00	5.00	4.40	88	28 - 163
Bromomethane	0.00	5.00	4.84	97	0 - 144
Chloroethane	0.00	5.00	4.64	93	46 - 137
Trichlorofluorometha	0.00	5.00	4.70	94	21 - 156
1,1-Dichloroethene	0.00	5.00	4.73	95	28 - 167
Methylene Chloride	0.00	5.00	4.41	88	25 - 162
trans-1,2-Dichloroet	0.00	5.00	4.64	93	38 - 155
1,1-Dichloroethane	0.00	5.00	5.05	101	47 - 132
cis-1,2-Dichloroethe	0.00	5.00	4.88	98	50 - 150
Bromochloromethane	0.00	5.00	4.96	99	50 - 150
Chloroform	0.00	5.00	4.82	96	49 - 133
2,2-Dichloropropane	0.00	5.00	4.34	87	50 - 150
1,2-Dichloroethane	0.00	5.00	4.96	99	51 - 147
1,1,1-Trichloroethan	0.00	5.00	4.31	86	41 - 138
1,1-Dichloropropene	0.00	5.00	4.68	94	50 - 150
Carbon Tetrachloride	0.00	5.00	4.54	91	43 - 143
Dibromomethane	0.00	5.00	4.59	92	50 - 150
1,2-Dichloropropane	0.00	5.00	4.80	96	44 - 156
Trichloroethene	0.00	5.00	4.58	92	35 - 146
Bromodichloromethane	0.00	5.00	4.66	93	42 - 172
2-Chloroethylvinyl e	0.00	5.00	3.14	63	14 - 186
cis-1,3-Dichloroprop	0.00	5.00	4.49	90	22 - 178
trans-1,3-Dichloropr	0.00	5.00	4.68	94	22 - 178
1,1,2-Trichloroethan	0.00	5.00	4.84	97	39 - 136
1,3-Dichloropropane	0.00	5.00	5.20	104	50 - 150
Dibromochloromethane	0.00	5.00	4.86	97	24 - 191
1,2-Dibromoethane	0.00	5.00	4.82	96	50 - 150
Tetrachloroethene	0.00	5.00	4.43	89	26 - 162
1,1,1,2-Tetrachloroe	0.00	5.00	4.62	92	50 - 150
Chlorobenzene	0.00	5.00	4.52	90	38 - 150
Bromoform	0.00	5.00	4.92	98	13 - 159
1,1,2,2-Tetrachloroe	0.00	5.00	4.72	94	8 - 184
1,2,3-Trichloropropa	0.00	5.00	4.66	93	50 - 150
Bromobenzene	0.00	5.00	4.55	91	50 - 150
2-Chlorotoluene	0.00	5.00	4.82	96	50 - 150
4-Chlorotoluene	0.00	5.00	4.49	90	50 - 150
1,3-Dichlorobenzene	0.00	5.00	4.54	91	7 - 187
1,4-Dichlorobenzene	0.00	5.00	4.40	88	42 - 146
1,2-Dichlorobenzene	0.00	5.00	4.80	96	0 - 208
1,2-Dibromomo-3-chlo	0.00	5.00	5.60	112	50 - 150
1,2,4-Trichlorobenze	0.00	5.00	4.26	85	50 - 150

Hexachlorobutadiene	0.00	5.00	4.27	85	50 - 150
1,2,3-Trichlorobenze	0.00	5.00	4.24	85	50 - 150
Signal #2	0.00	5.00	0.00	0	0 - 0
trans-1,2-Dichloroet	0.00	5.00	4.47	89	50 - 150
cis-1,2-Dichloroethe	0.00	5.00	4.59	92	50 - 150
1,1-Dichloropropene	0.00	5.00	4.40	88	50 - 150
Benzene	0.00	5.00	4.51	90	39 - 150
Trichloroethene	0.00	5.00	4.46	89	50 - 150
cis-1,3-Dichloroprop	0.00	5.00	4.38	88	22 - 178
trans-1,3-Dichloropr	0.00	5.00	4.43	89	22 - 178
Toluene	0.00	5.00	4.64	93	46 - 148
Tetrachloroethene	0.00	5.00	4.40	88	50 - 150
Chlorobenzene	0.00	5.00	4.57	91	55 - 135
Ethylbenzene	0.00	5.00	4.52	90	32 - 160
m,p-Xylene	0.00	10.00	9.09	91	50 - 150
Styrene	0.00	5.00	4.59	92	50 - 150
o-Xylene	0.00	5.00	4.52	90	50 - 150
Isopropylbenzene	0.00	5.00	4.47	89	50 - 150
Bromobenzene	0.00	5.00	4.58	92	50 - 150
n-Propylbenzene	0.00	5.00	4.47	89	50 - 150
2-Chlorotoluene	0.00	5.00	4.49	90	50 - 150
4-Chlorotoluene	0.00	5.00	4.50	90	50 - 150
1,3,5-Trimethylbenze	0.00	5.00	4.48	90	50 - 150
tert-Butylbenzene	0.00	5.00	4.53	91	50 - 150
1,2,4-Trimethylbenze	0.00	5.00	4.48	90	50 - 150
sec-Butylbenzene	0.00	5.00	4.46	89	50 - 150
1,3-Dichlorobenzene	0.00	5.00	4.48	90	50 - 141
1,4-Dichlorobenzene	0.00	5.00	4.54	91	42 - 143
p-Isopropyltoluene	0.00	5.00	4.47	89	50 - 150
1,2-Dichlorobenzene	0.00	5.00	4.56	91	37 - 154
n-Butylbenzene	0.00	5.00	4.38	88	50 - 150
1,2,4-Trichlorobenze	0.00	5.00	4.42	88	50 - 150
Naphthalene	0.33	5.00	4.79	89	50 - 150
Hexachlorobutadiene	0.00	5.00	4.24	85	50 - 150
1,2,3-Trichlorobenze	0.00	5.00	4.43	89	50 - 150
Methyl tert butyl et	0.00	5.00	4.56	91	50 - 150
2-Chloroethylvinyl e	0.00	5.00	2.98	60	14 - 156

VRX1021.M

Fri Oct 25 11:13:34 1996

RPT1

Method Blank Summary

Page 1 of 1

Job Number: E15565

Account: MPNJ Malcolm Pirnie

Project: Former Mobil Oil Hangar D, Westchester County Airport

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GNP248-MB2	NP7859.D	1	10/24/96	RMS	n/a	n/a	GNP248

The QC reported here applies to the following samples:

Method: EPA 601/602

E15565-1, E15565-2, E15565-3, E15565-4, E15565-5

CAS No.	Compound	Result	RDL	Units	Q
75-25-2	Bromoform	ND	0.20	ug/l	
75-27-4	Bromodichloromethane	ND	0.20	ug/l	
74-83-9	Bromomethane	ND	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	0.20	ug/l	
108-90-7	Chlorobenzene	ND	0.20	ug/l	
75-00-3	Chloroethane	ND	0.20	ug/l	
67-66-3	Chloroform	ND	0.20	ug/l	
74-87-3	Chloromethane	ND	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	0.20	ug/l	
124-48-1	Dibromochloromethane	ND	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	0.20	ug/l	
75-34-3	1,1-Dichloroethane	ND	0.20	ug/l	
107-06-2	1,2-Dichloroethane	ND	0.20	ug/l	
75-35-4	1,1-Dichloroethene	ND	0.20	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	0.20	ug/l	
75-09-2	Methylene chloride	ND	0.20	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.20	ug/l	
127-18-4	Tetrachloroethene	ND	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	0.20	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	0.20	ug/l	
79-01-6	Trichloroethene	ND	0.20	ug/l	
75-69-4	Trichlorofluoromethane	ND	0.20	ug/l	
75-01-4	Vinyl chloride	ND	0.20	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	0.20	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	0.20	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	0.20	ug/l	
156-69-4	cis-1,2-Dichloroethene	ND	0.20	ug/l	

CAS No.	Surrogate Recoveries	Limits
98-08-8	aaa-Trifluorotoluene	103 % 75-125 %
462-06-6	Fluorobenzene	102 % 75-125 %
3017-95-6	2-Bromo-1-chloropropane	98 % 75-125 %

Report of Analysis

Page 1 of 1

Client Sample ID: MW-1	Date Sampled: 10/23/96
Lab Sample ID: E15565-1	Date Received: 10/24/96
Matrix: AQ - Ground Water	Percent Solids: n/a
Method: EPA 601/602	
Project: Former Mobil Oil Hangar D, Westchester County Airport	

Run #1	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #2	NP7874.D	25	10/24/96	RMS	n/a	n/a	GNP248

VOA Halogenated List

CAS No.	Compound	Result	RDL	Units	Q
75-25-2	Bromoform	ND	5.0	ug/l	
75-27-4	Bromodichloromethane	ND	5.0	ug/l	
74-83-9	Bromomethane	ND	5.0	ug/l	
56-23-5	Carbon tetrachloride	ND	5.0	ug/l	
108-90-7	Chlorobenzene	ND	5.0	ug/l	
75-00-3	Chloroethane	ND	5.0	ug/l	
67-66-3	Chloroform	ND	5.0	ug/l	
74-87-3	Chloromethane	ND	5.0	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	5.0	ug/l	
124-48-1	Dibromochloromethane	ND	5.0	ug/l	
75-71-8	Dichlorodifluoromethane	ND	5.0	ug/l	
75-34-3	1,1-Dichloroethane	220	5.0	ug/l	
107-06-2	1,2-Dichloroethane	ND	5.0	ug/l	
75-35-4	1,1-Dichloroethene	23.0	5.0	ug/l	
156-60-5	trans-1,2-Dichloroethene	29.2	5.0	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	5.0	ug/l	
78-87-5	1,2-Dichloropropane	ND	5.0	ug/l	
75-09-2	Methylene chloride	ND	5.0	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.0	ug/l	
127-18-4	Tetrachloroethene	135	5.0	ug/l	
71-55-6	1,1,1-Trichloroethane	30.9	5.0	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	5.0	ug/l	
79-01-6	Trichloroethene	35.9	5.0	ug/l	
75-69-4	Trichlorofluoromethane	ND	5.0	ug/l	
75-01-4	Vinyl chloride	12.9	5.0	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	5.0	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	5.0	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	5.0	ug/l	
156-69-4	cis-1,2-Dichloroethene	444	5.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
98-08-8	aaa-Trifluorotoluene	88 %		75-125 %
462-06-6	Fluorobenzene	93 %		75-125 %
3017-95-6	2-Bromo-1-chloropropane	95 %		75-125 %

ND = Not detected

RDL = Reported Detection Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates that analyte is found in associated method blank

N = Indicates presumptive evidence of a compound

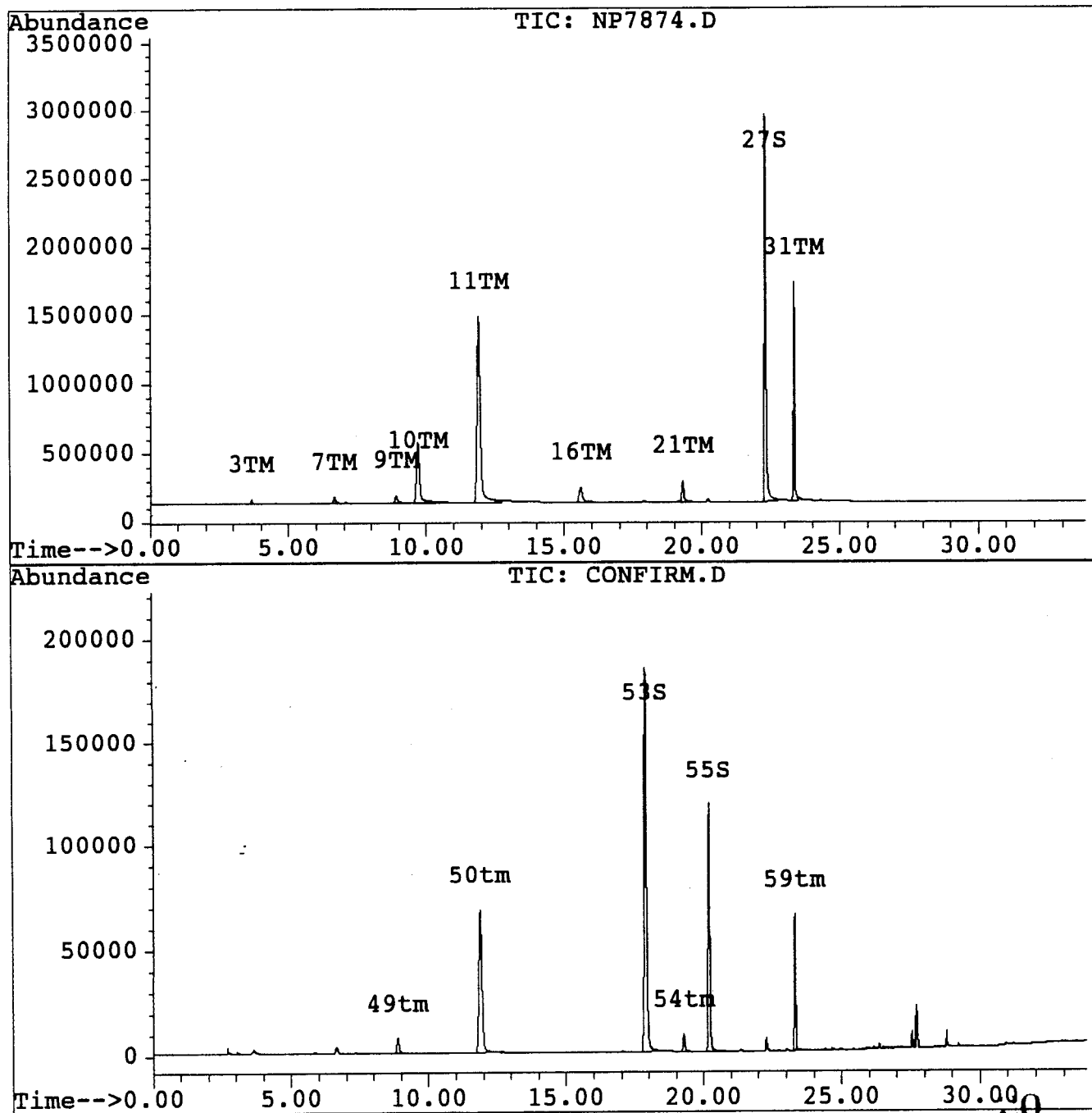
Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\NP7874.D
 Signal #2 : C:\HPCHEM\5\DATA\NP7874.D\CONFIRM.D
 Acq On : 24 Oct 96 09:57 PM
 Sample : E15565-1,V601STD
 Misc : GC3045,GNP248,W,,,25
 Quant Time: Oct 25 11:05 1996

Vial: 14
 Operator: RMS
 Inst : GC-NP
 Multiplr: 25.00

Method : C:\HPCHEM\5\METHODS\VRX1021.M
 Title : 601/602 BY GC-PID AND GC-ELCD
 Last Update : Wed Oct 23 16:01:48 1996
 Response via : Multiple Level Calibration

Volume Inj. : 5.0 ML PURGE VOLUME
 Signal #1 Phase : (ELCD) J+W DBVRX Signal #2 Phase: (PID) J+W DBVRX 75mX
 Signal #1 Info : Signal #2 Info :



Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\NP7874.D
Signal #2 : C:\HPCHEM\5\DATA\NP7874.D\CONFIRM.D
Acq On : 24 Oct 96 09:57 PM
Sample : E15565-1,V601STD
Misc : GC3045,GNP248,W,,,25
Quant Time: Oct 25 11:05 1996

Vial: 14
Operator: RMS
Inst : GC-NP
Multiplr: 25.00

Method : C:\HPCHEM\5\METHODS\VRX1021.M
Title : 601/602 BY GC-PID AND GC-ELCD
Last Update : Wed Oct 23 16:01:48 1996
Response via : Multiple Level Calibration

RMS
10/25/96

Volume Inj. : 5.0 ML PURGE VOLUME
Signal #1 Phase : (ELCD) J+W DBVRX Signal #2 Phase: (PID) J+W DBVRX 75mX
Signal #1 Info : Signal #2 Info :

Compound		R.T.	Response	Conc	Units

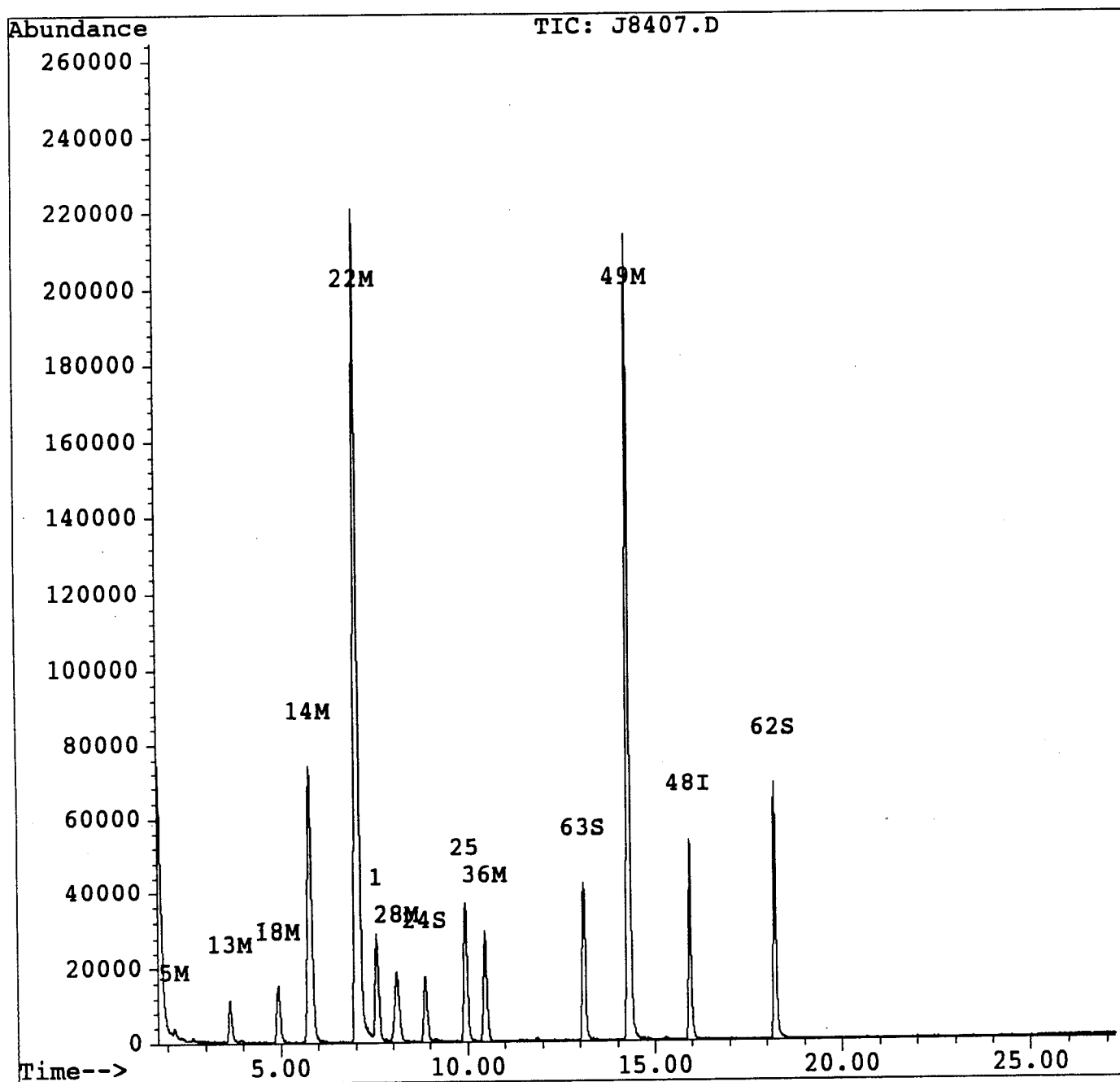
System Monitoring Compounds					
27) S	2-Bromo-1-Chloropropane	22.31	102393750	28.490	PPB
			Recovery =	94.97%	
53) S	Fluorobenzene	17.90	11285410	27.852	PPB
			Recovery =	92.84%	
55) S	aaa-Trifluorotoluene #2	20.21	5256711	26.544	PPB
			Recovery =	88.48%	
Target Compounds					
3) TM	Vinyl Chloride	3.65	1273816	12.905	PPB m
7) TM	1,1-Dichloroethene	6.66	3275199	22.969	PPB
9) TM	trans-1,2-Dichloroethene	8.90	5008222	29.218	PPB
10) TM	1,1-Dichloroethane	9.70	42940919	219.715	PPB
11) TM	cis-1,2-Dichloroethene	11.92	119577541	444.325	PPB
16) TM	1,1,1-Trichloroethane	15.60	11362372	30.911	PPB m
21) TM	Trichloroethene	19.31	11157701	35.914	PPB
31) TM	Tetrachloroethene	23.35	42955881	134.716	PPB
49) tm	trans-1,2-Dichloroethene	8.87	412726	26.587	PPB m
50) tm	cis-1,2-Dichloroethene	11.90	5361455	441.492	PPB
54) tm	Trichloroethene	19.29	432846	29.924	PPB
59) tm	Tetrachloroethene	23.33	1575879	138.449	PPB

Quantitation Report

Data File : C:\HPCHEM\2\DATA\J8407.D
 Acq On : 26 Oct 96 1:40 am
 Sample : E15565-1
 Misc : GC,VJ448,W,,,,,2
 Quant Time: Oct 28 10:50 1996

Vial: 42
 Operator: GTT
 Inst : 5971 - In
 Multiplr: 2.00

Method : C:\HPCHEM\2\METHODS\MJ448.M
 Title :
 Last Update : Fri Oct 25 15:15:27 1996
 Response via : Multiple Level Calibration



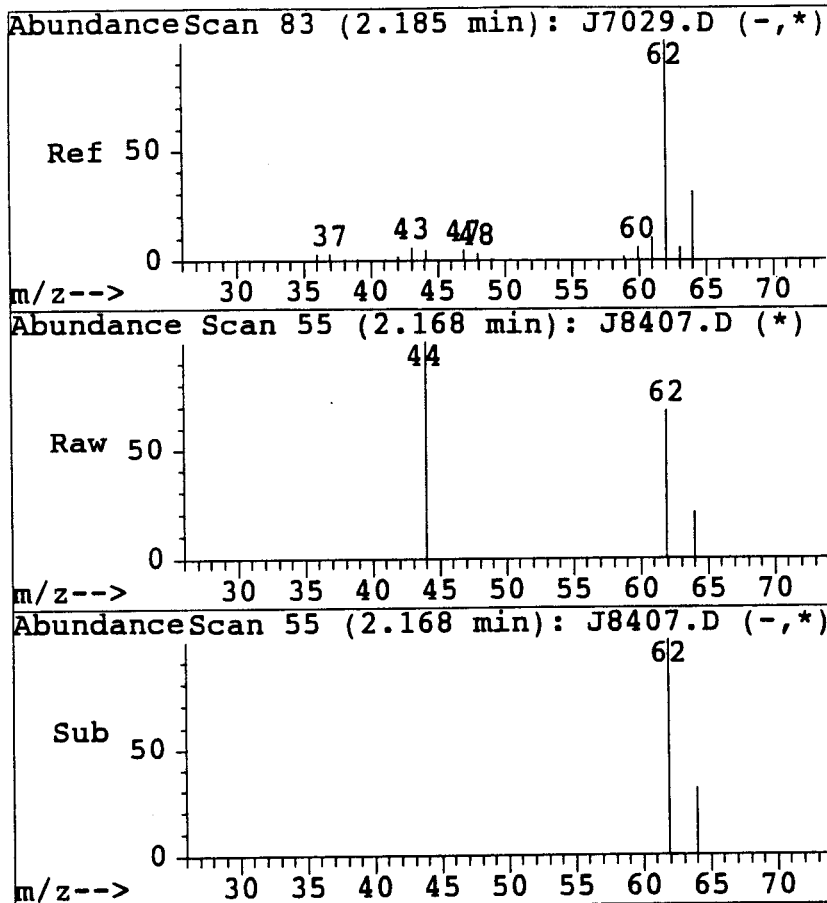
Quantitation Report

Data File : C:\HPCHEM\2\DATA\J8407.D
 Acq On : 26 Oct 96 1:40 am
 Sample : E15565-1
 Misc : GC,VJ448,W,,,,,2
 Quant Time: Oct 28 10:50 1996

Vial: 42
 Operator: GTT
 Inst : 5971 - In
 Multiplr: 2.00

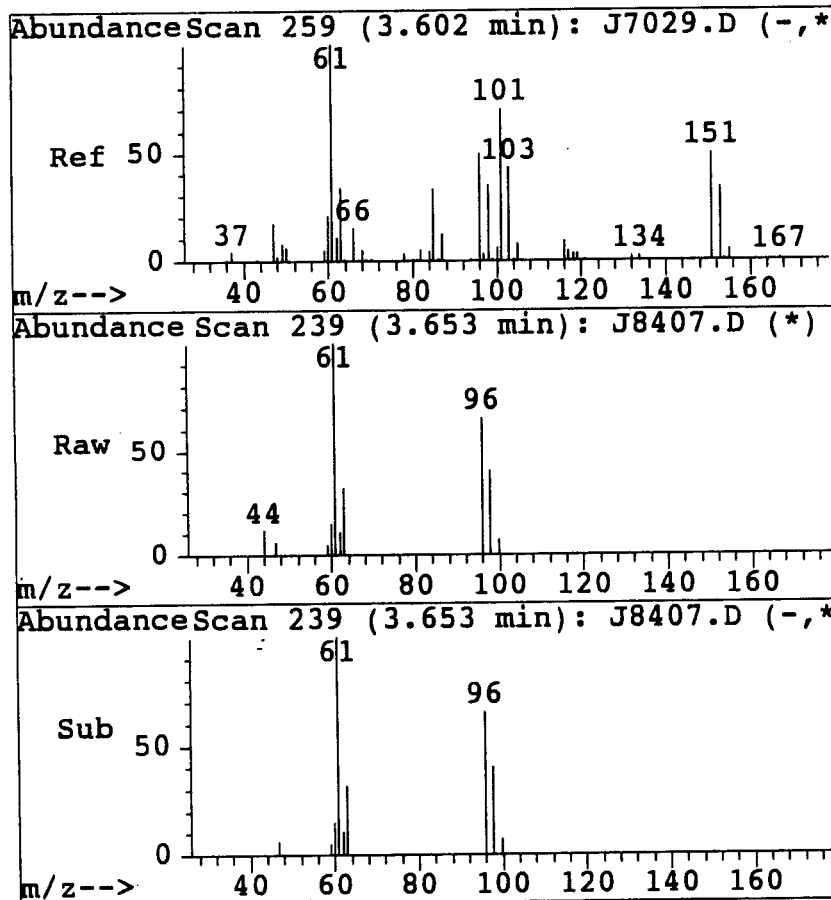
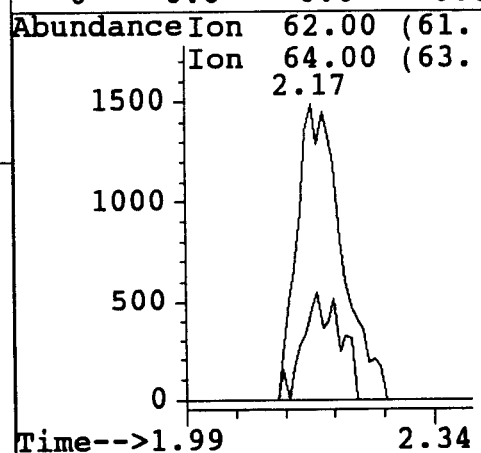
Method : C:\HPCHEM\2\METHODS\MJ448.M
 Title :
 Last Update : Fri Oct 25 15:15:27 1996
 Response via : Multiple Level Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	7.56	128	28555	30.00	PPb	-0.04
25) 1,4-DIFLUOROBENZENE	9.95	114	107682	30.00	PPb	-0.03
48) CHLOROBENZENE-D5	15.93	117	84789	30.00	PPb	-0.02
System Monitoring Compounds						%Recovery
24) 1,2-DICHLOROETHANE-D4 (SUR)	8.87	65	41138	30.63	PPb	102.10%
62) 4-BROMOFLUOROBENZENE (SUR)	18.21	95	70621	27.48	PPb	91.59%
63) TOLUENE-d8 (SUR)	13.09	98	88615	28.78	PPb	95.93%
Target Compounds						Qvalue
5) VINYL CHLORIDE	2.17	62	6611	11.67	PPb	m 0
13) 1,1-DICHLOROETHYLENE	3.65	96	13391	21.46	PPb	m 85
14) 1,1-DICHLOROETHANE	5.77	63	263577	175.79	PPb	98
18) trans-1,2-DICHLOROETHYLENE	4.93	96	21521	26.22	PPb	94
22) cis-1,2-DICHLOROETHYLENE	7.05	96	357809	371.37	PPb	99
28) 1,1,1-TRICHLOROETHANE	8.11	97	51792	27.89	PPb	96
36) TRICHLOROETHYLENE	10.47	95	33093	28.02	PPb	96
49) TETRACHLOROETHYLENE	14.30	164	159922	131.62	PPb	95



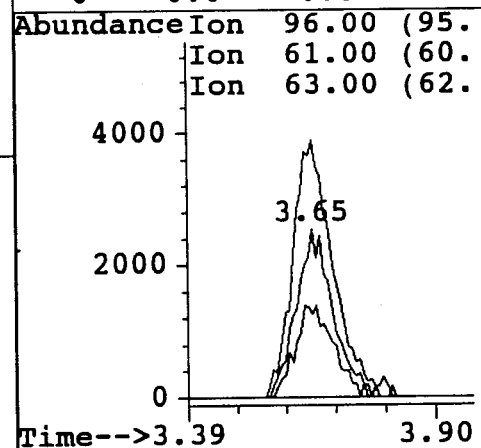
#5
VINYL CHLORIDE
Concen: 11.67 PPb m
RT: 2.17 min Scan# 55
Delta R.T. -0.06 min
Lab File: J8407.D
Acq: 26 Oct 96 1:40 am

Tgt Ion:62	Resp:	6611
Ion Ratio	Lower	Upper
62 100		
64 31.5	26.9	40.3
0 0.0	0.0	0.0
0 0.0	0.0	0.0

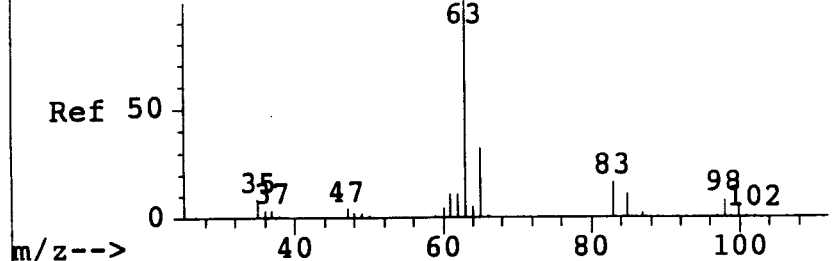


#13
1,1-DICHLOROETHYLENE
Concen: 21.46 PPb m
RT: 3.65 min Scan# 239
Delta R.T. 0.00 min
Lab File: J8407.D
Acq: 26 Oct 96 1:40 am

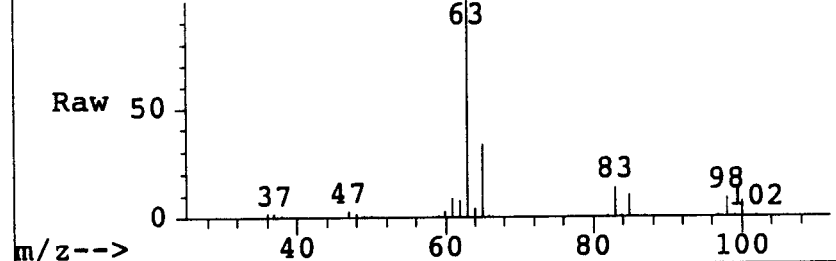
Tgt Ion:96	Resp:	13391
Ion Ratio	Lower	Upper
96 100		
61 153.9	136.3	204.4
63 49.7	47.7	71.5
0 0.0	0.0	0.0



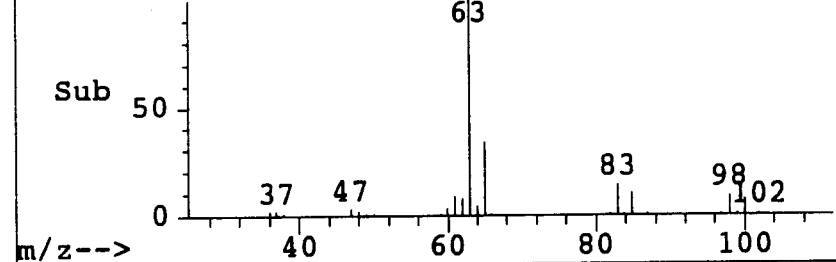
AbundanceScan 524 (5.735 min): J7029.D (-,*



AbundanceScan 501 (5.767 min): J8407.D (*)



AbundanceScan 501 (5.767 min): J8407.D (-,*



#14

1,1-DICHLOROETHANE

Concen: 175.79 PPb

RT: 5.77 min Scan# 501

Delta R.T. -0.04 min

Lab File: J8407.D

Acq: 26 Oct 96 1:40 am

Tgt Ion:63 Resp: 263577

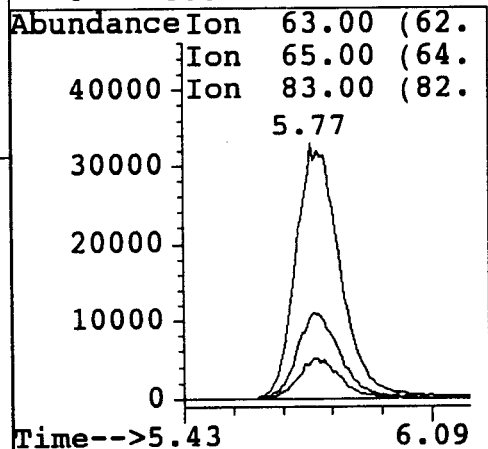
Ion Ratio Lower Upper

63 100

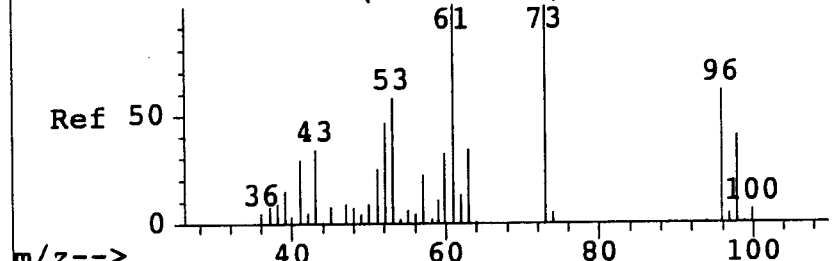
65 32.6 26.7 40.0

83 14.4 12.8 19.1

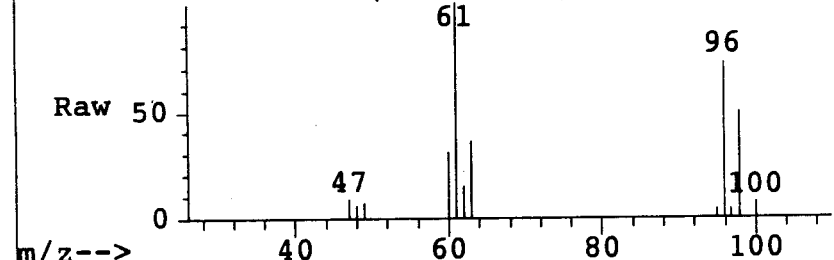
0 0.0 0.0 0.0



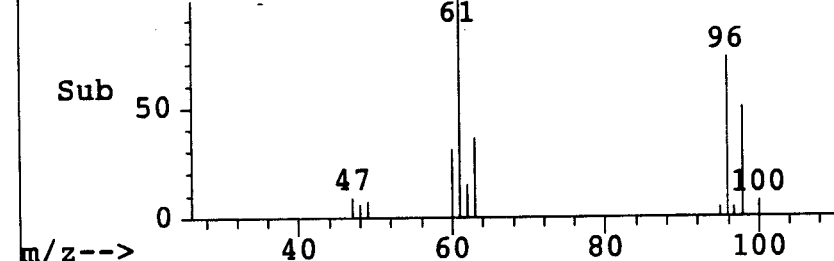
AbundanceScan 419 (4.890 min): J7029.D (-,*



AbundanceScan 397 (4.928 min): J8407.D (*)



AbundanceScan 397 (4.928 min): J8407.D (-,*



#18

trans-1,2-DICHLOROETHYLENE

Concen: 26.22 PPb

RT: 4.93 min Scan# 397

Delta R.T. -0.01 min

Lab File: J8407.D

Acq: 26 Oct 96 1:40 am

Tgt Ion:96 Resp: 21521

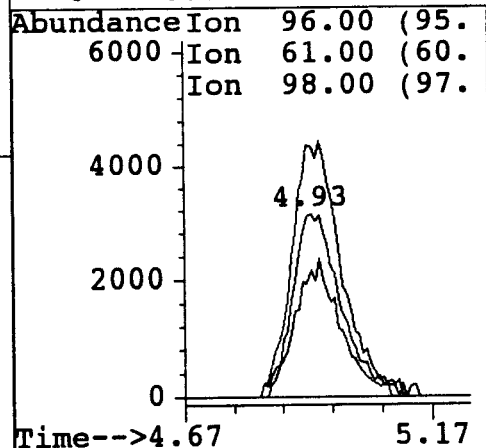
Ion Ratio Lower Upper

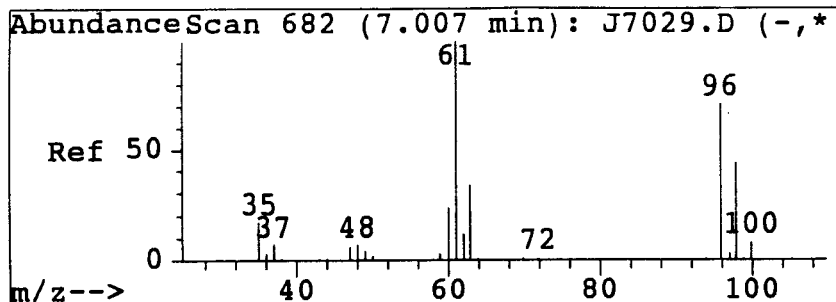
96 100

61 134.4 115.2 172.7

98 69.1 53.6 80.3

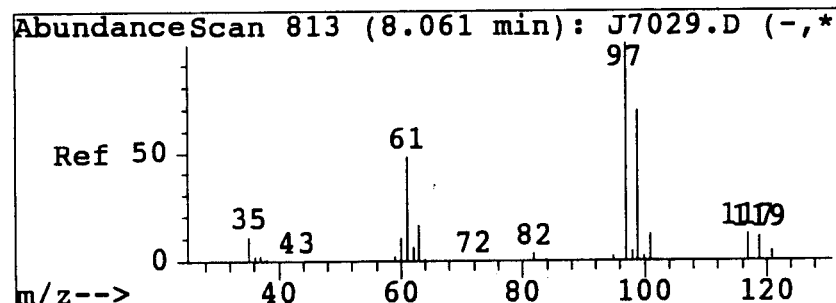
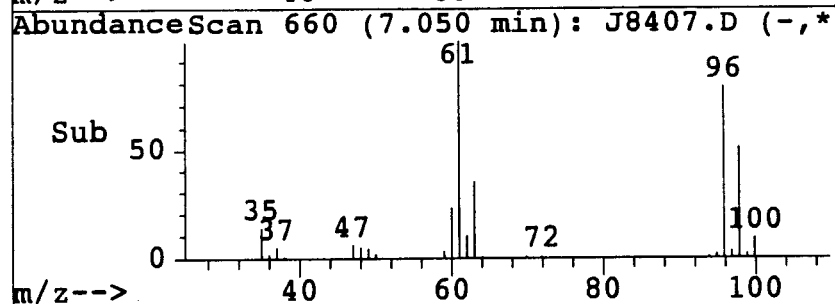
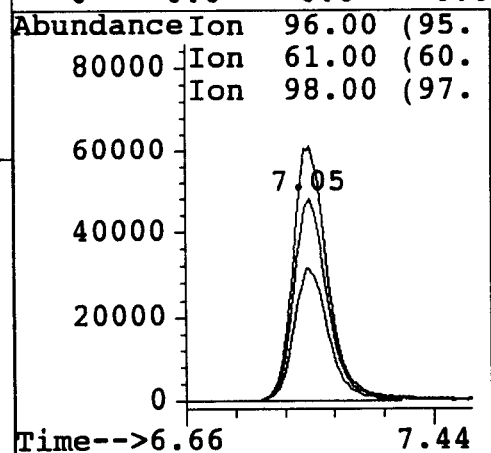
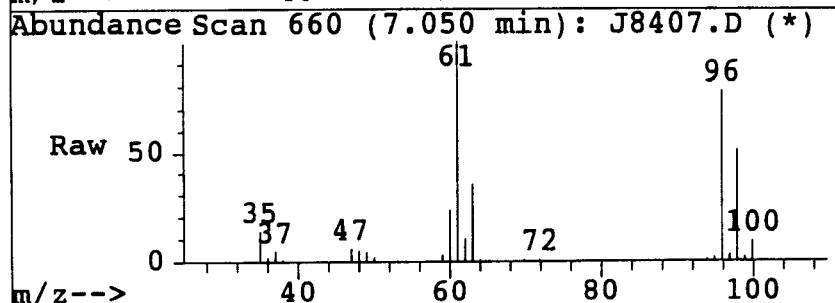
0 0.0 0.0 0.0





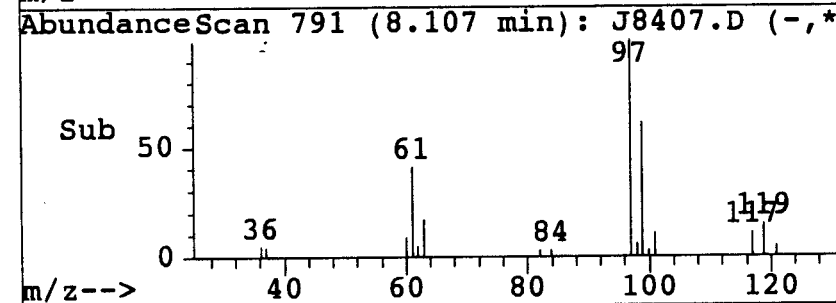
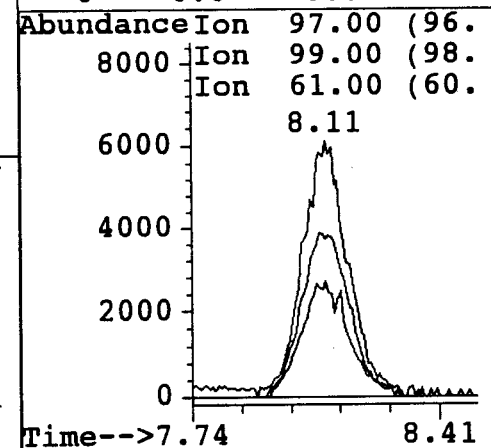
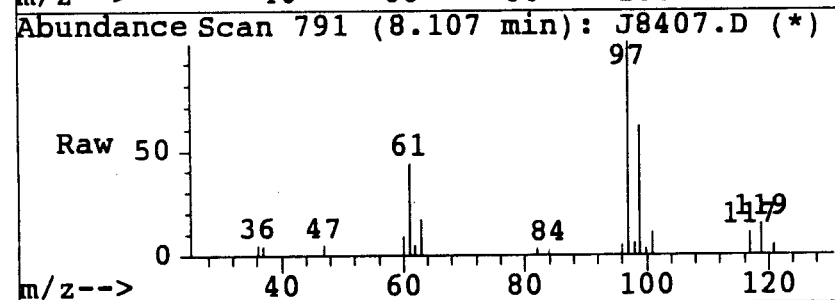
#22
 cis-1,2-DICHLOROETHYLENE
 Concen: 371.37 PPB
 RT: 7.05 min Scan# 660
 Delta R.T. -0.02 min
 Lab File: J8407.D
 Acq: 26 Oct 96 1:40 am

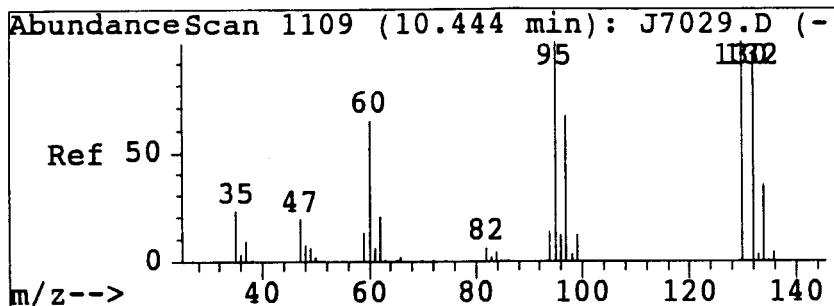
Tgt	Ion:96	Resp:	357809
Ion	Ratio	Lower	Upper
96	100		
61	127.4	102.0	152.9
98	64.8	53.1	79.6
0	0.0	0.0	0.0



#28
 1,1,1-TRICHLOROETHANE
 Concen: 27.89 PPb
 RT: 8.11 min Scan# 791
 Delta R.T. -0.02 min
 Lab File: J8407.D
 Acq: 26 Oct 96 1:40 am

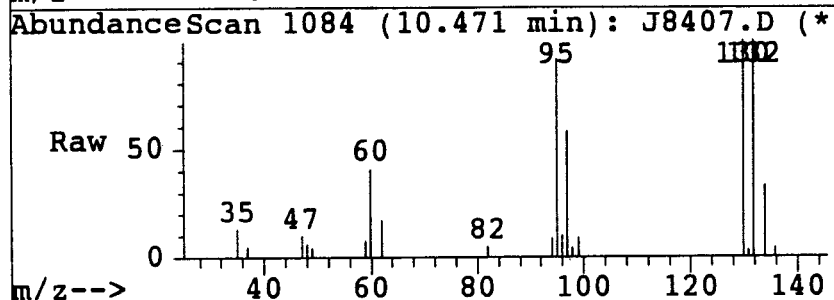
Tgt	Ion:97	Resp:	51792
Ion	Ratio	Lower	Upper
97	100		
99	61.0	52.0	77.9
61	42.8	36.3	54.4
0	0.0	0.0	0.0



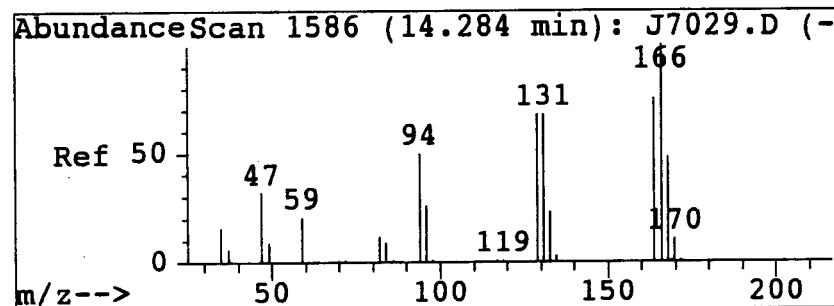
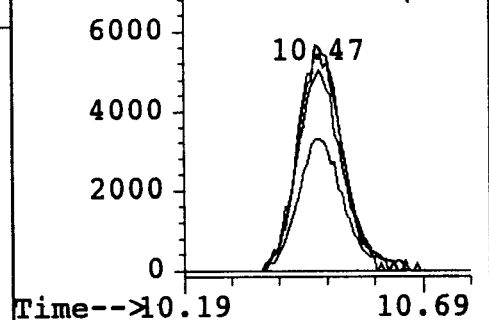
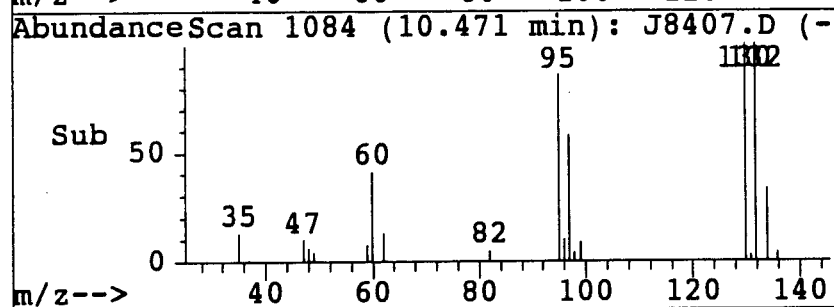


#36
TRICHLOROETHYLENE
Concen: 28.02 PPb
RT: 10.47 min Scan# 1084
Delta R.T. -0.03 min
Lab File: J8407.D
Acq: 26 Oct 96 1:40 am

Tgt Ion:	95	Resp:	33093
Ion	Ratio	Lower	Upper
95	100		
97	64.5	52.5	78.7
130	110.3	84.9	127.4
132	108.6	81.7	122.6

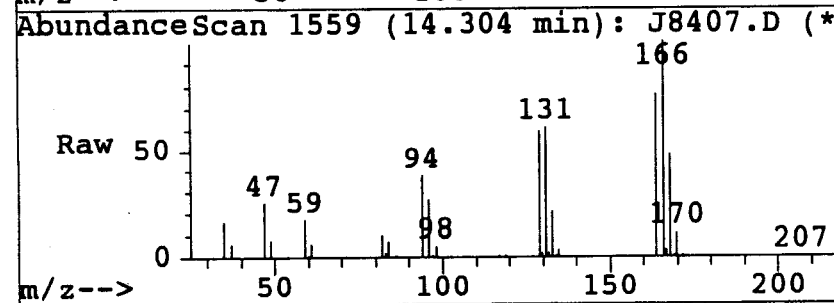


Abundance	Ion	95.00 (94.
	Ion	97.00 (96.
8000	Ion	130.00 (129
	Ion	132.00 (131

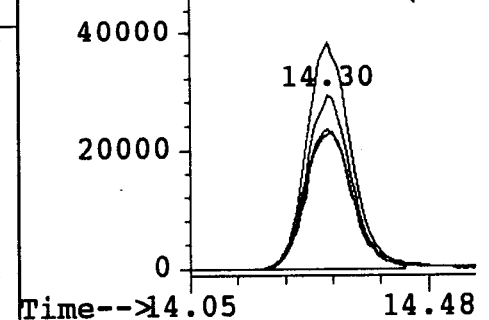
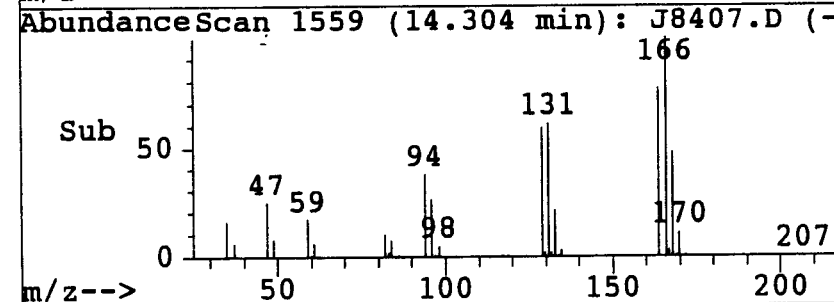


#49
TETRACHLOROETHYLENE
Concen: 131.62 PPb
RT: 14.30 min Scan# 1559
Delta R.T. -0.02 min
Lab File: J8407.D
Acq: 26 Oct 96 1:40 am

Tgt Ion:	164	Resp:	159922
Ion	Ratio	Lower	Upper
164	100		
129	77.3	68.1	102.2
131	80.3	70.5	105.7
166	131.1	105.1	157.6



Abundance	Ion	164.00 (163
60000	Ion	129.00 (128
	Ion	131.00 (130
	Ion	166.00 (165



27

Report of Analysis

Page 1 of 1

Client Sample ID:	MW-2	Date Sampled:	10/23/96
Lab Sample ID:	E15565-2	Date Received:	10/24/96
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	EPA 601/602		
Project:	Former Mobil Oil Hangar D, Westchester County Airport		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	NP7873.D	50	10/24/96	RMS	n/a	n/a	GNP248
Run #2							

VOA Halogenated List

CAS No.	Compound	Result	RDL	Units	Q
75-25-2	Bromoform	ND	10	ug/l	
75-27-4	Bromodichloromethane	ND	10	ug/l	
74-83-9	Bromomethane	ND	10	ug/l	
56-23-5	Carbon tetrachloride	ND	10	ug/l	
108-90-7	Chlorobenzene	ND	10	ug/l	
75-00-3	Chloroethane	895	10	ug/l	
67-66-3	Chloroform	ND	10	ug/l	
74-87-3	Chloromethane	ND	10	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	10	ug/l	
124-48-1	Dibromochloromethane	ND	10	ug/l	
75-71-8	Dichlorodifluoromethane	ND	10	ug/l	
75-34-3	1,1-Dichloroethane	1980	10	ug/l	
107-06-2	1,2-Dichloroethane	ND	10	ug/l	
75-35-4	1,1-Dichloroethene	89.3	10	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	10	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	10	ug/l	
78-87-5	1,2-Dichloropropane	ND	10	ug/l	
75-09-2	Methylene chloride	ND	10	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	10	ug/l	
127-18-4	Tetrachloroethene	76.4	10	ug/l	
71-55-6	1,1,1-Trichloroethane	802	10	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	10	ug/l	
79-01-6	Trichloroethene	60.6	10	ug/l	
75-69-4	Trichlorofluoromethane	ND	10	ug/l	
75-01-4	Vinyl chloride	ND	10	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	10	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	10	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	10	ug/l	
156-69-4	cis-1,2-Dichloroethene	610	10	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
98-08-8	aaa-Trifluorotoluene	89%		75-125%
462-06-6	Fluorobenzene	93%		75-125%
3017-95-6	2-Bromo-1-chloropropane	97%		75-125%

ND = Not detected
 RDL = Reported Detection Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates that analyte is found in associated method blank
 N = Indicates presumptive evidence of a compound

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\NP7873.D
Signal #2 : C:\HPCHEM\5\DATA\NP7873.D\CONFIRM.D
Acq On : 24 Oct 96 09:13 PM
Sample : E15565-2,V601STD
Misc : GC3045,GNP248,W,,,50
Quant Time: Oct 25 11:03 1996

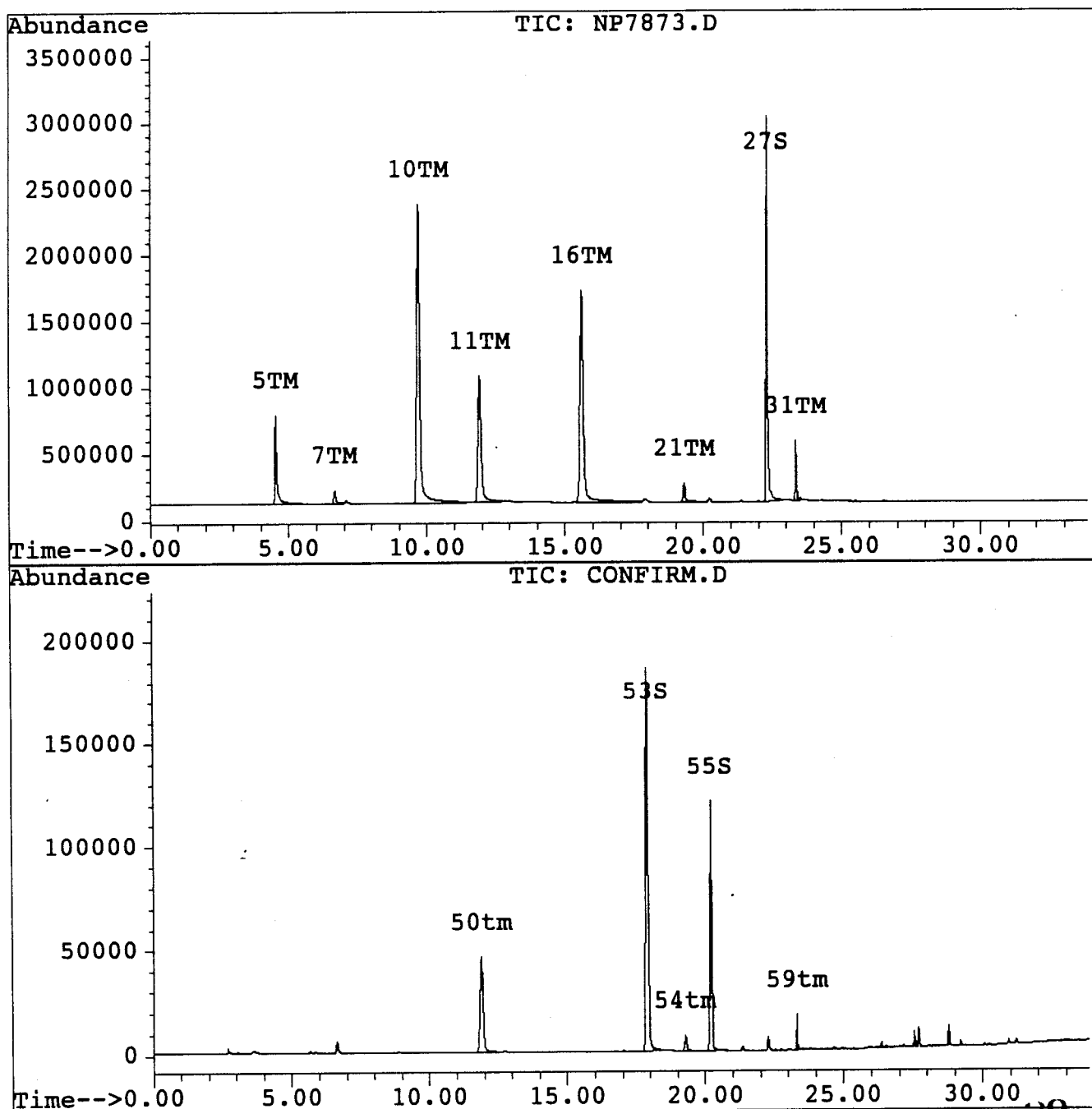
Vial: 13

Operator: RMS
Inst : GC-NP
Multiplr: 50.00

Method : C:\HPCHEM\5\METHODS\VRX1021.M
Title : 601/602 BY GC-PID AND GC-ELCD
Last Update : Wed Oct 23 16:01:48 1996
Response via : Multiple Level Calibration

Volume Inj. : 5.0 ML PURGE VOLUME

Signal #1 Phase : (ELCD) J+W DBVRX Signal #2 Phase: (PID) J+W DBVRX 75mX
Signal #1 Info : Signal #2 Info :



Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\NP7873.D
Signal #2 : C:\HPCHEM\5\DATA\NP7873.D\CONFIRM.D
Acq On : 24 Oct 96 09:13 PM
Sample : E15565-2,V601STD
Misc : GC3045,GNP248,W,,,50
Quant Time: Oct 25 11:03 1996

Vial: 13

Operator: RMS
Inst : GC-NP
Multiplr: 50.00

Method : C:\HPCHEM\5\METHODS\VRX1021.M
Title : 601/602 BY GC-PID AND GC-ELCD
Last Update : Wed Oct 23 16:01:48 1996
Response via : Multiple Level Calibration

RMS
10/28/96

Volume Inj. : 5.0 ML PURGE VOLUME
Signal #1 Phase : (ELCD) J+W DBVRX Signal #2 Phase: (PID) J+W DBVRX 75mX
Signal #1 Info : Signal #2 Info :

Compound		R.T.	Response	Conc	Units

System Monitoring Compounds					
27) S	2-Bromo-1-Chloropropane	22.31	104411974	29.052	PPB
			Recovery =	96.84%	
53) S	Fluorobenzene	17.90	11341990	27.992	PPB
			Recovery =	93.31%	
55) S	aaa-Trifluorotoluene #2	20.21	5312478	26.825	PPB
			Recovery =	89.42%	
Target Compounds					
5) TM	Chloroethane	4.52	36682684	895.059	PPB m
7) TM	1,1-Dichloroethene	6.66	6363857	89.259	PPB m
10) TM	1,1-Dichloroethane	9.70	193745593	1982.667	PPB m
11) TM	cis-1,2-Dichloroethene	11.91	82046187	609.733	PPB m
16) TM	1,1,1-Trichloroethane	15.60	147465257	802.355	PPB
21) TM	Trichloroethene	19.31	9416379	60.618	PPB
31) TM	Tetrachloroethene	23.34	12185619	76.432	PPB
50) tm	cis-1,2-Dichloroethene	11.89	3583192	590.120	PPB
54) tm	Trichloroethene	19.29	376461	52.052	PPB
59) tm	Tetrachloroethene	23.33	407142	71.539	PPB



Report of Analysis

Page 1 of 1

Client Sample ID: MW-3
Lab Sample ID: E15565-3
Matrix: AQ - Ground Water
Method: EPA 601/602
Project: Former Mobil Oil Hangar D, Westchester County Airport

Date Sampled: 10/23/96
Date Received: 10/24/96
Percent Solids: n/a

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	NP7872.D	1	10/24/96	RMS	n/a	n/a	GNP248
Run #2							

VOA Halogenated List

CAS No.	Compound	Result	RDL	Units	Q
75-25-2	Bromoform	ND	0.20	ug/l	
75-27-4	Bromodichloromethane	ND	0.20	ug/l	
74-83-9	Bromomethane	ND	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	0.20	ug/l	
108-90-7	Chlorobenzene	ND	0.20	ug/l	
75-00-3	Chloroethane	7.3	0.20	ug/l	
67-66-3	Chloroform	ND	0.20	ug/l	
74-87-3	Chloromethane	ND	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	0.20	ug/l	
124-48-1	Dibromochloromethane	ND	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	0.20	ug/l	
75-34-3	1,1-Dichloroethane	1.4	0.20	ug/l	
107-06-2	1,2-Dichloroethane	ND	0.20	ug/l	
75-35-4	1,1-Dichloroethene	ND	0.20	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	0.20	ug/l	
75-09-2	Methylene chloride	ND	0.20	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.20	ug/l	
127-18-4	Tetrachloroethene	0.21	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	0.20	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	0.20	ug/l	
79-01-6	Trichloroethene	ND	0.20	ug/l	
75-69-4	Trichlorofluoromethane	ND	0.20	ug/l	
75-01-4	Vinyl chloride	1.3	0.20	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	0.20	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	0.20	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	0.20	ug/l	
156-69-4	cis-1,2-Dichloroethene	2.0	0.20	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
98-08-8	aaa-Trifluorotoluene	100%		75-125 %
462-06-6	Fluorobenzene	100%		75-125 %
3017-95-6	2-Bromo-1-chloropropane	93%		75-125 %

ND = Not detected
RDL = Reported Detection Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates that analyte is found in associated method blank
N = Indicates presumptive evidence of a compound

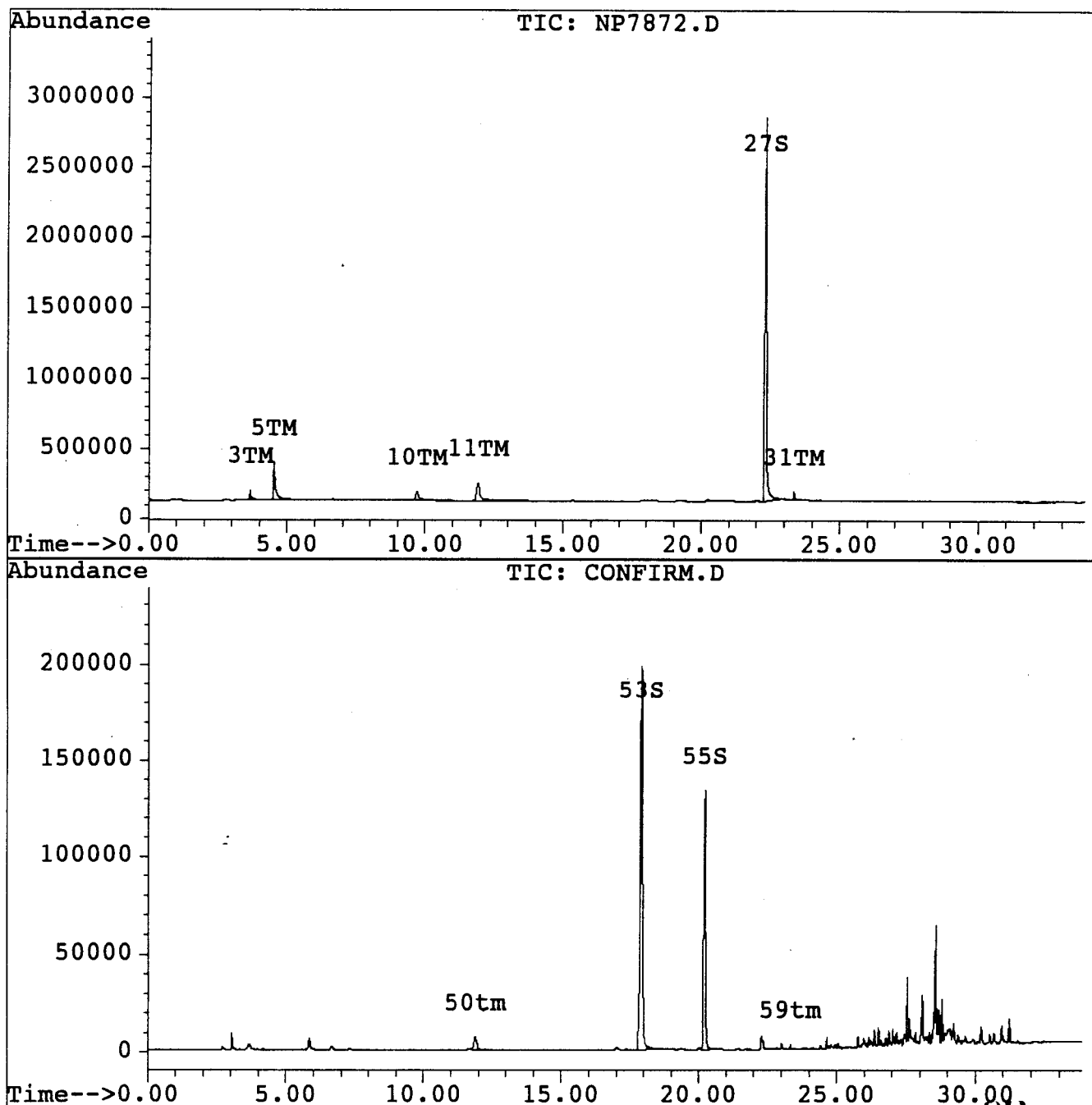
Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\NP7872.D
 Signal #2 : C:\HPCHEM\5\DATA\NP7872.D\CONFIRM.D
 Acq On : 24 Oct 96 08:30 PM
 Sample : E15565-3,V601STD
 Misc : GC3045,GNP248,W,,,1
 Quant Time: Oct 25 15:30 1996

Vial: 12
 Operator: RMS
 Inst : GC-NP
 Multiplr: 1.00

Method : C:\HPCHEM\5\METHODS\VRX1021.M
 Title : 601/602 BY GC-PID AND GC-ELCD
 Last Update : Wed Oct 23 16:01:48 1996
 Response via : Multiple Level Calibration

Volume Inj. : 5.0 ML PURGE VOLUME
 Signal #1 Phase : (ELCD) J+W DBVRX Signal #2 Phase: (PID) J+W DBVRX 75mX
 Signal #1 Info : Signal #2 Info :



Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\NP7872.D
Signal #2 : C:\HPCHEM\5\DATA\NP7872.D\CONFIRM.D
Acq On : 24 Oct 96 08:30 PM
Sample : E15565-3,V601STD
Misc : GC3045,GNP248,W,,,,1
Quant Time: Oct 25 15:30 1996

Vial: 12

Operator: RMS
Inst : GC-NP
Multiplr: 1.00

Method : C:\HPCHEM\5\METHODS\VRX1021.M
Title : 601/602 BY GC-PID AND GC-ELCD
Last Update : Wed Oct 23 16:01:48 1996
Response via : Multiple Level Calibration

RMS
10/28/96

Volume Inj. : 5.0 ML PURGE VOLUME
Signal #1 Phase : (ELCD) J+W DBVRX Signal #2 Phase: (PID) J+W DBVRX 75mX
Signal #1 Info : Signal #2 Info :

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
27) S 2-Bromo-1-Chloropropane	22.31	100400120	27.936 PPB
		Recovery =	93.12%
53) S Fluorobenzene	17.90	12104685	29.874 PPB
		Recovery =	99.58%
55) S aaa-Trifluorotoluene #2	20.21	5942686	30.008 PPB
		Recovery =	100.03%
Target Compounds			
3) TM Vinyl Chloride	3.65	3303182	1.339 PPB m
5) TM Chloroethane	4.53	14888917	7.266 PPB
10) TM 1,1-Dichloroethane	9.70	6802572	1.392 PPB
11) TM cis-1,2-Dichloroethene	11.92	13235321	1.967 PPB
31) TM Tetrachloroethene	23.34	1671241	0.210 PPB m
50) tm cis-1,2-Dichloroethene	11.89	523144	1.723 PPB m
59) tm Tetrachloroethene	23.33	61395	0.216 PPB m



Report of Analysis

Page 1 of 1

Client Sample ID: MW-4
Lab Sample ID: E15565-4
Matrix: AQ - Ground Water
Method: EPA 601/602
Project: Former Mobil Oil Hangar D, Westchester County Airport

Date Sampled: 10/23/96
Date Received: 10/24/96
Percent Solids: n/a

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	NP7871.D	1	10/24/96	RMS	n/a	n/a	GNP248
Run #2							

VOA Halogenated List

CAS No.	Compound	Result	RDL	Units	Q
75-25-2	Bromoform	ND	0.20	ug/l	
75-27-4	Bromodichloromethane	ND	0.20	ug/l	
74-83-9	Bromomethane	ND	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	0.20	ug/l	
108-90-7	Chlorobenzene	ND	0.20	ug/l	
75-00-3	Chloroethane	2.4	0.20	ug/l	
67-66-3	Chloroform	ND	0.20	ug/l	
74-87-3	Chloromethane	ND	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	0.20	ug/l	
124-48-1	Dibromochloromethane	ND	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	0.20	ug/l	
75-34-3	1,1-Dichloroethane	13.9	0.20	ug/l	
107-06-2	1,2-Dichloroethane	ND	0.20	ug/l	
75-35-4	1,1-Dichloroethene	1.3	0.20	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	0.20	ug/l	
75-09-2	Methylene chloride	ND	0.20	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.20	ug/l	
127-18-4	Tetrachloroethene	ND	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	0.20	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	0.20	ug/l	
79-01-6	Trichloroethene	ND	0.20	ug/l	
75-69-4	Trichlorofluoromethane	ND	0.20	ug/l	
75-01-4	Vinyl chloride	1.1	0.20	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	0.20	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	0.20	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	0.20	ug/l	
156-69-4	cis-1,2-Dichloroethene	17.2	0.20	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
98-08-8	aaa-Trifluorotoluene	99%		75-125 %
462-06-6	Fluorobenzene	98%		75-125 %
3017-95-6	2-Bromo-1-chloropropane	99%		75-125 %

