Road Transportable Analytical Laboratory (RTAL) System Volume II, Appendices A and B

Final Report

by
**Stanley M. Finger
J. Carlos De Avila
Virgil F. Keith**

August 1996

Work Performed Under Contract No.: DE-AC21-92MC29109

U.S. Department of Energy
Office of Environmental Management
Office of Technology Development
Washington, DC

for

U.S. Department of Energy
Office of Fossil Energy
Morgantown Energy Technology Center
Morgantown, West Virginia

by
Engineering Computer Optecnomics (ECO), Inc.
Annapolis, Maryland

MASTER

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1356 Cape St., Claire Center
Annapolis, Maryland 21401**

APPENDIX A
AQUEOUS SAMPLE VOA REPORT

2A
WATER VOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: ECO Contract: N/A
 Lab Code: RTAL Case No.: N/A SAS No.: N/A SDG No.: SDG 1

	EPA SAMPLE NO.	SMC1 #	SMC2 #	SMC3 (BFB) #	TOT OUT
01	VBLK01	99	100	97	0
02	VOATEST01	95	101	98	0
03	VOATEST02	95	101	98	0
04	VOATEST04	97	100	97	0
05	VOATEST05	95	102	99	0
06	VOATEST06	97	101	97	0
07	VOATEST07	100	101	97	0
08	VOATEST03	103	103	99	0
09	VOATEST03M	101	104	100	0
10	VOATEST03M	98	102	99	0

		QC LIMITS
SMC1	= dibromofluoromethane	(86-118)
SMC2	= toluene-d8	(88-110)
SMC3 (BFB)	= 4-bromofluorobenzene	(86-115)

Column to be used to flag recovery values
 *Values outside of contract required QC limits
 D System Monitoring Compound diluted out

WATER VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: ECO Contract: N/A
 Lab Code: RTAL Case No.: N/A SAS No.: N/A SDG No.: SDG 1
 Matrix Spike - EPA Sample No.: VOATEST03

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC #	QC LIMITS REC.
1,1-dichloroethene	50	67	120	112	61 - 145
benzene	50	16	68	104	76 - 127
trichloroethene	50	44	96	104	71 - 120
toluene	50	35	88	106	76 - 125
chlorobenzene	50	23	74	102	75 - 130

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC #	% RPD #	QC LIMITS	
					RPD	REC.
1,1-dichloroethene	50	120	106	0	14	61 - 145
benzene	50	66	100	4	11	76 - 127
trichloroethene	50	94	100	4	14	71 - 120
toluene	50	85	100	6	13	76 - 125
chlorobenzene	50	74	102	0	13	75 - 130

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 0 out of 5 outside limits

Spike Recovery: 0 out of 10 outside limits

COMMENTS: _____

4A
VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VBLK01

Lab Name: ECO Contract: N/A
Lab Code: RTAL Case No.: N/A SAS No.: N/A SDG No.: SDG 1
Lab File ID: V0050.D Lab Sample ID: VBLK01
Date Analyzed: 01/15/96 Time Analyzed: 09:38
GC Column: HP-VOC ID: 0.53 (mm) Heated Purge: (Y/N) N
Instrument ID: 5972 A

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

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	VOATEST01	ECO-001-1A	V0051.D	10:27
02	VOATEST02	ECO-001-2A	V0052.D	11:00
03	VOATEST04	ECO-001-4A	V0053.D	11:32
04	VOATEST05	ECO-001-5A	V0054.D	12:09
05	VOATEST06	ECO-001-6A	V0055.D	12:42
06	VOATEST07	ECO-001-7A	V0056.D	13:19
07	VOATEST03	ECO-001-3A	V0057.D	13:55
08	VOATEST03MS	ECO-001-3AMS	V0058.D	14:32
09	VOATEST03MSD	ECO-001-3AMSD	V0059.D	15:10

COMMENTS

5A
VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: ECO Contract: N/A
 Lab Code: RTAL Case No.: N/A SAS No.: N/A SDG No.: SDG 1
 Lab File ID: V0047.D BFB Injection Date: 01/15/96
 Instrument ID: 5972 A BFB Injection Time: 07:50
 GC Column: HP-VOC ID: 0.53 (mm) Heated Purge: (Y/N) N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	8.0 - 40.0% of mass 95	18.1
75	30.0 - 66.0% of mass 95	44.3
95	Base peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	6.9
173	Less than 2.0% of mass 174	0.0 (0.0)1
174	50.0 - 120.0% of mass 95	83.7
175	4.0 - 9.0% of mass 174	6.3 (7.5)1
176	93.0 - 101.0% of mass 174	80.9 (96.6)1
177	5.0 - 9.0% of mass 176	5.7 (7.1)2

1-Value is % mass 174

2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	VSTD50	VSTD50	V0049.D	01/15/96	09:02
02	VBLK01	VBLK01	V0050.D	01/15/96	09:38
03	VOATEST01	ECO-001-1A	V0051.D	01/15/96	10:27
04	VOATEST02	ECO-001-2A	V0052.D	01/15/96	11:00
05	VOATEST04	ECO-001-4A	V0053.D	01/15/96	11:32
06	VOATEST05	ECO-001-5A	V0054.D	01/15/96	12:09
07	VOATEST06	ECO-001-6A	V0055.D	01/15/96	12:42
08	VOATEST07	ECO-001-7A	V0056.D	01/15/96	13:19
09	VOATEST03	ECO-001-3A	V0057.D	01/15/96	13:55
10	VOATEST03MS	ECO-001-3AMS	V0058.D	01/15/96	14:32
11	VOATEST03MSD	ECO-001-3AMSD	V0059.D	01/15/96	15:10

5A
VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: ECO Contract: N/A
 Lab Code: RTAL Case No.: N/A SAS No.: N/A SDG No.: SDG 1
 Lab File ID: V0039.D BFB Injection Date: 01/12/96
 Instrument ID: 5972 A BFB Injection Time: 11:30
 GC Column: HP-VOC ID: 0.53 (mm) Heated Purge: (Y/N) N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	8.0 - 40.0% of mass 95	19.4
75	30.0 - 66.0% of mass 95	45.9
95	Base peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	7.1
173	Less than 2.0% of mass 174	0.0 (0.0)1
174	50.0 - 120.0% of mass 95	67.5
175	4.0 - 9.0% of mass 174	4.9 (7.3)1
176	93.0 - 101.0% of mass 174	65.3 (96.7)1
177	5.0 - 9.0% of mass 176	4.5 (6.9)2

1-Value is % mass 174

2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	VSTD20	VSTD20, 20PPB	V0040.D	01/12/96	11:48
02	VSTD50	VSTD50, 50PPB	V0041.D	01/12/96	12:22
03	VSTD100	VSTD100, 100PPB	V0042.D	01/12/96	12:58
04	VSTD150	VSTD150, 150PPB	V0043.D	01/12/96	14:23
05	VSTD200	VSTD200, 200PPB	V0044.D	01/12/96	14:58

8A
VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: ECO Contract: N/A
 Lab Code: RTAL Case No.: N/A SAS No.: N/A SDG No.: SDG 1
 Lab File ID (Standard): V0049.D Date Analyzed: 01/15/96
 Instrument ID: 5972 A Time Analyzed: 09:02
 GC Column: HP-VOC ID: 0.53 (mm) Heated Purge (Y/N): Y

	IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
12 HOUR STD	986380	9.32	1064368	10.70	846422	15.69
UPPER LIMIT	1972760	8.82	2128736	10.20	1692844	15.19
LOWER LIMIT	493190	9.82	532184	11.20	423211	16.19
EPA SAMPLE NO.						
01 VBLK01	1036357	9.32	1110999	10.70	898292	15.70
02 VOATEST01	1062462	9.34	1114006	10.71	880867	15.70
03 VOATEST02	1033583	9.34	1092503	10.72	861130	15.71
04 VOATEST04	1007395	9.34	1063353	10.71	840841	15.71
05 VOATEST05	979259	9.32	1045859	10.70	839977	15.70
06 VOATEST06	974588	9.35	1029455	10.71	804656	15.71
07 VOATEST07	1003840	9.34	1060559	10.70	847680	15.71
08 VOATEST03	941698	9.34	1008276	10.70	802816	15.71
09 VOATEST03M	935989	9.32	992607	10.70	808443	15.70
10 VOATEST03M	942990	9.32	991332	10.70	782039	15.71

IS1 = pentafluorobenzene
 IS2 = 1,4-difluorobenzene
 IS3 = Chlorobenzene-d5
 IS4 = 1,4-dichlorobenzene-d4

AREA UPPER LIMIT = +100% of internal standard area
 AREA LOWER LIMIT = - 50% of internal standard area
 RT UPPER LIMIT = +0.50 minutes of internal standard RT
 RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column to be used to flag values outside QC limit with an asterisk.
 * Values outside of contract required QC limits

8A
VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: ECO Contract: N/A
 Lab Code: RTAL Case No.: N/A SAS No.: N/A SDG No.: SDG 1
 Lab File ID (Standard): V0049.D Date Analyzed: 01/15/96
 Instrument ID: 5972 A Time Analyzed: 09:02
 GC Column: HP-VOC ID: 0.53 (mm) Heated Purge (Y/N): Y

	IS4					
	AREA #	RT #	AREA #	RT #	AREA #	RT #
12 HOUR STD	533606	19.95				
UPPER LIMIT	1067212	19.45				
LOWER LIMIT	266803	20.45				
EPA SAMPLE NO.						
01 VBLK01	572888	19.95				
02 VOATEST01	549914	19.95				
03 VOATEST02	547038	19.95				
04 VOATEST04	534589	19.95				
05 VOATEST05	536370	19.95				
06 VOATEST06	522222	19.95				
07 VOATEST07	548517	19.95				
08 VOATEST03	513000	19.95				
09 VOATEST03M	505231	19.95				
10 VOATEST03M	490593	19.95				

IS1 = pentafluorobenzene
 IS2 = 1,4-difluorobenzene
 IS3 = Chlorobenzene-d5
 IS4 = 1,4-dichlorobenzene-d4

AREA UPPER LIMIT = +100% of internal standard area
 AREA LOWER LIMIT = - 50% of internal standard area
 RT UPPER LIMIT = +0.50 minutes of internal standard RT
 RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column to be used to flag values outside QC limit with an asterisk.

*Values outside of contract required QC limits

Quantitation Report

Data File : C:\HPCHEM\1\DATA\JAN1595\V0051.D
Acq On : 15 Jan 96 10:27 am
Sample : ECO-001-1A
Misc : VOATEST01,W,5,8260
Quant Time: Jan 15 11:18 1996

Vial: 4
Operator: WF
Inst : 5972 - In
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\8260W.M
Title : SW-846 Method 8260 For Waters
Last Update : Mon Jan 15 09:34:17 1996
Response via : Multiple Level Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev (Min)
1) pentafluorobenzene	9.34	168	1062462	50.00	ug/L	0.02
20) 1,4-difluorobenzene	10.71	114	1114006	50.00	ug/L	0.02
35) Chlorobenzene-d5	15.70	117	880867	50.00	ug/L	0.00
49) 1,4-dichlorobenzene-d4	19.95	152	549914	50.00	ug/L	0.00

System Monitoring Compounds					%Recovery
18) dibromofluoromethane	9.15	113	460633	47.55 ug/L	95.10%
31) toluene-d8	13.27	98	1060884	50.27 ug/L	100.54%
51) 4-bromofluorobenzene	17.79	95	649146	48.92 ug/L	97.84%

Target Compounds					Qvalue
9) 1,1-dichloroethene	6.02	96	505437	77.72 ug/L	# 86
10) methylene chloride	6.52	84	711401	105.12 ug/L	93
17) chloroform	8.90	83	1262194	99.73 ug/L	99
19) 1,1,1-trichloroethane	9.71	97	1041297	87.42 ug/L	98
22) carbon tetrachloride	10.20	117	479119	57.66 ug/L	99
24) benzene	10.26	78	366963	17.52 ug/L	99
25) 1,2-dichloroethane	9.99	62	783739	99.82 ug/L	95
26) trichloroethene	11.33	95	416677	48.79 ug/L	96
29) bromodichloromethane	11.72	83	1085793	101.85 ug/L	99
32) toluene	13.39	92	533629	37.56 ug/L	97
36) 4-Methyl-2-pentanone	12.48	43	467398	69.92 ug/L	97
38) tetrachloroethene	14.61	166	579313	57.17 ug/L	99
40) dibromochloromethane	14.46	129	792796	92.05 ug/L	99
42) chlorobenzene	15.76	112	429092	24.78 ug/L	96
43) 1,1,1,2-tetrachloroethane	15.82	131	645840	85.36 ug/L	98
44) ethylbenzene	16.01	91	2941094	99.01 ug/L	98
45) m,p-xylene	16.19	106	730240	64.55 ug/L	96
46) o-xylene	16.89	106	1918215	175.06 ug/L	94
48) bromoform	17.07	173	814599	134.43 ug/L	100
62) 1,3-dichlorobenzene	19.84	146	2470056	148.37 ug/L	98
64) 1,4-dichlorobenzene	20.00	146	774881	45.67 ug/L	98
65) 1,2-dichlorobenzene	20.62	146	579603	37.24 ug/L	98

WF 1/15/96
(4.0) 1/15/96

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

Quantitation Report

Data File : C:\HPCHEM\1\DATA\JAN1595\V0051.D
 Acq On : 15 Jan 96 10:27 am
 Sample : ECO-001-1A
 Misc : VOATEST01,W,5,8260
 Quant Time: Jan 15 11:18 1996

Vial: 4
 Operator: WF
 Inst : 5972 - In
 Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\8260W.M
 Title : SW-846 Method 8260 For Waters
 Last Update : Mon Jan 15 09:34:17 1996
 Response via : Multiple Level Calibration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\JAN1595\V0051.D
 Acq On : 15 Jan 96 10:27 am
 Sample : ECO-001-1A
 Misc : VOATEST01,W,5,8260
 Quant Time: Jan 15 11:18 1996

Vial: 4
 Operator: WF
 Inst : 5972 - In
 Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\8260W.M
 Title : SW-846 Method 8260 For Waters
 Last Update : Mon Jan 15 09:34:17 1996
 Response via : Multiple Level Calibration

AbundanceScan 356 (6.047 min): V0010.D (-,*

#9

1,1-dichloroethene

Concen: 77.72 ug/L

RT: 6.02 min Scan# 181

Delta R.T. 0.03 min

Lab File: V0051.D

Acq: 15 Jan 96 10:27 am

Tgt Ion:96 Resp: 505437

Ion Ratio Lower Upper

96	100		
61	172.5	175.6	215.6#
63	56.7	44.1	84.1
0	0.0	0.0	0.0

Abundance Scan 181 (6.024 min): V0051.D (*)

Abundance Ion 96.00 (95.
Ion 61.00 (60.
200000 Ion 63.00 (62.

AbundanceScan 181 (6.024 min): V0051.D (-,*

AbundanceScan 389 (6.558 min): V0010.D (-,*

#10

methylene chloride

Concen: 105.12 ug/L

RT: 6.52 min Scan# 213

Delta R.T. 0.02 min

Lab File: V0051.D

Acq: 15 Jan 96 10:27 am

Tgt Ion:84 Resp: 711401

Ion Ratio Lower Upper

84	100		
86	64.7	45.8	85.8
49	141.3	132.9	172.9
0	0.0	0.0	0.0

Abundance Scan 213 (6.519 min): V0051.D (*)

Abundance Ion 84.00 (83.
Ion 86.00 (85.
Ion 49.00 (48.

AbundanceScan 213 (6.519 min): V0051.D (-,*

AbundanceScan 543 (8.941 min): V0010.D (-,*

#17
chloroform
Concen: 99.73 ug/L
RT: 8.90 min Scan# 367
Delta R.T. 0.02 min
Lab File: V0051.D
Acq: 15 Jan 96 10:27 am

Tgt Ion:83	Resp: 1262194		
Ion	Ratio	Lower	Upper
83	100		
85	66.3	45.9	85.9
0	0.0	0.0	0.0
0	0.0	0.0	0.0

Abundance Scan 367 (8.903 min): V0051.D (*)

Abundance Ion 83.00 (82.300000)
Ion 85.00 (84.300000)

AbundanceScan 367 (8.903 min): V0051.D (-,*

AbundanceScan 595 (9.746 min): V0010.D (-,*

#19
1,1,1-trichloroethane
Concen: 87.42 ug/L
RT: 9.71 min Scan# 419
Delta R.T. 0.00 min
Lab File: V0051.D
Acq: 15 Jan 96 10:27 am

Tgt Ion:97	Resp: 1041297		
Ion	Ratio	Lower	Upper
97	100		
99	65.6	44.3	84.3
61	49.9	31.6	71.6
0	0.0	0.0	0.0

Abundance Scan 419 (9.707 min): V0051.D (*)

Abundance Ion 97.00 (96.300000)
Ion 99.00 (98.300000)
Ion 61.00 (60.300000)

AbundanceScan 419 (9.707 min): V0051.D (-,*

AbundanceScan 626 (10.226 min): V0010.D (-,

#22
carbon tetrachloride
Concen: 57.66 ug/L
RT: 10.20 min Scan# 451
Delta R.T. 0.02 min
Lab File: V0051.D
Acq: 15 Jan 96 10:27 am

Tgt	Ion:117	Resp:	479119
Ion	Ratio	Lower	Upper
117	100		
119	98.4	77.4	117.4
0	0.0	0.0	0.0
0	0.0	0.0	0.0

AbundanceScan 451 (10.203 min): V0051.D (*)

AbundanceIon 117.00 (116
100000 Ion 119.00 (118
10.20

AbundanceScan 451 (10.203 min): V0051.D (-,

AbundanceScan 631 (10.303 min): V0010.D (-,

#24
benzene
Concen: 17.52 ug/L
RT: 10.26 min Scan# 455
Delta R.T. 0.02 min
Lab File: V0051.D
Acq: 15 Jan 96 10:27 am

Tgt	Ion:78	Resp:	366963
Ion	Ratio	Lower	Upper
78	100		
77	24.0	4.3	44.3
0	0.0	0.0	0.0
0	0.0	0.0	0.0

AbundanceScan 455 (10.265 min): V0051.D (*)

AbundanceIon 78.00 (77.
80000 Ion 77.00 (76.
10.26

AbundanceScan 455 (10.265 min): V0051.D (-,

#25
1,2-dichloroethane
Concen: 99.82 ug/L
RT: 9.99 min Scan# 437
Delta R.T. 0.00 min
Lab File: V0051.D
Acq: 15 Jan 96 10:27 am

Tgt Ion:	62	Resp:	783739
Ion Ratio	Lower	Upper	
62	100		
98	10.7	0.0	29.0
0	0.0	0.0	0.0
0	0.0	0.0	0.0

#26
trichloroethene
Concen: 48.79 ug/L
RT: 11.33 min Scan# 524
Delta R.T. 0.00 min
Lab File: V0051.D
Acq: 15 Jan 96 10:27 am

Tgt Ion:	95	Resp:	416677
Ion Ratio	Lower	Upper	
95	100		
130	106.2	82.4	122.4
132	102.3	79.0	119.0
0	0.0	0.0	0.0

AbundanceScan 724 (11.742 min): V0010.D (-,

#29

bromodichloromethane

Concen: 101.85 ug/L

RT: 11.72 min Scan# 549

Delta R.T. 0.02 min

Lab File: V0051.D

Acq: 15 Jan 96 10:27 am

Tgt Ion:83 Resp: 1085793

Ion	Ratio	Lower	Upper
83	100		
85	65.2	44.1	84.1
127	8.8	0.0	28.0
0	0.0	0.0	0.0

AbundanceScan 549 (11.719 min): V0051.D (*)

AbundanceIon 83.00 (82.

300000 Ion 85.00 (84.

Ion 127.00 (126

11.72

200000

100000

0

Time-->11.43

12.02

AbundanceScan 549 (11.719 min): V0051.D (-,

m/z-->

AbundanceScan 833 (13.429 min): V0010.D (-,

m/z-->

#32

toluene

Concen: 37.56 ug/L

RT: 13.39 min Scan# 657

Delta R.T. 0.00 min

Lab File: V0051.D

Acq: 15 Jan 96 10:27 am

Tgt Ion:92 Resp: 533629

Ion	Ratio	Lower	Upper
92	100		
91	163.4	147.6	187.6
0	0.0	0.0	0.0
0	0.0	0.0	0.0

AbundanceScan 657 (13.391 min): V0051.D (*)

m/z-->

AbundanceIon 92.00 (91.

Ion 91.00 (90.

200000

150000

100000

50000

0

Time-->13.17

13.60

AbundanceScan 657 (13.391 min): V0051.D (-,

m/z-->

AbundanceScan 774 (12.516 min): V0010.D (*)

#36

4-Methyl-2-pentanone

Concen: 69.92 ug/L

RT: 12.48 min Scan# 598

Delta R.T. 0.00 min

Lab File: V0051.D

Acq: 15 Jan 96 10:27 am

Tgt Ion:43 Resp: 467398

Ion Ratio Lower Upper

43 100

58 35.9 14.4 54.4

0 0.0 0.0 0.0

0 0.0 0.0 0.0

AbundanceScan 598 (12.478 min): V0051.D (*)

AbundanceIon 43.00 (42.

Ion 58.00 (57.

12.48

100000

50000

0

Time-->12.18 12.80

AbundanceScan 598 (12.478 min): V0051.D (-,

AbundanceScan 912 (14.652 min): V0010.D (-,

#38

tetrachloroethene

Concen: 57.17 ug/L

RT: 14.61 min Scan# 736

Delta R.T. 0.02 min

Lab File: V0051.D

Acq: 15 Jan 96 10:27 am

Tgt Ion:166 Resp: 579313

Ion Ratio Lower Upper

166 100

168 48.9 28.4 68.4

129 71.0 51.9 91.9

0 0.0 0.0 0.0

AbundanceScan 736 (14.613 min): V0051.D (*)

AbundanceIon 166.00 (165

Ion 168.00 (167

Ion 129.00 (128

200000

100000

0

Time-->14.37 14.83

AbundanceScan 736 (14.613 min): V0051.D (-,

#40
dibromochloromethane
Concen: 92.05 ug/L
RT: 14.46 min Scan# 726
Delta R.T. 0.00 min
Lab File: V0051.D
Acq: 15 Jan 96 10:27 am

Tgt Ion:	129	Resp:	792796
Ion	Ratio	Lower	Upper
129	100		
127	76.3	56.8	96.8
0	0.0	0.0	0.0
0	0.0	0.0	0.0

#42
chlorobenzene
Concen: 24.78 ug/L
RT: 15.76 min Scan# 810
Delta R.T. -0.00 min
Lab File: V0051.D
Acq: 15 Jan 96 10:27 am

Tgt Ion:	112	Resp:	429092
Ion	Ratio	Lower	Upper
112	100		
77	62.1	46.9	86.9
114	32.7	12.8	52.8
0	0.0	0.0	0.0

AbundanceScan 990 (15.859 min): V0010.D (-,

AbundanceScan 814 (15.820 min): V0051.D (*)

AbundanceScan 814 (15.820 min): V0051.D (-,

#43

1,1,1,2-tetrachloroethane
Concen: 85.36 ug/L
RT: 15.82 min Scan# 814
Delta R.T. 0.00 min
Lab File: V0051.D
Acq: 15 Jan 96 10:27 am

Tgt Ion:	131	Resp:	645840
Ion	Ratio	Lower	Upper
131	100		
133	97.2	76.2	116.2
119	68.7	46.8	86.8
0	0.0	0.0	0.0

AbundanceIon 131.00 (130

Ion 133.00 (132

Ion 119.00 (118

AbundanceScan 1002 (16.045 min): V0010.D (-

AbundanceScan 826 (16.006 min): V0051.D (*)

AbundanceScan 826 (16.006 min): V0051.D (-,

#44

ethylbenzene
Concen: 99.01 ug/L
RT: 16.01 min Scan# 826
Delta R.T. 0.00 min
Lab File: V0051.D
Acq: 15 Jan 96 10:27 am

Tgt Ion:	91	Resp:	2941094
Ion	Ratio	Lower	Upper
91	100		
106	30.8	9.7	49.7
0	0.0	0.0	0.0
0	0.0	0.0	0.0

AbundanceIon 91.00 (90.

Ion 106.00 (105

16.01

#45
m,p-xylene
Concen: 64.55 ug/L
RT: 16.19 min Scan# 838
Delta R.T. 0.00 min
Lab File: V0051.D
Acq: 15 Jan 96 10:27 am

Tgt Ion:106	Resp:	730240
Ion Ratio	Lower	Upper
106 100		
91 199.9	186.8	226.8
0 0.0	0.0	0.0
0 0.0	0.0	0.0

AbundanceIon 106.00 (105
Ion 91.00 (90.

#46
o-xylene
Concen: 175.06 ug/L
RT: 16.89 min Scan# 883
Delta R.T. 0.00 min
Lab File: V0051.D
Acq: 15 Jan 96 10:27 am

Tgt Ion:106	Resp:	1918215
Ion Ratio	Lower	Upper
106 100		
91 212.3	202.7	242.7
0 0.0	0.0	0.0
0 0.0	0.0	0.0

AbundanceIon 106.00 (105
Ion 91.00 (90.

#48
bromoform
Concen: 134.43 ug/L
RT: 17.07 min Scan# 895
Delta R.T. 0.00 min
Lab File: V0051.D
Acq: 15 Jan 96 10:27 am

Tgt Ion:173	Resp:	814599
Ion Ratio	Lower	Upper
173 100		
175 49.6	29.6	69.6
0 0.0	0.0	0.0
0 0.0	0.0	0.0

AbundanceIon 173.00 (172
Ion 175.00 (174
17.07

#62
1,3-dichlorobenzene
Concen: 148.37 ug/L
RT: 19.84 min Scan# 1074
Delta R.T. 0.00 min
Lab File: V0051.D
Acq: 15 Jan 96 10:27 am

Tgt Ion:146	Resp:	2470056
Ion Ratio	Lower	Upper
146 100		
111 41.0	23.7	63.7
148 65.1	44.2	84.2
0 0.0	0.0	0.0

AbundanceIon 146.00 (145
Ion 111.00 (110
Ion 148.00 (147
19.84

AbundanceScan 1260 (20.038 min): V0010.D (-

#64

1,4-dichlorobenzene
Concen: 45.67 ug/L
RT: 20.00 min Scan# 1084
Delta R.T. 0.00 min
Lab File: V0051.D
Acq: 15 Jan 96 10:27 am

Tgt Ion:	146	Resp:	774881
Ion	Ratio	Lower	Upper
146	100		
111	39.7	22.2	62.2
148	64.4	44.8	84.8
0	0.0	0.0	0.0

AbundanceScan 1084 (19.999 min): V0051.D (*)

AbundanceIon 146.00 (145
Ion 111.00 (110
Ion 148.00 (147

AbundanceScan 1084 (19.999 min): V0051.D (-

AbundanceScan 1300 (20.657 min): V0010.D (-

#65

1,2-dichlorobenzene
Concen: 37.24 ug/L
RT: 20.62 min Scan# 1124
Delta R.T. 0.00 min
Lab File: V0051.D
Acq: 15 Jan 96 10:27 am

Tgt Ion:	146	Resp:	579603
Ion	Ratio	Lower	Upper
146	100		
111	43.1	25.7	65.7
148	64.5	44.6	84.6
0	0.0	0.0	0.0

AbundanceScan 1124 (20.618 min): V0051.D (*)

AbundanceIon 146.00 (145
Ion 111.00 (110
Ion 148.00 (147

AbundanceScan 1124 (20.618 min): V0051.D (-

Quantitation Report

Data File : C:\HPCHEM\1\DATA\JAN1595\V0052.D
 Acq On : 15 Jan 96 11:00 am
 Sample : ECO-001-2A
 Misc : VOATEST02,W,5,8260
 Quant Time: Jan 15 12:14 1996

Vial: 6
 Operator: WF
 Inst : 5972 - In
 Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\8260W.M
 Title : SW-846 Method 8260 For Waters
 Last Update : Mon Jan 15 09:34:17 1996
 Response via : Multiple Level Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) pentafluorobenzene	9.34	168	1033583	50.00	ug/L	0.02
20) 1,4-difluorobenzene	10.72	114	1092503	50.00	ug/L	0.02
35) Chlorobenzene-d5	15.71	117	861130	50.00	ug/L	0.02
49) 1,4-dichlorobenzene-d4	19.95	152	547038	50.00	ug/L	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	%Recovery
18) dibromofluoromethane	9.15	113	445949	47.32	ug/L	94.64%
31) toluene-d8	13.27	98	1042362	50.36	ug/L	100.73%
51) 4-bromofluorobenzene	17.80	95	645617	48.91	ug/L	97.82%

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) methylene chloride	6.52	84	724256	110.01	ug/L	92
12) trans-1,2-dichloroethene	7.20	96	194532	29.71	ug/L	92
17) chloroform	8.90	83	969933	78.07	ug/L	100
19) 1,1,1-trichloroethane	9.71	97	570837	49.26	ug/L	98
21) 2-Butanone	8.30	43	36533	16.01	ug/L	99
22) carbon tetrachloride	10.20	117	579195	71.07	ug/L	100
24) benzene	10.27	78	1017470	49.54	ug/L	100
25) 1,2-dichloroethane	10.00	62	1023588	132.94	ug/L	94
26) trichloroethene	11.33	95	813684	97.15	ug/L	98
29) bromodichloromethane	11.72	83	552681	52.86	ug/L	98
32) toluene	13.39	92	270785	19.44	ug/L	99
34) 1,1,2-trichloroethane	13.66	83	137315	26.80	ug/L	99
36) 4-Methyl-2-pentanone	12.48	43	739527	113.16	ug/L	97
38) tetrachloroethene	14.62	166	1062538	107.26	ug/L	100
42) chlorobenzene	15.78	112	463461	27.38	ug/L	94
44) ethylbenzene	16.02	91	3298567	113.59	ug/L	97
46) o-xylene	16.91	106	244198	22.80	ug/L	94
47) styrene	16.86	104	370034	20.65	ug/L	93
48) bromoform	17.09	173	514554	86.86	ug/L	100
65) 1,2-dichlorobenzene	20.64	146	2544694	164.36	ug/L	97

WF 1/15/96

(12) 1/15/96

Quantitation Report

Data File : C:\HPCHEM\1\DATA\JAN1595\V0052.D
 Acq On : 15 Jan 96 11:00 am
 Sample : ECO-001-2A
 Misc : VOATEST02,W,5,8260
 Quant Time: Jan 15 12:14 1996

Vial: 6
 Operator: WF
 Inst : 5972 - In
 Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\8260W.M
 Title : SW-846 Method 8260 For Waters
 Last Update : Mon Jan 15 09:34:17 1996
 Response via : Multiple Level Calibration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\JAN1595\V0052.D
 Acq On : 15 Jan 96 11:00 am
 Sample : ECO-001-2A
 Misc : VOATEST02,W,5,8260
 Quant Time: Jan 15 12:14 1996

Vial: 6
 Operator: WF
 Inst : 5972 - In .
 Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\8260W.M
 Title : SW-846 Method 8260 For Waters
 Last Update : Mon Jan 15 09:34:17 1996
 Response via : Multiple Level Calibration

#10
methylene chloride
Concen: 110.01 ug/L
RT: 6.52 min Scan# 213
Delta R.T. 0.02 min
Lab File: V0052.D
Acq: 15 Jan 96 11:00 am

Tgt Ion	Ratio	Lower	Upper
84	100		
86	65.7	45.8	85.8
49	137.6	132.9	172.9
0	0.0	0.0	0.0

Abundance	Ion	Ratio	Lower	Upper
84.00	(83.			
86.00	(85.			
49.00	(48.

#12
trans-1,2-dichloroethene
Concen: 29.71 ug/L
RT: 7.20 min Scan# 257
Delta R.T. 0.02 min
Lab File: V0052.D
Acq: 15 Jan 96 11:00 am

Tgt Ion	Ratio	Lower	Upper
96	100		
61	149.9	144.5	184.5
98	64.4	44.7	84.7
0	0.0	0.0	0.0

Abundance	Ion	Ratio	Lower	Upper
96.00	(95.			
61.00	(60.			
98.00	(97.

#17
chloroform
Concen: 78.07 ug/L
RT: 8.90 min Scan# 367
Delta R.T. 0.02 min
Lab File: V0052.D
Acq: 15 Jan 96 11:00 am

Tgt Ion:83 Resp: 969933
Ion Ratio Lower Upper
83 100
85 66.2 45.9 85.9
0 0.0 0.0 0.0
0 0.0 0.0 0.0

#19
1,1,1-trichloroethane
Concen: 49.26 ug/L
RT: 9.71 min Scan# 419
Delta R.T. 0.00 min
Lab File: V0052.D
Acq: 15 Jan 96 11:00 am

Tgt Ion:97 Resp: 570837
Ion Ratio Lower Upper
97 100
99 65.2 44.3 84.3
61 49.4 31.6 71.6
0 0.0 0.0 0.0

Abundance Scan 504 (8.338 min): V0010.D (*)

#21

2-Butanone

Concen: 16.01 ug/L

RT: 8.30 min Scan# 328

Delta R.T. 0.02 min

Lab File: V0052.D

Acq: 15 Jan 96 11:00 am

Tgt Ion:	43	Resp:	36533
Ion Ratio	Lower	Upper	
43	100		
72	19.3	0.0	38.8
0	0.0	0.0	0.0
0	0.0	0.0	0.0

Abundance Scan 328 (8.301 min): V0052.D (*)

Abundance Ion 43.00 (42.00)

Ion 72.00 (71.00)

Abundance Scan 328 (8.301 min): V0052.D (-, *

Abundance Scan 626 (10.226 min): V0010.D (-, *

#22

carbon tetrachloride

Concen: 71.07 ug/L

RT: 10.20 min Scan# 451

Delta R.T. 0.02 min

Lab File: V0052.D

Acq: 15 Jan 96 11:00 am

Tgt Ion:	117	Resp:	579195
Ion Ratio	Lower	Upper	
117	100		
119	97.0	77.4	117.4
0	0.0	0.0	0.0
0	0.0	0.0	0.0

Abundance Scan 451 (10.205 min): V0052.D (*)

Abundance Ion 117.00 (116.00)

Ion 119.00 (118.00)

Abundance Scan 451 (10.205 min): V0052.D (-, *

AbundanceScan 631 (10.303 min): V0010.D (-,

#24
benzene
Concen: 49.54 ug/L
RT: 10.27 min Scan# 455
Delta R.T. 0.02 min
Lab File: V0052.D
Acq: 15 Jan 96 11:00 am

Tgt Ion:78	Resp: 1017470		
Ion	Ratio	Lower	Upper
78	100		
77	24.1	4.3	44.3
0	0.0	0.0	0.0
0	0.0	0.0	0.0

AbundanceScan 455 (10.267 min): V0052.D (*)

AbundanceIon 78.00 (77.
Ion 77.00 (76.

AbundanceScan 455 (10.267 min): V0052.D (-,

AbundanceScan 613 (10.025 min): V0010.D (-,

#25
1,2-dichloroethane
Concen: 132.94 ug/L
RT: 10.00 min Scan# 438
Delta R.T. 0.02 min
Lab File: V0052.D
Acq: 15 Jan 96 11:00 am

Tgt Ion:62	Resp: 1023588		
Ion	Ratio	Lower	Upper
62	100		
98	11.3	0.0	29.0
0	0.0	0.0	0.0
0	0.0	0.0	0.0

AbundanceScan 438 (10.004 min): V0052.D (*)

AbundanceIon 62.00 (61.
Ion 98.00 (97.

AbundanceScan 438 (10.004 min): V0052.D (-,

#26
trichloroethene
Concen: 97.15 ug/L
RT: 11.33 min Scan# 524
Delta R.T. 0.00 min
Lab File: V0052.D
Acq: 15 Jan 96 11:00 am

Tgt	Ion:95	Resp:	813684
Ion	Ratio	Lower	Upper
95	100		
130	104.3	82.4	122.4
132	101.6	79.0	119.0
0	0.0	0.0	0.0

Abundance	Ion	95.00 (94.
	Ion 130.00	(129
	Ion 132.00	(131

#29
bromodichloromethane
Concen: 52.86 ug/L
RT: 11.72 min Scan# 549
Delta R.T. 0.02 min
Lab File: V0052.D
Acq: 15 Jan 96 11:00 am

Tgt	Ion:83	Resp:	552681
Ion	Ratio	Lower	Upper
83	100		
85	65.5	44.1	84.1
127	8.7	0.0	28.0
0	0.0	0.0	0.0

Abundance	Ion	83.00 (82.
	Ion 85.00	(84.
	Ion 127.00	(126

AbundanceScan 833 (13.429 min): V0010.D (-,

#32

toluene

Concen: 19.44 ug/L

RT: 13.39 min Scan# 657

Delta R.T. 0.00 min

Lab File: V0052.D

Acq: 15 Jan 96 11:00 am

Tgt	Ion:92	Resp:	270785
Ion	Ratio	Lower	Upper
92	100		
91	168.9	147.6	187.6
0	0.0	0.0	0.0
0	0.0	0.0	0.0

AbundanceScan 657 (13.393 min): V0052.D (*)

AbundanceIon 92.00 (91.
Ion 91.00 (90.

AbundanceScan 657 (13.393 min): V0052.D (-,

AbundanceScan 849 (13.677 min): V0010.D (-,

#34

1,1,2-trichloroethane

Concen: 26.80 ug/L

RT: 13.66 min Scan# 674

Delta R.T. 0.02 min

Lab File: V0052.D

Acq: 15 Jan 96 11:00 am

Tgt	Ion:83	Resp:	137315
Ion	Ratio	Lower	Upper
83	100		
97	117.3	95.7	135.7
85	65.6	45.2	85.2
0	0.0	0.0	0.0

AbundanceScan 674 (13.656 min): V0052.D (*)

AbundanceIon 83.00 (82.
Ion 97.00 (96.
Ion 85.00 (84.

AbundanceScan 674 (13.656 min): V0052.D (-,

AbundanceScan 774 (12.516 min): V0010.D (*)

#36

4-Methyl-2-pentanone

Concen: 113.16 ug/L

RT: 12.48 min Scan# 598

Delta R.T. 0.00 min

Lab File: V0052.D

Acq: 15 Jan 96 11:00 am

Tgt Ion:43 Resp: 739527

Ion Ratio Lower Upper

43 100

58 36.3 14.4 54.4

0 0.0 0.0 0.0

0 0.0 0.0 0.0

AbundanceScan 598 (12.480 min): V0052.D (*)

AbundanceIon 43.00 (42.

Ion 58.00 (57.

150000 12.48

100000

50000

0

Time-->12.19 12.83

AbundanceScan 598 (12.480 min): V0052.D (-,

AbundanceScan 912 (14.652 min): V0010.D (-,

#38

tetrachloroethene

Concen: 107.26 ug/L

RT: 14.62 min Scan# 736

Delta R.T. 0.02 min

Lab File: V0052.D

Acq: 15 Jan 96 11:00 am

Tgt Ion:166 Resp: 1062538

Ion Ratio Lower Upper

166 100

168 48.8 28.4 68.4

129 72.2 51.9 91.9

0 0.0 0.0 0.0

AbundanceScan 736 (14.615 min): V0052.D (*)

AbundanceIon 166.00 (165

Ion 168.00 (167

Ion 129.00 (128

300000 14.62

200000

100000

0

Time-->14.34 14.90

AbundanceScan 736 (14.615 min): V0052.D (-,

#42
chlorobenzene
Concen: 27.38 ug/L
RT: 15.78 min Scan# 811
Delta R.T. 0.02 min
Lab File: V0052.D
Acq: 15 Jan 96 11:00 am

Tgt Ion:	112	Resp:	463461
Ion	Ratio	Lower	Upper
112	100		
77	60.1	46.9	86.9
114	32.6	12.8	52.8
0	0.0	0.0	0.0

#44
ethylbenzene
Concen: 113.59 ug/L
RT: 16.02 min Scan# 827
Delta R.T. 0.02 min
Lab File: V0052.D
Acq: 15 Jan 96 11:00 am

Tgt Ion:	91	Resp:	3298567
Ion	Ratio	Lower	Upper
91	100		
106	31.2	9.7	49.7
0	0.0	0.0	0.0
0	0.0	0.0	0.0

AbundanceScan 1059 (16.927 min): V0010.D (-

AbundanceScan 884 (16.906 min): V0052.D (*)

AbundanceScan 884 (16.906 min): V0052.D (-,

#46

o-xylene

Concen: 22.80 ug/L

RT: 16.91 min Scan# 884

Delta R.T. 0.02 min

Lab File: V0052.D

Acq: 15 Jan 96 11:00 am

Tgt Ion:106 Resp: 244198

Ion Ratio Lower Upper

106 100

91 213.4 202.7 242.7

0 0.0 0.0 0.0

0 0.0 0.0 0.0

AbundanceIon 106.00 (105

Ion 91.00 (90.

AbundanceScan 1057 (16.896 min): V0010.D (*)

AbundanceScan 881 (16.859 min): V0052.D (*)

AbundanceScan 881 (16.859 min): V0052.D (-,

#47

styrene

Concen: 20.65 ug/L

RT: 16.86 min Scan# 881

Delta R.T. 0.00 min

Lab File: V0052.D

Acq: 15 Jan 96 11:00 am

Tgt Ion:104 Resp: 370034

Ion Ratio Lower Upper

104 100

78 47.0 32.1 72.1

0 0.0 0.0 0.0

0 0.0 0.0 0.0

AbundanceIon 104.00 (103

Ion 78.00 (77.

AbundanceScan 1071 (17.113 min): V0010.D (-

AbundanceScan 896 (17.092 min): V0052.D (*)

AbundanceScan 896 (17.092 min): V0052.D (-,

#48

bromoform

Concen: 86.86 ug/L

RT: 17.09 min Scan# 896

Delta R.T. 0.02 min

Lab File: V0052.D

Acq: 15 Jan 96 11:00 am

Tgt Ion:173 Resp: 514554

Ion Ratio Lower Upper

173 100

175 49.8 29.6 69.6

0 0.0 0.0 0.0

0 0.0 0.0 0.0

AbundanceIon 173.00 (172

Ion 175.00 (174

17.09

AbundanceScan 1300 (20.657 min): V0010.D (-

AbundanceScan 1125 (20.636 min): V0052.D (*)

AbundanceScan 1125 (20.636 min): V0052.D (-

#65

1,2-dichlorobenzene

Concen: 164.36 ug/L

RT: 20.64 min Scan# 1125

Delta R.T. 0.02 min

Lab File: V0052.D

Acq: 15 Jan 96 11:00 am

Tgt Ion:146 Resp: 2544694

Ion Ratio Lower Upper

146 100

111 41.9 25.7 65.7

148 65.2 44.6 84.6

0 0.0 0.0 0.0

AbundanceIon 146.00 (145

Ion 111.00 (110

Ion 148.00 (147

Quantitation Report

Data File : C:\HPCHEM\1\DATA\JAN1595\V0057.D
 Acq On : 15 Jan 96 1:55 pm
 Sample : ECO-001-3A
 Misc : VOATEST03,W,5,8260
 Quant Time: Jan 15 14:30 1996

Vial: 11
 Operator: WF
 Inst : 5972 - In
 Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\8260W.M
 Title : SW-846 Method 8260 For Waters
 Last Update : Mon Jan 15 09:34:17 1996
 Response via : Multiple Level Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev (Min)
1) pentafluorobenzene	9.34	168	941698	50.00	ug/L	0.02
20) 1,4-difluorobenzene	10.70	114	1008276	50.00	ug/L	0.00
35) Chlorobenzene-d5	15.71	117	802816	50.00	ug/L	0.02
49) 1,4-dichlorobenzene-d4	19.95	152	513000	50.00	ug/L	0.00
System Monitoring Compounds						%Recovery
18) dibromofluoromethane	9.15	113	441366	51.40	ug/L	102.80%
31) toluene-d8	13.27	98	978912	51.25	ug/L	102.50%
51) 4-bromofluorobenzene	17.79	95	614635	49.65	ug/L	99.30%
Target Compounds						Qvalue
9) 1,1-dichloroethene	6.01	96	387827	67.28	ug/L	# 86
10) methylene chloride	6.52	84	716884	119.51	ug/L	91
17) chloroform	8.90	83	1087253	96.83	ug/L	100
19) 1,1,1-trichloroethane	9.71	97	835952	79.18	ug/L	97
22) carbon tetrachloride	10.19	117	385982	51.32	ug/L	100
24) benzene	10.26	78	310251	16.37	ug/L	99
25) 1,2-dichloroethane	9.99	62	736588	103.65	ug/L	95
26) trichloroethene	11.33	95	343601	44.45	ug/L	96
29) bromodichloromethane	11.70	83	990942	102.70	ug/L	100
32) toluene	13.39	92	446108	34.70	ug/L	98
36) 4-Methyl-2-pentanone	12.48	43	513370	84.26	ug/L	96
38) tetrachloroethene	14.61	166	460233	49.83	ug/L	99
40) dibromochloromethane	14.46	129	790817	100.75	ug/L	99
42) chlorobenzene	15.77	112	363149	23.01	ug/L	95
43) 1,1,1,2-tetrachloroethane	15.82	131	589001	85.41	ug/L	98
44) ethylbenzene	16.02	91	2448821	90.45	ug/L	97
45) m,p-xylene	16.19	106	611610	59.32	ug/L	97
46) o-xylene	16.89	106	1649225	165.15	ug/L	94
48) bromoform	17.07	173	889390	161.04	ug/L	99
62) 1,3-dichlorobenzene	19.86	146	2174804	140.04	ug/L	96
64) 1,4-dichlorobenzene	20.01	146	656216	41.46	ug/L	97
65) 1,2-dichlorobenzene	20.63	146	519385	35.77	ug/L	97

UG 1/15/96
 (4.0) 1/15/96

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

Quantitation Report

Data File : C:\HPCHEM\1\DATA\JAN1595\V0057.D
 Acq On : 15 Jan 96 1:55 pm
 Sample : ECO-001-3A
 Misc : VOATEST03,W,5,8260
 Quant Time: Jan 15 14:30 1996

Vial: 11
 Operator: WF
 Inst : 5972 - In
 Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\8260W.M
 Title : SW-846 Method 8260 For Waters
 Last Update : Mon Jan 15 09:34:17 1996
 Response via : Multiple Level Calibration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\JAN1595\V0057.D
 Acq On : 15 Jan 96 1:55 pm
 Sample : ECO-001-3A
 Misc : VOATEST03,W,5,8260
 Quant Time: Jan 15 14:30 1996

Vial: 11
 Operator: WF
 Inst : 5972 - In
 Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\8260W.M
 Title : SW-846 Method 8260 For Waters
 Last Update : Mon Jan 15 09:34:17 1996
 Response via : Multiple Level Calibration

AbundanceScan 356 (6.047 min): V0010.D (-,*

#9

1,1-dichloroethene

Concen: 67.28 ug/L

RT: 6.01 min Scan# 180

Delta R.T. 0.02 min

Lab File: V0057.D

Acq: 15 Jan 96 1:55 pm

Tgt Ion:96 Resp: 387827

Ion Ratio Lower Upper

96	100		
61	171.7	175.6	215.6#
63	56.7	44.1	84.1
0	0.0	0.0	0.0

Abundance Scan 180 (6.008 min): V0057.D (*)

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

AbundanceScan 180 (6.008 min): V0057.D (-,*

AbundanceScan 389 (6.558 min): V0010.D (-,*

#10

methylene chloride

Concen: 119.51 ug/L

RT: 6.52 min Scan# 213

Delta R.T. 0.02 min

Lab File: V0057.D

Acq: 15 Jan 96 1:55 pm

Tgt Ion:84 Resp: 716884

Ion Ratio Lower Upper

84	100		
86	65.5	45.8	85.8
49	136.8	132.9	172.9
0	0.0	0.0	0.0

Abundance Scan 213 (6.519 min): V0057.D (*)

Abundance Ion 84.00 (83.
Ion 86.00 (85.
Ion 49.00 (48.

AbundanceScan 213 (6.519 min): V0057.D (-,*

AbundanceScan 543 (8.941 min): V0010.D (-,*

#17
chloroform
Concen: 96.83 ug/L
RT: 8.90 min Scan# 367
Delta R.T. 0.02 min
Lab File: V0057.D
Acq: 15 Jan 96 1:55 pm

Tgt Ion:83	Resp: 1087253		
Ion	Ratio	Lower	Upper
83	100		
85	65.7	45.9	85.9
0	0.0	0.0	0.0
0	0.0	0.0	0.0

Abundance Scan 367 (8.902 min): V0057.D (*)

AbundanceIon 83.00 (82.
Ion 85.00 (84.
8.90

AbundanceScan 367 (8.902 min): V0057.D (-,*

AbundanceScan 595 (9.746 min): V0010.D (-,*

#19
1,1,1-trichloroethane
Concen: 79.18 ug/L
RT: 9.71 min Scan# 419
Delta R.T. 0.00 min
Lab File: V0057.D
Acq: 15 Jan 96 1:55 pm

Tgt Ion:97	Resp: 835952		
Ion	Ratio	Lower	Upper
97	100		
99	65.9	44.3	84.3
61	49.4	31.6	71.6
0	0.0	0.0	0.0

Abundance Scan 419 (9.707 min): V0057.D (*)

AbundanceIon 97.00 (96.
Ion 99.00 (98.
Ion 61.00 (60.

AbundanceScan 419 (9.707 min): V0057.D (-,*

AbundanceScan 626 (10.226 min): V0010.D (-,

#22

carbon tetrachloride

Concen: 51.32 ug/L

RT: 10.19 min Scan# 450

Delta R.T. 0.00 min

Lab File: V0057.D

Acq: 15 Jan 96 1:55 pm

Tgt Ion:117 Resp: 385982

Ion Ratio Lower Upper

117 100

119 97.6 77.4 117.4

0 0.0 0.0 0.0

0 0.0 0.0 0.0

AbundanceScan 450 (10.187 min): V0057.D (*)

AbundanceScan 450 (10.187 min): V0057.D (-,

AbundanceIon 117.00 (116

80000 Ion 119.00 (118

10.19

60000

40000

20000

0

Time-->9.94 10.39

AbundanceScan 631 (10.303 min): V0010.D (-,

#24

benzene

Concen: 16.37 ug/L

RT: 10.26 min Scan# 455

Delta R.T. 0.02 min

Lab File: V0057.D

Acq: 15 Jan 96 1:55 pm

Tgt Ion:78 Resp: 310251

Ion Ratio Lower Upper

78 100

77 24.0 4.3 44.3

0 0.0 0.0 0.0

0 0.0 0.0 0.0

AbundanceScan 455 (10.264 min): V0057.D (*)

AbundanceIon 78.00 (77.

Ion 77.00 (76.

10.26

60000

40000

20000

0

Time-->9.99 10.55

AbundanceScan 455 (10.264 min): V0057.D (-,

AbundanceScan 613 (10.025 min): V0010.D (-,

#25
1,2-dichloroethane
Concen: 103.65 ug/L
RT: 9.99 min Scan# 437
Delta R.T. 0.00 min
Lab File: V0057.D
Acq: 15 Jan 96 1:55 pm

Tgt Ion:	62	Resp:	736588
Ion	Ratio	Lower	Upper
62	100		
98	10.9	0.0	29.0
0	0.0	0.0	0.0
0	0.0	0.0	0.0

Abundance Scan 437 (9.985 min): V0057.D (*)

Abundance Ion 62.00 (61.1
Ion 98.00 (97.1

AbundanceScan 437 (9.985 min): V0057.D (-,*

AbundanceScan 700 (11.371 min): V0010.D (-,

#26
trichloroethene
Concen: 44.45 ug/L
RT: 11.33 min Scan# 524
Delta R.T. 0.00 min
Lab File: V0057.D
Acq: 15 Jan 96 1:55 pm

Tgt Ion:	95	Resp:	343601
Ion	Ratio	Lower	Upper
95	100		
130	105.9	82.4	122.4
132	103.6	79.0	119.0
0	0.0	0.0	0.0

AbundanceScan 524 (11.332 min): V0057.D (*)

Abundance Ion 95.00 (94.1
Ion 130.00 (129.1
Ion 132.00 (131.1

AbundanceScan 524 (11.332 min): V0057.D (-,

AbundanceScan 724 (11.742 min): V0010.D (-,

#29

bromodichloromethane

Concen: 102.70 ug/L

RT: 11.70 min Scan# 548

Delta R.T. 0.00 min

Lab File: V0057.D

Acq: 15 Jan 96 1:55 pm

Tgt Ion:83 Resp: 990942

Ion Ratio Lower Upper

83 100

85 64.4 44.1 84.1

127 8.4 0.0 28.0

0 0.0 0.0 0.0

AbundanceScan 548 (11.703 min): V0057.D (*)

AbundanceIon 83.00 (82.

Ion 85.00 (84.

Ion 127.00 (126

11.70

200000

100000

0

Time-->11.44 12.01

AbundanceScan 548 (11.703 min): V0057.D (-,

AbundanceScan 833 (13.429 min): V0010.D (-,

#32

toluene

Concen: 34.70 ug/L

RT: 13.39 min Scan# 657

Delta R.T. 0.00 min

Lab File: V0057.D

Acq: 15 Jan 96 1:55 pm

Tgt Ion:92 Resp: 446108

Ion Ratio Lower Upper

92 100

91 165.1 147.6 187.6

0 0.0 0.0 0.0

0 0.0 0.0 0.0

AbundanceScan 657 (13.390 min): V0057.D (*)

AbundanceIon 92.00 (91.

Ion 91.00 (90.

150000

100000

50000

0

Time-->13.17 13.61

AbundanceScan 657 (13.390 min): V0057.D (-,

AbundanceScan 774 (12.516 min): V0010.D (*)

#36

4-Methyl-2-pentanone

Concen: 84.26 ug/L

RT: 12.48 min Scan# 598

Delta R.T. 0.00 min

Lab File: V0057.D

Acq: 15 Jan 96 1:55 pm

Tgt Ion:43 Resp: 513370

Ion Ratio Lower Upper

43	100		
58	36.7	14.4	54.4
0	0.0	0.0	0.0
0	0.0	0.0	0.0

AbundanceScan 598 (12.477 min): V0057.D (*)

AbundanceIon 43.00 (42.

Ion 58.00 (57.

12.48

100000

50000

0

Time-->12.21 12.73

AbundanceScan 598 (12.477 min): V0057.D (-,

AbundanceScan 912 (14.652 min): V0010.D (-,

#38

tetrachloroethene

Concen: 49.83 ug/L

RT: 14.61 min Scan# 736

Delta R.T. 0.02 min

Lab File: V0057.D

Acq: 15 Jan 96 1:55 pm

Tgt Ion:166 Resp: 460233

Ion Ratio Lower Upper

166	100		
168	48.3	28.4	68.4
129	70.7	51.9	91.9
0	0.0	0.0	0.0

AbundanceScan 736 (14.613 min): V0057.D (*)

AbundanceIon 166.00 (165

Ion 168.00 (167

Ion 129.00 (128

200000

150000

100000

50000

0

Time-->14.37 14.80

AbundanceScan 736 (14.613 min): V0057.D (-,

AbundanceScan 902 (14.497 min): V0010.D (-,

#40

dibromochloromethane

Concen: 100.75 ug/L

RT: 14.46 min Scan# 726

Delta R.T. 0.00 min

Lab File: V0057.D

Acq: 15 Jan 96 1:55 pm

Tgt Ion:	129	Resp:	790817
Ion	Ratio	Lower	Upper
129	100		
127	76.2	56.8	96.8
0	0.0	0.0	0.0
0	0.0	0.0	0.0

AbundanceScan 726 (14.458 min): V0057.D (*)

Abundance Ion 129.00 (128)
200000 Ion 127.00 (126)
14.46

AbundanceScan 726 (14.458 min): V0057.D (-,

AbundanceScan 986 (15.797 min): V0010.D (-,

#42

chlorobenzene

Concen: 23.01 ug/L

RT: 15.77 min Scan# 811

Delta R.T. 0.02 min

Lab File: V0057.D

Acq: 15 Jan 96 1:55 pm

Tgt Ion:	112	Resp:	363149
Ion	Ratio	Lower	Upper
112	100		
77	61.2	46.9	86.9
114	33.2	12.8	52.8
0	0.0	0.0	0.0

AbundanceScan 811 (15.774 min): V0057.D (*)

Abundance Ion 112.00 (111)
100000 Ion 77.00 (76.)
Ion 114.00 (113)
15.77

AbundanceScan 811 (15.774 min): V0057.D (-,

AbundanceScan 990 (15.859 min): V0010.D (-,

#43

1,1,1,2-tetrachloroethane
Concen: 85.41 ug/L
RT: 15.82 min Scan# 814
Delta R.T. 0.00 min
Lab File: V0057.D
Acq: 15 Jan 96 1:55 pm

Tgt	Ion:131	Resp:	589001
Ion	Ratio	Lower	Upper
131	100		
133	97.0	76.2	116.2
119	69.7	46.8	86.8
0	0.0	0.0	0.0

AbundanceScan 814 (15.820 min): V0057.D (*)

AbundanceIon 131.00 (130
Ion 133.00 (132
150000 Ion 119.00 (118
15.82

AbundanceScan 814 (15.820 min): V0057.D (-,

AbundanceScan 1002 (16.045 min): V0010.D (-

#44

ethylbenzene
Concen: 90.45 ug/L
RT: 16.02 min Scan# 827
Delta R.T. 0.02 min
Lab File: V0057.D
Acq: 15 Jan 96 1:55 pm

Tgt	Ion:91	Resp: 2448821	
Ion	Ratio	Lower	Upper
91	100		
106	31.1	9.7	49.7
0	0.0	0.0	0.0
0	0.0	0.0	0.0

AbundanceScan 827 (16.021 min): V0057.D (*)

AbundanceIon 91.00 (90.
600000 Ion 106.00 (105
16.02

AbundanceScan 827 (16.021 min): V0057.D (-,

AbundanceScan 1014 (16.230 min): V0010.D (-

AbundanceScan 838 (16.191 min): V0057.D (*)

AbundanceScan 838 (16.191 min): V0057.D (-,

#45

m,p-xylene

Concen: 59.32 ug/L

RT: 16.19 min Scan# 838

Delta R.T. 0.00 min

Lab File: V0057.D

Acq: 15 Jan 96 1:55 pm

Tgt Ion:106 Resp: 611610

Ion Ratio Lower Upper

106 100

91 202.4 186.8 226.8

0 0.0 0.0 0.0

0 0.0 0.0 0.0

AbundanceIon 106.00 (105

600000 Ion 91.00 (90.

AbundanceScan 1059 (16.927 min): V0010.D (-

AbundanceScan 883 (16.888 min): V0057.D (*)

AbundanceScan 883 (16.888 min): V0057.D (-,

#46

o-xylene

Concen: 165.15 ug/L

RT: 16.89 min Scan# 883

Delta R.T. 0.00 min

Lab File: V0057.D

Acq: 15 Jan 96 1:55 pm

Tgt Ion:106 Resp: 1649225

Ion Ratio Lower Upper

106 100

91 213.3 202.7 242.7

0 0.0 0.0 0.0

0 0.0 0.0 0.0

AbundanceIon 106.00 (105

800000 Ion 91.00 (90.

#48
bromoform
Concen: 161.04 ug/L
RT: 17.07 min Scan# 895
Delta R.T. 0.00 min
Lab File: V0057.D
Acq: 15 Jan 96 1:55 pm

Tgt Ion:	173	Resp:	889390
Ion	Ratio	Lower	Upper
173	100		
175	48.9	29.6	69.6
0	0.0	0.0	0.0
0	0.0	0.0	0.0

#62
1,3-dichlorobenzene
Concen: 140.04 ug/L
RT: 19.86 min Scan# 1075
Delta R.T. 0.02 min
Lab File: V0057.D
Acq: 15 Jan 96 1:55 pm

Tgt Ion:	146	Resp:	2174804
Ion	Ratio	Lower	Upper
146	100		
111	39.4	23.7	63.7
148	65.5	44.2	84.2
0	0.0	0.0	0.0

#64
1,4-dichlorobenzene
Concen: 41.46 ug/L
RT: 20.01 min Scan# 1085
Delta R.T. 0.02 min
Lab File: V0057.D
Acq: 15 Jan 96 1:55 pm

Tgt Ion:	146	Resp:	656216
Ion	Ratio	Lower	Upper
146	100		
111	38.0	22.2	62.2
148	65.3	44.8	84.8
0	0.0	0.0	0.0

#65
1,2-dichlorobenzene
Concen: 35.77 ug/L
RT: 20.63 min Scan# 1125
Delta R.T. 0.02 min
Lab File: V0057.D
Acq: 15 Jan 96 1:55 pm

Tgt Ion:	146	Resp:	519385
Ion	Ratio	Lower	Upper
146	100		
111	41.5	25.7	65.7
148	65.3	44.6	84.6
0	0.0	0.0	0.0

Quantitation Report

Data File : C:\HPCHEM\1\DATA\JAN1595\V0053.D
Acq On : 15 Jan 96 11:32 am
Sample : ECO-001-4A
Misc : VOATEST04,W,5,8260
Quant Time: Jan 15 12:10 1996

Vial: 7
Operator: WF
Inst : 5972 - In
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\8260W.M
Title : SW-846 Method 8260 For Waters
Last Update : Mon Jan 15 09:34:17 1996
Response via : Multiple Level Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) pentafluorobenzene	9.34	168	1007395	50.00	ug/L	0.02
20) 1,4-difluorobenzene	10.71	114	1063353	50.00	ug/L	0.02
35) Chlorobenzene-d5	15.71	117	840841	50.00	ug/L	0.02
49) 1,4-dichlorobenzene-d4	19.95	152	534589	50.00	ug/L	0.00

System Monitoring Compounds						%Recovery
18) dibromofluoromethane	9.16	113	445144	48.46	ug/L	96.92%
31) toluene-d8	13.28	98	1005665	49.92	ug/L	99.84%
51) 4-bromofluorobenzene	17.80	95	624088	48.38	ug/L	96.76%

Target Compounds						Qvalue
10) methylene chloride	6.52	84	718757	112.01	ug/L	91
12) trans-1,2-dichloroethene	7.21	96	190631	29.87	ug/L	91
17) chloroform	8.92	83	958666	79.22	ug/L	99
19) 1,1,1-trichloroethane	9.72	97	554673	49.11	ug/L	97
21) 2-Butanone	8.31	43	40096	18.05	ug/L	90
22) carbon tetrachloride	10.20	117	564088	71.12	ug/L	99
24) benzene	10.28	78	1001113	50.08	ug/L	99
25) 1,2-dichloroethane	10.00	62	1041180	138.93	ug/L	94
26) trichloroethene	11.35	95	791332	97.07	ug/L	95
29) bromodichloromethane	11.72	83	553767	54.42	ug/L	99
32) toluene	13.41	92	264106	19.48	ug/L	97
34) 1,1,2-trichloroethane	13.65	83	142240	28.52	ug/L	99
36) 4-Methyl-2-pentanone	12.48	43	759831	119.07	ug/L	97
38) tetrachloroethene	14.61	166	1032128	106.71	ug/L	99
42) chlorobenzene	15.77	112	456057	27.59	ug/L	96
44) ethylbenzene	16.02	91	3227126	113.81	ug/L	98
46) o-xylene	16.90	106	237867	22.74	ug/L	95
47) styrene	16.86	104	361090	20.64	ug/L	91
48) bromoform	17.09	173	527790	91.25	ug/L	100
65) 1,2-dichlorobenzene	20.63	146	2542019	168.02	ug/L	98

WF 1/15/96

(17) 1/15/96

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

V0053.D 8260W.M

Mon Jan 15 17:29:05 1996

CASPER

Page 1

Quantitation Report

Data File : C:\HPCHEM\1\DATA\JAN1595\V0053.D
 Acq On : 15 Jan 96 11:32 am
 Sample : ECO-001-4A
 Misc : VOATEST04,W,5,8260
 Quant Time: Jan 15 12:10 1996

Vial: 7
 Operator: WF
 Inst : 5972 - In
 Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\8260W.M
 Title : SW-846 Method 8260 For Waters
 Last Update : Mon Jan 15 09:34:17 1996
 Response via : Multiple Level Calibration

#17
chloroform
Concen: 81.28 ug/L
RT: 8.90 min Scan# 367
Delta R.T. 0.02 min
Lab File: V0056.D
Acq: 15 Jan 96 1:19 pm

Tgt Ion:83	Resp:	979086
Ion	Ratio	Lower Upper
83	100	
85	66.0	45.9 85.9
0	0.0	0.0 0.0
0	0.0	0.0 0.0

#19
1,1,1-trichloroethane
Concen: 47.83 ug/L
RT: 9.71 min Scan# 419
Delta R.T. 0.00 min
Lab File: V0056.D
Acq: 15 Jan 96 1:19 pm

Tgt Ion:97	Resp:	538274
Ion	Ratio	Lower Upper
97	100	
99	65.0	44.3 84.3
61	48.8	31.6 71.6
0	0.0	0.0 0.0

Abundance Scan 504 (8.338 min): V0010.D (*)

Abundance Scan 328 (8.299 min): V0056.D (*)

Abundance Scan 328 (8.299 min): V0056.D (-, *

#21

2-Butanone

Concen: 18.49 ug/L

RT: 8.30 min Scan# 328

Delta R.T. 0.02 min

Lab File: V0056.D

Acq: 15 Jan 96 1:19 pm

Tgt Ion:	43	Resp:	40971
Ion Ratio	Lower	Upper	
43	100		
72	19.4	0.0	38.8
0	0.0	0.0	0.0
0	0.0	0.0	0.0

Abundance Scan 626 (10.226 min): V0010.D (-, *

Abundance Scan 450 (10.187 min): V0056.D (*)

Abundance Scan 450 (10.187 min): V0056.D (-, *

#22

carbon tetrachloride

Concen: 68.42 ug/L

RT: 10.19 min Scan# 450

Delta R.T. 0.00 min

Lab File: V0056.D

Acq: 15 Jan 96 1:19 pm

Tgt Ion:	117	Resp:	541265
Ion Ratio	Lower	Upper	
117	100		
119	97.8	77.4	117.4
0	0.0	0.0	0.0
0	0.0	0.0	0.0

AbundanceScan 631 (10.303 min): V0010.D (-,

#24

benzene

Concen: 50.55 ug/L

RT: 10.26 min Scan# 455

Delta R.T. 0.02 min

Lab File: V0056.D

Acq: 15 Jan 96 1:19 pm

AbundanceScan 455 (10.264 min): V0056.D (*)

Tgt Ion:78 Resp: 1007822

Ion	Ratio	Lower	Upper
-----	-------	-------	-------

78	100		
----	-----	--	--

77	23.8	4.3	44.3
----	------	-----	------

0	0.0	0.0	0.0
---	-----	-----	-----

0	0.0	0.0	0.0
---	-----	-----	-----

AbundanceIon 78.00 (77.

