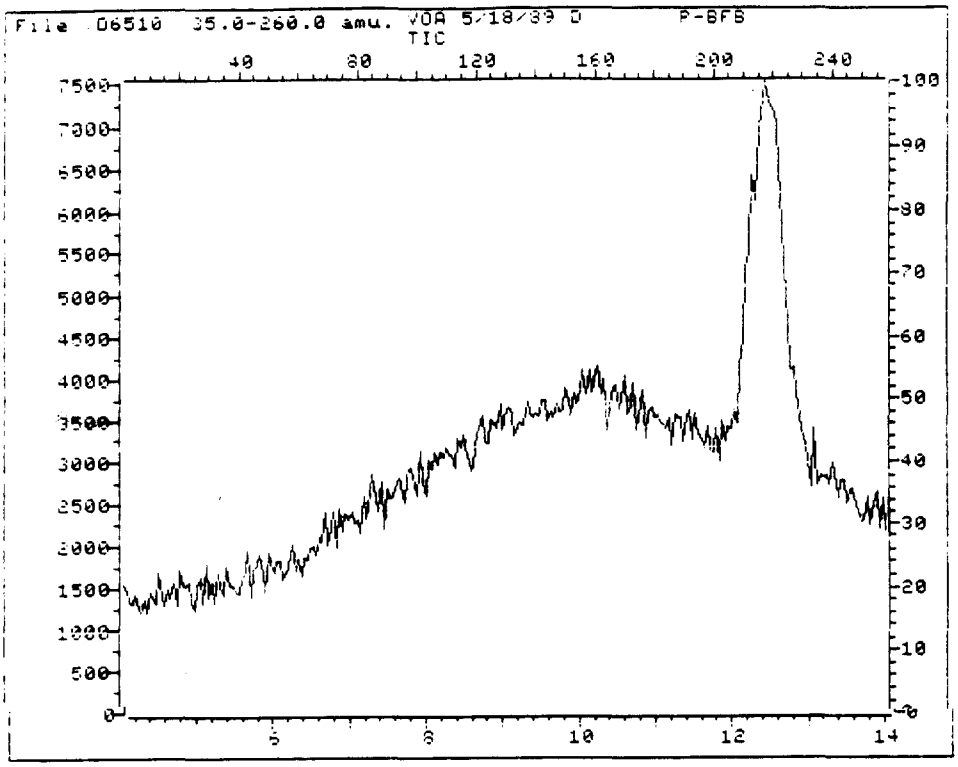
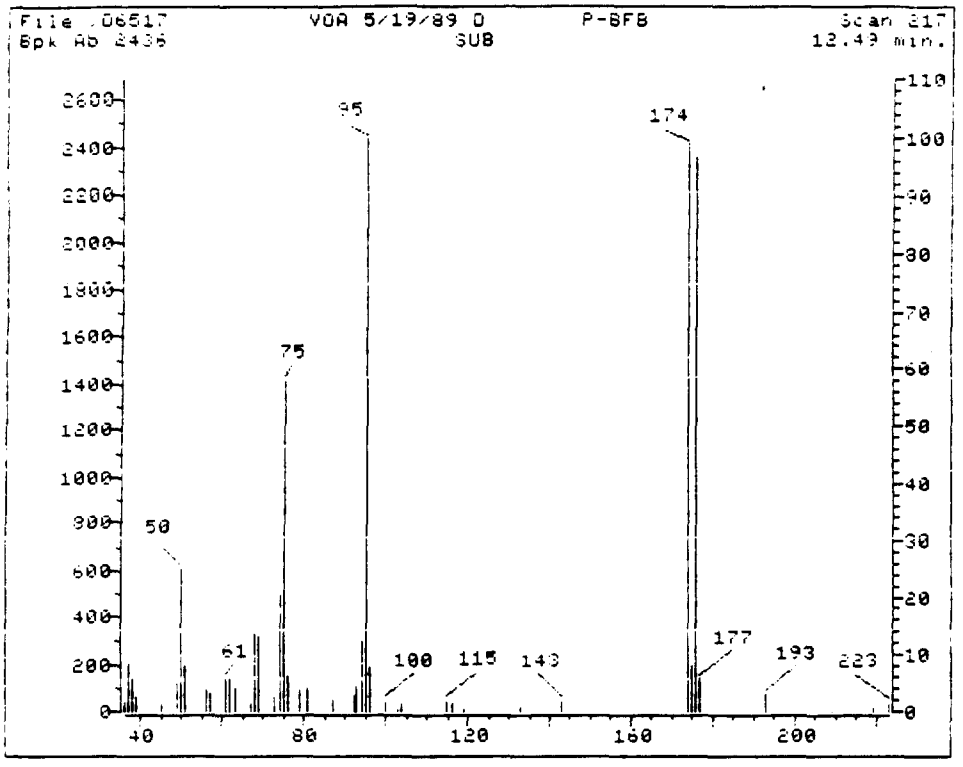
MS Data File: D6510::D0

Name: VOA 5-18 89 D Operator: SC4660 Date Time: 5-18-89 20:0b
Misc: P-BFB



MS Data File: :06517::U0

Name: VOA 5/19/89 D Operator: SC+oo0 Date Time: 5/19/89 9:41
Misc: P-BFB



MS Data File: D6517::UD

Name: UDA 5/19/89 D Operator: SC4ot0 Date Time: 5/19 89 9:41
Misc: P-BFB

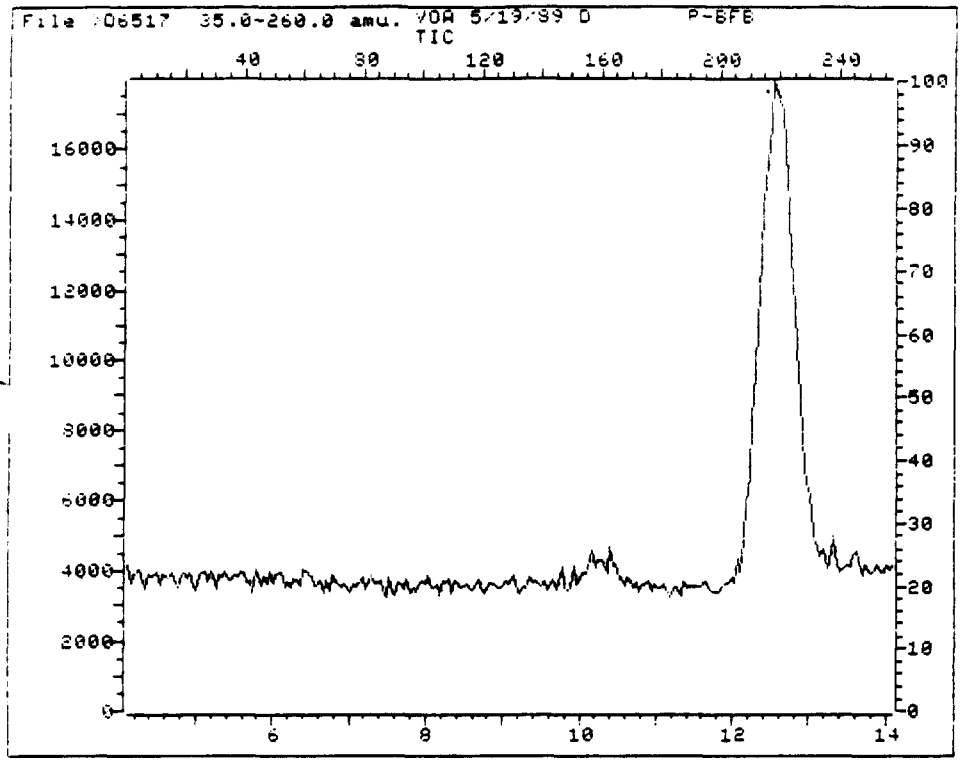
D6517 UDA 5/19/89 D P-BFB
217 SUB NRM

File: >D6517 Scan #: 217 Retn. time: 12.49

m/z	Int.	m/z	Int.	m/z	Int.	m/z	Int.	m/z	Int.
36.10	1.683	57.00	2.997	75.00	58.087	96.10	7.635	142.85	1.724
37.00	8.374	61.00	5.870	76.00	6.117	99.95	1.724	173.90	98.933
38.00	5.665	62.00	5.583	78.90	3.777	100.15	1.683	174.90	8.1e3
39.00	2.381	63.10	3.941	80.90	4.023	102.95	.328	175.90	96.e34
41.00	.123	67.10	1.355	86.90	2.094	103.75	1.478	176.90	5.747
45.00	1.396	68.00	13.711	92.10	2.709	114.95	1.765	193.00	2.915
49.00	5.542	69.00	13.218	93.00	4.885	115.95	1.232	209.00	.123
50.00	24.795	73.00	2.381	94.00	12.521	118.95	.411	219.00	.698
51.00	8.087	74.00	20.731	95.00	100.000	133.05	.575	223.00	1.519
56.00	3.859								

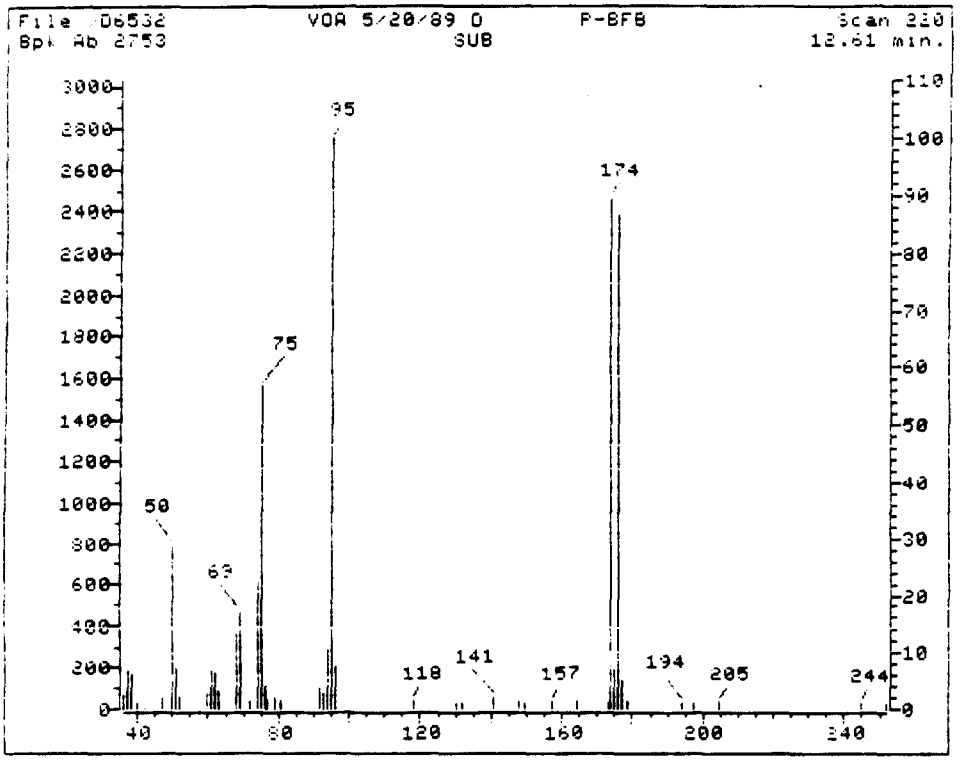
MS Data File: 06517::U0

Name: VOA 5/19/89 D Operator: SC4ob0 Date/Time: 5/19/89 9:41
Misc: P-BFB



MS Data File: D0532::D0

Name: VOA 5/20/89 0 Operator: TC32b5 Date Time: 5 20 89 9:49
Misc: P-BFB



MS Data File: D6532::U0

Name: VOA 5 20/89 D Operator: TC32e5 Date Time: 5/20 89 9:49
Misc: P-8FB

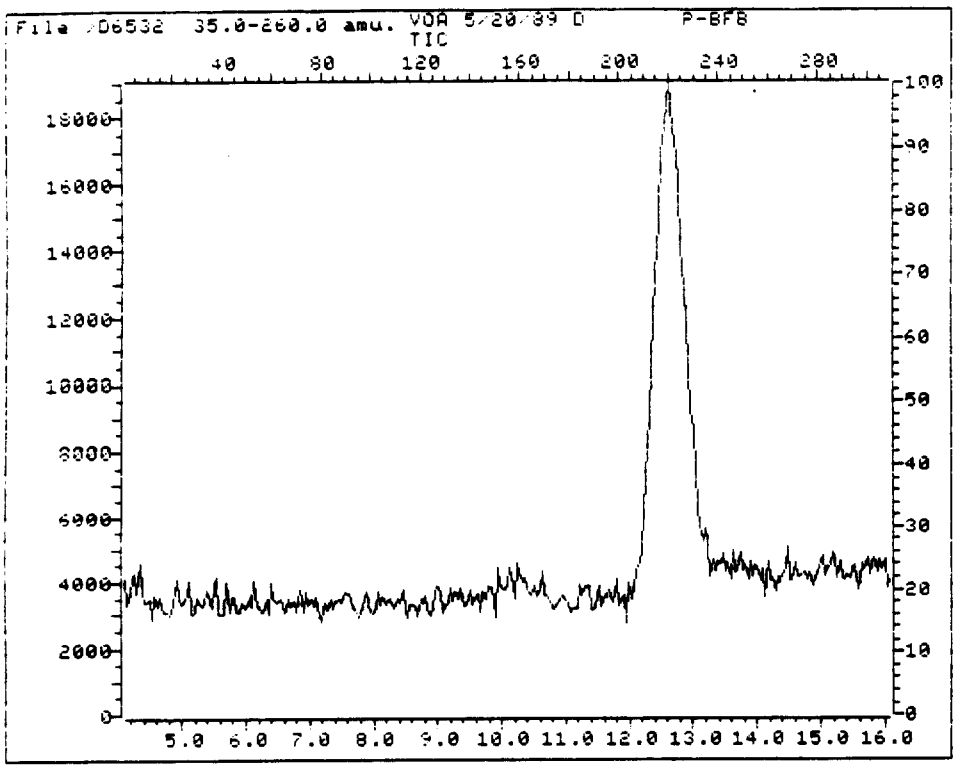
D6532 VOA 5/20/89 D P-8FB
220 SUB NRM

File: D6532 Scan #: 220 Retn. time: 12.61

m/z	Int.	m/z	Int.	m/z	Int.	m/z	Int.	m/z	Int.
36.10	2.252	59.80	2.797	76.80	1.816	130.05	1.199	174.90	2.156
37.00	8.756	61.00	6.684	78.80	2.107	131.75	1.199	175.90	86.778
39.00	6.030	62.00	8.466	80.80	1.526	140.85	2.070	176.90	8.231
40.00	.944	63.00	3.051	91.90	3.850	148.05	1.308	178.90	1.453
41.90	.073	68.00	13.331	93.00	2.833	149.65	1.017	194.20	1.053
47.30	1.925	69.00	16.673	94.00	10.316	156.95	1.344	197.50	1.017
50.00	28.442	71.70	1.344	95.00	100.000	164.10	1.417	204.80	1.308
51.00	7.228	74.00	22.267	96.10	7.265	172.90	1.126	244.65	.908
51.80	1.889	75.00	56.665	117.95	1.417	173.90	89.430	251.95	1.126
52.00	1.816	76.00	4.141						

MS Data File: Do972::U0

Name: VOH 5 20 89 D Operator: TC32o5 Date,Time: 5-20-89 9:49
Misc: P-BFB



1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

Lab Name: ETC Corp. Contract:

Lab Code: Case No.: SAS No.: SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: WC/00140

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: >C6329

Level: (low/med) LOW Date Received: 05/18/89

% Moisture: not dec. Date Analyzed: 05/18/89

Column: (pack/cap) PACK Dilution Factor: 1

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	3	J
67-64-1	Acetone	5	J
75-15-0	Carbon Disulfide	5	U
75-35-4	1,1-Dichloroethene	5	U
75-34-3	1,1-Dichloroethane	5	U
540-59-0	1,2-Dichloroethene (total)	5	U
67-66-3	Chloroform	5	U
107-06-2	1,2-Dichloroethane	5	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	5	U
56-23-5	Carbon Tetrachloride	5	U
108-05-4	Vinyl Acetate	10	U
75-27-4	Bromodichloromethane	5	U
78-87-5	1,2-Dichloropropane	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
79-01-6	Trichloroethene	5	U
124-48-1	Dibromochloromethane	5	U
79-00-5	1,1,2-Trichloroethane	5	U
71-43-2	Benzene	5	U
10061-02-6	trans-1,3-Dichloropropene	5	U
75-25-2	Bromoform	5	U
108-10-1	4-Methyl-2-Pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	5	U
79-34-5	1,1,2,2-Tetrachloroethane	5	U
108-88-3	Toluene	5	U
108-90-7	Chlorobenzene	5	U
100-41-4	Ethylbenzene	5	U
100-42-5	Styrene	5	U
1330-20-7	Xylene (total)	5	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: ETC Corp Contract: _____

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: AC70014V

Sample wt/vol: 5 (g/mL) µL Lab File ID: >C6329

Level: (low/med) LOW Date Received: 05/18/89

% Moisture: not dec. _____ Date Analyzed: 05/18/89

Column: (pack/cap) PACK Dilution Factor: 1

Number TICs found: 2 CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		Carbon dioxide	1.73		
2.		Carbon dioxide	1.26		
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					
11.					
12.					
13.					
14.					
15.					
16.					
17.					
18.					
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20.					
21.					
22.					
23.					
24.					
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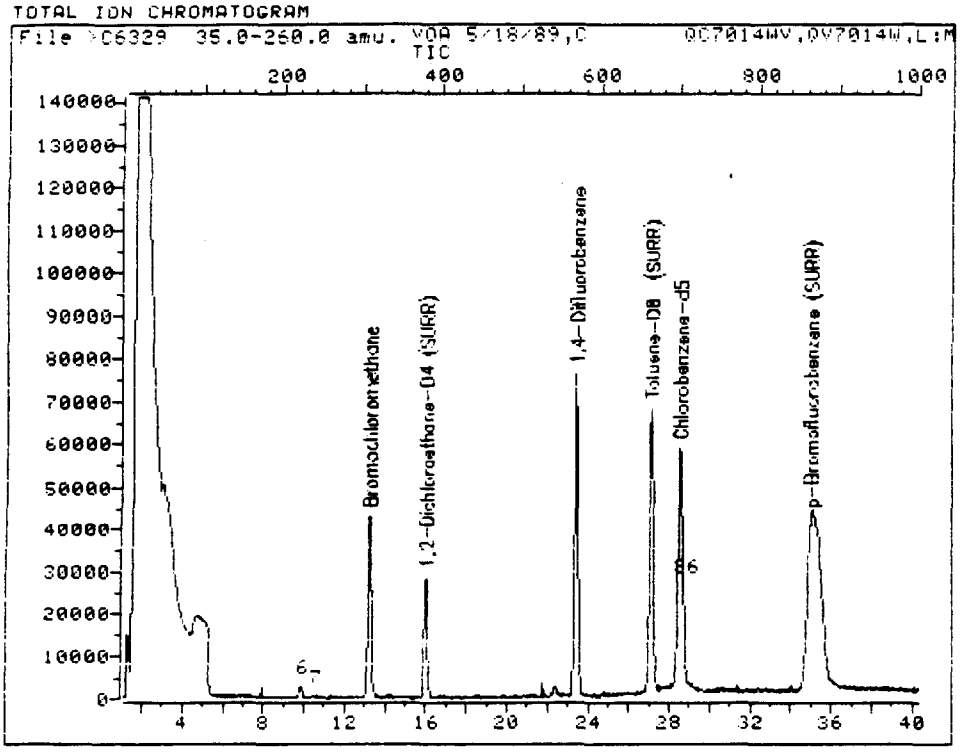
26.					
27.					
28.					
29.					
30.					

TOTAL ION CHROMATOGRAM



Data File: >C6329::U0 Quant Output File: ^C6329::AQ
Name: VOA 5/18/89,C
Misc: QC7014WV,QV7014W,L:M6,5,,

Id File: IC1017::US
Title: IFB
Last Calibration: 890517 22:17

Operator ID: GM6356
Quant Time: 890518 18:52
Injected at: 890518 18:11

QUANT REPORT Page 1

Operator ID: GM6356 Quant Rev: 7 Quant Time: 890518 18:52
Output File: >C6329::AQ Injected at: 890518 18:11
Data File: >C6329::U0 Dilution Factor: 1.00000
Name: VOA 5/18/89,C
Misc: QC7014WV,QV7014W,L:M6,5,,

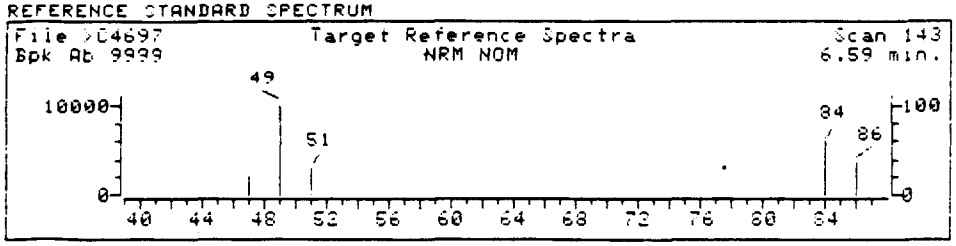
ID File: IC1017::US
Title: IFB
Last Calibration: 890517 22:17

	Compound	R.T.	Scan#	Area	Conc	Units	q
1)	*Bromochloromethane	13.20	309	77050	250.00	NG	96
6)	Methylene chloride	9.87	224	7614	15.82	NG	94
7)	Acetone	10.50	240	2959	23.44	NG	89
13)	1,2-Dichloroethane-D4 (SURR)	16.02	381	123451	274.01	NG	87
15)	*1,4-Difluorobenzene	23.42	570	356186	250.00	NG	93
29)	*Chlorobenzene-d5	28.52	700	253984	250.00	NG	90
34)	Toluene-D8 (SURR)	27.11	664	308070	270.98	NG	94
36)	Chlorobenzene	28.68	704	18038	~~15.21~~	~~NG~~	97
38)	p-Bromofluorobenzene (SURR)	34.98	865	208231	278.94	NG	96

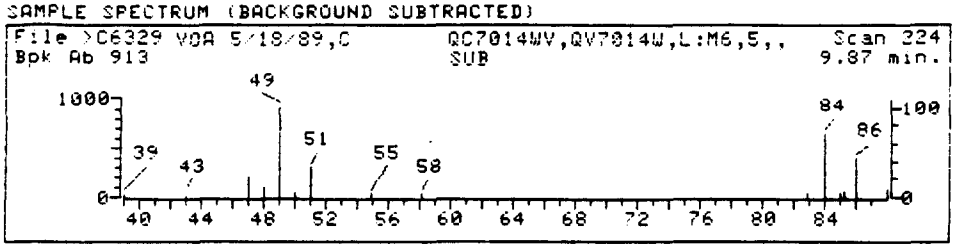
* Compound is ISTD

CA 6-15-89

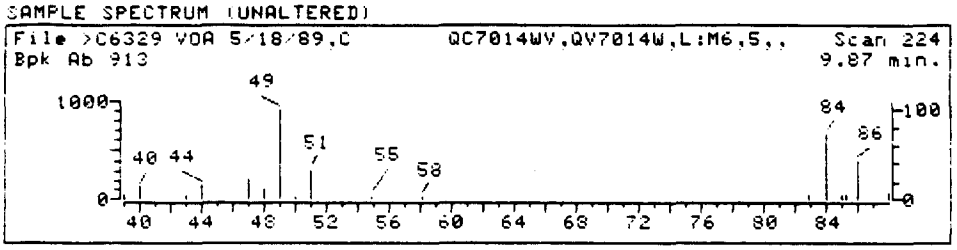
REFERENCE STANDARD SPECTRUM



SAMPLE SPECTRUM (BACKGROUND SUBTRACTED)



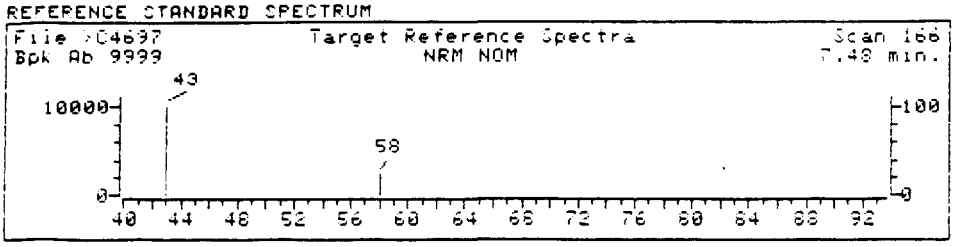
SAMPLE SPECTRUM (UNALTERED)



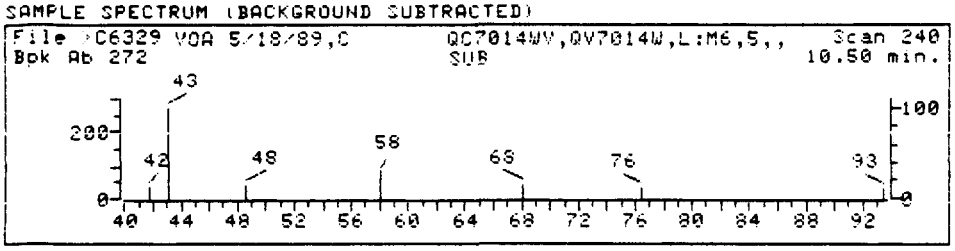
Data File: >C6329::U0 Quant Output File: ^C6329::AQ
Name: VOA 5/18/89,C
Misc: QC7014WV,QV7014W,L:M6,5,,
Quant Time: 890518 18:52 Quant ID File: IC1017::US
Injected at: 890518 18:11 Last Calibration: 890517 22:17

Compound No: 6
Compound Name: Methylene chloride
Scan Number: 224
Retention Time: 9.87 min.
Quant Ion: 84.0
Area: 7614
Concentration: 15.82 NG
q-value: 94

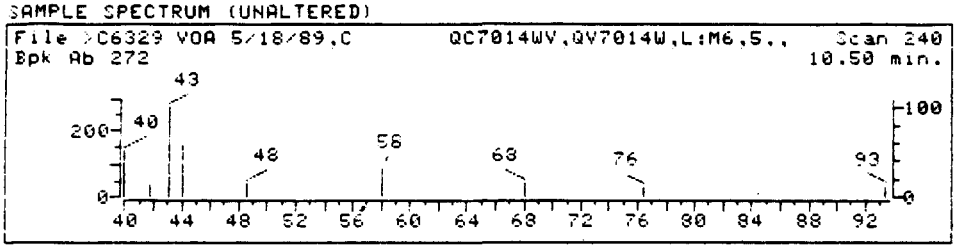
REFERENCE STANDARD SPECTRUM



SAMPLE SPECTRUM (BACKGROUND SUBTRACTED)

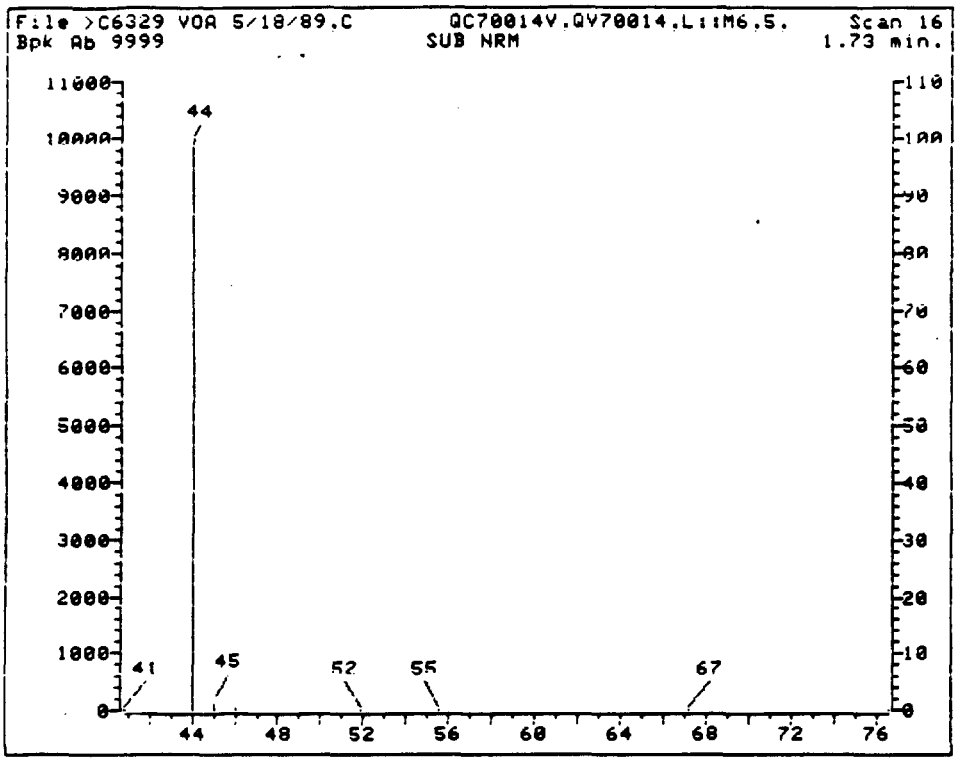


SAMPLE SPECTRUM (UNALTERED)



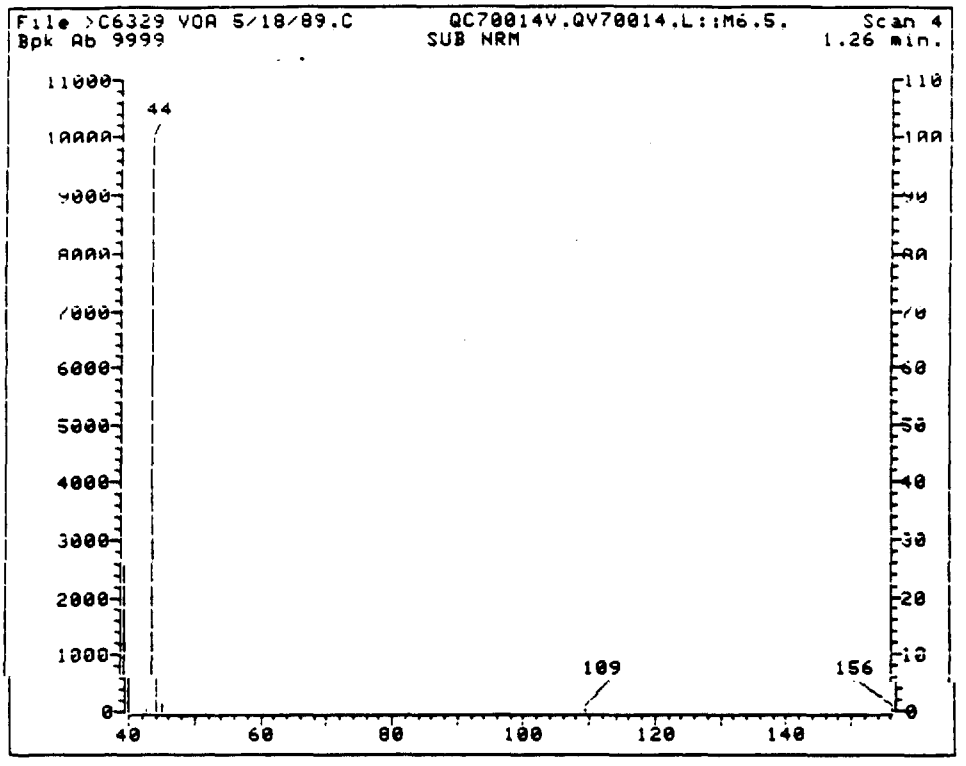
Data File: >C6329::U0 Quant Output File: ^C6329::AQ
Name: VOA 5/18/89,C
Misc: QC7014WV,QV7014W,L:M6,5,,
Quant Time: 890518 18:52 Quant ID File: IC1017::US
Injected at: 890518 18:11 Last Calibration: 890517 22:17

Compound No: 7
Compound Name: Acetone
Scan Number: 240
Retention Time: 10.50 min.
Quant Ion: 43.0
Area: 2959
Concentration: 23.44 NG
q-value: 89



Data File: >C6329::U0
Name: VOA 5/18/89,C
Misc Data: QC70014V,QV70014,L::M6,5,,
RT (min): 1.73
Scan: 16
Area: 17042044 Rank: 1
Semi-quantitative Conc (uncorrected): 8508.02 NG
Semi-quantitative Conc (corrected): 1701.60 ug/l
Calculated using Istd: Bromochloromethane @ 13.20 minutes

No PBM hits for this scan.



Data File: >C6329::U0
Name: VOA 5/18/89,C
Misc Data: QC70014V,QV70014,L::M6,5,,
RT (min): 1.26
Scan: 4
Area: 103855 Rank: 5
Semi-quantitative Conc (uncorrected): 51.85 NG
Semi-quantitative Conc (corrected): 10.37 ug/l
Calculated using Istd: Bromochloromethane @ 13.20 minutes

No PBM hits for this scan.

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

Lab Name: ETC Corp. Contract:

Lab Code: Case No.: SAS No.: SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: NC7100140

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: >C6342

Level: (low/med) LOW Date Received: 05/~~15~~19/89 (EA) 6-16-89

% Moisture: not dec. Date Analyzed: 05/19/89

Column: (pack/cap) PACK Dilution Factor: 1

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	4	J
67-64-1	Acetone	5	J
75-15-0	Carbon Disulfide	5	U
75-35-4	1,1-Dichloroethene	5	U
75-34-3	1,1-Dichloroethane	5	U
540-59-0	1,2-Dichloroethene (total)	5	U
67-66-3	Chloroform	5	U
107-06-2	1,2-Dichloroethane	5	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	5	U
56-23-5	Carbon Tetrachloride	5	U
108-05-4	Vinyl Acetate	10	U
75-27-4	Bromodichloromethane	5	U
78-87-5	1,2-Dichloropropane	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
79-01-6	Trichloroethene	5	U
124-48-1	Dibromochloromethane	5	U
79-00-5	1,1,2-Trichloroethane	5	U
71-43-2	Benzene	5	U
10061-02-6	trans-1,3-Dichloropropene	5	U
75-25-2	Bromoform	5	U
108-10-1	4-Methyl-2-Pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	5	U
79-34-5	1,1,2,2-Tetrachloroethane	5	U
108-88-3	Toluene	5	U
108-90-7	Chlorobenzene	25	2U (EA)
100-41-4	Ethylbenzene	5	U
100-42-5	Styrene	5	U 6-16-89
1330-20-7	Xylene (total)	5	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: ETC Corp Contract:

Lab Code: Case No.: SAS No.: SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: QC700141V

Sample wt/vol: 5 (g/mL) ML Lab File ID: >C6342

Level: (low/med) LOW Date Received: 05/19/89

% Moisture: not dec. Date Analyzed: 05/19/89

Column: (pack/cap) PACK Dilution Factor: 1

Number TICs found: 2 CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		Carbon dioxide	1.68		BJ
2.		Benzene-chloro-nitro	25.41	15	J
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					
11.					
12.					
13.					
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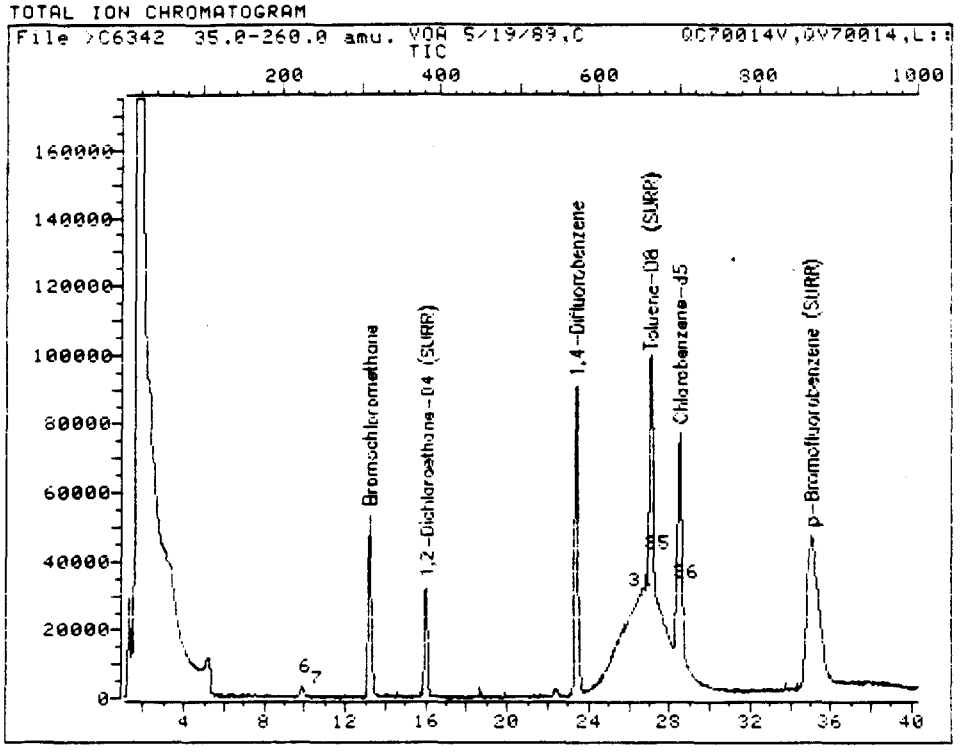
30.					

TOTAL ION CHROMATOGRAM



Data File: C6342::U0 Quant Output File: C6342::AQ
Name: VOA 5/19/89,C
Misc: QC70014V,QV70014,L::M6,5,,

Id File: IC1017::US
Title: IFB
Last Calibration: 890519 11:02

Operator ID: RL9134
Quant Time: 890519 16:11
Injected at: 890519 15:30

Operator ID: RL9134 Quant Rev: 7 Quant Time: 890519 16:11
Output File: ^C6342::AQ Injected at: 890519 15:30
Data File: >C6342::U0 Dilution Factor: 1.00000
Name: VOA 5/19/89,C
Misc: QC70014V,QV70014,L::M6,5,,

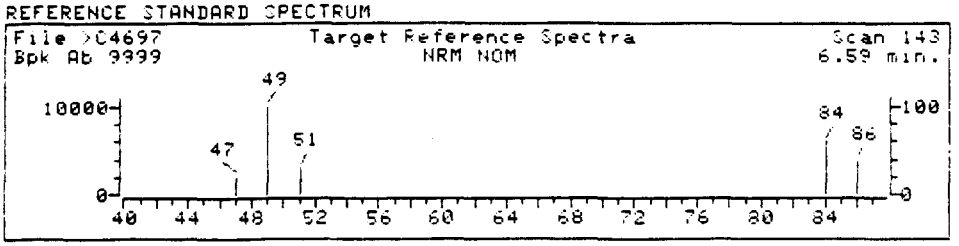
ID File: IC1017::US
Title: IFB
Last Calibration: 890519 11:02

	Compound	R.T.	Scan#	Area	Conc	Units	q
1)	*Bromochloromethane	13.19	310	92836	250.00	NG	94
6)	Methylene chloride	9.87	225	9177	19.82	NG	97
7)	Acetone	10.53	242	4345	25.73	NG	97
13)	1,2-Dichloroethane-D4 (SURR)	16.01	382	138576	267.74	NG	89
15)	*1,4-Difluorobenzene	23.37	570	425322	250.00	NG	93
29)	*Chlorobenzene-d5	28.50	699	301462	250.00	NG	90
31)	2-Hexanone	26.47	647	2027	~~6.47 NG~~		59
34)	Toluene-D8 (SURR)	27.05	662	327885	275.14	NG	93
35)	Toluene	27.25	667	2799	~~3.13 NG~~		86
36)	Chlorobenzene	28.66	703	8947	~~2.18 NG~~		95
38)	p-Bromofluorobenzene (SURR)	35.01	865	224017.	281.86	NG	99

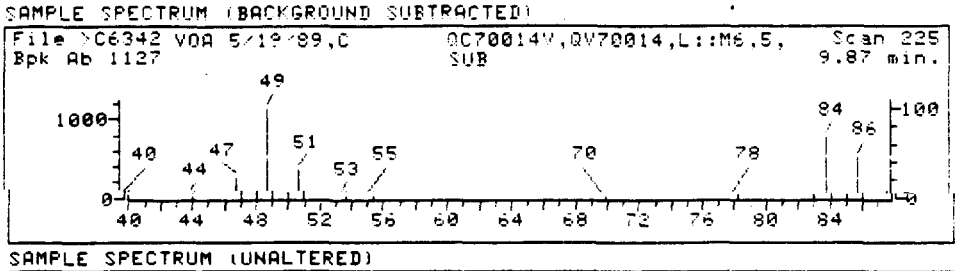
* Compound is ISTD

CA
6-15-89

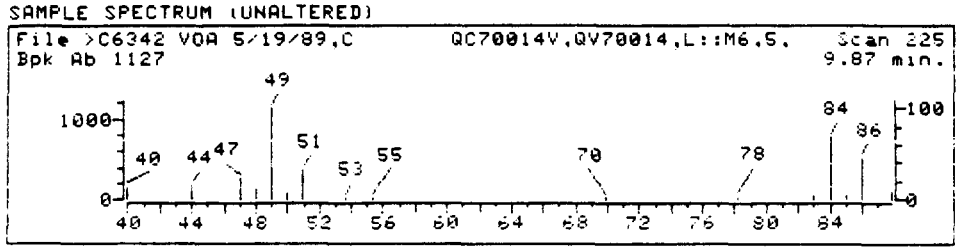
REFERENCE STANDARD SPECTRUM



SAMPLE SPECTRUM (BACKGROUND SUBTRACTED)



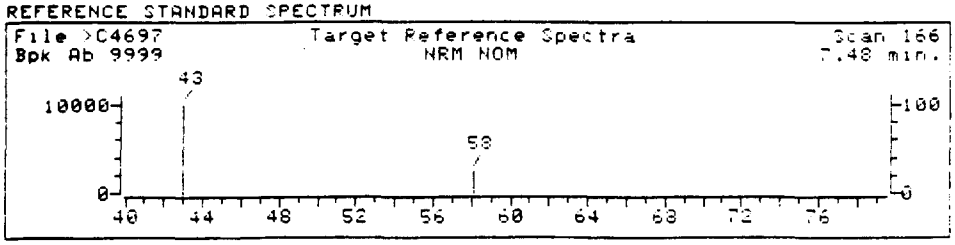
SAMPLE SPECTRUM (UNALTERED)



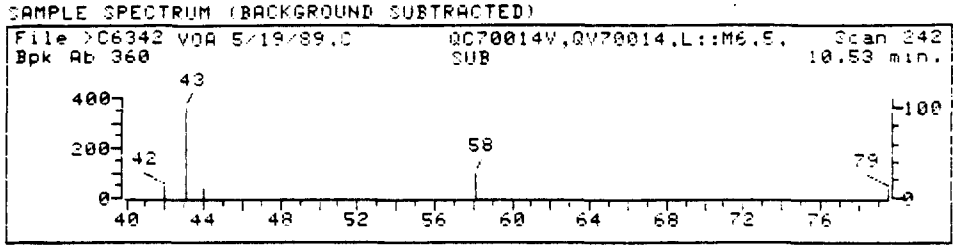
Data File: >C6342::UO Quant Output File: >C6342::AQ
Name: VOA 5/19/89,C
Misc: QC70014V,QV70014,L::M6,5,,
Quant Time: 890519 16:11 Quant ID File: IC1017::US
Injected at: 890519 15:30 Last Calibration: 890519 11:02

Compound No: 6
Compound Name: Methylene chloride
Scan Number: 225
Retention Time: 9.87 min.
Quant Ion: 84.0
Area: 9177
Concentration: 19.82 NG
q-value: 97

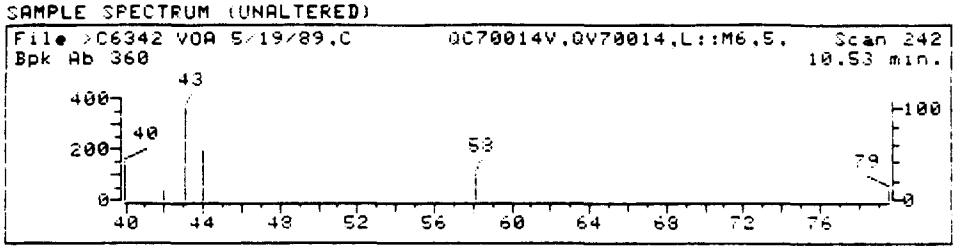
REFERENCE STANDARD SPECTRUM



SAMPLE SPECTRUM (BACKGROUND SUBTRACTED)

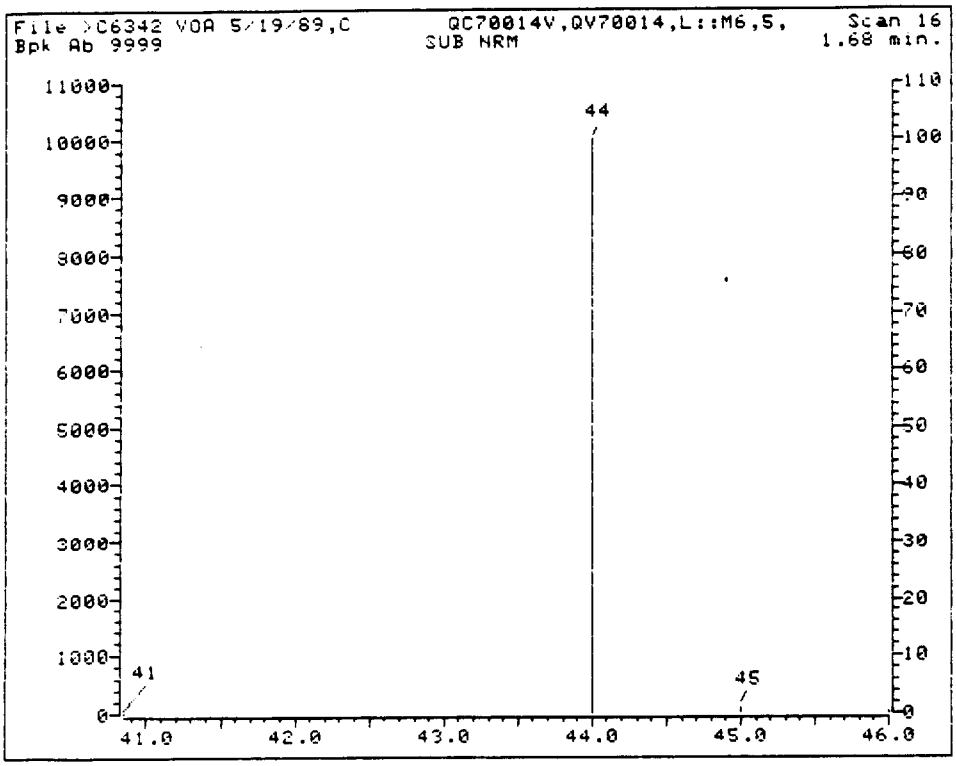


SAMPLE SPECTRUM (UNALTERED)



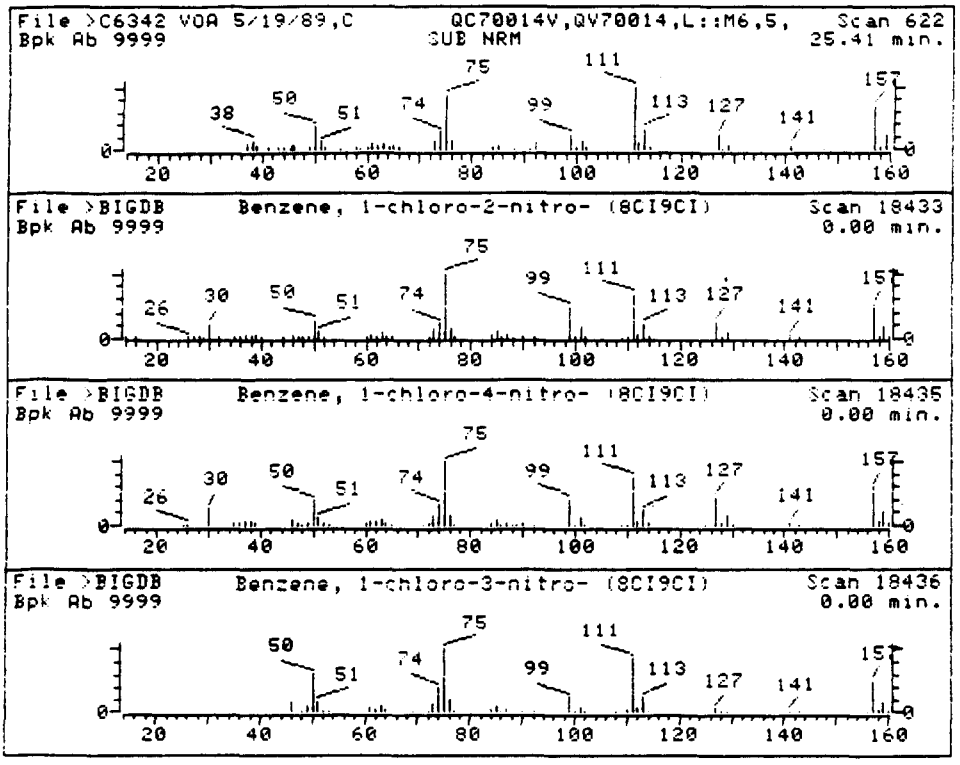
Data File: C6342::U0 Quant Output File: C6342::AQ
Name: VOA 5/19/89,C
Misc: QC70014V,QV70014,L::M6,5,,
Quant Time: 890519 16:11 Quant ID File: IC1017::US
Injected at: 890519 15:30 Last Calibration: 890519 11:02

Compound No: 7
Compound Name: Acetone
Scan Number: 242
Retention Time: 10.53 min.
Quant Ion: 43.0
Area: 4345
Concentration: 25.73 NG
q-value: 97



Data File: >C6342::U0
Name: VOA 5/19/89,C
Misc Data: QC70014V,QV70014,L::M6,5,,
RT (min): 1.68
Scan: 16
Area: 11998168 Rank: 1
Semi-quantitative Conc (uncorrected): 4947.60 NG
Semi-quantitative Conc (corrected): 989.52 ug/l
Calculated using Istd: Bromochloromethane @ 13.19 minutes

No PBM hits for this scan.



Data File: >C6342::U0
Name: VOA 5/19/89,C
Misc Data: QC70014V,QV70014,L::M6,5,,
RT (min): 25.41
Scan: 622
Area: 319813 Rank: 5
Semi-quantitative Conc (uncorrected): 76.98 NG
Semi-quantitative Conc (corrected): 15.40 ug/l
Calculated using Istd: 1,4-Difluorobenzene @ 23.37 minutes

1. Benzene, 1-chloro-2-nitro- (8CI9CI) 157 C6H4ClNO2
2. Benzene, 1-chloro-4-nitro- (8CI9CI) 157 C6H4ClNO2
3. Benzene, 1-chloro-3-nitro- (8CI9CI) 157 C6H4ClNO2

Sample file: >C6342 Spectrum #: 622
Search speed: 2 Tilting option: S No. of ion ranges searched: 46

	Prob.	CAS #	CON #	ROOT	K	DK	#FLG	TILT	%	CON	C_I	R_IV
1.	37*	88733	18433	"BIGDB	47	80	1	0	75	40	14	24
2.	35*	100005	18435	"BIGDB	46	74	0	0	45	54	10	54
3.	21*	121733	18436	"BIGDB	33	78	0	0	44	56	5	30

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

Lab Name: ETC Corp. Contract:

Lab Code: Case No.: SAS No.: SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: QC70014U

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: >C6347

Level: (low/med) LOW Date Received: 05/20/89

% Moisture: not dec. Date Analyzed: 05/20/89

Column: (pack/cap) PACK Dilution Factor: 1

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	3	J
67-64-1	Acetone	4	J
75-15-0	Carbon Disulfide	5	U
75-35-4	1,1-Dichloroethene	5	U
75-34-3	1,1-Dichloroethane	5	U
540-59-0	1,2-Dichlorethene (total)	5	U
67-66-3	Chloroform	5	U
107-06-2	1,2-Dichloroethane	5	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	5	U
56-23-5	Carbon Tetrachloride	5	U
108-05-4	Vinyl Acetate	10	U
75-27-4	Bromodichloromethane	5	U
78-87-5	1,2-Dichloropropane	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
79-01-6	Trichloroethene	5	U
124-48-1	Dibromochloromethane	5	U
79-00-5	1,1,2-Trichloroethane	5	U
71-43-2	Benzene	5	U
10061-02-6	trans-1,3-Dichloropropene	5	U
75-25-2	Bromoform	5	U
108-10-1	4-Methyl-2-Pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	5	U
79-34-5	1,1,2,2-Tetrachloroethane	5	U
108-88-3	Toluene	5	U
108-90-7	Chlorobenzene	5	U
100-41-4	Ethylbenzene	5	U
100-42-5	Styrene	5	U
1330-20-7	Xylene (total)	5	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: ETC Corp Contract: _____

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: QV70014

Sample wt/vol: 5 (g/mL) ML Lab File ID: >C6347

Level: (low/med) LOW Date Received: 05/20/89

% Moisture: not dec. _____ Date Analyzed: 05/20/89

Column: (pack/cap) PACK Dilution Factor: 1

Number TICs found: 1 CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		Carbon dioxide	1.72		BJ
2.					
3.					
4.					
5.					
6.					
7.					
8.					
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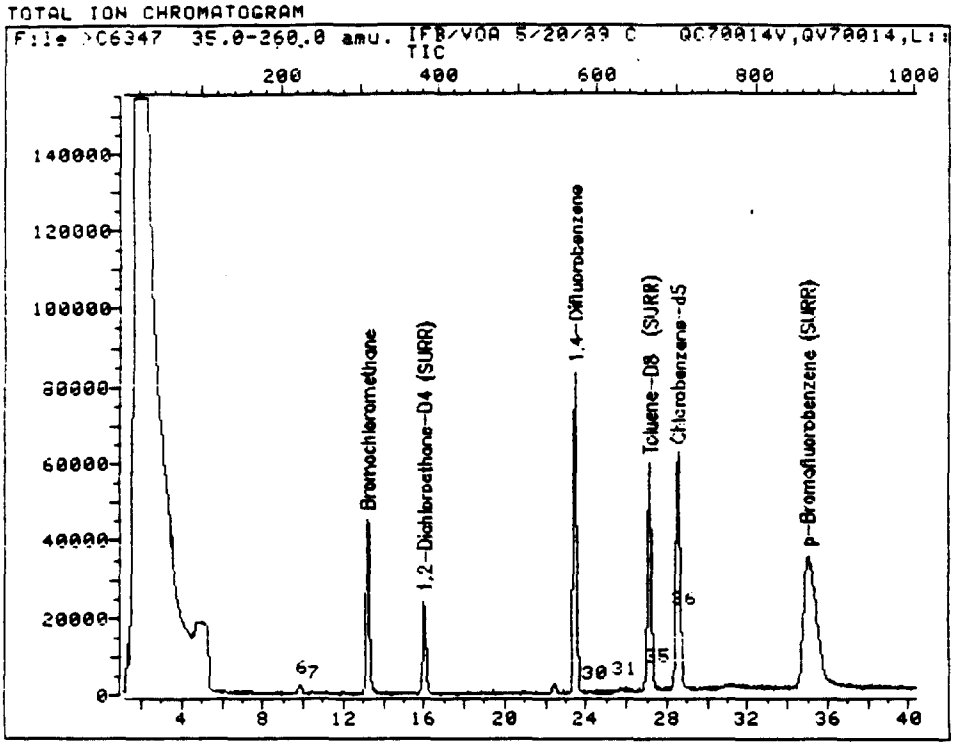
TOTAL ION CHROMATOGRAM



Data File: >C6347::U0 Quant Output File: ^C6347::AQ
Name: IFB/VOA 5/20/89 C
Misc: QC70014V,QV70014,L::M6,5,,

Id File: IC1017::US
Title: IFB
Last Calibration: 890520 09:54

Operator ID: GM6356
Quant Time: 890520 13:06
Injected at: 890520 12:25

QUANT REPORT

Operator ID: GM6356 Quant Rev: / Quant Time: 890520 13:06
Output File: ^C6347::AQ Injected at: 890520 12:25
Data File: >C6347::U0 Dilution Factor: 1.00000
Name: IFB/V0A 5/20/89 C
Misc: QC70014V,QV70014,L::M6,5,,

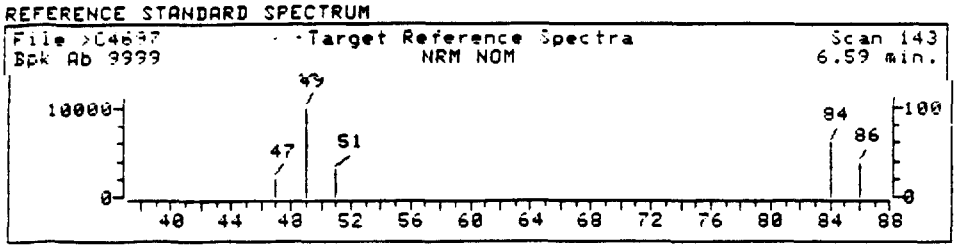
ID File: IC1017::US
Title: IFB
Last Calibration: 890520 09:54

	Compound	R.T.	Scan#	Area	Conc	Units	q
1)	*Bromochloromethane	13.19	309	81577	250.00	NG	96
6)	Methylene chloride	9.82	223	5907	14.46	NG	92
7)	Acetone	10.45	239	3071	20.60	NG	86
13)	1,2-Dichloroethane-D4 (SURR)	16.01	381	100860	220.75	NG	85
15)	*1,4-Difluorobenzene	23.45	571	388618	250.00	NG	93
29)	*Chlorobenzene-d5	28.55	701	285186	250.00	NG	91
30)	Methyl-iso-butyl ketone	24.23	591	2025	~~4.86~~	~~NG~~	82
31)	2-Hexanone	25.72	629	5126	~~14.45~~	~~NG~~	90
34)	Toluene-D8 (SURR)	27.14	665	264177	187.97	NG	93
35)	Toluene	27.53	670	3333	~~5.94~~	~~NG~~	94
36)	Chlorobenzene	28.70	705	4758	~~4.84~~	~~NG~~	80
38)	p-Bromofluorobenzene (SURR)	34.97	865	172724	229.73	NG	91

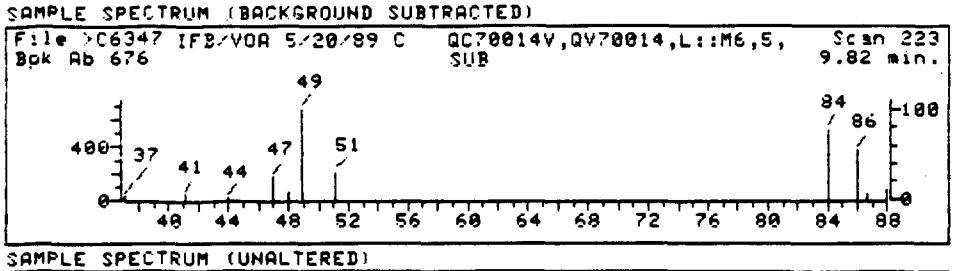
* Compound is ISTD

CA
6-15-89

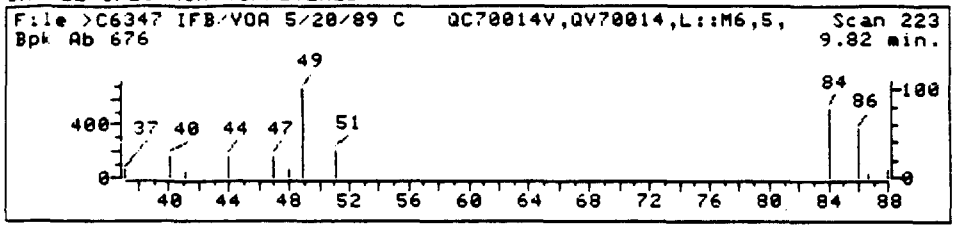
REFERENCE STANDARD SPECTRUM



SAMPLE SPECTRUM (BACKGROUND SUBTRACTED)



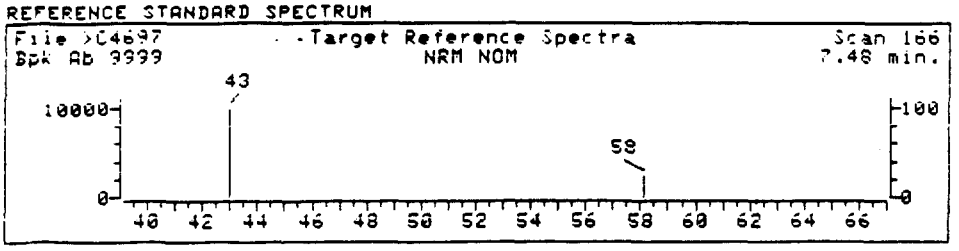
SAMPLE SPECTRUM (UNALTERED)



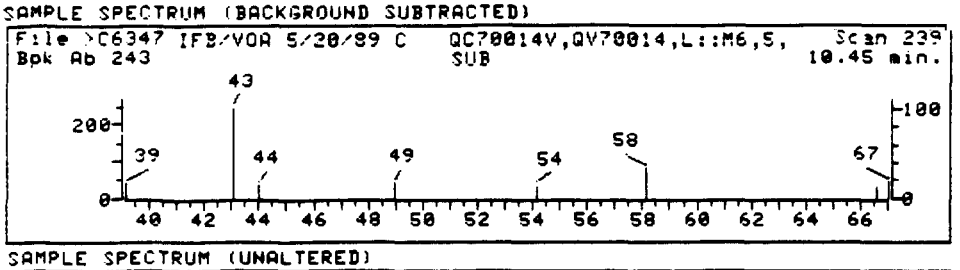
Data File: >C6347::U0 Quant Output File: >C6347::A0
Name: IFB/VOA 5/20/89 C
Misc: QC70014V,QV70014,L::M6,5,,
Quant Time: 890520 13:06 Quant ID File: IC1017::US
Injected at: 890520 12:25 Last Calibration: 890520 09:54

Compound No: 6
Compound Name: Methylene chloride
Scan Number: 223
Retention Time: 9.82 min.
Quant Ion: 84.0
Area: 5907
Concentration: 14.46 NG
q-value: 92

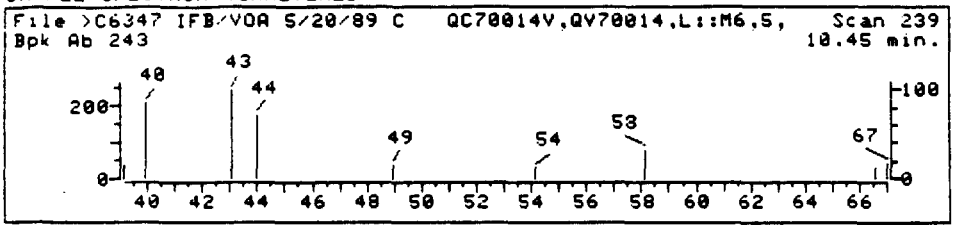
REFERENCE STANDARD SPECTRUM



SAMPLE SPECTRUM (BACKGROUND SUBTRACTED)

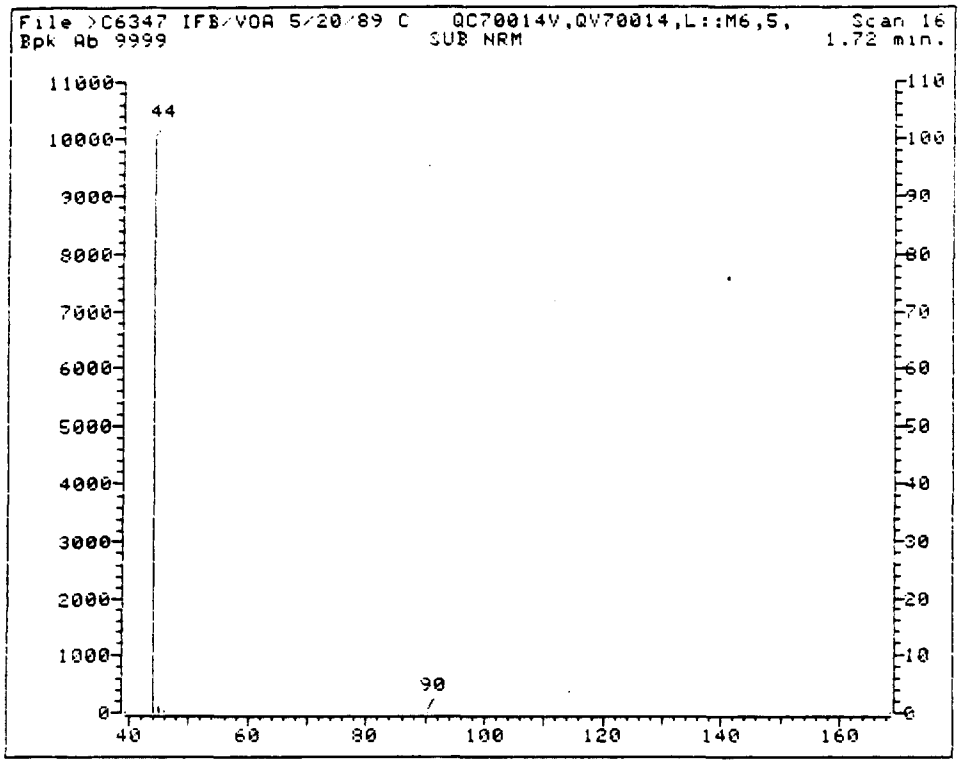


SAMPLE SPECTRUM (UNALTERED)



Data File: >C6347::U0 Quant Output File: ^C6347::AQ
Name: IFB/VOA 5/20/89 C
Misc: QC70014V,QV70014,L::M6,5,,
Quant Time: 890520 13:06 Quant ID File: IC1017::US
Injected at: 890520 12:25 Last Calibration: 890520 09:54

Compound No: 7
Compound Name: Acetone
Scan Number: 239
Retention Time: 10.45 min.
Quant Ion: 43.0
Area: 3071
Concentration: 20.60 NG
q-value: 86



Data File: >C6347::U0
Name: IFB/VOA 5/20/89 C
Misc Data: QC70014V,QV70014,L::M6,5,,
RT (min): 1.72
Scan: 16
Area: 22216612 Rank: 1
Semi-quantitative Conc (uncorrected): 10686.24 NG
Semi-quantitative Conc (corrected): 2137.25 ug/l
Calculated using Istd: Bromochloromethane @ 13.19 minutes

No PBM hits for this scan.

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

Lab Name: ETC Corp. Contract:

Lab Code: Case No.: SAS No.: SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: QC70011U

Sample wt/vol: 5.0 (g/mL) G Lab File ID: >D6516

Level: (low/med) LOW Date Received: 05/19/89

% Moisture: not dec. Date Analyzed: 05/19/89

Column: (pack/cap) PACK Dilution Factor: 1

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	5	U
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	5	U
75-35-4	1,1-Dichloroethene	5	U
75-34-3	1,1-Dichloroethane	5	U
540-59-0	1,2-Dichlorethene (total)	5	U
67-66-3	Chloroform	5	U
107-06-2	1,2-Dichloroethane	5	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	5	U
56-23-5	Carbon Tetrachloride	5	U
108-05-4	Vinyl Acetate	10	U
75-27-4	Bromodichloromethane	5	U
78-87-5	1,2-Dichloropropane	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
79-01-6	Trichloroethene	5	U
124-48-1	Dibromochloromethane	5	U
79-00-5	1,1,2-Trichloroethane	5	U
71-43-2	Benzene	5	U
10061-02-6	trans-1,3-Dichloropropene	5	U
75-25-2	Bromoform	5	U
108-10-1	4-Methyl-2-Pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	5	U
79-34-5	1,1,2,2-Tetrachloroethane	5	U
108-88-3	Toluene	5	U
108-90-7	Chlorobenzene	5	U
100-41-4	Ethylbenzene	5	U
100-42-5	Styrene	5	U
1330-20-7	Xylene (total)	5	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: ETC Corp. Contract: _____

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: QC700111V

Sample wt/vol: 5 (g/mL) G Lab File ID: >D6516

Level: (low/med) LOW Date Received: 05/19/89

% Moisture: not dec. _____ Date Analyzed: 05/19/89

Column: (pack/cap) PACK Dilution Factor: 1

Number TICs found: 1 CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		Carbon dioxide	1.34	1400	J
2.					
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					
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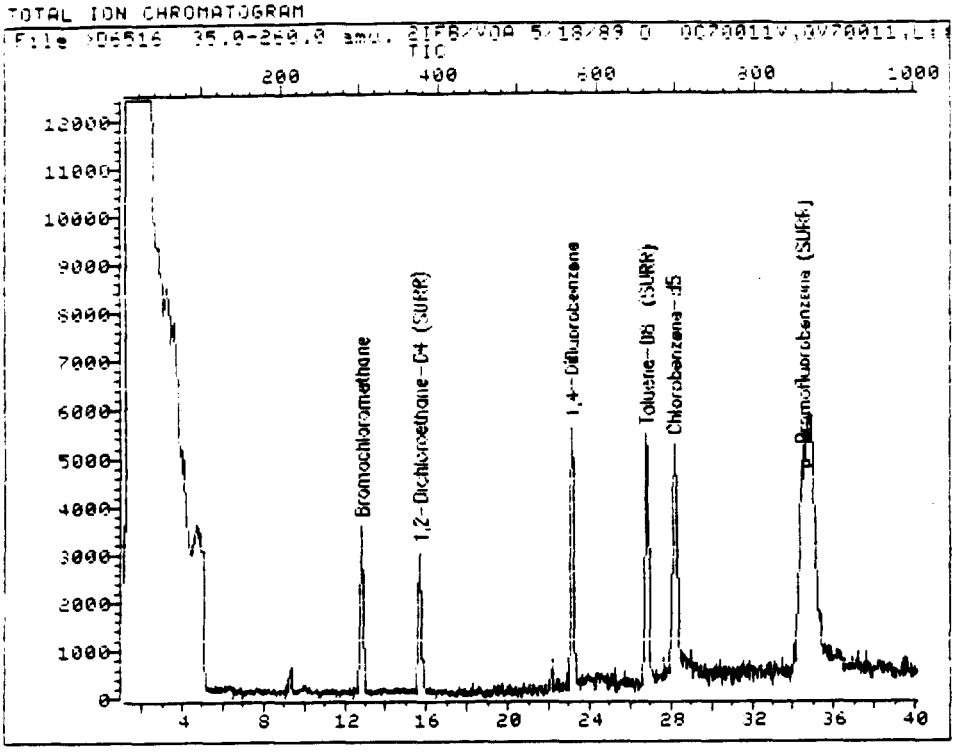
28.					
29.					
30.					