ND = Not detected

RDL = Reported Detection Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates that analyte is found in associated method blank

N = Indicates presumptive evidence of a compound

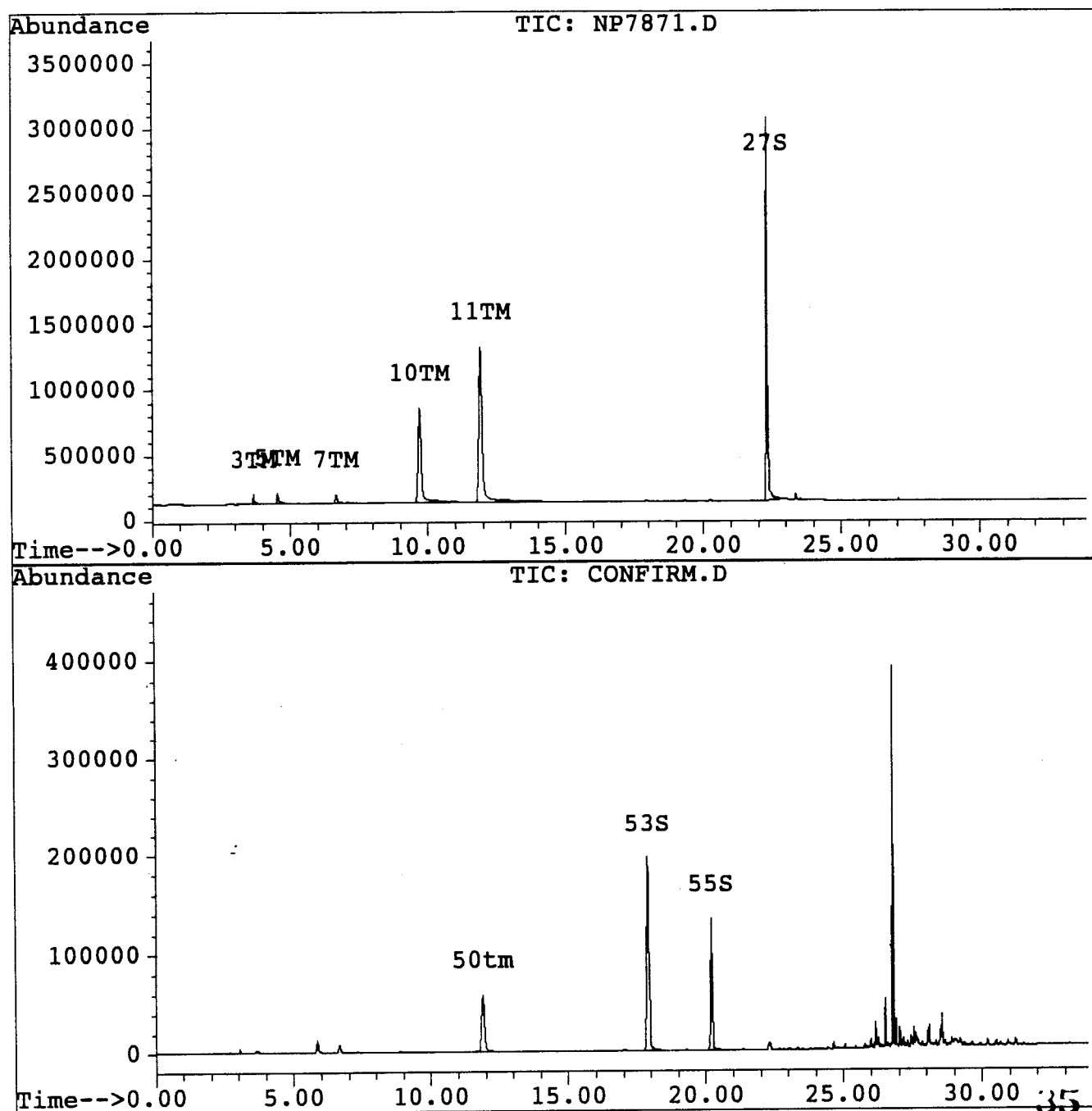
Quantitation Report

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 Signal #2 : C:\HPCHEM\5\DATA\NP7871.D\CONFIRM.D
 Acq On : 24 Oct 96 07:48 PM
 Sample : E15565-4,V601STD
 Misc : GC3045,GNP248,W,,,1
 Quant Time: Oct 28 11:09 1996

Vial: 11
 Operator: RMS
 Inst : GC-NP
 Multiplr: 1.00

Method : C:\HPCHEM\5\METHODS\VRX1021.M
 Title : 601/602 BY GC-PID AND GC-ELCD
 Last Update : Wed Oct 23 16:01:48 1996
 Response via : Multiple Level Calibration

Volume Inj. : 5.0 ML PURGE VOLUME
 Signal #1 Phase : (ELCD) J+W DBVRX Signal #2 Phase: (PID) J+W DBVRX 75mX
 Signal #1 Info : Signal #2 Info :



Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\NP7871.D
Signal #2 : C:\HPCHEM\5\DATA\NP7871.D\CONFIRM.D
Acq On : 24 Oct 96 07:48 PM
Sample : E15565-4,V601STD
Misc : GC3045,GNP248,W,,,1
Quant Time: Oct 28 11:09 1996

Vial: 11

Operator: RMS
Inst : GC-NP
Multiplr: 1.00

Method : C:\HPCHEM\5\METHODS\VRX1021.M
Title : 601/602 BY GC-PID AND GC-ELCD
Last Update : Wed Oct 23 16:01:48 1996
Response via : Multiple Level Calibration

Rms
10/28/96

Volume Inj. : 5.0 ML PURGE VOLUME
Signal #1 Phase : (ELCD) J+W DBVRX Signal #2 Phase: (PID) J+W DBVRX 75mX
Signal #1 Info : Signal #2 Info :

Compound	R.T.	Response	Conc Units

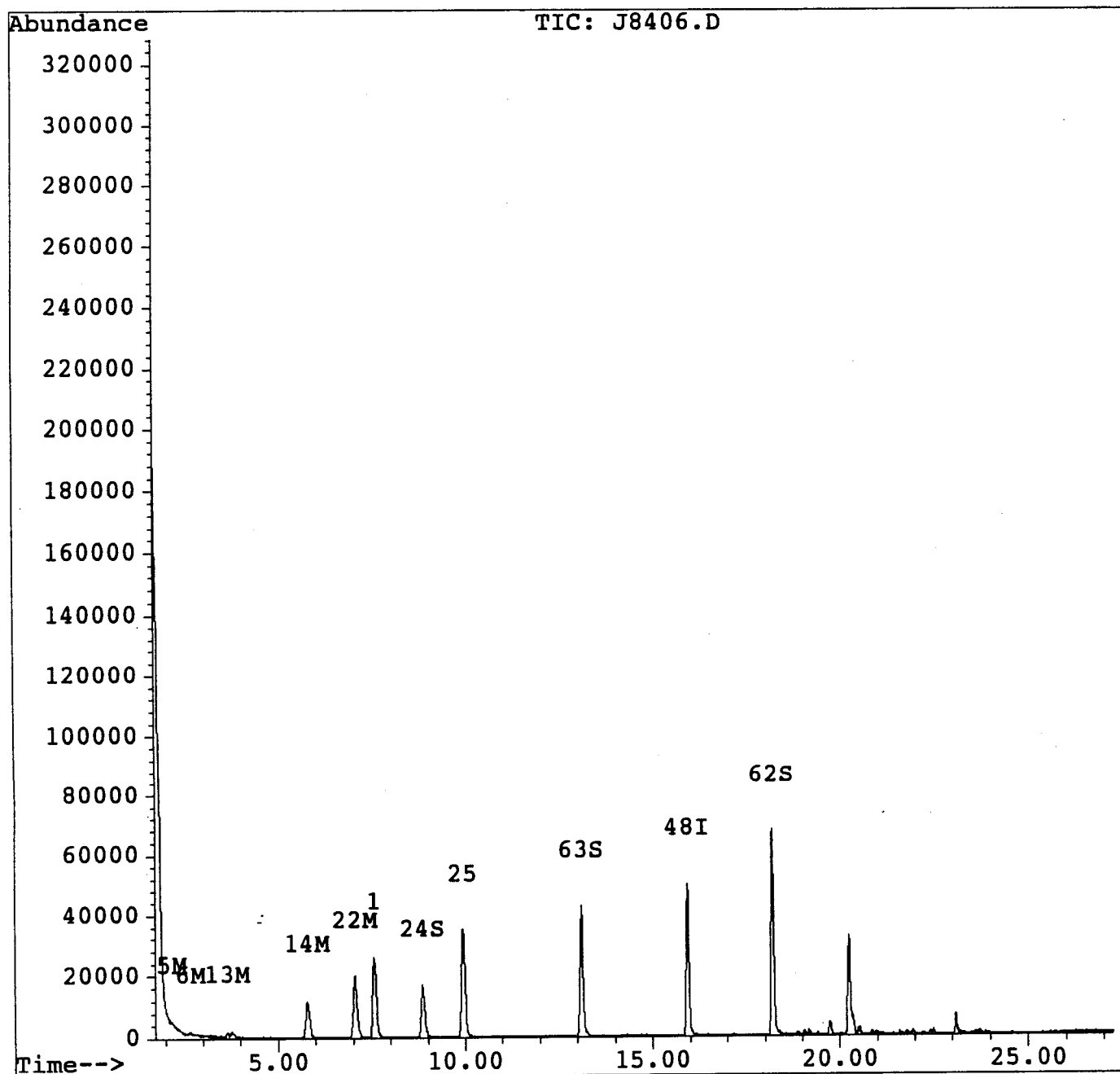
System Monitoring Compounds			
27) S 2-Bromo-1-Chloropropane	22.31	106316384	29.582 PPB
		Recovery =	98.61%
53) S Fluorobenzene	17.90	11939039	29.465 PPB
		Recovery =	98.22%
55) S aaa-Trifluorotoluene #2	20.21	5895743	29.771 PPB
		Recovery =	99.24%
Target Compounds			
3) TM Vinyl Chloride	3.66	2788399	1.130 PPB
5) TM Chloroethane	4.53	4838035	2.361 PPB
7) TM 1,1-Dichloroethene	6.66	4676226	1.312 PPB
10) TM 1,1-Dichloroethane	9.70	67824979	13.882 PPB
11) TM cis-1,2-Dichloroethene	11.92	116060108	17.250 PPB
50) tm cis-1,2-Dichloroethene	11.90	4569550	15.051 PPB

Quantitation Report

Data File : C:\HPCHEM\2\DATA\J8406.D
 Acq On : 26 Oct 96 1:05 am
 Sample : E15565-4
 Misc : GC,VJ448,W,,,,,1
 Quant Time: Oct 28 10:47 1996

Vial: 41
 Operator: GTT
 Inst : 5971 - In
 Multiplr: 1.00

Method : C:\HPCHEM\2\METHODS\MJ448.M
 Title :
 Last Update : Fri Oct 25 15:15:27 1996
 Response via : Multiple Level Calibration



Quantitation Report

Data File : C:\HPCHEM\2\DATA\J8406.D
 Acq On : 26 Oct 96 1:05 am
 Sample : E15565-4
 Misc : GC,VJ448,W,,,,1
 Quant Time: Oct 28 10:47 1996

Vial: 41
 Operator: GTT
 Inst : 5971 - In
 Multiplr: 1.00

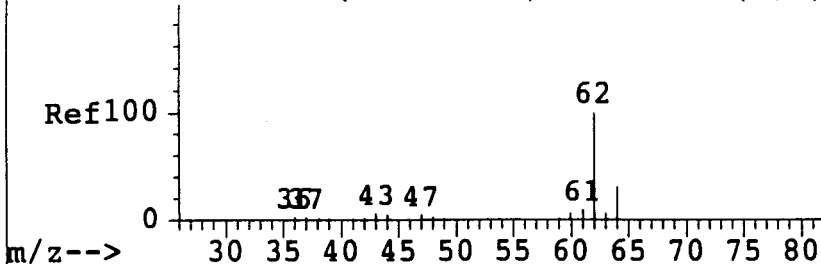
Method : C:\HPCHEM\2\METHODS\MJ448.M
 Title :
 Last Update : Fri Oct 25 15:15:27 1996
 Response via : Multiple Level Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	7.56	128	27855	30.00	PPb	-0.04
25) 1,4-DIFLUOROBENZENE	9.93	114	103784	30.00	PPb	-0.05
48) CHLOROBENZENE-D5	15.93	117	82864	30.00	PPb	-0.03

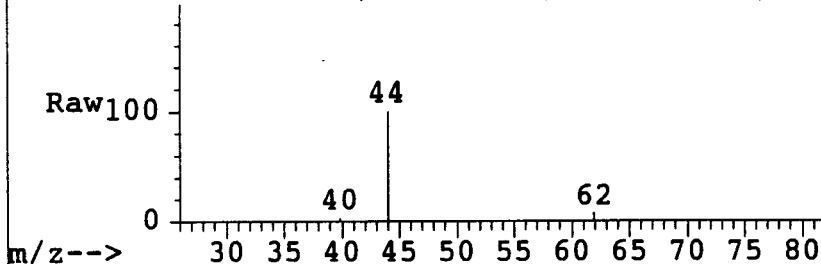
System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	%Recovery
24) 1,2-DICHLOROETHANE-D4 (SUR)	8.86	65	39382	30.06	PPb	100.20%
62) 4-BROMOFLUOROBENZENE (SUR)	18.20	95	69662	27.73	PPb	92.45%
63) TOLUENE-d8 (SUR)	13.10	98	87520	29.08	PPb	96.95%

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) VINYL CHLORIDE	2.19	62	1099	0.99	PPb	m 41
6) CHLOROETHANE	2.68	64	1990	4.58	PPb	m 50
13) 1,1-DICHLOROETHYLENE	3.65	96	1600	1.31	PPb	m 62
14) 1,1-DICHLOROETHANE	5.79	63	43643	14.92	PPb	98
22) cis-1,2-DICHLOROETHYLENE	7.05	96	32560	17.32	PPb	96

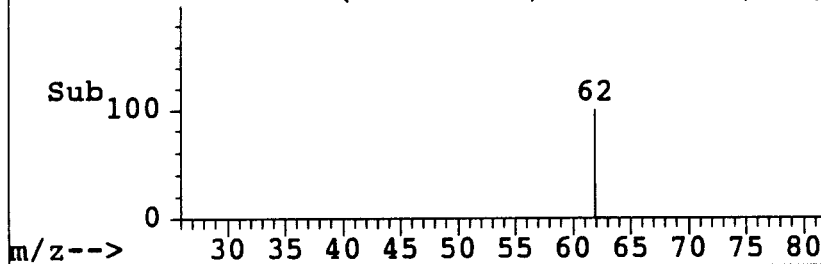
AbundanceScan 83 (2.185 min): J7029.D (-,*)



Abundance Scan 58 (2.186 min): J8406.D (*)



AbundanceScan 58 (2.186 min): J8406.D (-,*)



#5

VINYL CHLORIDE

Concen: 0.99 PPb m

RT: 2.19 min Scan# 58

Delta R.T. -0.05 min

Lab File: J8406.D

Acq: 26 Oct 96 1:05 am

Tgt Ion:62 Resp: 1099

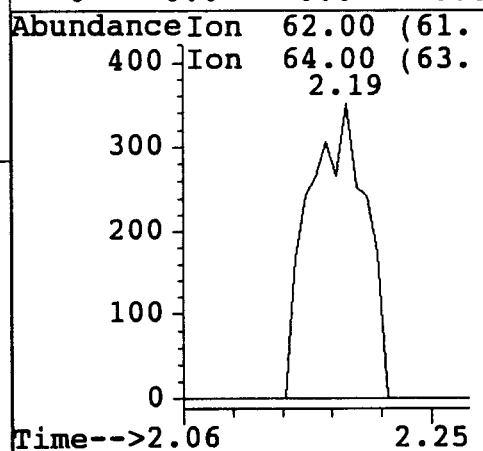
Ion Ratio Lower Upper

62 100

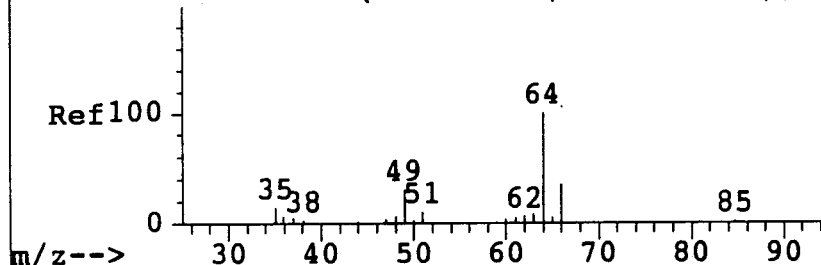
64 0.0 26.9 40.3#

0 0.0 0.0 0.0

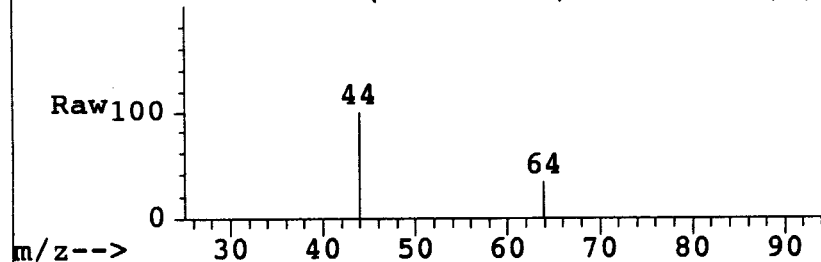
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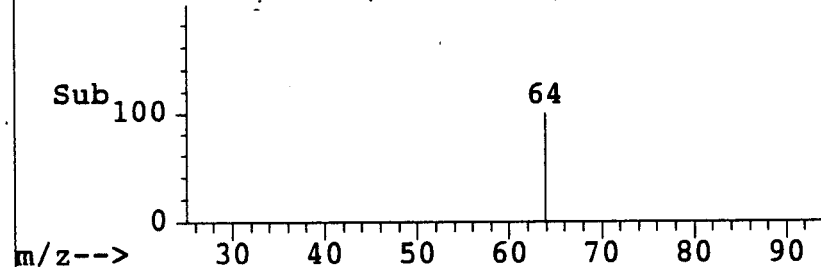
AbundanceScan 137 (2.620 min): J7029.D (-,*)



Abundance Scan 119 (2.679 min): J8406.D (*)



AbundanceScan 119 (2.679 min): J8406.D (-,*)



#6

CHLOROETHANE

Concen: 4.58 PPb m

RT: 2.68 min Scan# 119

Delta R.T. 0.02 min

Lab File: J8406.D

Acq: 26 Oct 96 1:05 am

Tgt Ion:64 Resp: 1990

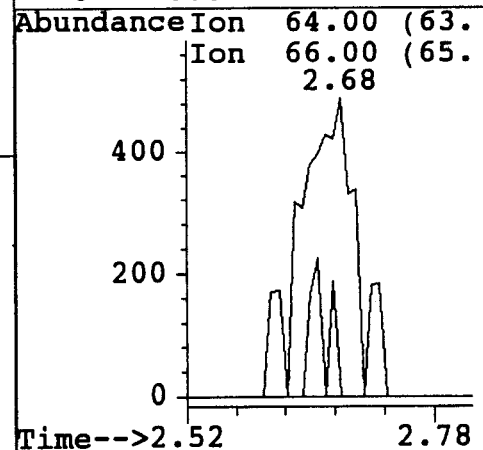
Ion Ratio Lower Upper

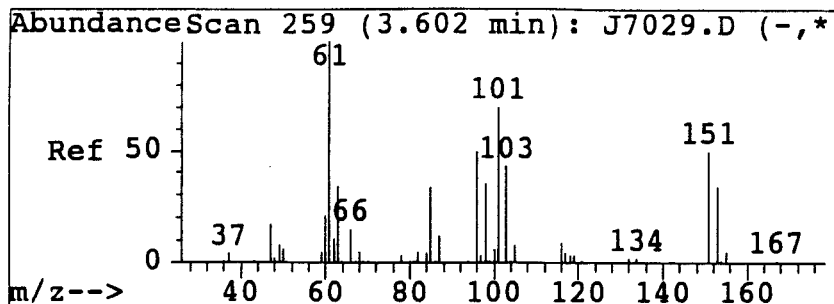
64 100

66 0.0 20.5 30.7#

0 0.0 0.0 0.0

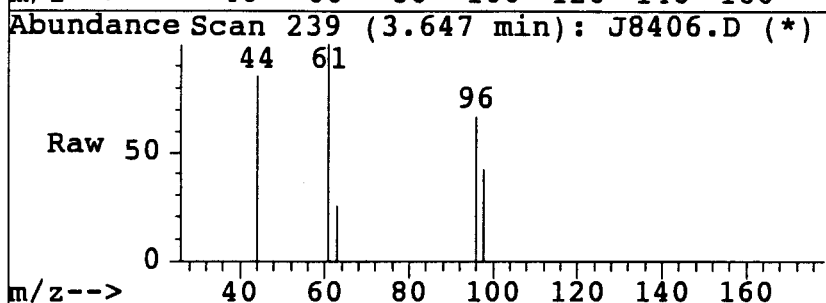
0 0.0 0.0 0.0



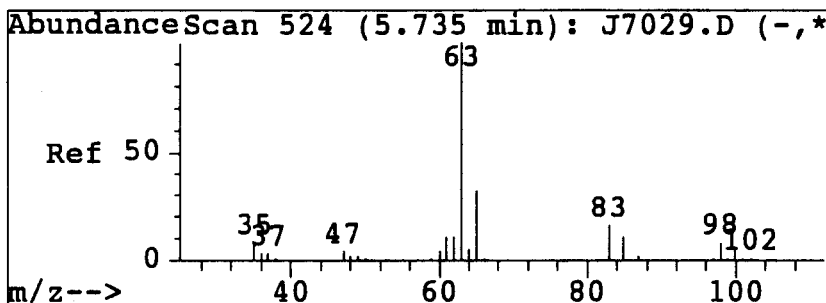
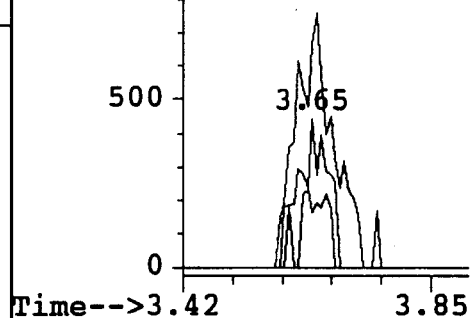
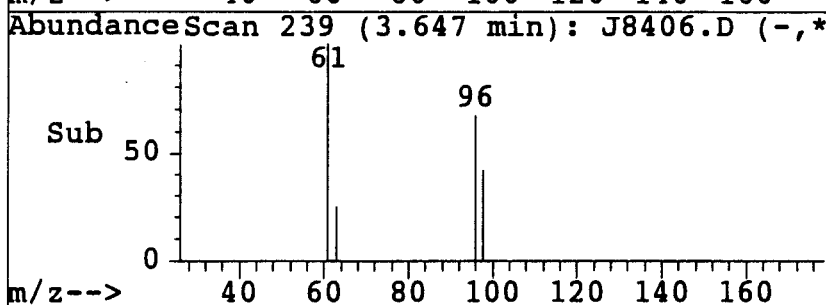


#13
1,1-DICHLOROETHYLENE
Concen: 1.31 PPb m
RT: 3.65 min Scan# 239
Delta R.T. -0.01 min
Lab File: J8406.D
Acq: 26 Oct 96 1:05 am

Tgt Ion:96	Resp:	1600
Ion Ratio	Lower	Upper
96 100		
61 150.0	136.3	204.4
63 37.6	47.7	71.5#
0 0.0	0.0	0.0

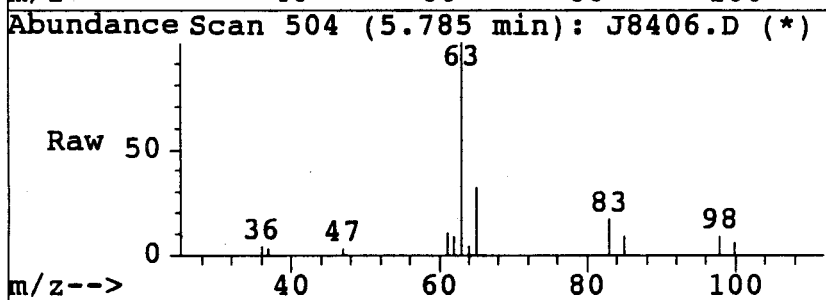


Abundance	Ion	96.00 (95.
1000	Ion	61.00 (60.
	Ion	63.00 (62.

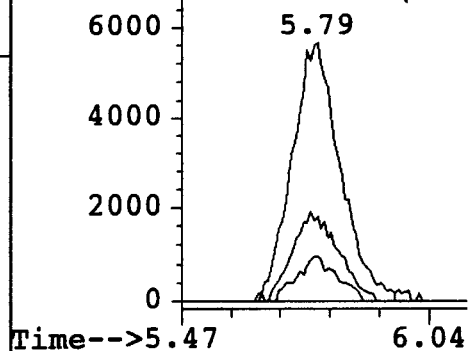
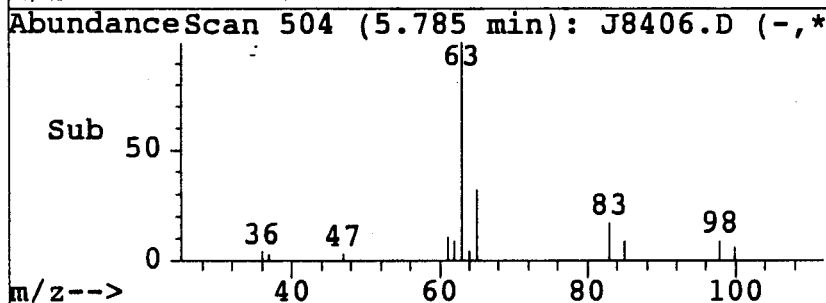


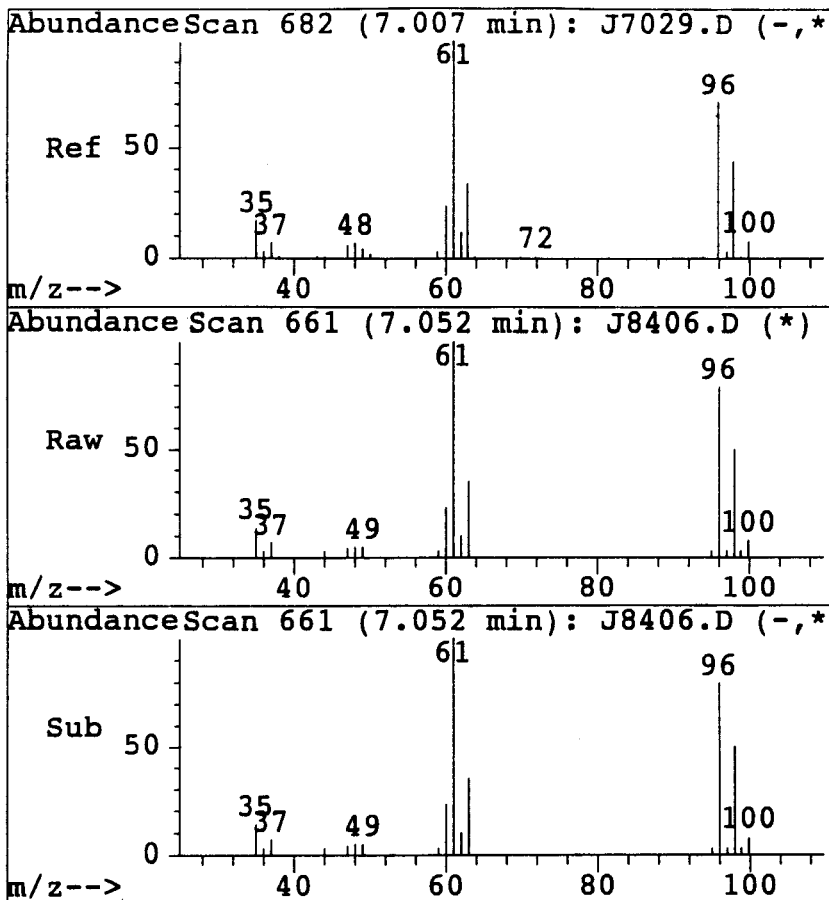
#14
1,1-DICHLOROETHANE
Concen: 14.92 PPb
RT: 5.79 min Scan# 504
Delta R.T. -0.02 min
Lab File: J8406.D
Acq: 26 Oct 96 1:05 am

Tgt Ion:63	Resp:	43643
Ion Ratio	Lower	Upper
63 100		
65 32.6	26.7	40.0
83 17.1	12.8	19.1
0 0.0	0.0	0.0



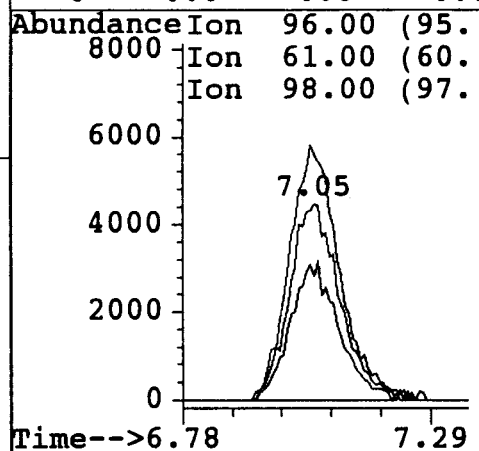
Abundance	Ion	63.00 (62.
	Ion	65.00 (64.
	Ion	83.00 (82.





#22
 cis-1,2-DICHLOROETHYLENE
 Concen: 17.32 PPb
 RT: 7.05 min Scan# 661
 Delta R.T. -0.02 min
 Lab File: J8406.D
 Acq: 26 Oct 96 1:05 am

Tgt Ion:96	Resp:	32560
Ion Ratio	Lower	Upper
96	100	
61	123.9	102.0 152.9
98	61.5	53.1 79.6
0	0.0	0.0 0.0



Report of Analysis

Page 1 of 1

Client Sample ID: TRIP BLANK		Date Sampled: 10/21/96
Lab Sample ID: E15565-5		Date Received: 10/24/96
Matrix: AQ - Trip Blank Water		Percent Solids: n/a
Method: EPA 601/602		
Project: Former Mobil Oil Hangar D, Westchester County Airport		

Run #1	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #2	NP7870.D	1	10/24/96	RMS	n/a	n/a	GNP248

VOA Halogenated List

CAS No.	Compound	Result	RDL	Units	Q
75-25-2	Bromoform	ND	0.20	ug/l	
75-27-4	Bromodichloromethane	ND	0.20	ug/l	
74-83-9	Bromomethane	ND	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	0.20	ug/l	
108-90-7	Chlorobenzene	ND	0.20	ug/l	
75-00-3	Chloroethane	ND	0.20	ug/l	
67-66-3	Chloroform	ND	0.20	ug/l	
74-87-3	Chloromethane	ND	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	0.20	ug/l	
124-48-1	Dibromochloromethane	ND	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	0.20	ug/l	
75-34-3	1,1-Dichloroethane	ND	0.20	ug/l	
107-06-2	1,2-Dichloroethane	ND	0.20	ug/l	
75-35-4	1,1-Dichloroethene	ND	0.20	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	0.20	ug/l	
75-09-2	Methylene chloride	ND	0.20	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.20	ug/l	
127-18-4	Tetrachloroethene	ND	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	0.20	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	0.20	ug/l	
79-01-6	Trichloroethene	ND	0.20	ug/l	
75-69-4	Trichlorofluoromethane	ND	0.20	ug/l	
75-01-4	Vinyl chloride	ND	0.20	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	0.20	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	0.20	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	0.20	ug/l	
156-69-4	cis-1,2-Dichloroethene	ND	0.20	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
98-08-8	aaa-Trifluorotoluene	101 %		75-125 %
462-06-6	Fluorobenzene	100 %		75-125 %
3017-95-6	2-Bromo-1-chloropropane	96 %		75-125 %

ND = Not detected

RDL = Reported Detection Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates that analyte is found in associated method blank

N = Indicates presumptive evidence of a compound

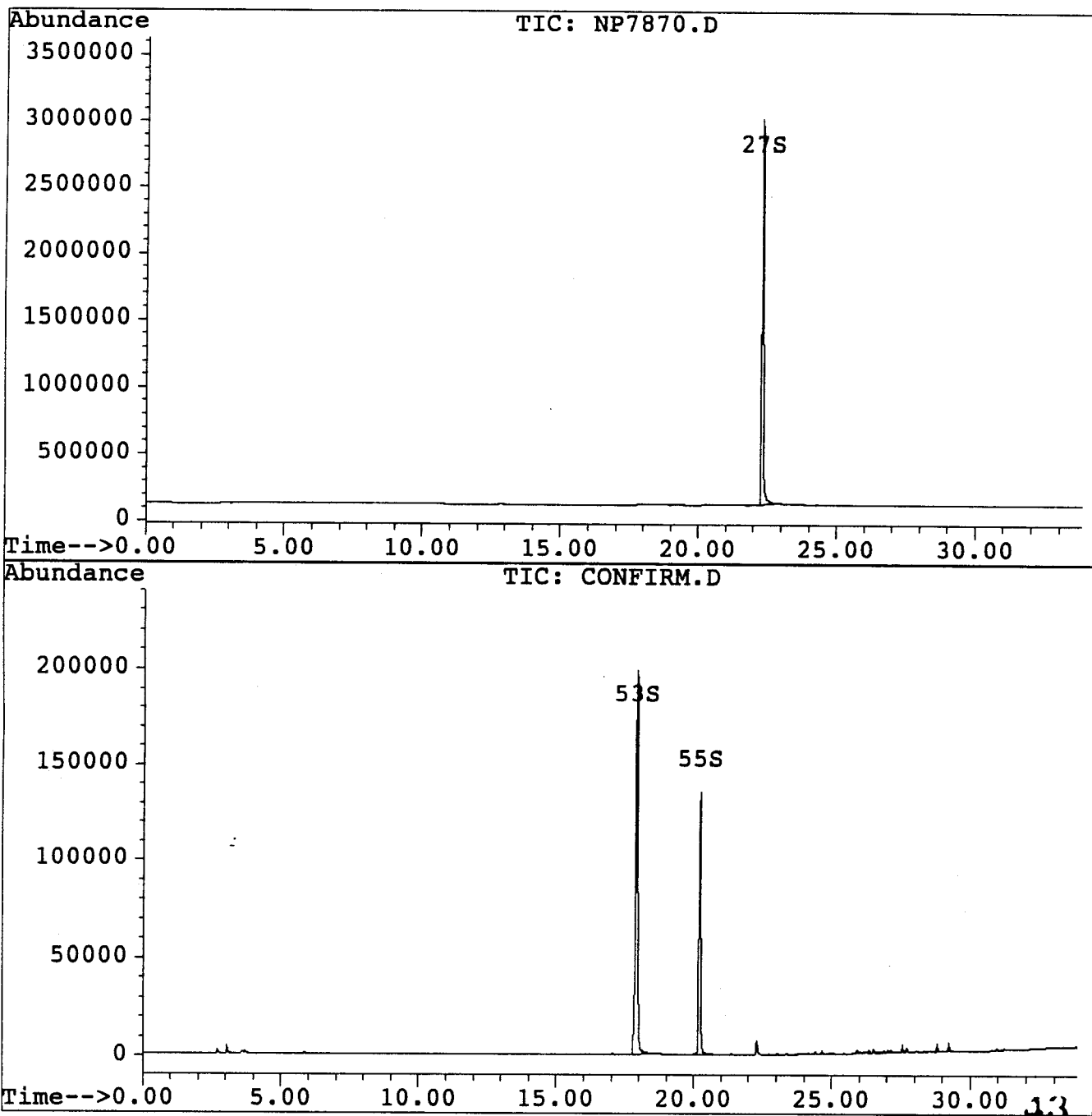
Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\NP7870.D
 Signal #2 : C:\HPCHEM\5\DATA\NP7870.D\CONFIRM.D
 Acq On : 24 Oct 96 07:05 PM
 Sample : E15565-5,V601STD
 Misc : GC3045,GNP248,W,,,,1
 Quant Time: Oct 25 10:56 1996

Vial: 10
 Operator: RMS
 Inst : GC-NP
 Multiplr: 1.00

Method : C:\HPCHEM\5\METHODS\VRX1021.M
 Title : 601/602 BY GC-PID AND GC-ELCD
 Last Update : Wed Oct 23 16:01:48 1996
 Response via : Multiple Level Calibration

Volume Inj. : 5.0 ML PURGE VOLUME
 Signal #1 Phase : (ELCD) J+W DBVRX Signal #2 Phase: (PID) J+W DBVRX 75mX
 Signal #1 Info : Signal #2 Info :



Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\NP7870.D
 Signal #2 : C:\HPCHEM\5\DATA\NP7870.D\CONFIRM.D
 Acq On : 24 Oct 96 07:05 PM
 Sample : E15565-5,V601STD
 Misc : GC3045,GNP248,W,,,,1
 Quant Time: Oct 25 10:56 1996

Vial: 10

Operator: RMS
 Inst : GC-NP
 Multiplr: 1.00

Method : C:\HPCHEM\5\METHODS\VRX1021.M
 Title : 601/602 BY GC-PID AND GC-ELCD
 Last Update : Wed Oct 23 16:01:48 1996
 Response via : Multiple Level Calibration

RMS
10/28/96

Volume Inj. : 5.0 ML PURGE VOLUME
 Signal #1 Phase : (ELCD) J+W DBVRX Signal #2 Phase: (PID) J+W DBVRX 75mX
 Signal #1 Info : Signal #2 Info :

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
27) S 2-Bromo-1-Chloropropane	22.31	103896918	28.909 PPB
		Recovery =	96.36%
53) S Fluorobenzene	17.90	12160576	30.012 PPB
		Recovery =	100.04%
55) S aaa-Trifluorotoluene #2	20.21	5977524	30.184 PPB
		Recovery =	100.61%

Target Compounds

Calibration Table Report
Method: VRX1021.M
Title: 601/602 BY GC-PID AND GC-ELCD
Last Calibration: Mon Oct 21 16:02:33 1996

Calibration Files

Compound	1 NP7801.D	2 NP7802.D	5 NP7803.D	10 NP7804.D	20 NP7805.D	40 NP7806.D	Avg	1RSD
Dichlorodifluoromethane	810.8E+3	803.6E+3	785.4E+3	823.5E+3	880.7E+3	860.3E+3	827.4E+3	4.37
Chloromethane	840.7E+3	726.5E+3	759.4E+3	765.9E+3			773.1E+3	6.24
Vinyl Chloride	2.5E+6	2.5E+6	2.6E+6	2.5E+6	2.3E+6	2.3E+6	2.5E+6	4.48
Bromomethane	1.1E+6	1.2E+6	1.2E+6	1.2E+6	1.3E+6	1.2E+6	1.2E+6	6.68
Chloroethane	1.9E+6	2.0E+6	2.0E+6	2.0E+6	2.2E+6	2.3E+6	2.0E+6	6.85
Trichlorofluoromethane	3.9E+6	3.9E+6	3.9E+6	3.7E+6	3.5E+6	3.4E+6	3.7E+6	5.62
1,1-Dichloroethane	3.4E+6	3.7E+6	3.8E+6	3.6E+6	3.5E+6	3.4E+6	3.6E+6	4.27
Methylene Chloride	5.6E+6	6.1E+6	5.8E+6	5.2E+6	4.8E+6		5.5E+6	9.16
trans-1,2-Dichloroethene	4.2E+6	4.6E+6	4.7E+6	4.3E+6	4.1E+6	3.9E+6	4.3E+6	7.18
1,1-Dichloroethane	4.9E+6	5.1E+6	5.1E+6	5.2E+6	4.7E+6	4.3E+6	4.9E+6	6.80
cis-1,2-Dichloroethene	6.3E+6	7.4E+6	7.2E+6	7.0E+6	6.4E+6	6.1E+6	6.7E+6	7.65
Bromochloromethane	4.0E+6	4.7E+6	4.8E+6	4.9E+6	4.7E+6	4.5E+6	4.6E+6	7.19
Chloroform	8.5E+6	9.8E+6	9.6E+6	9.0E+6	8.4E+6	7.9E+6	8.9E+6	8.29
2,2-Dichloropropane	8.5E+6	8.6E+6	8.8E+6	7.7E+6	7.7E+6		8.3E+6	6.29
1,2-Dichloroethane	5.1E+6	6.0E+6	6.0E+6	5.9E+6	5.7E+6	5.4E+6	5.7E+6	6.34
1,1,1-Trichloroethane	9.9E+6	10.1E+6	9.3E+6	8.8E+6	7.9E+6		9.2E+6	9.72
1,1-Dichloropropene	5.9E+6	6.7E+6	6.6E+6	6.3E+6	5.9E+6	5.5E+6	6.2E+6	7.16
Carbon Tetrachloride	11.0E+6	10.7E+6	11.4E+6	10.2E+6	9.3E+6		10.5E+6	7.87
Dibromomethane	2.8E+6	2.6E+6	3.0E+6	3.1E+6	3.0E+6	2.9E+6	2.9E+6	5.43
1,2-Dichloropropane	5.9E+6	6.8E+6	6.7E+6	6.4E+6	5.8E+6	5.6E+6	6.2E+6	7.93
Trichloroethene	7.8E+6	8.6E+6	8.2E+6	7.9E+6	7.2E+6	6.8E+6	7.8E+6	8.28
Bromodichloromethane	7.9E+6	8.7E+6	8.3E+6	7.4E+6	7.2E+6		7.9E+6	7.69
2-Chloroethylvinyl ether	876.9E+3	827.7E+3	849.0E+3	900.4E+3	918.1E+3	983.1E+3	892.5E+3	6.19
cis-1,3-Dichloropropene	6.0E+6	6.7E+6	6.4E+6	6.0E+6	5.5E+6	5.2E+6	6.0E+6	9.18
trans-1,3-Dichloropropene	4.0E+6	5.1E+6	5.0E+6	4.9E+6	4.6E+6	4.4E+6	4.7E+6	9.09
1,1,2-Trichloroethane	6.1E+6	6.9E+6	6.6E+6	6.1E+6	5.8E+6	5.3E+6	6.1E+6	9.27
2-Bromo-1-Chloropropane	3.4E+6	3.4E+6	3.5E+6	3.6E+6	3.8E+6	3.8E+6	3.6E+6	5.48
1,3-Dichloropropane	5.3E+6	5.5E+6	5.9E+6	5.2E+6	4.8E+6		5.4E+6	7.54
Dibromochloromethane	3.9E+6	4.4E+6	4.4E+6	4.2E+6	4.0E+6	3.8E+6	4.1E+6	6.28
1,2-Dibromoethane	2.1E+6	2.6E+6	2.6E+6	2.5E+6	2.4E+6	2.4E+6	2.4E+6	6.92
Tetrachloroethene	8.3E+6	8.8E+6	8.4E+6	7.5E+6	6.9E+6		8.0E+6	9.37
1,1,1,2-Tetrachloroethane	7.2E+6	8.0E+6	7.7E+6	7.2E+6	6.7E+6	6.2E+6	7.2E+6	9.37
Chlorobenzene	3.7E+6	3.9E+6	3.5E+6	3.4E+6	3.0E+6		3.5E+6	9.06
Bromoform	2.1E+6	2.5E+6	2.5E+6	2.6E+6	2.4E+6	2.4E+6	2.4E+6	6.70
1,1,2,2-Tetrachloroethane	3.9E+6	4.3E+6	4.1E+6	4.1E+6	3.8E+6	3.5E+6	4.0E+6	6.92
1,2,3-Trichloropropane	3.6E+6	3.8E+6	3.4E+6	3.3E+6	3.0E+6		3.4E+6	8.52
Bromobenzene	1.9E+6	2.2E+6	2.2E+6	2.1E+6	2.1E+6	2.0E+6	2.1E+6	4.53
2-Chlorotoluene	2.3E+6	2.7E+6	2.6E+6	2.6E+6	2.4E+6	2.4E+6	2.5E+6	6.48
4-Chlorotoluene	3.0E+6	3.2E+6	3.0E+6	2.8E+6	2.6E+6		2.9E+6	8.48
1,3-Dichlorobenzene	3.8E+6	4.3E+6	4.2E+6	3.9E+6	3.8E+6	3.5E+6	3.9E+6	7.33
1,4-Dichlorobenzene	4.8E+6	5.3E+6	5.1E+6	4.5E+6	4.3E+6		4.8E+6	8.49
1,2-Dichlorobenzene	4.6E+6	4.9E+6	4.8E+6	4.3E+6	4.2E+6	3.8E+6	4.5E+6	9.51
1,2-Dibromomono-3-chloropropane	851.7E+3	932.3E+3	1.0E+6	1.0E+6	1.0E+6	1.1E+6	985.5E+3	7.94
1,2,4-Trichlorobenzene	5.1E+6	5.1E+6	4.8E+6	4.7E+6	4.4E+6	4.2E+6	4.7E+6	8.19
Hexachlorobutadiene	7.7E+6	8.4E+6	7.8E+6	7.3E+6	6.8E+6	6.4E+6	7.4E+6	9.89
1,2,3-Trichlorobenzene	6.0E+6	5.9E+6	6.0E+6	5.3E+6	5.1E+6		5.6E+6	7.09
Signal #2							000.0E+0	0.00
tert-Butyl Alcohol	1.0E+3	1.0E+3	1.1E+3	1.0E+3	1.2E+3	1.0E+3	1.1E+3	6.45
trans-1,2-Dichloroethene	353.4E+3	388.0E+3	398.1E+3	394.0E+3	397.9E+3	397.1E+3	388.1E+3	4.48
cis-1,2-Dichloroethene	282.2E+3	307.3E+3	309.6E+3	308.4E+3	308.5E+3	305.7E+3	303.6E+3	3.49
1,1-Dichloropropene	232.0E+3	253.6E+3	252.9E+3	250.1E+3	254.9E+3	254.1E+3	249.6E+3	3.52
Benzene	600.1E+3	652.8E+3	647.4E+3	638.2E+3	647.1E+3	644.8E+3	638.4E+3	3.03
Fluorobenzene	389.7E+3	391.3E+3	399.5E+3	402.8E+3	426.8E+3	421.0E+3	405.2E+3	3.80
Trichloroethene	342.2E+3	368.3E+3	368.2E+3	364.1E+3	362.8E+3	364.1E+3	361.6E+3	2.71
aaa-Trifluorotoluene #2	192.9E+3	191.3E+3	197.6E+3	197.7E+3	205.5E+3	203.2E+3	198.0E+3	2.80
cis-1,3-Dichloropropene	142.2E+3	153.9E+3	154.7E+3	152.0E+3	155.2E+3	154.7E+3	152.1E+3	3.29
trans-1,3-Dichloropropene	177.6E+3	201.2E+3	198.5E+3	194.5E+3	201.3E+3	199.9E+3	195.5E+3	4.67
Toluene	641.7E+3	667.4E+3	633.3E+3	616.2E+3	609.8E+3	597.2E+3	627.6E+3	4.02
Tetrachloroethene	273.1E+3	292.0E+3	289.0E+3	281.9E+3	286.0E+3	285.4E+3	284.6E+3	2.32
Chlorobenzene	599.2E+3	648.2E+3	642.1E+3	621.2E+3	626.7E+3	623.4E+3	626.8E+3	2.76
Ethylbenzene	520.1E+3	563.9E+3	560.2E+3	538.6E+3	543.9E+3	541.5E+3	544.7E+3	2.92
m,p-Xylene	637.0E+3	685.1E+3	674.2E+3	643.5E+3	648.2E+3	635.8E+3	653.9E+3	3.16
Styrene	626.7E+3	674.0E+3	671.3E+3	647.8E+3	655.6E+3	653.7E+3	654.8E+3	2.63
o-Xylene	525.4E+3	569.0E+3	557.4E+3	535.1E+3	536.2E+3	526.9E+3	541.7E+3	3.25
Isopropylbenzene	438.6E+3	468.7E+3	465.0E+3	449.0E+3	453.7E+3	450.1E+3	454.2E+3	2.44
Bromobenzene	601.5E+3	649.3E+3	643.3E+3	623.4E+3	630.5E+3	630.8E+3	629.8E+3	2.67
n-Propylbenzene	479.3E+3	518.4E+3	516.2E+3	497.5E+3	501.0E+3	498.9E+3	501.9E+3	2.84
2-Chlorotoluene	558.7E+3	595.4E+3	583.9E+3	558.9E+3	559.6E+3	554.8E+3	568.6E+3	2.96
4-Chlorotoluene	600.6E+3	635.5E+3	623.0E+3	595.8E+3	597.3E+3	592.8E+3	607.5E+3	2.88
1,3,5-Trimethylbenzene	730.7E+3	786.0E+3	773.7E+3	740.2E+3	738.5E+3	733.9E+3	750.5E+3	3.11
tert-Butylbenzene	414.0E+3	433.8E+3	430.2E+3	412.5E+3	412.9E+3	410.2E+3	418.9E+3	2.45
1,2,4-Trimethylbenzene	564.2E+3	598.3E+3	588.2E+3	561.6E+3	560.1E+3	558.9E+3	571.9E+3	2.96
sec-Butylbenzene	400.1E+3	426.0E+3	424.5E+3	409.7E+3	410.2E+3	409.2E+3	413.3E+3	2.42
1,3-Dichlorobenzene	563.4E+3	601.4E+3	593.7E+3	571.0E+3	578.4E+3	579.8E+3	581.3E+3	2.43
1,4-Dichlorobenzene	513.1E+3	548.1E+3	541.6E+3	522.9E+3	529.6E+3	531.1E+3	531.1E+3	2.37
p-Isopropyltoluene	457.8E+3	483.6E+3	478.8E+3	452.3E+3	451.4E+3	450.1E+3	462.4E+3	3.23
1,2-Dichlorobenzene	439.9E+3	468.1E+3	465.6E+3	449.2E+3	455.4E+3	457.0E+3	455.9E+3	2.30
n-Butylbenzene	472.3E+3	498.7E+3	495.2E+3	470.5E+3	471.5E+3	473.5E+3	480.3E+3	2.71
1,2,4-Trichlorobenzene	330.8E+3	353.6E+3	344.7E+3	333.8E+3	336.8E+3	344.2E+3	340.7E+3	2.47
Naphthalene	403.5E+3	386.7E+3	372.2E+3	372.4E+3	378.1E+3	381.7E+3	382.4E+3	3.06

Hexachlorobutadiene	271.4E+3	295.1E+3	293.0E+3	278.9E+3	280.7E+3	282.0E+3	283.5E+3	3.17
1,2,3-Trichlorobenzene	318.4E+3	342.7E+3	343.2E+3	333.3E+3	335.1E+3	339.7E+3	335.4E+3	2.75
Methyl tert butyl ether	158.4E+3	171.9E+3	178.7E+3	179.4E+3	183.2E+3	181.4E+3	175.5E+3	5.24
2-Chloroethylvinyl ether	85.5E+3	89.0E+3	88.9E+3	101.2E+3	103.3E+3		93.6E+3	8.64

Tue Oct 22 10:53:20 1996

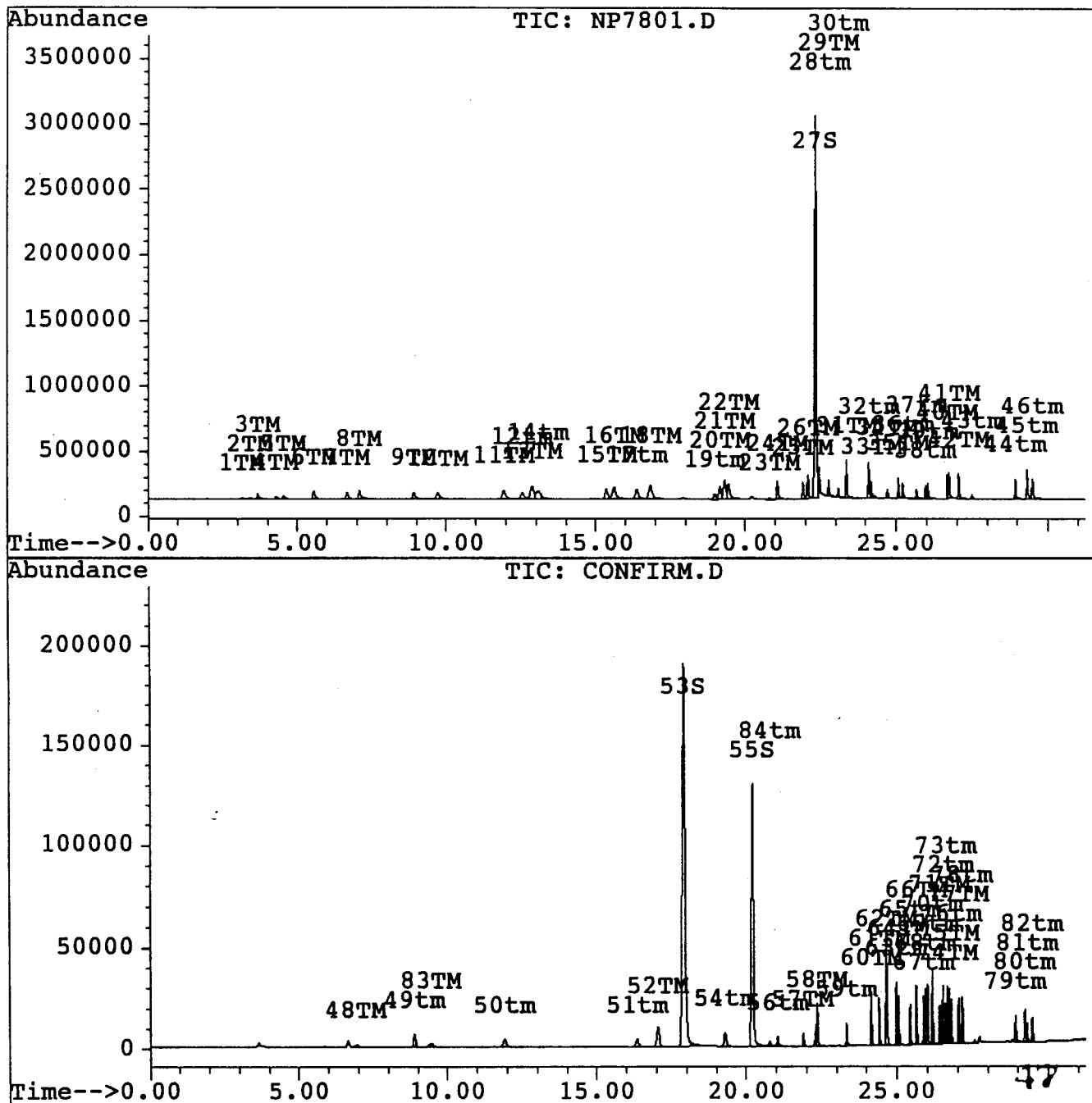
Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\NP7801.D
 Signal #2 : C:\HPCHEM\5\DATA\NP7801.D\CONFIRM.D
 Acq On : 21 Oct 96 10:50 AM
 Sample : lppb STD.
 Misc : GNP247,W,,,,,1
 Quant Time: Oct 21 15:51 1996

Vial: 1
 Operator: RMS
 Inst : GC-NP
 Multiplr: 1.00

Method : C:\HPCHEM\5\METHODS\VRX1021.M
 Title : 601/602 BY GC-PID AND GC-ELCD
 Last Update : Mon Oct 21 16:02:33 1996
 Response via : Multiple Level Calibration

Volume Inj. : 5.0 ML PURGE VOLUME
 Signal #1 Phase : (ELCD) J+W DBVRX Signal #2 Phase: (PID) J+W DBVRX 75mX
 Signal #1 Info : Signal #2 Info :



Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\NP7801.D
Signal #2 : C:\HPCHEM\5\DATA\NP7801.D\CONFIRM.D
Acq On : 21 Oct 96 10:50 AM
Sample : lppb STD.
Misc : GNP247,W,,,,1
Quant Time: Oct 21 15:51 1996

Vial: 1
Operator: RMS
Inst : GC-NP
Multiplr: 1.00

Method : C:\HPCHEM\5\METHODS\VRX1021.M
Title : 601/602 BY GC-PID AND GC-ELCD
Last Update : Mon Oct 21 16:02:33 1996
Response via : Multiple Level Calibration

Volume Inj. : 5.0 ML PURGE VOLUME
Signal #1 Phase : (ELCD) J+W DBVRX Signal #2 Phase: (PID) J+W DBVRX 75mX
Signal #1 Info : Signal #2 Info :

Compound		R.T.	Response	Conc	Units

System Monitoring Compounds					
27)	S 2-Bromo-1-Chloropropane	22.31	100571795	27.918	PPB
			Recovery =	93.06%	
53)	S Fluorobenzene	17.91	11690921	28.441	PPB
			Recovery =	94.80%	
55)	S aaa-Trifluorotoluene #2	20.22	5788245	28.802	PPB
			Recovery =	96.01%	
Target Compounds					
1)	TM Dichlorodifluoromethane	3.15	810816	0.662	PPB m
2)	TM Chloromethane	3.41	840715	1.124	PPB
3)	TM Vinyl Chloride	3.67	2509751	0.946	PPB
4)	TM Bromomethane	4.27	1079701	0.823	PPB m
5)	TM Chloroethane	4.53	1931382	0.855	PPB
6)	TM Trichlorofluoromethane	5.55	3885065	1.007	PPB
7)	TM 1,1-Dichloroethene	6.67	3359488	0.932	PPB
8)	TM Methylene Chloride	7.08	5583137	1.002	PPB
9)	TM trans-1,2-Dichloroethene	8.91	4152628	0.961	PPB
10)	TM 1,1-Dichloroethane	9.72	4885587	0.945	PPB
11)	TM cis-1,2-Dichloroethene	11.94	6318889	1.369	PPB
12)	tm Bromochloromethane	12.54	3978421	1.122	PPB
13)	TM Chloroform	12.87	8519632	1.072	PPB
14)	tm 2,2-Dichloropropane	13.08	8529985	1.112	PPB m
15)	TM 1,2-Dichloroethane	15.36	5136678	0.905	PPB
16)	TM 1,1,1-Trichloroethane	15.62	9856818	1.074	PPB
17)	tm 1,1-Dichloropropene	16.37	5943060	0.940	PPB
18)	TM Carbon Tetrachloride	16.84	10980244	1.014	PPB
19)	tm Dibromomethane	18.97	2758447	0.972	PPB m
20)	TM 1,2-Dichloropropane	19.16	5867571	0.955	PPB
21)	TM Trichloroethene	19.32f	7774808	0.997	PPB
22)	TM Bromodichloromethane	19.44f	7942254	0.995	PPB m
23)	TM 2-Chloroethylvinyl ether	20.80	876916	1.088	PPB m
24)	TM cis-1,3-Dichloropropene	21.08	5973634	1.000	PPB
25)	TM trans-1,3-Dichloropropene	21.90	3997822	0.871	PPB
26)	TM 1,1,2-Trichloroethane	22.08	6103091	1.013	PPB
28)	tm 1,3-Dichloropropane	22.46	5329397	1.020	PPB m
29)	TM Dibromochloromethane	22.76	3884617	0.952	PPB m

(f)=RT Delta > 1/2 Window

NP7801.D VRX1021.M

Tue Oct 22 11:22:07 1996

(m)=manual int.

RPT1

Page 1

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\NP7801.D
Signal #2 : C:\HPCHEM\5\DATA\NP7801.D\CONFIRM.D
Acq On : 21 Oct 96 10:50 AM
Sample : lppb STD.
Misc : GNP247,W,,,,,1
Quant Time: Oct 21 15:51 1996

Vial: 1
Operator: RMS
Inst : GC-NP
Multiplr: 1.00

Method : C:\HPCHEM\5\METHODS\VRX1021.M
Title : 601/602 BY GC-PID AND GC-ELCD
Last Update : Mon Oct 21 16:02:33 1996
Response via : Multiple Level Calibration

Volume Inj. : 5.0 ML PURGE VOLUME
Signal #1 Phase : (ELCD) J+W DBVRX Signal #2 Phase: (PID) J+W DBVRX 75mX
Signal #1 Info : Signal #2 Info :

	Compound	R.T.	Response	Conc	Units	
30)	tm 1,2-Dibromoethane	23.09	2122915	0.872	PPB	m
31)	TM Tetrachloroethene	23.35	8263403	1.045	PPB	
32)	tm 1,1,1,2-Tetrachloroethane	24.10	7177902	1.006	PPB	
33)	TM Chlorobenzene	24.18	3668401	1.088	PPB	
34)	TM Bromoform	24.70	2112436	0.891	PPB	
35)	TM 1,1,2,2-Tetrachloroethane	25.07	3913099	1.016	PPB	
36)	tm 1,2,3-Trichloropropane	25.21	3633158	1.139	PPB	
37)	tm Bromobenzene	25.66	1939403	0.939	PPB	
38)	tm 2-Chlorotoluene	25.96	2315632	0.919	PPB	
39)	tm 4-Chlorotoluene	26.04	3032084	1.054	PPB	
40)	TM 1,3-Dichlorobenzene	26.67	3753066	0.965	PPB	
41)	TM 1,4-Dichlorobenzene	26.74	4797970	0.975	PPB	m
42)	TM 1,2-Dichlorobenzene	27.05	4586070	0.987	PPB	m
43)	tm 1,2-Dibromomo-3-chloroprop	27.49	851722	0.861	PPB	m
44)	tm 1,2,4-Trichlorobenzene	28.93	5124252	1.123	PPB	
45)	tm Hexachlorobutadiene	29.31	7697910	1.050	PPB	
46)	tm 1,2,3-Trichlorobenzene	29.48	5964399	1.021	PPB	m
48)	TM tert-Butyl Alcohol	6.91	104469	93.110	PPB	m
49)	tm trans-1,2-Dichloroethene	8.89	353412	0.910	PPB	
50)	tm cis-1,2-Dichloroethene	11.91	282157	1.282	PPB	
51)	tm 1,1-Dichloropropene	16.36	231991	0.922	PPB	
52)	TM Benzene	17.05	600062	0.935	PPB	
54)	tm Trichloroethene	19.30f	342194	0.937	PPB	
56)	tm cis-1,3-Dichloropropene	21.05	142176	0.928	PPB	
57)	TM trans-1,3-Dichloropropene	21.88	177591	0.908	PPB	
58)	TM Toluene	22.35	641706	1.030	PPB	m
59)	tm Tetrachloroethene	23.33	273051	0.956	PPB	
60)	TM Chlorobenzene	24.16	599221	0.951	PPB	
61)	TM Ethylbenzene	24.42	520057	0.944	PPB	
62)	TM m,p-Xylene	24.65	1273953	1.935	PPB	
63)	tm Styrene	24.99	626651	0.946	PPB	
64)	TM o-Xylene	25.06	525422	0.967	PPB	
65)	tm Isopropylbenzene	25.44	438646	0.956	PPB	
66)	TM Bromobenzene	25.64	601470	0.949	PPB	
67)	tm n-Propylbenzene	25.87	479318	0.944	PPB	
68)	tm 2-Chlorotoluene	25.94	558708	0.963	PPB	
69)	tm 4-Chlorotoluene	26.02	600571	0.981	PPB	
70)	tm 1,3,5-Trimethylbenzene	26.16	730681	0.962	PPB	

(f)=RT Delta > 1/2 Window

(m)=manual 19.