Ion 77.00 (76.

AbundanceScan 455 (10.264 min): V0056.D (-,

AbundanceScan 613 (10.025 min): V0010.D (-,

#25

1,2-dichloroethane

Concen: 145.02 ug/L

RT: 9.99 min Scan# 437

Delta R.T. 0.00 min

Lab File: V0056.D

Acq: 15 Jan 96 1:19 pm

Abundance Scan 437 (9.986 min): V0056.D (*)

Tgt Ion:62 Resp: 1084003

Ion	Ratio	Lower	Upper
-----	-------	-------	-------

62	100		
----	-----	--	--

98	11.0	0.0	29.0
----	------	-----	------

0	0.0	0.0	0.0
---	-----	-----	-----

0	0.0	0.0	0.0
---	-----	-----	-----

AbundanceIon 62.00 (61.

Ion 98.00 (97.

AbundanceScan 437 (9.986 min): V0056.D (-,*

#26
trichloroethene
Concen: 96.71 ug/L
RT: 11.33 min Scan# 524
Delta R.T. 0.00 min
Lab File: V0056.D
Acq: 15 Jan 96 1:19 pm

Tgt Ion:	95	Resp:	786353
Ion	Ratio	Lower	Upper
95	100		
130	105.3	82.4	122.4
132	102.6	79.0	119.0
0	0.0	0.0	0.0

AbundanceIon 95.00 (94.
Ion 130.00 (129
Ion 132.00 (131

#29
bromodichloromethane
Concen: 57.26 ug/L
RT: 11.72 min Scan# 549
Delta R.T. 0.02 min
Lab File: V0056.D
Acq: 15 Jan 96 1:19 pm

Tgt Ion:	83	Resp:	581142
Ion	Ratio	Lower	Upper
83	100		
85	65.4	44.1	84.1
127	8.7	0.0	28.0
0	0.0	0.0	0.0

AbundanceIon 83.00 (82.
Ion 85.00 (84.
Ion 127.00 (126

AbundanceScan 833 (13.429 min): V0010.D (-,

#32

toluene

Concen: 19.64 ug/L

RT: 13.39 min Scan# 657

Delta R.T. 0.00 min

Lab File: V0056.D

Acq: 15 Jan 96 1:19 pm

Tgt Ion:92 Resp: 265636

Ion Ratio Lower Upper

92 100

91 167.5 147.6 187.6

0 0.0 0.0 0.0

0 0.0 0.0 0.0

AbundanceScan 657 (13.391 min): V0056.D (*)

AbundanceIon 92.00 (91.

Ion 91.00 (90.

100000

50000

0

13.39

Time-->13.17 13.59

AbundanceScan 657 (13.391 min): V0056.D (-,

AbundanceScan 849 (13.677 min): V0010.D (-,

#34

1,1,2-trichloroethane

Concen: 30.09 ug/L

RT: 13.64 min Scan# 673

Delta R.T. 0.00 min

Lab File: V0056.D

Acq: 15 Jan 96 1:19 pm

Tgt Ion:83 Resp: 149637

Ion Ratio Lower Upper

83 100

97 115.2 95.7 135.7

85 65.4 45.2 85.2

0 0.0 0.0 0.0

AbundanceScan 673 (13.638 min): V0056.D (*)

AbundanceIon 83.00 (82.

Ion 97.00 (96.

Ion 85.00 (84.

40000

20000

0

13.64

Time-->13.47 13.80

AbundanceScan 673 (13.638 min): V0056.D (-,

AbundanceScan 774 (12.516 min): V0010.D (*)

#36

4-Methyl-2-pentanone

Concen: 122.19 ug/L

RT: 12.48 min Scan# 598

Delta R.T. 0.00 min

Lab File: V0056.D

Acq: 15 Jan 96 1:19 pm

Tgt Ion:43 Resp: 786099

Ion Ratio Lower Upper

43 100

58 36.8 14.4 54.4

0 0.0 0.0 0.0

0 0.0 0.0 0.0

AbundanceScan 598 (12.477 min): V0056.D (*)

AbundanceIon 43.00 (42.

Ion 58.00 (57.

12.48

150000

100000

50000

0

Time-->12.18 12.83

AbundanceScan 598 (12.477 min): V0056.D (-,

AbundanceScan 912 (14.652 min): V0010.D (-,

#38

tetrachloroethene

Concen: 103.31 ug/L

RT: 14.61 min Scan# 736

Delta R.T. 0.02 min

Lab File: V0056.D

Acq: 15 Jan 96 1:19 pm

Tgt Ion:166 Resp: 1007448

Ion Ratio Lower Upper

166 100

168 48.4 28.4 68.4

129 70.9 51.9 91.9

0 0.0 0.0 0.0

AbundanceScan 736 (14.613 min): V0056.D (*)

AbundanceIon 166.00 (165

Ion 168.00 (167

Ion 129.00 (128

14.61

300000

200000

100000

0

Time-->14.33 14.90

AbundanceScan 736 (14.613 min): V0056.D (-,

AbundanceScan 986 (15.797 min): V0010.D (-,

#42

chlorobenzene

Concen: 28.00 ug/L

RT: 15.77 min Scan# 811

Delta R.T. 0.02 min

Lab File: V0056.D

Acq: 15 Jan 96 1:19 pm

Tgt Ion:112 Resp: 466583

Ion Ratio Lower Upper

112 100

77 59.9 46.9 86.9

114 32.3 12.8 52.8

0 0.0 0.0 0.0

AbundanceScan 811 (15.774 min): V0056.D (*)

AbundanceIon 112.00 (111

Ion 77.00 (76.

Ion 114.00 (113

15.77

100000

50000

0

Time-->15.54 15.98

AbundanceScan 811 (15.774 min): V0056.D (-,

AbundanceScan 1002 (16.045 min): V0010.D (-,

#44

ethylbenzene

Concen: 113.37 ug/L

RT: 16.02 min Scan# 827

Delta R.T. 0.02 min

Lab File: V0056.D

Acq: 15 Jan 96 1:19 pm

Tgt Ion:91 Resp: 3240773

Ion Ratio Lower Upper

91 100

106 31.4 9.7 49.7

0 0.0 0.0 0.0

0 0.0 0.0 0.0

AbundanceScan 827 (16.021 min): V0056.D (*)

AbundanceIon 91.00 (90.

Ion 106.00 (105

16.02

800000

600000

400000

200000

0

Time-->15.63 16.51

AbundanceScan 827 (16.021 min): V0056.D (-,

#46
o-xylene
Concen: 23.25 ug/L
RT: 16.89 min Scan# 883
Delta R.T. 0.00 min
Lab File: V0056.D
Acq: 15 Jan 96 1:19 pm

Tgt Ion:106	Resp:	245199
Ion Ratio	Lower	Upper
106 100		
91 216.0	202.7	242.7
0 0.0	0.0	0.0
0 0.0	0.0	0.0

AbundanceIon 106.00 (105
Ion 91.00 (90.

#47
styrene
Concen: 21.18 ug/L
RT: 16.86 min Scan# 881
Delta R.T. 0.00 min
Lab File: V0056.D
Acq: 15 Jan 96 1:19 pm

Tgt Ion:104	Resp:	373546
Ion Ratio	Lower	Upper
104 100		
78 46.3	32.1	72.1
0 0.0	0.0	0.0
0 0.0	0.0	0.0

AbundanceIon 104.00 (103
Ion 78.00 (77.

AbundanceScan 1071 (17.113 min): V0010.D (-

AbundanceScan 895 (17.074 min): V0056.D (*)

AbundanceScan 895 (17.074 min): V0056.D (-,

#48

bromoform

Concen: 98.37 ug/L

RT: 17.07 min Scan# 895

Delta R.T. 0.00 min

Lab File: V0056.D

Acq: 15 Jan 96 1:19 pm

Tgt Ion:173	Resp:	573658
Ion Ratio	Lower	Upper
173	100	
175	49.6	29.6 69.6
0	0.0	0.0 0.0
0	0.0	0.0 0.0

AbundanceIon 173.00 (172
150000 Ion 175.00 (174
17.07

AbundanceScan 1300 (20.657 min): V0010.D (-

AbundanceScan 1125 (20.633 min): V0056.D (*)

AbundanceScan 1125 (20.633 min): V0056.D (-

#65

1,2-dichlorobenzene

Concen: 170.98 ug/L

RT: 20.63 min Scan# 1125

Delta R.T. 0.02 min

Lab File: V0056.D

Acq: 15 Jan 96 1:19 pm

Tgt Ion:146	Resp:	2654333
Ion Ratio	Lower	Upper
146	100	
111	41.9	25.7 65.7
148	65.0	44.6 84.6
0	0.0	0.0 0.0

AbundanceIon 146.00 (145
800000 Ion 111.00 (110
Ion 148.00 (147

SW-846 Method 8260

Data File : C:\HPCHEM\1\DATA\JAN1296\V0039.D
Acq On : 12 Jan 96 11:30 am
Sample : 50nG BFB
Misc : 2ul direct injection

Vial: 1
Operator: WF
Inst : 5972 - In
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\8260W.M
Title : SW-846 Method 8260 For Waters

Peak Apex is scan: 113

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	17.4	8407	PASS
75	95	30	60	44.5	21536	PASS
95	95	100	100	100.0	48424	PASS
96	95	5	9	7.5	3629	PASS
173	174	0	2	0.0	0	PASS
174	95	50	100	78.1	37824	PASS
175	174	5	9	7.1	2704	PASS
176	174	95	101	99.8	37736	PASS
177	176	5	9	6.6	2502	PASS

Response Factor Report 5972 - In

Method : C:\HPCHEM\1\METHODS\8260W.M
 Title : SW-846 Method 8260 For Waters
 Last Update : Fri Jan 12 15:26:29 1996
 Response via : Initial Calibration

Calibration Files

20 =V0040.D 50 =V0041.D 100 =V0042.D
 150 =V0043.D 200 =V0044.D

	Compound	20	50	100	150	200	Avg	%RSD
1) I	pentafluorobenzene	-----ISTD-----						
2) T	dichlorodifluorometha	0.558	0.548	0.518	0.493	0.483	0.520	6.33
3) **	chloromethane	0.336	0.320	0.293	0.295	0.282	0.305	7.20
4) *	vinyl chloride	0.327	0.320	0.291	0.275	0.257	0.294	9.95
5) T	bromomethane	0.231	0.251	0.222	0.224	0.216	0.229	6.01
6) T	chloroethane	0.220	0.220	0.199	0.199	0.183	0.204	7.72
7) T	Acetone	0.079	0.066	0.066	0.058	0.067	0.067	11.25
8) T	trichlorofluoromethan	0.653	0.659	0.646	0.648	0.611	0.643	2.93
9) M*	1,1-dichloroethene	0.332	0.320	0.296	0.293	0.289	0.306	6.23
10) T	methylene chloride	0.382	0.331	0.299	0.293	0.288	0.318	12.27
11) T	Carbon disulfide	0.833	0.808	0.756	0.751	0.722	0.774	5.87
12) T	trans-1,2-dichloroeth	0.334	0.327	0.311	0.308	0.303	0.317	4.17
13) **	1,1-dichloroethane	0.673	0.665	0.624	0.609	0.597	0.634	5.30
14) T	2,2-dichloropropane	0.449	0.469	0.472	0.470	0.457	0.463	2.22
15) T	cis-1,2-dichloroethen	0.365	0.362	0.346	0.339	0.335	0.349	3.91
16) T	bromochloromethane	0.177	0.203	0.197	0.188	0.188	0.191	5.19
17) *	chloroform	0.618	0.630	0.604	0.590	0.583	0.605	3.18
18) S	dibromofluoromethane	0.433	0.471	0.463	0.456	0.456	0.456	3.09
19) T	1,1,1-trichloroethane	0.569	0.577	0.559	0.556	0.542	0.561	2.41
20) I	1,4-difluorobenzene	-----ISTD-----						
21) T	2-Butanone	0.088	0.107	0.110	0.102	0.115	0.104	10.03
22) T	carbon tetrachloride	0.268	0.356	0.395	0.420	0.425	0.373	17.32
23) T	1,1-dichloropropene	0.494	0.481	0.465	0.457	0.450	0.470	3.87
24) TM	benzene	0.987	0.970	0.931	0.915	0.897	0.940	4.04
25) T	1,2-dichloroethane	0.330	0.369	0.364	0.351	0.348	0.352	4.32
26) TM	trichloroethene	0.404	0.383	0.371	0.368	0.390	0.383	3.81
27) *	1,2-dichloropropane	0.375	0.384	0.370	0.361	0.354	0.369	3.17
28) T	dibromomethane	0.235	0.270	0.269	0.253	0.260	0.257	5.54
29) T	bromodichloromethane	0.424	0.490	0.496	0.497	0.486	0.478	6.44
30) T	cis-1,3-dichloroprope	0.486	0.560	0.557	0.538	0.528	0.534	5.54
31) S	toluene-d8	0.961	0.982	0.938	0.924	0.932	0.947	2.53
32) M*	toluene	0.654	0.665	0.635	0.620	0.613	0.638	3.45
33) T	trans-1,3-dichloropro	0.284	0.375	0.389	0.372	0.373	0.359	11.74
34) T	1,1,2-trichloroethane	0.210	0.244	0.244	0.234	0.239	0.234	6.02
35) I	Chlorobenzene-d5	-----ISTD-----						
36) T	4-Methyl-2-pentanone	0.336	0.375	0.391	0.376	0.420	0.379	8.06
37) T	2-Hexanone	0.173	0.250	0.264	0.248	0.289	0.245	17.68
38) T	tetrachloroethene	0.590	0.564	0.567	0.574	0.581	0.575	1.86
39) T	1,3-dichloropropane	0.556	0.600	0.607	0.589	0.606	0.592	3.61
40) T	dibromochloromethane	0.376	0.486	0.515	0.519	0.548	0.489	13.66

Response Factor Report 5972 - In

Method : C:\HPCHEM\1\METHODS\8260W.M
 Title : SW-846 Method 8260 For Waters
 Last Update : Fri Jan 12 15:26:29 1996
 Response via : Initial Calibration

Calibration Files

20 =V0040.D 50 =V0041.D 100 =V0042.D
 150 =V0043.D 200 =V0044.D

	Compound	20	50	100	150	200	Avg	%RSD
41) T	1,2-dibromoethane	0.393	0.465	0.479	0.453	0.481	0.454	7.92
42) M**	chlorobenzene	0.993	1.001	0.980	0.957	0.984	0.983	1.69
43) T	1,1,1,2-tetrachloroet	0.382	0.421	0.438	0.454	0.452	0.429	6.92
44) *	ethylbenzene	1.781	1.705	1.666	1.636	1.642	1.686	3.54
45) T	m,p-xylene	0.689	0.645	0.631	0.622	0.624	0.642	4.33
46) T	o-xylene	0.663	0.625	0.616	0.603	0.602	0.622	4.01
47) T	styrene	1.062	1.056	1.038	1.010	1.034	1.040	1.97
48) **	bromoform	0.219	0.333	0.377	0.376	0.416	0.344	22.03
49) I	1,4-dichlorobenzene-d	-----ISTD-----						
50) T	isopropylbenzene	3.286	3.017	2.907	2.912	2.799	2.984	6.21
51) S	4-bromofluorobenzene	1.226	1.238	1.189	1.191	1.188	1.207	1.99
52) T	bromobenzene	0.816	0.857	0.837	0.825	0.832	0.833	1.83
53) **	1,1,2,2-tetrachloroet	0.528	0.729	0.765	0.750	0.684	0.691	13.93
54) T	1,2,3-trichloropropan	0.192	0.214	0.204	0.203	0.210	0.204	4.01
55) T	n-propylbenzene	3.834	3.525	3.389	3.329	3.291	3.473	6.34
56) T	2-chlorotoluene	2.360	2.244	2.220	2.168	2.155	2.229	3.67
57) T	4-chlorotoluene	2.621	2.448	2.276	2.305	2.199	2.370	7.05
58) T	1,3,5-trimethylbenzen	2.560	2.306	2.204	2.170	2.178	2.284	7.18
59) T	tert-butylbenzene	1.965	1.754	1.689	1.672	1.646	1.745	7.39
60) T	1,2,4-trimethylbenzen	2.560	2.306	2.204	2.170	2.178	2.284	7.18
61) T	sec-butylbenzene	3.899	3.492	3.355	3.289	3.278	3.462	7.46
62) T	1,3-dichlorobenzene	1.563	1.533	1.503	1.492	1.477	1.514	2.28
63) T	4-isopropyltoluene	3.232	2.910	2.811	2.734	2.758	2.889	7.04
64) T	1,4-dichlorobenzene	1.599	1.571	1.528	1.514	1.501	1.543	2.67
65) T	1,2-dichlorobenzene	1.435	1.448	1.405	1.406	1.382	1.415	1.87
66) T	n-butylbenzene	3.077	2.659	2.554	2.439	2.533	2.652	9.42
67) T	1,2-dibromo-3-chlorop	0.108	0.180	0.198	0.195	0.190	0.174	21.64
68) T	1,2,4-trichlorobenzen	1.058	1.033	1.038	0.997	1.083	1.042	3.04
69) T	hexachlorobutadiene	0.939	0.855	0.886	0.863	0.889	0.886	3.71
70) T	naphthalene	1.128	1.368	1.443	1.319	1.553	1.362	11.58
71) T	1,2,3-trichlorobenzen	0.854	0.877	0.898	0.861	0.957	0.889	4.67

Quantitation Report

Data File : C:\HPCHEM\1\DATA\JAN1595\V0053.D
Acq On : 15 Jan 96 11:32 am
Sample : ECO-001-4A
Misc : VOATEST04,W,5,8260
Quant Time: Jan 15 12:10 1996

Vial: 7
Operator: WF
Inst : 5972 - In
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\8260W.M
Title : SW-846 Method 8260 For Waters
Last Update : Mon Jan 15 09:34:17 1996
Response via : Multiple Level Calibration

#10
methylene chloride
Concen: 112.01 ug/L
RT: 6.52 min Scan# 213
Delta R.T. 0.02 min
Lab File: V0053.D
Acq: 15 Jan 96 11:32 am

Tgt Ion:84 Resp: 718757
Ion Ratio Lower Upper
84 100
86 66.2 45.8 85.8
49 137.3 132.9 172.9
0 0.0 0.0 0.0

#12
trans-1,2-dichloroethene
Concen: 29.87 ug/L
RT: 7.21 min Scan# 258
Delta R.T. 0.03 min
Lab File: V0053.D
Acq: 15 Jan 96 11:32 am

Tgt Ion:96 Resp: 190631
Ion Ratio Lower Upper
96 100
61 148.5 144.5 184.5
98 64.6 44.7 84.7
0 0.0 0.0 0.0

#17
chloroform
Concen: 79.22 ug/L
RT: 8.92 min Scan# 368
Delta R.T. 0.03 min
Lab File: V0053.D
Acq: 15 Jan 96 11:32 am

Tgt Ion:83	Resp: 958666		
Ion	Ratio	Lower	Upper
83	100		
85	66.7	45.9	85.9
0	0.0	0.0	0.0
0	0.0	0.0	0.0

#19
1,1,1-trichloroethane
Concen: 49.11 ug/L
RT: 9.72 min Scan# 420
Delta R.T. 0.02 min
Lab File: V0053.D
Acq: 15 Jan 96 11:32 am

Tgt Ion:97	Resp: 554673		
Ion	Ratio	Lower	Upper
97	100		
99	65.8	44.3	84.3
61	48.3	31.6	71.6
0	0.0	0.0	0.0

Abundance Scan 504 (8.338 min): V0010.D (*)

#21

2-Butanone

Concen: 18.05 ug/L

RT: 8.31 min Scan# 329

Delta R.T. 0.03 min

Lab File: V0053.D

Acq: 15 Jan 96 11:32 am

Tgt Ion:	43	Resp:	40096
Ion	Ratio	Lower	Upper
43	100		
72	23.2	0.0	38.8
0	0.0	0.0	0.0
0	0.0	0.0	0.0

Abundance Scan 329 (8.314 min): V0053.D (*)

Abundance Ion 43.00 (42.811)

Ion 72.00 (71.811)

8.31

Abundance Scan 329 (8.314 min): V0053.D (-,*)

Abundance Scan 626 (10.226 min): V0010.D (-,*)

#22

carbon tetrachloride

Concen: 71.12 ug/L

RT: 10.20 min Scan# 451

Delta R.T. 0.02 min

Lab File: V0053.D

Acq: 15 Jan 96 11:32 am

Tgt Ion:	117	Resp:	564088
Ion	Ratio	Lower	Upper
117	100		
119	97.9	77.4	117.4
0	0.0	0.0	0.0
0	0.0	0.0	0.0

Abundance Scan 451 (10.202 min): V0053.D (*)

Abundance Ion 117.00 (116.811)

Ion 119.00 (118.811)

10.20

Abundance Scan 451 (10.202 min): V0053.D (-,*)

#24
benzene
Concen: 50.08 ug/L
RT: 10.28 min Scan# 456
Delta R.T. 0.03 min
Lab File: V0053.D
Acq: 15 Jan 96 11:32 am

Tgt Ion:78	Resp: 1001113
Ion Ratio	Lower Upper
78 100	
77 24.0	4.3 44.3
0 0.0	0.0 0.0
0 0.0	0.0 0.0

#25
1,2-dichloroethane
Concen: 138.93 ug/L
RT: 10.00 min Scan# 438
Delta R.T. 0.02 min
Lab File: V0053.D
Acq: 15 Jan 96 11:32 am

Tgt	Ion:62	Resp: 1041180	
Ion	Ratio	Lower	Upper
62	100		
98	11.1	0.0	29.0
0	0.0	0.0	0.0
0	0.0	0.0	0.0

#26
trichloroethene
Concen: 97.07 ug/L
RT: 11.35 min Scan# 525
Delta R.T. 0.02 min
Lab File: V0053.D
Acq: 15 Jan 96 11:32 am

Tgt Ion:	95	Resp:	791332
Ion	Ratio	Lower	Upper
95	100		
130	107.0	82.4	122.4
132	105.3	79.0	119.0
0	0.0	0.0	0.0

#29
bromodichloromethane
Concen: 54.42 ug/L
RT: 11.72 min Scan# 549
Delta R.T. 0.02 min
Lab File: V0053.D
Acq: 15 Jan 96 11:32 am

Tgt Ion:	83	Resp:	553767
Ion	Ratio	Lower	Upper
83	100		
85	65.1	44.1	84.1
127	8.5	0.0	28.0
0	0.0	0.0	0.0

#32
toluene
Concen: 19.48 ug/L
RT: 13.41 min Scan# 658
Delta R.T. 0.02 min
Lab File: V0053.D
Acq: 15 Jan 96 11:32 am

Tgt	Ion:92	Resp:	264106
Ion	Ratio	Lower	Upper
92	100		
91	164.1	147.6	187.6
0	0.0	0.0	0.0
0	0.0	0.0	0.0

AbundanceIon 92.00 (91.
Ion 91.00 (90.

#34
1,1,2-trichloroethane
Concen: 28.52 ug/L
RT: 13.65 min Scan# 674
Delta R.T. 0.02 min
Lab File: V0053.D
Acq: 15 Jan 96 11:32 am

Tgt	Ion:83	Resp:	142240
Ion	Ratio	Lower	Upper
83	100		
97	114.3	95.7	135.7
85	65.6	45.2	85.2
0	0.0	0.0	0.0

AbundanceIon 83.00 (82.
Ion 97.00 (96.
Ion 85.00 (84.

AbundanceScan 774 (12.516 min): V0010.D (*)

#36

4-Methyl-2-pentanone

Concen: 119.07 ug/L

RT: 12.48 min Scan# 598

Delta R.T. 0.00 min

Lab File: V0053.D

Acq: 15 Jan 96 11:32 am

Tgt Ion:43 Resp: 759831

Ion Ratio Lower Upper

43 100

58 36.2 14.4 54.4

0 0.0 0.0 0.0

0 0.0 0.0 0.0

AbundanceScan 598 (12.477 min): V0053.D (*)

AbundanceIon 43.00 (42.

Ion 58.00 (57.

AbundanceScan 598 (12.477 min): V0053.D (-,

AbundanceScan 912 (14.652 min): V0010.D (-,

#38

tetrachloroethene

Concen: 106.71 ug/L

RT: 14.61 min Scan# 736

Delta R.T. 0.02 min

Lab File: V0053.D

Acq: 15 Jan 96 11:32 am

Tgt Ion:166 Resp: 1032128

Ion Ratio Lower Upper

166 100

168 48.5 28.4 68.4

129 73.2 51.9 91.9

0 0.0 0.0 0.0

AbundanceScan 736 (14.612 min): V0053.D (*)

AbundanceIon 166.00 (165

Ion 168.00 (167

Ion 129.00 (128

AbundanceScan 736 (14.612 min): V0053.D (-,

AbundanceScan 986 (15.797 min): V0010.D (-,

#42

chlorobenzene

Concen: 27.59 ug/L

RT: 15.77 min Scan# 811

Delta R.T. 0.02 min

Lab File: V0053.D

Acq: 15 Jan 96 11:32 am

Tgt Ion:112 Resp: 456057

Ion Ratio Lower Upper

112 100

77 61.6 46.9 86.9

114 32.7 12.8 52.8

0 0.0 0.0 0.0

AbundanceScan 811 (15.773 min): V0053.D (*)

AbundanceIon 112.00 (111

Ion 77.00 (76.

Ion 114.00 (113

15.77

100000

50000

0

Time-->15.54

15.98

AbundanceScan 811 (15.773 min): V0053.D (-,

AbundanceScan 1002 (16.045 min): V0010.D (-

#44

ethylbenzene

Concen: 113.81 ug/L

RT: 16.02 min Scan# 827

Delta R.T. 0.02 min

Lab File: V0053.D

Acq: 15 Jan 96 11:32 am

Tgt Ion:91 Resp: 3227126

Ion Ratio Lower Upper

91 100

106 31.0 9.7 49.7

0 0.0 0.0 0.0

0 0.0 0.0 0.0

AbundanceScan 827 (16.021 min): V0053.D (*)

AbundanceIon 91.00 (90.

Ion 106.00 (105

16.02

800000

600000

400000

200000

0

Time-->15.65

16.51

AbundanceScan 827 (16.021 min): V0053.D (-,

AbundanceScan 1059 (16.927 min): V0010.D (-

AbundanceScan 884 (16.903 min): V0053.D (*)

AbundanceScan 884 (16.903 min): V0053.D (-,

#46

o-xylene

Concen: 22.74 ug/L

RT: 16.90 min Scan# 884

Delta R.T. 0.02 min

Lab File: V0053.D

Acq: 15 Jan 96 11:32 am

Tgt Ion:106	Resp:	237867
Ion Ratio	Lower	Upper
106	100	
91	213.9	202.7 242.7
0	0.0	0.0 0.0
0	0.0	0.0 0.0

AbundanceIon 106.00 (105
Ion 91.00 (90.

AbundanceScan 1057 (16.896 min): V0010.D (*)

AbundanceScan 881 (16.856 min): V0053.D (*)

AbundanceScan 881 (16.856 min): V0053.D (-,

#47

styrene

Concen: 20.64 ug/L

RT: 16.86 min Scan# 881

Delta R.T. 0.00 min

Lab File: V0053.D

Acq: 15 Jan 96 11:32 am

Tgt Ion:104	Resp:	361090
Ion Ratio	Lower	Upper
104	100	
78	46.0	32.1 72.1
0	0.0	0.0 0.0
0	0.0	0.0 0.0

AbundanceIon 104.00 (103
Ion 78.00 (77.

AbundanceScan 1071 (17.113 min): V0010.D (-

#48

bromoform

Concen: 91.25 ug/L

RT: 17.09 min Scan# 896

Delta R.T. 0.02 min

Lab File: V0053.D

Acq: 15 Jan 96 11:32 am

Tgt Ion:173 Resp: 527790

Ion Ratio Lower Upper

173 100

175 49.4 29.6 69.6

0 0.0 0.0 0.0

0 0.0 0.0 0.0

AbundanceScan 896 (17.089 min): V0053.D (*)

AbundanceIon 173.00 (172

Ion 175.00 (174

17.09

100000

50000

0

Time-->16.89 17.26

AbundanceScan 896 (17.089 min): V0053.D (-,

AbundanceScan 1300 (20.657 min): V0010.D (-

#65

1,2-dichlorobenzene

Concen: 168.02 ug/L

RT: 20.63 min Scan# 1125

Delta R.T. 0.02 min

Lab File: V0053.D

Acq: 15 Jan 96 11:32 am

Tgt Ion:146 Resp: 2542019

Ion Ratio Lower Upper

146 100

111 42.5 25.7 65.7

148 65.2 44.6 84.6

0 0.0 0.0 0.0

AbundanceScan 1125 (20.633 min): V0053.D (*)

AbundanceIon 146.00 (145

Ion 111.00 (110

Ion 148.00 (147

600000

400000

200000

0

Time-->20.29 21.09

AbundanceScan 1125 (20.633 min): V0053.D (-

Quantitation Report

Data File : C:\HPCHEM\1\DATA\JAN1595\V0054.D
Acq On : 15 Jan 96 12:09 pm
Sample : ECO-001-5A
Misc : VOATEST05,W,5,8260
Quant Time: Jan 15 12:53 1996

Vial: 8
Operator: WF
Inst : 5972 - In
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\8260W.M
Title : SW-846 Method 8260 For Waters
Last Update : Mon Jan 15 09:34:17 1996
Response via : Multiple Level Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) pentafluorobenzene	9.32	168	979259	50.00	ug/L	0.00
20) 1,4-difluorobenzene	10.70	114	1045859	50.00	ug/L	0.00
35) Chlorobenzene-d5	15.70	117	839977	50.00	ug/L	0.00
49) 1,4-dichlorobenzene-d4	19.95	152	536370	50.00	ug/L	0.00

System Monitoring Compounds						%Recovery
18) dibromofluoromethane	9.15	113	425494	47.65	ug/L	95.30%
31) toluene-d8	13.27	98	1007438	50.85	ug/L	101.69%
51) 4-bromofluorobenzene	17.79	95	641782	49.59	ug/L	99.17%

Target Compounds						Qvalue
10) methylene chloride	6.50	84	762919	122.31	ug/L	94
12) trans-1,2-dichloroethene	7.20	96	202065	32.57	ug/L	93
17) chloroform	8.90	83	1016050	86.68	ug/L	100
19) 1,1,1-trichloroethane	9.71	97	577709	52.62	ug/L	97
21) 2-Butanone	8.30	43	50824	23.26	ug/L	97
22) carbon tetrachloride	10.19	117	586875	75.23	ug/L	99
24) benzene	10.26	78	1058730	53.85	ug/L	99
25) 1,2-dichloroethane	9.99	62	1139046	154.53	ug/L	95
26) trichloroethene	11.33	95	834171	104.04	ug/L	95
29) bromodichloromethane	11.70	83	597363	59.69	ug/L	99
32) toluene	13.39	92	280606	21.04	ug/L	98
34) 1,1,2-trichloroethane	13.64	83	159325	32.48	ug/L	100
36) 4-Methyl-2-pentanone	12.46	43	989495	155.22	ug/L	97
38) tetrachloroethene	14.61	166	1075079	111.26	ug/L	98
42) chlorobenzene	15.76	112	486405	29.46	ug/L	97
44) ethylbenzene	16.01	91	3432716	121.19	ug/L	98
46) o-xylene	16.89	106	254901	24.40	ug/L	95
47) styrene	16.86	104	391201	22.39	ug/L	93
48) bromoform	17.07	173	633079	109.56	ug/L	100
65) 1,2-dichlorobenzene	20.62	146	2738564	180.41	ug/L	98

WF 1/15/96

Ⓢ 1/15/96

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

Quantitation Report

Data File : C:\HPCHEM\1\DATA\JAN1595\V0054.D
Acq On : 15 Jan 96 12:09 pm
Sample : ECO-001-5A
Misc : VOATEST05,W,5,8260
Quant Time: Jan 15 12:53 1996

Vial: 8
Operator: WF
Inst : 5972 - In
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\8260W.M
Title : SW-846 Method 8260 For Waters
Last Update : Mon Jan 15 09:34:17 1996
Response via : Multiple Level Calibration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\JAN1595\V0054.D
 Acq On : 15 Jan 96 12:09 pm
 Sample : ECO-001-5A
 Misc : VOATEST05,W,5,8260
 Quant Time: Jan 15 12:53 1996

Vial: 8
 Operator: WF
 Inst : 5972 - In
 Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\8260W.M
 Title : SW-846 Method 8260 For Waters
 Last Update : Mon Jan 15 09:34:17 1996
 Response via : Multiple Level Calibration

AbundanceScan 389 (6.558 min): V0010.D (-,*

#10
methylene chloride
Concen: 122.31 ug/L
RT: 6.50 min Scan# 212
Delta R.T. 0.00 min
Lab File: V0054.D
Acq: 15 Jan 96 12:09 pm

Tgt Ion:	84	Resp:	762919
Ion	Ratio	Lower	Upper
84	100		
86	65.5	45.8	85.8
49	141.2	132.9	172.9
0	0.0	0.0	0.0

AbundanceScan 212 (6.503 min): V0054.D (*)

Abundance	Ion	84.00 (83.
	Ion	86.00 (85.
	Ion	49.00 (48.

AbundanceScan 212 (6.503 min): V0054.D (-,*

AbundanceScan 433 (7.239 min): V0010.D (-,*

#12
trans-1,2-dichloroethene
Concen: 32.57 ug/L
RT: 7.20 min Scan# 257
Delta R.T. 0.02 min
Lab File: V0054.D
Acq: 15 Jan 96 12:09 pm

Tgt Ion:	96	Resp:	202065
Ion	Ratio	Lower	Upper
96	100		
61	152.2	144.5	184.5
98	65.4	44.7	84.7
0	0.0	0.0	0.0

AbundanceScan 257 (7.200 min): V0054.D (*)

Abundance	Ion	96.00 (95.
	Ion	61.00 (60.
	Ion	98.00 (97.

AbundanceScan 257 (7.200 min): V0054.D (-,*

#17
chloroform
Concen: 86.68 ug/L
RT: 8.90 min Scan# 367
Delta R.T. 0.02 min
Lab File: V0054.D
Acq: 15 Jan 96 12:09 pm

Tgt Ion:83 Resp: 1016050
Ion Ratio Lower Upper
83 100
85 66.1 45.9 85.9
0 0.0 0.0 0.0
0 0.0 0.0 0.0

#19
1,1,1-trichloroethane
Concen: 52.62 ug/L
RT: 9.71 min Scan# 419
Delta R.T. 0.00 min
Lab File: V0054.D
Acq: 15 Jan 96 12:09 pm

Tgt Ion:97 Resp: 577709
Ion Ratio Lower Upper
97 100
99 66.3 44.3 84.3
61 48.9 31.6 71.6
0 0.0 0.0 0.0

Abundance Scan 504 (8.338 min): V0010.D (*)

#21
2-Butanone
Concen: 23.26 ug/L
RT: 8.30 min Scan# 328
Delta R.T. 0.02 min
Lab File: V0054.D
Acq: 15 Jan 96 12:09 pm

Tgt Ion:43	Resp:	50824
Ion Ratio	Lower	Upper
43 100		
72 20.3	0.0	38.8
0 0.0	0.0	0.0
0 0.0	0.0	0.0

Abundance Scan 328 (8.299 min): V0054.D (*)

Abundance Ion 43.00 (42.10000)

Abundance Scan 328 (8.299 min): V0054.D (-, *

Abundance Scan 626 (10.226 min): V0010.D (-, *

#22
carbon tetrachloride
Concen: 75.23 ug/L
RT: 10.19 min Scan# 450
Delta R.T. 0.00 min
Lab File: V0054.D
Acq: 15 Jan 96 12:09 pm

Tgt Ion:117	Resp:	586875
Ion Ratio	Lower	Upper
117 100		
119 98.1	77.4	117.4
0 0.0	0.0	0.0
0 0.0	0.0	0.0

Abundance Scan 450 (10.187 min): V0054.D (*)

Abundance Ion 117.00 (116.10000)

Abundance Scan 450 (10.187 min): V0054.D (-, *

#24
benzene
Concen: 53.85 ug/L
RT: 10.26 min Scan# 455
Delta R.T. 0.02 min
Lab File: V0054.D
Acq: 15 Jan 96 12:09 pm

Tgt Ion:78 Resp: 1058730
Ion Ratio Lower Upper
78 100
77 23.9 4.3 44.3
0 0.0 0.0 0.0
0 0.0 0.0 0.0

#25
1,2-dichloroethane
Concen: 154.53 ug/L
RT: 9.99 min Scan# 437
Delta R.T. 0.00 min
Lab File: V0054.D
Acq: 15 Jan 96 12:09 pm

Tgt Ion:62 Resp: 1139046
Ion Ratio Lower Upper
62 100
98 10.9 0.0 29.0
0 0.0 0.0 0.0
0 0.0 0.0 0.0

#26
trichloroethene
Concen: 104.04 ug/L
RT: 11.33 min Scan# 524
Delta R.T. 0.00 min
Lab File: V0054.D
Acq: 15 Jan 96 12:09 pm

Tgt	Ion:95	Resp:	834171
Ion	Ratio	Lower	Upper
95	100		
130	106.3	82.4	122.4
132	104.7	79.0	119.0
0	0.0	0.0	0.0

Abundance	Ion	95.00 (94.
	Ion 130.00	(129
	Ion 132.00	(131

#29
bromodichloromethane
Concen: 59.69 ug/L
RT: 11.70 min Scan# 548
Delta R.T. 0.00 min
Lab File: V0054.D
Acq: 15 Jan 96 12:09 pm

Tgt	Ion:83	Resp:	597363
Ion	Ratio	Lower	Upper
83	100		
85	64.4	44.1	84.1
127	8.5	0.0	28.0
0	0.0	0.0	0.0

Abundance	Ion	83.00 (82.
	Ion 85.00	(84.
	Ion 127.00	(126

#32
toluene
Concen: 21.04 ug/L
RT: 13.39 min Scan# 657
Delta R.T. 0.00 min
Lab File: V0054.D
Acq: 15 Jan 96 12:09 pm

Tgt Ion:92	Resp: 280606
Ion Ratio	Lower Upper
92 100	
91 165.5	147.6 187.6
0 0.0	0.0 0.0
0 0.0	0.0 0.0

#34
1,1,2-trichloroethane
Concen: 32.48 ug/L
RT: 13.64 min Scan# 673
Delta R.T. 0.00 min
Lab File: V0054.D
Acq: 15 Jan 96 12:09 pm

Tgt Ion:83	Resp: 159325
Ion Ratio	Lower Upper
83 100	
97 115.7	95.7 135.7
85 65.3	45.2 85.2
0 0.0	0.0 0.0

AbundanceScan 774 (12.516 min): V0010.D (*)

#36

4-Methyl-2-pentanone

Concen: 155.22 ug/L

RT: 12.46 min Scan# 597

Delta R.T. -0.01 min

Lab File: V0054.D

Acq: 15 Jan 96 12:09 pm

Tgt Ion:43 Resp: 989495

Ion Ratio Lower Upper

43 100

58 35.9 14.4 54.4

0 0.0 0.0 0.0

0 0.0 0.0 0.0

AbundanceScan 597 (12.462 min): V0054.D (*)

AbundanceIon 43.00 (42.

Ion 58.00 (57.

AbundanceScan 597 (12.462 min): V0054.D (-,

AbundanceScan 912 (14.652 min): V0010.D (-,

#38

tetrachloroethene

Concen: 111.26 ug/L

RT: 14.61 min Scan# 736

Delta R.T. 0.02 min

Lab File: V0054.D

Acq: 15 Jan 96 12:09 pm

Tgt Ion:166 Resp: 1075079

Ion Ratio Lower Upper

166 100

168 49.3 28.4 68.4

129 70.5 51.9 91.9

0 0.0 0.0 0.0

AbundanceScan 736 (14.613 min): V0054.D (*)

AbundanceIon 166.00 (165

Ion 168.00 (167

Ion 129.00 (128

AbundanceScan 736 (14.613 min): V0054.D (-,

#42
chlorobenzene
Concen: 29.46 ug/L
RT: 15.76 min Scan# 810
Delta R.T. 0.00 min
Lab File: V0054.D
Acq: 15 Jan 96 12:09 pm

Tgt Ion:	112	Resp:	486405
Ion	Ratio	Lower	Upper
112	100		
77	63.0	46.9	86.9
114	32.5	12.8	52.8
0	0.0	0.0	0.0

Abundance	Ion	112.00 (111
150000	Ion	77.00 (76.
	Ion	114.00 (113

#44
ethylbenzene
Concen: 121.19 ug/L
RT: 16.01 min Scan# 826
Delta R.T. 0.00 min
Lab File: V0054.D
Acq: 15 Jan 96 12:09 pm

Tgt Ion:	91	Resp:	3432716
Ion	Ratio	Lower	Upper
91	100		
106	31.0	9.7	49.7
0	0.0	0.0	0.0
0	0.0	0.0	0.0

#46
o-xylene
Concen: 24.40 ug/L
RT: 16.89 min Scan# 883
Delta R.T. 0.00 min
Lab File: V0054.D
Acq: 15 Jan 96 12:09 pm

Tgt Ion	Ratio	Lower	Upper
106	100		
91	214.1	202.7	242.7
0	0.0	0.0	0.0
0	0.0	0.0	0.0

#47
styrene
Concen: 22.39 ug/L
RT: 16.86 min Scan# 881
Delta R.T. 0.00 min
Lab File: V0054.D
Acq: 15 Jan 96 12:09 pm

Tgt Ion	Ratio	Lower	Upper
104	100		
78	47.4	32.1	72.1
0	0.0	0.0	0.0
0	0.0	0.0	0.0

#48
bromoform
Concen: 109.56 ug/L
RT: 17.07 min Scan# 895
Delta R.T. 0.00 min
Lab File: V0054.D
Acq: 15 Jan 96 12:09 pm

Tgt Ion:173	Resp: 633079
Ion Ratio	Lower Upper
173 100	
175 49.5	29.6 69.6
0 0.0	0.0 0.0
0 0.0	0.0 0.0

#65
1,2-dichlorobenzene
Concen: 180.41 ug/L
RT: 20.62 min Scan# 1124
Delta R.T. 0.00 min
Lab File: V0054.D
Acq: 15 Jan 96 12:09 pm

Tgt Ion:146	Resp: 2738564
Ion Ratio	Lower Upper
146 100	
111 42.9	25.7 65.7
148 65.1	44.6 84.6
0 0.0	0.0 0.0

Quantitation Report

Data File : C:\HPCHEM\1\DATA\JAN1595\V0055.D
Acq On : 15 Jan 96 12:42 pm
Sample : ECO-001-6A
Misc : VOATEST06,W,5,8260
Quant Time: Jan 15 13:38 1996

Vial: 9
Operator: WF
Inst : 5972 - In
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\8260W.M
Title : SW-846 Method 8260 For Waters
Last Update : Mon Jan 15 09:34:17 1996
Response via : Multiple Level Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) pentafluorobenzene	9.35	168	974588	50.00	ug/L	0.03
20) 1,4-difluorobenzene	10.71	114	1029455	50.00	ug/L	0.02
35) Chlorobenzene-d5	15.71	117	804656	50.00	ug/L	0.02
49) 1,4-dichlorobenzene-d4	19.95	152	522222	50.00	ug/L	0.00

System Monitoring Compounds						%Recovery
18) dibromofluoromethane	9.17	113	433002	48.73	ug/L	97.45%
31) toluene-d8	13.28	98	984015	50.46	ug/L	100.91%
51) 4-bromofluorobenzene	17.80	95	611381	48.52	ug/L	97.03%

Target Compounds						Qvalue
9) 1,1-dichloroethene	6.04	96	458983	76.94	ug/L	# 84
10) methylene chloride	6.54	84	667498	107.52	ug/L	92
17) chloroform	8.92	83	1153824	99.38	ug/L	99
19) 1,1,1-trichloroethane	9.72	97	946780	86.65	ug/L	98
22) carbon tetrachloride	10.20	117	449523	58.54	ug/L	99
24) benzene	10.28	78	337278	17.43	ug/L	100
25) 1,2-dichloroethane	10.00	62	740796	102.10	ug/L	94
26) trichloroethene	11.35	95	382638	48.48	ug/L	95
29) bromodichloromethane	11.72	83	1018371	103.37	ug/L	99
32) toluene	13.41	92	489979	37.32	ug/L	99
36) 4-Methyl-2-pentanone	12.48	43	497408	81.45	ug/L	97
38) tetrachloroethene	14.61	166	525822	56.81	ug/L	98
40) dibromochloromethane	14.47	129	786700	99.99	ug/L	100
42) chlorobenzene	15.77	112	393145	24.86	ug/L	95
43) 1,1,1,2-tetrachloroethane	15.84	131	611656	88.49	ug/L	99
44) ethylbenzene	16.02	91	2699434	99.48	ug/L	97
45) m,p-xylene	16.19	106	673791	65.20	ug/L	97
46) o-xylene	16.90	106	1771845	177.02	ug/L	93
48) bromoform	17.09	173	870090	157.19	ug/L	99
62) 1,3-dichlorobenzene	19.86	146	2301464	145.58	ug/L	97
64) 1,4-dichlorobenzene	20.01	146	705564	43.79	ug/L	97
65) 1,2-dichlorobenzene	20.63	146	541736	36.65	ug/L	97

WF 1/15/96
(WF) 1/15/96

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

Quantitation Report

Data File : C:\HPCHEM\1\DATA\JAN1595\V0055.D
 Acq On : 15 Jan 96 12:42 pm
 Sample : ECO-001-6A
 Misc : VOATEST06,W,5,8260
 Quant Time: Jan 15 13:38 1996

Vial: 9
 Operator: WF
 Inst : 5972 - In
 Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\8260W.M
 Title : SW-846 Method 8260 For Waters
 Last Update : Mon Jan 15 09:34:17 1996
 Response via : Multiple Level Calibration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\JAN1595\V0055.D
Acq On : 15 Jan 96 12:42 pm
Sample : ECO-001-6A
Misc : VOATEST06,W,5,8260
Quant Time: Jan 15 13:38 1996

Vial: 9
Operator: WF
Inst : 5972 - In
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\8260W.M
Title : SW-846 Method 8260 For Waters
Last Update : Mon Jan 15 09:34:17 1996
Response via : Multiple Level Calibration

AbundanceScan 356 (6.047 min): V0010.D (-,*

Abundance Scan 182 (6.040 min): V0055.D (*)

AbundanceScan 182 (6.040 min): V0055.D (-,*

#9

1,1-dichloroethene

Concen: 76.94 ug/L

RT: 6.04 min Scan# 182

Delta R.T. 0.05 min

Lab File: V0055.D

Acq: 15 Jan 96 12:42 pm

Tgt Ion:96 Resp: 458983

Ion Ratio Lower Upper

96	100		
61	169.2	175.6	215.6#
63	55.5	44.1	84.1
0	0.0	0.0	0.0

AbundanceIon 96.00 (95.
200000 Ion 61.00 (60.
Ion 63.00 (62.

Time-->5.73 6.41

AbundanceScan 389 (6.558 min): V0010.D (-,*

Abundance Scan 214 (6.535 min): V0055.D (*)

AbundanceScan 214 (6.535 min): V0055.D (-,*

#10

methylene chloride

Concen: 107.52 ug/L

RT: 6.54 min Scan# 214

Delta R.T. 0.03 min

Lab File: V0055.D

Acq: 15 Jan 96 12:42 pm

Tgt Ion:84 Resp: 667498

Ion Ratio Lower Upper

84	100		
86	65.9	45.8	85.8
49	138.2	132.9	172.9
0	0.0	0.0	0.0

AbundanceIon 84.00 (83.
200000 Ion 86.00 (85.
Ion 49.00 (48.

Time-->6.23 6.98

AbundanceScan 543 (8.941 min): V0010.D (-,*

#17
chloroform
Concen: 99.38 ug/L
RT: 8.92 min Scan# 368
Delta R.T. 0.03 min
Lab File: V0055.D
Acq: 15 Jan 96 12:42 pm

Tgt Ion:83 Resp: 1153824
Ion Ratio Lower Upper
83 100
85 66.5 45.9 85.9
0 0.0 0.0 0.0
0 0.0 0.0 0.0

Abundance Scan 368 (8.919 min): V0055.D (*)

AbundanceIon 83.00 (82.
Ion 85.00 (84.

AbundanceScan 368 (8.919 min): V0055.D (-,*

AbundanceScan 595 (9.746 min): V0010.D (-,*

#19
1,1,1-trichloroethane
Concen: 86.65 ug/L
RT: 9.72 min Scan# 420
Delta R.T. 0.02 min
Lab File: V0055.D
Acq: 15 Jan 96 12:42 pm

Tgt Ion:97 Resp: 946780
Ion Ratio Lower Upper
97 100
99 65.3 44.3 84.3
61 49.1 31.6 71.6
0 0.0 0.0 0.0

Abundance Scan 420 (9.723 min): V0055.D (*)

AbundanceIon 97.00 (96.
Ion 99.00 (98.
Ion 61.00 (60.

AbundanceScan 420 (9.723 min): V0055.D (-,*

carbon tetrachloride
Concen: 58.54 ug/L
RT: 10.20 min Scan# 451
Delta R.T. 0.02 min
Lab File: V0055.D
Acq: 15 Jan 96 12:42 pm

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.9	77.4	117.4
0	0.0	0.0	0.0
0	0.0	0.0	0.0

benzene
Concen: 17.43 ug/L
RT: 10.28 min Scan# 456
Delta R.T. 0.03 min
Lab File: V0055.D
Acq: 15 Jan 96 12:42 pm

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.4	4.3	44.3
0	0.0	0.0	0.0
0	0.0	0.0	0.0

#25
1,2-dichloroethane
Concen: 102.10 ug/L
RT: 10.00 min Scan# 438
Delta R.T. 0.02 min
Lab File: V0055.D
Acq: 15 Jan 96 12:42 pm

Tgt Ion:	62	Resp:	740796
Ion	Ratio	Lower	Upper
62	100		
98	11.2	0.0	29.0
0	0.0	0.0	0.0
0	0.0	0.0	0.0

AbundanceIon 62.00 (61.
Ion 98.00 (97.
10.00

#26
trichloroethene
Concen: 48.48 ug/L
RT: 11.35 min Scan# 525
Delta R.T. 0.02 min
Lab File: V0055.D
Acq: 15 Jan 96 12:42 pm

Tgt Ion:	95	Resp:	382638
Ion	Ratio	Lower	Upper
95	100		
130	107.0	82.4	122.4
132	104.3	79.0	119.0
0	0.0	0.0	0.0

AbundanceIon 95.00 (94.
Ion 130.00 (129
Ion 132.00 (131

AbundanceScan 724 (11.742 min): V0010.D (-,

#29

bromodichloromethane

Concen: 103.37 ug/L

RT: 11.72 min Scan# 549

Delta R.T. 0.02 min

Lab File: V0055.D

Acq: 15 Jan 96 12:42 pm

Tgt Ion:83 Resp: 1018371

Ion Ratio Lower Upper

83 100

85 64.8 44.1 84.1

127 8.5 0.0 28.0

0 0.0 0.0 0.0

AbundanceScan 549 (11.720 min): V0055.D (*)

AbundanceIon 83.00 (82.

300000 Ion 85.00 (84.

Ion 127.00 (126

11.72

200000

100000

0

Time-->11.46 12.02

AbundanceScan 549 (11.720 min): V0055.D (-,

AbundanceScan 833 (13.429 min): V0010.D (-,

#32

toluene

Concen: 37.32 ug/L

RT: 13.41 min Scan# 658

Delta R.T. 0.02 min

Lab File: V0055.D

Acq: 15 Jan 96 12:42 pm

Tgt Ion:92 Resp: 489979

Ion Ratio Lower Upper

92 100

91 166.5 147.6 187.6

0 0.0 0.0 0.0

0 0.0 0.0 0.0

AbundanceScan 658 (13.407 min): V0055.D (*)

AbundanceIon 92.00 (91.

200000 Ion 91.00 (90.

150000

100000

50000

0

Time-->13.16 13.62

AbundanceScan 658 (13.407 min): V0055.D (-,

AbundanceScan 774 (12.516 min): V0010.D (*)

#36

4-Methyl-2-pentanone

Concen: 81.45 ug/L

RT: 12.48 min Scan# 598

Delta R.T. 0.00 min

Lab File: V0055.D

Acq: 15 Jan 96 12:42 pm

Tgt Ion:43 Resp: 497408

Ion Ratio Lower Upper

43 100

58 36.2 14.4 54.4

0 0.0 0.0 0.0

0 0.0 0.0 0.0

AbundanceScan 598 (12.478 min): V0055.D (*)

AbundanceIon 43.00 (42.

Ion 58.00 (57.

100000 12.48

50000

0

Time-->12.18 12.80

AbundanceScan 598 (12.478 min): V0055.D (-,

AbundanceScan 912 (14.652 min): V0010.D (-,

#38

tetrachloroethene

Concen: 56.81 ug/L

RT: 14.61 min Scan# 736

Delta R.T. 0.02 min

Lab File: V0055.D

Acq: 15 Jan 96 12:42 pm

Tgt Ion:166 Resp: 525822

Ion Ratio Lower Upper

166 100

168 48.9 28.4 68.4

129 74.0 51.9 91.9

0 0.0 0.0 0.0

AbundanceScan 736 (14.614 min): V0055.D (*)

AbundanceIon 166.00 (165

Ion 168.00 (167

Ion 129.00 (128

200000

100000

0

Time-->14.40 14.82

AbundanceScan 736 (14.614 min): V0055.D (-,

#40
dibromochloromethane
Concen: 99.99 ug/L
RT: 14.47 min Scan# 727
Delta R.T. 0.02 min
Lab File: V0055.D
Acq: 15 Jan 96 12:42 pm

Tgt Ion:	129	Resp:	786700
Ion Ratio	Lower	Upper	
129	100		
127	76.5	56.8	96.8
0	0.0	0.0	0.0
0	0.0	0.0	0.0

AbundanceIon 129.00 (128)
Ion 127.00 (126)
14.47

#42
chlorobenzene
Concen: 24.86 ug/L
RT: 15.77 min Scan# 811
Delta R.T. 0.02 min
Lab File: V0055.D
Acq: 15 Jan 96 12:42 pm

Tgt Ion:	112	Resp:	393145
Ion Ratio	Lower	Upper	
112	100		
77	61.6	46.9	86.9
114	32.5	12.8	52.8
0	0.0	0.0	0.0

AbundanceIon 112.00 (111)
Ion 77.00 (76.
Ion 114.00 (113)
15.77

AbundanceScan 990 (15.859 min): V0010.D (-,

#43

1,1,1,2-tetrachloroethane
Concen: 88.49 ug/L
RT: 15.84 min Scan# 815
Delta R.T. 0.02 min
Lab File: V0055.D
Acq: 15 Jan 96 12:42 pm

Tgt Ion:131	Resp: 611656
Ion Ratio	Lower Upper
131 100	
133 96.2	76.2 116.2
119 68.7	46.8 86.8
0 0.0	0.0 0.0

AbundanceScan 815 (15.836 min): V0055.D (*)

AbundanceIon 131.00 (130
Ion 133.00 (132
Ion 119.00 (118

AbundanceScan 815 (15.836 min): V0055.D (-,

AbundanceScan 1002 (16.045 min): V0010.D (-,

#44

ethylbenzene
Concen: 99.48 ug/L
RT: 16.02 min Scan# 827
Delta R.T. 0.02 min
Lab File: V0055.D
Acq: 15 Jan 96 12:42 pm

Tgt Ion:91	Resp: 2699434
Ion Ratio	Lower Upper
91 100	
106 31.1	9.7 49.7
0 0.0	0.0 0.0
0 0.0	0.0 0.0

AbundanceScan 827 (16.022 min): V0055.D (*)

AbundanceIon 91.00 (90.
Ion 106.00 (105

AbundanceScan 827 (16.022 min): V0055.D (-,

AbundanceScan 1014 (16.230 min): V0010.D (-

AbundanceScan 838 (16.192 min): V0055.D (*)

AbundanceScan 838 (16.192 min): V0055.D (-,

#45

m,p-xylene

Concen: 65.20 ug/L

RT: 16.19 min Scan# 838

Delta R.T. 0.00 min

Lab File: V0055.D

Acq: 15 Jan 96 12:42 pm

Tgt Ion:106 Resp: 673791

Ion Ratio Lower Upper

106 100

91 202.5 186.8 226.8

0 0.0 0.0 0.0

0 0.0 0.0 0.0

AbundanceIon 106.00 (105

Ion 91.00 (90.

AbundanceScan 1059 (16.927 min): V0010.D (-

AbundanceScan 884 (16.904 min): V0055.D (*)

AbundanceScan 884 (16.904 min): V0055.D (-,

#46

o-xylene

Concen: 177.02 ug/L

RT: 16.90 min Scan# 884

Delta R.T. 0.02 min

Lab File: V0055.D

Acq: 15 Jan 96 12:42 pm

Tgt Ion:106 Resp: 1771845

Ion Ratio Lower Upper

106 100

91 210.8 202.7 242.7

0 0.0 0.0 0.0

0 0.0 0.0 0.0

AbundanceIon 106.00 (105

Ion 91.00 (90.

#48
bromoform
Concen: 157.19 ug/L
RT: 17.09 min Scan# 896
Delta R.T. 0.02 min
Lab File: V0055.D
Acq: 15 Jan 96 12:42 pm

Tgt	Ion:173	Resp:	870090
Ion	Ratio	Lower	Upper
173	100		
175	49.2	29.6	69.6
0	0.0	0.0	0.0
0	0.0	0.0	0.0

#62
1,3-dichlorobenzene
Concen: 145.58 ug/L
RT: 19.86 min Scan# 1075
Delta R.T. 0.02 min
Lab File: V0055.D
Acq: 15 Jan 96 12:42 pm

Tgt	Ion:146	Resp:	2301464
Ion	Ratio	Lower	Upper
146	100		
111	40.0	23.7	63.7
148	65.7	44.2	84.2
0	0.0	0.0	0.0

AbundanceScan 1260 (20.038 min): V0010.D (-

AbundanceScan 1085 (20.015 min): V0055.D (*)

AbundanceScan 1085 (20.015 min): V0055.D (-

#64

1,4-dichlorobenzene

Concen: 43.79 ug/L

RT: 20.01 min Scan# 1085

Delta R.T. 0.02 min

Lab File: V0055.D

Acq: 15 Jan 96 12:42 pm

Tgt Ion:146	Resp:	705564
Ion Ratio	Lower	Upper
146	100	
111	38.1	22.2 62.2
148	64.9	44.8 84.8
0	0.0	0.0 0.0

AbundanceIon 146.00 (145

Ion 111.00 (110

Ion 148.00 (147

AbundanceScan 1300 (20.657 min): V0010.D (-

AbundanceScan 1125 (20.634 min): V0055.D (*)

AbundanceScan 1125 (20.634 min): V0055.D (-

#65

1,2-dichlorobenzene

Concen: 36.65 ug/L

RT: 20.63 min Scan# 1125

Delta R.T. 0.02 min

Lab File: V0055.D

Acq: 15 Jan 96 12:42 pm

Tgt Ion:146	Resp:	541736
Ion Ratio	Lower	Upper
146	100	
111	41.6	25.7 65.7
148	65.5	44.6 84.6
0	0.0	0.0 0.0

AbundanceIon 146.00 (145

Ion 111.00 (110

Ion 148.00 (147

Quantitation Report

Data File : C:\HPCHEM\1\DATA\JAN1595\V0056.D
Acq On : 15 Jan 96 1:19 pm
Sample : ECO-001-7A
Misc : VOATEST07,W,5,8260
Quant Time: Jan 15 13:53 1996

Vial: 3
Operator: WF
Inst : 5972 - In
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\8260W.M
Title : SW-846 Method 8260 For Waters
Last Update : Mon Jan 15 09:34:17 1996
Response via : Multiple Level Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) pentafluorobenzene	9.34	168	1003840	50.00	ug/L	0.02
20) 1,4-difluorobenzene	10.70	114	1060559	50.00	ug/L	0.00
35) Chlorobenzene-d5	15.71	117	847680	50.00	ug/L	0.02
49) 1,4-dichlorobenzene-d4	19.95	152	548517	50.00	ug/L	0.00

System Monitoring Compounds						%Recovery
18) dibromofluoromethane	9.15	113	456472	49.87	ug/L	99.74%
31) toluene-d8	13.27	98	1015091	50.52	ug/L	101.04%
51) 4-bromofluorobenzene	17.79	95	641553	48.47	ug/L	96.94%

Target Compounds						Qvalue
10) methylene chloride	6.50	84	748194	117.01	ug/L	93
12) trans-1,2-dichloroethene	7.20	96	186216	29.28	ug/L	93
17) chloroform	8.90	83	979086	81.28	ug/L	100
19) 1,1,1-trichloroethane	9.71	97	538274	47.83	ug/L	98
21) 2-Butanone	8.30	43	40971	18.49	ug/L	99
22) carbon tetrachloride	10.19	117	541265	68.42	ug/L	100
24) benzene	10.26	78	1007822	50.55	ug/L	99
25) 1,2-dichloroethane	9.99	62	1084003	145.02	ug/L	94
26) trichloroethene	11.33	95	786353	96.71	ug/L	97
29) bromodichloromethane	11.72	83	581142	57.26	ug/L	98
32) toluene	13.39	92	265636	19.64	ug/L	100
34) 1,1,2-trichloroethane	13.64	83	149637	30.09	ug/L	100
36) 4-Methyl-2-pentanone	12.48	43	786099	122.19	ug/L	96
38) tetrachloroethene	14.61	166	1007448	103.31	ug/L	99
42) chlorobenzene	15.77	112	466583	28.00	ug/L	94
44) ethylbenzene	16.02	91	3240773	113.37	ug/L	97
46) o-xylene	16.89	106	245199	23.25	ug/L	96
47) styrene	16.86	104	373546	21.18	ug/L	92
48) bromoform	17.07	173	573658	98.37	ug/L	100
65) 1,2-dichlorobenzene	20.63	146	2654333	170.98	ug/L	97

WF 1/15/96

(WF) 1/15/96

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

Quantitation Report

Data File : C:\HPCHEM\1\DATA\JAN1595\V0056.D
 Acq On : 15 Jan 96 1:19 pm
 Sample : ECO-001-7A
 Misc : VOATEST07,W,5,8260
 Quant Time: Jan 15 13:53 1996

Vial: 3
 Operator: WF
 Inst : 5972 - In
 Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\8260W.M
 Title : SW-846 Method 8260 For Waters
 Last Update : Mon Jan 15 09:34:17 1996
 Response via : Multiple Level Calibration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\JAN1595\V0056.D
 Acq On : 15 Jan 96 1:19 pm
 Sample : ECO-001-7A
 Misc : VOATEST07,W,5,8260
 Quant Time: Jan 15 13:53 1996

Vial: 3
 Operator: WF
 Inst : 5972 - In
 Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\8260W.M
 Title : SW-846 Method 8260 For Waters
 Last Update : Mon Jan 15 09:34:17 1996
 Response via : Multiple Level Calibration

#10
methylene chloride
Concen: 117.01 ug/L
RT: 6.50 min Scan# 212
Delta R.T. 0.00 min
Lab File: V0056.D
Acq: 15 Jan 96 1:19 pm

Tgt Ion:84 Resp: 748194
Ion Ratio Lower Upper
84 100
86 65.3 45.8 85.8
49 140.6 132.9 172.9
0 0.0 0.0 0.0

AbundanceIon 84.00 (83.
Ion 86.00 (85.
Ion 49.00 (48.