Data File: D6516::U0 Quant Output File: D6516::AQ
Name: 2IFB/VOA 5/18/89 D
Misc: QC70011U,QV70011,L::M6,5,,

Id File: ID1016::US
Title: IFB
Last Calibration: 890519 11:46

Operator ID: SC4660
Quant Time: 890519 12:44
Injected at: 890519 00:43

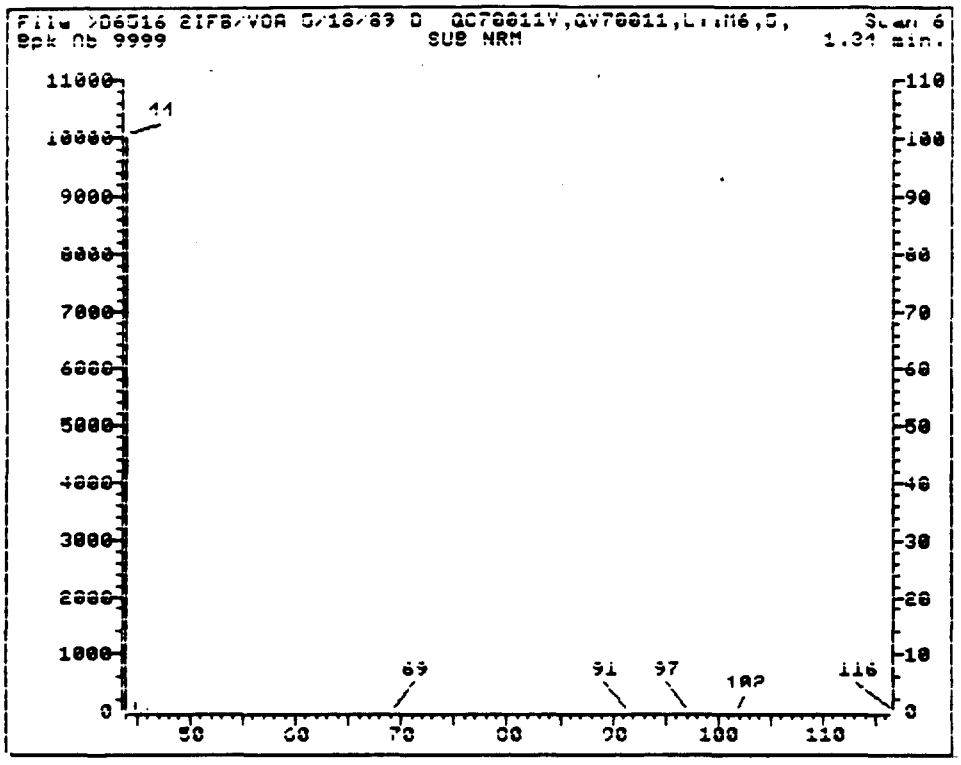
Operator ID: SC4660 Quant Rev: 7 Quant Time: 890519 12:44
Output File: >D6516::AQ Injected at: 890519 00:48
Data File: >D6516::U0 Dilution Factor: 1.00000
Name: 2IFB/V0A 5/18/89 D
Misc: QC70011V,QV70011,L::M6,5,,

ID File: ID1016::US
Title: IFB
Last Calibration: 890519 11:46

	Compound	R.T.	Scan#	Area	Conc	Units	q
1)	*Bromochloromethane	12.81	302	4504	250.00	NG	90
13)	1,2-Dichloroethane-D4 (SURR)	15.68	376	17333	287.55	NG	96
15)	*1,4-Difluorobenzene	23.12	568	17346	250.00	NG	89
29)	*Chlorobenzene-d5	28.17	698	15430	250.00	NG	91
34)	Toluene-D8 (SURR)	26.82	663	18588	243.44	NG	87
38)	p-Bromofluorobenzene (SURR)	34.50	861	18953	274.54	NG	81

KA 5/31/89

* Compound is ISTD



Data File: >D6516::U0
Name: 21FB/U0A 5/18/89 D
Misc Data: QC70011U,QU70011,L::M6,5,,
RT (min): 1.34
Scan: 6
Area: 1059143 Rank: 1
Semi-quantitative Conc (uncorrected): 7013.08 NG
Semi-quantitative Conc (corrected): 1402.62 ug/l
Calculated using Istd: Bromochloromethane @ 12.81 minutes

No PBM hits for this scan.

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

Lab Name: ETC Corp. Contract:

Lab Code: Case No.: SAS No.: SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: QC70011U

Sample wt/vol: 5.0 (g/mL) G Lab File ID: >D6519

Level: (low/med) LOW Date Received: 05/19/89

% Moisture: not dec. Date Analyzed: 05/19/89

Column: (pack/cap) PACK Dilution Factor: 1

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	6	
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	5	U
75-35-4	1,1-Dichloroethene	5	U
75-34-3	1,1-Dichloroethane	5	U
540-59-0	1,2-Dichlorethene (total)	5	U
67-66-3	Chloroform	5	U
107-06-2	1,2-Dichloroethane	5	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	5	U
56-23-5	Carbon Tetrachloride	5	U
108-05-4	Vinyl Acetate	10	U
75-27-4	Bromodichloromethane	5	U
78-87-5	1,2-Dichloropropane	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
79-01-6	Trichloroethene	5	U
124-48-1	Dibromochloromethane	5	U
79-00-5	1,1,2-Trichloroethane	5	U
71-43-2	Benzene	5	U
10061-02-6	trans-1,3-Dichloropropene	5	U
75-25-2	Bromoform	5	U
108-10-1	4-Methyl-2-Pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	5	U
79-34-5	1,1,2,2-Tetrachloroethane	5	U
108-88-3	Toluene	5	U
108-90-7	Chlorobenzene	5	U
100-41-4	Ethylbenzene	5	U
100-42-5	Styrene	5	U
1330-20-7	Xylene (total)	5	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: ETC Corp Contract: _____

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: QC70011V

Sample wt/vol: 5 (g/mL) G Lab File ID: >D6519

Level: (low/med) LOW Date Received: 05/19/89

% Moisture: not dec. _____ Date Analyzed: 05/19/89

Column: (pack/cap) PACK Dilution Factor: 1

Number TICs found: 1 CONCENTRATION UNITS: (ug/L or ug/Kg) ug/KG

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		Carbon dioxide	1.35	2300	J
2.					
3.					
4.					
5.					
6.					
7.					
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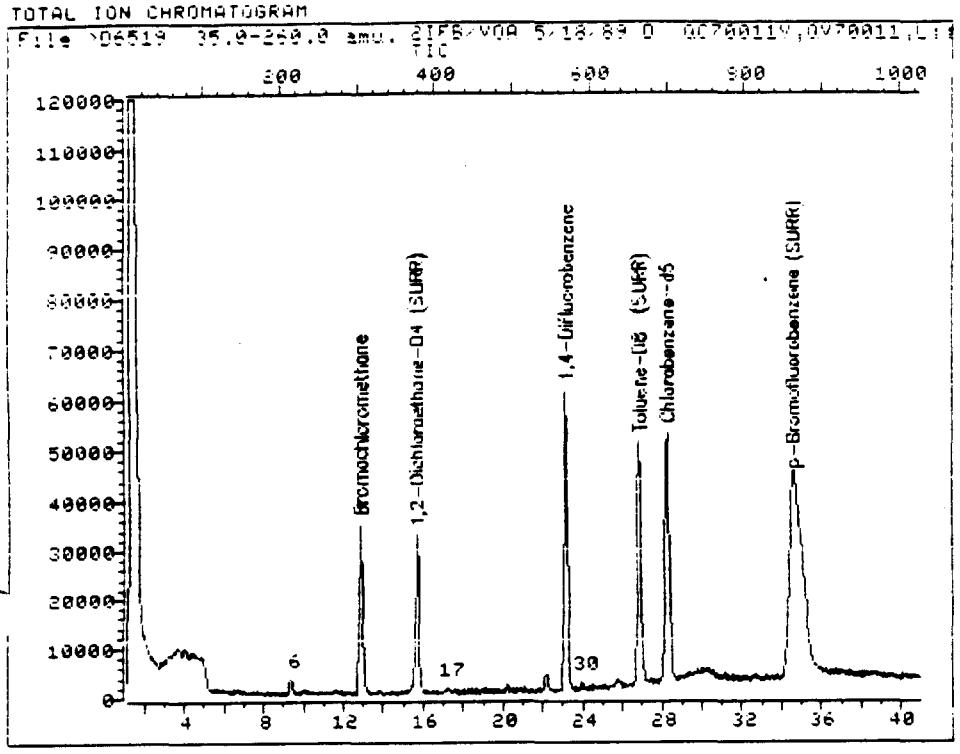
30.					

TOTAL ION CHROMATOGRAM



Data File: >D6519::UO Quant Output File: >D6519::HQ
Name: 2IFB/VOA 5/18/89 D
Misc: QC70011V,QV70011,L::M6,5,,

Id File: ID1016::US
Title: IFB
Last Calibration: 890519 15:01

Operator ID: RL9134
Quant Time: 890519 15:02
Injected at: 890519 11:41

Operator ID: RL9134 Quant Rev: 7 Quant Time: 890519 15:02
Output File: ^D6519::AQ Injected at: 890519 11:41
Data File: >D6519::U0 Dilution Factor: 1.00000
Name: 21FB/VOA 5/18/89 D
Misc: QC70011V,QV70011,L::M6,5,,

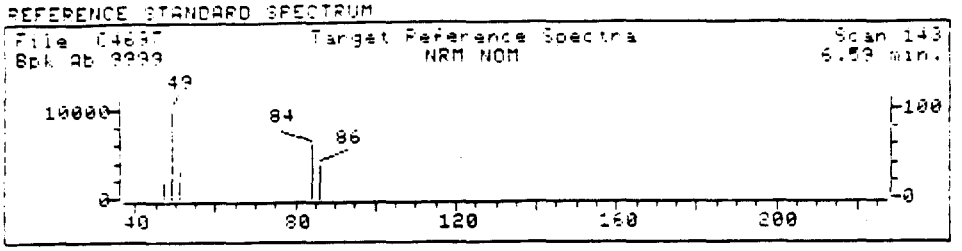
ID File: ID1016::US
Title: IFB
Last Calibration: 890519 15:01

	Compound	R.T.	Scan#	Area	Conc	Units	q
1)	*Bromochloromethane	12.88	303	45655	250.00	NG	95
6)	Methylene chloride	9.39	213	6968	32.33	NG	96
13)	1,2-Dichloroethane-D4 (SURR)	15.71	376	180577	287.05	NG	97
15)	*1,4-Difluorobenzene	23.20	569	193528	250.00	NG	91
~~17)~~	~~1,1,1-Trichloroethane~~	~~17.18~~	~~414~~	~~2749~~	~~3.88~~	~~NG~~	~~93~~
29)	*Chlorobenzene-d5	28.29	700	159211	250.00	NG	48
~~30)~~	~~Methyl iso-butyl ketone~~	~~23.97~~	~~589~~	~~3018~~	~~10.43~~	~~NG~~	~~68~~
34)	Toluene-D8 (SURR)	26.89	664	172169M	278.32	NG	82
38)	p-Bromofluorobenzene (SURR)	34.58	862	200039	271.77	NG	75

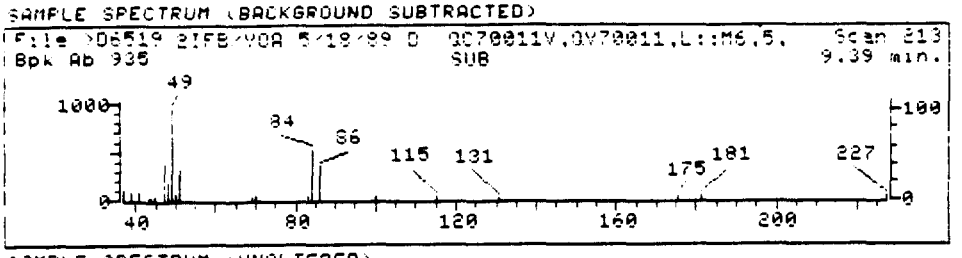
ed 5/21/89

* Compound is ISTD

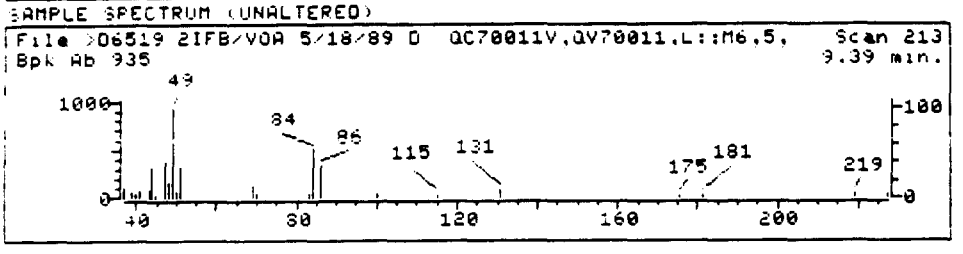
REFERENCE STANDARD SPECTRUM



SAMPLE SPECTRUM (BACKGROUND SUBTRACTED)

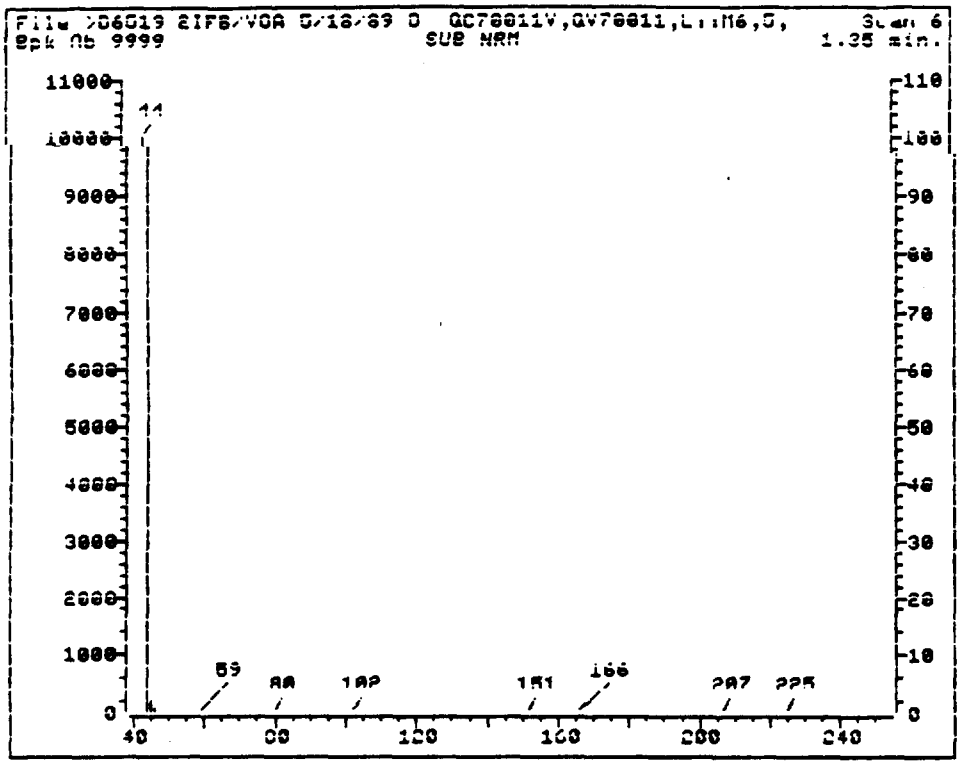


SAMPLE SPECTRUM (UNALTERED)



Data File: >D6519::U0 Quant Output File: ^D6519::AQ
Name: 2IFB/V0A 5/18/89 D
Misc: QC70011V,QV70011,L::M6,5,,
Quant Time: 890519 15:02 Quant ID File: ID1016::US
Injected at: 890519 11:41 Last Calibration: 890519 15:01

Compound No: 6
Compound Name: Methylene chloride
Scan Number: 213
Retention Time: 9.39 min.
Quant Ion: 84.0
Area: 6968
Concentration: 32.33 NG
q-value: 96



Data File: >D6519::U0
Name: 2IFB/U0A 5/18/89 D
Misc Data: QC70011U,QU70011,L::M6,5,,
RT (min): 1.35
Scan: 6
Area: 18793212 Rank: 1
Semi-quantitative Conc (uncorrected): 11516.13 NG
Semi-quantitative Conc (corrected): 2303.23 ug/l
Calculated using Istd: Bromochloromethane @ 12.88 minutes

No PBM hits for this scan.

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

Lab Name: ETC Corp. Contract:

Lab Code: Case No.: SAS No.: SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: QC70011V

Sample wt/vol: 5.0 (g/mL) G Lab File ID: >D6535

Level: (low/med) LOW Date Received: 05/20/89

% Moisture: not dec. Date Analyzed: 05/20/89

Column: (pack/cap) PACK Dilution Factor: 1

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	6	
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	5	U
75-35-4	1,1-Dichloroethene	5	U
75-34-3	1,1-Dichloroethane	5	U
540-59-0	1,2-Dichlorethene (total)	5	U
67-66-3	Chloroform	5	U
107-06-2	1,2-Dichloroethane	5	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	5	U
56-23-5	Carbon Tetrachloride	5	U
108-05-4	Vinyl Acetate	10	U
75-27-4	Bromodichloromethane	5	U
78-87-5	1,2-Dichloropropane	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
79-01-6	Trichloroethene	5	U
124-48-1	Dibromochloromethane	5	U
79-00-5	1,1,2-Trichloroethane	5	U
71-43-2	Benzene	5	U
10061-02-6	trans-1,3-Dichloropropene	5	U
75-25-2	Bromoform	5	U
108-10-1	4-Methyl-2-Pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	5	U
79-34-5	1,1,2,2-Tetrachloroethane	5	U
108-88-3	Toluene	5	U
108-90-7	Chlorobenzene	5	U
100-41-4	Ethylbenzene	5	U
100-42-5	Styrene	5	U
1330-20-7	Xylene (total)	5	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: ETC Corp. Contract: _____

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: QC700111V

Sample wt/vol: 5 (g/mL) G Lab File ID: JD4535

Level: (low/med) LOW Date Received: 05/20/89

% Moisture: not dec. _____ Date Analyzed: 05/20/89

Column: (pack/cap) PACK Dilution Factor: 1

Number TICs found: 1 CONCENTRATION UNITS: (ug/L or ug/Kg) ug/kg

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		Carbon dioxide	1.37	2400	J
2.					
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					
11.					
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14.					
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16.					
17.					
18.					
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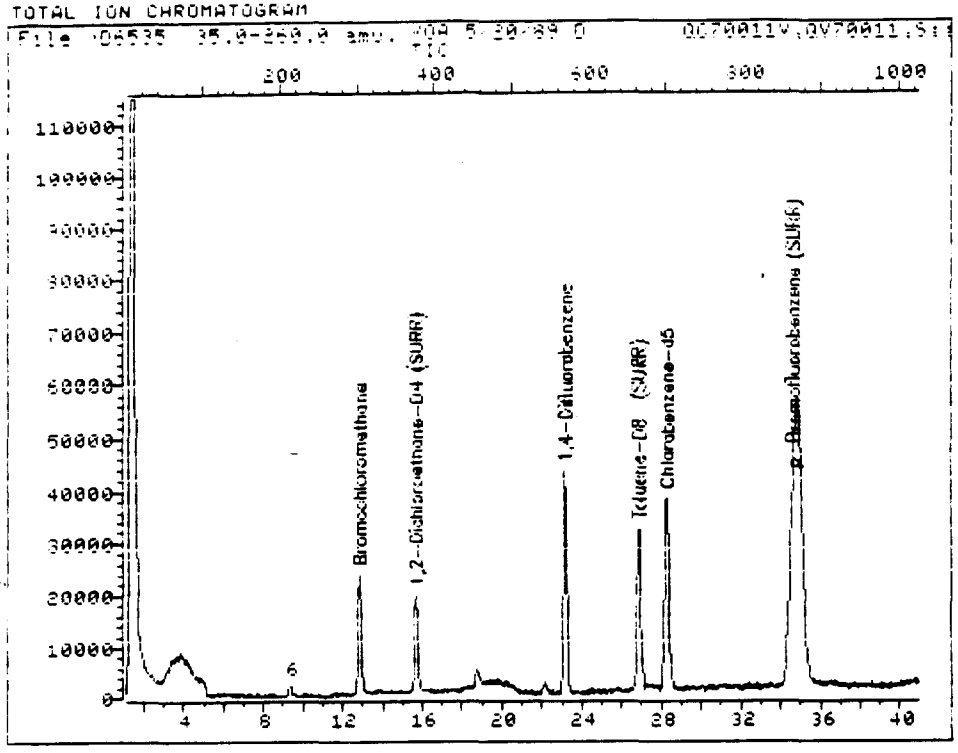
21.					
22.					
23.					
24.					
25.					
26.					
27.					
28.					
29.					
30.					

TOTAL ION CHROMATOGRAM



Data File: D6535::U0 Quant Output File: D6535::HQ
Name: U0A 5/20/89 D
Misc: QC70011U,QU70011,S::M6,5,,

Id File: ID101o::U5
Title: IFB
Last Calibration: 890520 13:4o

Operator ID: SC4oo0
Quant Time: 890520 14:54
Injected at: 890520 14:12

Operator ID: SC4660 Quant Rev: 7 Quant Time: 890520 14:54
Output File: ^D6535::AQ Injected at: 890520 14:12
Data File: ^D6535::U0 Dilution Factor: 1.00000
Name: UOA 5/20/89 D
Misc: QC700110,QV70011,S::M6,5,,

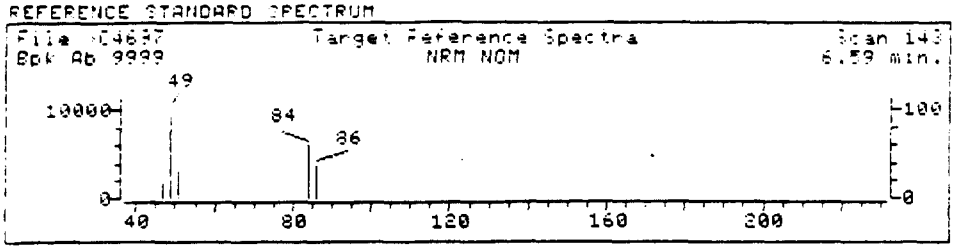
ID File: ID1016::US
Title: IFB
Last Calibration: 890520 13:46

	Compound	R.T.	Scan#	Area	Conc	Units	q
1)	*Bromochloromethane	12.86	303	26194	250.00	NG	95
6)	Methylene chloride	9.33	212	4107	31.39	NG	93
13)	1,2-Dichloroethane-D4 (SURR)	15.69	376	108175	266.78	NG	9-
15)	*1,4-Difluorobenzene	23.18	569	127247	250.00	NG	[illegible]
29)	*Chlorobenzene-d5	28.31	701	110720	250.00	NG	98
34)	Toluene-D8 (SURR)	26.87	664	112485	259.62	NG	85
38)	p-Bromofluorobenzene (SURR)	34.64	864	133011	243.85	NG	73

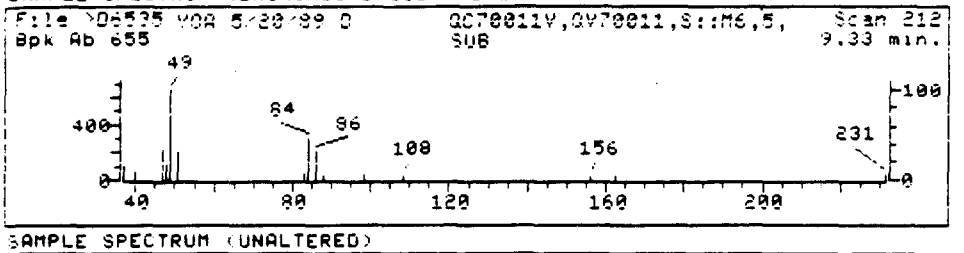
5/31/89

* Compound is ISTD

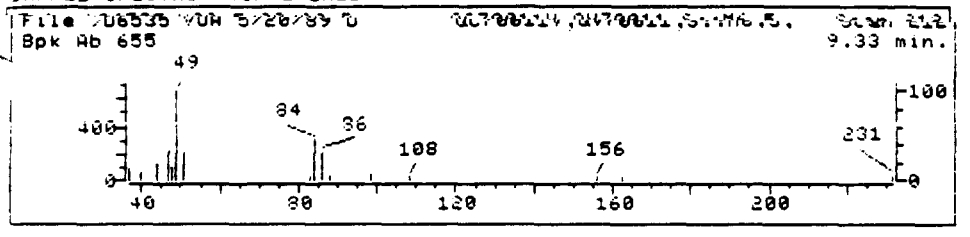
REFERENCE STANDARD SPECTRUM



SAMPLE SPECTRUM (BACKGROUND SUBTRACTED)

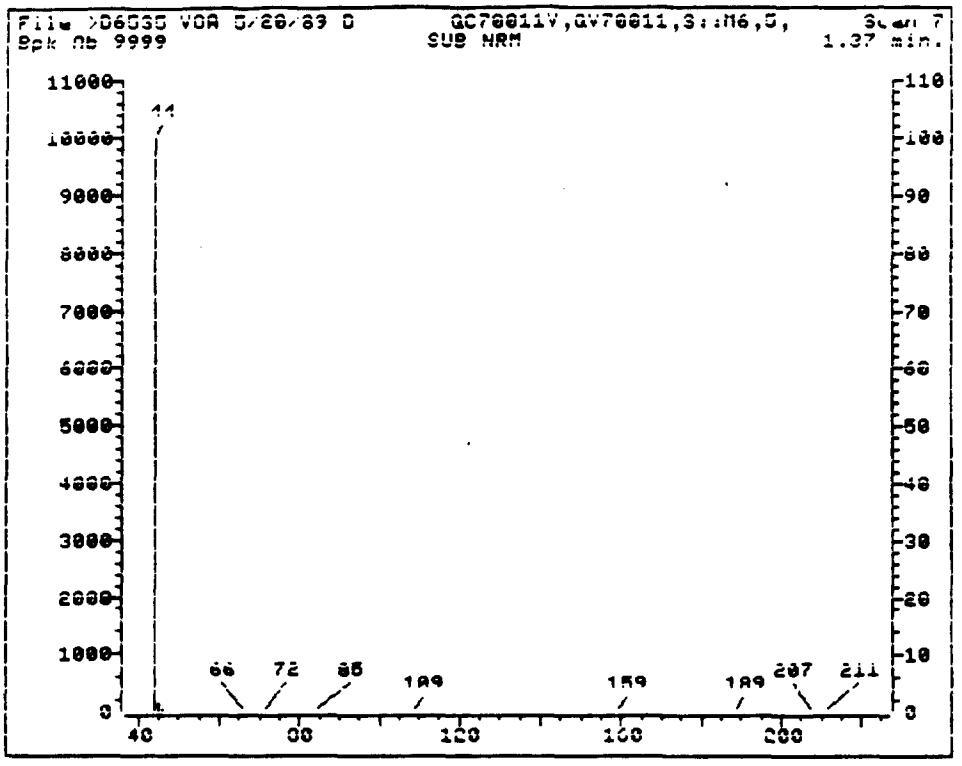


SAMPLE SPECTRUM (UNALTERED)



Data File: >D6535::U0 Quant Output File: >D6535::HQ
Name: VOA 5/20/89 D
Misc: QC70011V,QV70011,S::M6,5,,
Quant Time: 890520 14:54 Quant ID File: ID1016::US
Injected at: 890520 14:12 Last Calibration: 890520 13:46

Compound No: 6
Compound Name: Methylene chloride
Scan Number: 212
Retention Time: 9.33 min.
Quant Ion: 84.0
Area: 4107
Concentration: 31.39 NG
q-value: 93



Data File: >D6535::U0
Name: VOA 5/20/89 D
Misc Data: QC70011V,QV70011,S::M6,5,,
RT (min): 1.37
Scan: 7
Area: 13334162 Rank: 1
Semi-quantitative Conc (uncorrected): 12021.38 NG
Semi-quantitative Conc (corrected): 2404.28 ug/kg
Calculated using Istd: Bromochloromethane @ 12.86 minutes

No PBM hits for this scan.

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

Lab Name: ETC Corp. Contract:

Lab Code: Case No.: SAS No.: SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: CA0212VS

Sample wt/vol: 5.0 (g/mL) G Lab File ID: >D6523

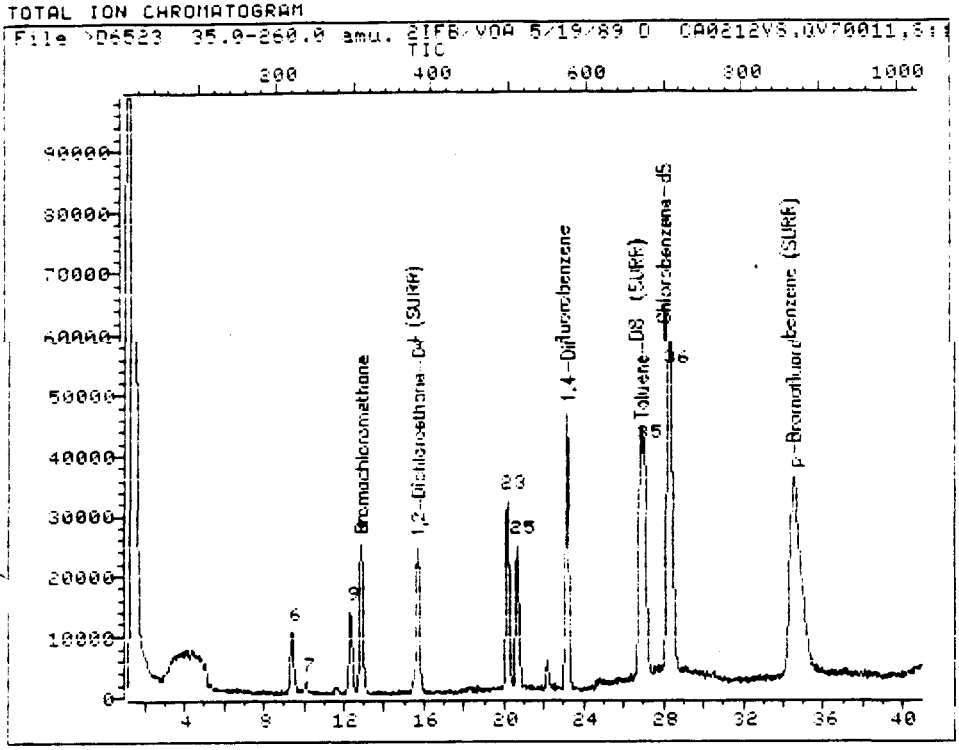
Level: (low/med) LOW Date Received: 05/13/89

% Moisture: not dec. Date Analyzed: 05/19/89

Column: (pack/cap) PACK Dilution Factor: 1

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	32	
67-64-1	Acetone	23	
75-15-0	Carbon Disulfide	5	U
75-35-4	1,1-Dichloroethene	34	
75-34-3	1,1-Dichloroethane	5	U
540-59-0	1,2-Dichlorethene (total)	5	U
67-66-3	Chloroform	5	U
107-06-2	1,2-Dichloroethane	5	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	5	U
56-23-5	Carbon Tetrachloride	5	U
108-05-4	Vinyl Acetate	10	U
75-27-4	Bromodichloromethane	5	U
78-87-5	1,2-Dichloropropane	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
79-01-6	Trichloroethene	41	
124-48-1	Dibromochloromethane	5	U
79-00-5	1,1,2-Trichloroethane	5	U
71-43-2	Benzene	41	
10061-02-6	trans-1,3-Dichloropropene	5	U
75-25-2	Bromoform	5	U
108-10-1	4-Methyl-2-Pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	5	U
79-34-5	1,1,2,2-Tetrachloroethane	5	U
108-88-3	Toluene	34	
108-90-7	Chlorobenzene	43	
100-41-4	Ethylbenzene	5	U
100-42-5	Styrene	5	U
1330-20-7	Xylene (total)	5	U

TOTAL ION CHROMATOGRAM



Data File: >D6523::UO Quant Output File: >D6523::AQ
Name: 2IFB/VOA 5/19/89 D
Misc: CA0212VS,QV70011,S::M6,5,, 10 UL MATRIX SPIKE

Id File: ID1016::US
Title: IFB
Last Calibration: 890520 12:45

Operator ID: RL9134
Quant Time: 890520 12:47
Injected at: 890519 15:20

Operator ID: RL9134 Quant Rev: 7 Quant Time: 890520 12:47
Output File: >D6523::HQ Injected at: 890519 19:20
Data File: >D6523::U0 Dilution Factor: 1.00000
Name: 2IFB/VOA 5/19/89 D
Misc: CA0212VS,QV70011,S::Mb,5,, 10 UL MATRIX SPIKE

ID File: ID101b::US
Title: IFB
Last Calibration: 890520 12:45

	Compound	R.T.	Scan#	Area	Conc	Units	q
1)	*Bromochloromethane	12.87	303	30183	250.00	NG	92
6)	Methylene chloride	9.42	214	22994	161.36	NG	97
7)	Acetone	10.07	231	12870	113.64	NG	72
9)	1,1-Dichloroethylene	12.32	289	18835	169.46	NG	77
13)	1,2-Dichloroethane-D4 (SURR)	15.70	376	135389	245.14	NG	97
15)	*1,4-Difluorobenzene	23.19	569	143199	250.00	NG	87
23)	Trichloroethylene	20.20	492	45069	203.31	NG	69
25)	Benzene	20.67	504	80324	203.36	NG	69
29)	*Chlorobenzene-d5	28.28	700	124236	250.00	NG	47
34)	Toluene-D8 (SURR)	26.88	664	143138	230.47	NG	84
35)	Toluene	27.08	669	70897	171.54	NG	90
36)	Chlorobenzene	28.44	704	114956	216.40	NG	80
38)	p-Bromofluorobenzene (SURR)	34.53	861	161567	281.30	NG	75

RA 5/31/89

* Compound is ISTD

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

Lab Name: ETC Corp. Contract:

Lab Code: Case No.: SAS No.: SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: CA0212VR

Sample wt/vol: 5.0 (g/mL) G Lab File ID: >C6526

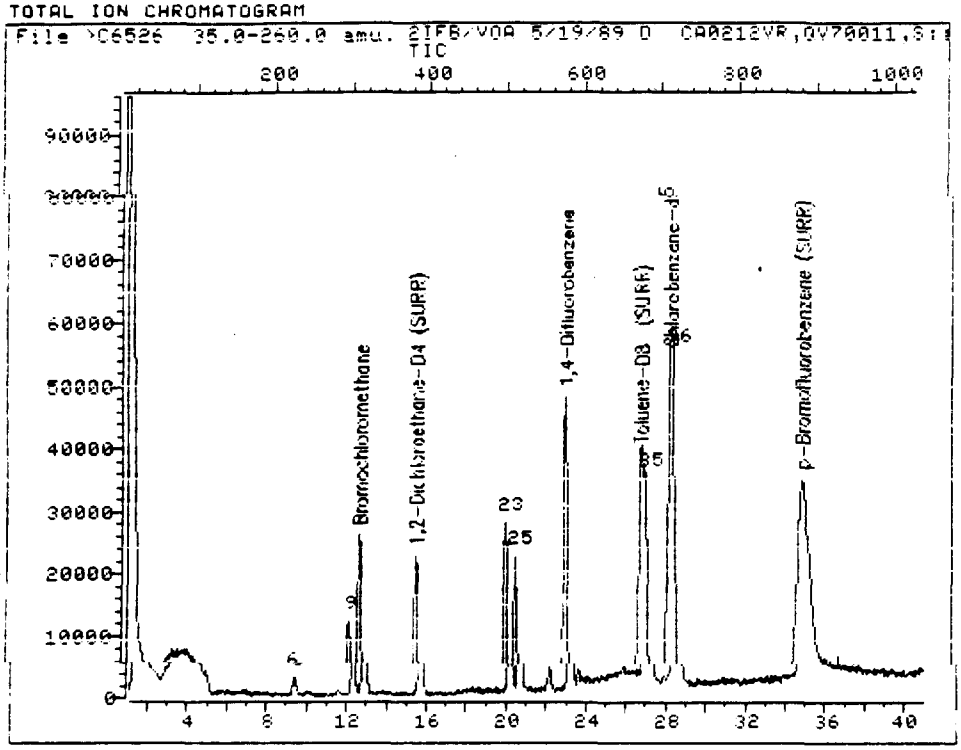
Level: (low/med) LOW Date Received: 05/13/89

% Moisture: not dec. Date Analyzed: 05/19/89

Column: (pack/cap) PACK Dilution Factor: 1

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	9	
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	5	U
75-35-4	1,1-Dichloroethene	30	
75-34-3	1,1-Dichloroethane	5	U
540-59-0	1,2-Dichlorethene (total)	5	U
67-66-3	Chloroform	5	U
107-06-2	1,2-Dichloroethane	5	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	5	U
56-23-5	Carbon Tetrachloride	5	U
108-05-4	Vinyl Acetate	10	U
75-27-4	Bromodichloromethane	5	U
78-87-5	1,2-Dichloropropane	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
79-01-6	Trichloroethene	34	
124-48-1	Dibromochloromethane	5	U
79-00-5	1,1,2-Trichloroethane	5	U
71-43-2	Benzene	35	
10061-02-6	trans-1,3-Dichloropropene	5	U
75-25-2	Bromoform	5	U
108-10-1	4-Methyl-2-Pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	5	U
79-34-5	1,1,2,2-Tetrachloroethane	5	U
108-88-3	Toluene	29	
108-90-7	Chlorobenzene	37	
100-41-4	Ethylbenzene	5	U
100-42-5	Styrene	5	U
1330-20-7	Xylene (total)	5	U

TOTAL ION CHROMATOGRAM



Data File: >C6526::U0 Quant Output File: ^D6526::US
Name: 2IFB/V0A 5/19/89 D
Misc: CA0212VR,QV70011,S::M6,5,, 10 UL MATRIX

Id File: ID1016::US
Title: IFB
Last Calibration: 890520 12:45

Operator ID: RL9134
Quant Time: 890520 12:48
Injected at: 890519 18:27

Operator ID: RL9134 Quant Rev: 7 Quant Time: 890520 12:48
Output File: ^D6526::US Injected at: 890519 18:27
Data File: ^C6526::U0 Dilution Factor: 1.00000
Name: 2IFB/VOA 5/19/89 D
Misc: CA0212UR,QU70011,S::M6,5,, 10 UL MATRIX

ID File: ID1016::US
Title: IFB
Last Calibration: 890520 12:45

	Compound	R.T.	Scan#	Area	Conc	Units	q
1)	*Bromochloromethane	12.90	304	30322	250.00	NG	92
6)	Methylene chloride	9.41	214	6250	43.66	NG	78
9)	1,1-Dichloroethylene	12.35	290	16548	148.21	NG	77
13)	1,2-Dichloroethane-D4 (SURR)	15.73	377	126819	228.58	NG	95
15)	*1,4-Difluorobenzene	23.22	570	145727	250.00	NG	90
23)	Trichloroethylene	20.19	492	38245	169.57	NG	68
25)	Benzene	20.70	505	70537	175.49	NG	74
29)	*Chlorobenzene-d5	28.47	705	132211	250.00	NG	90
34)	Toluene-D8 (SURR)	27.00	667	136191	206.06	NG	86
35)	Toluene	27.23	673	64665	147.03	NG	92
36)	Chlorobenzene	28.59	708	104851	185.47	NG	84
38)	p-Bromofluorobenzene (SURR)	35.07	875	163104	266.85	NG	73

5/31/89

* Compound is ISTD

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

Lab Name: ETC Corp. Contract:

Lab Code: Case No.: SAS No.: SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: CA11253US

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: >C6348

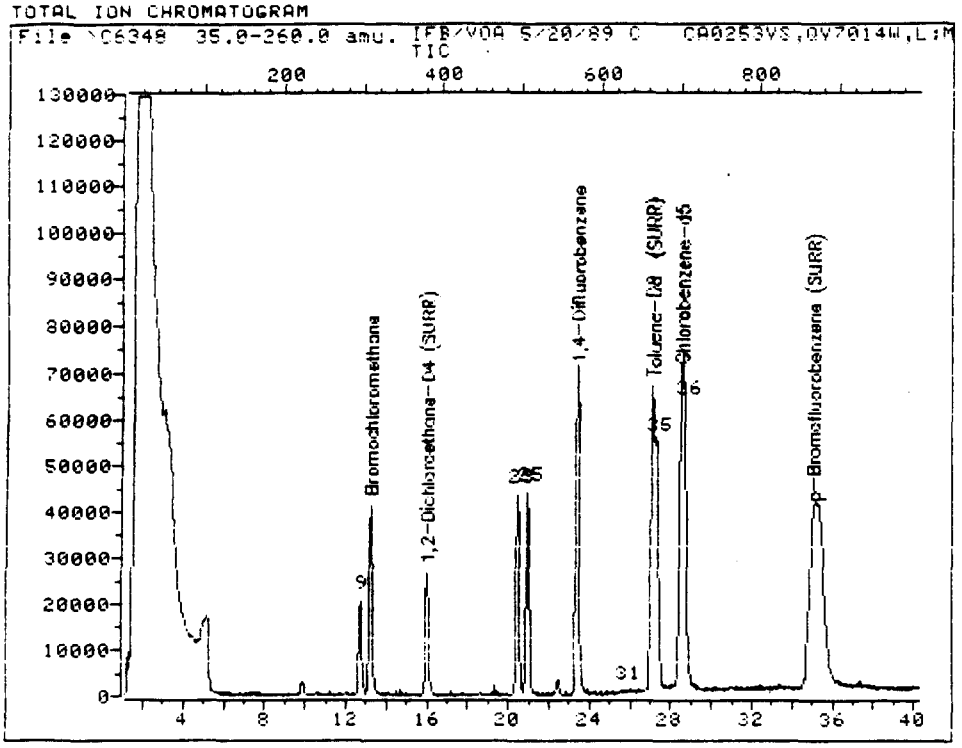
Level: (low/med) LOW Date Received: 05/13/89

% Moisture: not dec. Date Analyzed: 05/21/89

Column: (pack/cap) PACK Dilution Factor: 1

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	5	U
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	5	U
75-35-4	1,1-Dichloroethene		
75-34-3	1,1-Dichloroethane	5	U
540-59-0	1,2-Dichloroethene (total)	5	U
67-66-3	Chloroform	5	U
107-06-2	1,2-Dichloroethane	5	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	5	U
56-23-5	Carbon Tetrachloride	5	U
108-05-4	Vinyl Acetate	10	U
75-27-4	Bromodichloromethane	5	U
78-87-5	1,2-Dichloropropane	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
79-01-6	Trichloroethene		
124-48-1	Dibromochloromethane	5	U
79-00-5	1,1,2-Trichloroethane	5	U
71-43-2	Benzene		
10061-02-6	trans-1,3-Dichloropropene	5	U
75-25-2	Bromoform	5	U
108-10-1	4-Methyl-2-Pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	5	U
79-34-5	1,1,2,2-Tetrachloroethane	5	U
108-88-3	Toluene		
108-90-7	Chlorobenzene		
100-41-4	Ethylbenzene	5	U
100-42-5	Styrene	5	U
1330-20-7	Xylene (total)	5	U

TOTAL ION CHROMATOGRAM



Data File: ^C6348::U0 Quant Output File: ^C6348::AQ
Name: IFB/V0A 5/20/89 C
Misc: CA0253VS,QV7014W,L:M6,5,,

Id File: IC1017::US
Title: IFB
Last Calibration: 890520 13:14

Operator ID: GM6356
Quant Time: 890520 14:18
Injected at: 890520 13:37

QUANT REPORT Page 1

Operator ID: GM6356 Quant Rev: 7 Quant Time: 890520 14:18
Output File: ^C6348::AQ Injected at: 890520 13:37
Data File: >C6348::U0 Dilution Factor: 1.00000
Name: IFB/VOA 5/20/89 C
Misc: CA0253VS,QV7014W,L:M6,5,,

ID File: IC1017::US
Title: IFB
Last Calibration: 890520 13:14

	Compound	R.T.	Scan#	Area	Conc	Units	q
1)	*Bromochloromethane	13.24	310	72305	250.00	NG	96
9)	1,1-Dichloroethylene	12.73	297	44999	158.62	NG	96
13)	1,2-Dichloroethane-D4 (SURR)	16.02	381	110790	248.00	NG	83
15)	*1,4-Difluorobenzene	23.42	570	339967	250.00	NG	92
23)	Trichloroethylene	20.48	495	91628	153.85	NG	91
25)	Benzene	20.99	508	201392	174.04	NG	97
29)	*Chlorobenzene-d5	28.56	701	250305	250.00	NG	90
31)	2-Hexanone	25.73	629	2320	~~6.93~~	~~NG~~	46
34)	Toluene-D8 (SURR)	27.15	665	288305	257.63	NG	93
35)	Toluene	27.35	670	141534	183.15	NG	97
36)	Chlorobenzene	28.72	705	197025	180.71	NG	96
38)	p-Bromofluorobenzene (SURR)	35.06	867	184953	247.46	NG	94

* Compound is ISTD

CA
6-15-89

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

Lab Name: ETC Corp. Contract:

Lab Code: Case No.: SAS No.: SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: CA11253UR

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: >C6349

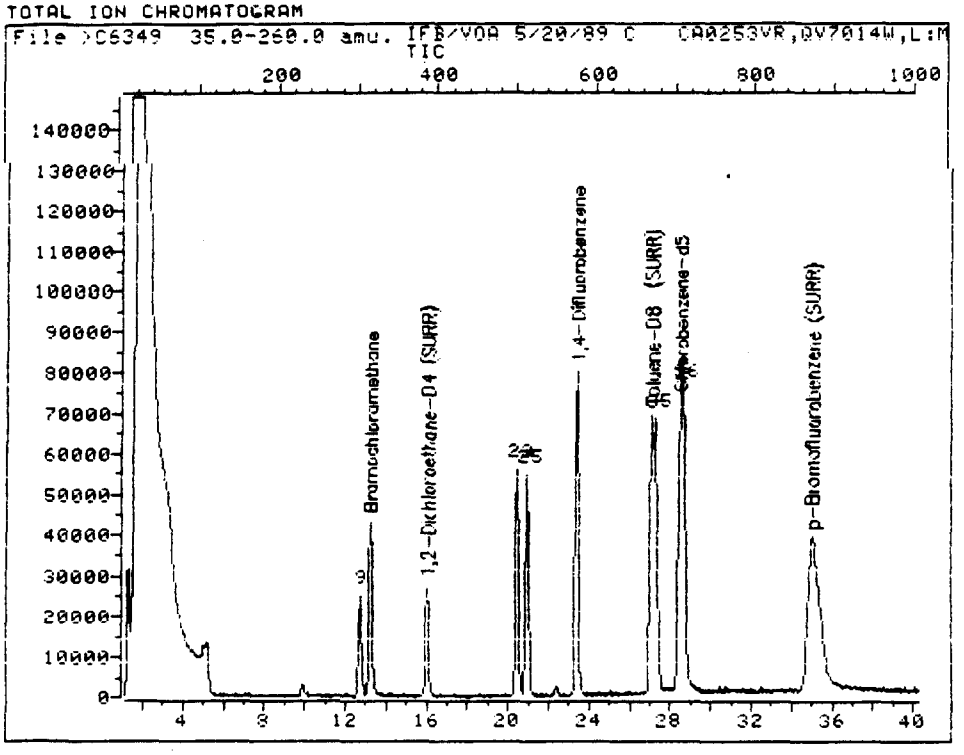
Level: (low/med) LOW Date Received: 05/13/89

% Moisture: not dec. Date Analyzed: 05/21/89

Column: (pack/cap) PACK Dilution Factor: 1

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	5	U
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	5	U
75-35-4	1,1-Dichloroethene		
75-34-3	1,1-Dichloroethane	5	U
540-59-0	1,2-Dichloroethene (total)	5	U
67-66-3	Chloroform	5	U
107-06-2	1,2-Dichloroethane	5	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	5	U
56-23-5	Carbon Tetrachloride	5	U
108-05-4	Vinyl Acetate	10	U
75-27-4	Bromodichloromethane	5	U
78-87-5	1,2-Dichloropropane	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
79-01-6	Trichloroethene		
124-48-1	Dibromochloromethane	5	U
79-00-5	1,1,2-Trichloroethane	5	U
71-43-2	Benzene	40	
10061-02-6	trans-1,3-Dichloropropene	5	U
75-25-2	Bromoform	5	U
108-10-1	4-Methyl-2-Pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	5	U
79-34-5	1,1,2,2-Tetrachloroethane	5	U
108-88-3	Toluene		
108-90-7	Chlorobenzene		
100-41-4	Ethylbenzene	5	U
100-42-5	Styrene	5	U
1330-20-7	Xylene (total)	5	U

TOTAL ION CHROMATOGRAM



Data File: >C6349::U0 Quant Output File: ^C6349::AQ
Name: IFB/VOA 5/20/89 C
Misc: CA0253VR,QV7014W,L:M6,5,,

Id File: IC1017::US
Title: IFB
Last Calibration: 890520 13:14

Operator ID: GM6356
Quant Time: 890520 15:08
Injected at: 890520 14:27

QUANT REPORT Page 1

Operator ID: GM6356 Quant Rev: 7 Quant Time: 890520 15:08
Output File: ^C6349::AQ Injected at: 890520 14:27
Data File: >C6349::U0 Dilution Factor: 1.00000
Name: IFB/U0A 5/20/89 C
Misc: CA0253VR,QV7014W,L:M6,5,,

ID File: IC1017::US
Title: IFB
Last Calibration: 890520 13:14

	Compound	R.T.	Scan#	Area	Conc	Units	q
1)	*Bromochloromethane	13.24	310	76630	250.00	NG	94
9)	1,1-Dichloroethylene	12.73	297	55107	183.29	NG	97
13)	1,2-Dichloroethane-D4 (SURR)	16.06	382	117395	247.95	NG	89
15)	*1,4-Difluorobenzene	23.42	570	369232	250.00	NG	92
23)	Trichloroethylene	20.44	494	115991	179.32	NG	89
25)	Benzene	20.95	507	253679	201.85	NG	97
29)	*Chlorobenzene-d5	28.52	700	259546	250.00	NG	90
34)	Toluene-D8 (SURR)	27.11	664	300653	259.10	NG	93
35)	Toluene	27.30	669	177294	221.26	NG	99
36)	Chlorobenzene	28.68	704	241599	213.71	NG	94
38)	p-Bromofluorobenzene (SURR)	35.02	866	194654	251.16	NG	92

* Compound is ISTD

(CA)
6-15-89

SEMIVOLATILES DATA

QC SUMMARY

2D

SOIL SEMIVOLATILE SURROGATE RECOVERY

Lab Name: ETC Corp. Contract: _____

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: _____

Level: (low/med) LOW

WW 5/24/88

	~~EPA~~ ETC SAMPLE NO.	S1 (NBZ) #	S2 (FBP) #	S3 (TPH) #	S4 (PHL) #	S5 (2FP) #	S6 (TBP) #	OTHER	TOT OUT
01	QC70018C	64	50	36	76	72	25		0
02	BJ1630C	54	52	73	46	45	33		0
03	BJ1630CS	50	46	55	46	50	22		0
04	BJ1630CR	56	54	64	44	38	6 *		1
05	CA0212C	50	48	90	54	84	21		0
06	CA0212CS	56	55	75	56	82	25		0
07	CA0212CR	58	62	54	54	51	10 *		1
08									
09									
10									
11									
12									
13									
14									
15									
16									
17									
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19									
20									
21									
22									
23									
24									
25									
26									
27									
28									
29									
30									

		QC LIMITS
S1 (NBZ)	= Nitrobenzene-d5	(23-120)
S2 (FBP)	= 2-Fluorobiphenyl	(30-115)
S3 (TPH)	= Terphenyl-d14	(18-137)
S4 (PHL)	= Phenol-d6	(24-113)
S5 (2FP)	= 2-Fluorophenol	(25-121)
S6 (TBP)	= 2,4,6-Tribromophenol	(19-122)

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

3D

SEMI VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: FTC Corp. Contract: _____

Lab Code: Case No.: _____ SAS No.: SDG No.:

Matrix Spike - EPA Sample No.: CA0172ES Level: (LOW/MED) LOW

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC	#	QC LIMITS REC.
Phenol	16664.446	0.0000	4515.964	68		26- 90
2-Chlorophenol	16664.446	0.0000	3474.562	52		25-102
1,4-Dichlorobenzene	13332.225	0.0000	2529.558	22		28-104
N-Nitroso-di-n-prop.(1)	13332.225	0.0000	5398.959	40		41-126
1,2,4-Trichlorobenzene	13332.225	0.0000	2582.565	69		38-107
4-Chloro-3-methylphenol	16664.446	0.0000	2663.315	40		26-103
Acenaphthene	13332.225	0.0000	2046.179	61		31-137
4-Nitrophenol	16664.446	0.0000	986.952	6	*	11-114
2,4-Dinitrotoluene	13332.225	0.0000	916.918	28	*	28- 89
Pentachlorophenol	16664.446	0.0000	2056.895	31		17-109
Pyrene	13332.225	0.0000	2211.161	66		35-142

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC	#	% RPD	#	QC LIMITS RPD	QC LIMITS REC.
Phenol	16652.289	3549.147	50		29		35	26- 90
2-Chlorophenol	16652.289	3223.959	48		7		50	25-102
1,4-Dichlorobenzene	13321.831	2472.414	74		4		27	28-104
N-Nitroso-di-n-prop.(1)	13321.831	1222.852	38	*	8		38	41-126
1,2,4-Trichlorobenzene	13321.831	2164.616	62		17		23	38-107
4-Chloro-3-methylphenol	16652.289	1998.252	50		28		33	26-103
Acenaphthene	13321.831	2114.169	61		1		19	31-137
4-Nitrophenol	16652.289	101.545	2	*	117	*	50	11-114
2,4-Dinitrotoluene	13321.831	426.869	13	*	73	*	47	28- 89
Pentachlorophenol	16652.289	0.0000	0	*	214	*	47	17-109
Pyrene	13321.831	2265.241	68		5		36	35-142

(1) N-Nitroso-di-n-propylamine

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

Values outside of limits

RPD: 5 out of 11 outside limits
Spike Recovery: 6 out of 22 outside limits

Comments: _____

4R

SEMIVOLATILE METHOD BLANK SUMMARY

Lab Name: ETC Corp. Contract: _____

Lab Code: Case No.: _____ SAS No.: SDG No.:

Lab File ID: >G7322 Lab Sample ID: QC7001BC

Date Extracted: 05/19/89 Extraction: (SepF/Cont/Sonc) SONC

Date Analyzed 06/08/89 Time Analyzed: 0910

Matrix: (soil/water) SOIL Level: (low/med) LOW

Instrument ID: GC/MS G

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

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
01	_____	B11630C	>G7324	06/08/89
02	_____	B11630CS	>G7325	06/08/89
03	_____	CA0212CR	>G7329	06/08/89
04	_____	B11630CR	>G7364	06/16/89
05	_____	CA0212C	>G7365	06/16/89
06	_____	CA0212CS	>G7366	06/16/89
07	_____	_____	_____	_____
08	_____	_____	_____	_____
09	_____	_____	_____	_____
10	_____	_____	_____	_____
11	_____	_____	_____	_____
12	_____	_____	_____	_____
13	_____	_____	_____	_____
14	_____	_____	_____	_____
15	_____	_____	_____	_____
16	_____	_____	_____	_____
17	_____	_____	_____	_____
18	_____	_____	_____	_____
19	_____	_____	_____	_____
20	_____	_____	_____	_____
21	_____	_____	_____	_____
22	_____	_____	_____	_____
23	_____	_____	_____	_____
24	_____	_____	_____	_____
25	_____	_____	_____	_____
26	_____	_____	_____	_____
27	_____	_____	_____	_____
28	_____	_____	_____	_____
29	_____	_____	_____	_____
30	_____	_____	_____	_____

Comments: _____

_____

5B

SEMIVOLATILE ORGANIC GC/MS TUNING AND MASS CALIBRATION - DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: ETC CORP Contract:_____

Lab Code: _____ Case No.: _____ SAS No.:_____ SDG No.:_____

Lab File ID:>G7301 DFTPP Injection Date: 06/07/89

Instrument ID.:_9_ DFTPP Injection Time: 15:57

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30-60% of mass 198	54.0
68	Less than 2% of mass 69	0.0(0.0)1
69	Mass 69 relative abundance	69.1
70	Less than 2% of mass 69	.2(.3)1
127	40-60% of mass 198	51.8
197	Less than 1% of mass 198	0.0
198	Base peak, 100% relative abundance	100.0
199	5-9% of mass 198	6.4
275	10-30% of mass 198	19.7
365	Greater than 1% of mass 198	2.0
441	Present,but less than mass 443	8.3
442	Greater than 40% of mass 198	96.3
443	17-23% of mass 442	10.6(18.8)2

1-Value is % mass 69 2-Value is % mass 442

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

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01		BWA V	2 G 7303	06/07/89	17:34
02		SB	2 G 7304		19:09
03		[illegible]	2 G 7305		20:09
04		[illegible]	2 G 7306		20:58
05		[illegible]	2 G 7307		21:41
06					
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					

5B

SEMIVOLATILE ORGANIC GC/MS TUNING AND MASS CALIBRATION - DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: ETC CORP Contract:_____

Lab Code: _____ Case No.: _____ SAS No.:_____ SDG No.:_____

Lab File ID:>G7320 DFTPP Injection Date: 06/08/89

Instrument ID.: G DFTPP Injection time: 07:58

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30-60% of mass 198	48.7
68	Less than 2% of mass 69	0.0(0.0)1
69	Mass 69 relative abundance	62.7
70	Less than 2% of mass 69	.2(.2)1
127	40-60% of mass 198	48.0
197	Less than 1% of mass 198	0.0
198	Base peak, 100% relative abundance	100.0
199	5-9% of mass 198	6.3
275	10-30% of mass 198	19.2
365	Greater than 1% of mass 198	1.5
441	Present,but less than mass 443	8.2
442	Greater than 40% of mass 198	57.1
443	17-23% of mass 442	10.9(19.0)2

1-Value is % mass 69 2-Value is % mass 442

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

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01		BNA II	2G 7321	06/08/89	08:19
02		AC700186	2G 7322		09:10
03		AC700186S	2G 7323		10:00
04		BI1630C	2G 7324		10:50
05		BI1630CS	2G 7325		11:41
06		BI1630CR	2G 7326		12:31
07		CA0312C	2G 7327		13:21
08		CA0312CS	2G 7328		14:11
09		CA0312CR	2G 7329		15:02
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					

5B

SEMIVOLATILE ORGANIC GC/MS TUNING AND MASS CALIBRATION - DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: ETC CORP Contract: _____

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: _____

Lab File ID: >G7359 DFTPP Injection Date: 06/16/89

Instrument ID.: G DFTPP Injection time: 13:03

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30-60% of mass 198	54.6
68	Less than 2% of mass 69	.8(1.1)1
69	Mass 69 relative abundance	65.8
70	Less than 2% of mass 69	.2(.3)1
127	40-60% of mass 198	46.6
197	Less than 1% of mass 198	0.0
198	Base peak, 100% relative abundance	100.0
199	5-9% of mass 198	6.6
275	10-30% of mass 198	20.6
365	Greater than 1% of mass 198	1.9
441	Present,but less than mass 443	9.5
442	Greater than 40% of mass 198	67.2
443	17-23% of mass 442	12.9(19.2)2

1-Value is % mass 69 2-Value is % mass 442

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

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01		BWA II	> G 7360	06/16/89	~~16:56~~ 13:37
02		BSI630CR	> G 7364		~~17:46~~ 16:56
03		CA0212C	> G 7365		~~18:38~~ 17:46
04		CA0212CS	> G 7366		~~19:28~~ 18:38
05					
06					
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					

(EA) 6-21-89

SAMPLE DATA

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

Lab Name: ETC Corp. Contract:

Lab Code: Case No.: SAS No.: SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: CA0212C

Sample wt/vol: 30.30 (g/ml.) G Lab File ID: >G7365

Level: (low/med) LOW Date Received: 05/13/89

% Moisture: not dec. 8 dec. Date Extracted: 05/19/89

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 06/16/89

GPC Cleanup: (Y/N) N pH: Dilution Factor: 10

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	3600	U
111-44-4	bis(2-Chloroethyl)ether	3600	U
95-57-8	2-Chlorophenol	3600	U
541-73-1	1,3-Dichlorobenzene	3600	U
106-46-7	1,4-Dichlorobenzene	3600	U
100-51-6	Benzyl alcohol	3600	U
95-50-1	1,2-Dichlorobenzene	3600	U
95-48-7	2-Methylphenol	3600	U
108-60-1	bis(2-Chloroisopropyl)ether	3600	U
106-44-5	4-Methylphenol	3600	U
621-64-7	N-Nitroso-di-n-propylamine	3600	U
67-72-1	Hexachloroethane	3600	U
98-95-3	Nitrobenzene	3600	U
78-59-1	Isophorone	3600	U
88-75-5	2-Nitrophenol	3600	U
105-67-9	2,4-Dimethylphenol	3600	U
65-85-0	Benzoic acid	18000	U
111-91-1	bis(2-Chloroethoxy)methane	3600	U
120-83-2	2,4-Dichlorophenol	3600	U
120-82-1	1,2,4-Trichlorobenzene	3600	U
91-20-3	Naphthalene	3600	U
106-47-8	4-Chloroaniline	3600	U
87-68-3	Hexachlorobutadiene	3600	U
59-50-7	4-Chloro-3-methylphenol	3600	U
91-57-6	2-Methylnaphthalene	3600	U
77-47-4	Hexachlorocyclopentadiene	3600	U
88-06-2	2,4,6-Trichlorophenol	3600	U
95-95-4	2,4,5-Trichlorophenol	18000	U
91-58-7	2-Chloronaphthalene	3600	U
88-74-4	2-Nitroaniline	18000	U
131-11-3	Dimethylphthalate	3600	U
208-96-8	Acenaphthylene	3600	U
606-20-2	2,6-Dinitrotoluene	3600	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

Lab Name: ETC Corp Contract:

Lab Code: Case No.: SAS No.: SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: CA0212C

Sample wt/vol: 30.30 (g/mL) G Lab File ID: >G7365

Level: (low/med) LOW Date Received: 05/13/89

% Moisture: not dec. 8 dec. Date Extracted: 05/19/89

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 06/16/89

GPC Cleanup: (Y/N) N pH: Dilution Factor: 10

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
99-09-2	3-Nitroaniline	18000	U
83-32-9	Acenaphthene	3600	U
51-28-5	2,4-Dinitrophenol	18000	U
100-02-7	4-Nitrophenol	18000	U
132-64-9	Dibenzofuran	3600	U
121-14-2	2,4-Dinitrotoluene	3600	U
84-66-2	Diethylphthalate	3600	U
7005-72-3	4-Chlorophenyl-phenylether	3600	U
86-73-7	Fluorene	3600	U
100-01-6	4-Nitroaniline	18000	U
534-52-1	4,6-Dinitro-2-methylphenol	18000	U
86-30-6	N-Nitrosodiphenylamine (1)	3600	U
101-55-3	4-Bromophenyl-phenylether	3600	U
118-74-1	Hexachlorobenzene	3600	U
87-86-5	Pentachlorophenol	18000	U
85-01-8	Phenanthrene	3600	U
120-12-7	Anthracene	3600	U
84-74-2	Di-n-butylphthalate	3600	U
206-44-0	Fluoranthene	3600	U
129-00-0	Pyrene	3600	U
85-68-7	Butylbenzylphthalate	3600	U
91-94-1	3,3'-Dichlorobenzidine	7200	U
56-55-3	Benzo(a)anthracene	3600	U
218-01-9	Chrysene	3600	U
117-81-7	bis(2-Ethylhexyl)phthalate	5600	U
117-84-0	Di-n-octylphthalate	3600	U
205-99-2	Benzo(b)fluoranthene	3600	U
207-08-9	Benzo(k)fluoranthene	3600	U
50-32-8	Benzo(a)pyrene	3600	U
193-39-5	Indeno(1,2,3-cd)pyrene	3600	U
53-70-3	Dibenz(a,h)anthracene	3600	U
191-24-2	Benzo(g,h,i)perylene	3600	U

(1) - Cannot be separated from Diphenylamine

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: ETC Corp Contract:

Lab Code: Case No.: SAS No.: SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: CA0212

Sample wt/vol: 30.30 (g/mL) G Lab File ID: > G7365

Level: (low/med) LOW Date Received: 05/13/89

% Moisture: not dec. 8 dec. Date Extracted: 05/19/89

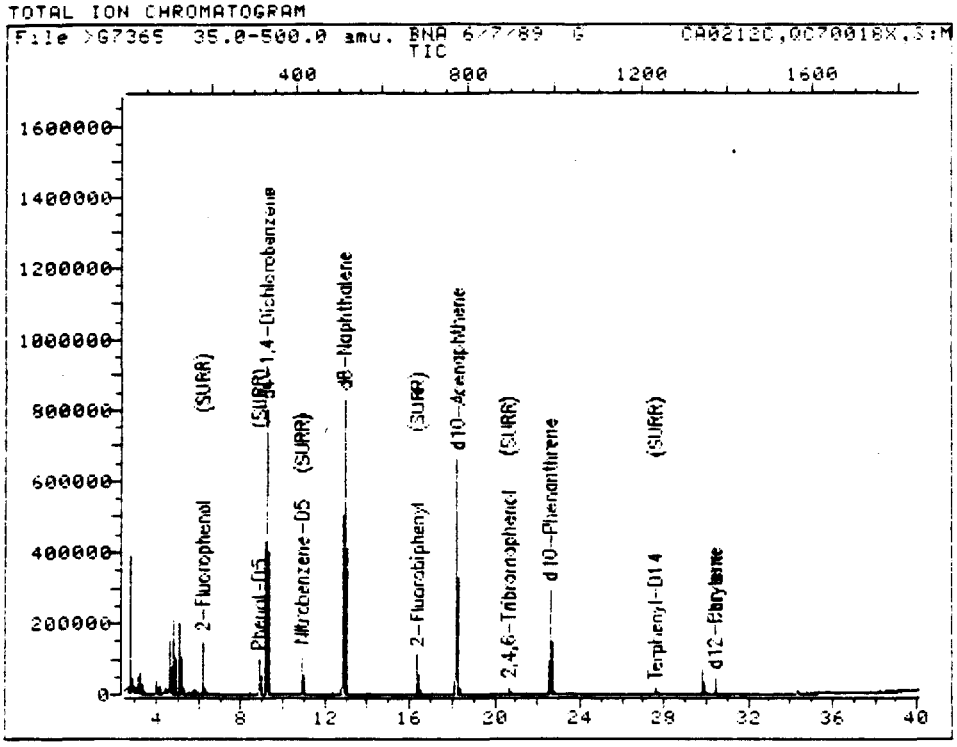
Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 06/16/89

GPC Cleanup: (Y/N) N pH: Dilution Factor: 1

Numbe: :Cs found: 4 CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		2-Pentanone-methyl	2.75	4200	BJ
2.		Alkane	4.78	4000	BJ
3.		Acetone dimer	5.11	3600	BJ
4.		Alkane	4.60	3000	BJ
5.					
6.					
7.					
8.					
9.					
10.					
11.					
12.					
13.					
14.					
15.					
16.					
17.					
18.					
19.					
20.					
21.					
22.					
23.					
24.					
25.					
26.					
27.					
28.					
29.					
30.					