NP7801.D VRX1021.M

Tue Oct 22 11:22:20 1996

RPT1

Page 2

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\NP7801.D
Signal #2 : C:\HPCHEM\5\DATA\NP7801.D\CONFIRM.D
Acq On : 21 Oct 96 10:50 AM
Sample : lppb STD.
Misc : GNP247,W,,,,,1
Quant Time: Oct 21 15:51 1996

Vial: 1

Operator: RMS
Inst : GC-NP
Multiplr: 1.00

Method : C:\HPCHEM\5\METHODS\VRX1021.M
Title : 601/602 BY GC-PID AND GC-ELCD
Last Update : Mon Oct 21 16:02:33 1996
Response via : Multiple Level Calibration

Volume Inj. : 5.0 ML PURGE VOLUME
Signal #1 Phase : (ELCD) J+W DBVRX Signal #2 Phase: (PID) J+W DBVRX 75mX
Signal #1 Info : Signal #2 Info :

	Compound	R.T.	Response	Conc Units
71)	TM tert-Butylbenzene	26.40	413961	0.980 PPB
72)	tm 1,2,4-Trimethylbenzene	26.52	564184	0.994 PPB
73)	tm sec-Butylbenzene	26.61	400052	0.961 PPB
74)	TM 1,3-Dichlorobenzene	26.65	563393	0.973 PPB
75)	TM 1,4-Dichlorobenzene	26.72	513112	0.959 PPB
76)	tm p-Isopropyltoluene	26.78	457843	0.989 PPB
77)	TM 1,2-Dichlorobenzene	27.04	439868	0.967 PPB
78)	tm n-Butylbenzene	27.15	472252	0.978 PPB
79)	tm 1,2,4-Trichlorobenzene	28.91	330787	0.982 PPB
80)	tm Naphthalene	29.21	403501	1.106 PPB
81)	tm Hexachlorobutadiene	29.29	271373	0.949 PPB
82)	tm 1,2,3-Trichlorobenzene	29.46	318416	0.953 PPB
83)	TM Methyl tert butyl ether	9.44	158425	0.914 PPB
84)	tm 2-Chloroethylvinyl ether	20.78	85471	0.940 PPB

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\NP7802.D
Signal #2 : C:\HPCHEM\5\DATA\NP7802.D\CONFIRM.D
Acq On : 21 Oct 96 11:30 AM
Sample : 2ppb STD.
Misc : GNP247,W,,,,,1
Quant Time: Oct 21 15:44 1996

Vial: 1

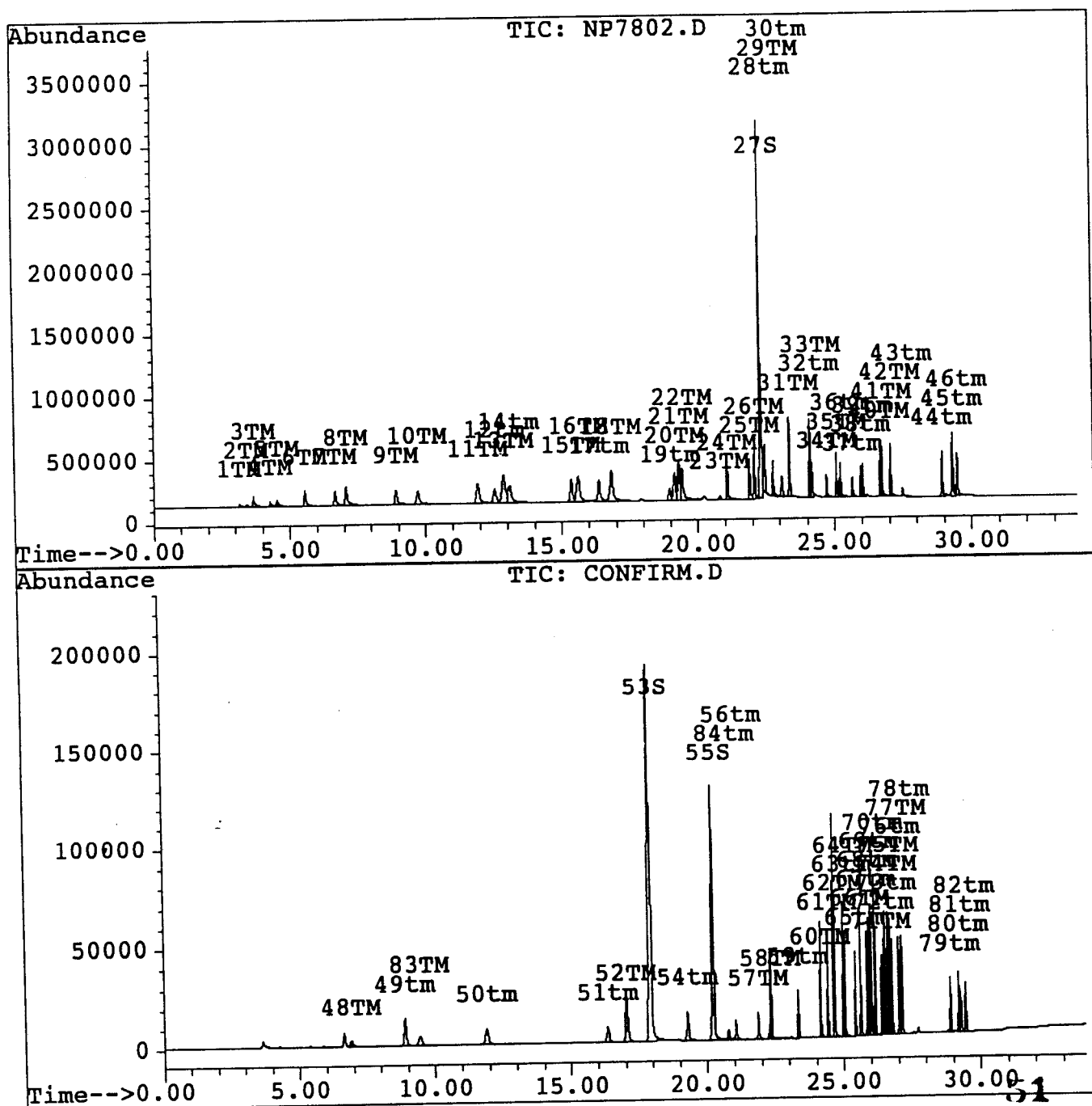
Operator: RMS
Inst : GC-NP
Multiplr: 1.00

Method : C:\HPCHEM\5\METHODS\VRX1021.M
Title : 601/602 BY GC-PID AND GC-ELCD
Last Update : Mon Oct 21 16:02:33 1996
Response via : Multiple Level Calibration

Volume Inj. : 5.0 ML PURGE VOLUME

Signal #1 Phase : (ELCD) J+W DBVRX Signal #2 Phase: (PID) J+W DBVRX 75mX

Signal #1 Info : Signal #2 Info :



Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\NP7802.D
Signal #2 : C:\HPCHEM\5\DATA\NP7802.D\CONFIRM.D
Acq On : 21 Oct 96 11:30 AM
Sample : 2ppb STD.
Misc : GNP247,W,,,,1
Quant Time: Oct 21 15:44 1996

Vial: 1

Operator: RMS
Inst : GC-NP
Multiplr: 1.00

Method : C:\HPCHEM\5\METHODS\VRX1021.M
Title : 601/602 BY GC-PID AND GC-ELCD
Last Update : Mon Oct 21 16:02:33 1996
Response via : Multiple Level Calibration

Volume Inj. : 5.0 ML PURGE VOLUME

Signal #1 Phase : (ELCD) J+W DBVRX Signal #2 Phase: (PID) J+W DBVRX 75mX
Signal #1 Info : Signal #2 Info :

Compound		R.T.	Response	Conc	Units

System Monitoring Compounds					
27) S	2-Bromo-1-Chloropropane	22.31	102290226	28.396	PPB
			Recovery =	94.65%	
53) S	Fluorobenzene	17.91	11738909	28.558	PPB
			Recovery =	95.19%	
55) S	aaa-Trifluorotoluene #2	20.21	5739909	28.562	PPB
			Recovery =	95.21%	
Target Compounds					
1) TM	Dichlorodifluoromethane	3.15	1607176	1.312	PPB m
2) TM	Chloromethane	3.40	1452929	1.943	PPB
3) TM	Vinyl Chloride	3.66	5099651	1.921	PPB
4) TM	Bromomethane	4.28	2331794	1.778	PPB
5) TM	Chloroethane	4.53	3947088	1.747	PPB
6) TM	Trichlorofluoromethane	5.55	7716864	2.000	PPB
7) TM	1,1-Dichloroethene	6.66	7327343	2.033	PPB
8) TM	Methylene Chloride	7.07	12241774	2.196	PPB
9) TM	trans-1,2-Dichloroethene	8.91	9258301	2.143	PPB
10) TM	1,1-Dichloroethane	9.71	10225968	1.979	PPB m
11) TM	cis-1,2-Dichloroethene	11.93	14727060	3.192	PPB
12) tm	Bromochloromethane	12.54	9490239	2.677	PPB
13) TM	Chloroform	12.86	19543152	2.458	PPB
14) tm	2,2-Dichloropropane	13.06	17272172	2.251	PPB m
15) TM	1,2-Dichloroethane	15.35	12035236	2.120	PPB
16) TM	1,1,1-Trichloroethane	15.61	20207126	2.201	PPB
17) tm	1,1-Dichloropropene	16.37	13322805	2.108	PPB
18) TM	Carbon Tetrachloride	16.82	21405152	1.976	PPB m
19) tm	Dibromomethane	18.97	5290478	1.863	PPB
20) TM	1,2-Dichloropropane	19.15	13546663	2.206	PPB
21) TM	Trichloroethene	19.31	17204770	2.207	PPB
22) TM	Bromodichloromethane	19.43	17371151	2.176	PPB m
23) TM	2-Chloroethylvinyl ether	20.80	1655400	2.054	PPB m
24) TM	cis-1,3-Dichloropropene	21.07	13404876	2.244	PPB
25) TM	trans-1,3-Dichloropropene	21.90	10162771	2.213	PPB
26) TM	1,1,2-Trichloroethane	22.08	13803227	2.291	PPB
28) tm	1,3-Dichloropropane	22.46	10999719	2.106	PPB m
29) TM	Dibromochloromethane	22.76	8725875	2.139	PPB m

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\NP7802.D
Signal #2 : C:\HPCHEM\5\DATA\NP7802.D\CONFIRM.D
Acq On : 21 Oct 96 11:30 AM
Sample : 2ppb STD.
Misc : GNP247,W,,,,1
Quant Time: Oct 21 15:44 1996

Vial: 1

Operator: RMS
Inst : GC-NP
Multiplr: 1.00

Method : C:\HPCHEM\5\METHODS\VRX1021.M
Title : 601/602 BY GC-PID AND GC-ELCD
Last Update : Mon Oct 21 16:02:33 1996
Response via : Multiple Level Calibration

Volume Inj. : 5.0 ML PURGE VOLUME

Signal #1 Phase : (ELCD) J+W DBVRX Signal #2 Phase: (PID) J+W DBVRX 75mX
Signal #1 Info : Signal #2 Info :

	Compound	R.T.	Response	Conc	Units
30)	tm 1,2-Dibromoethane	23.09	5101698	2.096	PPB m
31)	TM Tetrachloroethene	23.35	17597210	2.224	PPB
32)	tm 1,1,1,2-Tetrachloroethane	24.09	16028759	2.246	PPB
33)	TM Chlorobenzene	24.17	7710657	2.286	PPB
34)	TM Bromoform	24.70	4967620	2.096	PPB
35)	TM 1,1,2,2-Tetrachloroethane	25.07	8644919	2.243	PPB
36)	tm 1,2,3-Trichloropropane	25.21	7577106	2.376	PPB
37)	tm Bromobenzene	25.66	4331174	2.096	PPB
38)	tm 2-Chlorotoluene	25.96	5419049	2.151	PPB
39)	tm 4-Chlorotoluene	26.03	6467992	2.248	PPB
40)	TM 1,3-Dichlorobenzene	26.67	8524329	2.191	PPB
41)	TM 1,4-Dichlorobenzene	26.73	10609375	2.157	PPB m
42)	TM 1,2-Dichlorobenzene	27.05	9868872	2.124	PPB m
43)	tm 1,2-Dibromomo-3-chloroprop	27.49	1864537	1.885	PPB m
44)	tm 1,2,4-Trichlorobenzene	28.93	10173637	2.230	PPB
45)	tm Hexachlorobutadiene	29.31	16818629	2.294	PPB
46)	tm 1,2,3-Trichlorobenzene	29.48	11736327	2.008	PPB m
48)	TM tert-Butyl Alcohol	6.91	200256	178.482	PPB
49)	tm trans-1,2-Dichloroethene	8.88	776046	1.999	PPB
50)	tm cis-1,2-Dichloroethene	11.90	614589	2.792	PPB
51)	tm 1,1-Dichloropropene	16.35	507151	2.016	PPB
52)	TM Benzene	17.04	1305594	2.033	PPB
54)	tm Trichloroethene	19.29	736564	2.016	PPB
56)	tm cis-1,3-Dichloropropene	21.05	307824	2.008	PPB
57)	TM trans-1,3-Dichloropropene	21.88	402465	2.058	PPB
58)	TM Toluene	22.35	1334873	2.142	PPB m
59)	tm Tetrachloroethene	23.33	583962	2.045	PPB
60)	TM Chlorobenzene	24.15	1296422	2.058	PPB
61)	TM Ethylbenzene	24.42	1127821	2.048	PPB
62)	TM m,p-Xylene	24.65	2740375	4.163	PPB
63)	tm Styrene	24.98	1347975	2.034	PPB
64)	TM o-Xylene	25.05	1137948	2.095	PPB
65)	tm Isopropylbenzene	25.44	937489	2.043	PPB
66)	TM Bromobenzene	25.63	1298563	2.049	PPB
67)	tm n-Propylbenzene	25.87	1036883	2.042	PPB
68)	tm 2-Chlorotoluene	25.94	1190734	2.051	PPB
69)	tm 4-Chlorotoluene	26.01	1270983	2.075	PPB
70)	tm 1,3,5-Trimethylbenzene	26.16	1571956	2.071	PPB

(f)=RT Delta > 1/2 Window

NP7802.D VRX1021.M

Tue Oct 22 11:24:23 1996

(m)=manual int.

RPT1

Page 2

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\NP7802.D
Signal #2 : C:\HPCHEM\5\DATA\NP7802.D\CONFIRM.D
Acq On : 21 Oct 96 11:30 AM
Sample : 2ppb STD.
Misc : GNP247,W,,,,1
Quant Time: Oct 21 15:44 1996

Vial: 1

Operator: RMS
Inst : GC-NP
Multiplr: 1.00

Method : C:\HPCHEM\5\METHODS\VRX1021.M
Title : 601/602 BY GC-PID AND GC-ELCD
Last Update : Mon Oct 21 16:02:33 1996
Response via : Multiple Level Calibration

Volume Inj. : 5.0 ML PURGE VOLUME

Signal #1 Phase : (ELCD) J+W DBVRX Signal #2 Phase: (PID) J+W DBVRX 75mX
Signal #1 Info : Signal #2 Info :

	Compound	R.T.	Response	Conc Units
71)	TM tert-Butylbenzene	26.40	867652	2.055 PPB
72)	tm 1,2,4-Trimethylbenzene	26.51	1196690	2.109 PPB
73)	tm sec-Butylbenzene	26.60	851973	2.047 PPB
74)	TM 1,3-Dichlorobenzene	26.65	1202752	2.078 PPB
75)	TM 1,4-Dichlorobenzene	26.72	1096203	2.049 PPB
76)	tm p-Isopropyltoluene	26.78	967271	2.089 PPB
77)	TM 1,2-Dichlorobenzene	27.04	936272	2.058 PPB
78)	tm n-Butylbenzene	27.15	997342	2.065 PPB
79)	tm 1,2,4-Trichlorobenzene	28.91	707136	2.100 PPB
80)	tm Naphthalene	29.21	773397	2.120 PPB
81)	tm Hexachlorobutadiene	29.29	590127	2.064 PPB
82)	tm 1,2,3-Trichlorobenzene	29.46	685311	2.051 PPB
83)	TM Methyl tert butyl ether	9.44	343877	1.983 PPB
84)	tm 2-Chloroethylvinyl ether	20.78	177972	1.957 PPB

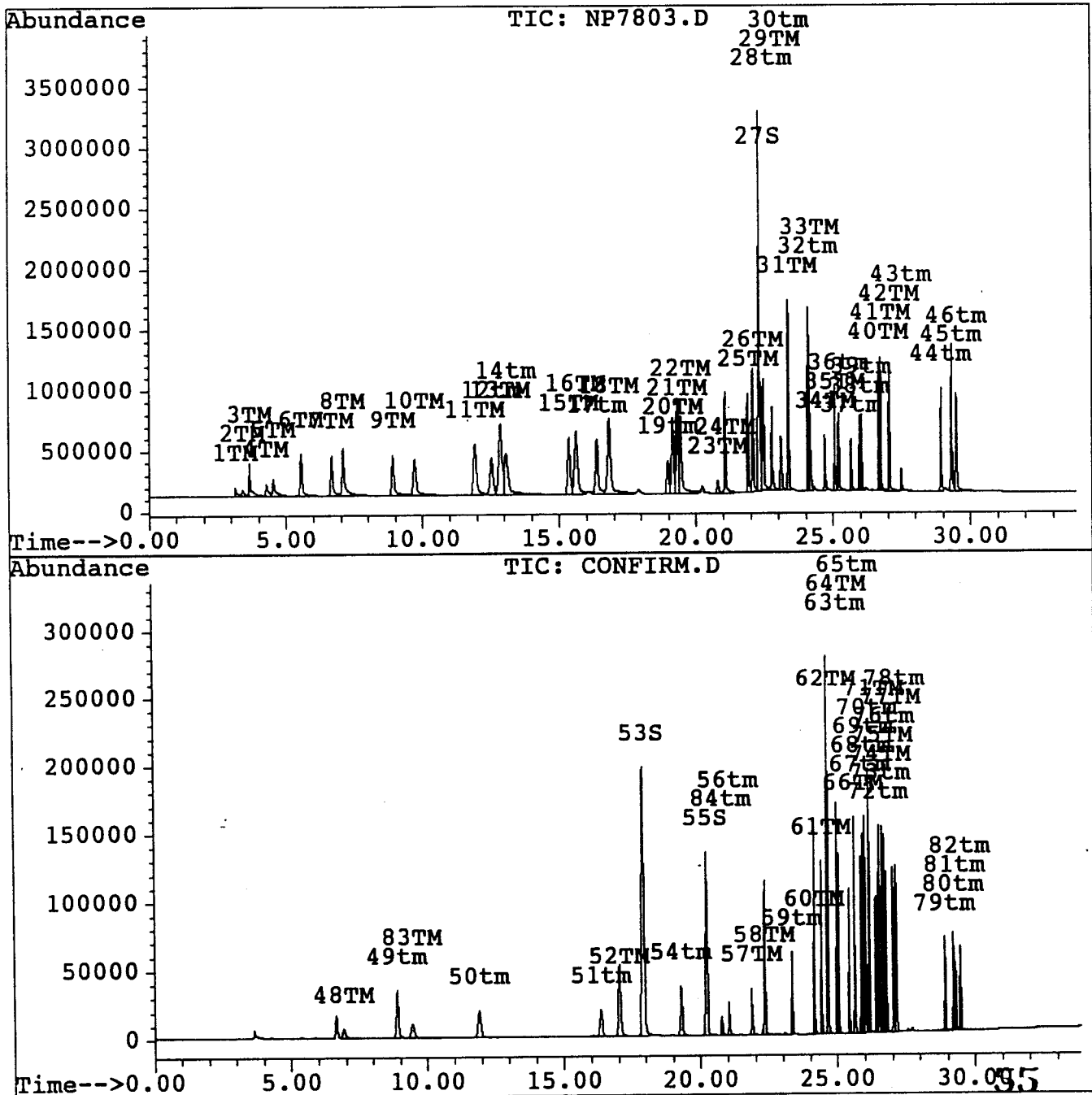
Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\NP7803.D
 Signal #2 : C:\HPCHEM\5\DATA\NP7803.D\CONFIRM.D
 Acq On : 21 Oct 96 12:14 PM
 Sample : 5ppb STD.
 Misc : GNP247,W,,,,,1
 Quant Time: Oct 21 15:49 1996

Vial: 1
 Operator: RMS
 Inst : GC-NP
 Multiplr: 1.00

Method : C:\HPCHEM\5\METHODS\VRX1021.M
 Title : 601/602 BY GC-PID AND GC-ELCD
 Last Update : Mon Oct 21 16:02:33 1996
 Response via : Multiple Level Calibration

Volume Inj. : 5.0 ML PURGE VOLUME
 Signal #1 Phase : (ELCD) J+W DBVRX Signal #2 Phase: (PID) J+W DBVRX 75mX
 Signal #1 Info : Signal #2 Info :



Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\NP7803.D
Signal #2 : C:\HPCHEM\5\DATA\NP7803.D\CONFIRM.D
Acq On : 21 Oct 96 12:14 PM
Sample : 5ppb STD.
Misc : GNP247,W,,,,1
Quant Time: Oct 21 15:49 1996

Vial: 1

Operator: RMS
Inst : GC-NP
Multiplr: 1.00

Method : C:\HPCHEM\5\METHODS\VRX1021.M
Title : 601/602 BY GC-PID AND GC-ELCD
Last Update : Mon Oct 21 16:02:33 1996
Response via : Multiple Level Calibration

Volume Inj. : 5.0 ML PURGE VOLUME

Signal #1 Phase : (ELCD) J+W DBVRX Signal #2 Phase: (PID) J+W DBVRX 75mX
Signal #1 Info : Signal #2 Info :

Compound		R.T.	Response	Conc Units

System Monitoring Compounds				
27) S	2-Bromo-1-Chloropropane	22.31	106448218	29.550 PPB
			Recovery =	98.50%
53) S	Fluorobenzene	17.91	11985656	29.158 PPB
			Recovery =	97.19%
55) S	aaa-Trifluorotoluene #2	20.22	5927313	29.494 PPB
			Recovery =	98.31%
Target Compounds				
1) TM	Dichlorodifluoromethane	3.15	3926942	3.206 PPB
2) TM	Chloromethane	3.40	3797057	5.076 PPB
3) TM	Vinyl Chloride	3.66	13035039	4.911 PPB
4) TM	Bromomethane	4.27	5953154	4.538 PPB
5) TM	Chloroethane	4.52	9871938	4.370 PPB
6) TM	Trichlorofluoromethane	5.54	19577483	5.073 PPB
7) TM	1,1-Dichloroethene	6.66	18777774	5.210 PPB
8) TM	Methylene Chloride	7.07	29122980	5.225 PPB
9) TM	trans-1,2-Dichloroethene	8.90	23354097	5.405 PPB
10) TM	1,1-Dichloroethane	9.71	25665460	4.966 PPB m
11) TM	cis-1,2-Dichloroethene	11.93	35896778	7.779 PPB
12) tm	Bromochloromethane	12.54	24092245	6.795 PPB
13) TM	Chloroform	12.86	48137386	6.055 PPB
14) tm	2,2-Dichloropropane	13.07	44043556	5.741 PPB
15) TM	1,2-Dichloroethane	15.35	30124865	5.307 PPB
16) TM	1,1,1-Trichloroethane	15.61	46710625	5.088 PPB
17) tm	1,1-Dichloropropene	16.37	33181182	5.250 PPB
18) TM	Carbon Tetrachloride	16.83	57126552	5.273 PPB
19) tm	Dibromomethane	18.97	14757588	5.198 PPB
20) TM	1,2-Dichloropropane	19.16	33531347	5.460 PPB
21) TM	Trichloroethene	19.32	41128364	5.275 PPB
22) TM	Bromodichloromethane	19.44	41325803	5.177 PPB m
23) TM	2-Chloroethylvinyl ether	20.80	4244813	5.268 PPB
24) TM	cis-1,3-Dichloropropene	21.07	31913627	5.343 PPB
25) TM	trans-1,3-Dichloropropene	21.90	25107264	5.468 PPB
26) TM	1,1,2-Trichloroethane	22.08	32752988	5.437 PPB
28) tm	1,3-Dichloropropane	22.46	29530863	5.654 PPB m
29) TM	Dibromochloromethane	22.76	22103321	5.417 PPB

(f)=RT Delta > 1/2 Window

NP7803.D VRX1021.M

Tue Oct 22 11:25:53 1996

(m)=manual int.

RPT1

Page 1

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\NP7803.D
 Signal #2 : C:\HPCHEM\5\DATA\NP7803.D\CONFIRM.D
 Acq On : 21 Oct 96 12:14 PM
 Sample : 5ppb STD.
 Misc : GNP247,W,,,,1
 Quant Time: Oct 21 15:49 1996

Vial: 1
 Operator: RMS
 Inst : GC-NP
 Multiplr: 1.00

Method : C:\HPCHEM\5\METHODS\VRX1021.M
 Title : 601/602 BY GC-PID AND GC-ELCD
 Last Update : Mon Oct 21 16:02:33 1996
 Response via : Multiple Level Calibration

Volume Inj. : 5.0 ML PURGE VOLUME
 Signal #1 Phase : (ELCD) J+W DBVRX Signal #2 Phase: (PID) J+W DBVRX 75mX
 Signal #1 Info : Signal #2 Info :

	Compound	R.T.	Response	Conc Units
30)	tm 1,2-Dibromoethane	23.09	12861042	5.284 PPB
31)	TM Tetrachloroethene	23.35	41859898	5.291 PPB
32)	tm 1,1,1,2-Tetrachloroethane	24.09	38640493	5.414 PPB
33)	TM Chlorobenzene	24.17	17643028	5.231 PPB
34)	TM Bromoform	24.70	12587380	5.310 PPB
35)	TM 1,1,2,2-Tetrachloroethane	25.07	20451153	5.307 PPB
36)	tm 1,2,3-Trichloropropane	25.21	16912509	5.304 PPB
37)	tm Bromobenzene	25.66	11008814	5.328 PPB
38)	tm 2-Chlorotoluene	25.96	13121726	5.208 PPB
39)	tm 4-Chlorotoluene	26.03	14843359	5.160 PPB
40)	TM 1,3-Dichlorobenzene	26.67	21036326	5.408 PPB
41)	TM 1,4-Dichlorobenzene	26.74	25517219	5.187 PPB
42)	TM 1,2-Dichlorobenzene	27.05	24156257	5.198 PPB
43)	tm 1,2-Dibromomo-3-chloroprop	27.49	5101659	5.156 PPB m
44)	tm 1,2,4-Trichlorobenzene	28.93	23828251	5.224 PPB
45)	tm Hexachlorobutadiene	29.31	39218054	5.349 PPB
46)	tm 1,2,3-Trichlorobenzene	29.48	29818691	5.102 PPB
48)	TM tert-Butyl Alcohol	6.91	501250	446.749 PPB
49)	tm trans-1,2-Dichloroethene	8.88	1990324	5.126 PPB
50)	tm cis-1,2-Dichloroethene	11.91	1547858	7.031 PPB
51)	tm 1,1-Dichloropropene	16.35	1264736	5.029 PPB
52)	TM Benzene	17.04	3236981	5.041 PPB
54)	tm Trichloroethene	19.30	1840864	5.039 PPB
56)	tm cis-1,3-Dichloropropene	21.05	773358	5.046 PPB
57)	TM trans-1,3-Dichloropropene	21.88	992432	5.074 PPB
58)	TM Toluene	22.35	3166576	5.082 PPB m
59)	tm Tetrachloroethene	23.33	1444985	5.060 PPB
60)	TM Chlorobenzene	24.15	3210519	5.096 PPB
61)	TM Ethylbenzene	24.42	2800967	5.085 PPB
62)	TM m,p-Xylene	24.65	6741594	10.241 PPB
63)	tm Styrene	24.98	3356495	5.066 PPB
64)	TM o-Xylene	25.05	2786833	5.130 PPB
65)	tm Isopropylbenzene	25.44	2325150	5.067 PPB
66)	TM Bromobenzene	25.63	3216700	5.075 PPB
67)	tm n-Propylbenzene	25.87	2581093	5.083 PPB
68)	tm 2-Chlorotoluene	25.94	2919583	5.030 PPB
69)	tm 4-Chlorotoluene	26.02	3115072	5.086 PPB
70)	tm 1,3,5-Trimethylbenzene	26.16	3868589	5.096 PPB

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\NP7803.D
 Signal #2 : C:\HPCHEM\5\DATA\NP7803.D\CONFIRM.D
 Acq On : 21 Oct 96 12:14 PM
 Sample : 5ppb STD.
 Misc : GNP247,W,,,,1
 Quant Time: Oct 21 15:49 1996

Vial: 1
 Operator: RMS
 Inst : GC-NP
 Multiplr: 1.00

Method : C:\HPCHEM\5\METHODS\VRX1021.M
 Title : 601/602 BY GC-PID AND GC-ELCD
 Last Update : Mon Oct 21 16:02:33 1996
 Response via : Multiple Level Calibration

Volume Inj. : 5.0 ML PURGE VOLUME
 Signal #1 Phase : (ELCD) J+W DBVRX Signal #2 Phase: (PID) J+W DBVRX 75mX
 Signal #1 Info : Signal #2 Info :

	Compound	R.T.	Response	Conc Units
71)	TM tert-Butylbenzene	26.40	2151166	5.094 PPB
72)	tm 1,2,4-Trimethylbenzene	26.51	2940810	5.183 PPB
73)	tm sec-Butylbenzene	26.61	2122449	5.099 PPB
74)	TM 1,3-Dichlorobenzene	26.65	2968500	5.129 PPB
75)	TM 1,4-Dichlorobenzene	26.72	2708225	5.063 PPB
76)	tm p-Isopropyltoluene	26.78	2394079	5.171 PPB
77)	TM 1,2-Dichlorobenzene	27.04	2328118	5.118 PPB
78)	tm n-Butylbenzene	27.15	2475968	5.126 PPB
79)	tm 1,2,4-Trichlorobenzene	28.91	1723436	5.118 PPB
80)	tm Naphthalene	29.21	1861110	5.102 PPB
81)	tm Hexachlorobutadiene	29.29	1465193	5.124 PPB
82)	tm 1,2,3-Trichlorobenzene	29.46	1716139	5.137 PPB
83)	TM Methyl tert butyl ether	9.44	893469	5.153 PPB
84)	tm 2-Chloroethylvinyl ether	20.78	444606	4.888 PPB

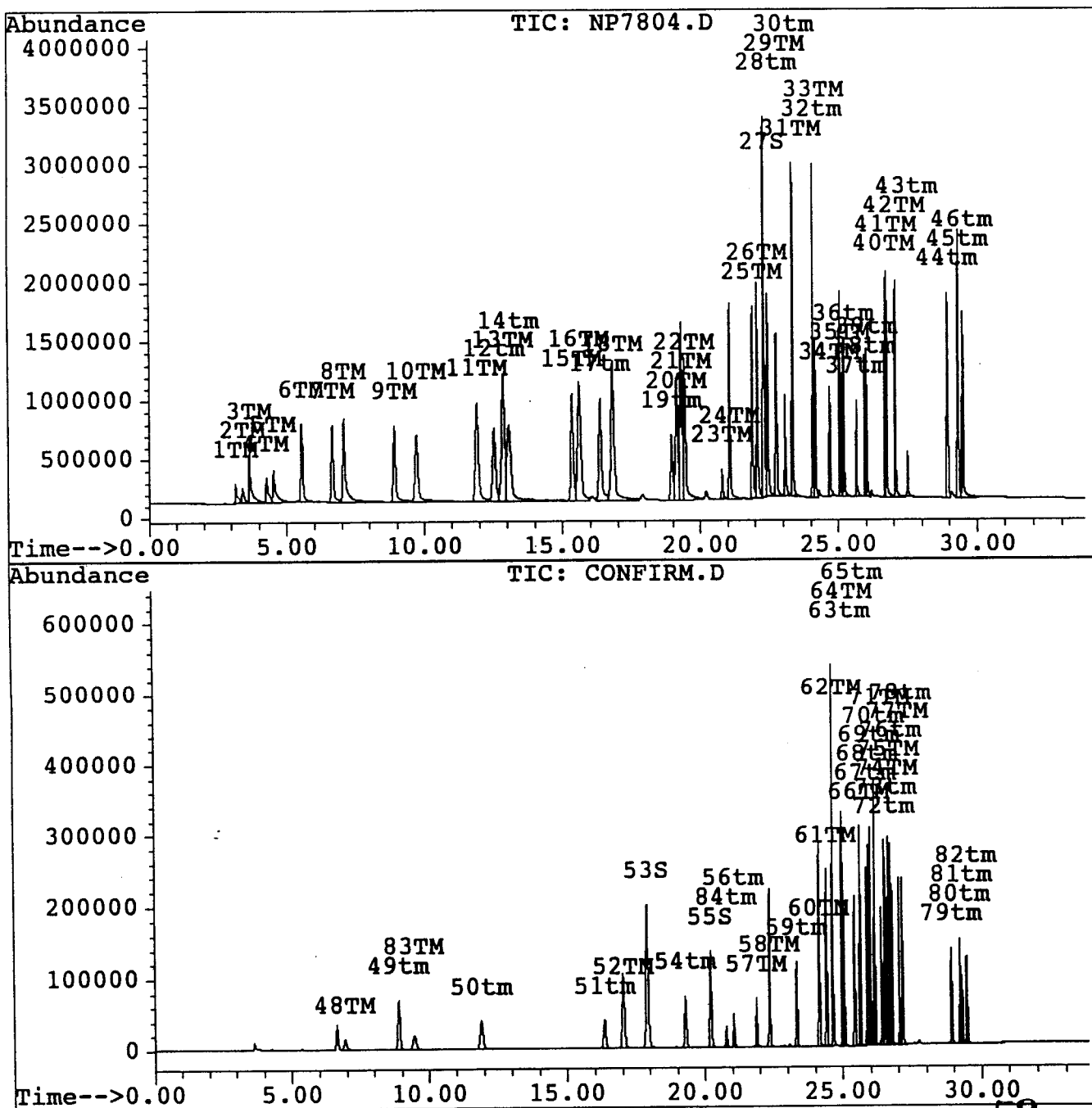
Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\NP7804.D
 Signal #2 : C:\HPCHEM\5\DATA\NP7804.D\CONFIRM.D
 Acq On : 21 Oct 96 12:58 PM
 Sample : 10ppb STD.
 Misc : GNP247,W,,,,,1
 Quant Time: Oct 21 15:40 1996

Vial: 1
 Operator: RMS
 Inst : GC-NP
 Multiplr: 1.00

Method : C:\HPCHEM\5\METHODS\VRX1021.M
 Title : 601/602 BY GC-PID AND GC-ELCD
 Last Update : Mon Oct 21 16:02:33 1996
 Response via : Multiple Level Calibration

Volume Inj. : 5.0 ML PURGE VOLUME
 Signal #1 Phase : (ELCD) J+W DBVRX Signal #2 Phase: (PID) J+W DBVRX 75mX
 Signal #1 Info : Signal #2 Info :



Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\NP7804.D
Signal #2 : C:\HPCHEM\5\DATA\NP7804.D\CONFIRM.D
Acq On : 21 Oct 96 12:58 PM
Sample : 10ppb STD.
Misc : GNP247,W,,,,1
Quant Time: Oct 21 15:40 1996

Vial: 1
Operator: RMS
Inst : GC-NP
Multiplr: 1.00

Method : C:\HPCHEM\5\METHODS\VRX1021.M
Title : 601/602 BY GC-PID AND GC-ELCD
Last Update : Mon Oct 21 16:02:33 1996
Response via : Multiple Level Calibration

Volume Inj. : 5.0 ML PURGE VOLUME
Signal #1 Phase : (ELCD) J+W DBVRX Signal #2 Phase: (PID) J+W DBVRX 75mX
Signal #1 Info : Signal #2 Info :

Compound		R.T.	Response	Conc	Units

System Monitoring Compounds					
27) S	2-Bromo-1-Chloropropane	22.31	108666991	30.166	PPB
			Recovery =	100.55%	
53) S	Fluorobenzene	17.91	12084876	29.399	PPB
			Recovery =	98.00%	
55) S	aaa-Trifluorotoluene #2	20.22	5931307	29.514	PPB
			Recovery =	98.38%	
Target Compounds					
1) TM	Dichlorodifluoromethane	3.15	8234650	6.722	PPB
2) TM	Chloromethane	3.40	7658769	10.239	PPB
3) TM	Vinyl Chloride	3.65	24606729	9.271	PPB
4) TM	Bromomethane	4.26	12026098	9.168	PPB
5) TM	Chloroethane	4.52	19638523	8.693	PPB
6) TM	Trichlorofluoromethane	5.54	37246872	9.652	PPB
7) TM	1,1-Dichloroethene	6.66	36476090	10.120	PPB
8) TM	Methylene Chloride	7.07	51971565	9.324	PPB
9) TM	trans-1,2-Dichloroethene	8.90	42824132	9.911	PPB
10) TM	1,1-Dichloroethane	9.71	51853410	10.033	PPB
11) TM	cis-1,2-Dichloroethene	11.93	69743984	15.114	PPB
12) tm	Bromochloromethane	12.54	48563135	13.698	PPB
13) TM	Chloroform	12.86	89808632	11.297	PPB
14) tm	2,2-Dichloropropane	13.07	77335418	10.080	PPB
15) TM	1,2-Dichloroethane	15.35	59398611	10.464	PPB
16) TM	1,1,1-Trichloroethane	15.61	87592065	9.540	PPB
17) tm	1,1-Dichloropropene	16.37	62786992	9.934	PPB
18) TM	Carbon Tetrachloride	16.82	102260589	9.440	PPB
19) tm	Dibromomethane	18.96	30702143	10.814	PPB
20) TM	1,2-Dichloropropane	19.15	63682493	10.370	PPB
21) TM	Trichloroethene	19.31	79196323	10.158	PPB
22) TM	Bromodichloromethane	19.44	73801105	9.246	PPB
23) TM	2-Chloroethylvinyl ether	20.79	9003856	11.174	PPB m
24) TM	cis-1,3-Dichloropropene	21.07	59796067	10.012	PPB
25) TM	trans-1,3-Dichloropropene	21.90	48714988	10.610	PPB
26) TM	1,1,2-Trichloroethane	22.08	60537593	10.050	PPB
28) tm	1,3-Dichloropropane	22.46	52319812	10.017	PPB m
29) TM	Dibromochloromethane	22.76	42075705	10.313	PPB

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\NP7804.D
 Signal #2 : C:\HPCHEM\5\DATA\NP7804.D\CONFIRM.D
 Acq On : 21 Oct 96 12:58 PM
 Sample : 10ppb STD.
 Misc : GNP247,W,,,,1
 Quant Time: Oct 21 15:40 1996

Vial: 1
 Operator: RMS
 Inst : GC-NP
 Multiplr: 1.00

Method : C:\HPCHEM\5\METHODS\VRX1021.M
 Title : 601/602 BY GC-PID AND GC-ELCD
 Last Update : Mon Oct 21 16:02:33 1996
 Response via : Multiple Level Calibration

Volume Inj. : 5.0 ML PURGE VOLUME

Signal #1 Phase : (ELCD) J+W DBVRX Signal #2 Phase: (PID) J+W DBVRX 75mX
 Signal #1 Info : Signal #2 Info :

	Compound	R.T.	Response	Conc Units	
30)	tm 1,2-Dibromoethane	23.09	25468644	10.464 PPB	
31)	TM Tetrachloroethene	23.35	74825719	9.458 PPB	
32)	tm 1,1,1,2-Tetrachloroethane	24.09	71533819	10.023 PPB	
33)	TM Chlorobenzene	24.17	33501927	9.933 PPB	
34)	TM Bromoform	24.70	25603623	10.801 PPB	
35)	TM 1,1,2,2-Tetrachloroethane	25.07	40698099	10.562 PPB	
36)	tm 1,2,3-Trichloropropane	25.21	33262337	10.432 PPB	
37)	tm Bromobenzene	25.66	21133834	10.229 PPB	
38)	tm 2-Chlorotoluene	25.96	25848103	10.259 PPB	
39)	tm 4-Chlorotoluene	26.04	28215966	9.808 PPB	
40)	TM 1,3-Dichlorobenzene	26.67	39073441	10.045 PPB	
41)	TM 1,4-Dichlorobenzene	26.74	45169805	9.182 PPB	
42)	TM 1,2-Dichlorobenzene	27.06	43258174	9.308 PPB	
43)	tm 1,2-Dibromomo-3-chloroprop	27.49	10386291	10.498 PPB	m
44)	tm 1,2,4-Trichlorobenzene	28.93	47314588	10.372 PPB	
45)	tm Hexachlorobutadiene	29.31	72927393	9.946 PPB	
46)	tm 1,2,3-Trichlorobenzene	29.48	53065774	9.080 PPB	m
48)	TM tert-Butyl Alcohol	6.93	1077260	960.129 PPB	
49)	tm trans-1,2-Dichloroethene	8.88	3940092	10.147 PPB	
50)	tm cis-1,2-Dichloroethene	11.91	3083880	14.008 PPB	
51)	tm 1,1-Dichloropropene	16.35	2501217	9.945 PPB	
52)	TM Benzene	17.04	6381816	9.939 PPB	
54)	tm Trichloroethene	19.29	3640988	9.967 PPB	
56)	tm cis-1,3-Dichloropropene	21.05	1520367	9.920 PPB	
57)	TM trans-1,3-Dichloropropene	21.88	1945489	9.946 PPB	
58)	TM Toluene	22.35	6162101	9.889 PPB	
59)	tm Tetrachloroethene	23.33	2819100	9.871 PPB	
60)	TM Chlorobenzene	24.16	6212253	9.860 PPB	
61)	TM Ethylbenzene	24.42	5385667	9.778 PPB	
62)	TM m,p-Xylene	24.65	12869091	19.550 PPB	
63)	tm Styrene	24.99	6478063	9.777 PPB	
64)	TM o-Xylene	25.06	5350565	9.849 PPB	
65)	tm Isopropylbenzene	25.44	4490016	9.785 PPB	
66)	TM Bromobenzene	25.64	6233517	9.835 PPB	
67)	tm n-Propylbenzene	25.87	4974792	9.797 PPB	
68)	tm 2-Chlorotoluene	25.94	5589072	9.629 PPB	
59)	tm 4-Chlorotoluene	26.02	5957669	9.727 PPB	
70)	tm 1,3,5-Trimethylbenzene	26.16	7401661	9.749 PPB	

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\NP7804.D
Signal #2 : C:\HPCHEM\5\DATA\NP7804.D\CONFIRM.D
Acq On : 21 Oct 96 12:58 PM
Sample : 10ppb STD.
Misc : GNP247,W,,,,1
Quant Time: Oct 21 15:40 1996

Vial: 1
Operator: RMS
Inst : GC-NP
Multiplr: 1.00

Method : C:\HPCHEM\5\METHODS\VRX1021.M
Title : 601/602 BY GC-PID AND GC-ELCD
Last Update : Mon Oct 21 16:02:33 1996
Response via : Multiple Level Calibration

Volume Inj. : 5.0 ML PURGE VOLUME
Signal #1 Phase : (ELCD) J+W DBVRX Signal #2 Phase: (PID) J+W DBVRX 75mX
Signal #1 Info : Signal #2 Info :

	Compound	R.T.	Response	Conc Units
71)	TM tert-Butylbenzene	26.40	4125186	9.768 PPB
72)	tm 1,2,4-Trimethylbenzene	26.52	5615864	9.897 PPB
73)	tm sec-Butylbenzene	26.61	4096745	9.842 PPB
74)	TM 1,3-Dichlorobenzene	26.65	5709886	9.865 PPB
75)	TM 1,4-Dichlorobenzene	26.72	5229475	9.776 PPB
76)	tm p-Isopropyltoluene	26.78	4522622	9.768 PPB
77)	TM 1,2-Dichlorobenzene	27.04	4492164	9.875 PPB
78)	tm n-Butylbenzene	27.15	4705275	9.741 PPB
79)	tm 1,2,4-Trichlorobenzene	28.91	3338205	9.914 PPB
80)	tm Naphthalene	29.21	3723876	10.208 PPB
81)	tm Hexachlorobutadiene	29.29	2788621	9.753 PPB
82)	tm 1,2,3-Trichlorobenzene	29.46	3332683	9.976 PPB
83)	TM Methyl tert butyl ether	9.44	1793618	10.344 PPB
84)	tm 2-Chloroethylvinyl ether	20.78	1012133	11.127 PPB

Quantitation Report

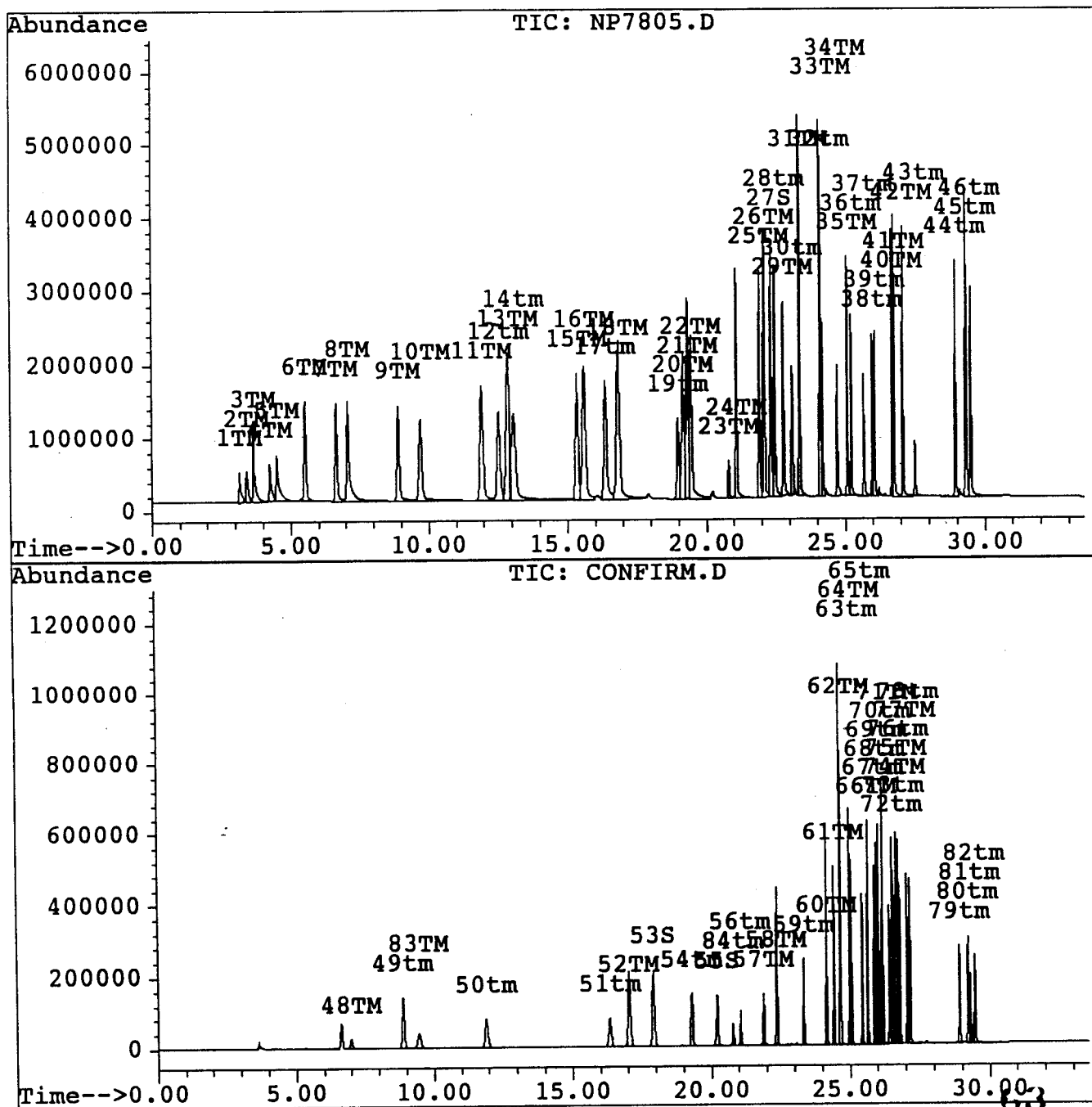
Signal #1 : C:\HPCHEM\5\DATA\NP7805.D
Signal #2 : C:\HPCHEM\5\DATA\NP7805.D\CONFIRM.D
Acq On : 21 Oct 96 02:18 PM
Sample : 20ppb STD.
Misc : GNP247,W,,,,1
Quant Time: Oct 21 15:36 1996

Vial: 1

Operator: RMS
Inst : GC-NP
Multiplr: 1.00

Method : C:\HPCHEM\5\METHODS\VRX1021.M
Title : 601/602 BY GC-PID AND GC-ELCD
Last Update : Mon Oct 21 16:02:33 1996
Response via : Multiple Level Calibration

Volume Inj. : 5.0 ML PURGE VOLUME
Signal #1 Phase : (ELCD) J+W DBVRX Signal #2 Phase: (PID) J+W DBVRX 75mX
Signal #1 Info : Signal #2 Info :



Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\NP7805.D
Signal #2 : C:\HPCHEM\5\DATA\NP7805.D\CONFIRM.D
Acq On : 21 Oct 96 02:18 PM
Sample : 20ppb STD.
Misc : GNP247,W,,,,1
Quant Time: Oct 21 15:36 1996

Vial: 1
Operator: RMS
Inst : GC-NP
Multiplr: 1.00

Method : C:\HPCHEM\5\METHODS\VRX1021.M
Title : 601/602 BY GC-PID AND GC-ELCD
Last Update : Mon Oct 21 16:02:33 1996
Response via : Multiple Level Calibration

Volume Inj. : 5.0 ML PURGE VOLUME
Signal #1 Phase : (ELCD) J+W DBVRX Signal #2 Phase: (PID) J+W DBVRX 75mX
Signal #1 Info : Signal #2 Info :

Compound		R.T.	Response	Conc	Units	

System Monitoring Compounds						
27)	S 2-Bromo-1-Chloropropane	22.31	114986746	31.920	PPB	
			Recovery =	106.40%		
53)	S Fluorobenzene	17.91	12802880	31.146	PPB	
			Recovery =	103.82%		
55)	S aaa-Trifluorotoluene #2	20.21	6164818	30.676	PPB	
			Recovery =	102.25%		
Target Compounds						
1)	TM Dichlorodifluoromethane	3.14	17614948	14.379	PPB	m
2)	TM Chloromethane	3.40	21014363	28.095	PPB	m
3)	TM Vinyl Chloride	3.65	46948961	17.689	PPB	
4)	TM Bromomethane	4.24	26504126	20.205	PPB	m
5)	TM Chloroethane	4.50	43692893	19.341	PPB	m
6)	TM Trichlorofluoromethane	5.53	70873497	18.366	PPB	
7)	TM 1,1-Dichloroethene	6.65	70768563	19.635	PPB	
8)	TM Methylene Chloride	7.07	96851561	17.376	PPB	
9)	TM trans-1,2-Dichloroethene	8.90	81351146	18.828	PPB	
10)	TM 1,1-Dichloroethane	9.70	93173811	18.027	PPB	
11)	TM cis-1,2-Dichloroethene	11.93	128804439	27.914	PPB	
12)	tm Bromochloromethane	12.54	93026779	26.239	PPB	
13)	TM Chloroform	12.87	167563138	21.077	PPB	
14)	tm 2,2-Dichloropropane	13.07	154302982	20.112	PPB	m
15)	TM 1,2-Dichloroethane	15.35	113020749	19.910	PPB	
16)	TM 1,1,1-Trichloroethane	15.60	157718338	17.179	PPB	
17)	tm 1,1-Dichloropropene	16.37	118375520	18.729	PPB	
18)	TM Carbon Tetrachloride	16.82	185169123	17.093	PPB	
19)	tm Dibromomethane	18.96	59620970	21.000	PPB	
20)	TM 1,2-Dichloropropane	19.16	116873100	19.031	PPB	
21)	TM Trichloroethene	19.31	144754312	18.567	PPB	
22)	TM Bromodichloromethane	19.44	144515290	18.105	PPB	m
23)	TM 2-Chloroethylvinyl ether	20.79	18361261	22.786	PPB	m
24)	TM cis-1,3-Dichloropropene	21.07	110683556	18.532	PPB	
25)	TM trans-1,3-Dichloropropene	21.90	91622499	19.955	PPB	
26)	TM 1,1,2-Trichloroethane	22.08	116242633	19.297	PPB	
28)	tm 1,3-Dichloropropane	22.46	95939740	18.369	PPB	m
29)	TM Dibromochloromethane	22.76	79563385	19.501	PPB	

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\NP7805.D
Signal #2 : C:\HPCHEM\5\DATA\NP7805.D\CONFIRM.D
Acq On : 21 Oct 96 02:18 PM
Sample : 20ppb STD.
Misc : GNP247,W,,,,1
Quant Time: Oct 21 15:36 1996

Vial: 1

Operator: RMS
Inst : GC-NP
Multiplr: 1.00

Method : C:\HPCHEM\5\METHODS\VRX1021.M
Title : 601/602 BY GC-PID AND GC-ELCD
Last Update : Mon Oct 21 16:02:33 1996
Response via : Multiple Level Calibration

Volume Inj. : 5.0 ML PURGE VOLUME

Signal #1 Phase : (ELCD) J+W DBVRX Signal #2 Phase: (PID) J+W DBVRX 75mX
Signal #1 Info : Signal #2 Info :

	Compound	R.T.	Response	Conc	Units	
30)	tm 1,2-Dibromoethane	23.08	48509410	19.931	PPB	m
31)	TM Tetrachloroethene	23.35	138826332	17.548	PPB	
32)	tm 1,1,1,2-Tetrachloroethane	24.09	133977247	18.772	PPB	
33)	TM Chlorobenzene	24.17	60578297	17.961	PPB	
34)	TM Bromoform	24.70	48262026	20.360	PPB	
35)	TM 1,1,2,2-Tetrachloroethane	25.07	75548406	19.606	PPB	
36)	tm 1,2,3-Trichloropropane	25.21	60613186	19.010	PPB	
37)	tm Bromobenzene	25.66	41450186	20.062	PPB	
38)	tm 2-Chlorotoluene	25.96	47953164	19.033	PPB	
39)	tm 4-Chlorotoluene	26.04	51377264	17.860	PPB	
40)	TM 1,3-Dichlorobenzene	26.67	75041918	19.292	PPB	
41)	TM 1,4-Dichlorobenzene	26.74	86225564	17.527	PPB	m
42)	TM 1,2-Dichlorobenzene	27.05	84795596	18.247	PPB	m
43)	tm 1,2-Dibromomo-3-chloroprop	27.49	20275206	20.493	PPB	m
44)	tm 1,2,4-Trichlorobenzene	28.93	87264262	19.130	PPB	
45)	tm Hexachlorobutadiene	29.31	135646248	18.499	PPB	
46)	tm 1,2,3-Trichlorobenzene	29.48	102465357	17.533	PPB	m
48)	TM tert-Butyl Alcohol	6.98	1776594	1583.424	PPB	
49)	tm trans-1,2-Dichloroethene	8.88	7957509	20.493	PPB	
50)	tm cis-1,2-Dichloroethene	11.91	6169591	28.025	PPB	
51)	tm 1,1-Dichloropropene	16.35	5098657	20.272	PPB	
52)	TM Benzene	17.04	12941638	20.156	PPB	
54)	tm Trichloroethene	19.29	7256432	19.864	PPB	
56)	tm cis-1,3-Dichloropropene	21.05	3104742	20.258	PPB	
57)	TM trans-1,3-Dichloropropene	21.88	4026899	20.587	PPB	
58)	TM Toluene	22.35	12196850	19.574	PPB	
59)	tm Tetrachloroethene	23.33	5719865	20.029	PPB	
60)	TM Chlorobenzene	24.15	12534656	19.895	PPB	
61)	TM Ethylbenzene	24.42	10878334	19.751	PPB	
62)	TM m,p-Xylene	24.65	25927814	39.387	PPB	
63)	tm Styrene	24.99	13112990	19.790	PPB	
64)	TM o-Xylene	25.06	10724794	19.741	PPB	
65)	tm Isopropylbenzene	25.44	9073836	19.775	PPB	
66)	TM Bromobenzene	25.64	12610764	19.897	PPB	
67)	tm n-Propylbenzene	25.87	10020041	19.733	PPB	
68)	tm 2-Chlorotoluene	25.94	11192702	19.283	PPB	
69)	tm 4-Chlorotoluene	26.02	11946510	19.505	PPB	
70)	tm 1,3,5-Trimethylbenzene	26.16	14770256	19.455	PPB	

(f)=RT Delta > 1/2 Window

NP7805.D VRX1021.M

Tue Oct 22 11:30:36 1996

(m)=manual int.

RPT1

Page 2

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\NP7805.D
Signal #2 : C:\HPCHEM\5\DATA\NP7805.D\CONFIRM.D
Acq On : 21 Oct 96 02:18 PM
Sample : 20ppb STD.
Misc : GNP247,W,,,,1
Quant Time: Oct 21 15:36 1996

Vial: 1
Operator: RMS
Inst : GC-NP
Multiplr: 1.00

Method : C:\HPCHEM\5\METHODS\VRX1021.M
Title : 601/602 BY GC-PID AND GC-ELCD
Last Update : Mon Oct 21 16:02:33 1996
Response via : Multiple Level Calibration

Volume Inj. : 5.0 ML PURGE VOLUME
Signal #1 Phase : (ELCD) J+W DBVRX Signal #2 Phase: (PID) J+W DBVRX 75mX
Signal #1 Info : Signal #2 Info :

	Compound	R.T.	Response	Conc	Units
71)	TM tert-Butylbenzene	26.41	8257870	19.555	PPB
72)	tm 1,2,4-Trimethylbenzene	26.52	11201536	19.742	PPB
73)	tm sec-Butylbenzene	26.61	8204562	19.711	PPB
74)	TM 1,3-Dichlorobenzene	26.65	11568497	19.986	PPB
75)	TM 1,4-Dichlorobenzene	26.72	10591185	19.799	PPB
76)	tm p-Isopropyltoluene	26.78	9028647	19.499	PPB
77)	TM 1,2-Dichlorobenzene	27.04	9107921	20.021	PPB
78)	tm n-Butylbenzene	27.15	9429274	19.522	PPB
79)	tm 1,2,4-Trichlorobenzene	28.91	6736475	20.007	PPB
80)	tm Naphthalene	29.21	7562599	20.730	PPB
81)	tm Hexachlorobutadiene	29.29	5614444	19.636	PPB
82)	tm 1,2,3-Trichlorobenzene	29.46	6702770	20.063	PPB
83)	TM Methyl tert butyl ether	9.46	3663202	21.126	PPB
84)	tm 2-Chloroethylvinyl ether	20.78	2066159	22.714	PPB

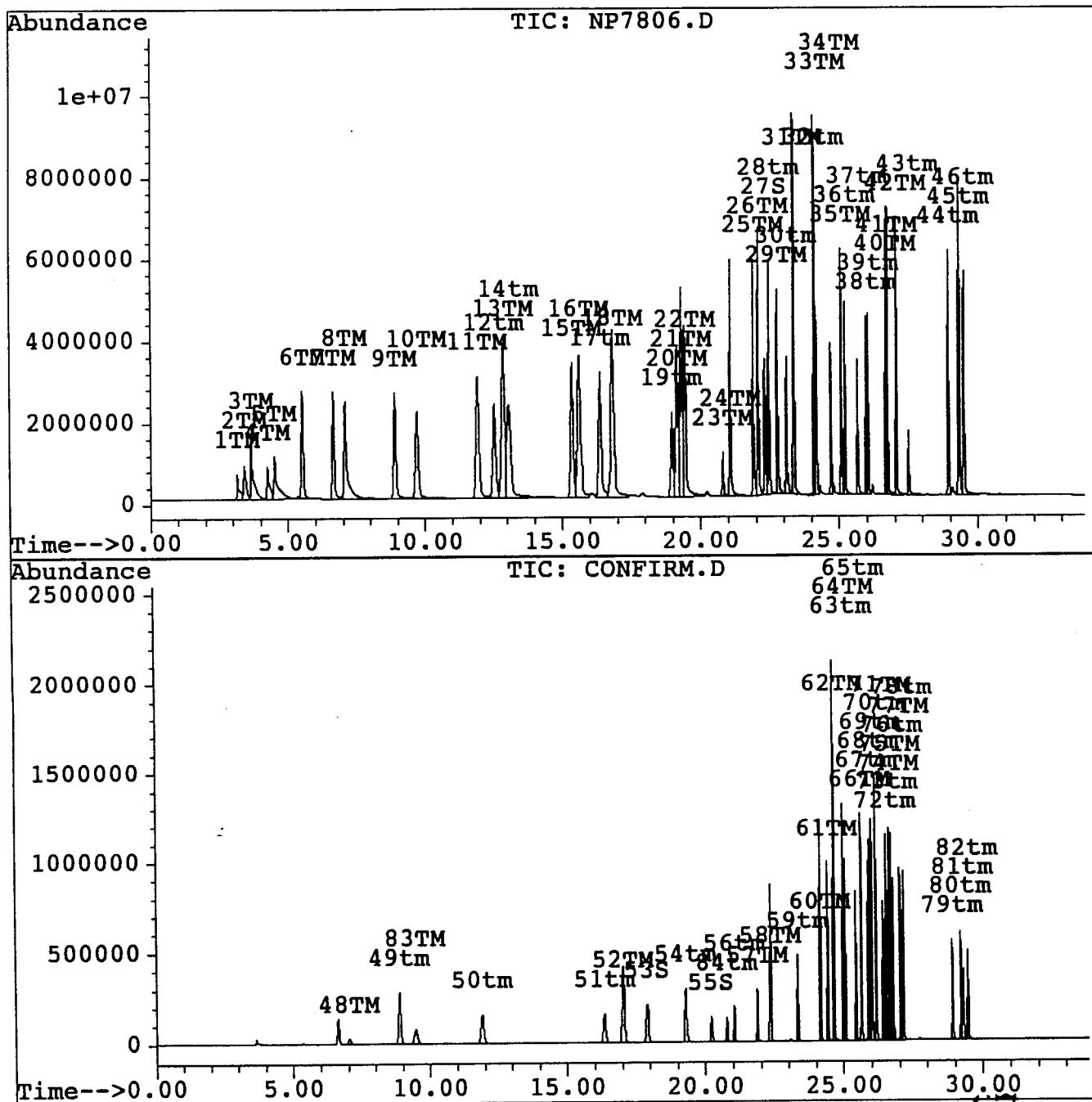
Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\NP7806.D
 Signal #2 : C:\HPCHEM\5\DATA\NP7806.D\CONFIRM.D
 Acq On : 21 Oct 96 03:01 PM
 Sample : 40ppb STD.
 Misc : GNP247,W,,,,,1
 Quant Time: Oct 21 15:53 1996

Vial: 1
 Operator: RMS
 Inst : GC-NP
 Multiplr: 1.00

Method : C:\HPCHEM\5\METHODS\VRX1021.M
 Title : 601/602 BY GC-PID AND GC-ELCD
 Last Update : Mon Oct 21 16:02:33 1996
 Response via : Multiple Level Calibration

Volume Inj. : 5.0 ML PURGE VOLUME
 Signal #1 Phase : (ELCD) J+W DBVRX Signal #2 Phase: (PID) J+W DBVRX 75mX
 Signal #1 Info : Signal #2 Info :



Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\NP7806.D
Signal #2 : C:\HPCHEM\5\DATA\NP7806.D\CONFIRM.D
Acq On : 21 Oct 96 03:01 PM
Sample : 40ppb STD.
Misc : GNP247,W,,,,,1
Quant Time: Oct 21 15:53 1996

Vial: 1

Operator: RMS
Inst : GC-NP
Multiplr: 1.00

Method : C:\HPCHEM\5\METHODS\VRX1021.M
Title : 601/602 BY GC-PID AND GC-ELCD
Last Update : Mon Oct 21 16:02:33 1996
Response via : Multiple Level Calibration

Volume Inj. : 5.0 ML PURGE VOLUME
Signal #1 Phase : (ELCD) J+W DBVRX Signal #2 Phase: (PID) J+W DBVRX 75mX
Signal #1 Info : Signal #2 Info :

Compound		R.T.	Response	Conc Units

System Monitoring Compounds				
27) S	2-Bromo-1-Chloropropane	22.31	113951893	31.633 PPB
			Recovery =	105.44%
53) S	Fluorobenzene	17.90	12630880	30.727 PPB
			Recovery =	102.42%
55) S	aaa-Trifluorotoluene #2	20.21	6095455	30.331 PPB
			Recovery =	101.10%
Target Compounds				
1) TM	Dichlorodifluoromethane	3.15	34410472	28.090 PPB
2) TM	Chloromethane	3.40	50584377	67.629 PPB
3) TM	Vinyl Chloride	3.65	93256317	35.137 PPB
4) TM	Bromomethane	4.24	49026371	37.374 PPB
5) TM	Chloroethane	4.50	90690177	40.145 PPB
6) TM	Trichlorofluoromethane	5.52	135978025	35.236 PPB
7) TM	1,1-Dichloroethene	6.64	136965925	38.002 PPB
8) TM	Methylene Chloride	7.07	181278334	32.523 PPB
9) TM	trans-1,2-Dichloroethene	8.89	156343191	36.184 PPB
10) TM	1,1-Dichloroethane	9.70	173608564	33.590 PPB
11) TM	cis-1,2-Dichloroethene	11.92	243675061	52.807 PPB
12) tm	Bromochloromethane	12.53	178197971	50.262 PPB
13) TM	Chloroform	12.86	316034021	39.752 PPB
14) tm	2,2-Dichloropropane	13.06	251751579	32.813 PPB
15) TM	1,2-Dichloroethane	15.35	217522414	38.319 PPB
16) TM	1,1,1-Trichloroethane	15.60	298834002	32.549 PPB
17) tm	1,1-Dichloropropene	16.36	221869937	35.103 PPB
18) TM	Carbon Tetrachloride	16.82	338844208	31.279 PPB
19) tm	Dibromomethane	18.96	114261019	40.246 PPB
20) TM	1,2-Dichloropropane	19.15	224116804	36.495 PPB
21) TM	Trichloroethene	19.31	273669020	35.103 PPB
22) TM	Bromodichloromethane	19.44	244985960	30.692 PPB
23) TM	2-Chloroethylvinyl ether	20.79	39325987	48.803 PPB
24) TM	cis-1,3-Dichloropropene	21.07	207792070	34.791 PPB
25) TM	trans-1,3-Dichloropropene	21.90	174021308	37.902 PPB
26) TM	1,1,2-Trichloroethane	22.08	211028847	35.033 PPB
28) tm	1,3-Dichloropropane	22.46	172907052	33.105 PPB
29) TM	Dibromochloromethane	22.76	152051977	37.268 PPB

(f)=RT Delta > 1/2 Window

NP7806.D VRX1021.M

Tue Oct 22 11:32:12 1996

(m)=manual Int.