#12
trans-1,2-dichloroethene
Concen: 29.28 ug/L
RT: 7.20 min Scan# 257
Delta R.T. 0.02 min
Lab File: V0056.D
Acq: 15 Jan 96 1:19 pm

Tgt Ion:96 Resp: 186216
Ion Ratio Lower Upper
96 100
61 152.0 144.5 184.5
98 65.1 44.7 84.7
0 0.0 0.0 0.0

AbundanceIon 96.00 (95.
Ion 61.00 (60.
Ion 98.00 (97.

SW-846 Method 8260

Data File : C:\HPCHEM\1\DATA\JAN1296\V0039.D
Acq On : 12 Jan 96 11:30 am
Sample : 50nG BFB
Misc : 2ul direct injection

Vial: 1
Operator: WF
Inst : 5972 - In
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\8260W.M
Title : SW-846 Method 8260 For Waters

Peak Apex is scan: 112

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	19.4	11410	PASS
75	95	30	60	45.9	26984	PASS
95	95	100	100	100.0	58744	PASS
96	95	5	9	7.1	4170	PASS
173	174	0	2	0.0	0	PASS
174	95	50	100	67.5	39672	PASS
175	174	5	9	7.3	2892	PASS
176	174	95	101	96.7	38352	PASS
177	176	5	9	6.9	2650	PASS

Quantitation Report

Data File : C:\HPCHEM\1\DATA\JAN1296\V0040.D
 Acq On : 12 Jan 96 11:48 am
 Sample : VSTD20, 20PPB
 Misc : STD #V28 ,W,8260
 Quant Time: Jan 12 16:25 1996

Vial: 2
 Operator: WF
 Inst : 5972 - In
 Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\8260W.M
 Title : SW-846 Method 8260 For Waters
 Last Update : Fri Jan 12 15:26:29 1996
 Response via : Multiple Level Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev (Min)
1) pentafluorobenzene	9.39	168	953354	50.00	ug/L	0.04
20) 1,4-difluorobenzene	10.75	114	1063865	50.00	ug/L	0.02
35) Chlorobenzene-d5	15.76	117	817211	50.00	ug/L	0.04
49) 1,4-dichlorobenzene-d4	20.00	152	498664	50.00	ug/L	0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	%Recovery
18) dibromofluoromethane	9.20	113	165233	19.01	ug/L	38.02%
31) toluene-d8	13.32	98	409020	20.29	ug/L	40.59%
51) 4-bromofluorobenzene	17.84	95	244623	20.33	ug/L	40.66%

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) dichlorodifluoromethane	3.32	85	212792	21.46	ug/L	98
3) chloromethane	3.61	50	128003	22.01	ug/L	99
4) vinyl chloride	3.81	62	124522	22.22	ug/L	99
5) bromomethane	4.42	96	87921	20.16	ug/L	99
6) chloroethane	4.59	64	84069	21.57	ug/L	99
7) Acetone	5.61	43	30159	23.60	ug/L	88
8) trichlorofluoromethane	5.19	101	249050	20.30	ug/L	98
9) 1,1-dichloroethene	6.06	96	126709	21.71	ug/L	# 86
10) methylene chloride	6.55	84	145522	23.96	ug/L	96
11) Carbon disulfide	6.69	76	317833	21.54	ug/L	100
12) trans-1,2-dichloroethene	7.25	96	127384	21.09	ug/L	94
13) 1,1-dichloroethane	7.76	63	256469	21.23	ug/L	99
14) 2,2-dichloropropane	8.78	77	171057	19.36	ug/L	95
15) cis-1,2-dichloroethene	8.66	96	139319	20.91	ug/L	98
16) bromochloromethane	9.04	128	67510	18.58	ug/L	97
17) chloroform	8.95	83	235514	18.08	ug/L	99
19) 1,1,1-trichloroethane	9.76	97	217044	20.31	ug/L	99
21) 2-Butanone	8.35	43	37315	16.79	ug/L	90
22) carbon tetrachloride	10.24	117	114136	14.38	ug/L	99
23) 1,1-dichloropropene	10.04	75	210419	21.06	ug/L	99
24) benzene	10.31	78	420096	21.01	ug/L	99
25) 1,2-dichloroethane	10.04	62	140516	18.74	ug/L	96
26) trichloroethene	11.38	95	171984	21.09	ug/L	100
27) 1,2-dichloropropane	11.47	63	159719	20.35	ug/L	99
28) dibromomethane	11.71	93	100096	18.27	ug/L	98
29) bromodichloromethane	11.75	83	180399	17.72	ug/L	99
30) cis-1,3-dichloropropene	12.68	75	207017	18.23	ug/L	100
32) toluene	13.44	92	278212	20.51	ug/L	98
33) trans-1,3-dichloropropene	13.44	75	120980	15.85	ug/L	99
34) 1,1,2-trichloroethane	13.69	83	89478	17.93	ug/L	98
36) 4-Methyl-2-pentanone	12.53	43	109756	17.70	ug/L	98
37) 2-Hexanone	13.94	43	56577	14.14	ug/L	95

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

Quantitation Report

Data File : C:\HPCHEM\1\DATA\JAN1296\V0040.D
 Acq On : 12 Jan 96 11:48 am
 Sample : VSTD20, 20PPB
 Misc : STD #V28 ,W,8260
 Quant Time: Jan 12 16:25 1996

Vial: 2
 Operator: WF
 Inst : 5972 - In
 Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\8260W.M
 Title : SW-846 Method 8260 For Waters
 Last Update : Fri Jan 12 15:26:29 1996
 Response via : Multiple Level Calibration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\JAN1296\V0040.D
 Acq On : 12 Jan 96 11:48 am
 Sample : VSTD20, 20PPB
 Misc : STD #V28 ,W,8260
 Quant Time: Jan 12 16:25 1996

Vial: 2
 Operator: WF
 Inst : 5972 - In
 Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\8260W.M
 Title : SW-846 Method 8260 For Waters
 Last Update : Fri Jan 12 15:26:29 1996
 Response via : Multiple Level Calibration

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
38) tetrachloroethene	14.66	166	192979	20.53	ug/L	99
39) 1,3-dichloropropane	14.09	76	181683	18.78	ug/L	99
40) dibromochloromethane	14.51	129	122941	15.39	ug/L	99
41) 1,2-dibromoethane	14.86	107	128503	17.31	ug/L	99
42) chlorobenzene	15.82	112	324606	20.21	ug/L	96
43) 1,1,1,2-tetrachloroethane	15.87	131	124851	17.79	ug/L	97
44) ethylbenzene	16.06	91	582299	21.13	ug/L	100
45) m,p-xylene	16.24	106	450575	42.93	ug/L	96
46) o-xylene	16.94	106	216800	21.33	ug/L	93
47) styrene	16.91	104	347263	20.42	ug/L	93
48) bromoform	17.12	173	71577	12.73	ug/L	98
50) isopropylbenzene	17.65	105	655360	22.02	ug/L	100
52) bromobenzene	18.16	156	162793	19.59	ug/L	98
53) 1,1,2,2-tetrachloroethane	17.53	83	105292	15.27	ug/L	100
54) 1,2,3-trichloropropane	17.76	77	38259	18.76	ug/L #	67
55) n-propylbenzene	18.38	91	764774	22.08	ug/L	99
56) 2-chlorotoluene	18.53	91	470809	21.17	ug/L	92
57) 4-chlorotoluene	18.62	91	522852	22.12	ug/L	98
58) 1,3,5-trimethylbenzene	18.69	105	510713	22.42	ug/L	97
59) tert-butylbenzene	19.32	91	391871	22.51	ug/L	95
60) 1,2,4-trimethylbenzene	18.69	105	510713	22.42	ug/L	97
61) sec-butylbenzene	19.72	105	777627	22.52	ug/L	99
62) 1,3-dichlorobenzene	19.89	146	311810	20.65	ug/L	98
63) 4-isopropyltoluene	19.99	119	644752	22.38	ug/L	98
64) 1,4-dichlorobenzene	20.05	146	318978	20.73	ug/L	98
65) 1,2-dichlorobenzene	20.67	146	286151	20.28	ug/L	98
66) n-butylbenzene	20.71	91	613717	23.20	ug/L	99
67) 1,2-dibromo-3-chloropropan	21.86	75	21476	12.38	ug/L	90
68) 1,2,4-trichlorobenzene	23.78	180	210945	20.30	ug/L	99
69) hexachlorobutadiene	24.32	225	187315	21.19	ug/L	99
70) naphthalene	24.12	128	225045	16.56	ug/L	100
71) 1,2,3-trichlorobenzene	24.63	180	170252	19.20	ug/L	99

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

Quantitation Report

Data File : C:\HPCHEM\1\DATA\JAN1296\V0041.D
 Acq On : 12 Jan 96 12:22 pm
 Sample : VSTD50, 50PPB
 Misc : STD #V29 ,W,8260
 Quant Time: Jan 12 16:26 1996

Vial: 3
 Operator: WF
 Inst : 5972 - In
 Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\8260W.M
 Title : SW-846 Method 8260 For Waters
 Last Update : Fri Jan 12 15:26:29 1996
 Response via : Multiple Level Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev (Min)
1) pentafluorobenzene	9.37	168	1000473	50.00	ug/L	0.02
20) 1,4-difluorobenzene	10.74	114	1107917	50.00	ug/L	0.02
35) Chlorobenzene-d5	15.74	117	904373	50.00	ug/L	0.02
49) 1,4-dichlorobenzene-d4	19.98	152	555948	50.00	ug/L	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	%Recovery
18) dibromofluoromethane	9.20	113	471246	51.66	ug/L	103.31%
31) toluene-d8	13.31	98	1088070	51.84	ug/L	103.68%
51) 4-bromofluorobenzene	17.83	95	688391	51.31	ug/L	102.63%

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) dichlorodifluoromethane	3.32	85	548151	52.67	ug/L	100
3) chloromethane	3.61	50	319929	52.41	ug/L	98
4) vinyl chloride	3.81	62	319720	54.36	ug/L	100
5) bromomethane	4.41	96	251403	54.94	ug/L	99
6) chloroethane	4.58	64	219941	53.76	ug/L	100
7) Acetone	5.61	43	65551	48.87	ug/L	92
8) trichlorofluoromethane	5.19	101	659230	51.21	ug/L	100
9) 1,1-dichloroethene	6.04	96	320328	52.31	ug/L	89
10) methylene chloride	6.55	84	331263	51.98	ug/L	96
11) Carbon disulfide	6.69	76	808189	52.18	ug/L	100
12) trans-1,2-dichloroethene	7.25	96	327557	51.68	ug/L	94
13) 1,1-dichloroethane	7.74	63	665545	52.49	ug/L	99
14) 2,2-dichloropropane	8.78	77	469605	50.65	ug/L	97
15) cis-1,2-dichloroethene	8.65	96	362342	51.83	ug/L	97
16) bromochloromethane	9.03	128	203078	53.25	ug/L	100
17) chloroform	8.95	83	629932	51.28	ug/L	100
19) 1,1,1-trichloroethane	9.75	97	577399	51.48	ug/L	97
21) 2-Butanone	8.33	43	118656	51.26	ug/L	96
22) carbon tetrachloride	10.23	117	394665	47.75	ug/L	100
23) 1,1-dichloropropene	10.03	75	533295	51.25	ug/L	98
24) benzene	10.31	78	1075150	51.62	ug/L	100
25) 1,2-dichloroethane	10.03	62	409287	52.42	ug/L	96
26) trichloroethene	11.38	95	424870	50.02	ug/L	97
27) 1,2-dichloropropane	11.47	63	424904	51.99	ug/L	99
28) dibromomethane	11.70	93	299390	52.48	ug/L	97
29) bromodichloromethane	11.75	83	542698	51.19	ug/L	100
30) cis-1,3-dichloropropene	12.68	75	620586	52.47	ug/L	98
32) toluene	13.44	92	737242	52.18	ug/L	98
33) trans-1,3-dichloropropene	13.44	75	415912	52.34	ug/L	98
34) 1,1,2-trichloroethane	13.68	83	270570	52.08	ug/L	100
36) 4-Methyl-2-pentanone	12.51	43	338971	49.39	ug/L	99
37) 2-Hexanone	13.92	43	226107	51.07	ug/L	98

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

Quantitation Report

Data File : C:\HPCHEM\1\DATA\JAN1296\V0041.D
 Acq On : 12 Jan 96 12:22 pm
 Sample : VSTD50, 50PPB
 Misc : STD #V29 ,W,8260
 Quant Time: Jan 12 16:26 1996

Vial: 3
 Operator: WF
 Inst : 5972 - In
 Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\8260W.M
 Title : SW-846 Method 8260 For Waters
 Last Update : Fri Jan 12 15:26:29 1996
 Response via : Multiple Level Calibration

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
38) tetrachloroethene	14.64	166	509789	49.00	ug/L	98
39) 1,3-dichloropropane	14.09	76	543061	50.73	ug/L	100
40) dibromochloromethane	14.50	129	439551	49.71	ug/L	100
41) 1,2-dibromoethane	14.86	107	420290	51.17	ug/L	100
42) chlorobenzene	15.80	112	905218	50.92	ug/L	97
43) 1,1,1,2-tetrachloroethane	15.87	131	380577	48.99	ug/L	98
44) ethylbenzene	16.05	91	1541847	50.56	ug/L	98
45) m,p-xylene	16.24	106	1166308	100.42	ug/L	96
46) o-xylene	16.93	106	565114	50.23	ug/L	94
47) styrene	16.89	104	955284	50.77	ug/L	93
48) bromoform	17.12	173	301018	48.38	ug/L	99
50) isopropylbenzene	17.65	105	1676380	50.52	ug/L	100
52) bromobenzene	18.14	156	476316	51.40	ug/L	98
53) 1,1,2,2-tetrachloroethane	17.52	83	405473	52.76	ug/L	99
54) 1,2,3-trichloropropane	17.75	77	118712	52.21	ug/L #	84
55) n-propylbenzene	18.36	91	1959613	50.74	ug/L	99
56) 2-chlorotoluene	18.53	91	1247562	50.33	ug/L	91
57) 4-chlorotoluene	18.62	91	1361046	51.65	ug/L	97
58) 1,3,5-trimethylbenzene	18.67	105	1281998	50.49	ug/L	98
59) tert-butylbenzene	19.32	91	975350	50.26	ug/L	94
60) 1,2,4-trimethylbenzene	18.67	105	1281998	50.49	ug/L	98
61) sec-butylbenzene	19.72	105	1941489	50.43	ug/L	100
62) 1,3-dichlorobenzene	19.89	146	852189	50.63	ug/L	97
63) 4-isopropyltoluene	19.98	119	1617830	50.36	ug/L	98
64) 1,4-dichlorobenzene	20.05	146	873502	50.92	ug/L	98
65) 1,2-dichlorobenzene	20.66	146	805212	51.18	ug/L	98
66) n-butylbenzene	20.71	91	1478236	50.13	ug/L	98
67) 1,2-dibromo-3-chloropropan	21.86	75	100153	51.78	ug/L	89
68) 1,2,4-trichlorobenzene	23.77	180	574518	49.59	ug/L	100
69) hexachlorobutadiene	24.32	225	475071	48.20	ug/L	97
70) naphthalene	24.10	128	760581	50.21	ug/L	100
71) 1,2,3-trichlorobenzene	24.63	180	487518	49.31	ug/L	100

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

Quantitation Report

Data File : C:\HPCHEM\1\DATA\JAN1296\V0041.D
 Acq On : 12 Jan 96 12:22 pm
 Sample : VSTD50, 50PPB
 Misc : STD #V29 ,W,8260
 Quant Time: Jan 12 16:26 1996

Vial: 3
 Operator: WF
 Inst : 5972 - In
 Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\8260W.M
 Title : SW-846 Method 8260 For Waters
 Last Update : Fri Jan 12 15:26:29 1996
 Response via : Multiple Level Calibration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\JAN1296\V0042.D
 Acq On : 12 Jan 96 12:58 pm
 Sample : VSTD100, 100PPB
 Misc : STD #V30 ,W,8260
 Quant Time: Jan 12 16:26 1996

Vial: 4
 Operator: WF
 Inst : 5972 - In
 Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\8260W.M
 Title : SW-846 Method 8260 For Waters
 Last Update : Fri Jan 12 15:26:29 1996
 Response via : Multiple Level Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev (Min)
1) pentafluorobenzene	9.37	168	998185	50.00	ug/L	0.02
20) 1,4-difluorobenzene	10.73	114	1085510	50.00	ug/L	0.00
35) Chlorobenzene-d5	15.75	117	868084	50.00	ug/L	0.02
49) 1,4-dichlorobenzene-d4	19.99	152	544370	50.00	ug/L	0.00

System Monitoring Compounds						%Recovery
18) dibromofluoromethane	9.18	113	925100	101.64	ug/L	203.28%
31) toluene-d8	13.30	98	2035847	99.00	ug/L	198.00%
51) 4-bromofluorobenzene	17.82	95	1294130	98.52	ug/L	197.04%

Target Compounds						Qvalue
2) dichlorodifluoromethane	3.32	85	1035083	99.70	ug/L	99
3) chloromethane	3.60	50	584692	96.00	ug/L	99
4) vinyl chloride	3.80	62	581166	99.03	ug/L	100
5) bromomethane	4.40	96	442319	96.89	ug/L	100
6) chloroethane	4.57	64	397886	97.49	ug/L	100
7) Acetone	5.59	43	131191	98.04	ug/L	92
8) trichlorofluoromethane	5.18	101	1290309	100.47	ug/L	100
9) 1,1-dichloroethene	6.03	96	590861	96.71	ug/L	90
10) methylene chloride	6.54	84	596230	93.77	ug/L	96
11) Carbon disulfide	6.68	76	1509155	97.66	ug/L	100
12) trans-1,2-dichloroethene	7.23	96	620476	98.11	ug/L	94
13) 1,1-dichloroethane	7.74	63	1245021	98.42	ug/L	100
14) 2,2-dichloropropane	8.77	77	941957	101.83	ug/L	96
15) cis-1,2-dichloroethene	8.66	96	690007	98.92	ug/L	94
16) bromochloromethane	9.03	128	393281	103.35	ug/L	93
17) chloroform	8.94	83	1205130	101.41	ug/L	100
19) 1,1,1-trichloroethane	9.74	97	1115734	99.70	ug/L	99
21) 2-Butanone	8.32	43	238459	105.14	ug/L	96
22) carbon tetrachloride	10.24	117	858069	105.97	ug/L	100
23) 1,1-dichloropropene	10.02	75	1010084	99.07	ug/L	98
24) benzene	10.30	78	2020204	99.00	ug/L	100
25) 1,2-dichloroethane	10.02	62	789213	103.16	ug/L	96
26) trichloroethene	11.37	95	806271	96.88	ug/L	99
27) 1,2-dichloropropane	11.47	63	803942	100.40	ug/L	100
28) dibromomethane	11.71	93	583214	104.34	ug/L	93
29) bromodichloromethane	11.75	83	1077566	103.73	ug/L	99
30) cis-1,3-dichloropropene	12.67	75	1208321	104.27	ug/L	100
32) toluene	13.42	92	1378797	99.61	ug/L	98
33) trans-1,3-dichloropropene	13.42	75	843719	108.37	ug/L	98
34) 1,1,2-trichloroethane	13.67	83	529835	104.08	ug/L	99
36) 4-Methyl-2-pentanone	12.51	43	678468	102.98	ug/L	97
37) 2-Hexanone	13.92	43	458280	107.84	ug/L	97

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

Quantitation Report

Data File : C:\HPCHEM\1\DATA\JAN1296\V0042.D
 Acq On : 12 Jan 96 12:58 pm
 Sample : VSTD100, 100PPB
 Misc : STD #V30 ,W,8260
 Quant Time: Jan 12 16:26 1996

Vial: 4
 Operator: WF
 Inst : 5972 - In
 Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\8260W.M
 Title : SW-846 Method 8260 For Waters
 Last Update : Fri Jan 12 15:26:29 1996
 Response via : Multiple Level Calibration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\JAN1296\V0042.D
Acq On : 12 Jan 96 12:58 pm
Sample : VSTD100, 100PPB
Misc : STD #V30 ,W,8260
Quant Time: Jan 12 16:26 1996

Vial: 4
Operator: WF
Inst : 5972 - In
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\8260W.M
Title : SW-846 Method 8260 For Waters
Last Update : Fri Jan 12 15:26:29 1996
Response via : Multiple Level Calibration

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
38) tetrachloroethene	14.65	166	984653	98.60	ug/L	100
39) 1,3-dichloropropane	14.07	76	1053932	102.58	ug/L	99
40) dibromochloromethane	14.51	129	893905	105.32	ug/L	100
41) 1,2-dibromoethane	14.85	107	831587	105.48	ug/L	100
42) chlorobenzene	15.81	112	1700827	99.67	ug/L	96
43) 1,1,1,2-tetrachloroethane	15.87	131	761304	102.10	ug/L	98
44) ethylbenzene	16.06	91	2892504	98.81	ug/L	97
45) m,p-xylene	16.23	106	2189838	196.43	ug/L	96
46) o-xylene	16.92	106	1069967	99.09	ug/L	96
47) styrene	16.89	104	1802603	99.81	ug/L	93
48) bromoform	17.11	173	653912	109.50	ug/L	100
50) isopropylbenzene	17.63	105	3164544	97.40	ug/L	99
52) bromobenzene	18.14	156	910909	100.39	ug/L	97
53) 1,1,2,2-tetrachloroethane	17.53	83	832931	110.68	ug/L	100
54) 1,2,3-trichloropropane	17.76	77	222511	99.94	ug/L	97
55) n-propylbenzene	18.36	91	3689387	97.56	ug/L	99
56) 2-chlorotoluene	18.52	91	2416290	99.55	ug/L	94
57) 4-chlorotoluene	18.62	91	2477430	96.02	ug/L	96
58) 1,3,5-trimethylbenzene	18.67	105	2399360	96.50	ug/L	97
59) tert-butylbenzene	19.31	91	1839105	96.78	ug/L	95
60) 1,2,4-trimethylbenzene	18.67	105	2399360	96.50	ug/L	97
61) sec-butylbenzene	19.72	105	3652213	96.88	ug/L	98
62) 1,3-dichlorobenzene	19.89	146	1636819	99.32	ug/L	97
63) 4-isopropyltoluene	19.97	119	3060714	97.30	ug/L	98
64) 1,4-dichlorobenzene	20.05	146	1664009	99.07	ug/L	97
65) 1,2-dichlorobenzene	20.67	146	1529835	99.30	ug/L	97
66) n-butylbenzene	20.71	91	2780966	96.31	ug/L	95
67) 1,2-dibromo-3-chloropropan	21.86	75	215179	113.61	ug/L	80
68) 1,2,4-trichlorobenzene	23.78	180	1130355	99.65	ug/L	100
69) hexachlorobutadiene	24.30	225	964777	99.98	ug/L	98
70) naphthalene	24.10	128	1570622	105.90	ug/L	100
71) 1,2,3-trichlorobenzene	24.63	180	977336	100.95	ug/L	99

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

Quantitation Report

Data File : C:\HPCHEM\1\DATA\JAN1296\V0043.D
 Acq On : 12 Jan 96 2:23 pm
 Sample : VSTD150, 150PPB
 Misc : STD #V31 ,W,8260
 Quant Time: Jan 12 16:27 1996

Vial: 5
 Operator: WF
 Inst : 5972 - In
 Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\8260W.M
 Title : SW-846 Method 8260 For Waters
 Last Update : Fri Jan 12 15:26:29 1996
 Response via : Multiple Level Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) pentafluorobenzene	9.34	168	1047019	50.00	ug/L	-0.01
20) 1,4-difluorobenzene	10.71	114	1119872	50.00	ug/L	-0.01
35) Chlorobenzene-d5	15.73	117	876328	50.00	ug/L	0.00
49) 1,4-dichlorobenzene-d4	19.97	152	540868	50.00	ug/L	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	%Recovery
18) dibromofluoromethane	9.17	113	1431448	149.94	ug/L	299.88%
31) toluene-d8	13.28	98	3102672	146.25	ug/L	292.49%
51) 4-bromofluorobenzene	17.82	95	1933277	148.13	ug/L	296.26%

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) dichlorodifluoromethane	3.30	85	1549477	142.28	ug/L	99
3) chloromethane	3.59	50	926194	144.98	ug/L	99
4) vinyl chloride	3.78	62	864748	140.48	ug/L	99
5) bromomethane	4.38	96	704881	147.20	ug/L	97
6) chloroethane	4.55	64	626379	146.31	ug/L	100
7) Acetone	5.59	43	182836	130.26	ug/L	97
8) trichlorofluoromethane	5.14	101	2032819	150.90	ug/L	100
9) 1,1-dichloroethene	6.01	96	919735	143.51	ug/L	89
10) methylene chloride	6.52	84	920916	138.08	ug/L	95
11) Carbon disulfide	6.66	76	2357879	145.47	ug/L	100
12) trans-1,2-dichloroethene	7.22	96	968505	146.00	ug/L	93
13) 1,1-dichloroethane	7.73	63	1913834	144.24	ug/L	100
14) 2,2-dichloropropane	8.75	77	1477590	152.28	ug/L	97
15) cis-1,2-dichloroethene	8.62	96	1064366	145.47	ug/L	97
16) bromochloromethane	9.01	128	591514	148.20	ug/L	93
17) chloroform	8.92	83	1853536	150.26	ug/L	99
19) 1,1,1-trichloroethane	9.72	97	1746281	148.77	ug/L	98
21) 2-Butanone	8.30	43	343978	147.02	ug/L	95
22) carbon tetrachloride	10.20	117	1411475	168.97	ug/L	99
23) 1,1-dichloropropene	10.00	75	1536964	146.12	ug/L	98
24) benzene	10.28	78	3073601	146.00	ug/L	100
25) 1,2-dichloroethane	10.00	62	1178084	149.26	ug/L	96
26) trichloroethene	11.35	95	1236164	143.98	ug/L	97
27) 1,2-dichloropropane	11.44	63	1213514	146.90	ug/L	100
28) dibromomethane	11.67	93	849198	147.26	ug/L	97
29) bromodichloromethane	11.74	83	1668100	155.65	ug/L	99
30) cis-1,3-dichloropropene	12.65	75	1806336	151.10	ug/L	99
32) toluene	13.41	92	2084399	145.96	ug/L	97
33) trans-1,3-dichloropropene	13.41	75	1250224	155.65	ug/L	97
34) 1,1,2-trichloroethane	13.65	83	787707	149.99	ug/L	99
36) 4-Methyl-2-pentanone	12.49	43	987732	148.51	ug/L	98
37) 2-Hexanone	13.90	43	651934	151.96	ug/L	98

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

Quantitation Report

Data File : C:\HPCHEM\1\DATA\JAN1296\V0043.D
Acq On : 12 Jan 96 2:23 pm
Sample : VSTD150, 150PPB
Misc : STD #V31 ,W,8260
Quant Time: Jan 12 16:27 1996

Vial: 5
Operator: WF
Inst : 5972 - In
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\8260W.M
Title : SW-846 Method 8260 For Waters
Last Update : Fri Jan 12 15:26:29 1996
Response via : Multiple Level Calibration

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
38) tetrachloroethene	14.63	166	1509070	149.70	ug/L	99
39) 1,3-dichloropropane	14.06	76	1548882	149.33	ug/L	99
40) dibromochloromethane	14.49	129	1364816	159.29	ug/L	100
41) 1,2-dibromoethane	14.83	107	1189992	149.52	ug/L	99
42) chlorobenzene	15.79	112	2516227	146.07	ug/L	96
43) 1,1,1,2-tetrachloroethane	15.85	131	1194319	158.66	ug/L	98
44) ethylbenzene	16.04	91	4301621	145.56	ug/L	97
45) m,p-xylene	16.21	106	3271266	290.67	ug/L	95
46) o-xylene	16.92	106	1585791	145.48	ug/L	93
47) styrene	16.87	104	2657205	145.75	ug/L	93
48) bromoform	17.11	173	987246	163.77	ug/L	100
50) isopropylbenzene	17.63	105	4724429	146.36	ug/L	98
52) bromobenzene	18.13	156	1338659	148.49	ug/L	98
53) 1,1,2,2-tetrachloroethane	17.51	83	1216944	162.75	ug/L	100
54) 1,2,3-trichloropropane	17.74	77	329817	149.10	ug/L	94
55) n-propylbenzene	18.34	91	5401908	143.77	ug/L	99
56) 2-chlorotoluene	18.51	91	3518421	145.89	ug/L	90
57) 4-chlorotoluene	18.61	91	3740729	145.92	ug/L	96
58) 1,3,5-trimethylbenzene	18.65	105	3521692	142.56	ug/L	96
59) tert-butylbenzene	19.30	91	2713674	143.73	ug/L	94
60) 1,2,4-trimethylbenzene	18.65	105	3521692	142.56	ug/L	96
61) sec-butylbenzene	19.71	105	5336796	142.49	ug/L	98
62) 1,3-dichlorobenzene	19.88	146	2420634	147.83	ug/L	97
63) 4-isopropyltoluene	19.97	119	4436659	141.96	ug/L	97
64) 1,4-dichlorobenzene	20.03	146	2457079	147.23	ug/L	97
65) 1,2-dichlorobenzene	20.65	146	2280789	149.00	ug/L	98
66) n-butylbenzene	20.70	91	3957246	137.93	ug/L	95
67) 1,2-dibromo-3-chloropropan	21.84	75	315756	167.80	ug/L	81
68) 1,2,4-trichlorobenzene	23.76	180	1617981	143.56	ug/L	99
69) hexachlorobutadiene	24.30	225	1400853	146.10	ug/L	96
70) naphthalene	24.09	128	2140744	145.27	ug/L	100
71) 1,2,3-trichlorobenzene	24.61	180	1396931	145.23	ug/L	99

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

Quantitation Report

Data File : C:\HPCHEM\1\DATA\JAN1296\V0043.D
 Acq On : 12 Jan 96 2:23 pm
 Sample : VSTD150, 150PPB
 Misc : STD #V31 ,W,8260
 Quant Time: Jan 12 16:27 1996

Vial: 5
 Operator: WF
 Inst : 5972 - In
 Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\8260W.M
 Title : SW-846 Method 8260 For Waters
 Last Update : Fri Jan 12 15:26:29 1996
 Response via : Multiple Level Calibration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\JAN1296\V0044.D
 Acq On : 12 Jan 96 2:58 pm
 Sample : VSTD200, 200PPB
 Misc : STD #V32 ,W,8260
 Quant Time: Jan 12 16:28 1996

Vial: 6
 Operator: WF
 Inst : 5972 - In
 Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\8260W.M
 Title : SW-846 Method 8260 For Waters
 Last Update : Fri Jan 12 15:26:29 1996
 Response via : Multiple Level Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev (Min)
1) pentafluorobenzene	9.35	168	1036260	50.00	ug/L	0.00
20) 1,4-difluorobenzene	10.73	114	1112700	50.00	ug/L	0.00
35) Chlorobenzene-d5	15.73	117	857699	50.00	ug/L	0.00
49) 1,4-dichlorobenzene-d4	19.98	152	550045	50.00	ug/L	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	%Recovery
18) dibromofluoromethane	9.18	113	1890663	200.09	ug/L	400.19%
31) toluene-d8	13.30	98	4146566	196.71	ug/L	393.42%
51) 4-bromofluorobenzene	17.82	95	2613449	196.90	ug/L	393.81%

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) dichlorodifluoromethane	3.30	85	2000647	185.61	ug/L	99
3) chloromethane	3.59	50	1169742	185.00	ug/L	98
4) vinyl chloride	3.78	62	1066396	175.04	ug/L	100
5) bromomethane	4.37	96	893549	188.54	ug/L	99
6) chloroethane	4.54	64	759419	179.23	ug/L	99
7) Acetone	5.59	43	276162	198.79	ug/L	93
8) trichlorofluoromethane	5.14	101	2530909	189.82	ug/L	99
9) 1,1-dichloroethene	6.01	96	1197028	188.72	ug/L	88
10) methylene chloride	6.53	84	1193295	180.78	ug/L	93
11) Carbon disulfide	6.66	76	2989364	186.34	ug/L	100
12) trans-1,2-dichloroethene	7.21	96	1257182	191.49	ug/L	93
13) 1,1-dichloroethane	7.73	63	2475621	188.52	ug/L	100
14) 2,2-dichloropropane	8.76	77	1892545	197.08	ug/L	96
15) cis-1,2-dichloroethene	8.64	96	1388917	191.79	ug/L	94
16) bromochloromethane	9.01	128	778083	196.96	ug/L	95
17) chloroform	8.93	83	2416222	198.97	ug/L	100
19) 1,1,1-trichloroethane	9.72	97	2245010	193.24	ug/L	98
21) 2-Butanone	8.31	43	513237	220.77	ug/L	96
22) carbon tetrachloride	10.22	117	1891789	227.92	ug/L	100
23) 1,1-dichloropropene	10.02	75	2000964	191.46	ug/L	97
24) benzene	10.28	78	3990674	190.78	ug/L	100
25) 1,2-dichloroethane	10.02	62	1549647	197.60	ug/L	95
26) trichloroethene	11.36	95	1734199	203.30	ug/L	96
27) 1,2-dichloropropane	11.46	63	1574434	191.82	ug/L	100
28) dibromomethane	11.69	93	1159367	202.34	ug/L	95
29) bromodichloromethane	11.73	83	2162271	203.06	ug/L	99
30) cis-1,3-dichloropropene	12.66	75	2349745	197.82	ug/L	98
32) toluene	13.42	92	2729492	192.37	ug/L	97
33) trans-1,3-dichloropropene	13.42	75	1658615	207.83	ug/L	96
34) 1,1,2-trichloroethane	13.67	83	1065517	204.20	ug/L	99
36) 4-Methyl-2-pentanone	12.51	43	1441867	221.51	ug/L	97
37) 2-Hexanone	13.92	43	990976	236.01	ug/L	98

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

Quantitation Report

Data File : C:\HPCHEM\1\DATA\JAN1296\V0044.D
Acq On : 12 Jan 96 2:58 pm
Sample : VSTD200, 200PPB
Misc : STD #V32 ,W,8260
Quant Time: Jan 12 16:28 1996

Vial: 6
Operator: WF
Inst : 5972 - In
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\8260W.M
Title : SW-846 Method 8260 For Waters
Last Update : Fri Jan 12 15:26:29 1996
Response via : Multiple Level Calibration

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
38) tetrachloroethene	14.64	166	1992159	201.91	ug/L	99
39) 1,3-dichloropropane	14.07	76	2080666	204.96	ug/L	99
40) dibromochloromethane	14.50	129	1880784	224.28	ug/L	99
41) 1,2-dibromoethane	14.84	107	1650049	211.83	ug/L	99
42) chlorobenzene	15.80	112	3374574	200.15	ug/L	95
43) 1,1,1,2-tetrachloroethane	15.85	131	1550410	210.44	ug/L	98
44) ethylbenzene	16.04	91	5633546	194.77	ug/L	97
45) m,p-xylene	16.22	106	4282198	388.77	ug/L	93
46) o-xylene	16.92	106	2066045	193.65	ug/L	94
47) styrene	16.89	104	3548715	198.87	ug/L	94
48) bromoform	17.12	173	1426589	241.78	ug/L	100
50) isopropylbenzene	17.63	105	6157421	187.57	ug/L	98
52) bromobenzene	18.14	156	1831631	199.78	ug/L	96
53) 1,1,2,2-tetrachloroethane	17.52	83	1504799	197.89	ug/L	100
54) 1,2,3-trichloropropane	17.75	77	460955	204.90	ug/L	96
55) n-propylbenzene	18.36	91	7240051	189.47	ug/L	98
56) 2-chlorotoluene	18.51	91	4741307	193.32	ug/L	92
57) 4-chlorotoluene	18.62	91	4838013	185.57	ug/L	95
58) 1,3,5-trimethylbenzene	18.67	105	4790979	190.71	ug/L	95
59) tert-butylbenzene	19.30	91	3621713	188.63	ug/L	95
60) 1,2,4-trimethylbenzene	18.67	105	4790979	190.71	ug/L	95
61) sec-butylbenzene	19.72	105	7211410	189.33	ug/L	97
62) 1,3-dichlorobenzene	19.89	146	3249738	195.16	ug/L	97
63) 4-isopropyltoluene	19.97	119	6067610	190.91	ug/L	97
64) 1,4-dichlorobenzene	20.04	146	3301720	194.55	ug/L	97
65) 1,2-dichlorobenzene	20.66	146	3039883	195.28	ug/L	97
66) n-butylbenzene	20.71	91	5572049	190.97	ug/L	93
67) 1,2-dibromo-3-chloropropan	21.85	75	417449	218.14	ug/L #	78
68) 1,2,4-trichlorobenzene	23.77	180	2382811	207.90	ug/L	99
69) hexachlorobutadiene	24.30	225	1955280	200.53	ug/L	97
70) naphthalene	24.10	128	3416762	228.00	ug/L	100
71) 1,2,3-trichlorobenzene	24.63	180	2105531	215.24	ug/L	100

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

Quantitation Report

Data File : C:\HPCHEM\1\DATA\JAN1296\V0044.D
 Acq On : 12 Jan 96 2:58 pm
 Sample : VSTD200, 200PPB
 Misc : STD #V32 ,W,8260
 Quant Time: Jan 12 16:28 1996

Vial: 6
 Operator: WF
 Inst : 5972 - In
 Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\8260W.M
 Title : SW-846 Method 8260 For Waters
 Last Update : Fri Jan 12 15:26:29 1996
 Response via : Multiple Level Calibration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\JAN1296\V0040.D
Acq On : 12 Jan 96 11:48 am
Sample : VSTD20, 20PPB
Misc : STD #V28 ,W,8260
Quant Time: Jan 12 16:25 1996

Vial: 2
Operator: WF
Inst : 5972 - In
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\8260W.M
Title : SW-846 Method 8260 For Waters
Last Update : Mon Jan 15 09:34:17 1996
Response via : Multiple Level Calibration

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
38) tetrachloroethene	14.66	166	192979	20.53	ug/L	99
39) 1,3-dichloropropane	14.09	76	181683	18.78	ug/L	99
40) dibromochloromethane	14.51	129	122941	15.39	ug/L	99
41) 1,2-dibromoethane	14.86	107	128503	17.31	ug/L	99
42) chlorobenzene	15.82	112	324606	20.21	ug/L	96
43) 1,1,1,2-tetrachloroethane	15.87	131	124851	17.79	ug/L	97
44) ethylbenzene	16.06	91	582299	21.13	ug/L	100
45) m,p-xylene	16.24	106	450575	42.93	ug/L	96
46) o-xylene	16.94	106	216800	21.33	ug/L	93
47) styrene	16.91	104	347263	20.42	ug/L	93
48) bromoform	17.12	173	71577	12.73	ug/L	98
50) isopropylbenzene	17.65	105	655360	22.02	ug/L	100
52) bromobenzene	18.16	156	162793	19.59	ug/L	98
53) 1,1,2,2-tetrachloroethane	17.53	83	105292	15.27	ug/L	100
54) 1,2,3-trichloropropane	17.76	77	38259	18.76	ug/L #	67
55) n-propylbenzene	18.38	91	764774	22.08	ug/L	99
56) 2-chlorotoluene	18.53	91	470809	21.17	ug/L	92
57) 4-chlorotoluene	18.62	91	522852	22.12	ug/L	98
58) 1,3,5-trimethylbenzene	18.69	105	510713	22.42	ug/L	97
59) tert-butylbenzene	19.32	91	391871	22.51	ug/L	95
60) 1,2,4-trimethylbenzene	18.69	105	510713	22.42	ug/L	97
61) sec-butylbenzene	19.72	105	777627	22.52	ug/L	99
62) 1,3-dichlorobenzene	19.89	146	311810	20.65	ug/L	98
63) 4-isopropyltoluene	19.99	119	644752	22.38	ug/L	98
64) 1,4-dichlorobenzene	20.05	146	318978	20.73	ug/L	98
65) 1,2-dichlorobenzene	20.67	146	286151	20.28	ug/L	98
66) n-butylbenzene	20.71	91	613717	23.20	ug/L	99
67) 1,2-dibromo-3-chloropropan	21.86	75	21476	12.38	ug/L	90
68) 1,2,4-trichlorobenzene	23.78	180	210945	20.30	ug/L	99
69) hexachlorobutadiene	24.32	225	187315	21.19	ug/L	99
70) naphthalene	24.12	128	225045	16.56	ug/L	100
71) 1,2,3-trichlorobenzene	24.63	180	170252	19.20	ug/L	99

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

Quantitation Report

Data File : C:\HPCHEM\1\DATA\JAN1296\V0040.D
 Acq On : 12 Jan 96 11:48 am
 Sample : VSTD20, 20PPB
 Misc : STD #V28 ,W,8260
 Quant Time: Jan 12 16:25 1996

Vial: 2
 Operator: WF
 Inst : 5972 - In
 Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\8260W.M
 Title : SW-846 Method 8260 For Waters
 Last Update : Mon Jan 15 09:34:17 1996
 Response via : Multiple Level Calibration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\JAN1296\V0040.D
Acq On : 12 Jan 96 11:48 am
Sample : VSTD20, 20PPB
Misc : STD #V28 ,W,8260
Quant Time: Jan 12 16:25 1996

Vial: 2
Operator: WF
Inst : 5972 - In
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\8260W.M
Title : SW-846 Method 8260 For Waters
Last Update : Mon Jan 15 09:34:17 1996
Response via : Multiple Level Calibration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\JAN1296\V0041.D
 Acq On : 12 Jan 96 12:22 pm
 Sample : VSTD50, 50PPB
 Misc : STD #V29 ,W,8260
 Quant Time: Jan 12 16:26 1996

Vial: 3
 Operator: WF
 Inst : 5972 - In
 Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\8260W.M
 Title : SW-846 Method 8260 For Waters
 Last Update : Mon Jan 15 09:34:17 1996
 Response via : Multiple Level Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev (Min)
1) pentafluorobenzene	9.37	168	1000473	50.00	ug/L	0.02
20) 1,4-difluorobenzene	10.74	114	1107917	50.00	ug/L	0.02
35) Chlorobenzene-d5	15.74	117	904373	50.00	ug/L	0.02
49) 1,4-dichlorobenzene-d4	19.98	152	555948	50.00	ug/L	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	%Recovery
18) dibromofluoromethane	9.20	113	471246	51.66	ug/L	103.31%
31) toluene-d8	13.31	98	1088070	51.84	ug/L	103.68%
51) 4-bromofluorobenzene	17.83	95	688391	51.31	ug/L	102.63%

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) dichlorodifluoromethane	3.32	85	548151	52.67	ug/L	100
3) chloromethane	3.61	50	319929	52.41	ug/L	98
4) vinyl chloride	3.81	62	319720	54.36	ug/L	100
5) bromomethane	4.41	96	251403	54.94	ug/L	99
6) chloroethane	4.58	64	219941	53.76	ug/L	100
7) Acetone	5.61	43	65551	48.87	ug/L	92
8) trichlorofluoromethane	5.19	101	659230	51.21	ug/L	100
9) 1,1-dichloroethene	6.04	96	320328	52.31	ug/L	89
10) methylene chloride	6.55	84	331263	51.98	ug/L	96
11) Carbon disulfide	6.69	76	808189	52.18	ug/L	100
12) trans-1,2-dichloroethene	7.25	96	327557	51.68	ug/L	94
13) 1,1-dichloroethane	7.74	63	665545	52.49	ug/L	99
14) 2,2-dichloropropane	8.78	77	469605	50.65	ug/L	97
15) cis-1,2-dichloroethene	8.65	96	362342	51.83	ug/L	97
16) bromochloromethane	9.03	128	203078	53.25	ug/L	100
17) chloroform	8.95	83	629932	51.28	ug/L	100
19) 1,1,1-trichloroethane	9.75	97	577399	51.48	ug/L	97
21) 2-Butanone	8.33	43	118656	51.26	ug/L	96
22) carbon tetrachloride	10.23	117	394665	47.75	ug/L	100
23) 1,1-dichloropropene	10.03	75	533295	51.25	ug/L	98
24) benzene	10.31	78	1075150	51.62	ug/L	100
25) 1,2-dichloroethane	10.03	62	409287	52.42	ug/L	96
26) trichloroethene	11.38	95	424870	50.02	ug/L	97
27) 1,2-dichloropropane	11.47	63	424904	51.99	ug/L	99
28) dibromomethane	11.70	93	299390	52.48	ug/L	97
29) bromodichloromethane	11.75	83	542698	51.19	ug/L	100
30) cis-1,3-dichloropropene	12.68	75	620586	52.47	ug/L	98
32) toluene	13.44	92	737242	52.18	ug/L	98
33) trans-1,3-dichloropropene	13.44	75	415912	52.34	ug/L	98
34) 1,1,2-trichloroethane	13.68	83	270570	52.08	ug/L	100
36) 4-Methyl-2-pentanone	12.51	43	338971	49.39	ug/L	99
37) 2-Hexanone	13.92	43	226107	51.07	ug/L	98

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

Quantitation Report

Data File : C:\HPCHEM\1\DATA\JAN1296\V0041.D
Acq On : 12 Jan 96 12:22 pm
Sample : VSTD50, 50PPB
Misc : STD #V29 ,W,8260
Quant Time: Jan 12 16:26 1996

Vial: 3
Operator: WF
Inst : 5972 - In
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\8260W.M
Title : SW-846 Method 8260 For Waters
Last Update : Mon Jan 15 09:34:17 1996
Response via : Multiple Level Calibration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\JAN1296\V0041.D
 Acq On : 12 Jan 96 12:22 pm
 Sample : VSTD50, 50PPB
 Misc : STD #V29 ,W,8260
 Quant Time: Jan 12 16:26 1996

Vial: 3
 Operator: WF
 Inst : 5972 - In
 Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\8260W.M
 Title : SW-846 Method 8260 For Waters
 Last Update : Mon Jan 15 09:34:17 1996
 Response via : Multiple Level Calibration

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
38) tetrachloroethene	14.64	166	509789	49.00	ug/L	98
39) 1,3-dichloropropane	14.09	76	543061	50.73	ug/L	100
40) dibromochloromethane	14.50	129	439551	49.71	ug/L	100
41) 1,2-dibromoethane	14.86	107	420290	51.17	ug/L	100
42) chlorobenzene	15.80	112	905218	50.92	ug/L	97
43) 1,1,1,2-tetrachloroethane	15.87	131	380577	48.99	ug/L	98
44) ethylbenzene	16.05	91	1541847	50.56	ug/L	98
45) m,p-xylene	16.24	106	1166308	100.42	ug/L	96
46) o-xylene	16.93	106	565114	50.23	ug/L	94
47) styrene	16.89	104	955284	50.77	ug/L	93
48) bromoform	17.12	173	301018	48.38	ug/L	99
50) isopropylbenzene	17.65	105	1676380	50.52	ug/L	100
52) bromobenzene	18.14	156	476316	51.40	ug/L	98
53) 1,1,2,2-tetrachloroethane	17.52	83	405473	52.76	ug/L	99
54) 1,2,3-trichloropropane	17.75	77	118712	52.21	ug/L #	84
55) n-propylbenzene	18.36	91	1959613	50.74	ug/L	99
56) 2-chlorotoluene	18.53	91	1247562	50.33	ug/L	91
57) 4-chlorotoluene	18.62	91	1361046	51.65	ug/L	97
58) 1,3,5-trimethylbenzene	18.67	105	1281998	50.49	ug/L	98
59) tert-butylbenzene	19.32	91	975350	50.26	ug/L	94
60) 1,2,4-trimethylbenzene	18.67	105	1281998	50.49	ug/L	98
61) sec-butylbenzene	19.72	105	1941489	50.43	ug/L	100
62) 1,3-dichlorobenzene	19.89	146	852189	50.63	ug/L	97
63) 4-isopropyltoluene	19.98	119	1617830	50.36	ug/L	98
64) 1,4-dichlorobenzene	20.05	146	873502	50.92	ug/L	98
65) 1,2-dichlorobenzene	20.66	146	805212	51.18	ug/L	98
66) n-butylbenzene	20.71	91	1478236	50.13	ug/L	98
67) 1,2-dibromo-3-chloropropan	21.86	75	100153	51.78	ug/L	89
68) 1,2,4-trichlorobenzene	23.77	180	574518	49.59	ug/L	100
69) hexachlorobutadiene	24.32	225	475071	48.20	ug/L	97
70) naphthalene	24.10	128	760581	50.21	ug/L	100
71) 1,2,3-trichlorobenzene	24.63	180	487518	49.31	ug/L	100

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

Quantitation Report

Data File : C:\HPCHEM\1\DATA\JAN1296\V0041.D
Acq On : 12 Jan 96 12:22 pm
Sample : VSTD50, 50PPB
Misc : STD #V29 ,W,8260
Quant Time: Jan 12 16:26 1996

Vial: 3
Operator: WF
Inst : 5972 - In
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\8260W.M
Title : SW-846 Method 8260 For Waters
Last Update : Mon Jan 15 09:34:17 1996
Response via : Multiple Level Calibration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\JAN1296\V0042.D
 Acq On : 12 Jan 96 12:58 pm
 Sample : VSTD100, 100PPB
 Misc : STD #V30 ,W,8260
 Quant Time: Jan 12 16:26 1996

Vial: 4
 Operator: WF
 Inst : 5972 - In
 Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\8260W.M
 Title : SW-846 Method 8260 For Waters
 Last Update : Mon Jan 15 09:34:17 1996
 Response via : Multiple Level Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev (Min)
1) pentafluorobenzene	9.37	168	998185	50.00	ug/L	0.02
20) 1,4-difluorobenzene	10.73	114	1085510	50.00	ug/L	0.00
35) Chlorobenzene-d5	15.75	117	868084	50.00	ug/L	0.02
49) 1,4-dichlorobenzene-d4	19.99	152	544370	50.00	ug/L	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	%Recovery
18) dibromofluoromethane	9.18	113	925100	101.64	ug/L	203.28%
31) toluene-d8	13.30	98	2035847	99.00	ug/L	198.00%
51) 4-bromofluorobenzene	17.82	95	1294130	98.52	ug/L	197.04%

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) dichlorodifluoromethane	3.32	85	1035083	99.70	ug/L	99
3) chloromethane	3.60	50	584692	96.00	ug/L	99
4) vinyl chloride	3.80	62	581166	99.03	ug/L	100
5) bromomethane	4.40	96	442319	96.89	ug/L	100
6) chloroethane	4.57	64	397886	97.49	ug/L	100
7) Acetone	5.59	43	131191	98.04	ug/L	92
8) trichlorofluoromethane	5.18	101	1290309	100.47	ug/L	100
9) 1,1-dichloroethene	6.03	96	590861	96.71	ug/L	90
10) methylene chloride	6.54	84	596230	93.77	ug/L	96
11) Carbon disulfide	6.68	76	1509155	97.66	ug/L	100
12) trans-1,2-dichloroethene	7.23	96	620476	98.11	ug/L	94
13) 1,1-dichloroethane	7.74	63	1245021	98.42	ug/L	100
14) 2,2-dichloropropane	8.77	77	941957	101.83	ug/L	96
15) cis-1,2-dichloroethene	8.66	96	690007	98.92	ug/L	94
16) bromochloromethane	9.03	128	393281	103.35	ug/L	93
17) chloroform	8.94	83	1205130	101.41	ug/L	100
19) 1,1,1-trichloroethane	9.74	97	1115734	99.70	ug/L	99
21) 2-Butanone	8.32	43	238459	105.14	ug/L	96
22) carbon tetrachloride	10.24	117	858069	105.97	ug/L	100
23) 1,1-dichloropropene	10.02	75	1010084	99.07	ug/L	98
24) benzene	10.30	78	2020204	99.00	ug/L	100
25) 1,2-dichloroethane	10.02	62	789213	103.16	ug/L	96
26) trichloroethene	11.37	95	806271	96.88	ug/L	99
27) 1,2-dichloropropane	11.47	63	803942	100.40	ug/L	100
28) dibromomethane	11.71	93	583214	104.34	ug/L	93
29) bromodichloromethane	11.75	83	1077566	103.73	ug/L	99
30) cis-1,3-dichloropropene	12.67	75	1208321	104.27	ug/L	100
32) toluene	13.42	92	1378797	99.61	ug/L	98
33) trans-1,3-dichloropropene	13.42	75	843719	108.37	ug/L	98
34) 1,1,2-trichloroethane	13.67	83	529835	104.08	ug/L	99
36) 4-Methyl-2-pentanone	12.51	43	678468	102.98	ug/L	97
37) 2-Hexanone	13.92	43	458280	107.84	ug/L	97

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

Quantitation Report

Data File : C:\HPCHEM\1\DATA\JAN1296\V0042.D
Acq On : 12 Jan 96 12:58 pm
Sample : VSTD100, 100PPB
Misc : STD #V30 ,W,8260
Quant Time: Jan 12 16:26 1996

Vial: 4
Operator: WF
Inst : 5972 - In
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\8260W.M
Title : SW-846 Method 8260 For Waters
Last Update : Mon Jan 15 09:34:17 1996
Response via : Multiple Level Calibration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\JAN1296\V0042.D
Acq On : 12 Jan 96 12:58 pm
Sample : VSTD100, 100PPB
Misc : STD #V30 ,W,8260
Quant Time: Jan 12 16:26 1996

Vial: 4
Operator: WF
Inst : 5972 - In
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\8260W.M
Title : SW-846 Method 8260 For Waters
Last Update : Mon Jan 15 09:34:17 1996
Response via : Multiple Level Calibration

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
38) tetrachloroethene	14.65	166	984653	98.60	ug/L	100
39) 1,3-dichloropropane	14.07	76	1053932	102.58	ug/L	99
40) dibromochloromethane	14.51	129	893905	105.32	ug/L	100
41) 1,2-dibromoethane	14.85	107	831587	105.48	ug/L	100
42) chlorobenzene	15.81	112	1700827	99.67	ug/L	96
43) 1,1,1,2-tetrachloroethane	15.87	131	761304	102.10	ug/L	98
44) ethylbenzene	16.06	91	2892504	98.81	ug/L	97
45) m,p-xylene	16.23	106	2189838	196.43	ug/L	96
46) o-xylene	16.92	106	1069967	99.09	ug/L	96
47) styrene	16.89	104	1802603	99.81	ug/L	93
48) bromoform	17.11	173	653912	109.50	ug/L	100
50) isopropylbenzene	17.63	105	3164544	97.40	ug/L	99
52) bromobenzene	18.14	156	910909	100.39	ug/L	97
53) 1,1,2,2-tetrachloroethane	17.53	83	832931	110.68	ug/L	100
54) 1,2,3-trichloropropane	17.76	77	222511	99.94	ug/L	97
55) n-propylbenzene	18.36	91	3689387	97.56	ug/L	99
56) 2-chlorotoluene	18.52	91	2416290	99.55	ug/L	94
57) 4-chlorotoluene	18.62	91	2477430	96.02	ug/L	96
58) 1,3,5-trimethylbenzene	18.67	105	2399360	96.50	ug/L	97
59) tert-butylbenzene	19.31	91	1839105	96.78	ug/L	95
60) 1,2,4-trimethylbenzene	18.67	105	2399360	96.50	ug/L	97
61) sec-butylbenzene	19.72	105	3652213	96.88	ug/L	98
62) 1,3-dichlorobenzene	19.89	146	1636819	99.32	ug/L	97
63) 4-isopropyltoluene	19.97	119	3060714	97.30	ug/L	98
64) 1,4-dichlorobenzene	20.05	146	1664009	99.07	ug/L	97
65) 1,2-dichlorobenzene	20.67	146	1529835	99.30	ug/L	97
66) n-butylbenzene	20.71	91	2780966	96.31	ug/L	95
67) 1,2-dibromo-3-chloropropan	21.86	75	215179	113.61	ug/L	80
68) 1,2,4-trichlorobenzene	23.78	180	1130355	99.65	ug/L	100
69) hexachlorobutadiene	24.30	225	964777	99.98	ug/L	98
70) naphthalene	24.10	128	1570622	105.90	ug/L	100
71) 1,2,3-trichlorobenzene	24.63	180	977336	100.95	ug/L	99

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

Quantitation Report

Data File : C:\HPCHEM\1\DATA\JAN1296\V0042.D
 Acq On : 12 Jan 96 12:58 pm
 Sample : VSTD100, 100PPB
 Misc : STD #V30 ,W,8260
 Quant Time: Jan 12 16:26 1996

Vial: 4
 Operator: WF
 Inst : 5972 - In
 Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\8260W.M
 Title : SW-846 Method 8260 For Waters
 Last Update : Mon Jan 15 09:34:17 1996
 Response via : Multiple Level Calibration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\JAN1296\V0043.D
 Acq On : 12 Jan 96 2:23 pm
 Sample : VSTD150, 150PPB
 Misc : STD #V31 ,W,8260
 Quant Time: Jan 12 16:27 1996

Vial: 5
 Operator: WF
 Inst : 5972 - In
 Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\8260W.M
 Title : SW-846 Method 8260 For Waters
 Last Update : Mon Jan 15 09:34:17 1996
 Response via : Multiple Level Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev (Min)
1) pentafluorobenzene	9.34	168	1047019	50.00	ug/L	-0.01
20) 1,4-difluorobenzene	10.71	114	1119872	50.00	ug/L	-0.01
35) Chlorobenzene-d5	15.73	117	876328	50.00	ug/L	0.00
49) 1,4-dichlorobenzene-d4	19.97	152	540868	50.00	ug/L	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	%Recovery
18) dibromofluoromethane	9.17	113	1431448	149.94	ug/L	299.88%
31) toluene-d8	13.28	98	3102672	146.25	ug/L	292.49%
51) 4-bromofluorobenzene	17.82	95	1933277	148.13	ug/L	296.26%

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) dichlorodifluoromethane	3.30	85	1549477	142.28	ug/L	99
3) chloromethane	3.59	50	926194	144.98	ug/L	99
4) vinyl chloride	3.78	62	864748	140.48	ug/L	99
5) bromomethane	4.38	96	704881	147.20	ug/L	97
6) chloroethane	4.55	64	626379	146.31	ug/L	100
7) Acetone	5.59	43	182836	130.26	ug/L	97
8) trichlorofluoromethane	5.14	101	2032819	150.90	ug/L	100
9) 1,1-dichloroethene	6.01	96	919735	143.51	ug/L	89
10) methylene chloride	6.52	84	920916	138.08	ug/L	95
11) Carbon disulfide	6.66	76	2357879	145.47	ug/L	100
12) trans-1,2-dichloroethene	7.22	96	968505	146.00	ug/L	93
13) 1,1-dichloroethane	7.73	63	1913834	144.24	ug/L	100
14) 2,2-dichloropropane	8.75	77	1477590	152.28	ug/L	97
15) cis-1,2-dichloroethene	8.62	96	1064366	145.47	ug/L	97
16) bromochloromethane	9.01	128	591514	148.20	ug/L	93
17) chloroform	8.92	83	1853536	150.26	ug/L	99
19) 1,1,1-trichloroethane	9.72	97	1746281	148.77	ug/L	98
21) 2-Butanone	8.30	43	343978	147.02	ug/L	95
22) carbon tetrachloride	10.20	117	1411475	168.97	ug/L	99
23) 1,1-dichloropropene	10.00	75	1536964	146.12	ug/L	98
24) benzene	10.28	78	3073601	146.00	ug/L	100
25) 1,2-dichloroethane	10.00	62	1178084	149.26	ug/L	96
26) trichloroethene	11.35	95	1236164	143.98	ug/L	97
27) 1,2-dichloropropane	11.44	63	1213514	146.90	ug/L	100
28) dibromomethane	11.67	93	849198	147.26	ug/L	97
29) bromodichloromethane	11.74	83	1668100	155.65	ug/L	99
30) cis-1,3-dichloropropene	12.65	75	1806336	151.10	ug/L	99
32) toluene	13.41	92	2084399	145.96	ug/L	97
33) trans-1,3-dichloropropene	13.41	75	1250224	155.65	ug/L	97
34) 1,1,2-trichloroethane	13.65	83	787707	149.99	ug/L	99
36) 4-Methyl-2-pentanone	12.49	43	987732	148.51	ug/L	98
37) 2-Hexanone	13.90	43	651934	151.96	ug/L	98

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

Quantitation Report

Data File : C:\HPCHEM\1\DATA\JAN1296\V0043.D
 Acq On : 12 Jan 96 2:23 pm
 Sample : VSTD150, 150PPB
 Misc : STD #V31 ,W,8260
 Quant Time: Jan 12 16:27 1996

Vial: 5
 Operator: WF
 Inst : 5972 - In
 Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\8260W.M
 Title : SW-846 Method 8260 For Waters
 Last Update : Mon Jan 15 09:34:17 1996
 Response via : Multiple Level Calibration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\JAN1296\V0043.D
Acq On : 12 Jan 96 2:23 pm
Sample : VSTD150, 150PPB
Misc : STD #V31 ,W,8260
Quant Time: Jan 12 16:27 1996

Vial: 5
Operator: WF
Inst : 5972 - In
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\8260W.M
Title : SW-846 Method 8260 For Waters
Last Update : Mon Jan 15 09:34:17 1996
Response via : Multiple Level Calibration

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
38) tetrachloroethene	14.63	166	1509070	149.70	ug/L	99
39) 1,3-dichloropropane	14.06	76	1548882	149.33	ug/L	99
40) dibromochloromethane	14.49	129	1364816	159.29	ug/L	100
41) 1,2-dibromoethane	14.83	107	1189992	149.52	ug/L	99
42) chlorobenzene	15.79	112	2516227	146.07	ug/L	96
43) 1,1,1,2-tetrachloroethane	15.85	131	1194319	158.66	ug/L	98
44) ethylbenzene	16.04	91	4301621	145.56	ug/L	97
45) m,p-xylene	16.21	106	3271266	290.67	ug/L	95
46) o-xylene	16.92	106	1585791	145.48	ug/L	93
47) styrene	16.87	104	2657205	145.75	ug/L	93
48) bromoform	17.11	173	987246	163.77	ug/L	100
50) isopropylbenzene	17.63	105	4724429	146.36	ug/L	98
52) bromobenzene	18.13	156	1338659	148.49	ug/L	98
53) 1,1,2,2-tetrachloroethane	17.51	83	1216944	162.75	ug/L	100
54) 1,2,3-trichloropropane	17.74	77	329817	149.10	ug/L	94
55) n-propylbenzene	18.34	91	5401908	143.77	ug/L	99
56) 2-chlorotoluene	18.51	91	3518421	145.89	ug/L	90
57) 4-chlorotoluene	18.61	91	3740729	145.92	ug/L	96
58) 1,3,5-trimethylbenzene	18.65	105	3521692	142.56	ug/L	96
59) tert-butylbenzene	19.30	91	2713674	143.73	ug/L	94
60) 1,2,4-trimethylbenzene	18.65	105	3521692	142.56	ug/L	96
61) sec-butylbenzene	19.71	105	5336796	142.49	ug/L	98
62) 1,3-dichlorobenzene	19.88	146	2420634	147.83	ug/L	97
63) 4-isopropyltoluene	19.97	119	4436659	141.96	ug/L	97
64) 1,4-dichlorobenzene	20.03	146	2457079	147.23	ug/L	97
65) 1,2-dichlorobenzene	20.65	146	2280789	149.00	ug/L	98
66) n-butylbenzene	20.70	91	3957246	137.93	ug/L	95
67) 1,2-dibromo-3-chloropropan	21.84	75	315756	167.80	ug/L	81
68) 1,2,4-trichlorobenzene	23.76	180	1617981	143.56	ug/L	99
69) hexachlorobutadiene	24.30	225	1400853	146.10	ug/L	96
70) naphthalene	24.09	128	2140744	145.27	ug/L	100
71) 1,2,3-trichlorobenzene	24.61	180	1396931	145.23	ug/L	99