TOTAL ION CHROMATOGRAM



Data File: >G7365::U3 Quant Output File: AG7365::AQ
Name: BNA 6/7/89 G
Misc: CA0212C,QC70018X,S:M4,~~30.30~~ >7.88 ED 6-21-89,10 BTL#14

Id File: IDMAZ::US
Title: ACID/SURR, BN/SURR, PP/PST/PCB, IFB/ACID, IFB/BN, IFB/BNA
Last Calibration: 890620 16:06

Operator ID: GM6356
Quant Time: 890620 18:17
Injected at: 890616 17:46

QUANT REPORT Page 1

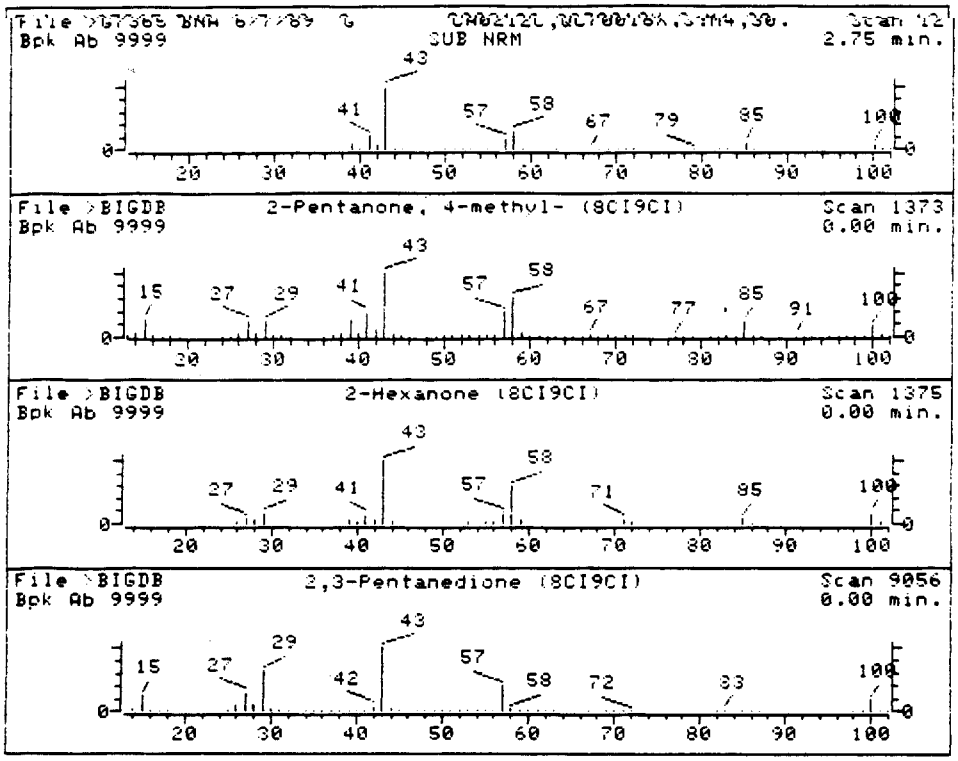
Operator ID: GM635o Quant Rev: 7 Quant Time: 890620 18:17
Output File: AG7365::AQ Injected at: 890616 17:46
Data File: /G7365::U3 Dilution Factor: 1.00000
Name: BNA 6/7/89 G
Misc: CA0212C,QC70018X,S:M4,~~30.70~~ 27.88 CA 6-21-89 ,10 BTL#14

ID File: IDMHZ::US
Title: ACID/SURR, BN/SURR, PP/PST/PCB, IFB/ACID, IFB/BN, IFB/BNA
Last Calibration: 890620 16:06

	Compound		R.T.	Scan#	Area	Conc	Units	q
1)	*d4-1,4-Dichlorobenzene		9.20	329	491410	40.00	UG/ML	89
2)	2-Fluorophenol	(SURR)	6.15	179	96814	16.78	UG/ML	83
4)	Phenol-D5	(SURR)	8.81	310	104008	10.79	UG/ML	95
16)	*d8-Naphthalene		12.86	509	1150347	40.00	UG/ML	92
17)	Nitrobenzene-D5	(SURR)	10.85	410	77033	~~18.15 UG/ML~~ 5.08		92
31)	*d10-Acenaphthene		18.22	772	460083	40.00	UG/ML	95
35)	2-Fluorobiphenyl	(SURR)	16.35	680	87672	~~9.54 UG/ML~~ 4.77		98
51)	2,4,6-Tribromophenol	(SURR)	20.62	890	6408	4.11	UG/ML	99
52)	*d10-Phenanthrene		22.55	985	277636	40.00	UG/ML	98
81)	*d12-Chrysene		30.39	1370	46624	40.00	UG/ML	97
82)	Terphenyl-D14	(SURR)	27.56	1231	16713	~~17.83 UG/ML~~ 8.94		92
83)	*d12-Perylene		30.39	1370	46946M	40.00	UG/ML	

* Compound is ISTD

CA 6-21-89

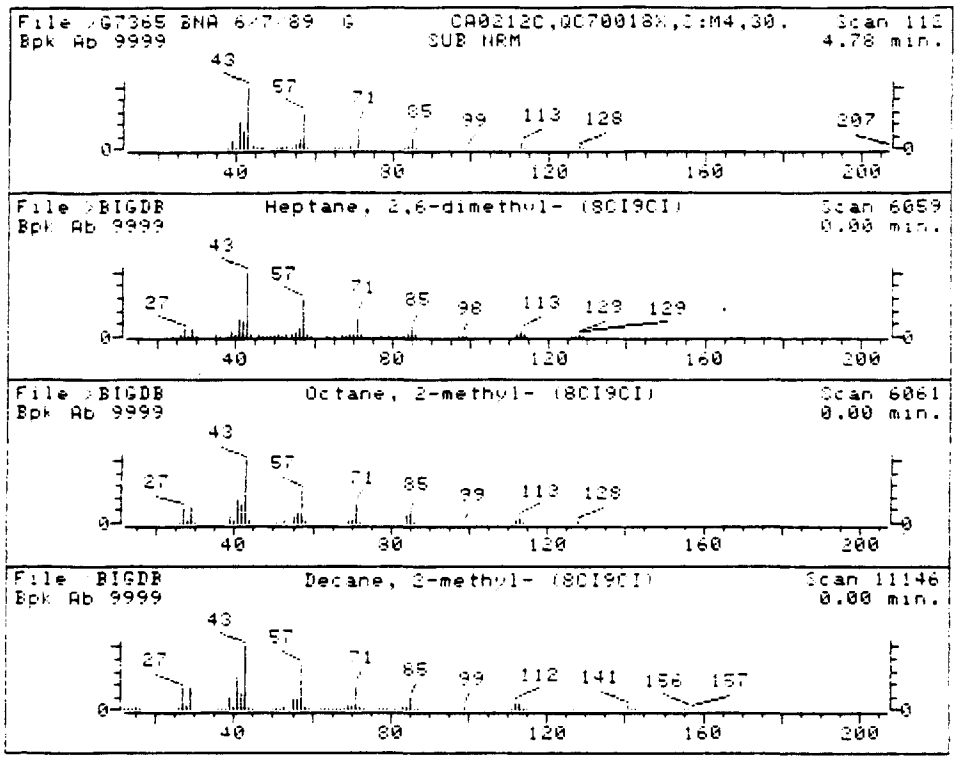


Data File: >G7365::U3
Name: BNA 6/7/89 G
Misc Data: CA0212C,QC70018X,S:M4,~~30.30~~ >7.88 (CA) 6-21-89,10 BTL#14
RT (min): 2.75
Scan: 12
Area: 578630 Rank: 1
Semi-quantitative Conc (uncorrected): 11.83 UG/ML
Semi-quantitative Conc (corrected): 3904.70 ug/kg
Calculated using Istd: d4-1,4-Dichlorobenzene @ 9.20 minutes

1. 2-Pentanone, 4-methyl- (8CI9CI) 100 C6H12O
2. 2-Hexanone (8CI9CI) 100 C6H12O
3. 2,3-Pentanedione (8CI9CI) 100 C5H8O2

Sample file: >G7365 Spectrum #: 12
Search speed: 2 Tilting option: S No. of ion ranges searched: 46

	Prob.	CAS #	CON #	ROOT	K	DK	#FLG	TILT	%	CON	C_I	R_IU
1.	71*	108101	1373	"BIGDB	57	23	0	0	33	43	24	78
2.	30*	591786	1375	"BIGDB	30	38	1	0	40	38	10	16
3.	20*	600146	9056	"BIGDB	25	46	1	0	43	52	5	14

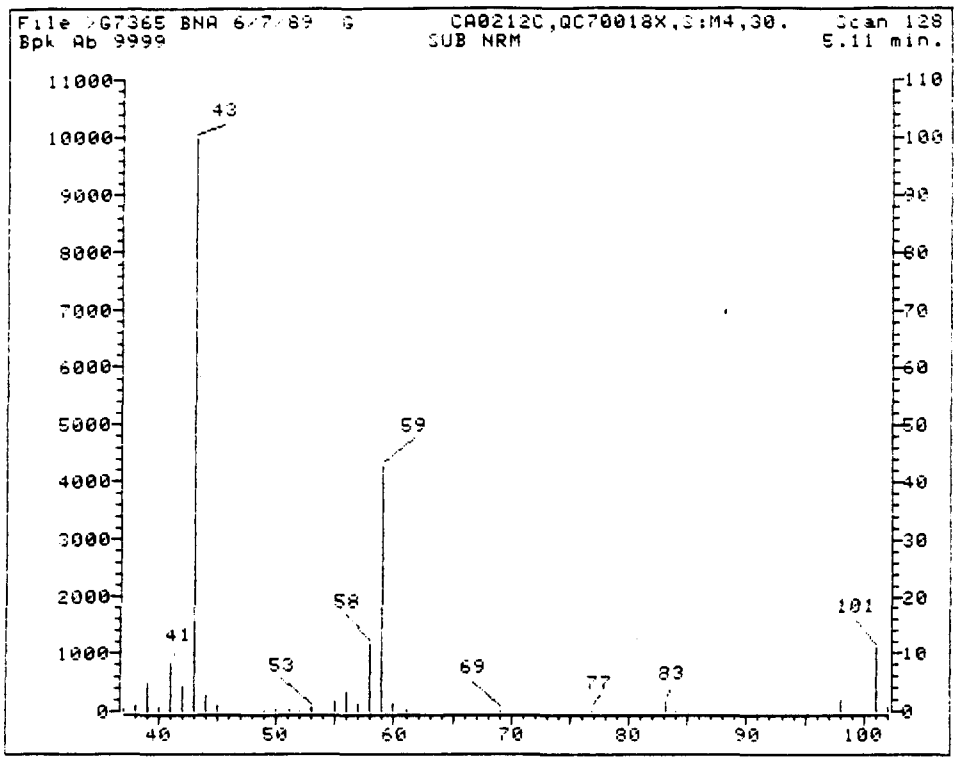


Data File: G7365::U3
Name: BNA 6/7/89 G
Misc Data: CA0212C,QC70018X,S:M4,~~30.30~~ 27.38 ,10 BTL#14
RT (min): 4.78 6-21-89
Scan: 112
Area: 547688 Rank: 2
Semi-quantitative Conc (uncorrected): 11.20 UG/ML
Semi-quantitative Conc (corrected): 3695.90 ug/kg
Calculated using Istd: d4-1,4-Dichlorobenzene @ 9.20 minutes

1.	Heptane, 2,6-dimethyl- (8CI9CI)	128 C9H20
2.	Octane, 2-methyl- (8CI9CI)	128 C9H20
3.	Decane, 2-methyl- (8CI9CI)	156 C11H24

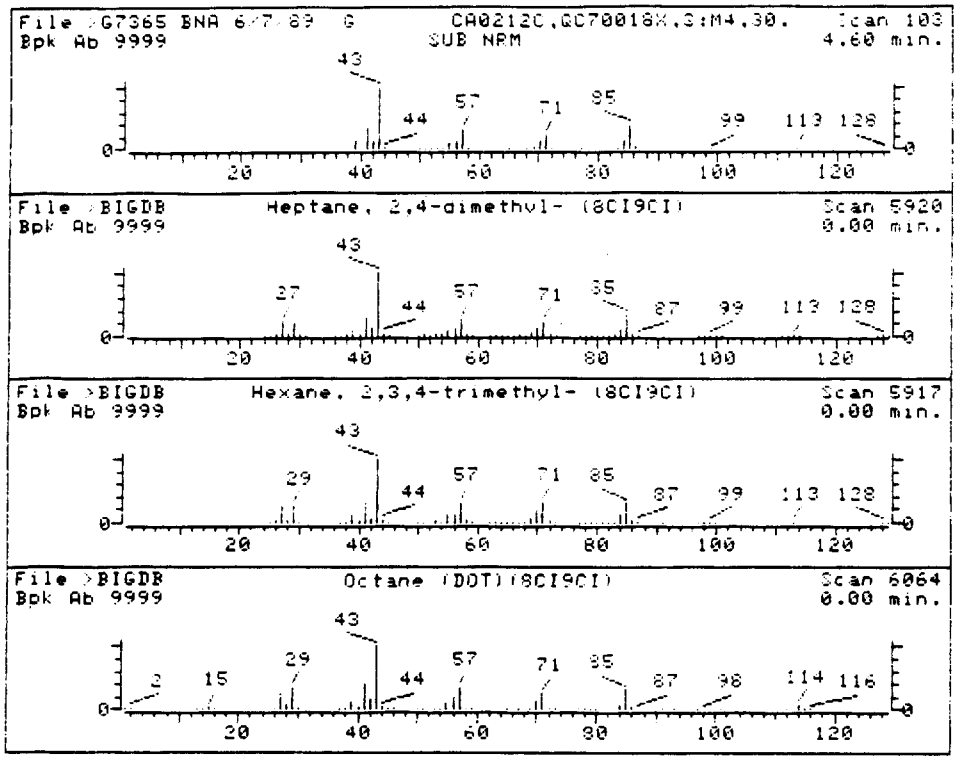
Sample file: G7365 Spectrum #: 112
Search speed: 2 Tilting option: S No. of ion ranges searched: 51

	Prob.	CHS #	CON #	ROOT	#	DK	#FLG	TILT	%	CON	C_I	R_IU
1.	99+	1072055	6059	"BIGDB	73	13	0	0	100	8	68	95
2.	74+	3221612	6061	"BIGDB	58	37	2	0	92	12	39	40
3.	42	6375980	11146	"BIGDB	54	46	2	0	82	24	17	13



Data File: >G7365::U3
Name: BNA 6/7/89 G
Misc Data: CA0212C,QC70018X,S:M4,~~30.30~~ 27.80 (CA) 6-21-89,10 BTL#14
RT (min): 5.11
Scan: 128
Area: 490235 Rank: 3
Semi-quantitative Conc (uncorrected): 10.02 UG/ML
Semi-quantitative Conc (corrected): 3308.20 ug/kg
Calculated using Istd: d4-1,4-Dichlorobenzene @ 9.20 minutes

No PBM hits for this scan.



Data File: >G7365::U3
Name: BNA 6/7/89 G
Misc Data: CA0212C,QC70018X,S:M4,~~30.30~~ 27.88 CA 6-21-89,10 BTL#14
RT (min): 4.60
Scan: 103
Area: 414155 Rank: 4
Semi-quantitative Conc (uncorrected): 8.47 UG/ML
Semi-quantitative Conc (corrected): 2794.80 ug/kg
Calculated using Istd: d4-1,4-Dichlorobenzene @ 9.20 minutes

1.	Heptane, 2,4-dimethyl- (8CI9CI)	128 C9H20
2.	Hexane, 2,3,4-trimethyl- (8CI9CI)	128 C9H20
3.	Octane (DOT)(8CI9CI)	114 C8H18

Sample file: >G7365 Spectrum #: 103
Search speed: 2 Tilting option: S No. of ion ranges searched: 47

	Prob.	CAS #	CON #	ROOT	K	DK	#FLG	TILT	%	CON	C_I	R_IU
1.	96*	2213232	5920	"BIGDB	84	8	0	0	100	1	72	96
2.	83*	921471	5917	"BIGDB	58	32	0	0	70	12	51	71
3.	58	111659	6064	"BIGDB	58	35	1	0	71	16	25	25

STANDARDS DATA

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: EPIC Corp. Contract: _____

Lab Code: Case No.: _____ SAS No.: SDG No.:

Instrument ID: GC/MS G Calibration Date(s) 06/12/89 06/12/89

Min RRF for SPCC(#) = 0.050 Max %RSD for CCC(*) = 30.0%

LAB FILE ID: RRF20 = G2S112 RRF50 = G2S116

RRF80 = G2S115 RRF120 = G2S114 RRF160 = G2S113

COMPOUND	RRF20	RRF50	RRF80	RRF120	RRF160	RRF	%RSD
alpha-BHC	.1911	.2000	.2121	.1961	.1751	.1951	7.0
beta-BHC	.0981	.1061	.1051	.1251	.1051	.1071	9.2
delta-BHC	.0971	.1011	.1021	.1201	.1000	.1041	8.9
gamma-BHC (Lindane)	.1681	.1641	.1681	.1611	.1501	.1621	4.6
Heptachlor	.2000	.2051	.2141	.2041	.1921	.2041	5.5
Aldrin	.0961	.0971	.1041	.1021	.0971	.0981	5.4
Heptachlor epoxide	.0521	.0521	.0521	.0701	.0561	.0591	11.1
Endosulfan I	.0251	.0261	.0251	.0321	.0261	.0271	11.8
Dieldrin	.1521	.1641	.1561	.1901	.1521	.1651	8.2
4,4'-DDE	.1421	.1641	.1621	.2081	.1621	.1691	15.2
Endrin	.0721	.0921	.0961	.0960	.0641	.0861	21.6
Endosulfan II	.0201	.0251	.0251	.0281	.0221	.0251	12.4
4,4'-DDD	.1621	.2251	.2281	.2721	.2141	.2201	17.8
Endosulfan sulfate	.0241	.0381	.0361	.0431	.0311	.0341	21.6
4,4'-DDT	.1251	.1921	.1961	.2391	.1881	.1881	21.8
2,4-Dimethylphenol	.5141	.5341	.5551	.5461	.5451	.5391	4.6
Benzoic acid	.0791	.1211	.1501	.1211	.1601	.1561	27.5
bis(2-Chloroethoxy)methane	.4221	.4511	.4171	.4221	.4111	.4221	1.9
2,4-Dichlorophenol *	.2541	.2551	.2661	.2621	.2811	.2611	6.6*
Toxaphene	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0
Naphthalene	.9971	1.0351	1.0381	.9651	.8551	.9761	7.2
4-Chloroaniline	.1241	.1261	.1241	.1211	.0941	.1181	11.4
Hexachlorobutadiene *	.2591	.2381	.2411	.2361	.2151	.2381	6.5*
4-Chloro-3-methylphenol *	.1841	.1941	.1911	.2031	.1921	.1951	3.6*
2-Methylnaphthalene	.5861	.5791	.5521	.5201	.5361	.5521	5.5
Hexachlorocyclopentadiene #	.5101	.5421	.5421	.5541	.5491	.5451	3.8#
2,4,6-Trichlorophenol *	.3561	.4061	.4211	.3891	.4431	.3991	10.1*
2,4,5-Trichlorophenol	.3461	.4151	.4451	.4391	.4511	.4191	10.5
2-Chloronaphthalene	1.2581	1.2571	1.2951	1.3591	1.4121	1.3121	5.5
2-Nitroaniline	.2941	.3111	.3541	.3611	.3021	.3211	8.4
Dimethylphthalate	1.3331	1.2701	1.2061	1.2061	1.1331	1.2111	5.2
Acenaphthylene	1.9241	1.8651	1.9491	1.9611	1.7251	1.8841	5.1
2,6-Dinitrotoluene	.2701	.2901	.2861	.2291	.2451	.2741	6.6
3-Nitroaniline	.2151	.2151	.1891	.1751	.1551	.1811	15.9
Acenaphthene *	1.2751	1.2591	1.1591	1.1311	1.1421	1.1951	5.2*
2,4-Dinitrophenol #	.1581	.1421	.1421	.1861	.1561	.1521	14.6#
4-Nitrophenol #	.5251	.2001	.1951	.2461	.2101	.2751	57.1#

FORM VI SV-1 1/87 Rev.

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: EIC Corp. Contract: _____

Lab Code: Case No.: _____ SAS No.: SDG No.:

Instrument ID: GC/MS G Calibration Date(s) 06/13/89 06/13/89

Min RRF for SPCC(#) = 0.050 Max %RSD for CCC(*) = 30.0%

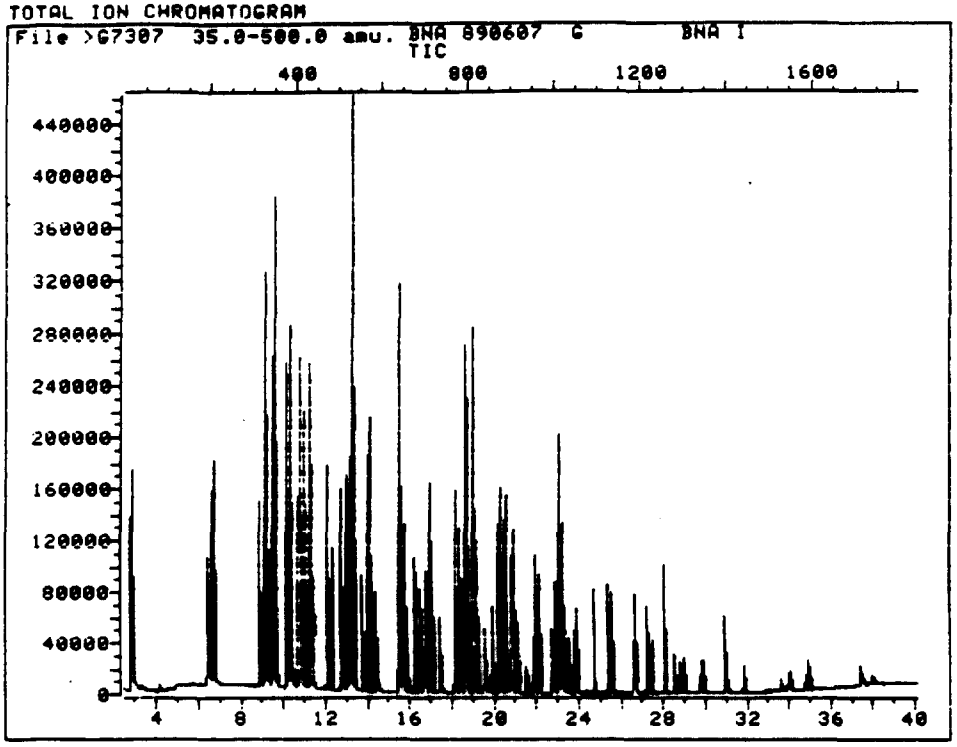
LAB FILE ID: RRF20 = 16/3107 RRF50 = 16/3116

RRF80 = 16/3115 RRF120 = 16/3114 RRF160 = 16/3113

COMPOUND	RRF20	RRF50	RRF80	RRF120	RRF160	RRF	%RSD
Dibenzofuran	1.456	1.461	1.559	1.521	1.352	1.475	5.8
2,4-Dinitrotoluene	.294	.318	.285	.326	.262	.299	7.2
Diethylphthalate	1.326	1.199	1.023	1.216	.965	1.146	15.5
4-Chlorophenyl-phenylether	.565	.552	.556	.546	.462	.556	7.8
Fluorene	1.176	1.156	1.152	1.183	.974	1.128	7.2
4-Nitroaniline	.150	.128	.171	.222	.159	.172	16.9
4,6-Dinitro-2-methylphenol	.102	.172	.181	.214	.211	.176	25.2
N-Nitrosodiphenylamine (1)*	.684	.694	.724	.632	.688	.685	4.6*
4-Bromophenyl-phenylether	.299	.358	.362	.321	.327	.329	7.1
Hexachlorobenzene	.341	.369	.381	.347	.354	.358	4.6
Pentachlorophenol*	.166	.249	.234	.280	.261	.238	18.3*
Phenanthrene	1.382	1.323	1.354	1.327	1.255	1.332	3.8
Anthracene	1.336	1.320	1.404	1.326	1.325	1.362	2.5
Di-n-butylphthalate	1.151	1.244	1.162	1.585	1.328	1.295	13.2
Fluoranthene*	.859	.913	.823	1.119	.908	.935	11.5*
Pyrene	.851	.898	.865	1.025	.911	.916	10.5
Butylbenzylphthalate	.684	.818	.852	.950	.941	.850	12.2
3,3'-Dichlorobenzidine	.123	.215	.211	.211	.149	.178	22.2
Benzo(a)anthracene	.564	.623	.639	.663	.641	.626	6.0
Chrysene	.811	.822	.839	.891	.825	.837	3.8
bis(2-Ethylhexyl)phthalate	.593	.994	1.105	1.222	1.188	1.021	25.1
Di-n-octylphthalate*	1.142	1.861	1.962	2.189	2.135	1.861	22.6*
Benzo(b)Fluoranthene	1.353	1.461	1.496	1.473	1.321	1.451	4.5
Benzo(k)Fluoranthene	1.211	1.166	1.112	.998	1.132	1.186	7.6
Benzo(a)pyrene*	.974	1.112	1.052	1.069	1.045	1.053	3.7*
Indeno(1,2,3-cd)pyrene	1.645	2.142	2.025	2.361	1.652	1.966	15.9
Dibenz(a,h)anthracene	.391	.651	.619	.693	.641	.599	19.2
Benzo(g,h,i)perylene	.754	1.128	1.114	1.112	.949	.979	14.4
Nitrobenzene-d5	.499	.495	.482	.516	.426	.492	7.5
2-Fluorobiphenyl	1.511	1.556	1.598	1.511	1.534	1.541	2.5
Terphenyl-d14	1.611	1.521	1.418	1.583	1.656	1.514	9.4
Phenol-d5	.591	.635	.588	.514	.485	.566	11.4
2-Fluorophenol	.642	.682	.621	.525	.566	.612	7.8
2,4,6-Tribromophenol	.135	.164	.153	.161	.145	.151	7.6

(1) Cannot be separated from Diphenylamine

TOTAL ION CHROMATOGRAM



Data File: >G7307::U3 Quant Output File: AG7307::AQ
Name: BNA 890607 G
Misc: BNA I BTL# 8

Id File: IDMAZ::US
Title: ACID/SURR, BN/SURR, PP/PST/PCB, IFB/ACID, IFB/BN, IFB/BNA
Last Calibration: 890620 09:19

Operator ID: SC4660
Quant Time: 890620 09:20
Injected at: 890607 21:41

Operator ID: SC4660 Quant Rev: 7 Quant Time: 890620 09:20
Output File: AG7307::AQ Injected at: 890607 21:41
Data File: >G7307::U3 Dilution Factor: 1.00000
Name: BNA 890607 G
Misc: BNA I BTL# 8

ID File: IDMAZ::US
Title: ACID/SURR, BN/SURR, PP/PST/PCB, IFB/ACID, IFB/BN, IFB/BNA
Last Calibration: 890620 09:19

	Compound	R.T.	Scan#	Area	Conc	Units	q
1)	*d4-1,4-Dichlorobenzene	9.57	348	306568	40.00	UG/ML	88
2)	2-Fluorophenol (SURR)	6.43	194	98463	19.37	UG/ML	89
3)	bis(2-Chloroethyl) ether	9.14	327	121229	22.87	UG/ML	87
4)	Phenol-D5 (SURR)	9.14	327	90574	17.09	UG/ML	90
5)	Phenol	9.18	329	120267	22.33	UG/ML	88
6)	2-Chlorophenol	9.12	326	118819	24.18	UG/ML	96
7)	1,3-Dichlorobenzene	9.45	342	148502	23.03	UG/ML	89
7)	1,3-Dichlorobenzene	9.63	351	139293	21.60	UG/ML	92
7)	1,3-Dichlorobenzene	10.12	375	144406	22.39	UG/ML	89
8)	1,4-Dichlorobenzene	9.45	342	148502	23.37	UG/ML	99
8)	1,4-Dichlorobenzene	9.63	351	139293	21.92	UG/ML	97
8)	1,4-Dichlorobenzene	10.12	375	144406	22.72	UG/ML	99
9)	1,2-Dichlorobenzene	9.45	342	148502	25.35	UG/ML	98
9)	1,2-Dichlorobenzene	9.63	351	139293	23.78	UG/ML	96
9)	1,2-Dichlorobenzene	10.12	375	144406	24.65	UG/ML	99
10)	Benzyl alcohol	10.24	381	48894	16.15	UG/ML	81
11)	N-Nitrosodi-n-propylamine	11.11	424	68483	19.77	UG/ML	72
11)	N-Nitrosodi-n-propylamine	11.26	431	9779	2.82	UG/ML	39
12)	Hexachloroethane	10.99	418	70284	27.88	UG/ML	90
13)	2-Methylphenol	10.79	408	77563	21.09	UG/ML	72
13)	2-Methylphenol	11.26	431	151528	41.20	UG/ML	86
14)	4-Methylphenol	10.79	408	77563	18.14	UG/ML	87
14)	4-Methylphenol	11.26	431	151528	35.43	UG/ML	91
15)	bis(2-Chloroisopropyl)ether	10.73	405	67583M	44.71	UG/ML	96
16)	*d8-Naphthalene	13.29	531	505823	40.00	UG/ML	93
17)	Nitrobenzene-D5 (SURR)	11.26	431	63122	10.63	UG/ML	99
18)	Nitrobenzene	10.79	408	65244	14.13	UG/ML	55
18)	Nitrobenzene	11.32	434	148556	32.17	UG/ML	87
18)	Nitrobenzene	12.09	472	6401	1.39	UG/ML	77
19)	Isophorone	12.09	472	161066	20.83	UG/ML	99
20)	2-Nitrophenol	12.28	481	44277	18.45	UG/ML	84
21)	2,4-Dimethylphenol	12.74	504	79517	19.74	UG/ML	97
22)	bis(2-Chloroethoxy)methane	12.97	515	106742	22.41	UG/ML	85
23)	1,2,4-Trichlorobenzene	13.23	528	90360	21.58	UG/ML	96
24)	2,4-Dichlorophenol	13.07	520	59217	18.15	UG/ML	99
25)	Benzoic acid	13.27	530	19939M	10.17	UG/ML	86
26)	Naphthalene	13.33	533	250544	21.44	UG/ML	90
27)	4-Chloroaniline	13.33	533	31437	20.98	UG/ML	65
27)	4-Chloroaniline	13.74	553	64662	43.16	UG/ML	62
28)	Hexachlorobutadiene	14.05	568	65530	25.06	UG/ML	96
29)	2-Methylnaphthalene	15.47	638	148192	26.75	UG/ML	89
29)	2-Methylnaphthalene	15.78	653	69639	12.57	UG/ML	74
30)	p-Chloro-m-cresol	15.47	638	46474M	15.74	UG/ML	

Operator ID: SC4660 Quant Rev: 7 Quant Time: 890620 09:20
Output File: AG7307::AQ Injected at: 890607 21:41
Data File: >G7307::U3 Dilution Factor: 1.00000
Name: BNA 890607 G
Misc: BNA I BTL# 8

ID File: IDMAZ::US
Title: ACID/SURR, BN/SURR, PP/PST/PCB, IFB/ACID, IFB/BN, IFB/BNA
Last Calibration: 890620 09:19

	Compound	R.T.	Scan#	Area	Conc	Units	q
31)	*d10-Acenaphthene	18.65	794	176626	40.00	UG/ML	94
32)	Hexachlorocyclopentadiene	16.24	676	44186	35.89	UG/ML	93
33)	2,4,6-Trichlorophenol	16.53	690	29711	17.73	UG/ML	94
33)	2,4,6-Trichlorophenol	16.65	696	30569	18.24	UG/ML	97
34)	2,4,5-Trichlorophenol	16.53	690	29711	17.42	UG/ML	95
34)	2,4,5-Trichlorophenol	16.65	696	30569	17.92	UG/ML	97
35)	2-Fluorobiphenyl (SURR)	16.79	703	66741	11.67	UG/ML	97
36)	2-Chloronaphthalene	16.55	691	2626	.486	UG/ML	61
36)	2-Chloronaphthalene	16.92	709	111130	20.56	UG/ML	98
37)	2-Nitroaniline	17.45	735	26003	60.55	UG/ML	84
38)	Dimethyl phthalate	18.30	777	117725	22.64	UG/ML	97
39)	Acenaphthylene	18.16	770	169917	24.04	UG/ML	99
39)	Acenaphthylene	19.01	812	81450	11.53	UG/ML	57
40)	2,6-Dinitrotoluene	18.40	782	23827	23.26	UG/ML	94
41)	3-Nitroaniline	18.73	798	17971	94.55	UG/ML	100
42)	Acenaphthene	18.75	799	112610	24.68	UG/ML	99
43)	2,4-Dinitrophenol	19.05	814	5155	11.25	UG/ML	100
44)	Dibenzofuran	19.24	823	128556	21.90	UG/ML	96
44)	Dibenzofuran	19.85	853	6318	1.08	UG/ML	46
45)	2,4-Dinitrotoluene	19.52	837	25967	20.07	UG/ML	85
46)	4-Nitrophenol	18.73	798	2092	2.59	UG/ML	100
46)	4-Nitrophenol	19.24	823	46389	57.54	UG/ML	100
46)	4-Nitrophenol	19.58	840	9329	11.57	UG/ML	100
47)	4-Nitroaniline	20.58	889	13250	145.82	UG/ML	95
48)	Diethyl phthalate	20.50	885	121541	25.63	UG/ML	89
49)	Fluorene	20.27	874	103864	22.54	UG/ML	96
50)	4-Chlorophenyl phenyl ether	20.46	883	49907	22.27	UG/ML	90
51)	2,4,6-Tribromophenol (SURR)	21.07	913	11962	13.77	UG/ML	94
52)	*d10-Phenanthrene	23.02	1009	177568	40.00	UG/ML	98
53)	4,6-Dinitro-o-cresol	20.72	896	9046	18.13	UG/ML	89
54)	N-Nitrosodiphenylamine	20.46	883	4808	2.21	UG/ML	70
54)	N-Nitrosodiphenylamine	20.87	903	60700	27.96	UG/ML	89
55)	4-Bromophenyl phenyl ether	21.88	953	26519	25.79	UG/ML	82
56)	Alpha-BHC	21.96	957	16980	26.01	UG/ML	91
56)	Alpha-BHC	22.74	995	8711	13.35	UG/ML	91
56)	Alpha-BHC	22.86	1001	14894	22.82	UG/ML	88
57)	Hexachlorobenzene	22.17	967	30242	26.02	UG/ML	96
58)	Beta-BHC	21.96	957	16980	37.27	UG/ML	91
58)	Beta-BHC	22.74	995	8711	19.12	UG/ML	91
58)	Beta-BHC	22.86	1001	14894	32.70	UG/ML	88
58)	Beta-BHC	23.49	1032	8619	18.92	UG/ML	98
59)	Pentachlorophenol	22.78	997	14737	19.00	UG/ML	94
60)	Gamma-BHC	21.96	957	16980	33.34	UG/ML	91

Operator ID: SC4660 Quant Rev: 7 Quant Time: 890620 09:20
Output File: AG7307::AQ Injected at: 890607 21:41
Data File: >G7307::U3 Dilution Factor: 1.00000
Name: BNA 890607 G
Misc: BNA I BTL# 8

ID File: IDMAZ::US
Title: ACID/SURR, BN/SURR, PP/PST/PCB, IFB/ACID, IFB/BN, IFB/BNA
Last Calibration: 890620 09:19

	Compound		R.T.	Scan#	Area	Conc	Units	q
60)	Gamma-BHC		22.74	995	8711	17.10	UG/ML	91
60)	Gamma-BHC		22.86	1001	14894	29.24	UG/ML	88
60)	Gamma-BHC		23.49	1032	8619	16.92	UG/ML	98
61)	Delta-BHC		22.74	995	8711	20.19	UG/ML	99
61)	Delta-BHC		22.86	1001	14894	34.51	UG/ML	97
61)	Delta-BHC		23.49	1032	8619	19.97	UG/ML	93
62)	Phenanthrene		23.08	1012	122708	27.85	UG/ML	99
62)	Phenanthrene		23.21	1018	118591	26.91	UG/ML	99
63)	Anthracene		23.08	1012	122708	28.33	UG/ML	98
63)	Anthracene		23.21	1018	118591	27.37	UG/ML	98
64)	Heptachlor		24.71	1092	17744	31.70	UG/ML	97
65)	Di-n-butyl phthalate		25.44	1128	102204	18.74	UG/ML	97
66)	Aldrin		25.55	1133	8493	25.73	UG/ML	93
67)	Fluoranthene		26.63	1186	76293	18.63	UG/ML	98
67)	Fluoranthene		27.24	1216	73658	17.99	UG/ML	99
68)	Heptachlor epoxide		26.54	1182	4644	16.31	UG/ML	96
69)	Chlordane		27.11	1210	467M	9.38	UG/ML	
70)	Pyrene		26.63	1186	76293	17.65	UG/ML	96
70)	Pyrene		27.24	1216	73658	17.04	UG/ML	95
71)	Endosulfan I		27.42	1225	2177	20.70	UG/ML	100
72)	4,4'-DDE		28.05	1256	13056	14.38	UG/ML	96
73)	Dieldrin		28.03	1255	13913	17.21	UG/ML	99
74)	Endrin		28.03	1255	5172	24.82	UG/ML	90
74)	Endrin		28.54	1280	2384	11.44	UG/ML	95
75)	Endrin aldehyde		28.54	1280	2815	4.19	UG/ML	94
76)	Endosulfan II		28.76	1291	1754M	10.00	UG/ML	
77)	4,4'-DDD		29.01	1303	14403	10.38	UG/ML	97
77)	4,4'-DDD		29.88	1346	11093	7.99	UG/ML	96
78)	Endosulfan sulfate		29.76	1340	2088	7.66	UG/ML	95
79)	4,4'-DDT		29.01	1303	14403	13.04	UG/ML	95
79)	4,4'-DDT		29.88	1346	11093	10.04	UG/ML	93
81)	*d12-Chrysene		30.94	1398	51897	40.00	UG/ML	96
82)	Terphenyl-D14	(SURR)	28.03	1255	20773	19.17	UG/ML	98
83)	Butyl benzyl phthalate		29.82	1343	17752	22.34	UG/ML	94
84)	Benzo(a)anthracene		30.90	1396	14626	11.64	UG/ML	100
84)	Benzo(a)anthracene		31.00	1401	20976	16.69	UG/ML	100
85)	Chrysene		30.90	1396	14626	12.03	UG/ML	100
85)	Chrysene		31.00	1401	20976	17.25	UG/ML	100
86)	3,3'-Dichlorobenzidine		31.08	1405	3197	11.36	UG/ML	79
87)	bis(2-Ethylhexyl)phthalate		31.81	1441	15394	12.87	UG/ML	94
88)	*d12-Perylene		34.88	1592	24544	40.00	UG/ML	86
89)	Di-n-octyl phthalate		33.56	1527	14070	16.42	UG/ML	96
90)	Benzo(b)fluoranthene		33.93	1545	16606	26.59	UG/ML	89

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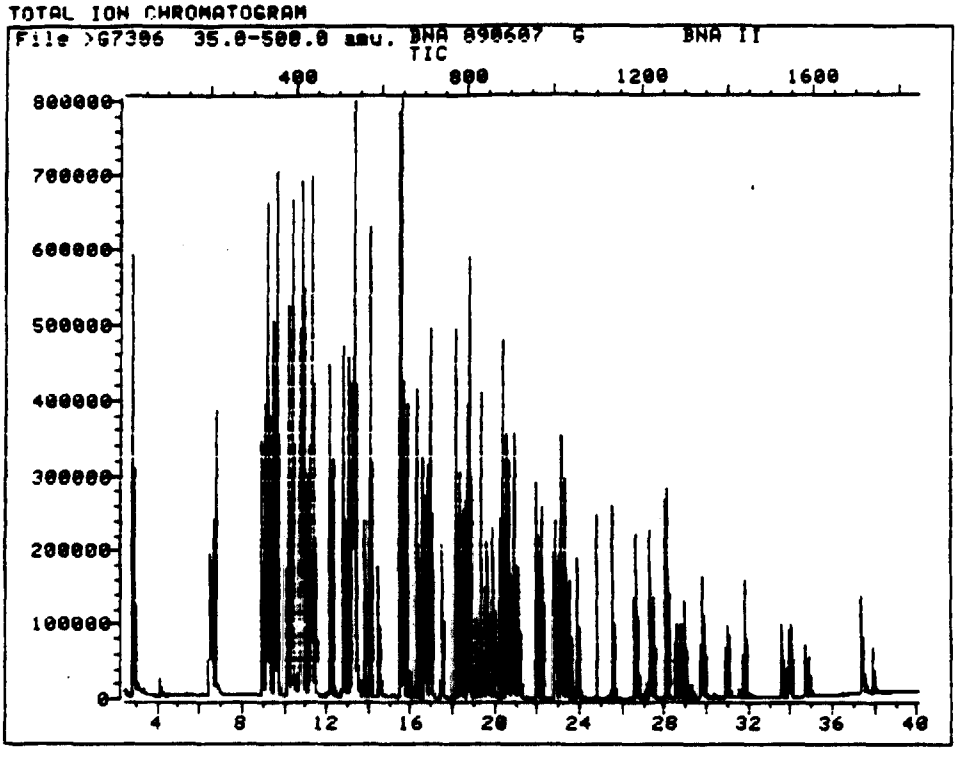
Operator ID: SC4660 Quant Rev: 7 Quant Time: 890620 09:20
Output File: AG7307::AQ Injected at: 890607 21:41
Data File: >G7307::U3 Dilution Factor: 1.00000
Name: BNA 890607 G
Misc: BNA I BTL# 8

CD File: IDMAZ::US
Title: ACID/SURR, BN/SURR, PP/PST/PCB, IFB/ACID, IFB/BN, IFB/BNA
Last Calibration: 890620 09:19

	Compound	R.T.	Scan#	Area	Conc	Units	q
90)	Benzo(b)fluoranthene	34.01	1549	14788	23.68	UG/ML	94
90)	Benzo(b)fluoranthene	34.74	1585	11948	19.13	UG/ML	9?
91)	Benzo(k)fluoranthene	33.93	1545	16606	36.19	UG/ML	92
91)	Benzo(k)fluoranthene	34.01	1549	14788	32.23	UG/ML	9?
91)	Benzo(k)fluoranthene	34.74	1585	11948	26.04	UG/ML	97
92)	Benzo(a)pyrene	33.93	1545	16606	34.98	UG/ML	93
92)	Benzo(a)pyrene	34.01	1549	14788	31.15	UG/ML	96
92)	Benzo(a)pyrene	34.74	1585	11948	25.17	UG/ML	95
93)	Indeno(1,2,3-c,d)pyrene	37.41	1716	20193	44.06	UG/ML	100
93)	Indeno(1,2,3-c,d)pyrene	37.98	1744	9254	20.19	UG/ML	100
94)	Dibenzo(a,h)anthracene	37.51	1721	4800	9.96	UG/ML	100
95)	Benzo(ghi)perylene	37.41	1716	20193	43.67	UG/ML	100
95)	Benzo(ghi)perylene	37.98	1744	9254	20.01	UG/ML	100

* Compound is ISTD

TOTAL ION CHROMATOGRAM



Data File: >G7306::U3 Quant Output File: AG7306::AQ
Name: BNA 890607 G
Misc: BNA II BTL# 7

Id File: IDMAZ::US
Title: ACID/SURR, BN/SURR, PP/PST/PCB, IFB/ACID, IFB/BN, IFB/BNA
Last Calibration: 890620 09:19

Operator ID: SC4660
Quant Time: 890620 09:25
Injected at: 890607 20:50

Operator ID: SC4660 Quant Rev: 7 Quant Time: 890620 09:25
Output File: AG7306::AQ Injected at: 890607 20:50
Data File: >G7306::U3 Dilution Factor: 1.00000
Name: BNA 890607 G
Misc: BNA II BTL# 7

ID File: IDMAZ::US
Title: ACID/SURR, BN/SURR, PP/PST/PCB, IFB/ACID, IFB/BN, IFB/BNA
Last Calibration: 890620 09:19

	Compound	R.T.	Scan#	Area	Conc	Units	q
1)	*d4-1,4-Dichlorobenzene	9.61	351	366915	40.00	UG/ML	90
2)	2-Fluorophenol (SURR)	6.47	197	312973M	51.43	UG/ML	81
3)	bis(2-Chloroethyl) ether	9.18	330	340547	53.67	UG/ML	91
4)	Phenol-D5 (SURR)	9.20	331	291241	45.90	UG/ML	94
5)	Phenol	9.22	332	322800	50.08	UG/ML	88
6)	2-Chlorophenol	9.16	329	352389	59.93	UG/ML	91
7)	1,3-Dichlorobenzene	9.47	344	376119	48.73	UG/ML	87
7)	1,3-Dichlorobenzene	9.65	353	384385	49.80	UG/ML	87
7)	1,3-Dichlorobenzene	10.14	377	386028	50.02	UG/ML	87
8)	1,4-Dichlorobenzene	9.47	344	376119	49.45	UG/ML	97
8)	1,4-Dichlorobenzene	9.65	353	384385	50.54	UG/ML	97
8)	1,4-Dichlorobenzene	10.14	377	386028	50.75	UG/ML	96
9)	1,2-Dichlorobenzene	9.47	344	376119	53.64	UG/ML	98
9)	1,2-Dichlorobenzene	9.65	353	384385	54.82	UG/ML	97
9)	1,2-Dichlorobenzene	10.14	377	386028	55.06	UG/ML	97
10)	Benzyl alcohol	10.28	384	183803	50.73	UG/ML	89
11)	N-Nitrosodi-n-propylamine	11.18	428	230254	55.55	UG/ML	72
12)	Hexachloroethane	11.01	420	183731	60.90	UG/ML	95
13)	2-Methylphenol	10.83	411	227077	51.59	UG/ML	73
13)	2-Methylphenol	11.32	435	484829	110.15	UG/ML	90
14)	4-Methylphenol	10.83	411	227077	44.36	UG/ML	75
14)	4-Methylphenol	11.32	435	484829	94.72	UG/ML	84
15)	bis(2-Chloroisopropyl)ether	10.75	407	190916	105.54	UG/ML	97
16)	*d8-Naphthalene	13.32	533	627615	40.00	UG/ML	93
17)	Nitrobenzene-D5 (SURR)	11.30	434	194206	26.37	UG/ML	92
18)	Nitrobenzene	10.81	410	178485	31.15	UG/ML	58
18)	Nitrobenzene	11.36	437	437733	76.39	UG/ML	82
18)	Nitrobenzene	11.99	468	6335	1.11	UG/ML	64
18)	Nitrobenzene	12.16	476	17607	3.07	UG/ML	43
19)	Isophorone	12.16	476	504452	52.59	UG/ML	99
19)	Isophorone	13.11	523	4764	.497	UG/ML	82
20)	2-Nitrophenol	12.32	484	162439	54.55	UG/ML	85
21)	2,4-Dimethylphenol	11.85	461	2000	.400	UG/ML	62
21)	2,4-Dimethylphenol	12.79	507	262190	52.45	UG/ML	96
22)	bis(2-Chloroethoxy)methane	13.01	518	338485	57.27	UG/ML	84
23)	1,2,4-Trichlorobenzene	13.26	530	268511	51.67	UG/ML	95
24)	2,4-Dichlorophenol	13.11	523	199909	49.37	UG/ML	98
24)	2,4-Dichlorophenol	13.77	555	2341	.578	UG/ML	94
25)	Benzoic acid	13.52	543	94869	39.00	UG/ML	94
26)	Naphthalene	13.11	523	8266	.570	UG/ML	92
26)	Naphthalene	13.38	536	810492	55.91	UG/ML	87
27)	4-Chloroaniline	13.11	523	3214	1.73	UG/ML	61
27)	4-Chloroaniline	13.38	536	98628	53.05	UG/ML	70

Operator ID: SC4660 Quant Rev: 7 Quant Time: 890620 09:25
Output File: AG7306::AQ Injected at: 890607 20:50
Data File: >G7306::U3 Dilution Factor: 1.00000
Name: BNA 890607 G
Misc: BNA II BTL# 7

ID File: IDMAZ::US
Title: ACID/SURR, BN/SURR, PP/PST/PCB, IFB/ACID, IFB/BN, IFB/BNA
Last Calibration: 890620 09:19

	Compound		R.T.	Scan#	Area	Conc	Units	q
27)	4-Chloroaniline		13.77	555	160924	86.56	UG/ML	62
28)	Hexachlorobutadiene		13.56	545	2846	.877	UG/ML	96
28)	Hexachlorobutadiene		14.07	570	186742	57.56	UG/ML	99
29)	2-Methylnaphthalene		15.52	641	454302	66.10	UG/ML	89
29)	2-Methylnaphthalene		15.80	655	212279	30.88	UG/ML	75
30)	p-Chloro-m-cresol		15.50	640	152237M	41.56	UG/ML	
31)	*d10-Acenaphthene		18.69	797	220782	40.00	UG/ML	93
32)	Hexachlorocyclopentadiene		16.27	678	150823	98.01	UG/ML	98
33)	2,4,6-Trichlorophenol		16.58	693	111928	53.44	UG/ML	96
33)	2,4,6-Trichlorophenol		16.68	698	113998	54.43	UG/ML	99
34)	2,4,5-Trichlorophenol		16.58	693	111928	52.49	UG/ML	95
34)	2,4,5-Trichlorophenol		16.68	698	113998	53.46	UG/ML	98
35)	2-Fluorobiphenyl	(SURR)	16.82	705	214642	30.03	UG/ML	99
36)	2-Chloronaphthalene		16.58	693	10755	1.59	UG/ML	57
36)	2-Chloronaphthalene		16.68	698	3834	.567	UG/ML	64
36)	2-Chloronaphthalene		16.94	711	346846	51.33	UG/ML	95
37)	2-Nitroaniline		17.49	738	85800	159.83	UG/ML	85
38)	Dimethyl phthalate		18.35	780	350380	53.91	UG/ML	98
39)	Acenaphthylene		18.19	772	514212	58.21	UG/ML	97
40)	2,6-Dinitrotoluene		18.45	785	80057	62.53	UG/ML	85
41)	3-Nitroaniline		18.78	801	56638	238.40	UG/ML	100
41)	3-Nitroaniline		19.29	826	5435	22.88	UG/ML	100
42)	Acenaphthene		18.78	801	347373	60.91	UG/ML	97
43)	2,4-Dinitrophenol		19.08	816	39074	68.20	UG/ML	100
44)	Dibenzofuran		19.29	826	402898	54.91	UG/ML	96
44)	Dibenzofuran		19.90	856	21429	2.92	UG/ML	40
45)	2,4-Dinitrotoluene		19.57	840	85028	52.57	UG/ML	85
46)	4-Nitrophenol		18.78	801	6732	6.68	UG/ML	100
46)	4-Nitrophenol		19.29	826	139274	138.19	UG/ML	100
46)	4-Nitrophenol		19.59	841	55333	54.90	UG/ML	100
47)	4-Nitroaniline		20.65	893	49172	432.92	UG/ML	95
48)	Diethyl phthalate		20.57	889	330923	55.83	UG/ML	90
49)	Fluorene		20.32	877	319046	55.39	UG/ML	97
49)	Fluorene		21.12	916	3053	.530	UG/ML	76
50)	4-Chlorophenyl phenyl ether		20.51	886	152320	54.38	UG/ML	96
51)	2,4,6-Tribromophenol	(SURR)	21.10	915	45125	41.56	UG/ML	97
52)	*d10-Phenanthrene		23.07	1012	200481	40.00	UG/ML	98
53)	4,6-Dinitro-o-cresol		20.77	899	43106	76.51	UG/ML	79
54)	N-Nitrosodiphenylamine		20.51	886	15242	6.22	UG/ML	70
54)	N-Nitrosodiphenylamine		20.92	906	174008	70.98	UG/ML	88
55)	4-Bromophenyl phenyl ether		21.93	956	84586	72.87	UG/ML	87
56)	Alpha-BHC		22.02	960	50100	67.98	UG/ML	93
56)	Alpha-BHC		22.79	998	26603	36.10	UG/ML	93

Operator ID: SC4660 Quant Rev: 7 Quant Time: 890620 09:25
Output File: AG7306::AQ Injected at: 890607 20:50
Data File: >G7306::U3 Dilution Factor: 1.00000
Name: BNA 890607 G
Misc: BNA II BTL# 7

ID File: IDMAZ::US
Title: ACID/SURR, BN/SURR, PP/PST/PCB, IFB/ACID, IFB/BN, IFB/BNA
Last Calibration: 890620 09:19

	Compound	R.T.	Scan#	Area	Conc	Units	q
56)	Alpha-BHC	22.91	1004	41206	55.92	UG/ML	93
57)	Hexachlorobenzene	22.22	970	92443	70.46	UG/ML	99
58)	Beta-BHC	22.02	960	50100	97.41	UG/ML	93
58)	Beta-BHC	22.79	998	26603	51.72	UG/ML	93
58)	Beta-BHC	22.91	1004	41206	80.12	UG/ML	93
58)	Beta-BHC	23.54	1035	25341	49.27	UG/ML	91
58)	Beta-BHC	23.79	1047	3377	6.57	UG/ML	96
59)	Pentachlorophenol	22.83	1000	62421	71.27	UG/ML	97
60)	Gamma-BHC	22.02	960	50100	87.12	UG/ML	93
60)	Gamma-BHC	22.79	998	26603	46.26	UG/ML	93
60)	Gamma-BHC	22.91	1004	41206	71.66	UG/ML	93
60)	Gamma-BHC	23.54	1035	25341	44.07	UG/ML	91
60)	Gamma-BHC	23.79	1047	3377	5.87	UG/ML	96
61)	Delta-BHC	22.79	998	26603	54.60	UG/ML	98
61)	Delta-BHC	22.91	1004	41206	84.57	UG/ML	98
61)	Delta-BHC	23.54	1035	25341	52.01	UG/ML	98
61)	Delta-BHC	23.79	1047	3377	6.93	UG/ML	95
62)	Phenanthrene	23.14	1015	331581	66.65	UG/ML	99
62)	Phenanthrene	23.26	1021	343337	69.01	UG/ML	98
63)	Anthracene	23.14	1015	331581	67.79	UG/ML	98
63)	Anthracene	23.26	1021	343337	70.20	UG/ML	98
64)	Heptachlor	24.74	1094	51290	81.17	UG/ML	83
65)	Di-n-butyl phthalate	25.48	1130	311792	50.63	UG/ML	96
66)	Aldrin	25.58	1135	24385	65.43	UG/ML	91
66)	Aldrin	26.58	1184	5457	14.64	UG/ML	90
67)	Fluoranthene	26.66	1188	228918	49.52	UG/ML	98
67)	Fluoranthene	27.27	1218	225081	48.69	UG/ML	98
68)	Heptachlor epoxide	26.58	1184	14383	44.75	UG/ML	90
69)	Chlordane	27.15	1212	1748M	31.09	UG/ML	
70)	Pyrene	26.66	1188	228918	46.92	UG/ML	97
70)	Pyrene	27.27	1218	225081	46.13	UG/ML	96
71)	Endosulfan I	27.43	1226	6405	53.94	UG/ML	100
72)	4,4'-DDE	28.06	1257	41221	40.20	UG/ML	93
73)	Dieldrin	28.04	1256	41161	45.09	UG/ML	94
74)	Endrin	28.04	1256	15404	65.47	UG/ML	89
74)	Endrin	28.55	1281	9240	39.27	UG/ML	88
75)	Endrin aldehyde	28.55	1281	7380	9.74	UG/ML	88
76)	Endosulfan II	28.76	1291	5773	29.16	UG/ML	98
77)	4,4'-DDD	29.02	1304	56421	36.01	UG/ML	97
77)	4,4'-DDD	29.88	1346	48144	30.72	UG/ML	97
78)	Endosulfan sulfate	29.75	1340	9460	30.72	UG/ML	94
79)	4,4'-DDT	29.02	1304	56421	45.24	UG/ML	94
79)	4,4'-DDT	29.88	1346	48144	38.61	UG/ML	95

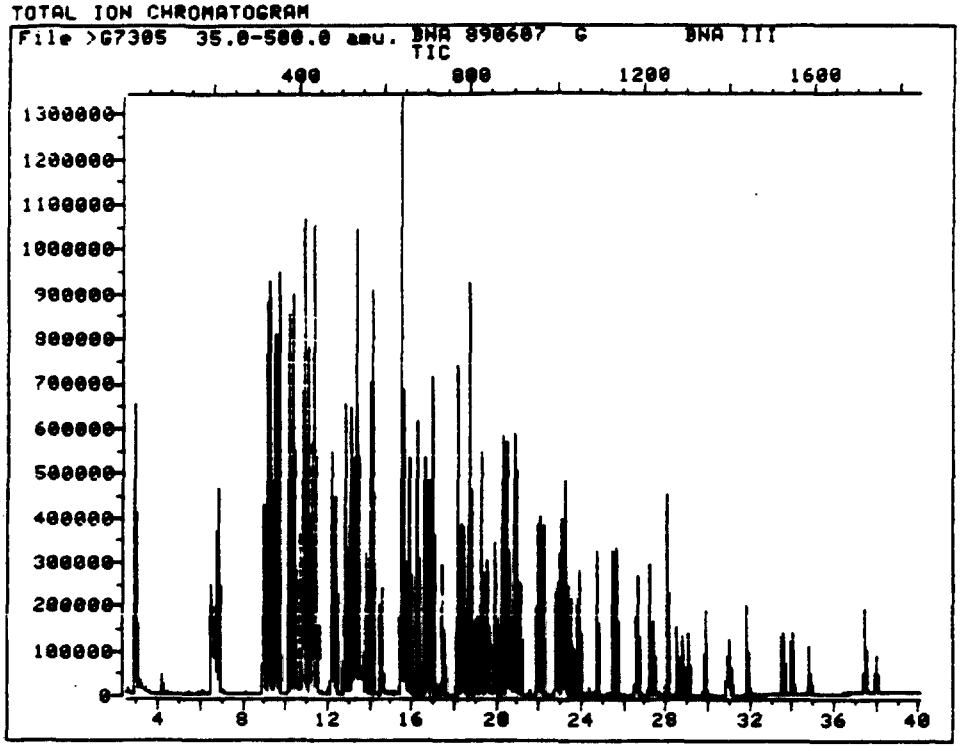
Operator ID: SC4660 Quant Rev: 7 Quant Time: 890620 09:25
Output File: AG7306::AQ Injected at: 890607 20:50
Data File: >G7306::U3 Dilution Factor: 1.00000
Name: BNA 890607 G
Misc: BNA II BTL# 7

ID File: IDMAZ::US
Title: ACID/SURR, BN/SURR, PP/PST/PCB, IFB/ACID, IFB/BN, IFB/BNA
Last Calibration: 890620 09:19

	Compound		R.T.	Scan#	Area	Conc	Units	q
81)	*d12-Chrysene		30.93	1398	82775	40.00	UG/ML	97
82)	Terphenyl-D14	(SURR)	28.04	1256	68343	39.55	UG/ML	98
83)	Butyl benzyl phthalate		29.83	1344	84628	66.78	UG/ML	86
84)	Benzo(a)anthracene		30.89	1396	64489	32.17	UG/ML	100
84)	Benzo(a)anthracene		31.00	1401	85081	42.45	UG/ML	100
85)	Chrysene		30.89	1396	64489	33.25	UG/ML	100
85)	Chrysene		31.00	1401	85081	43.86	UG/ML	100
86)	3,3'-Dichlorobenzidine		31.06	1404	22246	49.57	UG/ML	84
87)	bis(2-Ethylhexyl)phthalate		31.81	1441	102892	53.95	UG/ML	90
88)	*d12-Perylene		34.86	1591	56504	40.00	UG/ML	82
89)	Di-n-octyl phthalate		33.56	1527	131426	66.62	UG/ML	97
90)	Benzo(b)fluoranthene		33.92	1545	103108	71.71	UG/ML	91
90)	Benzo(b)fluoranthene		33.99	1548	75271	52.35	UG/ML	90
90)	Benzo(b)fluoranthene		34.72	1584	72036	50.10	UG/ML	90
91)	Benzo(k)fluoranthene		33.92	1545	103108	97.60	UG/ML	94
91)	Benzo(k)fluoranthene		33.99	1548	75271	71.25	UG/ML	93
91)	Benzo(k)fluoranthene		34.72	1584	72036	68.19	UG/ML	93
92)	Benzo(a)pyrene		33.92	1545	103108	94.33	UG/ML	92
92)	Benzo(a)pyrene		33.99	1548	75271	68.87	UG/ML	92
92)	Benzo(a)pyrene		34.72	1584	72036	65.91	UG/ML	92
93)	Indeno(1,2,3-c,d)pyrene		37.40	1716	151311	143.40	UG/ML	100
93)	Indeno(1,2,3-c,d)pyrene		37.47	1719	16210	15.36	UG/ML	100
93)	Indeno(1,2,3-c,d)pyrene		37.95	1743	76137	72.16	UG/ML	100
94)	Dibenzo(a,h)anthracene		37.40	1716	4430	3.99	UG/ML	100
94)	Dibenzo(a,h)anthracene		37.49	1720	44558	40.15	UG/ML	100
95)	Benzo(ghi)perylene		37.40	1716	151311	142.14	UG/ML	100
95)	Benzo(ghi)perylene		37.47	1719	16210	15.23	UG/ML	100
95)	Benzo(ghi)perylene		37.95	1743	76137	71.52	UG/ML	100

* Compound is ISTD

TOTAL ION CHROMATOGRAM



Data File: >G7305::U3 Quant Output File: AG7305::AQ
Name: BNA 890607 G
Misc: BNA III BTL# 6

Id File: IDMAZ::US
Title: ACID/SURR, BN/SURR, PP/PST/PCB, IFB/ACID, IFB/BN, IFB/BNA
Last Calibration: 890620 09:19

Operator ID: SC4660
Quant Time: 890620 09:31
Injected at: 890607 20:00

Operator ID: SC4660 Quant Rev: 7 Quant Time: 890620 09:31
Output File: AG7305::AQ Injected at: 890607 20:00
Data File: >G7305::U3 Dilution Factor: 1.00000
Name: BNA 890607 G
Misc: BNA III BTL# 6

ID File: IDMAZ::US
Title: ACID/SURR, BN/SURR, PP/PST/PCB, IFB/ACID, IFB/BN, IFB/BNA
Last Calibration: 890620 09:19

	Compound	R.T.	Scan#	Area	Conc	Units	q
1)	*d4-1,4-Dichlorobenzene	9.59	349	386168	40.00	UG/ML	91
2)	2-Fluorophenol (SURR)	6.48	196	479176M	74.82	UG/ML	82
3)	bis(2-Chloroethyl) ether	9.19	329	488052	73.08	UG/ML	92
4)	Phenol-D5 (SURR)	9.21	330	454184	68.01	UG/ML	96
5)	Phenol	9.25	332	547153	80.66	UG/ML	88
6)	2-Chlorophenol	9.17	328	449679	72.66	UG/ML	86
6)	2-Chlorophenol	9.23	331	74829	12.09	UG/ML	77
7)	1,3-Dichlorobenzene	9.47	343	596272	73.41	UG/ML	88
7)	1,3-Dichlorobenzene	9.65	352	581818	71.63	UG/ML	88
7)	1,3-Dichlorobenzene	10.14	376	600905	73.98	UG/ML	90
8)	1,4-Dichlorobenzene	9.47	343	596272	74.49	UG/ML	97
8)	1,4-Dichlorobenzene	9.65	352	581818	72.68	UG/ML	98
8)	1,4-Dichlorobenzene	10.14	376	600905	75.06	UG/ML	99
9)	1,2-Dichlorobenzene	9.47	343	596272	80.80	UG/ML	98
9)	1,2-Dichlorobenzene	9.65	352	581818	78.84	UG/ML	98
9)	1,2-Dichlorobenzene	10.14	376	600905	81.43	UG/ML	98
10)	Benzyl alcohol	10.31	384	300107	78.70	UG/ML	85
11)	N-Nitrosodi-n-propylamine	11.00	418	2849	.653	UG/ML	79
11)	N-Nitrosodi-n-propylamine	11.22	429	346049	79.32	UG/ML	61
11)	N-Nitrosodi-n-propylamine	11.31	433	61871	14.18	UG/ML	46
12)	Hexachloroethane	11.00	418	271959	85.65	UG/ML	90
13)	2-Methylphenol	10.14	376	3448	.744	UG/ML	67
13)	2-Methylphenol	10.84	410	310472	67.02	UG/ML	79
14)	4-Methylphenol	10.14	376	3448	.640	UG/ML	59
14)	4-Methylphenol	10.84	410	310472	57.63	UG/ML	69
14)	4-Methylphenol	11.33	434	718177	133.32	UG/ML	91
15)	bis(2-Chloroisopropyl)ether	10.76	406	286667M	150.57	UG/ML	
16)	*d8-Naphthalene	13.32	532	618331	40.00	UG/ML	93
17)	Nitrobenzene-D5 (SURR)	11.31	433	298267	41.11	UG/ML	92
18)	Nitrobenzene	10.82	409	432342	76.58	UG/ML	60
18)	Nitrobenzene	11.37	436	688400	121.93	UG/ML	84
18)	Nitrobenzene	12.18	476	26886	4.76	UG/ML	37
19)	Isophorone	12.18	476	810908	85.80	UG/ML	97
19)	Isophorone	13.12	522	6882	.728	UG/ML	85
20)	2-Nitrophenol	12.16	475	13351	4.55	UG/ML	54
20)	2-Nitrophenol	12.30	482	260932	88.94	UG/ML	84
21)	2,4-Dimethylphenol	12.81	507	439448	89.23	UG/ML	97
21)	2,4-Dimethylphenol	13.24	528	9958	2.02	UG/ML	84
22)	bis(2-Chloroethoxy)methane	13.02	517	516082	88.62	UG/ML	84
23)	1,2,4-Trichlorobenzene	13.24	528	432072	84.40	UG/ML	95
24)	2,4-Dichlorophenol	13.12	522	328550	82.36	UG/ML	98
24)	2,4-Dichlorophenol	13.75	553	3058	.767	UG/ML	93
25)	Benzoic acid	13.65	548	185129	77.25	UG/ML	90

Operator ID: SC4660 Quant Rev: 7 Quant Time: 890620 09:31
Output File: AG7305::AQ Injected at: 890607 20:00
Data File: >G7305::U3 Dilution Factor: 1.00000
Name: BNA 890607 G
Misc: BNA III BTL# 6

ID File: IDMAZ::US
Title: ACID/SURR, BN/SURR, PP/PST/PCB, IFB/ACID, IFB/BN, IFB/BNA
Last Calibration: 890620 09:19

	Compound		R.T.	Scan#	Area	Conc	Units	q
26)	Naphthalene		13.12	522	12703	.889	UG/ML	91
26)	Naphthalene		13.38	535	1283996	89.90	UG/ML	86
27)	4-Chloroaniline		13.12	522	4623	2.52	UG/ML	64
27)	4-Chloroaniline		13.38	535	153684	83.91	UG/ML	74
27)	4-Chloroaniline		13.75	553	200745	109.60	UG/ML	62
28)	Hexachlorobutadiene		13.55	543	4383	1.37	UG/ML	98
28)	Hexachlorobutadiene		14.08	569	298350	93.35	UG/ML	99
29)	2-Methylnaphthalene		15.50	639	664548	98.14	UG/ML	93
29)	2-Methylnaphthalene		15.79	653	334512	49.40	UG/ML	76
30)	p-Chloro-m-cresol		15.50	639	234727M	65.04	UG/ML	76
31)	*d10-Acenaphthene		18.66	794	215032	40.00	UG/ML	94
32)	Hexachlorocyclopentadiene		16.26	676	235081	156.86	UG/ML	98
33)	2,4,6-Trichlorophenol		16.56	691	181068	88.76	UG/ML	97
33)	2,4,6-Trichlorophenol		16.67	696	191231	93.75	UG/ML	95
34)	2,4,5-Trichlorophenol		16.56	691	181068	87.18	UG/ML	97
34)	2,4,5-Trichlorophenol		16.67	696	191231	92.07	UG/ML	95
35)	2-Fluorobiphenyl	(SURR)	16.81	703	343671	49.36	UG/ML	98
36)	2-Chloronaphthalene		16.56	691	16643	2.53	UG/ML	57
36)	2-Chloronaphthalene		16.67	696	5989	.910	UG/ML	62
36)	2-Chloronaphthalene		16.93	709	556260	84.52	UG/ML	94
37)	2-Nitroaniline		17.48	736	143776	275.00	UG/ML	85
38)	Dimethyl phthalate		18.34	778	518683	81.94	UG/ML	98
38)	Dimethyl phthalate		18.40	781	2790	.441	UG/ML	92
39)	Acenaphthylene		18.17	770	838059	97.41	UG/ML	97
39)	Acenaphthylene		19.01	811	52266	6.08	UG/ML	56
40)	2,6-Dinitrotoluene		18.44	783	123064	98.70	UG/ML	88
41)	3-Nitroaniline		18.76	799	81497	352.21	UG/ML	100
41)	3-Nitroaniline		19.07	814	3396	14.68	UG/ML	100
41)	3-Nitroaniline		19.27	824	9345	40.39	UG/ML	100
42)	Acenaphthene		18.76	799	498238	89.70	UG/ML	98
43)	2,4-Dinitrophenol		19.07	814	61201	109.67	UG/ML	100
44)	Dibenzofuran		19.07	814	2605	.365	UG/ML	60
44)	Dibenzofuran		19.27	824	661766	92.60	UG/ML	99
45)	2,4-Dinitrotoluene		19.56	838	121596	77.19	UG/ML	91
46)	4-Nitrophenol		18.76	799	9492	9.67	UG/ML	100
46)	4-Nitrophenol		19.27	824	226183	230.43	UG/ML	100
46)	4-Nitrophenol		19.34	827	3018	3.07	UG/ML	100
46)	4-Nitrophenol		19.58	839	82798	84.35	UG/ML	100
47)	4-Nitroaniline		20.64	891	73686	666.09	UG/ML	91
48)	Diethyl phthalate		20.56	887	461553	79.96	UG/ML	89
49)	Fluorene		20.29	874	495642	88.36	UG/ML	99
49)	Fluorene		21.09	913	4844	.864	UG/ML	89
50)	4-Chlorophenyl phenyl ether		20.48	883	239107	87.64	UG/ML	87

Operator ID: SC4660 Quant Rev: 7 Quant Time: 890620 09:31
Output File: AG7305::AQ Injected at: 890607 20:00
Data File: >G7305::U3 Dilution Factor: 1.00000
Name: BNA 890607 G
Misc: BNA III BTL# 6

ID File: IDMAZ::US
Title: ACID/SURR, BN/SURR, PP/PST/PCB, IFB/ACID, IFB/BN, IFB/BNA
Last Calibration: 890620 09:19

	Compound	R.T.	Scan#	Area	Conc	Units	q
51)	2,4,6-Tribromophenol (SURR)	21.09	913	65623	62.06	UG/ML	94
52)	*d10-Phenanthrene	23.05	1009	173021	40.00	UG/ML	97
53)	4,6-Dinitro-o-cresol	20.76	897	62495	128.54	UG/ML	75
54)	N-Nitrosodiphenylamine	20.48	883	22811	10.78	UG/ML	69
54)	N-Nitrosodiphenylamine	20.91	904	250481	118.39	UG/ML	89
55)	4-Bromophenyl phenyl ether	21.90	953	125321	125.09	UG/ML	89
56)	Alpha-BHC	22.01	958	73504	115.57	UG/ML	90
56)	Alpha-BHC	22.76	995	35686	56.11	UG/ML	90
56)	Alpha-BHC	22.88	1001	57967	91.14	UG/ML	91
57)	Hexachlorobenzene	22.19	967	131913	116.49	UG/ML	98
58)	Beta-BHC	22.01	958	73504	165.60	UG/ML	90
58)	Beta-BHC	22.76	995	35572	80.14	UG/ML	90
58)	Beta-BHC	22.88	1001	57967	130.59	UG/ML	91
58)	Beta-BHC	23.52	1032	35183	79.26	UG/ML	92
58)	Beta-BHC	23.76	1044	4840	10.90	UG/ML	90
59)	Pentachlorophenol	22.80	997	80928	107.06	UG/ML	97
60)	Gamma-BHC	22.01	958	73504	148.11	UG/ML	90
60)	Gamma-BHC	22.76	995	35572	71.68	UG/ML	90
60)	Gamma-BHC	22.88	1001	57967	116.80	UG/ML	91
60)	Gamma-BHC	23.52	1032	35183	70.89	UG/ML	92
60)	Gamma-BHC	23.76	1044	4840	9.75	UG/ML	90
61)	Delta-BHC	22.76	995	35572	84.59	UG/ML	98
61)	Delta-BHC	22.88	1001	57967	137.85	UG/ML	98
61)	Delta-BHC	23.52	1032	35183	83.67	UG/ML	99
61)	Delta-BHC	23.76	1044	4840	11.51	UG/ML	97
62)	Phenanthrene	23.11	1012	468663	109.16	UG/ML	99
62)	Phenanthrene	23.25	1019	485680	113.12	UG/ML	97
63)	Anthracene	23.11	1012	468663	111.03	UG/ML	98
63)	Anthracene	23.25	1019	485680	115.06	UG/ML	96
64)	Heptachlor	24.72	1091	74096	135.87	UG/ML	64
65)	Di-n-butyl phthalate	25.45	1127	403713	75.95	UG/ML	96
66)	Aldrin	25.57	1133	36078	112.17	UG/ML	93
67)	Fluoranthene	26.63	1185	302121	75.73	UG/ML	98
67)	Fluoranthene	27.24	1215	299178	75.00	UG/ML	99
68)	Heptachlor epoxide	26.55	1181	19732	71.13	UG/ML	91
69)	Chlordane	27.12	1209	2546	52.48	UG/ML	99
70)	Pyrene	26.63	1185	302121	71.74	UG/ML	97
70)	Pyrene	27.24	1215	299178	71.05	UG/ML	97
71)	Endosulfan I	27.41	1223	8677	84.67	UG/ML	100
72)	4,4'-DDE	28.04	1254	56084	63.38	UG/ML	96
73)	Dieldrin	28.04	1254	54151	68.74	UG/ML	93
74)	Endrin	28.04	1254	20930	103.07	UG/ML	62
74)	Endrin	28.53	1278	13220	65.10	UG/ML	80