RPT1

Page 1

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\NP7806.D
Signal #2 : C:\HPCHEM\5\DATA\NP7806.D\CONFIRM.D
Acq On : 21 Oct 96 03:01 PM
Sample : 40ppb STD.
Misc : GNP247,W,,,,1
Quant Time: Oct 21 15:53 1996

Vial: 1
Operator: RMS
Inst : GC-NP
Multiplr: 1.00

Method : C:\HPCHEM\5\METHODS\VRX1021.M
Title : 601/602 BY GC-PID AND GC-ELCD
Last Update : Mon Oct 21 16:02:33 1996
Response via : Multiple Level Calibration

Volume Inj. : 5.0 ML PURGE VOLUME
Signal #1 Phase : (ELCD) J+W DBVRX Signal #2 Phase: (PID) J+W DBVRX 75mX
Signal #1 Info : Signal #2 Info :

	Compound	R.T.	Response	Conc Units
30)	tm 1,2-Dibromoethane	23.09	96611573	39.695 PPB
31)	TM Tetrachloroethene	23.35	254433554	32.161 PPB
32)	tm 1,1,1,2-Tetrachloroethane	24.09	246765120	34.576 PPB
33)	TM Chlorobenzene	24.17	113860141	33.759 PPB
34)	TM Bromoform	24.70	94583560	39.902 PPB
35)	TM 1,1,2,2-Tetrachloroethane	25.07	141510555	36.724 PPB
36)	tm 1,2,3-Trichloropropane	25.21	113372490	35.557 PPB
37)	tm Bromobenzene	25.66	81387356	39.391 PPB
38)	tm 2-Chlorotoluene	25.96	94361878	37.453 PPB
39)	tm 4-Chlorotoluene	26.03	97261146	33.809 PPB
40)	TM 1,3-Dichlorobenzene	26.67	141017771	36.254 PPB
41)	TM 1,4-Dichlorobenzene	26.74	156526698	31.817 PPB
42)	TM 1,2-Dichlorobenzene	27.05	151517007	32.604 PPB
43)	tm 1,2-Dibromomo-3-chloroprop	27.49	42261859	42.715 PPB
44)	tm 1,2,4-Trichlorobenzene	28.93	166308195	36.457 PPB
45)	tm Hexachlorobutadiene	29.31	256301163	34.954 PPB
46)	tm 1,2,3-Trichlorobenzene	29.48	174422815	29.847 PPB
48)	TM tert-Butyl Alcohol	7.03f	2072430	1847.093 PPB
49)	tm trans-1,2-Dichloroethene	8.87	15884555	40.907 PPB
50)	tm cis-1,2-Dichloroethene	11.90	12228000	55.545 PPB
51)	tm 1,1-Dichloropropene	16.35	10162751	40.407 PPB
52)	TM Benzene	17.04	25790920	40.168 PPB
54)	tm Trichloroethene	19.29	14565332	39.871 PPB
56)	tm cis-1,3-Dichloropropene	21.05	6188765	40.380 PPB
57)	TM trans-1,3-Dichloropropene	21.88	7996427	40.881 PPB
58)	TM Toluene	22.35	23888532	38.338 PPB
59)	tm Tetrachloroethene	23.33	11417014	39.978 PPB
60)	TM Chlorobenzene	24.15	24934995	39.576 PPB
61)	TM Ethylbenzene	24.42	21660069	39.326 PPB
62)	TM m,p-Xylene	24.65	50863998	77.268 PPB
63)	tm Styrene	24.98	26146280	39.459 PPB
64)	TM o-Xylene	25.05	21076756	38.795 PPB
65)	tm Isopropylbenzene	25.44	18004471	39.238 PPB
66)	TM Bromobenzene	25.64	25232305	39.812 PPB
67)	tm n-Propylbenzene	25.87	19954884	39.299 PPB
68)	tm 2-Chlorotoluene	25.94	22190616	38.231 PPB
69)	tm 4-Chlorotoluene	26.02	23713860	38.718 PPB
70)	tm 1,3,5-Trimethylbenzene	26.16	29356137	38.668 PPB

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\NP7806.D
Signal #2 : C:\HPCHEM\5\DATA\NP7806.D\CONFIRM.D
Acq On : 21 Oct 96 03:01 PM
Sample : 40ppb STD.
Misc : GNP247,W,,,,1
Quant Time: Oct 21 15:53 1996

Vial: 1

Operator: RMS
Inst : GC-NP
Multiplr: 1.00

Method : C:\HPCHEM\5\METHODS\VRX1021.M
Title : 601/602 BY GC-PID AND GC-ELCD
Last Update : Mon Oct 21 16:02:33 1996
Response via : Multiple Level Calibration

Volume Inj. : 5.0 ML PURGE VOLUME
Signal #1 Phase : (ELCD) J+W DBVRX Signal #2 Phase: (PID) J+W DBVRX 75mX
Signal #1 Info : Signal #2 Info :

	Compound	R.T.	Response	Conc Units
71)	TM tert-Butylbenzene	26.40	16406375	38.850 PPB
72)	tm 1,2,4-Trimethylbenzene	26.52	22357610	39.403 PPB
73)	tm sec-Butylbenzene	26.61	16368200	39.324 PPB
74)	TM 1,3-Dichlorobenzene	26.65	23190932	40.066 PPB
75)	TM 1,4-Dichlorobenzene	26.72	21242513	39.710 PPB
76)	tm p-Isopropyltoluene	26.78	18004678	38.885 PPB
77)	TM 1,2-Dichlorobenzene	27.04	18279100	40.181 PPB
78)	tm n-Butylbenzene	27.15	18939517	39.211 PPB
79)	tm 1,2,4-Trichlorobenzene	28.91	13769135	40.893 PPB
80)	tm Naphthalene	29.21	15267397	41.850 PPB
81)	tm Hexachlorobutadiene	29.29	11278660	39.447 PPB
82)	tm 1,2,3-Trichlorobenzene	29.46	13586465	40.668 PPB
83)	TM Methyl tert butyl ether	9.46	7254247	41.836 PPB
84)	tm 2-Chloroethylvinyl ether	20.77	4389550	48.256 PPB

Evaluate Continuing Calibration Report

Signal #1 : C:\HPCHEM\5\DATA\NP7858.D
 Signal #2 : C:\HPCHEM\5\DATA\NP7858.D\CONFIRM.D
 Acq On : 24 Oct 96 09:15 AM
 Sample : 5ppb STD.
 Misc : GNP248,W,,,1

Vial: 1

Operator: RMS
 Inst : GC-NP
 Multiplr: 1.00

Method : C:\HPCHEM\5\METHODS\VRX1021.M
 Title : 601/602 BY GC-PID AND GC-ELCD
 Last Update : Wed Oct 23 16:01:48 1996
 Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.10min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	TM Dichlorodifluoromethane	827.378	728.647 E3	11.9	93	0.00
2	TM Chloromethane	773.117	804.471 E3	-4.1	106	0.00
3	TM Vinyl Chloride	2.468	2.349 E6	4.8	90	0.00
4	TM Bromomethane	1.198	1.275 E6	-6.4	107	0.00
5	TM Chloroethane	2.049	2.190 E6	-6.9	111	0.00
6	TM Trichlorofluoromethane	3.721	3.788 E6	-1.8	97	0.00
7	TM 1,1-Dichloroethene	3.565	3.527 E6	1.1	94	0.00
8	TM Methylene Chloride	5.514	4.960 E6	10.0	85	0.00
9	TM trans-1,2-Dichloroethene	4.285	4.310 E6	-0.6	92	0.00
10	TM 1,1-Dichloroethane	4.886	5.263 E6	-7.7	103	0.00
11	TM cis-1,2-Dichloroethene	6.728	6.805 E6	-1.1	95	0.00
12	tm Bromochloromethane	4.584	4.754 E6	-3.7	99	0.00
13	TM Chloroform	8.863	9.089 E6	-2.6	94	0.00
14	tm 2,2-Dichloropropane	8.285	8.351 E6	-0.8	95	0.00
15	TM 1,2-Dichloroethane	5.701	5.840 E6	-2.4	97	0.00
16	TM 1,1,1-Trichloroethane	9.190	8.867 E6	3.5	95	0.00
17	tm 1,1-Dichloropropene	6.164	6.376 E6	-3.4	96	-0.01
18	TM Carbon Tetrachloride	10.519	10.752 E6	-2.2	94	0.00
19	tm Dibromomethane	2.877	2.759 E6	4.1	93	-0.01
20	TM 1,2-Dichloropropane	6.194	6.276 E6	-1.3	94	-0.01
21	TM Trichloroethene	7.767	7.807 E6	-0.5	95	0.00
22	TM Bromodichloromethane	7.900	7.825 E6	1.0	95	0.00
23	TM 2-Chloroethylvinyl ether	892.530	785.172 E3	12.0	92	0.00
24	TM cis-1,3-Dichloropropene	5.961	5.895 E6	1.1	92	0.00
25	TM trans-1,3-Dichloropropene	4.651	4.645 E6	0.1	93	0.02
26	TM 1,1,2-Trichloroethane	6.116	6.114 E6	0.0	93	0.00
27	S 2-Bromo-1-Chloropropane	3.594	3.611 E6	-0.5	102	0.00
28	tm 1,3-Dichloropropane	5.353	5.930 E6	-10.8	100	0.00
29	TM Dibromochloromethane	4.109	4.128 E6	-0.5	93	0.00
30	tm 1,2-Dibromoethane	2.439	2.412 E6	1.1	94	0.00
31	TM Tetrachloroethene	7.972	7.642 E6	4.1	91	0.00
32	tm 1,1,1,2-Tetrachloroethane	7.157	7.157 E6	0.0	93	0.00
33	TM Chlorobenzene	3.486	3.427 E6	1.7	97	0.00
34	TM Bromoform	2.409	2.491 E6	-3.4	99	0.00
35	TM 1,1,2,2-Tetrachloroethane	3.952	3.915 E6	0.9	96	0.00
36	tm 1,2,3-Trichloropropane	3.432	3.235 E6	5.7	96	0.00
37	tm Bromobenzene	2.088	2.059 E6	1.4	94	0.00
38	tm 2-Chlorotoluene	2.499	2.555 E6	-2.3	97	0.00
39	tm 4-Chlorotoluene	2.925	2.869 E6	1.9	97	0.00
40	J TM 1,3-Dichlorobenzene	3.901	3.842 E6	1.5	91	0.00
41	TM 1,4-Dichlorobenzene	4.807	4.680 E6	2.6	92	0.00

(#) = Out of Range

NP7858.D VRX1021.M

Fri Oct 25 10:08:14 1996

RPT1

Page 1

Evaluate Continuing Calibration Report

Signal #1 : C:\HPCHEM\5\DATA\NP7858.D
 Signal #2 : C:\HPCHEM\5\DATA\NP7858.D\CONFIRM.D
 Acq On : 24 Oct 96 09:15 AM
 Sample : 5ppb STD.
 Misc : GNP248,W,,,,,1

Vial: 1

Operator: RMS
 Inst : GC-NP
 Multiplr: 1.00

Method : C:\HPCHEM\5\METHODS\VRX1021.M
 Title : 601/602 BY GC-PID AND GC-ELCD
 Last Update : Wed Oct 23 16:01:48 1996
 Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.10min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
42 TM 1,2-Dichlorobenzene	4.451	4.318 E6	3.0	89	0.00
43 tm 1,2-Dibromomo-3-chloropropa	985.543	952.734 E3	3.3	93	0.00
44 tm 1,2,4-Trichlorobenzene	4.705	4.441 E6	5.6	93	0.00
45 tm Hexachlorobutadiene	7.406	7.099 E6	4.1	91	0.00
46 tm 1,2,3-Trichlorobenzene	5.645	5.490 E6	2.7	92	0.00

Signal #2

Data File : C:\HPCHEM\5\DATA\NP7858.D\CONFIRM.D
 Acq On : 24 Oct 96 09:15 AM
 Sample : 5ppb STD.
 Misc : GNP248,W,,,,,1

Vial: 1

Operator: RMS
 Inst : GC-NP
 Multiplr: 1.00

Compound	AvgRF	CCRF	%Dev	Area%	Dev(Min)
48 TM tert-Butyl Alcohol	1.058	0.000 E3	100.0#	0#	-6.91#
49 tm trans-1,2-Dichloroethene	388.083	382.685 E3	1.4	96	0.00
50 tm cis-1,2-Dichloroethene	303.598	300.334 E3	1.1	97	0.00
51 tm 1,1-Dichloropropene	249.606	242.278 E3	2.9	96	0.00
52 TM Benzene	638.382	621.360 E3	2.7	96	0.00
53 S Fluorobenzene	405.190	412.072 E3	-1.7	103	0.00
54 tm Trichloroethene	361.617	350.873 E3	3.0	95	0.00
55 S aaa-Trifluorotoluene #2	198.039	200.822 E3	-1.4	102	0.00
56 tm cis-1,3-Dichloropropene	152.126	148.370 E3	2.5	96	0.00
57 TM trans-1,3-Dichloropropene	195.519	190.295 E3	2.7	96	0.00
58 TM Toluene	627.621	592.833 E3	5.5	94	0.00
59 tm Tetrachloroethene	284.560	275.682 E3	3.1	95	0.00
60 TM Chlorobenzene	626.812	608.453 E3	2.9	95	0.00
61 TM Ethylbenzene	544.691	527.994 E3	3.1	94	0.00
62 TM m,p-Xylene	653.947	637.935 E3	2.4	95	0.00
63 tm Styrene	654.842	639.192 E3	2.4	95	0.00
64 TM o-Xylene	541.663	524.710 E3	3.1	94	0.00
65 tm Isopropylbenzene	454.204	436.515 E3	3.9	94	0.00
66 TM Bromobenzene	629.798	609.974 E3	3.1	95	0.00
67 tm n-Propylbenzene	501.889	483.350 E3	3.7	94	0.00
68 tm 2-Chlorotoluene	568.550	547.863 E3	3.6	94	0.00
69 tm 4-Chlorotoluene	607.503	586.246 E3	3.5	94	0.00
70 tm 1,3,5-Trimethylbenzene	750.493	722.121 E3	3.8	93	0.00
71 TM tert-Butylbenzene	418.932	402.129 E3	4.0	93	0.00
72 tm 1,2,4-Trimethylbenzene	571.882	553.511 E3	3.2	94	0.00
73 tm sec-Butylbenzene	413.273	392.525 E3	5.0	92	0.00

(#) = Out of Range

CONFIRM.D VRX1021.M

Fri Oct 25 10:08:30 1996

RPT1

Page 2

Evaluate Continuing Calibration Report

Data File : C:\HPCHEM\5\DATA\NP7858.D\CONFIRM.D
 Acq On : 24 Oct 96 09:15 AM
 Sample : 5ppb STD.
 Misc : GNP248,W,,,,1

Vial: 1
 Operator: RMS
 Inst : GC-NP
 Multiplr: 1.00

Method : C:\HPCHEM\5\METHODS\VRX1021.M
 Title : 601/602 BY GC-PID AND GC-ELCD
 Last Update : Wed Oct 23 16:01:48 1996
 Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.10min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
74 TM 1,3-Dichlorobenzene	581.276	561.607 E3	3.4	95	0.00
75 TM 1,4-Dichlorobenzene	531.071	513.279 E3	3.4	95	0.00
76 tm p-Isopropyltoluene	462.351	438.833 E3	5.1	92	0.00
77 TM 1,2-Dichlorobenzene	455.870	439.369 E3	3.6	94	0.00
78 tm n-Butylbenzene	480.266	452.587 E3	5.8	91	0.00
79 tm 1,2,4-Trichlorobenzene	340.652	318.600 E3	6.5	92	0.00
80 tm Naphthalene	382.437	328.807 E3	14.0	88	0.00
81 tm Hexachlorobutadiene	283.504	263.648 E3	7.0	90	0.00
82 tm 1,2,3-Trichlorobenzene	335.395	314.852 E3	6.1	92	0.00
83 TM Methyl tert butyl ether	175.489	173.184 E3	1.3	97	0.00
84 tm 2-Chloroethylvinyl ether	93.580	81.143 E3	13.3	91	0.00

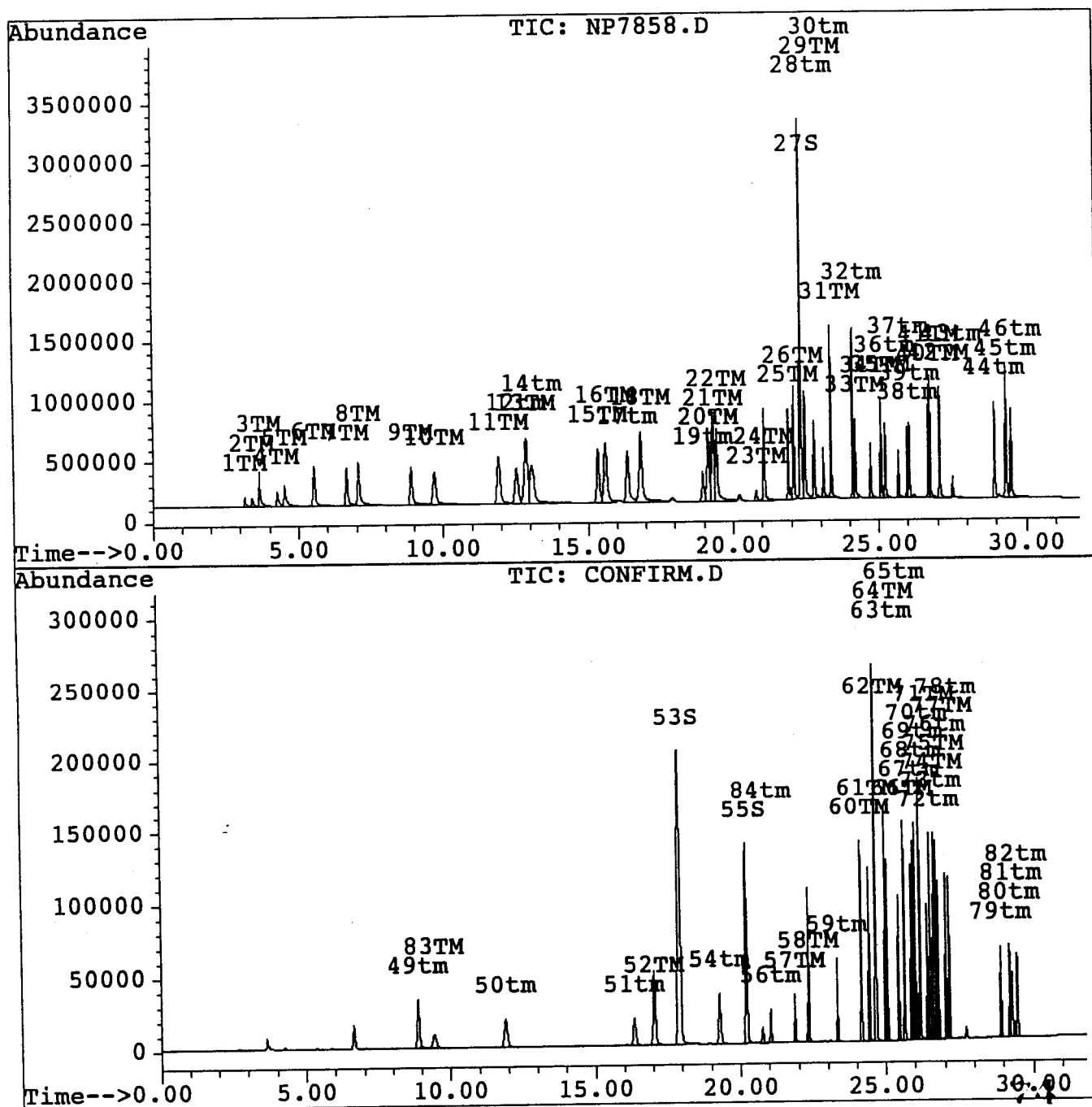
Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\NP7858.D
Signal #2 : C:\HPCHEM\5\DATA\NP7858.D\CONFIRM.D
Acq On : 24 Oct 96 09:15 AM
Sample : 5ppb STD.
Misc : GNP248,W,,,,,1
Quant Time: Oct 25 10:06 1996

Vial: 1
Operator: RMS
Inst : GC-NP
Multiplr: 1.00

Method : C:\HPCHEM\5\METHODS\VRX1021.M
Title : 601/602 BY GC-PID AND GC-ELCD
Last Update : Wed Oct 23 16:01:48 1996
Response via : Multiple Level Calibration

Volume Inj. : 5.0 ML PURGE VOLUME
Signal #1 Phase : (ELCD) J+W DBVRX Signal #2 Phase: (PID) J+W DBVRX 75mX
Signal #1 Info : Signal #2 Info :



Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\NP7858.D
Signal #2 : C:\HPCHEM\5\DATA\NP7858.D\CONFIRM.D
Acq On : 24 Oct 96 09:15 AM
Sample : 5ppb STD.
Misc : GNP248,W,,,,,1
Quant Time: Oct 25 10:06 1996

Vial: 1

Operator: RMS
Inst : GC-NP
Multiplr: 1.00

Method : C:\HPCHEM\5\METHODS\VRX1021.M
Title : 601/602 BY GC-PID AND GC-ELCD
Last Update : Wed Oct 23 16:01:48 1996
Response via : Multiple Level Calibration

Volume Inj. : 5.0 ML PURGE VOLUME
Signal #1 Phase : (ELCD) J+W DBVRX Signal #2 Phase: (PID) J+W DBVRX 75mX
Signal #1 Info : Signal #2 Info :

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
27) S 2-Bromo-1-Chloropropane	22.31	108339858	30.145 PPB
	Recovery	=	100.48%
53) S Fluorobenzene	17.90	12362165	30.510 PPB
	Recovery	=	101.70%
55) S aaa-Trifluorotoluene #2	20.21	6024668	30.422 PPB
	Recovery	=	101.41%
Target Compounds			
1) TM Dichlorodifluoromethane	3.15	3643236	4.403 PPB
2) TM Chloromethane	3.40	4022355	5.203 PPB
3) TM Vinyl Chloride	3.65	11747012	4.760 PPB
4) TM Bromomethane	4.27	6375424	5.320 PPB
5) TM Chloroethane	4.52	10950558	5.344 PPB
6) TM Trichlorofluoromethane	5.54	18941679	5.090 PPB
7) TM 1,1-Dichloroethene	6.66	17635942	4.947 PPB
8) TM Methylene Chloride	7.07	24798383	4.498 PPB
9) TM trans-1,2-Dichloroethene	8.90	21552490	5.030 PPB
10) TM 1,1-Dichloroethane	9.70	26312772	5.385 PPB
11) TM cis-1,2-Dichloroethene	11.92	34023511	5.057 PPB
12) tm Bromochloromethane	12.53	23769985	5.185 PPB
13) TM Chloroform	12.86	45447008	5.128 PPB
14) tm 2,2-Dichloropropane	13.06	41755563	5.040 PPB
15) TM 1,2-Dichloroethane	15.34	29199146	5.121 PPB
16) TM 1,1,1-Trichloroethane	15.60	44333358	4.824 PPB
17) tm 1,1-Dichloropropene	16.36	31877590	5.171 PPB
18) TM Carbon Tetrachloride	16.82	53758481	5.111 PPB
19) tm Dibromomethane	18.96	13793502	4.794 PPB
20) TM 1,2-Dichloropropane	19.14	31380621	5.067 PPB
21) TM Trichloroethene	19.31	39035478	5.026 PPB
22) TM Bromodichloromethane	19.43	39122568	4.952 PPB
23) TM 2-Chloroethylvinyl ether	20.79	3925862	4.399 PPB m
24) TM cis-1,3-Dichloropropene	21.07	29477341	4.945 PPB
25) TM trans-1,3-Dichloropropene	21.89	23227194	4.994 PPB
26) TM 1,1,2-Trichloroethane	22.07	30570609	4.998 PPB
28) tm 1,3-Dichloropropane	22.46	29650272	5.539 PPB
29) TM Dibromochloromethane	22.76	20638841	5.023 PPB

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\NP7858.D
Signal #2 : C:\HPCHEM\5\DATA\NP7858.D\CONFIRM.D
Acq On : 24 Oct 96 09:15 AM
Sample : 5ppb STD.
Misc : GNP248,W,,,,1
Quant Time: Oct 25 10:06 1996

Vial: 1
Operator: RMS
Inst : GC-NP
Multiplr: 1.00

Method : C:\HPCHEM\5\METHODS\VRX1021.M
Title : 601/602 BY GC-PID AND GC-ELCD
Last Update : Wed Oct 23 16:01:48 1996
Response via : Multiple Level Calibration

Volume Inj. : 5.0 ML PURGE VOLUME
Signal #1 Phase : (ELCD) J+W DBVRX Signal #2 Phase: (PID) J+W DBVRX 75mX
Signal #1 Info : Signal #2 Info :

	Compound	R.T.	Response	Conc Units
30)	tm 1,2-Dibromoethane	23.08	12059489	4.945 PPB
31)	TM Tetrachloroethene	23.35	38209719	4.793 PPB
32)	tm 1,1,1,2-Tetrachloroethane	24.09	35783923	5.000 PPB
33)	TM Chlorobenzene	24.17	17135433	4.915 PPB
34)	TM Bromoform	24.70	12453167	5.170 PPB
35)	TM 1,1,2,2-Tetrachloroethane	25.07	19575032	4.953 PPB
36)	tm 1,2,3-Trichloropropane	25.21	16174505	4.713 PPB
37)	tm Bromobenzene	25.66	10296584	4.932 PPB
38)	tm 2-Chlorotoluene	25.96	12777494	5.114 PPB
39)	tm 4-Chlorotoluene	26.03	14343250	4.904 PPB
40)	TM 1,3-Dichlorobenzene	26.67	19210573	4.924 PPB
41)	TM 1,4-Dichlorobenzene	26.74	23399116	4.868 PPB
42)	TM 1,2-Dichlorobenzene	27.05	21590689	4.851 PPB
43)	tm 1,2-Dibromomo-3-chloroprop	27.49	4763669	4.834 PPB m
44)	tm 1,2,4-Trichlorobenzene	28.93	22206907	4.720 PPB
45)	tm Hexachlorobutadiene	29.31	35493867	4.793 PPB
46)	tm 1,2,3-Trichlorobenzene	29.48	27450404	4.863 PPB
49)	tm trans-1,2-Dichloroethene	8.88	1913427	4.930 PPB
50)	tm cis-1,2-Dichloroethene	11.90	1501672	4.946 PPB
51)	tm 1,1-Dichloropropene	16.34	1211390	4.853 PPB
52)	TM Benzene	17.03	3106801	4.867 PPB
54)	tm Trichloroethene	19.29	1754363	4.851 PPB
56)	tm cis-1,3-Dichloropropene	21.05	741848	4.877 PPB
57)	TM trans-1,3-Dichloropropene	21.87	951473	4.866 PPB
58)	TM Toluene	22.34	2964165	4.723 PPB m
59)	tm Tetrachloroethene	23.33	1378411	4.844 PPB
60)	TM Chlorobenzene	24.15	3042265	4.854 PPB
61)	TM Ethylbenzene	24.42	2639968	4.847 PPB
62)	TM m,p-Xylene	24.65	6379345	9.755 PPB
63)	tm Styrene	24.98	3195962	4.881 PPB
64)	TM o-Xylene	25.05	2623551	4.844 PPB
65)	tm Isopropylbenzene	25.44	2182573	4.805 PPB
66)	TM Bromobenzene	25.63	3049868	4.843 PPB
67)	tm n-Propylbenzene	25.87	2416749	4.815 PPB
68)	tm 2-Chlorotoluene	25.94	2739315	4.818 PPB
69)	tm 4-Chlorotoluene	26.02	2931230	4.825 PPB
70)	tm 1,3,5-Trimethylbenzene	26.16	3610604	4.811 PPB
71)	TM tert-Butylbenzene	26.40	2010646	4.799 PPB

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\NP7858.D
Signal #2 : C:\HPCHEM\5\DATA\NP7858.D\CONFIRM.D
Acq On : 24 Oct 96 09:15 AM
Sample : 5ppb STD.
Misc : GNP248,W,,,,,1
Quant Time: Oct 25 10:06 1996

Vial: 1
Operator: RMS
Inst : GC-NP
Multiplr: 1.00

Method : C:\HPCHEM\5\METHODS\VRX1021.M
Title : 601/602 BY GC-PID AND GC-ELCD
Last Update : Wed Oct 23 16:01:48 1996
Response via : Multiple Level Calibration

Volume Inj. : 5.0 ML PURGE VOLUME
Signal #1 Phase : (ELCD) J+W DBVRX Signal #2 Phase: (PID) J+W DBVRX 75mX
Signal #1 Info : Signal #2 Info :

	Compound	R.T.	Response	Conc	Units
72)	tm 1,2,4-Trimethylbenzene	26.52	2767554	4.839	PPB
73)	tm sec-Butylbenzene	26.61	1962623	4.749	PPB
74)	TM 1,3-Dichlorobenzene	26.65	2808036	4.831	PPB
75)	TM 1,4-Dichlorobenzene	26.72	2566394	4.832	PPB
76)	tm p-Isopropyltoluene	26.78	2194164	4.746	PPB
77)	TM 1,2-Dichlorobenzene	27.04	2196845	4.819	PPB
78)	tm n-Butylbenzene	27.15	2262937	4.712	PPB
79)	tm 1,2,4-Trichlorobenzene	28.91	1593002	4.676	PPB
80)	tm Naphthalene	29.21	1644037	4.299	PPB
81)	tm Hexachlorobutadiene	29.29	1318241	4.650	PPB
82)	tm 1,2,3-Trichlorobenzene	29.46	1574260	4.694	PPB
83)	TM Methyl tert butyl ether	9.44	865919	4.934	PPB
84)	tm 2-Chloroethylvinyl ether	20.77	405716	4.336	PPB m

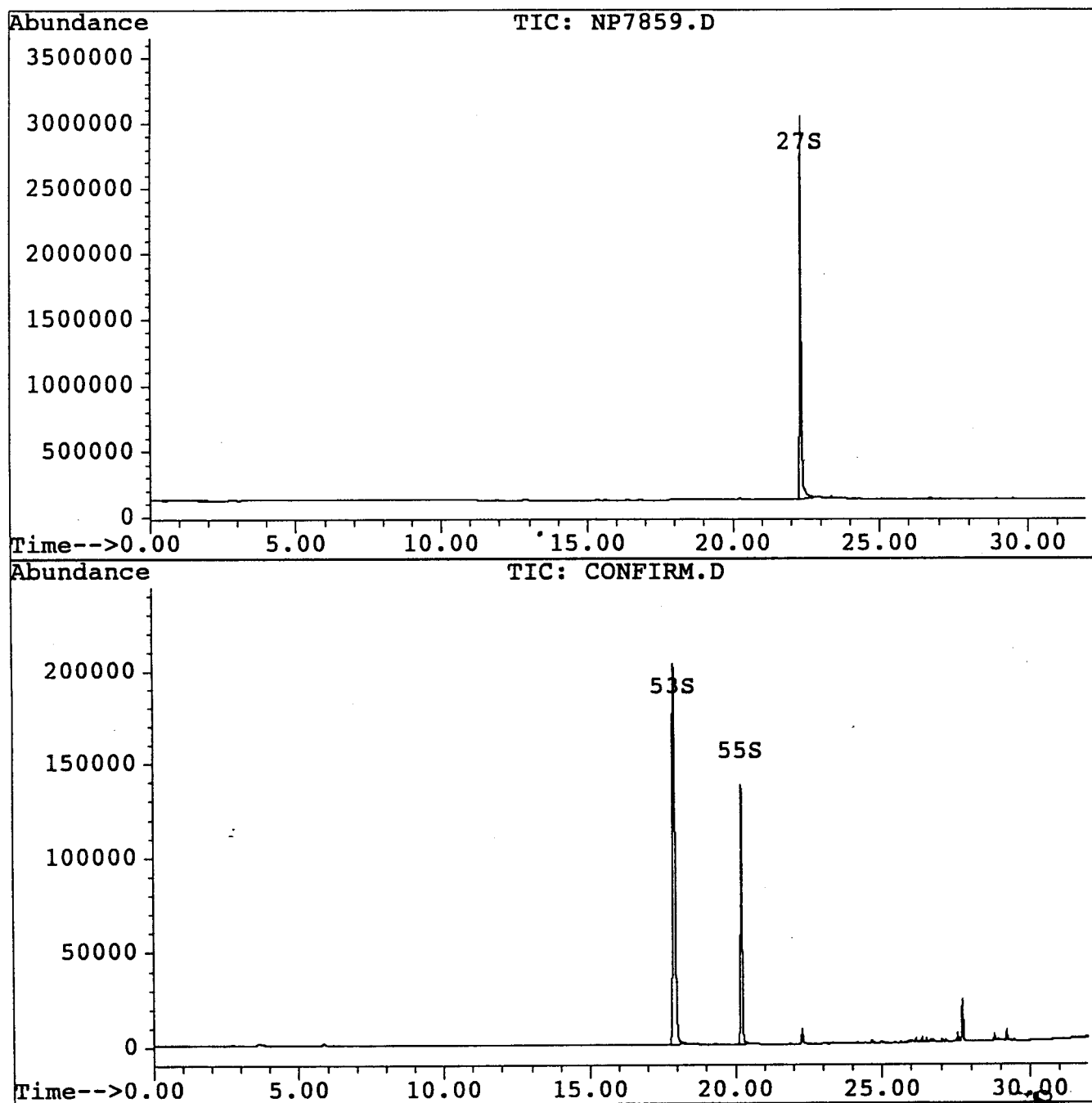
Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\NP7859.D
 Signal #2 : C:\HPCHEM\5\DATA\NP7859.D\CONFIRM.D
 Acq On : 24 Oct 96 10:09 AM
 Sample : MB2,
 Misc : GC3033,GNP248,W,,,1
 Quant Time: Oct 25 12:16 1996

Vial: 2
 Operator: RMS
 Inst : GC-NP
 Multiplr: 1.00

Method : C:\HPCHEM\5\METHODS\VRX1021.M
 Title : 601/602 BY GC-PID AND GC-ELCD
 Last Update : Wed Oct 23 16:01:48 1996
 Response via : Multiple Level Calibration

Volume Inj. : 5.0 ML PURGE VOLUME
 Signal #1 Phase : (ELCD) J+W DBVRX Signal #2 Phase: (PID) J+W DBVRX 75mX
 Signal #1 Info : Signal #2 Info :



Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\NP7859.D
Signal #2 : C:\HPCHEM\5\DATA\NP7859.D\CONFIRM.D
Acq On : 24 Oct 96 10:09 AM
Sample : MB2,
Misc : GC3033,GNP248,W,,,,1
Quant Time: Oct 25 12:16 1996

Vial: 2
Operator: RMS
Inst : GC-NP
Multiplr: 1.00

Method : C:\HPCHEM\5\METHODS\VRX1021.M
Title : 601/602 BY GC-PID AND GC-ELCD
Last Update : Wed Oct 23 16:01:48 1996
Response via : Multiple Level Calibration

RMS
10/28/96

Volume Inj. : 5.0 ML PURGE VOLUME
Signal #1 Phase : (ELCD) J+W DBVRX Signal #2 Phase: (PID) J+W DBVRX 75mX
Signal #1 Info : Signal #2 Info :

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
27) S 2-Bromo-1-Chloropropane	22.31	105916236	29.470 PPB
		Recovery =	98.23%
53) S Fluorobenzene	17.90	12432949	30.684 PPB
		Recovery =	102.28%
55) S aaa-Trifluorotoluene #2	20.21	6126718	30.937 PPB
		Recovery =	103.12%

Target Compounds

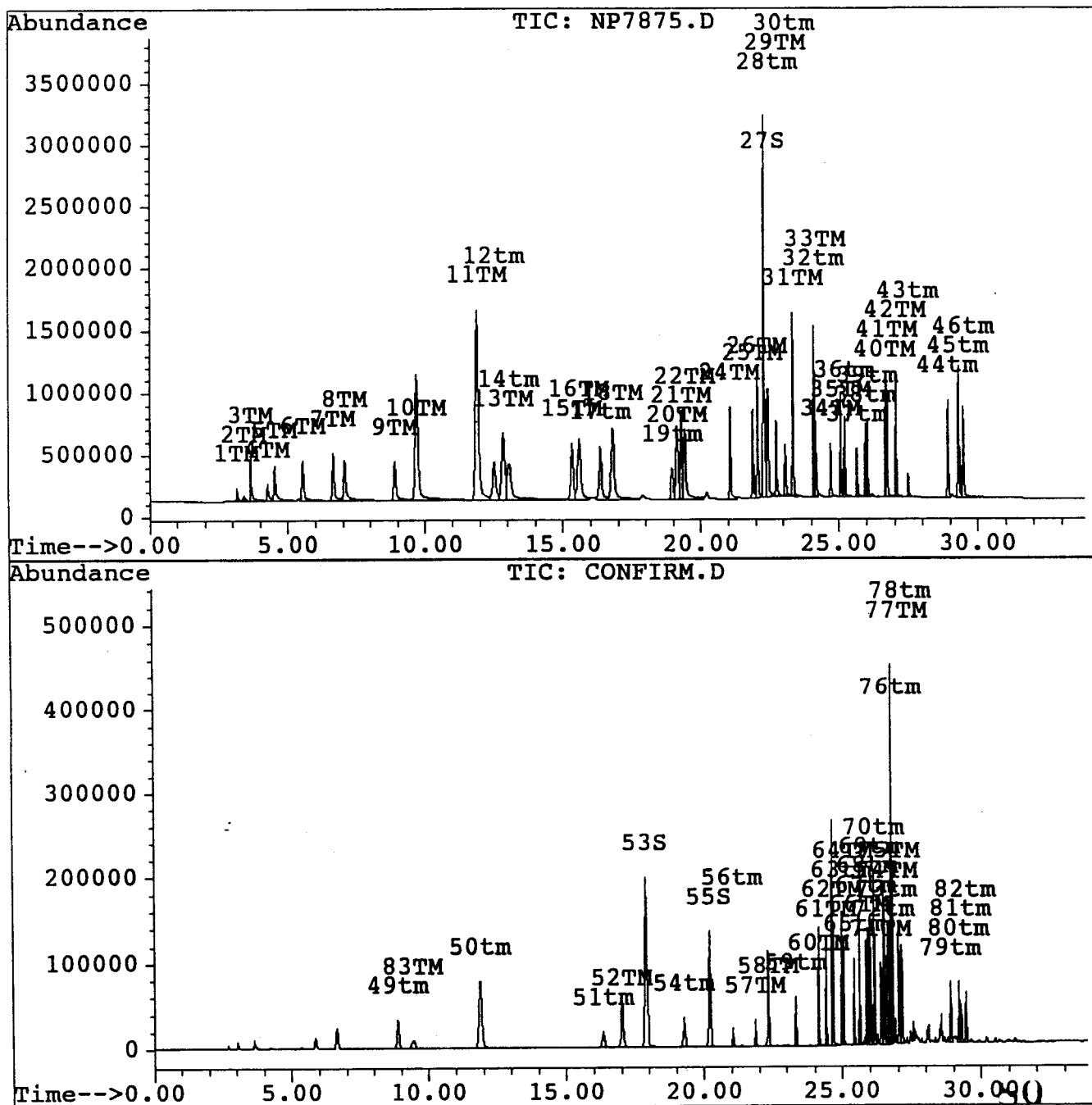
Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\NP7875.D
 Signal #2 : C:\HPCHEM\5\DATA\NP7875.D\CONFIRM.D
 Acq On : 24 Oct 96 10:40 PM
 Sample : E15565-4MS,
 Misc : GC3045,GNP248,W,,,,,1
 Quant Time: Oct 25 11:15 1996

Vial: 15
 Operator: RMS
 Inst : GC-NP
 Multiplr: 1.00

Method : C:\HPCHEM\5\METHODS\VRX1021.M
 Title : 601/602 BY GC-PID AND GC-ELCD
 Last Update : Wed Oct 23 16:01:48 1996
 Response via : Multiple Level Calibration

Volume Inj. : 5.0 ML PURGE VOLUME
 Signal #1 Phase : (ELCD) J+W DBVRX Signal #2 Phase: (PID) J+W DBVRX 75mX
 Signal #1 Info : Signal #2 Info :



Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\NP7875.D
Signal #2 : C:\HPCHEM\5\DATA\NP7875.D\CONFIRM.D
Acq On : 24 Oct 96 10:40 PM
Sample : E15565-4MS,
Misc : GC3045,GNP248,W,,,1
Quant Time: Oct 25 11:15 1996

Vial: 15
Operator: RMS
Inst : GC-NP
Multiplr: 1.00

Method : C:\HPCHEM\5\METHODS\VRX1021.M
Title : 601/602 BY GC-PID AND GC-ELCD
Last Update : Wed Oct 23 16:01:48 1996
Response via : Multiple Level Calibration

Volume Inj. : 5.0 ML PURGE VOLUME
Signal #1 Phase : (ELCD) J+W DBVRX Signal #2 Phase: (PID) J+W DBVRX 75mX
Signal #1 Info : Signal #2 Info :

Compound		R.T.	Response	Conc Units

System Monitoring Compounds				
27) S	2-Bromo-1-Chloropropane	22.30	104806027	29.162 PPB
			Recovery =	97.21%
53) S	Fluorobenzene	17.89	11981263	29.570 PPB
			Recovery =	98.57%
55) S	aaa-Trifluorotoluene #2	20.21	5869166	29.636 PPB
			Recovery =	98.79%
Target Compounds				
1) TM	Dichlorodifluoromethane	3.15	3729495	4.508 PPB
2) TM	Chloromethane	3.39	2444628	3.162 PPB
3) TM	Vinyl Chloride	3.65	13908636	5.636 PPB
4) TM	Bromomethane	4.26	6023303	5.027 PPB
5) TM	Chloroethane	4.52	14636654	7.143 PPB
6) TM	Trichlorofluoromethane	5.53	18339274	4.928 PPB
7) TM	1,1-Dichloroethene	6.65	20840548	5.846 PPB
8) TM	Methylene Chloride	7.06	23050596	4.181 PPB
9) TM	trans-1,2-Dichloroethene	8.89	21291078	4.969 PPB
10) TM	1,1-Dichloroethane	9.69	87672789	17.944 PPB
11) TM	cis-1,2-Dichloroethene	11.91	127037540	18.882 PPB
12) tm	Bromochloromethane	12.52	25459862	5.554 PPB
13) TM	Chloroform	12.85	45433640	5.126 PPB
14) tm	2,2-Dichloropropane	13.05	41514747	5.011 PPB
15) TM	1,2-Dichloroethane	15.33	29830723	5.232 PPB
16) TM	1,1,1-Trichloroethane	15.60	43521018	4.736 PPB
17) tm	1,1-Dichloropropene	16.36	30608599	4.966 PPB
18) TM	Carbon Tetrachloride	16.81	50685085	4.819 PPB
19) tm	Dibromomethane	18.95	13650257	4.744 PPB
20) TM	1,2-Dichloropropane	19.14	31455017	5.079 PPB
21) TM	Trichloroethene	19.30	38850805	5.002 PPB
22) TM	Bromodichloromethane	19.42	37631157	4.764 PPB
24) TM	cis-1,3-Dichloropropene	21.06	26849374	4.504 PPB
25) TM	trans-1,3-Dichloropropene	21.89	22503778	4.839 PPB
26) TM	1,1,2-Trichloroethane	22.07	30519704	4.990 PPB
28) tm	1,3-Dichloropropane	22.45	29104803	5.437 PPB
29) TM	Dibromochloromethane	22.75	19762563	4.809 PPB
30) tm	1,2-Dibromoethane	23.08	12076154	4.951 PPB

(f)=RT Delta > 1/2 Window

NP7875.D VRX1021.M

Fri Oct 25 12:03:34 1996

(m)=manual int.

RPT1

Page 1

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\NP7875.D
 Signal #2 : C:\HPCHEM\5\DATA\NP7875.D\CONFIRM.D
 Acq On : 24 Oct 96 10:40 PM
 Sample : E15565-4MS,
 Misc : GC3045,GNP248,W,,,,,1
 Quant Time: Oct 25 11:15 1996

Vial: 15
 Operator: RMS
 Inst : GC-NP
 Multiplr: 1.00

Method : C:\HPCHEM\5\METHODS\VRX1021.M
 Title : 601/602 BY GC-PID AND GC-ELCD
 Last Update : Wed Oct 23 16:01:48 1996
 Response via : Multiple Level Calibration

Volume Inj. : 5.0 ML PURGE VOLUME
 Signal #1 Phase : (ELCD) J+W DBVRX Signal #2 Phase: (PID) J+W DBVRX 75mX
 Signal #1 Info : Signal #2 Info :

	Compound	R.T.	Response	Conc Units
31)	TM Tetrachloroethene	23.34	38698887	4.855 PPB
32)	tm 1,1,1,2-Tetrachloroethane	24.09	34804963	4.863 PPB
33)	TM Chlorobenzene	24.17	16518628	4.738 PPB
34)	TM Bromoform	24.70	11629444	4.828 PPB
35)	TM 1,1,2,2-Tetrachloroethane	25.06	19929098	5.043 PPB
36)	tm 1,2,3-Trichloropropane	25.21	16411605	4.782 PPB
37)	tm Bromobenzene	25.65	10164182	4.868 PPB
38)	tm 2-Chlorotoluene	25.95	12668077	5.070 PPB
39)	tm 4-Chlorotoluene	26.03	13846379	4.734 PPB
40)	TM 1,3-Dichlorobenzene	26.67	18812789	4.822 PPB
41)	TM 1,4-Dichlorobenzene	26.73	22701376	4.723 PPB
42)	TM 1,2-Dichlorobenzene	27.05	22342338	5.020 PPB
43)	tm 1,2-Dibromomo-3-chloroprop	27.49	5234291	5.311 PPB m
44)	tm 1,2,4-Trichlorobenzene	28.92	21917871	4.659 PPB
45)	tm Hexachlorobutadiene	29.30	34512534	4.660 PPB
46)	tm 1,2,3-Trichlorobenzene	29.48	25791422	4.569 PPB
49)	tm trans-1,2-Dichloroethene	8.87	1908279	4.917 PPB
50)	tm cis-1,2-Dichloroethene	11.89	6102027	20.099 PPB
51)	tm 1,1-Dichloropropene	16.34	1198591	4.802 PPB
52)	TM Benzene	17.02	3149879	4.934 PPB
54)	tm Trichloroethene	19.28	1752005	4.845 PPB
56)	tm cis-1,3-Dichloropropene	21.04	697319	4.584 PPB
57)	TM trans-1,3-Dichloropropene	21.87	898931	4.598 PPB
58)	TM Toluene	22.34	3235863	5.156 PPB
59)	tm Tetrachloroethene	23.33	1392230	4.893 PPB
60)	TM Chlorobenzene	24.15	3044026	4.856 PPB
61)	TM Ethylbenzene	24.42	2638889	4.845 PPB
62)	TM m,p-Xylene	24.65	6393929	9.777 PPB
63)	tm Styrene	24.98	3096023	4.728 PPB
64)	TM o-Xylene	25.05	2678180	4.944 PPB
65)	tm Isopropylbenzene	25.43	2223448	4.895 PPB
66)	TM Bromobenzene	25.63	3003513	4.769 PPB
67)	tm n-Propylbenzene	25.87	2452372	4.886 PPB
68)	tm 2-Chlorotoluene	25.93	2755395	4.846 PPB
69)	tm 4-Chlorotoluene	26.01	3102470	5.107 PPB
70)	tm 1,3,5-Trimethylbenzene	26.16	4189412	5.582 PPB
71)	TM tert-Butylbenzene	26.40	2125678	5.074 PPB
72)	tm 1,2,4-Trimethylbenzene	26.51	3692904	6.457 PPB

(f)=RT Delta > 1/2 Window

(m)=manual int.

NP7875.D VRX1021.M

Fri Oct 25 12:03:48 1996

RPT1

Page 2

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\NP7875.D
Signal #2 : C:\HPCHEM\5\DATA\NP7875.D\CONFIRM.D
Acq On : 24 Oct 96 10:40 PM
Sample : E15565-4MS,
Misc : GC3045,GNP248,W,,,,1
Quant Time: Oct 25 11:15 1996

Vial: 15
Operator: RMS
Inst : GC-NP
Multiplr: 1.00

Method : C:\HPCHEM\5\METHODS\VRX1021.M
Title : 601/602 BY GC-PID AND GC-ELCD
Last Update : Wed Oct 23 16:01:48 1996
Response via : Multiple Level Calibration

Volume Inj. : 5.0 ML PURGE VOLUME
Signal #1 Phase : (ELCD) J+W DBVRX Signal #2 Phase: (PID) J+W DBVRX 75mX
Signal #1 Info : Signal #2 Info :

	Compound	R.T.	Response	Conc Units
73)	tm sec-Butylbenzene	26.60	2111219	5.109 PPB
74)	TM 1,3-Dichlorobenzene	26.65	2769109	4.764 PPB
75)	TM 1,4-Dichlorobenzene	26.71	2610372	4.915 PPB
76)	tm p-Isopropyltoluene	26.79	10544877	22.807 PPB
77)	TM 1,2-Dichlorobenzene	27.03	2709335	5.943 PPB
78)	tm n-Butylbenzene	27.15	2530675	5.269 PPB
79)	tm 1,2,4-Trichlorobenzene	28.90	1890265	5.549 PPB
80)	tm Naphthalene	29.21	1940620	5.074 PPB
81)	tm Hexachlorobutadiene	29.28	1317539	4.647 PPB
82)	tm 1,2,3-Trichlorobenzene	29.46	1602381	4.778 PPB
83)	TM Methyl tert butyl ether	9.43	859786	4.899 PPB

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\NP7876.D
Signal #2 : C:\HPCHEM\5\DATA\NP7876.D\CONFIRM.D
Acq On : 24 Oct 96 11:23 PM
Sample : E15565-4MSD,
Misc : GC3045,GNP248,W,,,,,1
Quant Time: Oct 25 11:16 1996

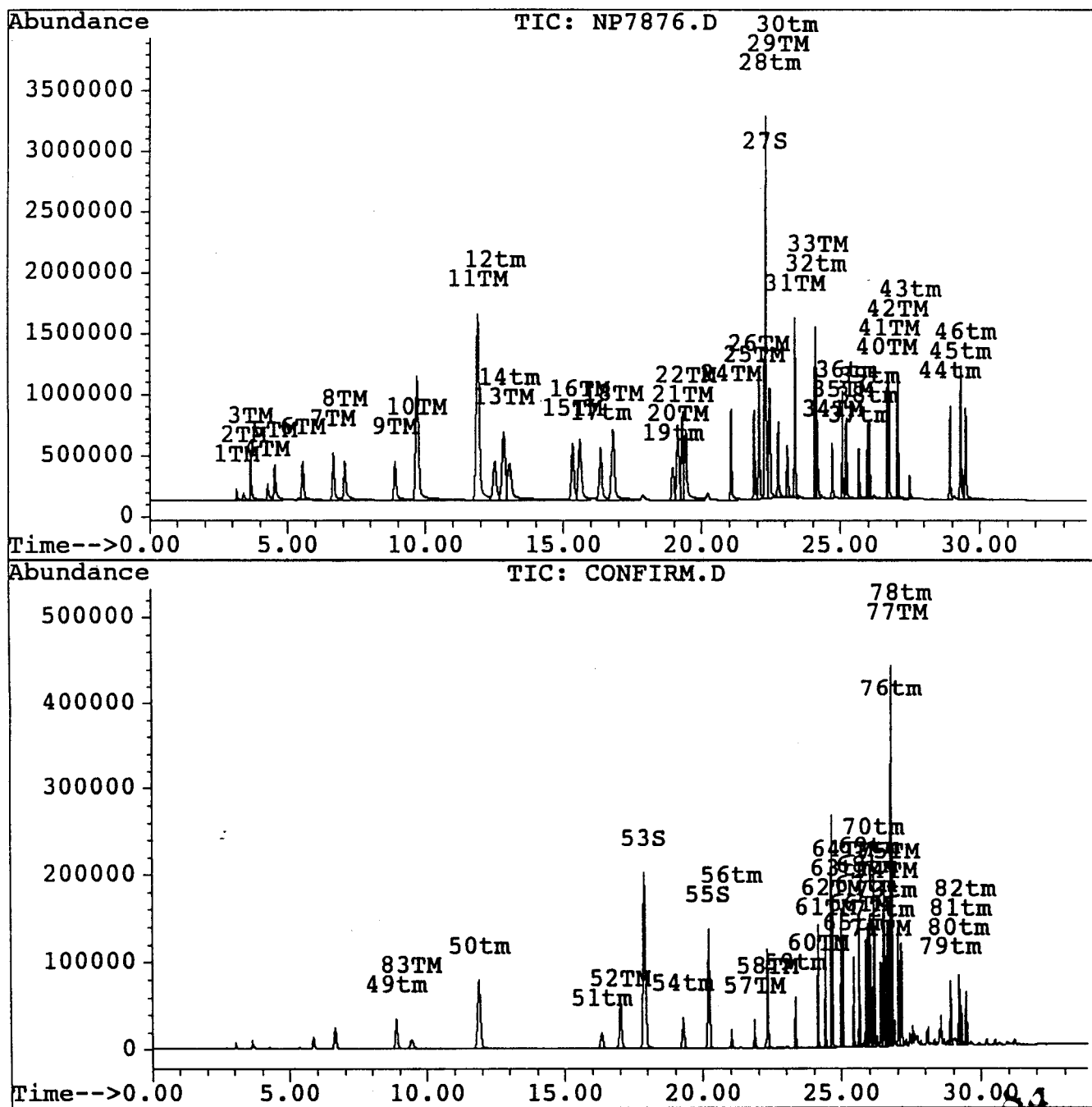
Vial: 16

Operator: RMS
Inst : GC-NP
Multiplr: 1.00

Method : C:\HPCHEM\5\METHODS\VRX1021.M
Title : 601/602 BY GC-PID AND GC-ELCD
Last Update : Wed Oct 23 16:01:48 1996
Response via : Multiple Level Calibration

Volume Inj. : 5.0 ML PURGE VOLUME

Signal #1 Phase : (ELCD) J+W DBVRX Signal #2 Phase: (PID) J+W DBVRX 75mX
Signal #1 Info : Signal #2 Info :



Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\NP7876.D
Signal #2 : C:\HPCHEM\5\DATA\NP7876.D\CONFIRM.D
Acq On : 24 Oct 96 11:23 PM
Sample : E15565-4MSD,
Misc : GC3045,GNP248,W,,,1
Quant Time: Oct 25 11:16 1996

Vial: 16
Operator: RMS
Inst : GC-NP
Multiplr: 1.00

Method : C:\HPCHEM\5\METHODS\VRX1021.M
Title : 601/602 BY GC-PID AND GC-ELCD
Last Update : Wed Oct 23 16:01:48 1996
Response via : Multiple Level Calibration

Volume Inj. : 5.0 ML PURGE VOLUME
Signal #1 Phase : (ELCD) J+W DBVRX Signal #2 Phase: (PID) J+W DBVRX 75mX
Signal #1 Info : Signal #2 Info :

Compound		R.T.	Response	Conc Units

System Monitoring Compounds				
27)	S 2-Bromo-1-Chloropropane	22.30	106149638	29.535 PPB
			Recovery =	98.45%
53)	S Fluorobenzene	17.89	12210114	30.134 PPB
			Recovery =	100.45%
55)	S aaa-Trifluorotoluene #2	20.21	5954340	30.066 PPB
			Recovery =	100.22%
Target Compounds				
1)	TM Dichlorodifluoromethane	3.15	3672336	4.439 PPB
2)	TM Chloromethane	3.39	3005498	3.888 PPB
3)	TM Vinyl Chloride	3.65	13922210	5.642 PPB
4)	TM Bromomethane	4.26	6185055	5.162 PPB
5)	TM Chloroethane	4.52	15308122	7.470 PPB
6)	TM Trichlorofluoromethane	5.53	18252969	4.905 PPB
7)	TM 1,1-Dichloroethene	6.65	21018207	5.896 PPB
8)	TM Methylene Chloride	7.06	22991754	4.170 PPB
9)	TM trans-1,2-Dichloroethene	8.89	21554399	5.030 PPB
10)	TM 1,1-Dichloroethane	9.69	87247019	17.857 PPB
11)	TM cis-1,2-Dichloroethene	11.91	127489798	18.949 PPB
12)	tm Bromochloromethane	12.52	26748231	5.835 PPB
13)	TM Chloroform	12.85	46979159	5.301 PPB
14)	tm 2,2-Dichloropropane	13.05	41557988	5.016 PPB
15)	TM 1,2-Dichloroethane	15.34	30710108	5.386 PPB
16)	TM 1,1,1-Trichloroethane	15.59	44514942	4.844 PPB
17)	tm 1,1-Dichloropropene	16.36	30652537	4.973 PPB
18)	TM Carbon Tetrachloride	16.81	50798681	4.829 PPB
19)	tm Dibromomethane	18.95	14489637	5.036 PPB
20)	TM 1,2-Dichloropropane	19.14	31885280	5.148 PPB
21)	TM Trichloroethene	19.31	38898018	5.008 PPB
22)	TM Bromodichloromethane	19.43	38325206	4.851 PPB
24)	TM cis-1,3-Dichloropropene	21.06	27189933	4.561 PPB
25)	TM trans-1,3-Dichloropropene	21.89	22642102	4.869 PPB
26)	TM 1,1,2-Trichloroethane	22.07	31597087	5.166 PPB
28)	tm 1,3-Dichloropropane	22.45	29843680	5.575 PPB
29)	TM Dibromochloromethane	22.75	19931190	4.850 PPB
30)	tm 1,2-Dibromoethane	23.08	12237560	5.018 PPB

(f)=RT Delta > 1/2 Window

NP7876.D VRX1021.M

Fri Oct 25 12:05:15 1996

(m)=manual int.

RPT1

Page 1

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\NP7876.D
Signal #2 : C:\HPCHEM\5\DATA\NP7876.D\CONFIRM.D
Acq On : 24 Oct 96 11:23 PM
Sample : E15565-4MSD,
Misc : GC3045,GNP248,W,,,1
Quant Time: Oct 25 11:16 1996

Vial: 16
Operator: RMS
Inst : GC-NP
Multiplr: 1.00

Method : C:\HPCHEM\5\METHODS\VRX1021.M
Title : 601/602 BY GC-PID AND GC-ELCD
Last Update : Wed Oct 23 16:01:48 1996
Response via : Multiple Level Calibration

Volume Inj. : 5.0 ML PURGE VOLUME

Signal #1 Phase : (ELCD) J+W DBVRX Signal #2 Phase: (PID) J+W DBVRX 75mX
Signal #1 Info : Signal #2 Info :

	Compound	R.T.	Response	Conc	Units
31)	TM Tetrachloroethene	23.34	39060786	4.900	PPB
32)	tm 1,1,1,2-Tetrachloroethane	24.09	35501464	4.960	PPB
33)	TM Chlorobenzene	24.17	16685760	4.786	PPB
34)	TM Bromoform	24.70	11935237	4.955	PPB
35)	TM 1,1,2,2-Tetrachloroethane	25.06	20800850	5.264	PPB
36)	tm 1,2,3-Trichloropropane	25.21	17190136	5.008	PPB
37)	tm Bromobenzene	25.65	10469894	5.015	PPB
38)	tm 2-Chlorotoluene	25.95	13044847	5.221	PPB
39)	tm 4-Chlorotoluene	26.03	14291623	4.886	PPB
40)	TM 1,3-Dichlorobenzene	26.67	19627973	5.031	PPB
41)	TM 1,4-Dichlorobenzene	26.73	24002274	4.993	PPB
42)	TM 1,2-Dichlorobenzene	27.05	22521602	5.060	PPB
43)	tm 1,2-Dibromomo-3-chloroprop	27.49	5300542	5.378	PPB m
44)	tm 1,2,4-Trichlorobenzene	28.92	21670268	4.606	PPB
45)	tm Hexachlorobutadiene	29.30	35040100	4.732	PPB
46)	tm 1,2,3-Trichlorobenzene	29.48	26897806	4.765	PPB
49)	tm trans-1,2-Dichloroethene	8.87	1945026	5.012	PPB
50)	tm cis-1,2-Dichloroethene	11.89	6080822	20.029	PPB
51)	tm 1,1-Dichloropropene	16.34	1207057	4.836	PPB
52)	TM Benzene	17.03	3187481	4.993	PPB
54)	tm Trichloroethene	19.28	1773203	4.904	PPB
56)	tm cis-1,3-Dichloropropene	21.04	710896	4.673	PPB
57)	TM trans-1,3-Dichloropropene	21.87	913779	4.674	PPB
58)	TM Toluene	22.34	3291610	5.245	PPB
59)	tm Tetrachloroethene	23.33	1413788	4.968	PPB
60)	TM Chlorobenzene	24.15	3092850	4.934	PPB
61)	TM Ethylbenzene	24.42	2672653	4.907	PPB
62)	TM m,p-Xylene	24.65	6456023	9.872	PPB
63)	tm Styrene	24.98	3123774	4.770	PPB
64)	TM o-Xylene	25.05	2699090	4.983	PPB
65)	tm Isopropylbenzene	25.43	2236796	4.925	PPB
66)	TM Bromobenzene	25.63	3054809	4.850	PPB
67)	tm n-Propylbenzene	25.87	2479927	4.941	PPB
68)	tm 2-Chlorotoluene	25.93	2863460	5.036	PPB
69)	tm 4-Chlorotoluene	26.01	3126859	5.147	PPB
70)	tm 1,3,5-Trimethylbenzene	26.16	4194701	5.589	PPB
71)	TM tert-Butylbenzene	26.40	2129800	5.084	PPB
72)	tm 1,2,4-Trimethylbenzene	26.51	3711618	6.490	PPB

(f)=RT Delta > 1/2 Window

(m)=manual int.

NP7876.D VRX1021.M

Fri Oct 25 12:05:29 1996

RPT1

Page 2

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\NP7876.D
Signal #2 : C:\HPCHEM\5\DATA\NP7876.D\CONFIRM.D
Acq On : 24 Oct 96 11:23 PM
Sample : E15565-4MSD,
Misc : GC3045,GNP248,W,,,,1
Quant Time: Oct 25 11:16 1996

Vial: 16
Operator: RMS
Inst : GC-NP
Multiplr: 1.00

Method : C:\HPCHEM\5\METHODS\VRX1021.M
Title : 601/602 BY GC-PID AND GC-ELCD
Last Update : Wed Oct 23 16:01:48 1996
Response via : Multiple Level Calibration

Volume Inj. : 5.0 ML PURGE VOLUME
Signal #1 Phase : (ELCD) J+W DBVRX Signal #2 Phase: (PID) J+W DBVRX 75mX
Signal #1 Info : Signal #2 Info :

	Compound	R.T.	Response	Conc Units
73)	tm sec-Butylbenzene	26.60	2125402	5.143 PPB
74)	TM 1,3-Dichlorobenzene	26.65	2833362	4.874 PPB
75)	TM 1,4-Dichlorobenzene	26.71	2660940	5.011 PPB
76)	tm p-Isopropyltoluene	26.79	10367866	22.424 PPB
77)	TM 1,2-Dichlorobenzene	27.03	2758531	6.051 PPB
78)	tm n-Butylbenzene	27.15	2551343	5.312 PPB
79)	tm 1,2,4-Trichlorobenzene	28.90	1934453	5.679 PPB
80)	tm Naphthalene	29.21	2155654	5.637 PPB
81)	tm Hexachlorobutadiene	29.28	1345711	4.747 PPB
82)	tm 1,2,3-Trichlorobenzene	29.46	1652327	4.927 PPB
83)	TM Methyl tert butyl ether	9.43	890988	5.077 PPB

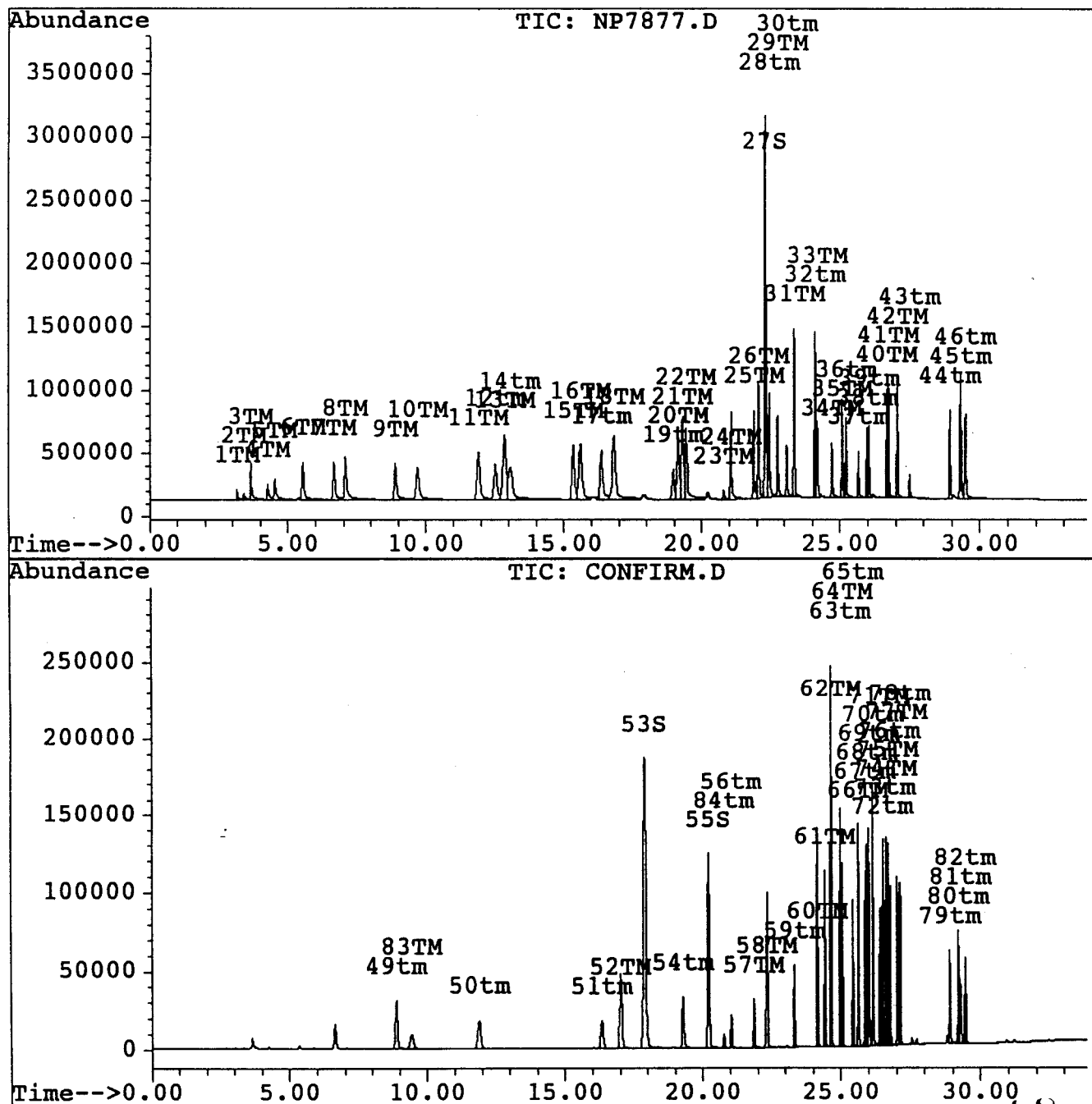
Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\NP7877.D
 Signal #2 : C:\HPCHEM\5\DATA\NP7877.D\CONFIRM.D
 Acq On : 25 Oct 96 00:06 AM
 Sample : BS2,
 Misc : GC3045,GNP248,W,,,1
 Quant Time: Oct 25 8:49 1996

Vial: 1
 Operator: RMS
 Inst : GC-NP
 Multiplr: 1.00

Method : C:\HPCHEM\5\METHODS\VRX1021.M
 Title : 601/602 BY GC-PID AND GC-ELCD
 Last Update : Wed Oct 23 16:01:48 1996
 Response via : Multiple Level Calibration

Volume Inj. : 5.0 ML PURGE VOLUME
 Signal #1 Phase : (ELCD) J+W DBVRX Signal #2 Phase: (PID) J+W DBVRX 75mX
 Signal #1 Info : Signal #2 Info :



Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\NP7877.D
Signal #2 : C:\HPCHEM\5\DATA\NP7877.D\CONFIRM.D
Acq On : 25 Oct 96 00:06 AM
Sample : BS2,
Misc : GC3045,GNP248,W,,,,1
Quant Time: Oct 25 8:49 1996

Vial: 1
Operator: RMS
Inst : GC-NP
Multiplr: 1.00

Method : C:\HPCHEM\5\METHODS\VRX1021.M
Title : 601/602 BY GC-PID AND GC-ELCD
Last Update : Wed Oct 23 16:01:48 1996
Response via : Multiple Level Calibration

Volume Inj. : 5.0 ML PURGE VOLUME
Signal #1 Phase : (ELCD) J+W DBVRX Signal #2 Phase: (PID) J+W DBVRX 75mX
Signal #1 Info : Signal #2 Info :

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
27) S 2-Bromo-1-Chloropropane	22.30	101750757	28.311 PPB
		Recovery =	94.37%
53) S Fluorobenzene	17.89	11267077	27.807 PPB
		Recovery =	92.69%
55) S aaa-Trifluorotoluene #2	20.21	5468371	27.613 PPB
		Recovery =	92.04%
Target Compounds			
1) TM Dichlorodifluoromethane	3.15	3497562	4.227 PPB
2) TM Chloromethane	3.39	2762216	3.573 PPB
3) TM Vinyl Chloride	3.65	10859927	4.401 PPB
4) TM Bromomethane	4.26	5795088	4.836 PPB
5) TM Chloroethane	4.52	9515295	4.643 PPB
6) TM Trichlorofluoromethane	5.54	17494716	4.701 PPB
7) TM 1,1-Dichloroethene	6.65	16869228	4.732 PPB
8) TM Methylene Chloride	7.06	24337672	4.414 PPB
9) TM trans-1,2-Dichloroethene	8.89	19886324	4.641 PPB
10) TM 1,1-Dichloroethane	9.69	24694797	5.054 PPB
11) TM cis-1,2-Dichloroethene	11.91	32799327	4.875 PPB
12) tm Bromochloromethane	12.52	22717733	4.956 PPB
13) TM Chloroform	12.85	42709217	4.819 PPB
14) tm 2,2-Dichloropropane	13.06	35994982	4.345 PPB
15) TM 1,2-Dichloroethane	15.34	28298090	4.963 PPB
16) TM 1,1,1-Trichloroethane	15.60	39650998	4.315 PPB
17) tm 1,1-Dichloropropene	16.36	28849670	4.680 PPB
18) TM Carbon Tetrachloride	16.81	47758739	4.540 PPB
19) tm Dibromomethane	18.95	13216371	4.594 PPB
20) TM 1,2-Dichloropropane	19.14	29741199	4.802 PPB
21) TM Trichloroethene	19.29f	35544244	4.576 PPB
22) TM Bromodichloromethane	19.42	36837733	4.663 PPB
23) TM 2-Chloroethylvinyl ether	20.79	2803937	3.142 PPB
24) TM cis-1,3-Dichloropropene	21.06	26788101	4.494 PPB
25) TM trans-1,3-Dichloropropene	21.89	21755709	4.678 PPB
26) TM 1,1,2-Trichloroethane	22.07	29597761	4.839 PPB
28) tm 1,3-Dichloropropane	22.45	27822030	5.198 PPB
29) TM Dibromochloromethane	22.75	19990256	4.865 PPB

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\NP7877.D
Signal #2 : C:\HPCHEM\5\DATA\NP7877.D\CONFIRM.D
Acq On : 25 Oct 96 00:06 AM
Sample : BS2,
Misc : GC3045,GNP248,W,,,1
Quant Time: Oct 25 8:49 1996

Vial: 1
Operator: RMS
Inst : GC-NP
Multiplr: 1.00

Method : C:\HPCHEM\5\METHODS\VRX1021.M
Title : 601/602 BY GC-PID AND GC-ELCD
Last Update : Wed Oct 23 16:01:48 1996
Response via : Multiple Level Calibration

Volume Inj. : 5.0 ML PURGE VOLUME
Signal #1 Phase : (ELCD) J+W DBVRX Signal #2 Phase: (PID) J+W DBVRX 75mX
Signal #1 Info : Signal #2 Info :

	Compound	R.T.	Response	Conc Units
30)	tm 1,2-Dibromoethane	23.08	11746906	4.816 PPB
31)	TM Tetrachloroethene	23.34	35330643	4.432 PPB
32)	tm 1,1,1,2-Tetrachloroethane	24.09	33048352	4.618 PPB
33)	TM Chlorobenzene	24.17	15749797	4.518 PPB
34)	TM Bromoform	24.70	11853197	4.921 PPB
35)	TM 1,1,2,2-Tetrachloroethane	25.06	18636645	4.716 PPB
36)	tm 1,2,3-Trichloropropane	25.21	15990912	4.659 PPB
37)	tm Bromobenzene	25.65	9503617	4.552 PPB
38)	tm 2-Chlorotoluene	25.95	12047611	4.822 PPB
39)	tm 4-Chlorotoluene	26.03	13146085	4.494 PPB
40)	TM 1,3-Dichlorobenzene	26.67	17727969	4.544 PPB
41)	TM 1,4-Dichlorobenzene	26.73	21154138	4.401 PPB
42)	TM 1,2-Dichlorobenzene	27.05	21385325	4.805 PPB
43)	tm 1,2-Dibromomo-3-chloroprop	27.49	5521592	5.603 PPB
44)	tm 1,2,4-Trichlorobenzene	28.92	20029627	4.257 PPB
45)	tm Hexachlorobutadiene	29.30	31592207	4.266 PPB
46)	tm 1,2,3-Trichlorobenzene	29.48	23930481	4.239 PPB
49)	tm trans-1,2-Dichloroethene	8.87	1734436	4.469 PPB
50)	tm cis-1,2-Dichloroethene	11.89	1392414	4.586 PPB
51)	tm 1,1-Dichloropropene	16.34	1099281	4.404 PPB
52)	TM Benzene	17.03	2876225	4.505 PPB
54)	tm Trichloroethene	19.28	1613472	4.462 PPB
56)	tm cis-1,3-Dichloropropene	21.04	666820	4.383 PPB
57)	TM trans-1,3-Dichloropropene	21.87	865264	4.425 PPB
58)	TM Toluene	22.34	2910869	4.638 PPB
59)	tm Tetrachloroethene	23.33	1251677	4.399 PPB
60)	TM Chlorobenzene	24.15	2863955	4.569 PPB
61)	TM Ethylbenzene	24.42	2464172	4.524 PPB
62)	TM m,p-Xylene	24.65	5941441	9.086 PPB
63)	tm Styrene	24.98	3005326	4.589 PPB
64)	TM o-Xylene	25.05	2448538	4.520 PPB
65)	tm Isopropylbenzene	25.43	2028393	4.466 PPB
66)	TM Bromobenzene	25.63	2885929	4.582 PPB
67)	tm n-Propylbenzene	25.87	2244491	4.472 PPB
68)	tm 2-Chlorotoluene	25.94	2552764	4.490 PPB
69)	tm 4-Chlorotoluene	26.01	2735906	4.504 PPB
70)	tm 1,3,5-Trimethylbenzene	26.16	3359873	4.477 PPB
/1)	TM tert-Butylbenzene	26.40	1899280	4.534 PPB

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\NP7877.D
Signal #2 : C:\HPCHEM\5\DATA\NP7877.D\CONFIRM.D
Acq On : 25 Oct 96 00:06 AM
Sample : BS2,
Misc : GC3045,GNP248,W,,,,1
Quant Time: Oct 25 8:49 1996

Vial: 1
Operator: RMS
Inst : GC-NP
Multiplr: 1.00

Method : C:\HPCHEM\5\METHODS\VRX1021.M
Title : 601/602 BY GC-PID AND GC-ELCD
Last Update : Wed Oct 23 16:01:48 1996
Response via : Multiple Level Calibration

Volume Inj. : 5.0 ML PURGE VOLUME

Signal #1 Phase : (ELCD) J+W DBVRX Signal #2 Phase: (PID) J+W DBVRX 75mX
Signal #1 Info : Signal #2 Info :

	Compound	R.T.	Response	Conc	Units
72) tm	1,2,4-Trimethylbenzene	26.51	2562281	4.480	PPB
73) tm	sec-Butylbenzene	26.60	1843363	4.460	PPB
74) TM	1,3-Dichlorobenzene	26.65	2606765	4.485	PPB
75) TM	1,4-Dichlorobenzene	26.71	2409982	4.538	PPB
76) tm	p-Isopropyltoluene	26.78	2065796	4.468	PPB
77) TM	1,2-Dichlorobenzene	27.03	2078837	4.560	PPB
78) tm	n-Butylbenzene	27.15	2102693	4.378	PPB
79) tm	1,2,4-Trichlorobenzene	28.90	1505428	4.419	PPB
80) tm	Naphthalene	29.21	1830959	4.788	PPB
81) tm	Hexachlorobutadiene	29.28	1201400	4.238	PPB
82) tm	1,2,3-Trichlorobenzene	29.46	1485888	4.430	PPB
83) TM	Methyl tert butyl ether	9.43	800264	4.560	PPB
84) tm	2-Chloroethylvinyl ether	20.77	279193	2.983	PPB

VOLATILE ORGANICS BY GC/MS ANALYSIS LOG

Date: 10/21/96

S LOG
Batch ID: G08247

Standards Data

Daily Saved File

Total #	Description	Conc.
258	8021 Sma	10 ppm
257	CRATES	10 ppm
259	MAX	10 ppm
250	TSA Sm	100 ppm

Tune file 1: _____
Tune file 2: _____
Initial Cal: _____
ID file: _____
Tape ID: _____

Method: VRX1015.M/VRX1021.M

Seq.file: CCT21.S

Analyst: *MS*

Team Leader:

Data File	Sample ID	Test	ALS #	MTX	Samp Amt.	% Sol	Dil Fact.	LTS	STI	Status (Data)	Comments	Init.
NP7799	1ppb STD.		1		5		1			✓	OK	
NP7800	1ppb STD.		1		5		1			✓	OK	
NP7801	1ppb STD.		1		5		1			✓	OK	
NP7802	2ppb STD.		1		5		1			✓	OK	
NP7803	5ppb STD.		1		5		1			✓	OK	
NP7804	10ppb STD.		1		5		1			✓	OK	
NP7805	20ppb STD.		1		5		1			✓	OK	
NP7806	40ppb STD.		1		5		1			✓	OK	
NP7807	CLEAN		1		5		1			✓	OK	
NP7808	CLEAN		1		5		1			✓	OK	
NP7809	MB1		2	W	5		1			✓	OK	
NP7810	MB1		3		5		1			✓	OK	
NP7811	E15379-1	MS STD	4		5		1			✓	OK	MS A5311
NP7812	E15384-1		5		5		1			✓	OK	
NP7813	E15384-2		6		250		20			✓	OK	MS J8355
NP7814	E15384-3		7		5		1			✓	OK	
NP7815	E15384-4		8		5		1			✓	OK	
NP7816	E15449-9		9		5		1			✓	OK	
NP7817	E15449-8		10		5		1			✓	OK	
NP7818	E15449-7		11		5		1			✓	OK	
NP7819	E15449-6		12		5		1			✓	OK	
NP7820	E15449-5		13		5		1			✓	OK	
NP7821	E15449-4	✓	14		5		10			✓	OK	
NP7822	E15449-5	MS	15		5		1			✓	OK	
NP7823	E15449-5	MSD	16		5		1			✓	OK	
NP7824	BS		1	✓	5		1			✓	OK	

MTX = Matrix : Designate W for water, S for soil, O for oil.

IS = Internal standard Area

Lt = Library search

Date: 10/22/96

S LOG
Batch ID: GNP247

Daily Saved File

Lot #	Description	Conc.
253	Dist. Suez	30ppm
GCW 257	Gmses	10ppm
GCW 259	Max	10 ppm

Tune file 1: _____
Tune file 2: _____
Initial Cal: _____
ID file: _____
Tape ID: _____
.: _____

Method: VRXC21.M
Seq. file: OCT22.S
Analyst: RMS
Team Leader: _____

[illegible]

-NTX = Matrix : Designate W for water, S for soil, O for oil.

IS = Internal standard Area

L+ = Library search

Date: 10/22/96

S LOG
Batch ID: GNP248

Daily Saved File

Lot #	Description	Conc.
GCN 252	RM21 C. 22	10
GCN 257	CRABES	10
GCN 259	MIX	10

Tape ID: _____
Initial Cal: _____
Tape file 1: _____
Tape file 2: _____

Method: VRX1021.M
Seq. file: OCT23.D
Analyst: RMS

Team Leader:

[illegible]

NTX = Matrix : Designate W for water, S for soil, O for oil.