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

Quantitation Report

Data File : C:\HPCHEM\1\DATA\JAN1296\V0043.D
Acq On : 12 Jan 96 2:23 pm
Sample : VSTD150, 150PPB
Misc : STD #V31 ,W,8260
Quant Time: Jan 12 16:27 1996

Vial: 5
Operator: WF
Inst : 5972 - In
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\8260W.M
Title : SW-846 Method 8260 For Waters
Last Update : Mon Jan 15 09:34:17 1996
Response via : Multiple Level Calibration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\JAN1296\V0044.D
 Acq On : 12 Jan 96 2:58 pm
 Sample : VSTD200, 200PPB
 Misc : STD #V32 ,W,8260
 Quant Time: Jan 12 16:28 1996

Vial: 6
 Operator: WF
 Inst : 5972 - In
 Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\8260W.M
 Title : SW-846 Method 8260 For Waters
 Last Update : Mon Jan 15 09:34:17 1996
 Response via : Multiple Level Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) pentafluorobenzene	9.35	168	1036260	50.00	ug/L	0.00
20) 1,4-difluorobenzene	10.73	114	1112700	50.00	ug/L	0.00
35) Chlorobenzene-d5	15.73	117	857699	50.00	ug/L	0.00
49) 1,4-dichlorobenzene-d4	19.98	152	550045	50.00	ug/L	0.00

System Monitoring Compounds						%Recovery
18) dibromofluoromethane	9.18	113	1890663	200.09	ug/L	400.19%
31) toluene-d8	13.30	98	4146566	196.71	ug/L	393.42%
51) 4-bromofluorobenzene	17.82	95	2613449	196.90	ug/L	393.81%

Target Compounds						Qvalue
2) dichlorodifluoromethane	3.30	85	2000647	185.61	ug/L	99
3) chloromethane	3.59	50	1169742	185.00	ug/L	98
4) vinyl chloride	3.78	62	1066396	175.04	ug/L	100
5) bromomethane	4.37	96	893549	188.54	ug/L	99
6) chloroethane	4.54	64	759419	179.23	ug/L	99
7) Acetone	5.59	43	276162	198.79	ug/L	93
8) trichlorofluoromethane	5.14	101	2530909	189.82	ug/L	99
9) 1,1-dichloroethene	6.01	96	1197028	188.72	ug/L	88
10) methylene chloride	6.53	84	1193295	180.78	ug/L	93
11) Carbon disulfide	6.66	76	2989364	186.34	ug/L	100
12) trans-1,2-dichloroethene	7.21	96	1257182	191.49	ug/L	93
13) 1,1-dichloroethane	7.73	63	2475621	188.52	ug/L	100
14) 2,2-dichloropropane	8.76	77	1892545	197.08	ug/L	96
15) cis-1,2-dichloroethene	8.64	96	1388917	191.79	ug/L	94
16) bromochloromethane	9.01	128	778083	196.96	ug/L	95
17) chloroform	8.93	83	2416222	198.97	ug/L	100
19) 1,1,1-trichloroethane	9.72	97	2245010	193.24	ug/L	98
21) 2-Butanone	8.31	43	513237	220.77	ug/L	96
22) carbon tetrachloride	10.22	117	1891789	227.92	ug/L	100
23) 1,1-dichloropropene	10.02	75	2000964	191.46	ug/L	97
24) benzene	10.28	78	3990674	190.78	ug/L	100
25) 1,2-dichloroethane	10.02	62	1549647	197.60	ug/L	95
26) trichloroethene	11.36	95	1734199	203.30	ug/L	96
27) 1,2-dichloropropane	11.46	63	1574434	191.82	ug/L	100
28) dibromomethane	11.69	93	1159367	202.34	ug/L	95
29) bromodichloromethane	11.73	83	2162271	203.06	ug/L	99
30) cis-1,3-dichloropropene	12.66	75	2349745	197.82	ug/L	98
32) toluene	13.42	92	2729492	192.37	ug/L	97
33) trans-1,3-dichloropropene	13.42	75	1658615	207.83	ug/L	96
34) 1,1,2-trichloroethane	13.67	83	1065517	204.20	ug/L	99
36) 4-Methyl-2-pentanone	12.51	43	1441867	221.51	ug/L	97
37) 2-Hexanone	13.92	43	990976	236.01	ug/L	98

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

Quantitation Report

Data File : C:\HPCHEM\1\DATA\JAN1296\V0044.D
 Acq On : 12 Jan 96 2:58 pm
 Sample : VSTD200, 200PPB
 Misc : STD #V32 ,W,8260
 Quant Time: Jan 12 16:28 1996

Vial: 6
 Operator: WF
 Inst : 5972 - In
 Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\8260W.M
 Title : SW-846 Method 8260 For Waters
 Last Update : Mon Jan 15 09:34:17 1996
 Response via : Multiple Level Calibration

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
38) tetrachloroethene	14.64	166	1992159	201.91	ug/L	99
39) 1,3-dichloropropane	14.07	76	2080666	204.96	ug/L	99
40) dibromochloromethane	14.50	129	1880784	224.28	ug/L	99
41) 1,2-dibromoethane	14.84	107	1650049	211.83	ug/L	99
42) chlorobenzene	15.80	112	3374574	200.15	ug/L	95
43) 1,1,1,2-tetrachloroethane	15.85	131	1550410	210.44	ug/L	98
44) ethylbenzene	16.04	91	5633546	194.77	ug/L	97
45) m,p-xylene	16.22	106	4282198	388.77	ug/L	93
46) o-xylene	16.92	106	2066045	193.65	ug/L	94
47) styrene	16.89	104	3548715	198.87	ug/L	94
48) bromoform	17.12	173	1426589	241.78	ug/L	100
50) isopropylbenzene	17.63	105	6157421	187.57	ug/L	98
52) bromobenzene	18.14	156	1831631	199.78	ug/L	96
53) 1,1,2,2-tetrachloroethane	17.52	83	1504799	197.89	ug/L	100
54) 1,2,3-trichloropropane	17.75	77	460955	204.90	ug/L	96
55) n-propylbenzene	18.36	91	7240051	189.47	ug/L	98
56) 2-chlorotoluene	18.51	91	4741307	193.32	ug/L	92
57) 4-chlorotoluene	18.62	91	4838013	185.57	ug/L	95
58) 1,3,5-trimethylbenzene	18.67	105	4790979	190.71	ug/L	95
59) tert-butylbenzene	19.30	91	3621713	188.63	ug/L	95
60) 1,2,4-trimethylbenzene	18.67	105	4790979	190.71	ug/L	95
61) sec-butylbenzene	19.72	105	7211410	189.33	ug/L	97
62) 1,3-dichlorobenzene	19.89	146	3249738	195.16	ug/L	97
63) 4-isopropyltoluene	19.97	119	6067610	190.91	ug/L	97
64) 1,4-dichlorobenzene	20.04	146	3301720	194.55	ug/L	97
65) 1,2-dichlorobenzene	20.66	146	3039883	195.28	ug/L	97
66) n-butylbenzene	20.71	91	5572049	190.97	ug/L	93
67) 1,2-dibromo-3-chloropropan	21.85	75	417449	218.14	ug/L #	78
68) 1,2,4-trichlorobenzene	23.77	180	2382811	207.90	ug/L	99
69) hexachlorobutadiene	24.30	225	1955280	200.53	ug/L	97
70) naphthalene	24.10	128	3416762	228.00	ug/L	100
71) 1,2,3-trichlorobenzene	24.63	180	2105531	215.24	ug/L	100

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

Quantitation Report

Data File : C:\HPCHEM\1\DATA\JAN1296\V0044.D
 Acq On : 12 Jan 96 2:58 pm
 Sample : VSTD200, 200PPB
 Misc : STD #V32 ,W,8260
 Quant Time: Jan 12 16:28 1996

Vial: 6
 Operator: WF
 Inst : 5972 - In
 Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\8260W.M
 Title : SW-846 Method 8260 For Waters
 Last Update : Mon Jan 15 09:34:17 1996
 Response via : Multiple Level Calibration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\JAN1296\V0044.D
 Acq On : 12 Jan 96 2:58 pm
 Sample : VSTD200, 200PPB
 Misc : STD #V32 ,W,8260
 Quant Time: Jan 12 16:28 1996

Vial: 6
 Operator: WF
 Inst : 5972 - In
 Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\8260W.M
 Title : SW-846 Method 8260 For Waters
 Last Update : Mon Jan 15 09:34:17 1996
 Response via : Multiple Level Calibration

SW-846 Method 8260

Data File : C:\HPCHEM\1\DATA\JAN1595\V0047.D
Acq On : 15 Jan 96 7:50 am
Sample : 50nG BFB
Misc : 2ul direct injection

Vial: 1
Operator: WF
Inst : 5972 - In
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\VTCLP.M
Title : SW-846 TCLP Method

Peak Apex is scan: 111

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	19.0	11005	PASS
75	95	30	60	46.4	26872	PASS
95	95	100	100	100.0	57952	PASS
96	95	5	9	7.2	4183	PASS
173	174	0	2	0.0	0	PASS
174	95	50	100	72.3	41928	PASS
175	174	5	9	7.2	3018	PASS
176	174	95	101	98.5	41312	PASS
177	176	5	9	6.6	2746	PASS

Data File : C:\HPCHEM\1\DATA\JAN1595\V0049.D
 Acq On : 15 Jan 96 9:02 am
 Sample : VSTD50
 Misc : STD #V36,50PPB STD,W,5ML,8260

Vial: 1
 Operator: WF
 Inst : 5972 - In
 Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\8260W.M
 Title : SW-846 Method 8260 For Waters
 Last Update : Mon Jan 15 09:34:17 1996
 Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I	pentafluorobenzene	1.000	1.000	0.0	99	0.00
2 T	dichlorodifluoromethane	0.520	0.548	-5.4	99	0.00
3 **	chloromethane	0.305	0.316	-3.6	97	0.00
4 *	vinyl chloride	0.294	0.290	1.4	89	0.00
5 T	bromomethane	0.229	0.238	-4.2	94	0.00
6 T	chloroethane	0.204	0.202	1.1	91	0.00
7 T	Acetone	0.067	0.058	13.0	88	0.00
8 T	trichlorofluoromethane	0.643	0.662	-3.0	99	0.00
9 M*	1,1-dichloroethene	0.306	0.304	0.7	94	0.00
10 T	methylene chloride	0.318	0.360	-13.1	107	0.00
11 T	Carbon disulfide	0.774	0.764	1.3	93	0.00
12 T	trans-1,2-dichloroethene	0.317	0.316	0.3	95	0.00
13 **	1,1-dichloroethane	0.634	0.625	1.4	93	0.00
14 T	2,2-dichloropropane	0.463	0.480	-3.5	101	0.00
15 T	cis-1,2-dichloroethene	0.349	0.347	0.7	94	0.00
16 T	bromochloromethane	0.191	0.190	0.3	92	0.00
17 *	chloroform	0.605	0.602	0.4	94	0.00
18 S	dibromofluoromethane	0.456	0.453	0.6	95	0.00
19 T	1,1,1-trichloroethane	0.561	0.561	-0.0	96	0.00
20 I	1,4-difluorobenzene	1.000	1.000	0.0	96	0.00
21 T	2-Butanone	0.104	0.094	10.2	84	0.00
22 T	carbon tetrachloride	0.373	0.396	-6.2	107	0.00
23 T	1,1-dichloropropene	0.470	0.482	-2.7	96	0.00
24 TM	benzene	0.940	0.952	-1.3	94	0.00
25 T	1,2-dichloroethane	0.352	0.347	1.5	90	0.00
26 TM	trichloroethene	0.383	0.382	0.3	96	0.00
27 *	1,2-dichloropropane	0.369	0.364	1.4	91	0.00
28 T	dibromomethane	0.257	0.251	2.4	89	0.00
29 T	bromodichloromethane	0.478	0.480	-0.3	94	0.00
30 T	cis-1,3-dichloropropene	0.534	0.550	-3.1	94	0.00
31 S	toluene-d8	0.947	0.966	-2.0	94	0.00
32 M*	toluene	0.638	0.659	-3.3	95	0.00
33 T	trans-1,3-dichloropropene	0.359	0.369	-2.9	94	0.00
34 T	1,1,2-trichloroethane	0.234	0.221	5.6	87	0.00
35 I	Chlorobenzene-d5	1.000	1.000	0.0	94	0.00
36 T	4-Methyl-2-pentanone	0.379	0.308	18.7	77	0.00
37 T	2-Hexanone	0.245	0.216	11.6	81	0.00
38 T	tetrachloroethene	0.575	0.597	-3.8	99	0.00
39 T	1,3-dichloropropane	0.592	0.568	4.0	89	0.00

(#) = Out of Range

Evaluate Continuing Calibration Report

Data File : C:\HPCHEM\1\DATA\JAN1595\V0049.D
 Acq On : 15 Jan 96 9:02 am
 Sample : VSTD50
 Misc : STD #V36,50PPB STD,W,5ML,8260

Vial: 1
 Operator: WF
 Inst : 5972 - In
 Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\8260W.M
 Title : SW-846 Method 8260 For Waters
 Last Update : Mon Jan 15 09:34:17 1996
 Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
40 T	dibromochloromethane	0.489	0.487	0.3	94	0.00
41 T	1,2-dibromoethane	0.454	0.439	3.4	88	0.00
42 M**	chlorobenzene	0.983	1.010	-2.8	94	0.00
43 T	1,1,1,2-tetrachloroethane	0.429	0.429	0.2	95	0.00
44 *	ethylbenzene	1.686	1.731	-2.7	95	0.00
45 T	m,p-xylene	0.642	0.658	-2.5	96	0.00
46 T	o-xylene	0.622	0.628	-0.9	94	0.00
47 T	styrene	1.040	1.065	-2.4	94	0.00
48 **	bromoform	0.344	0.330	4.1	93	0.00
49 I	1,4-dichlorobenzene-d4	1.000	1.000	0.0	96	0.00
50 T	isopropylbenzene	2.984	3.016	-1.1	96	0.00
51 S	4-bromofluorobenzene	1.207	1.202	0.4	93	0.00
52 T	bromobenzene	0.833	0.848	-1.8	95	0.00
53 **	1,1,2,2-tetrachloroethane	0.691	0.644	6.8	85	0.00
54 T	1,2,3-trichloropropane	0.204	0.172	15.6	78	0.00
55 T	n-propylbenzene	3.473	3.582	-3.1	98	0.00
56 T	2-chlorotoluene	2.229	2.118	5.0	91	0.00
57 T	4-chlorotoluene	2.370	2.534	-6.9	99	0.00
58 T	1,3,5-trimethylbenzene	2.284	2.356	-3.2	98	0.00
59 T	tert-butylbenzene	1.745	1.767	-1.2	97	0.00
60 T	1,2,4-trimethylbenzene	2.284	2.356	-3.2	98	0.00
61 T	sec-butylbenzene	3.462	3.570	-3.1	98	0.00
62 T	1,3-dichlorobenzene	1.514	1.557	-2.9	98	0.00
63 T	4-isopropyltoluene	2.889	3.015	-4.4	99	0.00
64 T	1,4-dichlorobenzene	1.543	1.594	-3.4	97	0.00
65 T	1,2-dichlorobenzene	1.415	1.424	-0.6	94	0.00
66 T	n-butylbenzene	2.652	2.831	-6.7	102	0.00
67 T	1,2-dibromo-3-chloropropane	0.174	0.153	12.0	82	0.00
68 T	1,2,4-trichlorobenzene	1.042	1.102	-5.8	102	0.00
69 T	hexachlorobutadiene	0.886	0.936	-5.6	105	0.00
70 T	naphthalene	1.362	1.382	-1.5	97	0.00
71 T	1,2,3-trichlorobenzene	0.889	0.932	-4.8	102	0.00

Quantitation Report

Data File : C:\HPCHEM\1\DATA\JAN1595\V0049.D
 Acq On : 15 Jan 96 9:02 am
 Sample : VSTD50
 Misc : STD #V36,50PPB STD,W,5ML,8260
 Quant Time: Jan 15 9:30 1996

Vial: 1
 Operator: WF
 Inst : 5972 - In
 Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\8260W.M
 Title : SW-846 Method 8260 For Waters
 Last Update : Mon Jan 15 09:34:17 1996
 Response via : Multiple Level Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev (Min)
1) pentafluorobenzene	9.32	168	986380	50.00	ug/L	-0.03
20) 1,4-difluorobenzene	10.70	114	1064368	50.00	ug/L	-0.03
35) Chlorobenzene-d5	15.69	117	846422	50.00	ug/L	-0.03
49) 1,4-dichlorobenzene-d4	19.95	152	533606	50.00	ug/L	-0.03

System Monitoring Compounds						%Recovery
18) dibromofluoromethane	9.13	113	446967	49.70	ug/L	99.39%
31) toluene-d8	13.27	98	1028086	50.99	ug/L	101.97%
51) 4-bromofluorobenzene	17.78	95	641303	49.81	ug/L	99.61%

Target Compounds						Qvalue
2) dichlorodifluoromethane	3.28	85	540580	52.69	ug/L m	0
3) chloromethane	3.56	50	311689	51.79	ug/L	99
4) vinyl chloride	3.76	62	285921	49.30	ug/L	100
5) bromomethane	4.37	96	235102	52.11	ug/L	99
6) chloroethane	4.54	64	199502	49.46	ug/L	99
7) Acetone	5.54	43	57511	43.49	ug/L	95
8) trichlorofluoromethane	5.14	101	653319	51.48	ug/L	99
9) 1,1-dichloroethene	5.99	96	299721	49.64	ug/L #	87
10) methylene chloride	6.50	84	355380	56.56	ug/L	93
11) Carbon disulfide	6.63	76	753335	49.33	ug/L	100
12) trans-1,2-dichloroethene	7.18	96	311501	49.85	ug/L	95
13) 1,1-dichloroethane	7.69	63	616285	49.30	ug/L	100
14) 2,2-dichloropropane	8.73	77	473202	51.77	ug/L	97
15) cis-1,2-dichloroethene	8.61	96	342239	49.65	ug/L	94
16) bromochloromethane	8.98	128	187508	49.87	ug/L	97
17) chloroform	8.89	83	594139	48.91	ug/L	100
19) 1,1,1-trichloroethane	9.71	97	552915	50.00	ug/L	97
21) 2-Butanone	8.28	43	99808	44.88	ug/L	98
22) carbon tetrachloride	10.19	117	421773	53.12	ug/L	99
23) 1,1-dichloropropene	9.98	75	513111	51.33	ug/L	98
24) benzene	10.25	78	1013225	50.64	ug/L	100
25) 1,2-dichloroethane	9.98	62	369297	49.23	ug/L	95
26) trichloroethene	11.33	95	406583	49.83	ug/L	96
27) 1,2-dichloropropane	11.42	63	387225	49.32	ug/L	100
28) dibromomethane	11.66	93	267402	48.79	ug/L	94
29) bromodichloromethane	11.70	83	511015	50.17	ug/L	99
30) cis-1,3-dichloropropene	12.63	75	585609	51.54	ug/L	99
32) toluene	13.39	92	700984	51.65	ug/L	98
33) trans-1,3-dichloropropene	13.39	75	392868	51.46	ug/L	97
34) 1,1,2-trichloroethane	13.64	83	235651	47.21	ug/L	99
36) 4-Methyl-2-pentanone	12.48	43	260995	40.63	ug/L	97
37) 2-Hexanone	13.88	43	183246	44.22	ug/L	97

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

Quantitation Report

Data File : C:\HPCHEM\1\DATA\JAN1595\V0049.D
 Acq On : 15 Jan 96 9:02 am
 Sample : VSTD50
 Misc : STD #V36,50PPB STD,W,5ML,8260
 Quant Time: Jan 15 9:30 1996

Vial: 1
 Operator: WF
 Inst : 5972 - In
 Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\8260W.M
 Title : SW-846 Method 8260 For Waters
 Last Update : Mon Jan 15 09:34:17 1996
 Response via : Multiple Level Calibration

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
38) tetrachloroethene	14.60	166	505189	51.88	ug/L	98
39) 1,3-dichloropropane	14.04	76	480823	48.00	ug/L	99
40) dibromochloromethane	14.46	129	412543	49.85	ug/L	99
41) 1,2-dibromoethane	14.81	107	371385	48.31	ug/L	100
42) chlorobenzene	15.76	112	854997	51.39	ug/L	97
43) 1,1,1,2-tetrachloroethane	15.82	131	362915	49.92	ug/L	97
44) ethylbenzene	16.00	91	1465468	51.34	ug/L	98
45) m,p-xylene	16.19	106	1114065	102.49	ug/L	96
46) o-xylene	16.89	106	531354	50.47	ug/L	95
47) styrene	16.86	104	901184	51.18	ug/L	94
48) bromoform	17.07	173	279077	47.93	ug/L	99
50) isopropylbenzene	17.60	105	1609268	50.53	ug/L	100
52) bromobenzene	18.11	156	452762	50.90	ug/L	94
53) 1,1,2,2-tetrachloroethane	17.49	83	343706	46.59	ug/L	99
54) 1,2,3-trichloropropane	17.72	77	92045	42.18	ug/L #	87
55) n-propylbenzene	18.33	91	1911216	51.56	ug/L	99
56) 2-chlorotoluene	18.48	91	1129925	47.49	ug/L	94
57) 4-chlorotoluene	18.57	91	1352069	53.46	ug/L	97
58) 1,3,5-trimethylbenzene	18.64	105	1257118	51.58	ug/L	97
59) tert-butylbenzene	19.27	91	942777	50.61	ug/L	94
60) 1,2,4-trimethylbenzene	18.64	105	1257118	51.58	ug/L	97
61) sec-butylbenzene	19.69	105	1904722	51.55	ug/L	99
62) 1,3-dichlorobenzene	19.84	146	831014	51.44	ug/L	98
63) 4-isopropyltoluene	19.94	119	1609016	52.18	ug/L	98
64) 1,4-dichlorobenzene	20.00	146	850794	51.68	ug/L	98
65) 1,2-dichlorobenzene	20.62	146	759677	50.30	ug/L	98
66) n-butylbenzene	20.68	91	1510438	53.36	ug/L	95
67) 1,2-dibromo-3-chloropropan	21.82	75	81667	43.99	ug/L	82
68) 1,2,4-trichlorobenzene	23.74	180	588155	52.90	ug/L	99
69) hexachlorobutadiene	24.27	225	499226	52.78	ug/L	98
70) naphthalene	24.07	128	737663	50.74	ug/L	100
71) 1,2,3-trichlorobenzene	24.59	180	497491	52.42	ug/L	99

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

Quantitation Report

Data File : C:\HPCHEM\1\DATA\JAN1595\V0049.D
 Acq On : 15 Jan 96 9:02 am
 Sample : VSTD50
 Misc : STD #V36,50PPB STD,W,5ML,8260
 Quant Time: Jan 15 9:30 1996

Vial: 1
 Operator: WF
 Inst : 5972 - In
 Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\8260W.M
 Title : SW-846 Method 8260 For Waters
 Last Update : Mon Jan 15 09:34:17 1996
 Response via : Multiple Level Calibration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\JAN1595\V0049.D
 Acq On : 15 Jan 96 9:02 am
 Sample : VSTD50
 Misc : STD #V36,50PPB STD,W,5ML,8260
 Quant Time: Jan 15 9:30 1996

Vial: 1
 Operator: WF
 Inst : 5972 - In
 Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\8260W.M
 Title : SW-846 Method 8260 For Waters
 Last Update : Mon Jan 15 09:34:17 1996
 Response via : Multiple Level Calibration

Method : C:\HPCHEM\1\METHODS\8260W.M
 Title : SW-846 Method 8260 For Waters
 Last Update : Mon Jan 15 09:34:17 1996
 Response via : Initial Calibration

Calibration Files

20 =V0040.D 50 =V0041.D 100 =V0042.D
 150 =V0043.D 200 =V0044.D

	Compound	20	50	100	150	200	Avg	%RSD
1) I	pentafluorobenzene	-----ISTD-----						
2) T	dichlorodifluorometha	0.558	0.548	0.518	0.493	0.483	0.520	6.33
3) **	chloromethane	0.336	0.320	0.293	0.295	0.282	0.305	7.20
4) *	vinyl chloride	0.327	0.320	0.291	0.275	0.257	0.294	9.95
5) T	bromomethane	0.231	0.251	0.222	0.224	0.216	0.229	6.01
6) T	chloroethane	0.220	0.220	0.199	0.199	0.183	0.204	7.72
7) T	Acetone	0.079	0.066	0.066	0.058	0.067	0.067	11.25
8) T	trichlorofluoromethan	0.653	0.659	0.646	0.648	0.611	0.643	2.93
9) M*	1,1-dichloroethene	0.332	0.320	0.296	0.293	0.289	0.306	6.23
10) T	methylene chloride	0.382	0.331	0.299	0.293	0.288	0.318	12.27
11) T	Carbon disulfide	0.833	0.808	0.756	0.751	0.722	0.774	5.87
12) T	trans-1,2-dichloroeth	0.334	0.327	0.311	0.308	0.303	0.317	4.17
13) **	1,1-dichloroethane	0.673	0.665	0.624	0.609	0.597	0.634	5.30
14) T	2,2-dichloropropane	0.449	0.469	0.472	0.470	0.457	0.463	2.22
15) T	cis-1,2-dichloroethen	0.365	0.362	0.346	0.339	0.335	0.349	3.91
16) T	bromochloromethane	0.177	0.203	0.197	0.188	0.188	0.191	5.19
17) *	chloroform	0.618	0.630	0.604	0.590	0.583	0.605	3.18
18) S	dibromofluoromethane	0.433	0.471	0.463	0.456	0.456	0.456	3.09
19) T	1,1,1-trichloroethane	0.569	0.577	0.559	0.556	0.542	0.561	2.41
20) I	1,4-difluorobenzene	-----ISTD-----						
21) T	2-Butanone	0.088	0.107	0.110	0.102	0.115	0.104	10.03
22) T	carbon tetrachloride	0.268	0.356	0.395	0.420	0.425	0.373	17.32
23) T	1,1-dichloropropene	0.494	0.481	0.465	0.457	0.450	0.470	3.87
24) TM	benzene	0.987	0.970	0.931	0.915	0.897	0.940	4.04
25) T	1,2-dichloroethane	0.330	0.369	0.364	0.351	0.348	0.352	4.32
26) TM	trichloroethene	0.404	0.383	0.371	0.368	0.390	0.383	3.81
27) *	1,2-dichloropropane	0.375	0.384	0.370	0.361	0.354	0.369	3.17
28) T	dibromomethane	0.235	0.270	0.269	0.253	0.260	0.257	5.54
29) T	bromodichloromethane	0.424	0.490	0.496	0.497	0.486	0.478	6.44
30) T	cis-1,3-dichloroprope	0.486	0.560	0.557	0.538	0.528	0.534	5.54
31) S	toluene-d8	0.961	0.982	0.938	0.924	0.932	0.947	2.53
32) M*	toluene	0.654	0.665	0.635	0.620	0.613	0.638	3.45
33) T	trans-1,3-dichloropro	0.284	0.375	0.389	0.372	0.373	0.359	11.74
34) T	1,1,2-trichloroethane	0.210	0.244	0.244	0.234	0.239	0.234	6.02
35) I	Chlorobenzene-d5	-----ISTD-----						
36) T	4-Methyl-2-pentanone	0.336	0.375	0.391	0.376	0.420	0.379	8.06
37) T	2-Hexanone	0.173	0.250	0.264	0.248	0.289	0.245	17.68
38) T	tetrachloroethene	0.590	0.564	0.567	0.574	0.581	0.575	1.86
39) T	1,3-dichloropropane	0.556	0.600	0.607	0.589	0.606	0.592	3.61
40) T	dibromochloromethane	0.376	0.486	0.515	0.519	0.548	0.489	13.66

(#) = Out of Range

8260W.M

Wed Jan 17 08:49:27 1996

CASPER

Page 1

Response Factor Report 5972 - In

Method : C:\HPCHEM\1\METHODS\8260W.M
 Title : SW-846 Method 8260 For Waters
 Last Update : Mon Jan 15 09:34:17 1996
 Response via : Initial Calibration

Calibration Files

20 =V0040.D 50 =V0041.D 100 =V0042.D
 150 =V0043.D 200 =V0044.D

	Compound	20	50	100	150	200	Avg	%RSD
41) T	1,2-dibromoethane	0.393	0.465	0.479	0.453	0.481	0.454	7.92
42) M**	chlorobenzene	0.993	1.001	0.980	0.957	0.984	0.983	1.69
43) T	1,1,1,2-tetrachloroet	0.382	0.421	0.438	0.454	0.452	0.429	6.92
44) *	ethylbenzene	1.781	1.705	1.666	1.636	1.642	1.686	3.54
45) T	m,p-xylene	0.689	0.645	0.631	0.622	0.624	0.642	4.33
46) T	o-xylene	0.663	0.625	0.616	0.603	0.602	0.622	4.01
47) T	styrene	1.062	1.056	1.038	1.010	1.034	1.040	1.97
48) **	bromoform	0.219	0.333	0.377	0.376	0.416	0.344	22.03
49) I	1,4-dichlorobenzene-d	-----ISTD-----						
50) T	isopropylbenzene	3.286	3.017	2.907	2.912	2.799	2.984	6.21
51) S	4-bromofluorobenzene	1.226	1.238	1.189	1.191	1.188	1.207	1.99
52) T	bromobenzene	0.816	0.857	0.837	0.825	0.832	0.833	1.83
53) **	1,1,2,2-tetrachloroet	0.528	0.729	0.765	0.750	0.684	0.691	13.93
54) T	1,2,3-trichloropropan	0.192	0.214	0.204	0.203	0.210	0.204	4.01
55) T	n-propylbenzene	3.834	3.525	3.389	3.329	3.291	3.473	6.34
56) T	2-chlorotoluene	2.360	2.244	2.220	2.168	2.155	2.229	3.67
57) T	4-chlorotoluene	2.621	2.448	2.276	2.305	2.199	2.370	7.05
58) T	1,3,5-trimethylbenzen	2.560	2.306	2.204	2.170	2.178	2.284	7.18
59) T	tert-butylbenzene	1.965	1.754	1.689	1.672	1.646	1.745	7.39
60) T	1,2,4-trimethylbenzen	2.560	2.306	2.204	2.170	2.178	2.284	7.18
61) T	sec-butylbenzene	3.899	3.492	3.355	3.289	3.278	3.462	7.46
62) T	1,3-dichlorobenzene	1.563	1.533	1.503	1.492	1.477	1.514	2.28
63) T	4-isopropyltoluene	3.232	2.910	2.811	2.734	2.758	2.889	7.04
64) T	1,4-dichlorobenzene	1.599	1.571	1.528	1.514	1.501	1.543	2.67
65) T	1,2-dichlorobenzene	1.435	1.448	1.405	1.406	1.382	1.415	1.87
66) T	n-butylbenzene	3.077	2.659	2.554	2.439	2.533	2.652	9.42
67) T	1,2-dibromo-3-chlorop	0.108	0.180	0.198	0.195	0.190	0.174	21.64
68) T	1,2,4-trichlorobenzen	1.058	1.033	1.038	0.997	1.083	1.042	3.04
69) T	hexachlorobutadiene	0.939	0.855	0.886	0.863	0.889	0.886	3.71
70) T	naphthalene	1.128	1.368	1.443	1.319	1.553	1.362	11.58
71) T	1,2,3-trichlorobenzen	0.854	0.877	0.898	0.861	0.957	0.889	4.67

BFB 624 Results

C:\HPCHEM\1\DATA\JAN1595\V0047.D

Mon Jan 15 07:58:26 1996

Peak Apex is scan: 111

Average of 3 scans: 110, 111, 112 minus background scan 106

Target Mass	Comparison Mass	Lower Limit, %	Upper Limit, %	Relative Abundance, %	Result Pass/Fail
50	95	15	40	19.6	PASS
75	95	30	60	46.4	PASS
95	95	100	100	100.0	PASS
96	95	5	9	7.1	PASS
173	174	0	2	0.0	PASS
174	95	50	100	71.6	PASS
175	174	5	9	7.3	PASS
176	174	95	101	97.8	PASS
177	176	5	9	6.8	PASS

BFB

Data File : C:\HPCHEM\1\DATA\JAN1595\V0047.D
 Acq On : 15 Jan 96 7:50 am
 Sample : 50nG BFB
 Misc : 2ul direct injection

Vial: 1
 Operator: WF
 Inst : 5972 - In
 Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\METBFB.M
 Title :

Peak Apex is scan: 111

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	19.6	9531	PASS
75	95	30	60	46.4	22549	PASS
95	95	100	100	100.0	48592	PASS
96	95	5	9	7.1	3472	PASS
173	174	0	2	0.0	0	PASS
174	95	50	100	71.6	34781	PASS
175	174	5	9	7.3	2555	PASS
176	174	95	101	97.8	34013	PASS
177	176	5	9	6.8	2304	PASS

Evaluate Continuing Calibration Report

Data File : C:\HPCHEM\1\DATA\JAN1595\V0049.D
 Acq On : 15 Jan 96 9:02 am
 Sample : VSTD50
 Misc : STD #V36,50PPB STD,W,5ML,8260

Vial: 1
 Operator: WF
 Inst : 5972 - In
 Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\8260W.M
 Title : SW-846 Method 8260 For Waters
 Last Update : Fri Jan 12 15:26:29 1996
 Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I	pentafluorobenzene	1.000	1.000	0.0	99	-0.03
2 T	dichlorodifluoromethane	0.520	0.548	-5.4	99	-0.02
3 **	chloromethane	0.305	0.316	-3.6	97	-0.03
4 *	vinyl chloride	0.294	0.290	1.4	89	-0.02
5 T	bromomethane	0.229	0.238	-4.2	94	0.00
6 T	chloroethane	0.204	0.202	1.1	91	0.00
7 T	Acetone	0.067	0.058	13.0	88	-0.05
8 T	trichlorofluoromethane	0.643	0.662	-3.0	99	0.00
9 M*	1,1-dichloroethene	0.306	0.304	0.7	94	-0.02
10 T	methylene chloride	0.318	0.360	-13.1	107	-0.03
11 T	Carbon disulfide	0.774	0.764	1.3	93	-0.03
12 T	trans-1,2-dichloroethene	0.317	0.316	0.3	95	-0.03
13 **	1,1-dichloroethane	0.634	0.625	1.4	93	-0.03
14 T	2,2-dichloropropane	0.463	0.480	-3.5	101	-0.03
15 T	cis-1,2-dichloroethene	0.349	0.347	0.7	94	-0.03
16 T	bromochloromethane	0.191	0.190	0.3	92	-0.03
17 *	chloroform	0.605	0.602	0.4	94	-0.05
18 S	dibromofluoromethane	0.456	0.453	0.6	95	-0.05
19 T	1,1,1-trichloroethane	0.561	0.561	-0.0	96	-0.02
20 I	1,4-difluorobenzene	1.000	1.000	0.0	96	-0.03
21 T	2-Butanone	0.104	0.094	10.2	84	-0.03
22 T	carbon tetrachloride	0.373	0.396	-6.2	107	-0.03
23 T	1,1-dichloropropene	0.470	0.482	-2.7	96	-0.03
24 TM	benzene	0.940	0.952	-1.3	94	-0.03
25 T	1,2-dichloroethane	0.352	0.347	1.5	90	-0.03
26 TM	trichloroethene	0.383	0.382	0.3	96	-0.03
27 *	1,2-dichloropropane	0.369	0.364	1.4	91	-0.03
28 T	dibromomethane	0.257	0.251	2.4	89	-0.03
29 T	bromodichloromethane	0.478	0.480	-0.3	94	-0.03
30 T	cis-1,3-dichloropropene	0.534	0.550	-3.1	94	-0.03
31 S	toluene-d8	0.947	0.966	-2.0	94	-0.03
32 M*	toluene	0.638	0.659	-3.3	95	-0.03
33 T	trans-1,3-dichloropropene	0.359	0.369	-2.9	94	-0.03
34 T	1,1,2-trichloroethane	0.234	0.221	5.6	87	-0.03
35 I	Chlorobenzene-d5	1.000	1.000	0.0	94	-0.03
36 T	4-Methyl-2-pentanone	0.379	0.308	18.7	77	-0.03
37 T	2-Hexanone	0.245	0.216	11.6	81	-0.03
38 T	tetrachloroethene	0.575	0.597	-3.8	99	-0.05
39 T	1,3-dichloropropane	0.592	0.568	4.0	89	-0.03

(#) = Out of Range

Evaluate Continuing Calibration Report

Data File : C:\HPCHEM\1\DATA\JAN1595\V0049.D
 Acq On : 15 Jan 96 9:02 am
 Sample : VSTD50
 Misc : STD #V36,50PPB STD,W,5ML,8260

Vial: 1
 Operator: WF
 Inst : 5972 - In
 Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\8260W.M
 Title : SW-846 Method 8260 For Waters
 Last Update : Fri Jan 12 15:26:29 1996
 Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
40 T	dibromochloromethane	0.489	0.487	0.3	94	-0.05
41 T	1,2-dibromoethane	0.454	0.439	3.4	88	-0.03
42 M**	chlorobenzene	0.983	1.010	-2.8	94	-0.05
43 T	1,1,1,2-tetrachloroethane	0.429	0.429	0.2	95	-0.03
44 *	ethylbenzene	1.686	1.731	-2.7	95	-0.03
45 T	m,p-xylene	0.642	0.658	-2.5	96	-0.03
46 T	o-xylene	0.622	0.628	-0.9	94	-0.03
47 T	styrene	1.040	1.065	-2.4	94	-0.03
48 **	bromoform	0.344	0.330	4.1	93	-0.05
49 I	1,4-dichlorobenzene-d4	1.000	1.000	0.0	96	-0.03
50 T	isopropylbenzene	2.984	3.016	-1.1	96	-0.03
51 S	4-bromofluorobenzene	1.207	1.202	0.4	93	-0.03
52 T	bromobenzene	0.833	0.848	-1.8	95	-0.03
53 **	1,1,2,2-tetrachloroethane	0.691	0.644	6.8	85	-0.03
54 T	1,2,3-trichloropropane	0.204	0.172	15.6	78	-0.03
55 T	n-propylbenzene	3.473	3.582	-3.1	98	-0.03
56 T	2-chlorotoluene	2.229	2.118	5.0	91	-0.03
57 T	4-chlorotoluene	2.370	2.534	-6.9	99	-0.05
58 T	1,3,5-trimethylbenzene	2.284	2.356	-3.2	98	-0.03
59 T	tert-butylbenzene	1.745	1.767	-1.2	97	-0.03
60 T	1,2,4-trimethylbenzene	2.284	2.356	-3.2	98	-0.03
61 T	sec-butylbenzene	3.462	3.570	-3.1	98	-0.03
62 T	1,3-dichlorobenzene	1.514	1.557	-2.9	98	-0.05
63 T	4-isopropyltoluene	2.889	3.015	-4.4	99	-0.03
64 T	1,4-dichlorobenzene	1.543	1.594	-3.4	97	-0.05
65 T	1,2-dichlorobenzene	1.415	1.424	-0.6	94	-0.05
66 T	n-butylbenzene	2.652	2.831	-6.7	102	-0.03
67 T	1,2-dibromo-3-chloropropane	0.174	0.153	12.0	82	-0.03
68 T	1,2,4-trichlorobenzene	1.042	1.102	-5.8	102	-0.03
69 T	hexachlorobutadiene	0.886	0.936	-5.6	105	-0.03
70 T	naphthalene	1.362	1.382	-1.5	97	-0.03
71 T	1,2,3-trichlorobenzene	0.889	0.932	-4.8	102	-0.03

Quantitation Report

Data File : C:\HPCHEM\1\DATA\JAN1595\V0049.D
 Acq On : 15 Jan 96 9:02 am
 Sample : VSTD50
 Misc : STD #V36,50PPB STD,W,5ML,8260
 Quant Time: Jan 15 9:30 1996

Vial: 1
 Operator: WF
 Inst : 5972 - In
 Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\8260W.M
 Title : SW-846 Method 8260 For Waters
 Last Update : Fri Jan 12 15:26:29 1996
 Response via : Multiple Level Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev (Min)
1) pentafluorobenzene	9.32	168	986380	50.00	ug/L	-0.03
20) 1,4-difluorobenzene	10.70	114	1064368	50.00	ug/L	-0.03
35) Chlorobenzene-d5	15.69	117	846422	50.00	ug/L	-0.03
49) 1,4-dichlorobenzene-d4	19.95	152	533606	50.00	ug/L	-0.03

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	%Recovery
18) dibromofluoromethane	9.13	113	446967	49.70	ug/L	99.39%
31) toluene-d8	13.27	98	1028086	50.99	ug/L	101.97%
51) 4-bromofluorobenzene	17.78	95	641303	49.81	ug/L	99.61%

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) dichlorodifluoromethane	3.28	85	540580	52.69	ug/L m	0
3) chloromethane	3.56	50	311689	51.79	ug/L	99
4) vinyl chloride	3.76	62	285921	49.30	ug/L	100
5) bromomethane	4.37	96	235102	52.11	ug/L	99
6) chloroethane	4.54	64	199502	49.46	ug/L	99
7) Acetone	5.54	43	57511	43.49	ug/L	95
8) trichlorofluoromethane	5.14	101	653319	51.48	ug/L	99
9) 1,1-dichloroethene	5.99	96	299721	49.64	ug/L #	87
10) methylene chloride	6.50	84	355380	56.56	ug/L	93
11) Carbon disulfide	6.63	76	753335	49.33	ug/L	100
12) trans-1,2-dichloroethene	7.18	96	311501	49.85	ug/L	95
13) 1,1-dichloroethane	7.69	63	616285	49.30	ug/L	100
14) 2,2-dichloropropane	8.73	77	473202	51.77	ug/L	97
15) cis-1,2-dichloroethene	8.61	96	342239	49.65	ug/L	94
16) bromochloromethane	8.98	128	187508	49.87	ug/L	97
17) chloroform	8.89	83	594139	48.91	ug/L	100
19) 1,1,1-trichloroethane	9.71	97	552915	50.00	ug/L	97
21) 2-Butanone	8.28	43	99808	44.88	ug/L	98
22) carbon tetrachloride	10.19	117	421773	53.12	ug/L	99
23) 1,1-dichloropropene	9.98	75	513111	51.33	ug/L	98
24) benzene	10.25	78	1013225	50.64	ug/L	100
25) 1,2-dichloroethane	9.98	62	369297	49.23	ug/L	95
26) trichloroethene	11.33	95	406583	49.83	ug/L	96
27) 1,2-dichloropropane	11.42	63	387225	49.32	ug/L	100
28) dibromomethane	11.66	93	267402	48.79	ug/L	94
29) bromodichloromethane	11.70	83	511015	50.17	ug/L	99
30) cis-1,3-dichloropropene	12.63	75	585609	51.54	ug/L	99
32) toluene	13.39	92	700984	51.65	ug/L	98
33) trans-1,3-dichloropropene	13.39	75	392868	51.46	ug/L	97
34) 1,1,2-trichloroethane	13.64	83	235651	47.21	ug/L	99
36) 4-Methyl-2-pentanone	12.48	43	260995	40.63	ug/L	97
37) 2-Hexanone	13.88	43	183246	44.22	ug/L	97

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

Quantitation Report

Data File : C:\HPCHEM\1\DATA\JAN1595\V0049.D
 Acq On : 15 Jan 96 9:02 am
 Sample : VSTD50
 Misc : STD #V36,50PPB STD,W,5ML,8260
 Quant Time: Jan 15 9:30 1996

Vial: 1
 Operator: WF
 Inst : 5972 - In--
 Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\8260W.M
 Title : SW-846 Method 8260 For Waters
 Last Update : Fri Jan 12 15:26:29 1996
 Response via : Multiple Level Calibration

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
38) tetrachloroethene	14.60	166	505189	51.88	ug/L	98
39) 1,3-dichloropropane	14.04	76	480823	48.00	ug/L	99
40) dibromochloromethane	14.46	129	412543	49.85	ug/L	99
41) 1,2-dibromoethane	14.81	107	371385	48.31	ug/L	100
42) chlorobenzene	15.76	112	854997	51.39	ug/L	97
43) 1,1,1,2-tetrachloroethane	15.82	131	362915	49.92	ug/L	97
44) ethylbenzene	16.00	91	1465468	51.34	ug/L	98
45) m,p-xylene	16.19	106	1114065	102.49	ug/L	96
46) o-xylene	16.89	106	531354	50.47	ug/L	95
47) styrene	16.86	104	901184	51.18	ug/L	94
48) bromoform	17.07	173	279077	47.93	ug/L	99
50) isopropylbenzene	17.60	105	1609268	50.53	ug/L	100
52) bromobenzene	18.11	156	452762	50.90	ug/L	94
53) 1,1,2,2-tetrachloroethane	17.49	83	343706	46.59	ug/L	99
54) 1,2,3-trichloropropane	17.72	77	92045	42.18	ug/L #	87
55) n-propylbenzene	18.33	91	1911216	51.56	ug/L	99
56) 2-chlorotoluene	18.48	91	1129925	47.49	ug/L	94
57) 4-chlorotoluene	18.57	91	1352069	53.46	ug/L	97
58) 1,3,5-trimethylbenzene	18.64	105	1257118	51.58	ug/L	97
59) tert-butylbenzene	19.27	91	942777	50.61	ug/L	94
60) 1,2,4-trimethylbenzene	18.64	105	1257118	51.58	ug/L	97
61) sec-butylbenzene	19.69	105	1904722	51.55	ug/L	99
62) 1,3-dichlorobenzene	19.84	146	831014	51.44	ug/L	98
63) 4-isopropyltoluene	19.94	119	1609016	52.18	ug/L	98
64) 1,4-dichlorobenzene	20.00	146	850794	51.68	ug/L	98
65) 1,2-dichlorobenzene	20.62	146	759677	50.30	ug/L	98
66) n-butylbenzene	20.68	91	1510438	53.36	ug/L	95
67) 1,2-dibromo-3-chloropropan	21.82	75	81667	43.99	ug/L	82
68) 1,2,4-trichlorobenzene	23.74	180	588155	52.90	ug/L	99
69) hexachlorobutadiene	24.27	225	499226	52.78	ug/L	98
70) naphthalene	24.07	128	737663	50.74	ug/L	100
71) 1,2,3-trichlorobenzene	24.59	180	497491	52.42	ug/L	99

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

Quantitation Report

Data File : C:\HPCHEM\1\DATA\JAN1595\V0049.D
 Acq On : 15 Jan 96 9:02 am
 Sample : VSTD50
 Misc : STD #V36,50PPB STD,W,5ML,8260
 Quant Time: Jan 15 9:30 1996

Vial: 1
 Operator: WF
 Inst : 5972 - In
 Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\8260W.M
 Title : SW-846 Method 8260 For Waters
 Last Update : Fri Jan 12 15:26:29 1996
 Response via : Multiple Level Calibration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\JAN1595\V0050.D
 Acq On : 15 Jan 96 9:38 am
 Sample : VBLK01
 Misc : METHOD BLANK,W,5,8260
 Quant Time: Jan 15 12:59 1996

Vial: 3
 Operator: WF
 Inst : 5972 - In
 Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\8260W.M
 Title : SW-846 Method 8260 For Waters
 Last Update : Mon Jan 15 09:34:17 1996
 Response via : Multiple Level Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) pentafluorobenzene	9.32	168	1036357	50.00	ug/L	0.00
20) 1,4-difluorobenzene	10.70	114	1110999	50.00	ug/L	0.00
35) Chlorobenzene-d5	15.70	117	898292	50.00	ug/L	0.00
49) 1,4-dichlorobenzene-d4	19.95	152	572888	50.00	ug/L	0.00
System Monitoring Compounds						%Recovery
18) dibromofluoromethane	9.14	113	467073	49.43	ug/L	98.85%
31) toluene-d8	13.25	98	1057479	50.24	ug/L	100.49%
51) 4-bromofluorobenzene	17.79	95	671240	48.56	ug/L	97.11%
Target Compounds						Qvalue
10) methylene chloride	6.50	84	38148	5.78	ug/L	91

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

Quantitation Report

Data File : C:\HPCHEM\1\DATA\JAN1595\V0050.D
 Acq On : 15 Jan 96 9:38 am
 Sample : VBLK01
 Misc : METHOD BLANK,W,5,8260
 Quant Time: Jan 15 12:59 1996

Vial: 3
 Operator: WF
 Inst : 5972 - In
 Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\8260W.M
 Title : SW-846 Method 8260 For Waters
 Last Update : Mon Jan 15 09:34:17 1996
 Response via : Multiple Level Calibration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\JAN1595\V0050.D
Acq On : 15 Jan 96 9:38 am
Sample : VBLK01
Misc : METHOD BLANK,W,5,8260
Quant Time: Jan 15 12:59 1996

Vial: 3
Operator: WF
Inst : 5972 - In
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\8260W.M
Title : SW-846 Method 8260 For Waters
Last Update : Mon Jan 15 09:34:17 1996
Response via : Multiple Level Calibration

AbundanceScan 389 (6.558 min): V0010.D (-,*

#10

methylene chloride

Concen: 5.78 ug/L

RT: 6.50 min Scan# 212

Delta R.T. 0.00 min

Lab File: V0050.D

Acq: 15 Jan 96 9:38 am

AbundanceScan 212 (6.505 min): V0050.D (*)

Tgt Ion:84 Resp: 38148

Ion Ratio Lower Upper

84 100

86 65.0 45.8 85.8

49 137.7 132.9 172.9

0 0.0 0.0 0.0

AbundanceIon 84.00 (83.
Ion 86.00 (85.
Ion 49.00 (48.

AbundanceScan 212 (6.505 min): V0050.D (-,*

Quantitation Report

Data File : C:\HPCHEM\1\DATA\JAN1595\V0058.D
 Acq On : 15 Jan 96 2:32 pm
 Sample : ECO-001-3AMS
 Misc : VOATEST03,W,5,8260
 Quant Time: Jan 16 7:59 1996

Vial: 12
 Operator: WF
 Inst : 5972 - In
 Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\8260W.M
 Title : SW-846 Method 8260 For Waters
 Last Update : Mon Jan 15 09:34:17 1996
 Response via : Multiple Level Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev (Min)
1) pentafluorobenzene	9.32	168	935989	50.00	ug/L	0.00
20) 1,4-difluorobenzene	10.70	114	992607	50.00	ug/L	0.00
35) Chlorobenzene-d5	15.70	117	808443	50.00	ug/L	0.00
49) 1,4-dichlorobenzene-d4	19.95	152	505231	50.00	ug/L	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	%Recovery
18) dibromofluoromethane	9.15	113	432878	50.72	ug/L	101.44%
31) toluene-d8	13.27	98	975810	51.89	ug/L	103.78%
51) 4-bromofluorobenzene	17.79	95	610494	50.08	ug/L	100.15%

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) 1,1-dichloroethene <i>Sp</i>	5.99	96	702900	122.69	ug/L	# 87
10) methylene chloride	6.51	84	650294	109.07	ug/L	92
17) chloroform	8.90	83	1116312	100.14	ug/L	99
19) 1,1,1-trichloroethane	9.71	97	897158	85.50	ug/L	97
22) carbon tetrachloride	10.19	117	430863	58.19	ug/L	99
24) benzene <i>Sp</i>	10.27	78	1261947	67.63	ug/L	99 163
25) 1,2-dichloroethane <i>Sp</i>	9.99	62	746955	106.77	ug/L	94
26) trichloroethene <i>Sp</i>	11.33	95	733568	96.40	ug/L	94 10
29) bromodichloromethane	11.71	83	1017548	107.12	ug/L	99
32) toluene <i>Sp</i>	13.39	92	1114377	88.04	ug/L	98 107
36) 4-Methyl-2-pentanone	12.48	43	543245	88.54	ug/L	97
38) tetrachloroethene	14.60	166	503243	54.11	ug/L	99
40) dibromochloromethane	14.46	129	811747	102.69	ug/L	99
42) chlorobenzene <i>Sp</i>	15.76	112	1183816	74.49	ug/L	96 102
43) 1,1,1,2-tetrachloroethane	15.82	131	608941	87.69	ug/L	98
44) ethylbenzene	16.01	91	2574149	94.42	ug/L	98
45) m,p-xylene	16.18	106	640988	61.74	ug/L	97
46) o-xylene	16.89	106	1713194	170.36	ug/L	93
48) bromoform	17.08	173	931651	167.52	ug/L	99
62) 1,3-dichlorobenzene	19.85	146	2229484	145.77	ug/L	97
64) 1,4-dichlorobenzene	20.00	146	696081	44.65	ug/L	98
65) 1,2-dichlorobenzene	20.62	146	543562	38.01	ug/L	98

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

Quantitation Report

Data File : C:\HPCHEM\1\DATA\JAN1595\V0058.D
 Acq On : 15 Jan 96 2:32 pm
 Sample : ECO-001-3AMS
 Misc : VOATEST03,W,5,8260
 Quant Time: Jan 16 7:59 1996

Vial: 12
 Operator: WF
 Inst : 5972 - In
 Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\8260W.M
 Title : SW-846 Method 8260 For Waters
 Last Update : Mon Jan 15 09:34:17 1996
 Response via : Multiple Level Calibration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\JAN1595\V0058.D
 Acq On : 15 Jan 96 2:32 pm
 Sample : ECO-001-3AMS
 Misc : VOATEST03,W,5,8260
 Quant Time: Jan 16 7:59 1996

Vial: 12
 Operator: WF
 Inst : 5972 - In
 Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\8260W.M
 Title : SW-846 Method 8260 For Waters
 Last Update : Mon Jan 15 09:34:17 1996
 Response via : Multiple Level Calibration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\JAN1595\V0059.D
 Acq On : 15 Jan 96 3:10 pm
 Sample : ECO-001-3AMSD
 Misc : VOATEST03,W,5,8260
 Quant Time: Jan 16 8:03 1996

Vial: 13
 Operator: WF
 Inst : 5972 - In
 Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\8260W.M
 Title : SW-846 Method 8260 For Waters
 Last Update : Mon Jan 15 09:34:17 1996
 Response via : Multiple Level Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev (Min)
1) pentafluorobenzene	9.32	168	942990	50.00	ug/L	0.00
20) 1,4-difluorobenzene	10.70	114	991332	50.00	ug/L	0.00
35) Chlorobenzene-d5	15.71	117	782039	50.00	ug/L	0.02
49) 1,4-dichlorobenzene-d4	19.95	152	490593	50.00	ug/L	0.00

System Monitoring Compounds						%Recovery
18) dibromofluoromethane	9.15	113	421270	48.99	ug/L	97.99%
31) toluene-d8	13.27	98	958207	51.02	ug/L	102.04%
51) 4-bromofluorobenzene	17.79	95	588265	49.69	ug/L	99.38%

Target Compounds						Qvalue
9) 1,1-dichloroethene	5.99	96	689663	✓119.48	ug/L	# 87
10) methylene chloride	6.50	84	626569	104.31	ug/L	91
17) chloroform	8.90	83	1060087	94.19	ug/L	100
19) 1,1,1-trichloroethane	9.71	97	856414	81.01	ug/L	97
22) carbon tetrachloride	10.19	117	412785	55.82	ug/L	99
24) benzene	10.26	78	1224775	✓65.72	ug/L	99
25) 1,2-dichloroethane	9.99	62	693224	99.22	ug/L	94
26) trichloroethene	11.33	95	711138	✓93.57	ug/L	95
29) bromodichloromethane	11.70	83	944037	99.51	ug/L	99
32) toluene	13.39	92	1074444	✓84.99	ug/L	98
36) 4-Methyl-2-pentanone	12.48	43	491125	82.75	ug/L	97
38) tetrachloroethene	14.61	166	476278	52.94	ug/L	99
40) dibromochloromethane	14.46	129	762259	99.69	ug/L	100
42) chlorobenzene	15.77	112	1135879	✓73.89	ug/L	94
43) 1,1,1,2-tetrachloroethane	15.82	131	560085	83.38	ug/L	99
44) ethylbenzene	16.02	91	2422841	91.87	ug/L	98
45) m,p-xylene	16.19	106	601743	59.92	ug/L	98
46) o-xylene	16.89	106	1597095	164.18	ug/L	95
48) bromoform	17.07	173	850052	158.01	ug/L	99
62) 1,3-dichlorobenzene	19.84	146	2098700	141.31	ug/L	98
64) 1,4-dichlorobenzene	20.00	146	629612	41.59	ug/L	98
65) 1,2-dichlorobenzene	20.63	146	501053	36.09	ug/L	97

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

Quantitation Report

Data File : C:\HPCHEM\1\DATA\JAN1595\V0059.D
 Acq On : 15 Jan 96 3:10 pm
 Sample : ECO-001-3AMSD
 Misc : VOATEST03,W,5,8260
 Quant Time: Jan 16 8:03 1996

Vial: 13
 Operator: WF
 Inst : 5972 - In...
 Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\8260W.M
 Title : SW-846 Method 8260 For Waters
 Last Update : Mon Jan 15 09:34:17 1996
 Response via : Multiple Level Calibration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\JAN1595\V0059.D
 Acq On : 15 Jan 96 3:10 pm
 Sample : ECO-001-3AMSD
 Misc : VOATEST03,W,5,8260
 Quant Time: Jan 16 8:03 1996

Vial: 13
 Operator: WF
 Inst : 5972 - In
 Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\8260W.M
 Title : SW-846 Method 8260 For Waters
 Last Update : Mon Jan 15 09:34:17 1996
 Response via : Multiple Level Calibration

Notebook No. _____

Continued From Page _____

PROJECT _____

FILE I.D	ECO I.D	DATE	TIME	Dil	MATRIX	Init.	PH	
V0047	SONG BFB	1/15/96	7:50	N/A	W N/A	WF	N/A	Std # V33 ^{WF} V1 :
V0048	VSTD50			N/A	W	WF	N/A	Std # V33, Sur :
V0049	VSTD50			N/A	W	WF	N/A	Std # V36, Sop
V0050	VBLK01		9:38	1	W	WF	7	Method BLAM
V0051	ELC-001-1A		10:27	1	W		6	VcATest01
V0052	ELC-001-2A		11:00	1	W		6	VcATest02
V0053	ELC-001-4A		11:32	1	W		6	VcATest04
V0054	ELC-001-5A		12:09	1	W		6	VcATest05
V0055	ELC-001-6A		12:42	1	W		6	VcATest06
V0056	ELC-001-7A		01:19	1	W		6	VcATest07
V0057	ELC-001-3A		01:55	1	W		6	VcATest03
V0058	ELC-001-3AMS		2:30	1	W		6	VcATest03
V0059	ELC-001-3AMIS		3:10	1	W		6	VcATest03

STANDARDS	DATE prepared	
V26	1/12/96	Soppa
V22	1/12/96	Sopp
V27	1/12/96	Soppa
V23	1/12/96	Sopp

Continued on Page _____

Read and Understood By

(Signature)

1/16/96

APPENDIX B

AQUEOUS SAMPLE SVOA REPORT

2C
WATER SEMIVOLATILE SURROGATE RECOVERY

Lab Name: ECO Contract: N/A
Lab Code: RTAL Case No.: N/A SAS No.: N/A SDG No.: SDG#1

	EPA SAMPLE NO.	S1 (2FP) #	S2 (PHL) #	S3 (NBZ) #	S4 (FBP) #	S5 (TBP) #	S6 (TPH) #	TOT OUT
01	SBLK01	37	36	72	74	72	73	0
02	SEMI01	36	36	74	77	73	71	0
03	SEMI02	37	36	70	72	72	71	0
04	SEMI03	36	35	68	69	68	70	0
05	SEMI04	43	42	73	72	75	77	0
06	SEMI05	33	33	66	64	59	65	0
07	SEMI06	32	33	61	63	69	67	0
08	SEMI06MS	36	35	71	72	68	63	0
09	SEMI06MSD	39	38	71	72	74	73	0
10	SEMI07	26	27	56	61	60	57	0
11	SBLK02	30	29	55	51	55	54	0

			QC LIMITS
S1	(2FP)	= 2-Fluorophenol	(21-110)
S2	(PHL)	= Phenol-d5	(10-110)
S3	(NBZ)	= Nitrobenzene-d5	(34-114)
S4	(FBP)	= 2-Fluorobiphenyl	(43-116)
S5	(TBP)	= 2,4,6-Tribromophenol	(10-123)
S6	(TPH)	= Terphenyl-d14	(33-141)

Column to be used to flag recovery values

* Values outside of contract required QC limits

D Surrogate diluted out

2C
WATER SEMIVOLATILE SURROGATE RECOVERY

Lab Name: ECO Contract: N/A
Lab Code: RTAL Case No.: N/A SAS No.: N/A SDG No.: SDG#1

EPA SAMPLE NO.	S1 (2FP) #	S2 (PHL) #	S3 (NBZ) #	S4 (FBP) #	S5 (TBP) #	S6 (TPH) #	TOT OUT
01 LCSA	24 *	27	64	64	54	64	1

LCSA was spiked with
100 µg/mL of Acid & BPN
Surrogates. Recovery
Should not been flagged.
The required QC limit
is 21-110. (1.2)

QC LIMITS		
S1 (2FP)	= 2-Fluorophenol	(21-110)
S2 (PHL)	= Phenol-d5	(10-110)
S3 (NBZ)	= Nitrobenzene-d5	(34-114)
S4 (FBP)	= 2-Fluorobiphenyl	(43-116)
S5 (TBP)	= 2,4,6-Tribromophenol	(10-123)
S6 (TPH)	= Terphenyl-d14	(33-141)

Column to be used to flag recovery values

* Values outside of contract required QC limits

D Surrogate diluted out

WATER SEMIVOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: ECO Contract: N/A
 Lab Code: RTAL Case No.: N/A SAS No.: N/A SDG No.: SDG#1
 Matrix Spike - EPA Sample No.: SEMI06

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC #	QC LIMITS REC.
Phenol	200	0.0	76	38	12 - 110
2-Chlorophenol	200	0.0	110	55	27 - 123
1,4-Dichlorobenzene	100	34	84	50	36 - 97
N-Nitroso-di-n-propylamine	100	0.0	74	74	41 - 116
1,2,4-Trichlorobenzene	100	35	96	61	39 - 98
4-Chloro-3-methylphenol	200	0.0	150	75	23 - 97
Acenaphthene	100	0.0	68	68	46 - 118
2,4-Dinitrotoluene	100	59	150	88	24 - 96
4-Nitrophenol	200	0.0	80	40	10 - 80
Pentachlorophenol	200	0.0	140	70	9 - 103
Pyrene	100	0.0	69	69	26 - 127

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC #	% RPD #	QC LIMITS	
					RPD	REC.
Phenol	200	80	40	5	42	12 - 110
2-Chlorophenol	200	120	60	9	40	27 - 123
1,4-Dichlorobenzene	100	92	58	15	28	36 - 97
N-Nitroso-di-n-propylamine	100	72	72	3	38	41 - 116
1,2,4-Trichlorobenzene	100	100	65	6	28	39 - 98
4-Chloro-3-methylphenol	200	150	75	0	42	23 - 97
Acenaphthene	100	70	70	3	20	46 - 118
2,4-Dinitrotoluene	100	150	91	0	38	24 - 96
4-Nitrophenol	200	89	45	12	50	10 - 80
Pentachlorophenol	200	160	80	13	50	9 - 103
Pyrene	100	70	70	1	31	26 - 127

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 0 out of 11 outside limits

Spike Recovery: 0 out of 22 outside limits

COMMENTS:

5B
SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: ECO Contract: N/A
 Lab Code: RTAL Case No.: N/A SAS No.: N/A SDG No.: SDG#1
 Lab File ID: SV0087.D DFTPP Injection Date: 01/18/96
 Instrument ID: 5972-B DFTPP Injection Time: 09:46

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 80.0% of mass 198	42.6
68	Less than 2.0% of mass 69	0.0 (0.0)1
69	Mass 69 Relative abundance	56.8
70	Less than 2.0% of mass 69	0.1 (0.1)1
127	25.0 - 75.0% of mass 198	43.7
197	Less than 1.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100.0
199	5.0 to 9.0% of mass 198	7.0
275	10.0 - 30.0% of mass 198	19.4
365	Greater than 0.75% of mass 198	2.5
441	Present, but less than mass 443	8.7
442	40.0 - 110.0% of mass 198	56.6
443	15.0 - 24.0% of mass 442	10.9 (19.3)2

1-Value is % mass 69

2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	SSTD50	SSTD50	SV0088.D	01/18/96	10:08
02	SSTD20	SSTD20	SV0089.D	01/18/96	10:52
03	SSTD160	SSTD160	SV0090.D	01/18/96	11:37
04	SSTD80	SSTD80	SV0091.D	01/18/96	12:22
05	SSTD120	SSTD120	SV0092.D	01/18/96	13:07

5B

**SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)**

Lab Name: ECO Contract: N/A
 Lab Code: RTAL Case No.: N/A SAS No.: N/A SDG No.: SDG#1
 Lab File ID: SV0095.D DFTPP Injection Date: 01/19/96
 Instrument ID: 5972-B DFTPP Injection Time: 09:46

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 80.0% of mass 198	43.0
68	Less than 2.0% of mass 69	0.1 (0.2)1
69	Mass 69 Relative abundance	57.2
70	Less than 2.0% of mass 69	0.1 (0.1)1
127	25.0 - 75.0% of mass 198	44.5
197	Less than 1.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100.0
199	5.0 to 9.0% of mass 198	7.0
275	10.0 - 30.0% of mass 198	19.4
365	Greater than 0.75% of mass 198	2.4
441	Present, but less than mass 443	8.5
442	40.0 - 110.0% of mass 198	53.9
443	15.0 - 24.0% of mass 442	10.3 (19.1)2

1-Value is % mass 69

2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	SSTD50	SSTD50	SV0096.D	01/19/96	10:11
02	SBLK01	SBLK01	SV0097.D	01/19/96	11:44
03	SEMI01	ECO-003-01A	SV0098.D	01/19/96	12:26
04	SEMI02	ECO-003-02A	SV0099.D	01/19/96	13:12
05	SEMI03	ECO-003-03A	SV0100.D	01/19/96	13:54
06	SEMI04	ECO-003-04A	SV0101.D	01/19/96	14:34
07	SEMI05	ECO-003-05A	SV0102.D	01/19/96	15:18
08	SEMI06	ECO-003-06A	SV0103.D	01/19/96	16:06

5B
SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: ECO Contract: N/A
 Lab Code: RTAL Case No.: N/A SAS No.: N/A SDG No.: SDG#1
 Lab File ID: SV0107.D DFTPP Injection Date: 01/20/96
 Instrument ID: 5972-B DFTPP Injection Time: 08:34

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 80.0% of mass 198	42.5
68	Less than 2.0% of mass 69	0.0 (0.0)1
69	Mass 69 Relative abundance	57.2
70	Less than 2.0% of mass 69	0.1 (0.2)1
127	25.0 - 75.0% of mass 198	42.1
197	Less than 1.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100.0
199	5.0 to 9.0% of mass 198	6.6
275	10.0 - 30.0% of mass 198	18.5
365	Greater than 0.75% of mass 198	2.3
441	Present, but less than mass 443	8.4
442	40.0 - 110.0% of mass 198	51.5
443	15.0 - 24.0% of mass 442	10.1 (19.6)2

1-Value is % mass 69

2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	SSTD50	SSTD50	SV0108.D	01/20/96	08:55
02	SEMI06MS	ECO-003-06AMS	SV0109.D	01/20/96	09:48
03	SEMI06MSD	ECO-003-06AMSD	SV0110.D	01/20/96	10:29
04	LCSA	LCSA	SV0111.D	01/20/96	11:13

5B
SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: ECO Contract: N/A
 Lab Code: RTAL Case No.: N/A SAS No.: N/A SDG No.: SDG#1
 Lab File ID: SV0116.D DFTPP Injection Date: 01/22/96
 Instrument ID: 5972-B DFTPP Injection Time: 07:14

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 80.0% of mass 198	44.2
68	Less than 2.0% of mass 69	0.0 (0.0)1
69	Mass 69 Relative abundance	58.1
70	Less than 2.0% of mass 69	0.1 (0.1)1
127	25.0 - 75.0% of mass 198	43.1
197	Less than 1.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100.0
199	5.0 to 9.0% of mass 198	7.1
275	10.0 - 30.0% of mass 198	20.0
365	Greater than 0.75% of mass 198	2.5
441	Present, but less than mass 443	9.2
442	40.0 - 110.0% of mass 198	57.8
443	15.0 - 24.0% of mass 442	11.0 (19.1)2

1-Value is % mass 69

2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	SSTD50	SSTD50	SV0117.D	01/22/96	07:39
02	SEMI07	ECO-003-07A	SV0118.D	01/22/96	08:40
03	SBLK02	SBLK02	SV0119.D	01/22/96	09:41

8B
SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: ECO Contract: N/A
 Lab Code: RTAL Case No.: N/A SAS No.: N/A SDG No.: SDG#1
 Lab File ID (Standard): SV0096.D Date Analyzed: 01/19/96
 Instrument ID: 5972-B Time Analyzed: 10:11

	IS1(DCB)		IS2(NPT)		IS3(ANT)	
	AREA #	RT #	AREA #	RT #	AREA #	RT #
12 HOUR STD	220363	5.61	708621	7.04	377775	9.80
UPPER LIMIT	440726	5.11	1417242	6.54	755550	9.30
LOWER LIMIT	110182	6.11	354311	7.54	188888	10.30
EPA SAMPLE NO.						
01 SBLK01	192835	5.61	584167	7.04	290117	9.78
02 SEMI01	245147	5.61	760946	7.03	386264	9.79
03 SEMI02	201630	5.60	641335	7.03	339596	9.79
04 SEMI03	196898	5.61	618395	7.03	320579	9.79
05 SEMI04	169357	5.61	576235	7.02	311380	9.78
06 SEMI05	217664	5.60	678531	7.03	346360	9.78
07 SEMI06	185229	5.61	617084	7.02	344511	9.78

IS1 (DCB) = 1,4-Dichlorobenzene-d4
 IS2 (NPT) = Naphthalene-d8
 IS3 (ANT) = Acenaphthene-d10
 IS4 (PHN) = Phenanthrene-d10
 IS5 (CRY) = Chrysene-d12
 IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area
 AREA LOWER LIMIT = - 50% of internal standard area
 RT UPPER LIMIT = +0.50 minutes of internal standard RT
 RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column to be used to flag values outside QC limit with an asterisk.