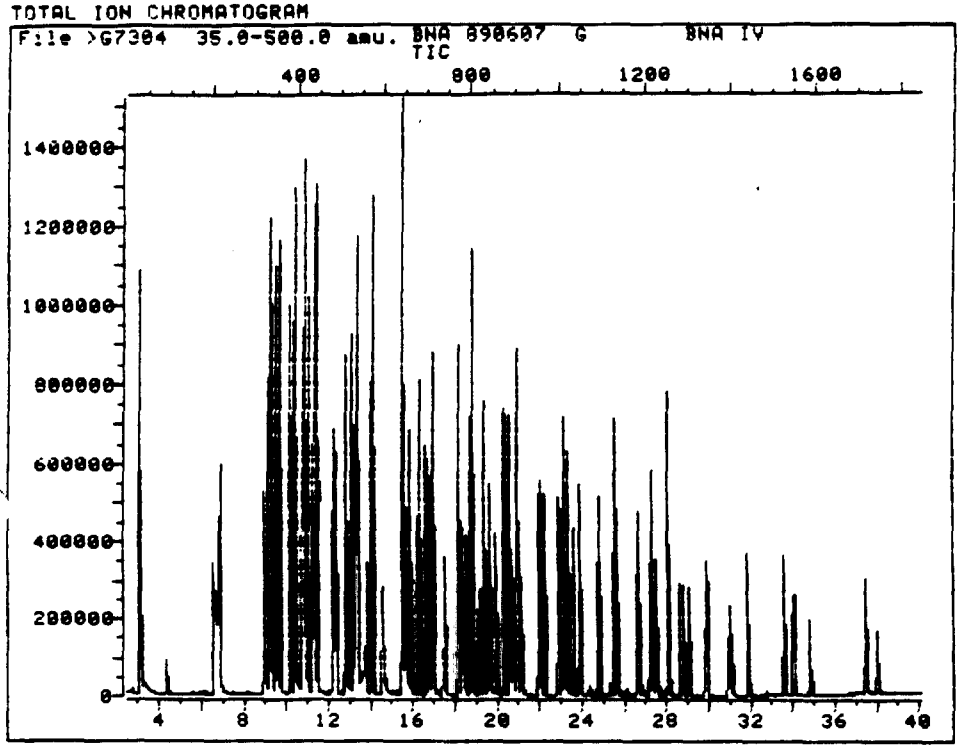
Operator ID: SC4660 Quant Rev: 7 Quant Time: 890620 09:31
Output File: AG7305::AQ Injected at: 890607 20:00
Data File: >G7305::U3 Dilution Factor: 1.00000
Name: BNA 890607 G
Misc: BNA III BTL# 6

ID File: IDMAZ::US
Title: ACID/SURR, BN/SURR, PP/PST/PCB, IFB/ACID, IFB/BN, IFB/BNA
Last Calibration: 890620 09:19

	Compound		R.T.	Scan#	Area	Conc	Units	q
75)	Endrin aldehyde		28.53	1278	9302	14.22	UG/ML	99
76)	Endosulfan II		28.75	1289	7983	46.73	UG/ML	94
77)	4,4'-DDD		29.00	1301	78870	58.32	UG/ML	97
77)	4,4'-DDD		29.87	1344	67988	50.27	UG/ML	96
78)	Endosulfan sulfate		29.75	1338	12374	46.56	UG/ML	94
79)	4,4'-DDT		29.00	1301	78870	73.28	UG/ML	94
79)	4,4'-DDT		29.87	1344	67988	63.17	UG/ML	94
81)	*d12-Chrysene		30.93	1396	67006	40.00	UG/ML	98
82)	Terphenyl-D14	(SURR)	28.04	1254	94357	67.45	UG/ML	99
83)	Butyl benzyl phthalate		29.81	1341	114871	111.97	UG/ML	99
84)	Benzo(a)anthracene		30.89	1394	85610	52.76	UG/ML	100
84)	Benzo(a)anthracene		30.99	1399	112384	69.27	UG/ML	100
85)	Chrysene		30.89	1394	85610	54.52	UG/ML	100
85)	Chrysene		30.99	1399	112384	71.57	UG/ML	100
86)	3,3'-Dichlorobenzidine		31.03	1401	26889	74.02	UG/ML	81
87)	bis(2-Ethylhexyl)phthalate		31.81	1439	147769	95.72	UG/ML	89
88)	*d12-Perylene		34.86	1589	49512	40.00	UG/ML	86
89)	Di-n-octyl phthalate		33.53	1524	194744	112.66	UG/ML	99
90)	Benzo(b)fluoranthene		33.92	1543	148168	117.60	UG/ML	88
90)	Benzo(b)fluoranthene		33.98	1546	101739	80.75	UG/ML	89
90)	Benzo(b)fluoranthene		34.72	1582	104700	83.10	UG/ML	90
91)	Benzo(k)fluoranthene		33.92	1543	148168	160.06	UG/ML	92
91)	Benzo(k)fluoranthene		33.98	1546	101739	109.91	UG/ML	93
91)	Benzo(k)fluoranthene		34.72	1582	104700	113.10	UG/ML	93
92)	Benzo(a)pyrene		33.92	1543	148168	154.70	UG/ML	90
92)	Benzo(a)pyrene		33.98	1546	101739	106.23	UG/ML	91
92)	Benzo(a)pyrene		34.72	1582	104700	109.32	UG/ML	91
93)	Indeno(1,2,3-c,d)pyrene		37.40	1714	200493	216.85	UG/ML	100
93)	Indeno(1,2,3-c,d)pyrene		37.46	1717	18250	19.74	UG/ML	100
93)	Indeno(1,2,3-c,d)pyrene		37.95	1741	99380	107.49	UG/ML	100
94)	Dibenzo(a,h)anthracene		37.40	1714	5811	5.98	UG/ML	100
94)	Dibenzo(a,h)anthracene		37.48	1718	61268	63.01	UG/ML	100
94)	Dibenzo(a,h)anthracene		37.95	1741	2882	2.96	UG/ML	100
95)	Benzo(ghi)perylene		37.40	1714	200493	214.94	UG/ML	100
95)	Benzo(ghi)perylene		37.46	1717	18250	19.57	UG/ML	100
95)	Benzo(ghi)perylene		37.95	1741	99380	106.54	UG/ML	100

* Compound is ISTD

TOTAL ION CHROMATOGRAM



Data File: >G7304::U3 Quant Output File: AG7304::AQ
Name: BNA 890607 G
Misc: BNA IV BTL# 5

Id File: IDMAZ::US
Title: ACID/SURR, BN/SURR, PP/PST/PCB, IFB/ACID, IFB/BN, IFB/BNA
Last Calibration: 890620 09:19

Operator ID: SC4660
Quant Time: 890620 09:39
Injected at: 890607 19:09

Operator ID: SC4660 Quant Rev: 7 Quant Time: 890620 09:39
Output File: AG7304::AQ Injected at: 890607 19:09
Data File: >G7304::U3 Dilution Factor: 1.00000
Name: BNA 890607 G
Misc: BNA IU BTL# 5

ID File: IDMAZ::US
Title: ACID/SURR, BN/SURR, PP/PST/PCB, IFB/ACID, IFB/BN, IFB/BNA
Last Calibration: 890620 09:19

	Compound		R.T.	Scan#	Area	Conc	Units	q
25)	Benzoic acid		13.82	556	300567	132.61	UG/ML	97
26)	Naphthalene		13.14	523	18460	1.37	UG/ML	89
26)	Naphthalene		13.39	535	1693703	125.38	UG/ML	87
27)	4-Chloroaniline		13.14	523	6425	3.71	UG/ML	58
27)	4-Chloroaniline		13.39	535	202526	116.91	UG/ML	70
27)	4-Chloroaniline		13.75	553	211677	122.19	UG/ML	62
28)	Hexachlorobutadiene		13.55	543	6496	2.15	UG/ML	97
28)	Hexachlorobutadiene		14.08	569	414078	136.98	UG/ML	98
29)	2-Methylnaphthalene		15.53	640	912411	142.46	UG/ML	92
29)	2-Methylnaphthalene		15.81	654	483274	75.46	UG/ML	76
30)	p-Chloro-m-cresol		15.55	641	355909	104.27	UG/ML	94
31)	*d10-Acenaphthene		18.69	795	207108	40.00	UG/ML	97
32)	Hexachlorocyclopentadiene		16.28	677	331997	230.00	UG/ML	98
33)	2,4,6-Trichlorophenol		16.59	692	241397	122.86	UG/ML	95
33)	2,4,6-Trichlorophenol		16.71	698	272786	138.84	UG/ML	98
34)	2,4,5-Trichlorophenol		16.59	692	241397	120.67	UG/ML	95
34)	2,4,5-Trichlorophenol		16.71	698	272786	136.36	UG/ML	97
35)	2-Fluorobiphenyl	(SURR)	16.83	704	466389	69.55	UG/ML	99
36)	2-Chloronaphthalene		16.59	692	23029	3.63	UG/ML	58
36)	2-Chloronaphthalene		16.71	698	7217	1.14	UG/ML	64
36)	2-Chloronaphthalene		16.98	711	844134	133.17	UG/ML	98
37)	2-Nitroaniline		17.53	738	223799	444.44	UG/ML	86
38)	Dimethyl phthalate		18.38	780	749383	122.92	UG/ML	97
39)	Acenaphthylene		18.22	772	1217578	146.94	UG/ML	96
40)	2,6-Dinitrotoluene		18.48	785	173628	144.58	UG/ML	81
41)	3-Nitroaniline		18.81	801	107755	483.50	UG/ML	100
41)	3-Nitroaniline		19.14	817	3215	14.43	UG/ML	100
41)	3-Nitroaniline		19.32	826	12724	57.09	UG/ML	100
42)	Acenaphthene		18.81	801	702413	131.30	UG/ML	98
42)	Acenaphthene		19.24	822	2562	.479	UG/ML	90
43)	2,4-Dinitrophenol		19.12	816	115321	214.56	UG/ML	100
43)	2,4-Dinitrophenol		19.18	819	3477	6.47	UG/ML	100
44)	Dibenzofuran		19.12	816	4235	.615	UG/ML	55
44)	Dibenzofuran		19.32	826	975185	141.67	UG/ML	99
45)	2,4-Dinitrotoluene		19.63	841	202782	133.65	UG/ML	95
46)	4-Nitrophenol		18.81	801	13462	14.24	UG/ML	100
46)	4-Nitrophenol		19.32	826	332473	351.68	UG/ML	100
46)	4-Nitrophenol		19.38	829	2622	2.77	UG/ML	100
46)	4-Nitrophenol		19.65	842	153133	161.98	UG/ML	100
47)	4-Nitroaniline		20.34	876	7492	70.32	UG/ML	71
47)	4-Nitroaniline		20.75	896	140899	1322.41	UG/ML	96
48)	Diethyl phthalate		20.59	888	749569	134.82	UG/ML	90
49)	Fluorene		20.34	876	735125	136.06	UG/ML	98

Operator ID: SC4660 Quant Rev: 7 Quant Time: 890620 09:39
Output File: AG7304::AQ Injected at: 890607 19:09
Data File: >G7304::U3 Dilution Factor: 1.00000
Name: BNA 890607 G
Misc: BNA IV BTL# 5

ID File: IDMAZ::US
Title: ACID/SURR, BN/SURR, PP/PST/PCB, IFB/ACID, IFB/BN, IFB/BNA
Last Calibration: 890620 09:19

	Compound	R.T.	Scan#	Area	Conc	Units	q
49)	Fluorene	21.16	916	6615	1.22	UG/ML	89
50)	4-Chlorophenyl phenyl ether	20.52	885	338966	129.00	UG/ML	86
)	2,4,6-Tribromophenol (SURR)	21.14	915	99894	98.08	UG/ML	95
52)	*d10-Phenanthrene	23.09	1011	193312	40.00	UG/ML	98
53)	4,6-Dinitro-o-cresol	20.85	901	124081	228.41	UG/ML	79
54)	N-Nitrosodiphenylamine	20.52	885	32628	13.80	UG/ML	69
54)	N-Nitrosodiphenylamine	20.95	906	369535	156.33	UG/ML	89
55)	4-Bromophenyl phenyl ether	21.95	955	185371	165.61	UG/ML	90
56)	Alpha-BHC	22.05	960	113943	160.35	UG/ML	93
56)	Alpha-BHC	22.83	998	71565	100.71	UG/ML	91
56)	Alpha-BHC	22.93	1003	93623	131.75	UG/ML	93
57)	Hexachlorobenzene	22.24	969	201432	159.22	UG/ML	95
58)	Beta-BHC	22.05	960	113943	229.76	UG/ML	93
58)	Beta-BHC	22.83	998	71565	144.30	UG/ML	91
58)	Beta-BHC	22.93	1003	93623	188.78	UG/ML	93
58)	Beta-BHC	23.56	1034	69699	140.54	UG/ML	92
58)	Beta-BHC	23.79	1045	9699	19.56	UG/ML	91
59)	Pentachlorophenol	22.87	1000	162613	192.54	UG/ML	99
60)	Gamma-BHC	22.05	960	113943	205.50	UG/ML	93
60)	Gamma-BHC	22.83	998	71565	129.07	UG/ML	91
60)	Gamma-BHC	22.93	1003	93623	168.85	UG/ML	93
60)	Gamma-BHC	23.56	1034	69699	125.70	UG/ML	92
60)	Gamma-BHC	23.79	1045	9699	17.49	UG/ML	91
61)	Delta-BHC	22.83	998	71565	152.33	UG/ML	98
61)	Delta-BHC	22.93	1003	93623	199.28	UG/ML	98
61)	Delta-BHC	23.56	1034	69699	148.35	UG/ML	98
61)	Delta-BHC	23.79	1045	9699	20.64	UG/ML	98
62)	Phenanthrene	23.17	1015	794840	165.69	UG/ML	99
62)	Phenanthrene	23.30	1021	797788	166.31	UG/ML	98
63)	Anthracene	23.17	1015	794840	168.53	UG/ML	98
63)	Anthracene	23.30	1021	797788	169.16	UG/ML	97
64)	Heptachlor	24.76	1093	118369	194.27	UG/ML	94
65)	Di-n-butyl phthalate	24.89	1099	2455	.413	UG/ML	99
65)	Di-n-butyl phthalate	25.50	1129	919290	154.80	UG/ML	95
66)	Aldrin	25.60	1134	59096	164.45	UG/ML	93
66)	Aldrin	26.60	1183	14702	40.91	UG/ML	94
67)	Fluoranthene	26.68	1187	648899	145.59	UG/ML	97
67)	Fluoranthene	27.29	1217	623609	139.91	UG/ML	98
68)	Heptachlor epoxide	26.60	1183	40372	130.26	UG/ML	92
69)	Chlordane	27.17	1211	5612	103.53	UG/ML	88
69)	Chlordane	27.52	1228	2790	51.47	UG/ML	94
70)	Pyrene	26.68	1187	648899	137.92	UG/ML	97
70)	Pyrene	27.29	1217	623609	132.54	UG/ML	96

Operator ID: SC4660 Quant Rev: 7 Quant Time: 890620 09:39
Output File: AG7304::AQ Injected at: 890607 19:09
Data File: >G7304::U3 Dilution Factor: 1.00000
Name: BNA 890607 G
Misc: BNA IV BTL# 5

ID File: IDMAZ::US
Title: ACID/SURR, BN/SURR, PP/PST/PCB, IFB/ACID, IFB/BN, IFB/BNA
Last Calibration: 890620 09:19

	Compound		R.T.	Scan#	Area	Conc	Units	q
71)	Endosulfan I		27.46	1225	18671	163.07	UG/ML	100
1)	Endosulfan I		28.07	1255	2528	22.08	UG/ML	100
72)	4,4'-DDE		28.09	1256	120733	122.11	UG/ML	91
73)	Dieldrin		28.07	1255	110064	125.05	UG/ML	95
74)	Endrin		28.07	1255	41448	182.69	UG/ML	74
74)	Endrin		28.58	1280	29034	127.97	UG/ML	71
75)	Endrin aldehyde		28.58	1280	17876	24.46	UG/ML	80
76)	Endosulfan II		28.78	1290	16015	83.91	UG/ML	93
77)	4,4'-DDD		29.03	1302	157808	104.44	UG/ML	98
77)	4,4'-DDD		29.90	1345	138862	91.91	UG/ML	97
78)	Endosulfan sulfate		28.78	1290	4086	13.76	UG/ML	97
78)	Endosulfan sulfate		29.78	1339	24994	84.17	UG/ML	93
79)	4,4'-DDT		29.03	1302	157808	131.23	UG/ML	96
79)	4,4'-DDT		29.90	1345	138862	115.48	UG/ML	95
81)	*d12-Chrysene		30.94	1396	80178	40.00	UG/ML	98
82)	Terphenyl-D14	(SURR)	28.07	1255	190401	113.75	UG/ML	99
83)	Butyl benzyl phthalate		29.84	1342	228472	186.12	UG/ML	98
84)	Benzo(a)anthracene		30.90	1394	159424	82.12	UG/ML	100
84)	Benzo(a)anthracene		31.02	1400	214112	110.28	UG/ML	100
84)	Benzo(a)anthracene		31.08	1403	2775	1.43	UG/ML	100
85)	Chrysene		30.90	1394	159424	84.85	UG/ML	100
85)	Chrysene		31.02	1400	214112	113.95	UG/ML	100
85)	Chrysene		31.08	1403	2775	1.48	UG/ML	100
86)	3,3'-Dichlorobenzidine		31.06	1402	48280	111.07	UG/ML	86
87)	bis(2-Ethylhexyl)phthalate		31.73	1435	3942	2.13	UG/ML	56
87)	bis(2-Ethylhexyl)phthalate		31.82	1439	295244	159.83	UG/ML	91
87)	bis(2-Ethylhexyl)phthalate		32.71	1483	2403	1.30	UG/ML	70
88)	*d12-Perylene		34.89	1590	63441	40.00	UG/ML	94
89)	Di-n-octyl phthalate		32.71	1483	2403	1.08	UG/ML	70
89)	Di-n-octyl phthalate		33.57	1525	416706	188.14	UG/ML	97
90)	Benzo(b)fluoranthene		33.95	1544	280353	173.66	UG/ML	89
90)	Benzo(b)fluoranthene		34.01	1547	189938	117.66	UG/ML	88
90)	Benzo(b)fluoranthene		34.75	1583	203444	126.02	UG/ML	89
91)	Benzo(k)fluoranthene		33.95	1544	280353	236.36	UG/ML	92
91)	Benzo(k)fluoranthene		34.01	1547	189938	160.13	UG/ML	91
91)	Benzo(k)fluoranthene		34.75	1583	203444	171.52	UG/ML	92
92)	Benzo(a)pyrene		33.95	1544	280353	228.45	UG/ML	90
92)	Benzo(a)pyrene		34.01	1547	189938	154.77	UG/ML	91
92)	Benzo(a)pyrene		34.75	1583	203444	165.78	UG/ML	91
93)	Indeno(1,2,3-c,d)pyrene		37.43	1715	449327	379.28	UG/ML	100
93)	Indeno(1,2,3-c,d)pyrene		37.49	1718	17856	15.07	UG/ML	100
93)	Indeno(1,2,3-c,d)pyrene		38.00	1743	211603	178.62	UG/ML	100
94)	Dibenzo(a,h)anthracene		37.43	1715	8702	6.98	UG/ML	100

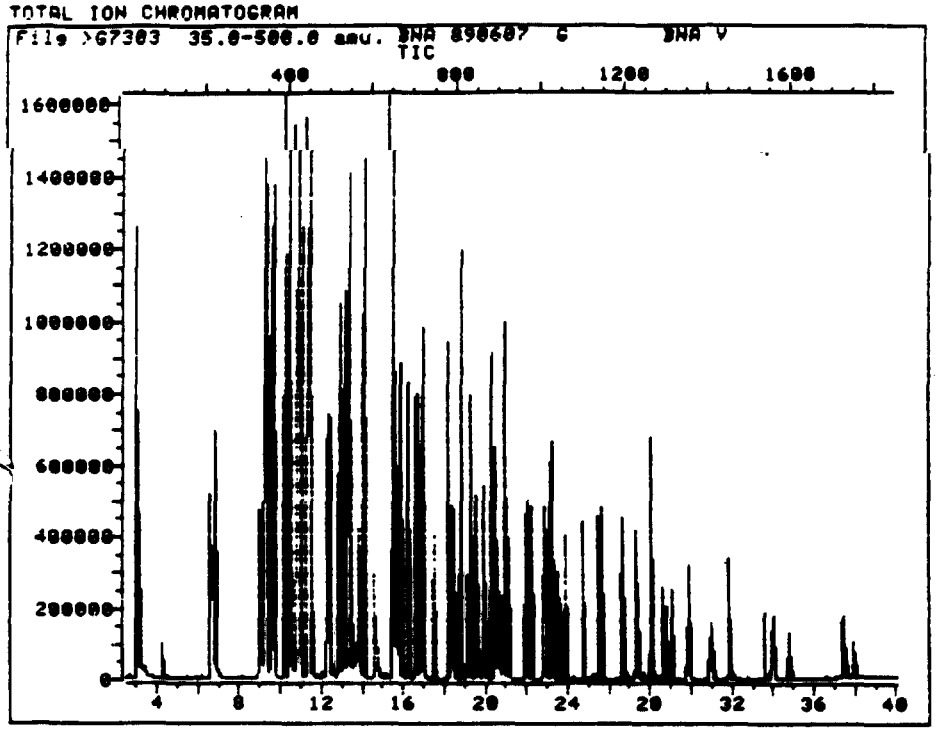
Operator ID: SC4660 Quant Rev: 7 Quant Time: 890620 09:39
Output File: AG7304::AQ Injected at: 890607 19:09
Data File: >G7304::U3 Dilution Factor: 1.00000
Name: BNA 890607 G
Misc: BNA IV BTL# 5

ID File: IDMAZ::US
Title: ACID/SURR, BN/SURR, PP/PST/PCB, IFB/ACID, IFB/BN, IFB/BNA
Last Calibration: 890620 09:19

	Compound	R.T.	Scan#	Area	Conc	Units	q
74)	Dibenzo(a,h)anthracene	37.49	1718	131881	105.85	UG/ML	100
74)	Dibenzo(a,h)anthracene	38.00	1743	6740	5.41	UG/ML	100
;)	Benzo(ghi)perylene	37.43	1715	449327	375.95	UG/ML	100
95)	Benzo(ghi)perylene	37.49	1718	17856	14.94	UG/ML	100
95)	Benzo(ghi)perylene	38.00	1743	211603	177.05	UG/ML	100

* Compound is ISTD

TOTAL ION CHROMATOGRAM



Data File: >G7303::U3 Quant Output File: AG7303::AQ
Name: BNA 890607 G
Misc: BNA V BTL# 4

Id File: IDMAZ::US
Title: ACID/SURR, BN/SURR, PP/PST/PCB, IFB/ACID, IFB/BN, IFB/BNA
Last Calibration: 890620 09:19

Operator ID: GM6356
Quant Time: 890620 09:46
Injected at: 890607 17:23

Operator ID: GM6356 Quant Rev: 7 Quant Time: 890620 09:46
Output File: AG7303::AQ Injected at: 890607 17:23
Data File: >G7303::U3 Dilution Factor: 1.00000
Name: BNA 890607 G
Misc: BNA U BTL# 4

ID File: IDMAZ::US
Title: ACID/SURR, BN/SURR, PP/PST/PCB, IFB/ACID, IFB/BN, IFB/BNA
Last Calibration: 890620 09:19

	Compound	R.T.	Scan#	Area	Conc	Units	q
1)	*d4-1,4-Dichlorobenzene	9.62	350	438321	40.00	UG/ML	89
2)	2-Fluorophenol (SURR)	6.55	199	994584M	136.82	UG/ML	81
3)	bis(2-Chloroethyl) ether	9.26	332	816710	107.74	UG/ML	88
4)	Phenol-D5 (SURR)	9.30	334	849813	112.12	UG/ML	94
5)	Phenol	9.34	336	1083398	140.71	UG/ML	86
6)	2-Chlorophenol	9.22	330	905479	128.90	UG/ML	90
6)	2-Chlorophenol	9.30	334	92805	13.21	UG/ML	76
7)	1,3-Dichlorobenzene	9.52	345	1074909	116.59	UG/ML	88
7)	1,3-Dichlorobenzene	9.71	354	1114512	120.88	UG/ML	88
7)	1,3-Dichlorobenzene	10.17	377	1053459	114.26	UG/ML	88
8)	1,4-Dichlorobenzene	9.52	345	1074909	118.30	UG/ML	98
8)	1,4-Dichlorobenzene	9.71	354	1114512	122.66	UG/ML	97
8)	1,4-Dichlorobenzene	10.17	377	1053459	115.94	UG/ML	97
9)	1,2-Dichlorobenzene	9.52	345	1074909	128.33	UG/ML	99
9)	1,2-Dichlorobenzene	9.71	354	1114512	133.06	UG/ML	98
9)	1,2-Dichlorobenzene	10.17	377	1053459	125.77	UG/ML	98
10)	Benzyl alcohol	10.40	388	335330	77.47	UG/ML	80
11)	N-Nitrosodi-n-propylamine	11.03	419	5462	1.10	UG/ML	75
11)	N-Nitrosodi-n-propylamine	11.15	425	5226	1.06	UG/ML	65
11)	N-Nitrosodi-n-propylamine	11.21	428	10108	2.04	UG/ML	68
11)	N-Nitrosodi-n-propylamine	11.32	433	494399	99.84	UG/ML	63
11)	N-Nitrosodi-n-propylamine	11.48	441	138450	27.96	UG/ML	43
12)	Hexachloroethane	11.03	419	483401	134.12	UG/ML	94
13)	2-Methylphenol	10.17	377	6722	1.28	UG/ML	68
13)	2-Methylphenol	10.91	413	669076	127.25	UG/ML	78
14)	4-Methylphenol	10.17	377	6722	1.10	UG/ML	64
14)	4-Methylphenol	10.91	413	669076	109.42	UG/ML	65
14)	4-Methylphenol	11.40	437	1381260	225.90	UG/ML	93
15)	bis(2-Chloroisopropyl)ether	10.81	408	516491M	239.01	UG/ML	
16)	*d8-Naphthalene	13.34	532	599150	40.00	UG/ML	93
17)	Nitrobenzene-D5 (SURR)	11.34	434	570001	81.07	UG/ML	93
18)	Nitrobenzene	10.44	390	146759	26.83	UG/ML	35
18)	Nitrobenzene	10.87	411	810733	148.20	UG/ML	60
18)	Nitrobenzene	11.44	439	1278875	233.78	UG/ML	90
18)	Nitrobenzene	12.03	468	14655	2.68	UG/ML	70
19)	Isophorone	12.25	479	1192151	130.18	UG/ML	99
19)	Isophorone	12.58	495	52216	5.70	UG/ML	96
20)	2-Nitrophenol	12.36	484	579052	203.69	UG/ML	85
21)	2,4-Dimethylphenol	11.89	461	2731	.572	UG/ML	92
21)	2,4-Dimethylphenol	12.89	510	827013	173.30	UG/ML	97
21)	2,4-Dimethylphenol	13.23	527	11035	2.31	UG/ML	70
22)	bis(2-Chloroethoxy)methane	12.95	513	10845	1.92	UG/ML	60
22)	bis(2-Chloroethoxy)methane	13.07	519	985881	174.72	UG/ML	84

Operator ID: GM6356 Quant Rev: 7 Quant Time: 890620 09:46
Output File: AG7303::AQ Injected at: 890607 17:23
Data File: >G7303::U3 Dilution Factor: 1.00000
Name: BNA 890607 G
Misc: BNA V BTL# 4

ID File: IDMAZ::US
Title: ACID/SURR, BN/SURR, PP/PST/PCB, IFB/ACID, IFB/BN, IFB/BNA
Last Calibration: 890620 09:19

	Compound		R.T.	Scan#	Area	Conc	Units	q
23)	1,2,4-Trichlorobenzene		13.25	528	796754	160.61	UG/ML	96
23)	1,2,4-Trichlorobenzene		13.93	561	3720	.750	UG/ML	95
24)	2,4-Dichlorophenol		13.17	524	673608	174.27	UG/ML	96
24)	2,4-Dichlorophenol		13.76	553	7572	1.96	UG/ML	99
25)	Benzoic acid		13.95	562	384075	165.40	UG/ML	89
26)	Naphthalene		13.19	525	27130	1.96	UG/ML	88
26)	Naphthalene		13.42	536	2043653	147.66	UG/ML	86
27)	4-Chloroaniline		13.19	525	9907	5.58	UG/ML	60
27)	4-Chloroaniline		13.42	536	242086	136.40	UG/ML	69
27)	4-Chloroaniline		13.78	554	225294	126.94	UG/ML	62
28)	Hexachlorobutadiene		13.56	543	8380	2.71	UG/ML	97
28)	Hexachlorobutadiene		14.09	569	516377	166.74	UG/ML	98
29)	2-Methylnaphthalene		15.52	639	1285464	195.91	UG/ML	87
29)	2-Methylnaphthalene		15.82	654	630214	96.04	UG/ML	72
30)	p-Chloro-m-cresol		15.56	641	460756	131.76	UG/ML	93
31)	*d10-Acenaphthene		18.68	794	184202	40.00	UG/ML	96
32)	Hexachlorocyclopentadiene		16.27	676	404534	315.10	UG/ML	96
33)	2,4,6-Trichlorophenol		16.60	692	326469	186.83	UG/ML	98
33)	2,4,6-Trichlorophenol		16.70	697	332374	190.21	UG/ML	98
34)	2,4,5-Trichlorophenol		16.60	692	326469	183.49	UG/ML	98
34)	2,4,5-Trichlorophenol		16.70	697	332374	186.81	UG/ML	97
35)	2-Fluorobiphenyl	(SURR)	16.82	703	565174	94.76	UG/ML	98
36)	2-Chloronaphthalene		16.60	692	30828	5.47	UG/ML	58
36)	2-Chloronaphthalene		16.70	697	10050	1.78	UG/ML	64
36)	2-Chloronaphthalene		16.97	710	1044072	185.20	UG/ML	97
37)	2-Nitroaniline		17.52	737	222662	497.16	UG/ML	87
38)	Dimethyl phthalate		18.37	779	761346	140.41	UG/ML	99
38)	Dimethyl phthalate		18.43	782	5716	1.05	UG/ML	74
39)	Acenaphthylene		18.19	770	1271079	172.47	UG/ML	96
40)	2,6-Dinitrotoluene		18.48	784	180573	169.06	UG/ML	86
41)	3-Nitroaniline		18.80	800	99438	501.67	UG/ML	100
41)	3-Nitroaniline		18.84	802	3824	19.29	UG/ML	100
41)	3-Nitroaniline		19.11	815	4729	23.86	UG/ML	100
41)	3-Nitroaniline		19.29	824	14264	71.96	UG/ML	100
42)	Acenaphthene		18.80	800	841622	176.89	UG/ML	98
42)	Acenaphthene		19.21	820	3092	.650	UG/ML	72
43)	2,4-Dinitrophenol		19.11	815	115097	240.78	UG/ML	100
43)	2,4-Dinitrophenol		19.17	818	2760	5.77	UG/ML	100
43)	2,4-Dinitrophenol		20.03	860	2058	4.31	UG/ML	100
44)	Dibenzofuran		19.11	815	4322	.706	UG/ML	55
44)	Dibenzofuran		19.29	824	995985	162.69	UG/ML	96
45)	2,4-Dinitrotoluene		19.60	839	197048	146.02	UG/ML	95
46)	4-Nitrophenol		18.80	800	12571	14.95	UG/ML	100

Operator ID: GM6356 Quant Rev: 7 Quant Time: 890620 09:46
Output File: AG7303::AQ Injected at: 890607 17:23
Data File: >G7303::U3 Dilution Factor: 1.00000
Name: BNA 890607 G
Misc: BNA U BTL# 4

ID File: IDMAZ::US
Title: ACID/SURR, BN/SURR, PP/PST/PCB, IFB/ACID, IFB/BN, IFB/BNA
Last Calibration: 890620 09:19

	Compound	R.T.	Scan#	Area	Conc	Units	q
46)	4-Nitrophenol	19.29	824	349888	416.12	UG/ML	100
46)	4-Nitrophenol	19.35	827	3410	4.06	UG/ML	100
46)	4-Nitrophenol	19.62	840	148521	176.64	UG/ML	100
47)	4-Nitroaniline	20.33	875	7405	78.14	UG/ML	64
47)	4-Nitroaniline	20.72	894	117019	1234.86	UG/ML	92
48)	Diethyl phthalate	20.58	887	711182	143.82	UG/ML	90
49)	Fluorene	20.33	875	717576	149.33	UG/ML	98
49)	Fluorene	21.13	914	6996	1.46	UG/ML	89
50)	4-Chlorophenyl phenyl ether	20.49	883	340555	145.72	UG/ML	85
51)	2,4,6-Tribromophenol (SURR)	21.13	914	106555	117.63	UG/ML	96
52)	*d10-Phenanthrene	23.06	1009	141569	40.00	UG/ML	96
53)	4,6-Dinitro-o-cresol	20.82	899	119142	299.48	UG/ML	76
54)	N-Nitrosodiphenylamine	20.49	883	34363	19.85	UG/ML	71
54)	N-Nitrosodiphenylamine	20.94	905	389679	225.10	UG/ML	90
55)	4-Bromophenyl phenyl ether	21.92	953	185333	226.10	UG/ML	90
56)	Alpha-BHC	22.02	958	99080	190.40	UG/ML	96
56)	Alpha-BHC	22.82	997	58221	111.88	UG/ML	90
56)	Alpha-BHC	22.90	1001	84689	162.74	UG/ML	95
57)	Hexachlorobenzene	22.23	968	200712	216.63	UG/ML	98
58)	Beta-BHC	22.02	958	99080	272.81	UG/ML	95
58)	Beta-BHC	22.82	997	58221	160.31	UG/ML	90
58)	Beta-BHC	22.90	1001	84689	233.18	UG/ML	95
58)	Beta-BHC	23.53	1032	56351	155.16	UG/ML	92
58)	Beta-BHC	23.78	1044	7939	21.86	UG/ML	90
59)	Pentachlorophenol	22.84	998	147396	238.31	UG/ML	99
60)	Gamma-BHC	22.02	958	99080	244.00	UG/ML	96
60)	Gamma-BHC	22.82	997	58221	143.38	UG/ML	90
60)	Gamma-BHC	22.90	1001	84689	208.56	UG/ML	95
60)	Gamma-BHC	23.53	1032	56351	138.77	UG/ML	92
60)	Gamma-BHC	23.78	1044	7939	19.55	UG/ML	90
61)	Delta-BHC	22.82	997	58221	169.22	UG/ML	97
61)	Delta-BHC	22.90	1001	84689	246.14	UG/ML	96
61)	Delta-BHC	23.53	1032	56351	163.78	UG/ML	98
61)	Delta-BHC	23.78	1044	7939	23.07	UG/ML	97
62)	Phenanthrene	23.15	1013	710883	202.36	UG/ML	99
62)	Phenanthrene	23.29	1020	750517	213.64	UG/ML	99
63)	Anthracene	23.15	1013	710883	205.82	UG/ML	98
63)	Anthracene	23.29	1020	750517	217.30	UG/ML	97
64)	Heptachlor	24.74	1091	111286	249.41	UG/ML	64
65)	Di-n-butyl phthalate	25.47	1127	752075	172.93	UG/ML	96
66)	Aldrin	25.59	1133	51472	195.59	UG/ML	93
67)	Fluoranthene	26.67	1186	514345	157.58	UG/ML	98
67)	Fluoranthene	27.26	1215	515281	157.86	UG/ML	98

Operator ID: GM6356 Quant Rev: 7 Quant Time: 890620 09:46
Output File: AG7303::AQ Injected at: 890607 17:23
Data File: >G7303::U3 Dilution Factor: 1.00000
Name: BNA 890607 G
Misc: BNA U BTL# 4

ID File: IDMAZ::US
Title: ACID/SURR, BN/SURR, PP/PST/PCB, IFB/ACID, IFB/BN, IFB/BNA
Last Calibration: 890620 09:19

	Compound		R.T.	Scan#	Area	Conc	Units	q
68)	Heptachlor epoxide		26.59	1182	31908	140.57	UG/ML	92
69)	Chlordane		27.14	1209	4015	101.14	UG/ML	96
70)	Pyrene		26.67	1186	514345	149.28	UG/ML	97
70)	Pyrene		27.26	1215	515281	149.55	UG/ML	97
71)	Endosulfan I		27.43	1223	14638	174.57	UG/ML	100
72)	4,4'-DDE		28.06	1254	91746	126.71	UG/ML	94
73)	Dieldrin		28.06	1254	88649	137.53	UG/ML	93
74)	Endrin		28.06	1254	34853	209.77	UG/ML	57
74)	Endrin		28.55	1278	22165	133.41	UG/ML	85
75)	Endrin aldehyde		28.55	1278	15083	28.18	UG/ML	95
76)	Endosulfan II		28.77	1289	12455	89.10	UG/ML	93
77)	4,4'-DDD		29.02	1301	121241	109.57	UG/ML	98
77)	4,4'-DDD		29.87	1343	106352	96.12	UG/ML	98
78)	Endosulfan sulfate		28.75	1288	3029	13.93	UG/ML	94
78)	Endosulfan sulfate		29.75	1337	17565	80.78	UG/ML	94
79)	4,4'-DDT		29.02	1301	121241	137.68	UG/ML	96
79)	4,4'-DDT		29.87	1343	106352	120.77	UG/ML	96
81)	*d12-Chrysene		30.93	1395	47049	40.00	UG/ML	98
82)	Terphenyl-D14	(SURR)	28.06	1254	155834	158.65	UG/ML	99
83)	Butyl benzyl phthalate		29.83	1341	176954	245.66	UG/ML	98
84)	Benzo(a)anthracene		30.89	1393	120720	105.96	UG/ML	100
84)	Benzo(a)anthracene		31.01	1399	155273	136.29	UG/ML	100
85)	Chrysene		30.89	1393	120720	109.49	UG/ML	100
85)	Chrysene		31.01	1399	155273	140.83	UG/ML	100
86)	3,3'-Dichlorobenzidine		31.03	1400	28020	109.85	UG/ML	85
87)	bis(2-Ethylhexyl)phthalate		31.81	1438	223587	206.26	UG/ML	90
88)	*d12-Perylene		34.86	1588	31311	40.00	UG/ML	86
89)	Di-n-octyl phthalate		33.53	1523	267412	244.62	UG/ML	98
90)	Benzo(b)fluoranthene		33.92	1542	171630	215.41	UG/ML	89
90)	Benzo(b)fluoranthene		33.98	1545	129842	162.96	UG/ML	89
90)	Benzo(b)fluoranthene		34.72	1581	130855	164.24	UG/ML	88
91)	Benzo(k)fluoranthene		33.92	1542	171630	293.18	UG/ML	92
91)	Benzo(k)fluoranthene		33.98	1545	129842	221.80	UG/ML	93
91)	Benzo(k)fluoranthene		34.72	1581	130855	223.53	UG/ML	92
92)	Benzo(a)pyrene		33.92	1542	171630	283.37	UG/ML	91
92)	Benzo(a)pyrene		33.98	1545	129842	214.37	UG/ML	91
92)	Benzo(a)pyrene		34.72	1581	130855	216.04	UG/ML	90
93)	Indeno(1,2,3-c,d)pyrene		37.38	1712	207535	354.95	UG/ML	100
93)	Indeno(1,2,3-c,d)pyrene		37.46	1716	20226	34.59	UG/ML	100
93)	Indeno(1,2,3-c,d)pyrene		37.95	1740	118817	203.21	UG/ML	100
94)	Dibenzo(a,h)anthracene		37.38	1712	6640	10.80	UG/ML	100
94)	Dibenzo(a,h)anthracene		37.46	1716	80324	130.63	UG/ML	100
94)	Dibenzo(a,h)anthracene		37.95	1740	3534	5.75	UG/ML	100

Operator ID: GM6356 Quant Rev: 7 Quant Time: 890620 09:46
Output File: AG7303::AQ Injected at: 890607 17:23
Data File: >G7303::U3 Dilution Factor: 1.00000
Name: BNA 890607 G
Misc: BNA U BTL# 4

ID File: IDMAZ::US
Title: ACID/SURR, BN/SURR, PP/PST/PCB, IFB/ACID, IFB/BN, IFB/BNA
Last Calibration: 890620 09:19

	Compound	R.T.	Scan#	Area	Conc	Units	q
95)	Benzo(ghi)perylene	37.38	1712	207535	351.83	UG/ML	100
95)	Benzo(ghi)perylene	37.46	1716	20226	34.29	UG/ML	100
95)	Benzo(ghi)perylene	37.95	1740	118817	201.43	UG/ML	100

* Compound is ISTD

/H

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: EIC Corp. Contract: _____

Lab Code: Case No.: _____ SAS No.: SDG No.:

Instrument ID: GC/MS G Calibration Date: 06/08/89 Time: 0819

Lab File ID: >G7521 Init Calib. Date(s): 06/02/89 06/02/89

Min RRF50 for SPCC(#) = 0.050 Max %RSD for CCC(*) = 30.0%

COMPOUND	RRF	RRF50	%D
Phenol*	.6781	.7641	12.7*
bis(2-Chloroethyl)ether	.6541	.7441	17.5
2-Chlorophenol*	.6781	.7611	21.1*
1,3-Dichlorobenzene	.7821	.8361	6.9
Heptachlor	.2141	.2111	1.4
Aldrin	.1981	.1991	.7
Heptachlor epoxide	.1691	.1451	15.5
Endosulfan I	.1221	.1251	2.2
Dieldrin	.1651	.1611	5.1
4,4'-DDE	.1691	.1621	4.2
N-Nitroso-di-n-propylamine#	.4161	.4951	19.0#
Endosulfan II	.1251	.1211	11.0
Nitrobenzene	.5561	.5591	.5
Endosulfan sulfate	.1541	.1281	19.5
2-Nitrophenol*	.2181	.2181	.1*
2,4-Dimethylphenol	.3391	.3541	1.6
Benzoic acid	.1361	.1841	34.1
bis(2-Chloroethoxy)methane	.4221	.4211	.2
2,4-Dichlorophenol*	.2611	.2541	2.2*
1,2,4-Trichlorobenzene	.5421	.5541	2.1
Naphthalene	.9261	1.0141	9.5
4-Chloroaniline	.1181	.2191	22.6
Hexachlorobutadiene*	.2381	.2441	2.5*
4-Chloro-3-methylphenol*	.1951	.1911	1.5*
2-Methylnaphthalene	.5521	.5811	5.1
Hexachlorocyclopentadiene#	.5351	.5441	1.6#
2,4,6-Trichlorophenol*	.3991	.3961	.7*
2,4,5-Trichlorophenol	.4191	.4111	1.9
2-Chloronaphthalene	1.3121	1.2751	3.2
2-Nitroaniline	.3211	.3091	3.5
Dimethylphthalate	1.2111	1.2141	.4
Acenaphthylene	1.8841	1.8911	.3
2,6-Dinitrotoluene	.2241	.2641	5.2
3-Nitroaniline	.1811	.1911	4.2
Acenaphthene*	1.1951	1.2341	3.5*
2,4-Dinitrophenol#	.1521	.0871	56.2#
4-Nitrophenol#	.2231	.1541	45.6#

FORM VII SV -1 1/87 Rev.

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SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: EIC Corp. Contract: _____

Lab Code: Case No.: _____ SAS No.: SDG No.:

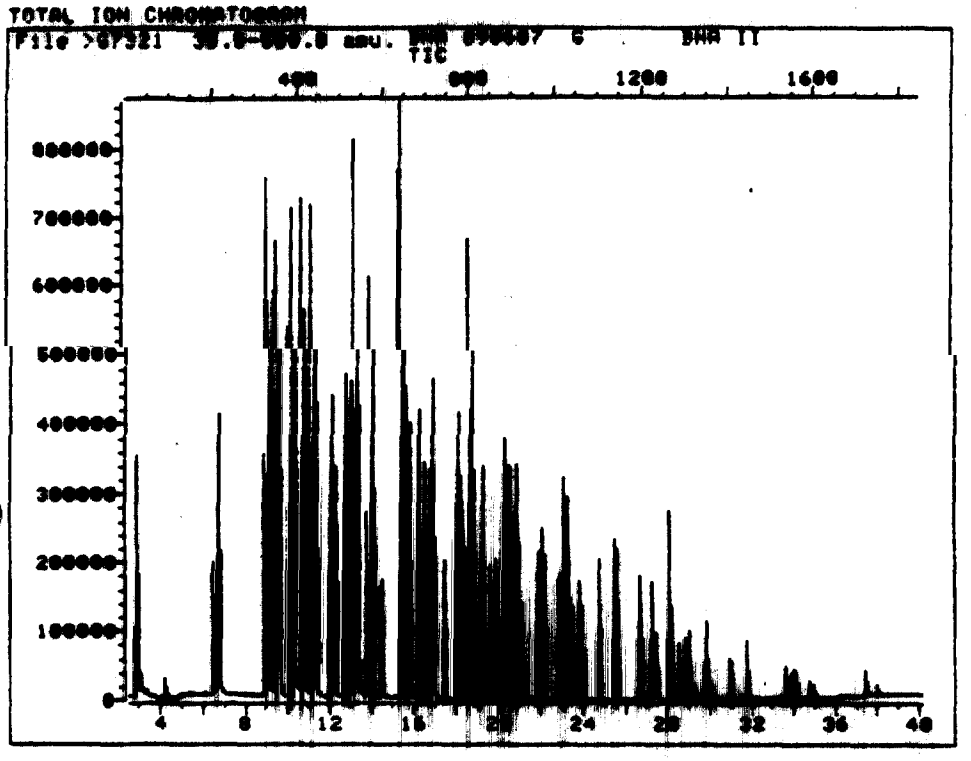
Instrument ID: GC/MS 6 Calibration Date: 06/08/89 Time: 0819

Lab File ID: >6/321 Init Calib. Date(s): 06/02/89 06/02/89

Min RRF50 for SPCC(#) = 0.050 Max %RSD for CCC(*) = 30.0%

COMPOUND	RRF	RRF50	%D
Dibenzofuran	1.470	1.458	1.2
2,4-Dinitrotoluene	.296	.288	2.6
Diethylphthalate	1.164	1.145	1.8
4-Chlorophenyl-phenylether	.556	.555	.5
Fluorene	1.128	1.145	1.5
4-Nitroaniline	.172	.162	5.6
4,6-Dinitro-2-methylphenol	.176	.145	17.5
N-Nitrosodiphenylamine (1) *	.685	.732	6.8*
4-Bromophenyl-phenylether	.529	.542	5.9
Hexachlorobenzene	.558	.557	.5
Pentachlorophenol *	.238	.179	24.6*
Phenanthrene	1.552	1.559	1.4
Anthracene	1.362	1.372	.7
Di-n-butylphthalate	1.295	1.278	5.2
Fluoranthene *	.955	.848	11.1*
Pyrene	.916	.819	10.5
Butylbenzylphthalate	.850	.958	12.8
3,3'-Dichlorobenzidine	.178	.170	4.5
Benzo(a)anthracene	.626	.619	1.2
Chrysene	.853	.868	2.9
bis(2-Ethylhexyl)phthalate	1.102	1.095	.7
Di-n-octylphthalate *	1.868	2.086	11.1*
Benzo(b)fluoranthene	1.451	1.423	.5
Benzo(k)fluoranthene	1.186	1.466	5.1
Benzo(a)pyrene *	1.155	1.102	4.5*
Indeno(1,2,3-cd)pyrene	1.966	1.878	4.5
Dibenz(a,h)anthracene	.595	.455	23.5
Benzo(g,h,i)perylene	.979	.848	13.4
Nitrobenzene-d5	.492	.494	.5
2-Fluorobiphenyl	1.548	1.562	1.4
Terphenyl-d14	1.514	1.252	15.7
Phenol-d5	.568	.639	14.1
2-Fluorophenol	.617	.624	9.2
2,4,6-Tribromophenol	.151	.156	10.4

(1) Cannot be separated from Diphenylamine



Data File: >G7321::U3 Quant Output File: AG7321::AQ
Name: BNA 890607 G
Misc: BNA II BTL# 7

Id File: IDMAZ::US
Title: ACID/SURR, BN/SURR, PP/PST/PCB, IFB/ACID, IFB/BN, IFB/BNA
Last Calibration: 890620 12:07

Operator ID: SC4660
Quant Time: 890620 12:09
Injected at: 890608 08:19

QUANT REPORT Page 1

Operator ID: SC4660 Quant Rev: 7 Quant Time: 890620 12:09
Output File: AG7321::AQ Injected at: 890608 08:19
Data File: >G7321::U3 Dilution Factor: 1.00000
Name: BNA 890607 G
Misc: BNA II BTL# 7

ID File: IDMAZ::US
Title: ACID/SURR, BN/SURR, PP/PST/PCB, IFB/ACID, IFB/BN, IFB/BNA
Last Calibration: 890620 12:07

	Compound	R.T.	Scan#	Area	Conc	Units	q
1)	*d4-1,4-Dichlorobenzene	9.55	347	383836	40.00	UG/ML	91
2)	2-Fluorophenol (SURR)	6.44	194	323442M	54.99	UG/ML	78
3)	bis(2-Chloroethyl) ether	9.14	327	356935	58.65	UG/ML	96
4)	Phenol-D5 (SURR)	9.14	327	306503	56.99	UG/ML	96
5)	Phenol	9.18	329	366430	56.35	UG/ML	90
6)	2-Chlorophenol	9.10	325	364963	60.53	UG/ML	96
7)	1,3-Dichlorobenzene	9.43	341	401037	53.46	UG/ML	91
7)	1,3-Dichlorobenzene	9.59	349	383329	51.10	UG/ML	87
7)	1,3-Dichlorobenzene	10.08	373	407398	54.31	UG/ML	88
8)	1,4-Dichlorobenzene	9.43	341	401037	53.87	UG/ML	99
8)	1,4-Dichlorobenzene	9.59	349	383329	51.49	UG/ML	97
8)	1,4-Dichlorobenzene	10.08	373	407398	54.72	UG/ML	98
9)	1,2-Dichlorobenzene	9.43	341	401037	53.96	UG/ML	98
9)	1,2-Dichlorobenzene	9.59	349	383329	51.58	UG/ML	96
9)	1,2-Dichlorobenzene	10.08	373	407398	54.82	UG/ML	98
10)	Benzyl alcohol	10.22	380	179923	58.34	UG/ML	89
11)	N-Nitrosodi-n-propylamine	11.14	425	237493	59.50	UG/ML	64
12)	Hexachloroethane	10.96	416	194461	55.73	UG/ML	95
13)	2-Methylphenol	10.77	407	211565	41.72	UG/ML	75
13)	2-Methylphenol	11.26	431	478979	94.46	UG/ML	89
14)	4-Methylphenol	10.77	407	211565	26.74	UG/ML	75
14)	4-Methylphenol	11.26	431	478979	60.55	UG/ML	84
15)	bis(2-Chloroisopropyl)ether	10.69	403	198114	55.41	UG/ML	98
16)	*d8-Naphthalene	13.26	529	645383	40.00	UG/ML	93
17)	Nitrobenzene-D5 (SURR)	11.24	430	199177	25.11	UG/ML	92
18)	Nitrobenzene	10.75	406	213414	23.78	UG/ML	97
18)	Nitrobenzene	11.30	433	450876	50.25	UG/ML	84
18)	Nitrobenzene	12.10	472	18950	2.11	UG/ML	46
19)	Isophorone	12.10	472	514429	52.19	UG/ML	99
20)	2-Nitrophenol	12.26	480	167687	50.00	UG/ML	86
21)	2,4-Dimethylphenol	12.73	503	269115	49.20	UG/ML	98
22)	bis(2-Chloroethoxy)methane	12.95	514	339517	49.88	UG/ML	83
23)	1,2,4-Trichlorobenzene	13.20	526	285935	51.05	UG/ML	95
24)	2,4-Dichlorophenol	13.05	519	204745	48.89	UG/ML	97
24)	2,4-Dichlorophenol	13.71	551	2148	.513	UG/ML	92
25)	Benzoic acid	13.42	537	68028	30.95	UG/ML	99
26)	Naphthalene	13.05	519	8709	.553	UG/ML	90
26)	Naphthalene	13.32	532	818127	51.95	UG/ML	86
27)	4-Chloroaniline	13.05	519	2898	1.52	UG/ML	62
27)	4-Chloroaniline	13.32	532	99867	52.55	UG/ML	92
27)	4-Chloroaniline	13.71	551	168808	88.82	UG/ML	62
28)	Hexachlorobutadiene	13.50	541	2954	.769	UG/ML	94
28)	Hexachlorobutadiene	14.01	566	196742	51.24	UG/ML	98

Operator ID: SC4660 Quant Rev: 7 Quant Time: 890620 12:09
Output File: AG7321::AQ Injected at: 890608 08:19
Data File: >G7321::U3 Dilution Factor: 1.00000
Name: BNA 890607 G
Misc: BNA II BTL# 7

ID File: IDMAZ::US
Title: ACID/SURR, BN/SURR, PP/PST/PCB, IFB/ACID, IFB/BN, IFB/BNA
Last Calibration: 890620 12:07

	Compound	R.T.	Scan#	Area	Conc	Units	q
29)	2-Methylnaphthalene	15.46	637	467912	52.56	UG/ML	89
29)	2-Methylnaphthalene	15.74	651	221086	24.83	UG/ML	76
30)	p-Chloro-m-cresol	15.44	636	153034M	49.26	UG/ML	
31)	*d10-Acenaphthene	18.63	793	221820	40.00	UG/ML	94
32)	Hexachlorocyclopentadiene	16.21	674	150817	50.80	UG/ML	99
33)	2,4,6-Trichlorophenol	16.52	689	109873	49.67	UG/ML	97
33)	2,4,6-Trichlorophenol	16.62	694	113891	51.48	UG/ML	96
34)	2,4,5-Trichlorophenol	16.52	689	109873	47.31	UG/ML	97
34)	2,4,5-Trichlorophenol	16.62	694	113891	49.04	UG/ML	96
35)	2-Fluorobiphenyl (SURR)	16.76	701	216488	25.35	UG/ML	98
36)	2-Chloronaphthalene	16.52	689	10466	1.43	UG/ML	58
36)	2-Chloronaphthalene	16.62	694	3541	.485	UG/ML	63
36)	2-Chloronaphthalene	16.88	707	353414	48.40	UG/ML	95
37)	2-Nitroaniline	17.43	734	85760	48.27	UG/ML	87
38)	Dimethyl phthalate	18.29	776	336608	50.18	UG/ML	97
39)	Acenaphthylene	18.13	768	524005	50.15	UG/ML	98
40)	2,6-Dinitrotoluene	18.39	781	73168	48.13	UG/ML	83
41)	3-Nitroaniline	18.72	797	52614	52.33	UG/ML	100
41)	3-Nitroaniline	19.23	822	6143	6.11	UG/ML	100
42)	Acenaphthene	18.74	798	342265	51.73	UG/ML	99
43)	2,4-Dinitrophenol	19.02	812	24193	31.89	UG/ML	100
44)	Dibenzofuran	19.23	822	404289	49.42	UG/ML	95
45)	2,4-Dinitrotoluene	19.53	837	79896	48.72	UG/ML	95
46)	4-Nitrophenol	18.72	797	6653	4.39	UG/ML	100
46)	4-Nitrophenol	19.23	822	146256	96.51	UG/ML	100
46)	4-Nitrophenol	19.55	838	42705	28.18	UG/ML	100
46)	4-Nitrophenol	20.26	873	25111	16.57	UG/ML	100
46)	4-Nitrophenol	20.45	882	11800	7.79	UG/ML	100
47)	4-Nitroaniline	20.61	890	46344	47.21	UG/ML	94
48)	Diethyl phthalate	20.51	885	316918	49.10	UG/ML	92
49)	Fluorene	20.26	873	316843	50.64	UG/ML	98
49)	Fluorene	21.06	912	2723	.435	UG/ML	82
50)	4-Chlorophenyl phenyl ether	20.45	882	147901	49.74	UG/ML	85
51)	2,4,6-Tribromophenol (SURR)	21.06	912	37590	44.78	UG/ML	94
52)	*d10-Phenanthrene	23.01	1008	182590	40.00	UG/ML	96
53)	4,6-Dinitro-o-cresol	20.73	896	33092	41.24	UG/ML	83
54)	N-Nitrosodiphenylamine	20.45	882	14553	4.65	UG/ML	69
54)	N-Nitrosodiphenylamine	20.88	903	167023	53.38	UG/ML	89
55)	4-Bromophenyl phenyl ether	21.87	952	78044	51.96	UG/ML	91
56)	Alpha-BHC	21.98	957	47277	53.11	UG/ML	90
56)	Alpha-BHC	22.75	995	23427	26.32	UG/ML	90
56)	Alpha-BHC	22.85	1000	37999	42.69	UG/ML	95
57)	Hexachlorobenzene	22.16	966	81375	49.73	UG/ML	97

Operator ID: SC4660 Quant Rev: 7 Quant Time: 890620 12:09
Output File: AG7321::AQ Injected at: 890608 08:19
Data File: >G7321::U3 Dilution Factor: 1.00000
Name: BNA 890607 G
Misc: BNA II BTL# 7

ID File: IDMAZ::US
Title: ACID/SURR, BN/SURR, PP/PST/PCB, IFB/ACID, IFB/BN, IFB/BNA
Last Calibration: 890620 12:07

	Compound		R.T.	Scan#	Area	Conc	Units	q
58)	Beta-BHC		21.98	957	47277	97.11	UG/ML	90
58)	Beta-BHC		22.75	995	23427	48.12	UG/ML	90
58)	Beta-BHC		22.85	1000	37999	78.05	UG/ML	95
58)	Beta-BHC		23.50	1032	23074	47.39	UG/ML	93
59)	Pentachlorophenol		22.79	997	40955	37.71	UG/ML	98
60)	Gamma-BHC		21.98	957	47277	63.88	UG/ML	90
60)	Gamma-BHC		22.75	995	23427	31.65	UG/ML	90
60)	Gamma-BHC		22.85	1000	37999	51.34	UG/ML	95
60)	Gamma-BHC		23.50	1032	23074	31.18	UG/ML	93
60)	Gamma-BHC		23.75	1044	3021	4.08	UG/ML	89
61)	Delta-BHC		22.75	995	23427	49.39	UG/ML	98
61)	Delta-BHC		22.85	1000	37999	80.11	UG/ML	96
61)	Delta-BHC		23.50	1032	23074	48.64	UG/ML	98
61)	Delta-BHC		23.75	1044	3021	6.37	UG/ML	98
62)	Phenanthrene		23.10	1012	309348	50.68	UG/ML	99
62)	Phenanthrene		23.22	1018	313159	51.31	UG/ML	98
63)	Anthracene		23.10	1012	309348	49.75	UG/ML	98
63)	Anthracene		23.22	1018	313159	50.37	UG/ML	97
64)	Heptachlor		24.70	1091	45874	49.30	UG/ML	81
65)	Di-n-butyl phthalate		25.44	1127	280302	47.42	UG/ML	96
66)	Aldrin		25.56	1133	22520	50.34	UG/ML	93
67)	Fluoranthene		26.62	1185	191746	44.94	UG/ML	98
67)	Fluoranthene		27.23	1215	186980	43.83	UG/ML	99
68)	Heptachlor epoxide		26.54	1181	11585	43.36	UG/ML	90
69)	Chlordane		27.11	1209	1488M	44.83	UG/ML	
70)	Pyrene		26.62	1185	191746	45.88	UG/ML	97
70)	Pyrene		27.23	1215	186980	44.74	UG/ML	96
71)	Endosulfan I		27.39	1223	5645	46.42	UG/ML	100
72)	4,4'-DDE		28.02	1254	36883	47.88	UG/ML	97
73)	Dieldrin		28.02	1254	36422	48.43	UG/ML	93
74)	Endrin		28.02	1254	13722	78.64	UG/ML	74
74)	Endrin		28.53	1279	6906	39.58	UG/ML	74
75)	Endrin aldehyde		28.53	1279	6730	20.28	UG/ML	81
76)	Endosulfan II		28.74	1289	4690	44.49	UG/ML	93
77)	4,4'-DDD		29.00	1302	43569	43.33	UG/ML	96
77)	4,4'-DDD		29.86	1344	33310	33.12	UG/ML	98
78)	Endosulfan sulfate		29.73	1338	6307	40.37	UG/ML	91
79)	4,4'-DDT		29.00	1302	43569	50.73	UG/ML	94
79)	4,4'-DDT		29.86	1344	33310	38.78	UG/ML	96
81)	*d12-Chrysene		30.91	1396	51871	40.00	UG/ML	98
82)	Terphenyl-D14	(SURR)	28.02	1254	56797	28.93	UG/ML	99
83)	Butyl benzyl phthalate		29.81	1342	62139	56.38	UG/ML	92
84)	Benzo(a)anthracene		30.87	1394	40122	49.42	UG/ML	100

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Operator ID: SC4660 Quant Rev: 7 Quant Time: 890620 12:09
Output File: AG7321::AQ Injected at: 890608 08:19
Data File: >G7321::U3 Dilution Factor: 1.00000
Name: BNA 890607 G
Misc: BNA II BTL# 7

ID File: IDMAZ::US
Title: ACID/SURR, BN/SURR, PP/PST/PCB, IFB/ACID, IFB/BN, IFB/BNA
Last Calibration: 890620 12:07

	Compound	R.T.	Scan#	Area	Conc	Units	q
84)	Benzo(a)anthracene	30.99	1400	55846	68.79	UG/ML	100
85)	Chrysene	30.87	1394	40122	36.97	UG/ML	100
85)	Chrysene	30.99	1400	55846	51.46	UG/ML	100
86)	3,3'-Dichlorobenzidine	31.04	1402	11021	47.83	UG/ML	89
87)	bis(2-Ethylhexyl)phthalate	31.79	1439	70994	53.61	UG/ML	92
88)	*d12-Perylene	34.88	1591	21754	40.00	UG/ML	97
89)	Di-n-octyl phthalate	33.56	1526	56160M	55.53	UG/ML	97
90)	Benzo(b)fluoranthene	33.92	1544	38699	49.74	UG/ML	90
90)	Benzo(b)fluoranthene	33.99	1547	39770	51.12	UG/ML	90
90)	Benzo(b)fluoranthene	34.72	1583	29290	37.65	UG/ML	89
91)	Benzo(k)fluoranthene	33.92	1544	38699	66.72	UG/ML	93
91)	Benzo(k)fluoranthene	33.99	1547	39770	68.56	UG/ML	93
91)	Benzo(k)fluoranthene	34.72	1583	29290	50.50	UG/ML	92
92)	Benzo(a)pyrene	33.92	1544	38699	68.89	UG/ML	91
92)	Benzo(a)pyrene	33.99	1547	39770	70.80	UG/ML	92
92)	Benzo(a)pyrene	34.72	1583	29290	52.14	UG/ML	91
93)	Indeno(1,2,3-c,d)pyrene	37.40	1715	51056	47.75	UG/ML	100
93)	Indeno(1,2,3-c,d)pyrene	37.95	1742	23060	21.57	UG/ML	100
94)	Dibenzo(a,h)anthracene	37.49	1719	11786	36.42	UG/ML	100
95)	Benzo(ghi)perylene	37.40	1715	51056	95.87	UG/ML	100
95)	Benzo(ghi)perylene	37.95	1742	23060	43.30	UG/ML	100

* Compound is ISTD

/H

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: FTC Corp. Contract: _____

Lab Code: Case No.: _____ SAS No.: SDG No.:

Instrument ID: GC/MS G Calibration Date: 08/16/89 Time: 1322

Lab File ID: >G2360 Init Calib. Date(s): 08/02/89 08/02/89

Min RRF50 for SPCC(#) = 0.050 Max %RSD for CCC(*) = 30.0%

COMPOUND	RRF	RRF50	%D
Phenol *	.6781	.7521	10.9*
bis(2-Chloroethyl)ether	.6541	.8251	30.1
2-Chlorophenol *	.6781	.8121	30.0
1,3-Dichlorobenzene	.7821	.8261	5.6
Heptachlor	.2841	.2511	12.2
Benzyl alcohol	.5211	.6591	24.0
Heptachlor epoxide	.1159	.1158	.2
Endosulfan I	.1122	.1125	2.6
Dieldrin	.1651	.1711	3.8
4,4'-DDE	.1691	.1581	6.6
N-Nitroso-di-n-propylamine *	.4161	.5881	41.3*
Endosulfan II	.1125	.1019	16.5
Nitrobenzene	.0561	.0591	6.2
Endosulfan sulfate	.1154	.1028	19.6
2-Nitrophenol *	.2188	.2521	14.3*
2,4-Dimethylphenol	.5591	.5511	3.5
Benzoic acid	.1361	.1361	.2
bis(2-Chloroethoxy)methane	.4221	.4751	12.0
2,4-Dichlorophenol *	.2611	.2751	6.1*
1,2,4-Trichlorobenzene	.1547	.1411	2.0
Naphthalene	.3761	.3561	4.1
4-Chloroaniline	.1181	.2115	75.2
Hexachlorobutadiene *	.2581	.2141	10.1*
4-Chloro-3-methylphenol *	.1951	.2251	15.6*
2-Methylnaphthalene	.0521	.0481	12.4
Hexachlorocyclopentadiene *	.0551	.0411	24.3*
2,4,6-Trichlorophenol *	.0991	.0921	1.8*
2,4,5-Trichlorophenol	.0191	.0112	4.0
2-Chloronaphthalene	1.5171	1.4511	8.2
2-Nitroaniline	.0211	.0591	12.0
Dimethylphthalate	1.2111	1.0951	9.2
Acenaphthylene	1.8841	1.8121	3.8
2,6-Dinitrotoluene	.2241	.2681	2.2
3-Nitroaniline	.1811	.1551	14.5
Acenaphthene *	1.1951	1.1911	.3*
2,4-Dinitrophenol *	.1521	.1461	6.6*
4-Nitrophenol *	.2251	.0661	69.9*

FORM VIII SV -1 1/87 Rev.

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: EIC Corp. Contract: _____

Lab Code: Case No.: _____ SAS No.: SDG No.:

Instrument ID: GC/MS G Calibration Date: 06/16/89 Time: 1522

Lab File ID: >G2560 Init Calib. Dates(s): 06/02/89 06/02/89

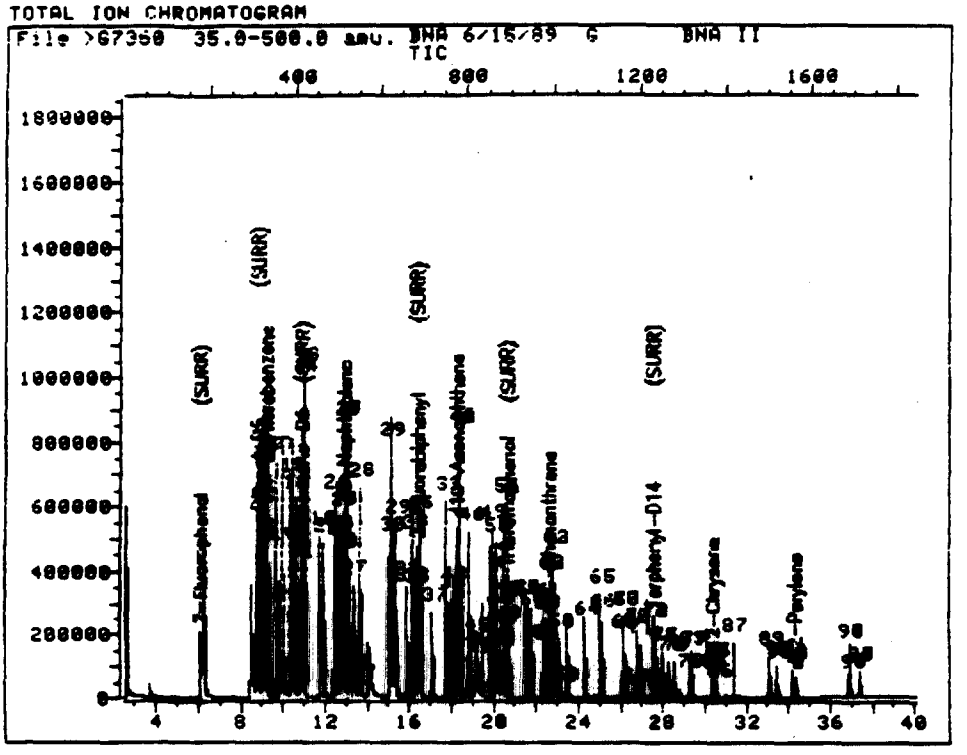
Min RRF50 for SPCC(#) = 0.050 Max %RSD for CCC(*) = 30.0%

COMPOUND	RRF	RRF50	%D
Dibenzofuran	1.470	1.524	6.8
2,4-Dinitrotoluene	.296	.299	5.2
Diethylphthalate	1.164	1.035	10.9
4-Chlorophenyl-phenylether	.556	.514	4.1
Fluorene	1.128	1.079	2.2
4-Nitroaniline	.122	.165	8.1
4,6-Dinitro-2-methylphenol	.126	.182	3.5
N-Nitrosodiphenylamine (1) *	.685	.715	4.4*
4-Bromophenyl-phenylether	.529	.531	.5
Hexachlorobenzene	.558	.565	1.9
Pentachlorophenol *	.238	.222	4.7*
Phenanthrene	1.552	1.565	2.0
Anthracene	1.562	1.441	5.8
Di-n-butylphthalate	1.295	1.286	.2
Fluoranthene *	.955	.859	8.7*
Pyrene	.916	.852	8.6
Butylbenzylphthalate	.859	.859	.0
3,3'-Dichlorobenzidine	.128	.211	18.2
Benzo(a)anthracene	.626	.532	15.0
Chrysene	.852	.759	11.2
bis(2-Ethylhexyl)phthalate	1.021	1.086	6.4
Di-n-octylphthalate *	1.861	2.112	13.5*
Benzo(b)fluoranthene	1.451	1.421	.2
Benzo(k)fluoranthene	1.116	.989	7.5
Benzo(a)pyrene *	1.155	1.045	1.0*
Indeno(1,2,3-cd)pyrene	1.966	2.445	24.2
Dibenz(a,h)anthracene	.595	.734	23.4
Benzo(g,h,i)perylene	.991	1.184	20.9
Nitrobenzene-d5	.492	.529	7.4
2-Fluorobiphenyl	1.541	1.599	3.7
Terphenyl-d14	1.514	1.611	6.9
Phenol-d5	.561	.785	40.0
2-Fluorophenol	.617	.471	23.9
2,4,6-Tribromophenol	.151	.156	10.4

(1) Cannot be separated from Diphenylamine

FORM VII SV-2 1/87 Rev.