IS = Internal standard Area

L+ = Library search

VOLATILE ORGANICS BY GC/MS ANALYSIS LOG

Date: 10/24/16

S LOG
Batch ID: GNP248

Standards Data

Daily Saved File

Lot #	Description	Conc.
GJV 253	3021 Sugar	30 ppm
GJV 257	Grass	10 ppm
GJV 259	mix	10 ppm

Tune file 1: _____
Tune file 2: _____
Initial Cal: _____
ID file: _____
Tape ID: _____
:

Method: VRX1021.M
Seq. file: OCT24.S
Analyst: RMS
Team Leader: _____

[illegible]



Technical Report for

Malcolm Pirnie**Former Mobil Oil Hangar D, Westchester County Airport****1030065100****Accutest Job Number: E16449**

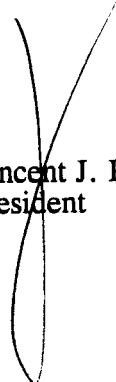
Report to:

**Malcolm Pirnie
One International Blvd.
Mahwah, NJ 07495**

ATTN: Chuck Trione

Total number of pages in report: 95

**Vincent J. Pugliese
President**

**New Jersey Certification No. 12129****Results relate only to the items tested.****This report shall not be reproduced, except in its entirety, without the written approval of Accutest Laboratories.**



Sample Summary

Malcolm Pirnie

Date: 12/12/96

Job No: E16449

Former Mobil Oil Hangar D, Westchester County Airport
Project No: 1030065100

Sample Number	Collected Date	Time	By	Received	Matrix Code Type	Client Sample ID
E16449-1	11/21/96	13:50	HK	11/22/96	AQ Ground Water	MW-1
E16449-2	11/21/96	13:30	HK	11/22/96	AQ Ground Water	MW-2
E16449-3	11/21/96	11:55	HK	11/22/96	AQ Ground Water	MW-3
E16449-4	11/21/96	12:30	HK	11/22/96	AQ Ground Water	MW-4
E16449-5	11/19/96	16:00	TE	11/22/96	AQ Trip Blank Water	TB

Laboratory Deliverables

- | | |
|--|-------|
| 1. Cover Page, Title Page Listing Certification #, Facility Name and Address, and Date of Report. | [X] |
| 2. Table of Contents. | [X] |
| 3. Summary Sheets listing analytical results for all targeted and non-targeted compounds. | [X] |
| 4. Summary Table cross-referencing field ID #'s vs. lab ID #'s. | [X] |
| 5. Document bound, paginated and legible. | [X] |
| 6. Chain of Custody. | [X] |
| 7. Methodology Summary | [X] |
| 8. Laboratory Chronicle and Holding Time Check. | [X] |
| 9. Results submitted on a dry weight basis (if applicable) | [X] |
| 10. Method Detection Limits. | [X] |
| 11. Lab certified by NJDEPE for parameters or appropriate category of parameters or a member of the USEPA CLP. | [X] |
| 12. Non-Conformance Summary. | [X] |

M. Kucuk
QC Reviewer

12-12-96
Date

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ASP Category B Data Deliverables
For
Non-USEPA/CLP Methods

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ii. Extraction Log	
iii. GPC Chromatograms (if GPC performed)	

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For
Non-USEPA/CLP Methods

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Report of Analysis

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Client Sample ID:	MW-1	Date Sampled:	11/21/96
Lab Sample ID:	E16449-1	Date Received:	11/22/96
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	EPA 601/602		
Project:	Former Mobil Oil Hangar D, Westchester County Airport		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	NP8440.D	40	11/28/96	RMS	n/a	n/a	GNP276
Run #2							

VOA Halogenated List

CAS No.	Compound	Result	RDL	Units	Q
75-25-2	Bromoform	ND	8.0	ug/l	
75-27-4	Bromodichloromethane	ND	8.0	ug/l	
74-83-9	Bromomethane	ND	8.0	ug/l	
56-23-5	Carbon tetrachloride	ND	8.0	ug/l	
108-90-7	Chlorobenzene	ND	8.0	ug/l	
75-00-3	Chloroethane	ND	8.0	ug/l	
67-66-3	Chloroform	ND	8.0	ug/l	
74-87-3	Chloromethane	ND	8.0	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	8.0	ug/l	
124-48-1	Dibromochloromethane	ND	8.0	ug/l	
75-71-8	Dichlorodifluoromethane	ND	8.0	ug/l	
75-34-3	1,1-Dichloroethane	160	8.0	ug/l	
107-06-2	1,2-Dichloroethane	ND	8.0	ug/l	
75-35-4	1,1-Dichloroethene	12.0	8.0	ug/l	
156-60-5	trans-1,2-Dichloroethene	24.0	8.0	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	8.0	ug/l	
78-87-5	1,2-Dichloropropane	ND	8.0	ug/l	
75-09-2	Methylene chloride	18.1	8.0	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	8.0	ug/l	
127-18-4	Tetrachloroethene	78.8	8.0	ug/l	
71-55-6	1,1,1-Trichloroethane	23.9	8.0	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	8.0	ug/l	
79-01-6	Trichloroethene	28.2	8.0	ug/l	
75-69-4	Trichlorofluoromethane	ND	8.0	ug/l	
75-01-4	Vinyl chloride	ND	8.0	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	8.0	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	8.0	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	8.0	ug/l	
156-69-4	cis-1,2-Dichloroethene	465	8.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
98-08-8	aaa-Trifluorotoluene	83 %		75-125 %
462-06-6	Fluorobenzene	83 %		75-125 %
3017-95-6	2-Bromo-1-chloropropane	76 %		75-125 %

ND = Not detected

RDL = Reported Detection Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates that analyte is found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 1

Client Sample ID:	MW-2	Date Sampled:	11/21/96
Lab Sample ID:	E16449-2	Date Received:	11/22/96
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	EPA 601/602		
Project:	Former Mobil Oil Hangar D, Westchester County Airport		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	NP8454.D	50	12/02/96	RMS	n/a	n/a	GNP276
Run #2							

VOA Halogenated List

CAS No.	Compound	Result	RDL	Units	Q
75-25-2	Bromoform	ND	10	ug/l	
75-27-4	Bromodichloromethane	ND	10	ug/l	
74-83-9	Bromomethane	ND	10	ug/l	
56-23-5	Carbon tetrachloride	ND	10	ug/l	
108-90-7	Chlorobenzene	ND	10	ug/l	
75-00-3	Chloroethane	949	10	ug/l	
67-66-3	Chloroform	ND	10	ug/l	
74-87-3	Chloromethane	ND	10	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	10	ug/l	
124-48-1	Dibromochloromethane	ND	10	ug/l	
75-71-8	Dichlorodifluoromethane	ND	10	ug/l	
75-34-3	1,1-Dichloroethane	1500	10	ug/l	
107-06-2	1,2-Dichloroethane	ND	10	ug/l	
75-35-4	1,1-Dichloroethene	57.9	10	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	10	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	10	ug/l	
78-87-5	1,2-Dichloropropane	ND	10	ug/l	
75-09-2	Methylene chloride	98.2	10	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	10	ug/l	
127-18-4	Tetrachloroethene	58.8	10	ug/l	
71-55-6	1,1,1-Trichloroethane	835	10	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	10	ug/l	
79-01-6	Trichloroethene	46.6	10	ug/l	
75-69-4	Trichlorofluoromethane	ND	10	ug/l	
75-01-4	Vinyl chloride	ND	10	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	10	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	10	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	10	ug/l	
156-69-4	cis-1,2-Dichloroethene	544	10	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
98-08-8	aaa-Trifluorotoluene	92%		75-125%
462-06-6	Fluorobenzene	91%		75-125%
3017-95-6	2-Bromo-1-chloropropane	95%		75-125%

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ND = Not detected

RDL = Reported Detection Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates that analyte is found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 1

Client Sample ID: MW-3		Date Sampled: 11/21/96
Lab Sample ID: E16449-3		Date Received: 11/22/96
Matrix: AQ - Ground Water		Percent Solids: n/a
Method: EPA 601/602		
Project: Former Mobil Oil Hangar D, Westchester County Airport		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	NP8442.D	1	11/29/96	RMS	n/a	n/a	GNP276
Run #2							

VOA Halogenated List

CAS No.	Compound	Result	RDL	Units	Q
75-25-2	Bromoform	ND	0.20	ug/l	
75-27-4	Bromodichloromethane	ND	0.20	ug/l	
74-83-9	Bromomethane	ND	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	0.20	ug/l	
108-90-7	Chlorobenzene	ND	0.20	ug/l	
75-00-3	Chloroethane	7.1	0.20	ug/l	
67-66-3	Chloroform	ND	0.20	ug/l	
74-87-3	Chloromethane	ND	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	0.20	ug/l	
124-48-1	Dibromochloromethane	ND	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	0.20	ug/l	
75-34-3	1,1-Dichloroethane	1.0	0.20	ug/l	
107-06-2	1,2-Dichloroethane	ND	0.20	ug/l	
75-35-4	1,1-Dichloroethene	ND	0.20	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	0.20	ug/l	
75-09-2	Methylene chloride	2.0	0.20	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.20	ug/l	
127-18-4	Tetrachloroethene	0.28	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	0.20	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	0.20	ug/l	
79-01-6	Trichloroethene	ND	0.20	ug/l	
75-69-4	Trichlorofluoromethane	ND	0.20	ug/l	
75-01-4	Vinyl chloride	0.74	0.20	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	0.20	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	0.20	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	0.20	ug/l	
156-69-4	cis-1,2-Dichloroethene	2.0	0.20	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
98-08-8	aaa-Trifluorotoluene	82%		75-125%
462-06-6	Fluorobenzene	82%		75-125%
3017-95-6	2-Bromo-1-chloropropane	79%		75-125%

ND = Not detected

RDL = Reported Detection Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates that analyte is found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 1

Client Sample ID: MW-4 Lab Sample ID: E16449-4 Matrix: AQ - Ground Water Method: EPA 601/602 Project: Former Mobil Oil Hangar D, Westchester County Airport	Date Sampled: 11/21/96 Date Received: 11/22/96 Percent Solids: n/a
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Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	NP8443.D	1	11/29/96	RMS	n/a	n/a	GNP276
Run #2							

VOA Halogenated List

CAS No.	Compound	Result	RDL	Units	Q
75-25-2	Bromoform	ND	0.20	ug/l	
75-27-4	Bromodichloromethane	ND	0.20	ug/l	
74-83-9	Bromomethane	ND	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	0.20	ug/l	
108-90-7	Chlorobenzene	ND	0.20	ug/l	
75-00-3	Chloroethane	3.1	0.20	ug/l	
67-66-3	Chloroform	ND	0.20	ug/l	
74-87-3	Chloromethane	ND	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	0.20	ug/l	
124-48-1	Dibromochloromethane	ND	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	0.20	ug/l	
75-34-3	1,1-Dichloroethane	13.6	0.20	ug/l	
107-06-2	1,2-Dichloroethane	ND	0.20	ug/l	
75-35-4	1,1-Dichloroethene	1.2	0.20	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	0.20	ug/l	
75-09-2	Methylene chloride	2.6	0.20	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.20	ug/l	
127-18-4	Tetrachloroethene	0.27	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	0.20	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	0.20	ug/l	
79-01-6	Trichloroethene	ND	0.20	ug/l	
75-69-4	Trichlorofluoromethane	ND	0.20	ug/l	
75-01-4	Vinyl chloride	0.99	0.20	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	0.20	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	0.20	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	0.20	ug/l	
156-69-4	cis-1,2-Dichloroethene	19.0	0.20	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
98-08-8	aaa-Trifluorotoluene	83%		75-125 %
462-06-6	Fluorobenzene	86%		75-125 %
3017-95-6	2-Bromo-1-chloropropane	80%		75-125 %

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ND = Not detected

RDL = Reported Detection Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates that analyte is found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 1

Client Sample ID: TB Lab Sample ID: E16449-5 Matrix: AQ - Trip Blank Water Method: EPA 601/602 Project: Former Mobil Oil Hangar D, Westchester County Airport	Date Sampled: 11/19/96 Date Received: 11/22/96 Percent Solids: n/a
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Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	NP8438.D	1	11/28/96	RMS	n/a	n/a	GNP276
Run #2							

VOA Halogenated List

CAS No.	Compound	Result	RDL	Units	Q
75-25-2	Bromoform	ND	0.20	ug/l	
75-27-4	Bromodichloromethane	ND	0.20	ug/l	
74-83-9	Bromomethane	ND	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	0.20	ug/l	
108-90-7	Chlorobenzene	ND	0.20	ug/l	
75-00-3	Chloroethane	ND	0.20	ug/l	
67-66-3	Chloroform	ND	0.20	ug/l	
74-87-3	Chloromethane	ND	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	0.20	ug/l	
124-48-1	Dibromochloromethane	ND	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	0.20	ug/l	
75-34-3	1,1-Dichloroethane	ND	0.20	ug/l	
107-06-2	1,2-Dichloroethane	ND	0.20	ug/l	
75-35-4	1,1-Dichloroethene	ND	0.20	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	0.20	ug/l	
75-09-2	Methylene chloride	ND	0.20	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.20	ug/l	
127-18-4	Tetrachloroethene	ND	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	0.20	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	0.20	ug/l	
79-01-6	Trichloroethene	ND	0.20	ug/l	
75-69-4	Trichlorofluoromethane	ND	0.20	ug/l	
75-01-4	Vinyl chloride	ND	0.20	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	0.20	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	0.20	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	0.20	ug/l	
156-69-4	cis-1,2-Dichloroethene	ND	0.20	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
98-08-8	aaa-Trifluorotoluene	81 %		75-125 %
462-06-6	Fluorobenzene	83 %		75-125 %
3017-95-6	2-Bromo-1-chloropropane	77 %		75-125 %

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ND = Not detected

RDL = Reported Detection Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates that analyte is found in associated method blank

N = Indicates presumptive evidence of a compound



FRESH PONDS CORPORATE VILLAGE, BUILDING B
2235 ROUTE 130, DAYTON, NJ 08810
908-329-0200 FAX: 908-329-3499/3480

ACCUTEST QUOTE #:

CLIENT INFORMATION			FACILITY INFORMATION			ANALYTICAL INFORMATION			MATRIX CODES		
PROJECT NAME			PROJECT NO.			LAB USE ONLY			DW - DRINKING WATER		
LOCATION			FAX #			GW - GROUND WATER			WW - WASTE WATER		
CITY, STATE, ZIP			PROJECT NO.			SO - SOIL			SL - SLUDGE		
SEND REPORT TO:			FAX #			LIQ - OTHER			SOL - OTHER		
PHONE #			FAX #			SOL - OTHER			SOLID		
NAME			PROJECT NAME			PROJECT NO.			LAB USE ONLY		
ADDRESS			LOCATION			PROJECT NO.			DW - DRINKING WATER		
CITY, STATE, ZIP			FAX #			PROJECT NO.			GW - GROUND WATER		
SEND REPORT TO:			FAX #			PROJECT NO.			WW - WASTE WATER		
PHONE #			FAX #			PROJECT NO.			SO - SOIL		
FAX #			FAX #			PROJECT NO.			SL - SLUDGE		
FAX #			FAX #			PROJECT NO.			LIQ - OTHER		
FAX #			FAX #			PROJECT NO.			SOL - OTHER		
FAX #			FAX #			PROJECT NO.			SOLID		
FAX #			FAX #			PROJECT NO.			LAB USE ONLY		
FAX #			FAX #			PROJECT NO.			DW - DRINKING WATER		
FAX #			FAX #			PROJECT NO.			GW - GROUND WATER		
FAX #			FAX #			PROJECT NO.			WW - WASTE WATER		
FAX #			FAX #			PROJECT NO.			SO - SOIL		
FAX #			FAX #			PROJECT NO.			SL - SLUDGE		
FAX #			FAX #			PROJECT NO.			LIQ - OTHER		
FAX #			FAX #			PROJECT NO.			SOL - OTHER		
FAX #			FAX #			PROJECT NO.			SOLID		
FAX #			FAX #			PROJECT NO.			LAB USE ONLY		
FAX #			FAX #			PROJECT NO.			DW - DRINKING WATER		
FAX #			FAX #			PROJECT NO.			GW - GROUND WATER		
FAX #			FAX #			PROJECT NO.			WW - WASTE WATER		
FAX #			FAX #			PROJECT NO.			SO - SOIL		
FAX #			FAX #			PROJECT NO.			SL - SLUDGE		
FAX #			FAX #			PROJECT NO.			LIQ - OTHER		
FAX #			FAX #			PROJECT NO.			SOL - OTHER		
FAX #			FAX #			PROJECT NO.			SOLID		
FAX #			FAX #			PROJECT NO.			LAB USE ONLY		
FAX #			FAX #			PROJECT NO.			DW - DRINKING WATER		
FAX #			FAX #			PROJECT NO.			GW - GROUND WATER		
FAX #			FAX #			PROJECT NO.			WW - WASTE WATER		
FAX #			FAX #			PROJECT NO.			SO - SOIL		
FAX #			FAX #			PROJECT NO.			SL - SLUDGE		
FAX #			FAX #			PROJECT NO.			LIQ - OTHER		
FAX #			FAX #			PROJECT NO.			SOL - OTHER		
FAX #			FAX #			PROJECT NO.			SOLID		
FAX #			FAX #			PROJECT NO.			LAB USE ONLY		
FAX #			FAX #			PROJECT NO.			DW - DRINKING WATER		
FAX #			FAX #			PROJECT NO.			GW - GROUND WATER		
FAX #			FAX #			PROJECT NO.			WW - WASTE WATER		
FAX #			FAX #			PROJECT NO.			SO - SOIL		
FAX #			FAX #			PROJECT NO.			SL - SLUDGE		
FAX #			FAX #			PROJECT NO.			LIQ - OTHER		
FAX #			FAX #			PROJECT NO.			SOL - OTHER		
FAX #			FAX #			PROJECT NO.			SOLID		
FAX #			FAX #			PROJECT NO.			LAB USE ONLY		
FAX #			FAX #			PROJECT NO.			DW - DRINKING WATER		
FAX #			FAX #			PROJECT NO.			GW - GROUND WATER		
FAX #			FAX #			PROJECT NO.			WW - WASTE WATER		
FAX #			FAX #			PROJECT NO.			SO - SOIL		
FAX #			FAX #			PROJECT NO.			SL - SLUDGE		
FAX #			FAX #			PROJECT NO.			LIQ - OTHER		
FAX #			FAX #			PROJECT NO.			SOL - OTHER		
FAX #			FAX #			PROJECT NO.			SOLID		
FAX #			FAX #			PROJECT NO.			LAB USE ONLY		
FAX #			FAX #			PROJECT NO.			DW - DRINKING WATER		
FAX #			FAX #			PROJECT NO.			GW - GROUND WATER		
FAX #			FAX #			PROJECT NO.			WW - WASTE WATER		
FAX #			FAX #			PROJECT NO.			SO - SOIL		
FAX #			FAX #			PROJECT NO.			SL - SLUDGE		
FAX #			FAX #			PROJECT NO.			LIQ - OTHER		
FAX #			FAX #			PROJECT NO.			SOL - OTHER		
FAX #			FAX #			PROJECT NO.			SOLID		
FAX #			FAX #			PROJECT NO.			LAB USE ONLY		
FAX #			FAX #			PROJECT NO.			DW - DRINKING WATER		
FAX #			FAX #			PROJECT NO.			GW - GROUND WATER		
FAX #			FAX #			PROJECT NO.			WW - WASTE WATER		
FAX #			FAX #			PROJECT NO.			SO - SOIL		
FAX #			FAX #			PROJECT NO.			SL - SLUDGE		
FAX #			FAX #			PROJECT NO.			LIQ - OTHER		
FAX #			FAX #			PROJECT NO.			SOL - OTHER		
FAX #			FAX #			PROJECT NO.			SOLID		
FAX #			FAX #			PROJECT NO.			LAB USE ONLY		
FAX #			FAX #			PROJECT NO.			DW - DRINKING WATER		
FAX #			FAX #			PROJECT NO.			GW - GROUND WATER		
FAX #			FAX #			PROJECT NO.			WW - WASTE WATER		
FAX #			FAX #			PROJECT NO.			SO - SOIL		
FAX #			FAX #			PROJECT NO.			SL - SLUDGE		
FAX #			FAX #			PROJECT NO.					

**ACCUTEST®**

2235 ROUTE 130, DAYTON, NJ 08810 • (908) 329-0200

INTERNAL CHAIN OF CUSTODY

Laboratory Person Breaking Field Seal on Sample Cooler & Accepting Responsibility for Sample:		
Name <u>R. VAN BUREN</u>		Title <u>MANAGER</u>
Field Sample Seal No. <u>N/A</u>	Date Broken <u>11/22/96</u>	Military Time Seal Broken <u>12:40</u>
Accutest Job No.	Analytical Parameter/Fraction <u>U601</u>	

SAMPLE NO.	ALIUOT/EXTRACT NO.	SAMPLE NO.	ALIUOT/EXTRACT NO.
E16449-1			
E16449-2			
E16449-3			
E16449-4			

Date	Time	Relinquished By	Received By	Purpose of Change of Custody
11/22/96	1300	PRINTED NAME <u>R. VAN BUREN</u> SIGNATURE <u>[Signature]</u>	PRINTED NAME <u>M. Rogers</u> SIGNATURE <u>[Signature]</u>	STORAGE
11/22/96	1305	PRINTED NAME <u>M. Rogers</u> SIGNATURE <u>[Signature]</u>	PRINTED NAME <u>ok Lee</u> SIGNATURE <u>[Signature]</u>	Storage
11/29/96	0700	PRINTED NAME <u>ok Lee</u> SIGNATURE <u>[Signature]</u>	PRINTED NAME <u>WILLIAM GORDEK</u> SIGNATURE <u>W. Gorduk</u>	Analysis
11/29/96	1700	PRINTED NAME <u>WILLIAM GORDEK</u> SIGNATURE <u>W. Gorduk</u>	PRINTED NAME <u>ok Lee</u> SIGNATURE <u>[Signature]</u>	Storage
		PRINTED NAME SIGNATURE	PRINTED NAME SIGNATURE	
		PRINTED NAME SIGNATURE	PRINTED NAME SIGNATURE	
		PRINTED NAME SIGNATURE	PRINTED NAME SIGNATURE	
		PRINTED NAME SIGNATURE	PRINTED NAME SIGNATURE	

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MALCOLM PINNIE

TB


ACCUTEST®

2235 ROUTE 130, DAYTON, NJ 08810 • (908) 329-0200

INTERNAL CHAIN OF CUSTODY

Laboratory Person Breaking Field Seal on Sample Cooler & Accepting Responsibility for Sample:		
Name	<u>R. VAN BUREN</u>	Title <u>MANAGER</u>
Field Sample Seal No.	<u>NIA</u>	Date Broken <u>11/12/96</u> Military Time Seal Broken <u>11.40</u>
Accutest Job No.	Analytical Parameter/Fraction <u>U601</u>	

SAMPLE NO.	ALIUQUOT/EXTRACT NO.	SAMPLE NO.	ALIUQUOT/EXTRACT NO.
E16449-S			

Date	Time	Relinquished By	Received By	Purpose of Change of Custody
11/12/96	1300	PRINTED NAME <u>R. VAN BUREN</u> SIGNATURE <u>[Signature]</u>	PRINTED NAME <u>M. Pagan</u> SIGNATURE <u>[Signature]</u>	STORAGE
11/12/96	1305	PRINTED NAME <u>M. Pagan</u> SIGNATURE <u>[Signature]</u>	PRINTED NAME <u>OKI Lee</u> SIGNATURE <u>[Signature]</u>	Storage
11/23/96	0900	PRINTED NAME <u>OKI Lee</u> SIGNATURE <u>[Signature]</u>	PRINTED NAME <u>WILLIAM GORDEUK</u> SIGNATURE <u>W. Gorduk</u>	Analysis
11/24/96	1700	PRINTED NAME <u>WILLIAM GORDEUK</u> SIGNATURE <u>W. Gorduk</u>	PRINTED NAME <u>OKI Lee</u> SIGNATURE <u>[Signature]</u>	Storage
		PRINTED NAME SIGNATURE	PRINTED NAME SIGNATURE	
		PRINTED NAME SIGNATURE	PRINTED NAME SIGNATURE	
		PRINTED NAME SIGNATURE	PRINTED NAME SIGNATURE	
		PRINTED NAME SIGNATURE	PRINTED NAME SIGNATURE	
		PRINTED NAME SIGNATURE	PRINTED NAME SIGNATURE	

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HAROLD PIRIE



ACCUTEST.

GC Analysis Case Narrative/Conformance/Non-Conformance Summary

Fraction: V601STD

- | | NO | YES |
|---|---|---|
| 1. Chromatograms Labeled/Compounds Identified. <i>(Field Samples and Method Blanks)</i> | [] | [☒] |
| 2. GC Calibration - Initial Calibration performed within 30 days before sample analysis and continuing calibration performed within 24 hours of samples analysis for 600 series and 12 hours for 8000 series. | [] | [☒] |
| 3. Blank Contamination | [☒] | [] |
| <i>If yes, list compounds and in each blank:</i> _____ | | |
| 4. Surrogate Recoveries Meets Criteria (if applicable). | [] | [☒] |
| <i>If not met, list those samples which fall outside the acceptable range and confirmed by reanalysis:</i> _____ | | |
| 5. Matrix Spike/Matrix Spike Duplicate Recoveries Meet Criteria. | [] | [☒] |
| <i>If not met, refer to MSMSD and blank spike summaries:</i> _____ | | |
| 6. Retention Time Shift Meet Criteria | [] | [<i>N/A</i>] |
| <i>If not met, list those samples which fall outside the acceptable range and confirmed by reanalysis:</i> _____ | | |
| 7. Extraction Holding Time Met | [] | [<i>N/A</i>] |
| <i>If not met, list number of days exceeded for each sample:</i> _____ | | |
| 8. Analysis Holding Time Met | [] | [☒] |
| <i>If not met, list number of days exceed for each sample:</i> _____ | | |

Additional Comments: _____

QC Review Signature: Benedetta Pappas

Date: 12/12/96

Spike Recovery and RPD Summary Report - WATER

Method : C:\HPCHEM\5\METHODS\VRX1105.M
 Title : 601/602 BY GC-PID AND GC-ELCD
 Last Update : Wed Nov 06 08:32:05 1996
 Response via : Initial Calibration

V601
 GPP276

Non-Spiked Sample: NP8442.D

Compound	Spike Conc	Spike Added	Spike Res	Dup Res	Spike %Rec	Dup %Rec	RPD	QC Limits % Rec
Dichlorodifluorometh	0.0	5.0	2.7	2.6	54	51	6	25 50-150
Chloromethane	0.0	5.0	3.5	3.1	70	63	11	25 0-193
Vinyl Chloride	0.7	5.0	4.3	4.2	72	69	4	25 28-163
Bromomethane	0.0	5.0	3.6	3.3	73	66	11	25 0-144
Chloroethane	7.1	5.0	11.0	10.8	79	74	6	25 46-137
Trichlorofluorometha	0.0	5.0	4.1	3.7	81	75	8	25 21-156
1,1-Dichloroethene	0.0	5.0	3.7	4.3	74	86	15	25 28-167
Methylene Chloride	2.0	5.0	5.5	6.0	71	80	12	25 25-162
trans-1,2-Dichloroet	0.0	5.0	3.5	4.1	70	82	17	25 38-155
1,1-Dichloroethane	1.0	5.0	4.4	4.8	68	75	10	25 47-132
cis-1,2-Dichloroethe	2.0	5.0	6.2	6.6	83	92	9	25 50-150
Chloroform	0.2	5.0	4.0	4.5	76	85	12	25 49-133
1,2-Dichloroethane	0.0	5.0	3.5	4.0	69	79	13	25 51-147
1,1,1-Trichloroethan	0.0	5.0	4.2	4.6	84	93	10	25 41-138
Carbon Tetrachloride	0.0	5.0	3.9	4.3	79	87	10	25 43-143
1,2-Dichloropropane	0.0	5.0	3.7	4.2	75	84	12	25 44-156
Trichloroethene	0.0	5.0	3.8	4.4	76	88	14	25 35-146
Bromodichloromethane	0.0	5.0	4.4	4.9	88	98	11	25 42-172
2-Chloroethylvinyl e	0.0	5.0	0.0	0.0	0#	0#	99#	25 14-186
cis-1,3-Dichloroprop	0.0	5.0	3.4	3.9	68	78	13	25 22-178
trans-1,3-Dichloropr	0.0	5.0	3.3	3.8	67	75	12	25 22-178
1,1,2-Trichloroethan	0.0	5.0	3.8	4.1	76	82	8	25 39-136
Dibromochloromethane	0.0	5.0	3.7	4.2	74	84	13	25 24-191
Tetrachloroethene	0.3	5.0	4.0	4.5	74	84	13	25 26-162
Chlorobenzene	0.0	5.0	4.8	5.3	97	106	10	25 38-150
Bromoform	0.0	5.0	3.1	3.6	62	73	16	25 13-159
1,1,2,2-Tetrachloroe	0.0	5.0	3.7	4.3	74	85	14	25 8-184
1,3-Dichlorobenzene	0.0	5.0	3.3	3.6	66	73	10	25 7-187
1,4-Dichlorobenzene	0.0	5.0	3.7	4.3	75	87	15	25 42-143
,2-Dichlorobenzene	0.0	5.0	3.9	4.3	78	85	9	25 0-208
trans-1,2-Dichloroet	0.0	5.0	3.7	4.3	75	86	14	25 50-150
cis-1,2-Dichloroethe	2.0	5.0	6.2	6.9	84	97	14	25 50-150
Trichloroethene	0.0	5.0	3.6	4.2	73	85	15	25 50-150

cis-1,3-Dichloroprop	0.0	5.0	3.5	4.0	69	80	15	25	22-178
trans-1,3-Dichloropr	0.0	5.0	3.5	4.0	70	81	15	25	22-178
Tetrachloroethene	0.3	5.0	3.6	4.2	67	78	15	25	50-150
Chlorobenzene	0.1	5.0	3.7	4.3	73	84	14	25	55-135
1,3-Dichlorobenzene	0.2	5.0	3.6	4.1	68	79	15	25	50-141
1,4-Dichlorobenzene	0.0	5.0	3.6	4.1	71	82	15	25	42-143
1,2-Dichlorobenzene	0.4	5.0	3.9	4.4	70	81	14	25	37-154

VRX1105.M

Mon Dec 02 10:48:25 1996

RPT1

Blank Spike Recovery Summary Report - WATER

Method : C:\HPCHEM\5\METHODS\VRX1105.M
 Title : 601/602 BY GC-PID AND GC-ELCD
 Last Update : Wed Nov 06 08:32:05 1996
 Response via : Initial Calibration

V601STD

Blank: NP8437.D

Blank Sample	Blank spike Sample
File ID : NP8437.D	NP8446.D
Sample : MB1	BS, V601STD
Acq Time: 28 Nov 96 09:22 PM	29 Nov 96 04:30 AM

Compound	Blank Conc	Spike Added	Spike Res	Spike %Rec	QC Limits
Dichlorodifluorometh	0.00	5.00	2.81	56	50 - 150
Chloromethane	0.00	5.00	3.73	75	0 - 193
Vinyl Chloride	0.00	5.00	3.93	79	28 - 163
Bromomethane	0.00	5.00	4.05	81	0 - 144
Chloroethane	0.00	5.00	4.69	94	46 - 137
Trichlorofluorometha	0.00	5.00	4.11	82	21 - 156
1,1-Dichloroethene	0.00	5.00	4.10	82	28 - 167
Methylene Chloride	0.00	5.00	4.68	94	25 - 162
trans-1,2-Dichloroet	0.00	5.00	4.11	82	38 - 155
1,1-Dichloroethane	0.00	5.00	4.12	82	47 - 132
cis-1,2-Dichloroethe	0.00	5.00	4.93	99	50 - 150
Chloroform	0.00	5.00	4.60	92	49 - 133
1,2-Dichloroethane	0.00	5.00	4.15	83	51 - 147
1,1,1-Trichloroethan	0.00	5.00	4.59	92	41 - 138
Carbon Tetrachloride	0.00	5.00	4.40	88	43 - 143
1,2-Dichloropropane	0.00	5.00	4.36	87	44 - 156
Trichloroethene	0.00	5.00	4.32	86	35 - 146
Bromodichloromethane	0.00	5.00	5.11	102	42 - 172
2-Chloroethylvinyl e	0.00	5.00	0.80	16	14 - 186
cis-1,3-Dichloroprop	0.00	5.00	4.27	85	22 - 178
trans-1,3-Dichloropr	0.00	5.00	4.16	83	22 - 178
1,1,2-Trichloroethan	0.00	5.00	4.54	91	39 - 136
Dibromochloromethane	0.00	5.00	4.56	91	24 - 191
Tetrachloroethene	0.00	5.00	4.31	86	26 - 162
Chlorobenzene	0.00	5.00	5.47	109	38 - 150
Bromoform	0.00	5.00	4.10	82	13 - 159
1,1,2,2-Tetrachloroe	0.00	5.00	4.58	92	8 - 184
1,3-Dichlorobenzene	0.00	5.00	3.86	77	7 - 187
1,4-Dichlorobenzene	0.00	5.00	4.53	91	42 - 143
1,2-Dichlorobenzene	0.00	5.00	4.62	92	0 - 208
trans-1,2-Dichloroet	0.00	5.00	4.18	84	50 - 150
is-1,2-Dichloroethe	0.00	5.00	4.95	99	50 - 150
Trichloroethene	0.00	5.00	4.15	83	50 - 150
cis-1,3-Dichloroprop	0.00	5.00	4.17	83	22 - 178
trans-1,3-Dichloropr	0.00	5.00	4.27	85	22 - 178

Tetrachloroethene	0.00	5.00	3.89	78	50 - 150
Chlorobenzene	0.00	5.00	4.25	85	55 - 135
1,3-Dichlorobenzene	0.00	5.00	4.21	84	50 - 141
1,4-Dichlorobenzene	0.00	5.00	4.22	84	42 - 143
1,2-Dichlorobenzene	0.00	5.00	4.23	85	37 - 154
2-Chloroethylvinyl e	0.00	5.00	2.57	51	14 - 156

VRX1105.M

Mon Dec 02 10:27:13 1996

RPT1

Method Blank Summary

Page 1 of 1

Job Number: E16449

Account: MPNJ Malcolm Pirnie

Project: Former Mobil Oil Hangar D, Westchester County Airport

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GNP276-MB1	NP8437.D	1	11/28/96	RMS	n/a	n/a	GNP276

The QC reported here applies to the following samples:

Method: EPA 601/602

E16449-1, E16449-3, E16449-4, E16449-5

CAS No.	Compound	Result	RDL	Units	Q
75-25-2	Bromoform	ND	0.20	ug/l	
75-27-4	Bromodichloromethane	ND	0.20	ug/l	
74-83-9	Bromomethane	ND	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	0.20	ug/l	
108-90-7	Chlorobenzene	ND	0.20	ug/l	
75-00-3	Chloroethane	ND	0.20	ug/l	
67-66-3	Chloroform	ND	0.20	ug/l	
74-87-3	Chloromethane	ND	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	0.20	ug/l	
124-48-1	Dibromochloromethane	ND	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	0.20	ug/l	
75-34-3	1,1-Dichloroethane	ND	0.20	ug/l	
107-06-2	1,2-Dichloroethane	ND	0.20	ug/l	
75-35-4	1,1-Dichloroethene	ND	0.20	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	0.20	ug/l	
75-09-2	Methylene chloride	ND	0.20	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.20	ug/l	
127-18-4	Tetrachloroethene	ND	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	0.20	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	0.20	ug/l	
79-01-6	Trichloroethene	ND	0.20	ug/l	
75-69-4	Trichlorofluoromethane	ND	0.20	ug/l	
75-01-4	Vinyl chloride	ND	0.20	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	0.20	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	0.20	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	0.20	ug/l	
156-69-4	cis-1,2-Dichloroethene	ND	0.20	ug/l	

CAS No.	Surrogate Recoveries	Limits
98-08-8	aaa-Trifluorotoluene	87 % 75-125 %
462-06-6	Fluorobenzene	87 % 75-125 %
3017-95-6	2-Bromo-1-chloropropane	80 % 75-125 %

Method Blank Summary

Page 1 of 1

Job Number: E16449

Account: MPNJ Malcolm Pirnie

Project: Former Mobil Oil Hangar D, Westchester County Airport

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GNP276-MB2	NP8452.D	1	12/02/96	RMS	n/a	n/a	GNP276

The QC reported here applies to the following samples:

Method: EPA 502

E16449-2

CAS No.	Compound	Result	RDL	Units	Q
75-27-4	Bromodichloromethane	ND	0.20	ug/l	
75-25-2	Bromoform	ND	0.20	ug/l	
74-83-9	Bromomethane	ND	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	0.20	ug/l	
108-90-7	Chlorobenzene	ND	0.20	ug/l	
124-48-1	Dibromochloromethane	ND	0.20	ug/l	
75-00-3	Chloroethane	ND	0.20	ug/l	
67-66-3	Chloroform	ND	0.20	ug/l	
74-87-3	Chloromethane	ND	0.20	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	0.20	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	0.20	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	0.20	ug/l	
75-34-3	1,1-Dichloroethane	ND	0.20	ug/l	
107-06-2	1,2-Dichloroethane	ND	0.20	ug/l	
75-35-4	1,1-Dichloroethene	ND	0.20	ug/l	
156-69-4	cis-1,2-Dichloroethene	ND	0.20	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	0.20	ug/l	
75-09-2	Methylene chloride	ND	0.20	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.20	ug/l	
127-18-4	Tetrachloroethene	ND	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	0.20	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	0.20	ug/l	
79-01-6	Trichloroethene	ND	0.20	ug/l	
75-69-4	Trichlorofluoromethane	ND	0.20	ug/l	
75-01-4	Vinyl chloride	ND	0.20	ug/l	

CAS No.	Surrogate Recoveries		Limits
3017-95-6	2-Bromo-1-chloropropane	90%	80-120%
462-06-6	Fluorobenzene	90%	80-120%
98-08-8	aaa-Trifluorotoluene	92%	80-120%

Report of Analysis

Page 1 of 1

Client Sample ID:	MW-1	Date Sampled:	11/21/96
Lab Sample ID:	E16449-1	Date Received:	11/22/96
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	EPA 601/602		
Project:	Former Mobil Oil Hangar D, Westchester County Airport		

Run #1	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #2	NP8440.D	40	11/28/96	RMS	n/a	n/a	GNP276

VOA Halogenated List

CAS No.	Compound	Result	RDL	Units	Q
75-25-2	Bromoform	ND	8.0	ug/l	
75-27-4	Bromodichloromethane	ND	8.0	ug/l	
74-83-9	Bromomethane	ND	8.0	ug/l	
56-23-5	Carbon tetrachloride	ND	8.0	ug/l	
108-90-7	Chlorobenzene	ND	8.0	ug/l	
75-00-3	Chloroethane	ND	8.0	ug/l	
67-66-3	Chloroform	ND	8.0	ug/l	
74-87-3	Chloromethane	ND	8.0	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	8.0	ug/l	
124-48-1	Dibromochloromethane	ND	8.0	ug/l	
75-71-8	Dichlorodifluoromethane	ND	8.0	ug/l	
75-34-3	1,1-Dichloroethane	160	8.0	ug/l	
107-06-2	1,2-Dichloroethane	ND	8.0	ug/l	
75-35-4	1,1-Dichloroethene	12.0	8.0	ug/l	
156-60-5	trans-1,2-Dichloroethene	24.0	8.0	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	8.0	ug/l	
78-87-5	1,2-Dichloropropane	ND	8.0	ug/l	
75-09-2	Methylene chloride	18.1	8.0	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	8.0	ug/l	
127-18-4	Tetrachloroethene	78.8	8.0	ug/l	
71-55-6	1,1,1-Trichloroethane	23.9	8.0	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	8.0	ug/l	
79-01-6	Trichloroethene	28.2	8.0	ug/l	
75-69-4	Trichlorofluoromethane	ND	8.0	ug/l	
75-01-4	Vinyl chloride	ND	8.0	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	8.0	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	8.0	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	8.0	ug/l	
156-69-4	cis-1,2-Dichloroethene	465	8.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
98-08-8	aaa-Trifluorotoluene	83%		75-125%
462-06-6	Fluorobenzene	83%		75-125%
3017-95-6	2-Bromo-1-chloropropane	76%		75-125%

ND = Not detected

RDL = Reported Detection Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates that analyte is found in associated method blank

N = Indicates presumptive evidence of a compound

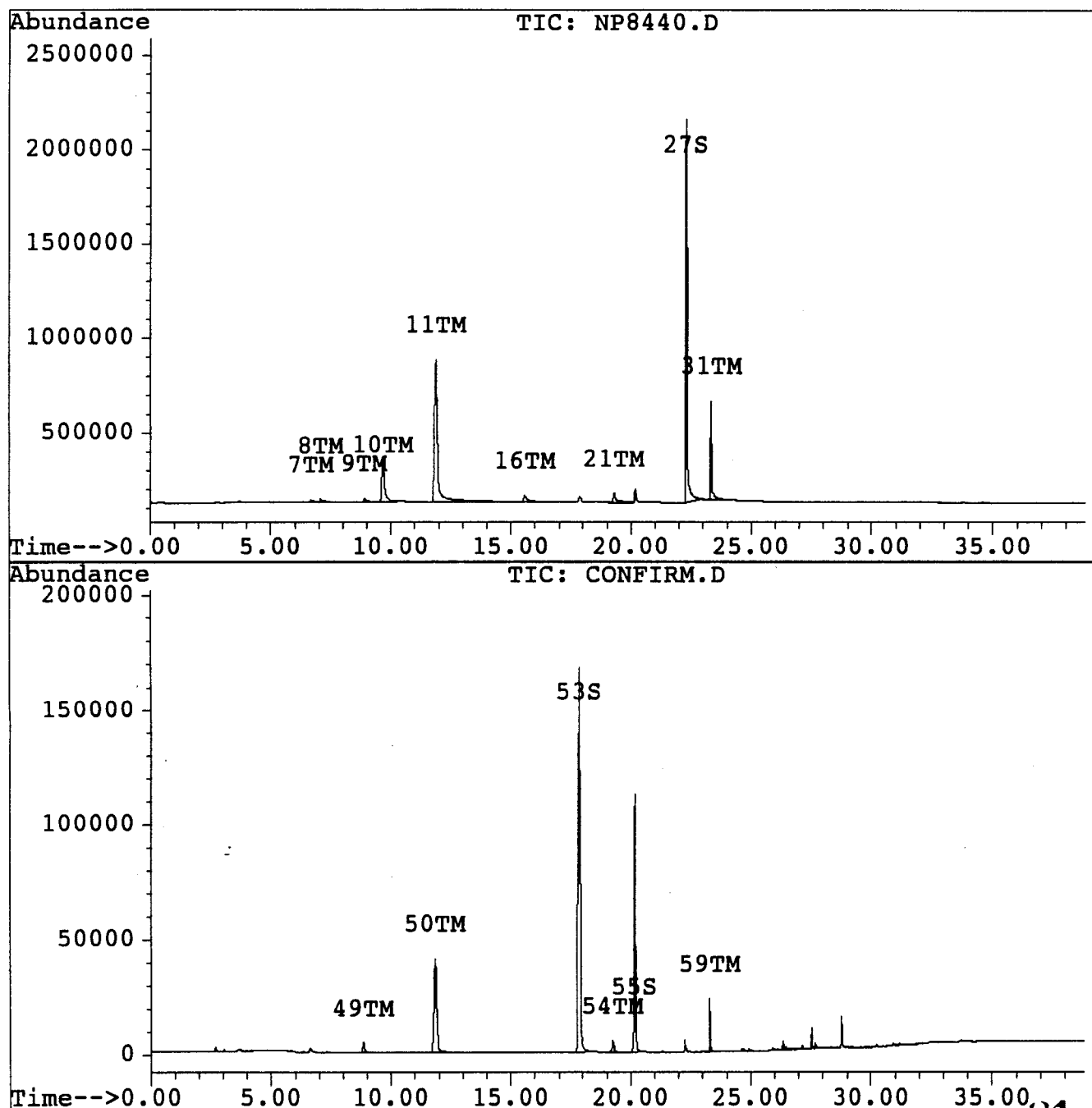
Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\NP8440.D
 Signal #2 : C:\HPCHEM\5\DATA\NP8440.D\CONFIRM.D
 Acq On : 28 Nov 96 11:44 PM
 Sample : E16449-1, V601STD
 Misc : GC3210,GNP276,W,,,40
 Quant Time: Dec 2 9:53 1996

Vial: 11
 Operator: RMS
 Inst : GC-NP
 Multiplr: 40.00

Method : C:\HPCHEM\5\METHODS\VRX1105.M
 Title : 601/602 BY GC-PID AND GC-ELCD
 Last Update : Wed Nov 06 08:32:05 1996
 Response via : Multiple Level Calibration

Volume Inj. : 5.0 ML PURGE VOLUME
 Signal #1 Phase : (ELCD) J+W DBVRX Signal #2 Phase: (PID) J+W DBVRX 75mX
 Signal #1 Info : Signal #2 Info :



Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\NP8440.D
Signal #2 : C:\HPCHEM\5\DATA\NP8440.D\CONFIRM.D
Acq On : 28 Nov 96 11:44 PM
Sample : E16449-1, V601STD
Misc : GC3210,GNP276,W,,,,40
Quant Time: Dec 2 9:53 1996

Vial: 11
Operator: RMS
Inst : GC-NP
Multiplr: 40.00

Method : C:\HPCHEM\5\METHODS\VRX1105.M
Title : 601/602 BY GC-PID AND GC-ELCD
Last Update : Wed Nov 06 08:32:05 1996
Response via : Multiple Level Calibration

Volume Inj. : 5.0 ML PURGE VOLUME

Signal #1 Phase : (ELCD) J+W DBVRX Signal #2 Phase: (PID) J+W DBVRX 75mX
Signal #1 Info : Signal #2 Info :

	Compound	R.T.	Response	Conc Units

System Monitoring Compounds				
27) S	2-Bromo-1-Chloropropane	22.28	78407986	22.945 PPB
			Recovery =	76.48%
53) S	Fluorobenzene	17.84	10263228	25.057 PPB
			Recovery =	83.52%
55) S	aaa-Trifluorotoluene #2	20.17	5021253	25.141 PPB
			Recovery =	83.80%
Target Compounds				
7) TM	1,1-Dichloroethene	6.67	1231915	12.044 PPB
8) TM	Methylene Chloride	7.07	2290410	18.103 PPB
9) TM	trans-1,2-Dichloroethene	8.90	2063667	20.405 PPB
10) TM	1,1-Dichloroethane	9.67	19240654	160.135 PPB
11) TM	cis-1,2-Dichloroethene	11.88	76879119	514.992 PPB
16) TM	1,1,1-Trichloroethane	15.57	4880130	23.939 PPB
21) TM	Trichloroethene	19.29	4279647	22.624 PPB
31) TM	Tetrachloroethene	23.33	17447455	92.214 PPB
49) TM	trans-1,2-Dichloroethene	8.84	221608	24.019 PPB
50) TM	cis-1,2-Dichloroethene	11.85	3176044	464.826 PPB
54) TM	Trichloroethene	19.24	253789	28.188 PPB
59) TM	Tetrachloroethene	23.31	581551	78.754 PPB

Report of Analysis

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Client Sample ID:	MW-2	Date Sampled:	11/21/96
Lab Sample ID:	E16449-2	Date Received:	11/22/96
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	EPA 601/602		
Project:	Former Mobil Oil Hangar D, Westchester County Airport		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	NP8454.D	50	12/02/96	RMS	n/a	n/a	GNP276
Run #2							

VOA Halogenated List

CAS No.	Compound	Result	RDL	Units	Q
75-25-2	Bromoform	ND	10	ug/l	
75-27-4	Bromodichloromethane	ND	10	ug/l	
74-83-9	Bromomethane	ND	10	ug/l	
56-23-5	Carbon tetrachloride	ND	10	ug/l	
108-90-7	Chlorobenzene	ND	10	ug/l	
75-00-3	Chloroethane	949	10	ug/l	
67-66-3	Chloroform	ND	10	ug/l	
74-87-3	Chloromethane	ND	10	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	10	ug/l	
124-48-1	Dibromochloromethane	ND	10	ug/l	
75-71-8	Dichlorodifluoromethane	ND	10	ug/l	
75-34-3	1,1-Dichloroethane	1500	10	ug/l	
107-06-2	1,2-Dichloroethane	ND	10	ug/l	
75-35-4	1,1-Dichloroethene	57.9	10	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	10	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	10	ug/l	
78-87-5	1,2-Dichloropropane	ND	10	ug/l	
75-09-2	Methylene chloride	98.2	10	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	10	ug/l	
127-18-4	Tetrachloroethene	58.8	10	ug/l	
71-55-6	1,1,1-Trichloroethane	835	10	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	10	ug/l	
79-01-6	Trichloroethene	46.6	10	ug/l	
75-69-4	Trichlorofluoromethane	ND	10	ug/l	
75-01-4	Vinyl chloride	ND	10	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	10	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	10	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	10	ug/l	
156-69-4	cis-1,2-Dichloroethene	544	10	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
98-08-8	aaa-Trifluorotoluene	92%		75-125%
462-06-6	Fluorobenzene	91%		75-125%
3017-95-6	2-Bromo-1-chloropropane	95%		75-125%

ND = Not detected

RDL = Reported Detection Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates that analyte is found in associated method blank

N = Indicates presumptive evidence of a compound

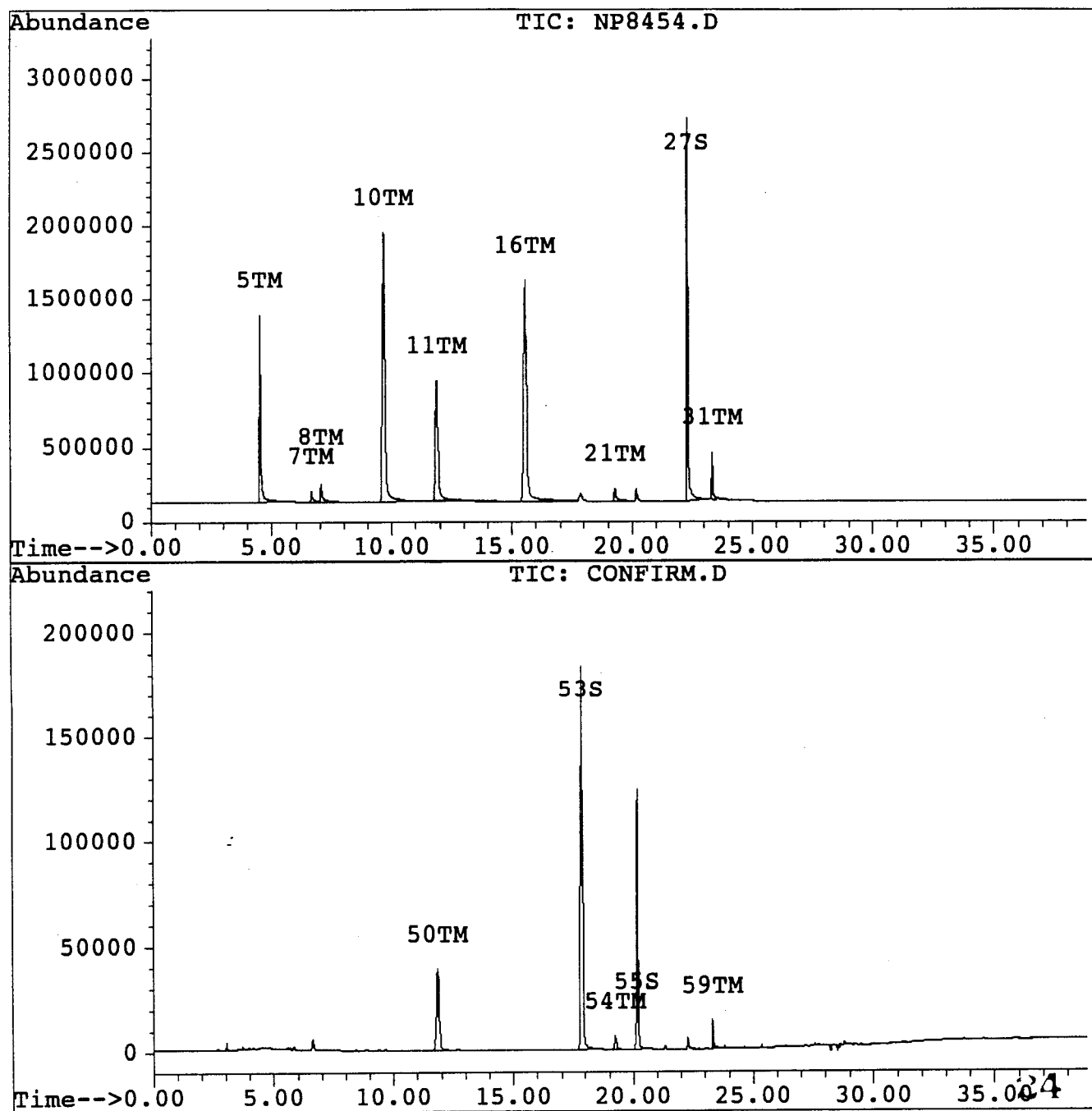
Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\NP8454.D
 Signal #2 : C:\HPCHEM\5\DATA\NP8454.D\CONFIRM.D
 Acq On : 02 Dec 96 05:51 PM
 Sample : E16449-2, V601STD 1:50
 Misc : GC3210,GNP276,W,,,50
 Quant Time: Dec 3 10:36 1996

Vial: 4
 Operator: RMS
 Inst : GC-NP
 Multiplr: 50.00

Method : C:\HPCHEM\5\METHODS\VRX1105.M
 Title : 601/602 BY GC-PID AND GC-ELCD
 Last Update : Wed Nov 06 08:32:05 1996
 Response via : Multiple Level Calibration

Volume Inj. : 5.0 ML PURGE VOLUME
 Signal #1 Phase : (ELCD) J+W DBVRX Signal #2 Phase: (PID) J+W DBVRX 75mX
 Signal #1 Info : Signal #2 Info :



Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\NP8454.D
Signal #2 : C:\HPCHEM\5\DATA\NP8454.D\CONFIRM.D
Acq On : 02 Dec 96 05:51 PM
Sample : E16449-2, V601STD 1:50
Misc : GC3210,GNP276,W,,,,50
Quant Time: Dec 3 10:36 1996

Vial: 4

Operator: RMS
Inst : GC-NP
Multiplr: 50.00

Method : C:\HPCHEM\5\METHODS\VRX1105.M
Title : 601/602 BY GC-PID AND GC-ELCD
Last Update : Wed Nov 06 08:32:05 1996
Response via : Multiple Level Calibration

Volume Inj. : 5.0 ML PURGE VOLUME

Signal #1 Phase : (ELCD) J+W DBVRX Signal #2 Phase: (PID) J+W DBVRX 75mX

Signal #1 Info : Signal #2 Info :

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
27) S 2-Bromo-1-Chloropropane	22.28	97006300	28.387 PPB
		Recovery =	94.62%
53) S Fluorobenzene	17.84	11169824	27.271 PPB
		Recovery =	90.90%
55) S aaa-Trifluorotoluene #2	20.17	5535742	27.717 PPB
		Recovery =	92.39%
Target Compounds			
5) TM Chloroethane	4.51	49007787	948.943 PPB
7) TM 1,1-Dichloroethene	6.64	4740085	57.928 PPB
8) TM Methylene Chloride	7.05	9936245	98.169 PPB
10) TM 1,1-Dichloroethane	9.66	144678304	1505.153 PPB
11) TM cis-1,2-Dichloroethene	11.87	73722739	617.310 PPB
16) TM 1,1,1-Trichloroethane	15.55	136223846	835.304 PPB
21) TM Trichloroethene	19.28	6556875	43.329 PPB
31) TM Tetrachloroethene	23.33	9774895	64.578 PPB
50) TM cis-1,2-Dichloroethene	11.84	2976490	544.526 PPB
54) TM Trichloroethene	19.24	335663	46.603 PPB
59) TM Tetrachloroethene	23.31	347164	58.766 PPB

**ACCUTEST.****Report of Analysis**

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Client Sample ID:	MW-3	Date Sampled:	11/21/96
Lab Sample ID:	E16449-3	Date Received:	11/22/96
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	EPA 601/602		
Project:	Former Mobil Oil Hangar D, Westchester County Airport		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	NP8442.D	1	11/29/96	RMS	n/a	n/a	GNP276
Run #2							

VOA Halogenated List

CAS No.	Compound	Result	RDL	Units	Q
75-25-2	Bromoform	ND	0.20	ug/l	
75-27-4	Bromodichloromethane	ND	0.20	ug/l	
74-83-9	Bromomethane	ND	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	0.20	ug/l	
108-90-7	Chlorobenzene	ND	0.20	ug/l	
75-00-3	Chloroethane	7.1	0.20	ug/l	
67-66-3	Chloroform	ND	0.20	ug/l	
74-87-3	Chloromethane	ND	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	0.20	ug/l	
124-48-1	Dibromochloromethane	ND	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	0.20	ug/l	
75-34-3	1,1-Dichloroethane	1.0	0.20	ug/l	
107-06-2	1,2-Dichloroethane	ND	0.20	ug/l	
75-35-4	1,1-Dichloroethene	ND	0.20	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	0.20	ug/l	
75-09-2	Methylene chloride	2.0	0.20	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.20	ug/l	
127-18-4	Tetrachloroethene	0.28	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	0.20	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	0.20	ug/l	
79-01-6	Trichloroethene	ND	0.20	ug/l	
75-69-4	Trichlorofluoromethane	ND	0.20	ug/l	
75-01-4	Vinyl chloride	0.74	0.20	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	0.20	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	0.20	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	0.20	ug/l	
156-69-4	cis-1,2-Dichloroethene	2.0	0.20	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
98-08-8	aaa-Trifluorotoluene	82%		75-125%
462-06-6	Fluorobenzene	82%		75-125%
3017-95-6	2-Bromo-1-chloropropane	79%		75-125%

ND = Not detected

RDL = Reported Detection Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates that analyte is found in associated method blank

N = Indicates presumptive evidence of a compound

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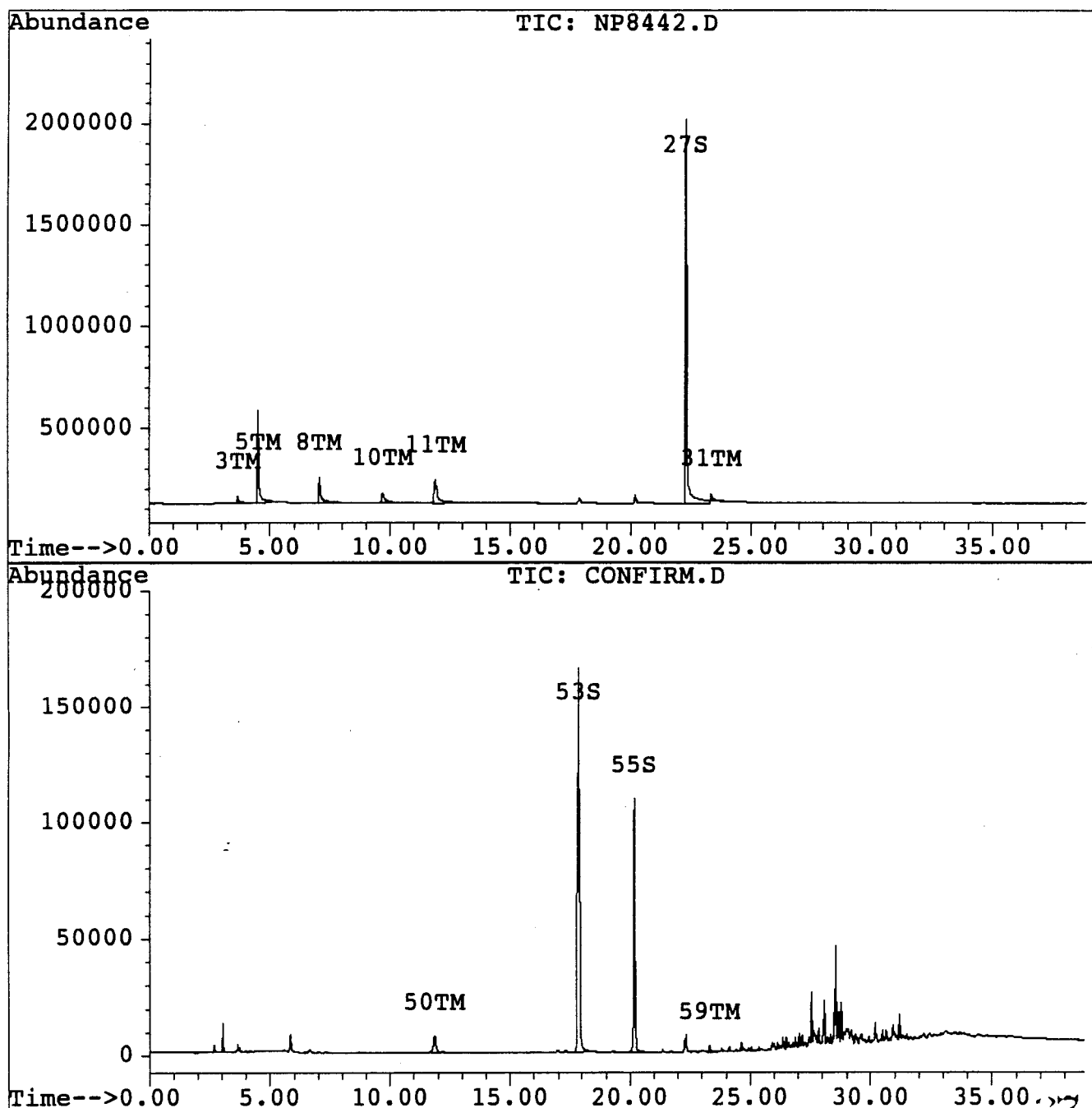
Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\NP8442.D
 Signal #2 : C:\HPCHEM\5\DATA\NP8442.D\CONFIRM.D
 Acq On : 29 Nov 96 01:20 AM
 Sample : E16449-3, V601STD
 Misc : GC3210,GNP276,W,,,1
 Quant Time: Dec 12 15:33 1996

Vial: 13
 Operator: RMS
 Inst : GC-NP
 Multiplr: 1.00

Method : C:\HPCHEM\5\METHODS\VRX1105.M
 Title : 601/602 BY GC-PID AND GC-ELCD
 Last Update : Mon Dec 09 10:47:32 1996
 Response via : Multiple Level Calibration

Volume Inj. : 5.0 ML PURGE VOLUME
 Signal #1 Phase : (ELCD) J+W DBVRX Signal #2 Phase: (PID) J+W DBVRX 75mX
 Signal #1 Info : Signal #2 Info :



Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\NP8442.D
Signal #2 : C:\HPCHEM\5\DATA\NP8442.D\CONFIRM.D
Acq On : 29 Nov 96 01:20 AM
Sample : E16449-3, V601STD
Misc : GC3210,GNP276,W,,,,1
Quant Time: Dec 12 15:33 1996

Vial: 13
Operator: RMS
Inst : GC-NP
Multiplr: 1.00

Method : C:\HPCHEM\5\METHODS\VRX1105.M
Title : 601/602 BY GC-PID AND GC-ELCD
Last Update : Mon Dec 09 10:47:32 1996
Response via : Multiple Level Calibration

Volume Inj. : 5.0 ML PURGE VOLUME
Signal #1 Phase : (ELCD) J+W DBVRX Signal #2 Phase: (PID) J+W DBVRX 75mX
Signal #1 Info : Signal #2 Info :

Compound	R.T.	Response	Conc	Units

System Monitoring Compounds				
27) S 2-Bromo-1-Chloropropane	22.29	81367347	23.811	PPB m
		Recovery =	79.37%	
53) S Fluorobenzene	17.84	10135171	24.745	PPB
		Recovery =	82.48%	
55) S aaa-Trifluorotoluene #2	20.17	4914635	24.607	PPB
		Recovery =	82.02%	
Target Compounds				
3) TM Vinyl Chloride	3.67	2203681	0.739	PPB
5) TM Chloroethane	4.51	18282483	7.080	PPB
8) TM Methylene Chloride	7.05	10021876	1.980	PPB
10) TM 1,1-Dichloroethane	9.68	4844757	1.008	PPB m
11) TM cis-1,2-Dichloroethene	11.88	11855257	1.985	PPB
31) TM Tetrachloroethene	23.34	1920375	0.254	PPB
50) TM cis-1,2-Dichloroethene	11.85	551904	2.019	PPB m
59) TM Tetrachloroethene	23.31	81651	0.276	PPB

Report of Analysis

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Client Sample ID: MW-4	Date Sampled: 11/21/96
Lab Sample ID: E16449-4	Date Received: 11/22/96
Matrix: AQ - Ground Water	Percent Solids: n/a
Method: EPA 601/602	
Project: Former Mobil Oil Hangar D, Westchester County Airport	

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	NP8443.D	1	11/29/96	RMS	n/a	n/a	GNP276
Run #2							

VOA Halogenated List

CAS No.	Compound	Result	RDL	Units	Q
75-25-2	Bromoform	ND	0.20	ug/l	
75-27-4	Bromodichloromethane	ND	0.20	ug/l	
74-83-9	Bromomethane	ND	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	0.20	ug/l	
108-90-7	Chlorobenzene	ND	0.20	ug/l	
75-00-3	Chloroethane	3.1	0.20	ug/l	
67-66-3	Chloroform	ND	0.20	ug/l	
74-87-3	Chloromethane	ND	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	0.20	ug/l	
124-48-1	Dibromochloromethane	ND	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	0.20	ug/l	
75-34-3	1,1-Dichloroethane	13.6	0.20	ug/l	
107-06-2	1,2-Dichloroethane	ND	0.20	ug/l	
75-35-4	1,1-Dichloroethene	1.2	0.20	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	0.20	ug/l	
75-09-2	Methylene chloride	2.6	0.20	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.20	ug/l	
127-18-4	Tetrachloroethene	0.27	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	0.20	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	0.20	ug/l	
79-01-6	Trichloroethene	ND	0.20	ug/l	
75-69-4	Trichlorofluoromethane	ND	0.20	ug/l	
75-01-4	Vinyl chloride	0.99	0.20	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	0.20	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	0.20	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	0.20	ug/l	
156-69-4	cis-1,2-Dichloroethene	19.0	0.20	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
98-08-8	aaa-Trifluorotoluene	83 %		75-125 %
462-06-6	Fluorobenzene	86 %		75-125 %
3017-95-6	2-Bromo-1-chloropropane	80 %		75-125 %

ND = Not detected

RDL = Reported Detection Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates that analyte is found in associated method blank

N = Indicates presumptive evidence of a compound

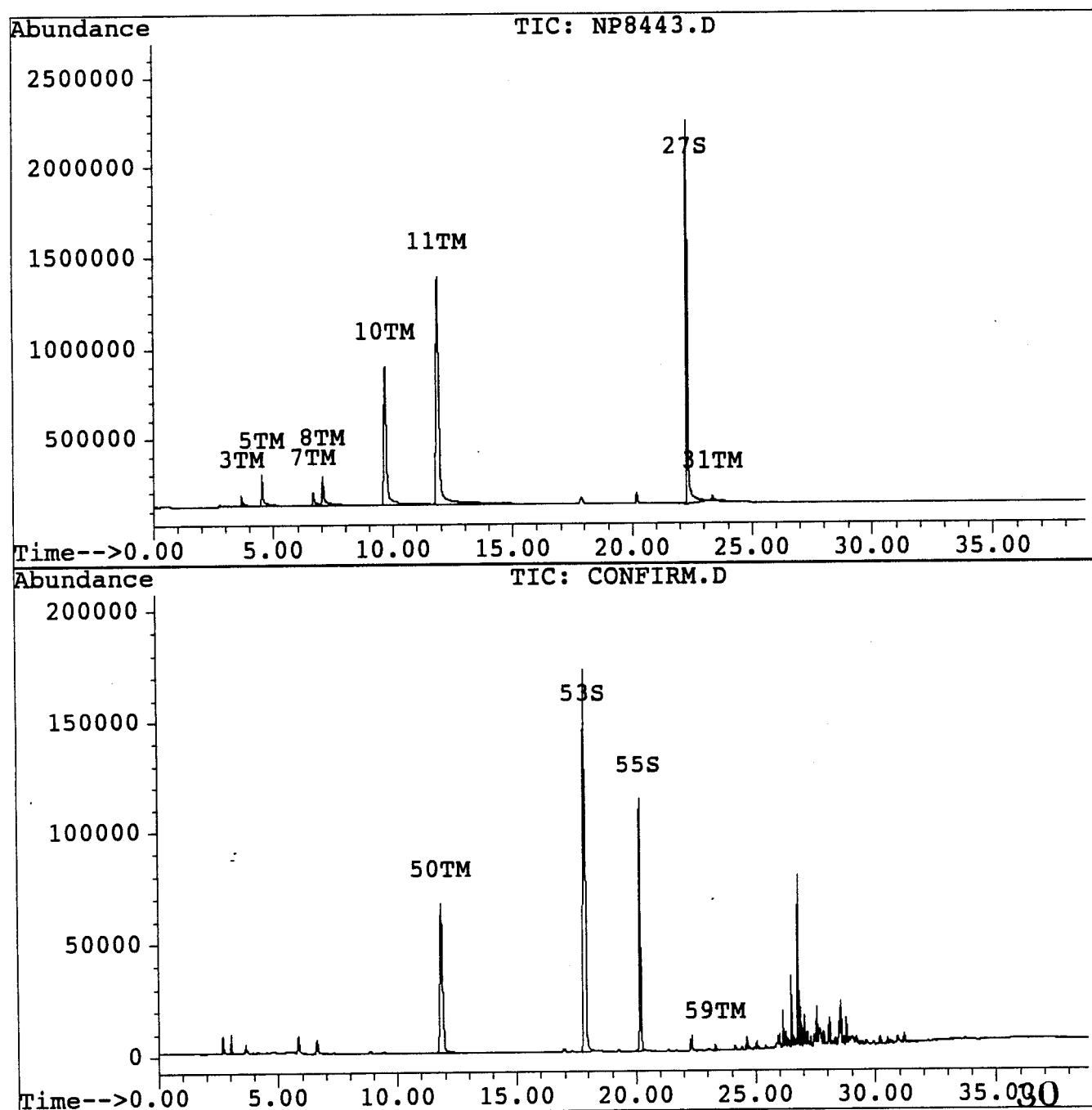
Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\NP8443.D
 Signal #2 : C:\HPCHEM\5\DATA\NP8443.D\CONFIRM.D
 Acq On : 29 Nov 96 02:07 AM
 Sample : E16449-4, V601STD
 Misc : GC3210,GNP276,W,,,1
 Quant Time: Dec 2 10:17 1996