* Values outside of contract required QC limits

8C
SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: ECO Contract: N/A
 Lab Code: RTAL Case No.: N/A SAS No.: N/A SDG No.: SDG#1
 Lab File ID (Standard): SV0096.D Date Analyzed: 01/19/96
 Instrument ID: 5972-B Time Analyzed: 10:11

	IS4(PHN)		IS5(CRY)		IS6(PRY)	
	AREA #	RT #	AREA #	RT #	AREA #	RT #
12 HOUR STD	482176	12.56	392811	17.86	469579	20.95
UPPER LIMIT	964352	12.06	785622	17.36	939158	20.45
LOWER LIMIT	241088	13.06	196406	18.36	234790	21.45
EPA SAMPLE NO.						
01 SBLK01	379977	12.55	302171	17.86	298980	20.94
02 SEMI01	491297	12.56	372911	17.86	378436	20.95
03 SEMI02	429853	12.55	358374	17.86	382698	20.93
04 SEMI03	408948	12.56	319957	17.86	317780	20.93
05 SEMI04	408484	12.54	312255	17.85	309434	20.92
06 SEMI05	431663	12.54	325106	17.85	339071	20.92
07 SEMI06	456237	12.54	353634	17.85	364549	20.92

IS1 (DCB) = 1,4-Dichlorobenzene-d4
 IS2 (NPT) = Naphthalene-d8
 IS3 (ANT) = Acenaphthene-d10
 IS4 (PHN) = Phenanthrene-d10
 IS5 (CRY) = Chrysene-d12
 IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area
 AREA LOWER LIMIT = - 50% of internal standard area
 RT UPPER LIMIT = +0.50 minutes of internal standard RT
 RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column to be used to flag values outside QC limit with an asterisk.

* Values outside of contract required QC limits

8B
SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: ECO Contract: N/A
 Lab Code: RTAL Case No.: N/A SAS No.: N/A SDG No.: SDG#1
 Lab File ID (Standard): SV0108.D Date Analyzed: 01/20/96
 Instrument ID: 5972-B Time Analyzed: 08:55

	IS1(DCB)		IS2(NPT)		IS3(ANT)	
	AREA #	RT #	AREA #	RT #	AREA #	RT #
12 HOUR STD	175088	5.59	577736	7.02	304700	9.77
UPPER LIMIT	350176	5.09	1155472	6.52	609400	9.27
LOWER LIMIT	87544	6.09	288868	7.52	152350	10.27
EPA SAMPLE NO.						
01 SEMI06MS	180780	5.58	607821	7.01	326422	9.76
02 SEMI06MSD	166770	5.58	560677	7.01	301184	9.76
03 LCSA	183323	5.59	620412	7.01	334546	9.77

IS1 (DCB) = 1,4-Dichlorobenzene-d4
 IS2 (NPT) = Naphthalene-d8
 IS3 (ANT) = Acenaphthene-d10
 IS4 (PHN) = Phenanthrene-d10
 IS5 (CRY) = Chrysene-d12
 IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area
 AREA LOWER LIMIT = - 50% of internal standard area
 RT UPPER LIMIT = +0.50 minutes of internal standard RT
 RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column to be used to flag values outside QC limit with an asterisk.
 • Values outside of contract required QC limits

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: ECO Contract: N/A
 Lab Code: RTAL Case No.: N/A SAS No.: N/A SDG No.: SDG#1
 Lab File ID (Standard): SV0108.D Date Analyzed: 01/20/96
 Instrument ID: 5972-B Time Analyzed: 08:55

	IS4(PHN)		IS5(CRY)		IS6(PRY)	
	AREA #	RT #	AREA #	RT #	AREA #	RT #
12 HOUR STD	385768	12.53	295079	17.84	304245	20.90
UPPER LIMIT	771536	12.03	590158	17.34	608490	20.40
LOWER LIMIT	192884	13.03	147540	18.34	152123	21.40
EPA SAMPLE NO.						
01 SEMI06MS	413648	12.52	322415	17.84	277273	20.90
02 SEMI06MSD	384066	12.52	301757	17.83	308077	20.90
03 LCSEA	425098	12.53	338900	17.84	381561	20.90

IS1 (DCB) = 1,4-Dichlorobenzene-d4
 IS2 (NPT) = Naphthalene-d8
 IS3 (ANT) = Acenaphthene-d10
 IS4 (PHN) = Phenanthrene-d10
 IS5 (CRY) = Chrysene-d12
 IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area
 AREA LOWER LIMIT = - 50% of internal standard area
 RT UPPER LIMIT = +0.50 minutes of internal standard RT
 RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column to be used to flag values outside QC limit with an asterisk.

* Values outside of contract required QC limits

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: ECO Contract: N/A
 Lab Code: RTAL Case No.: N/A SAS No.: N/A SDG No.: SDG#1
 Lab File ID (Standard): SV0117.D Date Analyzed: 01/22/96
 Instrument ID: 5972-B Time Analyzed: 07:39

	IS1(DCB) AREA #	RT #	IS2(NPT) AREA #	RT #	IS3(ANT) AREA #	RT #
12 HOUR STD	250988	5.59	792300	7.02	416798	9.77
UPPER LIMIT	501976	5.09	1584600	6.52	833596	9.27
LOWER LIMIT	125494	6.09	396150	7.52	208399	10.27
EPA SAMPLE NO.						
01 SEMI07	365582	5.60	1189426	7.02	642713	9.77
02 SBLK02	363510	5.60	1158133	7.02	620955	9.77

IS1 (DCB) = 1,4-Dichlorobenzene-d4
 IS2 (NPT) = Naphthalene-d8
 IS3 (ANT) = Acenaphthene-d10
 IS4 (PHN) = Phenanthrene-d10
 IS5 (CRY) = Chrysene-d12
 IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area
 AREA LOWER LIMIT = - 50% of internal standard area
 RT UPPER LIMIT = +0.50 minutes of internal standard RT
 RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column to be used to flag values outside QC limit with an asterisk.

* Values outside of contract required QC limits

8C
SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: ECO Contract: N/A
 Lab Code: RTAL Case No.: N/A SAS No.: N/A SDG No.: SDG#1
 Lab File ID (Standard): SV0117.D Date Analyzed: 01/22/96
 Instrument ID: 5972-B Time Analyzed: 07:39

	IS4(PHN) AREA #	RT #	IS5(CRY) AREA #	RT #	IS6(PRY) AREA #	RT #
12 HOUR STD	531771	12.53	430699	17.85	510463	20.91
UPPER LIMIT	1063542	12.03	861398	17.35	1020926	20.41
LOWER LIMIT	265886	13.03	215350	18.35	255232	21.41
EPA SAMPLE NO.						
01 SEMI07	816555	12.53	626967	17.84	636684	20.91
02 SBLK02	839900	12.53	637913	17.84	625465	20.91

IS1 (DCB) = 1,4-Dichlorobenzene-d4
 IS2 (NPT) = Naphthalene-d8
 IS3 (ANT) = Acenaphthene-d10
 IS4 (PHN) = Phenanthrene-d10
 IS5 (CRY) = Chrysene-d12
 IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area
 AREA LOWER LIMIT = - 50% of internal standard area
 RT UPPER LIMIT = +0.50 minutes of internal standard RT
 RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column to be used to flag values outside QC limit with an asterisk.

* Values outside of contract required QC limits

Quantitation Report

Data File : C:\HPCHEM\1\DATA\JAN1995\SV0098.D
 Acq On : 19 Jan 96 12:26 pm
 Sample : ECO-003-01A
 Misc : SEMI TEST WATER 01, 1L
 Quant Time: Jan 22 8:52 1996

Vial: 2
 Operator:
 Inst : 5972 - 35
 Multiplr: 2.00

Method : C:\HPCHEM\1\METHODS\MEBNA.M
 Title : Method 8270
 Last Update : Mon Jan 22 08:23:02 1996
 Response via : Multiple Level Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev (Min)
1) 1,4-Dichlorobenzene-d4	5.61	152	245147	40.00	ug/L	0.00
20) Naphthalene-d8	7.03	136	760946	40.00	ug/L	0.00
40) Acenaphthene-d10	9.79	164	386264	40.00	ug/L	0.00
67) Phenanthrene-d10	12.56	188	491297	40.00	ug/L	0.00
82) Chrysene-d12	17.86	240	372911	40.00	ug/L	0.00
92) Perylene-d12	20.95	264	378436	40.00	ug/L	0.00

System Monitoring Compounds						%Recovery
5) 2-Fluorophenol	4.48	112	359953	72.62	ug/L	36.31%
7) Phenol-d5	5.26	99	410387	72.72	ug/L	36.36%
22) Nitrobenzene-d5	6.20	82	281091	73.52	ug/L	73.52%
44) 2-Fluorobiphenyl	8.63	172	484791	77.04	ug/L	77.04%
66) 2,4,6-Tribromophenol	11.26	330	102141	145.73	ug/L	72.87%
85) Terphenyl-d14	15.78	244	338682	70.77	ug/L	70.77%

Target Compounds						Qvalue
10) 1,3-Dichlorobenzene	5.57	146	178562	38.24	ug/L	97
11) 1,4-Dichlorobenzene	5.62	146	191552	40.95	ug/L	98
12) 1,2-Dichlorobenzene	5.81	146	197855	44.61	ug/L	97
18) Hexachloroethane	6.13	117	56181	28.54	ug/L	81
23) Nitrobenzene	6.21	77	279244	70.04	ug/L	98
25) Isophorone	6.46	82	606001	81.93	ug/L	98
32) 1,2,4-Trichlorobenzene	6.97	180	134470	44.34	ug/L	97
35) Hexachlorobutadiene	7.28	225	28142	20.38	ug/L	100
41) Hexachlorocyclopentadiene	8.38	237	34718	84.65	ug/L	98
45) 2-Chloronaphthalene	8.81	162	323648	57.39	ug/L	98
50) 2,6-Dinitrotoluene	9.50	165	107718	71.26	ug/L	97
56) 2,4-Dinitrotoluene	10.20	165	135382	66.23	ug/L	89
73) Hexachlorobenzene	11.97	284	65159	47.02	ug/L	94

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

SV0098.D MEBNA.M

Mon Jan 22 11:37:52 1996

HP LASERJET 4 PBMgeON LF

Quantitation Report

Data File : C:\HPCHEM\1\DATA\JAN1995\SV0098.D
 Acq On : 19 Jan 96 12:26 pm
 Sample : ECO-003-01A
 Misc : SEMI TEST WATER 01, 1L
 Quant Time: Jan 22 8:52 1996

Vial: 2
 Operator:
 Inst : 5972 - 35
 Multiplr: 2.00

Method : C:\HPCHEM\1\METHODS\MEBNA.M
 Title : Method 8270
 Last Update : Mon Jan 22 08:23:02 1996
 Response via : Multiple Level Calibration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\JAN1995\SV0098.D
 Acq On : 19 Jan 96 12:26 pm
 Sample : ECO-003-01A
 Misc : SEMI TEST WATER 01, 1L
 Quant Time: Jan 22 8:52 1996

Vial: 2
 Operator:
 Inst : 5972 - 35
 Multiplr: 2.00

Method : C:\HPCHEM\1\METHODS\MEBNA.M
 Title : Method 8270
 Last Update : Mon Jan 22 08:23:02 1996
 Response via : Multiple Level Calibration

#10
1,3-Dichlorobenzene
Concen: 38.24 ug/L
RT: 5.57 min Scan# 264
Delta R.T. -0.00 min
Lab File: SV0098.D
Acq: 19 Jan 96 12:26 pm

Tgt Ion:	146	Resp:	178562
Ion Ratio	Lower	Upper	
146	100		
148	62.4	44.4	84.4
113	14.4	0.0	33.1
0	0.0	0.0	0.0

#11
1,4-Dichlorobenzene
Concen: 40.95 ug/L
RT: 5.62 min Scan# 268
Delta R.T. -0.00 min
Lab File: SV0098.D
Acq: 19 Jan 96 12:26 pm

Tgt Ion:	146	Resp:	191552
Ion Ratio	Lower	Upper	
146	100		
148	63.9	44.4	84.4
113	15.3	0.0	32.7
0	0.0	0.0	0.0

#12
1,2-Dichlorobenzene
Concen: 44.61 ug/L
RT: 5.81 min Scan# 284
Delta R.T. -0.00 min
Lab File: SV0098.D
Acq: 19 Jan 96 12:26 pm

Tgt. Ion:	146	Resp:	197855
Ion	Ratio	Lower	Upper
146	100		
148	61.8	44.0	84.0
113	15.0	0.0	33.4
0	0.0	0.0	0.0

#18
Hexachloroethane
Concen: 28.54 ug/L
RT: 6.13 min Scan# 311
Delta R.T. -0.00 min
Lab File: SV0098.D
Acq: 19 Jan 96 12:26 pm

Tgt Ion:	117	Resp:	56181
Ion	Ratio	Lower	Upper
117	100		
201	56.1	52.7	92.7
199	33.7	25.7	65.7
0	0.0	0.0	0.0

#23
Nitrobenzene
Concen: 70.04 ug/L
RT: 6.21 min Scan# 318
Delta R.T. -0.00 min
Lab File: SV0098.D
Acq: 19 Jan 96 12:26 pm

Tgt Ion:77 Resp: 279244
Ion Ratio Lower Upper
77 100
123 50.8 29.2 69.2
65 13.7 0.0 34.6
0 0.0 0.0 0.0

#25
Isophorone
Concen: 81.93 ug/L
RT: 6.46 min Scan# 339
Delta R.T. -0.00 min
Lab File: SV0098.D
Acq: 19 Jan 96 12:26 pm

Tgt Ion:82 Resp: 606001
Ion Ratio Lower Upper
82 100
138 16.1 0.0 35.3
0 0.0 0.0 0.0
0 0.0 0.0 0.0

#32
1,2,4-Trichlorobenzene
Concen: 44.34 ug/L
RT: 6.97 min Scan# 382
Delta R.T. -0.00 min
Lab File: SV0098.D
Acq: 19 Jan 96 12:26 pm

Tgt Ion	Ratio	Lower	Upper
180	100		
182	97.2	73.5	113.5
145	31.6	12.0	52.0
0	0.0	0.0	0.0

AbundanceIon 180.00 (179
Ion 182.00 (181
Ion 145.00 (144

#35
Hexachlorobutadiene
Concen: 20.38 ug/L
RT: 7.28 min Scan# 408
Delta R.T. -0.00 min
Lab File: SV0098.D
Acq: 19 Jan 96 12:26 pm

Tgt Ion	Ratio	Lower	Upper
225	100		
223	65.4	45.3	85.3
227	62.9	43.0	83.0
0	0.0	0.0	0.0

AbundanceIon 225.00 (224
Ion 223.00 (222
Ion 227.00 (226

#41
Hexachlorocyclopentadiene
Concen: 84.65 ug/L
RT: 8.38 min Scan# 500
Delta R.T. -0.00 min
Lab File: SV0098.D
Acq: 19 Jan 96 12:26 pm

Tgt Ion:	237	Resp:	34718
Ion	Ratio	Lower	Upper
237	100		
235	64.1	42.1	82.1
272	13.3	0.0	33.5
0	0.0	0.0	0.0

AbundanceIon 237.00 (236)
Ion 235.00 (234)
Ion 272.00 (271)

#45
2-Chloronaphthalene
Concen: 57.39 ug/L
RT: 8.81 min Scan# 536
Delta R.T. -0.00 min
Lab File: SV0098.D
Acq: 19 Jan 96 12:26 pm

Tgt Ion:	162	Resp:	323648
Ion	Ratio	Lower	Upper
162	100		
164	31.7	12.7	52.7
127	37.5	16.4	56.4
0	0.0	0.0	0.0

AbundanceIon 162.00 (161)
Ion 164.00 (163)
Ion 127.00 (126)

#50
2,6-Dinitrotoluene
Concen: 71.26 ug/L
RT: 9.50 min Scan# 594
Delta R.T. -0.00 min
Lab File: SV0098.D
Acq: 19 Jan 96 12:26 pm

Tgt Ion:165	Resp:	107718
Ion Ratio	Lower	Upper
165	100	
89	45.1	26.3 66.3
121	20.8	0.0 38.7
0	0.0	0.0 0.0

#56
2,4-Dinitrotoluene
Concen: 66.23 ug/L
RT: 10.20 min Scan# 653
Delta R.T. -0.00 min
Lab File: SV0098.D
Acq: 19 Jan 96 12:26 pm

Tgt Ion:165	Resp:	135382
Ion Ratio	Lower	Upper
165	100	
63	34.6	22.2 62.2
182	4.4	0.0 25.1
0	0.0	0.0 0.0

AbundanceScan 805 (12.006 min): SV0090.D (-

#73

Hexachlorobenzene

Concen: 47.02 ug/L

RT: 11.97 min Scan# 802

Delta R.T. -0.00 min

Lab File: SV0098.D

Acq: 19 Jan 96 12:26 pm

Tgt Ion:284 Resp: 65159

Ion Ratio Lower Upper

284 100

142 55.4 29.9 69.9

249 28.2 8.9 48.9

0 0.0 0.0 0.0

AbundanceScan 802 (11.973 min): SV0098.D (*)

AbundanceIon 284.00 (283

Ion 142.00 (141

Ion 249.00 (248

AbundanceScan 802 (11.973 min): SV0098.D (-

Time-->11.87 12.04

Quantitation Report

Data File : C:\HPCHEM\1\DATA\JAN1995\SV0099.D
 Acq On : 19 Jan 96 1:12 pm
 Sample : ECO-003-02A
 Misc : SEMI TEST WATER 02, 1L
 Quant Time: Jan 19 13:51 1996

Vial: 3
 Operator:
 Inst : 5972 - 35
 Multiplr: 2.00

Method : C:\HPCHEM\1\METHODS\MEBNA.M
 Title : Method 8270
 Last Update : Mon Jan 22 08:23:02 1996
 Response via : Multiple Level Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev (Min)
1) 1,4-Dichlorobenzene-d4	5.60	152	201630	40.00	ug/L	0.00
20) Naphthalene-d8	7.03	136	641335	40.00	ug/L	0.00
40) Acenaphthene-d10	9.79	164	339596	40.00	ug/L	0.00
67) Phenanthrene-d10	12.55	188	429853	40.00	ug/L	0.00
82) Chrysene-d12	17.86	240	358374	40.00	ug/L	0.00
92) Perylene-d12	20.93	264	382698	40.00	ug/L	-0.02
System Monitoring Compounds				%Recovery		
5) 2-Fluorophenol	4.48	112	301094	73.86	ug/L	36.93%
7) Phenol-d5	5.27	99	334827	72.14	ug/L	36.07%
22) Nitrobenzene-d5	6.19	82	225347	69.93	ug/L	69.93%
44) 2-Fluorobiphenyl	8.63	172	399604	72.23	ug/L	72.23%
66) 2,4,6-Tribromophenol	11.26	330	89302	144.92	ug/L	72.46%
85) Terphenyl-d14	15.78	244	326983	71.10	ug/L	71.10%
Target Compounds				Qvalue		
33) Naphthalene	7.05	128	220817	25.31	ug/L	99
48) Acenaphthylene	9.52	152	211943	40.67	ug/L	100
51) Acenaphthene	9.84	153	124512	25.97	ug/L	97
60) Fluorene	10.77	166	120242	23.86	ug/L	97
77) Phenanthrene	12.59	178	122691	18.47	ug/L	97
78) Anthracene	12.68	178	86908	12.92	ug/L	97
81) Fluoranthene	14.96	202	81360	12.89	ug/L	90
84) Pyrene	15.41	202	84579	11.27	ug/L	93
89) Benzo[a]anthracene	17.82	228	55699	8.90	ug/L	96
90) Chrysene	17.91	228	59345	9.56	ug/L	99
94) Benzo[b]fluoranthene	20.01	252	54108	7.44	ug/L	98
95) Benzo[k]fluoranthene	20.07	252	57717	8.76	ug/L	93
97) Benzo[a]pyrene	20.79	252	48965	7.27	ug/L	94
100) Indeno[1,2,3-cd]pyrene	24.24	276	69477	10.86	ug/L	92
101) Dibenz[a,h]anthracene	24.33	278	54652	8.94	ug/L	99
102) Benzo[g,h,i]perylene	25.21	276	64470	10.01	ug/L	95

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

Quantitation Report

Data File : C:\HPCHEM\1\DATA\JAN1995\SV0099.D
 Acq On : 19 Jan 96 1:12 pm
 Sample : ECO-003-02A
 Misc : SEMI TEST WATER 02, 1L
 Quant Time: Jan 19 13:51 1996

Vial: 3
 Operator:
 Inst : 5972 - 35
 Multiplr: 2.00

Method : C:\HPCHEM\1\METHODS\MEBNA.M
 Title : Method 8270
 Last Update : Mon Jan 22 08:23:02 1996
 Response via : Multiple Level Calibration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\JAN1995\SV0099.D
 Acq On : 19 Jan 96 1:12 pm
 Sample : ECO-003-02A
 Misc : SEMI TEST WATER 02, 1L
 Quant Time: Jan 19 13:51 1996

Vial: 3
 Operator:
 Inst : 5972 - 35
 Multiplr: 2.00

Method : C:\HPCHEM\1\METHODS\MEBNA.M
 Title : Method 8270
 Last Update : Mon Jan 22 08:23:02 1996
 Response via : Multiple Level Calibration

#33

Naphthalene

Concen: 25.31 ug/L

RT: 7.05 min Scan# 389

Delta R.T. -0.00 min

Lab File: SV0099.D

Acq: 19 Jan 96 1:12 pm

Tgt Ion:	128	Resp:	220817
Ion Ratio	Lower	Upper	
128	100		
129	11.0	0.0	30.8
127	13.0	0.0	33.7
0	0.0	0.0	0.0

#48

Acenaphthylene

Concen: 40.67 ug/L

RT: 9.52 min Scan# 596

Delta R.T. -0.00 min

Lab File: SV0099.D

Acq: 19 Jan 96 1:12 pm

Tgt Ion:	152	Resp:	211943
Ion Ratio	Lower	Upper	
152	100		
151	19.8	0.0	39.8
153	12.8	0.0	33.1
0	0.0	0.0	0.0

#51
Acenaphthene
Concen: 25.97 ug/L
RT: 9.84 min Scan# 623
Delta R.T. -0.02 min
Lab File: SV0099.D
Acq: 19 Jan 96 1:12 pm

Tgt Ion:153 Resp: 124512
Ion Ratio Lower Upper
153 100
152 48.4 27.7 67.7
154 98.2 74.8 114.8
0 0.0 0.0 0.0

#60
Fluorene
Concen: 23.86 ug/L
RT: 10.77 min Scan# 701
Delta R.T. -0.00 min
Lab File: SV0099.D
Acq: 19 Jan 96 1:12 pm

Tgt Ion:166 Resp: 120242
Ion Ratio Lower Upper
166 100
165 89.5 72.6 112.6
167 12.4 0.0 34.2
0 0.0 0.0 0.0

#77
Phenanthrene
Concen: 18.47 ug/L
RT: 12.59 min Scan# 854
Delta R.T. -0.02 min
Lab File: SV0099.D
Acq: 19 Jan 96 1:12 pm

Tgt Ion:178	Resp:	122691
Ion Ratio	Lower	Upper
178	100	
179	16.9	0.0 35.4
176	20.0	0.0 38.8
0	0.0	0.0 0.0

#78
Anthracene
Concen: 12.92 ug/L
RT: 12.68 min Scan# 862
Delta R.T. -0.00 min
Lab File: SV0099.D
Acq: 19 Jan 96 1:12 pm

Tgt Ion:178	Resp:	86908
Ion Ratio	Lower	Upper
178	100	
179	15.8	0.0 35.2
176	16.5	0.0 38.3
0	0.0	0.0 0.0

AbundanceScan 1057 (15.004 min): SV0090.D (

#81

Fluoranthene

Concen: 12.89 ug/L

RT: 14.96 min Scan# 1053

Delta R.T. -0.02 min

Lab File: SV0099.D

Acq: 19 Jan 96 1:12 pm

Tgt Ion:	202	Resp:	81360
Ion Ratio	Lower	Upper	
202	100		
101	27.1	2.3	42.3
0	0.0	0.0	0.0
0	0.0	0.0	0.0

AbundanceScan 1053 (14.957 min): SV0099.D (

AbundanceIon 202.00 (201

Ion 101.00 (100

14.96

AbundanceScan 1053 (14.957 min): SV0099.D (

AbundanceScan 1094 (15.445 min): SV0090.D (

#84

Pyrene

Concen: 11.27 ug/L

RT: 15.41 min Scan# 1091

Delta R.T. -0.00 min

Lab File: SV0099.D

Acq: 19 Jan 96 1:12 pm

Tgt Ion:	202	Resp:	84579
Ion Ratio	Lower	Upper	
202	100		
101	22.0	7.1	47.1
100	19.7	1.8	41.8
0	0.0	0.0	0.0

AbundanceScan 1091 (15.409 min): SV0099.D (

AbundanceIon 202.00 (201

Ion 101.00 (100

Ion 100.00 (99.

15.41

AbundanceScan 1091 (15.409 min): SV0099.D (

#89
Benzo[a]anthracene
Concen: 8.90 ug/L
RT: 17.82 min Scan# 1294
Delta R.T. -0.02 min
Lab File: SV0099.D
Acq: 19 Jan 96 1:12 pm

Tgt Ion:	228	Resp:	55699
Ion Ratio	Lower	Upper	
228	100		
229	21.7	0.0	39.5
226	24.9	6.5	46.5
0	0.0	0.0	0.0

#90
Chrysene
Concen: 9.56 ug/L
RT: 17.91 min Scan# 1301
Delta R.T. -0.02 min
Lab File: SV0099.D
Acq: 19 Jan 96 1:12 pm

Tgt Ion:	228	Resp:	59345
Ion Ratio	Lower	Upper	
228	100		
226	29.2	8.7	48.7
229	18.6	0.0	39.1
0	0.0	0.0	0.0

AbundanceScan 1484 (20.086 min): SV0090.D (

#94

Benzo[b]fluoranthene

Concen: 7.44 ug/L

RT: 20.01 min Scan# 1478

Delta R.T. -0.02 min

Lab File: SV0099.D

Acq: 19 Jan 96 1:12 pm

Tgt Ion:252 Resp: 54108

Ion Ratio Lower Upper

252 100

253 20.7 2.9 42.9

125 22.3 2.4 42.4

0 0.0 0.0 0.0

AbundanceScan 1478 (20.014 min): SV0099.D (

AbundanceIon 252.00 (251

Ion 253.00 (252

Ion 125.00 (124

30000 20.01

20000

10000

0

Time-->19.91 20.05

AbundanceScan 1478 (20.014 min): SV0099.D (

AbundanceScan 1490 (20.157 min): SV0090.D (

#95

Benzo[k]fluoranthene

Concen: 8.76 ug/L

RT: 20.07 min Scan# 1483

Delta R.T. -0.02 min

Lab File: SV0099.D

Acq: 19 Jan 96 1:12 pm

Tgt Ion:252 Resp: 57717

Ion Ratio Lower Upper

252 100

253 20.4 4.0 44.0

125 19.3 2.4 42.4

0 0.0 0.0 0.0

AbundanceScan 1483 (20.074 min): SV0099.D (

AbundanceIon 252.00 (251

Ion 253.00 (252

Ion 125.00 (124

30000 20.07

20000

10000

0

Time-->19.98 20.18

AbundanceScan 1483 (20.074 min): SV0099.D (

#97
Benzo[a]pyrene
Concen: 7.27 ug/L
RT: 20.79 min Scan# 1543
Delta R.T. -0.02 min
Lab File: SV0099.D
Acq: 19 Jan 96 1:12 pm

Tgt Ion:	252	Resp:	48965
Ion Ratio	Lower	Upper	
252	100		
253	25.3	2.4	42.4
125	27.2	4.0	44.0
0	0.0	0.0	0.0

#100
Indeno[1,2,3-cd]pyrene
Concen: 10.86 ug/L
RT: 24.24 min Scan# 1833
Delta R.T. -0.05 min
Lab File: SV0099.D
Acq: 19 Jan 96 1:12 pm

Tgt Ion:	276	Resp:	69477
Ion Ratio	Lower	Upper	
276	100		
138	48.8	23.9	63.9
0	0.0	0.0	0.0
0	0.0	0.0	0.0

#101
Dibenz[a,h]anthracene
Concen: 8.94 ug/L
RT: 24.33 min Scan# 1841
Delta R.T. -0.04 min
Lab File: SV0099.D
Acq: 19 Jan 96 1:12 pm

Tgt	Ion:278	Resp:	54652
Ion	Ratio	Lower	Upper
278	100		
139	34.2	14.7	54.7
279	22.9	3.6	43.6
0	0.0	0.0	0.0

#102
Benzo[g,h,i]perylene
Concen: 10.01 ug/L
RT: 25.21 min Scan# 1915
Delta R.T. -0.05 min
Lab File: SV0099.D
Acq: 19 Jan 96 1:12 pm

Tgt	Ion:276	Resp:	64470
Ion	Ratio	Lower	Upper
276	100		
138	41.0	26.1	66.1
277	23.5	3.0	43.0
0	0.0	0.0	0.0

Quantitation Report

Data File : C:\HPCHEM\1\DATA\JAN1995\SV0100.D
 Acq On : 19 Jan 96 1:54 pm
 Sample : ECO-003-03A
 Misc : SEMI TEST WATER 03, 1L
 Quant Time: Jan 22 8:51 1996

Vial: 4
 Operator:
 Inst : 5972 - 35
 Multiplr: 2.00

Method : C:\HPCHEM\1\METHODS\MEBNA.M
 Title : Method 8270
 Last Update : Mon Jan 22 08:23:02 1996
 Response via : Multiple Level Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.61	152	196898	40.00	ug/L	0.00
20) Naphthalene-d8	7.03	136	618395	40.00	ug/L	0.00
40) Acenaphthene-d10	9.79	164	320579	40.00	ug/L	0.00
67) Phenanthrene-d10	12.56	188	408948	40.00	ug/L	0.00
82) Chrysene-d12	17.86	240	319957	40.00	ug/L	0.00
92) Perylene-d12	20.93	264	317780	40.00	ug/L	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	%Recovery
5) 2-Fluorophenol	4.49	112	285179	71.64	ug/L	35.82%
7) Phenol-d5	5.27	99	320643	70.74	ug/L	35.37%
22) Nitrobenzene-d5	6.19	82	212486	68.39	ug/L	68.39%
44) 2-Fluorobiphenyl	8.63	172	361116	69.15	ug/L	69.15%
66) 2,4,6-Tribromophenol	11.25	330	79650	136.93	ug/L	68.46%
85) Terphenyl-d14	15.78	244	285649	69.57	ug/L	69.57%

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) 1,3-Dichlorobenzene	5.58	146	152673	40.70	ug/L	99
11) 1,4-Dichlorobenzene	5.63	146	153514	40.86	ug/L	97
12) 1,2-Dichlorobenzene	5.81	146	162693	45.67	ug/L	99
18) Hexachloroethane	6.13	117	52598	33.27	ug/L #	76
23) Nitrobenzene	6.21	77	219266	67.67	ug/L	97
25) Isophorone	6.46	82	489236	81.39	ug/L	99
32) 1,2,4-Trichlorobenzene	6.97	180	108958	44.21	ug/L	99
35) Hexachlorobutadiene	7.28	225	26794	23.88	ug/L	98
41) Hexachlorocyclopentadiene	8.38	237	31373	92.16	ug/L	98
45) 2-Chloronaphthalene	8.80	162	258865	55.31	ug/L	95
50) 2,6-Dinitrotoluene	9.49	165	84141	67.07	ug/L	89
56) 2,4-Dinitrotoluene	10.19	165	105241	62.04	ug/L	99
73) Hexachlorobenzene	11.97	284	50730	43.98	ug/L	97

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

SV0100.D MEBNA.M Mon Jan 22 11:42:12 1996 HP LASERJET 4 PBMgeON LF

Quantitation Report

Data File : C:\HPCHEM\1\DATA\JAN1995\SV0100.D
 Acq On : 19 Jan 96 1:54 pm
 Sample : ECO-003-03A
 Misc : SEMI TEST WATER 03, 1L
 Quant Time: Jan 22 8:51 1996

Vial: 4
 Operator:
 Inst : 5972 - 35
 Multiplr: 2.00

Method : C:\HPCHEM\1\METHODS\MEBNA.M
 Title : Method 8270
 Last Update : Mon Jan 22 08:23:02 1996
 Response via : Multiple Level Calibration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\JAN1995\SV0100.D
Acq On : 19 Jan 96 1:54 pm
Sample : ECO-003-03A
Misc : SEMI TEST WATER 03, 1L
Quant Time: Jan 22 8:51 1996

Vial: 4
Operator:
Inst : 5972 - 35
Multiplr: 2.00

Method : C:\HPCHEM\1\METHODS\MEBNA.M
Title : Method 8270
Last Update : Mon Jan 22 08:23:02 1996
Response via : Multiple Level Calibration

#10
1,3-Dichlorobenzene
Concen: 40.70 ug/L
RT: 5.58 min Scan# 265
Delta R.T. 0.01 min
Lab File: SV0100.D
Acq: 19 Jan 96 1:54 pm

Tgt Ion	Ratio	Lower	Upper
146	100		
148	63.4	44.4	84.4
113	12.8	0.0	33.1
0	0.0	0.0	0.0

#11
1,4-Dichlorobenzene
Concen: 40.86 ug/L
RT: 5.63 min Scan# 269
Delta R.T. 0.01 min
Lab File: SV0100.D
Acq: 19 Jan 96 1:54 pm

Tgt Ion	Ratio	Lower	Upper
146	100		
148	67.1	44.4	84.4
113	12.8	0.0	32.7
0	0.0	0.0	0.0

#23
Nitrobenzene
Concen: 67.67 ug/L
RT: 6.21 min Scan# 318
Delta R.T. -0.00 min
Lab File: SV0100.D
Acq: 19 Jan 96 1:54 pm

Tgt Ion:77	Resp: 219266		
Ion	Ratio	Lower	Upper
77	100		
123	51.3	29.2	69.2
65	13.9	0.0	34.6
0	0.0	0.0	0.0

#25
Isophorone
Concen: 81.39 ug/L
RT: 6.46 min Scan# 339
Delta R.T. -0.00 min
Lab File: SV0100.D
Acq: 19 Jan 96 1:54 pm

Tgt Ion:82	Resp: 489236		
Ion	Ratio	Lower	Upper
82	100		
138	15.7	0.0	35.3
0	0.0	0.0	0.0
0	0.0	0.0	0.0

#12
1,2-Dichlorobenzene
Concen: 45.67 ug/L
RT: 5.81 min Scan# 284
Delta R.T. -0.00 min
Lab File: SV0100.D
Acq: 19 Jan 96 1:54 pm

Tgt Ion:	146	Resp:	162693
Ion	Ratio	Lower	Upper
146	100		
148	63.3	44.0	84.0
113	15.2	0.0	33.4
0	0.0	0.0	0.0

#18
Hexachloroethane
Concen: 33.27 ug/L
RT: 6.13 min Scan# 311
Delta R.T. -0.00 min
Lab File: SV0100.D
Acq: 19 Jan 96 1:54 pm

Tgt Ion:	117	Resp:	52598
Ion	Ratio	Lower	Upper
117	100		
201	50.0	52.7	92.7#
199	32.9	25.7	65.7
0	0.0	0.0	0.0

#32
1,2,4-Trichlorobenzene
Concen: 44.21 ug/L
RT: 6.97 min Scan# 382
Delta R.T. -0.00 min
Lab File: SV0100.D
Acq: 19 Jan 96 1:54 pm

Tgt Ion:	180	Resp:	108958
Ion Ratio	Lower	Upper	
180	100		
182	93.0	73.5	113.5
145	32.6	12.0	52.0
0	0.0	0.0	0.0

AbundanceIon 180.00 (179)
Ion 182.00 (181)
Ion 145.00 (144)

#35
Hexachlorobutadiene
Concen: 23.88 ug/L
RT: 7.28 min Scan# 408
Delta R.T. -0.00 min
Lab File: SV0100.D
Acq: 19 Jan 96 1:54 pm

Tgt Ion:	225	Resp:	26794
Ion Ratio	Lower	Upper	
225	100		
223	63.4	45.3	85.3
227	63.8	43.0	83.0
0	0.0	0.0	0.0

AbundanceIon 225.00 (224)
Ion 223.00 (222)
Ion 227.00 (226)

#41
Hexachlorocyclopentadiene
Concen: 92.16 ug/L
RT: 8.38 min Scan# 500
Delta R.T. -0.00 min
Lab File: SV0100.D
Acq: 19 Jan 96 1:54 pm

Tgt Ion:237	Resp:	31373
Ion Ratio	Lower	Upper
237	100	
235	61.2	42.1 82.1
272	12.1	0.0 33.5
0	0.0	0.0 0.0

#45
2-Chloronaphthalene
Concen: 55.31 ug/L
RT: 8.80 min Scan# 535
Delta R.T. -0.01 min
Lab File: SV0100.D
Acq: 19 Jan 96 1:54 pm

Tgt Ion:162	Resp:	258865	
Ion Ratio	Lower	Upper	
162	100		
164	33.0	12.7	52.7
127	41.2	16.4	56.4
0	0.0	0.0	0.0

#50
2,6-Dinitrotoluene
Concen: 67.07 ug/L
RT: 9.49 min Scan# 593
Delta R.T. -0.01 min
Lab File: SV0100.D
Acq: 19 Jan 96 1:54 pm

Tgt Ion:165	Resp:	84141
Ion Ratio	Lower	Upper
165	100	
89	54.8	26.3 66.3
121	22.2	0.0 38.7
0	0.0	0.0 0.0

#56
2,4-Dinitrotoluene
Concen: 62.04 ug/L
RT: 10.19 min Scan# 652
Delta R.T. -0.01 min
Lab File: SV0100.D
Acq: 19 Jan 96 1:54 pm

Tgt Ion:165	Resp:	105241
Ion Ratio	Lower	Upper
165	100	
63	41.9	22.2 62.2
182	5.3	0.0 25.1
0	0.0	0.0 0.0

AbundanceScan 805 (12.006 min): SV0090.D (-

AbundanceScan 802 (11.972 min): SV0100.D (*)

AbundanceScan 802 (11.972 min): SV0100.D (-

#73

Hexachlorobenzene

Concen: 43.98 ug/L

RT: 11.97 min Scan# 802

Delta R.T. -0.00 min

Lab File: SV0100.D

Acq: 19 Jan 96 1:54 pm

Tgt Ion:284 Resp: 50730

Ion Ratio Lower Upper

284 100

142 51.3 29.9 69.9

249 32.0 8.9 48.9

0 0.0 0.0 0.0

AbundanceIon 284.00 (283

40000 Ion 142.00 (141

Ion 249.00 (248

11.97

30000

20000

10000

0

Time-->11.88 12.04

Quantitation Report

Data File : C:\HPCHEM\1\DATA\JAN1995\SV0101.D
 Acq On : 19 Jan 96 2:34 pm
 Sample : ECO-003-04A
 Misc : SEMI TEST WATER 04, 1L
 Quant Time: Jan 19 15:15 1996

Vial: 5
 Operator:
 Inst : 5972 - 35
 Multiplr: 2.00

Method : C:\HPCHEM\1\METHODS\MEBNA.M
 Title : Method 8270
 Last Update : Mon Jan 22 08:23:02 1996
 Response via : Multiple Level Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.61	152	169357	40.00	ug/L	0.00
20) Naphthalene-d8	7.02	136	576235	40.00	ug/L	-0.01
40) Acenaphthene-d10	9.78	164	311380	40.00	ug/L	-0.01
67) Phenanthrene-d10	12.54	188	408484	40.00	ug/L	-0.01
82) Chrysene-d12	17.85	240	312255	40.00	ug/L	-0.01
92) Perylene-d12	20.92	264	309434	40.00	ug/L	-0.02

System Monitoring Compounds						%Recovery
5) 2-Fluorophenol	4.49	112	295782	86.38	ug/L	43.19%
7) Phenol-d5	5.26	99	328979	84.39	ug/L	42.19%
22) Nitrobenzene-d5	6.19	82	211454	73.03	ug/L	73.03%
44) 2-Fluorobiphenyl	8.62	172	367618	72.47	ug/L	72.47%
66) 2,4,6-Tribromophenol	11.25	330	84467	149.50	ug/L	74.75%
85) Terphenyl-d14	15.77	244	306782	76.56	ug/L	76.56%

Target Compounds						Qvalue
33) Naphthalene	7.06	128	240812	30.72	ug/L	98
48) Acenaphthylene	9.51	152	234639	49.10	ug/L	99
51) Acenaphthene	9.84	153	139618	31.76	ug/L	98
60) Fluorene	10.76	166	164788	35.67	ug/L	98
77) Phenanthrene	12.58	178	239128	37.88	ug/L	99
78) Anthracene	12.68	178	235796	36.88	ug/L	99
81) Fluoranthene	14.95	202	223553	37.28	ug/L	96
84) Pyrene	15.40	202	234575	35.89	ug/L	94
89) Benzo[a]anthracene	17.82	228	177821	32.60	ug/L	98
90) Chrysene	17.90	228	187284	34.62	ug/L	99
94) Benzo[b]fluoranthene	20.01	252	173873	29.58	ug/L	99
95) Benzo[k]fluoranthene	20.05	252	179594	33.73	ug/L	97
97) Benzo[a]pyrene	20.77	252	148811	27.31	ug/L	97
100) Indeno[1,2,3-cd]pyrene	24.23	276	167283	32.34	ug/L	99
101) Dibenz[a,h]anthracene	24.33	278	149350	30.22	ug/L	98
102) Benzo[g,h,i]perylene	25.21	276	171736	32.97	ug/L	97

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

Quantitation Report

Data File : C:\HPCHEM\1\DATA\JAN1995\SV0101.D
Acq On : 19 Jan 96 2:34 pm
Sample : ECO-003-04A
Misc : SEMI TEST WATER 04, 1L
Quant Time: Jan 19 15:15 1996

Vial: 5
Operator:
Inst : 5972 - 35
Multiplr: 2.00

Method : C:\HPCHEM\1\METHODS\MEBNA.M
Title : Method 8270
Last Update : Mon Jan 22 08:23:02 1996
Response via : Multiple Level Calibration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\JAN1995\SV0101.D
Acq On : 19 Jan 96 2:34 pm
Sample : ECO-003-04A
Misc : SEMI TEST WATER 04, 1L
Quant Time: Jan 19 15:15 1996

Vial: 5
Operator:
Inst : 5972 - 35
Multiplr: 2.00

Method : C:\HPCHEM\1\METHODS\MEBNA.M
Title : Method 8270
Last Update : Mon Jan 22 08:23:02 1996
Response via : Multiple Level Calibration

#33

Naphthalene

Concen: 30.72 ug/L

RT: 7.06 min Scan# 389

Delta R.T. -0.00 min

Lab File: SV0101.D

Acq: 19 Jan 96 2:34 pm

Tgt Ion:	128	Resp:	240812
Ion	Ratio	Lower	Upper
128	100		
129	10.6	0.0	30.8
127	12.2	0.0	33.7
0	0.0	0.0	0.0

#48

Acenaphthylene

Concen: 49.10 ug/L

RT: 9.51 min Scan# 595

Delta R.T. -0.01 min

Lab File: SV0101.D

Acq: 19 Jan 96 2:34 pm

Tgt Ion:	152	Resp:	234639
Ion	Ratio	Lower	Upper
152	100		
151	20.3	0.0	39.8
153	13.5	0.0	33.1
0	0.0	0.0	0.0

#51
Acenaphthene
Concen: 31.76 ug/L
RT: 9.84 min Scan# 623
Delta R.T. -0.01 min
Lab File: SV0101.D
Acq: 19 Jan 96 2:34 pm

Tgt Ion:	153	Resp:	139618
Ion Ratio	Lower	Upper	
153	100		
152	51.1	27.7	67.7
154	93.8	74.8	114.8
0	0.0	0.0	0.0

Abundance	Ion 153.00 (152)
100000	Ion 152.00 (151)
	Ion 154.00 (153)

#60
Fluorene
Concen: 35.67 ug/L
RT: 10.76 min Scan# 700
Delta R.T. -0.01 min
Lab File: SV0101.D
Acq: 19 Jan 96 2:34 pm

Tgt Ion:	166	Resp:	164788
Ion Ratio	Lower	Upper	
166	100		
165	91.4	72.6	112.6
167	12.7	0.0	34.2
0	0.0	0.0	0.0

Abundance	Ion 166.00 (165)
100000	Ion 165.00 (164)
	Ion 167.00 (166)

#77
Phenanthrene
Concen: 37.88 ug/L
RT: 12.58 min Scan# 853
Delta R.T. -0.02 min
Lab File: SV0101.D
Acq: 19 Jan 96 2:34 pm

Tgt Ion:	178	Resp:	239128
Ion	Ratio	Lower	Upper
178	100		
179	15.8	0.0	35.4
176	18.3	0.0	38.8
0	0.0	0.0	0.0

#78
Anthracene
Concen: 36.88 ug/L
RT: 12.68 min Scan# 861
Delta R.T. -0.01 min
Lab File: SV0101.D
Acq: 19 Jan 96 2:34 pm

Tgt Ion:	178	Resp:	235796
Ion	Ratio	Lower	Upper
178	100		
179	14.9	0.0	35.2
176	18.8	0.0	38.3
0	0.0	0.0	0.0

AbundanceScan 1057 (15.004 min): SV0090.D (

#81

Fluoranthene

Concen: 37.28 ug/L

RT: 14.95 min Scan# 1052

Delta R.T. -0.02 min

Lab File: SV0101.D

Acq: 19 Jan 96 2:34 pm

Tgt Ion:202 Resp: 223553

Ion Ratio Lower Upper

202 100

101 24.3 2.3 42.3

0 0.0 0.0 0.0

0 0.0 0.0 0.0

AbundanceScan 1052 (14.949 min): SV0101.D (

AbundanceIon 202.00 (201

Ion 101.00 (100

14.95

Time-->14.83 15.07

AbundanceScan 1052 (14.949 min): SV0101.D (

AbundanceScan 1094 (15.445 min): SV0090.D (

#84

Pyrene

Concen: 35.89 ug/L

RT: 15.40 min Scan# 1090

Delta R.T. -0.01 min

Lab File: SV0101.D

Acq: 19 Jan 96 2:34 pm

Tgt Ion:202 Resp: 234575

Ion Ratio Lower Upper

202 100

101 23.5 7.1 47.1

100 19.0 1.8 41.8

0 0.0 0.0 0.0

AbundanceScan 1090 (15.401 min): SV0101.D (

AbundanceIon 202.00 (201

Ion 101.00 (100

Ion 100.00 (99.

15.40

Time-->15.27 15.51

AbundanceScan 1090 (15.401 min): SV0101.D (

AbundanceScan 1298 (17.872 min): SV0090.D (

AbundanceScan 1293 (17.817 min): SV0101.D (

AbundanceScan 1293 (17.817 min): SV0101.D (

#89

Benzo[a]anthracene

Concen: 32.60 ug/L

RT: 17.82 min Scan# 1293

Delta R.T. -0.02 min

Lab File: SV0101.D

Acq: 19 Jan 96 2:34 pm

Tgt Ion:228 Resp: 177821

Ion Ratio Lower Upper

228 100

229 19.1 0.0 39.5

226 25.2 6.5 46.5

0 0.0 0.0 0.0

AbundanceIon 228.00 (227

150000 Ion 229.00 (228

Ion 226.00 (225

100000 17.82

50000

0

Time-->17.72 17.88

AbundanceScan 1305 (17.956 min): SV0090.D (

AbundanceScan 1300 (17.900 min): SV0101.D (

AbundanceScan 1300 (17.900 min): SV0101.D (

#90

Chrysene

Concen: 34.62 ug/L

RT: 17.90 min Scan# 1300

Delta R.T. -0.02 min

Lab File: SV0101.D

Acq: 19 Jan 96 2:34 pm

Tgt Ion:228 Resp: 187284

Ion Ratio Lower Upper

228 100

226 27.7 8.7 48.7

229 19.2 0.0 39.1

0 0.0 0.0 0.0

AbundanceIon 228.00 (227

150000 Ion 226.00 (225

Ion 229.00 (228

100000 17.90

50000

0

Time-->17.80 18.00

#97
Benzo[a]pyrene
Concen: 27.31 ug/L
RT: 20.77 min Scan# 1541
Delta R.T. -0.04 min
Lab File: SV0101.D
Acq: 19 Jan 96 2:34 pm

Tgt Ion:252	Resp: 148811
Ion Ratio	Lower Upper
252 100	
253 24.4	2.4 42.4
125 25.2	4.0 44.0
0 0.0	0.0 0.0

#100
Indeno[1,2,3-cd]pyrene
Concen: 32.34 ug/L
RT: 24.23 min Scan# 1832
Delta R.T. -0.06 min
Lab File: SV0101.D
Acq: 19 Jan 96 2:34 pm

Tgt Ion:276	Resp: 167283
Ion Ratio	Lower Upper
276 100	
138 44.8	23.9 63.9
0 0.0	0.0 0.0
0 0.0	0.0 0.0

#94
Benzo[b]fluoranthene
Concen: 29.58 ug/L
RT: 20.01 min Scan# 1477
Delta R.T. -0.02 min
Lab File: SV0101.D
Acq: 19 Jan 96 2:34 pm

Tgt Ion:	252	Resp:	173873
Ion Ratio	Lower	Upper	
252	100		
253	22.2	2.9	42.9
125	22.4	2.4	42.4
0	0.0	0.0	0.0

#95
Benzo[k]fluoranthene
Concen: 33.73 ug/L
RT: 20.05 min Scan# 1481
Delta R.T. -0.04 min
Lab File: SV0101.D
Acq: 19 Jan 96 2:34 pm

Tgt Ion:	252	Resp:	179594
Ion Ratio	Lower	Upper	
252	100		
253	22.2	4.0	44.0
125	23.5	2.4	42.4
0	0.0	0.0	0.0

#101
Dibenz[a,h]anthracene
Concen: 30.22 ug/L
RT: 24.33 min Scan# 1840
Delta R.T. -0.05 min
Lab File: SV0101.D
Acq: 19 Jan 96 2:34 pm

Tgt Ion:278	Resp:	149350
Ion Ratio	Lower	Upper
278 100		
139 36.3	14.7	54.7
279 23.3	3.6	43.6
0 0.0	0.0	0.0

#102
Benzo[g,h,i]perylene
Concen: 32.97 ug/L
RT: 25.21 min Scan# 1914
Delta R.T. -0.06 min
Lab File: SV0101.D
Acq: 19 Jan 96 2:34 pm

Tgt Ion:276	Resp:	171736
Ion Ratio	Lower	Upper
276 100		
138 47.9	26.1	66.1
277 21.1	3.0	43.0
0 0.0	0.0	0.0

Quantitation Report

Data File : C:\HPCHEM\1\DATA\JAN1995\SV0102.D
 Acq On : 19 Jan 96 3:18 pm
 Sample : ECO-003-05A
 Misc : SEMI TEST WATER 05, 1L
 Quant Time: Jan 19 16:14 1996

Vial: 6
 Operator:
 Inst : 5972 - 35
 Multiplr: 2.00

Method : C:\HPCHEM\1\METHODS\MEBNA.M
 Title : Method 8270
 Last Update : Mon Jan 22 08:23:02 1996
 Response via : Multiple Level Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev (Min)
1) 1,4-Dichlorobenzene-d4	5.60	152	217664	40.00	ug/L	0.00
20) Naphthalene-d8	7.03	136	678531	40.00	ug/L	0.00
40) Acenaphthene-d10	9.78	164	346360	40.00	ug/L	-0.02
67) Phenanthrene-d10	12.54	188	431663	40.00	ug/L	-0.02
82) Chrysene-d12	17.85	240	325106	40.00	ug/L	-0.02
92) Perylene-d12	20.92	264	339071	40.00	ug/L	-0.03
System Monitoring Compounds						%Recovery
5) 2-Fluorophenol	4.48	112	292296	66.42	ug/L	33.21%
7) Phenol-d5	5.26	99	329645	65.79	ug/L	32.90%
22) Nitrobenzene-d5	6.19	82	224869	65.96	ug/L	65.96%
44) 2-Fluorobiphenyl	8.61	172	358515	63.54	ug/L	63.54%
66) 2,4,6-Tribromophenol	11.24	330	74739	118.92	ug/L	59.46%
85) Terphenyl-d14	15.77	244	272169	65.24	ug/L	65.24%
Target Compounds						Qvalue
33) Naphthalene	7.06	128	270812	29.34	ug/L	100
48) Acenaphthylene	9.51	152	246761	46.42	ug/L	99
51) Acenaphthene	9.84	153	148194	30.31	ug/L	97
60) Fluorene	10.76	166	143656	27.96	ug/L	98
77) Phenanthrene	12.59	178	159393	23.89	ug/L	98
78) Anthracene	12.67	178	118198	17.50	ug/L	99
81) Fluoranthene	14.96	202	114843	18.12	ug/L	99
84) Pyrene	15.40	202	118610	17.43	ug/L	99
89) Benzo[a]anthracene	17.82	228	77955	13.73	ug/L	100
90) Chrysene	17.90	228	81429	14.46	ug/L	99
94) Benzo[b]fluoranthene	20.01	252	76368	11.86	ug/L	98
95) Benzo[k]fluoranthene	20.06	252	73358	12.57	ug/L	97
97) Benzo[a]pyrene	20.78	252	66122	11.07	ug/L	97
100) Indeno[1,2,3-cd]pyrene	24.23	276	61127	10.79	ug/L	97
101) Dibenz[a,h]anthracene	24.32	278	60609	11.19	ug/L	96
102) Benzo[g,h,i]perylene	25.20	276	66484	11.65	ug/L	95

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

Quantitation Report

Data File : C:\HPCHEM\1\DATA\JAN1995\SV0102.D
 Acq On : 19 Jan 96 3:18 pm
 Sample : ECO-003-05A
 Misc : SEMI TEST WATER 05, 1L
 Quant Time: Jan 19 16:14 1996

Vial: 6
 Operator:
 Inst : 5972 - 35
 Multiplr: 2.00

Method : C:\HPCHEM\1\METHODS\MEBNA.M
 Title : Method 8270
 Last Update : Mon Jan 22 08:23:02 1996
 Response via : Multiple Level Calibration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\JAN1995\SV0102.D
 Acq On : 19 Jan 96 3:18 pm
 Sample : ECO-003-05A
 Misc : SEMI TEST WATER 05, 1L
 Quant Time: Jan 19 16:14 1996

Vial: 6
 Operator:
 Inst : 5972 - 35
 Multiplr: 2.00

Method : C:\HPCHEM\1\METHODS\MEBNA.M
 Title : Method 8270
 Last Update : Mon Jan 22 08:23:02 1996
 Response via : Multiple Level Calibration

#33
Naphthalene
Concen: 29.34 ug/L
RT: 7.06 min Scan# 389
Delta R.T. -0.00 min
Lab File: SV0102.D
Acq: 19 Jan 96 3:18 pm

Tgt	Ion:128	Resp:	270812
Ion	Ratio	Lower	Upper
128	100		
129	10.6	0.0	30.8
127	13.9	0.0	33.7
0	0.0	0.0	0.0

#48
Acenaphthylene
Concen: 46.42 ug/L
RT: 9.51 min Scan# 595
Delta R.T. -0.02 min
Lab File: SV0102.D
Acq: 19 Jan 96 3:18 pm

Tgt	Ion:152	Resp:	246761
Ion	Ratio	Lower	Upper
152	100		
151	20.5	0.0	39.8
153	12.9	0.0	33.1
0	0.0	0.0	0.0

#77
Phenanthrene
Concen: 23.89 ug/L
RT: 12.59 min Scan# 854
Delta R.T. -0.02 min
Lab File: SV0102.D
Acq: 19 Jan 96 3:18 pm

Tgt	Ion:178	Resp:	159393
Ion	Ratio	Lower	Upper
178	100		
179	15.3	0.0	35.4
176	20.3	0.0	38.8
0	0.0	0.0	0.0

#78
Anthracene
Concen: 17.50 ug/L
RT: 12.67 min Scan# 861
Delta R.T. -0.02 min
Lab File: SV0102.D
Acq: 19 Jan 96 3:18 pm

Tgt	Ion:178	Resp:	118198
Ion	Ratio	Lower	Upper
178	100		
179	15.5	0.0	35.2
176	19.1	0.0	38.3
0	0.0	0.0	0.0

#51
Acenaphthene
Concen: 30.31 ug/L
RT: 9.84 min Scan# 623
Delta R.T. -0.02 min
Lab File: SV0102.D
Acq: 19 Jan 96 3:18 pm

Tgt Ion:	153	Resp:	148194
Ion	Ratio	Lower	Upper
153	100		
152	50.5	27.7	67.7
154	97.1	74.8	114.8
0	0.0	0.0	0.0

#60
Fluorene
Concen: 27.96 ug/L
RT: 10.76 min Scan# 700
Delta R.T. -0.02 min
Lab File: SV0102.D
Acq: 19 Jan 96 3:18 pm

Tgt Ion:	166	Resp:	143656
Ion	Ratio	Lower	Upper
166	100		
165	90.3	72.6	112.6
167	13.7	0.0	34.2
0	0.0	0.0	0.0

AbundanceScan 1057 (15.004 min): SV0090.D (

#81

Fluoranthene

Concen: 18.12 ug/L

RT: 14.96 min Scan# 1053

Delta R.T. -0.02 min

Lab File: SV0102.D

Acq: 19 Jan 96 3:18 pm

Tgt Ion:202 Resp: 114843

Ion Ratio Lower Upper

202 100

101 21.8 2.3 42.3

0 0.0 0.0 0.0

0 0.0 0.0 0.0

AbundanceScan 1053 (14.957 min): SV0102.D (

AbundanceIon 202.00 (201

80000 Ion 101.00 (100

14.96

60000

40000

20000

0

Time-->14.84 15.05

AbundanceScan 1053 (14.957 min): SV0102.D (

AbundanceScan 1094 (15.445 min): SV0090.D (

#84

Pyrene

Concen: 17.43 ug/L

RT: 15.40 min Scan# 1090

Delta R.T. -0.02 min

Lab File: SV0102.D

Acq: 19 Jan 96 3:18 pm

Tgt Ion:202 Resp: 118610

Ion Ratio Lower Upper

202 100

101 26.0 7.1 47.1

100 21.4 1.8 41.8

0 0.0 0.0 0.0

AbundanceScan 1090 (15.397 min): SV0102.D (

AbundanceIon 202.00 (201

100000 Ion 101.00 (100

Ion 100.00 (99.