TOTAL ION CHROMATOGRAM



Data File: >G7360::U3 Quant Output File: AG7360::AQ
Name: BNA 6/15/89 G
Misc: BNA II BTL# 7

Id File: IDMAZ::US
Title: ACID/SURR, BN/SURR, PP/PST/PCB, IFB/ACID, IFB/BN, IFB/BNA
Last Calibration: 890620 12:53

Operator ID: GM6356
Quant Time: 890620 15:30
Injected at: 890616 13:27

Operator ID: GM6356 Quant Rev: 7 Quant Time: 890620 15:30
Output File: AG7360::AQ Injected at: 890616 13:27
Data File: >G7360::U3 Dilution Factor: 1.00000
Name: BNA 6/15/89 G
Misc: BNA II BTL# 7

ID File: IDMAZ::US
Title: ACID/SURR, BN/SURR, PP/PST/PCB, IFB/ACID, IFB/BN, IFB/BNA
Last Calibration: 890620 12:53

	Compound	R.T.	Scan#	Area	Conc	Units	q
1)	*d4-1,4-Dichlorobenzene	9.17	328	440449	40.00	UG/ML	90
2)	2-Fluorophenol (SURR)	6.07	176	258622	34.84	UG/ML	95
3)	bis(2-Chloroethyl) ether	8.80	310	454355	55.47	UG/ML	88
4)	Phenol-D5 (SURR)	8.82	311	431961	61.41	UG/ML	92
5)	Phenol	8.86	313	413759M	49.20	UG/ML	87
6)	2-Chlorophenol	8.74	307	449590	53.68	UG/ML	89
7)	1,3-Dichlorobenzene	9.04	322	454513	49.38	UG/ML	88
7)	1,3-Dichlorobenzene	9.23	331	443179	48.15	UG/ML	89
7)	1,3-Dichlorobenzene	9.72	355	463654	50.38	UG/ML	91
8)	1,4-Dichlorobenzene	9.04	322	454513	51.66	UG/ML	98
8)	1,4-Dichlorobenzene	9.23	331	443179	50.38	UG/ML	99
8)	1,4-Dichlorobenzene	9.72	355	463654	52.70	UG/ML	98
9)	1,2-Dichlorobenzene	9.04	322	454513	48.61	UG/ML	99
9)	1,2-Dichlorobenzene	9.23	331	443179	47.40	UG/ML	98
9)	1,2-Dichlorobenzene	9.72	355	463654	49.59	UG/ML	97
10)	Benzyl alcohol	9.92	365	307943	74.58	UG/ML	83
11)	N-Nitrosodi-n-propylamine	10.57	397	2123	.390	UG/ML	80
11)	N-Nitrosodi-n-propylamine	10.70	403	5383	.988	UG/ML	63
11)	N-Nitrosodi-n-propylamine	10.82	409	323562	59.36	UG/ML	60
12)	Hexachloroethane	10.57	397	205199	45.98	UG/ML	95
13)	2-Methylphenol	9.72	355	2680	.552	UG/ML	70
13)	2-Methylphenol	10.45	391	314338	64.74	UG/ML	79
14)	4-Methylphenol	10.45	391	314338	28.60	UG/ML	66
14)	4-Methylphenol	10.94	415	664671	60.47	UG/ML	88
14)	4-Methylphenol	11.76	455	2636	.240	UG/ML	68
15)	bis(2-Chloroisopropyl)ether	10.35	386	204957	45.08	UG/ML	90
16)	*d8-Naphthalene	12.88	510	876477	40.00	UG/ML	93
17)	Nitrobenzene-D5 (SURR)	10.88	412	289233	53.46	UG/ML	91
18)	Nitrobenzene	10.96	416	650024	53.08	UG/ML	78
18)	Nitrobenzene	11.76	455	23563	1.92	UG/ML	43
19)	Isophorone	11.76	455	746672	53.44	UG/ML	98
19)	Isophorone	12.71	502	7621	.545	UG/ML	76
20)	2-Nitrophenol	11.90	462	260168	57.12	UG/ML	83
21)	2,4-Dimethylphenol	12.41	487	384581	52.61	UG/ML	95
21)	2,4-Dimethylphenol	12.82	507	9292	1.27	UG/ML	88
22)	bis(2-Chloroethoxy)methane	12.61	497	517764	56.15	UG/ML	86
23)	1,2,4-Trichlorobenzene	12.82	507	372556	47.97	UG/ML	96
24)	2,4-Dichlorophenol	12.69	501	301684	54.25	UG/ML	96
25)	Benzoic acid	13.27	529	149507	80.91	UG/ML	95
26)	Naphthalene	12.71	502	12818	.577	UG/ML	87
26)	Naphthalene	12.94	513	1025328	46.14	UG/ML	87
27)	4-Chloroaniline	12.71	502	4137	1.53	UG/ML	60
27)	4-Chloroaniline	12.94	513	123921	45.68	UG/ML	67

Operator ID: GM6356 Quant Rev: 7 Quant Time: 890620 15:30
Output File: AG7360::AQ Injected at: 890616 13:27
Data File: >G7360::U3 Dilution Factor: 1.00000
Name: BNA 6/15/89 G
Misc: BNA II BTL# 7

ID File: IDMAZ::US
Title: ACID/SURR, BN/SURR, PP/PST/PCB, IFB/ACID, IFB/BN, IFB/BNA
Last Calibration: 890620 12:53

	Compound	R.T.	Scan#	Area	Conc	Units	q
27)	4-Chloroaniline	13.35	533	224175	82.64	UG/ML	61
27)	4-Chloroaniline	13.67	549	4000	1.47	UG/ML	59
28)	Hexachlorobutadiene	13.12	522	3728	.698	UG/ML	97
28)	Hexachlorobutadiene	13.63	547	234310	43.85	UG/ML	99
29)	2-Methylnaphthalene	15.06	617	709880	55.86	UG/ML	79
29)	2-Methylnaphthalene	15.37	632	337833	26.58	UG/ML	74
30)	p-Chloro-m-cresol	15.10	619	243883	58.67	UG/ML	99
30)	p-Chloro-m-cresol	15.83	655	2008	.483	UG/ML	69
31)	*d10-Acenaphthene	18.24	773	317255	40.00	UG/ML	94
32)	Hexachlorocyclopentadiene	15.81	654	160798	37.27	UG/ML	97
33)	2,4,6-Trichlorophenol	16.14	670	155342	49.43	UG/ML	96
33)	2,4,6-Trichlorophenol	16.24	675	159503	50.75	UG/ML	98
34)	2,4,5-Trichlorophenol	16.14	670	155342	47.68	UG/ML	95
34)	2,4,5-Trichlorophenol	16.24	675	159503	48.96	UG/ML	97
35)	2-Fluorobiphenyl (SURR)	16.39	682	316771	51.15	UG/ML	98
36)	2-Chloronaphthalene	16.14	670	15165	1.50	UG/ML	56
36)	2-Chloronaphthalene	16.24	675	4612	.456	UG/ML	63
36)	2-Chloronaphthalene	16.49	687	567599	56.15	UG/ML	94
37)	2-Nitroaniline	17.08	716	142316	58.01	UG/ML	81
38)	Dimethyl phthalate	17.93	758	433370	45.01	UG/ML	98
39)	Acenaphthylene	17.73	748	720617	48.08	UG/ML	98
40)	2,6-Dinitrotoluene	18.04	763	106324	50.80	UG/ML	98
41)	3-Nitroaniline	18.34	778	61505	40.87	UG/ML	100
41)	3-Nitroaniline	18.40	781	4025	2.67	UG/ML	100
41)	3-Nitroaniline	18.83	802	7178	4.77	UG/ML	100
42)	Acenaphthene	18.34	778	471898	48.20	UG/ML	99
43)	2,4-Dinitrophenol	18.65	793	57823	83.56	UG/ML	100
44)	Dibenzofuran	18.83	802	544941	47.12	UG/ML	95
45)	2,4-Dinitrotoluene	19.14	817	110593	48.39	UG/ML	91
46)	4-Nitrophenol	18.34	778	7699	1.84	UG/ML	100
46)	4-Nitrophenol	18.83	802	184136	44.01	UG/ML	100
46)	4-Nitrophenol	19.20	820	76405	18.26	UG/ML	100
47)	4-Nitroaniline	20.24	871	64542	48.69	UG/ML	92
48)	Diethyl phthalate	20.14	866	411089	45.35	UG/ML	90
49)	Fluorene	19.87	853	435229	48.02	UG/ML	97
49)	Fluorene	20.65	891	4199	.463	UG/ML	90
50)	4-Chlorophenyl phenyl ether	20.05	862	203881	48.19	UG/ML	91
51)	2,4,6-Tribromophenol (SURR)	20.65	891	53804	50.04	UG/ML	96
52)	*d10-Phenanthrene	22.58	986	249292	40.00	UG/ML	96
53)	4,6-Dinitro-o-cresol	20.34	876	56581	62.62	UG/ML	75
54)	N-Nitrosodiphenylamine	20.05	862	20417	4.48	UG/ML	71
54)	N-Nitrosodiphenylamine	20.48	883	222905	48.87	UG/ML	89
55)	4-Bromophenyl phenyl ether	21.46	931	103104	48.38	UG/ML	91

205

Operator ID: GM6356 Quant Rev: 7 Quant Time: 890620 15:30
Output File: AG7360::AQ Injected at: 890616 13:27
Data File: >G7360::U3 Dilution Factor: 1.00000
Name: BNA 6/15/89 G
Misc: BNA II BTL# 7

ID File: IDMAZ::US
Title: ACID/SURR, BN/SURR, PP/PST/PCB, IFB/ACID, IFB/BN, IFB/BNA
Last Calibration: 890620 12:53

	Compound	R.T.	Scan#	Area	Conc	Units	q
56)	Alpha-BHC	21.56	936	60099	46.55	UG/ML	90
56)	Alpha-BHC	22.32	973	30291	23.46	UG/ML	92
56)	Alpha-BHC	22.44	979	48290	37.41	UG/ML	92
57)	Hexachlorobenzene	21.73	944	113883	51.25	UG/ML	95
58)	Beta-BHC	21.56	936	60099	93.95	UG/ML	90
58)	Beta-BHC	22.32	973	30291	47.35	UG/ML	92
58)	Beta-BHC	22.44	979	48290	75.49	UG/ML	92
58)	Beta-BHC	23.07	1010	29895	46.73	UG/ML	94
58)	Beta-BHC	23.30	1021	3999	6.25	UG/ML	93
59)	Pentachlorophenol	22.36	975	70677	63.20	UG/ML	96
60)	Gamma-BHC	21.56	936	60099	57.92	UG/ML	90
60)	Gamma-BHC	22.32	973	30291	29.19	UG/ML	92
60)	Gamma-BHC	22.44	979	48290	46.54	UG/ML	92
60)	Gamma-BHC	23.07	1010	29895	28.81	UG/ML	94
60)	Gamma-BHC	23.30	1021	3999	3.85	UG/ML	93
61)	Delta-BHC	22.32	973	30291	48.08	UG/ML	98
61)	Delta-BHC	22.44	979	48290	76.64	UG/ML	99
61)	Delta-BHC	23.07	1010	29895	47.45	UG/ML	97
61)	Delta-BHC	23.30	1021	3999	6.35	UG/ML	96
62)	Phenanthrene	22.64	989	424829	50.29	UG/ML	99
62)	Phenanthrene	22.79	996	449146	53.17	UG/ML	98
63)	Anthracene	22.64	989	424829	49.68	UG/ML	98
63)	Anthracene	22.79	996	449146	52.52	UG/ML	97
64)	Heptachlor	24.25	1068	71622	57.18	UG/ML	79
65)	Di-n-butyl phthalate	25.01	1105	400779	52.36	UG/ML	95
66)	Aldrin	25.07	1108	30245	49.18	UG/ML	93
66)	Aldrin	26.07	1157	6764	11.00	UG/ML	96
67)	Fluoranthene	26.13	1160	265918	50.79	UG/ML	98
67)	Fluoranthene	26.72	1189	260699	49.79	UG/ML	98
68)	Heptachlor epoxide	26.07	1157	18110	57.25	UG/ML	90
69)	Chlordane	26.62	1184	2237	55.06	UG/ML	93
70)	Pyrene	26.13	1160	265918	52.08	UG/ML	97
70)	Pyrene	26.72	1189	260699	51.06	UG/ML	96
71)	Endosulfan I	26.90	1198	7672	49.77	UG/ML	100
72)	4,4'-DDE	27.56	1230	49098	48.75	UG/ML	95
73)	Dieldrin	27.51	1228	53297	53.59	UG/ML	96
74)	Endrin	27.51	1228	20310	107.70	UG/ML	74
74)	Endrin	28.00	1252	13596	72.10	UG/ML	93
75)	Endrin aldehyde	28.00	1252	7846	42.69	UG/ML	91
76)	Endosulfan II	28.23	1263	6020	47.01	UG/ML	94
77)	4,4'-DDD	28.49	1276	58570	49.23	UG/ML	98
77)	4,4'-DDD	29.35	1318	50490	42.44	UG/ML	98
78)	Endosulfan sulfate	29.21	1311	8572	49.77	UG/ML	94

Operator ID: GM6356 Quant Rev: 7 Quant Time: 890620 15:30
Output File: AG7360::AQ Injected at: 890616 13:27
Data File: >G7360::U3 Dilution Factor: 1.00000
Name: BNA 6/15/89 G
Misc: BNA II BTL# 7

ID File: IDMAZ::US
Title: ACID/SURR, BN/SURR, PP/PST/PCB, IFB/ACID, IFB/BN, IFB/BNA
Last Calibration: 890620 12:53

	Compound		R.T.	Scan#	Area	Conc	Units	q
79)	4,4'-DDT		28.49	1276	58570	64.39	UG/ML	96
79)	4,4'-DDT		29.35	1318	50490	55.51	UG/ML	95
81)	*d12-Chrysene		30.37	1368	77062	40.00	UG/ML	99
82)	Terphenyl-D14	(SURR)	27.54	1229	77222	45.76	UG/ML	97
83)	Butyl benzyl phthalate		29.31	1316	82539	44.70	UG/ML	98
84)	Benzo(a)anthracene		30.33	1366	51259	43.00	UG/ML	100
84)	Benzo(a)anthracene		30.45	1372	71177	59.71	UG/ML	100
85)	Chrysene		30.33	1366	51259	30.89	UG/ML	100
85)	Chrysene		30.45	1372	71177	42.89	UG/ML	100
86)	3,3'-Dichlorobenzidine		30.53	1376	20322	62.06	UG/ML	87
87)	bis(2-Ethylhexyl)phthalate		31.31	1414	104647	49.61	UG/ML	90
88)	*d12-Perylene		34.30	1561	62041	40.00	UG/ML	88
89)	Di-n-octyl phthalate		33.06	1500	163403	51.01	UG/ML	98
90)	Benzo(b)fluoranthene		33.36	1515	110157	49.90	UG/ML	89
90)	Benzo(b)fluoranthene		33.42	1518	76697	34.75	UG/ML	89
90)	Benzo(b)fluoranthene		34.16	1554	80885	36.64	UG/ML	90
91)	Benzo(k)fluoranthene		33.36	1515	110157	48.56	UG/ML	93
91)	Benzo(k)fluoranthene		33.42	1518	76697	33.81	UG/ML	93
91)	Benzo(k)fluoranthene		34.16	1554	80885	35.66	UG/ML	93
92)	Benzo(a)pyrene		33.36	1515	110157	65.94	UG/ML	91
92)	Benzo(a)pyrene		33.42	1518	76697	45.91	UG/ML	91
92)	Benzo(a)pyrene		34.16	1554	80885	48.41	UG/ML	92
93)	Indeno(1,2,3-c,d)pyrene		36.82	1685	189431	65.05	UG/ML	100
93)	Indeno(1,2,3-c,d)pyrene		36.90	1689	18571	6.38	UG/ML	100
93)	Indeno(1,2,3-c,d)pyrene		37.33	1710	91813	31.53	UG/ML	100
94)	Dibenzo(a,h)anthracene		36.82	1685	5630	8.37	UG/ML	100
94)	Dibenzo(a,h)anthracene		36.90	1689	56940	84.70	UG/ML	100
94)	Dibenzo(a,h)anthracene		37.33	1710	2562	3.81	UG/ML	100
95)	Benzo(ghi)perylene		36.82	1685	189431	144.02	UG/ML	100
95)	Benzo(ghi)perylene		36.90	1689	18571	14.12	UG/ML	100
95)	Benzo(ghi)perylene		37.33	1710	91813	69.80	UG/ML	100

* Compound is ISTD

8F

SEMIVOLATILE INTERNAL STANDARD AREA SUMMARY

Lab Name: EIC Corp. Contract: _____

Lab Code: Case No.: _____ SAS No.: SDG No.:

Lab File ID (Standard): 2E2521 Date Analyzed: 06/18/89

Instrument ID: GC/MS G Time Analyzed: 0819

	IS1 (DCB)		IS2 (NPT)		IS3 (ANT)	
	AREA #	RT	AREA #	RT	AREA #	RT
12 HOUR STD	583561	9.55	645583	13.26	221821	18.65
UPPER LIMIT	766721		1291166		445641	
LOWER LIMIT	191781		322691		111911	
EPA SAMPLE NO.						
01	568164	9.58	713546	13.26	245941	18.67
02	455559	9.58	782688	13.51	225965	18.69
03	451955	9.59	791261	13.51	262692	18.69
04	476158	9.58	811262	13.28	215228	18.69
05	414155	9.58	771185	13.28	218486	18.67
06	416881	9.59	781582	13.25	226989	18.66
07	562551	9.57	666154	13.29	186211	18.66
08						
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22						

IS1 (DCB) = 1,4-Dichlorobenzene-d4
IS2 (NPT) = Naphthalene-d8
IS3 (ANT) = Acenaphthene-d10

UPPER LIMIT = + 100% of internal standard area.
LOWER LIMIT = - 50% of internal standard area.

Column used to flag internal standard area values with an asterisk.

FORM VIII SV -1 1/87 Rev.

8C
SEMIVOLATILE INTERNAL STANDARD AREA SUMMARY

Lab Name: EIC Corp. Contract: ________

Lab Code: Case No.: ______ SAS No.: SDG No.:

Lab File ID (Standard): 262321 Date Analyzed: 06/08/89

Instrument ID: GC/MS G Time Analyzed: 0819

		IS4(PHN) AREA #	RT	IS5(CRY) AREA #	RT	IS6(PRY) AREA #	RT
	12 HOUR STD	1825900	23.01	51871	30.91	21754	34.88
	UPPER LIMIT	3651800		103742		43508	
	LOWER LIMIT	912950		25936		10877	
	EPA SAMPLE NO.						
01	WG7001BC	255566	23.06	87479	30.97	39634	34.97
02	BJ1630C	256526	23.07	56033	30.94	22614	34.89
03	BJ1630CS	202233	23.04	36933	30.91	21599	34.86
04	BJ1630CR	141800	23.04	24904*	30.93	8057*	34.88
05	CA0212C	123268	23.00	23941*	30.91	2828*	34.88
06	CA0212CS	229293	23.06	93303	30.91	26668*	34.89
07	CA0212CR	126306	23.01	50191	30.93	35206	34.89
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22							

IS4 (PHN) = Phenanthrene-d10
IS5 (CRY) = Naphthalene-d8
IS6 (PRY) = Perylene-d12

UPPER LIMIT = + 100% of internal standard area.
LOWER LIMIT = - 50% of internal standard area.

Column used to flag internal standard area values with an asterisk.

page [illegible] of [illegible]

8B
SEMIVOLATILE INTERNAL STANDARD AREA SUMMARY

Lab Name: ETC Corp. Contract: ____________

Lab Code: Case No.: ______ SAS No.: SDG No.:

Lab File ID (Standard): >B2360 Date Analyzed: 06/16/89

Instrument ID: GC/MS G Time Analyzed: 1322

	IS1(DCB) AREA #	RT	IS2(NPT) AREA #	RT	IS3(ANT) AREA #	RT
12 HOUR STD	440449	9.17	876477	12.88	317255	18.24
UPPER LIMIT	880898		1752954		634510	
LOWER LIMIT	220224		438239		158627	
EPA SAMPLE NO.						
01 BJ1630CR	518716	9.19	1161581	12.89	387852	18.23
02 CA0212C	491410	9.20	1150342	12.86	460083	18.22
03 CA0212CS	471858	9.14	1038277	12.83	433480	18.20
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21						
22						

IS1 (DCB) = 1,4-Dichlorobenzene-d4
IS2 (NPT) = Naphthalene-d8
IS3 (ANT) = Acenaphthene-d10

UPPER LIMIT = + 100% of internal standard area.
LOWER LIMIT = - 50% of internal standard area.

\# Column used to flag internal standard area values with an asterisk.

page 1 of 1

SEMIVOLATILE INTERNAL STANDARD AREA SUMMARY

Lab Name: ETC Corp. Contract: ________

Lab Code: Case No.: ______ SAS No.: SDG No.:

Lab File ID (Standard): 3B2360 Date Analyzed: 06/16/89

Instrument ID: GC/MS G Time Analyzed: 1522

		IS4(PHN) AREA #	RT	IS5(CRY) AREA #	RT	IS6(PRY) AREA #	RT
	12 HOUR STD	249292	22.58	77062	30.37	62041	34.30
	UPPER LIMIT	498584		154124		124082	
	LOWER LIMIT	124646		38531		31021	
	EPA SAMPLE NO.						
01	BJ1630CR	290133	22.54	92208	30.40	52904	34.31
02	CA82120	222636	22.55	46624	30.39	46946	30.39
03	CA02120S	336291	22.54	108768	30.35	22519	34.28
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20							
21							
22							

IS4 (PHN) = Phenanthrene-d10
IS5 (CRY) = Naphthalene-d8
IS6 (PRY) = Perylene-d12

UPPER LIMIT = + 100% of internal standard area.
LOWER LIMIT = - 50% of internal standard area.

Column used to flag internal standard area values with an asterisk.

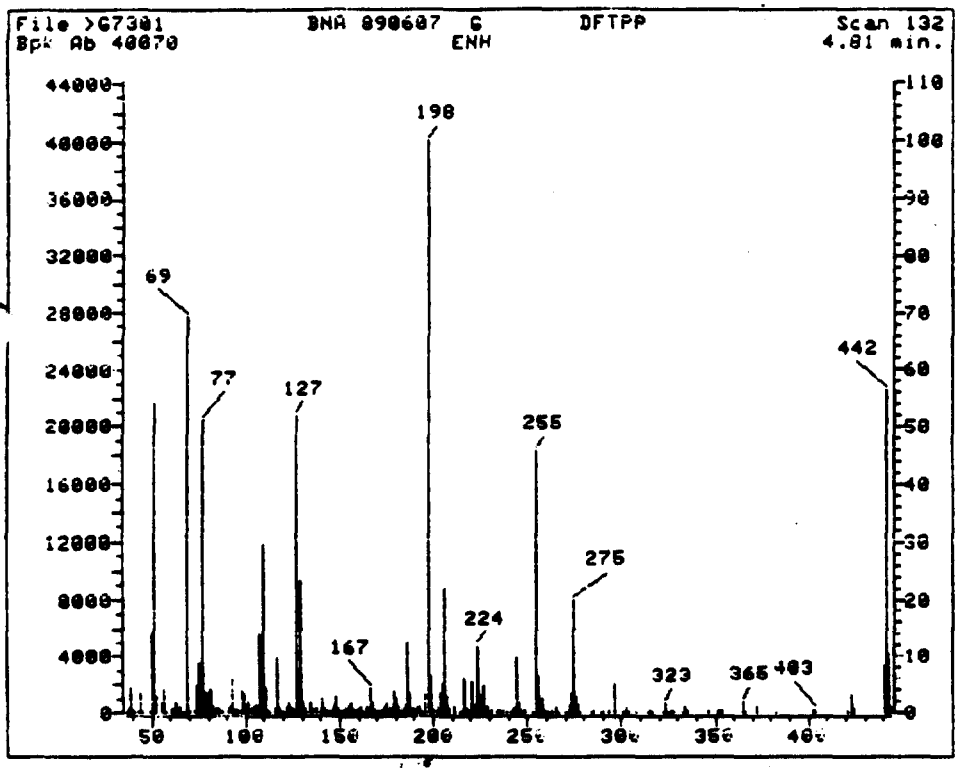
page 1 of 2

ETC

RAW QC DATA

S Data File: >G7301::U3

lame: BNA 890607 G Operator: GM6356 Date/Time: 6/07/89 15:57
isc: DFTPP BTL# 2



S Data File: >G7301::U3

lame: BNA 890607 G Operator: GM6356 Date/Time: 6/07/89 15:57
isc: DFTPP BTL# 2

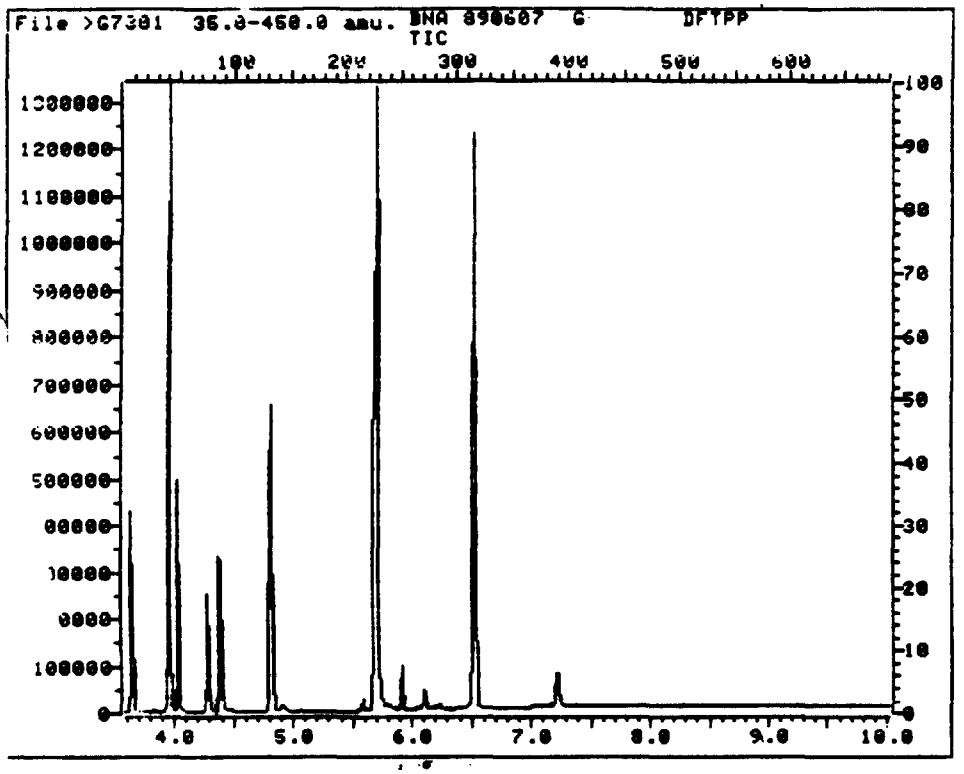
G7301 BNA 890607 G DFTPP
132 NRM ENH

ile: >G7301 Scan #: 132 Retn. time: 4.81

m/z	Int.	m/z	Int.	m/z	Int.	m/z	Int.	m/z	Int.
36.90	.143	99.95	.462	153.90	.653	203.95	3.237	271.90	.1[illegible]
38.00	.543	100.95	2.116	155.00	1.288	204.95	5.144	273.00	1.452
39.00	4.493	102.95	.612	156.00	1.860	205.95	21.754	274.00	3.2[illegible]
40.00	.440	103.95	1.180	157.00	.352	206.95	2.798	274.90	19.683
40.80	.198	104.95	1.252	157.90	.374	207.95	.663	276.00	2.6[illegible]
42.90	.342	105.95	.369	158.90	.244	211.05	.885	277.00	1.464
43.90	3.519	106.95	14.169	160.00	.669	214.85	.175	278.00	.1[illegible]
44.90	.058	107.95	2.072	161.00	1.112	215.95	.468	283.80	.037
48.90	.367	109.95	29.681	161.80	.339	216.95	6.134	285.00	.28[illegible]
50.00	14.221	110.95	4.402	162.00	.141	217.95	.660	289.00	.058
51.00	53.977	111.95	.502	165.00	.973	218.85	.497	290.10	.05[illegible]
52.00	2.683	112.95	.121	166.00	.641	220.95	5.470	293.00	.294
55.00	.496	115.95	.779	167.00	4.304	221.65	.476	296.00	5.1[illegible]
55.90	1.846	116.95	9.924	167.90	1.754	222.95	1.270	296.90	.687
57.00	4.090	117.95	.694	168.90	.321	223.95	11.888	301.00	.0[illegible]
58.00	.167	118.85	.062	170.10	.057	224.95	2.916	301.90	.029
60.90	.621	119.95	.108	171.00	.075	226.05	.181	303.00	.54[illegible]
62.00	.661	121.95	.914	172.00	.372	226.95	4.776	304.00	.065
62.90	2.115	122.95	1.583	173.00	.524	227.95	.638	307.85	.03[illegible]
64.00	.332	123.95	.632	174.00	.936	228.95	1.060	313.95	.200
65.00	1.009	124.85	.672	175.00	1.651	230.05	.046	314.95	.4[illegible]
67.10	.103	125.95	.088	176.00	.491	230.85	.497	315.95	.205
68.90	69.048	126.95	51.810	176.90	.829	233.85	.223	321.95	.03[illegible]
70.00	.226	127.95	3.819	178.00	.186	234.95	.289	323.05	1.584
73.00	.304	128.95	23.299	179.00	3.655	236.05	.118	324.05	.195
74.00	4.901	129.95	1.915	180.00	2.294	237.05	.249	326.95	.325
75.00	8.606	130.95	.753	180.90	1.105	239.05	.065	328.05	.09[illegible]
76.00	2.567	131.85	.085	181.90	.065	241.05	.184	332.95	.097
77.00	50.991	132.75	.029	183.00	.057	241.95	.611	334.05	.9[illegible]
78.00	3.239	133.95	.561	183.90	.247	243.05	.574	334.95	.245
79.00	3.441	134.95	1.609	185.00	1.542	244.05	9.649	345.95	.3[illegible]
80.00	2.823	135.95	.591	186.00	12.352	245.05	1.255	351.95	.414
81.00	4.137	137.05	.675	187.00	3.354	245.95	1.685	353.05	.25[illegible]
82.00	1.076	137.75	.106	188.00	.254	247.05	.327	354.05	.442
83.00	1.045	139.90	.181	189.00	.736	248.85	.351	364.90	2.01[illegible]
84.95	.647	140.90	2.500	190.00	.050	252.90	.055	365.90	.186
85.95	.893	142.00	.806	191.00	.369	255.00	45.583	372.00	.9[illegible]
86.95	.438	142.90	.502	192.00	1.085	256.00	6.444	382.90	.178
87.95	.095	143.80	.053	193.00	1.035	257.00	.459	402.00	.28[illegible]
90.95	.821	144.90	.084	194.00	.142	257.90	2.359	403.00	.505
91.95	.894	146.00	.311	194.95	.126	259.00	.277	420.95	.38[illegible]
92.95	5.787	146.90	1.209	195.95	3.043	259.90	.029	423.05	3.081
93.85	.345	147.90	2.559	197.95	100.000	260.90	.030	424.05	.5[illegible]
94.95	.209	148.90	.652	198.95	6.436	263.70	.210	441.05	8.314
95.95	.166	151.00	.316	199.95	.447	264.90	1.023	442.05	56.3[illegible]
97.05	.134	151.70	.133	201.55	.483	265.90	.136	443.05	10.604

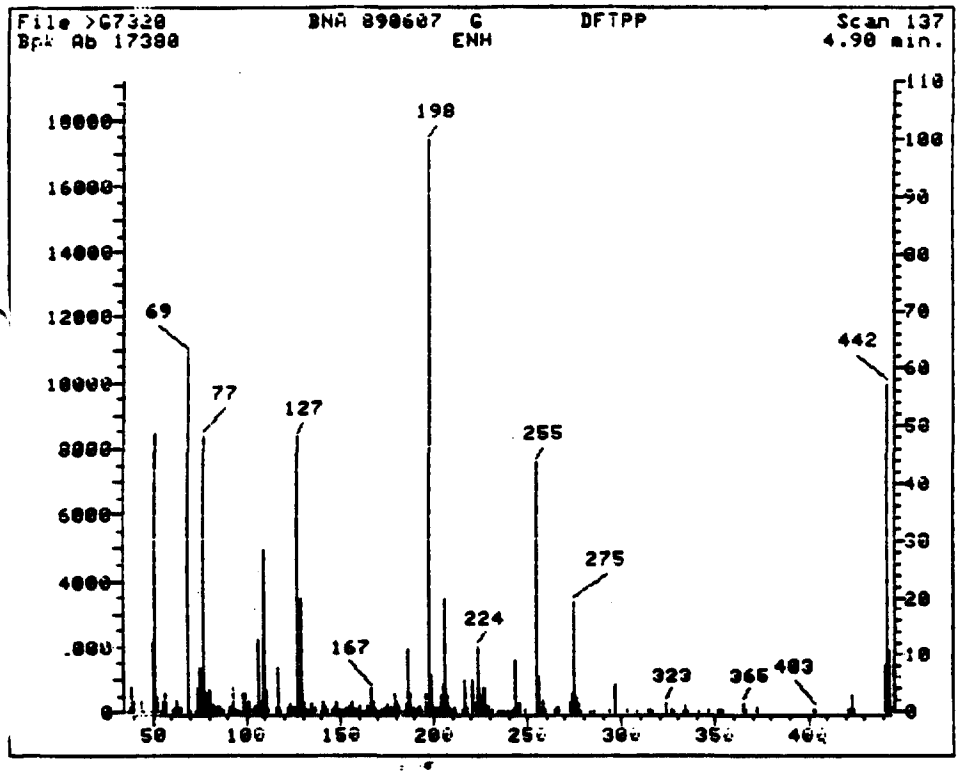
IS Data File: >G7301::U3

Name: BNA 890607 G Operator: GM6356 Date/Time: 6/07/89 15:57
Misc: DFTPP BTL# 2



IS Data File: >G7320::U3

Name: BNA 890607 G Operator: SC4660 Date/Time: 6/08/89 7:58
Misc: DFTPP BTL# 2



5 Data File: >G7320::U3

ame: BNA 890607 G Operator: SC4660 Date/Time: 6/08/89 7:58
esc: DFTPP BTL# 2

G7320 BNA 890607 G DFTPP
137 NRM ENH

ile: >G7320 Scan #: 137 Retn. time: 4.90

m/z	Int.	m/z	Int.	m/z	Int.	m/z	Int.	m/z	Int.
36.90	.120	97.95	3.129	151.10	.207	203.05	.295	273.00	1.6[illegible]
38.00	.578	98.95	2.914	153.00	.598	203.95	2.789	274.10	3.094
39.00	4.293	99.95	.122	153.90	.483	205.05	4.861	275.10	19.2[illegible]
[illegible]9.90	1.629	100.95	1.797	155.00	1.058	206.05	19.956	276.10	2.537
[illegible]4.00	2.028	102.95	.461	156.00	1.703	207.05	2.684	277.00	1.3[illegible]
44.90	.083	103.95	1.069	157.00	.372	208.05	.557	278.10	.182
48.90	.420	104.95	1.000	157.90	.348	209.05	.124	283.00	.13[illegible]
50.00	12.336	105.95	.217	159.00	.193	210.25	.253	285.10	.153
51.00	48.728	106.95	12.786	160.00	.547	211.05	.841	293.10	.344
52.00	2.505	107.95	1.810	161.00	1.017	215.95	.260	296.10	4.734
54.90	.125	108.95	.265	162.10	.169	216.95	5.252	297.10	.5[illegible]
55.90	1.567	110.05	28.693	164.90	.901	218.05	.735	303.20	.490
56.90	3.269	110.95	3.842	165.90	.442	221.05	5.414	308.05	.0[illegible]
61.00	.527	112.05	.310	167.00	3.956	222.95	1.228	314.15	.281
62.00	.623	116.05	.591	168.00	1.827	224.05	11.525	315.05	.4[illegible]
63.00	1.900	116.95	7.655	169.00	.273	225.05	2.763	316.15	.176
65.00	.639	117.95	.371	169.90	.104	226.15	.142	323.15	1.4[illegible]
68.90	62.660	122.05	.629	171.90	.235	227.05	3.953	324.05	.275
70.00	.150	122.95	1.442	172.90	.377	227.95	.547	327.05	.3[illegible]
72.80	.198	124.05	.601	174.00	.818	229.05	.900	328.05	.192
73.00	.136	124.95	.566	175.10	1.521	231.05	.252	333.15	.1[illegible]
74.00	4.148	127.05	48.013	176.10	.321	233.95	.167	334.15	.913
[illegible]5.00	7.705	128.05	3.403	177.00	.612	235.05	.197	334.95	.1[illegible]
76.00	2.238	129.05	19.808	179.00	3.021	235.95	.127	341.05	.191
77.00	48.154	130.05	1.715	180.00	1.932	237.05	.174	346.15	.3[illegible]
78.10	2.896	130.95	.272	181.10	1.053	238.95	.070	352.15	.418
79.00	3.086	131.95	.170	182.10	.084	241.05	.160	353.15	.3[illegible]
80.00	2.459	133.95	.522	184.00	.109	242.05	.506	354.05	.399
80.90	3.613	134.95	1.421	185.10	1.437	243.05	.518	365.10	1.54[illegible]
81.90	.985	136.05	.498	186.10	11.098	244.05	9.224	366.10	.244
83.00	.891	137.05	.708	187.00	3.111	245.15	1.216	372.20	.8[illegible]
84.95	.647	139.90	.139	189.10	.641	246.05	1.435	402.10	.290
85.95	.937	140.90	2.046	191.10	.307	249.05	.229	403.10	.4[illegible]
86.95	.404	142.00	.932	192.10	.734	255.00	43.575	421.15	.374
87.95	.117	142.90	.265	193.00	.884	256.00	6.192	422.25	.3[illegible]
90.95	.764	146.00	.224	194.00	.125	257.10	.427	423.15	2.881
91.95	.717	147.00	1.012	196.05	3.044	258.00	2.211	424.15	.5[illegible]
92.95	4.839	148.00	2.097	197.95	100.000	259.00	.213	441.15	8.241
93.95	.376	148.90	.479	198.95	6.299	263.90	.390	442.15	57.1[illegible]
94.95	.075	149.80	.072	199.95	.541	265.10	.826	443.15	10.859
95.95	.205	150.10	.068	201.55	.635	266.00	.707	444.25	.8[illegible]

MS Data File: >G7320::U3

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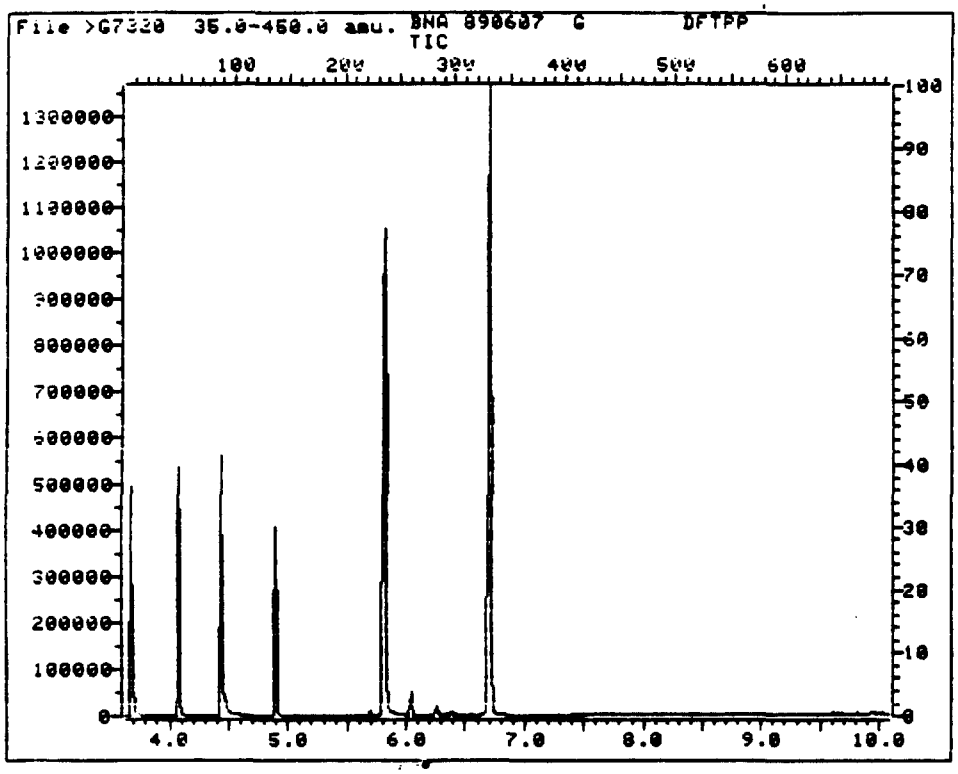
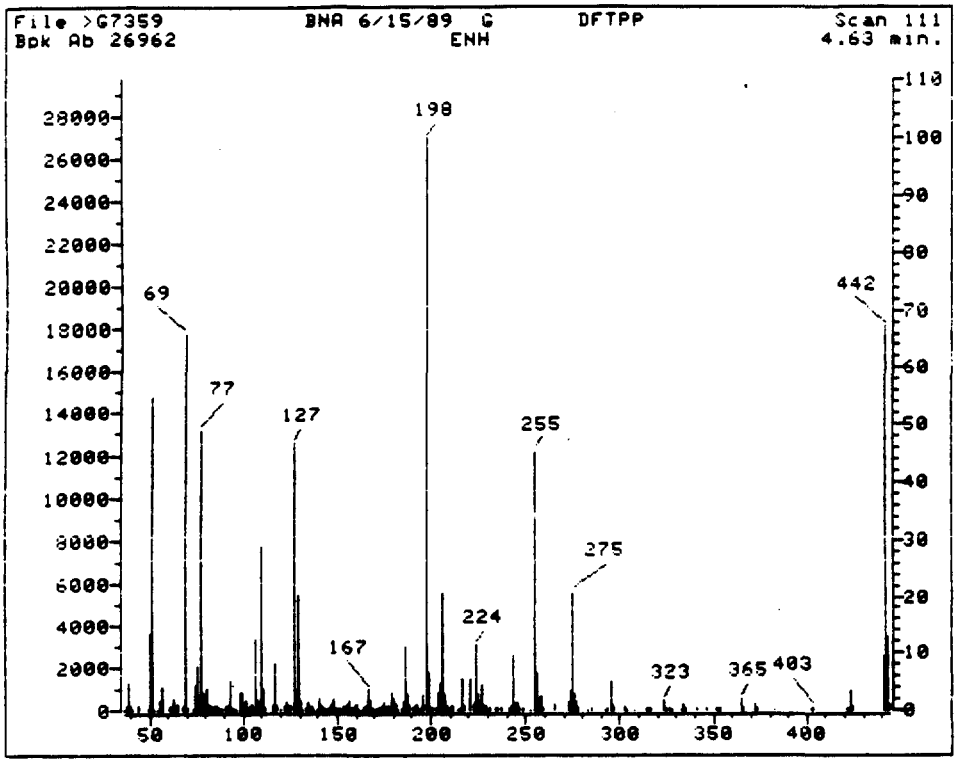
Misc: DFTPP BTL# 2



MS Data File: >G7359::U3

Name: BNA 6/15/89 G Operator: RL9134 Date/Time: 6/16/89 13:03
Misc: DFTPP BTL# 2



MS Data File: >G7359::U3

Name: BNA 6/15/89 G Operator: RL9134 Date/Time: 6/16/89 13:03
Misc: DFTPP BTL# 2

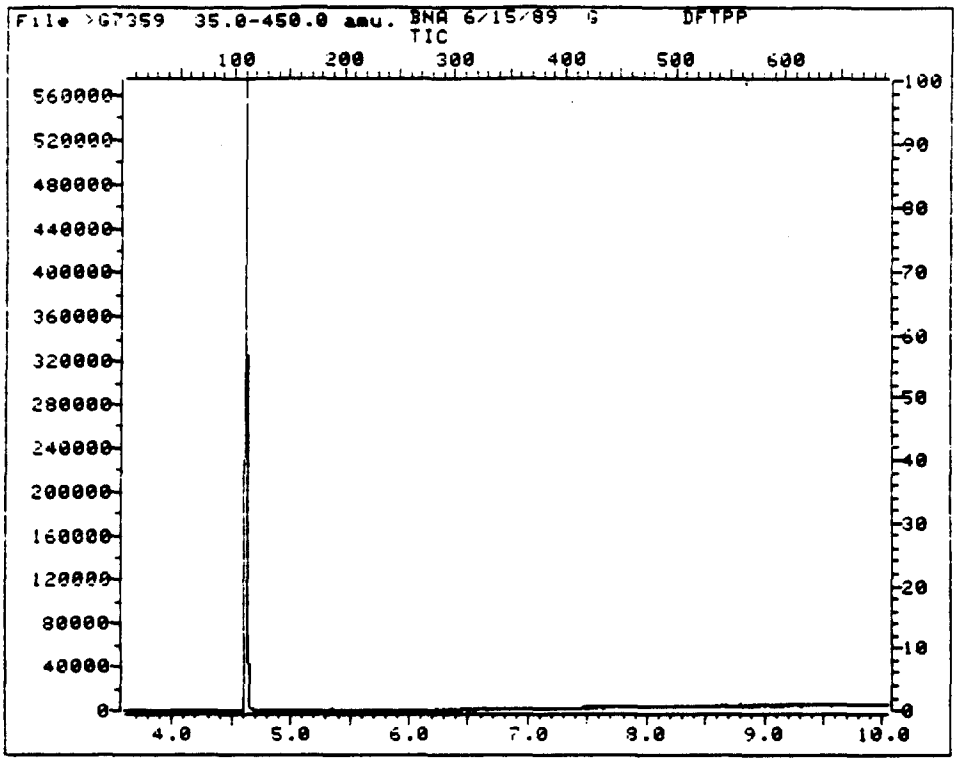
>G7359 BNA 6/15/89 G DFTPP
111 NRM ENH

File: >G7359 Scan #: 111 Retn. time: 4.63

m/z	Int.	m/z	Int.	m/z	Int.	m/z	Int.	m/z	Int.
37.10	.145	99.00	2.955	152.95	.669	201.45	.411	273.95	3.443
38.10	.601	100.10	.284	154.00	.496	202.85	.455	274.95	20.628
39.00	4.874	101.00	1.859	154.90	1.126	203.95	2.917	275.95	2.754
40.00	.853	103.00	.571	156.00	1.648	204.95	4.777	276.95	1.433
41.00	.073	104.00	1.136	157.00	.351	205.95	20.485	277.95	.226
44.00	.685	104.90	1.017	157.80	.220	206.95	2.736	282.95	.195
49.10	.415	106.00	.194	158.90	.277	207.95	.603	284.95	.243
50.00	13.420	107.00	12.515	159.90	.599	208.95	.103	292.00	.050
51.10	54.609	108.00	1.797	160.90	1.047	210.15	.207	293.00	.317
52.05	2.523	110.00	28.720	161.90	.192	210.85	.764	295.90	4.915
52.95	.085	111.00	3.722	164.00	.119	214.85	.185	296.80	.590
54.95	.187	112.00	.429	164.90	.728	215.95	.397	303.00	.551
55.95	1.617	116.00	.677	165.90	.553	216.95	5.494	303.90	.149
56.95	3.961	117.00	8.094	167.00	3.665	217.95	.634	307.80	.044
61.05	.569	118.00	.640	168.00	1.666	220.95	5.531	313.90	.224
62.05	.654	119.95	.088	168.90	.280	222.90	1.159	314.90	.430
62.95	2.015	121.95	.786	170.00	.092	224.00	11.383	316.00	.276
63.95	.271	122.95	1.309	170.70	.168	225.00	2.791	323.00	1.689
64.95	.914	123.95	.629	171.90	.368	225.90	.243	324.00	.298
67.95	.751	124.95	.572	173.00	.435	226.90	4.356	326.85	.264
68.95	65.784	126.95	46.641	174.00	.829	228.00	.563	327.85	.054
70.05	.208	128.05	3.371	175.00	1.404	228.90	.814	332.95	.155
72.95	.177	128.95	20.107	176.00	.454	229.90	.077	333.95	.973
74.05	4.535	129.95	1.610	177.00	.719	231.00	.360	334.85	.235
75.05	7.844	130.95	.199	177.90	.265	233.80	.248	340.95	.211
76.05	2.290	131.95	.084	179.00	3.122	235.00	.289	345.85	.301
77.05	48.862	133.95	.413	180.00	1.969	236.90	.326	351.95	.476
78.05	3.206	134.95	1.397	180.90	.922	241.00	.217	352.95	.320
78.95	3.077	135.95	.498	182.00	.078	242.00	.533	353.95	.462
80.05	2.420	136.95	.585	184.00	.172	243.00	.541	364.90	1.939
81.05	3.863	137.85	.094	185.00	1.378	244.00	9.527	365.80	.309
81.95	.855	139.95	.093	186.00	11.136	245.00	1.156	371.90	.889
83.05	.802	140.95	2.168	187.00	2.891	246.00	1.457	373.00	.211
85.05	.594	141.95	.610	187.95	.253	246.90	.266	382.80	.201
85.90	.848	142.85	.500	188.95	.562	248.90	.307	401.85	.292
87.00	.417	144.05	.061	190.95	.289	253.00	.145	402.85	.463
88.00	.090	144.95	.079	191.95	.862	255.00	45.176	420.85	.504
88.80	.042	145.95	.294	192.95	.954	256.00	6.255	421.95	.398
90.90	.674	146.95	.967	193.95	.175	256.95	.412	422.95	3.451
91.90	.840	147.95	2.167	194.95	.088	257.95	2.244	423.95	.670
92.90	4.942	149.05	.388	195.95	2.756	258.85	.320	440.90	9.491
94.00	.292	149.75	.057	197.95	100.000	264.95	.875	441.90	67.157
95.00	.057	150.05	.064	198.95	6.564	265.75	.071	442.90	12.868
96.00	.105	151.15	.271	199.95	.412	272.95	1.257	443.90	1.079
98.00	3.182	151.65	.162						

MS Data File: >G7359::U3

Name: BNA 6/15/89 G Operator: RL9134 Date/Time: 6/16/89 13:03
Misc: DFTPP BTL# 2



SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

Lab Name: ETC Corp. Contract: _____

Lab Code: Case No.: _____ SAS No.: SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: QC70018

Sample wt/vol: 30 (g/ml.) G Lab File ID: >G7322

Level: (low/med) LOW Date Received: 05/19/89

% Moisture: not dec. dec. Date Extracted: 05/19/89

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 06/02/89

GPC Cleanup: (Y/N) N pH: Dilution Factor: 10

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	3300	U
111-44-4	bis(2-Chloroethyl)ether	3300	U
95-57-8	2-Chlorophenol	3300	U
541-73-1	1,3-Dichlorobenzene	3300	U
106-46-7	1,4-Dichlorobenzene	3300	U
100-51-6	Benzyl alcohol	3300	U
95-50-1	1,2-Dichlorobenzene	3300	U
95-48-7	2-Methylphenol	3300	U
108-60-1	bis(2-Chloroisopropyl)ether	3300	U
106-44-5	4-Methylphenol	3300	U
621-64-7	N-Nitroso-di-n-propylamine	3300	U
67-72-1	Hexachloroethane	3300	U
98-95-3	Nitrobenzene	3300	U
78-59-1	Isophorone	3300	U
88-75-5	2-Nitrophenol	3300	U
105-67-9	2,4-Dimethylphenol	3300	U
65-85-0	Benzoic acid	17000	U
111-91-1	bis(2-Chloroethoxy)methane	3300	U
120-83-2	2,4-Dichlorophenol	3300	U
120-82-1	1,2,4-Trichlorobenzene	3300	U
91-20-3	Naphthalene	3300	U
106-47-8	4-Chloroaniline	3300	U
87-68-3	Hexachlorobutadiene	3300	U
59-50-7	4-Chloro-3-methylphenol	3300	U
91-57-6	2-Methylnaphthalene	3300	U
77-47-4	Hexachlorocyclopentadiene	3300	U
88-06-2	2,4,6-Trichlorophenol	3300	U
95-95-4	2,4,5-Trichlorophenol	17000	U
91-58-7	2-Chloronaphthalene	3300	U
88-74-4	2-Nitroaniline	17000	U
131-11-3	Dimethylphthalate	3300	U
208-96-8	Acenaphthylene	3300	U
606-20-2	2,6-Dinitrotoluene	3300	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

Lab Name: ETC Corp Contract:

Lab Code: Case No.: SAS No.: SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: QC70018

Sample wt/vol: 30 (g/mL) G Lab File ID: 7G7322

Level: (low/med) LOW Date Received: 05/19/89

% Moisture: not dec. dec. Date Extracted: 05/19/89

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 06/08/89

GPC Cleanup: (Y/N) N pH: Dilution Factor: 10

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
99-09-2	3-Nitroaniline	17000	U
83-32-9	Acenaphthene	3300	U
51-28-5	2,4-Dinitrophenol	17000	U
100-02-7	4-Nitrophenol	17000	U
132-64-9	Dibenzofuran	3300	U
121-14-2	2,4-Dinitrotoluene	3300	U
84-66-2	Diethylphthalate	3300	U
7005-72-3	4-Chlorophenyl-phenylether	3300	U
86-73-7	Fluorene	3300	U
100-01-6	4-Nitroaniline	17000	U
534-52-1	4,6-Dinitro-2-methylphenol	17000	U
86-30-6	N-Nitrosodiphenylamine (1)	3300	U
101-55-3	4-Bromophenyl-phenylether	3300	U
118-74-1	Hexachlorobenzene	3300	U
87-86-5	Pentachlorophenol	17000	U
85-01-8	Phenanthrene	3300	U
120-12-7	Anthracene	3300	U
84-74-2	Di-n-butylphthalate	3300	U
206-44-0	Fluoranthene	3300	U
129-00-0	Pyrene	3300	U
85-68-7	Butylbenzylphthalate	3300	U
91-94-1	3,3'-Dichlorobenzidine	6600	U
56-55-3	Benzo(a)anthracene	3300	U
218-01-9	Chrysene	3300	U
117-81-7	bis(2-Ethylhexyl)phthalate	3300	U
117-84-0	Di-n-octylphthalate	3300	U
205-99-2	Benzo(b)fluoranthene	3300	U
207-08-9	Benzo(k)fluoranthene	3300	U
50-32-8	Benzo(a)pyrene	3300	U
193-39-5	Indeno(1,2,3-cd)pyrene	3300	U
53-70-3	Dibenz(a,h)anthracene	3300	U
191-24-2	Benzo(g,h,i)perylene	3300	U

(1) - Cannot be separated from Diphenylamine

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: ETC Corp Contract:

Lab Code: Case No.: SAS No.: SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: QC70018

Sample wt/vol: 30 (g/mL) G Lab File ID: >G7322

Level: (low/med) LOW Date Received: 05/30/89

% Moisture: not dec. dec. Date Extracted: ~~06/08/89~~ 05/31/89

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 06/08/89 (CN) 6-22-89

GPC Cleanup: (Y/N) N pH: Dilution Factor: 1

Number TICs found: 4 CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		Alkane	5.16	5500	J
2.		2-Pentanone - methyl	303	5300	J
3.		Alkane	4.98	4200	J
4.		Acetone dimer	5.47	3700	J
5.					
6.					
7.					
8.					
9.					
10.					
11.					
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27.					
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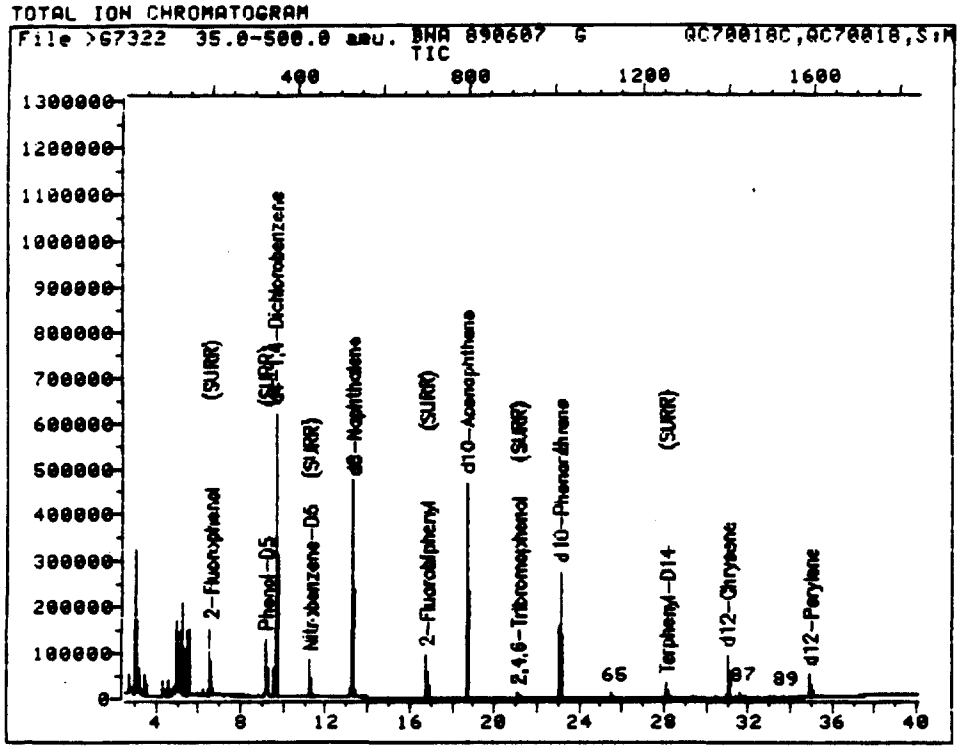
29.					
30.					

TOTAL ION CHROMATOGRAM



Data File: >G7322::U3 Quant Output File: AG7322::AQ
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Misc: QC70018C,QC70018,S:M4,30.00,10 BTL#20

Id File: IDMAZ::US
Title: ACID/SURR, BN/SURR, PP/PST/PCB, IFB/ACID, IFB/BN, IFB/BNA
Last Calibration: 890620 12:53

Operator ID: SC4660
Quant Time: 890620 12:54
Injected at: 890608 09:10

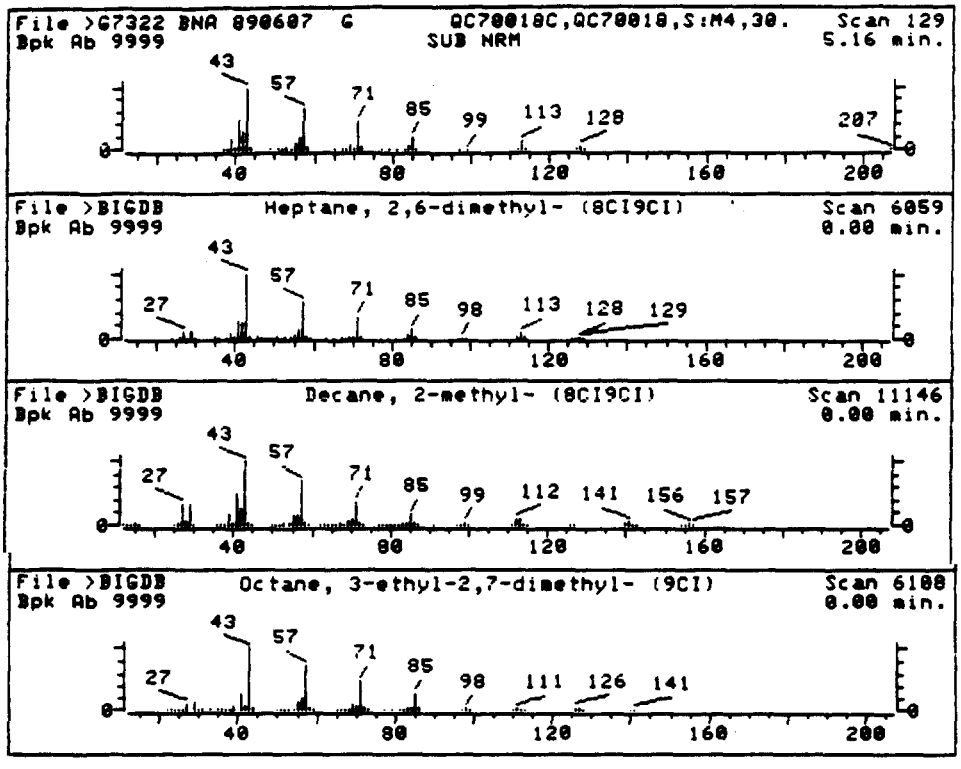
Operator ID: SC4660 Quant Rev: 7 Quant Time: 890620 12:54
Output File: AG7322::AQ Injected at: 890608 09:10
Data File: >G7322::U3 Dilution Factor: 1.00000
Name: BNA 890607 G
Misc: QC70018C,QC70018,S:M4,30.00,10 BTL#20

ID File: IDMAZ::US
Title: ACID/SURR, BN/SURR, PP/PST/PCB, IFB/ACID, IFB/BN, IFB/BNA
Last Calibration: 890620 12:53

	Compound		R.T.	Scan#	Area	Conc	Units	q
1)	*d4-1,4-Dichlorobenzene		9.58	346	368064	40.00	UG/ML	92
2)	2-Fluorophenol	(SURR)	6.53	196	88751	14.31	UG/ML	94
4)	Phenol-D5	(SURR)	9.15	325	89893	15.29	UG/ML	94
16)	*d8-Naphthalene		13.26	527	717346	40.00	UG/ML	93
17)	Nitrobenzene-D5	(SURR)	11.23	427	56486M	12.76	UG/ML	93
31)	*d10-Acenaphthene		18.67	793	243941	40.00	UG/ML	93
35)	2-Fluorobiphenyl	(SURR)	16.78	700	47755M	10.03	UG/ML	99
51)	2,4,6-Tribromophenol	(SURR)	21.09	912	4183	5.06	UG/ML	98
52)	*d10-Phenanthrene		23.06	1009	253566	40.00	UG/ML	98
65)	Di-n-butyl phthalate		25.48	1128	15449	~~1.98~~	~~UG/ML~~	95
81)	*d12-Chrysene		30.97	1398	87479	40.00	UG/ML	97
82)	Terphenyl-D14	(SURR)	28.09	1256	13770M	7.19	UG/ML	92
87)	bis(2-Ethylhexyl)phthalate		31.59	1428	7842	~~3.27~~	~~UG/ML~~	92
88)	*d12-Perylene		34.92	1592	39634M	40.00	UG/ML	98
89)	Di-n-octyl phthalate		33.60	1527	5313	2.60	UG/ML	98

* Compound is ISTD

CA
6-21-89

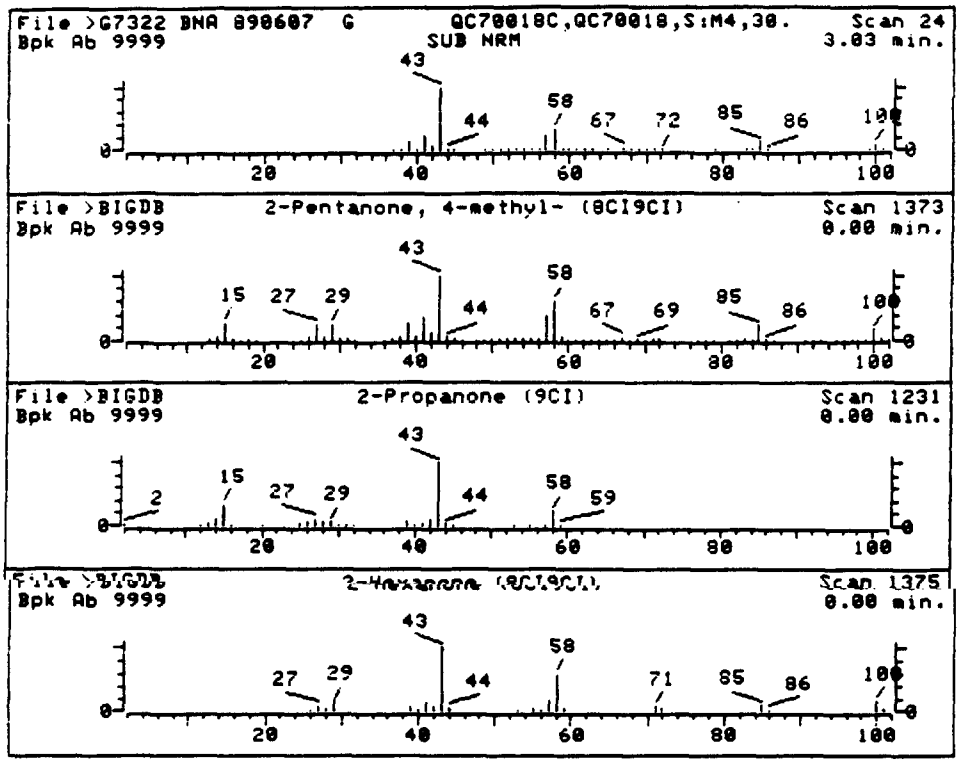


Data File: >G7322::U3
Name: BNA 890607 G
Misc Data: QC70018C,QC70018,S:M4,30.00,10 BTL#20
RT (min): 5.16
Scan: 129
Area: 579539 Rank: 1
Semi-quantitative Conc (uncorrected): 16.57 UG/ML
Semi-quantitative Conc (corrected): 5523.06 ug/kg
Calculated using Istd: d4-1,4-Dichlorobenzene @ 9.58 minutes

1.	Heptane, 2,6-dimethyl- (8CI9CI)	128 C9H20
2.	Decane, 2-methyl- (8CI9CI)	156 C11H24
3.	Octane, 3-ethyl-2,7-dimethyl- (9CI)	170 C12H26

Sample file: >G7322 Spectrum #: 129
Search speed: 2 Tilting option: S No. of ion ranges searched: 50

	Prob.	CAS #	CON #	ROOT	K	DK	#FLG	TILT	%	CON	C_I	R_IV
1.	89*	1072055	6059	"BIGDB	69	23	0	0	100	8	62	86
2.	52	6975980	11146	"BIGDB	60	40	2	0	92	16	20	17
3.	47	62183555	6108	"BIGDB	53	38	2	0	70	21	17	18

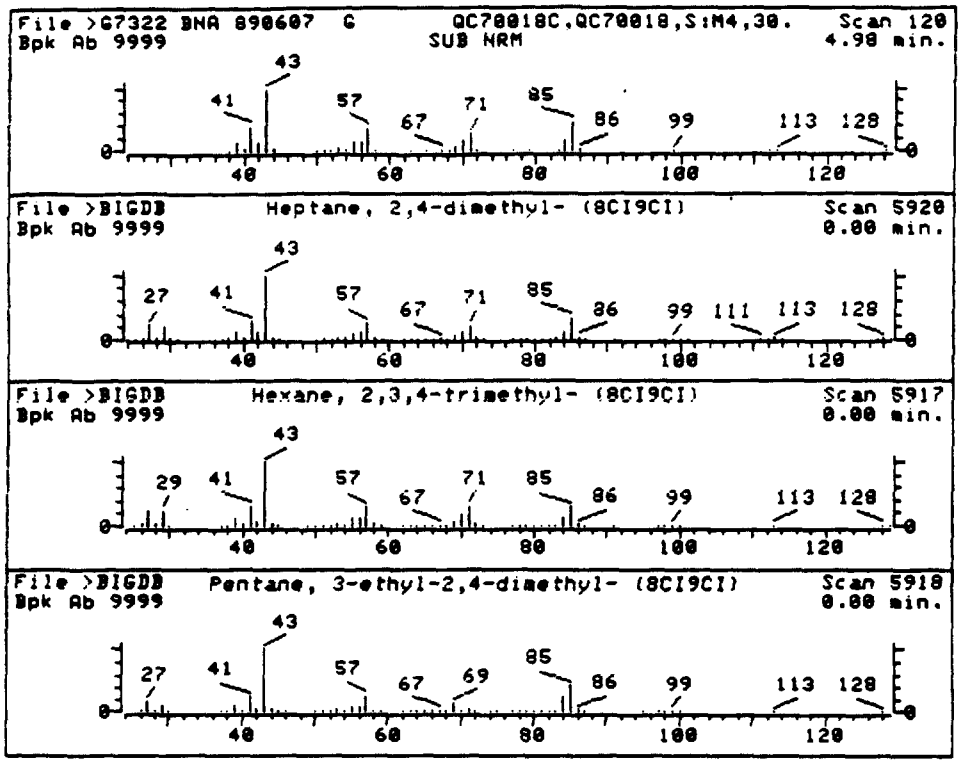


Data File: >G7322::U3
Name: BNA 890607 G
Misc Data: QC70018C,QC70018,S:M4,30.00,10 BTL#20
RT (min): 3.03
Scan: 24
Area: 554840 Rank: 2
Semi-quantitative Conc (uncorrected): 15.86 UG/ML
Semi-quantitative Conc (corrected): 5287.68 ug/kg
Calculated using Istd: d4-1,4-Dichlorobenzene @ 9.58 minutes

1.	2-Pentanone, 4-methyl- (8CI9CI)	100	C6H12O
2.	2-Propanone (9CI)	58	C3H6O
3.	2-Hexanone (8CI9CI)	100	C6H12O

Sample file: >G7322 Spectrum #: 24
Search speed: 2 Tilting option: S No. of ion ranges searched: 46

	Prob.	CAS #	CON #	ROOT	K	DK	#FLG	TILT	%	CON	C_I	R_IV
1.	50*	108101	1373	"BIGDB	44	36	0	0	35	47	14	60
2.	38*	67641	1231	"BIGDB	21	50	0	0	93	30	14	15
3.	28*	591786	1375	"BIGDB	30	38	1	0	45	42	8	16

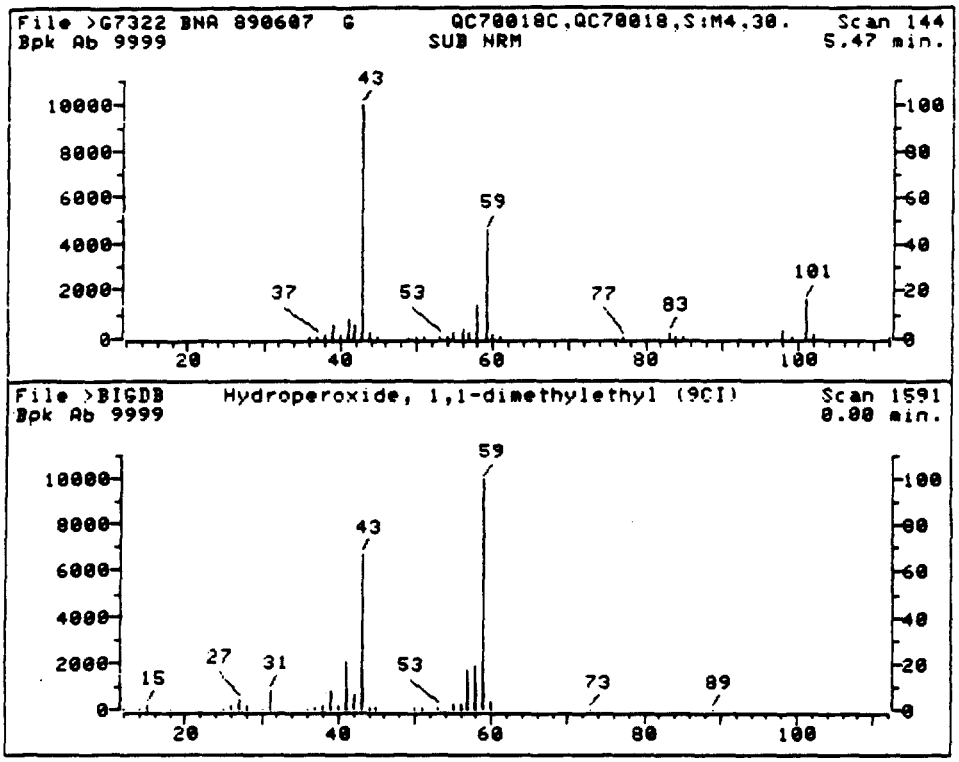


Data File: >G7322::U3
Name: BNA 890607 G
Misc Data: QC70018C,QC70018,S:M4,30.00,10 BTL#20
RT (min): 4.98
Scan: 120
Area: 445240 Rank: 3
Semi-quantitative Conc (uncorrected): 12.73 UG/ML
Semi-quantitative Conc (corrected): 4243.18 ug/kg
Calculated using Istd: d4-1,4-Dichlorobenzene @ 9.58 minutes

1. Heptane, 2,4-dimethyl- (8CI9CI) 128 C9H20
2. Hexane, 2,3,4-trimethyl- (8CI9CI) 128 C9H20
3. Pentane, 3-ethyl-2,4-dimethyl- (8CI9CI) 128 C9H20

Sample file: >G7322 Spectrum #: 120
Search speed: 2 Tilting option: S No. of ion ranges searched: 47

	Prob.	CAS #	CON #	ROOT	K	DK	#FLG	TILT	%	CON	C_I	R_IV
1.	96*	2213232	5920	"BIGDB	76	16	0	0	100	1	72	94
2.	83*	921471	5917	"BIGDB	58	32	0	0	85	12	51	71
3.	58*	1068877	5918	"BIGDB	43	40	2	0	100	20	25	23



Data File: >G7322::U3
Name: BNA 890607 G
Misc Data: QC70018C,QC70018,S:M4,30.00,10 BTL#20
RT (min): 5.47
Scan: 144
Area: 391468 Rank: 4
Semi-quantitative Conc (uncorrected): 11.19 UG/ML
Semi-quantitative Conc (corrected): 3730.73 ug/kg
Calculated using Istd: d4-1,4-Dichlorobenzene @ 9.58 minutes

1. Hydroperoxide, 1,1-dimethylethyl (9CI) 90 C4H10O2

Sample file: >G7322 Spectrum #: 144
Search speed: 2 Tilting option: S No. of ion ranges searched: 45

	Prob.	CAS #	CON #	ROOT	K	DK	#FLG	TILT	%	CON	C_I	R_IV
1.	20	75912	1591	"BIGDB	35	30	1	0	38	51	5	13

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

-A SAMPLE NO.