Vial: 14
 Operator: RMS
 Inst : GC-NP
 Multiplr: 1.00

Method : C:\HPCHEM\5\METHODS\VRX1105.M
 Title : 601/602 BY GC-PID AND GC-ELCD
 Last Update : Wed Nov 06 08:32:05 1996
 Response via : Multiple Level Calibration

Volume Inj. : 5.0 ML PURGE VOLUME
 Signal #1 Phase : (ELCD) J+W DBVRX Signal #2 Phase: (PID) J+W DBVRX 75mX
 Signal #1 Info : Signal #2 Info :



Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\NP8443.D
Signal #2 : C:\HPCHEM\5\DATA\NP8443.D\CONFIRM.D
Acq On : 29 Nov 96 02:07 AM
Sample : E16449-4, V601STD
Misc : GC3210,GNP276,W,,,1
Quant Time: Dec 2 10:17 1996

Vial: 14
Operator: RMS
Inst : GC-NP
Multiplr: 1.00

Method : C:\HPCHEM\5\METHODS\VRX1105.M
Title : 601/602 BY GC-PID AND GC-ELCD
Last Update : Wed Nov 06 08:32:05 1996
Response via : Multiple Level Calibration

Volume Inj. : 5.0 ML PURGE VOLUME
Signal #1 Phase : (ELCD) J+W DBVRX Signal #2 Phase: (PID) J+W DBVRX 75mX
Signal #1 Info : Signal #2 Info :

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
27) S 2-Bromo-1-Chloropropane	22.28	81804483	23.939 PPB
		Recovery =	79.80%
53) S Fluorobenzene	17.84	10512488	25.666 PPB
		Recovery =	85.55%
55) S aaa-Trifluorotoluene #2	20.17	4999687	25.033 PPB
		Recovery =	83.44%
Target Compounds			
3) TM Vinyl Chloride	3.67	2953507	0.990 PPB
5) TM Chloroethane	4.52	8029844	3.110 PPB
7) TM 1,1-Dichloroethene	6.64	4985948	1.219 PPB
8) TM Methylene Chloride	7.05	13260620	2.620 PPB
10) TM 1,1-Dichloroethane	9.66	65522309	13.633 PPB
11) TM cis-1,2-Dichloroethene	11.87	117971274	19.756 PPB
31) TM Tetrachloroethene	23.34	1832571	0.242 PPB
50) TM cis-1,2-Dichloroethene	11.84	5190379	18.991 PPB
59) TM Tetrachloroethene	23.31	79192	0.268 PPB



Report of Analysis

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Client Sample ID: TB
Lab Sample ID: E16449-5
Matrix: AQ - Trip Blank Water
Method: EPA 601/602
Project: Former Mobil Oil Hangar D, Westchester County Airport

Date Sampled: 11/19/96
Date Received: 11/22/96
Percent Solids: n/a

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	NP8438.D	1	11/28/96	RMS	n/a	n/a	GNP276
Run #2							

VOA Halogenated List

CAS No.	Compound	Result	RDL	Units	Q
75-25-2	Bromoform	ND	0.20	ug/l	
75-27-4	Bromodichloromethane	ND	0.20	ug/l	
74-83-9	Bromomethane	ND	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	0.20	ug/l	
108-90-7	Chlorobenzene	ND	0.20	ug/l	
75-00-3	Chloroethane	ND	0.20	ug/l	
67-66-3	Chloroform	ND	0.20	ug/l	
74-87-3	Chloromethane	ND	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	0.20	ug/l	
124-48-1	Dibromochloromethane	ND	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	0.20	ug/l	
75-34-3	1,1-Dichloroethane	ND	0.20	ug/l	
107-06-2	1,2-Dichloroethane	ND	0.20	ug/l	
75-35-4	1,1-Dichloroethene	ND	0.20	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	0.20	ug/l	
75-09-2	Methylene chloride	ND	0.20	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.20	ug/l	
127-18-4	Tetrachloroethene	ND	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	0.20	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	0.20	ug/l	
79-01-6	Trichloroethene	ND	0.20	ug/l	
75-69-4	Trichlorofluoromethane	ND	0.20	ug/l	
75-01-4	Vinyl chloride	ND	0.20	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	0.20	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	0.20	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	0.20	ug/l	
156-69-4	cis-1,2-Dichloroethene	ND	0.20	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
98-08-8	aaa-Trifluorotoluene	81 %		75-125 %
462-06-6	Fluorobenzene	83 %		75-125 %
3017-95-6	2-Bromo-1-chloropropane	77 %		75-125 %

ND = Not detected

RDL = Reported Detection Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates that analyte is found in associated method blank

N = Indicates presumptive evidence of a compound

Quantitation Report

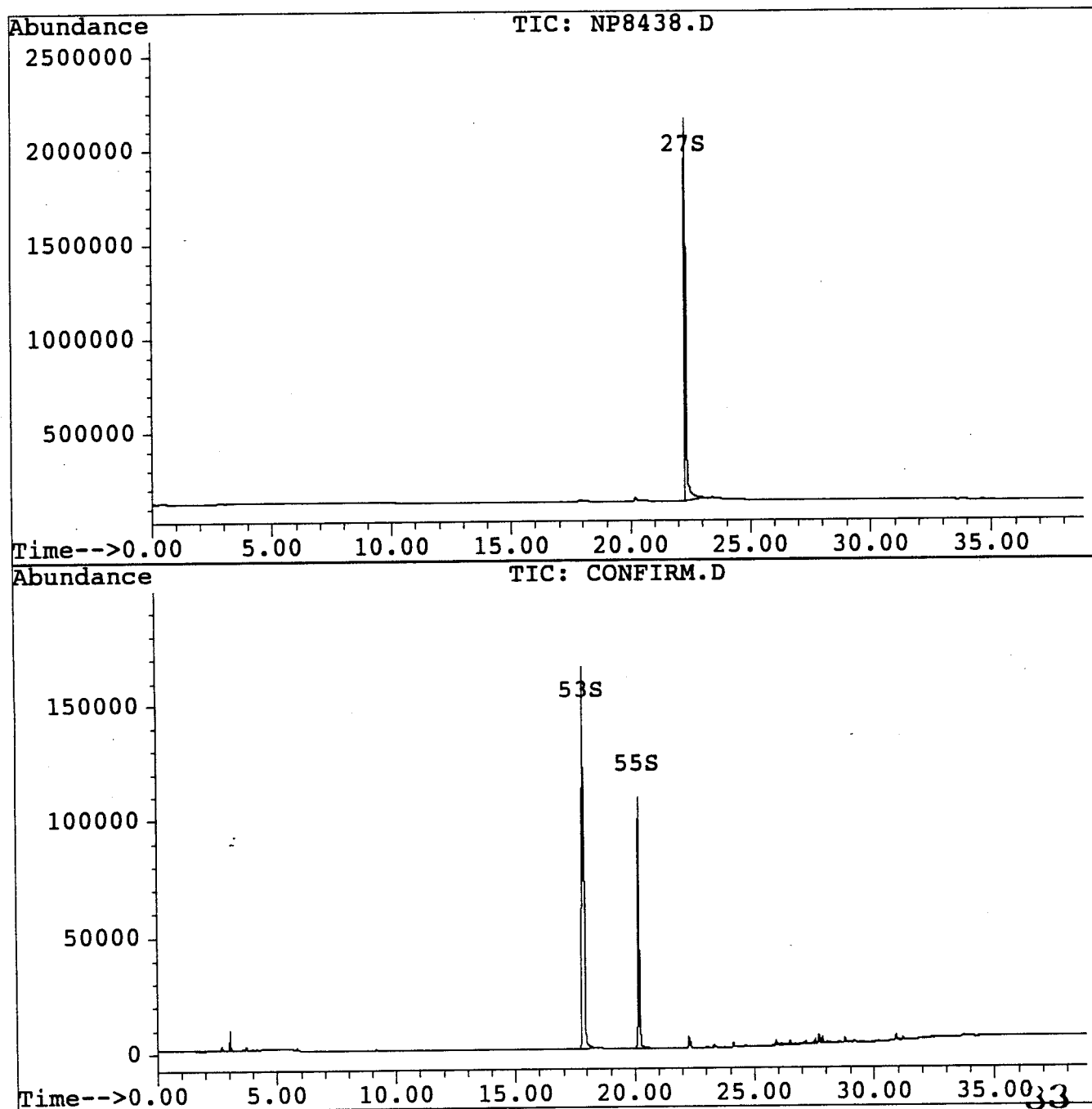
Signal #1 : C:\HPCHEM\5\DATA\NP8438.D
 Signal #2 : C:\HPCHEM\5\DATA\NP8438.D\CONFIRM.D
 Acq On : 28 Nov 96 10:09 PM
 Sample : E16449-5, 601STD
 Misc : GC3210,GNP276,W,,,1
 Quant Time: Dec 2 9:45 1996

Vial: 9

Operator: RMS
 Inst : GC-NP
 Multiplr: 1.00

Method : C:\HPCHEM\5\METHODS\VRX1105.M
 Title : 601/602 BY GC-PID AND GC-ELCD
 Last Update : Wed Nov 06 08:32:05 1996
 Response via : Multiple Level Calibration

Volume Inj. : 5.0 ML PURGE VOLUME
 Signal #1 Phase : (ELCD) J+W DBVRX Signal #2 Phase: (PID) J+W DBVRX 75mX
 Signal #1 Info : Signal #2 Info :



Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\NP8438.D
Signal #2 : C:\HPCHEM\5\DATA\NP8438.D\CONFIRM.D
Acq On : 28 Nov 96 10:09 PM
Sample : E16449-5, 601STD
Misc : GC3210,GNP276,W,,,,1
Quant Time: Dec 2 9:45 1996

Vial: 9
Operator: RMS
Inst : GC-NP
Multiplr: 1.00

Method : C:\HPCHEM\5\METHODS\VRX1105.M
Title : 601/602 BY GC-PID AND GC-ELCD
Last Update : Wed Nov 06 08:32:05 1996
Response via : Multiple Level Calibration

Volume Inj. : 5.0 ML PURGE VOLUME
Signal #1 Phase : (ELCD) J+W DBVRX Signal #2 Phase: (PID) J+W DBVRX 75mX
Signal #1 Info : Signal #2 Info :

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
27) S 2-Bromo-1-Chloropropane	22.28	78761856	23.048 PPB
		Recovery =	76.83%
53) S Fluorobenzene	17.85	10152850	24.788 PPB
		Recovery =	82.63%
55) S aaa-Trifluorotoluene #2	20.17	4849747	24.282 PPB
		Recovery =	80.94%

Target Compounds

Response Factor Report GC-NP

Method : C:\HPCHEM\5\METHODS\VRX1105.M
 Title : 601/602 BY GC-PID AND GC-ELCD
 Last Update : Wed Nov 06 08:32:05 1996
 Response via : Initial Calibration

Calibration Files

1 =NP7988.D 2 =NP7989.D 5 =NP7990.D
 10 =NP7991.D 20 =NP7992.D 40 =NP7993.D

	Compound	1	2	5	10	20	40	Avg	%RS
1) TM	Dichlorodifluoromet	1.5	1.6	1.6	1.7	1.7	1.8	1.7 E6	5.9
2) TM	Chloromethane	1.7	1.8	1.7	2.1	2.0		1.9 E6	9.5
3) TM	Vinyl Chloride	3.3	3.2	3.0	2.8	2.6		3.0 E6	9.6
4) TM	Bromomethane	1.0	1.2	1.2	1.2	1.2	1.3	1.2 E6	7.7
5) TM	Chloroethane	2.6	2.6	2.7	2.6	2.5	2.4	2.6 E6	4.1
6) TM	Trichlorofluorometh	3.8	3.8	3.7	3.6	3.3	3.3	3.6 E6	6.5
7) TM	1,1-Dichloroethene	4.5	4.1	4.1	4.3	3.7	3.8	4.1 E6	7.4
8) TM	Methylene Chloride	5.0	5.6	5.1	5.0	4.6		5.1 E6	7.3
9) TM	trans-1,2-Dichloroe	4.5	4.2	4.1	4.2	3.7	3.6	4.0 E6	8.2
10) TM	1,1-Dichloroethane	4.9	5.3	5.1	5.1	4.5	4.0	4.8 E6	9.6
11) TM	cis-1,2-Dichloroeth	5.7	6.4	6.6	5.8	5.3		6.0 E6	8.5
12) TM	Bromochloromethane	4.3	4.6	4.8	5.1	4.4	4.0	4.5 E6	8.3
13) TM	Chloroform	8.7	8.7	9.1	8.9	7.9	7.1	8.4 E6	9.1
14) TM	2,2-Dichloropropane	7.7	7.8	7.9	7.4	6.7		7.5 E6	6.5
15) TM	1,2-Dichloroethane	5.2	5.2	5.6	5.8	5.2	5.0	5.3 E6	5.5
16) TM	1,1,1-Trichloroetha	8.9	8.7	8.5	8.4	7.5	6.9	8.2 E6	9.8
17) TM	1,1-Dichloropropene	6.3	6.5	6.6	6.8	5.8	5.8	6.3 E6	6.6
18) TM	Carbon Tetrachlorid	9.4	9.5	10.3	10.2	8.6	8.0	9.3 E6	9.8
19) TM	Dibromomethane	2.6	2.5	2.8	3.1	2.8	2.8	2.7 E6	7.5
20) TM	1,2-Dichloropropane	5.9	6.2	6.4	6.7	5.8	5.6	6.1 E6	6.8
21) TM	Trichloroethene	8.0	8.0	7.9	8.0	6.9	6.7	7.6 E6	7.9
22) TM	Bromodichloromethan	7.6	7.7	7.7	7.1	6.1		7.2 E6	9.2
23) TM	2-Chloroethylvinyl	796.5	831.8	882.7	913.6	928.6	993.2	891.1 E3	7.9
24) TM	cis-1,3-Dichloropro	5.8	6.0	5.7	5.7	5.1	4.8	5.5 E6	8.0
25) TM	trans-1,3-Dichlorop	3.6	4.3	4.4	4.8	4.2	4.1	4.2 E6	9.0
26) TM	1,1,2-Trichloroetha	5.7	6.0	5.8	6.0	5.2	4.9	5.6 E6	8.0
27) S	2-Bromo-1-Chloropro	3.2	3.3	3.3	3.4	3.6	3.6	3.4 E6	4.5
28) TM	1,3-Dichloropropane	5.0	5.2	5.4	5.3	4.2		5.0 E6	9.4
29) TM	Dibromochloromethan	3.4	3.5	3.8	4.1	3.5	3.5	3.6 E6	7.5
30) TM	1,2-Dibromoethane	2.1	2.3	2.5	2.4	2.4	2.5	2.4 E6	7.1
31) TM	Tetrachloroethene	8.1	7.9	7.7	7.7	6.4		7.6 E6	8.6
32) TM	1,1,1,2-Tetrachloro	6.7	7.0	6.7	7.0	6.1	5.8	6.5 E6	7.6
33) TM	Chlorobenzene	3.3	3.4	3.3	3.3	2.8	2.7	3.1 E6	9.4
34) TM	Bromoform	1.9	1.9	2.1	2.3	2.1	2.0	2.0 E6	7.3
35) TM	1,1,2,2-Tetrachloro	3.3	3.6	3.6	3.8	3.0	3.1	3.4 E6	9.8
36) TM	1,2,3-Trichloroprop	3.1	3.1	3.2	3.3	2.6		3.0 E6	8.4
37) TM	Bromobenzene	1.9	1.9	2.1	2.2	2.0	1.9	2.0 E6	6.9
38) TM	2-Chlorotoluene	2.3	2.3	2.5	2.7	2.3	2.3	2.4 E6	7.7
39) TM	4-Chlorotoluene	2.9	2.7	2.8	2.9	2.4	2.3	2.7 E6	9.4
40) TM	1,3-Dichlorobenzene	3.6	3.8	3.9	4.1	3.5	3.4	3.7 E6	7.1
41) TM	1,4-Dichlorobenzene	4.7	4.9	4.6	4.6	3.9		4.5 E6	8.3
42) TM	1,2-Dichlorobenzene	4.2	4.2	4.2	4.3	3.6	3.5	4.0 E6	8.9
43) TM	1,2-Dibromomo-3-chl	874.3	796.1	873.1	968.2	883.9	927.9	887.3 E3	6.5
4) TM	1,2,4-Trichlorobenz	4.1	4.1	4.1	4.6	3.7	3.9	4.1 E6	7.2

Response Factor Report GC-NP

Method : C:\HPCHEM\5\METHODS\VRX1105.M
 Title : 601/602 BY GC-PID AND GC-ELCD
 Last Update : Wed Nov 06 08:32:05 1996
 Response via : Initial Calibration

Calibration Files

1 =NP7988.D 2 =NP7989.D 5 =NP7990.D
 10 =NP7991.D 20 =NP7992.D 40 =NP7993.D

	Compound	1	2	5	10	20	40	Avg		%RS
45) TM	Hexachlorobutadiene	6.9	6.9	6.6	7.4	6.0	6.1	6.7	E6	8.3
46) TM	1,2,3-Trichlorobenz	5.2	5.1	4.7	4.8	4.4	4.0	4.7	E6	8.7

Signal #2 Calibration Files

1 =CONFIRM.D 2 =CONFIRM.D 5 =CONFIRM.D
 10 =CONFIRM.D 20 =CONFIRM.D 40 =CONFIRM.D

	Compound	1	2	5	10	20	40	Avg		%RS
48) TM	tert-Butyl Alcohol	1.0	0.9	1.0	0.9		0.8	0.9	E3	9.7
49) TM	trans-1,2-Dichloroe	353.9	347.9	360.2	403.2	364.9	384.3	369.1	E3	5.6
50) TM	cis-1,2-Dichloroeth	256.6	286.6	301.3	288.9	272.8	233.5	273.3	E3	9.0
51) TM	1,1-Dichloropropene	260.1	254.2	259.6	292.7	261.7	280.0	268.0	E3	5.5
52) TM	Benzene	591.7	583.9	595.3	663.5	599.7	640.9	612.5	E3	5.2
53) S	Fluorobenzene	396.0	409.0	397.9	405.3	415.9	433.5	409.6	E3	3.3
54) TM	Trichloroethene	349.8	342.1	349.0	390.3	351.6	378.0	360.1	E3	5.3
55) S	aaa-Trifluorotoluen	194.8	200.4	196.0	195.7	201.9	209.4	199.7	E3	2.7
56) TM	cis-1,3-Dichloropro	134.4	134.5	139.8	156.2	144.9	153.9	143.9	E3	6.6
57) TM	trans-1,3-Dichlorop	164.7	169.1	177.9	198.6	183.1	195.1	181.4	E3	7.5
58) TM	Toluene	599.8	572.5	570.2	628.9	558.1	587.6	586.2	E3	4.3
59) TM	Tetrachloroethene	311.3	297.6	288.4	311.1	272.5	291.3	295.4	E3	5.0
60) TM	Chlorobenzene	591.5	579.6	603.7	657.3	588.7	622.6	607.2	E3	4.7
61) TM	Ethylbenzene	516.2	507.0	526.6	577.3	513.2	542.2	530.4	E3	4.9
62) TM	m,p-Xylene	590.4	581.9	601.4	660.9	586.7	615.2	606.1	E3	4.8
63) TM	Styrene	628.4	616.1	646.6	710.1	635.8	667.5	650.7	E3	5.2
64) TM	o-Xylene	505.5	498.0	518.4	567.4	505.3	524.7	519.9	E3	4.8
65) TM	Isopropylbenzene	422.2	412.4	425.9	473.5	418.2	439.5	431.9	E3	5.1
66) TM	Bromobenzene	609.4	603.4	627.5	684.4	610.0	640.8	629.3	E3	4.8
67) TM	n-Propylbenzene	465.4	463.6	480.4	536.4	472.5	499.4	486.3	E3	5.7
68) TM	2-Chlorotoluene	577.9	560.3	564.3	612.8	540.3	564.7	570.0	E3	4.2
69) TM	4-Chlorotoluene	594.5	571.9	582.1	639.0	564.0	591.0	590.4	E3	4.4
70) TM	1,3,5-Trimethylbenz	708.9	702.0	721.2	792.4	701.0	736.8	727.1	E3	4.7
71) TM	tert-Butylbenzene	412.2	392.8	397.9	444.1	387.7	411.0	407.6	E3	4.9
72) TM	1,2,4-Trimethylbenz	535.6	523.7	535.6	589.1	524.1	549.9	543.0	E3	4.5
73) TM	sec-Butylbenzene	374.4	371.1	381.9	429.8	375.4	400.0	388.8	E3	5.8
74) TM	1,3-Dichlorobenzene	548.4	544.2	568.4	625.5	555.4	591.2	572.2	E3	5.4
75) TM	1,4-Dichlorobenzene	481.9	479.1	500.9	552.6	489.9	521.3	504.3	E3	5.5
76) TM	p-Isopropyltoluene	434.5	425.1	434.3	484.0	422.0	449.3	441.5	E3	5.1
77) TM	1,2-Dichlorobenzene	411.2	403.8	424.1	464.0	410.2	435.9	424.9	E3	5.2
78) TM	n-Butylbenzene	455.0	427.3	428.9	487.5	425.5	455.3	446.6	E3	5.4
79) TM	1,2,4-Trichlorobenz	287.8	289.2	309.2	345.3	305.8	335.1	312.1	E3	7.5
80) TM	Naphthalene	248.7	245.8	265.4	307.4	263.5	294.7	270.9	E3	9.2
81) TM	Hexachlorobutadiene	244.7	241.5	253.6	297.4	256.7	281.3	262.5	E3	8.4
92) TM	1,2,3-Trichlorobenz	268.9	271.4	289.5	328.0	286.3	313.7	293.0	E3	8.0
3) TM	Methyl tert butyl e	145.8	139.5	147.1	172.1	151.4	163.4	153.2	E3	7.9

Response Factor Report GC-NP

Method : C:\HPCHEM\5\METHODS\VRX1105.M
 Title : 601/602 BY GC-PID AND GC-ELCD
 Last Update : Wed Nov 06 08:32:05 1996
 Response via : Initial Calibration

Calibration Files

1	=CONFIRM.D	2	=CONFIRM.D	5	=CONFIRM.D
10	=CONFIRM.D	20	=CONFIRM.D	40	=CONFIRM.D

	Compound	1	2	5	10	20	40	Avg	%RS
84) TM	2-Chloroethylvinyl	89.9	93.0	90.9	107.3	101.6		96.5 E3	7.8

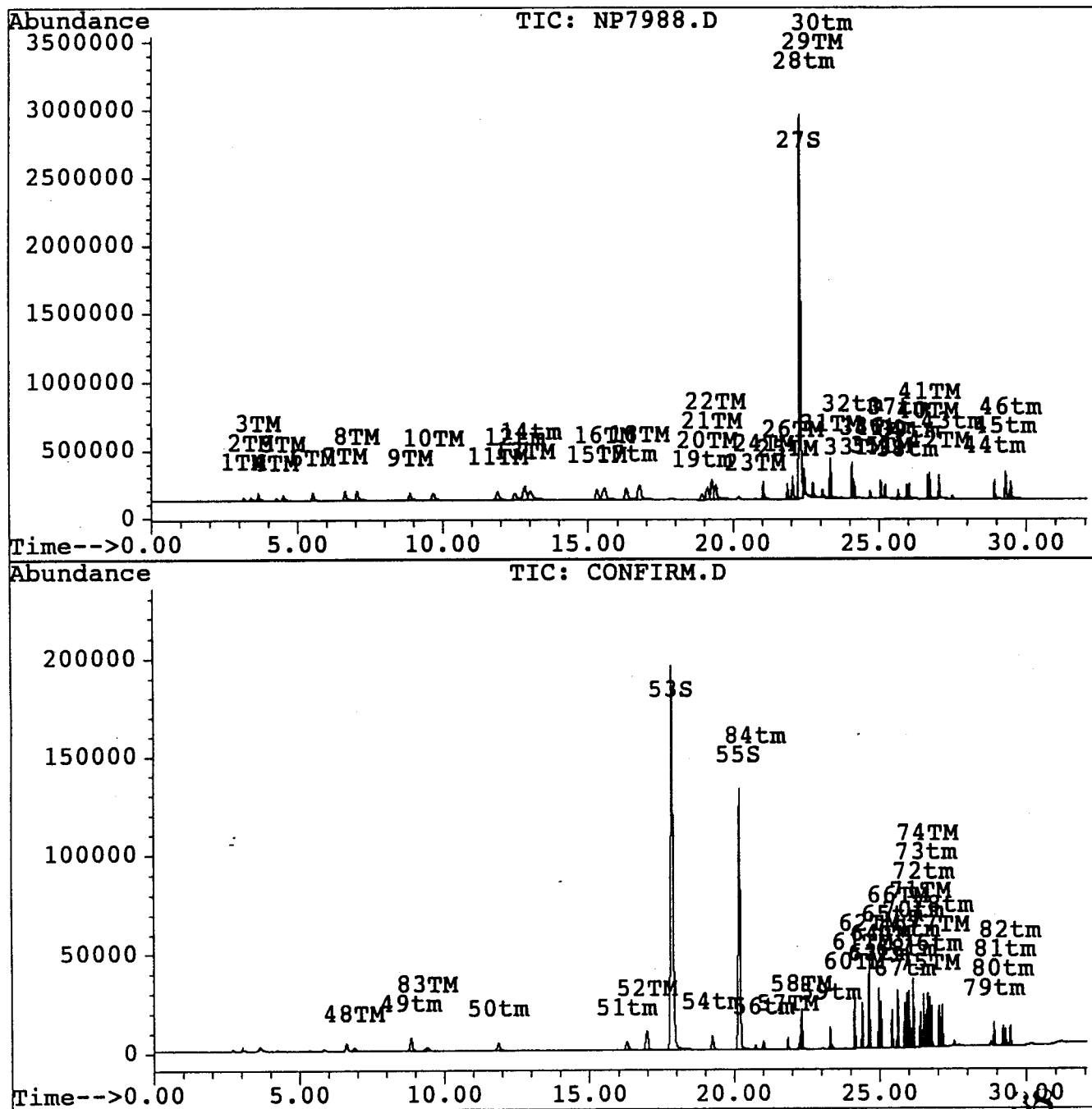
Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\NP7988.D
Signal #2 : C:\HPCHEM\5\DATA\NP7988.D\CONFIRM.D
Acq On : 05 Nov 96 11:49 AM
Sample : 1ppb STD.
Misc : GNP256,W,,,,,1
Quant Time: Nov 6 8:22 1996

Vial: 1
Operator: RMS
Inst : GC-NP
Multiplr: 1.00

Method : C:\HPCHEM\5\METHODS\VRX1105.M
Title : 601/602 BY GC-PID AND GC-ELCD
Last Update : Wed Nov 06 08:32:05 1996
Response via : Multiple Level Calibration

Volume Inj. : 5.0 ML PURGE VOLUME
Signal #1 Phase : (ELCD) J+W DBVRX Signal #2 Phase: (PID) J+W DBVRX 75mX
Signal #1 Info : Signal #2 Info :



Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\NP7988.D
 Signal #2 : C:\HPCHEM\5\DATA\NP7988.D\CONFIRM.D
 Acq On : 05 Nov 96 11:49 AM
 Sample : 1ppb STD.
 Misc : GNP256,W,,,,1
 Quant Time: Nov 6 8:22 1996

Vial: 1
 Operator: RMS
 Inst : GC-NP
 Multiplr: 1.00

Method : C:\HPCHEM\5\METHODS\VRX1105.M
 Title : 601/602 BY GC-PID AND GC-ELCD
 Last Update : Wed Nov 06 08:32:05 1996
 Response via : Multiple Level Calibration

Volume Inj. : 5.0 ML PURGE VOLUME

Signal #1 Phase : (ELCD) J+W DBVRX Signal #2 Phase: (PID) J+W DBVRX 75mX
 Signal #1 Info : Signal #2 Info :

	Compound	R.T.	Response	Conc	Units

System Monitoring Compounds					
27) S	2-Bromo-1-Chloropropane	22.29	97486912	24.975	PPB
			Recovery =	83.25%	
53) S	Fluorobenzene	17.86	11878622	28.259	PPB
			Recovery =	94.20%	
55) S	aaa-Trifluorotoluene #2	20.18	5845338	28.307	PPB
			Recovery =	94.36%	
Target Compounds					
1) TM	Dichlorodifluoromethane	3.15	1530011	0.937	PPB
2) TM	Chloromethane	3.41	1725269	1.417	PPB
3) TM	Vinyl Chloride	3.66	3271599	1.062	PPB
4) TM	Bromomethane	4.27	1022017	0.700	PPB
5) TM	Chloroethane	4.52	2645295	1.117	PPB
6) TM	Trichlorofluoromethane	5.53	3805396	0.980	PPB
7) TM	1,1-Dichloroethene	6.64	4501910	0.991	PPB
8) TM	Methylene Chloride	7.04	5044721	0.911	PPB m
9) TM	trans-1,2-Dichloroethene	8.87	4462574	0.969	PPB
10) TM	1,1-Dichloroethane	9.67	4865267	0.855	PPB m
11) TM	cis-1,2-Dichloroethene	11.89	5742007	1.095	PPB
12) tm	Bromochloromethane	12.49	4324920	1.256	PPB
13) TM	Chloroform	12.82	8746841	1.333	PPB
14) tm	2,2-Dichloropropane	13.01	7667522	1.220	PPB m
15) TM	1,2-Dichloroethane	15.30	5153121	0.852	PPB
16) TM	1,1,1-Trichloroethane	15.56	8946872	0.944	PPB m
17) tm	1,1-Dichloropropene	16.32	6317743	0.849	PPB m
18) TM	Carbon Tetrachloride	16.77	9359036	0.811	PPB m
19) tm	Dibromomethane	18.92	2567653	0.774	PPB m
20) TM	1,2-Dichloropropane	19.11	5944407	0.870	PPB
21) TM	Trichloroethene	19.27	7966515	0.901	PPB
22) TM	Bromodichloromethane	19.39	7567728	0.881	PPB m
23) TM	2-Chloroethylvinyl ether	20.76	796465	1.055	PPB m
24) TM	cis-1,3-Dichloropropene	21.04	5799978	0.905	PPB
25) TM	trans-1,3-Dichloropropene	21.87	3619716	0.710	PPB
26) TM	1,1,2-Trichloroethane	22.05	5747447	0.852	PPB
28) tm	1,3-Dichloropropane	22.43	5019694	0.861	PPB m
9) TM	Dibromochloromethane	22.74	3366366	0.750	PPB m

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\NP7988.D
 Signal #2 : C:\HPCHEM\5\DATA\NP7988.D\CONFIRM.D
 Acq On : 05 Nov 96 11:49 AM
 Sample : 1ppb STD.
 Misc : GNP256,W,,,,,1
 Quant Time: Nov 6 8:22 1996

Vial: 1

Operator: RMS
 Inst : GC-NP
 Multiplr: 1.00

Method : C:\HPCHEM\5\METHODS\VRX1105.M
 Title : 601/602 BY GC-PID AND GC-ELCD
 Last Update : Wed Nov 06 08:32:05 1996
 Response via : Multiple Level Calibration

Volume Inj. : 5.0 ML PURGE VOLUME

Signal #1 Phase : (ELCD) J+W DBVRX Signal #2 Phase: (PID) J+W DBVRX 75mX

Signal #1 Info : Signal #2 Info :

	Compound	R.T.	Response	Conc	Units
30)	tm 1,2-Dibromoethane	23.07	2056761	0.686	PPB
31)	TM Tetrachloroethene	23.33	8057511	0.933	PPB
32)	tm 1,1,1,2-Tetrachloroethane	24.08	6682967	0.832	PPB
33)	TM Chlorobenzene	24.16	3327761	0.899	PPB
34)	TM Bromoform	24.69	1903286	0.736	PPB m
35)	TM 1,1,2,2-Tetrachloroethane	25.06	3277909	0.769	PPB
36)	tm 1,2,3-Trichloropropane	25.20	3133239	0.861	PPB
37)	tm Bromobenzene	25.65	1914269	0.846	PPB
38)	tm 2-Chlorotoluene	25.95	2339861	0.861	PPB
39)	tm 4-Chlorotoluene	26.02	2884287	0.950	PPB
40)	TM 1,3-Dichlorobenzene	26.66	3618646	0.856	PPB
41)	TM 1,4-Dichlorobenzene	26.72	4697966	0.895	PPB m
42)	TM 1,2-Dichlorobenzene	27.04	4240595	0.943	PPB m
43)	tm 1,2-Dibromomo-3-chloroprop	27.48	874336	0.764	PPB m
44)	tm 1,2,4-Trichlorobenzene	28.92	4096859	0.801	PPB
45)	tm Hexachlorobutadiene	29.30	6949689	0.872	PPB
46)	tm 1,2,3-Trichlorobenzene	29.47	5152897	0.847	PPB m
48)	TM tert-Butyl Alcohol	6.88	103890	100.042	PPB m
49)	tm trans-1,2-Dichloroethene	8.85	353852	0.905	PPB
50)	tm cis-1,2-Dichloroethene	11.86	256626	1.089	PPB
51)	tm 1,1-Dichloropropene	16.30	260053	0.921	PPB
52)	TM Benzene	16.99	591709	0.912	PPB
54)	tm Trichloroethene	19.25	349753	0.922	PPB
56)	tm cis-1,3-Dichloropropene	21.02	134390	0.850	PPB
57)	TM trans-1,3-Dichloropropene	21.85	164664	0.798	PPB
58)	TM Toluene	22.32	599823	0.953	PPB m
59)	tm Tetrachloroethene	23.31	311343	1.046	PPB
60)	TM Chlorobenzene	24.14	591458	0.913	PPB
61)	TM Ethylbenzene	24.41	516207	0.918	PPB
62)	TM m,p-Xylene	24.64	1180857	1.851	PPB
63)	tm Styrene	24.97	628389	0.907	PPB
64)	TM o-Xylene	25.04	505537	0.918	PPB
65)	tm Isopropylbenzene	25.42	422216	0.924	PPB
66)	TM Bromobenzene	25.62	609372	0.909	PPB
67)	tm n-Propylbenzene	25.86	465387	0.893	PPB
68)	tm 2-Chlorotoluene	25.93	577857	0.973	PPB
69)	tm 4-Chlorotoluene	26.00	594486	0.953	PPB
0)	tm 1,3,5-Trimethylbenzene	26.15	708921	0.900	PPB

(f)=RT Delta > 1/2 Window

NP7988.D VRX1105.M

Wed Nov 06 09:34:59 1996

(m)=manual int.

RPT1

Page 2

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\NP7988.D
Signal #2 : C:\HPCHEM\5\DATA\NP7988.D\CONFIRM.D
Acq On : 05 Nov 96 11:49 AM
Sample : 1ppb STD.
Misc : GNP256,W,,,,1
Quant Time: Nov 6 8:22 1996

Vial: 1
Operator: RMS
Inst : GC-NP
Multiplr: 1.00

Method : C:\HPCHEM\5\METHODS\VRX1105.M
Title : 601/602 BY GC-PID AND GC-ELCD
Last Update : Wed Nov 06 08:32:05 1996
Response via : Multiple Level Calibration

Volume Inj. : 5.0 ML PURGE VOLUME
Signal #1 Phase : (ELCD) J+W DBVRX Signal #2 Phase: (PID) J+W DBVRX 75mX
Signal #1 Info : Signal #2 Info :

	Compound	R.T.	Response	Conc	Units
71)	TM tert-Butylbenzene	26.39	412193	0.952	PPB
72)	tm 1,2,4-Trimethylbenzene	26.50	535586	0.906	PPB
73)	tm sec-Butylbenzene	26.59	374433	0.878	PPB
74)	TM 1,3-Dichlorobenzene	26.64	548384	0.910	PPB
75)	TM 1,4-Dichlorobenzene	26.71	481916	0.887	PPB
76)	tm p-Isopropyltoluene	26.77	434495	0.910	PPB
77)	TM 1,2-Dichlorobenzene	27.02	411210	0.896	PPB
78)	tm n-Butylbenzene	27.14	455048	0.926	PPB
79)	tm 1,2,4-Trichlorobenzene	28.90	287779	0.794	PPB
80)	tm Naphthalene	29.20	248716	0.641	PPB
81)	tm Hexachlorobutadiene	29.28	244689	0.844	PPB
82)	tm 1,2,3-Trichlorobenzene	29.45	268916	0.765	PPB
83)	TM Methyl tert butyl ether	9.40	145820	0.822	PPB m
84)	tm 2-Chloroethylvinyl ether	20.74	89895	1.240	PPB m

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\NP7989.D
Signal #2 : C:\HPCHEM\5\DATA\NP7989.D\CONFIRM.D
Acq On : 05 Nov 96 12:30 PM
Sample : 2ppb STD.
Misc : GNP256,W,,,,,1
Quant Time: Nov 5 15:59 1996

Vial: 1

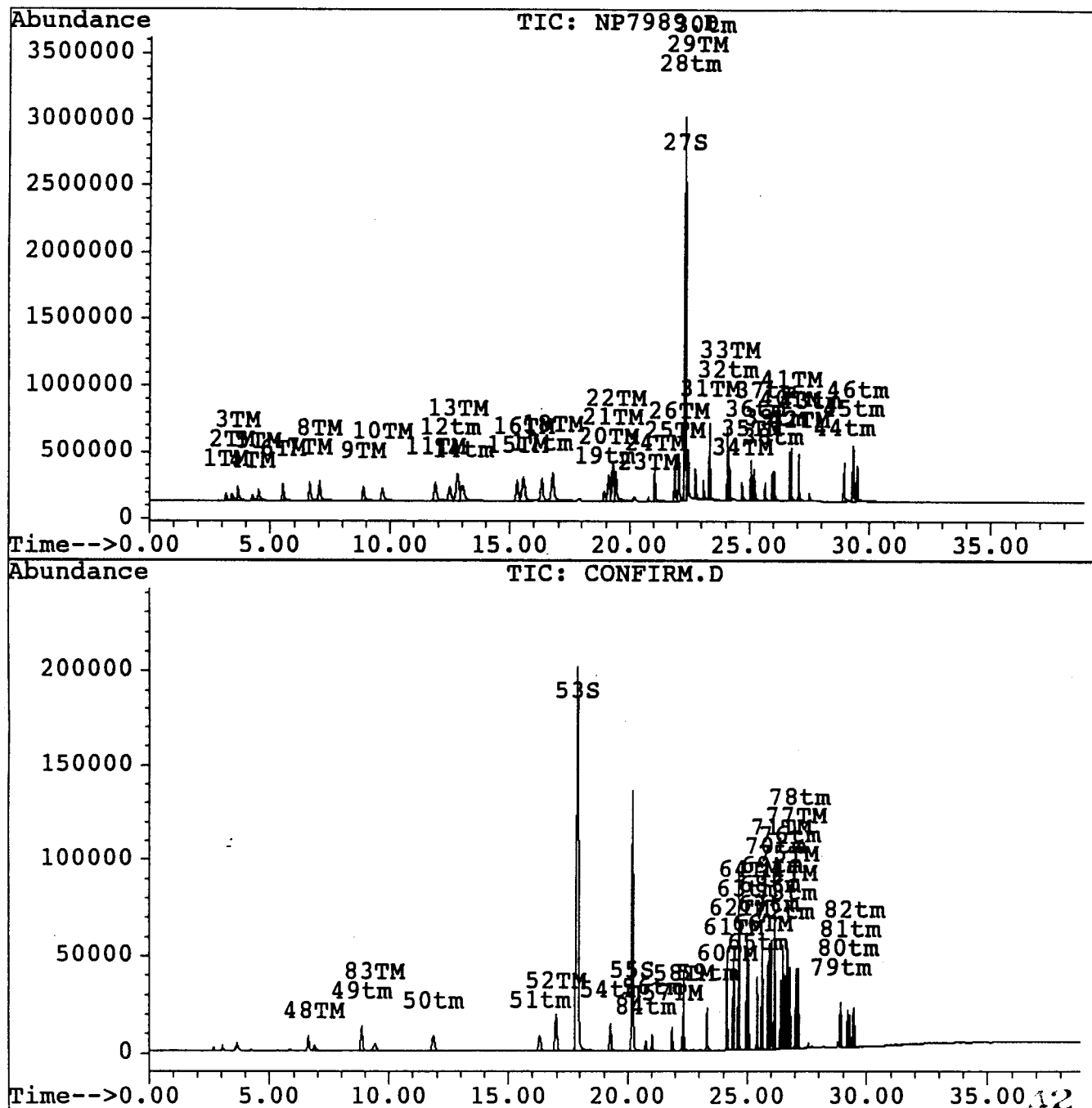
Operator: RMS
Inst : GC-NP
Multiplr: 1.00

Method : C:\HPCHEM\5\METHODS\VRX1105.M
Title : 601/602 BY GC-PID AND GC-ELCD
Last Update : Wed Nov 06 08:32:05 1996
Response via : Multiple Level Calibration

Volume Inj. : 5.0 ML PURGE VOLUME

Signal #1 Phase : (ELCD) J+W DBVRX Signal #2 Phase: (PID) J+W DBVRX 75mX

Signal #1 Info : Signal #2 Info :



Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\NP7989.D
Signal #2 : C:\HPCHEM\5\DATA\NP7989.D\CONFIRM.D
Acq On : 05 Nov 96 12:30 PM
Sample : 2ppb STD.
Misc : GNP256,W,,,,,1
Quant Time: Nov 5 15:59 1996

Vial: 1
Operator: RMS
Inst : GC-NP
Multiplr: 1.00

Method : C:\HPCHEM\5\METHODS\VRX1105.M
Title : 601/602 BY GC-PID AND GC-ELCD
Last Update : Wed Nov 06 08:32:05 1996
Response via : Multiple Level Calibration

Volume Inj. : 5.0 ML PURGE VOLUME
Signal #1 Phase : (ELCD) J+W DBVRX Signal #2 Phase: (PID) J+W DBVRX 75mX
Signal #1 Info : Signal #2 Info :

Compound	R.T.	Response	Conc	Units

System Monitoring Compounds				
27) S 2-Bromo-1-Chloropropane	22.29	99966985	25.611	PPB
		Recovery =	85.37%	
53) S Fluorobenzene	17.86	12270056	29.191	PPB
		Recovery =	97.30%	
55) S aaa-Trifluorotoluene #2	20.18	6012727	29.117	PPB
		Recovery =	97.06%	
Target Compounds				
1) TM Dichlorodifluoromethane	3.15	3239625	1.985	PPB
2) TM Chloromethane	3.41	3617044	2.970	PPB
3) TM Vinyl Chloride	3.66	6464831	2.098	PPB
4) TM Bromomethane	4.27	2316109	1.587	PPB
5) TM Chloroethane	4.52	5296127	2.236	PPB
6) TM Trichlorofluoromethane	5.53	7698768	1.982	PPB
7) TM 1,1-Dichloroethene	6.64	8192377	1.803	PPB
8) TM Methylene Chloride	7.05	11182163	2.019	PPB
9) TM trans-1,2-Dichloroethene	8.87	8483794	1.841	PPB
10) TM 1,1-Dichloroethane	9.67	10594271	1.862	PPB
11) TM cis-1,2-Dichloroethene	11.88	12760562	2.432	PPB
12) tm Bromochloromethane	12.49	9116043	2.647	PPB
13) TM Chloroform	12.82	17490539	2.666	PPB
14) tm 2,2-Dichloropropane	13.02	15625922	2.486	PPB m
15) TM 1,2-Dichloroethane	15.30	10429134	1.725	PPB
16) TM 1,1,1-Trichloroethane	15.56	17447412	1.841	PPB
17) tm 1,1-Dichloropropene	16.32	12967476	1.743	PPB
18) TM Carbon Tetrachloride	16.77	19083344	1.654	PPB m
19) tm Dibromomethane	18.92	4949645	1.492	PPB m
20) TM 1,2-Dichloropropane	19.11	12418724	1.818	PPB
21) TM Trichloroethene	19.27	15914406	1.799	PPB
22) TM Bromodichloromethane	19.40	15321576	1.783	PPB m
23) TM 2-Chloroethylvinyl ether	20.77	1663663	2.204	PPB m
24) TM cis-1,3-Dichloropropene	21.04	11959540	1.865	PPB
25) TM trans-1,3-Dichloropropene	21.87	8695956	1.706	PPB
26) TM 1,1,2-Trichloroethane	22.05	11925171	1.768	PPB
28) tm 1,3-Dichloropropane	22.44	10360193	1.776	PPB m
29) TM Dibromochloromethane	22.74	6944360	1.546	PPB m

(f)=RT Delta > 1/2 Window

(m)=manual int

NP7989.D VRX1105.M

Wed Nov 06 09:36:15 1996

RPT1

Page 1

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\NP7989.D
 Signal #2 : C:\HPCHEM\5\DATA\NP7989.D\CONFIRM.D
 Acq On : 05 Nov 96 12:30 PM
 Sample : 2ppb STD.
 Misc : GNP256,W,,,,,1
 Quant Time: Nov 5 15:59 1996

Vial: 1

Operator: RMS
 Inst : GC-NP
 Multiplr: 1.00

Method : C:\HPCHEM\5\METHODS\VRX1105.M
 Title : 601/602 BY GC-PID AND GC-ELCD
 Last Update : Wed Nov 06 08:32:05 1996
 Response via : Multiple Level Calibration

Volume Inj. : 5.0 ML PURGE VOLUME

Signal #1 Phase : (ELCD) J+W DBVRX Signal #2 Phase: (PID) J+W DBVRX 75mX

Signal #1 Info : Signal #2 Info :

	Compound	R.T.	Response	Conc	Units
30)	tm 1,2-Dibromoethane	23.07	4629029	1.544	PPB
31)	TM Tetrachloroethene	23.33	15821816	1.831	PPB
32)	tm 1,1,1,2-Tetrachloroethane	24.08	13903676	1.731	PPB
33)	TM Chlorobenzene	24.16	6789188	1.834	PPB
34)	TM Bromoform	24.69	3750678	1.451	PPB
35)	TM 1,1,2,2-Tetrachloroethane	25.06	7134704	1.674	PPB
36)	tm 1,2,3-Trichloropropane	25.20	6141988	1.688	PPB
37)	tm Bromobenzene	25.65	3730013	1.649	PPB
38)	tm 2-Chlorotoluene	25.95	4686453	1.724	PPB
39)	tm 4-Chlorotoluene	26.02	5399390	1.778	PPB
40)	TM 1,3-Dichlorobenzene	26.66	7618202	1.802	PPB
41)	TM 1,4-Dichlorobenzene	26.72	9869721	1.880	PPB
42)	TM 1,2-Dichlorobenzene	27.04	8312557	1.849	PPB m
43)	tm 1,2-Dibromomo-3-chloroprop	27.48	1592136	1.391	PPB m
44)	tm 1,2,4-Trichlorobenzene	28.92	8234192	1.610	PPB
45)	tm Hexachlorobutadiene	29.30	13808555	1.733	PPB
46)	tm 1,2,3-Trichlorobenzene	29.47	10144815	1.668	PPB m
48)	TM tert-Butyl Alcohol	6.88	185167	178.309	PPB m
49)	tm trans-1,2-Dichloroethene	8.85	695848	1.779	PPB
50)	tm cis-1,2-Dichloroethene	11.86	573278	2.432	PPB
51)	tm 1,1-Dichloropropene	16.30	508306	1.800	PPB
52)	TM Benzene	16.99	1167834	1.799	PPB
54)	tm Trichloroethene	19.26	684166	1.804	PPB
56)	tm cis-1,3-Dichloropropene	21.02	268912	1.700	PPB
57)	TM trans-1,3-Dichloropropene	21.85	338193	1.639	PPB
58)	TM Toluene	22.32	1145094	1.819	PPB m
59)	tm Tetrachloroethene	23.31	595206	1.999	PPB
60)	TM Chlorobenzene	24.14	1159275	1.790	PPB
61)	TM Ethylbenzene	24.41	1014061	1.803	PPB
62)	TM m,p-Xylene	24.64	2327488	3.649	PPB
63)	tm Styrene	24.98	1232196	1.778	PPB
64)	TM o-Xylene	25.05	996043	1.809	PPB
65)	tm Isopropylbenzene	25.43	824839	1.804	PPB
66)	TM Bromobenzene	25.62	1206861	1.800	PPB
67)	tm n-Propylbenzene	25.86	927185	1.778	PPB
68)	tm 2-Chlorotoluene	25.93	1120677	1.887	PPB
69)	tm 4-Chlorotoluene	26.00	1143736	1.834	PPB
0)	tm 1,3,5-Trimethylbenzene	26.15	1404012	1.782	PPB

(f)=RT Delta > 1/2 Window

NP7989.D VRX1105.M

Wed Nov 06 09:36:24 1996

(m)=manual int.

RPT1

Page 2

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\NP7989.D
Signal #2 : C:\HPCHEM\5\DATA\NP7989.D\CONFIRM.D
Acq On : 05 Nov 96 12:30 PM
Sample : 2ppb STD.
Misc : GNP256,W,,,,1
Quant Time: Nov 5 15:59 1996

Vial: 1

Operator: RMS
Inst : GC-NP
Multiplr: 1.00

Method : C:\HPCHEM\5\METHODS\VRX1105.M
Title : 601/602 BY GC-PID AND GC-ELCD
Last Update : Wed Nov 06 08:32:05 1996
Response via : Multiple Level Calibration

Volume Inj. : 5.0 ML PURGE VOLUME

Signal #1 Phase : (ELCD) J+W DBVRX Signal #2 Phase: (PID) J+W DBVRX 75mX
Signal #1 Info : Signal #2 Info :

	Compound	R.T.	Response	Conc	Units
71)	TM tert-Butylbenzene	26.39	785599	1.814	PPB
72)	tm 1,2,4-Trimethylbenzene	26.50	1047463	1.771	PPB
73)	tm sec-Butylbenzene	26.59	742272	1.741	PPB
74)	TM 1,3-Dichlorobenzene	26.64	1088341	1.807	PPB
75)	TM 1,4-Dichlorobenzene	26.71	958271	1.764	PPB
76)	tm p-Isopropyltoluene	26.77	850167	1.781	PPB
77)	TM 1,2-Dichlorobenzene	27.02	807613	1.761	PPB
78)	tm n-Butylbenzene	27.14	854588	1.739	PPB
79)	tm 1,2,4-Trichlorobenzene	28.90	578351	1.595	PPB
80)	tm Naphthalene	29.20	491657	1.267	PPB
81)	tm Hexachlorobutadiene	29.28	483093	1.667	PPB
82)	tm 1,2,3-Trichlorobenzene	29.45	542803	1.544	PPB
83)	TM Methyl tert butyl ether	9.40	278956	1.572	PPB
84)	tm 2-Chloroethylvinyl ether	20.74	185961	2.564	PPB m

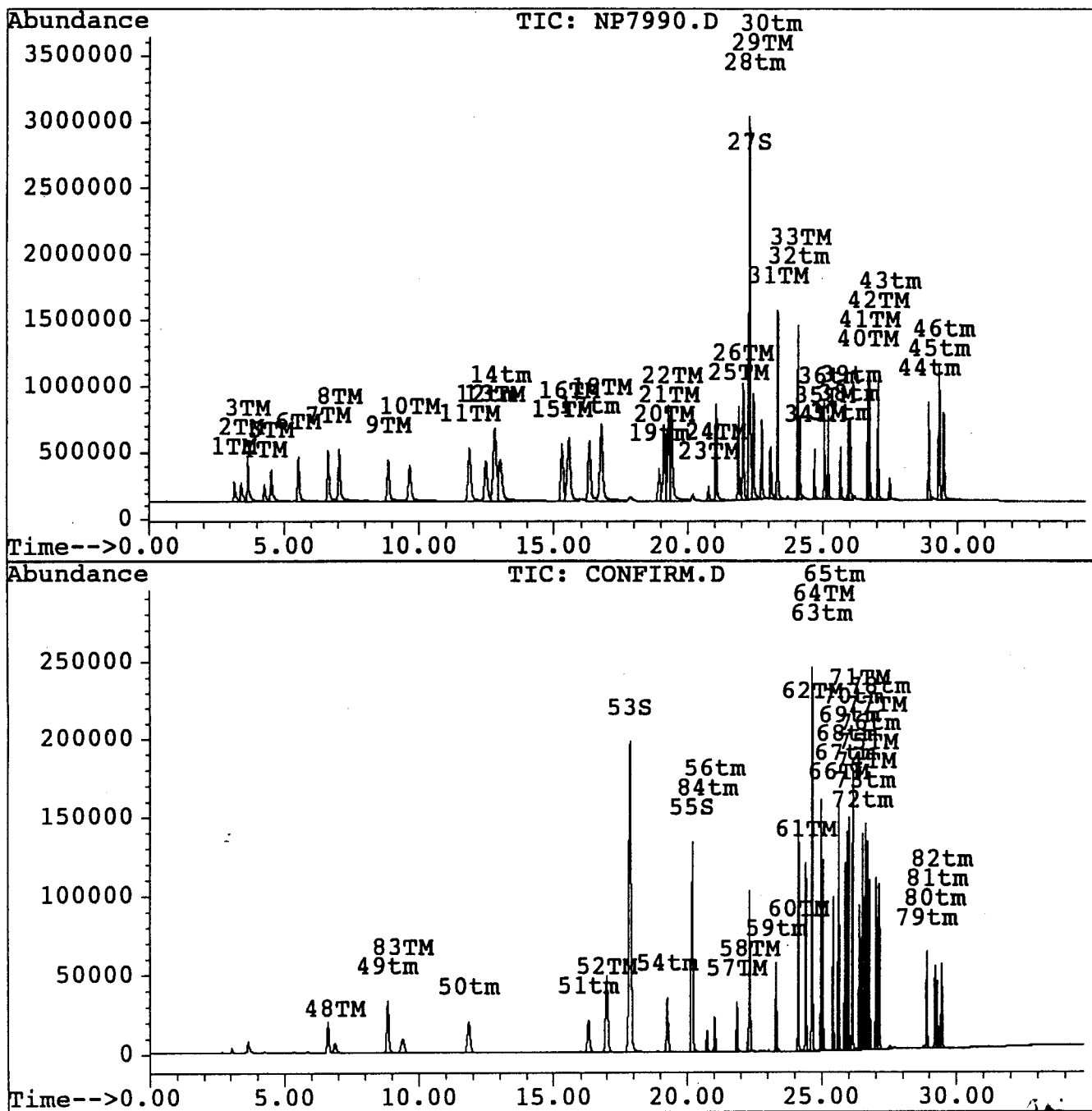
Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\NP7990.D
 Signal #2 : C:\HPCHEM\5\DATA\NP7990.D\CONFIRM.D
 Acq On : 05 Nov 96 01:18 PM
 Sample : 5ppb STD.
 Misc : GNP256,W,,,,,1
 Quant Time: Nov 6 8:28 1996

Vial: 1
 Operator: RMS
 Inst : GC-NP
 Multiplr: 1.00

Method : C:\HPCHEM\5\METHODS\VRX1105.M
 Title : 601/602 BY GC-PID AND GC-ELCD
 Last Update : Wed Nov 06 08:32:05 1996
 Response via : Multiple Level Calibration

Volume Inj. : 5.0 ML PURGE VOLUME
 Signal #1 Phase : (ELCD) J+W DBVRX Signal #2 Phase: (PID) J+W DBVRX 75mX
 Signal #1 Info : Signal #2 Info :



Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\NP7990.D
Signal #2 : C:\HPCHEM\5\DATA\NP7990.D\CONFIRM.D
Acq On : 05 Nov 96 01:18 PM
Sample : 5ppb STD.
Misc : GNP256,W,,,,,1
Quant Time: Nov 6 8:28 1996

Vial: 1
Operator: RMS
Inst : GC-NP
Multiplr: 1.00

Method : C:\HPCHEM\5\METHODS\VRX1105.M
Title : 601/602 BY GC-PID AND GC-ELCD
Last Update : Wed Nov 06 08:32:05 1996
Response via : Multiple Level Calibration

Volume Inj. : 5.0 ML PURGE VOLUME
Signal #1 Phase : (ELCD) J+W DBVRX Signal #2 Phase: (PID) J+W DBVRX 75mX
Signal #1 Info : Signal #2 Info :

Compound		R.T.	Response	Conc Units

System Monitoring Compounds				
27) S	2-Bromo-1-Chloropropane	22.29	99573757	25.510 PPB
			Recovery =	85.03%
53) S	Fluorobenzene	17.86	11938492	28.402 PPB
			Recovery =	94.67%
55) S	aaa-Trifluorotoluene #2	20.18	5879438	28.472 PPB
			Recovery =	94.91%
Target Compounds				
1) TM	Dichlorodifluoromethane	3.15	7908587	4.846 PPB
2) TM	Chloromethane	3.40	8701079	7.145 PPB
3) TM	Vinyl Chloride	3.65	15027650	4.877 PPB
4) TM	Bromomethane	4.26	6073310	4.162 PPB
5) TM	Chloroethane	4.51	13398146	5.657 PPB
6) TM	Trichlorofluoromethane	5.52	18470223	4.755 PPB
7) TM	1,1-Dichloroethene	6.63	20418274	4.493 PPB
8) TM	Methylene Chloride	7.04	25709927	4.643 PPB
9) TM	trans-1,2-Dichloroethene	8.86	20555046	4.461 PPB
10) TM	1,1-Dichloroethane	9.66	25364126	4.457 PPB
11) TM	cis-1,2-Dichloroethene	11.88	32947366	6.281 PPB
12) tm	Bromochloromethane	12.49	23827736	6.919 PPB
13) TM	Chloroform	12.81	45549954	6.944 PPB
14) tm	2,2-Dichloropropane	13.02	39298876	6.252 PPB
15) TM	1,2-Dichloroethane	15.30	28148587	4.655 PPB
16) TM	1,1,1-Trichloroethane	15.56	42385660	4.473 PPB
17) tm	1,1-Dichloropropene	16.32	32868786	4.419 PPB
18) TM	Carbon Tetrachloride	16.77	51743245	4.484 PPB
19) tm	Dibromomethane	18.92	13778479	4.154 PPB
20) TM	1,2-Dichloropropane	19.11	32109311	4.702 PPB
21) TM	Trichloroethene	19.28	39395383	4.455 PPB
22) TM	Bromodichloromethane	19.40	38658363	4.500 PPB
23) TM	2-Chloroethylvinyl ether	20.76	4413548	5.846 PPB
24) TM	cis-1,3-Dichloropropene	21.04	28312348	4.415 PPB
25) TM	trans-1,3-Dichloropropene	21.87	21980932	4.312 PPB
26) TM	1,1,2-Trichloroethane	22.05	28867617	4.279 PPB
28) tm	1,3-Dichloropropane	22.44	27144281	4.654 PPB
29) TM	Dibromochloromethane	22.74	19066298	4.245 PPB

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\NP7990.D
 Signal #2 : C:\HPCHEM\5\DATA\NP7990.D\CONFIRM.D
 Acq On : 05 Nov 96 01:18 PM
 Sample : 5ppb STD.
 Misc : GNP256,W,,,,1
 Quant Time: Nov 6 8:28 1996

Vial: 1

Operator: RMS
 Inst : GC-NP
 Multiplr: 1.00

Method : C:\HPCHEM\5\METHODS\VRX1105.M
 Title : 601/602 BY GC-PID AND GC-ELCD
 Last Update : Wed Nov 06 08:32:05 1996
 Response via : Multiple Level Calibration

Volume Inj. : 5.0 ML PURGE VOLUME

Signal #1 Phase : (ELCD) J+W DBVRX Signal #2 Phase: (PID) J+W DBVRX 75mX
 Signal #1 Info : Signal #2 Info :

	Compound	R.T.	Response	Conc	Units
30)	tm 1,2-Dibromoethane	23.07	12490879	4.165	PPB
31)	TM Tetrachloroethene	23.33	38517843	4.458	PPB
32)	tm 1,1,1,2-Tetrachloroethane	24.08	33530666	4.174	PPB
33)	TM Chlorobenzene	24.16	16428308	4.439	PPB
34)	TM Bromoform	24.69	10482712	4.054	PPB
35)	TM 1,1,2,2-Tetrachloroethane	25.06	17782811	4.172	PPB
36)	tm 1,2,3-Trichloropropane	25.20	15752772	4.329	PPB
37)	tm Bromobenzene	25.65	10294741	4.552	PPB
38)	tm 2-Chlorotoluene	25.95	12715257	4.678	PPB
39)	tm 4-Chlorotoluene	26.02	14031126	4.620	PPB
40)	TM 1,3-Dichlorobenzene	26.66	19641679	4.646	PPB
41)	TM 1,4-Dichlorobenzene	26.73	22935774	4.369	PPB
42)	TM 1,2-Dichlorobenzene	27.04	21053555	4.683	PPB
43)	tm 1,2-Dibromomo-3-chloroprop	27.48	4365320	3.814	PPB m
44)	tm 1,2,4-Trichlorobenzene	28.92	20678260	4.044	PPB
45)	tm Hexachlorobutadiene	29.30	33099081	4.155	PPB
46)	tm 1,2,3-Trichlorobenzene	29.47	23260189	3.824	PPB
48)	TM tert-Butyl Alcohol	6.88	467573	450.255	PPB m
49)	tm trans-1,2-Dichloroethene	8.84	1801064	4.605	PPB
50)	tm cis-1,2-Dichloroethene	11.85	1506664	6.392	PPB
51)	tm 1,1-Dichloropropene	16.30	1297868	4.596	PPB
52)	TM Benzene	16.99	2976441	4.586	PPB
54)	tm Trichloroethene	19.25	1745055	4.600	PPB
56)	tm cis-1,3-Dichloropropene	21.02	698770	4.418	PPB
57)	TM trans-1,3-Dichloropropene	21.85	889398	4.310	PPB
58)	TM Toluene	22.32	2850771	4.529	PPB m
59)	tm Tetrachloroethene	23.31	1442182	4.845	PPB
60)	TM Chlorobenzene	24.14	3018301	4.662	PPB
61)	TM Ethylbenzene	24.41	2632944	4.681	PPB
62)	TM m,p-Xylene	24.64	6013666	9.428	PPB
63)	tm Styrene	24.98	3232934	4.664	PPB
64)	TM o-Xylene	25.05	2591815	4.707	PPB
65)	tm Isopropylbenzene	25.43	2129337	4.658	PPB
66)	TM Bromobenzene	25.62	3137583	4.679	PPB
67)	tm n-Propylbenzene	25.86	2401809	4.606	PPB
68)	tm 2-Chlorotoluene	25.93	2821296	4.750	PPB
69)	tm 4-Chlorotoluene	26.00	2910524	4.666	PPB
0)	tm 1,3,5-Trimethylbenzene	26.15	3606115	4.576	PPB

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\NP7990.D
Signal #2 : C:\HPCHEM\5\DATA\NP7990.D\CONFIRM.D
Acq On : 05 Nov 96 01:18 PM
Sample : 5ppb STD.
Misc : GNP256,W,,,,,1
Quant Time: Nov 6 8:28 1996

Vial: 1
Operator: RMS
Inst : GC-NP
Multiplr: 1.00

Method : C:\HPCHEM\5\METHODS\VRX1105.M
Title : 601/602 BY GC-PID AND GC-ELCD
Last Update : Wed Nov 06 08:32:05 1996
Response via : Multiple Level Calibration

Volume Inj. : 5.0 ML PURGE VOLUME

Signal #1 Phase : (ELCD) J+W DBVRX Signal #2 Phase: (PID) J+W DBVRX 75mX
Signal #1 Info : Signal #2 Info :

	Compound	R.T.	Response	Conc Units
71)	TM tert-Butylbenzene	26.39	1989579	4.593 PPB
72)	tm 1,2,4-Trimethylbenzene	26.50	2677873	4.528 PPB
73)	tm sec-Butylbenzene	26.59	1909408	4.478 PPB
74)	TM 1,3-Dichlorobenzene	26.64	2841963	4.718 PPB
75)	TM 1,4-Dichlorobenzene	26.71	2504259	4.609 PPB
76)	tm p-Isopropyltoluene	26.77	2171678	4.549 PPB
77)	TM 1,2-Dichlorobenzene	27.02	2120416	4.623 PPB
78)	tm n-Butylbenzene	27.14	2144290	4.363 PPB
79)	tm 1,2,4-Trichlorobenzene	28.90	1546168	4.265 PPB
80)	tm Naphthalene	29.20	1326963	3.419 PPB
81)	tm Hexachlorobutadiene	29.27	1267956	4.376 PPB
82)	tm 1,2,3-Trichlorobenzene	29.45	1447523	4.117 PPB
83)	TM Methyl tert butyl ether	9.40	735707	4.145 PPB
84)	tm 2-Chloroethylvinyl ether	20.74	454489	6.267 PPB

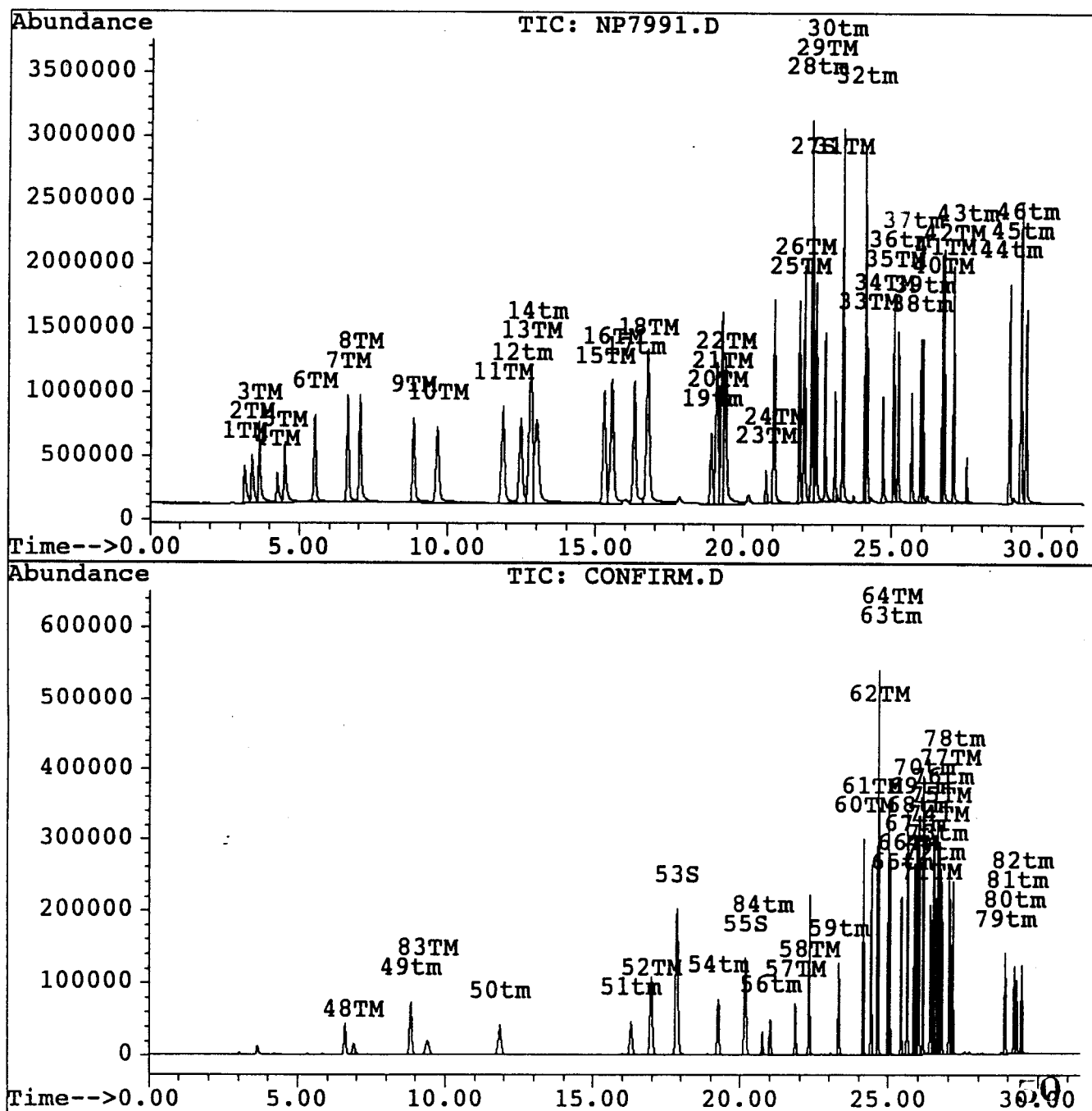
Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\NP7991.D
 Signal #2 : C:\HPCHEM\5\DATA\NP7991.D\CONFIRM.D
 Acq On : 05 Nov 96 02:19 PM
 Sample : 10ppb STD.
 Misc : GNP256,W,,,,,1
 Quant Time: Nov 6 8:30 1996

Vial: 1
 Operator: RMS
 Inst : GC-NP
 Multiplr: 1.00

Method : C:\HPCHEM\5\METHODS\VRX1105.M
 Title : 601/602 BY GC-PID AND GC-ELCD
 Last Update : Wed Nov 06 08:32:05 1996
 Response via : Multiple Level Calibration

Volume Inj. : 5.0 ML PURGE VOLUME
 Signal #1 Phase : (ELCD) J+W DBVRX Signal #2 Phase: (PID) J+W DBVRX 75mX
 Signal #1 Info : Signal #2 Info :



Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\NP7991.D
Signal #2 : C:\HPCHEM\5\DATA\NP7991.D\CONFIRM.D
Acq On : 05 Nov 96 02:19 PM
Sample : 10ppb STD.
Misc : GNP256,W,,,,1
Quant Time: Nov 6 8:30 1996

Vial: 1
Operator: RMS
Inst : GC-NP
Multiplr: 1.00

Method : C:\HPCHEM\5\METHODS\VRX1105.M
Title : 601/602 BY GC-PID AND GC-ELCD
Last Update : Wed Nov 06 08:32:05 1996
Response via : Multiple Level Calibration

Volume Inj. : 5.0 ML PURGE VOLUME
Signal #1 Phase : (ELCD) J+W DBVRX Signal #2 Phase: (PID) J+W DBVRX 75mX
Signal #1 Info : Signal #2 Info :

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
27) S 2-Bromo-1-Chloropropane	22.29	101555084	26.018 PPB
		Recovery =	86.73%
53) S Fluorobenzene	17.86	12157536	28.923 PPB
		Recovery =	96.41%
55) S aaa-Trifluorotoluene #2	20.18	5872253	28.437 PPB
		Recovery =	94.79%

Target Compounds			
1) TM Dichlorodifluoromethane	3.16	17022458	10.430 PPB
2) TM Chloromethane	3.40	21139839	17.360 PPB m
3) TM Vinyl Chloride	3.65	28099598	9.119 PPB
4) TM Bromomethane	4.26	12216207	8.372 PPB
5) TM Chloroethane	4.51	26282777	11.098 PPB
6) TM Trichlorofluoromethane	5.52	35548803	9.151 PPB
7) TM 1,1-Dichloroethene	6.63	43490756	9.570 PPB
8) TM Methylene Chloride	7.04	49731991	8.981 PPB
9) TM trans-1,2-Dichloroethene	8.86	41525163	9.012 PPB
10) TM 1,1-Dichloroethane	9.66	50510133	8.875 PPB
11) TM cis-1,2-Dichloroethene	11.88	58206140	11.095 PPB
12) tm Bromochloromethane	12.48	51250378	14.881 PPB
13) TM Chloroform	12.81	88826494	13.542 PPB
14) tm 2,2-Dichloropropane	13.01	73589345	11.707 PPB
15) TM 1,2-Dichloroethane	15.29	57759616	9.552 PPB
16) TM 1,1,1-Trichloroethane	15.55	84308485	8.897 PPB
17) tm 1,1-Dichloropropene	16.32	67956571	9.136 PPB
18) TM Carbon Tetrachloride	16.77	101651967	8.809 PPB
19) tm Dibromomethane	18.92	30651535	9.242 PPB
20) TM 1,2-Dichloropropane	19.11	66658008	9.761 PPB
21) TM Trichloroethene	19.27	80010472	9.047 PPB
22) TM Bromodichloromethane	19.40	70695911	8.229 PPB
23) TM 2-Chloroethylvinyl ether	20.76	9135563	12.101 PPB m
24) TM cis-1,3-Dichloropropene	21.03	57163074	8.915 PPB m
25) TM trans-1,3-Dichloropropene	21.87	47910715	9.398 PPB
26) TM 1,1,2-Trichloroethane	22.05	60426800	8.957 PPB
8) tm 1,3-Dichloropropane	22.44	53248753	9.130 PPB
9) TM Dibromochloromethane	22.74	40998489	9.129 PPB

(f)=RT Delta > 1/2 Window

NP7991.D VRX1105.M

Wed Nov 06 09:24:21 1996

(m)=manual int.