15.40

50000

0

Time-->15.29 15.49

AbundanceScan 1090 (15.397 min): SV0102.D (

AbundanceScan 1298 (17.872 min): SV0090.D (

#89

Benzo[a]anthracene

Concen: 13.73 ug/L

RT: 17.82 min Scan# 1294

Delta R.T. -0.02 min

Lab File: SV0102.D

Acq: 19 Jan 96 3:18 pm

Tgt Ion:	228	Resp:	77955
Ion	Ratio	Lower	Upper
228	100		
229	19.6	0.0	39.5
226	26.4	6.5	46.5
0	0.0	0.0	0.0

AbundanceScan 1294 (17.825 min): SV0102.D (

AbundanceIon 228.00 (227
Ion 229.00 (228
Ion 226.00 (225

AbundanceScan 1294 (17.825 min): SV0102.D (

AbundanceScan 1305 (17.956 min): SV0090.D (

#90

Chrysene

Concen: 14.46 ug/L

RT: 17.90 min Scan# 1300

Delta R.T. -0.03 min

Lab File: SV0102.D

Acq: 19 Jan 96 3:18 pm

Tgt Ion:	228	Resp:	81429
Ion	Ratio	Lower	Upper
228	100		
226	28.3	8.7	48.7
229	19.4	0.0	39.1
0	0.0	0.0	0.0

AbundanceScan 1300 (17.896 min): SV0102.D (

AbundanceIon 228.00 (227
Ion 226.00 (225
Ion 229.00 (228

AbundanceScan 1300 (17.896 min): SV0102.D (

#94
Benzo[b]fluoranthene
Concen: 11.86 ug/L
RT: 20.01 min Scan# 1478
Delta R.T. -0.02 min
Lab File: SV0102.D
Acq: 19 Jan 96 3:18 pm

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.3	2.9	42.9
125	21.4	2.4	42.4
0	0.0	0.0	0.0

#95
Benzo[k]fluoranthene
Concen: 12.57 ug/L
RT: 20.06 min Scan# 1482
Delta R.T. -0.03 min
Lab File: SV0102.D
Acq: 19 Jan 96 3:18 pm

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.2	4.0	44.0
125	22.1	2.4	42.4
0	0.0	0.0	0.0

AbundanceScan 1550 (20.871 min): SV0090.D (

#97

Benzo[a]pyrene

Concen: 11.07 ug/L

RT: 20.78 min Scan# 1542

Delta R.T. -0.03 min

Lab File: SV0102.D

Acq: 19 Jan 96 3:18 pm

Tgt Ion:	252	Resp:	66122
Ion	Ratio	Lower	Upper
252	100		
253	24.5	2.4	42.4
125	24.7	4.0	44.0
0	0.0	0.0	0.0

AbundanceScan 1542 (20.776 min): SV0102.D (

AbundanceIon 252.00 (251
Ion 253.00 (252
Ion 125.00 (124

AbundanceScan 1542 (20.776 min): SV0102.D (

AbundanceScan 1845 (24.382 min): SV0090.D (

#100

Indeno[1,2,3-cd]pyrene

Concen: 10.79 ug/L

RT: 24.23 min Scan# 1832

Delta R.T. -0.06 min

Lab File: SV0102.D

Acq: 19 Jan 96 3:18 pm

Tgt Ion:	276	Resp:	61127
Ion	Ratio	Lower	Upper
276	100		
138	45.7	23.9	63.9
0	0.0	0.0	0.0
0	0.0	0.0	0.0

AbundanceScan 1832 (24.227 min): SV0102.D (

AbundanceIon 276.00 (275
Ion 138.00 (137

AbundanceScan 1832 (24.227 min): SV0102.D (

#101
 Dibenzo[a,h]anthracene
 Concen: 11.19 ug/L
 RT: 24.32 min Scan# 1840
 Delta R.T. -0.05 min
 Lab File: SV0102.D
 Acq: 19 Jan 96 3:18 pm

Tgt	Ion:278	Resp:	60609
Ion	Ratio	Lower	Upper
278	100		
139	32.0	14.7	54.7
279	21.9	3.6	43.6
0	0.0	0.0	0.0

#102
 Benzo[g,h,i]perylene
 Concen: 11.65 ug/L
 RT: 25.20 min Scan# 1914
 Delta R.T. -0.06 min
 Lab File: SV0102.D
 Acq: 19 Jan 96 3:18 pm

Tgt	Ion:276	Resp:	66484
Ion	Ratio	Lower	Upper
276	100		
138	50.2	26.1	66.1
277	24.3	3.0	43.0
0	0.0	0.0	0.0

Quantitation Report

Data File : C:\HPCHEM\1\DATA\JAN1995\SV0103.D
 Acq On : 19 Jan 96 4:06 pm
 Sample : ECO-003-06A
 Misc : SEMI TEST WATER 06, 1L
 Quant Time: Jan 22 8:53 1996

Vial: 7
 Operator:
 Inst : 5972 - 35
 Multiplr: 2.00

Method : C:\HPCHEM\1\METHODS\MEBNA.M
 Title : Method 8270
 Last Update : Mon Jan 22 08:23:02 1996
 Response via : Multiple Level Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.61	152	185229	40.00	ug/L	0.00
20) Naphthalene-d8	7.02	136	617084	40.00	ug/L	-0.01
40) Acenaphthene-d10	9.78	164	344511	40.00	ug/L	-0.01
67) Phenanthrene-d10	12.54	188	456237	40.00	ug/L	-0.01
82) Chrysene-d12	17.85	240	353634	40.00	ug/L	-0.01
92) Perylene-d12	20.92	264	364549	40.00	ug/L	-0.03

System Monitoring Compounds						%Recovery
5) 2-Fluorophenol	4.48	112	240249	64.15	ug/L	32.08%
7) Phenol-d5	5.26	99	279498	65.55	ug/L	32.78%
22) Nitrobenzene-d5	6.19	82	189775	61.21	ug/L	61.21%
44) 2-Fluorobiphenyl	8.62	172	351601	62.65	ug/L	62.65%
66) 2,4,6-Tribromophenol	11.25	330	85695	137.09	ug/L	68.54%
85) Terphenyl-d14	15.77	244	303902	66.97	ug/L	66.97%

Target Compounds						Qvalue
10) 1,3-Dichlorobenzene	5.57	146	114485	32.45	ug/L	98
11) 1,4-Dichlorobenzene	5.62	146	120253	34.02	ug/L	98
12) 1,2-Dichlorobenzene	5.81	146	126765	37.82	ug/L	99
18) Hexachloroethane	6.13	117	35321	23.75	ug/L	96
23) Nitrobenzene	6.20	77	204283	63.18	ug/L	97
25) Isophorone	6.45	82	473154	78.89	ug/L	100
32) 1,2,4-Trichlorobenzene	6.96	180	85651	34.83	ug/L	96
35) Hexachlorobutadiene	7.27	225	21981	19.63	ug/L	98
41) Hexachlorocyclopentadiene	8.37	237	25615	70.02	ug/L	94
45) 2-Chloronaphthalene	8.80	162	210058	41.76	ug/L	99
50) 2,6-Dinitrotoluene	9.47	165	84568	62.73	ug/L	87
56) 2,4-Dinitrotoluene	10.18	165	106695	58.53	ug/L	99
73) Hexachlorobenzene	11.96	284	24934	19.38	ug/L	94

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

Quantitation Report

Data File : C:\HPCHEM\1\DATA\JAN1995\SV0103.D
 Acq On : 19 Jan 96 4:06 pm
 Sample : ECO-003-06A
 Misc : SEMI TEST WATER 06, 1L
 Quant Time: Jan 22 8:53 1996

Vial: 7
 Operator:
 Inst : 5972 - 35
 Multiplr: 2.00

Method : C:\HPCHEM\1\METHODS\MEBNA.M
 Title : Method 8270
 Last Update : Mon Jan 22 08:23:02 1996
 Response via : Multiple Level Calibration

#10
1,3-Dichlorobenzene
Concen: 32.45 ug/L
RT: 5.57 min Scan# 264
Delta R.T. -0.00 min
Lab File: SV0103.D
Acq: 19 Jan 96 4:06 pm

Tgt Ion:	146	Resp:	114485
Ion	Ratio	Lower	Upper
146	100		
148	65.8	44.4	84.4
113	13.7	0.0	33.1
0	0.0	0.0	0.0

AbundanceIon 146.00 (145
Ion 148.00 (147
Ion 113.00 (112

#11
1,4-Dichlorobenzene
Concen: 34.02 ug/L
RT: 5.62 min Scan# 268
Delta R.T. -0.00 min
Lab File: SV0103.D
Acq: 19 Jan 96 4:06 pm

Tgt Ion:	146	Resp:	120253
Ion	Ratio	Lower	Upper
146	100		
148	63.3	44.4	84.4
113	11.9	0.0	32.7
0	0.0	0.0	0.0

AbundanceIon 146.00 (145
Ion 148.00 (147
Ion 113.00 (112

Quantitation Report

Data File : C:\HPCHEM\1\DATA\JAN1995\SV0103.D
Acq On : 19 Jan 96 4:06 pm
Sample : ECO-003-06A
Misc : SEMI TEST WATER 06, 1L
Quant Time: Jan 22 8:53 1996

Vial: 7
Operator:
Inst : 5972 - 35
Multiplr: 2.00

Method : C:\HPCHEM\1\METHODS\MEBNA.M
Title : Method 8270
Last Update : Mon Jan 22 08:23:02 1996
Response via : Multiple Level Calibration

#23
Nitrobenzene
Concen: 63.18 ug/L
RT: 6.20 min Scan# 317
Delta R.T. -0.01 min
Lab File: SV0103.D
Acq: 19 Jan 96 4:06 pm

Tgt Ion:77 Resp: 204283
Ion Ratio Lower Upper
77 100
123 47.4 29.2 69.2
65 13.4 0.0 34.6
0 0.0 0.0 0.0

AbundanceIon 77.00 (76.
200000 Ion 123.00 (122
Ion 65.00 (64.

#25
Isophorone
Concen: 78.89 ug/L
RT: 6.45 min Scan# 338
Delta R.T. -0.01 min
Lab File: SV0103.D
Acq: 19 Jan 96 4:06 pm

Tgt Ion:82 Resp: 473154
Ion Ratio Lower Upper
82 100
138 15.2 0.0 35.3
0 0.0 0.0 0.0
0 0.0 0.0 0.0

AbundanceIon 82.00 (81.
Ion 138.00 (137

#12
1,2-Dichlorobenzene
Concen: 37.82 ug/L
RT: 5.81 min Scan# 284
Delta R.T. -0.00 min
Lab File: SV0103.D
Acq: 19 Jan 96 4:06 pm

Tgt Ion:146 Resp: 126765
Ion Ratio Lower Upper
146 100
148 63.8 44.0 84.0
113 12.6 0.0 33.4
0 0.0 0.0 0.0

#18
Hexachloroethane
Concen: 23.75 ug/L
RT: 6.13 min Scan# 311
Delta R.T. -0.00 min
Lab File: SV0103.D
Acq: 19 Jan 96 4:06 pm

Tgt Ion:117 Resp: 35321
Ion Ratio Lower Upper
117 100
201 76.0 52.7 92.7
199 43.1 25.7 65.7
0 0.0 0.0 0.0

#32
1,2,4-Trichlorobenzene
Concen: 34.83 ug/L
RT: 6.96 min Scan# 381
Delta R.T. -0.01 min
Lab File: SV0103.D
Acq: 19 Jan 96 4:06 pm

Tgt Ion:	180	Resp:	85651
Ion	Ratio	Lower	Upper
180	100		
182	89.2	73.5	113.5
145	32.8	12.0	52.0
0	0.0	0.0	0.0

#35
Hexachlorobutadiene
Concen: 19.63 ug/L
RT: 7.27 min Scan# 407
Delta R.T. -0.01 min
Lab File: SV0103.D
Acq: 19 Jan 96 4:06 pm

Tgt Ion:	225	Resp:	21981
Ion	Ratio	Lower	Upper
225	100		
223	66.5	45.3	85.3
227	64.4	43.0	83.0
0	0.0	0.0	0.0

#41
Hexachlorocyclopentadiene
Concen: 70.02 ug/L
RT: 8.37 min Scan# 499
Delta R.T. -0.01 min
Lab File: SV0103.D
Acq: 19 Jan 96 4:06 pm

Tgt Ion:	237	Resp:	25615
Ion Ratio	Lower	Upper	
237	100		
235	67.5	42.1	82.1
272	14.3	0.0	33.5
0	0.0	0.0	0.0

AbundanceIon 237.00 (236
Ion 235.00 (234
Ion 272.00 (271

#45
2-Chloronaphthalene
Concen: 41.76 ug/L
RT: 8.80 min Scan# 535
Delta R.T. -0.01 min
Lab File: SV0103.D
Acq: 19 Jan 96 4:06 pm

Tgt Ion:	162	Resp:	210058
Ion Ratio	Lower	Upper	
162	100		
164	32.6	12.7	52.7
127	35.5	16.4	56.4
0	0.0	0.0	0.0

AbundanceIon 162.00 (161
Ion 164.00 (163
Ion 127.00 (126

#50
2,6-Dinitrotoluene
Concen: 62.73 ug/L
RT: 9.47 min Scan# 592
Delta R.T. -0.03 min
Lab File: SV0103.D
Acq: 19 Jan 96 4:06 pm

Tgt Ion:165	Resp:	84568
Ion Ratio	Lower	Upper
165	100	
89	55.5	26.3 66.3
121	23.1	0.0 38.7
0	0.0	0.0 0.0

AbundanceIon 165.00 (164
Ion 89.00 (88.
Ion 121.00 (120

#56
2,4-Dinitrotoluene
Concen: 58.53 ug/L
RT: 10.18 min Scan# 651
Delta R.T. -0.03 min
Lab File: SV0103.D
Acq: 19 Jan 96 4:06 pm

Tgt Ion:165	Resp:	106695
Ion Ratio	Lower	Upper
165	100	
63	41.8	22.2 62.2
182	5.4	0.0 25.1
0	0.0	0.0 0.0

AbundanceIon 165.00 (164
Ion 63.00 (62.
Ion 182.00 (181

#73

Hexachlorobenzene

Concen: 19.38 ug/L

RT: 11.96 min Scan# 801

Delta R.T. -0.01 min

Lab File: SV0103.D

Acq: 19 Jan 96 4:06 pm

Tgt Ion:	284	Resp:	24934
Ion Ratio	Lower	Upper	
284	100		
142	55.7	29.9	69.9
249	30.5	8.9	48.9
0	0.0	0.0	0.0

Quantitation Report

Data File : C:\HPCHEM\1\DATA\JAN1995\SV0109.D
 Acq_On : 20 Jan 96 9:48 am
 Sample : ECO-003-06AMS
 Misc : SEMI TEST WATER 06AMS, 1L
 Quant Time: Jan 20 10:43 1996

Vial: 3
 Operator:
 Inst : 5972 - 35
 Multiplr: 2.00

Method : C:\HPCHEM\1\METHODS\MEBNA.M
 Title : Method 8270
 Last Update : Mon Jan 22 12:06:25 1996
 Response via : Multiple Level Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev (Min)
1) 1,4-Dichlorobenzene-d4	5.58	152	180780	40.00	ug/L	0.00
20) Naphthalene-d8	7.01	136	607821	40.00	ug/L	0.00
40) Acenaphthene-d10	9.76	164	326422	40.00	ug/L	0.00
67) Phenanthrene-d10	12.52	188	413648	40.00	ug/L	0.00
82) Chrysene-d12	17.84	240	322415	40.00	ug/L	0.00
92) Perylene-d12	20.90	264	277273	40.00	ug/L	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	%Recovery
5) 2-Fluorophenol	4.46	112	260156	71.18	ug/L	35.59%
7) Phenol-d5	5.25	99	293426	70.51	ug/L	35.26%
22) Nitrobenzene-d5	6.18	82	217238	71.13	ug/L	71.13%
44) 2-Fluorobiphenyl	8.59	172	381704	71.78	ug/L	71.78%
66) 2,4,6-Tribromophenol	11.22	330	80518	135.94	ug/L	67.97%
85) Terphenyl-d14	15.75	244	258614	62.51	ug/L	62.51%

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Phenol	5.26	94	316913	75.81	ug/L	95
9) 2-Chlorophenol	5.42	128	356353	110.43	ug/L	98
10) 1,3-Dichlorobenzene	5.56	146	137399	39.90	ug/L	97
11) 1,4-Dichlorobenzene	5.61	146	290462	84.21	ug/L	99
12) 1,2-Dichlorobenzene	5.80	146	148406	45.37	ug/L	97
13) Aniline	5.42	93	7191	1.46	ug/L	# 1
18) Hexachloroethane	6.12	117	47158	32.49	ug/L	97
19) N-Nitroso-di-n-propylamine	6.01	70	168970	73.64	ug/L	91
23) Nitrobenzene	6.19	77	232016	72.85	ug/L	98
25) Isophorone	6.44	82	508514	86.07	ug/L	99
32) 1,2,4-Trichlorobenzene	6.95	180	232857	96.13	ug/L	98
35) Hexachlorobutadiene	7.26	225	27031	24.51	ug/L	97
37) 4-Chloro-3-methylphenol	7.74	107	359472	145.81	ug/L	98
41) Hexachlorocyclopentadiene	8.36	237	31317	90.35	ug/L	98
45) 2-Chloronaphthalene	8.77	162	250129	52.49	ug/L	98
50) 2,6-Dinitrotoluene	9.46	165	93942	73.54	ug/L	92
51) Acenaphthene	9.82	153	312252	67.76	ug/L	98
52) 1-Chloronaphthalene	8.77	162	250129	54.34	ug/L	100
56) 2,4-Dinitrotoluene	10.16	165	253422	146.71	ug/L	96
57) 4-Nitrophenol	9.96	109	62177	80.28	ug/L	# 91
73) Hexachlorobenzene	11.94	284	32809	28.12	ug/L	82
74) Pentachlorophenol	12.28	266	113022	143.65	ug/L	99
84) Pyrene	15.38	202	467054	69.20	ug/L	99

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

Quantitation Report

Data File : C:\HPCHEM\1\DATA\JAN1995\SV0109.D
 Acq On : 20 Jan 96 9:48 am
 Sample : ECO-003-06AMS
 Misc : SEMI TEST WATER 06AMS, 1L
 Quant Time: Jan 20 10:43 1996

Vial: 3
 Operator:
 Inst : 5972 - 35
 Multiplr: 2.00

Method : C:\HPCHEM\1\METHODS\MEBNA.M
 Title : Method 8270
 Last Update : Mon Jan 22 12:06:25 1996
 Response via : Multiple Level Calibration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\JAN1995\SV0109.D
Acq On : 20 Jan 96 9:48 am
Sample : ECO-003-06AMS
Misc : SEMI TEST WATER 06AMS, 1L
Quant Time: Jan 20 10:43 1996

Vial: 3
Operator:
Inst : 5972 - 35
Multiplr: 2.00

Method : C:\HPCHEM\1\METHODS\MEBNA.M
Title : Method 8270
Last Update : Mon Jan 22 12:06:25 1996
Response via : Multiple Level Calibration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\JAN1995\SV0110.D
 Acq On : 20 Jan 96 10:29 am
 Sample : ECO-003-06AMSD
 Misc : SEMI TEST WATER 06AMSD, 1L
 Quant Time: Jan 20 11:05 1996

Vial: 4
 Operator:
 Inst : 5972 - 35
 Multiplr: 2.00

Method : C:\HPCHEM\1\METHODS\MEBNA.M
 Title : Method 8270
 Last Update : Mon Jan 22 12:06:25 1996
 Response via : Multiple Level Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.58	152	166770	40.00	ug/L	0.00
20) Naphthalene-d8	7.01	136	560677	40.00	ug/L	0.00
40) Acenaphthene-d10	9.76	164	301184	40.00	ug/L	0.00
67) Phenanthrene-d10	12.52	188	384066	40.00	ug/L	0.00
82) Chrysene-d12	17.83	240	301757	40.00	ug/L	0.00
92) Perylene-d12	20.90	264	308077	40.00	ug/L	0.00

System Monitoring Compounds						%Recovery
5) 2-Fluorophenol	4.47	112	263026	78.01	ug/L	39.00%
7) Phenol-d5	5.25	99	295429	76.96	ug/L	38.48%
22) Nitrobenzene-d5	6.18	82	199436	70.79	ug/L	70.79%
44) 2-Fluorobiphenyl	8.61	172	353162	71.98	ug/L	71.98%
66) 2,4,6-Tribromophenol	11.22	330	81124	148.44	ug/L	74.22%
85) Terphenyl-d14	15.75	244	282981	73.08	ug/L	73.08%

Target Compounds						Qvalue
8) Phenol	5.26	94	307779	79.81	ug/L	96
9) 2-Chlorophenol	5.42	128	355243	119.34	ug/L	98
10) 1,3-Dichlorobenzene	5.56	146	144040	45.34	ug/L	97
11) 1,4-Dichlorobenzene	5.61	146	293429	92.21	ug/L	99
12) 1,2-Dichlorobenzene	5.80	146	154379	51.16	ug/L	98
18) Hexachloroethane	6.12	117	47057	35.14	ug/L	96
19) N-Nitroso-di-n-propylamine	6.01	70	152237	71.92	ug/L	92
23) Nitrobenzene	6.19	77	213905	72.81	ug/L	98
25) Isophorone	6.44	82	476369	87.41	ug/L	99
32) 1,2,4-Trichlorobenzene	6.95	180	232583	104.10	ug/L	99
35) Hexachlorobutadiene	7.26	225	26644	26.19	ug/L	98
37) 4-Chloro-3-methylphenol	7.74	107	337521	148.41	ug/L	99
41) Hexachlorocyclopentadiene	8.36	237	28301	88.49	ug/L	96
45) 2-Chloronaphthalene	8.77	162	236178	53.71	ug/L	98
50) 2,6-Dinitrotoluene	9.46	165	88218	74.85	ug/L	92
51) Acenaphthene	9.82	153	297332	69.93	ug/L	99
52) 1-Chloronaphthalene	8.77	162	236178	55.61	ug/L	98
56) 2,4-Dinitrotoluene	10.17	165	246662	154.77	ug/L	98
57) 4-Nitrophenol	9.96	109	63947	89.49	ug/L	95
73) Hexachlorobenzene	11.94	284	26901	24.83	ug/L	86
74) Pentachlorophenol	12.28	266	114048	156.12	ug/L	99
84) Pyrene	15.38	202	443016	70.13	ug/L	99

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

Quantitation Report

Data File : C:\HPCHEM\1\DATA\JAN1995\SV0110.D
 Acq On : 20 Jan 96 10:29 am
 Sample : ECO-003-06AMSD
 Misc : SEMI TEST WATER 06AMSD, 1L
 Quant Time: Jan 20 11:05 1996

Vial: 4
 Operator:
 Inst : 5972 - 35
 Multiplr: 2.00

Method : C:\HPCHEM\1\METHODS\MEBNA.M
 Title : Method 8270
 Last Update : Mon Jan 22 12:06:25 1996
 Response via : Multiple Level Calibration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\JAN1995\SV0110.D
Acq On : 20 Jan 96 10:29 am
Sample : ECO-003-06AMSD
Misc : SEMI TEST WATER 06AMSD, 1L
Quant Time: Jan 20 11:05 1996

Vial: 4
Operator:
Inst : 5972 - 35
Multiplr: 2.00

Method : C:\HPCHEM\1\METHODS\MEBNA.M
Title : Method 8270
Last Update : Mon Jan 22 12:06:25 1996
Response via : Multiple Level Calibration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\JAN2295\SV0118.D
 Acq On : 22 Jan 96 8:40 am
 Sample : ECO-003-07ARE
 Misc : SEMI TEST WATER 07RE, 1L
 Quant Time: Jan 22 10:14 1996

Vial: 3
 Operator:
 Inst : 5972 - 35
 Multiplr: 2.00

Method : C:\HPCHEM\1\METHODS\MEBNA.M
 Title : Method 8270
 Last Update : Mon Jan 22 08:23:02 1996
 Response via : Multiple Level Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev (Min)
1) 1,4-Dichlorobenzene-d4	5.60	152	365582	40.00	ug/L	0.00
20) Naphthalene-d8	7.02	136	1189426	40.00	ug/L	0.00
40) Acenaphthene-d10	9.77	164	642713	40.00	ug/L	0.00
67) Phenanthrene-d10	12.53	188	816555	40.00	ug/L	0.00
82) Chrysene-d12	17.84	240	626967	40.00	ug/L	-0.01
92) Perylene-d12	20.91	264	636684	40.00	ug/L	0.00

System Monitoring Compounds						%Recovery
5) 2-Fluorophenol	4.48	112	386141	52.24	ug/L	26.12%
7) Phenol-d5	5.25	99	460204	54.69	ug/L	27.34%
22) Nitrobenzene-d5	6.18	82	337538	56.48	ug/L	56.48%
44) 2-Fluorobiphenyl	8.61	172	641046	61.23	ug/L	61.23%
66) 2,4,6-Tribromophenol	11.24	330	140649	120.60	ug/L	60.30%
85) Terphenyl-d14	15.76	244	455857	56.66	ug/L	56.66%

Target Compounds						Qvalue
33) Naphthalene	7.05	128	448231	27.70	ug/L	99
48) Acenaphthylene	9.50	152	505233	51.22	ug/L	99
51) Acenaphthene	9.83	153	313377	34.54	ug/L	98
60) Fluorene	10.75	166	299041	31.36	ug/L	97
77) Phenanthrene	12.58	178	334852	26.53	ug/L	98
78) Anthracene	12.66	178	153674	12.02	ug/L	98
81) Fluoranthene	14.95	202	196344	16.38	ug/L	95
84) Pyrene	15.39	202	173788	13.24	ug/L	96
89) Benzo[a]anthracene	17.81	228	33893	3.09	ug/L	98
90) Chrysene	17.89	228	36157	3.33	ug/L	95
94) Benzo[b]fluoranthene	20.00	252	30284	2.50	ug/L	94
95) Benzo[k]fluoranthene	20.05	252	30593	2.79	ug/L	92
97) Benzo[a]pyrene	20.77	252	23720	2.12	ug/L	99
100) Indeno[1,2,3-cd]pyrene	24.20	276	24130	2.27	ug/L	74
101) Dibenz[a,h]anthracene	24.30	278	19366	1.90	ug/L	86
102) Benzo[g,h,i]perylene	25.17	276	22734	2.12	ug/L	96

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

Quantitation Report

Data File : C:\HPCHEM\1\DATA\JAN2295\SV0118.D
Acq On : 22 Jan 96 8:40 am
Sample : ECO-003-07ARE
Misc : SEMI TEST WATER 07RE, 1L
Quant Time: Jan 22 10:14 1996

Vial: 3
Operator:
Inst : 5972 - 35
Multiplr: 2.00

Method : C:\HPCHEM\1\METHODS\MEBNA.M
Title : Method 8270
Last Update : Mon Jan 22 08:23:02 1996
Response via : Multiple Level Calibration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\JAN2295\SV0118.D
 Acq On : 22 Jan 96 8:40 am
 Sample : ECO-003-07ARE
 Misc : SEMI TEST WATER 07RE, 1L
 Quant Time: Jan 22 10:14 1996

Vial: 3
 Operator:
 Inst : 5972 - 35
 Multiplr: 2.00

Method : C:\HPCHEM\1\METHODS\MEBNA.M
 Title : Method 8270
 Last Update : Mon Jan 22 08:23:02 1996
 Response via : Multiple Level Calibration

#33
Naphthalene
Concen: 27.70 ug/L
RT: 7.05 min Scan# 388
Delta R.T. 0.00 min
Lab File: SV0118.D
Acq: 22 Jan 96 8:40 am

Tgt	Ion:128	Resp:	448231
Ion	Ratio	Lower	Upper
128	100		
129	10.5	0.0	30.8
127	13.4	0.0	33.7
0	0.0	0.0	0.0

AbundanceIon 128.00 (127
Ion 129.00 (128
400000 Ion 127.00 (126
7.05

#48
Acenaphthylene
Concen: 51.22 ug/L
RT: 9.50 min Scan# 594
Delta R.T. -0.01 min
Lab File: SV0118.D
Acq: 22 Jan 96 8:40 am

Tgt	Ion:152	Resp:	505233
Ion	Ratio	Lower	Upper
152	100		
151	20.0	0.0	39.8
153	12.7	0.0	33.1
0	0.0	0.0	0.0

AbundanceIon 152.00 (151
Ion 151.00 (150
400000 Ion 153.00 (152
9.50

#51
Acenaphthene
Concen: 34.54 ug/L
RT: 9.83 min Scan# 622
Delta R.T. 0.00 min
Lab File: SV0118.D
Acq: 22 Jan 96 8:40 am

Tgt Ion	Ratio	Lower	Upper
153	100		
152	45.9	27.7	67.7
154	96.5	74.8	114.8
0	0.0	0.0	0.0

#60
Fluorene
Concen: 31.36 ug/L
RT: 10.75 min Scan# 699
Delta R.T. 0.00 min
Lab File: SV0118.D
Acq: 22 Jan 96 8:40 am

Tgt Ion	Ratio	Lower	Upper
166	100		
165	96.1	72.6	112.6
167	13.9	0.0	34.2
0	0.0	0.0	0.0

#77
Phenanthrene
Concen: 26.53 ug/L
RT: 12.58 min Scan# 853
Delta R.T. 0.00 min
Lab File: SV0118.D
Acq: 22 Jan 96 8:40 am

Tgt Ion:178	Resp:	334852
Ion Ratio	Lower	Upper
178	100	
179	14.7	0.0 35.4
176	17.9	0.0 38.8
0	0.0	0.0 0.0

#78
Anthracene
Concen: 12.02 ug/L
RT: 12.66 min Scan# 860
Delta R.T. 0.00 min
Lab File: SV0118.D
Acq: 22 Jan 96 8:40 am

Tgt Ion:178	Resp:	153674
Ion Ratio	Lower	Upper
178	100	
179	15.9	0.0 35.2
176	17.3	0.0 38.3
0	0.0	0.0 0.0

AbundanceScan 1057 (15.004 min): SV0090.D (

#81
Fluoranthene
Concen: 16.38 ug/L
RT: 14.95 min Scan# 1052
Delta R.T. 0.00 min
Lab File: SV0118.D
Acq: 22 Jan 96 8:40 am

Tgt Ion:	202	Resp:	196344
Ion	Ratio	Lower	Upper
202	100		
101	20.1	2.3	42.3
0	0.0	0.0	0.0
0	0.0	0.0	0.0

AbundanceScan 1052 (14.949 min): SV0118.D (

AbundanceIon 202.00 (201
Ion 101.00 (100
14.95

AbundanceScan 1052 (14.949 min): SV0118.D (

AbundanceScan 1094 (15.445 min): SV0090.D (

#84
Pyrene
Concen: 13.24 ug/L
RT: 15.39 min Scan# 1089
Delta R.T. 0.00 min
Lab File: SV0118.D
Acq: 22 Jan 96 8:40 am

Tgt Ion:	202	Resp:	173788
Ion	Ratio	Lower	Upper
202	100		
101	25.2	7.1	47.1
100	19.5	1.8	41.8
0	0.0	0.0	0.0

AbundanceScan 1089 (15.390 min): SV0118.D (

AbundanceIon 202.00 (201
Ion 101.00 (100
Ion 100.00 (99.
15.39

AbundanceScan 1089 (15.390 min): SV0118.D (

#89
Benzo[a]anthracene
Concen: 3.09 ug/L
RT: 17.81 min Scan# 1292
Delta R.T. -0.01 min
Lab File: SV0118.D
Acq: 22 Jan 96 8:40 am

Tgt Ion:228	Resp:	33893
Ion	Ratio	Lower Upper
228	100	
229	21.0	0.0 39.5
226	26.7	6.5 46.5
0	0.0	0.0 0.0

#90
Chrysene
Concen: 3.33 ug/L
RT: 17.89 min Scan# 1299
Delta R.T. -0.01 min
Lab File: SV0118.D
Acq: 22 Jan 96 8:40 am

Tgt Ion:228	Resp:	36157
Ion	Ratio	Lower Upper
228	100	
226	31.3	8.7 48.7
229	21.0	0.0 39.1
0	0.0	0.0 0.0

AbundanceScan 1484 (20.086 min): SV0090.D (

#94

Benzo[b] fluoranthene

Concen: 2.50 ug/L

RT: 20.00 min Scan# 1476

Delta R.T. -0.01 min

Lab File: SV0118.D

Acq: 22 Jan 96 8:40 am

Tgt Ion:252 Resp: 30284

Ion Ratio Lower Upper

252 100

253 27.6 2.9 42.9

125 20.9 2.4 42.4

0 0.0 0.0 0.0

AbundanceScan 1476 (19.995 min): SV0118.D (

AbundanceIon 252.00 (251

Ion 253.00 (252

Ion 125.00 (124

15000 20.00

10000

5000

0

Time-->19.89 20.03

AbundanceScan 1476 (19.995 min): SV0118.D (

AbundanceScan 1490 (20.157 min): SV0090.D (

#95

Benzo[k] fluoranthene

Concen: 2.79 ug/L

RT: 20.05 min Scan# 1481

Delta R.T. -0.01 min

Lab File: SV0118.D

Acq: 22 Jan 96 8:40 am

Tgt Ion:252 Resp: 30593

Ion Ratio Lower Upper

252 100

253 20.9 4.0 44.0

125 17.8 2.4 42.4

0 0.0 0.0 0.0

AbundanceScan 1481 (20.055 min): SV0118.D (

AbundanceIon 252.00 (251

Ion 253.00 (252

Ion 125.00 (124

15000 20.05

10000

5000

0

Time-->19.96 20.16

AbundanceScan 1481 (20.055 min): SV0118.D (

AbundanceScan 1550 (20.871 min): SV0090.D (

#97

Benzo[a]pyrene

Concen: 2.12 ug/L

RT: 20.77 min Scan# 1541

Delta R.T. 0.00 min

Lab File: SV0118.D

Acq: 22 Jan 96 8:40 am

Tgt Ion:252 Resp: 23720

Ion Ratio Lower Upper

252 100

253 21.8 2.4 42.4

125 24.6 4.0 44.0

0 0.0 0.0 0.0

AbundanceScan 1541 (20.769 min): SV0118.D (

AbundanceIon 252.00 (251

Ion 253.00 (252

Ion 125.00 (124

20.77

10000

5000

0

Time-->20.64 20.86

AbundanceScan 1541 (20.769 min): SV0118.D (

AbundanceScan 1845 (24.382 min): SV0090.D (

#100

Indeno[1,2,3-cd]pyrene

Concen: 2.27 ug/L

RT: 24.20 min Scan# 1829

Delta R.T. -0.03 min

Lab File: SV0118.D

Acq: 22 Jan 96 8:40 am

Tgt Ion:276 Resp: 24130

Ion Ratio Lower Upper

276 100

138 27.3 23.9 63.9

0 0.0 0.0 0.0

0 0.0 0.0 0.0

AbundanceScan 1829 (24.196 min): SV0118.D (

AbundanceIon 276.00 (275

Ion 138.00 (137

24.20

6000

4000

2000

0

Time-->24.02 24.42

AbundanceScan 1829 (24.196 min): SV0118.D (

#101
Dibenz[a,h]anthracene
Concen: 1.90 ug/L
RT: 24.30 min Scan# 1838
Delta R.T. -0.02 min
Lab File: SV0118.D
Acq: 22 Jan 96 8:40 am

Tgt Ion:	278	Resp:	19366
Ion	Ratio	Lower	Upper
278	100		
139	40.6	14.7	54.7
279	13.4	3.6	43.6
0	0.0	0.0	0.0

AbundanceIon 278.00 (277
Ion 139.00 (138
Ion 279.00 (278
24.30

#102
Benzo[g,h,i]perylene
Concen: 2.12 ug/L
RT: 25.17 min Scan# 1911
Delta R.T. -0.05 min
Lab File: SV0118.D
Acq: 22 Jan 96 8:40 am

Tgt Ion:	276	Resp:	22734
Ion	Ratio	Lower	Upper
276	100		
138	47.9	26.1	66.1
277	20.0	3.0	43.0
0	0.0	0.0	0.0

AbundanceIon 276.00 (275
Ion 138.00 (137
Ion 277.00 (276
25.17

Quantitation Report

Data File : C:\HPCHEM\1\DATA\JAN1995\SV0112.D
 Acq On : 20 Jan 96 11:53 am
 Sample : LCSB
 Misc : LCSB
 Quant Time: Jan 20 12:20 1996

Vial: 6
 Operator:
 Inst : 5972 - 35
 Multiplr: 2.00

Method : C:\HPCHEM\1\METHODS\MEBNA.M
 Title : Method 8270
 Last Update : Mon Jan 22 08:23:02 1996
 Response via : Multiple Level Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev (Min)
1) 1,4-Dichlorobenzene-d4	5.59	152	173204	40.00	ug/L	0.00
20) Naphthalene-d8	7.02	136	563408	40.00	ug/L	0.00
40) Acenaphthene-d10	9.77	164	306290	40.00	ug/L	0.00
67) Phenanthrene-d10	12.53	188	383292	40.00	ug/L	0.00
82) Chrysene-d12	17.84	240	309066	40.00	ug/L	0.00
92) Perylene-d12	20.91	264	397609	40.00	ug/L	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	%Recovery
5) 2-Fluorophenol	4.47	112	106763	30.49	ug/L	15.24%
7) Phenol-d5	5.26	99	131841	33.07	ug/L	16.53%
22) Nitrobenzene-d5	6.18	82	478528	169.04	ug/L	169.04%
44) 2-Fluorobiphenyl	8.60	172	812391	162.82	ug/L	162.82%
66) 2,4,6-Tribromophenol	11.23	330	36564	65.79	ug/L	32.90%
85) Terphenyl-d14	15.75	244	632456	159.46	ug/L	159.46%

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) N-nitrosodimethylamine	2.82	42	78354	41.65	ug/L	96
3) 2-Picoline	3.87	93	112342	29.19	ug/L	98
6) bis(2-Chloroethyl) ether	5.35	93	206015	59.13	ug/L	91
8) Phenol	5.27	94	132157	33.00	ug/L	94
9) 2-Chlorophenol	5.43	128	150436	48.66	ug/L	95
10) 1,3-Dichlorobenzene	5.56	146	169788	51.46	ug/L	99
11) 1,4-Dichlorobenzene	5.62	146	162301	49.11	ug/L	100
12) 1,2-Dichlorobenzene	5.79	146	168126	53.65	ug/L	97
13) Aniline	5.32	93	243018	51.41	ug/L	99
14) Benzyl alcohol	5.72	108	116101	58.38	ug/L	91
15) bis(2-chloroisopropyl) ethe	5.88	45	303496	64.48	ug/L	100
16) 2-Methylphenol	5.83	108	146814	52.00	ug/L	98
17) 4-Methylphenol	5.96	108	150101	51.78	ug/L	100
18) Hexachloroethane	6.12	117	68651	49.36	ug/L	85
19) N-Nitroso-di-n-propylamine	6.02	70	151351	68.85	ug/L	93
21) Acetophenone	6.01	105	278197	62.01	ug/L	100
23) Nitrobenzene	6.20	77	206655	70.00	ug/L	97
24) N-nitrosopiperidine	6.37	114	104437	68.42	ug/L	100
25) Isophorone	6.45	82	437988	79.98	ug/L	96
26) 2-Nitrophenol	6.56	139	98478	54.54	ug/L	91
27) 2,4-Dimethylphenol	6.56	107	132274	52.97	ug/L	98
28) Benzoic Acid	6.60	122	38216	24.70	ug/L	100
29) bis(2-Chloroethoxy) methane	6.69	93	260048	69.72	ug/L	99
30) 2,4-Dichlorophenol	6.83	162	134037	62.70	ug/L	94
32) 1,2,4-Trichlorobenzene	6.96	180	141638	63.08	ug/L	98
33) Naphthalene	7.04	128	524690	68.45	ug/L	99

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

SV0112.D MEBNA.M

Mon Jan 22 09:13:33 1996

HP LASERJET 4 PBM

Quantitation Report

Data File : C:\HPCHEM\1\DATA\JAN1995\SV0112.D
 Acq On : 20 Jan 96 11:53 am
 Sample : LCSB
 Misc : LCSB
 Quant Time: Jan 20 12:20 1996

Vial: 6
 Operator:
 Inst : 5972 - 35
 Multiplr: 2.00

Method : C:\HPCHEM\1\METHODS\MEBNA.M
 Title : Method 8270
 Last Update : Mon Jan 22 08:23:02 1996
 Response via : Multiple Level Calibration

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
34) 4-Chloroaniline	7.12	127	190078	61.19	ug/L	99
35) Hexachlorobutadiene	7.27	225	60258	58.95	ug/L	97
36) 2,6-Dichlorophenol	7.13	162	135978	61.64	ug/L	98
37) 4-Chloro-3-methylphenol	7.75	107	149077	65.23	ug/L	95
38) N-nitrosodibutylamine	7.58	84	141155	78.88	ug/L	97
39) 2-Methylnaphthalene	8.01	142	312535	81.96	ug/L	100
41) Hexachlorocyclopentadiene	8.36	237	39123	120.29	ug/L	97
42) 2,4,6-Trichlorophenol	8.47	196	81276	73.61	ug/L	100
43) 2,4,5-Trichlorophenol	8.53	196	91174	66.46	ug/L	98
45) 2-Chloronaphthalene	8.78	162	335688	75.07	ug/L	98
46) 1,2,4,5-Teterachlorobenzen	8.33	216	112271	63.41	ug/L	93
47) 2-Nitroaniline	8.98	65	104999	72.60	ug/L	98
48) Acenaphthylene	9.51	152	516871	109.96	ug/L	100
49) Dimethylphthalate	9.35	163	366230	70.54	ug/L	98
50) 2,6-Dinitrotoluene	9.47	165	91917	76.68	ug/L	96
51) Acenaphthene	9.83	153	311043	71.94	ug/L	99
52) 1-Chloronaphthalene	8.84	162	252795	58.53	ug/L	99
53) 3-Nitroaniline	9.70	138	104704	66.73	ug/L	96
54) 2,4-Dinitrophenol	9.89	184	40966	72.62	ug/L	86
55) Dibenzofuran	10.11	168	449259	72.12	ug/L	99
56) 2,4-Dinitrotoluene	10.17	165	120167	74.14	ug/L	91
57) 4-Nitrophenol	9.96	109	25259	34.76	ug/L	91
58) Pentachlorobenzene	10.15	250	92819	64.57	ug/L	96
59) 2-Naphthylamine	10.26	143	103803	28.99	ug/L	96
60) Fluorene	10.74	166	351124	77.27	ug/L	98
61) 4-Chlorophenyl-phenylether	10.74	204	138895	72.38	ug/L	98
62) Diethylphthalate	10.64	149	401803	74.21	ug/L	99
63) 1-Naphthylamine	10.39	143	183830	54.68	ug/L	99
64) 2,3,4,6-Tetrachlorophenol	10.40	232	64089	64.41	ug/L	100
65) 4-Nitroaniline	10.83	138	112876	68.52	ug/L	98
68) 4,6-Dinitro-2-methylphenol	10.92	198	48674	68.86	ug/L	100
69) Diphenylamine	10.98	169	529695	76.64	ug/L	98
70) N-Nitrosodiphenylamine	10.98	169	529695	76.64	ug/L	98
71) 4-Bromophenyl-phenylether	11.67	248	69779	70.36	ug/L	96
72) Phenacetin	11.63	108	213395	76.06	ug/L	99
73) Hexachlorobenzene	11.95	284	75494	69.84	ug/L	99
74) Pentachlorophenol	12.28	266	49013	67.23	ug/L	96
75) 4-Aminobiphenyl	10.98	169	529695	76.64	ug/L	98
76) Pronamide	12.39	173	158540	76.15	ug/L	100
77) Phenanthrene	12.58	178	450480	76.05	ug/L	99
78) Anthracene	12.66	178	448736	74.80	ug/L	99
79) Pentachloronitrobenzene	12.46	295	14324	74.28	ug/L	99

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

SV0112.D MEBNA.M

Mon Jan 22 09:13:37 1996

HP LASERJET 4 P/BSeON LP

Quantitation Report

Data File : C:\HPCHEM\1\DATA\JAN1995\SV0112.D
 Acq On : 20 Jan 96 11:53 am
 Sample : LCSB
 Misc : LCSB
 Quant Time: Jan 20 12:20 1996

Vial: 6
 Operator:
 Inst : 5972 - 35
 Multiplr: 2.00

Method : C:\HPCHEM\1\METHODS\MEBNA.M
 Title : Method 8270
 Last Update : Mon Jan 22 08:23:02 1996
 Response via : Multiple Level Calibration

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
80) Di-n-butylphthalate	13.84	149	671570	76.41	ug/L	99
81) Fluoranthene	14.95	202	429882	76.40	ug/L	97
83) Benzidine	15.23	184	30998	8.36	ug/L	100
84) Pyrene	15.39	202	425720	65.80	ug/L	99
86) P-(dimethylamino) azobenze	16.08	120	158854	70.99	ug/L	93
87) Butylbenzylphthalate	16.84	149	276948	69.43	ug/L	90
88) 3,3'-Dichlorobenzidine	17.80	252	112763	52.06	ug/L	97
89) Benzo[a]anthracene	17.81	228	346208	64.13	ug/L	98
90) Chrysene	17.89	228	342445	63.95	ug/L	100
91) bis(2-Ethylhexyl)phthalate	18.06	149	377078	68.24	ug/L	100
93) Di-n-octylphthalate	19.25	149	612818	54.07	ug/L	99
94) Benzo[b]fluoranthene	20.00	252	408869	54.14	ug/L	97
95) Benzo[k]fluoranthene	20.05	252	363387	53.11	ug/L	98
96) 7,12-Dimethylbenz(a)anthar	20.04	256	73511	32.56	ug/L	100
97) Benzo[a]pyrene	20.76	252	376109	53.71	ug/L	98
98) 3-Methylchlolanthrene	21.79	268	6615	1.85	ug/L	98
100) Indeno[1,2,3-cd]pyrene	24.22	276	449726	67.67	ug/L	98
101) Dibenz[a,h]anthracene	24.31	278	433505	68.27	ug/L	99
102) Benzo[g,h,i]perylene	25.20	276	435350	65.04	ug/L	97

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

Quantitation Report

Data File : C:\HPCHEM\1\DATA\JAN1995\SV0112.D
 Acq On : 20 Jan 96 11:53 am
 Sample : LCSB
 Misc : LCSB
 Quant Time: Jan 20 12:20 1996

Vial: 6
 Operator:
 Inst : 5972 - 35
 Multiplr: 2.00

Method : C:\HPCHEM\1\METHODS\MEBNA.M
 Title : Method 8270
 Last Update : Mon Jan 22 08:23:02 1996
 Response via : Multiple Level Calibration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\JAN1995\SV0112.D
Acq On : 20 Jan 96 11:53 am
Sample : LCSB
Misc : LCSB
Quant Time: Jan 20 12:20 1996

Vial: 6
Operator:
Inst : 5972 - 35
Multiplr: 2.00

Method : C:\HPCHEM\1\METHODS\MEBNA.M
Title : Method 8270
Last Update : Mon Jan 22 08:23:02 1996
Response via : Multiple Level Calibration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\JAN1995\SV0111.D
 Acq On : 20 Jan 96 11:13 am
 Sample : LCSA
 Misc : LCSA
 Quant Time: Jan 20 11:40 1996

Vial: 5
 Operator:
 Inst : 5972 - 35
 Multiplr: 2.00

Method : C:\HPCHEM\1\METHODS\MEBNA.M
 Title : Method 8270
 Last Update : Mon Jan 22 08:23:02 1996
 Response via : Multiple Level Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.59	152	183323	40.00	ug/L	0.00
20) Naphthalene-d8	7.01	136	620412	40.00	ug/L	-0.01
40) Acenaphthene-d10	9.77	164	334546	40.00	ug/L	0.00
67) Phenanthrene-d10	12.53	188	425098	40.00	ug/L	0.00
82) Chrysene-d12	17.84	240	338900	40.00	ug/L	0.00
92) Perylene-d12	20.90	264	381561	40.00	ug/L	0.00

System Monitoring Compounds						%Recovery
5) 2-Fluorophenol	4.47	112	90537	24.43	ug/L	12.21%
7) Phenol-d5	5.25	99	113078	26.80	ug/L	13.40%
22) Nitrobenzene-d5	6.18	82	198740	63.75	ug/L	63.75%
44) 2-Fluorobiphenyl	8.60	172	346538	63.59	ug/L	63.59%
66) 2,4,6-Tribromophenol	11.22	330	32835	54.09	ug/L	27.05%
85) Terphenyl-d14	15.76	244	279960	64.37	ug/L	64.37%

Target Compounds						Qvalue
2) N-nitrosodimethylamine	2.81	42	79742	40.05	ug/L	96
3) 2-Picoline	3.85	93	116947	28.71	ug/L	96
4) Methyl methanesulfonate	4.34	80	101768	50.23	ug/L	96
6) bis(2-Chloroethyl) ether	5.35	93	234759	63.66	ug/L	98
8) Phenol	5.26	94	117697	27.76	ug/L	99
9) 2-Chlorophenol	5.41	128	127836	39.07	ug/L	97
10) 1,3-Dichlorobenzene	5.56	146	155568	44.55	ug/L	98
11) 1,4-Dichlorobenzene	5.60	146	157294	44.97	ug/L	98
12) 1,2-Dichlorobenzene	5.79	146	160887	48.50	ug/L	100
13) Aniline	5.31	93	266666	53.30	ug/L	100
14) Benzyl alcohol	5.71	108	123525	58.69	ug/L	98
15) bis(2-chloroisopropyl) ethe	5.87	45	312990	62.82	ug/L	92
16) 2-Methylphenol	5.82	108	116203	38.89	ug/L	98
17) 4-Methylphenol	5.96	108	114594	37.35	ug/L	100
18) Hexachloroethane	6.12	117	66302	45.04	ug/L	95
19) N-Nitroso-di-n-propylamine	6.01	70	163440	70.24	ug/L	95
21) Acetophenone	6.00	105	289628	58.63	ug/L	100
23) Nitrobenzene	6.19	77	204531	62.92	ug/L	97
24) N-nitrosopiperidine	6.35	114	111344	66.24	ug/L	100
25) Isophorone	6.44	82	425038	70.48	ug/L	98
26) 2-Nitrophenol	6.56	139	105228	52.92	ug/L	94
27) 2,4-Dimethylphenol	6.56	107	71404	25.97	ug/L	96
28) Benzoic Acid	6.60	122	34824	20.44	ug/L	100
29) bis(2-Chloroethoxy) methane	6.68	93	277605	67.59	ug/L	98
30) 2,4-Dichlorophenol	6.82	162	113152	48.07	ug/L	99
31) 1,1-Dimethylphenethylamine	6.91	58	54615	6.70	ug/L	100

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

Quantitation Report

Data File : C:\HPCHEM\1\DATA\JAN1995\SV0111.D
 Acq On : 20 Jan 96 11:13 am
 Sample : LCSA
 Misc : LCSA
 Quant Time: Jan 20 11:40 1996

Vial: 5
 Operator:
 Inst : 5972 - 35
 Multiplr: 2.00

Method : C:\HPCHEM\1\METHODS\MEBNA.M
 Title : Method 8270
 Last Update : Mon Jan 22 08:23:02 1996
 Response via : Multiple Level Calibration

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
32) 1,2,4-Trichlorobenzene	6.95	180	134917	54.57	ug/L	99
33) Naphthalene	7.03	128	544253	64.48	ug/L	99
34) 4-Chloroaniline	7.10	127	214225	62.63	ug/L	99
35) Hexachlorobutadiene	7.26	225	54317	48.26	ug/L	96
36) 2,6-Dichlorophenol	7.13	162	121864	50.16	ug/L	99
37) 4-Chloro-3-methylphenol	7.73	107	126224	50.16	ug/L	97
38) N-nitrosodibutylamine	7.58	84	140964	71.54	ug/L	99
39) 2-Methylnaphthalene	8.01	142	262184	62.44	ug/L	97
41) Hexachlorocyclopentadiene	8.35	237	17339	48.81	ug/L	95
42) 2,4,6-Trichlorophenol	8.46	196	63739	52.85	ug/L	99
43) 2,4,5-Trichlorophenol	8.52	196	77289	51.58	ug/L	99
45) 2-Chloronaphthalene	8.77	162	304535	62.35	ug/L	98
46) 1,2,4,5-Tetrachlorobenzen	8.33	216	110478	57.13	ug/L	98
47) 2-Nitroaniline	8.97	65	109001	69.01	ug/L	98
48) Acenaphthylene	9.50	152	334985	65.25	ug/L	99
49) Dimethylphthalate	9.34	163	346968	61.19	ug/L	98
50) 2,6-Dinitrotoluene	9.46	165	91131	69.61	ug/L	92
51) Acenaphthene	9.82	153	325382	68.90	ug/L	99
52) 1-Chloronaphthalene	8.83	162	290466	61.57	ug/L	97
53) 3-Nitroaniline	9.70	138	113549	66.26	ug/L	93
54) 2,4-Dinitrophenol	9.88	184	27712	44.97	ug/L	92
55) Dibenzofuran	10.10	168	465567	68.43	ug/L	100
56) 2,4-Dinitrotoluene	10.16	165	118977	67.21	ug/L	100
57) 4-Nitrophenol	9.96	109	22589	28.46	ug/L #	86
58) Pentachlorobenzene	10.15	250	95169	60.62	ug/L	100
59) 2-Naphthylamine	10.25	143	129648	33.15	ug/L	97
60) Fluorene	10.73	166	362011	72.93	ug/L	99
61) 4-Chlorophenyl-phenylether	10.75	204	147208	70.24	ug/L	98
62) Diethylphthalate	10.64	149	393388	66.52	ug/L	99
63) 1-Naphthylamine	10.38	143	150708	41.04	ug/L	98
64) 2,3,4,6-Tetrachlorophenol	10.40	232	58986	54.27	ug/L	100
65) 4-Nitroaniline	10.82	138	117903	65.53	ug/L	94
68) 4,6-Dinitro-2-methylphenol	10.91	198	41406	52.82	ug/L	100
69) Diphenylamine	10.97	169	563991	73.58	ug/L	98
70) N-Nitrosodiphenylamine	10.97	169	563991	73.58	ug/L	99
71) 4-Bromophenyl-phenylether	11.66	248	72685	66.08	ug/L #	84
72) Phenacetin	11.63	108	219505	70.55	ug/L	99
73) Hexachlorobenzene	11.95	284	79513	66.32	ug/L	97
74) Pentachlorophenol	12.28	266	46126	57.05	ug/L	96
75) 4-Aminobiphenyl	10.97	169	563991	73.58	ug/L	99
76) Pronamide	12.39	173	165028	71.47	ug/L	100
77) Phenanthrene	12.57	178	476804	72.57	ug/L	99

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

Quantitation Report

Data File : C:\HPCHEM\1\DATA\JAN1995\SV0111.D
 Acq On : 20 Jan 96 11:13 am
 Sample : LCSA
 Misc : LCSA
 Quant Time: Jan 20 11:40 1996

Vial: 5
 Operator:
 Inst : 5972 - 35
 Multiplr: 2.00

Method : C:\HPCHEM\1\METHODS\MEBNA.M
 Title : Method 8270
 Last Update : Sat Jan 20 09:25:17 1996
 Response via : Multiple Level Calibration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\JAN1995\SV0111.D
 Acq On : 20 Jan 96 11:13 am
 Sample : LCSA
 Misc : LCSA
 Quant Time: Jan 20 11:40 1996

Vial: 5
 Operator:
 Inst : 5972 - 35
 Multiplr: 2.00

Method : C:\HPCHEM\1\METHODS\MEBNA.M
 Title : Method 8270
 Last Update : Mon Jan 22 08:23:02 1996
 Response via : Multiple Level Calibration

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
78) Anthracene	12.66	178	458856	68.97	ug/L	100
79) Pentachloronitrobenzene	12.45	295	13992	65.42	ug/L	85
80) Di-n-butylphthalate	13.83	149	706387	72.47	ug/L	100
81) Fluoranthene	14.93	202	429000	68.75	ug/L	97
83) Benzidine	15.22	184	21054	5.18	ug/L	100
84) Pyrene	15.39	202	448442	63.21	ug/L	94
86) P-(dimethylamino) azobenze	16.06	120	158825	64.73	ug/L	94
87) Butylbenzylphthalate	16.84	149	281359	64.33	ug/L	89
88) 3,3'-Dichlorobenzidine	17.80	252	99217	41.78	ug/L	96
89) Benzo[a]anthracene	17.80	228	359764	60.77	ug/L	99
90) Chrysene	17.89	228	353599	60.22	ug/L	98
91) bis(2-Ethylhexyl)phthalate	18.06	149	400487	66.10	ug/L	100
93) Di-n-octylphthalate	19.25	149	670537	61.65	ug/L	100
94) Benzo[b]fluoranthene	19.99	252	365774	50.47	ug/L	98
95) Benzo[k]fluoranthene	20.05	252	368767	56.17	ug/L	95
96) 7,12-Dimethylbenz(a)anthar	20.04	256	75216	34.72	ug/L	100
97) Benzo[a]pyrene	20.75	252	345892	51.48	ug/L	100
98) 3-Methylchlolanthrene	21.79	268	157099	45.90	ug/L	99
99) Dibenzo(a,j) acridine	23.57	279	305718	55.21	ug/L	100
100) Indeno[1,2,3-cd]pyrene	24.20	276	348660	54.67	ug/L	98
101) Dibenz[a,h]anthracene	24.29	278	348156	57.13	ug/L	96
102) Benzo[g,h,i]perylene	25.18	276	381593	59.40	ug/L	98

Quantitation Report

Data File : C:\HPCHEM\1\DATA\JAN1995\SV0111.D
Acq On : 20 Jan 96 11:13 am
Sample : LCSA
Misc : LCSA
Quant Time: Jan 20 11:40 1996

Vial: 5
Operator:
Inst : 5972 - 35
Multiplr: 2.00

Method : C:\HPCHEM\1\METHODS\MEBNA.M
Title : Method 8270
Last Update : Sat Jan 20 09:25:17 1996
Response via : Multiple Level Calibration

DFTPP

Data File : C:\HPCHEM\1\DATA\JAN1895\SV0087.D
Acq On : 18 Jan 96 9:46 am
Sample : DFTPP01
Misc :

Vial: 1
Operator:
Inst : 5972 - 35
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\MEBNA.M
Title : Method 8270

Peak Apex is scan: 303

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	42.6	98696	PASS
68	69	0	2	0.0	0	PASS
69	198	0	100	56.8	131520	PASS
70	69	0	2	0.1	172	PASS
127	198	40	60	43.7	101067	PASS
197	198	0	1	0.0	0	PASS
198	198	100	100	100.0	231525	PASS
199	198	5	9	7.0	16252	PASS
275	198	10	30	19.4	44991	PASS
365	198	1	100	2.5	5808	PASS
441	443	0	100	79.9	20184	PASS
442	198	39	100	56.6	131017	PASS
443	442	17	23	19.3	25263	PASS

Response Factor Report 5972 - 35

Method : C:\HPCHEM\1\METHODS\MEBNA.M
 Title : Method 8270
 Last Update : Fri Jan 19 10:39:21 1996
 Response via : Initial Calibration

Calibration Files

20 =SV0089.D 50 =SV0088.D 80 =SV0091.D
 120 =SV0092.D 160 =SV0090.D

Compound		20	50	80	120	160	Avg	%RSD

1) I	1,4-Dichlorobenzene-d	-----ISTD-----						
2) T	N-nitrosodimethylamin	0.858	0.974	0.890	0.809	0.814	0.869	7.74
3) T	2-Picoline	1.742	1.971	1.880	1.652	1.642	1.777	8.11
4) T	Methyl methanesulfona	0.872	1.001	0.935	0.807	0.806	0.884	9.57
5) S	2-Fluorophenol	1.615	1.777	1.696	1.509	1.490	1.617	7.56
6) T	bis(2-Chloroethyl)eth	1.651	1.774	1.694	1.480	1.447	1.609	8.75
7) S	Phenol-d5	1.879	2.071	1.954	1.668	1.635	1.842	10.14
8) MC	Phenol	1.890	2.106	1.952	1.665	1.636	1.850	10.72
9) M	2-Chlorophenol	1.417	1.596	1.492	1.321	1.314	1.428	8.33
10) T	1,3-Dichlorobenzene	1.537	1.701	1.565	1.377	1.441	1.524	8.14
11) MC	1,4-Dichlorobenzene	1.560	1.713	1.575	1.397	1.388	1.526	8.93
12) T	1,2-Dichlorobenzene	1.469	1.620	1.482	1.327	1.340	1.448	8.29
13) T	Aniline	2.173	2.443	2.298	1.999	2.003	2.183	8.78
14) T	Benzyl alcohol	0.899	1.019	0.978	0.850	0.848	0.918	8.38
15) T	bis(2-chloroisopropyl	2.135	2.415	2.271	2.017	2.033	2.174	7.76
16) T	2-Methylphenol	1.295	1.462	1.380	1.205	1.178	1.304	9.11
17) T	4-Methylphenol	1.321	1.488	1.425	1.235	1.225	1.339	8.65
18) T	Hexachloroethane	0.631	0.718	0.665	0.591	0.607	0.642	7.88
19) MP	N-Nitroso-di-n-propyl	1.016	1.140	1.073	0.925	0.923	1.015	9.31#
20) I	Naphthalene-d8	-----ISTD-----						
21) T	Acetophenone	0.582	0.625	0.948	0.520	0.511	0.637	28.28
22) S	Nitrobenzene-d5	0.391	0.434	0.425	0.382	0.378	0.402	6.38
23) T	Nitrobenzene	0.426	0.458	0.437	0.390	0.385	0.419	7.44
24) T	N-nitrosopiperidine	0.206	0.233	0.231	0.206	0.207	0.217	6.49
25) T	Isophorone	0.794	0.847	0.815	0.710	0.722	0.778	7.68
26) TC	2-Nitrophenol	0.251	0.285	0.272	0.240	0.234	0.256	8.40
27) T	2,4-Dimethylphenol	0.365	0.392	0.376	0.321	0.320	0.355	9.18
28) T	Benzoic Acid	0.162	0.225	0.240	0.236	0.236	0.220	14.97
29) T	bis(2-Chloroethoxy)me	0.531	0.576	0.555	0.489	0.497	0.530	7.03
30) TC	2,4-Dichlorophenol	0.293	0.329	0.318	0.289	0.290	0.304	6.02
31) T	1,1-Dimethylphenethyl	0.963	1.125	1.169	0.978	1.020	1.051	8.70
32) M	1,2,4-Trichlorobenzen	0.316	0.344	0.331	0.299	0.305	0.319	5.87
33) T	Naphthalene	1.128	1.211	1.126	0.996	0.981	1.088	8.98
34) T	4-Chloroaniline	0.440	0.481	0.459	0.414	0.411	0.441	6.76
35) TC	Hexachlorobutadiene	0.143	0.157	0.150	0.136	0.140	0.145	5.90
36) T	2,6-Dichlorophenol	0.314	0.340	0.326	0.291	0.295	0.313	6.56
37) MC	4-Chloro-3-methylphen	0.312	0.350	0.340	0.306	0.315	0.324	5.95
38) T	N-nitrosodibutylamine	0.249	0.276	0.269	0.233	0.243	0.254	7.18
39) T	2-Methylnaphthalene	0.550	0.599	0.559	0.495	0.504	0.541	7.83
40) I	Acenaphthene-d10	-----ISTD-----						

(#) = Out of Range

MEBNA.M

Fri Jan 19 15:28:37 1996

HP LASERJET 4 PLUBaGN LP

Response Factor Report 5972 - 35

Method : C:\HPCHEM\1\METHODS\MEBNA.M
 Title : Method 8270
 Last Update : Fri Jan 19 10:39:21 1996
 Response via : Initial Calibration