Lab Name: ETC Corp. Contract:

Lab Code: Case No.: SAS No.: SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: CA0212CS

Sample wt/vol: 30.01 (g/ml.) G Lab File ID: >G7366

Level: (low/med) LOW Date Received: 05/13/89

% Moisture: not dec. 8 dec. Date Extracted: 05/19/89

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 06/16/89

GPC Cleanup: (Y/N) N pH: Dilution Factor: 10

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol		
111-44-4	bis(2-Chloroethyl)ether	3600	U
95-57-8	2-Chlorophenol		
541-73-1	1,3-Dichlorobenzene	3600	U
106-46-7	1,4-Dichlorobenzene		
100-51-6	Benzyl alcohol	3600	U
95-50-1	1,2-Dichlorobenzene	3600	U
95-48-7	2-Methylphenol	3600	U
108-60-1	bis(2-Chloroisopropyl)ether	3600	U
106-44-5	4-Methylphenol	3600	U
621-64-7	N-Nitroso-di-n-propylamine		
67-72-1	Hexachloroethane	3600	U
98-95-3	Nitrobenzene	3600	U
78-59-1	Isophorone	3600	U
88-75-5	2-Nitrophenol	3600	U
105-67-9	2,4-Dimethylphenol	3600	U
65-85-0	Benzoic acid	18000	U
111-91-1	bis(2-Chloroethoxy)methane	3600	U
120-83-2	2,4-Dichlorophenol	3600	U
120-82-1	1,2,4-Trichlorobenzene		
91-20-3	Naphthalene	3600	U
106-47-8	4-Chloroaniline	3600	U
87-68-3	Hexachlorobutadiene	3600	U
59-50-7	4-Chloro-3-methylphenol		
91-57-6	2-Methylnaphthalene	3600	U
77-47-4	Hexachlorocyclopentadiene	3600	U
88-06-2	2,4,6-Trichlorophenol	3600	U
95-95-4	2,4,5-Trichlorophenol	18000	U
91-58-7	2-Chloronaphthalene	3600	U
88-74-4	2-Nitroaniline	18000	U
131-11-3	Dimethylphthalate	3600	U
208-96-8	Acenaphthylene	3600	U
606-20-2	2,6-Dinitrotoluene	3600	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

Lab Name: ETC Corp Contract:

Lab Code: Case No.: SAS No.: SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: CA02125

Sample wt/vol: 30.01 (g/mL) G Lab File ID: >G7366

Level: (low/med) LOW Date Received: 05/13/89

% Moisture: not dec. 8 dec. Date Extracted: 05/19/89

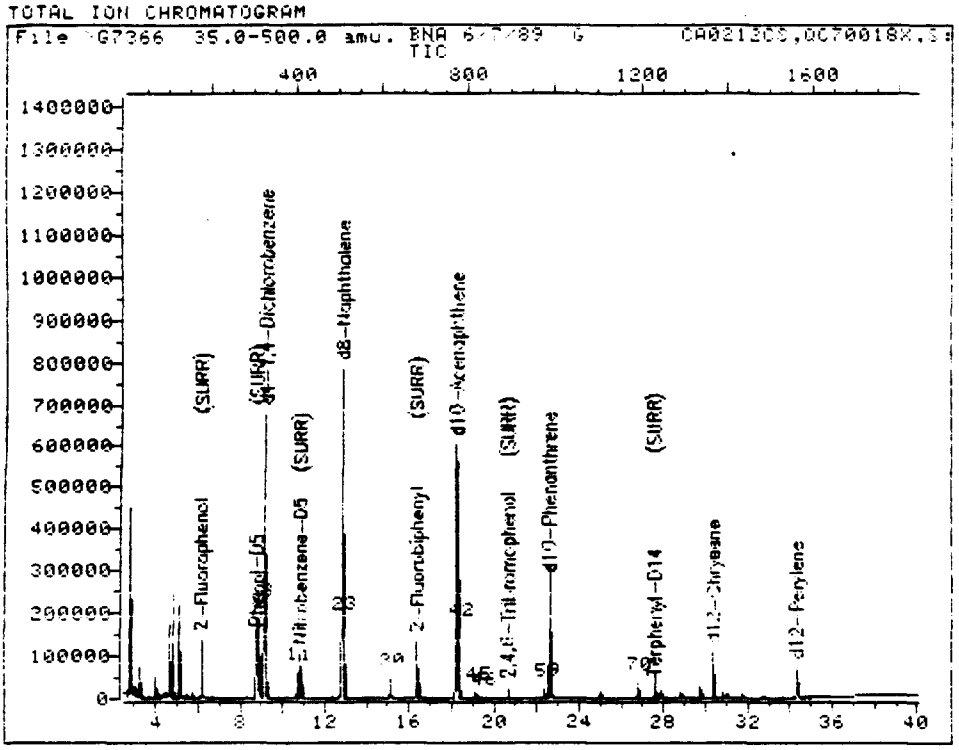
Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 06/16/89

GPC Cleanup: (Y/N) N pH: Dilution Factor: 10

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/kg	Q	
99-09-2	3-Nitroaniline	18000	U	
83-32-9	Acenaphthene	~~3600~~		
51-28-5	2,4-Dinitrophenol	18000	U	(CA) 6-21-89
100-02-7	4-Nitrophenol	~~18000~~		
132-64-9	Dibenzofuran	3600	U	
121-14-2	2,4-Dinitrotoluene	~~3600~~		
84-66-2	Diethylphthalate	3600	U	
7005-72-3	4-Chlorophenyl-phenylether	3600	U	
86-73-7	Fluorene	3600	U	
100-01-6	4-Nitroaniline	18000	U	
534-52-1	4,6-Dinitro-2-methylphenol	18000	U	
86-30-6	N-Nitrosodiphenylamine (1)	3600	U	
101-55-3	4-Bromophenyl-phenylether	3600	U	
118-74-1	Hexachlorobenzene	3600	U	
87-86-5	Pentachlorophenol			
85-01-8	Phenanthrene	3600	U	
120-12-7	Anthracene	3600	U	
84-74-2	Di-n-butylphthalate	3600	U	
206-44-0	Fluoranthene	3600	U	
129-00-0	Pyrene	~~3600~~	~~U~~	(CA) 6-21-89
85-68-7	Butylbenzylphthalate	3600	U	
91-94-1	3,3'-Dichlorobenzidine	7200	U	
56-55-3	Benzo(a)anthracene	3600	U	
218-01-9	Chrysene	3600	U	
117-81-7	bis(2-Ethylhexyl)phthalate	3600	U	
117-84-0	Di-n-octylphthalate	3600	U	
205-99-2	Benzo(b)fluoranthene	3600	U	
207-08-9	Benzo(k)fluoranthene	3600	U	
50-32-8	Benzo(a)pyrene	3600	U	
193-39-5	Indeno(1,2,3-cd)pyrene	3600	U	
53-70-3	Dibenz(a,h)anthracene	3600	U	
191-24-2	Benzo(g,h,i)perylene	3600	U	

(1) - Cannot be separated from Diphenylamine

TOTAL ION CHROMATOGRAM



Data File: :G7366::U3 Quant Output File: HG7366::HQ
Name: BNA 6/7/89 G
Misc: CA0212CS,QC70018X,S:M4,~~30.01~~ 27.61 ,10 BTL#15 (CA) 6-21-89

Id File: IDMAZ::US
Title: ACID/SURR, BN/SURR, PP/PST/PCB, IFB/HCID, IFB/BN, IFB/BNA
Last Calibration: 890620 16:06

Operator ID: GM6356
Quant Time: 890620 16:18
Injected at: 890616 18:38

QUANT REPORT Page 1

Operator ID: GM6356 Quant Rev: 7 Quant Time: 890620 16:18
Output File: AG7366::AQ Injected at: 890616 18:38
Data File: >G7366::U3 Dilution Factor: 1.00000
Name: BNA 6/7/89 G
Misc: CA0212CS,QC70018X,S:M4,~~30.01~~ 27.61 ,10 BTL#15 6-21-89

ID File: IDMAZ::US
Title: ACID/SURR, BN/SURR, PP/PST/PCB, IFB/ACID, IFB/BN, IFB/BNA
Last Calibration: 890620 16:06

	Compound		R.T.	Scan#	Area	Conc	Units	q
1)	*d4-1,4-Dichlorobenzene		9.14	327	471858	40.00	UG/ML	93
2)	2-Fluorophenol	(SURR)	6.09	177	90808	16.39	UG/ML	84
4)	Phenol-D5	(SURR)	8.74	307	103859	11.22	UG/ML	91
5)	Phenol		8.78	309	119880	13.52	UG/ML	84
6)	2-Chlorophenol		8.70	305	100445	10.43	UG/ML	85
8)	1,4-Dichlorobenzene		9.17	328	73502	7.74	UG/ML	96
11)	N-Nitrosodi-n-propylamine		10.65	401	28939	4.17	UG/ML	69
16)	*d8-Naphthalene		12.83	508	1038277	40.00	UG/ML	93
17)	Nitrobenzene-D5	(SURR)	10.79	408	77148M	~~11.26 UG/ML~~ 5.63		92
23)	1,2,4-Trichlorobenzene		12.77	505	61119	6.92	UG/ML	96
30)	p-Chloro-m-cresol		15.07	618	46182	7.99	UG/ML	95
31)	*d10-Acenaphthene		18.20	722	433480	40.00	UG/ML	95
35)	2-Fluorobiphenyl	(SURR)	16.33	680	95199	~~11.00 UG/ML~~ 5.50		99
42)	Acenaphthene		18.28	726	79186	6.14	UG/ML	99
45)	2,4-Dinitrotoluene		19.10	816	8316	2.75	UG/ML	97
46)	4-Nitrophenol		19.38	830	2581	.513	UG/ML	100
51)	2,4,6-Tribromophenol	(SURR)	20.60	890	7342	4.99	UG/ML	91
52)	*d10-Phenanthrene		22.54	985	336291	40.00	UG/ML	97
59)	Pentachlorophenol		22.31	974	11656	6.11	UG/ML	98
70)	Pyrene		26.71	1190	47607	6.64	UG/ML	95
81)	*d12-Chrysene		30.35	1369	108768	40.00	UG/ML	99
82)	Terphenyl-D14	(SURR)	27.52	1230	32903	~~15.09 UG/ML~~ 7.54		95
88)	*d12-Perylene		34.28	1562	72519	40.00	UG/ML	91

* Compound is ISTD

CA 6-21-89

1A

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

Lab Name: ETC Corp. Contract:

Lab Code: Case No.: SAS No.: SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: CA0212CR

Sample wt/vol: 30.04 (g/ml.) G Lab File ID: >G7329

Level: (low/med) LOW Date Received: 05/13/89

% Moisture: not dec. 8 dec. Date Extracted: 05/19/89

Extraction: (SepF/Cont/Sonc) Date Analyzed: 06/08/89

GPC Cleanup: (Y/N) N pH: Dilution Factor: 10

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol		
111-44-4	bis(2-Chloroethyl)ether	3600	U
95-57-8	2-Chlorophenol		
541-73-1	1,3-Dichlorobenzene	3600	U
106-46-7	1,4-Dichlorobenzene		
100-51-6	Benzyl alcohol	3600	U
95-50-1	1,2-Dichlorobenzene	3600	U
95-48-7	2-Methylphenol	3600	U
108-60-1	bis(2-Chloroisopropyl)ether	3600	U
106-44-5	4-Methylphenol	3600	U
621-64-7	N-Nitroso-di-n-propylamine		
67-72-1	Hexachloroethane	3600	U
98-95-3	Nitrobenzene	3600	U
78-59-1	Isophorone	3600	U
88-75-5	2-Nitrophenol	3600	U
105-67-9	2,4-Dimethylphenol	3600	U
65-85-0	Benzoic acid	18000	U
111-91-1	bis(2-Chloroethoxy)methane	3600	U
120-83-2	2,4-Dichlorophenol	3600	U
120-82-1	1,2,4-Trichlorobenzene		
91-20-3	Naphthalene	3600	U
106-47-8	4-Chloroaniline	3600	U
87-68-3	Hexachlorobutadiene	3600	U
59-50-7	4-Chloro-3-methylphenol		
91-57-6	2-Methylnaphthalene	3600	U
77-47-4	Hexachlorocyclopentadiene	3600	U
88-06-2	2,4,6-Trichlorophenol	3600	U
95-95-4	2,4,5-Trichlorophenol	18000	U
91-58-7	2-Chloronaphthalene	3600	U
88-74-4	2-Nitroaniline	18000	U
131-11-3	Dimethylphthalate	3600	U
208-96-8	Acenaphthylene	3600	U
606-20-2	2,6-Dinitrotoluene	3600	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

Lab Name: ETC Corp Contract:

Lab Code: Case No.: SAS No.: SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: CA0212CR

Sample wt/vol: 30.04 (g/mL) G Lab File ID: >G7329

Level: (low/med) LOW Date Received: 05/13/89

% Moisture: not dec. 8 dec. Date Extracted: 05/19/89

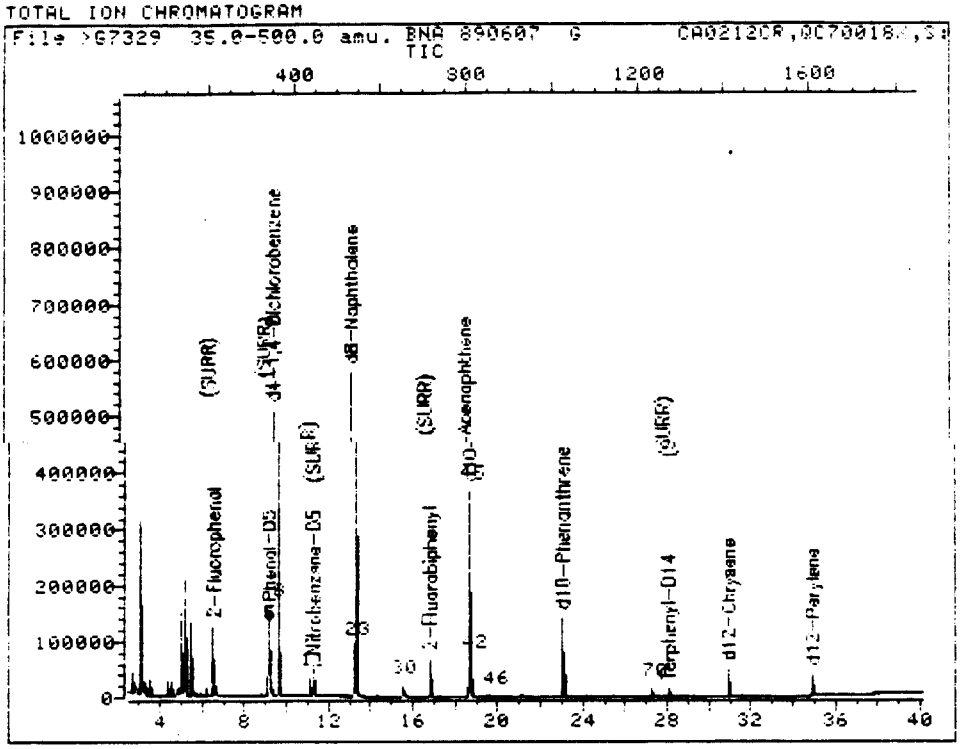
Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 06/08/89

GPC Cleanup: (Y/N) N pH: Dilution Factor: 10

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/kg	Q	
99-09-2	3-Nitroaniline	18000	U	
83-32-9	Acenaphthene			
51-28-5	2,4-Dinitrophenol	18000	U	
100-02-7	4-Nitrophenol	~~18000~~	~~U~~	(1) 6-21-89
132-64-9	Dibenzofuran	3600	U	
121-14-2	2,4-Dinitrotoluene			
84-66-2	Diethylphthalate	3600	U	
7005-72-3	4-Chlorophenyl-phenylether	3600	U	
86-73-7	Fluorene	3600	U	
100-01-6	4-Nitroaniline	18000	U	
534-52-1	4,6-Dinitro-2-methylphenol	18000	U	
86-30-6	N-Nitrosodiphenylamine (1)	3600	U	
101-55-3	4-Bromophenyl-phenylether	3600	U	
118-74-1	Hexachlorobenzene	3600	U	
87-86-5	Pentachlorophenol	18000	U	
85-01-8	Phenanthrene	3600	U	
120-12-7	Anthracene	3600	U	
84-74-2	Di-n-butylphthalate	3600	U	
206-44-0	Fluoranthene	3600	U	
129-00-0	Pyrene			
85-68-7	Butylbenzylphthalate	3600	U	
91-94-1	3,3'-Dichlorobenzidine	7200	U	
56-55-3	Benzo(a)anthracene	3600	U	
218-01-9	Chrysene	3600	U	
117-81-7	bis(2-Ethylhexyl)phthalate	3600	U	
117-84-0	Di-n-octylphthalate	3600	U	
205-99-2	Benzo(b)fluoranthene	3600	U	
207-08-9	Benzo(k)fluoranthene	3600	U	
50-32-8	Benzo(a)pyrene	3600	U	
193-39-5	Indeno(1,2,3-cd)pyrene	3600	U	
53-70-3	Dibenz(a,h)anthracene	3600	U	
191-24-2	Benzo(g,h,i)perylene	3600	U	

(1) - Cannot be separated from Diphenylamine

TOTAL ION CHROMATOGRAM



Data File: >G7329::U3 Quant Output File: AG7329::AQ
Name: BNA 890607 G
Misc: CA0212CR,QC70018X,S:M4,~~30 8m~~ >7.64 @ 6-24-89,10 BTL#27

Id File: IDMAZ::US
Title: ACID/SURR, BN/SURR, PP/PST/PCB, IFB/ACID, IFB/BN, IFB/BNA
Last Calibration: 890620 12:53

Operator ID: SC4660
Quant Time: 890620 13:19
Injected at: 890608 15:02

QUANT REPORT

Operator ID: SC4660 Quant Rev: 7 Quant Time: 890620 13:19
Output File: AG7329::AQ Injected at: 890608 15:02
Data File: >G7329::U3 Dilution Factor: 1.00000
Name: BNA 890607 G
Misc: CA0212CR,QC70018K,S:M4,~~30.84~~ 27.64 CA 6-21-89,10 BTL#27

ID File: IDMAZ::US
Title: ACID/SURR, BN/SURR, PP/PST/PCB, IFB/ACID, IFB/BN, IFB/BNA
Last Calibration: 890620 12:53

	Compound		R.T.	Scan#	Area	Conc	Units	q
1)	*d4-1,4-Dichlorobenzene		9.57	347	362550	40.00	UG/ML	90
2)	2-Fluorophenol	(SURR)	6.50	196	62630	10.25	UG/ML	83
4)	Phenol-D5	(SURR)	9.14	326	62204	10.74	UG/ML	94
5)	Phenol		9.16	327	69643	10.06	UG/ML	87
6)	2-Chlorophenol		9.12	325	66771	9.68	UG/ML	97
8)	1,4-Dichlorobenzene		9.61	349	53783	7.43	UG/ML	96
11)	N-Nitrosodi-n-propylamine		11.09	422	17222	3.84	UG/ML	64
16)	*d8-Naphthalene		13.29	530	666054	40.00	UG/ML	93
17)	Nitrobenzene-D5	(SURR)	11.26	430	47804M	~~11.67~~ UG/ML 5.67		91
23)	1,2,4-Trichlorobenzene		13.23	527	36604	6.20	UG/ML	97
30)	p-Chloro-m-cresol		15.49	638	18961M	6.00	UG/ML	94
31)	*d10-Acenaphthene		18.66	794	186200	40.00	UG/ML	93
35)	2-Fluorobiphenyl	(SURR)	16.79	702	44809	~~12.73~~ UG/ML 6.16		98
42)	Acenaphthene		18.74	798	34767	6.05	UG/ML	99
45)	2,4-Dinitrotoluene		19.54	837	1720M	1.28	UG/ML	
46)	4-Nitrophenol		19.76	848	749M	.305	UG/ML	
51)	2,4,6-Tribromophenol	(SURR)	21.06	912	1264M	2.00	UG/ML	
52)	*d10-Phenanthrene		23.01	1008	126306	40.00	UG/ML	97
70)	Pyrene		27.24	1216	17603	6.80	UG/ML	97
81)	*d12-Chrysene		30.93	1397	50191	40.00	UG/ML	98
82)	Terphenyl-D14	(SURR)	28.04	1255	11884	~~10.81~~ UG/ML 5.40		92
88)	*d12-Perylene		34.89	1592	35706	40.00	UG/ML	98

* Compound is ISTD

CA 6-21-89

PESTICIDE/PCB DATA

QC SUMMARY

2F

SOIL PESTICIDE SURROGATE RECOVERY

Lab Name: ETCNJ Contract:

Lab Code: Case No.: SAS No.: SDG No.:

Level: (LOW/MED) LOW

	EPA SAMPLE NO.	S1 (DBC)	#	OTHER	TOT OUT
01	QC70018G	240	*		1
02	CA0212GS	158	*		1
03	CA0212GR	149			0
04	CA0212G	161	*		1
05	BJ1630G	204	*		1
06	BJ1630GS	156	*		1
07	BJ1630GR	165	*		1
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					

ADVISORY
QC LIMITS
(20-150)

S1 (DBC) = Dibutylchlorendate

Column to be used to flag recovery values
* Values outside QC limits
D Surrogates diluted out

3F

SOIL PESTICIDE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: ETCNJ Contract:

Lab Code: Case No.: SAS No.: SDG No.:

Matrix Spike - EPA Sample No.: CA0212GS Level:(LOW/MED) LOW

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC	#	QC LIMITS REC.
gamma-BHC(Lindane)	57.971	0.000	77.133	133	*	46-127
Heptachlor	57.971	0.000	83.351	144	*	35-130
Aldrin	57.971	0.000	117.079	202	*	34-132
Dieldrin	144.928	0.000	249.701	172	*	31-134
Endrin	144.928	0.000	353.737	244	*	42-139
4,4'-DDT	144.928	0.000	244.326	169	*	23-134

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC	#	% RPD	#	QC LIMITS RPD	QC LIMITS REC.
gamma-BHC(Lindane)	57.908	73.103	126		5		50	46-127
Heptachlor	57.908	82.619	143	*	1		31	35-130
Aldrin	57.908	129.578	224	*	10		43	34-132
Dieldrin	144.770	235.811	163	*	6		38	31-134
Endrin	144.770	325.236	225	*	8		45	42-139
4,4'-DDT	144.770	228.563	158	*	7		50	23-134

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

* Values outside of limits

RPD: 0 out of 6 outside limits
Spike Recovery: 11 out of 12 outside limits

Comments: _____

_____

FORM III PEST-2 1/87 Rev.

4C

PESTICIDE METHOD BLANK SUMMARY

Lab Name: ETCNJ Contract:

Lab Code: Case No.: SAS No.: SDG No.:

Lab Sample ID: QC70018G Lab File ID: >QB237

Matrix: (soil/water) SOIL Level: (low/med) LOW

Date Extracted: 05/19/89 Extraction: (SepF/Cont/Sonc) SONC

Date Analyzed (1): 06/20/89 Date Analyzed (2): 07/05/89

Time Analyzed (1): 2106 Time Analyzed (2): 1742

Instrument ID (1): Q Instrument ID (2): HA

GC Column ID (1): 1.5% SP2250/1.95% SP2401 GC Column ID (2): DB-1701

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

	EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED 1	DATE ANALYZED 2
01		CA0212G	06/22/89	
02		CA0212GS	06/21/89	
03		CA0212GR	06/21/89	
04		BJ1630G	06/22/89	07/05/89
05		BJ1630GS	06/22/89	07/05/89
06		BJ1630GR	06/22/89	07/05/89
07				
08				
09				
10				
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				
21				
22				
23				
24				
25				
26				

Comments:

SAMPLE DATA

1D

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

Lab Name: ETCNJ Contract:

Lab Code: Case No.: SAS No.: SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: CA0212G

Sample wt/vol: ~~27.9~~ 30.3 (g/mL) G Lab File ID: >QB277

Level: (low/med) LOW Date Received: 06/15/89

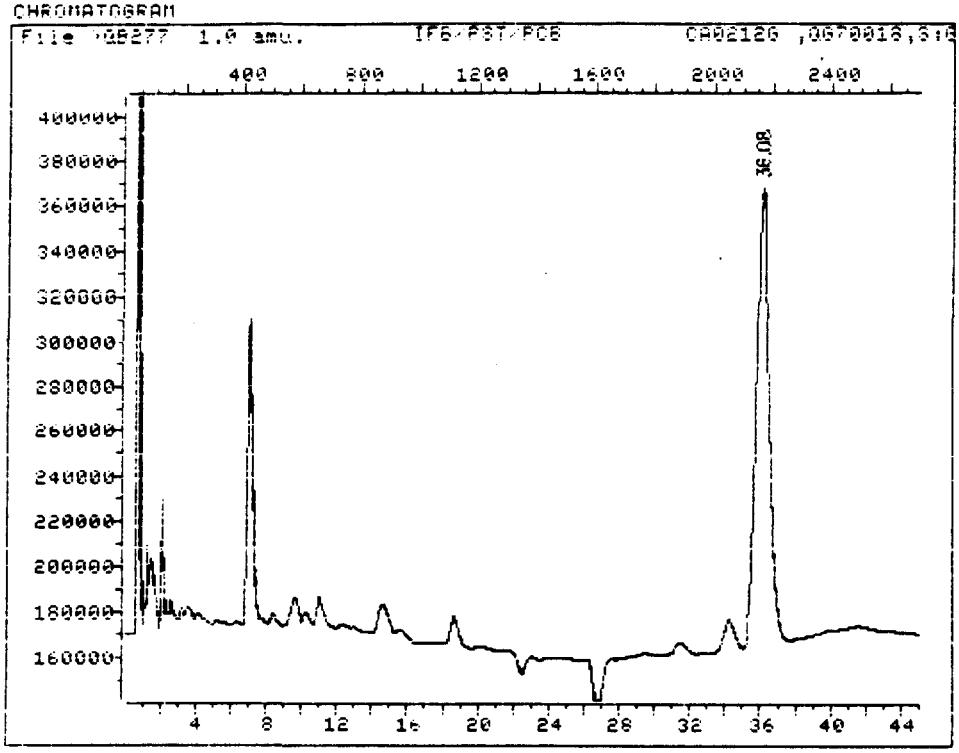
% Moisture: not dec. 8 dec. Date Extracted: 06/19/89

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 06/22/89

GPC Cleanup: (Y/N) N pH: Dilution Factor: 1

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-64-6	alpha-BHC	8.600	U
319-65-7	beta-BHC	8.600	U
319-86-8	delta-BHC	8.600	U
58-89-9	gamma-BHC(Lindane)	8.600	U
76-44-8	Heptachlor	8.600	U
309-00-2	Aldrin	8.600	U
1024-57-3	Heptachlor epoxide	8.600	U
959-98-8	Endosulfan I	8.600	U
60-57-1	Dieldrin	17	U
72-55-9	4,4'-DDE	17	U
72-20-8	Endrin	17	U
33213-65-9	Endosulfan II	17	U
72-54-8	4,4'-DDD	17	U
1031-07-8	Endosulfan sulfate	17	U
50-29-3	4,4'-DDT	17	U
72-43-5	Methoxychlor	86	U
53494-70-5	Endrin ketone	17	U
5103-71-9	alpha-Chlordane	8.600	U
5103-74-2	gamma-Chlordane	8.600	U
8001-35-2	Toxaphene	340	U
12674-11-2	Aroclor-1016	86	U
11104-28-2	Aroclor-1221	86	U
11141-16-5	Aroclor-1232	86	U
53469-21-9	Aroclor-1242	86	U
12672-29-6	Aroclor-1248	86	U
11097-69-1	Aroclor-1254	170	U
11096-82-5	Aroclor-1260	170	U

CHROMATOGRAM



Data File: >QB277::U6 Quant Output File: ^QB277::AQ
Name: IFB/PST/PCB Instrument ID: QA
Misc: CA02126 ,QG70018,S:G2,27.88,40

Id File: I018IP::US
Title: IFB/PST/PCB 1.5%SP2250/1.95%SP2401 2 UL INJECTION
Last Calibration: 890621 16:04

Operator ID: KT8582
Quant Time: 890622 17:55
Injected at: 890622 17:05

Operator ID: KT8582 Quant Rev: 7 Quant Time: 890622 17:55
Output File: ^QB277::AQ Injected at: 890622 17:05
Data File: >QB277::U6 Dilution Factor: 1.00000
Name: IFB/PST/PCB Instrument ID: QB
Misc: CA0212G ,QG70018,S:G2,27.88,40

ID File: I018IP::US
Title: IFB/PST/PCB 1.5%SP2250/1.95%SP2401 2 UL INJECTION
Last Calibration: 890621 16:04

	Compound	R.T.	Scan#	Height	Conc	Units	q
19)	#Dibutylchlorendate	36.08	2163	203394	.161	UG/ML	100

KT 6/29/89

Compound uses ESTD

STANDARDS DATA

8D

PESTICIDE EVALUATION STANDARDS SUMMARY

Lab Name: ETCNJ Contract:

Lab Code: Case No.: SAS No.: SDG No.:

Instrument ID: Q GC Column ID: 1.5%SP2250/1.95%SP2401

Dates of Analyses: 06/20/89 to 06/23/89

Evaluation Check for Linearity

PESTICIDE	CALIBRATION FACTOR EVAL MIX A	CALIBRATION FACTOR EVAL MIX B	CALIBRATION FACTOR EVAL MIX C	% RSD (<= 10.0%)	
ALDRIN	1632000.2	1626880.2	1763210.0	4.6	
ENDRIN	432000.1	416000.0	443520.0	3.2	
4,4'-DDT	1062400.2	1108480.0	1217285.0	7.0	(1)
DBC	544000.1	529280.0	542080.0	1.5	

(1) If > 10.0% RSD, plot a standard curve and determine the ng for each sample in that set from the curve.

Evaluation Check for 4,4'-DDT/Endrin Breakdown
(percent breakdown expressed as total degradation)

	INITIAL	DATE ANALYZED	TIME ANALYZED	ENDRIN	4,4'-DDT	COMBINED (2)
01	EVAL MIX B	06/20/89	0929	19.5	6.5	
02	EVAL MIX B	06/21/89	0130	1.1	7.6	
03	EVAL MIX B	06/21/89	1826	11.4	5.0	
04	EVAL MIX B	06/22/89	0624	10.9	7.5	
05	EVAL MIX B	06/22/89	1511	10.2	11.2	
06	EVAL MIX B	06/23/89	0059	13.8	9.9	
07	EVAL MIX B					
08	EVAL MIX B					
09	EVAL MIX B					
10	EVAL MIX B					
11	EVAL MIX B					
12	EVAL MIX B					
13	EVAL MIX B					
14	EVAL MIX B					

(2) See form instructions.

8E

PESTICIDE EVALUATION FOR STANDARDS SUMMARY

Evaluation of Retention Time Shift for Dibutylchlorendate

Lab Name: ETCNJ Contract:

Lab Code: Case No.: SAS No.: SDG No.:

Instrument ID: Q GC Column ID: 1.5% SP2250/1.95% SP2401

Dates of Analyses: 06/20/89 to 06/23/89

	EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	% D	*
01		EVALA	06/20/89	0836	0.0	
02		EVALB	06/20/89	0929	.1	
03		EVALC	06/20/89	1021	.0	
04		INDA	06/20/89	1114	.0	
05		INDB	06/20/89	1207	.0	
06		TOXAPH	06/20/89	1404	.1	
07		AR1016	06/20/89	1456	.2	
08		AR1221	06/20/89	1549	.2	
09		AR1232	06/20/89	1642	.2	
10		AR1242	06/20/89	1735	.1	
11		AR1248	06/20/89	1827	.1	
12		AR1254	06/20/89	1920	.0	
13		AR1260	06/20/89	2013	0.0	
14		QC70018G	06/20/89	2106	.0	
15		QC70018GS	06/20/89	2158	.1	
16		BJ1630G	06/20/89	2251	.0	
17		BJ1630GS	06/20/89	2344	.1	
18		BJ1630GR	06/21/89	0037	.1	
19		EVALB	06/21/89	0130	.1	
20		CA0212G	06/21/89	0223	0.0	
21		CA0212GS	06/21/89	0316	.0	
22		CA0212GR	06/21/89	0408	0.0	
23		QC70010G	06/21/89	0501	.0	
24		QC70010GS	06/21/89	0554	.0	
25		INDA	06/21/89	0646	.1	
26		GA1345G	06/21/89	0739	.1	
27		CA0988G	06/21/89	0832	.0	
28		CA0988GS	06/21/89	0924	.0	
29		CA0988GR	06/21/89	1017	0.0	
30		BJ1630MSA	06/21/89	1110	.0	
31		EVALB	06/21/89	1826	.0	
32		QC70029G	06/21/89	2044	.0	
33		QC70019GS	06/21/89	2137	0.0	
34		CA0885G	06/21/89	2230	.0	
35		CA0885GS	06/21/89	2322	.0	
36		CA0885GR	06/22/89	0015	.1	
37		INDB	06/22/89	0108	0.0	
38		CA0841G	06/22/89	0200	.1	

* Values outside of QC limits (2.0% for packed columns, 0.3% for capillary columns)

250

8E

PESTICIDE EVALUATION FOR STANDARDS SUMMARY

Evaluation of Retention Time Shift for Dibutylchlorendate

Lab Name: ETCNJ Contract:

Lab Code: Case No.: SAS No.: SDG No.:

Instrument ID: Q GC Column ID: 1.5% SP2860/1.95% SP2401

Dates of Analyses: 06/20/89 to 06/23/89

	EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	% D	*
01		CA0842G	06/22/89	0253	0.0	
02		CA0839G	06/22/89	0346	.1	
03		CA0844G	06/22/89	0438	.0	
04		CA0845G	06/22/89	0531	.1	
05		EVALB	06/22/89	0624	.0	
06		CA0886G	06/22/89	0716	.3	
07		CA0887G	06/22/89	0809	.2	
08		CA0830G	06/22/89	0902	.0	
09		CA0831G	06/22/89	0955	.0	
10		CA0832G	06/22/89	1047	0.0	
11		INDA	06/22/89	1140	0.0	
12		CA0833G	06/22/89	1233	.0	
13		CA0834G	06/22/89	1325	0.0	
14		CA0838G	06/22/89	1418	.1	
15		EVALB	06/22/89	1511	.0	
16		CA0212G	06/22/89	1705	.2	
17		BJ1630G	06/22/89	1850	.2	
18		BJ1630GS	06/22/89	1943	.1	
19		BJ1630GR	06/22/89	2036	.1	
20		CA0841G	06/22/89	2129	.4	
21		INDB	06/22/89	2221	.1	
22		CA0839G	06/22/89	2314	.2	
23		CA0839G	06/23/89	0007	.3	
24		EVALB	06/23/89	0059	.2	
25		INDA	06/23/89	0152	.1	
26		INDB	06/23/89	0245	.0	
27						
28						
29						
30						
31						
32						
33						
34						
35						
36						
37						
38						

* Values outside of QC limits (2.0% for packed columns, 0.3% for capillary columns)

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FORM VIII PEST-2 1/87 Rev.

8D

PESTICIDE EVALUATION STANDARDS SUMMARY

Lab Name: ETCNJ Contract:

Lab Code: Case No.: SAS No.: SDG No.:

Instrument ID: H GC Column ID: DB-1701

Dates of Analyses: 07/05/89 to 07/06/89

Evaluation Check for Linearity

PESTICIDE	CALIBRATION FACTOR EVAL MIX A	CALIBRATION FACTOR EVAL MIX B	CALIBRATION FACTOR EVAL MIX C	% RSD (</= 10.0%)	
ALDRIN	729600.1	943360.3	796160.0	13.3**	
ENDRIN	364800.1	499200.0	379200.0	17.8**	
4,4'-DDT	240000.1	377600.0	276160.0	23.9**	(1)
DBC	150400.0	204800.0	145600.0	19.7**	

(1) If > 10.0% RSD, plot a standard curve and determine the ng for each sample in that set from the curve.

Evaluation Check for 4,4'-DDT/Endrin Breakdown
(percent breakdown expressed as total degradation)

		DATE ANALYZED	TIME ANALYZED	ENDRIN	4,4'-DDT	COMBINED (2)
	INITIAL					
01	EVAL MIX B	07/05/89	1237	4.5	9.0	
02	EVAL MIX B	07/05/89	2122	3.3	9.0	
03	EVAL MIX B	07/06/89	0611	3.3	15.8	
04	EVAL MIX B					
05	EVAL MIX B					
06	EVAL MIX B					
07	EVAL MIX B					
08	EVAL MIX B					
09	EVAL MIX B					
10	EVAL MIX B					
11	EVAL MIX B					
12	EVAL MIX B					
13	EVAL MIX B					
14	EVAL MIX B					

(2) See form instructions.

FORM VIII PEST-1 1/87 Rev.

8E

PESTICIDE EVALUATION FOR STANDARDS SUMMARY

Evaluation of Retention Time Shift for Dibutylchlorendate

Lab Name:ETCNJ Contract:

Lab Code: Case No.: SAS No.: SDG No.:

Instrument ID: H GC Column ID:DB-1701

Dates of Analyses: 07/05/89 to 07/06/89

	EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	% D	*
01		EVALA	07/05/89	1153	0.0	
02		EVALB	07/05/89	1237	.1	
03		EVALC	07/05/89	1320	.1	
04		INDA	07/05/89	1404	0.0	
05		INDB	07/05/89	1447	.2	
06		AR1248	07/05/89	1531	.3	
07		AR1254	07/05/89	1615	.5	
08		AR1260	07/05/89	1659	.5	
09		QC70018G	07/05/89	1742	.5	
10		BJ1630G	07/05/89	1826	.6	
11		BJ1630GS	07/05/89	1910	.4	
12		BJ1630GR	07/05/89	1954	.4	
13		QC70029G	07/05/89	2038	.5	
14		EVALB	07/05/89	2122	.7	
15		CA0841G	07/05/89	2206	.9	
16		CA0844G	07/05/89	2250	.5	
17		CA0845G	07/05/89	2334	1.0	
18		CA0886G	07/06/89	0018	.9	
19		CA0887G	07/06/89	0102	.8	
20		INDA	07/06/89	0146	.9	
21		QC70019G	07/06/89	0230	1.2	
22		CA0631G	07/06/89	0314	1.0	
23		CA0631GS	07/06/89	0358	1.1	
24		CA0631GR	07/06/89	0442	.9	
25		CA0566G	07/06/89	0526	1.2	
26		EVALB	07/06/89	0611	1.1	
27		CA0650G	07/06/89	0654	1.1	
28		CA0648G	07/06/89	0738	1.2	
29		CA0755G	07/06/89	0822	1.6	*
30		CA0629G	07/06/89	0906	1.2	
31		CA0632G	07/06/89	0950	1.4	
32		INDA	07/06/89	1034	.9	
33		INDB	07/06/89	1118	.9	
34						
35						
36						
37						
38						

* Values outside of QC limits (2.0% for packed columns, 0.3% for capillary columns)

9

PESTICIDE/PCB STANDARDS SUMMARY

Lab Name: ETCNJ Contract:

Lab Code: Case No.: SAS No.: SDG No.:

Instrument ID: Q GC Column ID: 1.5% SP2250/1.95% SP2401

DATE(S) OF ANALYSIS FROM: 06/20/89 TO: 06/23/89
TIME(S) OF ANALYSIS FROM: 1114 TO: 0245

DATE OF ANALYSIS 06/21/89
TIME OF ANALYSIS 0646
EPA SAMPLE NO. (STANDARD) INDA

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR	RT	CALIBRATION FACTOR	QNT Y/N	%D
alpha-BHC	6.07	6.04	6.09	2771201				
beta-BHC	9.45	9.40	9.50	832000				
delta-BHC	10.87	10.81	10.92	1429760				
gamma-BHC	8.00	7.98	8.02	2195201	8.00	2342400	Y	6.7
Heptachlor	9.85	9.83	9.88	2091520	9.85	2191360	Y	4.8
Aldrin	11.73	11.69	11.77	1786880	11.72	1859840	Y	4.1
Hept. epoxide	16.32	16.29	16.35	1651200	16.30	1689600	Y	2.3
Endosulfan I	18.95	18.90	19.00	1428480	18.92	1468160	Y	2.8
Dieldrin	21.38	21.34	21.43	1306240	21.35	1344000	Y	2.9
4,4'-DDE	20.83	20.79	20.88	1251200				
Endrin	23.70	23.65	23.75	464640				
Endosulfan II	26.07	26.00	26.13	890240	26.03	900480	Y	1.2
4,4'-DDD	25.80	25.71	25.89	934400				
Endo.sulfate	32.17	32.10	32.24	524800				
4,4'-DDT	27.95	27.90	28.00	962560	27.92	966400	Y	.4
Methoxychlor	37.87	37.79	37.94	285824	37.82	305666	Y	6.9
Endrin ketone	37.93	37.85	38.02	433280				
a. Chlordane	18.58	18.56	18.61	1260800				
g. Chlordane	17.53	17.49	17.58	1482240				
Toxaphene	28.48	28.20	28.77	16320				
Aroclor-1016	9.97	9.87	10.07	139520				
Aroclor-1221	5.60	5.54	5.66	87168				
Aroclor-1232	9.98	9.88	10.08	65152				
Aroclor-1242	9.97	9.87	10.07	219520				
Aroclor-1248	9.97	9.87	10.07	100988				
Aroclor-1254	21.90	21.68	22.12	86784				
Aroclor-1260	34.18	33.84	34.53	153025				

Under QNT Y/N: enter Y if quantitation was performed, N if not performed.
%D must be less than or equal to 15.0% for quantitation, and less than or equal to 20.0% for confirmation.

Note: Determining that no compounds were found above the CRQL is a form of quantitation, and therefore at least one column must meet the 15.0% criteria.

For multicomponent analytes, the single largest peak that is characteristic of the component should be used to establish retention time and %D. Identification of such analytes is based primarily on pattern recognition.

PESTICIDE/PCB STANDARDS SUMMARY

Lab Name: ETCNJ Contract:

Lab Code: Case No.: SAS No.: SDG No.:

Instrument ID: Q GC Column ID: 1.5%SP2250/1.95%SP2401

	DATE(S) OF ANALYSIS FROM: 06/20/89 TO: 06/23/89				DATE OF ANALYSIS 06/22/89			
	TIME(S) OF ANALYSIS FROM: 1114 TO: 0245				TIME OF ANALYSIS 0108			
					EPA SAMPLE NO. (STANDARD) INDB			
COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR	RT	CALIBRATION FACTOR	QNT Y/N	%D
alpha-BHC	6.07	6.04	6.09	2771201	6.07	3073281	Y	10.9
beta-BHC	9.45	9.40	9.50	832000	9.43	913920	Y	9.8
delta-BHC	10.87	10.81	10.92	1429760	10.87	1647360	Y	15.2
gamma-BHC	8.00	7.98	8.02	2195201				
Heptachlor	9.85	9.83	9.88	2091520				
Aldrin	11.73	11.69	11.77	1786880				
Hept. epoxide	16.32	16.29	16.35	1651200				
Endosulfan I	18.95	18.90	19.00	1428480				
Dieldrin	21.38	21.34	21.43	1306240				
4,4'-DDE	20.83	20.79	20.88	1251200	20.83	1360000	Y	8.7
Endrin	23.70	23.65	23.75	464640	23.70	522620	Y	12.5
Endosulfan II	26.07	26.00	26.13	890240				
4,4'-DDD	25.80	25.71	25.89	934400	25.77	1050880	Y	12.5
Endo.sulfate	32.17	32.10	32.24	524800	32.13	597150	Y	13.8
4,4'-DDT	27.95	27.90	28.00	962560				
Methoxychlor	37.87	37.79	37.94	285824				
Endrin ketone	37.93	37.85	38.02	433280	37.92	455680	Y	5.2
a. Chlordane	18.58	18.56	18.61	1260800	18.58	1288960	Y	2.2
g. Chlordane	17.53	17.49	17.58	1482240	17.53	1576960	Y	6.4
Toxaphene	28.48	28.20	28.77	16320				
Aroclor-1016	9.97	9.87	10.07	139520				
Aroclor-1221	5.60	5.54	5.66	87168				
Aroclor-1232	9.98	9.88	10.08	65152				
Aroclor-1242	9.97	9.87	10.07	219520				
Aroclor-1248	9.97	9.87	10.07	100988				
Aroclor-1254	21.90	21.68	22.12	86784				
Aroclor-1260	34.18	33.84	34.53	153025				

Under QNT Y/N: enter Y if quantitation was performed, N if not performed.
%D must be less than or equal to 15.0% for quantitation, and less than or equal to 20.0% for confirmation.

Note: Determining that no compounds were found above the CRQL is a form of quantitation, and therefore at least one column must meet the 15.0% criteria.

For multicomponent analytes, the single largest peak that is characteristic of the component should be used to establish retention time and %D. Identification of such analytes is based primarily on pattern recognition.

9

PESTICIDE/PCB STANDARDS SUMMARY

Lab Name: ETCNJ Contract:

Lab Code: Case No.: SAS No.: SDG No.:

Instrument ID: Q GC Column ID: 1.5%SP2250/1.95%SP2401

DATE(S) OF ANALYSIS FROM: 06/20/89 TO: 06/23/89
TIME(S) OF ANALYSIS FROM: 1114 TO: 0245
DATE OF ANALYSIS 06/22/89
TIME OF ANALYSIS 1140
EPA SAMPLE NO. (STANDARD) INDA

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR	RT	CALIBRATION FACTOR	QNT Y/N	%D
alpha-BHC	6.07	6.04	6.09	2771201				
beta-BHC	9.45	9.40	9.50	832000				
delta-BHC	10.87	10.81	10.92	1429760				
gamma-BHC	8.00	7.98	8.02	2195201	8.00	2469121	Y	12.5
Heptachlor	9.85	9.83	9.88	2091520	9.85	2265600	Y	8.3
Aldrin	11.73	11.69	11.77	1786880	11.72	1917440	Y	7.3
Hept. epoxide	16.32	16.29	16.35	1651200	16.32	1724160	Y	4.4
Endosulfan I	18.95	18.90	19.00	1428480	18.93	1506580	Y	5.5
Dieldrin	21.38	21.34	21.43	1306240	21.37	1373450	Y	5.1
4,4'-DDE	20.83	20.79	20.88	1251200				
Endrin	23.70	23.65	23.75	464640				
Endosulfan II	26.07	26.00	26.13	890240	26.03	940170	Y	5.6
4,4'-DDD	25.80	25.71	25.89	934400				
Endo.sulfate	32.17	32.10	32.24	524800				
4,4'-DDT	27.95	27.90	28.00	962560	27.93	942080	Y	2.1
Methoxychlor	37.87	37.79	37.94	285824	37.85	306048	Y	7.1
Endrin ketone	37.93	37.85	38.02	433280				
a. Chlordane	18.58	18.56	18.61	1260800				
g. Chlordane	17.53	17.49	17.58	1482240				
Toxaphene	28.48	28.20	28.77	16320				
Aroclor-1016	9.97	9.87	10.07	139520				
Aroclor-1221	5.60	5.54	5.66	87168				
Aroclor-1232	9.98	9.88	10.08	65152				
Aroclor-1242	9.97	9.87	10.07	219520				
Aroclor-1248	9.97	9.87	10.07	100988				
Aroclor-1254	21.90	21.68	22.12	86784				
Aroclor-1260	34.18	33.84	34.53	153025				

Under QNT Y/N: enter Y if quantitation was performed, N if not performed.
%D must be less than or equal to 15.0% for quantitation, and less than or equal to 20.0% for confirmation.

Note: Determining that no compounds were found above the CRQL is a form of quantitation, and therefore at least one column must meet the 15.0% criteria.

For multicomponent analytes, the single largest peak that is characteristic of the component should be used to establish retention time and %D. Identification of such analytes is based primarily on pattern recognition.

PESTICIDE/PCB STANDARDS SUMMARY

Lab Name: ETCNJ Contract:

Lab Code: Case No.: SAS No.: SDG No.:

Instrument ID: Q GC Column ID: 1.5%SP2250/1.95%SP2401

DATE(S) OF ANALYSIS FROM: 06/20/89 TO: 06/23/89
TIME(S) OF ANALYSIS FROM: 1114 TO: 0245

DATE OF ANALYSIS 06/22/89
TIME OF ANALYSIS 2221
EPA SAMPLE NO. (STANDARD) INDB

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR	RT	CALIBRATION FACTOR	QNT Y/N	%D
alpha-BHC	6.07	6.04	6.09	2771201	6.05	3198740	Y	15.4
beta-BHC	9.45	9.40	9.50	832000	9.42	945920	Y	13.7
delta-BHC	10.87	10.81	10.92	1429760	10.83	1648560	Y	15.3
gamma-BHC	8.00	7.98	8.02	2195201				
Heptachlor	9.85	9.83	9.88	2091520				
Aldrin	11.73	11.69	11.77	1786880				
Hept. epoxide	16.32	16.29	16.35	1651200				
Endosulfan I	18.95	18.90	19.00	1428480				
Dieldrin	21.38	21.34	21.43	1306240				
4,4'-DDE	20.83	20.79	20.88	1251200	20.80	1343370	Y	7.4
Endrin	23.70	23.65	23.75	464640	23.67	532030	Y	14.5
Endosulfan II	26.07	26.00	26.13	890240				
4,4'-DDD	25.80	25.71	25.89	934400	25.73	1009290	Y	8.0
Endo.sulfate	32.17	32.10	32.24	524800	32.12	593550	Y	13.1
4,4'-DDT	27.95	27.90	28.00	962560				
Methoxychlor	37.87	37.79	37.94	285824				
Endrin ketone	37.93	37.85	38.02	433280	37.87	429440	Y	.9
a. Chlordane	18.58	18.56	18.61	1260800	18.57	1344020	Y	6.6
g. Chlordane	17.53	17.49	17.58	1482240	17.50	1593620	Y	7.5
Toxaphene	28.48	28.20	28.77	16320				
Aroclor-1016	9.97	9.87	10.07	139520				
Aroclor-1221	5.60	5.54	5.66	87168				
Aroclor-1232	9.98	9.88	10.08	65152				
Aroclor-1242	9.97	9.87	10.07	219520				
Aroclor-1248	9.97	9.87	10.07	100988				
Aroclor-1254	21.90	21.68	22.12	86784				
Aroclor-1260	34.18	33.84	34.53	153025				

Under QNT Y/N: enter Y if quantitation was performed, N if not performed.
%D must be less than or equal to 15.0% for quantitation, and less than or equal to 20.0% for confirmation.

Note: Determining that no compounds were found above the CRQL is a form of quantitation, and therefore at least one column must meet the 15.0% criteria.

For multicomponent analytes, the single largest peak that is characteristic of the component should be used to establish retention time and %D. Identification of such analytes is based primarily on pattern recognition.

PESTICIDE/PCB STANDARDS SUMMARY

Lab Name: ETCNJ Contract:

Lab Code: Case No.: SAS No.: SDG No.:

Instrument ID: Q GC Column ID: 1.5%SP2250/1.95%SP2401

	DATE(S) OF ANALYSIS FROM: 06/20/89 TO: 06/23/89			DATE OF ANALYSIS 06/23/89			
	TIME(S) OF ANALYSIS FROM: 1114 TO: 0245			TIME OF ANALYSIS 0152			
				EPA SAMPLE NO. (STANDARD) INDA			
COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR	RT	CALIBRATION FACTOR	QNT Y/N	%D
alpha-BHC	6.07	6.04	6.09	2771201				
beta-BHC	9.45	9.40	9.50	832000				
delta-BHC	10.87	10.81	10.92	1429760				
gamma-BHC	8.00	7.98	8.02	2195201	7.98	2558720	Y	16.6*
Heptachlor	9.85	9.83	9.88	2091520	9.83	2327041	Y	11.3
Aldrin	11.73	11.69	11.77	1786880	11.70	1984000	Y	11.0
Hept. epoxide	16.32	16.29	16.35	1651200	16.30	1770240	Y	7.2
Endosulfan I	18.95	18.90	19.00	1428480	18.92	1556480	Y	9.0
Dieldrin	21.38	21.34	21.43	1306240	21.35	1404810	Y	7.5
4,4'-DDE	20.83	20.79	20.88	1251200				
Endrin	23.70	23.65	23.75	464640				
Endosulfan II	26.07	26.00	26.13	890240	26.02	947210	Y	6.4
4,4'-DDD	25.80	25.71	25.89	934400				
Endo.sulfate	32.17	32.10	32.24	524800				
4,4'-DDT	27.95	27.90	28.00	962560	27.92	984330	Y	2.3
Methoxychlor	37.87	37.79	37.94	285824	37.82	305922	Y	7.0
Endrin ketone	37.93	37.85	38.02	433280				
a. Chlordane	18.58	18.56	18.61	1260800				
g. Chlordane	17.53	17.49	17.58	1482240				
Toxaphene	28.48	28.20	28.77	16320				
Aroclor-1016	9.97	9.87	10.07	139520				
Aroclor-1221	5.60	5.54	5.66	87168				
Aroclor-1232	9.98	9.88	10.08	65152				
Aroclor-1242	9.97	9.87	10.07	219520				
Aroclor-1248	9.97	9.87	10.07	100988				
Aroclor-1254	21.90	21.68	22.12	86784				
Aroclor-1260	34.18	33.84	34.53	153025				

Under QNT Y/N: enter Y if quantitation was performed, N if not performed.
%D must be less than or equal to 15.0% for quantitation, and less than or equal to 20.0% for confirmation.

Note: Determining that no compounds were found above the CRQL is a form of quantitation, and therefore at least one column must meet the 15.0% criteria.

For multicomponent analytes, the single largest peak that is characteristic of the component should be used to establish retention time and %D. Identification of such analytes is based primarily on pattern recognition.

9

PESTICIDE/PCB STANDARDS SUMMARY

Lab Name: ETCNJ Contract:

Lab Code: Case No.: SAS No.: SDG No.:

Instrument ID: Q GC Column ID: 1.5% SP2250/1.65% SP2401

	DATE(S) OF ANALYSIS FROM: 06/20/89 TO: 06/23/89				DATE OF ANALYSIS 06/23/89			
	TIME(S) OF ANALYSIS FROM: 1114 TO: 0245				TIME OF ANALYSIS 0245			
					EPA SAMPLE NO. (STANDARD) INDB			
COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR	RT	CALIBRATION FACTOR	QNT Y/N	%D
alpha-BHC	6.07	6.04	6.09	2771201	6.07	3294740	Y	18.9*
beta-BHC	9.45	9.40	9.50	832000	9.42	963840	Y	15.8*
delta-BHC	10.87	10.81	10.92	1429760	10.83	1753600	Y	22.6*
gamma-BHC	8.00	7.98	8.02	2195201				
Heptachlor	9.85	9.83	9.88	2091520				
Aldrin	11.73	11.69	11.77	1786880				
Hept. epoxide	16.32	16.29	16.35	1651200				
Endosulfan I	18.95	18.90	19.00	1428480				
Dieldrin	21.38	21.34	21.43	1306240				
4,4'-DDE	20.83	20.79	20.88	1251200	20.82	1401600	Y	12.0
Endrin	23.70	23.65	23.75	464640	23.68	720000	Y	55.0*
Endosulfan II	26.07	26.00	26.13	890240				
4,4'-DDD	25.80	25.71	25.89	934400	25.75	1105280	Y	18.3*
Endo.sulfate	32.17	32.10	32.24	524800	32.12	645120	Y	22.9*
4,4'-DDT	27.95	27.90	28.00	962560				
Methoxychlor	37.87	37.79	37.94	285824				
Endrin ketone	37.93	37.85	38.02	433280	37.90	416000	Y	4.0
a. Chlordane	18.58	18.56	18.61	1260800	18.58	1312000	Y	4.1
g. Chlordane	17.53	17.49	17.58	1482240	17.52	1655040	Y	11.7
Toxaphene	28.48	28.20	28.77	16320				
Aroclor-1016	9.97	9.87	10.07	139520				
Aroclor-1221	5.60	5.54	5.66	87168				
Aroclor-1232	9.98	9.88	10.08	65152				
Aroclor-1242	9.97	9.87	10.07	219520				
Aroclor-1248	9.97	9.87	10.07	100988				
Aroclor-1254	21.90	21.68	22.12	86784				
Aroclor-1260	34.18	33.84	34.53	153025				

Under QNT Y/N: enter Y if quantitation was performed, N if not performed.
%D must be less than or equal to 15.0% for quantitation, and less than or equal to 20.0% for confirmation.

Note: Determining that no compounds were found above the CRQL is a form of quantitation, and therefore at least one column must meet the 15.0% criteria.

For multicomponent analytes, the single largest peak that is characteristic of the component should be used to establish retention time and %D. Identification of such analytes is based primarily on pattern recognition.

PESTICIDE/PCB STANDARDS SUMMARY

Lab Name: ETCNJ Contract:

Lab Code: Case No.: SAS No.: SDG No.:

Instrument ID: H GC Column ID: DB-1701

	DATE(S) OF ANALYSIS FROM: 07/05/89 TO: 07/06/89			DATE OF ANALYSIS 07/06/89			
	TIME(S) OF ANALYSIS FROM: 1404 TO: 1118			TIME OF ANALYSIS 0146			
				EPA SAMPLE NO. (STANDARD) INDA			
COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR	RT	CALIBRATION FACTOR	QNT Y/N	%D
alpha-BHC	9.58	9.41	9.76	806400				
beta-BHC	13.55	13.34	13.76	410880				
delta-BHC	14.50	14.29	14.71	548980				
gamma-BHC	10.98	10.81	11.16	808960	11.08	917760	N	13.4
Heptachlor	11.78	11.59	11.97	1024000	11.88	1143040	N	11.6
Aldrin	12.80	12.61	12.99	811520	12.90	910080	N	12.1
Hept. epoxide	15.37	15.16	15.57	843520	15.48	947220	N	12.3
Endosulfan I	16.40	16.15	16.65	697600	16.53	741140	N	6.2
Dieldrin	17.93	17.67	18.19	536320	18.08	564490	N	5.3
4,4'-DDE	17.07	16.85	17.28	649600				
Endrin	18.97	18.68	19.25	398720				
Endosulfan II	21.52	21.15	21.88	299540	21.72	281910	N	5.9
4,4'-DDD	20.95	20.63	21.27	247040				
Endo.sulfate	27.12	26.69	27.54	288640				
4,4'-DDT	21.98	21.62	22.35	229760	22.18	190730	N	17.0
~~Methoxychlor~~	~~26.87~~	~~26.42~~	~~27.31~~	~~138752~~	~~27.12~~	~~103424~~	~~N~~	~~25.5*~~
Endrin ketone	30.90	30.37	31.43	99200				
a. Chlordane	16.87	16.44	17.29	647680				
g. Chlordane	16.57	16.35	16.78	828160				
Toxaphene								
Aroclor-1016								
Aroclor-1221								
Aroclor-1232								
Aroclor-1242								
Aroclor-1248	9.75	9.74	9.76	21760				
Aroclor-1254	15.05	15.03	15.07	41664				
Aroclor-1260	19.37	19.34	19.40	44096				

NWR 7/17/89

Under QNT Y/N: enter Y if quantitation was performed, N if not performed.
%D must be less than or equal to 15.0% for quantitation, and less than or equal to 20.0% for confirmation.

Note: Determining that no compounds were found above the CRQL is a form of quantitation, and therefore at least one column must meet the 15.0% criteria.

For multicomponent analytes, the single largest peak that is characteristic of the component should be used to establish retention time and %D. Identification of such analytes is based primarily on pattern recognition.

PESTICIDE/PCB STANDARDS SUMMARY

Lab Name: ETCNJ Contract:

Lab Code: Case No.: SAS No.: SDG No.:

Instrument ID: H GC Column ID: DB-1701

DATE(S) OF ANALYSIS	FROM: 07/05/89 TO: 07/06/89	DATE OF ANALYSIS	07/06/89
TIME(S) OF ANALYSIS	FROM: 1404 TO: 1118	TIME OF ANALYSIS	1034
		EPA SAMPLE NO. (STANDARD)	INDA

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR	RT	CALIBRATION FACTOR	QNT Y/N	%D
alpha-BHC	9.58	9.41	9.76	806400				
beta-BHC	13.55	13.34	13.76	410880				
delta-BHC	14.50	14.29	14.71	548980				
gamma-BHC	10.98	10.81	11.16	808960	11.08	916480	N	13.3
Heptachlor	11.78	11.59	11.97	1024000	11.90	1189120	N	16.1
Aldrin	12.80	12.61	12.99	811520	12.92	935680	N	15.3
Hept. epoxide	15.37	15.16	15.57	843520	15.48	992020	N	17.6
Endosulfan I	16.40	16.15	16.65	697600	16.55	808980	N	16.0
Dieldrin	17.93	17.67	18.19	536320	18.08	620170	N	15.6
4,4'-DDE	17.07	16.85	17.28	649600				
Endrin	18.97	18.68	19.25	398720				
Endosulfan II	21.52	21.15	21.88	299540	21.73	328970	N	9.8
4,4'-DDD	20.95	20.63	21.27	247040				
Endo.sulfate	27.12	26.69	27.54	288640				
4,4'-DDT	21.98	21.62	22.35	229760	22.20	232330	N	1.1
Methoxychlor	26.87	26.42	27.31	138752	27.13	128130	N	7.7
Endrin ketone	30.90	30.37	31.43	99200				
a. Chlordane	16.87	16.44	17.29	647680				
g. Chlordane	16.57	16.35	16.78	828160				
Toxaphene								
Aroclor-1016								
Aroclor-1221								
Aroclor-1232								
Aroclor-1242								
Aroclor-1248	9.75	9.74	9.76	21760				
Aroclor-1254	15.05	15.03	15.07	41664				
Aroclor-1260	19.37	19.34	19.40	44096				

Under QNT Y/N: enter Y if quantitation was performed, N if not performed.
%D must be less than or equal to 15.0% for quantitation, and less than or equal to 20.0% for confirmation.

Note: Determining that no compounds were found above the CRQL is a form of quantitation, and therefore at least one column must meet the 15.0% criteria.

For multicomponent analytes, the single largest peak that is characteristic of the component should be used to establish retention time and %D. Identification of such analytes is based primarily on pattern recognition.

PESTICIDE/PCB STANDARDS SUMMARY

Lab Name: ETCNJ Contract:

Lab Code: Case No.: SAS No.: SDG No.:

Instrument ID: H GC Column ID: DB-1701

DATE(S) OF ANALYSIS FROM: 07/05/89 TO: 07/06/89
TIME(S) OF ANALYSIS FROM: 1404 TO: 1118
DATE OF ANALYSIS 07/06/89
TIME OF ANALYSIS 1118
EPA SAMPLE NO. (STANDARD) INDB

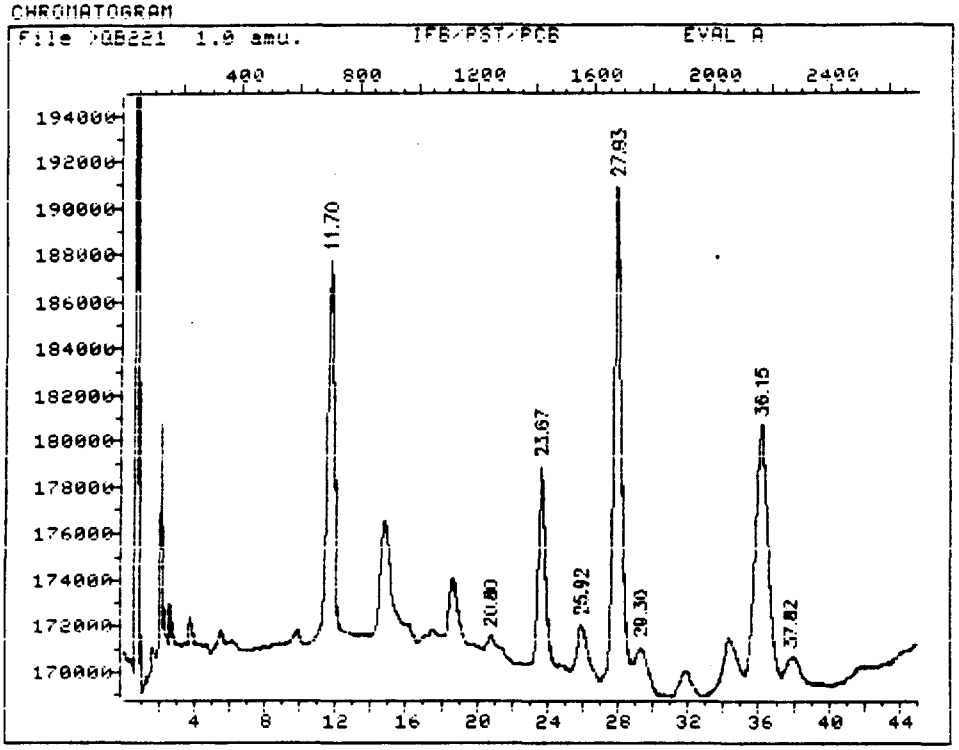
COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR	RT	CALIBRATION FACTOR	QNT Y/N	%D
alpha-BHC	9.58	9.41	9.76	806400	9.67	721920	N	10.5
beta-BHC	13.55	13.34	13.76	410880	13.65	378880	N	7.8
delta-BHC	14.50	14.29	14.71	548980	14.60	491540	N	10.5
gamma-BHC	10.98	10.81	11.16	808960				
Heptachlor	11.78	11.59	11.97	1024000				
Aldrin	12.80	12.61	12.99	811520				
Hept. epoxide	15.37	15.16	15.57	843520				
Endosulfan I	16.40	16.15	16.65	697600				
Dieldrin	17.93	17.67	18.19	536320				
4,4'-DDE	17.07	16.85	17.28	649600	17.17	551690	N	15.1
Endrin	18.97	18.68	19.25	398720	19.10	348170	N	12.7
Endosulfan II	21.52	21.15	21.88	299540				
4,4'-DDD	20.95	20.63	21.27	247040	21.10	219640	N	11.1
Endo.sulfate	27.12	26.69	27.54	288640	27.32	238090	N	17.5
4,4'-DDT	21.98	21.62	22.35	229760				
Methoxychlor	26.87	26.42	27.31	138752				
Endrin ketone	30.90	30.37	31.43	99200	31.15	81930	N	17.4
a. Chlordane	16.87	16.44	17.29	647680	16.67	721940	N	11.5
g. Chlordane	16.57	16.35	16.78	828160	16.67	721940	N	12.8
Toxaphene								
Aroclor-1016								
Aroclor-1221								
Aroclor-1232								
Aroclor-1242								
Aroclor-1248	9.75	9.74	9.76	21760				
Aroclor-1254	15.05	15.03	15.07	41664				
Aroclor-1260	19.37	19.34	19.40	44096				

Under QNT Y/N: enter Y if quantitation was performed, N if not performed.
%D must be less than or equal to 15.0% for quantitation, and less than or equal to 20.0% for confirmation.