RPT1

Page 1

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\NP7991.D
Signal #2 : C:\HPCHEM\5\DATA\NP7991.D\CONFIRM.D
Acq On : 05 Nov 96 02:19 PM
Sample : 10ppb STD.
Misc : GNP256,W,,,,,1
Quant Time: Nov 6 8:30 1996

Vial: 1
Operator: RMS
Inst : GC-NP
Multiplr: 1.00

Method : C:\HPCHEM\5\METHODS\VRX1105.M
Title : 601/602 BY GC-PID AND GC-ELCD
Last Update : Wed Nov 06 08:32:05 1996
Response via : Multiple Level Calibration

Volume Inj. : 5.0 ML PURGE VOLUME

Signal #1 Phase : (ELCD) J+W DBVRX Signal #2 Phase: (PID) J+W DBVRX 75mX
Signal #1 Info : Signal #2 Info :

	Compound	R.T.	Response	Conc	Units
30)	tm 1,2-Dibromoethane	23.07	24460160	8.157	PPB m
31)	TM Tetrachloroethene	23.33	77466992	8.967	PPB
32)	tm 1,1,1,2-Tetrachloroethane	24.08	70353690	8.757	PPB
33)	TM Chlorobenzene	24.16	32948928	8.902	PPB
34)	TM Bromoform	24.69	22900905	8.857	PPB
35)	TM 1,1,2,2-Tetrachloroethane	25.06	38152915	8.951	PPB
36)	tm 1,2,3-Trichloropropane	25.20	32823421	9.021	PPB
37)	tm Bromobenzene	25.65	22499925	9.948	PPB
38)	tm 2-Chlorotoluene	25.94	27442281	10.095	PPB
39)	tm 4-Chlorotoluene	26.02	28888639	9.512	PPB
40)	TM 1,3-Dichlorobenzene	26.66	40883691	9.670	PPB
41)	TM 1,4-Dichlorobenzene	26.72	46033665	8.769	PPB
42)	TM 1,2-Dichlorobenzene	27.04	42876167	9.537	PPB
43)	tm 1,2-Dibromomo-3-chloroprop	27.48	9682401	8.460	PPB m
44)	tm 1,2,4-Trichlorobenzene	28.92	46431859	9.081	PPB
45)	tm Hexachlorobutadiene	29.30	74119756	9.304	PPB
46)	tm 1,2,3-Trichlorobenzene	29.47	48067030	7.903	PPB m
48)	TM tert-Butyl Alcohol	6.90	1006240	968.971	PPB m
49)	tm trans-1,2-Dichloroethene	8.84	4031951	10.310	PPB
50)	tm cis-1,2-Dichloroethene	11.86	2889373	12.258	PPB
51)	tm 1,1-Dichloropropene	16.30	2926802	10.363	PPB
52)	TM Benzene	16.99	6634838	10.222	PPB
54)	tm Trichloroethene	19.25	3903199	10.289	PPB
56)	tm cis-1,3-Dichloropropene	21.02	1562453	9.880	PPB
57)	TM trans-1,3-Dichloropropene	21.85	1986155	9.624	PPB
58)	TM Toluene	22.32	6289094	9.992	PPB
59)	tm Tetrachloroethene	23.31	3110501	10.449	PPB
60)	TM Chlorobenzene	24.14	6573452	10.152	PPB
61)	TM Ethylbenzene	24.41	5773052	10.264	PPB
62)	TM m,p-Xylene	24.64	13218835	20.724	PPB
63)	tm Styrene	24.97	7101108	10.244	PPB
64)	TM o-Xylene	25.04	5674173	10.304	PPB
65)	tm Isopropylbenzene	25.42	4734607	10.358	PPB
66)	TM Bromobenzene	25.62	6844019	10.207	PPB
67)	tm n-Propylbenzene	25.86	5364286	10.288	PPB
68)	tm 2-Chlorotoluene	25.92	6127606	10.317	PPB
69)	tm 4-Chlorotoluene	26.00	6389705	10.244	PPB
0)	tm 1,3,5-Trimethylbenzene	26.15	7924493	10.057	PPB

(f)=RT Delta > 1/2 Window

NP7991.D VRX1105.M

Wed Nov 06 09:24:31 1996

(m)=manual int.

RPT1

Page 2

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\NP7991.D
Signal #2 : C:\HPCHEM\5\DATA\NP7991.D\CONFIRM.D
Acq On : 05 Nov 96 02:19 PM
Sample : 10ppb STD.
Misc : GNP256,W,,,,1
Quant Time: Nov 6 8:30 1996

Vial: 1

Operator: RMS
Inst : GC-NP
Multiplr: 1.00

Method : C:\HPCHEM\5\METHODS\VRX1105.M
Title : 601/602 BY GC-PID AND GC-ELCD
Last Update : Wed Nov 06 08:32:05 1996
Response via : Multiple Level Calibration

Volume Inj. : 5.0 ML PURGE VOLUME

Signal #1 Phase : (ELCD) J+W DBVRX Signal #2 Phase: (PID) J+W DBVRX 75mX
Signal #1 Info : Signal #2 Info :

	Compound	R.T.	Response	Conc	Units
71)	TM tert-Butylbenzene	26.39	4440849	10.252	PPB
72)	tm 1,2,4-Trimethylbenzene	26.50	5890554	9.960	PPB
73)	tm sec-Butylbenzene	26.59	4298074	10.080	PPB
74)	TM 1,3-Dichlorobenzene	26.64	6255002	10.384	PPB
75)	TM 1,4-Dichlorobenzene	26.70	5525661	10.169	PPB
76)	tm p-Isopropyltoluene	26.77	4840427	10.138	PPB
77)	TM 1,2-Dichlorobenzene	27.02	4640434	10.117	PPB
78)	tm n-Butylbenzene	27.14	4874970	9.920	PPB
79)	tm 1,2,4-Trichlorobenzene	28.90	3453427	9.527	PPB
80)	tm Naphthalene	29.20	3074001	7.920	PPB
81)	tm Hexachlorobutadiene	29.28	2974019	10.263	PPB
82)	tm 1,2,3-Trichlorobenzene	29.45	3279834	9.328	PPB
83)	TM Methyl tert butyl ether	9.40	1721385	9.698	PPB
84)	tm 2-Chloroethylvinyl ether	20.74	1073137	14.798	PPB m

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\NP7992.D
Signal #2 : C:\HPCHEM\5\DATA\NP7992.D\CONFIRM.D
Acq On : 05 Nov 96 02:59 PM
Sample : 20ppb STD.
Misc : GNP256,W,,,1
Quant Time: Nov 5 15:46 1996

Vial: 1

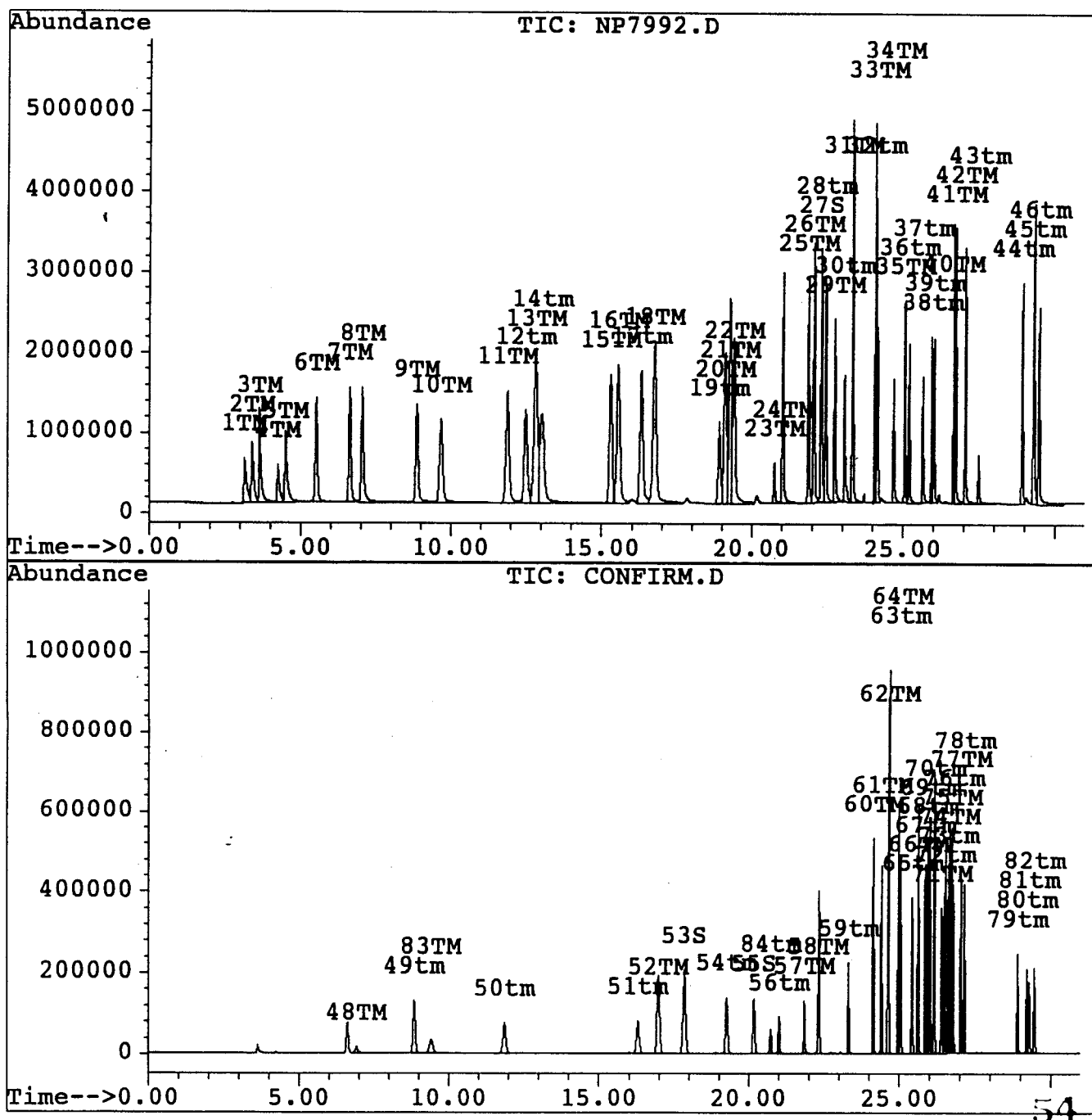
Operator: RMS
Inst : GC-NP
Multiplr: 1.00

Method : C:\HPCHEM\5\METHODS\VRX1105.M
Title : 601/602 BY GC-PID AND GC-ELCD
Last Update : Wed Nov 06 08:32:05 1996
Response via : Multiple Level Calibration

Volume Inj. : 5.0 ML PURGE VOLUME

Signal #1 Phase : (ELCD) J+W DBVRX Signal #2 Phase: (PID) J+W DBVRX 75mX

Signal #1 Info : Signal #2 Info :



Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\NP7992.D
Signal #2 : C:\HPCHEM\5\DATA\NP7992.D\CONFIRM.D
Acq On : 05 Nov 96 02:59 PM
Sample : 20ppb STD.
Misc : GNP256,W,,,,1
Quant Time: Nov 5 15:46 1996

Vial: 1

Operator: RMS
Inst : GC-NP
Multiplr: 1.00

Method : C:\HPCHEM\5\METHODS\VRX1105.M
Title : 601/602 BY GC-PID AND GC-ELCD
Last Update : Wed Nov 06 08:32:05 1996
Response via : Multiple Level Calibration

Volume Inj. : 5.0 ML PURGE VOLUME

Signal #1 Phase : (ELCD) J+W DBVRX Signal #2 Phase: (PID) J+W DBVRX 75mX
Signal #1 Info : Signal #2 Info :

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
27) S 2-Bromo-1-Chloropropane	22.28	107486418	27.537 PPB
		Recovery =	91.79%
53) S Fluorobenzene	17.85	12477615	29.684 PPB
		Recovery =	98.95%
55) S aaa-Trifluorotoluene #2	20.17	6058278	29.338 PPB
		Recovery =	97.79%
Target Compounds			
1) TM Dichlorodifluoromethane	3.16	33279563	20.392 PPB
2) TM Chloromethane	3.41	40871616	33.564 PPB
3) TM Vinyl Chloride	3.65	51836435	16.823 PPB
4) TM Bromomethane	4.25	24707058	16.932 PPB
5) TM Chloroethane	4.50	49077585	20.723 PPB
6) TM Trichlorofluoromethane	5.51	66427641	17.101 PPB
7) TM 1,1-Dichloroethene	6.63	74377257	16.366 PPB
8) TM Methylene Chloride	7.04	91060159	16.444 PPB m
9) TM trans-1,2-Dichloroethene	8.86	74697425	16.212 PPB
10) TM 1,1-Dichloroethane	9.66	90803831	15.955 PPB m
11) TM cis-1,2-Dichloroethene	11.88	106481433	20.298 PPB
12) tm Bromochloromethane	12.48	88053868	25.567 PPB
13) TM Chloroform	12.82	157523688	24.015 PPB
14) tm 2,2-Dichloropropane	13.02	133326327	21.211 PPB m
15) TM 1,2-Dichloroethane	15.29	104562221	17.292 PPB
16) TM 1,1,1-Trichloroethane	15.55	149313993	15.757 PPB m
17) tm 1,1-Dichloropropene	16.31	115997444	15.595 PPB
18) TM Carbon Tetrachloride	16.77	171288421	14.844 PPB m
19) tm Dibromomethane	18.92	55718740	16.800 PPB
20) TM 1,2-Dichloropropane	19.11	115431854	16.903 PPB
21) TM Trichloroethene	19.27	137636898	15.563 PPB
22) TM Bromodichloromethane	19.40	122496681	14.259 PPB
23) TM 2-Chloroethylvinyl ether	20.76	18572048	24.600 PPB
24) TM cis-1,3-Dichloropropene	21.03	102466615	15.980 PPB
25) TM trans-1,3-Dichloropropene	21.87	83075542	16.296 PPB
26) TM 1,1,2-Trichloroethane	22.05	103054732	15.276 PPB
28) tm 1,3-Dichloropropane	22.44	84645787	14.514 PPB
9) TM Dibromochloromethane	22.74	69944254	15.574 PPB

(f)=RT Delta > 1/2 Window

NP7992.D VRX1105.M

Wed Nov 06 09:25:46 1996

(m)=manual int.

RPT1

Page 1

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\NP7992.D
Signal #2 : C:\HPCHEM\5\DATA\NP7992.D\CONFIRM.D
Acq On : 05 Nov 96 02:59 PM
Sample : 20ppb STD.
Misc : GNP256,W,,,,1
Quant Time: Nov 5 15:46 1996

Vial: 1

Operator: RMS
Inst : GC-NP
Multiplr: 1.00

Method : C:\HPCHEM\5\METHODS\VRX1105.M
Title : 601/602 BY GC-PID AND GC-ELCD
Last Update : Wed Nov 06 08:32:05 1996
Response via : Multiple Level Calibration

Volume Inj. : 5.0 ML PURGE VOLUME
Signal #1 Phase : (ELCD) J+W DBVRX Signal #2 Phase: (PID) J+W DBVRX 75mX
Signal #1 Info : Signal #2 Info :

	Compound	R.T.	Response	Conc	Units
30)	tm 1,2-Dibromoethane	23.06	48596670	16.205	PPB
31)	TM Tetrachloroethene	23.33	128451883	14.868	PPB
32)	tm 1,1,1,2-Tetrachloroethane	24.07	121412117	15.113	PPB
33)	TM Chlorobenzene	24.16	55506619	14.997	PPB
34)	TM Bromoform	24.69	41444636	16.030	PPB
35)	TM 1,1,2,2-Tetrachloroethane	25.06	59041698	13.852	PPB
36)	tm 1,2,3-Trichloropropane	25.20	52245139	14.359	PPB m
37)	tm Bromobenzene	25.64	39331839	17.390	PPB
38)	tm 2-Chlorotoluene	25.94	45773224	16.839	PPB
39)	tm 4-Chlorotoluene	26.02	47394819	15.606	PPB
40)	TM 1,3-Dichlorobenzene	26.66	70839145	16.755	PPB
41)	TM 1,4-Dichlorobenzene	26.72	78367475	14.929	PPB m
42)	TM 1,2-Dichlorobenzene	27.04	71417379	15.885	PPB
43)	tm 1,2-Dibromomo-3-chloroprop	27.48	17678054	15.446	PPB
44)	tm 1,2,4-Trichlorobenzene	28.91	74895891	14.648	PPB
45)	tm Hexachlorobutadiene	29.29	119360992	14.983	PPB
46)	tm 1,2,3-Trichlorobenzene	29.46	88975089	14.629	PPB m
48)	TM tert-Butyl Alcohol	6.92	1108773	1067.707	PPB
49)	tm trans-1,2-Dichloroethene	8.84	7297394	18.660	PPB
50)	tm cis-1,2-Dichloroethene	11.85	5456345	23.149	PPB
51)	tm 1,1-Dichloropropene	16.29	5233163	18.530	PPB
52)	TM Benzene	16.98	11993080	18.477	PPB
54)	tm Trichloroethene	19.25	7032616	18.539	PPB
56)	tm cis-1,3-Dichloropropene	21.01	2897979	18.324	PPB
57)	TM trans-1,3-Dichloropropene	21.85	3662945	17.750	PPB
58)	TM Toluene	22.32	11161526	17.732	PPB
59)	tm Tetrachloroethene	23.31	5450282	18.309	PPB
60)	TM Chlorobenzene	24.14	11774006	18.184	PPB
61)	TM Ethylbenzene	24.41	10263981	18.249	PPB
62)	TM m,p-Xylene	24.64	23468191	36.793	PPB
63)	tm Styrene	24.97	12715064	18.343	PPB
64)	TM o-Xylene	25.04	10105078	18.350	PPB
65)	tm Isopropylbenzene	25.42	8364210	18.298	PPB
66)	TM Bromobenzene	25.62	12200320	18.196	PPB
67)	tm n-Propylbenzene	25.86	9449945	18.124	PPB
68)	tm 2-Chlorotoluene	25.92	10806995	18.196	PPB
69)	tm 4-Chlorotoluene	26.00	11280101	18.084	PPB
0)	tm 1,3,5-Trimethylbenzene	26.15	14020934	17.793	PPB

(f)=RT Delta > 1/2 Window

(m)=manual int.

NP7992.D VRX1105.M

Wed Nov 06 09:25:55 1996

RPT1

Page 2

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\NP7992.D
Signal #2 : C:\HPCHEM\5\DATA\NP7992.D\CONFIRM.D
Acq On : 05 Nov 96 02:59 PM
Sample : 20ppb STD.
Misc : GNP256,W,,,,1
Quant Time: Nov 5 15:46 1996

Vial: 1
Operator: RMS
Inst : GC-NP
Multiplr: 1.00

Method : C:\HPCHEM\5\METHODS\VRX1105.M
Title : 601/602 BY GC-PID AND GC-ELCD
Last Update : Wed Nov 06 08:32:05 1996
Response via : Multiple Level Calibration

Volume Inj. : 5.0 ML PURGE VOLUME

Signal #1 Phase : (ELCD) J+W DBVRX Signal #2 Phase: (PID) J+W DBVRX 75mX
Signal #1 Info : Signal #2 Info :

	Compound	R.T.	Response	Conc	Units
71)	TM tert-Butylbenzene	26.39	7754708	17.903	PPB
72)	tm 1,2,4-Trimethylbenzene	26.50	10482483	17.725	PPB
73)	tm sec-Butylbenzene	26.59	7508866	17.610	PPB
74)	TM 1,3-Dichlorobenzene	26.64	11107483	18.440	PPB
75)	TM 1,4-Dichlorobenzene	26.70	9798058	18.032	PPB
76)	tm p-Isopropyltoluene	26.77	8440136	17.678	PPB
77)	TM 1,2-Dichlorobenzene	27.02	8204028	17.886	PPB
78)	tm n-Butylbenzene	27.14	8509945	17.316	PPB
79)	tm 1,2,4-Trichlorobenzene	28.89	6116820	16.874	PPB
80)	tm Naphthalene	29.20	5270655	13.580	PPB
81)	tm Hexachlorobutadiene	29.27	5133146	17.714	PPB
82)	tm 1,2,3-Trichlorobenzene	29.45	5725237	16.283	PPB
83)	TM Methyl tert butyl ether	9.41	3028533	17.063	PPB
84)	tm 2-Chloroethylvinyl ether	20.74	2032574	28.029	PPB m

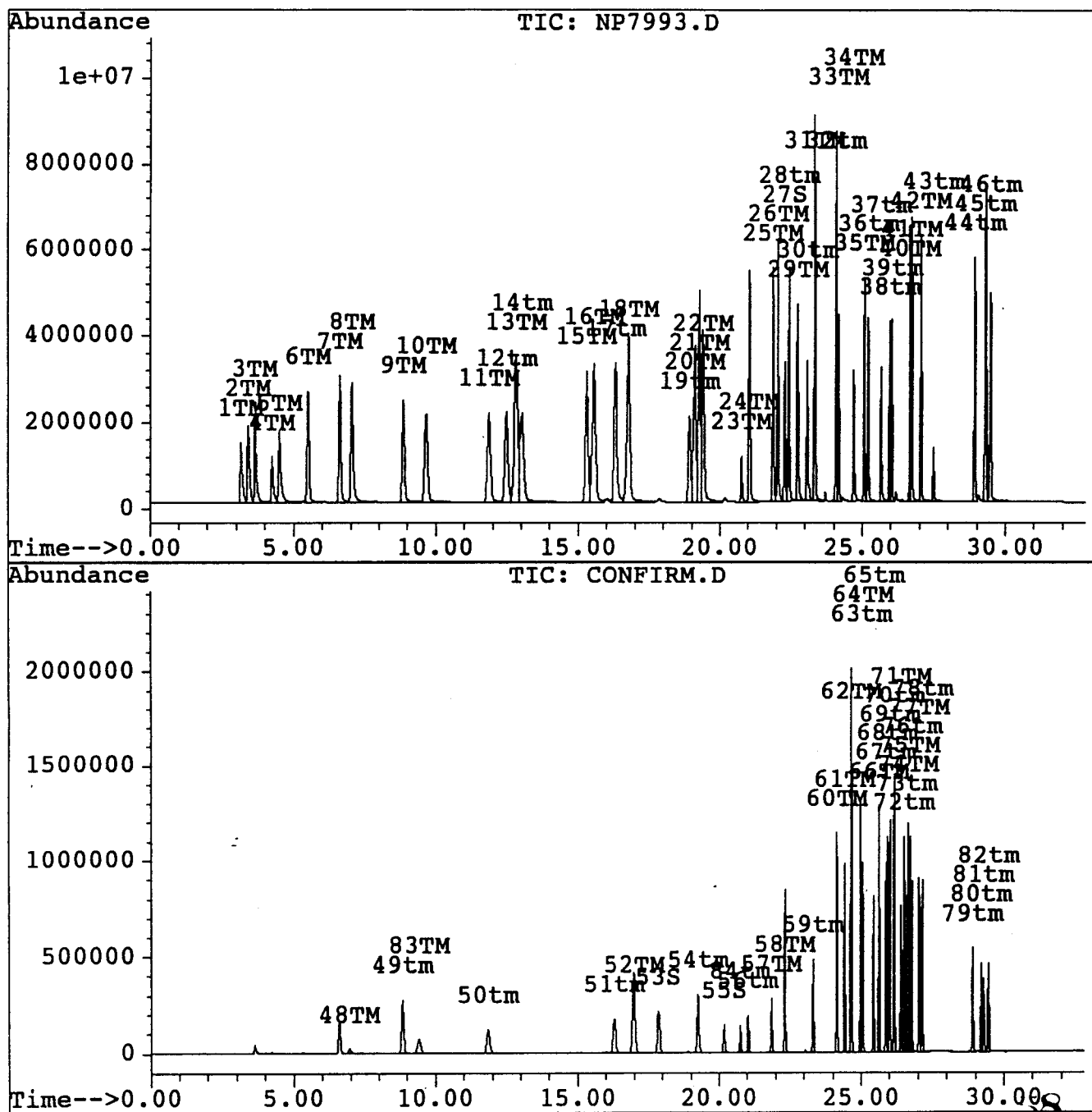
Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\NP7993.D
 Signal #2 : C:\HPCHEM\5\DATA\NP7993.D\CONFIRM.D
 Acq On : 05 Nov 96 03:40 PM
 Sample : 40ppb STD.
 Misc : GNP256,W,,,,,1
 Quant Time: Nov 6 8:25 1996

Vial: 1
 Operator: RMS
 Inst : GC-NP
 Multiplr: 1.00

Method : C:\HPCHEM\5\METHODS\VRX1105.M
 Title : 601/602 BY GC-PID AND GC-ELCD
 Last Update : Wed Nov 06 08:32:05 1996
 Response via : Multiple Level Calibration

Volume Inj. : 5.0 ML PURGE VOLUME
 Signal #1 Phase : (ELCD) J+W DBVRX Signal #2 Phase: (PID) J+W DBVRX 75mX
 Signal #1 Info : Signal #2 Info :



Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\NP7993.D
Signal #2 : C:\HPCHEM\5\DATA\NP7993.D\CONFIRM.D
Acq On : 05 Nov 96 03:40 PM
Sample : 40ppb STD.
Misc : GNP256,W,,,,1
Quant Time: Nov 6 8:25 1996

Vial: 1
Operator: RMS
Inst : GC-NP
Multiplr: 1.00

Method : C:\HPCHEM\5\METHODS\VRX1105.M
Title : 601/602 BY GC-PID AND GC-ELCD
Last Update : Wed Nov 06 08:32:05 1996
Response via : Multiple Level Calibration

Volume Inj. : 5.0 ML PURGE VOLUME
Signal #1 Phase : (ELCD) J+W DBVRX Signal #2 Phase: (PID) J+W DBVRX 75mX
Signal #1 Info : Signal #2 Info :

Compound		R.T.	Response	Conc Units

System Monitoring Compounds				
27) S	2-Bromo-1-Chloropropane	22.29	109031862	27.933 PPB
			Recovery =	93.11%
53) S	Fluorobenzene	17.86	13003862	30.936 PPB
			Recovery =	103.12%
55) S	aaa-Trifluorotoluene #2	20.18	6282841	30.425 PPB
			Recovery =	101.42%
Target Compounds				
1) TM	Dichlorodifluoromethane	3.16	72285503	44.292 PPB
2) TM	Chloromethane	3.41	93839375	77.062 PPB
3) TM	Vinyl Chloride	3.65	97016960	31.485 PPB
4) TM	Bromomethane	4.24	51492700	35.288 PPB
5) TM	Chloroethane	4.50	97529277	41.182 PPB
6) TM	Trichlorofluoromethane	5.51	132360199	34.074 PPB
7) TM	1,1-Dichloroethene	6.62	151931261	33.431 PPB
8) TM	Methylene Chloride	7.04	159616168	28.824 PPB
9) TM	trans-1,2-Dichloroethene	8.86	142765138	30.985 PPB
10) TM	1,1-Dichloroethane	9.66	160406917	28.186 PPB
11) TM	cis-1,2-Dichloroethene	11.87	167469159	31.923 PPB
12) tm	Bromochloromethane	12.48	161085413	46.773 PPB
13) TM	Chloroform	12.82	283385432	43.203 PPB
14) tm	2,2-Dichloropropane	13.02	209835897	33.383 PPB
15) TM	1,2-Dichloroethane	15.29	200844797	33.214 PPB
16) TM	1,1,1-Trichloroethane	15.55	275224926	29.044 PPB
17) tm	1,1-Dichloropropene	16.31	231237409	31.088 PPB
18) TM	Carbon Tetrachloride	16.77	318466552	27.599 PPB
19) tm	Dibromomethane	18.92	113237683	34.143 PPB
20) TM	1,2-Dichloropropane	19.11	222420444	32.569 PPB
21) TM	Trichloroethene	19.27	268520809	30.362 PPB
22) TM	Bromodichloromethane	19.40	229700625	26.738 PPB
23) TM	2-Chloroethylvinyl ether	20.76	39728193	52.622 PPB
24) TM	cis-1,3-Dichloropropene	21.03	193404524	30.162 PPB
25) TM	trans-1,3-Dichloropropene	21.87	165785581	32.521 PPB
26) TM	1,1,2-Trichloroethane	22.05	197805587	29.320 PPB
28) tm	1,3-Dichloropropane	22.44	163015319	27.952 PPB
9) TM	Dibromochloromethane	22.74	140929395	31.380 PPB

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\NP7993.D
Signal #2 : C:\HPCHEM\5\DATA\NP7993.D\CONFIRM.D
Acq On : 05 Nov 96 03:40 PM
Sample : 40ppb STD.
Misc : GNP256,W,,,,1
Quant Time: Nov 6 8:25 1996

Vial: 1

Operator: RMS
Inst : GC-NP
Multiplr: 1.00

Method : C:\HPCHEM\5\METHODS\VRX1105.M
Title : 601/602 BY GC-PID AND GC-ELCD
Last Update : Wed Nov 06 08:32:05 1996
Response via : Multiple Level Calibration

Volume Inj. : 5.0 ML PURGE VOLUME

Signal #1 Phase : (ELCD) J+W DBVRX Signal #2 Phase: (PID) J+W DBVRX 75mX
Signal #1 Info : Signal #2 Info :

	Compound	R.T.	Response	Conc Units
30)	tm 1,2-Dibromoethane	23.07	99921920	33.321 PPB
31)	TM Tetrachloroethene	23.33	249785876	28.913 PPB
32)	tm 1,1,1,2-Tetrachloroethane	24.08	231092106	28.765 PPB
33)	TM Chlorobenzene	24.16	109690913	29.637 PPB
34)	TM Bromoform	24.69	81696863	31.598 PPB
35)	TM 1,1,2,2-Tetrachloroethane	25.06	122537976	28.748 PPB
36)	tm 1,2,3-Trichloropropane	25.20	103020960	28.314 PPB
37)	tm Bromobenzene	25.64	77915329	34.450 PPB
38)	tm 2-Chlorotoluene	25.94	90494245	33.291 PPB
39)	tm 4-Chlorotoluene	26.02	93276518	30.714 PPB
40)	TM 1,3-Dichlorobenzene	26.66	134705926	31.860 PPB
41)	TM 1,4-Dichlorobenzene	26.72	147538527	28.105 PPB
42)	TM 1,2-Dichlorobenzene	27.04	140404643	31.229 PPB
43)	tm 1,2-Dibromomo-3-chloroprop	27.48	37115895	32.429 PPB
44)	tm 1,2,4-Trichlorobenzene	28.91	157830293	30.867 PPB
45)	tm Hexachlorobutadiene	29.29	242621397	30.456 PPB
46)	tm 1,2,3-Trichlorobenzene	29.47	161992974	26.634 PPB
48)	TM tert-Butyl Alcohol	6.96	1602118	1542.779 PPB m
49)	tm trans-1,2-Dichloroethene	8.84	15371886	39.306 PPB
50)	tm cis-1,2-Dichloroethene	11.85	9340349	39.627 PPB
51)	tm 1,1-Dichloropropene	16.29	11199366	39.656 PPB
52)	TM Benzene	16.98	25634588	39.494 PPB
54)	tm Trichloroethene	19.25	15120313	39.860 PPB
56)	tm cis-1,3-Dichloropropene	21.02	6157393	38.934 PPB
57)	TM trans-1,3-Dichloropropene	21.85	7803657	37.815 PPB
58)	TM Toluene	22.32	23504093	37.341 PPB
59)	tm Tetrachloroethene	23.31	11652726	39.144 PPB
60)	TM Chlorobenzene	24.14	24904260	38.464 PPB
61)	TM Ethylbenzene	24.41	21689967	38.563 PPB
62)	TM m,p-Xylene	24.64	49215514	77.160 PPB
63)	tm Styrene	24.97	26698310	38.516 PPB
64)	TM o-Xylene	25.05	20987056	38.112 PPB
65)	tm Isopropylbenzene	25.42	17579450	38.458 PPB
66)	TM Bromobenzene	25.62	25631619	38.227 PPB
67)	tm n-Propylbenzene	25.86	19975707	38.311 PPB
68)	tm 2-Chlorotoluene	25.92	22586083	38.029 PPB
69)	tm 4-Chlorotoluene	26.00	23640048	37.900 PPB
70)	tm 1,3,5-Trimethylbenzene	26.15	29473585	37.404 PPB

(f)=RT Delta > 1/2 Window

NP7993.D VRX1105.M

Wed Nov 06 09:27:18 1996

(m)=manual int.

RPT1

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Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\NP7993.D
Signal #2 : C:\HPCHEM\5\DATA\NP7993.D\CONFIRM.D
Acq On : 05 Nov 96 03:40 PM
Sample : 40ppb STD.
Misc : GNP256,W,,,,1
Quant Time: Nov 6 8:25 1996

Vial: 1
Operator: RMS
Inst : GC-NP
Multiplr: 1.00

Method : C:\HPCHEM\5\METHODS\VRX1105.M
Title : 601/602 BY GC-PID AND GC-ELCD
Last Update : Wed Nov 06 08:32:05 1996
Response via : Multiple Level Calibration

Volume Inj. : 5.0 ML PURGE VOLUME

Signal #1 Phase : (ELCD) J+W DBVRX Signal #2 Phase: (PID) J+W DBVRX 75mX
Signal #1 Info : Signal #2 Info :

	Compound	R.T.	Response	Conc	Units
71)	TM tert-Butylbenzene	26.39	16439919	37.954	PPB
72)	tm 1,2,4-Trimethylbenzene	26.50	21995688	37.192	PPB
73)	tm sec-Butylbenzene	26.59	15998278	37.520	PPB
74)	TM 1,3-Dichlorobenzene	26.64	23646607	39.256	PPB
75)	TM 1,4-Dichlorobenzene	26.71	20850260	38.371	PPB
76)	tm p-Isopropyltoluene	26.77	17971490	37.641	PPB
77)	TM 1,2-Dichlorobenzene	27.02	17437601	38.016	PPB
78)	tm n-Butylbenzene	27.14	18212549	37.059	PPB
79)	tm 1,2,4-Trichlorobenzene	28.89	13402212	36.973	PPB
80)	tm Naphthalene	29.20	11787431	30.371	PPB
81)	tm Hexachlorobutadiene	29.27	11252008	38.830	PPB
82)	tm 1,2,3-Trichlorobenzene	29.45	12547689	35.686	PPB
83)	TM Methyl tert butyl ether	9.41	6535693	36.822	PPB
84)	tm 2-Chloroethylvinyl ether	20.74	4666150	64.346	PPB

Evaluate Continuing Calibration Report

Signal #1 : C:\HPCHEM\5\DATA\NP8429.D
 Signal #2 : C:\HPCHEM\5\DATA\NP8429.D\CONFIRM.D
 Acq On : 28 Nov 96 02:17 PM
 Sample : 5ppb STD.
 Misc : GNP273,W,,,1

Vial: 1

Operator: RMS
 Inst : GC-NP
 Multiplr: 1.00

Method : C:\HPCHEM\5\METHODS\VRX1105.M
 Title : 601/602 BY GC-PID AND GC-ELCD
 Last Update : Wed Nov 06 08:32:05 1996
 Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.10min
 Max. RRF Dev : 15% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	TM Dichlorodifluoromethane	1.651	1.454 E6	11.9	92	0.00
2	TM Chloromethane	1.886	1.752 E6	7.1	101	0.01
3	TM Vinyl Chloride	2.982	2.700 E6	9.5	90	0.00
4	TM Bromomethane	1.190	1.099 E6	7.6	90	0.00
5	TM Chloroethane	2.582	2.762 E6	-7.0	103	0.01
6	TM Trichlorofluoromethane	3.589	3.296 E6	8.2	89	0.00
7	TM 1,1-Dichloroethene	4.091	3.787 E6	7.4	93	0.00
8	TM Methylene Chloride	5.061	5.530 E6	-9.3	108	0.00
9	TM trans-1,2-Dichloroethene	4.045	3.919 E6	3.1	95	0.01
10	TM 1,1-Dichloroethane	4.806	4.705 E6	2.1	93	0.00
11	TM cis-1,2-Dichloroethene	5.971	6.369 E6	-6.7	97	0.00
12	TM Bromochloromethane	4.534	4.312 E6	4.9	90	0.00
13	TM Chloroform	8.408	8.341 E6	0.8	92	0.00
14	TM 2,2-Dichloropropane	7.473	8.183 E6	-9.5	104	0.00
15	TM 1,2-Dichloroethane	5.337	4.800 E6	10.1	85	0.00
16	TM 1,1,1-Trichloroethane	8.154	8.045 E6	1.3	95	0.00
17	TM 1,1-Dichloropropene	6.292	6.006 E6	4.5	91	0.00
18	TM Carbon Tetrachloride	9.323	8.578 E6	8.0	83	0.00
19	TM Dibromomethane	2.747	2.909 E6	-5.9	106	0.00
20	TM 1,2-Dichloropropane	6.096	5.765 E6	5.4	90	-0.01
21	TM Trichloroethene	7.566	7.290 E6	3.7	93	-0.01
22	TM Bromodichloromethane	7.231	7.760 E6	-7.3	100	-0.01
23	TM 2-Chloroethylvinyl ether	891.062	305.545 E3	65.7#	35#	0.02
24	TM cis-1,3-Dichloropropene	5.519	5.277 E6	4.4	93	0.00
25	TM trans-1,3-Dichloropropene	4.242	3.955 E6	6.8	90	0.02
26	TM 1,1,2-Trichloroethane	5.604	5.441 E6	2.9	94	0.00
27	S 2-Bromo-1-Chloropropane	3.417	2.966 E6	13.2	89	0.00
28	TM 1,3-Dichloropropane	5.037	5.492 E6	-9.0	101	0.00
29	TM Dibromochloromethane	3.629	3.584 E6	1.2	94	0.00
30	TM 1,2-Dibromoethane	2.374	2.135 E6	10.1	85	0.00
31	TM Tetrachloroethene	7.568	8.410 E6	-11.1	109	0.00
32	TM 1,1,1,2-Tetrachloroethane	6.537	6.469 E6	1.0	96	0.00
33	TM Chlorobenzene	3.137	3.271 E6	-4.3	100	0.00
34	TM Bromoform	2.047	1.827 E6	10.7	87	0.00
35	TM 1,1,2,2-Tetrachloroethane	3.372	3.153 E6	6.5	89	0.00
36	TM 1,2,3-Trichloropropane	3.050	2.876 E6	5.7	91	0.00
37	TM Bromobenzene	2.000	1.726 E6	13.7	84	0.00
38	TM 2-Chlorotoluene	2.420	2.247 E6	7.2	88	0.00
	TM 4-Chlorotoluene	2.663	2.859 E6	-7.3	102	0.00
	TM 1,3-Dichlorobenzene	3.726	3.463 E6	7.1	88	0.00
1	TM 1,4-Dichlorobenzene	4.548	4.641 E6	-2.0	101	0.00

(#) = Out of Range
 NP8429.D VRX1105.M

Mon Dec 02 14:44:40 1996

RPT1

Page 1

Evaluate Continuing Calibration Report

Signal #1 : C:\HPCHEM\5\DATA\NP8429.D
 Signal #2 : C:\HPCHEM\5\DATA\NP8429.D\CONFIRM.D
 Acq On : 28 Nov 96 02:17 PM
 Sample : 5ppb STD.
 Misc : GNP273,W,,,,1

Vial: 1
 Operator: RMS
 Inst : GC-NP
 Multiplr: 1.00

Method : C:\HPCHEM\5\METHODS\VRX1105.M
 Title : 601/602 BY GC-PID AND GC-ELCD
 Last Update : Wed Nov 06 08:32:05 1996
 Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.10min
 Max. RRF Dev : 15% Max. Rel. Area : 150%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
42 TM 1,2-Dichlorobenzene	3.996	4.105 E6	-2.7	97	0.00
43 TM 1,2-Dibromomo-3-chloropropa	887.251	813.627 E3	8.3	93	0.00
44 TM 1,2,4-Trichlorobenzene	4.114	3.758 E6	8.6	91	0.00
45 TM Hexachlorobutadiene	6.653	6.629 E6	0.4	100	0.00
46 TM 1,2,3-Trichlorobenzene	4.697	4.788 E6	-1.9	103	0.00

Signal #2

Data File : C:\HPCHEM\5\DATA\NP8429.D\CONFIRM.D
 Acq On : 28 Nov 96 02:17 PM
 Sample : 5ppb STD.
 Misc : GNP273,W,,,,1

Vial: 1
 Operator: RMS
 Inst : GC-NP
 Multiplr: 1.00

Compound	AvgRF	CCRF	%Dev	Area%	Dev(Min)
48 TM tert-Butyl Alcohol	0.941	0.861 E3	8.6	86	0.00
49 TM trans-1,2-Dichloroethene	369.058	355.894 E3	3.6	99	0.00
50 TM cis-1,2-Dichloroethene	273.310	305.393 E3	-11.7	101	0.00
51 TM 1,1-Dichloropropene	268.017	284.337 E3	-6.1	110	0.00
52 TM Benzene	612.486	589.366 E3	3.8	99	0.00
53 S Fluorobenzene	409.590	364.622 E3	11.0	92	-0.01
54 TM Trichloroethene	360.134	350.212 E3	2.8	100	0.00
55 S aaa-Trifluorotoluene #2	199.727	181.544 E3	9.1	93	0.00
56 TM cis-1,3-Dichloropropene	143.946	141.631 E3	1.6	101	0.00
57 TM trans-1,3-Dichloropropene	181.416	180.941 E3	0.3	102	-0.02
58 TM Toluene	586.185	577.671 E3	1.5	101	0.00
59 TM Tetrachloroethene	295.377	369.309 E3	-25.0#	128	0.00
60 TM Chlorobenzene	607.235	580.737 E3	4.4	96	0.00
61 TM Ethylbenzene	530.430	505.932 E3	4.6	96	0.00
62 TM m,p-Xylene	606.085	605.296 E3	0.1	101	0.00
63 TM Styrene	650.733	627.148 E3	3.6	97	0.00
64 TM o-Xylene	519.878	510.037 E3	1.9	98	0.00
65 TM Isopropylbenzene	431.943	418.189 E3	3.2	98	0.00
66 TM Bromobenzene	629.255	601.023 E3	4.5	96	0.00
67 TM n-Propylbenzene	486.277	498.006 E3	-2.4	104	0.00
68 TM 2-Chlorotoluene	570.036	856.580 E3	-50.3#	152#	0.00
69 TM 4-Chlorotoluene	590.406	591.855 E3	-0.2	102	0.00
70 TM 1,3,5-Trimethylbenzene	727.081	709.014 E3	2.5	98	0.00
71 TM tert-Butylbenzene	407.621	392.978 E3	3.6	99	0.00
72 TM 1,2,4-Trimethylbenzene	542.994	602.059 E3	-10.9	112	0.00
73 TM sec-Butylbenzene	388.776	379.400 E3	2.4	99	0.00

(#) = Out of Range

CONFIRM.D VRX1105.M

Mon Dec 02 14:44:58 1996

RPT1

Page 2

Evaluate Continuing Calibration Report

Data File : C:\HPCHEM\5\DATA\NP8429.D\CONFIRM.D
 Acq On : 28 Nov 96 02:17 PM
 Sample : 5ppb STD.
 Misc : GNP273,W,,,,1

Vial: 1
 Operator: RMS
 Inst : GC-NP
 Multiplr: 1.00

Method : C:\HPCHEM\5\METHODS\VRX1105.M
 Title : 601/602 BY GC-PID AND GC-ELCD
 Last Update : Wed Nov 06 08:32:05 1996
 Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.10min
 Max. RRF Dev : 15% Max. Rel. Area : 150%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
74 TM 1,3-Dichlorobenzene	572.164	568.945 E3	0.6	100	0.00
75 TM 1,4-Dichlorobenzene	504.271	487.862 E3	3.3	97	0.00
76 TM p-Isopropyltoluene	441.542	431.779 E3	2.2	99	0.00
77 TM 1,2-Dichlorobenzene	424.881	406.258 E3	4.4	96	0.00
78 TM n-Butylbenzene	446.585	445.109 E3	0.3	104	0.00
79 TM 1,2,4-Trichlorobenzene	312.071	300.610 E3	3.7	97	0.00
80 TM Naphthalene	270.926	263.586 E3	2.7	99	0.00
81 TM Hexachlorobutadiene	262.531	260.628 E3	0.7	103	0.00
82 TM 1,2,3-Trichlorobenzene	292.960	283.183 E3	3.3	98	0.00
83 TM Methyl tert butyl ether	153.233	148.488 E3	3.1	101	0.00
84 TM 2-Chloroethylvinyl ether	96.543	92.350 E3	4.3	102	0.00

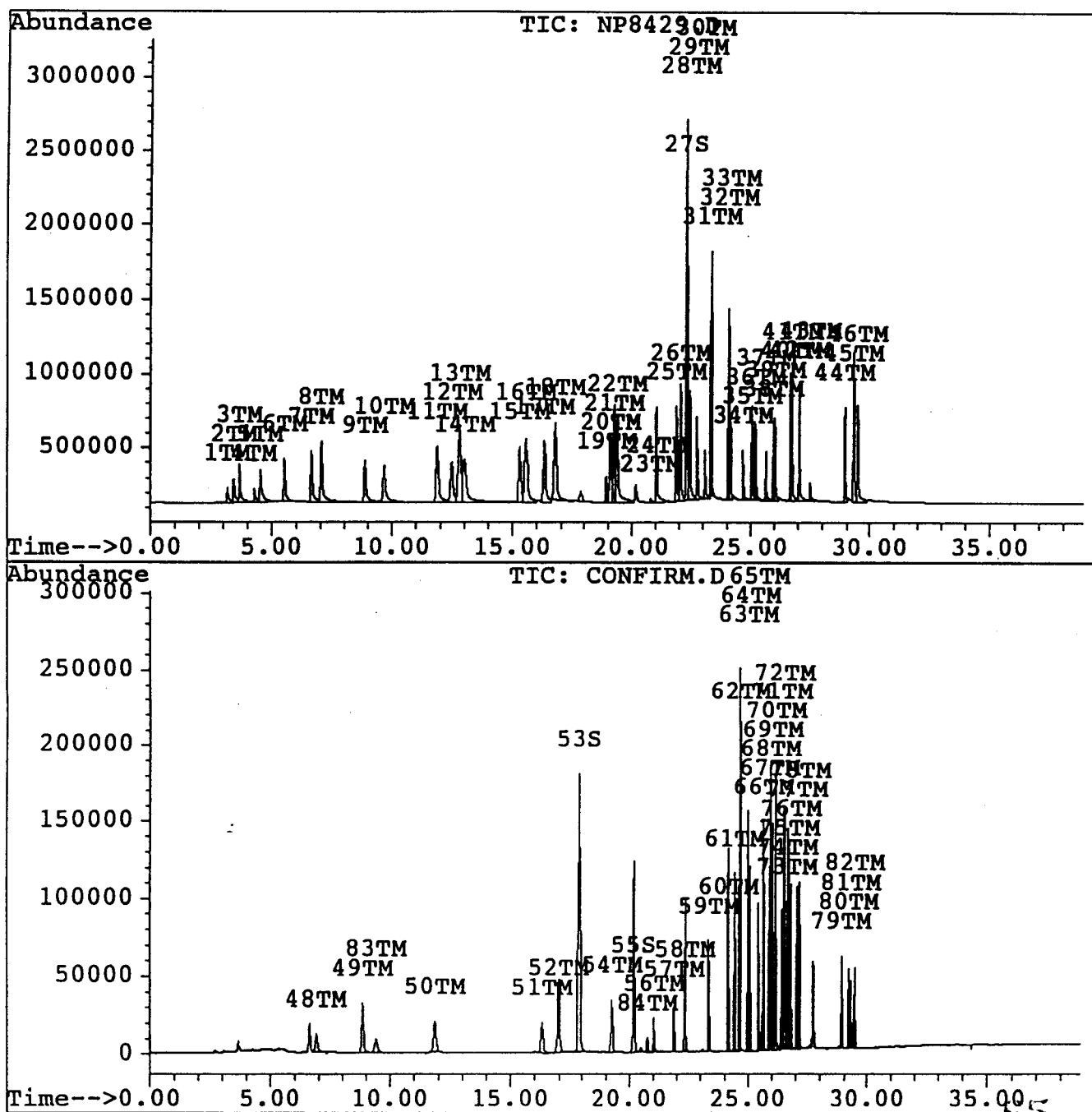
Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\NP8429.D
Signal #2 : C:\HPCHEM\5\DATA\NP8429.D\CONFIRM.D
Acq On : 28 Nov 96 02:17 PM
Sample : 5ppb STD.
Misc : GNP273,W,,,,1
Quant Time: Nov 28 15:25 1996

Vial: 1
Operator: RMS
Inst : GC-NP
Multiplr: 1.00

Method : C:\HPCHEM\5\METHODS\VRX1105.M
Title : 601/602 BY GC-PID AND GC-ELCD
Last Update : Wed Nov 06 08:32:05 1996
Response via : Multiple Level Calibration

Volume Inj. : 5.0 ML PURGE VOLUME
Signal #1 Phase : (ELCD) J+W DBVRX Signal #2 Phase: (PID) J+W DBVRX 75mX
Signal #1 Info : Signal #2 Info :



Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\NP8429.D
Signal #2 : C:\HPCHEM\5\DATA\NP8429.D\CONFIRM.D
Acq On : 28 Nov 96 02:17 PM
Sample : 5ppb STD.
Misc : GNP273,W,,,,1
Quant Time: Nov 28 15:25 1996

Vial: 1
Operator: RMS
Inst : GC-NP
Multiplr: 1.00

Method : C:\HPCHEM\5\METHODS\VRX1105.M
Title : 601/602 BY GC-PID AND GC-ELCD
Last Update : Wed Nov 06 08:32:05 1996
Response via : Multiple Level Calibration

Volume Inj. : 5.0 ML PURGE VOLUME
Signal #1 Phase : (ELCD) J+W DBVRX Signal #2 Phase: (PID) J+W DBVRX 75mX
Signal #1 Info : Signal #2 Info :

Compound		R.T.	Response	Conc	Units	

System Monitoring Compounds						
27)	S 2-Bromo-1-Chloropropane	22.28	88992801	26.042	PPB	
			Recovery =	86.81%		
53)	S Fluorobenzene	17.85	10938660	26.706	PPB	
			Recovery =	89.02%		
55)	S aaa-Trifluorotoluene #2	20.17	5446329	27.269	PPB	
			Recovery =	90.90%		
Target Compounds						
1)	TM Dichlorodifluoromethane	3.15	7271699	4.405	PPB	m
2)	TM Chloromethane	3.42	8760520	4.644	PPB	
3)	TM Vinyl Chloride	3.65	13501421	4.527	PPB	m
4)	TM Bromomethane	4.26	5494425	4.618	PPB	m
5)	TM Chloroethane	4.52	13811380	5.349	PPB	
6)	TM Trichlorofluoromethane	5.52	16481419	4.592	PPB	
7)	TM 1,1-Dichloroethene	6.63	18935585	4.628	PPB	
8)	TM Methylene Chloride	7.04	27650405	5.464	PPB	
9)	TM trans-1,2-Dichloroethene	8.87	19593122	4.843	PPB	
10)	TM 1,1-Dichloroethane	9.66	23526835	4.895	PPB	
11)	TM cis-1,2-Dichloroethene	11.87	31844198	5.333	PPB	
12)	TM Bromochloromethane	12.48	21557533	4.755	PPB	
13)	TM Chloroform	12.81	41704757	4.960	PPB	
14)	TM 2,2-Dichloropropane	13.01	40913328	5.475	PPB	
15)	TM 1,2-Dichloroethane	15.29	23998455	4.497	PPB	
16)	TM 1,1,1-Trichloroethane	15.55	40224564	4.933	PPB	
17)	TM 1,1-Dichloropropene	16.31	30030155	4.773	PPB	
18)	TM Carbon Tetrachloride	16.76	42892278	4.600	PPB	m
19)	TM Dibromomethane	18.92	14542840	5.295	PPB	m
20)	TM 1,2-Dichloropropane	19.10	28826776	4.729	PPB	
21)	TM Trichloroethene	19.26	36448045	4.817	PPB	
22)	TM Bromodichloromethane	19.39	38800859	5.366	PPB	
23)	TM 2-Chloroethylvinyl ether	20.78	1527727	1.715	PPB	m
24)	TM cis-1,3-Dichloropropene	21.03	26387357	4.781	PPB	
25)	TM trans-1,3-Dichloropropene	21.87	19772749	4.661	PPB	
26)	TM 1,1,2-Trichloroethane	22.05	27203546	4.854	PPB	
3)	TM 1,3-Dichloropropane	22.43	27461534	5.452	PPB	
9)	TM Dibromochloromethane	22.74	17918435	4.938	PPB	

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\NP8429.D
 Signal #2 : C:\HPCHEM\5\DATA\NP8429.D\CONFIRM.D
 Acq On : 28 Nov 96 02:17 PM
 Sample : 5ppb STD.
 Misc : GNP273,W,,,,1
 Quant Time: Nov 28 15:25 1996

Vial: 1
 Operator: RMS
 Inst : GC-NP
 Multiplr: 1.00

Method : C:\HPCHEM\5\METHODS\VRX1105.M
 Title : 601/602 BY GC-PID AND GC-ELCD
 Last Update : Wed Nov 06 08:32:05 1996
 Response via : Multiple Level Calibration

Volume Inj. : 5.0 ML PURGE VOLUME
 Signal #1 Phase : (ELCD) J+W DBVRX Signal #2 Phase: (PID) J+W DBVRX 75mX
 Signal #1 Info : Signal #2 Info :

	Compound	R.T.	Response	Conc	Units
30)	TM 1,2-Dibromoethane	23.07	10676109	4.497	PPB
31)	TM Tetrachloroethene	23.33	42048237	5.556	PPB m
32)	TM 1,1,1,2-Tetrachloroethane	24.08	32344653	4.948	PPB
33)	TM Chlorobenzene	24.16	16356735	5.215	PPB m
34)	TM Bromoform	24.69	9136476	4.464	PPB
35)	TM 1,1,2,2-Tetrachloroethane	25.06	15764011	4.675	PPB
36)	TM 1,2,3-Trichloropropane	25.20	14380364	4.715	PPB
37)	TM Bromobenzene	25.65	8627901	4.313	PPB
38)	TM 2-Chlorotoluene	25.95	11233394	4.641	PPB
39)	TM 4-Chlorotoluene	26.02	14294875	5.367	PPB
40)	TM 1,3-Dichlorobenzene	26.66	17314655	4.647	PPB
41)	TM 1,4-Dichlorobenzene	26.73	23206405	5.102	PPB
42)	TM 1,2-Dichlorobenzene	27.04	20527166	5.137	PPB
43)	TM 1,2-Dibromomo-3-chloroprop	27.49	4068133	4.585	PPB m
44)	TM 1,2,4-Trichlorobenzene	28.92	18790658	4.568	PPB
45)	TM Hexachlorobutadiene	29.30	33142610	4.981	PPB
46)	TM 1,2,3-Trichlorobenzene	29.47	23940622	5.097	PPB m
48)	TM tert-Butyl Alcohol	6.90	860866	914.418	PPB
49)	TM trans-1,2-Dichloroethene	8.84	1779470	4.822	PPB
50)	TM cis-1,2-Dichloroethene	11.85	1526966	5.587	PPB m
51)	TM 1,1-Dichloropropene	16.29	1421685	5.304	PPB
52)	TM Benzene	16.98	2946831	4.811	PPB
54)	TM Trichloroethene	19.24	1751058	4.862	PPB
56)	TM cis-1,3-Dichloropropene	21.01	708153	4.920	PPB
57)	TM trans-1,3-Dichloropropene	21.85	904707	4.987	PPB
58)	TM Toluene	22.32	2888353	4.927	PPB
59)	TM Tetrachloroethene	23.31	1846545	6.251	PPB m
60)	TM Chlorobenzene	24.14	2903686	4.782	PPB
61)	TM Ethylbenzene	24.41	2529660	4.769	PPB
62)	TM m,p-Xylene	24.64	6052956	9.987	PPB
63)	TM Styrene	24.98	3135739	4.819	PPB
64)	TM o-Xylene	25.05	2550185	4.905	PPB
65)	TM Isopropylbenzene	25.43	2090947	4.841	PPB
66)	TM Bromobenzene	25.62	3005114	4.776	PPB
67)	TM n-Propylbenzene	25.86	2490031	5.121	PPB
68)	TM 2-Chlorotoluene	25.92	4282900	7.513	PPB m
69)	TM 4-Chlorotoluene	26.00	2959274	5.012	PPB
70)	TM 1,3,5-Trimethylbenzene	26.15	3545068	4.876	PPB

(f)=RT Delta > 1/2 Window

(m)=manual int?

NP8429.D VRX1105.M Thu Nov 28 15:26:15 1996

RPT1

Page 2

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\NP8429.D
Signal #2 : C:\HPCHEM\5\DATA\NP8429.D\CONFIRM.D
Acq On : 28 Nov 96 02:17 PM
Sample : 5ppb STD.
Misc : GNP273,W,,,,1
Quant Time: Nov 28 15:25 1996

Vial: 1

Operator: RMS
Inst : GC-NP
Multiplr: 1.00

Method : C:\HPCHEM\5\METHODS\VRX1105.M
Title : 601/602 BY GC-PID AND GC-ELCD
Last Update : Wed Nov 06 08:32:05 1996
Response via : Multiple Level Calibration

Volume Inj. : 5.0 ML PURGE VOLUME

Signal #1 Phase : (ELCD) J+W DBVRX Signal #2 Phase: (PID) J+W DBVRX 75mX

Signal #1 Info : Signal #2 Info :

	Compound	R.T.	Response	Conc	Units
71)	TM tert-Butylbenzene	26.39	1964888	4.820	PPB
72)	TM 1,2,4-Trimethylbenzene	26.50	3010295	5.544	PPB m
73)	TM sec-Butylbenzene	26.60	1896998	4.879	PPB
74)	TM 1,3-Dichlorobenzene	26.64	2844725	4.972	PPB
75)	TM 1,4-Dichlorobenzene	26.71	2439308	4.837	PPB
76)	TM p-Isopropyltoluene	26.77	2158896	4.889	PPB
77)	TM 1,2-Dichlorobenzene	27.02	2031288	4.781	PPB
78)	TM n-Butylbenzene	27.14	2225547	4.983	PPB
79)	TM 1,2,4-Trichlorobenzene	28.90	1503049	4.816	PPB
80)	TM Naphthalene	29.20	1317929	4.865	PPB
81)	TM Hexachlorobutadiene	29.28	1303138	4.964	PPB
82)	TM 1,2,3-Trichlorobenzene	29.45	1415914	4.833	PPB
83)	TM Methyl tert butyl ether	9.40	742439	4.845	PPB
84)	TM 2-Chloroethylvinyl ether	20.74	461750	4.783	PPB m

Evaluate Continuing Calibration Report

Signal #1 : C:\HPCHEM\5\DATA\NP8448.D
 Signal #2 : C:\HPCHEM\5\DATA\NP8448.D\CONFIRM.D
 Acq On : 02 Dec 96 11:40 AM
 Sample : 5ppb STD.
 Misc : GNP275,W,,,,1

Vial: 1
 Operator: RMS
 Inst : GC-NP
 Multiplr: 1.00

Method : C:\HPCHEM\5\METHODS\VRX1105.M
 Title : 601/602 BY GC-PID AND GC-ELCD
 Last Update : Wed Nov 06 08:32:05 1996
 Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.10min
 Max. RRF Dev : 15% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	TM Dichlorodifluoromethane	1.651	1.506 E6	8.7	95	-0.02
2	TM Chloromethane	1.886	2.093 E6	-11.0	120	0.00
3	TM Vinyl Chloride	2.982	2.640 E6	11.5	88	0.00
4	TM Bromomethane	1.190	1.089 E6	8.5	90	0.00
5	TM Chloroethane	2.582	2.893 E6	-12.0	108	0.00
6	TM Trichlorofluoromethane	3.589	3.547 E6	1.2	96	0.00
7	TM 1,1-Dichloroethene	4.091	4.015 E6	1.9	98	0.00
8	TM Methylene Chloride	5.061	5.773 E6	-14.1	112	0.00
9	TM trans-1,2-Dichloroethene	4.045	4.166 E6	-3.0	101	0.01
10	TM 1,1-Dichloroethane	4.806	5.035 E6	-4.8	99	0.00
11	TM cis-1,2-Dichloroethene	5.971	6.560 E6	-9.9	100	0.00
12	TM Bromochloromethane	4.534	4.537 E6	-0.1	95	0.00
13	TM Chloroform	8.408	8.707 E6	-3.6	96	0.00
14	TM 2,2-Dichloropropane	7.473	8.253 E6	-10.4	105	0.00
15	TM 1,2-Dichloroethane	5.337	4.839 E6	9.3	86	0.00
16	TM 1,1,1-Trichloroethane	8.154	8.531 E6	-4.6	101	0.00
17	TM 1,1-Dichloropropene	6.292	6.402 E6	-1.8	97	0.00
18	TM Carbon Tetrachloride	9.323	10.585 E6	-13.5	102	0.00
19	TM Dibromomethane	2.747	2.790 E6	-1.6	101	0.00
20	TM 1,2-Dichloropropane	6.096	6.035 E6	1.0	94	0.00
21	TM Trichloroethene	7.566	7.596 E6	-0.4	96	0.00
22	TM Bromodichloromethane	7.231	8.083 E6	-11.8	105	0.00
23	TM 2-Chloroethylvinyl ether	891.062	367.677 E3	58.7#	42#	0.01
24	TM cis-1,3-Dichloropropene	5.519	5.636 E6	-2.1	100	0.00
25	TM trans-1,3-Dichloropropene	4.242	4.118 E6	2.9	94	0.02
26	TM 1,1,2-Trichloroethane	5.604	5.711 E6	-1.9	99	0.00
27	S 2-Bromo-1-Chloropropane	3.417	3.073 E6	10.1	93	0.00
28	TM 1,3-Dichloropropane	5.037	5.681 E6	-12.8	105	0.00
29	TM Dibromochloromethane	3.629	3.740 E6	-3.1	98	0.00
30	TM 1,2-Dibromoethane	2.374	2.279 E6	4.0	91	0.00
31	TM Tetrachloroethene	7.568	7.825 E6	-3.4	102	0.00
32	TM 1,1,1,2-Tetrachloroethane	6.537	6.641 E6	-1.6	99	0.00
33	TM Chlorobenzene	3.137	3.533 E6	-12.6	108	0.00
34	TM Bromoform	2.047	1.943 E6	5.1	93	0.00
35	TM 1,1,2,2-Tetrachloroethane	3.372	3.277 E6	2.8	92	0.00
36	TM 1,2,3-Trichloropropane	3.050	3.039 E6	0.4	96	0.00
37	TM Bromobenzene	2.000	1.825 E6	8.8	89	0.00
38	TM 2-Chlorotoluene	2.420	2.327 E6	3.9	91	0.00
39	TM 4-Chlorotoluene	2.663	2.899 E6	-8.8	103	0.00
40	TM 1,3-Dichlorobenzene	3.726	3.485 E6	6.5	89	0.00
41	TM 1,4-Dichlorobenzene	4.548	4.630 E6	-1.8	101	0.00

(#) = Out of Range

NP8448.D VRX1105.M

Mon Dec 02 12:42:34 1996

RPT1

Page 1

Evaluate Continuing Calibration Report

Signal #1 : C:\HPCHEM\5\DATA\NP8448.D
 Signal #2 : C:\HPCHEM\5\DATA\NP8448.D\CONFIRM.D
 Acq On : 02 Dec 96 11:40 AM
 Sample : 5ppb STD.
 Misc : GNP275,W,,,,1

Vial: 1
 Operator: RMS
 Inst : GC-NP
 Multiplr: 1.00

Method : C:\HPCHEM\5\METHODS\VRX1105.M
 Title : 601/602 BY GC-PID AND GC-ELCD
 Last Update : Wed Nov 06 08:32:05 1996
 Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.10min
 Max. RRF Dev : 15% Max. Rel. Area : 150%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
42 TM 1,2-Dichlorobenzene	3.996	4.196 E6	-5.0	100	0.00
43 TM 1,2-Dibromomo-3-chloropropa	887.251	893.906 E3	-0.8	102	0.00
44 TM 1,2,4-Trichlorobenzene	4.114	4.325 E6	-5.1	105	0.00
45 TM Hexachlorobutadiene	6.653	7.030 E6	-5.7	106	0.00
46 TM 1,2,3-Trichlorobenzene	4.697	4.549 E6	3.2	98	0.00

Signal #2

Data File : C:\HPCHEM\5\DATA\NP8448.D\CONFIRM.D
 Acq On : 02 Dec 96 11:40 AM
 Sample : 5ppb STD.
 Misc : GNP275,W,,,,1

Vial: 1
 Operator: RMS
 Inst : GC-NP
 Multiplr: 1.00

Compound	AvgRF	CCRF	%Dev	Area%	Dev(Min)
48 TM tert-Butyl Alcohol	0.941	0.000 E3	100.0#	0#	-6.90#
49 TM trans-1,2-Dichloroethene	369.058	355.543 E3	3.7	99	0.00
50 TM cis-1,2-Dichloroethene	273.310	297.138 E3	-8.7	99	0.00
51 TM 1,1-Dichloropropene	268.017	254.683 E3	5.0	98	0.00
52 TM Benzene	612.486	580.520 E3	5.2	98	0.00
53 S Fluorobenzene	409.590	358.000 E3	12.6	90	0.00
54 TM Trichloroethene	360.134	339.046 E3	5.9	97	0.00
55 S aaa-Trifluorotoluene #2	199.727	177.911 E3	10.9	91	0.00
56 TM cis-1,3-Dichloropropene	143.946	138.668 E3	3.7	99	0.00
57 TM trans-1,3-Dichloropropene	181.416	174.515 E3	3.8	98	-0.02
58 TM Toluene	586.185	564.225 E3	3.7	99	0.00
59 TM Tetrachloroethene	295.377	266.835 E3	9.7	93	0.00
60 TM Chlorobenzene	607.235	572.354 E3	5.7	95	0.00
61 TM Ethylbenzene	530.430	503.172 E3	5.1	96	0.00
62 TM m,p-Xylene	606.085	572.270 E3	5.6	95	0.00
63 TM Styrene	650.733	613.512 E3	5.7	95	0.00
64 TM o-Xylene	519.878	495.213 E3	4.7	96	0.00
65 TM Isopropylbenzene	431.943	412.774 E3	4.4	97	0.00
66 TM Bromobenzene	629.255	593.135 E3	5.7	95	0.00
67 TM n-Propylbenzene	486.277	466.177 E3	4.1	97	0.00
68 TM 2-Chlorotoluene	570.036	526.302 E3	7.7	93	0.00
69 TM 4-Chlorotoluene	590.406	555.226 E3	6.0	95	0.00
70 TM 1,3,5-Trimethylbenzene	727.081	697.923 E3	4.0	97	0.00
TM tert-Butylbenzene	407.621	385.714 E3	5.4	97	0.00
TM 1,2,4-Trimethylbenzene	542.994	521.217 E3	4.0	97	0.00
73 TM sec-Butylbenzene	388.776	386.519 E3	0.6	101	0.00

(#) = Out of Range

CONFIRM.D VRX1105.M

Mon Dec 02 12:42:51 1996

RPT1

Page 2

Evaluate Continuing Calibration Report

Data File : C:\HPCHEM\5\DATA\NP8448.D\CONFIRM.D
 Acq On : 02 Dec 96 11:40 AM
 Sample : 5ppb STD.
 Misc : GNP275,W,,,,1

Vial: 1
 Operator: RMS
 Inst : GC-NP
 Multiplr: 1.00

Method : C:\HPCHEM\5\METHODS\VRX1105.M
 Title : 601/602 BY GC-PID AND GC-ELCD
 Last Update : Wed Nov 06 08:32:05 1996
 Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.10min
 Max. RRF Dev : 15% Max. Rel. Area : 150%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
74 TM 1,3-Dichlorobenzene	572.164	529.994 E3	7.4	93	0.00
75 TM 1,4-Dichlorobenzene	504.271	474.920 E3	5.8	95	0.00
76 TM p-Isopropyltoluene	441.542	426.972 E3	3.3	98	0.00
77 TM 1,2-Dichlorobenzene	424.881	395.251 E3	7.0	93	0.00
78 TM n-Butylbenzene	446.585	434.840 E3	2.6	101	0.00
79 TM 1,2,4-Trichlorobenzene	312.071	296.811 E3	4.9	96	0.00
80 TM Naphthalene	270.926	262.740 E3	3.0	99	0.00
81 TM Hexachlorobutadiene	262.531	260.824 E3	0.7	103	0.00
82 TM 1,2,3-Trichlorobenzene	292.960	278.701 E3	4.9	96	0.00
83 TM Methyl tert butyl ether	153.233	149.118 E3	2.7	101	0.00
84 TM 2-Chloroethylvinyl ether	96.543	70.323 E3	27.2#	77	0.00

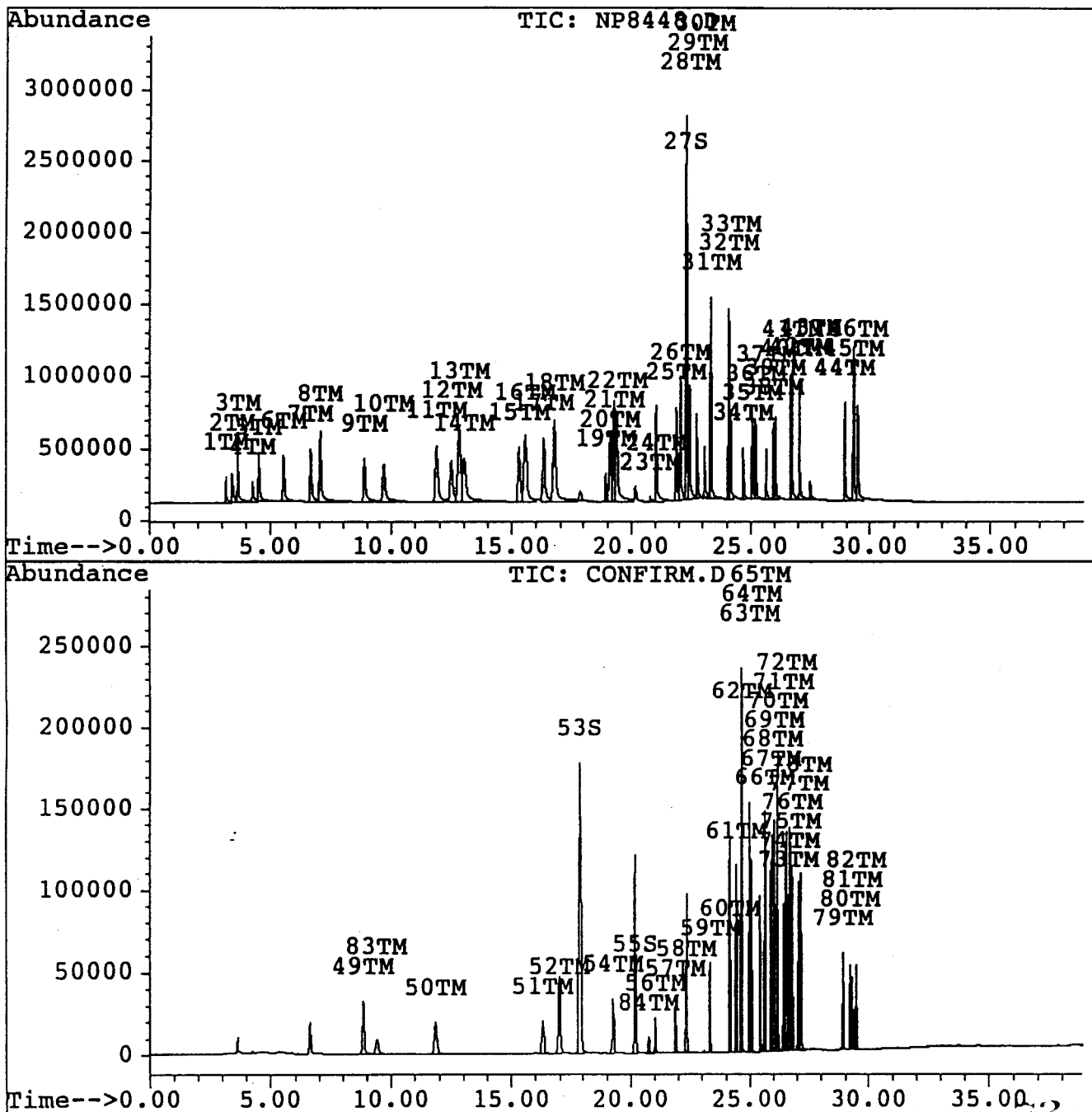
Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\NP8448.D
 Signal #2 : C:\HPCHEM\5\DATA\NP8448.D\CONFIRM.D
 Acq On : 02 Dec 96 11:40 AM
 Sample : 5ppb STD.
 Misc : GNP275,W,,,,,1
 Quant Time: Dec 2 12:40 1996

Vial: 1
 Operator: RMS
 Inst : GC-NP
 Multiplr: 1.00

Method : C:\HPCHEM\5\METHODS\VRX1105.M
 Title : 601/602 BY GC-PID AND GC-ELCD
 Last Update : Wed Nov 06 08:32:05 1996
 Response via : Multiple Level Calibration

Volume Inj. : 5.0 ML PURGE VOLUME
 Signal #1 Phase : (ELCD) J+W DBVRX Signal #2 Phase: (PID) J+W DBVRX 75mX
 Signal #1 Info : Signal #2 Info :



Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\NP8448.D
 Signal #2 : C:\HPCHEM\5\DATA\NP8448.D\CONFIRM.D
 Acq On : 02 Dec 96 11:40 AM
 Sample : 5ppb STD.
 Misc : GNP275,W,,,,,1
 Quant Time: Dec 2 12:40 1996

Vial: 1
 Operator: RMS
 Inst : GC-NP
 Multiplr: 1.00

Method : C:\HPCHEM\5\METHODS\VRX1105.M
 Title : 601/602 BY GC-PID AND GC-ELCD
 Last Update : Wed Nov 06 08:32:05 1996
 Response via : Multiple Level Calibration

Volume Inj. : 5.0 ML PURGE VOLUME

Signal #1 Phase : (ELCD) J+W DBVRX Signal #2 Phase: (PID) J+W DBVRX 75mX
 Signal #1 Info : Signal #2 Info :

Compound	R.T.	Response	Conc Units
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System Monitoring Compounds

27) S	2-Bromo-1-Chloropropane	22.29	92176143	26.974 PPB
			Recovery =	89.91%
53) S	Fluorobenzene	17.85	10740013	26.221 PPB
			Recovery =	87.40%
55) S	aaa-Trifluorotoluene #2	20.17	5337339	26.723 PPB
			Recovery =	89.08%

Target Compounds

1) TM	Dichlorodifluoromethane	3.14	7532362	4.563 PPB	m
2) TM	Chloromethane	3.41	10465611	5.548 PPB	
3) TM	Vinyl Chloride	3.65	13198240	4.426 PPB	
4) TM	Bromomethane	4.26	5445963	4.577 PPB	
5) TM	Chloroethane	4.50	14462617	5.601 PPB	m
6) TM	Trichlorofluoromethane	5.52	17732657	4.941 PPB	
7) TM	1,1-Dichloroethene	6.63	20073755	4.906 PPB	
8) TM	Methylene Chloride	7.04	28862842	5.703 PPB	m
9) TM	trans-1,2-Dichloroethene	8.87	20827848	5.149 PPB	
10) TM	1,1-Dichloroethane	9.66	25176255	5.238 PPB	
11) TM	cis-1,2-Dichloroethene	11.88	32798946	5.493 PPB	
12) TM	Bromochloromethane	12.48	22686122	5.004 PPB	
13) TM	Chloroform	12.81	43533981	5.178 PPB	
14) TM	2,2-Dichloropropane	13.01	41263222	5.522 PPB	
15) TM	1,2-Dichloroethane	15.29	24197368	4.534 PPB	
16) TM	1,1,1-Trichloroethane	15.55	42657205	5.231 PPB	
17) TM	1,1-Dichloropropene	16.32	32012340	5.088 PPB	
18) TM	Carbon Tetrachloride	16.77	52924092	5.676 PPB	
19) TM	Dibromomethane	18.92	13950347	5.079 PPB	m
20) TM	1,2-Dichloropropane	19.11	30173434	4.950 PPB	
21) TM	Trichloroethene	19.27	37981929	5.020 PPB	
22) TM	Bromodichloromethane	19.39	40416857	5.589 PPB	
23) TM	2-Chloroethylvinyl ether	20.78	1838383	2.063 PPB	m
24) TM	cis-1,3-Dichloropropene	21.04	28178173	5.105 PPB	
25) TM	trans-1,3-Dichloropropene	21.87	20590991	4.854 PPB	
26) TM	1,1,2-Trichloroethane	22.05	28552506	5.095 PPB	
27) TM	1,3-Dichloropropane	22.44	28406121	5.639 PPB	
28) TM	Dibromochloromethane	22.74	18701228	5.154 PPB	

(f)=RT Delta > 1/2 Window

NP8448.D VRX1105.M

Mon Dec 02 12:44:50 1996

(m)=manual int.