Calibration Files

20 =SV0089.D 50 =SV0088.D 80 =SV0091.D
 120 =SV0092.D 160 =SV0090.D

	Compound	20	50	80	120	160	Avg	%RSD
41) TP	Hexachlorocyclopentad	0.075	0.088	0.091	0.087	0.085	0.085	7.16#
42) TC	2,4,6-Trichlorophenol	0.275	0.302	0.301	0.276	0.287	0.288	4.50
43) T	2,4,5-Trichlorophenol	0.345	0.384	0.383	0.340	0.339	0.358	6.48
44) S	2-Fluorobiphenyl	1.327	1.420	1.359	1.210	1.200	1.303	7.35
45) T	2-Chloronaphthalene	1.191	1.289	1.212	1.067	1.080	1.168	8.02
46) T	1,2,4,5-Teterachlorob	0.471	0.500	0.479	0.433	0.430	0.462	6.57
47) T	2-Nitroaniline	0.350	0.391	0.399	0.374	0.374	0.378	4.94
48) M	Acenaphthylene	1.230	1.341	1.268	1.156	1.143	1.228	6.64
49) T	Dimethylphthalate	1.329	1.462	1.409	1.272	1.308	1.356	5.74
50) T	2,6-Dinitrotoluene	0.275	0.328	0.336	0.311	0.316	0.313	7.47
51) TC	Acenaphthene	1.138	1.266	1.170	1.039	1.034	1.129	8.58
52) T	1-Chloronaphthalene	1.154	1.233	1.175	1.051	1.027	1.128	7.69
53) T	3-Nitroaniline	0.375	0.434	0.430	0.403	0.408	0.410	5.81
54) TP	2,4-Dinitrophenol	0.084	0.136	0.166	0.176	0.175	0.147	26.31#
55) T	Dibenzofuran	1.628	1.752	1.704	1.530	1.521	1.627	6.31
56) M	2,4-Dinitrotoluene	0.365	0.444	0.447	0.425	0.436	0.423	7.98
57) MP	4-Nitrophenol	0.167	0.193	0.199	0.191	0.198	0.190	6.89#
58) T	Pentachlobenzene	0.368	0.412	0.389	0.354	0.354	0.375	6.67
59) T	2-Naphthylamine	0.925	1.017	0.982	0.858	0.894	0.935	6.89
60) T	Fluorene	1.228	1.335	1.243	1.078	1.050	1.187	10.09
61) T	4-Chlorophenyl-phenyl	0.495	0.556	0.524	0.469	0.461	0.501	7.85
62) T	Diethylphthalate	1.367	1.515	1.471	1.339	1.378	1.414	5.31
63) T	1-Naphthylamine	0.871	0.971	0.921	0.809	0.817	0.878	7.85
64) T	2,3,4,6-Tetrachloroph	0.232	0.277	0.275	0.256	0.260	0.260	6.99
65) T	4-Nitroaniline	0.382	0.450	0.452	0.429	0.439	0.430	6.69
66) S	2,4,6-Tribromophenol	0.134	0.154	0.151	0.142	0.145	0.145	5.45
67) I	Phenanthrene-d10	-----ISTD-----						
68) T	4,6-Dinitro-2-methylp	0.101	0.146	0.164	0.166	0.160	0.148	18.36
69) T	Diphenylamine	1.486	1.608	1.538	1.326	1.253	1.442	10.27
70) TC	N-Nitrosodiphenylamin	1.486	1.608	1.538	1.326	1.253	1.442	10.27
71) T	4-Bromophenyl-phenyle	0.208	0.222	0.215	0.197	0.193	0.207	5.93
72) T	Phenacetin	0.544	0.624	0.627	0.574	0.560	0.586	6.43
73) T	Hexachlorobenzene	0.224	0.248	0.234	0.212	0.211	0.226	6.92
74) MC	Pentachlorophenol	0.126	0.160	0.165	0.155	0.154	0.152	9.97
75) T	4-Aminobiphenyl	1.486	1.608	1.538	1.326	1.253	1.442	10.27
76) T	Pronamide	0.394	0.472	0.460	0.421	0.427	0.435	7.21
77) T	Phenanthrene	1.220	1.361	1.289	1.157	1.154	1.236	7.18
78) T	Anthracene	1.233	1.375	1.313	1.171	1.169	1.252	7.22
79) T	Pentachloronitrobenze	0.036	0.043	0.042	0.041	0.039	0.040	6.67
80) TC	Di-n-butylphthalate	1.705	2.006	1.946	1.761	1.754	1.834	7.24
81) TC	Fluoranthene	1.089	1.249	1.228	1.140	1.165	1.174	5.56

(#) = Out of Range

MEBNA.M

Fri Jan 19 15:28:48 1996

HP LASERJET 4 PLUS ON RPT

Response Factor Report 5972 - 35

Method : C:\HPCHEM\1\METHODS\MEBNA.M
 Title : Method 8270
 Last Update : Fri Jan 19 10:39:21 1996
 Response via : Initial Calibration

Calibration Files

20 =SV0089.D 50 =SV0088.D 80 =SV0091.D
 120 =SV0092.D 160 =SV0090.D

Compound		20	50	80	120	160	Avg	%RSD
82) I	Chrysene-d12	-----ISTD-----						
83) T	Benzidine	1.012	1.007	0.926	1.015	0.840	0.960	7.96
84) M	Pyrene	1.990	1.714	1.510	1.753	1.407	1.675	13.55
85) S	Terphenyl-d14	1.196	1.050	0.953	1.077	0.857	1.027	12.50
86) T	P-(dimethylamino) azo	0.663	0.600	0.543	0.613	0.477	0.579	12.36
87) T	Butylbenzylphthalate	1.152	1.083	0.975	1.105	0.847	1.032	11.86
88) T	3,3'-Dichlorobenzidin	0.595	0.552	0.539	0.587	0.530	0.561	5.16
89) T	Benzo[a]anthracene	1.593	1.395	1.323	1.416	1.261	1.397	8.96
90) T	Chrysene	1.576	1.350	1.277	1.409	1.318	1.386	8.43
91) T	bis(2-Ethylhexyl)phth	1.549	1.526	1.346	1.529	1.201	1.430	10.64
92) I	Perylene-d12	-----ISTD-----						
93) TC	Di-n-octylphthalate	2.906	2.123	2.046	2.305	2.023	2.281	16.09
94) T	Benzo[b]fluoranthene	1.735	1.427	1.314	1.503	1.618	1.520	10.77
95) T	Benzo[k]fluoranthene	1.697	1.243	1.336	1.475	1.132	1.377	15.90
96) T	7,12-Dimethylbenz(a)a	0.583	0.378	0.421	0.465	0.424	0.454	17.28
97) TC	Benzo[a]pyrene	1.538	1.344	1.312	1.490	1.360	1.409	7.02
98) T	3-Methylchlolanthrene	0.737	0.722	0.667	0.770	0.691	0.718	5.61
99) T	Dibenzo(a,j) acridine	1.206	1.343	1.025	1.239	0.992	1.161	12.78
100) T	Indeno[1,2,3-cd]pyren	1.366	1.517	1.159	1.380	1.264	1.337	10.04
101) T	Dibenz[a,h]anthracene	1.384	1.470	1.119	1.341	1.073	1.278	13.53
102) T	Benzo[g,h,i]perylene	1.464	1.613	1.174	1.396	1.088	1.347	15.91

(#) = Out of Range

MEBNA.M

Fri Jan 19 15:28:53 1996

HP LASERJET 4 PRINTING RPT

Quantitation Report

Data File : C:\HPCHEM\1\DATA\JAN1895\SV0090.D
 Acq On : 18 Jan 96 11:37 am
 Sample : SSTD160
 Misc :
 Quant Time: Jan 18 13:25 1996

Vial: 4
 Operator:
 Inst : 5972 - 35
 Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\MEBNA.M
 Title : Method 8270
 Last Update : Thu Jan 18 13:47:59 1996
 Response via : Single Level Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.63	152	221494	40.00	ug/L	0.00
20) Naphthalene-d8	7.07	136	734151	40.00	ug/L	0.03
40) Acenaphthene-d10	9.82	164	401196	40.00	ug/L	0.02
67) Phenanthrene-d10	12.59	188	547515	40.00	ug/L	0.03
82) Chrysene-d12	17.90	240	469246	40.00	ug/L	0.03
92) Perylene-d12	20.99	264	606839	40.00	ug/L	0.04

System Monitoring Compounds						%Recovery
5) 2-Fluorophenol	4.51	112	1320256	128.14	ug/L	64.07%
7) Phenol-d5	5.29	99	1448877	121.49	ug/L	60.74%
22) Nitrobenzene-d5	6.22	82	1109525	134.76	ug/L	134.76%
44) 2-Fluorobiphenyl	8.65	172	1925383	134.68	ug/L	134.68%
66) 2,4,6-Tribromophenol	11.29	330	232099	143.29	ug/L	71.64%
85) Terphenyl-d14	15.81	244	1609195	126.94	ug/L	126.94%

Target Compounds						Qvalue
2) N-nitrosodimethylamine	2.85	42	721391	126.09	ug/L	98
3) 2-Picoline	3.90	93	1455211	130.69	ug/L	95
4) Methyl methanesulfonate	4.38	80	713747	124.60	ug/L	99
6) bis(2-Chloroethyl) ether	5.40	93	1281991	129.78	ug/L	100
8) Phenol	5.31	94	1449691	122.76	ug/L	98
9) 2-Chlorophenol	5.46	128	1164339	133.43	ug/L	95
10) 1,3-Dichlorobenzene	5.60	146	1276556	129.10	ug/L	100
11) 1,4-Dichlorobenzene	5.65	146	1229569	131.26	ug/L	99
12) 1,2-Dichlorobenzene	5.84	146	1186997	131.81	ug/L	99
13) Aniline	5.35	93	1774793	121.94	ug/L	99
14) Benzyl alcohol	5.76	108	751115	134.61	ug/L	97
15) bis(2-chloroisopropyl) ethe	5.91	45	1800931	127.19	ug/L	99
16) 2-Methylphenol	5.86	108	1043925	126.40	ug/L	99
17) 4-Methylphenol	6.01	108	1085238	126.51	ug/L	100
18) Hexachloroethane	6.16	117	538083	133.56	ug/L	96
19) N-Nitroso-di-n-propylamine	6.07	70	817388	125.24	ug/L	87
21) Acetophenone	6.04	105	1500030	127.87	ug/L	100
23) Nitrobenzene	6.25	77	1130278	133.27	ug/L	88
24) N-nitrosopiperidine	6.41	114	608373	97.51	ug/L	100
25) Isophorone	6.50	82	2119648	131.48	ug/L	94
26) 2-Nitrophenol	6.60	139	686465	132.61	ug/L	98
27) 2,4-Dimethylphenol	6.60	107	940419	126.92	ug/L	97
28) Benzoic Acid	6.71	122	692275	158.42	ug/L	100
29) bis(2-Chloroethoxy) methane	6.73	93	1459352	132.36	ug/L	100
30) 2,4-Dichlorophenol	6.88	162	851855	138.44	ug/L	96
31) 1,1-Dimethylphenethylamine	6.94	58	2995209	133.41	ug/L	100

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

Quantitation Report

Data File : C:\HPCHEM\1\DATA\JAN1895\SV0090.D
 Acq On : 18 Jan 96 11:37 am
 Sample : SSTD160
 Misc :
 Quant Time: Jan 18 13:25 1996

Vial: 4
 Operator:
 Inst : 5972 - 35
 Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\MEBNA.M
 Title : Method 8270
 Last Update : Thu Jan 18 13:47:59 1996
 Response via : Single Level Calibration

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
32) 1,2,4-Trichlorobenzene	7.01	180	895479	139.46	ug/L	98
33) Naphthalene	7.09	128	2879481	129.86	ug/L	99
34) 4-Chloroaniline	7.15	127	1205721	132.29	ug/L	99
35) Hexachlorobutadiene	7.32	225	409991	136.11	ug/L	98
36) 2,6-Dichlorophenol	7.17	162	867707	138.31	ug/L	100
37) 4-Chloro-3-methylphenol	7.79	107	924921	141.46	ug/L	95
38) N-nitrosodibutylamine	7.63	84	712246	138.03	ug/L	98
39) 2-Methylnaphthalene	8.05	142	1480304	133.91	ug/L	96
41) Hexachlorocyclopentadiene	8.41	237	135708	156.77	ug/L	98
42) 2,4,6-Trichlorophenol	8.52	196	460568	146.35	ug/L	99
43) 2,4,5-Trichlorophenol	8.58	196	543238	136.36	ug/L	97
45) 2-Chloronaphthalene	8.83	162	1733518	132.60	ug/L	99
46) 1,2,4,5-Tetrachlorobenzen	8.38	216	689569	133.42	ug/L	99
47) 2-Nitroaniline	9.03	65	600665	146.88	ug/L	98
48) Acenaphthylene	9.55	152	1835003	136.83	ug/L	99
49) Dimethylphthalate	9.40	163	2098684	140.88	ug/L	99
50) 2,6-Dinitrotoluene	9.53	165	507303	160.10	ug/L	95
51) Acenaphthene	9.88	153	1659931	131.27	ug/L	99
52) 1-Chloronaphthalene	8.89	162	1648145	136.69	ug/L	99
53) 3-Nitroaniline	9.76	138	654396	154.92	ug/L	96
54) 2,4-Dinitrophenol	9.95	184	280912	233.77	ug/L	91
55) Dibenzofuran	10.16	168	2441130	136.63	ug/L	98
56) 2,4-Dinitrotoluene	10.23	165	699830	168.12	ug/L	94
57) 4-Nitrophenol	10.03	109	318487	158.77	ug/L	93
58) Pentachlorobenzene	10.21	250	568819	136.49	ug/L	98
59) 2-Naphthylamine	10.32	143	1435226	141.92	ug/L	99
60) Fluorene	10.80	166	1685106	126.22	ug/L	99
61) 4-Chlorophenyl-phenylether	10.80	204	739754	129.97	ug/L	93
62) Diethylphthalate	10.70	149	2211736	143.45	ug/L	100
63) 1-Naphthylamine	10.45	143	1311741	134.45	ug/L	98
64) 2,3,4,6-Tetrachlorophenol	10.46	232	418017	149.25	ug/L	100
65) 4-Nitroaniline	10.90	138	704526	157.49	ug/L	97
68) 4,6-Dinitro-2-methylphenol	10.98	198	351190	204.13	ug/L	100
69) Diphenylamine	11.04	169	2744888	124.02	ug/L	99
70) N-Nitrosodiphenylamine	11.04	169	2744888	124.02	ug/L	99
71) 4-Bromophenyl-phenylether	11.73	248	421703	134.87	ug/L	97
72) Phenacetin	11.70	108	1225854	144.61	ug/L	99
73) Hexachlorobenzene	12.01	284	461380	132.67	ug/L	98
74) Pentachlorophenol	12.35	266	337674	148.78	ug/L	98
75) 4-Aminobiphenyl	11.04	169	2744888	124.02	ug/L	100
76) Pronamide	12.45	173	934898	144.67	ug/L	100
77) Phenanthrene	12.64	178	2528377	134.80	ug/L	99

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

Quantitation Report

Data File : C:\HPCHEM\1\DATA\JAN1895\SV0090.D
 Acq On : 18 Jan 96 11:37 am
 Sample : SSTD160
 Misc :
 Quant Time: Jan 18 13:25 1996

Vial: 4
 Operator:
 Inst : 5972 - 35
 Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\MEBNA.M
 Title : Method 8270
 Last Update : Thu Jan 18 13:47:59 1996
 Response via : Single Level Calibration

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
78) Anthracene	12.72	178	2560814	136.91	ug/L	99
79) Pentachloronitrobenzene	12.52	295	84879	142.47	ug/L	88
80) Di-n-butylphthalate	13.89	149	3841803	138.34	ug/L	100
81) Fluoranthene	15.00	202	2551488	145.78	ug/L	93
83) Benzidine	15.29	184	1577510	127.21	ug/L	100
84) Pyrene	15.44	202	2640661	128.54	ug/L	94
86) P-(dimethylamino) azobenze	16.12	120	894754	126.25	ug/L	99
87) Butylbenzylphthalate	16.88	149	1589647	129.77	ug/L	95
88) 3,3'-Dichlorobenzidine	17.86	252	995420	156.08	ug/L	97
89) Benzo[a]anthracene	17.87	228	2366614	146.80	ug/L	99
90) Chrysene	17.96	228	2474148	157.95	ug/L	99
91) bis(2-Ethylhexyl)phthalate	18.11	149	2254060	132.30	ug/L	98
93) Di-n-octylphthalate	19.31	149	4910244	176.02	ug/L	100
94) Benzo[b]fluoranthene	20.09	252	3928597	195.78	ug/L	97
95) Benzo[k]fluoranthene	20.16	252	2747429	139.77	ug/L m	96
96) 7,12-Dimethylbenz(a)anthar	20.15	256	1030063	184.57	ug/L	100
97) Benzo[a]pyrene	20.87	252	3301166	160.31	ug/L	95
98) 3-Methylchlolanthrene	21.92	268	1677083	149.93	ug/L	98
99) Dibenzo(a,j) acridine	23.74	279	2408047	111.84	ug/L	100
100) Indeno[1,2,3-cd]pyrene	24.38	276	3068230	126.33	ug/L	99
101) Dibenz[a,h]anthracene	24.48	278	2605210	109.20	ug/L	99
102) Benzo[g,h,i]perylene	25.38	276	2641370	99.58	ug/L	96

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

Quantitation Report

Data File : C:\HPCHEM\1\DATA\JAN1895\SV0088.D
 Acq On : 18 Jan 96 10:08 am
 Sample : SSTD50
 Misc :
 Quant Time: Jan 18 10:35 1996

Vial: 2
 Operator:
 Inst : 5972 - 35
 Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\MEBNA.M
 Title : Method 8270
 Last Update : Fri Jan 12 11:26:40 1996
 Response via : Single Level Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.63	152	239581	40.00	ug/L	0.00
20) Naphthalene-d8	7.06	136	822544	40.00	ug/L	0.02
40) Acenaphthene-d10	9.83	164	435345	40.00	ug/L	0.03
67) Phenanthrene-d10	12.59	188	553496	40.00	ug/L	0.03
82) Chrysene-d12	17.90	240	430420	40.00	ug/L	0.03
92) Perylene-d12	20.98	264	518861	40.00	ug/L	0.03

System Monitoring Compounds						%Recovery
5) 2-Fluorophenol	4.48	112	532278	47.76	ug/L	23.88%
7) Phenol-d5	5.28	99	620340	48.09	ug/L	24.04%
22) Nitrobenzene-d5	6.21	82	445897	48.34	ug/L	48.34%
44) 2-Fluorobiphenyl	8.65	172	772927	49.83	ug/L	49.83%
66) 2,4,6-Tribromophenol	11.29	330	83911	47.74	ug/L	23.87%
85) Terphenyl-d14	15.80	244	564970	48.59	ug/L	48.59%

Target Compounds						Qvalue
2) N-nitrosodimethylamine	2.78	42	291595	47.12	ug/L	98
3) 2-Picoline	3.87	93	590335	49.01	ug/L	94
4) Methyl methanesulfonate	4.35	80	299876	48.40	ug/L	96
6) bis(2-Chloroethyl) ether	5.39	93	531401	49.73	ug/L	100
8) Phenol	5.29	94	630616	49.37	ug/L	96
9) 2-Chlorophenol	5.45	128	477825	50.63	ug/L	99
10) 1,3-Dichlorobenzene	5.59	146	509312	47.62	ug/L	100
11) 1,4-Dichlorobenzene	5.64	146	513101	50.64	ug/L	100
12) 1,2-Dichlorobenzene	5.83	146	485137	49.80	ug/L	99
13) Aniline	5.34	93	731525	46.47	ug/L	100
14) Benzyl alcohol	5.76	108	305081	50.55	ug/L	91
15) bis(2-chloroisopropyl) ethe	5.91	45	723247	47.22	ug/L	98
16) 2-Methylphenol	5.87	108	437754	49.00	ug/L	100
17) 4-Methylphenol	6.00	108	445597	48.02	ug/L	100
18) Hexachloroethane	6.15	117	214943	49.33	ug/L	85
19) N-Nitroso-di-n-propylamine	6.06	70	341501	48.37	ug/L	88
21) Acetophenone	6.04	105	642345	48.87	ug/L	100
23) Nitrobenzene	6.23	77	470418	49.51	ug/L	97
24) N-nitrosopiperidine	6.40	114	239873	34.32	ug/L	100
25) Isophorone	6.48	82	871320	48.24	ug/L	99
26) 2-Nitrophenol	6.60	139	292879	50.50	ug/L	92
27) 2,4-Dimethylphenol	6.59	107	402541	48.49	ug/L	94
28) Benzoic Acid	6.67	122	231133	47.21	ug/L	100
29) bis(2-Chloroethoxy) methane	6.72	93	592628	47.97	ug/L	100
30) 2,4-Dichlorophenol	6.86	162	337762	48.99	ug/L	100
31) 1,1-Dimethylphenethylamine	6.90	58	1156991	45.99	ug/L	100

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

Quantitation Report

Data File : C:\HPCHEM\1\DATA\JAN1895\SV0088.D
 Acq On : 18 Jan 96 10:08 am
 Sample : SSTD50
 Misc :
 Quant Time: Jan 18 10:35 1996

Vial: 2
 Operator:
 Inst : 5972 - 35
 Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\MEBNA.M
 Title : Method 8270
 Last Update : Fri Jan 12 11:26:40 1996
 Response via : Single Level Calibration

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
32) 1,2,4-Trichlorobenzene	7.00	180	353777	49.18	ug/L	100
33) Naphthalene	7.09	128	1245231	50.12	ug/L	100
34) 4-Chloroaniline	7.15	127	494509	48.43	ug/L	100
35) Hexachlorobutadiene	7.32	225	161762	47.93	ug/L	98
36) 2,6-Dichlorophenol	7.17	162	349110	49.67	ug/L	99
37) 4-Chloro-3-methylphenol	7.79	107	359381	49.06	ug/L	95
38) N-nitrosodibutylamine	7.63	84	284197	49.16	ug/L	97
39) 2-Methylnaphthalene	8.05	142	615553	49.70	ug/L	97
41) Hexachlorocyclopentadiene	8.41	237	47753	50.84	ug/L	99
42) 2,4,6-Trichlorophenol	8.52	196	164351	48.13	ug/L	98
43) 2,4,5-Trichlorophenol	8.58	196	208975	48.34	ug/L	97
45) 2-Chloronaphthalene	8.83	162	701703	49.46	ug/L	99
46) 1,2,4,5-Teterachlorobenzen	8.38	216	271981	48.50	ug/L	98
47) 2-Nitroaniline	9.03	65	212731	47.94	ug/L	97
48) Acenaphthylene	9.55	152	729596	50.14	ug/L	99
49) Dimethylphthalate	9.40	163	795575	49.22	ug/L	99
50) 2,6-Dinitrotoluene	9.52	165	178267	51.84	ug/L	94
51) Acenaphthene	9.88	153	688868	50.20	ug/L	100
52) 1-Chloronaphthalene	8.89	162	671135	51.29	ug/L	99
53) 3-Nitroaniline	9.76	138	235971	51.48	ug/L	97
54) 2,4-Dinitrophenol	9.95	184	73823	56.62	ug/L #	81
55) Dibenzofuran	10.16	168	953603	49.19	ug/L	96
56) 2,4-Dinitrotoluene	10.22	165	241518	53.47	ug/L	84
57) 4-Nitrophenol	10.02	109	104787	48.14	ug/L	95
58) Pentachlorobenzene	10.21	250	224319	49.60	ug/L	99
59) 2-Naphthylamine	10.30	143	553196	50.41	ug/L	99
60) Fluorene	10.80	166	726655	50.16	ug/L	96
61) 4-Chlorophenyl-phenylether	10.80	204	302530	48.98	ug/L	98
62) Diethylphthalate	10.70	149	824551	49.29	ug/L	99
63) 1-Naphthylamine	10.44	143	528536	49.92	ug/L	99
64) 2,3,4,6-Tetrachlorophenol	10.46	232	150578	49.55	ug/L	100
65) 4-Nitroaniline	10.88	138	244621	50.39	ug/L	93
68) 4,6-Dinitro-2-methylphenol	10.97	198	101234	58.21	ug/L	100
69) Diphenylamine	11.03	169	1112728	49.73	ug/L	98
70) N-Nitrosodiphenylamine	11.03	169	1112728	49.73	ug/L	99
71) 4-Bromophenyl-phenylether	11.72	248	153774	48.65	ug/L #	89
72) Phenacetin	11.68	108	431469	50.35	ug/L	100
73) Hexachlorobenzene	12.01	284	171404	48.75	ug/L	97
74) Pentachlorophenol	12.34	266	110741	48.27	ug/L	98
75) 4-Aminobiphenyl	11.03	169	1112728	49.73	ug/L	99
76) Pronamide	12.45	173	326230	49.94	ug/L	98
77) Phenanthrene	12.64	178	941580	49.66	ug/L	99

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

Quantitation Report

Data File : C:\HPCHEM\1\DATA\JAN1895\SV0088.D
 Acq On : 18 Jan 96 10:08 am
 Sample : SST50
 Misc :
 Quant Time: Jan 18 10:35 1996

Vial: 2
 Operator:
 Inst : 5972 - 35
 Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\MEBNA.M
 Title : Method 8270
 Last Update : Fri Jan 12 11:26:40 1996
 Response via : Single Level Calibration

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
78) Anthracene	12.72	178	951153	50.30	ug/L	100
79) Pentachloronitrobenzene	12.51	295	29839	49.54	ug/L	91
80) Di-n-butylphthalate	13.89	149	1388120	49.45	ug/L	100
81) Fluoranthene	14.99	202	864273	48.85	ug/L	96
83) Benzidine	15.29	184	542036	47.65	ug/L	100
84) Pyrene	15.45	202	922240	48.94	ug/L	94
86) P-(dimethylamino) azobenze	16.12	120	322745	49.65	ug/L	97
87) Butylbenzylphthalate	16.88	149	582864	51.87	ug/L	97
88) 3,3'-Dichlorobenzidine	17.86	252	296955	50.76	ug/L	99
89) Benzo[a]anthracene	17.86	228	750434	50.75	ug/L	99
90) Chrysene	17.94	228	726549	50.57	ug/L	99
91) bis(2-Ethylhexyl)phthalate	18.11	149	820793	52.52	ug/L	97
93) Di-n-octylphthalate	19.31	149	1376927	57.73	ug/L	100
94) Benzo[b]fluoranthene	20.06	252	925513	53.94	ug/L	99
95) Benzo[k]fluoranthene	20.12	252	806394	47.98	ug/L	99
96) 7,12-Dimethylbenz(a)anthar	20.11	256	244917	51.33	ug/L	100
97) Benzo[a]pyrene	20.84	252	871897	49.52	ug/L	98
98) 3-Methylchlolanthrene	21.90	268	468436	48.98	ug/L	99
99) Dibenzo(a,j)acridine	23.72	279	870860	47.30	ug/L	100
100) Indeno[1,2,3-cd]pyrene	24.35	276	983808	47.38	ug/L	99
101) Dibenz[a,h]anthracene	24.44	278	953722	46.75	ug/L	99
102) Benzo[g,h,i]perylene	25.35	276	1045989	46.12	ug/L	99

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

Quantitation Report

Data File : C:\HPCHEM\1\DATA\JAN1895\SV0088.D
 Acq On : 18 Jan 96 10:08 am
 Sample : SSTD50
 Misc :
 Quant Time: Jan 18 10:35 1996

Vial: 2
 Operator:
 Inst : 5972 - 35
 Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\MEBNA.M
 Title : Method 8270
 Last Update : Fri Jan 12 11:26:40 1996
 Response via : Single Level Calibration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\JAN1895\SV0088.D
Acq On : 18 Jan 96 10:08 am
Sample : SSTD50
Misc :
Quant Time: Jan 18 10:35 1996

Vial: 2
Operator:
Inst : 5972 - 35
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\MEBNA.M
Title : Method 8270
Last Update : Fri Jan 12 11:26:40 1996
Response via : Single Level Calibration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\JAN1895\SV0089.D
 Acq On : 18 Jan 96 10:52 am
 Sample : SSTD20
 Misc :
 Quant Time: Jan 18 11:19 1996

Vial: 3
 Operator:
 Inst : 5972 - 35
 Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\MEBNA.M
 Title : Method 8270
 Last Update : Fri Jan 12 11:26:40 1996
 Response via : Single Level Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.63	152	314388	40.00	ug/L	0.01
20) Naphthalene-d8	7.06	136	1033023	40.00	ug/L	0.02
40) Acenaphthene-d10	9.82	164	523445	40.00	ug/L	0.02
67) Phenanthrene-d10	12.58	188	665519	40.00	ug/L	0.02
82) Chrysene-d12	17.89	240	397114	40.00	ug/L	0.02
92) Perylene-d12	20.97	264	340327	40.00	ug/L	0.02

System Monitoring Compounds						%Recovery
5) 2-Fluorophenol	4.50	112	253803	17.35	ug/L	8.68%
7) Phenol-d5	5.28	99	295368	17.45	ug/L	8.72%
22) Nitrobenzene-d5	6.21	82	202043	17.44	ug/L	17.44%
44) 2-Fluorobiphenyl	8.65	172	347186	18.61	ug/L	18.61%
66) 2,4,6-Tribromophenol	11.28	330	35092	16.60	ug/L	8.30%
85) Terphenyl-d14	15.79	244	237478	22.14	ug/L	22.14%

Target Compounds						Qvalue
2) N-nitrosodimethylamine	2.84	42	134807	16.60	ug/L	100
3) 2-Picoline	3.89	93	273766	17.32	ug/L	94
4) Methyl methanesulfonate	4.37	80	137032	16.85	ug/L	96
6) bis(2-Chloroethyl) ether	5.39	93	259578	18.51	ug/L	99
8) Phenol	5.30	94	297149	17.73	ug/L	95
9) 2-Chlorophenol	5.45	128	222762	17.99	ug/L	99
10) 1,3-Dichlorobenzene	5.59	146	241532	17.21	ug/L	99
11) 1,4-Dichlorobenzene	5.64	146	245161	18.44	ug/L	98
12) 1,2-Dichlorobenzene	5.83	146	230972	18.07	ug/L	99
13) Aniline	5.34	93	341589	16.53	ug/L	99
14) Benzyl alcohol	5.75	108	141282	17.84	ug/L	98
15) bis(2-chloroisopropyl) ethe	5.91	45	335548	16.70	ug/L	92
16) 2-Methylphenol	5.86	108	203534	17.36	ug/L	98
17) 4-Methylphenol	6.00	108	207640	17.05	ug/L	100
18) Hexachloroethane	6.15	117	99177	17.34	ug/L	90
19) N-Nitroso-di-n-propylamine	6.05	70	159710	17.24	ug/L	95
21) Acetophenone	6.03	105	300371	18.20	ug/L	100
23) Nitrobenzene	6.24	77	220114	18.44	ug/L	93
24) N-nitrosopiperidine	6.40	114	106559	12.14	ug/L	100
25) Isophorone	6.49	82	409912	18.07	ug/L	94
26) 2-Nitrophenol	6.59	139	129627	17.80	ug/L	95
27) 2,4-Dimethylphenol	6.59	107	188380	18.07	ug/L	96
28) Benzoic Acid	6.65	122	83542	13.59	ug/L	100
29) bis(2-Chloroethoxy) methane	6.72	93	274015	17.66	ug/L	100
30) 2,4-Dichlorophenol	6.87	162	151252	17.47	ug/L	94
31) 1,1-Dimethylphenethylamine	6.87	58	497599	15.75	ug/L	100

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

Quantitation Report

Data File : C:\HPCHEM\1\DATA\JAN1895\SV0089.D
 Acq On : 18 Jan 96 10:52 am
 Sample : SSTD20
 Misc :
 Quant Time: Jan 18 11:19 1996

Vial: 3
 Operator:
 Inst : 5972 - 35
 Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\MEBNA.M
 Title : Method 8270
 Last Update : Fri Jan 12 11:26:40 1996
 Response via : Single Level Calibration

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
32) 1,2,4-Trichlorobenzene	7.00	180	162979	18.04	ug/L	99
33) Naphthalene	7.08	128	582570	18.67	ug/L	99
34) 4-Chloroaniline	7.15	127	227447	17.73	ug/L	98
35) Hexachlorobutadiene	7.31	225	73953	17.45	ug/L	98
36) 2,6-Dichlorophenol	7.16	162	162361	18.39	ug/L	99
37) 4-Chloro-3-methylphenol	7.78	107	161034	17.50	ug/L	99
38) N-nitrosodibutylamine	7.62	84	128501	17.70	ug/L	97
39) 2-Methylnaphthalene	8.05	142	284180	18.27	ug/L	99
41) Hexachlorocyclopentadiene	8.40	237	19578	17.33	ug/L	98
42) 2,4,6-Trichlorophenol	8.51	196	72014	17.54	ug/L	97
43) 2,4,5-Trichlorophenol	8.57	196	90421	17.40	ug/L	98
45) 2-Chloronaphthalene	8.82	162	311812	18.28	ug/L	99
46) 1,2,4,5-Tetrachlorobenzen	8.38	216	123255	18.28	ug/L	99
47) 2-Nitroaniline	9.02	65	91690	17.18	ug/L	97
48) Acenaphthylene	9.54	152	322047	18.41	ug/L	99
49) Dimethylphthalate	9.39	163	347943	17.90	ug/L	99
50) 2,6-Dinitrotoluene	9.51	165	71945	17.40	ug/L	92
51) Acenaphthene	9.87	153	297857	18.05	ug/L	99
52) 1-Chloronaphthalene	8.88	162	302106	19.20	ug/L	97
53) 3-Nitroaniline	9.75	138	98074	17.80	ug/L	96
54) 2,4-Dinitrophenol	9.94	184	22089	14.09	ug/L #	72
55) Dibenzofuran	10.15	168	425961	18.27	ug/L	95
56) 2,4-Dinitrotoluene	10.21	165	95513	17.59	ug/L	93
57) 4-Nitrophenol	10.01	109	43774	16.73	ug/L	93
58) Pentachlorobenzene	10.20	250	96242	17.70	ug/L	99
59) 2-Naphthylamine	10.29	143	242082	18.35	ug/L	97
60) Fluorene	10.79	166	321353	18.45	ug/L	97
61) 4-Chlorophenyl-phenylether	10.79	204	129671	17.46	ug/L	98
62) Diethylphthalate	10.69	149	357781	17.79	ug/L	99
63) 1-Naphthylamine	10.43	143	228027	17.91	ug/L	98
64) 2,3,4,6-Tetrachlorophenol	10.45	232	60622	16.59	ug/L	100
65) 4-Nitroaniline	10.87	138	99855	17.11	ug/L	92
68) 4,6-Dinitro-2-methylphenol	10.96	198	33630	16.08	ug/L	100
69) Diphenylamine	11.02	169	494624	18.39	ug/L	99
70) N-Nitrosodiphenylamine	11.02	169	494624	18.39	ug/L	99
71) 4-Bromophenyl-phenylether	11.72	248	69177	18.20	ug/L	98
72) Phenacetin	11.66	108	180980	17.56	ug/L	100
73) Hexachlorobenzene	12.00	284	74516	17.63	ug/L	96
74) Pentachlorophenol	12.33	266	41972	15.21	ug/L	98
75) 4-Aminobiphenyl	11.02	169	494624	18.39	ug/L	98
76) Pronamide	12.44	173	130968	16.67	ug/L	98
77) Phenanthrene	12.61	178	406008	17.81	ug/L	99

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

Quantitation Report

Data File : C:\HPCHEM\1\DATA\JAN1895\SV0089.D
 Acq On : 18 Jan 96 10:52 am
 Sample : SSTD20
 Misc :
 Quant Time: Jan 18 11:19 1996

Vial: 3
 Operator:
 Inst : 5972 - 35
 Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\MEBNA.M
 Title : Method 8270
 Last Update : Fri Jan 12 11:26:40 1996
 Response via : Single Level Calibration

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
78) Anthracene	12.71	178	410139	18.04	ug/L	98
79) Pentachloronitrobenzene	12.50	295	12123	16.74	ug/L	85
80) Di-n-butylphthalate	13.88	149	567321	16.81	ug/L	99
81) Fluoranthene	14.98	202	362428	17.04	ug/L	97
83) Benzidine	15.28	184	200887	19.14	ug/L	100
84) Pyrene	15.44	202	395044	22.72	ug/L	95
86) P-(dimethylamino) azobenze	16.11	120	131737	21.96	ug/L	96
87) Butylbenzylphthalate	16.88	149	228782	22.07	ug/L	96
88) 3,3'-Dichlorobenzidine	17.85	252	118167	21.89	ug/L	97
89) Benzo[a]anthracene	17.85	228	316227	23.18	ug/L	99
90) Chrysene	17.93	228	313005	23.61	ug/L	99
91) bis(2-Ethylhexyl)phthalate	18.10	149	307588	21.33	ug/L	95
93) Di-n-octylphthalate	19.30	149	494566	31.61	ug/L	99
94) Benzo[b]fluoranthene	20.05	252	295233	26.23	ug/L	98
95) Benzo[k]fluoranthene	20.10	252	288761	26.19	ug/L	98
96) 7,12-Dimethylbenz(a)anthar	20.10	256	99252	31.71	ug/L	100
97) Benzo[a]pyrene	20.81	252	261727	22.66	ug/L	98
98) 3-Methylchlolanthrene	21.86	268	125468	20.00	ug/L	99
99) Dibenzo(a,j) acridine	23.67	279	205258	17.00	ug/L	100
100) Indeno[1,2,3-cd]pyrene	24.30	276	232441	17.07	ug/L	98
101) Dibenz[a,h]anthracene	24.40	278	235571	17.61	ug/L	99
102) Benzo[g,h,i]perylene	25.29	276	249094	16.75	ug/L	96

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

SV0089.D MEBNA.M Thu Jan 18 11:22:44 1996 HP LASERJET 4 PPSseON LE

Quantitation Report

Data File : C:\HPCHEM\1\DATA\JAN1895\SV0089.D
 Acq On : 18 Jan 96 10:52 am
 Sample : SSTD20
 Misc :
 Quant Time: Jan 18 11:19 1996

Vial: 3
 Operator:
 Inst : 5972 - 35
 Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\MEBNA.M
 Title : Method 8270
 Last Update : Fri Jan 12 11:26:40 1996
 Response via : Single Level Calibration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\JAN1895\SV0089.D
Acq On : 18 Jan 96 10:52 am
Sample : SSTD20
Misc :
Quant Time: Jan 18 11:19 1996

Vial: 3
Operator:
Inst : 5972 - 35
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\MEBNA.M
Title : Method 8270
Last Update : Fri Jan 12 11:26:40 1996
Response via : Single Level Calibration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\JAN1895\SV0090.D
 Acq On : 18 Jan 96 11:37 am
 Sample : SSTD160
 Misc :
 Quant Time: Jan 18 13:25 1996

Vial: 4
 Operator:
 Inst : 5972 - 35
 Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\MEBNA.M
 Title : Method 8270
 Last Update : Thu Jan 18 13:47:59 1996
 Response via : Single Level Calibration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\JAN1895\SV0090.D
Acq On : 18 Jan 96 11:37 am
Sample : SSTD160
Misc :
Quant Time: Jan 18 13:25 1996

Vial: 4
Operator:
Inst : 5972 - 35
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\MEBNA.M
Title : Method 8270
Last Update : Thu Jan 18 13:47:59 1996
Response via : Single Level Calibration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\JAN1895\SV0091.D
 Acq On : 18 Jan 96 12:22 pm
 Sample : SSTD80
 Misc :
 Quant Time: Jan 18 12:49 1996

Vial: 5
 Operator:
 Inst : 5972 - 35
 Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\MEBNA.M
 Title : Method 8270
 Last Update : Fri Jan 12 11:26:40 1996
 Response via : Single Level Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.64	152	244036	40.00	ug/L	0.02
20) Naphthalene-d8	7.07	136	829362	40.00	ug/L	0.03
40) Acenaphthene-d10	9.83	164	437943	40.00	ug/L	0.03
67) Phenanthrene-d10	12.59	188	563519	40.00	ug/L	0.03
82) Chrysene-d12	17.90	240	479277	40.00	ug/L	0.03
92) Perylene-d12	20.98	264	570794	40.00	ug/L	0.03

System Monitoring Compounds						%Recovery
5) 2-Fluorophenol	4.51	112	827951	72.93	ug/L	36.47%
7) Phenol-d5	5.29	99	953628	72.57	ug/L	36.29%
22) Nitrobenzene-d5	6.22	82	705041	75.80	ug/L	75.80%
44) 2-Fluorobiphenyl	8.66	172	1190525	76.29	ug/L	76.29%
66) 2,4,6-Tribromophenol	11.29	330	132303	74.82	ug/L	37.41%
85) Terphenyl-d14	15.81	244	913372	70.54	ug/L	70.54%

Target Compounds						Qvalue
2) N-nitrosodimethylamine	2.87	42	434234	68.89	ug/L	98
3) 2-Picoline	3.90	93	917370	74.78	ug/L	95
4) Methyl methanesulfonate	4.38	80	456502	72.33	ug/L	99
6) bis(2-Chloroethyl) ether	5.40	93	826858	75.97	ug/L	99
8) Phenol	5.31	94	952872	73.23	ug/L	97
9) 2-Chlorophenol	5.46	128	728152	75.74	ug/L	98
10) 1,3-Dichlorobenzene	5.60	146	763821	70.11	ug/L	99
11) 1,4-Dichlorobenzene	5.65	146	768505	74.46	ug/L	99
12) 1,2-Dichlorobenzene	5.84	146	723196	72.89	ug/L	99
13) Aniline	5.35	93	1121730	69.95	ug/L	99
14) Benzyl alcohol	5.76	108	477148	77.61	ug/L	99
15) bis(2-chloroisopropyl) ethe	5.92	45	1108609	71.06	ug/L	93
16) 2-Methylphenol	5.88	108	673752	74.04	ug/L	99
17) 4-Methylphenol	6.01	108	695566	73.59	ug/L	100
18) Hexachloroethane	6.16	117	324722	73.16	ug/L	93
19) N-Nitroso-di-n-propylamine	6.07	70	523780	72.84	ug/L	86
21) Acetophenone	6.06	105	983069	74.18	ug/L	100
23) Nitrobenzene	6.25	77	725545	75.73	ug/L	92
24) N-nitrosopiperidine	6.41	114	383015	54.34	ug/L	100
25) Isophorone	6.50	82	1352378	74.25	ug/L	95
26) 2-Nitrophenol	6.60	139	451225	77.16	ug/L	96
27) 2,4-Dimethylphenol	6.60	107	623121	74.45	ug/L	96
28) Benzoic Acid	6.69	122	398743	80.77	ug/L	100
29) bis(2-Chloroethoxy) methane	6.73	93	920617	73.91	ug/L	99
30) 2,4-Dichlorophenol	6.88	162	526786	75.78	ug/L	96
31) 1,1-Dimethylphenethylamine	6.92	58	1939530	76.47	ug/L	100

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

Quantitation Report

Data File : C:\HPCHEM\1\DATA\JAN1895\SV0091.D
 Acq On : 18 Jan 96 12:22 pm
 Sample : SSTD80
 Misc :
 Quant Time: Jan 18 12:49 1996

Vial: 5
 Operator:
 Inst : 5972 - 35
 Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\MEBNA.M
 Title : Method 8270
 Last Update : Fri Jan 12 11:26:40 1996
 Response via : Single Level Calibration

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
32) 1,2,4-Trichlorobenzene	7.01	180	548941	75.68	ug/L	98
33) Naphthalene	7.09	128	1867985	74.57	ug/L	99
34) 4-Chloroaniline	7.16	127	761554	73.96	ug/L	100
35) Hexachlorobutadiene	7.32	225	248568	73.05	ug/L	99
36) 2,6-Dichlorophenol	7.17	162	541186	76.36	ug/L	100
37) 4-Chloro-3-methylphenol	7.79	107	564782	76.46	ug/L	98
38) N-nitrosodibutylamine	7.64	84	446986	76.68	ug/L	93
39) 2-Methylnaphthalene	8.05	142	927285	74.26	ug/L	98
41) Hexachlorocyclopentadiene	8.41	237	79475	84.11	ug/L	98
42) 2,4,6-Trichlorophenol	8.53	196	263934	76.83	ug/L	98
43) 2,4,5-Trichlorophenol	8.58	196	335633	77.18	ug/L	99
45) 2-Chloronaphthalene	8.84	162	1061156	74.36	ug/L	99
46) 1,2,4,5-Teterachlorobenzen	8.39	216	419535	74.36	ug/L	98
47) 2-Nitroaniline	9.03	65	349332	78.26	ug/L	94
48) Acenaphthylene	9.55	152	1110423	75.86	ug/L	100
49) Dimethylphthalate	9.40	163	1234129	75.89	ug/L	98
50) 2,6-Dinitrotoluene	9.53	165	293959	84.98	ug/L	95
51) Acenaphthene	9.89	153	1024507	74.22	ug/L	99
52) 1-Chloronaphthalene	8.90	162	1029268	78.20	ug/L	98
53) 3-Nitroaniline	9.76	138	376810	81.72	ug/L	98
54) 2,4-Dinitrophenol	9.95	184	145465	110.90	ug/L	91
55) Dibenzofuran	10.16	168	1492187	76.51	ug/L	96
56) 2,4-Dinitrotoluene	10.23	165	391637	86.19	ug/L	73
57) 4-Nitrophenol	10.02	109	174570	79.72	ug/L	97
58) Pentachlorobenzene	10.21	250	340747	74.90	ug/L	99
59) 2-Naphthylamine	10.32	143	860124	77.92	ug/L	100
60) Fluorene	10.80	166	1088838	74.72	ug/L	99
61) 4-Chlorophenyl-phenylether	10.80	204	459202	73.91	ug/L	99
62) Diethylphthalate	10.70	149	1288751	76.57	ug/L	100
63) 1-Naphthylamine	10.45	143	806753	75.75	ug/L	98
64) 2,3,4,6-Tetrachlorophenol	10.46	232	240731	78.74	ug/L	100
65) 4-Nitroaniline	10.89	138	396241	81.14	ug/L	97
68) 4,6-Dinitro-2-methylphenol	10.98	198	184780	104.35	ug/L	100
69) Diphenylamine	11.04	169	1733312	76.09	ug/L	98
70) N-Nitrosodiphenylamine	11.04	169	1733312	76.09	ug/L	99
71) 4-Bromophenyl-phenylether	11.73	248	242354	75.31	ug/L	99
72) Phenacetin	11.68	108	706207	80.94	ug/L	99
73) Hexachlorobenzene	12.01	284	263704	73.67	ug/L	98
74) Pentachlorophenol	12.34	266	186054	79.65	ug/L	98
75) 4-Aminobiphenyl	11.04	169	1733312	76.09	ug/L	100
76) Pronamide	12.45	173	518209	77.91	ug/L	99
77) Phenanthrene	12.64	178	1452782	75.26	ug/L	100

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

SV0091.D MEBNA.M

Thu Jan 18 12:50:10 1996

HP LASERJET 4 PWBSeON LP

Quantitation Report

Data File : C:\HPCHEM\1\DATA\JAN1895\SV0091.D
 Acq On : 18 Jan 96 12:22 pm
 Sample : SSTD80
 Misc :
 Quant Time: Jan 18 12:49 1996

Vial: 5
 Operator:
 Inst : 5972 - 35
 Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\MEBNA.M
 Title : Method 8270
 Last Update : Fri Jan 12 11:26:40 1996
 Response via : Single Level Calibration

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
78) Anthracene	12.72	178	1480079	76.88	ug/L	99
79) Pentachloronitrobenzene	12.51	295	47431	77.35	ug/L	86
80) Di-n-butylphthalate	13.89	149	2192825	76.72	ug/L	99
81) Fluoranthene	15.00	202	1384402	76.85	ug/L	94
83) Benzidine	15.29	184	887989	70.11	ug/L	100
84) Pyrene	15.44	202	1447030	68.97	ug/L	96
86) P-(dimethylamino) azobenze	16.12	120	520500	71.91	ug/L	98
87) Butylbenzylphthalate	16.88	149	934354	74.68	ug/L	94
88) 3,3'-Dichlorobenzidine	17.86	252	516570	79.30	ug/L	98
89) Benzo[a]anthracene	17.86	228	1268063	77.01	ug/L	100
90) Chrysene	17.94	228	1223833	76.49	ug/L	98
91) bis(2-Ethylhexyl)phthalate	18.11	149	1290539	74.16	ug/L	99
93) Di-n-octylphthalate	19.31	149	2335350	89.00	ug/L	100
94) Benzo[b]fluoranthene	20.07	252	1500515	79.50	ug/L	98
95) Benzo[k]fluoranthene	20.13	252	1524717	82.46	ug/L	99
96) 7,12-Dimethylbenz(a)anthar	20.12	256	480561	91.54	ug/L	100
97) Benzo[a]pyrene	20.85	252	1497930	77.33	ug/L	99
98) 3-Methylchlolanthrene	21.89	268	761290	72.35	ug/L	99
99) Dibenzo(a,j)acridine	23.72	279	1170456	57.79	ug/L	100
100) Indeno[1,2,3-cd]pyrene	24.36	276	1323079	57.92	ug/L	97
101) Dibenz[a,h]anthracene	24.44	278	1277644	56.94	ug/L	96
102) Benzo[g,h,i]perylene	25.35	276	1340038	53.71	ug/L	97

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

Quantitation Report

Data File : C:\HPCHEM\1\DATA\JAN1895\SV0091.D
 Acq On : 18 Jan 96 12:22 pm
 Sample : SSTD80
 Misc :
 Quant Time: Jan 18 12:49 1996

Vial: 5
 Operator:
 Inst : 5972 - 35
 Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\MEBNA.M
 Title : Method 8270
 Last Update : Fri Jan 12 11:26:40 1996
 Response via : Single Level Calibration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\JAN1895\SV0091.D
Acq On : 18 Jan 96 12:22 pm
Sample : SST80
Misc :
Quant Time: Jan 18 12:49 1996

Vial: 5
Operator:
Inst : 5972 - 35
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\MEBNA.M
Title : Method 8270
Last Update : Fri Jan 12 11:26:40 1996
Response via : Single Level Calibration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\JAN1895\SV0092.D
 Acq On : 18 Jan 96 1:07 pm
 Sample : SSTD120
 Misc :
 Quant Time: Jan 18 13:34 1996

Vial: 6
 Operator:
 Inst : 5972 - 35
 Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\MEBNA.M
 Title : Method 8270
 Last Update : Fri Jan 12 11:26:40 1996
 Response via : Single Level Calibration

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
32) 1,2,4-Trichlorobenzene	7.01	180	816787	102.40	ug/L	98
33) Naphthalene	7.09	128	2725619	98.95	ug/L	100
34) 4-Chloroaniline	7.16	127	1133741	100.13	ug/L	100
35) Hexachlorobutadiene	7.32	225	371413	99.25	ug/L	100
36) 2,6-Dichlorophenol	7.19	162	795203	102.03	ug/L	98
37) 4-Chloro-3-methylphenol	7.79	107	836408	102.98	ug/L	99
38) N-nitrosodibutylamine	7.64	84	638039	99.53	ug/L	99
39) 2-Methylnaphthalene	8.07	142	1355003	98.67	ug/L	98
41) Hexachlorocyclopentadiene	8.41	237	124953	120.80	ug/L	99
42) 2,4,6-Trichlorophenol	8.53	196	397517	105.70	ug/L	98
43) 2,4,5-Trichlorophenol	8.59	196	489590	102.84	ug/L	97
45) 2-Chloronaphthalene	8.84	162	1534644	98.23	ug/L	99
46) 1,2,4,5-Teterachlorobenzen	8.39	216	622527	100.80	ug/L	98
47) 2-Nitroaniline	9.04	65	538300	110.16	ug/L	96
48) Acenaphthylene	9.55	152	1662933	103.77	ug/L	99
49) Dimethylphthalate	9.41	163	1828917	102.74	ug/L	99
50) 2,6-Dinitrotoluene	9.53	165	447510	118.18	ug/L	99
51) Acenaphthene	9.89	153	1494041	98.87	ug/L	100
52) 1-Chloronaphthalene	8.90	162	1511581	104.91	ug/L	99
53) 3-Nitroaniline	9.77	138	579123	114.73	ug/L	100
54) 2,4-Dinitrophenol	9.96	184	252518	175.86	ug/L #	84
55) Dibenzofuran	10.17	168	2200537	103.07	ug/L	99
56) 2,4-Dinitrotoluene	10.23	165	610829	122.80	ug/L	96
57) 4-Nitrophenol	10.03	109	275403	114.89	ug/L	92
58) Pentachlorobenzene	10.22	250	508866	102.18	ug/L	99
59) 2-Naphthylamine	10.32	143	1233606	102.08	ug/L	98
60) Fluorene	10.80	166	1550867	97.22	ug/L	99
61) 4-Chlorophenyl-phenylether	10.80	204	675082	99.26	ug/L	96
62) Diethylphthalate	10.71	149	1926388	104.56	ug/L	98
63) 1-Naphthylamine	10.45	143	1163883	99.83	ug/L	99
64) 2,3,4,6-Tetrachlorophenol	10.47	232	367983	109.95	ug/L	100
65) 4-Nitroaniline	10.90	138	616747	115.37	ug/L	97
68) 4,6-Dinitro-2-methylphenol	10.99	198	312450	158.43	ug/L	100
69) Diphenylamine	11.04	169	2497489	98.44	ug/L	99
70) N-Nitrosodiphenylamine	11.04	169	2497489	98.44	ug/L	99
71) 4-Bromophenyl-phenylether	11.73	248	371366	103.61	ug/L	97
72) Phenacetin	11.70	108	1080678	111.21	ug/L	99
73) Hexachlorobenzene	12.01	284	398849	100.05	ug/L	93
74) Pentachlorophenol	12.35	266	292563	112.45	ug/L	98
75) 4-Aminobiphenyl	11.04	169	2497489	98.44	ug/L	100
76) Pronamide	12.46	173	792732	107.01	ug/L	99
77) Phenanthrene	12.64	178	2179438	101.37	ug/L	99

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

Quantitation Report

Data File : C:\HPCHEM\1\DATA\JAN1895\SV0092.D
 Acq On : 18 Jan 96 1:07 pm
 Sample : SSTD120
 Misc :
 Quant Time: Jan 18 13:34 1996

Vial: 6
 Operator:
 Inst : 5972 - 35
 Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\MEBNA.M
 Title : Method 8270
 Last Update : Fri Jan 12 11:26:40 1996
 Response via : Single Level Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.64	152	275472	40.00	ug/L	0.02
20) Naphthalene-d8	7.07	136	912023	40.00	ug/L	0.03
40) Acenaphthene-d10	9.83	164	479417	40.00	ug/L	0.03
67) Phenanthrene-d10	12.59	188	627640	40.00	ug/L	0.03
82) Chrysene-d12	17.91	240	426253	40.00	ug/L	0.04
92) Perylene-d12	20.99	264	500674	40.00	ug/L	0.04

System Monitoring Compounds						%Recovery
5) 2-Fluorophenol	4.52	112	1247011	97.31	ug/L	48.66%
7) Phenol-d5	5.31	99	1378573	92.94	ug/L	46.47%
22) Nitrobenzene-d5	6.22	82	1045492	102.22	ug/L	102.22%
44) 2-Fluorobiphenyl	8.66	172	1740752	101.90	ug/L	101.90%
66) 2,4,6-Tribromophenol	11.29	330	204012	105.40	ug/L	52.70%
85) Terphenyl-d14	15.81	244	1377005	119.58	ug/L	119.58%

Target Compounds						Qvalue
2) N-nitrosodimethylamine	2.87	42	668667	93.98	ug/L	97
3) 2-Picoline	3.90	93	1365467	98.60	ug/L	97
4) Methyl methanesulfonate	4.39	80	666840	93.60	ug/L	100
6) bis(2-Chloroethyl) ether	5.40	93	1223126	99.56	ug/L	96
8) Phenol	5.32	94	1376240	93.70	ug/L	92
9) 2-Chlorophenol	5.47	128	1091728	100.60	ug/L	92
10) 1,3-Dichlorobenzene	5.60	146	1137829	92.52	ug/L	98
11) 1,4-Dichlorobenzene	5.65	146	1154457	99.10	ug/L	98
12) 1,2-Dichlorobenzene	5.84	146	1096457	97.89	ug/L	98
13) Aniline	5.37	93	1652256	91.28	ug/L	99
14) Benzyl alcohol	5.77	108	702119	101.17	ug/L	91
15) bis(2-chloroisopropyl) ethe	5.92	45	1666609	94.64	ug/L	96
16) 2-Methylphenol	5.88	108	995789	96.94	ug/L	99
17) 4-Methylphenol	6.01	108	1020955	95.69	ug/L	100
18) Hexachloroethane	6.16	117	488040	97.40	ug/L	91
19) N-Nitroso-di-n-propylamine	6.07	70	764382	94.17	ug/L	91
21) Acetophenone	6.06	105	1422119	97.58	ug/L	100
23) Nitrobenzene	6.25	77	1066627	101.24	ug/L	96
24) N-nitrosopiperidine	6.41	114	563677	72.73	ug/L	100
25) Isophorone	6.50	82	1942069	96.97	ug/L	98
26) 2-Nitrophenol	6.62	139	657444	102.24	ug/L	92
27) 2,4-Dimethylphenol	6.60	107	877420	95.33	ug/L	94
28) Benzoic Acid	6.71	122	644615	118.74	ug/L	100
29) bis(2-Chloroethoxy) methane	6.73	93	1338220	97.70	ug/L	100
30) 2,4-Dichlorophenol	6.88	162	790148	103.37	ug/L	98
31) 1,1-Dimethylphenethylamine	6.94	58	2676285	95.95	ug/L	100

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

SV0092.D MEBNA.M

Thu Jan 18 13:34:32 1996

HP LASERJET 4 PWBSeOM LP

Quantitation Report

Data File : C:\HPCHEM\1\DATA\JAN1895\SV0092.D
 Acq On : 18 Jan 96 1:07 pm
 Sample : SSTD120
 Misc :
 Quant Time: Jan 18 13:34 1996

Vial: 6
 Operator:
 Inst : 5972 - 35
 Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\MEBNA.M
 Title : Method 8270
 Last Update : Fri Jan 12 11:26:40 1996
 Response via : Single Level Calibration

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
78) Anthracene	12.73	178	2204192	102.80	ug/L	100
79) Pentachloronitrobenzene	12.52	295	76919	112.63	ug/L	91
80) Di-n-butylphthalate	13.90	149	3315965	104.16	ug/L	99
81) Fluoranthene	15.00	202	2146772	107.00	ug/L	99
83) Benzidine	15.29	184	1297655	115.20	ug/L	100
84) Pyrene	15.46	202	2242018	120.15	ug/L	91
86) P-(dimethylamino) azobenze	16.14	120	783819	121.75	ug/L	99
87) Butylbenzylphthalate	16.90	149	1413370	127.02	ug/L	90
88) 3,3'-Dichlorobenzidine	17.87	252	750493	129.55	ug/L	95
89) Benzo[a]anthracene	17.87	228	1810853	123.65	ug/L	100
90) Chrysene	17.96	228	1801477	126.61	ug/L	100
91) bis(2-Ethylhexyl)phthalate	18.12	149	1955571	126.35	ug/L	100
93) Di-n-octylphthalate	19.31	149	3461726	150.41	ug/L	99
94) Benzo[b]fluoranthene	20.09	252	2257815	136.38	ug/L	99
95) Benzo[k]fluoranthene	20.15	252	2215922	136.63	ug/L	98
96) 7,12-Dimethylbenz(a)anthar	20.13	256	698323	151.66	ug/L	100
97) Benzo[a]pyrene	20.86	252	2237645	131.70	ug/L	99
98) 3-Methylchlolanthrene	21.92	268	1157171	125.38	ug/L	100
99) Dibenzo(a,j) acridine	23.74	279	1860382	104.73	ug/L	100
100) Indeno[1,2,3-cd]pyrene	24.38	276	2072873	103.45	ug/L	97
101) Dibenz[a,h]anthracene	24.48	278	2014256	102.33	ug/L	97
102) Benzo[g,h,i]perylene	25.39	276	2096421	95.80	ug/L	94

Quantitation Report

Data File : C:\HPCHEM\1\DATA\JAN1895\SV0092.D
 Acq On : 18 Jan 96 1:07 pm
 Sample : SSTD120
 Misc :
 Quant Time: Jan 18 13:34 1996

Vial: 6
 Operator:
 Inst : 5972 - 35
 Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\MEBNA.M
 Title : Method 8270
 Last Update : Fri Jan 12 11:26:40 1996
 Response via : Single Level Calibration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\JAN1895\SV0092.D
Acq On : 18 Jan 96 1:07 pm
Sample : SSTD120
Misc :
Quant Time: Jan 18 13:34 1996

Vial: 6
Operator:
Inst : 5972 - 35
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\MEBNA.M
Title : Method 8270
Last Update : Fri Jan 12 11:26:40 1996
Response via : Single Level Calibration

DFTPP

Data File : C:\HPCHEM\1\DATA\JAN1995\SV0095.D
 Acq On : 19 Jan 96 9:46 am
 Sample : DFTPP01
 Misc :

Vial: 1
 Operator:
 Inst : 5972 - 35
 Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\MEBNA.M
 Title : Method 8270

Peak Apex is scan: 302

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	43.0	97312	PASS
68	69	0	2	0.2	283	PASS
69	198	0	100	57.2	129515	PASS
70	69	0	2	0.1	177	PASS
127	198	40	60	44.5	100717	PASS
197	198	0	1	0.0	0	PASS
198	198	100	100	100.0	226248	PASS
199	198	5	9	7.0	15752	PASS
275	198	10	30	19.4	43827	PASS
365	198	1	100	2.4	5361	PASS
441	443	0	100	82.6	19197	PASS
442	198	39	100	53.9	121919	PASS
443	442	17	23	19.1	23251	PASS

Evaluate Continuing Calibration Report

Data File : C:\HPCHEM\1\DATA\JAN1995\SV0096.D
 Acq On : 19 Jan 96 10:11 am
 Sample : SSTDS0
 Misc :

Vial: 2
 Operator:
 Inst : 5972 - 35
 Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\MEBNA.M
 Title : Method 8270
 Last Update : Mon Jan 22 12:06:25 1996
 Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	92	0.00
2 T	N-nitrosodimethylamine	0.869	0.941	-8.3	89	0.00
3 T	2-Picoline	1.777	1.933	-8.7	90	0.00
4 T	Methyl methanesulfonate	0.884	0.957	-8.3	88	0.00
5 S	2-Fluorophenol	1.617	1.809	-11.8	94	0.00
6 T	bis(2-Chloroethyl) ether	1.609	1.680	-4.4	87	0.00
7 S	Phenol-d5	1.842	2.049	-11.3	91	0.00
8 MC	Phenol	1.850	2.038	-10.2	89	0.00
9 M	2-Chlorophenol	1.428	1.574	-10.2	91	0.00
10 T	1,3-Dichlorobenzene	1.524	1.720	-12.8	93	0.00
11 MC	1,4-Dichlorobenzene	1.526	1.631	-6.9	88	0.00
12 T	1,2-Dichlorobenzene	1.448	1.590	-9.9	90	0.00
13 T	Aniline	2.183	2.467	-13.0	93	0.00
14 T	Benzyl alcohol	0.918	0.990	-7.8	89	0.00
15 T	bis(2-chloroisopropyl) ether	2.174	2.290	-5.3	87	0.00
16 T	2-Methylphenol	1.304	1.445	-10.8	91	0.00
17 T	4-Methylphenol	1.339	1.482	-10.7	92	0.00
18 T	Hexachloroethane	0.642	0.718	-11.8	92	0.00
19 MP	N-Nitroso-di-n-propylamine	1.015	1.113	-9.6	90	0.00
20 I	Naphthalene-d8	1.000	1.000	0.0	86	0.00
21 T	Acetophenone	0.637	0.639	-0.2	88	0.00
22 S	Nitrobenzene-d5	0.402	0.455	-13.2	90	0.00
23 T	Nitrobenzene	0.419	0.489	-16.6	92	0.00
24 T	N-nitrosopiperidine	0.217	0.245	-13.0	90	0.00
25 T	Isophorone	0.778	0.870	-11.9	88	0.00
26 TC	2-Nitrophenol	0.256	0.305	-18.8	92	0.00
27 T	2,4-Dimethylphenol	0.355	0.406	-14.6	89	0.00
28 T	Benzoic Acid	0.220	0.253	-15.3	97	0.00
29 T	bis(2-Chloroethoxy) methane	0.530	0.592	-11.8	88	0.00
30 TC	2,4-Dichlorophenol	0.304	0.346	-13.9	91	0.00
31 T	1,1-Dimethylphenethylamine	1.051	1.185	-12.7	91	0.00
32 M	1,2,4-Trichlorobenzene	0.319	0.363	-14.0	91	0.00
33 T	Naphthalene	1.088	1.231	-13.1	88	0.00
34 T	4-Chloroaniline	0.441	0.500	-13.3	90	0.00
35 TC	Hexachlorobutadiene	0.145	0.164	-13.1	90	0.00
36 T	2,6-Dichlorophenol	0.313	0.358	-14.2	91	0.00
37 MC	4-Chloro-3-methylphenol	0.324	0.362	-11.4	89	0.00
38 T	N-nitrosodibutylamine	0.254	0.276	-8.7	86	0.00
39 T	2-Methylnaphthalene	0.541	0.607	-12.1	87	0.00