Note: Determining that no compounds were found above the CRQL is a form of quantitation, and therefore at least one column must meet the 15.0% criteria.

For multicomponent analytes, the single largest peak that is characteristic of the component should be used to establish retention time and %D. Identification of such analytes is based primarily on pattern recognition.

CHROMATOGRAM



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Misc: EVAL A

Quant Output File: ^QB221::AQ
Instrument ID: QA
.01/.02NG

Id File: I018IP::US
Title: IFB/PST/PCB 1.5%SP2250/1.95%SP2401 2 UL INJECTION
Last Calibration: 890620 13:27

Operator ID: KT8582
Quant Time: 890620 13:28
Injected at: 890620 08:36

Operator ID: KT8582 Quant Rev: 7 Quant Time: 890620 13:2[illegible]
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Data File: >QB221::U6 Dilution Factor: 1.00000
Name: IFB/PST/PCB Instrument ID: QH
Misc: EVAL A .01/.02NG

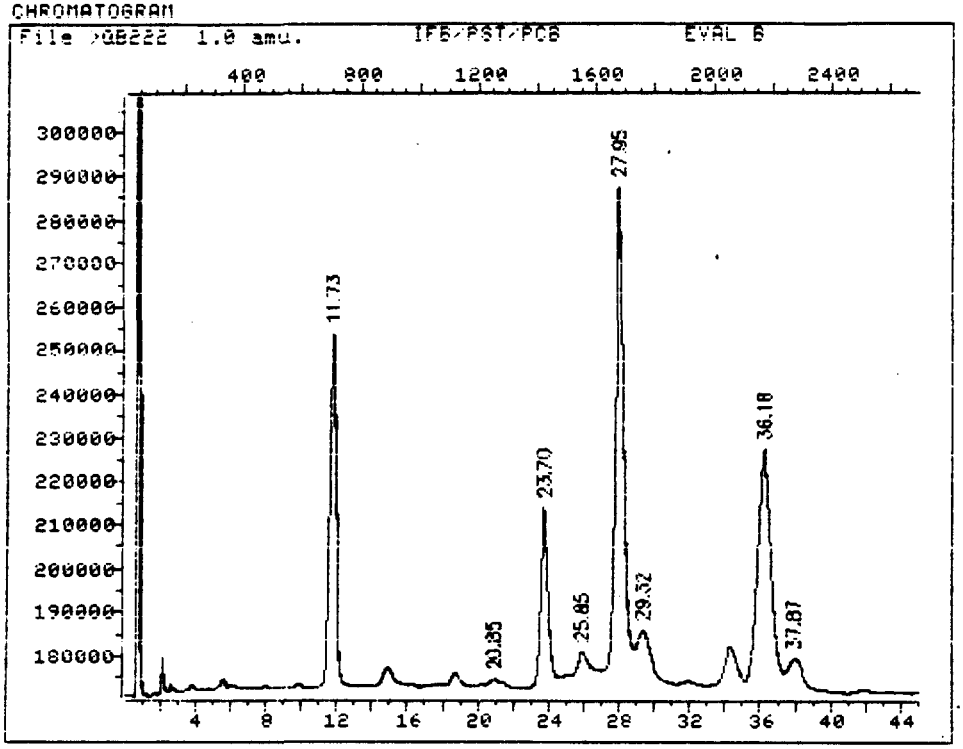
ID File: I018IP::US
Title: IFB/PST/PCB 1.5%SP2250/1.95%SP2401 2 UL INJECTION
Last Calibration: 890620 13:27

	Compound	R.T.	Scan#	Height	Conc	Units	q
6)	#Aldrin	11.70	700	16320	.00457	UG/ML	100
11)	#4,4'-DDE	20.80	1246	1024	.000409	UG/ML	100
13)	#Endrin	23.67	1418	8640	.00930	UG/ML	100
14)	#4,4'-DDD	25.92	1553	1984	.00106	UG/ML	100
16)	#4,4'-DDT	27.93	1674	21248	.0110	UG/ML	100
17)	#Endrin aldehyde	29.30	1756	2048	.00171	UG/ML	100
19)	#Dibutylchlorendate	36.15	2167	10880	.00861	UG/ML	100
20)	#Endrin ketone	37.82	2267	960	.00111	UG/ML	100

KT 6/28/89

Compound uses ESTD

CHROMATOGRAM



Data File: >QB222::U6
Name: IFB/PST/PCB
Misc: EVAL B

Quant Output File: ^QB222::AQ
Instrument ID: QA
.05/.1NG

Id File: I018IP::US
Title: IFB/PST/PCB 1.5%SP2250/1.95%SP2401 2 UL INJECTION
Last Calibration: 890620 13:27

Operator ID: KT8582
Quant Time: 890620 13:30
Injected at: 890620 09:29

Operator ID: KT8582 Quant Rev: 7 Quant Time: 890620 13:30
Output File: ^QB222::AQ Injected at: 890620 09:29
Data File: >QB222::06 Dilution Factor: 1.00000
Name: IFB/PST/PCB Instrument ID: QA
Misc: EVAL B .05/.1NG

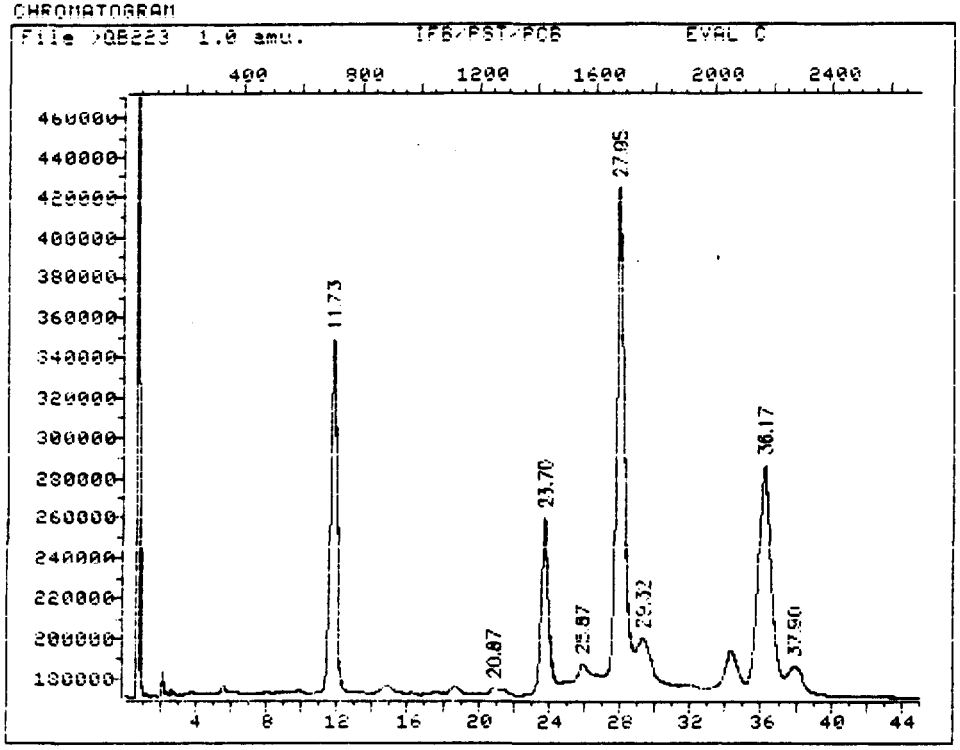
ID File: I018IP::US
Title: IFB/PST/PCB 1.5%SP2250/1.95%SP2401 2 UL INJECTION
Last Calibration: 890620 13:27

	Compound	R.T.	Scan#	Height	Conc	Units	q
6)	#Aldrin	11.73	702	81344	.0228	UG/ML	100
11)	#4,4'-DDE	20.85	1249	2112	.000844	UG/ML	100
13)	#Endrin	23.70	1420	41600	.0448	UG/ML	100
14)	#4,4'-DDD	25.85	1549	5632	.00301	UG/ML	100
16)	#4,4'-DDT	27.95	1675	110848	.0576	UG/ML	100
17)	#Endrin aldehyde	29.32	1757	6564M	.00548	UG/ML	100
19)	#Dibutylchlorendate	36.18	2169	52928	.0419	UG/ML	100
20)	#Endrin ketone	37.87	2270	3520	.00406	UG/ML	100

Compound uses ESTD

KT 6/23/89

CHROMATOGRAM



Data File: >QB223::U6
Name: IFB/PST/PCB
Misc: EVAL C

Quant Output File: ^QB223::AQ
Instrument ID: QA
.1/.2NG

Id File: I018IP::US
Title: IFB/PST/PCB 1.5%SP2250/1.95%SP2401 2 UL INJECTION
Last Calibration: 890620 13:27

Operator ID: KT8582
Quant Time: 890620 13:33
Injected at: 890620 10:21

Operator ID: KT8582 Quant Rev: 7 Quant Time: 890620 13:3?
Output File: ^QB223::AQ Injected at: 890620 10:21
Data File: >QB223::U6 Dilution Factor: 1.00000
Name: IFB/PST/PCB Instrument ID: QA
Misc: EVAL C .1/.2NG

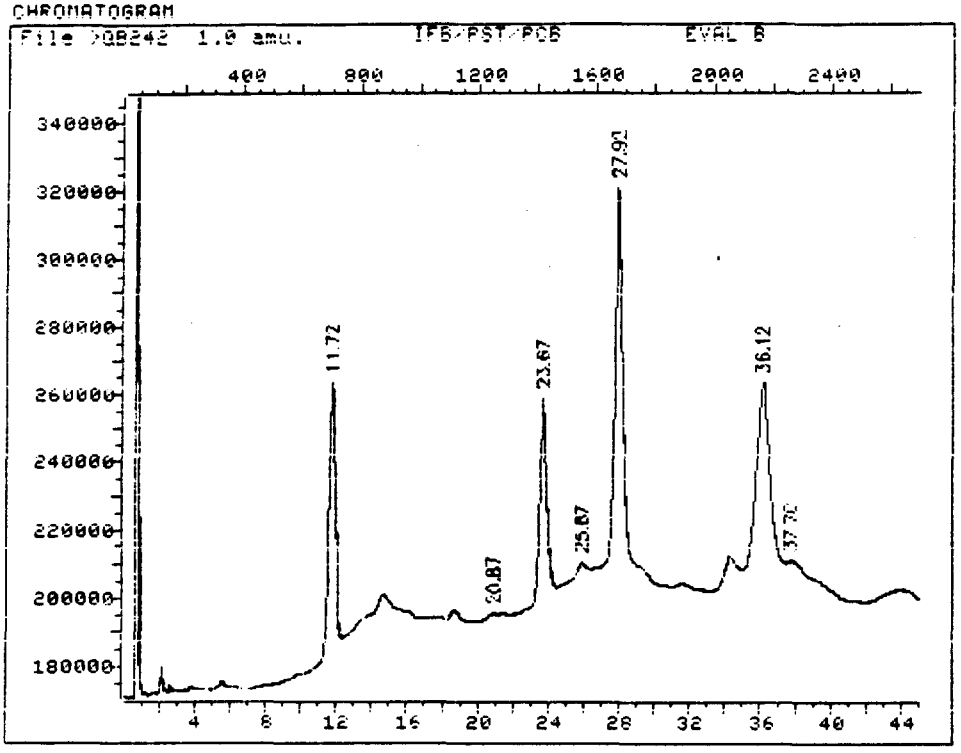
ID File: I018IP::US
Title: IFB/PST/PCB 1.5%SP2250/1.95%SP2401 2 UL INJECTION
Last Calibration: 890620 13:27

	Compound	R.T.	Scan#	Height	Conc	Units	q
6)	#Aldrin	11.73	702	176321	.0493	UG/ML	100
11)	#4,4'-DDE	20.87	1250	3648	.00146	UG/ML	100
13)	#Endrin	23.70	1420	88704	.0955	UG/ML	100
14)	#4,4'-DDD	25.87	1550	9024	.00483	UG/ML	100
16)	#4,4'-DDT	27.95	1675	243457	.126	UG/ML	100
17)	#Endrin aldehyde	29.32	1757	22720	.0190	UG/ML	100
19)	#Dibutylchlorendate	36.17	2168	108416	.0858	UG/ML	100
20)	#Endrin ketone	37.90	2272	14720	.0170	UG/ML	100

Compound uses ESTD

KT 6/23/89

CHROMATOGRAM



Data File: >QB242::Ua
Name: IFB/PST/PCB
Misc: EVAL B

Quant Output File: ^QB242::AQ
Instrument ID: QA
.05/.1NG

Id File: I018IP::US
Title: IFB/PST/PCB 1.5%SP2250/1.95%SP2401 2 UL INJECTION
Last Calibration: 890621 16:04

Operator ID: KT8582
Quant Time: 890621 17:11
Injected at: 890621 01:30

Operator ID: KT8582 Quant Rev: 7 Quant Time: 890621 17:13
Output File: ^QB242::A0 Injected at: 890621 01:30
Data File: >QB242::U6 Dilution Factor: 1.00000
Name: IFB/PST/PCB Instrument ID: QH
Misc: EVAL B .05/.1NG

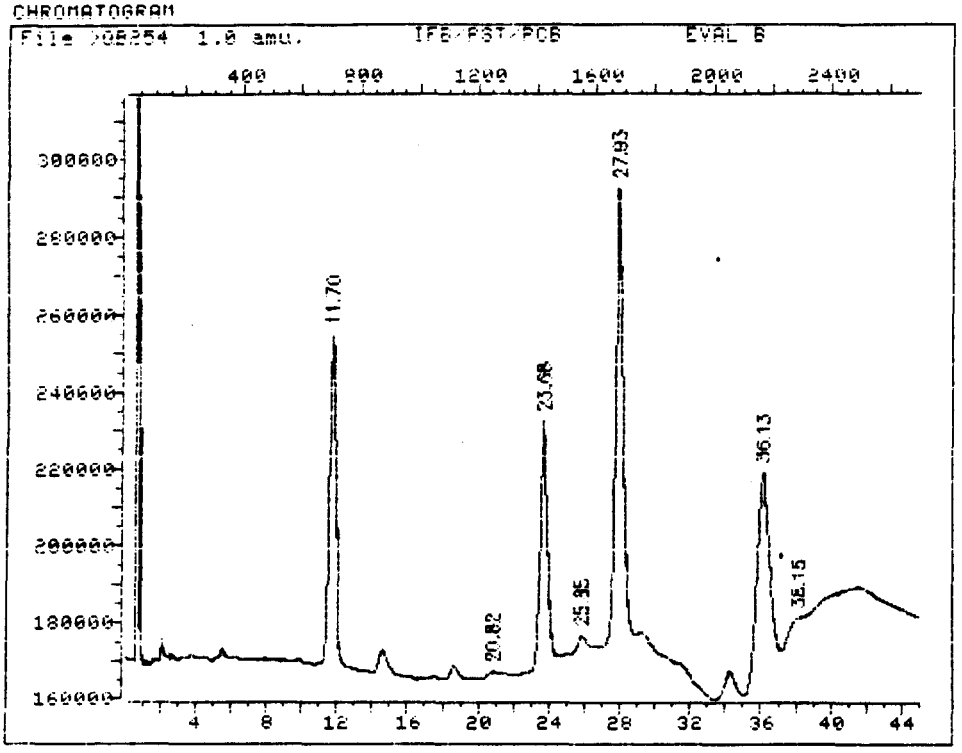
ID File: I018IP::US
Title: IFB/PST/PCB 1.5%SP2250/1.95%SP2401 2 UL INJECTION
Last Calibration: 890621 16:04

	Compound	R.T.	Scan#	Height	Conc	Units	q
6)	#Aldrin	11.72	701	84096	.0235	UG/ML	100
11)	#4,4'-DDE	20.87	1250	1984	.000793	UG/ML	100
13)	#Endrin	23.67	1418	63040	.0678	UG/ML	100
14)	#4,4'-DDD	25.87	1550	7168	.00384	UG/ML	100
16)	#4,4'-DDT	27.92	1673	112000	.0582	UG/ML	100
19)	#Dibutylchlorendate	36.12	2165	55040	.0436	UG/ML	100
20)	#Endrin ketone	37.70	2260	704	.000812	UG/ML	100

KT 6/28/89

Compound uses ESTD

CHROMATOGRAM



Data File: >QB254::U6
Name: IFB/PST/PCB

Quant Output File: ^QB254::AQ
Instrument ID: QA

Operator ID: KT8582 Quant Rev: 7 Quant Time: 890621 19:1r
Output File: ^QR254::AQ Injected at: 890621 18:26
Data File: >QR254::U6 Dilution Factor: 1.00000
Name: IFB/PST/PCB Instrument ID: QR
Misc: EVAL B .05/.1NG

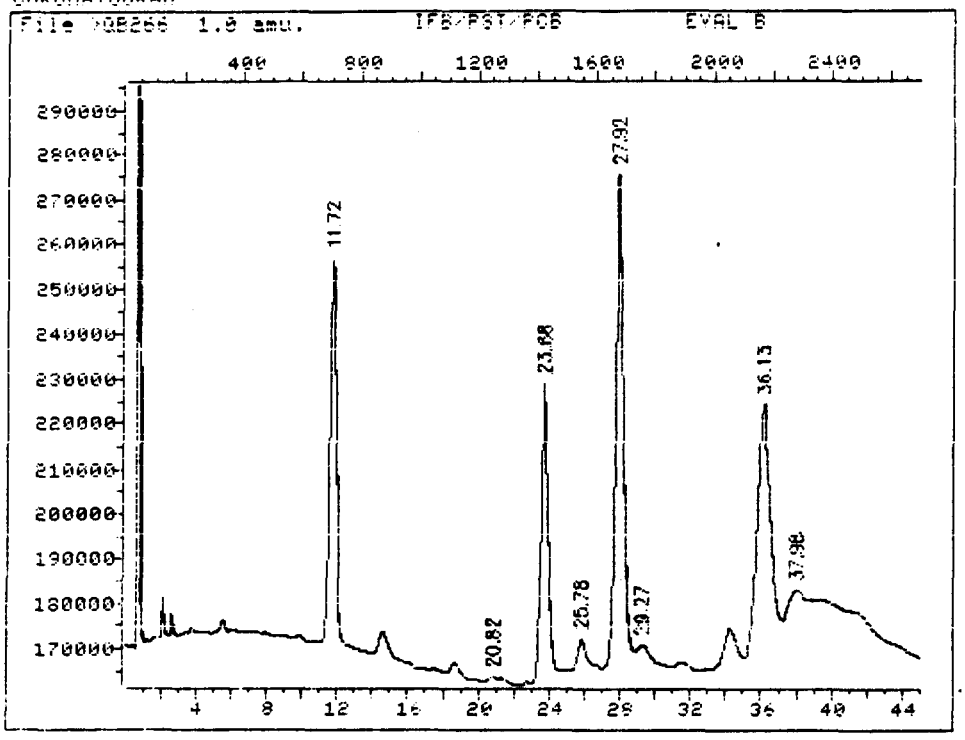
ID File: I018IP::US
Title: IFB PST/PCB 1.5%SP2250/1.95%SP2401 2 UL INJECTION
Last Calibration: 890621 16:04

	Compound	R.T.	Scan#	Height	Conc	Units	q
6)	#Aldrin	11.70	700	86784	.0243	UG/ML	100
11)	#4,4'-DDE	20.82	1247	1728	.000691	UG/ML	100
13)	#Endrin	23.68	1419	65728	.0707	UG/ML	100
14)	#4,4'-DDD	25.85	1549	4544	.00243	UG/ML	10[illegible]
16)	#4,4'-DDT	27.93	1674	118848	.0617	UG/ML	100
19)	#Dibutylchlorendate	36.13	2166	58505	.0462	UG/ML	10[illegible]
20)	#Endrin ketone	38.15	2287	8448	.00975	UG/ML	100

KT 6/23/89

Compound uses ESTD

CHROMATOGRAM



Data File: >QB266::U6
Name: IFB/PST/PCB
Misc: EVAL B

Quant Output File: ^QB266::AQ
Instrument ID: QA
.05/.1NG

Id File: I018IP::US
Title: IFB/PST/PCB 1.5%SP2250/1.95%SP2401 2 UL INJECTION
Last Calibration: 890621 16:04

Operator ID: KTR582
Quant Time: 890622 07:15
Injected at: 890622 06:24

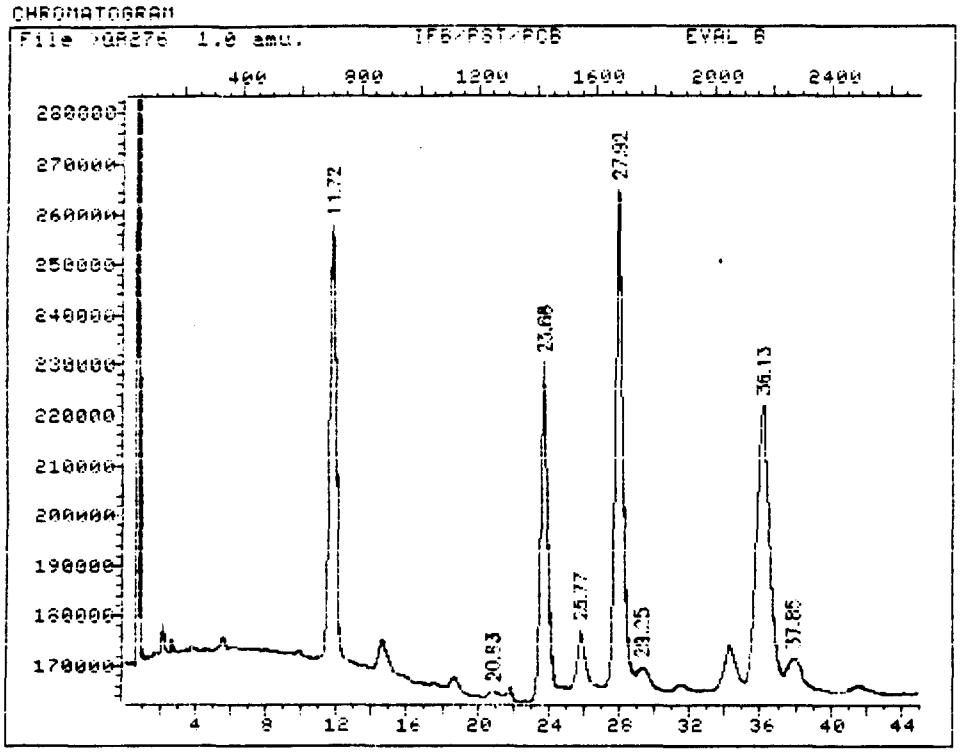
Operator ID: KT8582 Quant Rev: 7 Quant Time: 890622 07:15
Output File: ^QB266::AQ Injected at: 890622 06:24
Data File: >QB266::U6 Dilution Factor: 1.00000
Name: IFB/PST/PCB Instrument ID: QB
Misc: EVAL B .05/.1NG

ID File: I018IP::US
Title: IFB/PST/PCB 1.5%SP2250/1.95%SP2401 2 UL INJECTION
Last Calibration: 890621 16:04

	Compound	R.T.	Scan#	Height	Conc	Units	q
6)	#Aldrin	11.72	701	86080	.0241	UG/ML	100
11)	#4,4'-DDE	20.82	1247	1856	.000742	UG/ML	100
13)	#Endrin	23.68	1419	66881	.0720	UG/ML	100
14)	#4,4'-DDD	25.78	1545	6976	.00373	UG/ML	100
16)	#4,4'-DDT	27.92	1673	109696	.0570	UG/ML	100
17)	#Endrin aldehyde	29.27	1754	1472	.00123	UG/ML	100
19)	#Dibutylchlorendate	36.13	2166	56128	.0444	UG/ML	100
20)	#Endrin ketone	37.98	2277	6720	.00775	UG/ML	100

KT 6/22/89

Compound uses ESTD



Data File: >QR276::U6
Name: IFB/PST/PCB
Misc: EVAL B

Quant Output File: ^QR276::AQ
Instrument ID: QA
.05/.1NG

Id File: I018IP::US
Title: IFB/PST/PCB 1.5%SP2250/1.95%SP2401 2 UL INJECTION
Last Calibration: 890621 16:04

Operator ID: KTR582
Quant Time: 890622 16:01
Injected at: 890622 15:11

Operator ID: KT8582 Quant Rev: 7 Quant Time: 890622 16:0
Output File: ^QB276::AQ Injected at: 890622 15:11
Data File: ^QB276::U6 Dilution Factor: 1.0000
Name: IFB/PST/PCB Instrument ID: QB
Misc: EVAL B .05/.1NG

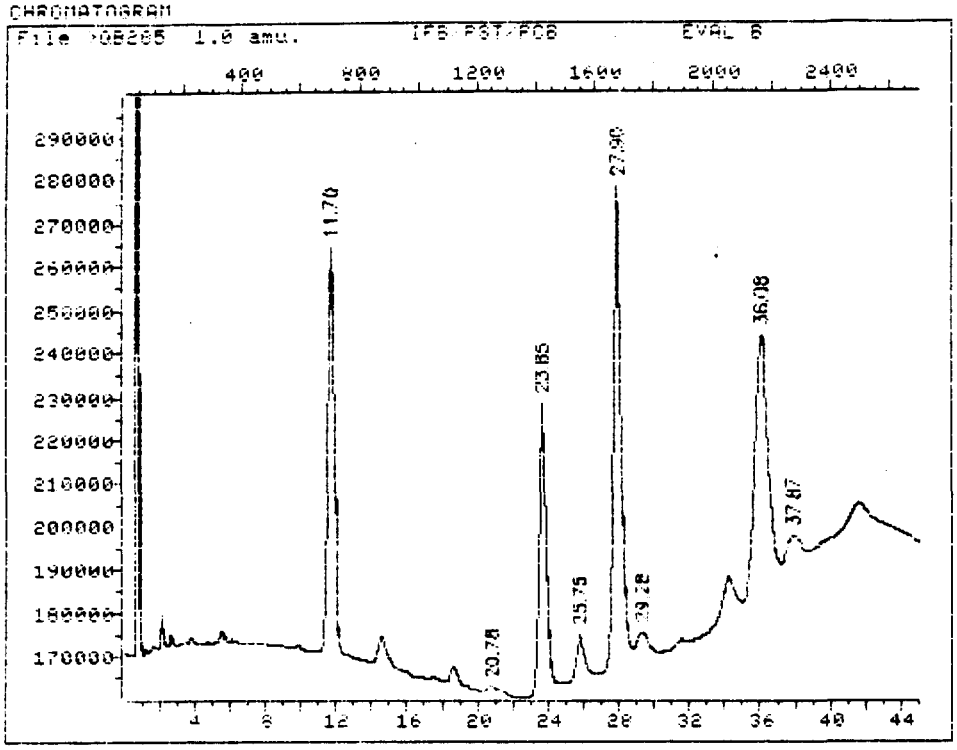
ID File: I018IP::US
Title: IFB/PST/PCB 1.5%SP2250/1.95%SP2401 2 UL INJECTION
Last Calibration: 890621 16:04

	Compound	R.T.	Scan#	Height	Conc	Units	q
6)	#Aldrin	11.72	701	86464	.0242	UG/ML	100
11)	#4,4'-DDE	20.83	1248	1011	.000404	UG/ML	100
13)	#Endrin	23.68	1419	67457	.0726	UG/ML	100
14)	#4,4'-DDD	25.77	1544	11392	.00610	UG/ML	100
16)	#4,4'-DDT	27.92	1673	98688	.0513	UG/ML	100
17)	#Endrin aldehyde	29.25	1753	1536	.00128	UG/ML	100
19)	#Dibutylchlorendate	36.13	2166	55104	.0436	UG/ML	100
20)	#Endrin ketone	37.85	2269	6144	.00709	UG/ML	100

KT 6/28/89

Compound uses ESTD

CHROMATOGRAM



Data File: >QB285::U6
Name: IFB/PST/PCB
Misc: EVAL B

Quant Output File: ^QB285::AQ
Instrument ID: QA
.05/.1NG

Id File: I018IP::US
Title: IFB/PST/PCB 1.5%SP2250/1.95%SP2401 2 UL INJECTION
Last Calibration: 890621 16:04

Operator ID: KT8582
Quant Time: 890623 01:50
Injected at: 890623 00:59

Operator ID: KT8582 Quant Rev: 7 Quant Time: 890623 01:50
Output File: ^QR285::AQ Injected at: 890623 00:59
Data File: >QR285::U6 Dilution Factor: 1.00000
Name: IFB/PST/PCB Instrument ID: QH
Misc: EVAL B .05/.1NG

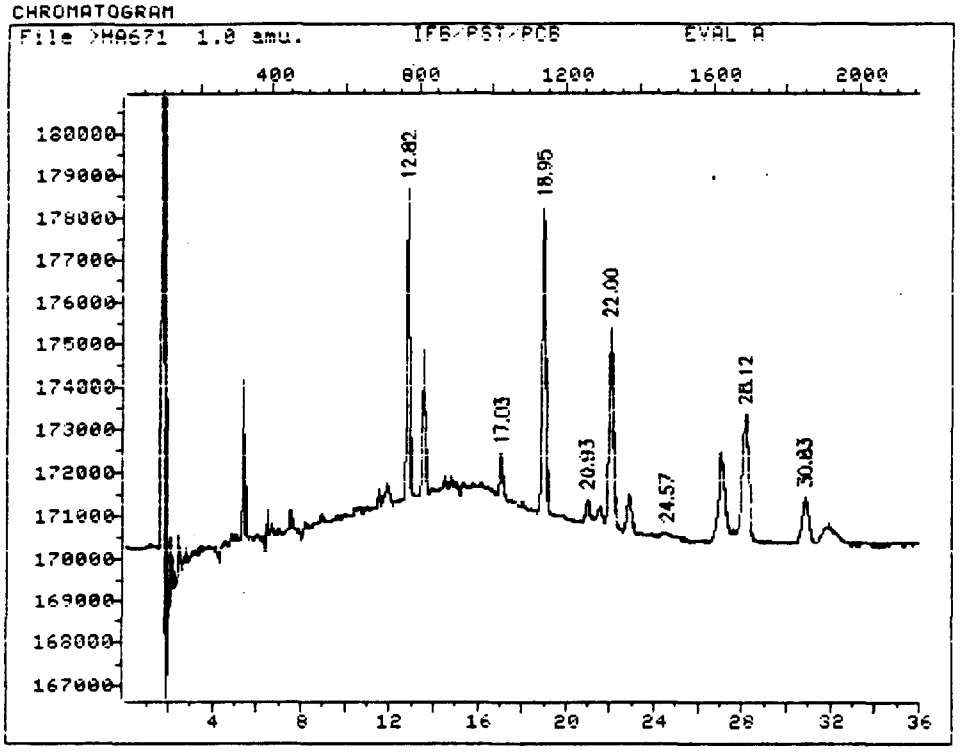
ID File: I018IP::U5
Title: IFB/PST/PCB 1.5%SP2250/1.95%SP2401 2 UL INJECTION
Last Calibration: 890621 16:04

	Compound	R.T.	Scan#	Height	Conc	Units	q
6)	#Aldrin	11.70	700	94336	.0264	UG/ML	100
11)	#4,4'-DDE	20.78	1245	1344	.000537	UG/ML	100
13)	#Endrin	23.65	1417	68289	.0735	UG/ML	100
14)	#4,4'-DDD	25.75	1543	11073	.00593	UG/ML	100
16)	#4,4'-DDT	27.90	1672	112640	.0585	UG/ML	100
17)	#Endrin aldehyde	29.28	1755	4480	.00374	UG/ML	100
19)	#Dibutylchlorendate	36.08	2163	61952	.0490	UG/ML	100
20)	#Endrin ketone	37.87	2270	6464	.00746	UG/ML	100

KT 6/28/89

Compound uses ESTD

CHROMATOGRAM



Data File: >HA671::U4 Quant Output File: ^HA671::AQ
Name: IFB/PST/PCB Instrument ID: HA
Misc: EVAL A

Id File: I029IC::US
Title: IFB/PST/PCB DB-1701 2UL INJ
Last Calibration: 890705 16:49

Operator ID: KT8582
Quant Time: 890705 16:51
Injected at: 890705 11:53

Operator ID: KT8582 Quant Rev: 7 Quant Time: 890705 16:51
Output File: ^HA671::AQ Injected at: 890705 11:53
Data File: >HA671::U4 Dilution Factor: 1.00000
Name: IFB/PST/PCB Instrument ID: HA
Misc: EVAL A

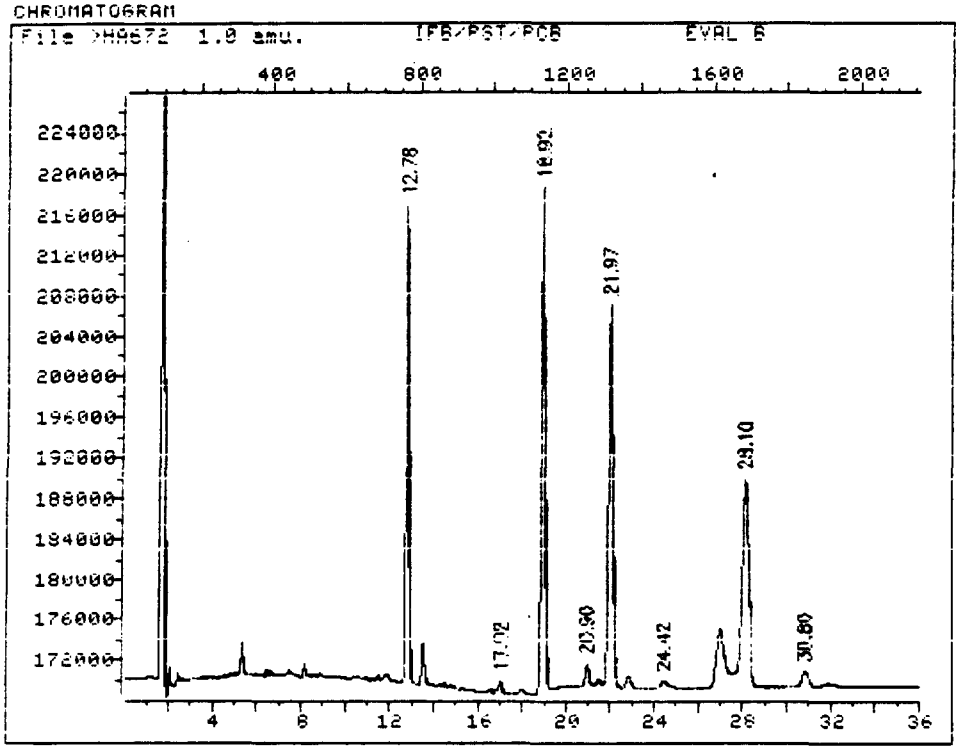
ID File: I029IC::US
Title: IFB/PST/PCB DB-1701 2UL INJ
Last Calibration: 890705 16:49

	Compound	R.T.	Scan#	Height	Conc	Units	q
6)	#Aldrin	12.82	767	7296	.00450	UG/ML	100
11)	#4,4'-DDE	17.03	1020	1152	.000887	UG/ML	100
13)	#Endrin	18.95	1135	7296	.00915	UG/ML	100
14)	#4,4'-DDD	20.93	1254	576	.00117	UG/ML	100
16)	#4,4'-DDT	22.00	1318	4800	.0104	UG/ML	100
17)	#Endrin aldehyde	24.57	1472	192	.000540	UG/ML	100
19)	#Dibutylchlorendate	28.12	1685	3008	.00813	UG/ML	100
20)	#Endrin ketone	30.83	1848	1088	.00548	UG/ML	100

KT 7/6/89

Compound uses ESTD

CHROMATOGRAM



Data File: >HA672::U4
Name: IFB/PST/PCB
Misc: EVAL B

Quant Output File: ^HA672::AQ
Instrument ID: HA

Id File: I029IC::US
Title: IFB/PST/PCB DB-1701 2UL INJ
Last Calibration: 890705 16:49

Operator ID: KT8582
Quant Time: 890705 16:54
Injected at: 890705 12:37

QUANT REPORT Page 1

Operator ID: KT8582 Quant Rev: 7 Quant Time: 890705 16:54
Output File: ^HA672::AQ Injected at: 890705 12:37
Data File: >HA672::U4 Dilution Factor: 1.00000
Name: IFB/PST/PCB Instrument ID: HA
Misc: EVAL B

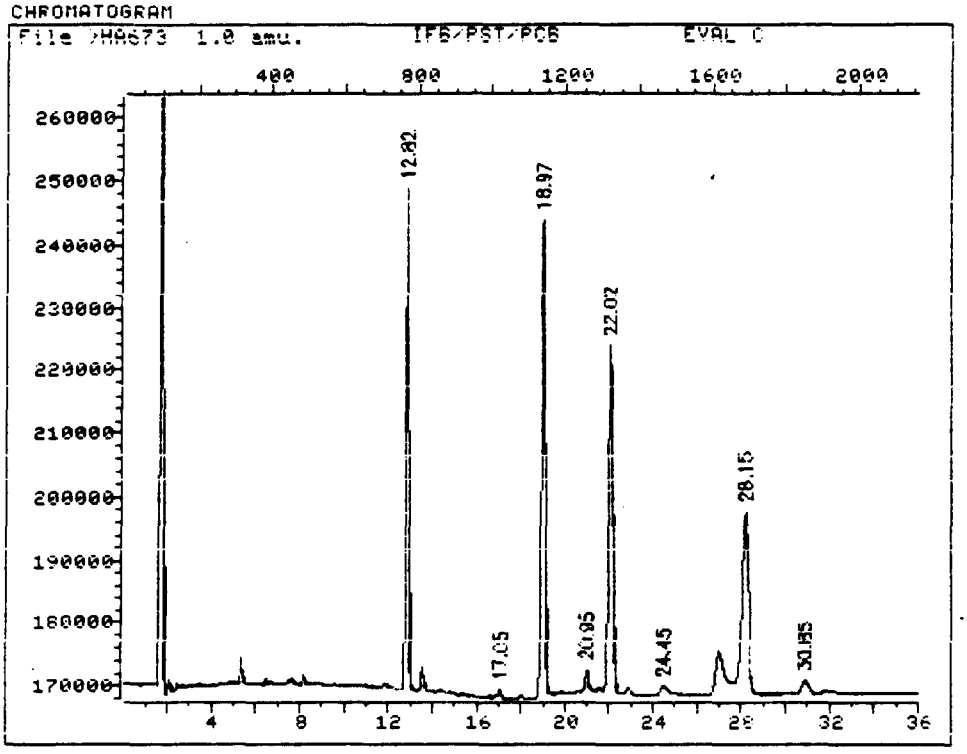
ID File: I029IC::US
Title: IFB/PST/PCB DB-1701 2UL INJ
Last Calibration: 890705 16:49

	Compound	R.T.	Scan#	Height	Conc	Units	q
6)	#Aldrin	12.78	765	47168	.0291	UG/ML	100
11)	#4,4'-DDE	17.02	1019	1408	.00108	UG/ML	100
13)	#Endrin	18.92	1133	49920	.0626	UG/ML	100
14)	#4,4'-DDD	20.90	1252	2304	.00466	UG/ML	100
16)	#4,4'-DDT	21.97	1316	37760	.0822	UG/ML	100
17)	#Endrin aldehyde	24.42	1463	768	.00216	UG/ML	100
19)	#Dibutylchlorendate	28.10	1684	20480	.0554	UG/ML	100
20)	#Endrin ketone	30.80	1846	1600	.00806	UG/ML	100

KT 7/6/89

Compound uses ESTD

CHROMATOGRAM



Data File: >HA673::U4 Quant Output File: ^HA673::AQ
Name: IFB/PST/PCB Instrument ID: HA
Misc: EVAL C

Ld File: I029IC::US
Title: IFB/PST/PCB DB-1701 2UL INJ
Last Calibration: 890705 16:49

Operator ID: KT8582
Quant Time: 890705 16:56
Injected at: 890705 13:20

QUANT REPORT Page 1

Operator ID: KT8582 Quant Rev: 7 Quant Time: 890705 16:56
Output File: ^HA673::AQ Injected at: 890705 13:20
Data File: >HA673::U4 Dilution Factor: 1.00000
Name: IFB/PST/PCB Instrument ID: HA
Misc: EVAL C

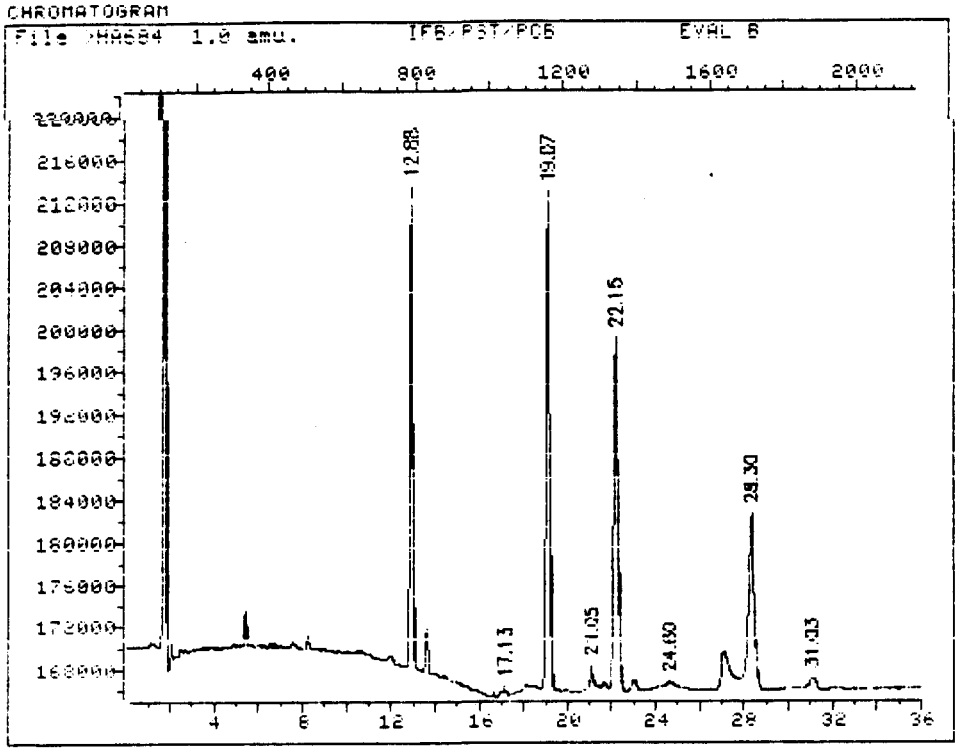
ID File: I029IC::US
Title: IFB/PST/PCB DB-1701 2UL INJ
Last Calibration: 890705 16:49

	Compound	R.T.	Scan#	Height	Conc	Units	q
6)	#Aldrin	12.82	767	79616	.0491	UG/ML	100
11)	#4,4'-DDE	17.05	1021	1536	.00118	UG/ML	100
13)	#Endrin	18.97	1136	75840	.0951	UG/ML	100
14)	#4,4'-DDD	20.95	1255	3648	.00738	UG/ML	100
16)	#4,4'-DDT	22.02	1319	55232	.120	UG/ML	100
17)	#Endrin aldehyde	24.45	1465	1408	.00396	UG/ML	100
19)	#Dibutylchlorendate	28.15	1687	29120	.0787	UG/ML	100
20)	#Endrin ketone	30.85	1849	2304	.0116	UG/ML	100

KT 7/6/89

Compound uses ESTD

CHROMATOGRAM



Data File: >HA684::U4
Name: IFB/PST/PCB
Misc: EVAL B

Quant Output File: ^HA684::AQ
Instrument ID: HA

Id File: I029IC::US
Title: IFB/PST/PCB DB-1701 2UL INJ
Last Calibration: 890705 18:01

Operator ID: KT8582
Quant Time: 890705 22:04
Injected at: 890705 21:22

Operator ID: KT8982 Quant Rev: 7 Quant Time: 890705 22:04
Output File: ^HA684::AQ Injected at: 890705 21:22
Data File: >HA684::U4 Dilution Factor: 1.00000
Name: IFB/PST/PCB Instrument ID: HA
Misc: EVAL B

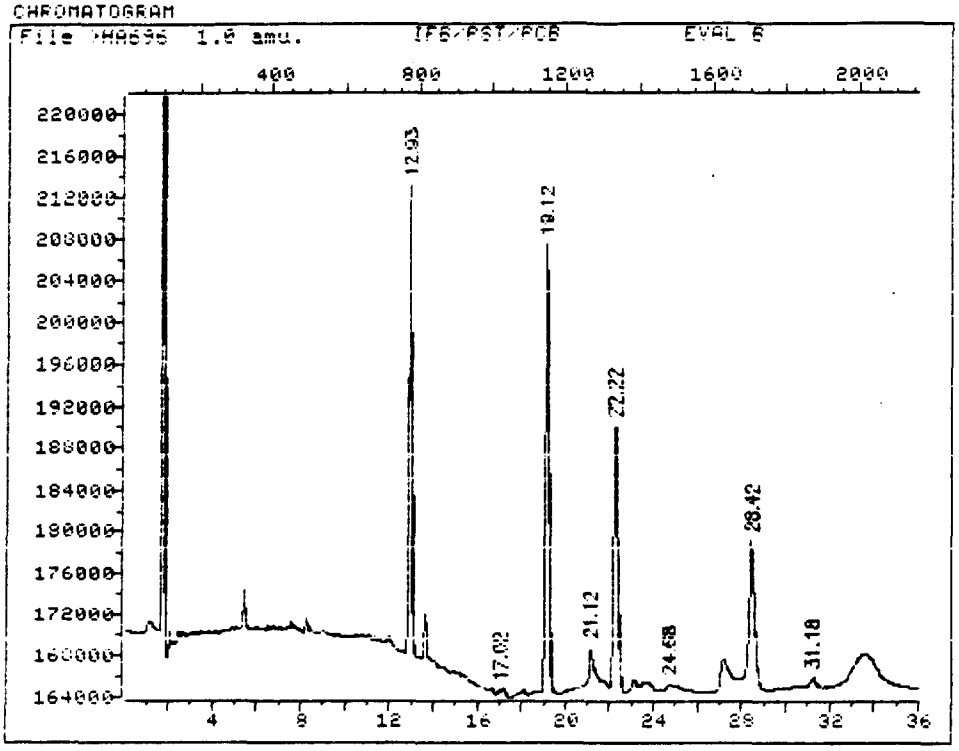
ID File: I029IC::US
Title: IFB/PST/PCB DB-1701 2UL INJ
Last Calibration: 890705 18:01

	Compound	R.T.	Scan#	Height	Conc	Units	q
6)	#Aldrin	12.88	771	45440	.0280	UG/ML	100
11)	#4,4'-DDE	17.13	1026	916	.000705	UG/ML	100
13)	#Endrin	19.07	1142	46784	.0587	UG/ML	100
14)	#4,4'-DDD	21.05	1261	2368	.00479	UG/ML	100
16)	#4,4'-DDT	22.15	1327	33344	.0726	UG/ML	100
17)	#Endrin aldehyde	24.60	1474	876	.00162	UG/ML	100
19)	#Dibutylchlorendate	28.30	1696	16576	.0448	UG/ML	100
20)	#Endrin ketone	31.03	1860	1024	.00516	UG/ML	100

Compound uses ESTD

KT 7/6/89

CHROMATOGRAM



Data File: >HA69o::U5 Quant Output File: ^HA696::AQ
Name: IFB/PST/PCB Instrument ID: HA
Misc: EVAL B

Id File: I029IC::US
Title: IFB/PST/PCB DB-1701 2UL INJ
Last Calibration: 890705 18:01

Operator ID: KT8582
Quant Time: 890706 06:52
Injected at: 890706 06:11

QUANT REPORT Page 1

Operator ID: KT8582 Quant Rev: 7 Quant Time: 890706 06:5
Output File: ^HA696::AQ Injected at: 890706 06:11
Data File: >HA696::U5 Dilution Factor: 1.0000
Name: IFB/PST/PCB Instrument ID: HA
Misc: EVAL B

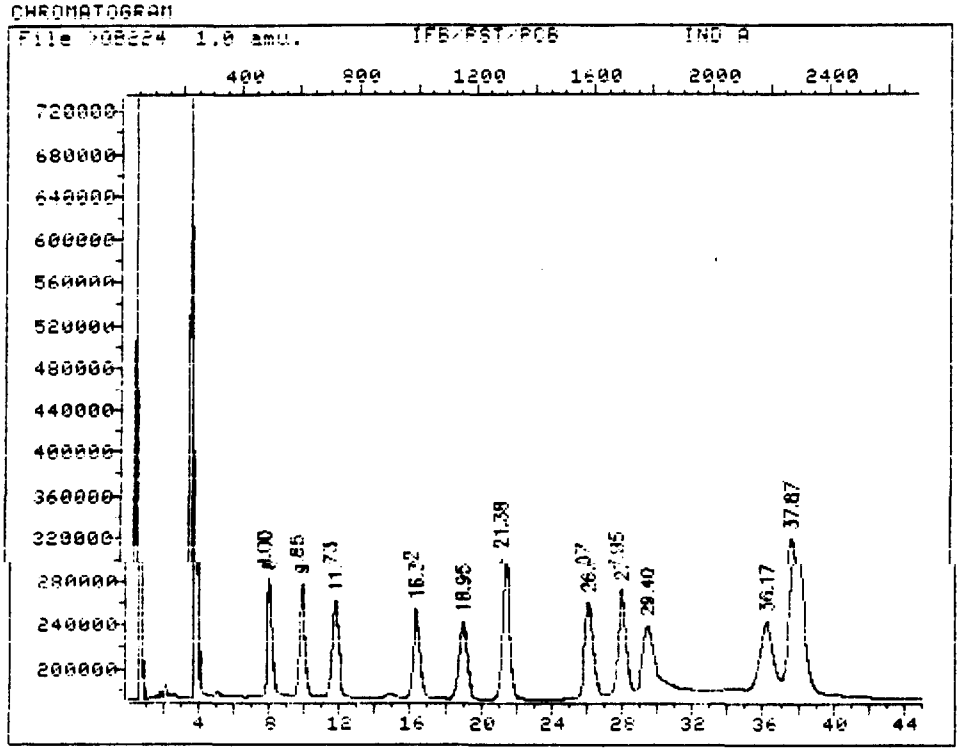
ID File: I029IC::US
Title: IFB/PST/PCB DB-1701 2UL INJ
Last Calibration: 890705 18:01

	Compound	R.T.	Scan#	Height	Conc	Units	q
6)	#Aldrin	12.93	774	45248	.0279	UG/ML	100
11)	#4,4'-DDE	17.02	1019	704	.000542	UG/ML	10
13)	#Endrin	19.12	1145	42945	.0539	UG/ML	100
14)	#4,4'-DDD	21.12	1265	4097	.00829	UG/ML	100
16)	#4,4'-DDT	22.22	1331	25601	.0557	UG/ML	100
17)	#Endrin aldehyde	24.68	1479	577	.00162	UG/ML	10
19)	#Dibutylchlorendate	28.42	1703	14209	.0384	UG/ML	100
20)	#Endrin ketone	31.18	1869	897	.00452	UG/ML	10

KT 7/6/89

Compound uses ESTD

CHROMATOGRAM



Data File: >QB224::U6 Quant Output File: ^QB224::AQ
Name: IFB/PST/PCB Instrument ID: QA
Misc: IND A .05/.1/.5NG

Id File: I018IP::US
Title: IFB/PST/PCB 1.5%SP2250/1.95%SP2401 2 UL INJECTION
Last Calibration: 890526 08:58

Operator ID: KT8582
Quant Time: 890620 12:05
Injected at: 890620 11:14

Operator ID: KT8582 Quant Rev: 7 Quant Time: 890620 12:05
Output File: ^QB224::AQ Injected at: 890620 11:14
Data File: >QB224::U6 Dilution Factor: 1.00000
Name: IFB/PST/PCB Instrument ID: QA
Misc: IND A .05/.1/.5NG

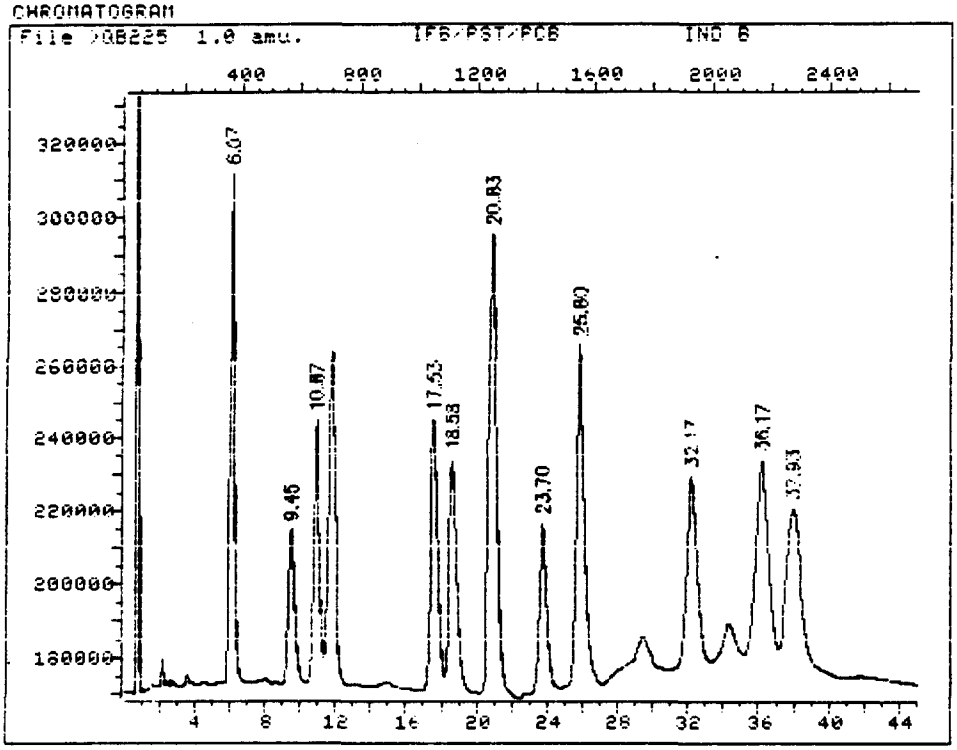
ID File: I018IP::US
Title: IFB/PST/PCB 1.5%SP2250/1.95%SP2401 2 UL INJECTION
Last Calibration: 890526 08:58

	Compound	R.T.	Scan#	Height	Conc	Units	q
2)	#Gamma-BHC	8.00	478	109760	.0493	UG/ML	100
4)	#Heptachlor	9.85	589	104576	.0501	UG/ML	100
6)	#Aldrin	11.73	702	89344	.0516	UG/ML	100
7)	#Heptachlor epoxide	16.32	977	82560	.0515	UG/ML	100
10)	#Endosulfan I	18.95	1135	71424	.0501	UG/ML	100
12)	#Dieldrin	21.38	1281	130624	.101	UG/ML	100
15)	#Endosulfan II	26.07	1562	89024	.0724	UG/ML	100
16)	#4,4'-DDT	27.95	1675	96256	.103	UG/ML	100
17)	#Endrin aldehyde	29.40	1762	59904	.113	UG/ML	100
19)	#Dibutylchlorendate	36.17	2168	63168	.127	UG/ML	100
21)	#Methoxychlor	37.87	2270	142912	.126	UG/ML	100

KT 6/29/89

Compound uses ESTD

CHROMATOGRAM



Data File: >QB225::U6 Quant Output File: ^QB225::AQ
Name: IFB/PST/PCB Instrument ID: QA
Misc: IND B .05/.1NG

Id File: I018IP::US
Title: IFB/PST/PCB 1.5%SP2250/1.95%SP2401 2 UL INJECTION
Last Calibration: 890526 08:58

Operator ID: KTB582
Quant Time: 890620 12:57
Injected at: 890620 12:07

Operator ID: KT8582 Quant Rev: 7 Quant Time: 890620 12:5?
Output File: ^QB225::AQ Injected at: 890620 12:07
Data File: >QB225::U6 Dilution Factor: 1.00000
Name: IFB/PST/PCB Instrument ID: QA
Misc: IND B .05/.1NG

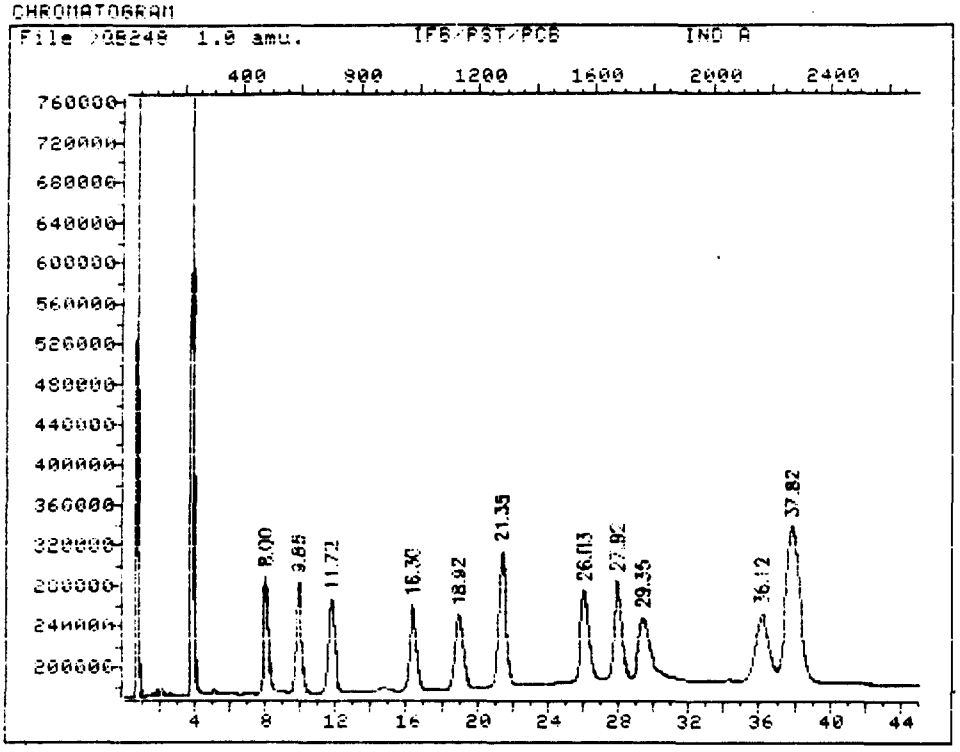
ID File: I018IP::US
Title: IFB/PST/PCB 1.5%SP2250/1.95%SP2401 2 UL INJECTION
Last Calibration: 890526 08:58

	Compound	R.T.	Scan#	Height	Conc	Units	q
1)	#Alpha-BHC	6.07	362	138560	.0482	UG/ML	100
3)	#Beta-BHC	9.45	565	41600	.0481	UG/ML	100
5)	#Delta-BHC	10.87	650	71488	.0486	UG/ML	100
8)	#gamma-Chlordane	17.53	1050	74112	.0514	UG/ML	100
9)	#alpha-Chlordane	18.58	1113	63040	.0521	UG/ML	100
11)	#4,4'-DDE	20.83	1248	125120	.103	UG/ML	100
13)	#Endrin	23.70	1420	46464	.0924	UG/ML	100
14)	#4,4'-DDD	25.80	1546	93440	.0992	UG/ML	100
18)	#Endosulfan sulfate	32.17	1928	52480	.0958	UG/ML	100
19)	#Dibutylchlorendate	36.17	2168	52736	.106	UG/ML	100
20)	#Endrin ketone	37.93	2274	43328	.113	UG/ML	100

Compound uses ESTD

KT 6/22/89

CHROMATOGRAM



Data File: >QB248::U6 Quant Output File: ^QB248::AQ
Name: IFB/PST/PCB Instrument ID: QA
Misc: IND A .05/.1/.5NG

Id File: I018IP::US
Title: IFB/PST/PCB 1.5%SP2250/1.95%SP2401 2 UL INJECTION
Last Calibration: 890621 16:04

Operator ID: KT8582
Quant Time: 890621 17:21
Injected at: 890621 06:46

Operator ID: KT8582 Quant Rev: 7 Quant Time: 890621 17:2
Output File: ^QB248::AQ Injected at: 890621 06:46
Data File: >QB248::U6 Dilution Factor: 1.00000
Name: IFB/PST/PCB Instrument ID: QB
Misc: IND A .05/.1/.5NG

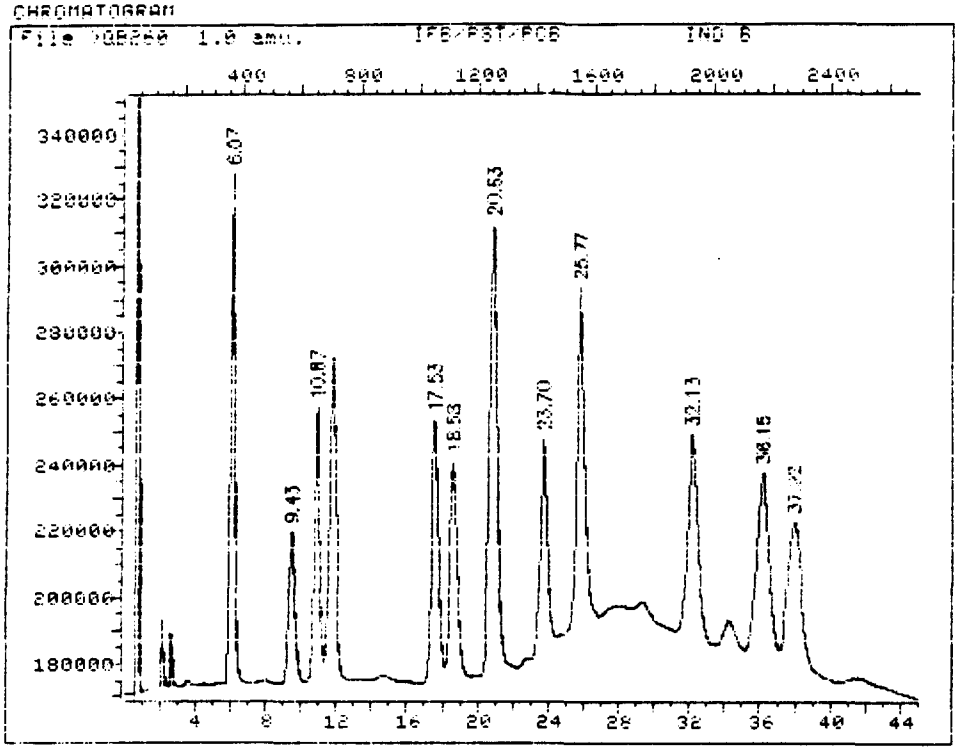
ID File: I018IP::US
Title: IFB/PST/PCB 1.5%SP2250/1.95%SP2401 2 UL INJECTION
Last Calibration: 890621 16:04

	Compound	R.T.	Scan#	Height	Conc	Units	q
2)	#Gamma-BHC	8.00	478	117120	.0267	UG/ML	100
4)	#Heptachlor	9.35	589	109568	.0262	UG/ML	100
6)	#Aldrin	11.72	701	92992	.0260	UG/ML	100
7)	#Heptachlor epoxide	16.30	976	84480	.0256	UG/ML	100
10)	#Endosulfan I	18.92	1133	73408	.0257	UG/ML	100
12)	#Dieldrin	21.35	1279	134400	.0514	UG/ML	100
15)	#Endosulfan II	26.03	1560	90048	.0506	UG/ML	100
16)	#4,4'-DDT	27.92	1673	96640	.0502	UG/ML	100
17)	#Endrin aldehyde	29.35	1759	59008	.0493	UG/ML	100
19)	#Dibutylchlorendate	36.12	2165	64448	.0510	UG/ML	100
21)	#Methoxychlor	37.82	2267	152833	.0134	UG/ML	100

Compound uses ESTD

KT 6/28/89

CHROMATOGRAM



Data File: >QH260::U6
Name: IFB/PST/PCB
Misc: IND B

Quant Output File: ^QH260::AQ
Instrument ID: QA
.05/.1NG

Id File: I018IP::US
Title: IFB/PST/PCB 1.9%SP2250/1.95%SP2401 2 UL INJECTION
Last Calibration: 890621 16:04

Operator ID: KT858Q
Quant Time: 890622 01:58
Injected at: 890622 01:08

Operator ID: KT8982 Quant Rev: 7 Quant Time: 890622 01:5
Output File: ^QB260::AQ Injected at: 890622 01:08
Data File: >QB260::U6 Dilution Factor: 1.0000
Name: IFB/PST/PCB Instrument ID: QB
Misc: IND B .05/.ING

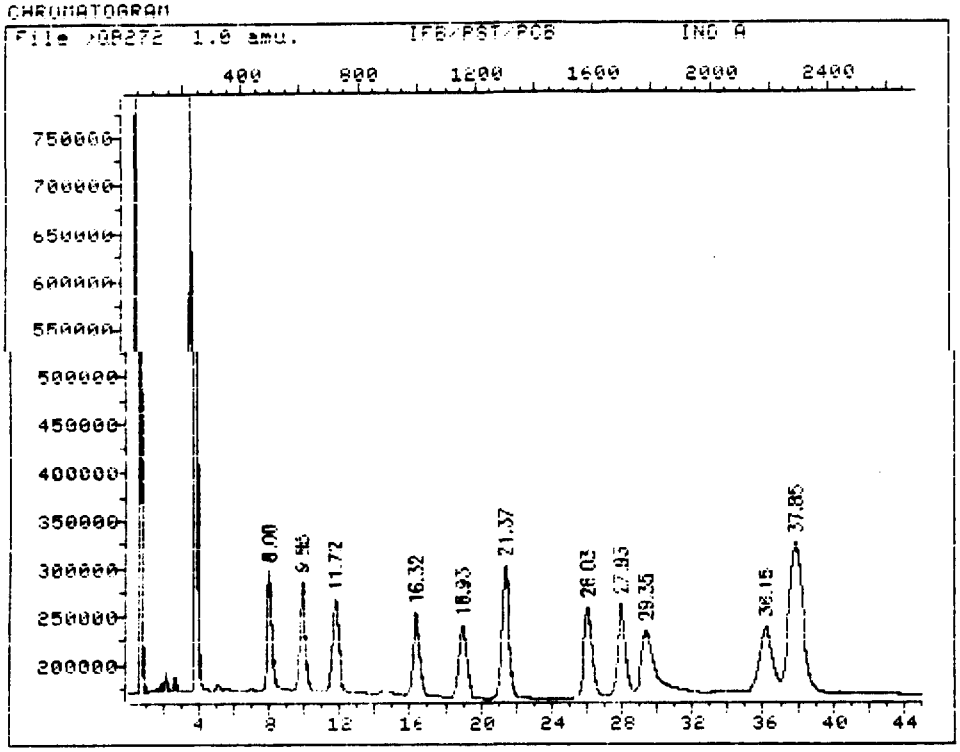
ID File: I018IP::US
Title: IFB/PST/PCB 1.5%SP2250/1.95%SP2401 2 UL INJECTION
Last Calibration: 890621 16:04

	Compound	R.T.	Scan#	Height	Conc	Units	q
1)	#Alpha-BHC	6.07	362	153664	.0277	UG/ML	100
3)	#Beta-BHC	9.43	564	45696	.0275	UG/ML	100
5)	#Delta-BHC	10.87	650	82368	.0288	UG/ML	100
8)	#gamma-Chlordane	17.53	1050	78848	.0266	UG/ML	100
9)	#alpha-Chlordane	18.58	1113	64448	.0256	UG/ML	100
11)	#4,4'-DDE	20.83	1248	136000	.0543	UG/ML	100
13)	#Endrin	23.70	1420	52262M	.0562	UG/ML	100
14)	#4,4'-DDD	25.77	1544	105088	.0562	UG/ML	100
18)	#Endosulfan sulfate	32.13	1926	59715M	.0569	UG/ML	100
19)	#Dibutylchlorendate	36.15	2167	53312	.0422	UG/ML	100
20)	#Endrin ketone	37.92	2273	45568	.0526	UG/ML	100

Compound uses ESTD

KT 6/28/89

CHROMATOGRAM



Data File: >QB272::UA
Name: IFB/PST/PCB
Misc: IND A

Quant Output File: ^QB272::AQ
Instrument ID: QA
.05/.1/.5NG

Id File: IN18IP::US
Title: IFB/PST/PCB 1.5%SP2250/1.95%SP2401 2 UL INJECTION
Last Calibration: 890621 16:04

Operator ID: KT:582
Quant Time: 890622 12:31
Injected at: 890622 11:40

Operator ID: KT8582 Quant Rev: 7 Quant Time: 890622 12:3
Output File: ^QB272::AQ Injected at: 890622 11:40
Data File: >QB272::U6 Dilution Factor: 1.0000
Name: IFB/PST/PCB Instrument ID: QH
Misc: IND A .05 .1/.5NG