RPT1

Page 1

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\NP8448.D
Signal #2 : C:\HPCHEM\5\DATA\NP8448.D\CONFIRM.D
Acq On : 02 Dec 96 11:40 AM
Sample : 5ppb STD.
Misc : GNP275,W,,,,1
Quant Time: Dec 2 12:40 1996

Vial: 1
Operator: RMS
Inst : GC-NP
Multiplr: 1.00

Method : C:\HPCHEM\5\METHODS\VRX1105.M
Title : 601/602 BY GC-PID AND GC-ELCD
Last Update : Wed Nov 06 08:32:05 1996
Response via : Multiple Level Calibration

Volume Inj. : 5.0 ML PURGE VOLUME
Signal #1 Phase : (ELCD) J+W DBVRX Signal #2 Phase: (PID) J+W DBVRX 75mX
Signal #1 Info : Signal #2 Info :

	Compound	R.T.	Response	Conc	Units
30)	TM 1,2-Dibromoethane	23.07	11395710	4.800	PPB
31)	TM Tetrachloroethene	23.33	39124442	5.170	PPB
32)	TM 1,1,1,2-Tetrachloroethane	24.08	33204836	5.079	PPB
33)	TM Chlorobenzene	24.16	17664575	5.631	PPB m
34)	TM Bromoform	24.69	9715416	4.747	PPB
35)	TM 1,1,2,2-Tetrachloroethane	25.06	16384772	4.859	PPB
36)	TM 1,2,3-Trichloropropane	25.20	15194240	4.982	PPB
37)	TM Bromobenzene	25.65	9125663	4.562	PPB
38)	TM 2-Chlorotoluene	25.95	11632857	4.807	PPB
39)	TM 4-Chlorotoluene	26.03	14493443	5.442	PPB
40)	TM 1,3-Dichlorobenzene	26.67	17424412	4.677	PPB
41)	TM 1,4-Dichlorobenzene	26.73	23147961	5.089	PPB
42)	TM 1,2-Dichlorobenzene	27.05	20981161	5.251	PPB
43)	TM 1,2-Dibromomo-3-chloroprop	27.49	4469530	5.038	PPB m
44)	TM 1,2,4-Trichlorobenzene	28.92	21624889	5.257	PPB
45)	TM Hexachlorobutadiene	29.30	35149541	5.283	PPB
46)	TM 1,2,3-Trichlorobenzene	29.47	22745117	4.842	PPB m
49)	TM trans-1,2-Dichloroethene	8.84	1777713	4.817	PPB
50)	TM cis-1,2-Dichloroethene	11.85	1485691	5.436	PPB
51)	TM 1,1-Dichloropropene	16.29	1273414	4.751	PPB
52)	TM Benzene	16.98	2902598	4.739	PPB
54)	TM Trichloroethene	19.25	1695230	4.707	PPB
56)	TM cis-1,3-Dichloropropene	21.01	693339	4.817	PPB
57)	TM trans-1,3-Dichloropropene	21.85	872574	4.810	PPB
58)	TM Toluene	22.32	2821127	4.813	PPB
59)	TM Tetrachloroethene	23.31	1334177	4.517	PPB
60)	TM Chlorobenzene	24.14	2861768	4.713	PPB
61)	TM Ethylbenzene	24.41	2515860	4.743	PPB
62)	TM m,p-Xylene	24.64	5722703	9.442	PPB
63)	TM Styrene	24.98	3067562	4.714	PPB
64)	TM o-Xylene	25.05	2476066	4.763	PPB
65)	TM Isopropylbenzene	25.43	2063871	4.778	PPB
66)	TM Bromobenzene	25.63	2965675	4.713	PPB
67)	TM n-Propylbenzene	25.86	2330887	4.793	PPB
68)	TM 2-Chlorotoluene	25.93	2631508	4.616	PPB
69)	TM 4-Chlorotoluene	26.01	2776130	4.702	PPB
70)	TM 1,3,5-Trimethylbenzene	26.15	3489616	4.799	PPB
71)	TM tert-Butylbenzene	26.40	1928570	4.731	PPB

(f)=RT Delta > 1/2 Window

NP8448.D VRX1105.M

Mon Dec 02 12:44:58 1996

(m)=manual int.

RPT1

Page 2

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\NP8448.D
Signal #2 : C:\HPCHEM\5\DATA\NP8448.D\CONFIRM.D
Acq On : 02 Dec 96 11:40 AM
Sample : 5ppb STD.
Misc : GNP275,W,,,,1
Quant Time: Dec 2 12:40 1996

Vial: 1

Operator: RMS
Inst : GC-NP
Multiplr: 1.00

Method : C:\HPCHEM\5\METHODS\VRX1105.M
Title : 601/602 BY GC-PID AND GC-ELCD
Last Update : Wed Nov 06 08:32:05 1996
Response via : Multiple Level Calibration

Volume Inj. : 5.0 ML PURGE VOLUME

Signal #1 Phase : (ELCD) J+W DBVRX Signal #2 Phase: (PID) J+W DBVRX 75mX
Signal #1 Info : Signal #2 Info :

	Compound	R.T.	Response	Conc Units
72)	TM 1,2,4-Trimethylbenzene	26.51	2606085	4.799 PPB
73)	TM sec-Butylbenzene	26.60	1932595	4.971 PPB
74)	TM 1,3-Dichlorobenzene	26.64	2649970	4.631 PPB
75)	TM 1,4-Dichlorobenzene	26.71	2374598	4.709 PPB
76)	TM p-Isopropyltoluene	26.77	2134862	4.835 PPB
77)	TM 1,2-Dichlorobenzene	27.03	1976257	4.651 PPB
78)	TM n-Butylbenzene	27.14	2174200	4.869 PPB
79)	TM 1,2,4-Trichlorobenzene	28.90	1484057	4.756 PPB
80)	TM Naphthalene	29.20	1313698	4.849 PPB
81)	TM Hexachlorobutadiene	29.28	1304118	4.967 PPB
82)	TM 1,2,3-Trichlorobenzene	29.45	1393506	4.757 PPB
83)	TM Methyl tert butyl ether	9.40	745592	4.866 PPB
84)	TM 2-Chloroethylvinyl ether	20.74	351616	3.642 PPB m

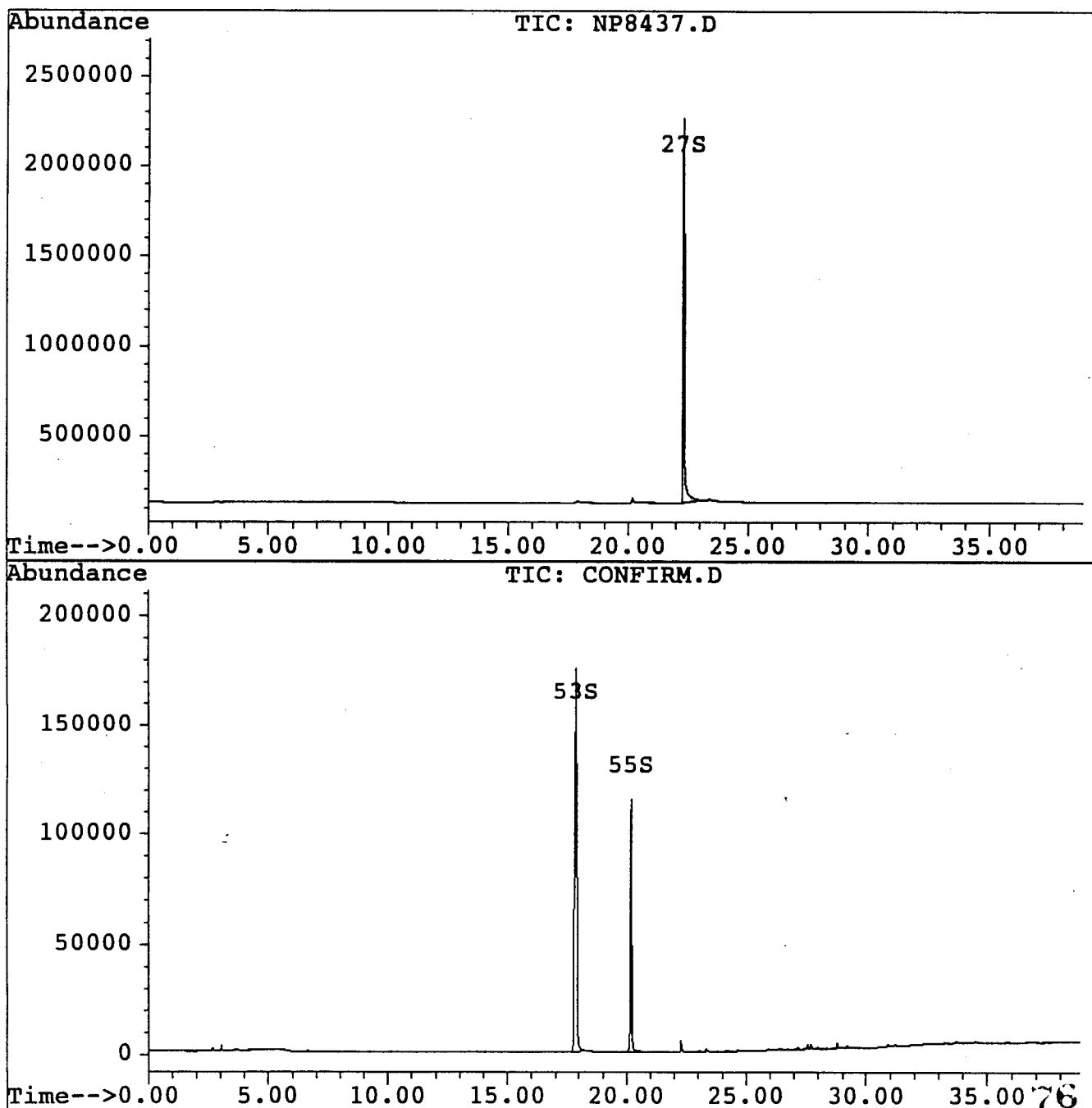
Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\NP8437.D
 Signal #2 : C:\HPCHEM\5\DATA\NP8437.D\CONFIRM.D
 Acq On : 28 Nov 96 09:22 PM
 Sample : MB1
 Misc : GC3220,GNP276,W,,,,,1
 Quant Time: Dec 2 9:39 1996

Vial: 8
 Operator: RMS
 Inst : GC-NP
 Multiplr: 1.00

Method : C:\HPCHEM\5\METHODS\VRX1105.M
 Title : 601/602 BY GC-PID AND GC-ELCD
 Last Update : Wed Nov 06 08:32:05 1996
 Response via : Multiple Level Calibration

Volume Inj. : 5.0 ML PURGE VOLUME
 Signal #1 Phase : (ELCD) J+W DBVRX Signal #2 Phase: (PID) J+W DBVRX 75mX
 Signal #1 Info : Signal #2 Info :



Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\NP8437.D
Signal #2 : C:\HPCHEM\5\DATA\NP8437.D\CONFIRM.D
Acq On : 28 Nov 96 09:22 PM
Sample : MB1
Misc : GC3220,GNP276,W,,,,,1
Quant Time: Dec 2 9:39 1996

Vial: 8
Operator: RMS
Inst : GC-NP
Multiplr: 1.00

Method : C:\HPCHEM\5\METHODS\VRX1105.M
Title : 601/602 BY GC-PID AND GC-ELCD
Last Update : Wed Nov 06 08:32:05 1996
Response via : Multiple Level Calibration

Volume Inj. : 5.0 ML PURGE VOLUME

Signal #1 Phase : (ELCD) J+W DBVRX Signal #2 Phase: (PID) J+W DBVRX 75mX
Signal #1 Info : Signal #2 Info :

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
27) S 2-Bromo-1-Chloropropane	22.28	82322487	24.090 PPB
		Recovery =	80.30%
53) S Fluorobenzene	17.84	10742650	26.228 PPB
		Recovery =	87.43%
55) S aaa-Trifluorotoluene #2	20.17	5183508	25.953 PPB
		Recovery =	86.51%

Target Compounds

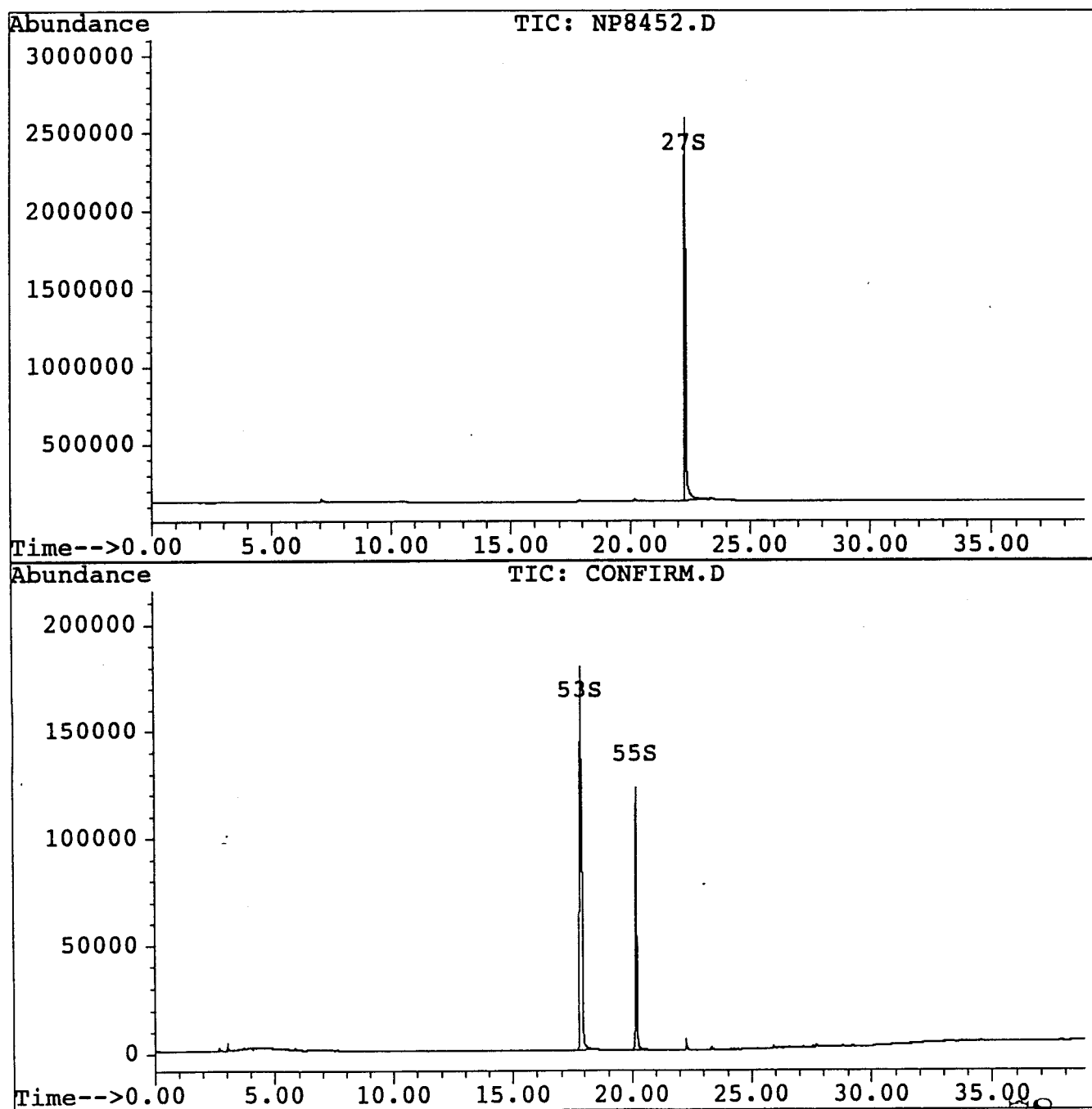
Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\NP8452.D
 Signal #2 : C:\HPCHEM\5\DATA\NP8452.D\CONFIRM.D
 Acq On : 02 Dec 96 03:49 PM
 Sample : MB2
 Misc : GC3221,GNP276,W,,,,,1
 Quant Time: Dec 2 17:10 1996

Vial: 4
 Operator: RMS
 Inst : GC-NP
 Multiplr: 1.00

Method : C:\HPCHEM\5\METHODS\VRX1105.M
 Title : 601/602 BY GC-PID AND GC-ELCD
 Last Update : Wed Nov 06 08:32:05 1996
 Response via : Multiple Level Calibration

Volume Inj. : 5.0 ML PURGE VOLUME
 Signal #1 Phase : (ELCD) J+W DBVRX Signal #2 Phase: (PID) J+W DBVRX 75mX
 Signal #1 Info : Signal #2 Info :



Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\NP8452.D
Signal #2 : C:\HPCHEM\5\DATA\NP8452.D\CONFIRM.D
Acq On : 02 Dec 96 03:49 PM
Sample : MB2
Misc : GC3221,GNP276,W,,,1
Quant Time: Dec 2 17:10 1996

Vial: 4
Operator: RMS
Inst : GC-NP
Multiplr: 1.00

Method : C:\HPCHEM\5\METHODS\VRX1105.M
Title : 601/602 BY GC-PID AND GC-ELCD
Last Update : Wed Nov 06 08:32:05 1996
Response via : Multiple Level Calibration

Volume Inj. : 5.0 ML PURGE VOLUME
Signal #1 Phase : (ELCD) J+W DBVRX Signal #2 Phase: (PID) J+W DBVRX 75mX
Signal #1 Info : Signal #2 Info :

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
27) S 2-Bromo-1-Chloropropane	22.28	92390516	27.037 PPB
		Recovery =	90.12%
53) S Fluorobenzene	17.85	11023984	26.915 PPB
		Recovery =	89.72%
55) S aaa-Trifluorotoluene #2	20.17	5490395	27.489 PPB
		Recovery =	91.63%

Target Compounds

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\NP8444.D
Signal #2 : C:\HPCHEM\5\DATA\NP8444.D\CONFIRM.D
Acq On : 29 Nov 96 02:55 AM
Sample : E16449-3MS, V601STD
Misc : GC3210,GNP276,W,,,1
Quant Time: Dec 2 10:41 1996

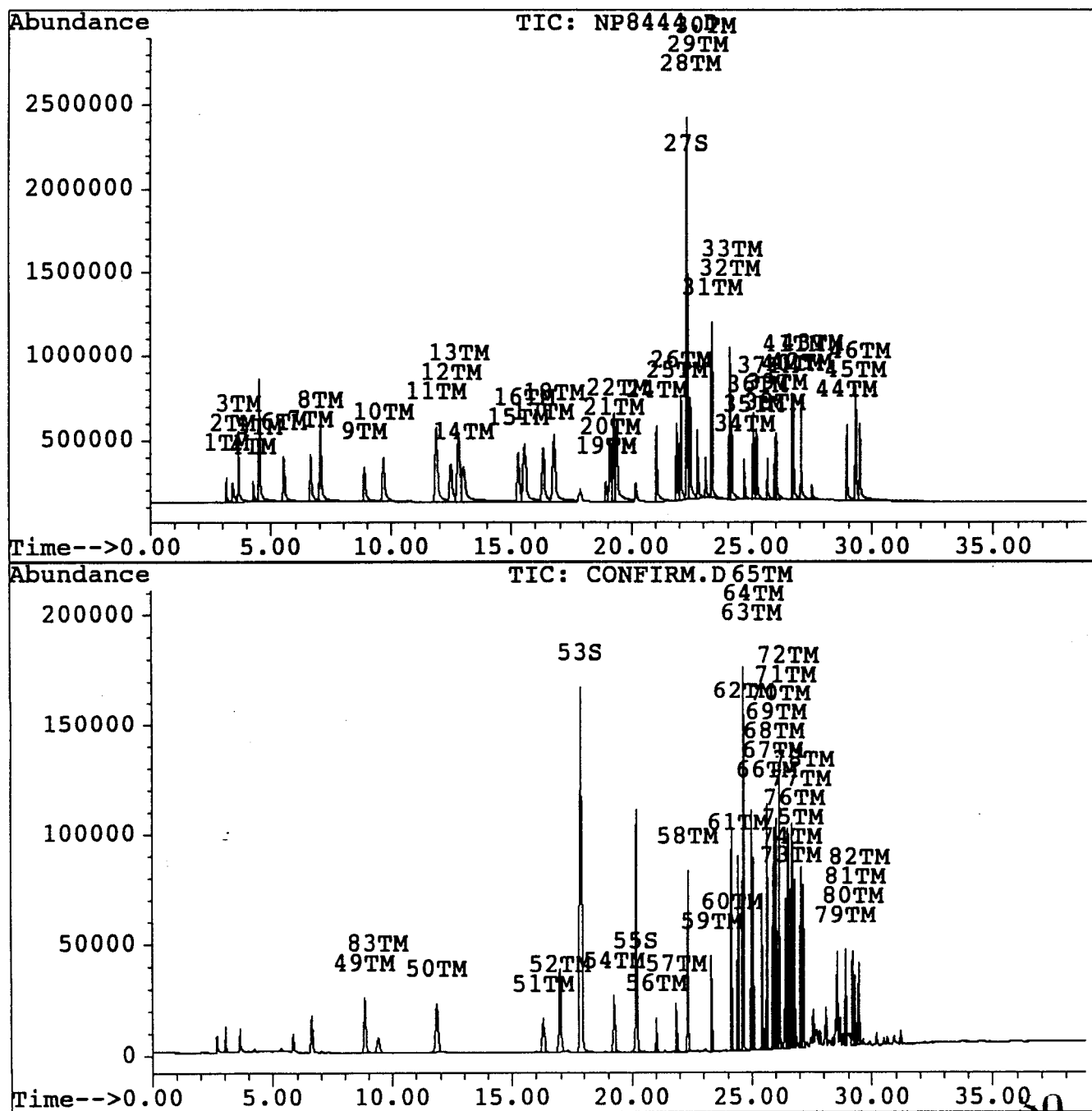
Vial: 15

Operator: RMS
Inst : GC-NP
Multiplr: 1.00

Method : C:\HPCHEM\5\METHODS\VRX1105.M
Title : 601/602 BY GC-PID AND GC-ELCD
Last Update : Wed Nov 06 08:32:05 1996
Response via : Multiple Level Calibration

Volume Inj. : 5.0 ML PURGE VOLUME

Signal #1 Phase : (ELCD) J+W DBVRX Signal #2 Phase: (PID) J+W DBVRX 75mX
Signal #1 Info : Signal #2 Info :



Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\NP8444.D
Signal #2 : C:\HPCHEM\5\DATA\NP8444.D\CONFIRM.D
Acq On : 29 Nov 96 02:55 AM
Sample : E16449-3MS, V601STD
Misc : GC3210,GNP276,W,,,,1
Quant Time: Dec 2 10:41 1996

Vial: 15
Operator: RMS
Inst : GC-NP
Multiplr: 1.00

Method : C:\HPCHEM\5\METHODS\VRX1105.M
Title : 601/602 BY GC-PID AND GC-ELCD
Last Update : Wed Nov 06 08:32:05 1996
Response via : Multiple Level Calibration

Volume Inj. : 5.0 ML PURGE VOLUME
Signal #1 Phase : (ELCD) J+W DBVRX Signal #2 Phase: (PID) J+W DBVRX 75mX
Signal #1 Info : Signal #2 Info :

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
27) S 2-Bromo-1-Chloropropane	22.28	79188455	23.173 PPB
	Recovery	=	77.24%
53) S Fluorobenzene	17.84	10087869	24.629 PPB
	Recovery	=	82.10%
55) S aaa-Trifluorotoluene #2	20.17	4953293	24.800 PPB
	Recovery	=	82.67%
Target Compounds			
1) TM Dichlorodifluoromethane	3.15	4454211	2.698 PPB
2) TM Chloromethane	3.41	6604713	3.501 PPB
3) TM Vinyl Chloride	3.65	12906027	4.328 PPB
4) TM Bromomethane	4.26	4337111	3.645 PPB
5) TM Chloroethane	4.51	28456577	11.020 PPB
6) TM Trichlorofluoromethane	5.53	14599558	4.068 PPB
7) TM 1,1-Dichloroethene	6.64	15227836	3.722 PPB
8) TM Methylene Chloride	7.04	27980202	5.529 PPB
9) TM trans-1,2-Dichloroethene	8.87	14080434	3.481 PPB
10) TM 1,1-Dichloroethane	9.66	21290644	4.430 PPB m
11) TM cis-1,2-Dichloroethene	11.87	36782659	6.160 PPB
12) TM Bromochloromethane	12.48	17677853	3.899 PPB
13) TM Chloroform	12.81	33482549	3.982 PPB
14) TM 2,2-Dichloropropane	13.02	31380467	4.199 PPB
15) TM 1,2-Dichloroethane	15.29	18509588	3.468 PPB
16) TM 1,1,1-Trichloroethane	15.55	34200557	4.194 PPB
17) TM 1,1-Dichloropropene	16.31	23852366	3.791 PPB
18) TM Carbon Tetrachloride	16.76	36801071	3.947 PPB
19) TM Dibromomethane	18.92	5620240	2.046 PPB
20) TM 1,2-Dichloropropane	19.10	22726390	3.728 PPB
21) TM Trichloroethene	19.26	28829839	3.810 PPB
22) TM Bromodichloromethane	19.38	31740963	4.390 PPB
24) TM cis-1,3-Dichloropropene	21.03	18790884	3.404 PPB
25) TM trans-1,3-Dichloropropene	21.87	14114354	3.327 PPB
26) TM 1,1,2-Trichloroethane	22.05	21261939	3.794 PPB
28) TM 1,3-Dichloropropane	22.43	22834368	4.533 PPB
29) TM Dibromochloromethane	22.74	13348859	3.679 PPB
30) TM 1,2-Dibromoethane	23.07	7779840	3.277 PPB

(f)=RT Delta > 1/2 Window

NP8444.D VRX1105.M

Mon Dec 02 12:58:02 1996

(m)=manual int.

RPT1

Page 1

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\NP8444.D
 Signal #2 : C:\HPCHEM\5\DATA\NP8444.D\CONFIRM.D
 Acq On : 29 Nov 96 02:55 AM
 Sample : E16449-3MS, V601STD
 Misc : GC3210,GNP276,W,,,1
 Quant Time: Dec 2 10:41 1996

Vial: 15
 Operator: RMS
 Inst : GC-NP
 Multiplr: 1.00

Method : C:\HPCHEM\5\METHODS\VRX1105.M
 Title : 601/602 BY GC-PID AND GC-ELCD
 Last Update : Wed Nov 06 08:32:05 1996
 Response via : Multiple Level Calibration

Volume Inj. : 5.0 ML PURGE VOLUME
 Signal #1 Phase : (ELCD) J+W DBVRX Signal #2 Phase: (PID) J+W DBVRX 75mX
 Signal #1 Info : Signal #2 Info :

	Compound	R.T.	Response	Conc Units
31)	TM Tetrachloroethene	23.33	29954667	3.958 PPB
32)	TM 1,1,1,2-Tetrachloroethane	24.08	22441625	3.433 PPB
33)	TM Chlorobenzene	24.16	15145401	4.828 PPB
34)	TM Bromoform	24.69	6325537	3.091 PPB
35)	TM 1,1,2,2-Tetrachloroethane	25.06	12509183	3.710 PPB
36)	TM 1,2,3-Trichloropropane	25.20	11931721	3.912 PPB
37)	TM Bromobenzene	25.65	6278907	3.139 PPB
38)	TM 2-Chlorotoluene	25.95	8004513	3.307 PPB
39)	TM 4-Chlorotoluene	26.02	10592498	3.977 PPB
40)	TM 1,3-Dichlorobenzene	26.66	12203180	3.275 PPB
41)	TM 1,4-Dichlorobenzene	26.72	16966880	3.730 PPB
42)	TM 1,2-Dichlorobenzene	27.04	15491653	3.877 PPB
43)	TM 1,2-Dibromomo-3-chloroprop	27.49	2966413	3.343 PPB
44)	TM 1,2,4-Trichlorobenzene	28.91	14206780	3.453 PPB
45)	TM Hexachlorobutadiene	29.29	23275474	3.498 PPB
46)	TM 1,2,3-Trichlorobenzene	29.47	22892750	4.874 PPB
49)	TM trans-1,2-Dichloroethene	8.84	1377613	3.733 PPB
50)	TM cis-1,2-Dichloroethene	11.85	1704643	6.237 PPB
51)	TM 1,1-Dichloropropene	16.29	988584	3.689 PPB
52)	TM Benzene	16.98	2304700	3.763 PPB
54)	TM Trichloroethene	19.24	1311777	3.642 PPB
56)	TM cis-1,3-Dichloropropene	21.01	497752	3.458 PPB
57)	TM trans-1,3-Dichloropropene	21.85	633323	3.491 PPB
58)	TM Toluene	22.32	2423469	4.134 PPB
59)	TM Tetrachloroethene	23.31	1069536	3.621 PPB
60)	TM Chlorobenzene	24.14	2260120	3.722 PPB
61)	TM Ethylbenzene	24.41	1961470	3.698 PPB
62)	TM m,p-Xylene	24.64	4461322	7.361 PPB
63)	TM Styrene	24.98	2272903	3.493 PPB
64)	TM o-Xylene	25.05	1911690	3.677 PPB
65)	TM Isopropylbenzene	25.43	1586381	3.673 PPB
66)	TM Bromobenzene	25.62	2262415	3.595 PPB
67)	TM n-Propylbenzene	25.86	1741232	3.581 PPB
68)	TM 2-Chlorotoluene	25.93	2081528	3.652 PPB
69)	TM 4-Chlorotoluene	26.00	2147124	3.637 PPB
70)	TM 1,3,5-Trimethylbenzene	26.15	2627158	3.613 PPB
71)	TM tert-Butylbenzene	26.39	1552336	3.808 PPB
72)	TM 1,2,4-Trimethylbenzene	26.50	1984576	3.655 PPB

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\NP8444.D
Signal #2 : C:\HPCHEM\5\DATA\NP8444.D\CONFIRM.D
Acq On : 29 Nov 96 02:55 AM
Sample : E16449-3MS, V601STD
Misc : GC3210,GNP276,W,,,,1
Quant Time: Dec 2 10:41 1996

Vial: 15

Operator: RMS
Inst : GC-NP
Multiplr: 1.00

Method : C:\HPCHEM\5\METHODS\VRX1105.M
Title : 601/602 BY GC-PID AND GC-ELCD
Last Update : Wed Nov 06 08:32:05 1996
Response via : Multiple Level Calibration

Volume Inj. : 5.0 ML PURGE VOLUME

Signal #1 Phase : (ELCD) J+W DBVRX Signal #2 Phase: (PID) J+W DBVRX 75mX

Signal #1 Info : Signal #2 Info :

	Compound	R.T.	Response	Conc Units
73)	TM sec-Butylbenzene	26.59	1457495	3.749 PPB
74)	TM 1,3-Dichlorobenzene	26.64	2049199	3.581 PPB
75)	TM 1,4-Dichlorobenzene	26.71	1790708	3.551 PPB
76)	TM p-Isopropyltoluene	26.77	1583963	3.587 PPB
77)	TM 1,2-Dichlorobenzene	27.02	1643924	3.869 PPB
78)	TM n-Butylbenzene	27.14	1579516	3.537 PPB
79)	TM 1,2,4-Trichlorobenzene	28.89	1179826	3.781 PPB
80)	TM Naphthalene	29.20	1158634	4.277 PPB
81)	TM Hexachlorobutadiene	29.27	942281	3.589 PPB
82)	TM 1,2,3-Trichlorobenzene	29.44	1002370	3.422 PPB
83)	TM Methyl tert butyl ether	9.40	556742	3.633 PPB

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\NP8445.D
Signal #2 : C:\HPCHEM\5\DATA\NP8445.D\CONFIRM.D
Acq On : 29 Nov 96 03:43 AM
Sample : E16449-3MSD, V601STD
Misc : GC3210,GNP276,W,,,1
Quant Time: Dec 2 10:44 1996

Vial: 16

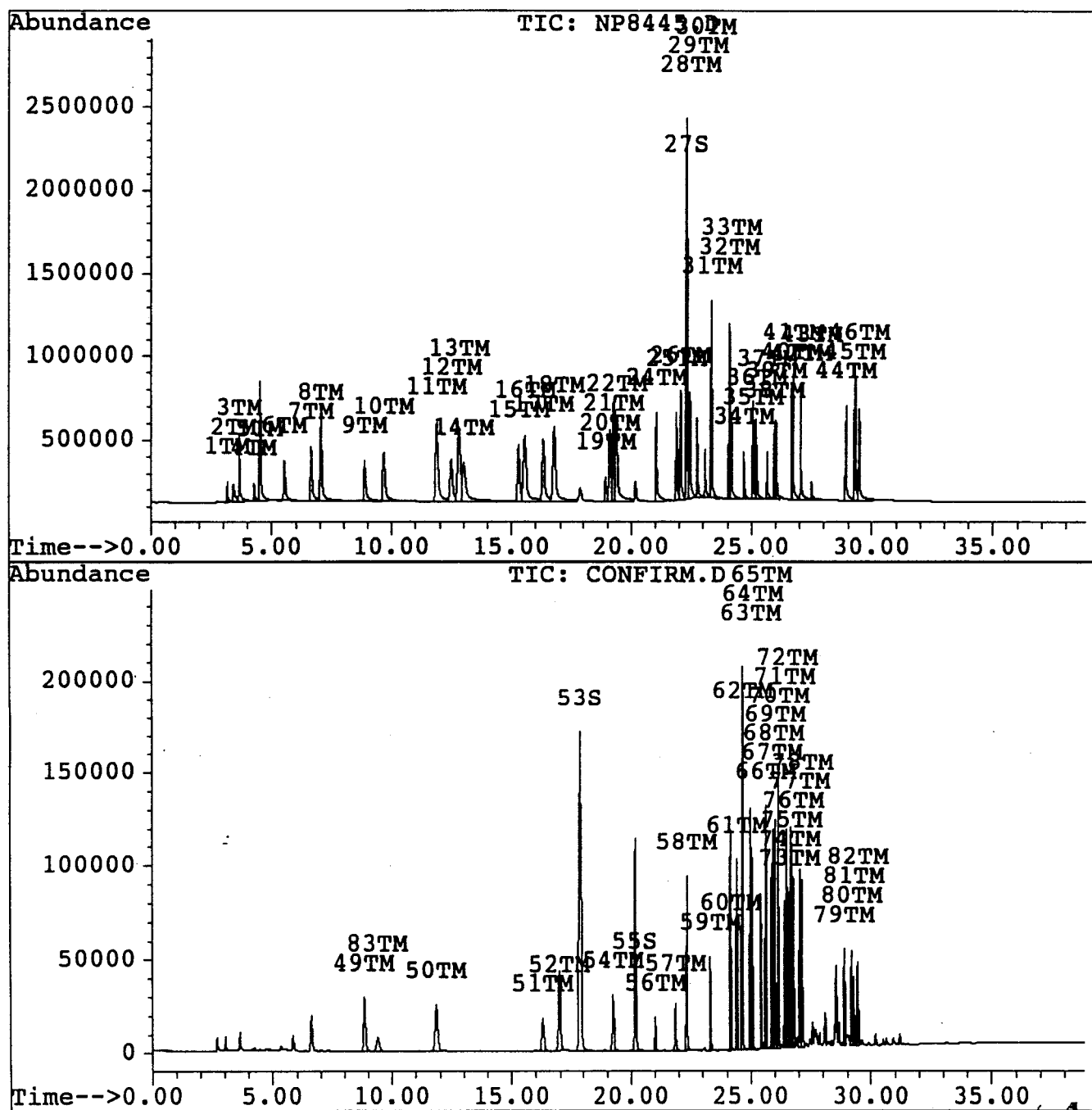
Operator: RMS
Inst : GC-NP
Multiplr: 1.00

Method : C:\HPCHEM\5\METHODS\VRX1105.M
Title : 601/602 BY GC-PID AND GC-ELCD
Last Update : Wed Nov 06 08:32:05 1996
Response via : Multiple Level Calibration

Volume Inj. : 5.0 ML PURGE VOLUME

Signal #1 Phase : (ELCD) J+W DBVRX Signal #2 Phase: (PID) J+W DBVRX 75mX

Signal #1 Info : Signal #2 Info :



Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\NP8445.D
 Signal #2 : C:\HPCHEM\5\DATA\NP8445.D\CONFIRM.D
 Acq On : 29 Nov 96 03:43 AM
 Sample : E16449-3MSD, V601STD
 Misc : GC3210,GNP276,W,,,1
 Quant Time: Dec 2 10:44 1996

Vial: 16

Operator: RMS
 Inst : GC-NP
 Multiplr: 1.00

Method : C:\HPCHEM\5\METHODS\VRX1105.M
 Title : 601/602 BY GC-PID AND GC-ELCD
 Last Update : Wed Nov 06 08:32:05 1996
 Response via : Multiple Level Calibration

Volume Inj. : 5.0 ML PURGE VOLUME

Signal #1 Phase : (ELCD) J+W DBVRX Signal #2 Phase: (PID) J+W DBVRX 75mX
 Signal #1 Info : Signal #2 Info :

Compound	R.T.	Response	Conc Units
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System Monitoring Compounds

27) S	2-Bromo-1-Chloropropane	22.28	79800149	23.352 PPB
			Recovery =	77.84%
53) S	Fluorobenzene	17.85	10316453	25.187 PPB
			Recovery =	83.96%
55) S	aaa-Trifluorotoluene #2	20.17	5069339	25.381 PPB
			Recovery =	84.60%

Target Compounds

1) TM	Dichlorodifluoromethane	3.15	4214393	2.553 PPB	m
2) TM	Chloromethane	3.41	5934313	3.146 PPB	
3) TM	Vinyl Chloride	3.65	12483122	4.186 PPB	
4) TM	Bromomethane	4.27	3904235	3.281 PPB	
5) TM	Chloroethane	4.51	27892601	10.802 PPB	
6) TM	Trichlorofluoromethane	5.53	13435442	3.743 PPB	
7) TM	1,1-Dichloroethene	6.63	17661444	4.317 PPB	
8) TM	Methylene Chloride	7.04	30372561	6.002 PPB	
9) TM	trans-1,2-Dichloroethene	8.87	16658523	4.118 PPB	
10) TM	1,1-Dichloroethane	9.66	22970781	4.780 PPB	m
11) TM	cis-1,2-Dichloroethene	11.87	39177008	6.561 PPB	
12) TM	Bromochloromethane	12.48	19644851	4.333 PPB	
13) TM	Chloroform	12.81	37466888	4.456 PPB	
14) TM	2,2-Dichloropropane	13.01	33848250	4.529 PPB	
15) TM	1,2-Dichloroethane	15.29	21158231	3.964 PPB	
16) TM	1,1,1-Trichloroethane	15.55	37749585	4.629 PPB	
17) TM	1,1-Dichloropropene	16.31	27034981	4.297 PPB	
18) TM	Carbon Tetrachloride	16.76	40522532	4.346 PPB	
19) TM	Dibromomethane	18.92	6662259	2.426 PPB	
20) TM	1,2-Dichloropropane	19.10	25716813	4.219 PPB	
21) TM	Trichloroethene	19.26	33136375	4.379 PPB	
22) TM	Bromodichloromethane	19.39	35414844	4.898 PPB	
24) TM	cis-1,3-Dichloropropene	21.03	21480583	3.892 PPB	
25) TM	trans-1,3-Dichloropropene	21.87	15989883	3.769 PPB	
26) TM	1,1,2-Trichloroethane	22.05	23037481	4.111 PPB	
28) TM	1,3-Dichloropropane	22.43	23921242	4.749 PPB	
29) TM	Dibromochloromethane	22.74	15229592	4.197 PPB	
30) TM	1,2-Dibromoethane	23.07	8969686	3.778 PPB	

(f)=RT Delta > 1/2 Window

NP8445.D VRX1105.M

Mon Dec 02 12:59:36 1996

(m)=manual int

RPT1

Page 1

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\NP8445.D
Signal #2 : C:\HPCHEM\5\DATA\NP8445.D\CONFIRM.D
Acq On : 29 Nov 96 03:43 AM
Sample : E16449-3MSD, V601STD
Misc : GC3210,GNP276,W,,,1
Quant Time: Dec 2 10:44 1996

Vial: 16

Operator: RMS
Inst : GC-NP
Multiplr: 1.00

Method : C:\HPCHEM\5\METHODS\VRX1105.M
Title : 601/602 BY GC-PID AND GC-ELCD
Last Update : Wed Nov 06 08:32:05 1996
Response via : Multiple Level Calibration

Volume Inj. : 5.0 ML PURGE VOLUME

Signal #1 Phase : (ELCD) J+W DBVRX Signal #2 Phase: (PID) J+W DBVRX 75mX

Signal #1 Info : Signal #2 Info :

	Compound	R.T.	Response	Conc Units
31)	TM Tetrachloroethene	23.33	33791538	4.465 PPB
32)	TM 1,1,1,2-Tetrachloroethane	24.08	26163367	4.002 PPB
33)	TM Chlorobenzene	24.16	16702483	5.325 PPB
34)	TM Bromoform	24.69	7443510	3.637 PPB
35)	TM 1,1,2,2-Tetrachloroethane	25.06	14334054	4.251 PPB
36)	TM 1,2,3-Trichloropropane	25.20	13414937	4.399 PPB
37)	TM Bromobenzene	25.65	7222768	3.611 PPB
38)	TM 2-Chlorotoluene	25.95	9449992	3.905 PPB
39)	TM 4-Chlorotoluene	26.02	12273024	4.608 PPB
40)	TM 1,3-Dichlorobenzene	26.66	13517036	3.628 PPB
41)	TM 1,4-Dichlorobenzene	26.73	19676423	4.326 PPB
42)	TM 1,2-Dichlorobenzene	27.04	16988762	4.251 PPB
43)	TM 1,2-Dibromomo-3-chloroprop	27.49	3520657	3.968 PPB
44)	TM 1,2,4-Trichlorobenzene	28.92	17048451	4.144 PPB
45)	TM Hexachlorobutadiene	29.30	26935859	4.049 PPB
46)	TM 1,2,3-Trichlorobenzene	29.47	22532532	4.797 PPB
49)	TM trans-1,2-Dichloroethene	8.84	1588841	4.305 PPB
50)	TM cis-1,2-Dichloroethene	11.85	1876036	6.864 PPB
51)	TM 1,1-Dichloropropene	16.29	1137558	4.244 PPB
52)	TM Benzene	16.98	2623882	4.284 PPB
54)	TM Trichloroethene	19.24	1526473	4.239 PPB
56)	TM cis-1,3-Dichloropropene	21.01	577775	4.014 PPB
57)	TM trans-1,3-Dichloropropene	21.85	732681	4.039 PPB
58)	TM Toluene	22.32	2729504	4.656 PPB
59)	TM Tetrachloroethene	23.31	1228510	4.159 PPB
60)	TM Chlorobenzene	24.14	2604020	4.288 PPB
61)	TM Ethylbenzene	24.41	2256259	4.254 PPB
62)	TM m,p-Xylene	24.64	5132299	8.468 PPB
63)	TM Styrene	24.98	2639826	4.057 PPB
64)	TM o-Xylene	25.05	2205703	4.243 PPB
65)	TM Isopropylbenzene	25.43	1828243	4.233 PPB
66)	TM Bromobenzene	25.62	2619615	4.163 PPB
67)	TM n-Propylbenzene	25.86	2027114	4.169 PPB
68)	TM 2-Chlorotoluene	25.93	2439564	4.280 PPB
69)	TM 4-Chlorotoluene	26.01	2489606	4.217 PPB
70)	TM 1,3,5-Trimethylbenzene	26.15	3043667	4.186 PPB
71)	TM tert-Butylbenzene	26.39	1735579	4.258 PPB
2)	TM 1,2,4-Trimethylbenzene	26.51	2316231	4.266 PPB

(f)=RT Delta > 1/2 Window

(m)=manual int.

NP8445.D VRX1105.M

Mon Dec 02 12:59:44 1996

RPT1

Page 2

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\NP8445.D
Signal #2 : C:\HPCHEM\5\DATA\NP8445.D\CONFIRM.D
Acq On : 29 Nov 96 03:43 AM
Sample : E16449-3MSD, V601STD
Misc : GC3210,GNP276,W,,,1
Quant Time: Dec 2 10:44 1996

Vial: 16

Operator: RMS
Inst : GC-NP
Multiplr: 1.00

Method : C:\HPCHEM\5\METHODS\VRX1105.M
Title : 601/602 BY GC-PID AND GC-ELCD
Last Update : Wed Nov 06 08:32:05 1996
Response via : Multiple Level Calibration

Volume Inj. : 5.0 ML PURGE VOLUME

Signal #1 Phase : (ELCD) J+W DBVRX Signal #2 Phase: (PID) J+W DBVRX 75mX
Signal #1 Info : Signal #2 Info :

	Compound	R.T.	Response	Conc Units
73)	TM sec-Butylbenzene	26.60	1685066	4.334 PPB
74)	TM 1,3-Dichlorobenzene	26.64	2359931	4.125 PPB
75)	TM 1,4-Dichlorobenzene	26.71	2073209	4.111 PPB
76)	TM p-Isopropyltoluene	26.77	1848673	4.187 PPB
77)	TM 1,2-Dichlorobenzene	27.02	1871971	4.406 PPB
78)	TM n-Butylbenzene	27.14	1884120	4.219 PPB
79)	TM 1,2,4-Trichlorobenzene	28.89	1398729	4.482 PPB
80)	TM Naphthalene	29.20	1373166	5.068 PPB
81)	TM Hexachlorobutadiene	29.27	1099203	4.187 PPB
82)	TM 1,2,3-Trichlorobenzene	29.45	1209063	4.127 PPB
83)	TM Methyl tert butyl ether	9.40	627505	4.095 PPB

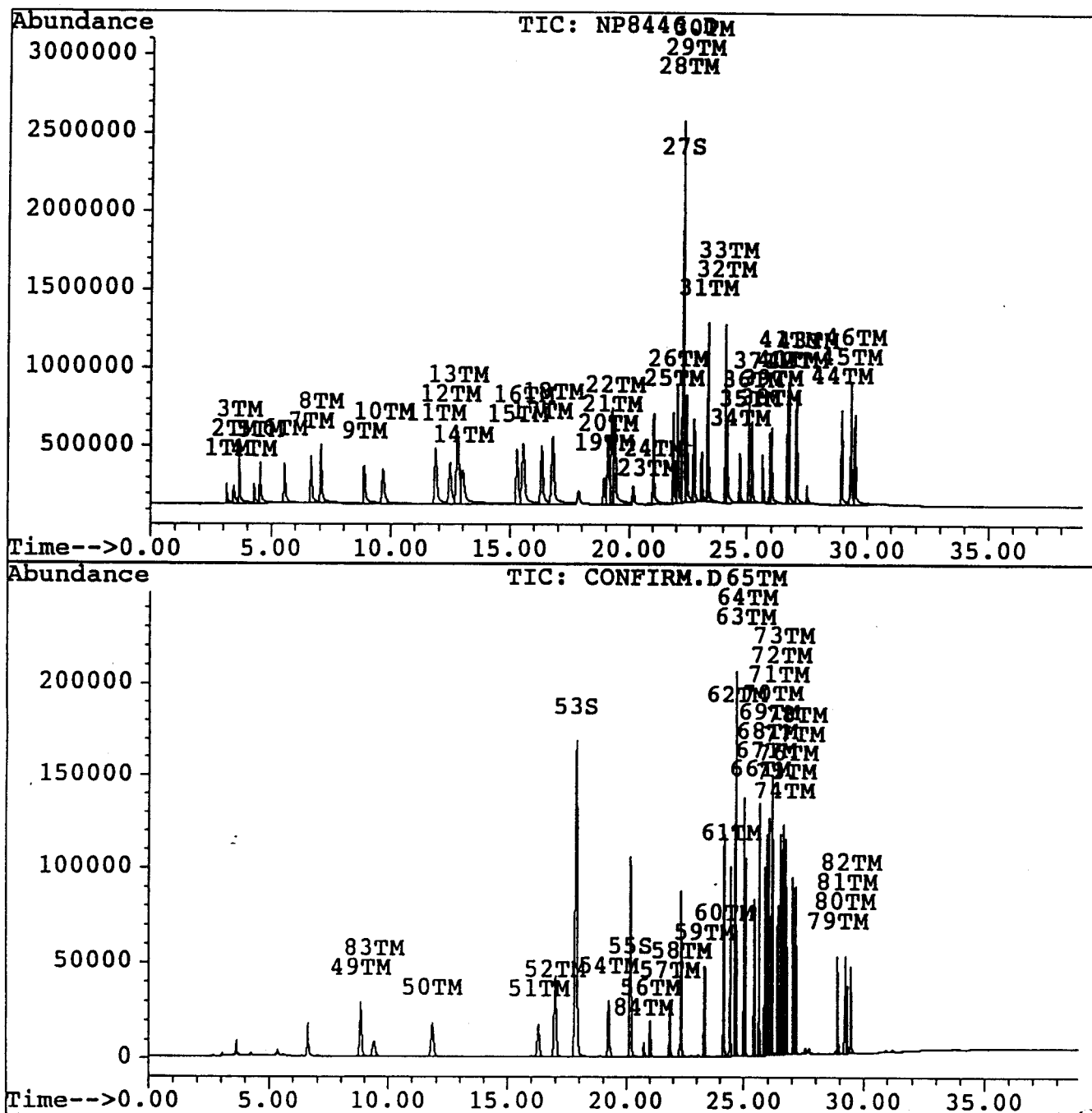
Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\NP8446.D
Signal #2 : C:\HPCHEM\5\DATA\NP8446.D\CONFIRM.D
Acq On : 29 Nov 96 04:30 AM
Sample : BS, V601STD
Misc : GC3210,GNP276,W,,,1
Quant Time: Dec 2 10:24 1996

Vial: 1
Operator: RMS
Inst : GC-NP
Multiplr: 1.00

Method : C:\HPCHEM\5\METHODS\VRX1105.M
Title : 601/602 BY GC-PID AND GC-ELCD
Last Update : Wed Nov 06 08:32:05 1996
Response via : Multiple Level Calibration

Volume Inj. : 5.0 ML PURGE VOLUME
Signal #1 Phase : (ELCD) J+W DBVRX Signal #2 Phase: (PID) J+W DBVRX 75mX
Signal #1 Info : Signal #2 Info :



Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\NP8446.D
Signal #2 : C:\HPCHEM\5\DATA\NP8446.D\CONFIRM.D
Acq On : 29 Nov 96 04:30 AM
Sample : BS, V601STD
Misc : GC3210,GNP276,W,,,1
Quant Time: Dec 2 10:24 1996

Vial: 1
Operator: RMS
Inst : GC-NP
Multiplr: 1.00

Method : C:\HPCHEM\5\METHODS\VRX1105.M
Title : 601/602 BY GC-PID AND GC-ELCD
Last Update : Wed Nov 06 08:32:05 1996
Response via : Multiple Level Calibration

Volume Inj. : 5.0 ML PURGE VOLUME
Signal #1 Phase : (ELCD) J+W DBVRX Signal #2 Phase: (PID) J+W DBVRX 75mX
Signal #1 Info : Signal #2 Info :

Compound		R.T.	Response	Conc Units

System Monitoring Compounds				
27)	S 2-Bromo-1-Chloropropane	22.28	84274146	24.662 PPB
			Recovery =	82.21%
53)	S Fluorobenzene	17.84	10120441	24.709 PPB
			Recovery =	82.36%
55)	S aaa-Trifluorotoluene #2	20.17	4667636	23.370 PPB
			Recovery =	77.90%
Target Compounds				
1)	TM Dichlorodifluoromethane	3.15	4644965	2.814 PPB
2)	TM Chloromethane	3.42	7029210	3.726 PPB
3)	TM Vinyl Chloride	3.65	11716233	3.929 PPB
4)	TM Bromomethane	4.26	4813709	4.046 PPB
5)	TM Chloroethane	4.51	12107994	4.689 PPB
6)	TM Trichlorofluoromethane	5.52	14733241	4.105 PPB
7)	TM 1,1-Dichloroethene	6.63	16773812	4.100 PPB
8)	TM Methylene Chloride	7.04	23700090	4.683 PPB
9)	TM trans-1,2-Dichloroethene	8.87	16611694	4.106 PPB
10)	TM 1,1-Dichloroethane	9.66	19817936	4.123 PPB
11)	TM cis-1,2-Dichloroethene	11.87	29437247	4.930 PPB
12)	TM Bromochloromethane	12.48	20557585	4.534 PPB
13)	TM Chloroform	12.80	38663870	4.599 PPB
14)	TM 2,2-Dichloropropane	13.01	32407677	4.337 PPB
15)	TM 1,2-Dichloroethane	15.29	22123895	4.145 PPB
16)	TM 1,1,1-Trichloroethane	15.55	37448379	4.593 PPB
17)	TM 1,1-Dichloropropene	16.31	26598621	4.227 PPB
18)	TM Carbon Tetrachloride	16.76	40997364	4.397 PPB
19)	TM Dibromomethane	18.91	8112188	2.953 PPB
20)	TM 1,2-Dichloropropane	19.10	26550265	4.356 PPB
21)	TM Trichloroethene	19.26	32718620	4.324 PPB
22)	TM Bromodichloromethane	19.38	36925271	5.107 PPB
23)	TM 2-Chloroethylvinyl ether	20.79	712872	0.800 PPB m
24)	TM cis-1,3-Dichloropropene	21.03	23559741	4.268 PPB
25)	TM trans-1,3-Dichloropropene	21.87	17627580	4.155 PPB
26)	TM 1,1,2-Trichloroethane	22.05	25463388	4.544 PPB
28)	TM 1,3-Dichloropropane	22.43	25922492	5.146 PPB
29)	TM Dibromochloromethane	22.74	16564309	4.565 PPB

(f)=RT Delta > 1/2 Window

NP8446.D VRX1105.M

Mon Dec 02 13:01:10 1996

(m)=manual int

RPT1

Page 1

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\NP8446.D
Signal #2 : C:\HPCHEM\5\DATA\NP8446.D\CONFIRM.D
Acq On : 29 Nov 96 04:30 AM
Sample : BS, V601STD
Misc : GC3210,GNP276,W,,,1
Quant Time: Dec 2 10:24 1996

Vial: 1

Operator: RMS
Inst : GC-NP
Multiplr: 1.00

Method : C:\HPCHEM\5\METHODS\VRX1105.M
Title : 601/602 BY GC-PID AND GC-ELCD
Last Update : Wed Nov 06 08:32:05 1996
Response via : Multiple Level Calibration

Volume Inj. : 5.0 ML PURGE VOLUME

Signal #1 Phase : (ELCD) J+W DBVRX Signal #2 Phase: (PID) J+W DBVRX 75mX
Signal #1 Info : Signal #2 Info :

	Compound	R.T.	Response	Conc Units
30) TM	1,2-Dibromoethane	23.07	10032049	4.226 PPB
31) TM	Tetrachloroethene	23.33	32583453	4.305 PPB
32) TM	1,1,1,2-Tetrachloroethane	24.08	28156363	4.307 PPB
33) TM	Chlorobenzene	24.16	17155928	5.469 PPB
34) TM	Bromoform	24.69	8400040	4.104 PPB
35) TM	1,1,2,2-Tetrachloroethane	25.06	15449304	4.581 PPB
36) TM	1,2,3-Trichloropropane	25.20	14299538	4.689 PPB
37) TM	Bromobenzene	25.65	7879518	3.939 PPB
38) TM	2-Chlorotoluene	25.95	9573195	3.955 PPB
39) TM	4-Chlorotoluene	26.02	12522224	4.701 PPB
40) TM	1,3-Dichlorobenzene	26.66	14388042	3.862 PPB
41) TM	1,4-Dichlorobenzene	26.72	20618279	4.533 PPB
42) TM	1,2-Dichlorobenzene	27.04	18445742	4.616 PPB
43) TM	1,2-Dibromomo-3-chloroprop	27.49	5255445	5.923 PPB
44) TM	1,2,4-Trichlorobenzene	28.92	18002875	4.376 PPB
45) TM	Hexachlorobutadiene	29.29	25843299	3.884 PPB
46) TM	1,2,3-Trichlorobenzene	29.47	23493689	5.002 PPB
49) TM	trans-1,2-Dichloroethene	8.84	1544144	4.184 PPB
50) TM	cis-1,2-Dichloroethene	11.84	1351546	4.945 PPB
51) TM	1,1-Dichloropropene	16.29	1089131	4.064 PPB
52) TM	Benzene	16.98	2602490	4.249 PPB
54) TM	Trichloroethene	19.24	1493359	4.147 PPB
56) TM	cis-1,3-Dichloropropene	21.01	600720	4.173 PPB
57) TM	trans-1,3-Dichloropropene	21.85	774284	4.268 PPB
58) TM	Toluene	22.32	2552569	4.355 PPB
59) TM	Tetrachloroethene	23.31	1150242	3.894 PPB
60) TM	Chlorobenzene	24.14	2579664	4.248 PPB
61) TM	Ethylbenzene	24.41	2203775	4.155 PPB
62) TM	m,p-Xylene	24.64	5008909	8.264 PPB
63) TM	Styrene	24.97	2767736	4.253 PPB
64) TM	o-Xylene	25.04	2213546	4.258 PPB
65) TM	Isopropylbenzene	25.43	1797280	4.161 PPB
66) TM	Bromobenzene	25.62	2714498	4.314 PPB
67) TM	n-Propylbenzene	25.86	1992649	4.098 PPB
68) TM	2-Chlorotoluene	25.93	2344867	4.114 PPB
69) TM	4-Chlorotoluene	26.00	2468373	4.181 PPB
70) TM	1,3,5-Trimethylbenzene	26.15	3003102	4.130 PPB
71) TM	tert-Butylbenzene	26.39	1700552	4.172 PPB

(f)=RT Delta > 1/2 Window

(m)=manual int.

NP8446.D VRX1105.M

Mon Dec 02 13:01:19 1996

RPT1

Page 2

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\NP8446.D
Signal #2 : C:\HPCHEM\5\DATA\NP8446.D\CONFIRM.D
Acq On : 29 Nov 96 04:30 AM
Sample : BS, V601STD
Misc : GC3210,GNP276,W,,,,,1
Quant Time: Dec 2 10:24 1996

Vial: 1
Operator: RMS
Inst : GC-NP
Multiplr: 1.00

Method : C:\HPCHEM\5\METHODS\VRX1105.M
Title : 601/602 BY GC-PID AND GC-ELCD
Last Update : Wed Nov 06 08:32:05 1996
Response via : Multiple Level Calibration

Volume Inj. : 5.0 ML PURGE VOLUME
Signal #1 Phase : (ELCD) J+W DBVRX Signal #2 Phase: (PID) J+W DBVRX 75mX
Signal #1 Info : Signal #2 Info :

	Compound	R.T.	Response	Conc Units
72)	TM 1,2,4-Trimethylbenzene	26.50	2263269	4.168 PPB
73)	TM sec-Butylbenzene	26.59	1604640	4.127 PPB
74)	TM 1,3-Dichlorobenzene	26.64	2411082	4.214 PPB
75)	TM 1,4-Dichlorobenzene	26.71	2128841	4.222 PPB
76)	TM p-Isopropyltoluene	26.77	1790848	4.056 PPB
77)	TM 1,2-Dichlorobenzene	27.02	1798811	4.234 PPB
78)	TM n-Butylbenzene	27.14	1790927	4.010 PPB
79)	TM 1,2,4-Trichlorobenzene	28.89	1296656	4.155 PPB
80)	TM Naphthalene	29.20	1298124	4.791 PPB
81)	TM Hexachlorobutadiene	29.27	1031190	3.928 PPB
82)	TM 1,2,3-Trichlorobenzene	29.45	1239026	4.229 PPB
83)	TM Methyl tert butyl ether	9.40	686206	4.478 PPB
84)	TM 2-Chloroethylvinyl ether	20.74	248434	2.573 PPB

Batch ID: GNP256

Daily Saved File

Method: VRX1029.M/VRX105.M
Seq. file: NEWS.S
Analyst: RMS
Team Leader:

IS = Internal standard Area L+ = Library search
SU = Surrogate recoveries

Standards Data

Daily Saved File

Lot #	Description	Conc.
GCV264	SCZ1 SUPR	30 ppm
GCV265	GASES	10 ppm
GCV266	MIX	10 ppm
GCV263	TBA	1000 ppm

Tune file 1: _____
Tune file 2: _____
Initial Cal: _____
ID file: _____
Tape ID: _____

Method: VRX1105.M
Seq. file: NOV6.S
Analyst: RMS
Team Leader: _____

[illegible]

Date:

Batch

S LOG
Batch ID: GNP 275 GNP 276

Standards Data

Daily Saved File

Lot #	Description	Conc.
GEU	1021 JURA	30 ppm
XL	G-555	10 ppm
GC	PRILIG. MIX	10 ppm
GC	T-3A	100 ppm

Tune file 1: _____
Tune file 2: _____
Initial Cal: _____
ID file: _____
Tape ID: _____
 :

Method: VK 1105.11
Seq. file: NOV29.5
Analyst: W.G.
Team Leader: _____

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MTX = Matrix : Designate W for water, S for soil, O for oil.
Sample amt. is reported in grams (wet) for soil and oil, mLs for water.

IS = Internal standard Area
SU = Surrogate recoveries

L+ = Library search

12/2/96

VOLATILE ORGANICS BY GC/MS ANALYSIS LOG

S LOG
Batch ID: GNP275 GNP276

Standards Data

Daily Saved File

Lot #	Description	Conc.
20 271	50% SUBR	20 ppm
20 266	MIX	10
20 272	CASES	10

```
Tune file 1: _____
Tune file 2: _____
Initial Cal: _____
ID file: _____
Tape ID: _____
          :
```

Method: VRX105. M.

Seq.file: DEC02.5

Analyst: WILLIAM C-

Team Leader:

[illegible]

NTX = Matrix : Designate W for water, S for soil, O for oil.

IS = Internal standard Area

L+ = Library search