40-I---Aeenapthene-d10-----1.000---1.000-----0.0---87---0.00-

(#) = Out of Range

SV0096.D MEBNA.M Mon Jan 22 12:07:27 1996

HP LASERJET 4 PLB8g0N1LP

Evaluate Continuing Calibration Report

Data File : C:\HPCHEM\1\DATA\JAN1995\SV0096.D
 Acq On : 19 Jan 96 10:11 am
 Sample : SSTD50
 Misc :

Vial: 2
 Operator:
 Inst : 5972 - 35
 Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\MEBNA.M
 Title : Method 8270
 Last Update : Mon Jan 22 12:06:25 1996
 Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
41 TP	Hexachlorocyclopentadiene	0.085	0.097	-14.2	96	0.00
42 TC	2,4,6-Trichlorophenol	0.288	0.326	-12.9	94	0.00
43 T	2,4,5-Trichlorophenol	0.358	0.402	-12.2	91	0.00
44 S	2-Fluorobiphenyl	1.303	1.430	-9.7	87	0.00
45 T	2-Chloronaphthalene	1.168	1.281	-9.7	86	0.00
46 T	1,2,4,5-Tetrachlorobenzene	0.462	0.512	-10.7	89	0.00
47 T	2-Nitroaniline	0.378	0.425	-12.5	94	0.00
48 M	Acenaphthylene	1.228	1.343	-9.4	87	0.00
49 T	Dimethylphthalate	1.356	1.481	-9.2	88	0.00
50 T	2,6-Dinitrotoluene	0.313	0.350	-11.9	93	0.00
51 TC	Acenaphthene	1.129	1.252	-10.9	86	0.00
52 T	1-Chloronaphthalene	1.128	1.245	-10.3	88	0.00
53 T	3-Nitroaniline	0.410	0.448	-9.2	90	0.00
54 TP	2,4-Dinitrophenol	0.147	0.176	-19.6	113	0.00
55 T	Dibenzofuran	1.627	1.780	-9.4	88	0.00
56 M	2,4-Dinitrotoluene	0.423	0.467	-10.4	91	0.00
57 MP	4-Nitrophenol	0.190	0.213	-12.3	96	0.00
58 T	Pentachlorobenzene	0.375	0.409	-8.9	86	0.00
59 T	2-Naphthylamine	0.935	0.981	-4.9	84	0.00
60 T	Fluorene	1.187	1.343	-13.2	87	0.00
61 T	4-Chlorophenyl-phenylether	0.501	0.556	-11.0	87	0.00
62 T	Diethylphthalate	1.414	1.527	-8.0	87	0.00
63 T	1-Naphthylamine	0.878	0.946	-7.8	85	0.00
64 T	2,3,4,6-Tetrachlorophenol	0.260	0.292	-12.3	92	0.00
65 T	4-Nitroaniline	0.430	0.465	-8.2	90	0.00
66 S	2,4,6-Tribromophenol	0.145	0.163	-12.4	92	0.00
67 I	Phenanthrene-d10	1.000	1.000	0.0	87	0.00
68 T	4,6-Dinitro-2-methylphenol	0.148	0.164	-11.2	98	0.00
69 T	Diphenylamine	1.442	1.658	-14.9	90	0.00
70 TC	N-Nitrosodiphenylamine	1.442	1.658	-14.9	90	0.00
71 T	4-Bromophenyl-phenylether	0.207	0.226	-9.0	88	0.00
72 T	Phenacetin	0.586	0.644	-10.0	90	0.00
73 T	Hexachlorobenzene	0.226	0.248	-9.7	87	0.00
74 MC	Pentachlorophenol	0.152	0.177	-16.1	96	0.00
75 T	4-Aminobiphenyl	1.442	1.658	-14.9	90	0.00
76 T	Pronamide	0.435	0.468	-7.6	86	0.00
77 T	Phenanthrene	1.236	1.370	-10.8	88	0.00
78 T	Anthracene	1.252	1.368	-9.2	87	0.00
79 T	Pentachloronitrobenzene	0.040	0.044	-10.1	90	0.00
80 TC	Di-n-butylphthalate	1.834	2.014	-9.8	87	0.00

(#) = Out of Range

SV0096.D MEBNA.M

Mon Jan 22 12:07:36 1996

HP LASERJET 4 P1488AN212

Evaluate Continuing Calibration Report

Data File : C:\HPCHEM\1\DATA\JAN1995\SV0096.D
 Acq On : 19 Jan 96 10:11 am
 Sample : SST50
 Misc :

Vial: 2
 Operator:
 Inst : 5972 - 35
 Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\MEBNA.M
 Title : Method 8270
 Last Update : Mon Jan 22 12:06:25 1996
 Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
81 TC	Fluoranthene	1.174	1.268	-7.9	88	0.00
82 I	Chrysene-d12	1.000	1.000	0.0	91	0.00
83 T	Benzidine	0.960	0.985	-2.6	89	0.00
84 M	Pyrene	1.675	1.646	1.7	88	0.00
85 S	Terphenyl-d14	1.027	1.019	0.7	89	0.00
86 T	P-(dimethylamino) azobenzen	0.579	0.589	-1.7	90	0.00
87 T	Butylbenzylphthalate	1.032	1.062	-2.9	89	0.00
88 T	3,3'-Dichlorobenzidine	0.561	0.582	-3.7	96	0.00
89 T	Benzo[a]anthracene	1.397	1.393	0.3	91	0.00
90 T	Chrysene	1.386	1.375	0.8	93	0.00
91 T	bis(2-Ethylhexyl)phthalate	1.430	1.488	-4.0	89	0.00
92 I	Perylene-d12	1.000	1.000	0.0	91	0.00
93 TC	Di-n-octylphthalate	2.281	2.187	4.1	93	0.00
94 T	Benzo[b]fluoranthene	1.520	1.504	1.1	95	0.00
95 T	Benzo[k]fluoranthene	1.377	1.299	5.6	95	0.00
96 T	7,12-Dimethylbenz(a)anthara	0.454	0.396	12.9	95	0.00
97 TC	Benzo[a]pyrene	1.409	1.362	3.3	92	0.00
98 T	3-Methylchlolanthrene	0.718	0.704	1.9	88	0.00
99 T	Dibenzo(a,j)acridine	1.161	1.190	-2.5	80	0.00
.00 T	Indeno[1,2,3-cd]pyrene	1.337	1.305	2.4	78	0.00
.01 T	Dibenz[a,h]anthracene	1.278	1.298	-1.6	80	0.00
102 T	Benzo[g,h,i]perylene	1.347	1.362	-1.1	76	0.00

Quantitation Report

Data File : C:\HPCHEM\1\DATA\JAN1995\SV0096.D
 Acq On : 19 Jan 96 10:11 am
 Sample : SSTD50
 Misc :
 Quant Time: Jan 19 10:38 1996

Vial: 2
 Operator:
 Inst : 5972 - 35
 Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\MEBNA.M
 Title : Method 8270
 Last Update : Fri Jan 19 10:39:21 1996
 Response via : Multiple Level Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.61	152	220363	40.00	ug/L	0.00
20) Naphthalene-d8	7.04	136	708621	40.00	ug/L	0.00
40) Acenaphthene-d10	9.80	164	377775	40.00	ug/L	0.00
67) Phenanthrene-d10	12.56	188	482176	40.00	ug/L	0.00
82) Chrysene-d12	17.86	240	392811	40.00	ug/L	0.00
92) Perylene-d12	20.95	264	469579	40.00	ug/L	0.00

System Monitoring Compounds						%Recovery
5) 2-Fluorophenol	4.49	112	498254	55.92	ug/L	27.96%
7) Phenol-d5	5.27	99	564473	55.64	ug/L	27.82%
22) Nitrobenzene-d5	6.20	82	402982	56.59	ug/L	56.59%
44) 2-Fluorobiphenyl	8.63	172	675112	54.85	ug/L	54.85%
66) 2,4,6-Tribromophenol	11.26	330	77020	56.18	ug/L	28.09%
85) Terphenyl-d14	15.78	244	500326	49.63	ug/L	49.63%

Target Compounds						Qvalue
2) N-nitrosodimethylamine	2.82	42	259217	54.15	ug/L	96
3) 2-Picoline	3.87	93	532405	54.37	ug/L	94
4) Methyl methanesulfonate	4.36	80	263716	54.14	ug/L	99
6) bis(2-Chloroethyl) ether	5.37	93	462770	52.19	ug/L	95
8) Phenol	5.29	94	561450	55.09	ug/L	93
9) 2-Chlorophenol	5.44	128	433545	55.11	ug/L	93
10) 1,3-Dichlorobenzene	5.57	146	473650	56.42	ug/L	100
11) 1,4-Dichlorobenzene	5.62	146	449319	53.43	ug/L	98
12) 1,2-Dichlorobenzene	5.81	146	438061	54.93	ug/L	98
13) Aniline	5.33	93	679457	56.49	ug/L	98
14) Benzyl alcohol	5.74	108	272793	53.91	ug/L	97
15) bis(2-chloroisopropyl) ethe	5.89	45	630820	52.67	ug/L	97
16) 2-Methylphenol	5.85	108	397992	55.40	ug/L	98
17) 4-Methylphenol	5.99	108	408301	55.36	ug/L	100
18) Hexachloroethane	6.13	117	197862	55.91	ug/L	83
19) N-Nitroso-di-n-propylamine	6.04	70	306461	54.78	ug/L	92
21) Acetophenone	6.02	105	565612	50.12	ug/L	100
23) Nitrobenzene	6.21	77	432761	58.28	ug/L	98
24) N-nitrosopiperidine	6.38	114	216957	56.50	ug/L	100
25) Isophorone	6.46	82	770862	55.96	ug/L	100
26) 2-Nitrophenol	6.58	139	269860	59.42	ug/L	93
27) 2,4-Dimethylphenol	6.57	107	360006	57.31	ug/L	92
28) Benzoic Acid	6.65	122	224335	57.65	ug/L	100
29) bis(2-Chloroethoxy) methane	6.70	93	524229	55.88	ug/L	99
30) 2,4-Dichlorophenol	6.85	162	306260	56.95	ug/L	97
31) 1,1-Dimethylphenethylamine	6.88	58	1049534	56.36	ug/L	100

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

Quantitation Report

Data File : C:\HPCHEM\1\DATA\JAN1995\SV0096.D
 Acq On : 19 Jan 96 10:11 am
 Sample : SSTD50
 Misc :
 Quant Time: Jan 19 10:38 1996

Vial: 2
 Operator:
 Inst : 5972 - 35
 Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\MEBNA.M
 Title : Method 8270
 Last Update : Fri Jan 19 10:39:21 1996
 Response via : Multiple Level Calibration

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
78) Anthracene	12.69	178	824260	54.61	ug/L	99
79) Pentachloronitrobenzene	12.49	295	26709	55.05	ug/L	91
80) Di-n-butylphthalate	13.87	149	1213974	54.90	ug/L	99
81) Fluoranthene	14.97	202	763959	53.97	ug/L	96
83) Benzidine	15.26	184	483867	51.32	ug/L	100
84) Pyrene	15.41	202	808189	49.14	ug/L	96
86) P-(dimethylamino) azobenze	16.10	120	289148	50.84	ug/L	96
87) Butylbenzylphthalate	16.87	149	521545	51.44	ug/L	92
88) 3,3'-Dichlorobenzidine	17.83	252	285582	51.87	ug/L	97
89) Benzo[a]anthracene	17.84	228	684073	49.85	ug/L	99
90) Chrysene	17.92	228	675063	49.59	ug/L	99
91) bis(2-Ethylhexyl)phthalate	18.09	149	730503	52.01	ug/L	99
93) Di-n-octylphthalate	19.28	149	1283868	47.95	ug/L	99
94) Benzo[b]fluoranthene	20.03	252	882533	49.47	ug/L	99
95) Benzo[k]fluoranthene	20.09	252	762480	47.18	ug/L	100
96) 7,12-Dimethylbenz(a)anthar	20.08	256	232354	43.57	ug/L	100
97) Benzo[a]pyrene	20.80	252	799422	48.33	ug/L	100
98) 3-Methylchlolanthrene	21.85	268	413265	49.06	ug/L	98
99) Dibenzo(a,j)acridine	23.66	279	698608	51.26	ug/L	100
100) Indeno[1,2,3-cd]pyrene	24.29	276	766085	48.80	ug/L	98
101) Dibenz[a,h]anthracene	24.37	278	762018	50.80	ug/L	98
102) Benzo[g,h,i]perylene	25.27	276	799209	50.55	ug/L	97

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

Quantitation Report

Data File : C:\HPCHEM\1\DATA\JAN1995\SV0096.D
 Acq On : 19 Jan 96 10:11 am
 Sample : SSTD50
 Misc :
 Quant Time: Jan 19 10:38 1996

Vial: 2
 Operator:
 Inst : 5972 - 35
 Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\MEBNA.M
 Title : Method 8270
 Last Update : Fri Jan 19 10:39:21 1996
 Response via : Multiple Level Calibration

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
32) 1,2,4-Trichlorobenzene	6.98	180	321908	57.00	ug/L	98
33) Naphthalene	7.06	128	1090457	56.56	ug/L	99
34) 4-Chloroaniline	7.13	127	442652	56.65	ug/L	99
35) Hexachlorobutadiene	7.29	225	145393	56.54	ug/L	97
36) 2,6-Dichlorophenol	7.15	162	316865	57.10	ug/L	99
37) 4-Chloro-3-methylphenol	7.76	107	320218	55.70	ug/L	99
38) N-nitrosodibutylamine	7.61	84	244623	54.35	ug/L	100
39) 2-Methylnaphthalene	8.04	142	537684	56.06	ug/L	98
41) Hexachlorocyclopentadiene	8.38	237	45812	57.10	ug/L	98
42) 2,4,6-Trichlorophenol	8.50	196	153742	56.45	ug/L	99
43) 2,4,5-Trichlorophenol	8.55	196	189831	56.09	ug/L	99
45) 2-Chloronaphthalene	8.81	162	605024	54.85	ug/L	99
46) 1,2,4,5-Teterachlorobenzen	8.36	216	241709	55.34	ug/L	97
47) 2-Nitroaniline	9.01	65	200583	56.23	ug/L	93
48) Acenaphthylene	9.52	152	634140	54.69	ug/L	100
49) Dimethylphthalate	9.37	163	699508	54.62	ug/L	98
50) 2,6-Dinitrotoluene	9.50	165	165372	55.93	ug/L	96
51) Acenaphthene	9.86	153	591218	55.43	ug/L	98
52) 1-Chloronaphthalene	8.87	162	587796	55.17	ug/L	97
53) 3-Nitroaniline	9.72	138	211368	54.61	ug/L	95
54) 2,4-Dinitrophenol	9.92	184	83212	59.79	ug/L #	77
55) Dibenzofuran	10.13	168	840624	54.71	ug/L	95
56) 2,4-Dinitrotoluene	10.20	165	220742	55.21	ug/L	76
57) 4-Nitrophenol	9.99	109	100615	56.13	ug/L	91
58) Pentachlorobenzene	10.18	250	193032	54.44	ug/L	99
59) 2-Naphthylamine	10.28	143	463333	52.46	ug/L	98
60) Fluorene	10.77	166	634387	56.59	ug/L	100
61) 4-Chlorophenyl-phenylether	10.77	204	262778	55.51	ug/L	99
62) Diethylphthalate	10.67	149	721159	53.99	ug/L	100
63) 1-Naphthylamine	10.42	143	446855	53.89	ug/L	99
64) 2,3,4,6-Tetrachlorophenol	10.43	232	137846	56.16	ug/L	100
65) 4-Nitroaniline	10.86	138	219762	54.08	ug/L	95
68) 4,6-Dinitro-2-methylphenol	10.95	198	98894	55.61	ug/L	100
69) Diphenylamine	11.01	169	999164	57.46	ug/L	99
70) N-Nitrosodiphenylamine	11.01	169	999164	57.46	ug/L	99
71) 4-Bromophenyl-phenylether	11.70	248	135989	54.50	ug/L	98
72) Phenacetin	11.65	108	388389	55.02	ug/L	100
73) Hexachlorobenzene	11.97	284	149224	54.87	ug/L	99
74) Pentachlorophenol	12.31	266	106451	58.03	ug/L	99
75) 4-Aminobiphenyl	11.01	169	999164	57.46	ug/L	99
76) Pronamide	12.41	173	281883	53.81	ug/L	99
77) Phenanthrene	12.60	178	825908	55.41	ug/L	99

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

Quantitation Report

Data File : C:\HPCHEM\1\DATA\JAN1995\SV0096.D
 Acq On : 19 Jan 96 10:11 am
 Sample : SST50
 Misc :
 Quant Time: Jan 19 10:38 1996

Vial: 2
 Operator:
 Inst : 5972 - 35
 Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\MEBNA.M
 Title : Method 8270
 Last Update : Fri Jan 19 10:39:21 1996
 Response via : Multiple Level Calibration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\JAN1995\SV0096.D
Acq On : 19 Jan 96 10:11 am
Sample : SSTD50
Misc :
Quant Time: Jan 19 10:38 1996

Vial: 2
Operator:
Inst : 5972 - 35
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\MEBNA.M
Title : Method 8270
Last Update : Fri Jan 19 10:39:21 1996
Response via : Multiple Level Calibration

Method 8270 Results

C:\HPCHEM\1\DATA\JAN1995\SV0107.D

Sat Jan 20 08:45:01 1996

Peak Apex is scan: 301

Average of 3 scans: 300, 301, 302 minus background scan 296

Target Mass	Comparison Mass	Lower Limit, %	Upper Limit, %	Relative Abundance, %	Result Pass/Fail
51	198	30	60	42.5	PASS
68	69	0	2	0.0	PASS
69	198	0	100	57.2	PASS
70	69	0	2	0.2	PASS
127	198	40	60	42.1	PASS
197	198	0	1	0.0	PASS
198	198	100	100	100.0	PASS
199	198	5	9	6.6	PASS
275	198	10	30	18.5	PASS
365	198	1	100	2.3	PASS
441	443	0	100	83.5	PASS
442	198	40	100	51.5	PASS
443	442	17	23	19.6	PASS

Continuing Calibration Report 5972 - 35

Method : C:\HPCHEM\1\METHODS\MEBNA.M
 Title : Method 8270
 Last Update : Sat Jan 20 09:25:17 1996
 Response via : Initial Calibration

Continuing Calibration File: SV0108.D

Min. RRF : 0.000 Min. Rel. Area : 50%
 Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%
1 I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	73
2 T	N-nitrosodimethylamine	0.869	0.976	-12.4	73
3 T	2-Picoline	1.777	1.968	-10.7	73
4 T	Methyl methanesulfonate	0.884	1.018	-15.2	74
5 S	2-Fluorophenol	1.617	1.794	-10.9	74
6 T	bis(2-Chloroethyl) ether	1.609	1.650	-2.5	68
7 S	Phenol-d5	1.842	2.089	-13.4	74
8 MC	Phenol	1.850	2.116	-14.4	73
9 M	2-Chlorophenol	1.428	1.577	-10.5	72
10 T	1,3-Dichlorobenzene	1.524	1.652	-8.4	71
11 MC	1,4-Dichlorobenzene	1.526	1.696	-11.1	72
12 T	1,2-Dichlorobenzene	1.448	1.603	-10.8	72
13 T	Aniline	2.183	2.616	-19.8	78
14 T	Benzyl alcohol	0.918	1.020	-11.1	73
15 T	bis(2-chloroisopropyl) ether	2.174	2.458	-13.1	74
16 T	2-Methylphenol	1.304	1.486	-14.0	74
17 T	4-Methylphenol	1.339	1.512	-12.9	74
18 T	Hexachloroethane	0.642	0.727	-13.1	74
19 MP	N-Nitroso-di-n-propylamine	1.015	1.162	-14.5	74
20 I	Naphthalene-d8	1.000	1.000	0.0	70
21 T	Acetophenone	0.637	0.649	-1.9	73
22 S	Nitrobenzene-d5	0.402	0.460	-14.3	74
23 T	Nitrobenzene	0.419	0.483	-15.1	74
24 T	N-nitrosopiperidine	0.217	0.238	-9.8	72
25 T	Isophorone	0.778	0.881	-13.2	73
26 TC	2-Nitrophenol	0.256	0.301	-17.2	74
27 T	2,4-Dimethylphenol	0.355	0.403	-13.6	72
28 T	Benzoic Acid	0.220	0.248	-12.9	77
29 T	bis(2-Chloroethoxy) methane	0.530	0.595	-12.3	72
30 TC	2,4-Dichlorophenol	0.304	0.343	-13.1	73
31 T	1,1-Dimethylphenethylamine	1.051	1.219	-16.0	76
32 M	1,2,4-Trichlorobenzene	0.319	0.355	-11.4	73
33 T	Naphthalene	1.088	1.234	-13.4	72
34 T	4-Chloroaniline	0.441	0.487	-10.4	71
35 TC	Hexachlorobutadiene	0.145	0.165	-13.4	73
36 T	2,6-Dichlorophenol	0.313	0.354	-13.0	73
37 MC	4-Chloro-3-methylphenol	0.324	0.366	-12.7	73
38 T	N-nitrosodibutylamine	0.254	0.279	-9.9	71
39 T	2-Methylnaphthalene	0.541	0.616	-13.7	72
40 I	Acenaphthene-d10	1.000	1.000	0.0	70

(#) = Out of Range

Continuing Calibration Report 5972 - 35

Method : C:\HPCHEM\1\METHODS\MEBNA.M
 Title : Method 8270
 Last Update : Sat Jan 20 09:25:17 1996
 Response via : Initial Calibration

Continuing Calibration File: SV0108.D

Min. RRF : 0.000 Min. Rel. Area : 50%
 Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%
41 TP	Hexachlorocyclopentadiene	0.085	0.093	-9.0	74
42 TC	2,4,6-Trichlorophenol	0.288	0.315	-9.3	73
43 T	2,4,5-Trichlorophenol	0.358	0.398	-11.0	72
44 S	2-Fluorobiphenyl	1.303	1.459	-11.9	72
45 T	2-Chloronaphthalene	1.168	1.294	-10.8	70
46 T	1,2,4,5-Teterachlorobenzene	0.462	0.508	-9.9	71
47 T	2-Nitroaniline	0.378	0.426	-12.8	76
48 M	Acenaphthylene	1.228	1.338	-9.0	70
49 T	Dimethylphthalate	1.356	1.491	-10.0	71
50 T	2,6-Dinitrotoluene	0.313	0.340	-8.6	73
51 TC	Acenaphthene	1.129	1.272	-12.6	70
52 T	1-Chloronaphthalene	1.128	1.251	-10.9	71
53 T	3-Nitroaniline	0.410	0.445	-8.6	72
54 TP	2,4-Dinitrophenol	0.147	0.159	-7.7	82
55 T	Dibenzofuran	1.627	1.796	-10.4	72
56 M	2,4-Dinitrotoluene	0.423	0.447	-5.6	71
57 MP	4-Nitrophenol	0.190	0.204	-7.2	74
58 T	Pentachlobenzene	0.375	0.396	-5.5	67
59 T	2-Naphthylamine	0.935	0.986	-5.4	68
60 T	Fluorene	1.187	1.340	-12.9	70
61 T	4-Chlorophenyl-phenylether	0.501	0.563	-12.3	71
62 T	Diethylphthalate	1.414	1.540	-8.9	71
63 T	1-Naphthylamine	0.878	0.962	-9.6	69
64 T	2,3,4,6-Tetrachlorophenol	0.260	0.283	-8.9	72
65 T	4-Nitroaniline	0.430	0.461	-7.2	72
66 S	2,4,6-Tribromophenol	0.145	0.150	-3.6	68
67 I	Phenanthrene-d10	1.000	1.000	0.0	70
68 T	4,6-Dinitro-2-methylphenol	0.148	0.161	-9.1	77
69 T	Diphenylamine	1.442	1.645	-14.1	71
70 TC	N-Nitrosodiphenylamine	1.442	1.645	-14.1	71
71 T	4-Bromophenyl-phenylether	0.207	0.221	-6.8	69
72 T	Phenacetin	0.586	0.631	-7.8	71
73 T	Hexachlorobenzene	0.226	0.242	-7.4	68
74 MC	Pentachlorophenol	0.152	0.166	-9.3	72
75 T	4-Aminobiphenyl	1.442	1.645	-14.1	71
76 T	Pronamide	0.435	0.463	-6.6	68
77 T	Phenanthrene	1.236	1.412	-14.2	72
78 T	Anthracene	1.252	1.404	-12.1	71
79 T	Pentachloronitrobenzene	0.040	0.041	-1.8	66
80 TC	Di-n-butylphthalate	1.834	1.976	-7.7	69

(#) = Out of Range

Continuing Calibration Report 5972 - 35

Method : C:\HPCHEM\1\METHODS\MEBNA.M
 Title : Method 8270
 Last Update : Sat Jan 20 09:25:17 1996
 Response via : Initial Calibration

Continuing Calibration File: SV0108.D

Min. RRF : 0.000 Min. Rel. Area : 50%
 Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%
81 TC	Fluoranthene	1.174	1.257	-7.0	70
82 I	Chrysene-d12	1.000	1.000	0.0	69
83 T	Benzidine	0.960	0.988	-2.9	67
84 M	Pyrene	1.675	1.735	-3.6	69
85 S	Terphenyl-d14	1.027	1.064	-3.6	69
86 T	P-(dimethylamino) azobenzene	0.579	0.599	-3.5	69
87 T	Butylbenzylphthalate	1.032	1.084	-5.0	69
88 T	3,3'-Dichlorobenzidine	0.561	0.565	-0.8	70
89 T	Benzo[a]anthracene	1.397	1.430	-2.3	70
90 T	Chrysene	1.386	1.376	0.7	70
91 T	bis(2-Ethylhexyl)phthalate	1.430	1.526	-6.7	69
92 I	Perylene-d12	1.000	1.000	0.0	59
93 TC	Di-n-octylphthalate	2.281	2.471	-8.3	68
94 T	Benzo[b]fluoranthene	1.520	1.526	-0.4	63
95 T	Benzo[k]fluoranthene	1.377	1.325	3.7	62
96 T	7,12-Dimethylbenz(a)anthracene	0.454	0.413	9.2	64
97 TC	Benzo[a]pyrene	1.409	1.356	3.7	59
98 T	3-Methylcholanthrene	0.718	0.709	1.3	58
99 T	Dibenzo(a,j)acridine	1.161	1.283	-10.6	56
100 T	Indeno[1,2,3-cd]pyrene	1.337	1.677	-25.4#	65
101 T	Dibenz[a,h]anthracene	1.278	1.396	-9.2	56
102 T	Benzo[g,h,i]perylene	1.347	1.544	-14.6	56

Quantitation Report

Data File : C:\HPCHEM\1\DATA\JAN1995\SV0108.D
 Acq On : 20 Jan 96 8:55 am
 Sample : SSTD50
 Misc : SEMI TEST WATER 01, 1L
 Quant Time: Jan 20 9:22 1996

Vial: 2
 Operator:
 Inst : 5972 - 35
 Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\MEBNA.M
 Title : Method 8270
 Last Update : Fri Jan 19 10:39:21 1996
 Response via : Multiple Level Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev (Min)
1) 1,4-Dichlorobenzene-d4	5.59	152	175088	40.00	ug/L	-0.02
20) Naphthalene-d8	7.02	136	577736	40.00	ug/L	-0.02
40) Acenaphthene-d10	9.77	164	304700	40.00	ug/L	-0.03
67) Phenanthrene-d10	12.53	188	385768	40.00	ug/L	-0.03
82) Chrysene-d12	17.84	240	295079	40.00	ug/L	-0.03
92) Perylene-d12	20.90	264	304245	40.00	ug/L	-0.05

System Monitoring Compounds						%Recovery
5) 2-Fluorophenol	4.47	112	392673	55.46	ug/L	27.73%
7) Phenol-d5	5.26	99	457155	56.71	ug/L	28.36%
22) Nitrobenzene-d5	6.17	82	331934	57.17	ug/L	57.17%
44) 2-Fluorobiphenyl	8.60	172	555553	55.96	ug/L	55.96%
66) 2,4,6-Tribromophenol	11.23	330	57287	51.81	ug/L	25.90%
85) Terphenyl-d14	15.75	244	392399	51.81	ug/L	51.81%

Target Compounds						Qvalue
2) N-nitrosodimethylamine	2.81	42	213671	56.18	ug/L	98
3) 2-Picoline	3.85	93	430803	55.37	ug/L	96
4) Methyl methanesulfonate	4.34	80	222846	57.58	ug/L	96
6) bis(2-Chloroethyl) ether	5.35	93	361091	51.26	ug/L	96
8) Phenol	5.27	94	463138	57.19	ug/L	91
9) 2-Chlorophenol	5.42	128	345198	55.23	ug/L	91
10) 1,3-Dichlorobenzene	5.56	146	361622	54.21	ug/L	98
11) 1,4-Dichlorobenzene	5.60	146	371199	55.56	ug/L	99
12) 1,2-Dichlorobenzene	5.79	146	350930	55.39	ug/L	99
13) Aniline	5.32	93	572597	59.92	ug/L	96
14) Benzyl alcohol	5.72	108	223282	55.54	ug/L	92
15) bis(2-chloroisopropyl) ethe	5.88	45	537987	56.53	ug/L	99
16) 2-Methylphenol	5.83	108	325304	56.99	ug/L	97
17) 4-Methylphenol	5.96	108	330880	56.46	ug/L	100
18) Hexachloroethane	6.12	117	159073	56.57	ug/L	91
19) N-Nitroso-di-n-propylamine	6.02	70	254413	57.24	ug/L	90
21) Acetophenone	6.01	105	468735	50.95	ug/L	100
23) Nitrobenzene	6.20	77	348507	57.56	ug/L	95
24) N-nitrosopiperidine	6.36	114	171844	54.89	ug/L	100
25) Isophorone	6.45	82	635888	56.62	ug/L	96
26) 2-Nitrophenol	6.56	139	217074	58.62	ug/L	97
27) 2,4-Dimethylphenol	6.56	107	290926	56.81	ug/L	98
28) Benzoic Acid	6.63	122	179016	56.43	ug/L	100
29) bis(2-Chloroethoxy) methane	6.69	93	429611	56.16	ug/L	99
30) 2,4-Dichlorophenol	6.83	162	248027	56.57	ug/L	95
31) 1,1-Dimethylphenethylamine	6.85	58	880268	57.98	ug/L	100

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

SV0108.D MEBNA.M

Sat Jan 20 09:23:11 1996

HP LASERJET 4 PWBgeON L

Quantitation Report

Data File : C:\HPCHEM\1\DATA\JAN1995\SV0108.D
 Acq On : 20 Jan 96 8:55 am
 Sample : SSTD50
 Misc : SEMI TEST WATER 01, 1L
 Quant Time: Jan 20 9:22 1996

Vial: 2
 Operator:
 Inst : 5972 - 35
 Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\MEBNA.M
 Title : Method 8270
 Last Update : Fri Jan 19 10:39:21 1996
 Response via : Multiple Level Calibration

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
32) 1,2,4-Trichlorobenzene	6.95	180	256534	55.71	ug/L	99
33) Naphthalene	7.04	128	891026	56.68	ug/L	100
34) 4-Chloroaniline	7.10	127	351787	55.22	ug/L	97
35) Hexachlorobutadiene	7.27	225	118855	56.70	ug/L	97
36) 2,6-Dichlorophenol	7.13	162	255713	56.52	ug/L	100
37) 4-Chloro-3-methylphenol	7.73	107	264003	56.33	ug/L	95
38) N-nitrosodibutylamine	7.58	84	201609	54.94	ug/L	100
39) 2-Methylnaphthalene	8.01	142	444507	56.84	ug/L	99
41) Hexachlorocyclopentadiene	8.35	237	35282	54.52	ug/L	99
42) 2,4,6-Trichlorophenol	8.47	196	120074	54.66	ug/L	97
43) 2,4,5-Trichlorophenol	8.52	196	151496	55.50	ug/L	99
45) 2-Chloronaphthalene	8.78	162	492951	55.41	ug/L	99
46) 1,2,4,5-Tetrachlorobenzen	8.33	216	193502	54.93	ug/L	100
47) 2-Nitroaniline	8.98	65	162247	56.39	ug/L	91
48) Acenaphthylene	9.49	152	509504	54.48	ug/L	99
49) Dimethylphthalate	9.34	163	568034	54.99	ug/L	98
50) 2,6-Dinitrotoluene	9.47	165	129461	54.29	ug/L	97
51) Acenaphthene	9.83	153	484352	56.30	ug/L	99
52) 1-Chloronaphthalene	8.84	162	476439	55.44	ug/L	99
53) 3-Nitroaniline	9.70	138	169540	54.31	ug/L	96
54) 2,4-Dinitrophenol	9.89	184	60430	53.84	ug/L #	82
55) Dibenzofuran	10.10	168	684215	55.21	ug/L	97
56) 2,4-Dinitrotoluene	10.17	165	170320	52.82	ug/L	94
57) 4-Nitrophenol	9.96	109	77535	53.62	ug/L	97
58) Pentachlorobenzene	10.15	250	150823	52.74	ug/L	99
59) 2-Naphthylamine	10.26	143	375524	52.72	ug/L	99
60) Fluorene	10.74	166	510440	56.46	ug/L	98
61) 4-Chlorophenyl-phenylether	10.74	204	214299	56.13	ug/L	97
62) Diethylphthalate	10.64	149	586416	54.43	ug/L	99
63) 1-Naphthylamine	10.39	143	366474	54.79	ug/L	99
64) 2,3,4,6-Tetrachlorophenol	10.40	232	107820	54.46	ug/L	100
65) 4-Nitroaniline	10.83	138	175639	53.59	ug/L	95
68) 4,6-Dinitro-2-methylphenol	10.92	198	77600	54.54	ug/L	100
69) Diphenylamine	10.98	169	793394	57.03	ug/L	99
70) N-Nitrosodiphenylamine	10.98	169	793394	57.03	ug/L	99
71) 4-Bromophenyl-phenylether	11.67	248	106577	53.39	ug/L	97
72) Phenacetin	11.62	108	304358	53.90	ug/L	100
73) Hexachlorobenzene	11.95	284	116894	53.72	ug/L	99
74) Pentachlorophenol	12.28	266	80225	54.67	ug/L	97
75) 4-Aminobiphenyl	10.98	169	793394	57.03	ug/L	99
76) Pronamide	12.39	173	223389	53.30	ug/L	99
77) Phenanthrene	12.58	178	680888	57.10	ug/L	100

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

Quantitation Report

Data File : C:\HPCHEM\1\DATA\JAN1995\SV0108.D
 Acq On : 20 Jan 96 8:55 am
 Sample : SSTD50
 Misc : SEMI TEST WATER 01, 1L
 Quant Time: Jan 20 9:22 1996

Vial: 2
 Operator:
 Inst : 5972 - 35
 Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\MEBNA.M
 Title : Method 8270
 Last Update : Fri Jan 19 10:39:21 1996
 Response via : Multiple Level Calibration

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
78) Anthracene	12.66	178	677004	56.06	ug/L	99
79) Pentachloronitrobenzene	12.46	295	19762	50.91	ug/L	80
80) Di-n-butylphthalate	13.84	149	952684	53.85	ug/L	99
81) Fluoranthene	14.95	202	606032	53.51	ug/L	96
83) Benzidine	15.23	184	364470	51.46	ug/L	100
84) Pyrene	15.39	202	639992	51.80	ug/L	96
86) P-(dimethylamino) azobenze	16.08	120	221122	51.75	ug/L	98
87) Butylbenzylphthalate	16.84	149	399751	52.48	ug/L	93
88) 3,3'-Dichlorobenzidine	17.80	252	208479	50.41	ug/L	97
89) Benzo[a]anthracene	17.80	228	527428	51.16	ug/L	99
90) Chrysene	17.88	228	507707	49.65	ug/L	99
91) bis(2-Ethylhexyl)phthalate	18.06	149	562751	53.34	ug/L	100
93) Di-n-octylphthalate	19.25	149	939637	54.17	ug/L	100
94) Benzo[b]fluoranthene	19.99	252	580478	50.22	ug/L	99
95) Benzo[k]fluoranthene	20.05	252	503911	48.13	ug/L	100
96) 7,12-Dimethylbenz(a)anthar	20.05	256	156938	45.42	ug/L	100
97) Benzo[a]pyrene	20.76	252	515791	48.13	ug/L	97
98) 3-Methylchlolanthrene	21.80	268	269478	49.37	ug/L	99
99) Dibenzo(a,j) acridine	23.58	279	488113	55.28	ug/L	100
100) Indeno[1,2,3-cd]pyrene	24.22	276	637869	62.72	ug/L	96
101) Dibenz[a,h]anthracene	24.30	278	530793	54.62	ug/L	97
102) Benzo[g,h,i]perylene	25.19	276	587184	57.32	ug/L	99

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

SV0108.D MEBNA.M

Sat Jan 20 09:23:16 1996

HP LASERJET 4 PPSseON LP

Quantitation Report

Data File : C:\HPCHEM\1\DATA\JAN1995\SV0108.D
 Acq On : 20 Jan 96 8:55 am
 Sample : SSTD50
 Misc : SEMI TEST WATER 01, 1L
 Quant Time: Jan 20 9:22 1996

Vial: 2
 Operator:
 Inst : 5972 - 35
 Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\MEBNA.M
 Title : Method 8270
 Last Update : Fri Jan 19 10:39:21 1996
 Response via : Multiple Level Calibration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\JAN1995\SV0108.D
Acq On : 20 Jan 96 8:55 am
Sample : SSTD50
Misc : SEMI TEST WATER 01, 1L
Quant Time: Jan 20 9:22 1996

Vial: 2
Operator:
Inst : 5972 - 35
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\MEBNA.M
Title : Method 8270
Last Update : Fri Jan 19 10:39:21 1996
Response via : Multiple Level Calibration

Method 8270 Results

C:\HPCHEM\1\DATA\JAN2295\SV0116.D

Mon Jan 22 07:25:15 1996

Peak Apex is scan: 301

Average of 3 scans: 300,301,302 minus background scan 296

Target Mass	Comparison Mass	Lower Limit, %	Upper Limit, %	Relative Abundance, %	Result Pass/Fail
51	198	30	60	44.2	PASS
68	69	0	2	0.0	PASS
69	198	0	100	58.1	PASS
70	69	0	2	0.1	PASS
127	198	40	60	43.1	PASS
197	198	0	1	0.0	PASS
198	198	100	100	100.0	PASS
199	198	5	9	7.1	PASS
275	198	10	30	20.0	PASS
365	198	1	100	2.5	PASS
441	443	0	100	83.7	PASS
442	198	40	100	57.8	PASS
443	442	17	23	19.1	PASS

Method : C:\HPCHEM\1\METHODS\MEBNA.M
 Title : Method 8270
 Last Update : Mon Jan 22 08:23:02 1996
 Response via : Initial Calibration

Continuing Calibration File: SV0117.D

Min. RRF : 0.000 Min. Rel. Area : 50%
 Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%
1 I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	105
2 T	N-nitrosodimethylamine	0.869	0.913	-5.1	98
3 T	2-Picoline	1.777	1.901	-6.9	101
4 T	Methyl methanesulfonate	0.884	0.920	-4.1	96
5 S	2-Fluorophenol	1.617	1.786	-10.4	105
6 T	bis(2-Chloroethyl)ether	1.609	1.686	-4.8	100
7 S	Phenol-d5	1.842	2.033	-10.4	103
8 MC	Phenol	1.850	2.042	-10.4	102
9 M	2-Chlorophenol	1.428	1.551	-8.6	102
10 T	1,3-Dichlorobenzene	1.524	1.713	-12.4	106
11 MC	1,4-Dichlorobenzene	1.526	1.663	-8.9	102
12 T	1,2-Dichlorobenzene	1.448	1.581	-9.2	102
13 T	Aniline	2.183	2.339	-7.1	100
14 T	Benzyl alcohol	0.918	0.983	-7.0	101
15 T	bis(2-chloroisopropyl)ether	2.174	2.272	-4.5	99
16 T	2-Methylphenol	1.304	1.419	-8.8	102
17 T	4-Methylphenol	1.339	1.438	-7.4	101
18 T	Hexachloroethane	0.642	0.689	-7.3	101
19 MP	N-Nitroso-di-n-propylamine	1.015	1.067	-5.1	98
20 I	Naphthalene-d8	1.000	1.000	0.0	96
21 T	Acetophenone	0.637	0.642	-0.7	99
22 S	Nitrobenzene-d5	0.402	0.453	-12.7	101
23 T	Nitrobenzene	0.419	0.477	-13.7	100
24 T	N-nitrosopiperidine	0.217	0.240	-10.7	99
25 T	Isophorone	0.778	0.859	-10.5	98
26 TC	2-Nitrophenol	0.256	0.304	-18.4	103
27 T	2,4-Dimethylphenol	0.355	0.401	-13.1	99
28 T	Benzoic Acid	0.220	0.225	-2.5	96
29 T	bis(2-Chloroethoxy)methane	0.530	0.587	-10.8	98
30 TC	2,4-Dichlorophenol	0.304	0.347	-14.4	102
31 T	1,1-Dimethylphenethylamine	1.051	1.127	-7.3	97
32 M	1,2,4-Trichlorobenzene	0.319	0.362	-13.6	101
33 T	Naphthalene	1.088	1.241	-14.1	99
34 T	4-Chloroaniline	0.441	0.487	-10.4	98
35 TC	Hexachlorobutadiene	0.145	0.171	-17.6	104
36 T	2,6-Dichlorophenol	0.313	0.355	-13.3	101
37 MC	4-Chloro-3-methylphenol	0.324	0.347	-7.1	96
38 T	N-nitrosodibutylamine	0.254	0.272	-7.2	95
39 T	2-Methylnaphthalene	0.541	0.606	-11.9	98
40 I	Acenaphthene-d10	1.000	1.000	0.0	96

(#) = Out of Range

Method : C:\HPCHEM\1\METHODS\MEBNA.M
 Title : Method 8270
 Last Update : Mon Jan 22 08:23:02 1996
 Response via : Initial Calibration

Continuing Calibration File: SV0117.D

Min. RRF : 0.000 Min. Rel. Area : 50%
 Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRRF	CCRF	%Dev	Area%
41 TP	Hexachlorocyclopentadiene	0.085	0.093	-9.2	101
42 TC	2,4,6-Trichlorophenol	0.288	0.322	-11.8	102
43 T	2,4,5-Trichlorophenol	0.358	0.400	-11.6	100
44 S	2-Fluorobiphenyl	1.303	1.510	-15.9	102
45 T	2-Chloronaphthalene	1.168	1.320	-13.0	98
46 T	1,2,4,5-Tetrachlorobenzene	0.462	0.520	-12.4	100
47 T	2-Nitroaniline	0.378	0.415	-10.0	102
48 M	Acenaphthylene	1.228	1.358	-10.6	97
49 T	Dimethylphthalate	1.356	1.478	-9.0	97
50 T	2,6-Dinitrotoluene	0.313	0.341	-8.8	100
51 TC	Acenaphthene	1.129	1.275	-12.9	96
52 T	1-Chloronaphthalene	1.128	1.247	-10.5	97
53 T	3-Nitroaniline	0.410	0.441	-7.6	97
54 TP	2,4-Dinitrophenol	0.147	0.168	-13.8	118
55 T	Dibenzofuran	1.627	1.800	-10.6	98
56 M	2,4-Dinitrotoluene	0.423	0.452	-6.8	98
57 MP	4-Nitrophenol	0.190	0.197	-3.8	98
58 T	Pentachlorobenzene	0.375	0.407	-8.3	94
59 T	2-Naphthylamine	0.935	1.003	-7.3	94
60 T	Fluorene	1.187	1.371	-15.5	98
61 T	4-Chlorophenyl-phenylether	0.501	0.570	-13.6	98
62 T	Diethylphthalate	1.414	1.514	-7.1	96
63 T	1-Naphthylamine	0.878	0.971	-10.6	96
64 T	2,3,4,6-Tetrachlorophenol	0.260	0.288	-10.9	100
65 T	4-Nitroaniline	0.430	0.463	-7.5	99
66 S	2,4,6-Tribromophenol	0.145	0.161	-11.0	100
67 I	Phenanthrene-d10	1.000	1.000	0.0	96
68 T	4,6-Dinitro-2-methylphenol	0.148	0.166	-12.6	109
69 T	Diphenylamine	1.442	1.690	-17.1	101
70 TC	N-Nitrosodiphenylamine	1.442	1.690	-17.1	101
71 T	4-Bromophenyl-phenylether	0.207	0.228	-10.1	99
72 T	Phenacetin	0.586	0.616	-5.2	95
73 T	Hexachlorobenzene	0.226	0.245	-8.7	95
74 MC	Pentachlorophenol	0.152	0.169	-10.9	101
75 T	4-Aminobiphenyl	1.442	1.690	-17.1	101
76 T	Pronamide	0.435	0.465	-7.1	95
77 T	Phenanthrene	1.236	1.389	-12.3	98
78 T	Anthracene	1.252	1.399	-11.7	98
79 T	Pentachloronitrobenzene	0.040	0.044	-8.7	97
80 TC	Di-n-butylphthalate	1.834	1.969	-7.3	94
81 TC	Fluoranthene	1.174	1.267	-7.9	97

(#) = Out of Range

Method : C:\HPCHEM\1\METHODS\MEBNA.M
 Title : Method 8270
 Last Update : Mon Jan 22 08:23:02 1996
 Response via : Initial Calibration

Continuing Calibration File: SV0117.D

Min. RRF : 0.000 Min. Rel. Area : 50%
 Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%
82 I	Chrysene-d12	1.000	1.000	0.0	100
83 T	Benzidine	0.960	0.974	-1.4	97
84 M	Pyrene	1.675	1.672	0.1	98
85 S	Terphenyl-d14	1.027	1.040	-1.3	99
86 T	P-(dimethylamino) azobenzene	0.579	0.567	2.2	95
87 T	Butylbenzylphthalate	1.032	1.021	1.1	94
88 T	3,3'-Dichlorobenzidine	0.561	0.571	-1.8	103
89 T	Benzo[a]anthracene	1.397	1.410	-0.9	101
90 T	Chrysene	1.386	1.358	2.1	101
91 T	bis(2-Ethylhexyl)phthalate	1.430	1.392	2.7	91
92 I	Perylene-d12	1.000	1.000	0.0	98
93 TC	Di-n-octylphthalate	2.281	2.043	10.4	95
94 T	Benzo[b]fluoranthene	1.520	1.383	9.0	95
95 T	Benzo[k]fluoranthene	1.377	1.418	-3.0	112
96 T	7,12-Dimethylbenz(a)anthracene	0.454	0.394	13.4	103
97 TC	Benzo[a]pyrene	1.409	1.391	1.3	102
98 T	3-Methylcholanthrene	0.718	0.721	-0.5	98
99 T	Dibenzo(a,j)acridine	1.161	1.220	-5.1	89
100 T	Indeno[1,2,3-cd]pyrene	1.337	1.390	-3.9	90
101 T	Dibenz[a,h]anthracene	1.278	1.360	-6.5	91
102 T	Benzo[g,h,i]perylene	1.347	1.488	-10.5	91

Quantitation Report

Data File : C:\HPCHEM\1\DATA\JAN2295\SV0117.D
 Acq On : 22 Jan 96 7:39 am
 Sample : SSTD50
 Misc :
 Quant Time: Jan 22 8:21 1996

Vial: 2
 Operator:
 Inst : 5972 - 35
 Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\MEBNA.M
 Title : Method 8270
 Last Update : Mon Jan 22 08:15:29 1996
 Response via : Multiple Level Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.59	152	250988	40.00	ug/L	0.00
20) Naphthalene-d8	7.02	136	792300	40.00	ug/L	0.00
40) Acenaphthene-d10	9.77	164	416798	40.00	ug/L	0.00
67) Phenanthrene-d10	12.53	188	531771	40.00	ug/L	0.00
82) Chrysene-d12	17.85	240	430699	40.00	ug/L	0.00
92) Perylene-d12	20.91	264	510463	40.00	ug/L	0.00

System Monitoring Compounds						%Recovery
5) 2-Fluorophenol	4.48	112	560193	55.20	ug/L	27.60%
7) Phenol-d5	5.26	99	637681	55.19	ug/L	27.59%
22) Nitrobenzene-d5	6.18	82	448598	56.34	ug/L	56.34%
44) 2-Fluorobiphenyl	8.61	172	786623	57.93	ug/L	57.93%
66) 2,4,6-Tribromophenol	11.24	330	83981	55.52	ug/L	27.76%
85) Terphenyl-d14	15.76	244	560054	50.66	ug/L	50.66%

Target Compounds						Qvalue
2) N-nitrosodimethylamine	2.82	42	286570	52.56	ug/L	98
3) 2-Picoline	3.87	93	596337	53.47	ug/L	95
4) Methyl methanesulfonate	4.34	80	288747	52.05	ug/L	98
6) bis(2-Chloroethyl) ether	5.37	93	528935	52.38	ug/L	99
8) Phenol	5.27	94	640612	55.19	ug/L	95
9) 2-Chlorophenol	5.43	128	486544	54.30	ug/L	94
10) 1,3-Dichlorobenzene	5.57	146	537356	56.19	ug/L	100
11) 1,4-Dichlorobenzene	5.62	146	521647	54.46	ug/L	99
12) 1,2-Dichlorobenzene	5.80	146	495979	54.61	ug/L	99
13) Aniline	5.32	93	733771	53.56	ug/L	100
14) Benzyl alcohol	5.73	108	308464	53.52	ug/L	92
15) bis(2-chloroisopropyl) ethe	5.88	45	712688	52.24	ug/L	99
16) 2-Methylphenol	5.83	108	445155	54.40	ug/L	100
17) 4-Methylphenol	5.96	108	451296	53.72	ug/L	100
18) Hexachloroethane	6.12	117	216301	53.66	ug/L	87
19) N-Nitroso-di-n-propylamine	6.02	70	334716	52.53	ug/L	90
21) Acetophenone	6.01	105	635397	50.36	ug/L	100
23) Nitrobenzene	6.20	77	472047	56.86	ug/L	97
24) N-nitrosopiperidine	6.37	114	237588	55.34	ug/L	100
25) Isophorone	6.45	82	851155	55.26	ug/L	99
26) 2-Nitrophenol	6.56	139	300636	59.20	ug/L	88
27) 2,4-Dimethylphenol	6.56	107	397291	56.57	ug/L	96
28) Benzoic Acid	6.63	122	223037	51.26	ug/L	100
29) bis(2-Chloroethoxy) methane	6.69	93	581102	55.40	ug/L	99
30) 2,4-Dichlorophenol	6.83	162	343999	57.21	ug/L	95
31) 1,1-Dimethylphenethylamine	6.86	58	1116590	53.63	ug/L	100

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

Quantitation Report

Data File : C:\HPCHEM\1\DATA\JAN2295\SV0117.D
 Acq On : 22 Jan 96 7:39 am
 Sample : SST50
 Misc :
 Quant Time: Jan 22 8:21 1996

Vial: 2
 Operator:
 Inst : 5972 - 35
 Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\MEBNA.M
 Title : Method 8270
 Last Update : Mon Jan 22 08:15:29 1996
 Response via : Multiple Level Calibration

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
32) 1,2,4-Trichlorobenzene	6.96	180	358524	56.78	ug/L	98
33) Naphthalene	7.05	128	1229412	57.03	ug/L	100
34) 4-Chloroaniline	7.12	127	482363	55.21	ug/L	100
35) Hexachlorobutadiene	7.27	225	169030	58.79	ug/L	96
36) 2,6-Dichlorophenol	7.13	162	351573	56.66	ug/L	100
37) 4-Chloro-3-methylphenol	7.75	107	344106	53.54	ug/L	94
38) N-nitrosodibutylamine	7.58	84	269696	53.59	ug/L	98
39) 2-Methylnaphthalene	8.01	142	600241	55.97	ug/L	100
41) Hexachlorocyclopentadiene	8.37	237	48331	54.60	ug/L	97
42) 2,4,6-Trichlorophenol	8.47	196	167931	55.89	ug/L	96
43) 2,4,5-Trichlorophenol	8.53	196	208303	55.79	ug/L	98
45) 2-Chloronaphthalene	8.78	162	687807	56.52	ug/L	99
46) 1,2,4,5-Tetrachlorobenzene	8.33	216	270777	56.19	ug/L	99
47) 2-Nitroaniline	8.99	65	216418	54.99	ug/L	98
48) Acenaphthylene	9.51	152	707355	55.29	ug/L	99
49) Dimethylphthalate	9.35	163	770180	54.51	ug/L	99
50) 2,6-Dinitrotoluene	9.47	165	177521	54.42	ug/L	96
51) Acenaphthene	9.83	153	664389	56.46	ug/L	98
52) 1-Chloronaphthalene	8.84	162	649738	55.27	ug/L	100
53) 3-Nitroaniline	9.70	138	229759	53.81	ug/L	93
54) 2,4-Dinitrophenol	9.89	184	87395	56.92	ug/L	92
55) Dibenzofuran	10.12	168	937858	55.32	ug/L	100
56) 2,4-Dinitrotoluene	10.18	165	235638	53.42	ug/L	92
57) 4-Nitrophenol	9.97	109	102699	51.92	ug/L #	93
58) Pentachlorobenzene	10.16	250	211793	54.14	ug/L	99
59) 2-Naphthylamine	10.26	143	522707	53.64	ug/L	99
60) Fluorene	10.75	166	714204	57.75	ug/L	99
61) 4-Chlorophenyl-phenylether	10.76	204	296761	56.82	ug/L	96
62) Diethylphthalate	10.65	149	788794	53.53	ug/L	98
63) 1-Naphthylamine	10.39	143	505781	55.28	ug/L	98
64) 2,3,4,6-Tetrachlorophenol	10.41	232	150149	55.44	ug/L	100
65) 4-Nitroaniline	10.83	138	241084	53.77	ug/L	97
68) 4,6-Dinitro-2-methylphenol	10.93	198	110449	56.32	ug/L	100
69) Diphenylamine	10.99	169	1123137	58.57	ug/L	98
70) N-Nitrosodiphenylamine	10.99	169	1123137	58.57	ug/L	98
71) 4-Bromophenyl-phenylether	11.68	248	151500	55.05	ug/L	94
72) Phenacetin	11.63	108	409390	52.59	ug/L	99
73) Hexachlorobenzene	11.95	284	162974	54.33	ug/L	94
74) Pentachlorophenol	12.29	266	112187	55.46	ug/L	99
75) 4-Aminobiphenyl	10.99	169	1123137	58.57	ug/L	98
76) Pronamide	12.39	173	309234	53.53	ug/L	99
77) Phenanthrene	12.58	178	923045	56.16	ug/L	100

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

Quantitation Report

Data File : C:\HPCHEM\1\DATA\JAN2295\SV0117.D
 Acq On : 22 Jan 96 7:39 am
 Sample : SSTD50
 Misc :
 Quant Time: Jan 22 8:21 1996

Vial: 2
 Operator:
 Inst : 5972 - 35
 Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\MEBNA.M
 Title : Method 8270
 Last Update : Mon Jan 22 08:15:29 1996
 Response via : Multiple Level Calibration

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
78) Anthracene	12.66	178	929914	55.87	ug/L	99
79) Pentachloronitrobenzene	12.46	295	29089	54.36	ug/L	91
80) Di-n-butylphthalate	13.84	149	1308569	53.66	ug/L	99
81) Fluoranthene	14.95	202	841992	53.93	ug/L	98
83) Benzidine	15.23	184	524260	50.71	ug/L	100
84) Pyrene	15.39	202	900373	49.93	ug/L	97
86) P-(dimethylamino) azobenze	16.08	120	305069	48.92	ug/L	98
87) Butylbenzylphthalate	16.84	149	549645	49.44	ug/L	92
88) 3,3'-Dichlorobenzidine	17.82	252	307186	50.89	ug/L	97
89) Benzo[a]anthracene	17.82	228	759343	50.46	ug/L	99
90) Chrysene	17.90	228	730878	48.97	ug/L	99
91) bis(2-Ethylhexyl)phthalate	18.07	149	749189	48.65	ug/L	98
93) Di-n-octylphthalate	19.26	149	1303459	44.79	ug/L	99
94) Benzo[b]fluoranthene	20.01	252	882547	45.51	ug/L	97
95) Benzo[k]fluoranthene	20.07	252	905024	51.52	ug/L	95
96) 7,12-Dimethylbenz(a)anthar	20.05	256	251115	43.32	ug/L	100
97) Benzo[a]pyrene	20.77	252	887336	49.35	ug/L	97
98) 3-Methylchlolanthrene	21.81	268	460029	50.24	ug/L	100
99) Dibenzo(a,j) acridine	23.61	279	778316	52.53	ug/L	100
100) Indeno[1,2,3-cd]pyrene	24.23	276	886827	51.97	ug/L	98
101) Dibenz[a,h]anthracene	24.33	278	867945	53.23	ug/L	99
102) Benzo[g,h,i]perylene	25.22	276	949230	55.23	ug/L	97

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

SV0117.D MEBNA.M

Mon Jan 22 08:21:40 1996

HP LASERJET 4 PBMgeON LF

Quantitation Report

Data File : C:\HPCHEM\1\DATA\JAN2295\SV0117.D
 Acq On : 22 Jan 96 7:39 am
 Sample : SSTD50
 Misc :
 Quant Time: Jan 22 8:21 1996

Vial: 2
 Operator:
 Inst : 5972 - 35
 Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\MEBNA.M
 Title : Method 8270
 Last Update : Mon Jan 22 08:15:29 1996
 Response via : Multiple Level Calibration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\JAN2295\SV0117.D
Acq On : 22 Jan 96 7:39 am
Sample : SSTD50
Misc :
Quant Time: Jan 22 8:21 1996

Vial: 2
Operator:
Inst : 5972 - 35
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\MEBNA.M
Title : Method 8270
Last Update : Mon Jan 22 08:15:29 1996
Response via : Multiple Level Calibration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\JAN1995\SV0097.D
 Acq On : 19 Jan 96 11:44 am
 Sample : SBLK01
 Misc :
 Quant Time: Jan 19 15:19 1996

Vial: 1
 Operator:
 Inst : 5972 - 35
 Multiplr: 2.00

Method : C:\HPCHEM\1\METHODS\MEBNA.M
 Title : Method 8270
 Last Update : Mon Jan 22 08:23:02 1996
 Response via : Multiple Level Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.61	152	192835	40.00	ug/L	0.00
20) Naphthalene-d8	7.04	136	584167	40.00	ug/L	0.00
40) Acenaphthene-d10	9.78	164	290117	40.00	ug/L	-0.01
67) Phenanthrene-d10	12.55	188	379977	40.00	ug/L	-0.01
82) Chrysene-d12	17.86	240	302171	40.00	ug/L	0.00
92) Perylene-d12	20.94	264	298980	40.00	ug/L	-0.01

System Monitoring Compounds						%Recovery
5) 2-Fluorophenol	4.49	112	291581	74.79	ug/L	37.39%
7) Phenol-d5	5.26	99	317065	71.43	ug/L	35.71%
22) Nitrobenzene-d5	6.19	82	212333	72.34	ug/L	72.34%
44) 2-Fluorobiphenyl	8.62	172	350414	74.14	ug/L	74.14%
66) 2,4,6-Tribromophenol	11.25	330	76181	144.72	ug/L	72.36%
85) Terphenyl-d14	15.77	244	282451	72.84	ug/L	72.84%

Target Compounds Qvalue

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

SV0097.D MEBNA.M

Mon Jan 22 12:01:28 1996

HP LASERJET 4 PBMSeON LP

Quantitation Report

Data File : C:\HPCHEM\1\DATA\JAN1995\SV0097.D
 Acq On : 19 Jan 96 11:44 am
 Sample : SBLK01
 Misc :
 Quant Time: Jan 19 15:19 1996

Vial: 1
 Operator:
 Inst : 5972 - 35
 Multiplr: 2.00

Method : C:\HPCHEM\1\METHODS\MEBNA.M
 Title : Method 8270
 Last Update : Mon Jan 22 08:23:02 1996
 Response via : Multiple Level Calibration

Diesel contamination from the gas tank.

Quantitation Report

Data File : C:\HPCHEM\1\DATA\JAN1995\SV0097.D
Acq On : 19 Jan 96 11:44 am
Sample : SBLK01
Misc :
Quant Time: Jan 19 15:19 1996

Vial: 1
Operator:
Inst : 5972 - 35
Multiplr: 2.00

Method : C:\HPCHEM\1\METHODS\MEBNA.M
Title : Method 8270
Last Update : Mon Jan 22 08:23:02 1996
Response via : Multiple Level Calibration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\JAN2295\SV0119.D
 Acq On : 22 Jan 96 9:41 am
 Sample : SBLK02
 Misc :
 Quant Time: Jan 22 10:52 1996

Vial: 4
 Operator:
 Inst : 5972 - 35
 Multiplr: 2.00

Method : C:\HPCHEM\1\METHODS\MEBNA.M
 Title : Method 8270
 Last Update : Mon Jan 22 08:23:02 1996
 Response via : Multiple Level Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev (Min)
1) 1,4-Dichlorobenzene-d4	5.60	152	363510	40.00	ug/L	0.00
20) Naphthalene-d8	7.02	136	1158133	40.00	ug/L	0.00
40) Acenaphthene-d10	9.77	164	620955	40.00	ug/L	0.00
67) Phenanthrene-d10	12.53	188	839900	40.00	ug/L	0.00
82) Chrysene-d12	17.84	240	637913	40.00	ug/L	-0.01
92) Perylene-d12	20.91	264	625465	40.00	ug/L	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	%Recovery
5) 2-Fluorophenol	4.48	112	447758	60.92	ug/L	30.46%
7) Phenol-d5	5.25	99	477881	57.11	ug/L	28.55%
22) Nitrobenzene-d5	6.18	82	318712	54.77	ug/L	54.77%
44) 2-Fluorobiphenyl	8.61	172	518447	51.25	ug/L	51.25%
66) 2,4,6-Tribromophenol	11.24	330	124786	110.75	ug/L	55.38%
85) Terphenyl-d14	15.76	244	443864	54.22	ug/L	54.22%

Target Compounds Qvalue

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

SV0119.D MEBNA.M

Mon Jan 22 11:56:26 1996

HP LASERJET 4 PBMgeON L.L

Quantitation Report

Data File : C:\HPCHEM\1\DATA\JAN2295\SV0119.D
 Acq On : 22 Jan 96 9:41 am
 Sample : SBLK02
 Misc :
 Quant Time: Jan 22 10:52 1996

Vial: 4
 Operator:
 Inst : 5972 - 35
 Multiplr: 2.00

Method : C:\HPCHEM\1\METHODS\MEBNA.M
 Title : Method 8270
 Last Update : Mon Jan 22 08:23:02 1996
 Response via : Multiple Level Calibration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\JAN2295\SV0119.D
 Acq On : 22 Jan 96 9:41 am
 Sample : SBLK02
 Misc :
 Quant Time: Jan 22 10:52 1996

Vial: 4
 Operator:
 Inst : 5972 - 35
 Multiplr: 2.00

Method : C:\HPCHEM\1\METHODS\MEBNA.M
 Title : Method 8270
 Last Update : Mon Jan 22 08:23:02 1996
 Response via : Multiple Level Calibration