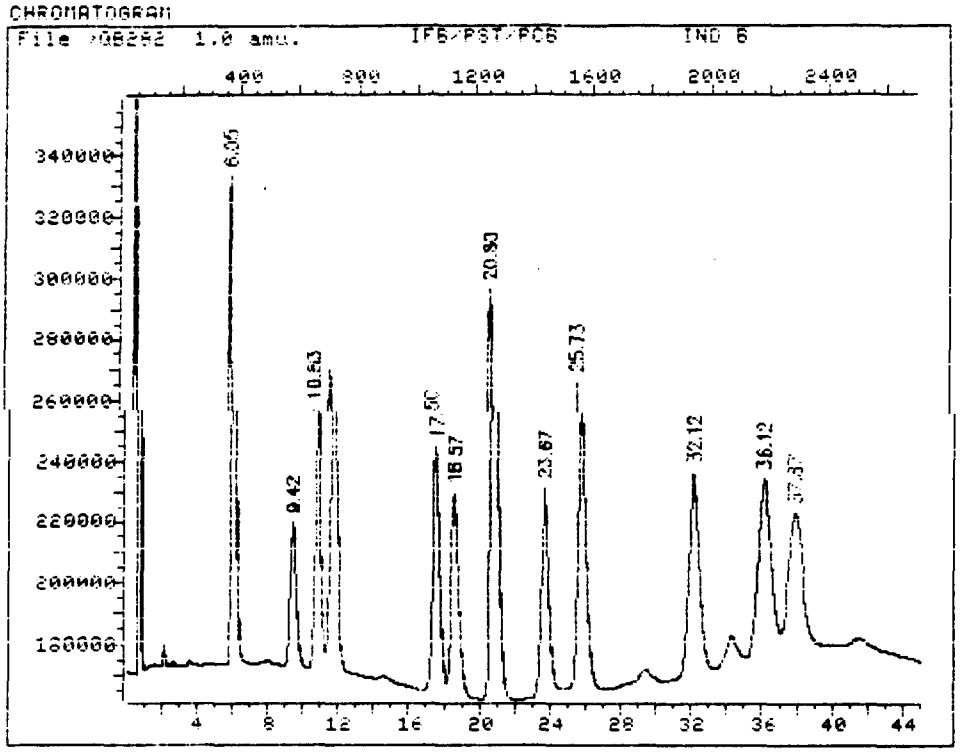
ID File: I018IP::US
Title: IFB/PST/PCB 1.5%SP2250/1.95%SP2401 2 UL INJECTION
Last Calibration: 890621 16:04

	Compound	R.T.	Scan#	Height	Conc	Units	q
2)	#Gamma-BHC	8.00	478	123456	.0281	UG/ML	100
4)	#Heptachlor	9.85	589	113280	.0271	UG/ML	100
6)	#Aldrin	11.72	701	95872	.0268	UG/ML	100
7)	#Heptachlor epoxide	16.32	977	86208	.0261	UG/ML	100
10)	#Endosulfan I	18.93	1134	75329	.0264	UG/ML	100
12)	#Dieldrin	21.37	1280	137345	.0526	UG/ML	100
15)	#Endosulfan II	26.03	1560	94017	.0528	UG/ML	100
16)	#4,4'-DDT	27.93	1674	94208	.0489	UG/ML	100
17)	#Endrin aldehyde	29.35	1759	61632	.0514	UG/ML	100
19)	#Dibutylchlorendate	36.15	2167	66496	.0526	UG/ML	100
21)	#Methoxychlor	37.85	2269	153024	.0134	UG/ML	100

KT 6/28/89

Compound uses ESTD

CHROMATOGRAM



Data File: >QB282::Ub
Name: IFB/PST/PCB
Misc: IND B

Quant Output File: ^QB282::AQ
Instrument ID: QA
.05/.1NG

Id File: IU18IP::US
Title: IFB/PST/PCB 1.5%SP2250/1.95%SP2401 2 UL INJECTION
Last Calibration: 890621 16:04

Operator ID: KT8582
Quant Time: 890622 23:12
Injected at: 890622 22:21

QUANT REPORT Page 1

Operator ID: KT8582 Quant Rev: 7 Quant Time: 890622 23:1
Output File: ^QB282::AQ Injected at: 890622 22:21
Data File: >QB282::Q6 Dilution Factor: 1.0000
Name: IFB/PST/PCB Instrument ID: QH
Misc: IND B .05/.1NG

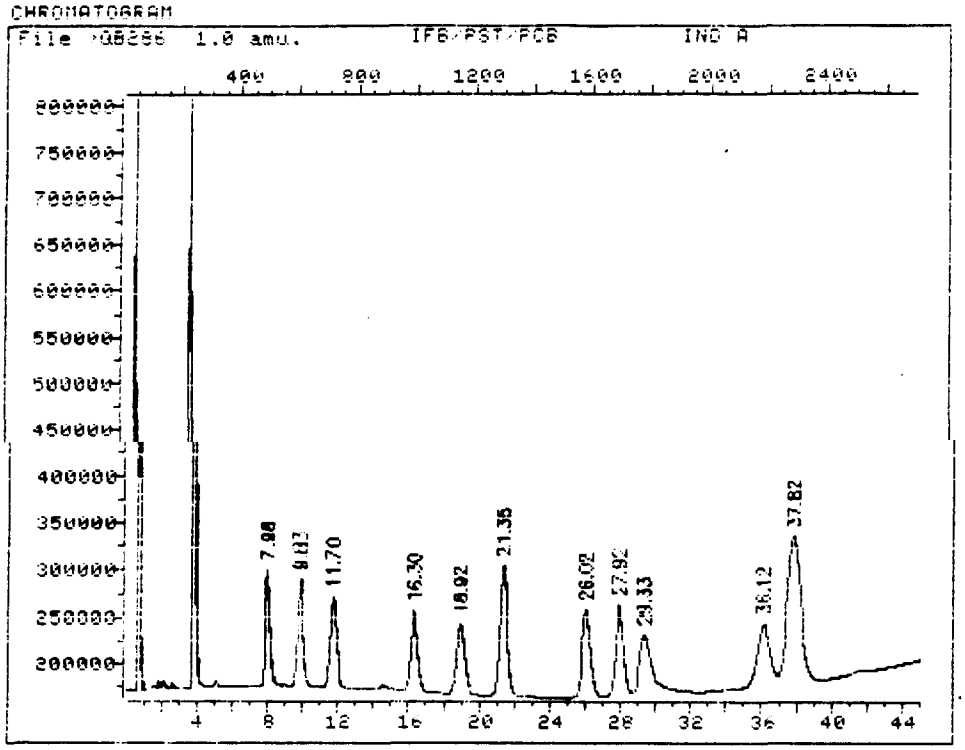
ID File: I018IP::US
Title: IFB/PST PCB 1.5%SP2250/1.95%SP2401 2 UL INJECTION
Last Calibration: 890621 16:04

	Compound	R.T.	Scan#	Height	Conc	Units	q
1)	#Alpha-BHC	6.05	361	159937	.0289	UG/ML	100
3)	#Beta-BHC	9.42	563	47796	.0284	UG/ML	100
5)	#Delta-BHC	10.83	648	824280	.0288	UG/ML	100
8)	#gamma-Chlordane	17.50	1048	79681	.0269	UG/ML	100
9)	#alpha-Chlordane	18.57	1112	67201	.0267	UG/ML	100
11)	#4,4'-DDE	20.80	1246	134337	.0537	UG/ML	100
13)	#Endrin	23.67	1418	53203M	.0573	UG/ML	100
14)	#4,4'-DDD	25.73	1542	100929	.0540	UG/ML	100
18)	#Endosulfan sulfate	32.12	1926	59356M	.0566	UG/ML	100
19)	#Dibutylchlorendate	36.12	2165	58432	.0463	UG/ML	100
20)	#Endrin ketone	37.87	2270	47944	.0496	UG/ML	100

KT 6/28/89

Compound uses ESTD

CHROMATOGRAM



Data File: >QB256:[QA]
Name: IFB/PST/PCB
Misc: IND A

Quant Output File: ^QA256:[QA]
Instrument ID: QA
.05/.1/.5NG

Id File: I018IP::US
Title: IFB/PST/PCB 1.5%SP2250/1.95%SP2401 2 UL INJECTION
Last Calibration: 890621 16:04

Operator ID: KTR582
Quant Time: 890623 02:43
Injected at: 890623 01:52

Operator ID: KT8582 Quant Rev: 7 Quant Time: 890623 02:4
Output File: ^QB286::AQ Injected at: 890623 01:52
Data File: >QB286::U6 Dilution Factor: 1.00001
Name: IFB/PST/PCB Instrument ID: QB
Misc: IND A .05 .1/.5NG

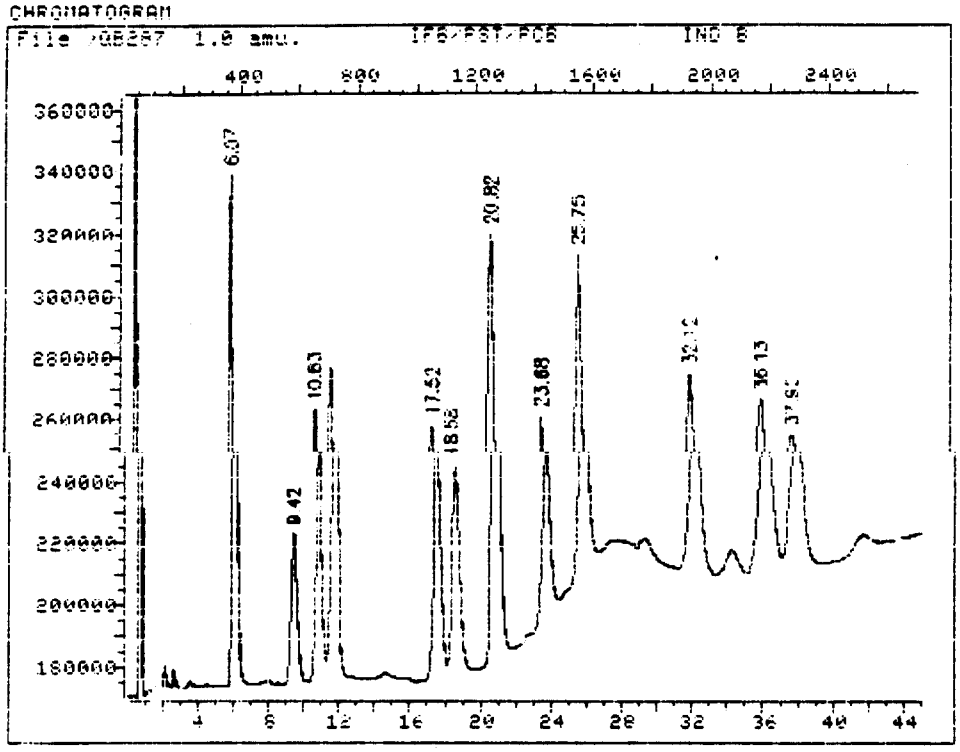
ID File: I018IP::US
Title: IFB/PST/PCB 1.5%SP2250/1.95%SP2401 2 UL INJECTION
Last Calibration: 890621 16:04

	Compound	R.T.	Scan#	Height	Conc	Units	q
2)	#Gamma-BHC	7.98	477	127936	.0291	UG/ML	100
4)	#Heptachlor	9.83	588	116352	.0278	UG/ML	100
6)	#Aldrin	11.70	700	99200	.0278	UG/ML	100
7)	#Heptachlor epoxide	16.30	976	88512	.0268	UG/ML	100
10)	#Endosulfan I	18.92	1133	77824	.0272	UG/ML	100
12)	#Dieldrin	21.35	1279	140481	.0538	UG/ML	100
15)	#Endosulfan II	26.02	1559	94721	.0532	UG/ML	100
16)	#4,4'-DDT	27.92	1673	98433	.0511	UG/ML	100
17)	#Endrin aldehyde	29.33	1758	63104	.0527	UG/ML	100
19)	#Dibutylchlorendate	36.12	2165	69512	.0649	UG/ML	100
21)	#Methoxychlor	37.82	2267	152961	.0134	UG/ML	100

KT 6/29/89

Compound uses ESTD

CHROMATOGRAM



Data File: >QB/87::U6
Name: IFB/PST/PCB
Misc: IND B

Quant Output File: ^QB/87::AQ
Instrument ID: QA
.05/.1NG

Id File: I018IP::US
Title: IFB/PST/PCB 1.5%SP2250/1.95%SP2401 2 UL INJECTION
Last Calibration: 890621 16:04

Operator ID: KTH582
Quant Time: 890623 03:35
Injected at: 890623 02:45

Operator ID: KT8582 Quant Rev: 7 Quant Time: 890623 03:35
Output File: ^QR287::AQ Injected at: 890623 02:45
Data File: >QR287::U6 Dilution Factor: 1.00000
Name: IFB/PST/PCB Instrument ID: QR
Misc: IND B .05/.1NG

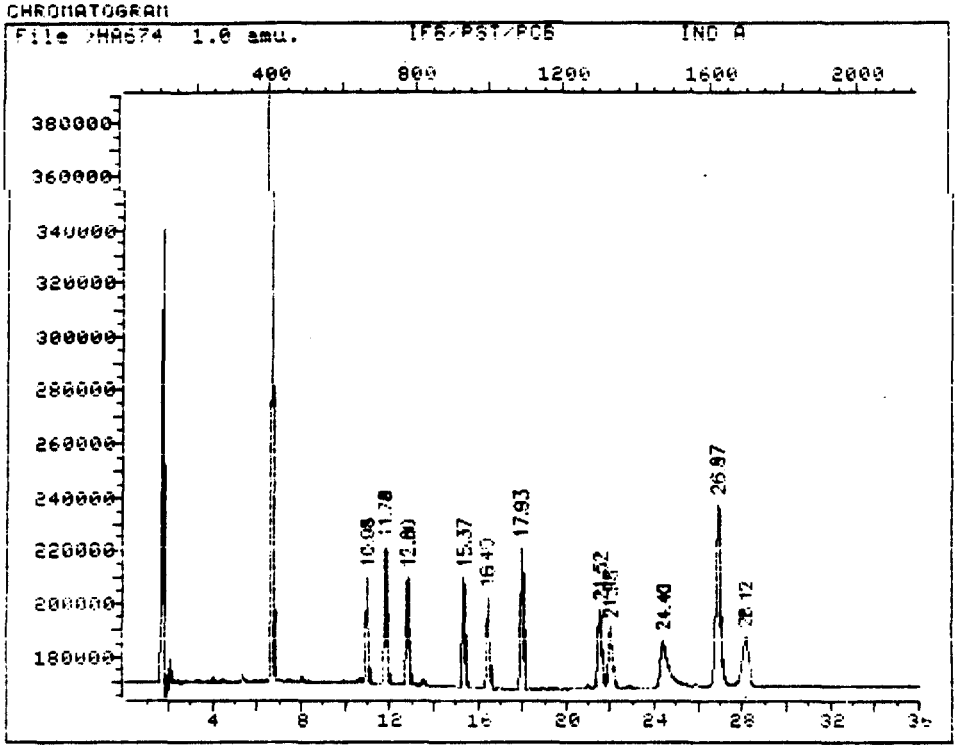
ID File: I018IP::US
Title: IFB/PST/PCB 1.5%SP2250/1.95%SP2401 2 UL INJECTION
Last Calibration: 890621 16:04

	Compound	R.T.	Scan#	Height	Conc	Units	q
1)	#Alpha-BHC	6.07	362	164737	.0297	UG/ML	100
3)	#Beta-BHC	9.42	563	48192	.0290	UG/ML	100
5)	#Delta-BHC	10.83	648	87680	.0307	UG/ML	100
8)	#gamma-Chlordane	17.52	1049	82752	.0279	UG/ML	100
9)	#alpha-Chlordane	18.58	1113	65600	.0260	UG/ML	100
11)	#4,4'-DDE	20.82	1247	140160	.0560	UG/ML	100
13)	#Endrin	23.68	1419	72000	.0775	UG/ML	100
14)	#4,4'-DDD	25.75	1543	110528	.0591	UG/ML	100
18)	#Endosulfan sulfate	32.12	1925	64512	.0615	UG/ML	100
19)	#Dibutylchlorendate	36.13	2166	56256	.0445	UG/ML	100
20)	#Endrin ketone	37.90	2272	41600	.0480	UG/ML	100

KT 6/29/89

Compound uses ESTD

CHROMATOGRAM



Data File: >HA674::U4
Name: IFB/PST/PCB
Misc: IND A

Quant Output File: ^HA674::AQ
Instrument ID: HA

Id File: I02?IC::US
Title: IFB/PST/PCB DB-1701 2UL INJ
Last Calibration: 890705 16:49

Operator ID: KT8582
Quant Time: 890705 16:59
Injected at: 890705 14:04

Operator ID: KT8582 Quant Rev: 7 Quant Time: 890705 16:59
Output File: ^HA674::AQ Injected at: 890705 14:04
Data File: >HA674::U4 Dilution Factor: 1.00000
Name: IFB/PST/PCB Instrument ID: HA
Misc: IND A

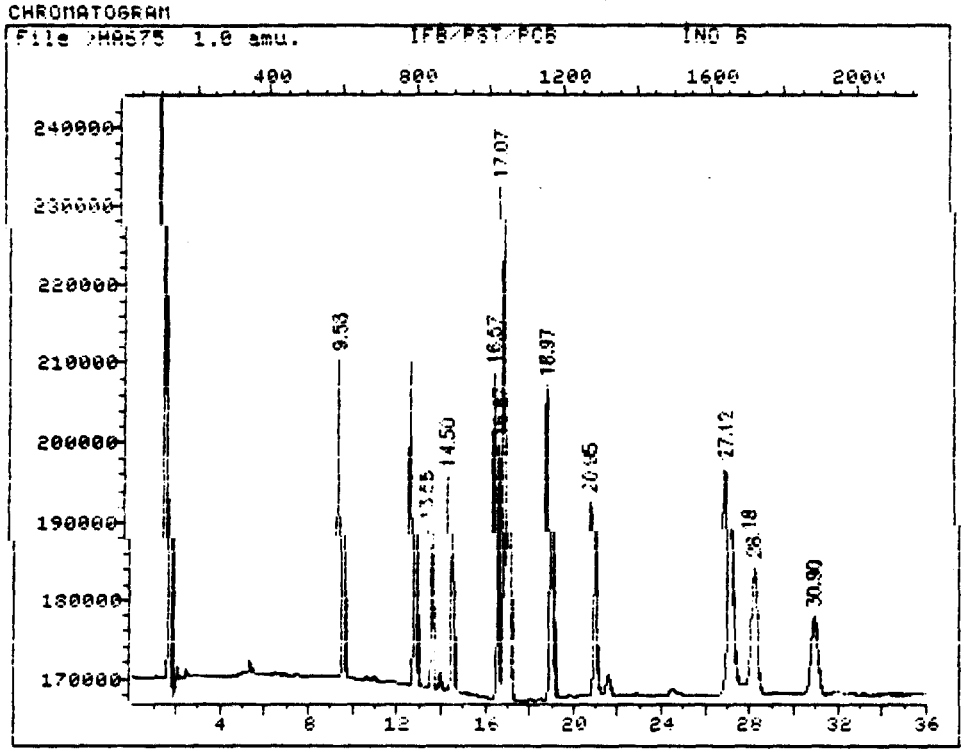
ID File: I029IC::US
Title: IFB/PST/PCB DB-1701 2UL INJ
Last Calibration: 890705 16:49

	Compound	R.T.	Scan#	Height	Conc	Units	q
2)	#Gamma-BHC	10.98	657	40448	.0250	UG/ML	100
4)	#Heptachlor	11.78	705	51200	.0250	UG/ML	100
6)	#Aldrin	12.80	766	40576	.0250	UG/ML	100
7)	#Heptachlor epoxide	15.37	920	42176	.0250	UG/ML	100
10)	#Endosulfan I	16.40	982	34880	.0250	UG/ML	100
12)	#Dieldrin	17.93	1074	53632	.0500	UG/ML	100
15)	#Endosulfan II	21.52	1289	29954	.0500	UG/ML	100
16)	#4,4'-DDT	21.98	1317	22976	.0500	UG/ML	100
17)	#Endrin aldehyde	24.40	1462	17792	.0500	UG/ML	100
19)	#Dibutylchlorendate	28.12	1685	18496	.0500	UG/ML	100
21)	#Methoxychlor	26.87	1610	69376	.250	UG/ML	100

KT 7/6/89

Compound uses ESTD

CHROMATOGRAM



Data File: >HA675::U4
Name: IFB/PST/PCB
Misc: IND B

Quant Output File: ^HA675::AQ
Instrument ID: HA

Id File: I029IC::US
Title: IFB/PST/PCB DB-1701 2UL INJ
Last Calibration: 890705 16:49

Operator ID: KT8582
Quant Time: 890705 17:02
Injected at: 890705 14:47

Operator ID: KT8582 Quant Rev: 7 Quant Time: 890705 17:02
Output File: ^HA675::AQ Injected at: 890705 14:47
Data File: >HA675::U4 Dilution Factor: 1.00000
Name: IFB/PST/PCB Instrument ID: HP
Misc: IND B

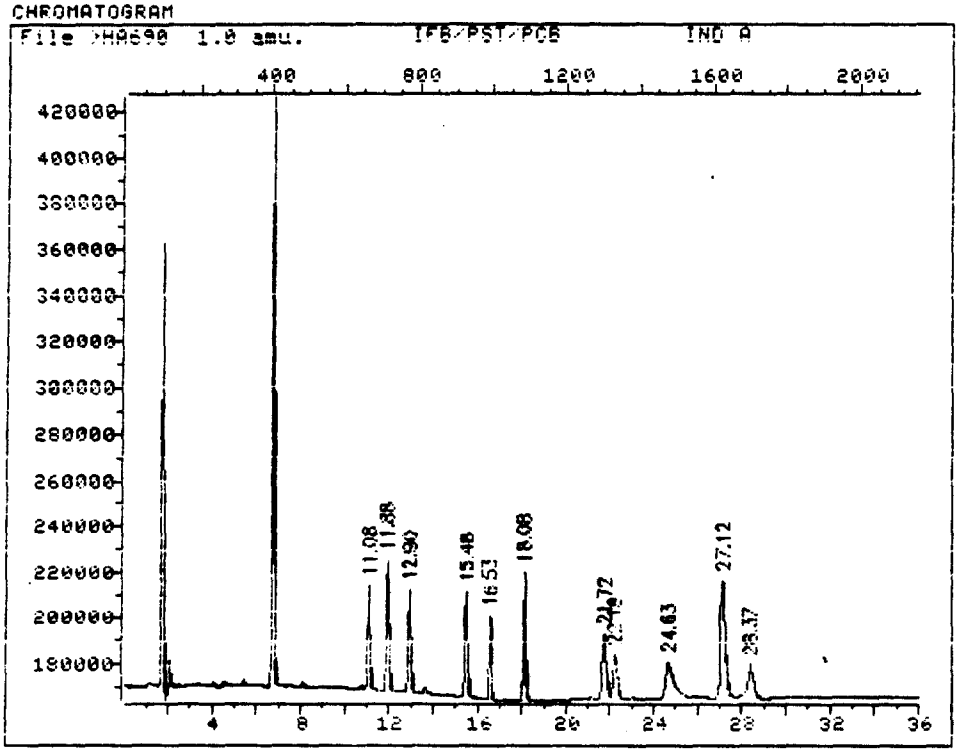
ID File: I029IC::US
Title: IFB/PST/PCB DB-1701 2UL INJ
Last Calibration: 890705 16:49

	Compound	R.T.	Scan#	Height	Conc	Units	q
1)	#Alpha-BHC	9.58	573	40320	.0250	UG/ML	100
3)	#Beta-BHC	13.55	811	20544	.0250	UG/ML	100
5)	#Delta-BHC	14.50	868	27449	.0249	UG/ML	100
8)	#gamma-Chlordane	16.57	992	41408	.0250	UG/ML	100
9)	#alpha-Chlordane	16.87	1010	32384	.0250	UG/ML	100
11)	#4,4'-DDE	17.07	1022	64960	.0500	UG/ML	100
13)	#Endrin	18.97	1136	39872	.0500	UG/ML	100
14)	#4,4'-DDD	20.95	1255	24704	.0500	UG/ML	100
18)	#Endosulfan sulfate	27.12	1625	28864	.0500	UG/ML	100
19)	#Dibutylchlorendate	28.18	1689	16064	.0434	UG/ML	100
20)	#Endrin ketone	30.90	1852	9920	.0500	UG/ML	100

KT 7/6/89

Compound uses ESTD

CHROMATOGRAM



Data File: >HA690::U4
Name: IFB/PST/PCB
Misc: IND A

Quant Output File: ^HA690::AQ
Instrument ID: HA

Id File: I029IC::US
Title: IFB/PST/PCB DB-1701 2UL INJ
Last Calibration: 890705 18:01

Operator ID: KT8582
Quant Time: 890706 02:28
Injected at: 890706 01:46

Operator ID: KT8582 Quant Rev: 7 Quant Time: 890706 02:28
Output File: ^HA690::AQ Injected at: 890706 01:46
Data File: >HA690::U4 Dilution Factor: 1.00000
Name: IFB/PST/PCB Instrument ID: HA
Misc: IND A

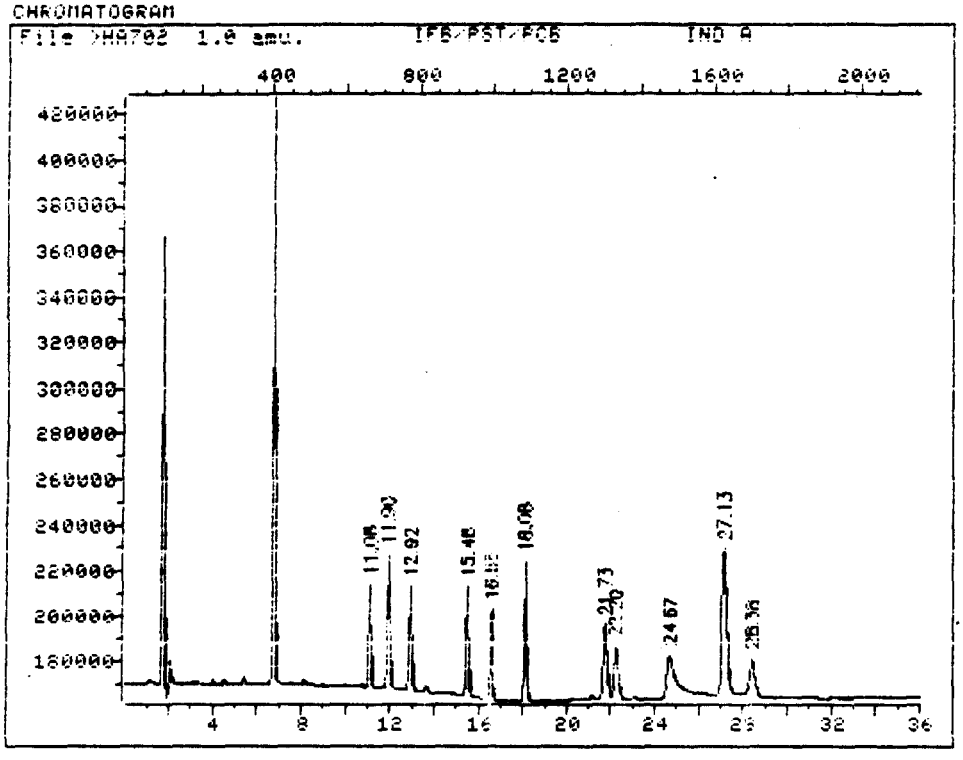
ID File: I029IC::US
Title: IFB/PST/PCB DB-1701 2UL INJ
Last Calibration: 890705 18:01

	Compound	R.T.	Scan#	Height	Conc	Units	q
2)	#Gamma-BHC	11.08	663	45888	.0284	UG/ML	100
4)	#Heptachlor	11.88	711	57152	.0279	UG/ML	100
6)	#Aldrin	12.90	772	45504	.0280	UG/ML	100
7)	#Heptachlor epoxide	15.48	927	47361	.0281	UG/ML	100
10)	#Endosulfan I	16.53	990	37057	.0266	UG/ML	100
12)	#Dieldrin	18.08	1083	56449	.0526	UG/ML	100
15)	#Endosulfan II	21.72	1301	28191	.0471	UG/ML	100
16)	#4,4'-DDT	22.18	1329	19073	.0415	UG/ML	100
17)	#Endrin aldehyde	24.63	1476	16321	.0459	UG/ML	100
19)	#Dibutylchlorendate	28.37	1700	14272	.0386	UG/ML	100
21)	#Methoxychlor	27.12	1625	51712	.186	UG/ML	100

Compound uses ESTD

KT 7/6/89

CHROMATOGRAM



Data File: >HA702::US
Name: IFB/PST/PCB
Misc: IND A

Quant Output File: ^HA702::AQ
Instrument ID: HA

Id File: I029IC::US
Title: IFB/PST/PCB DB-1701 2UL INJ
Last Calibration: 890705 10:01

Operator ID: KT8582
Quant Time: 890706 11:21
Injected at: 890706 10:34

QUANT REPORT Page 1

Operator ID: KT8582 Quant Rev: 7 Quant Time: 890706 11:2
Output File: ^HA702::AQ Injected at: 890706 10:34
Data File: >HA702::U5 Dilution Factor: 1.00000
Name: IFB/PST/PCB Instrument ID: HA
Misc: IND A

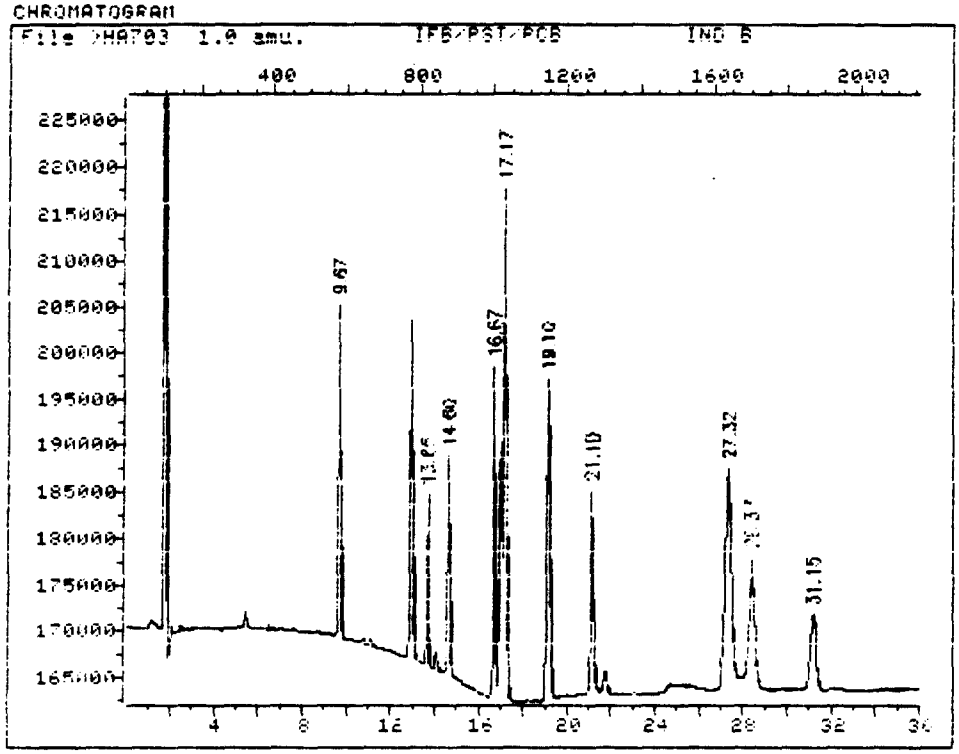
ID File: I029IC::US
Title: IFB/PST/PCB DB-1701 2UL INJ
Last Calibration: 890705 18:01

	Compound	R.T.	Scan#	Height	Conc	Units	q
2)	#Gamma-BHC	11.08	663	45824	.0283	UG/ML	100
4)	#Heptachlor	11.90	712	59456	.0290	UG/ML	100
6)	#Aldrin	12.92	773	46784	.0288	UG/ML	100
7)	#Heptachlor epoxide	15.48	927	49601	.0294	UG/ML	100
10)	#Endosulfan I	16.55	991	40449	.0290	UG/ML	100
12)	#Dieldrin	18.08	1083	62017	.0578	UG/ML	100
15)	#Endosulfan II	21.73	1302	32897	.0549	UG/ML	100
16)	#4,4'-DDT	22.20	1330	23233	.0506	UG/ML	100
17)	#Endrin aldehyde	24.67	1478	19713	.0554	UG/ML	100
19)	#Dibutylchlorendate	28.38	1701	17601	.0476	UG/ML	100
21)	#Methoxychlor	27.13	1626	64065	.231	UG/ML	100

Compound uses ESTD

KT 716139

CHROMATOGRAM



Data File: >HA703::US
Name: IFB/PST/PCB
Misc: IND B

Quant Output File: ^HA703::AQ
Instrument ID: HA

Id File: I02^IC::US
Title: IFB/PST/PCB DB-1701 2UL INJ
Last Calibration: 890705 18:01

Operator ID: KT8532
Quant Time: 890706 11:59
Injected at: 890706 11:18

QUANT REPORT Page 1

Operator ID: KT8582 Quant Rev: 7 Quant Time: 890706 11:59
Output File: ^HA703::AQ Injected at: 890706 11:18
Data File: >HA703::U5 Dilution Factor: 1.00000
Name: IFB/PST/PCB Instrument ID: HA
Misc: IND B

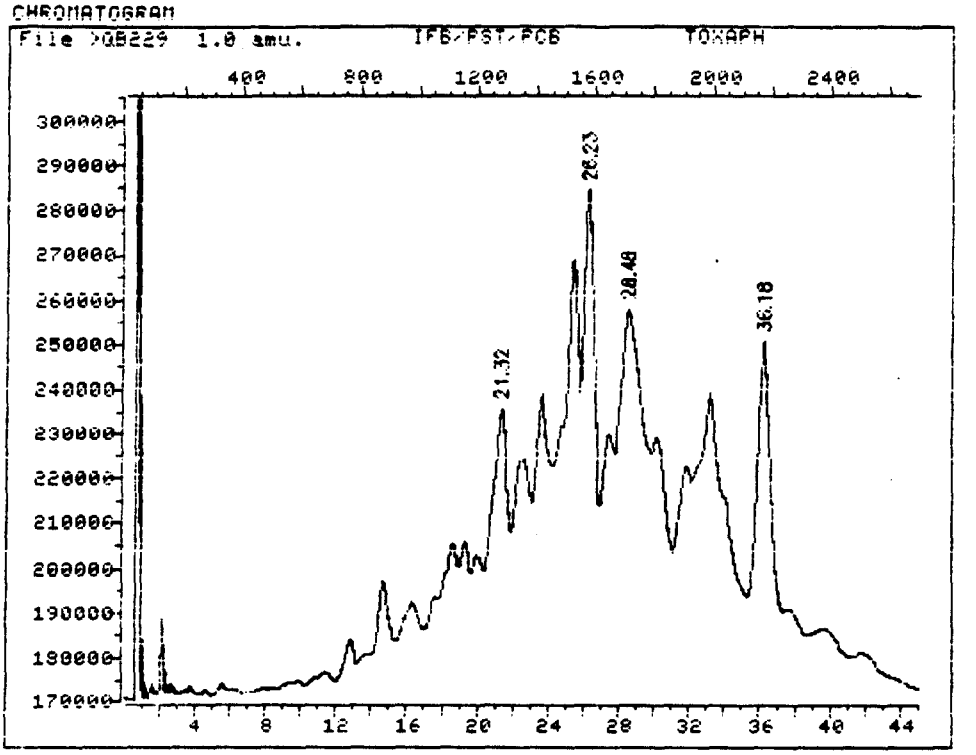
ID File: I029IC::US
Title: IFB/PST/PCB DB-1701 2UL INJ
Last Calibration: 890705 18:01

	Compound	R.T.	Scan#	Height	Conc	Units	q
1)	#Alpha-BHC	9.67	578	36096	.0224	UG/ML	100
3)	#Beta-BHC	13.65	817	18944	.0231	UG/ML	100
5)	#Delta-BHC	14.60	874	24577	.0223	UG/ML	100
8)	#gamma-Chlordane	16.67	998	36097	.0218	UG/ML	100
9)	#alpha-Chlordane	16.67	998	36097	.0279	UG/ML	100
11)	#4,4'-DDE	17.17	1028	55169	.0425	UG/ML	100
13)	#Endrin	19.10	1144	34817	.0437	UG/ML	100
14)	#4,4'-DDD	21.10	1264	21964	.0445	UG/ML	100
18)	#Endosulfan sulfate	27.32	1637	23809	.0412	UG/ML	100
19)	#Dibutylchlorendate	28.37	1700	14017	.0379	UG/ML	100
20)	#Endrin ketone	31.15	1867	8193	.0413	UG/ML	100

Compound uses ESTD

KT 7/6/89

CHROMATOGRAM



Data File: >QB229::U6 Quant Output File: ^QB229::AQ
Name: IFB/PST/PCB Instrument ID: QA
Misc: TOXAPH 2NG

Id File: I018IP::US
Title: IFB/PST/PCB 1.5%SP2250/1.95%SP2401 2 UL INJECTION
Last Calibration: 890620 13:27

Operator ID: KT8582
Quant Time: 890620 14:54
Injected at: 890620 14:04

QUANT REPORT Page 1

Operator ID: KT8582 Quant Rev: 7 Quant Time: 890620 14:5-
Output File: ^QB229::AQ Injected at: 890620 14:04
Data File: >QB229::U6 Dilution Factor: 1.00000
Name: IFB/PST/PCB Instrument ID: QH
Misc: TOXAPH 2NG

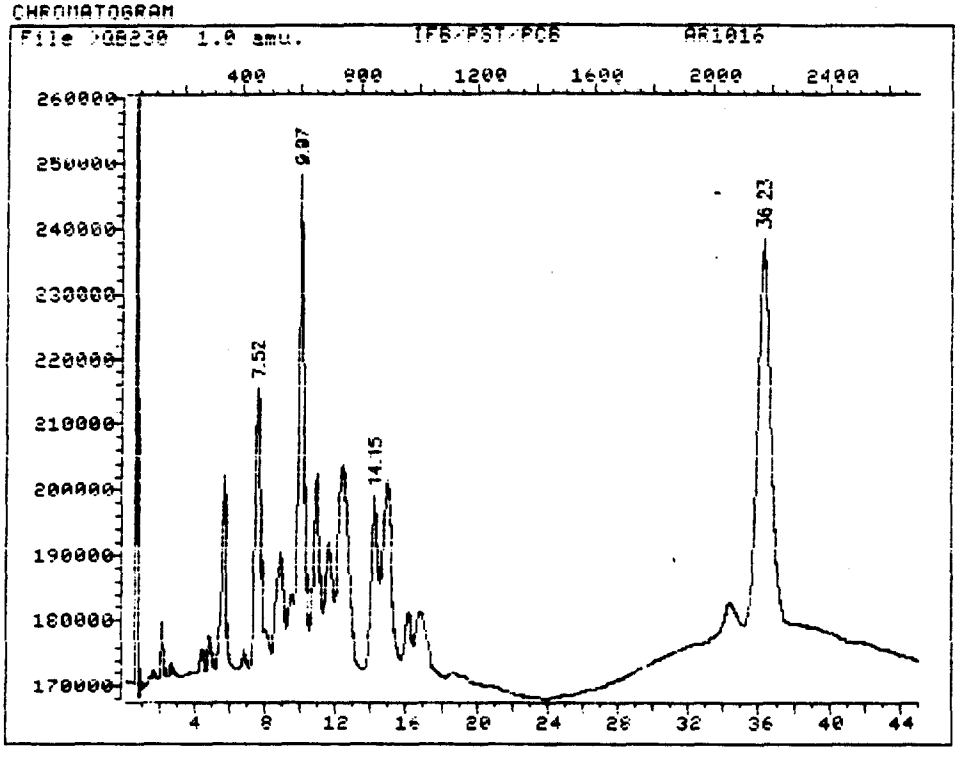
ID File: [illegible]
Title: IFB/PST/PCB 1.5%SP2250/1.95%SP2401 2 UL INJECTION
Last Calibration: 890620 13:27

	Compound	R.T.	Scan#	Height	Conc	Units	q
19)	#Dibutylchlorendate	36.18	2169	60608	.0480	UG/ML	100
22)	#Toxaphene	28.48	1707	32640	1.49	UG/ML	100
23)	#Toxaphene-2	26.23	1572	70592	2.91	UG/ML	100
24)	#Toxaphene-3	21.32	1277	36544	2.73	UG/ML	100

Compound uses ESTD

KT 6/22/89

CHROMATOGRAM



Data File: >QB230::U6 Quant Output File: ^QB230::AQ
Name: IFB/PST/PCB Instrument ID: QA
Misc: AR1016 .5NG

Id File: I018IP::US
Title: IFB/PST/PCB 1.5%SP2250/1.95%SP2401 2 UL INJECTION
Last Calibration: 890621 16:04

Operator ID: KT8582
Quant Time: 890621 16:38
Injected at: 890620 14:56

Operator ID: KT8582 Quant Rev: 7 Quant Time: 890621 16:38
Output File: ^QB230::AQ Injected at: 890620 14:56
Data File: >QB230::U6 Dilution Factor: 1.00000
Name: IFB/PST/PCB Instrument ID: QH
Misc: AR1016 .5NG

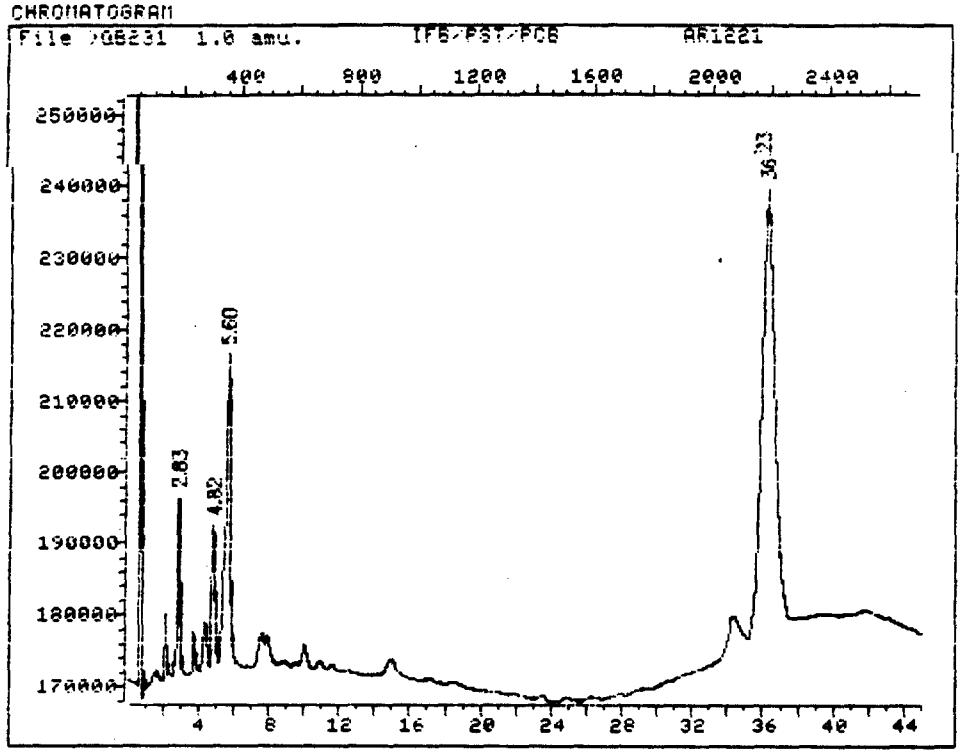
ID File: I018IP::US
Title: IFB/PST/PCB 1.5%SP2250/1.95%SP2401 2 UL INJECTION
Last Calibration: 890621 16:04

	Compound	R.T.	Scan#	Height	Conc	Units	q
19)	#Dibutylchlorendate	36.23	2172	59328	.0470	UG/ML	100
25)	#Aroclor 1016	9.97	596	69760	.250	UG/ML	100
26)	#AR 1016-2	7.52	449	42816	.250	UG/ML	100
27)	#AR 1016-3	14.15	847	26560	20.75	UG/ML	100

Compound uses ESTD

KT 6/22/89

CHROMATOGRAM



Data File: >QB231::U6
Name: IFB/PST/PCB
Misc: AR1221

Quant Output File: ^QB231::AQ
Instrument ID: QA
.5NG

Id File: I018IP::US
Title: IFB/PST/PCB 1.5%SP2250/1.95%SP2401 2 UL INJECTION
Last Calibration: 890620 13:27

Operator ID: KT8582
Quant Time: 890620 16:40
Injected at: 890620 15:49

Operator ID: KT8582 Quant Rev: 7 Quant Time: 890620 16:40
Output File: ^QB231::AQ Injected at: 890620 15:49
Data File: >QB231::U6 Dilution Factor: 1.00000
Name: IFB/PST/PCB Instrument ID: QH
Misc: AR1221 .5NG

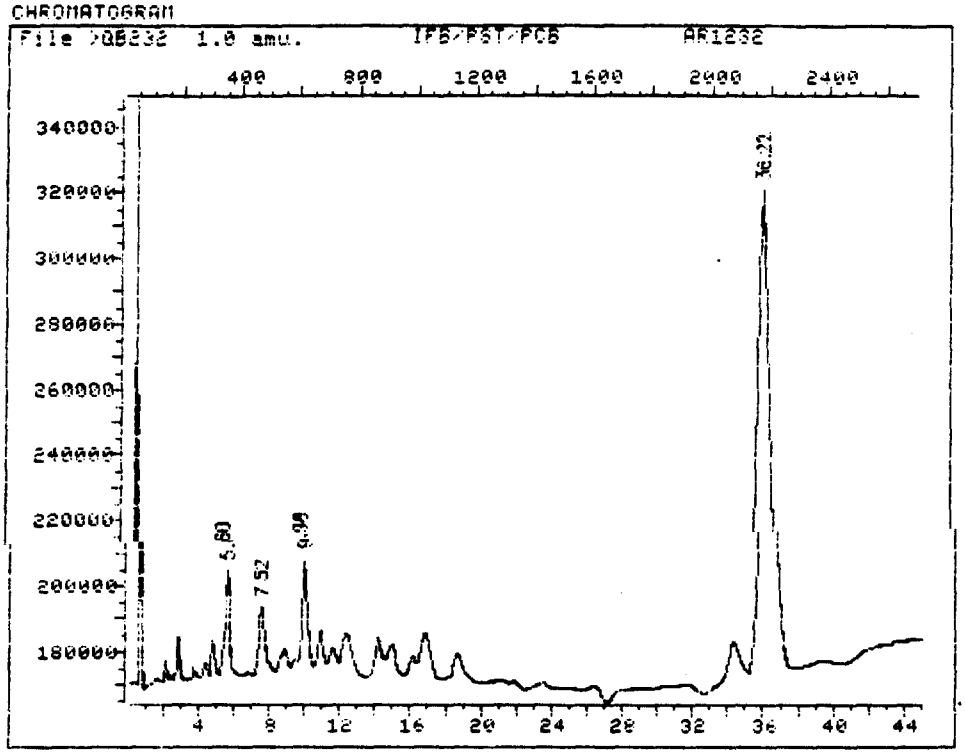
ID File: I018IP::US
Title: IFB/PST/PCB 1.5%SP2250/1.95%SP2401 2 UL INJECTION
Last Calibration: 890620 13:27

	Compound	R.T.	Scan#	Height	Conc	Units	q
19)	#Dibutylchlorendate	36.23	2172	62848	.0497	UG/ML	100
28)	#Aroclor 1221	5.60	334	43584	.498	UG/ML	100
29)	#AR 1221-2	2.83	168	24947	.482	UG/ML	100
30)	#AR 1221-3	4.82	287	19840	.399	UG/ML	100

Compound uses ESTD

KT 6/23/89

CHROMATOGRAM



Data File: >QB232::U6
Name: IFB/PST/PCB
Misc: AR1232

Quant Output File: ^QB232::AQ
Instrument ID: QA
.5NG

Id File: I018IP::US
Title: IFB/PST/PCB 1.5%SP2250/1.95%SP2401 2 UL INJECTION
Last Calibration: 890620 13:27

Operator ID: KTR582
Quant Time: 890620 17:33
Injected at: 890620 16:42

Operator ID: KT8582 Quant Rev: 7 Quant Time: 890620 17:3?
Output File: ^QB232::AQ Injected at: 890620 16:42
Data File: >QB232::U6 Dilution Factor: 1.00000
Name: IFB/PST/PCB Instrument ID: QB
Misc: AR1232 .5NG

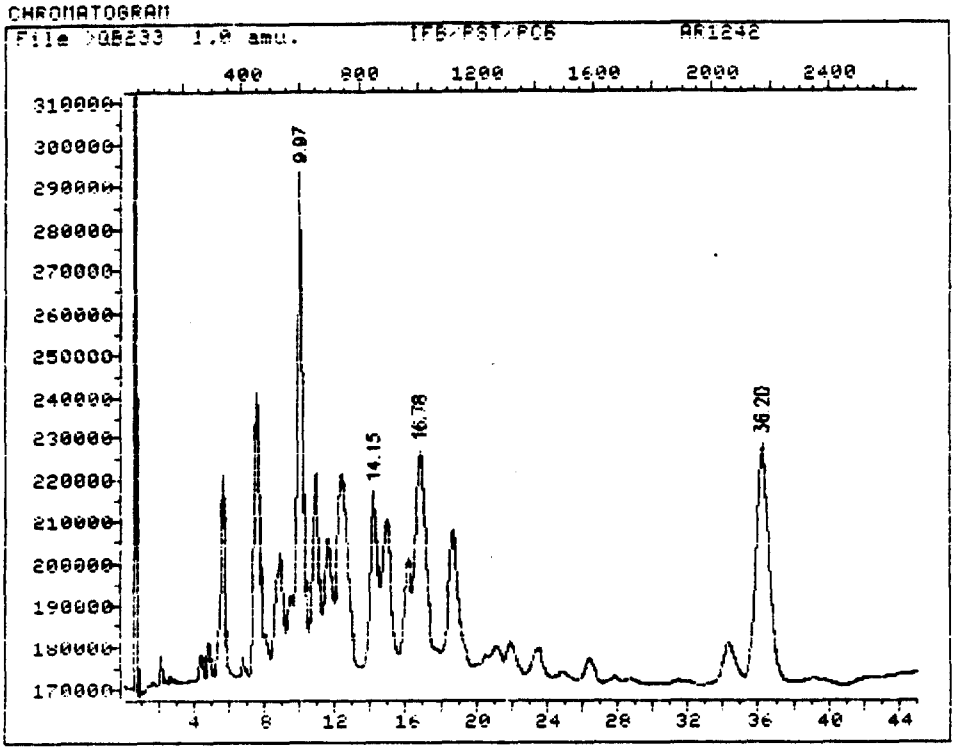
ID File: I018IP::US
Title: IFB/PST/PCB 1.5%SP2250/1.95%SP2401 2 UL INJECTION
Last Calibration: 890620 13:27

	Compound	R.T.	Scan#	Height	Conc	Units	q
19)	#Dibutylchlorendate	36.22	2171	146688	.116	UG/ML	100
31)	#Aroclor 1232	9.98	597	32576	.480	UG/ML	100
32)	#AR 1232-2	7.52	449	20672	.502	UG/ML	100
33)	#AR 1232-3	5.60	334	31872	.504	UG/ML	100

Compound uses ESTD

KT 6/23/89

CHROMATOGRAM



Data File: >QB233::U6
Name: IFB/PST/PCB
Misc: AR1242

Quant Output File: ^QB233::AQ
Instrument ID: QA
.5NG

Id File: I018IP::US
Title: IFB/PST/PCB 1.5%SP2250/1.95%SP2401 2 UL INJECTION
Last Calibration: 890620 13:27

Operator ID: KTR582
Quant Time: 890620 18:25
Injected at: 890620 17:35

Operator ID: KT8582 Quant Rev: 7 Quant Time: 890620 18:29
Output File: ^QB233::AQ Injected at: 890620 17:35
Data File: >QB233::U6 Dilution Factor: 1.00000
Name: IFB/PST/PCB Instrument ID: QA
Misc: AR1242 .5NG

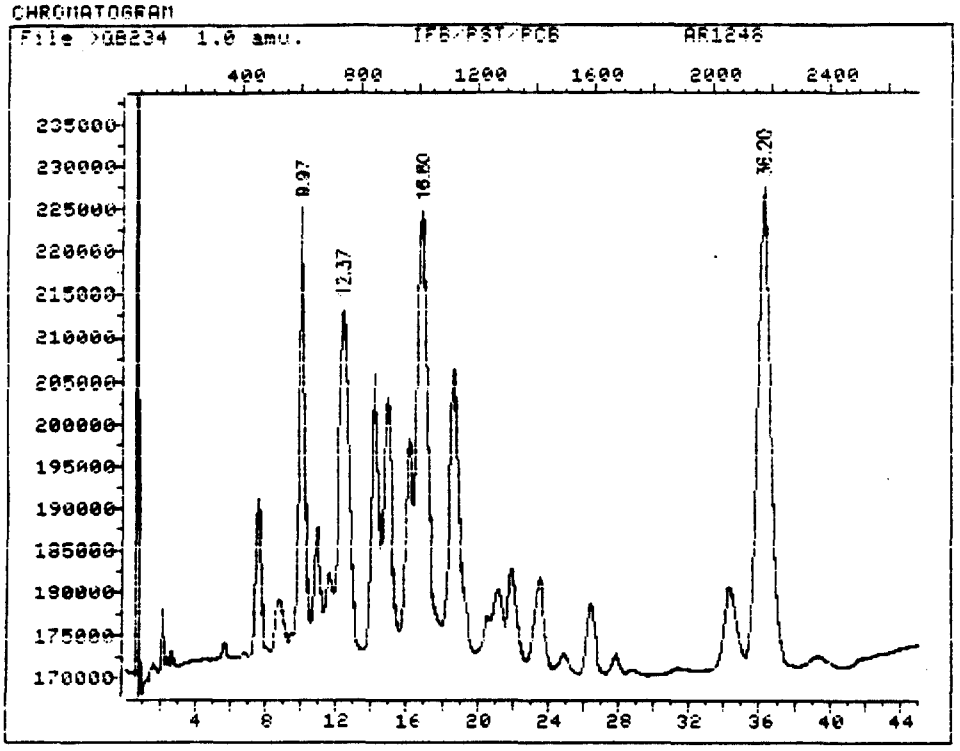
ID File: I018IP::US
Title: IFB/PST/PCB 1.5%SP2250/1.95%SP2401 2 UL INJECTION
Last Calibration: 890620 13:27

	Compound	R.T.	Scan#	Height	Conc	Units	q
19)	#Dibutylchlorendate	36.20	2170	56192	.0445	UG/ML	100
34)	#Aroclor 1242	9.97	596	109760	.489	UG/ML	101
35)	#AR 1242-2	16.78	1005	47383	.496	UG/ML	100
36)	#AR 1242-3	14.15	847	41664	.528	UG/ML	100

Compound uses ESTD

KT 6/28/89

CHROMATOGRAM



Data File: >QB234::U6
Name: IFB/PST/PCB
Misc: AR1248

Quant Output File: ^QB234::AQ
Instrument ID: QA
.5NG

Id File: I018IP::US
Title: IFB/PST/PCB 1.5%SP2250/1.95%SP2401 2 UL INJECTION
Last Calibration: 890620 13:27

Operator ID: KT8582
Quant Time: 890620 19:18
Injected at: 890620 18:27

Operator ID: KT8582 Quant Rev: 7 Quant Time: 890620 19:18
Output File: ^QB234::AQ Injected at: 890620 18:27
Data File: >QB234::U6 Dilution Factor: 1.0000
Name: IFB/PST/PCB Instrument ID: QA
Misc: AR1248 .5NG

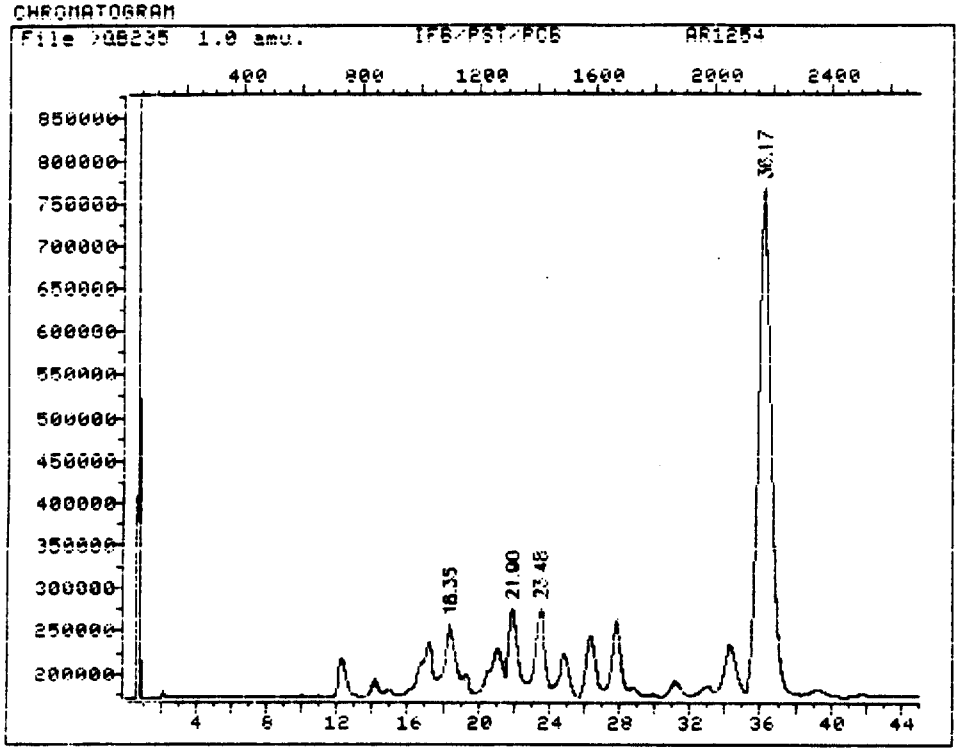
ID File: I018IP::US
Title: IFB/PST/PCB 1.5%SP2250/1.95%SP2401 2 UL INJECTION
Last Calibration: 890620 13:27

	Compound	R.T.	Scan#	Height	Conc	Units	q
19)	#Dibutylchlorendate	36.20	2170	55808	.0442	UG/ML	100
37)	#Aroclor 1248	9.97	596	50494	.488	UG/ML	100
38)	#AR 1248-2	16.80	1006	48131	.491	UG/ML	100
39)	#AR 1248-3	12.37	740	39744	.485	UG/ML	100

Compound uses ESTD

KT 6/23/89

CHROMATOGRAM



Data File: >QB235::U6
Name: IFB/PST/PCB
Misc: AR1254

Quant Output File: ^QB235::AQ
Instrument ID: QA
ING

Id File: I018IP::US
Title: IFB/PST/PCB 1.5%SP2250/1.95%SP2401 2 UL INJECTION
Last Calibration: 890620 13:27

Operator ID: KT8582
Quant Time: 890620 20:11
Injected at: 890620 19:20

Operator ID: KT8582 Quant Rev: 7 Quant Time: 890620 20:11
Output File: ^QB235::AQ Injected at: 890620 19:20
Data File: >QB235::U6 Dilution Factor: 1.00000
Name: IFB/PST/PCB Instrument ID: QP
Misc: AR1254 ING

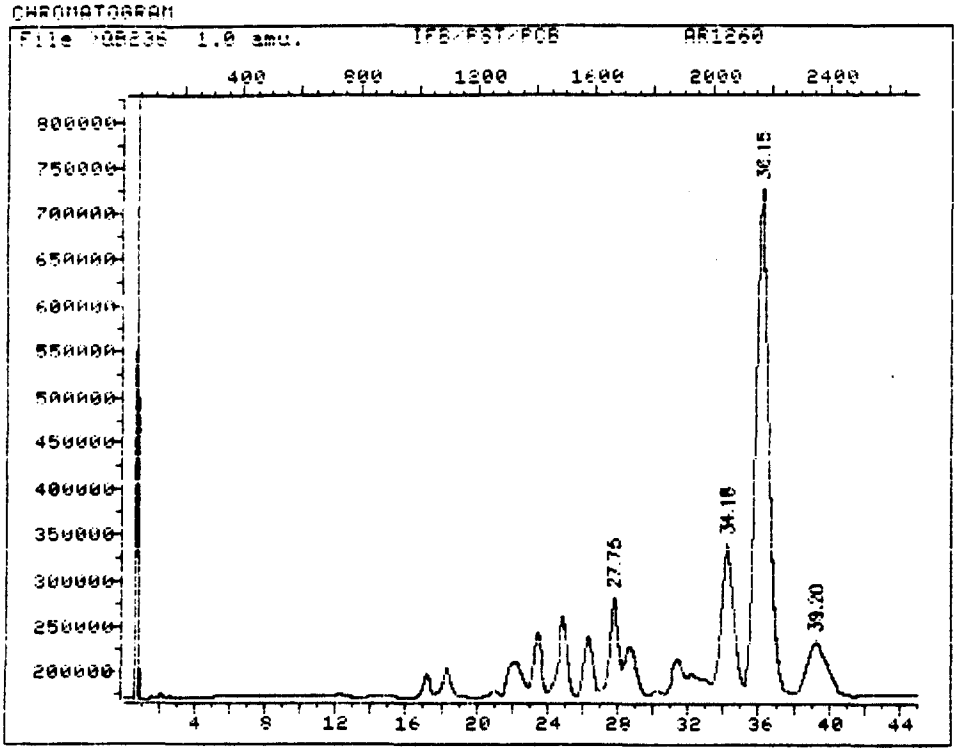
ID File: I018IP::US
Title: IFB/PST/PCB 1.5%SP2250/1.95%SP2401 2 UL INJECTION
Last Calibration: 890620 13:27

	Compound	R.T.	Scan#	Height	Conc	Units	q
19)	#Dibutylchlorendate	36.17	2168	588611	.466	UG/ML	100
40)	#Aroclor 1254	21.90	1312	86784	1.06	UG/ML	100
41)	#AR 1254-2	18.35	1099	65152	1.03	UG/ML	100
42)	#AR 1254-3	23.48	1407	93888	1.04	UG/ML	100

Compound uses ESTD

KT 6/28/89

CHROMATOGRAM



Data File: >QB236::Ub
Name: IFB/PST/PCB
Misc: AR1260

Quant Output File: ^QB236::AQ
Instrument ID: QA
1NG

Id File: I018IP::US
Title: IFB/PST/PCB 1.5%SP2250/1.95%SP2401 2 UL INJECTION
Last Calibration: 890620 13:27

Operator ID: KTR582
Quant Time: 890620 21:04
Injected at: 890620 20:13

Operator ID: KT8582 Quant Rev: 7 Quant Time: 890620 21:04
Output File: ^QB236::AQ Injected at: 890620 20:13
Data File: >QB236::U6 Dilution Factor: 1.00000
Name: IFB/PST/PCB Instrument ID: QB
Misc: AR1260 ING

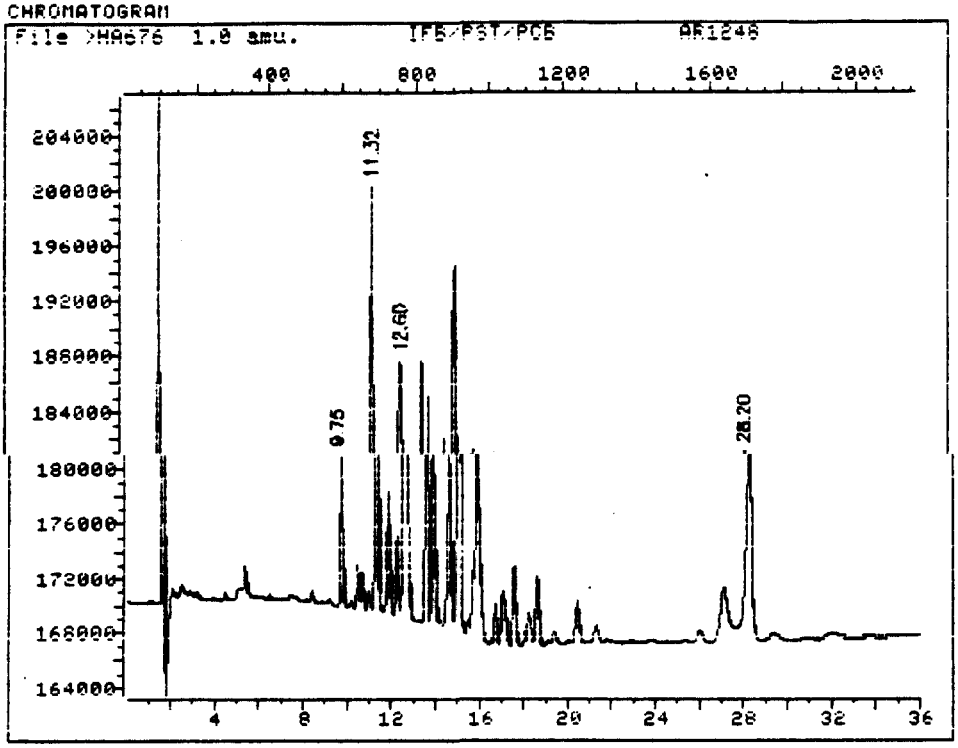
ID File: I018IP::US
Title: IFB/PST/PCB 1.5%SP2250/1.95%SP2401 2 UL INJECTION
Last Calibration: 890620 13:27

	Compound	R.T.	Scan#	Height	Conc	Units	q
19)	#Dibutylchlorendate	30.15	2167	547075	.433	UG/ML	100
43)	#Aroclor 1260	34.18	2049	153025	1.11	UG/ML	100
44)	#AR 1260-2	27.75	1663	102528	1.05	UG/ML	100
45)	#AR 1260-3	39.20	2350	55872	1.08	UG/ML	100

Compound uses ESTD

KT 6/23/89

CHROMATOGRAM



Data File: >HA676::U4
Name: IFB/PST/PCB
Misc: AR1248

Quant Output File: ^HA676::AQ
Instrument ID: HA

Id File: I029IC::US
Title: IFB/PST/PCB DB-1701 2UL INJ
Last Calibration: 890705 16:49

Operator ID: KT8582
Quant Time: 890705 17:48
Injected at: 890705 15:31

Operator ID: KT8582 Quant Rev: 7 Quant Time: 890705 17:48
Output File: ^HA676::AQ Injected at: 890705 15:31
Data File: >HA676::U4 Dilution Factor: 1.00000
Name: IFB/PST/PCB Instrument ID: HA
Misc: AR1248

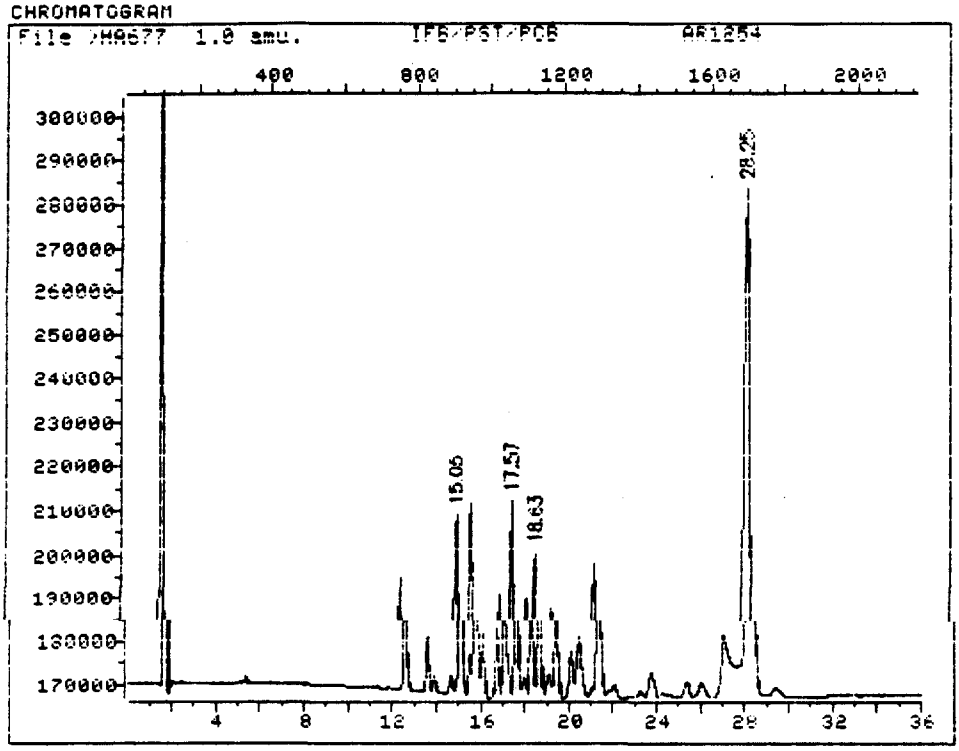
ID File: I029IC::US
Title: IFB/PST/PCB DB-1701 2UL INJ
Last Calibration: 890705 16:49

	Compound	R.T.	Scan#	Height	Conc	Units	q
19)	#Dibutylchlorendate	28.20	1690	13504	.0365	UG/ML	100
37)	#Aroclor 1248	9.75	583	10880	.0876	UG/ML	100
38)	#AR 1248-2	11.32	677	30976	.219	UG/ML	100
39)	#AR 1248-3	12.60	754	18752	.235	UG/ML	100

KT 7/6/89

Compound uses ESTD

CHROMATOGRAM



Data File: >HA677::U4 Quant Output File: ^HA677::AQ
Name: IFB/PST/PCB Instrument ID: HA
Misc: AR1254

Id File: I029IC::US
Title: IFB/PST/PCB DB-1701 2UL INJ
Last Calibration: 890705 16:49

Operator ID: KT8582
Quant Time: 890705 17:49
Injected at: 890705 16:15

QUANT REPORT Page 1

Operator ID: KT8582 Quant Rev: 7 Quant Time: 890705 17:49
Output File: ^HA677::AQ Injected at: 890705 16:15
Data File: >HA677::U4 Dilution Factor: 1.00000
Name: IFB/PST/PCB Instrument ID: HA
Misc: AR1254

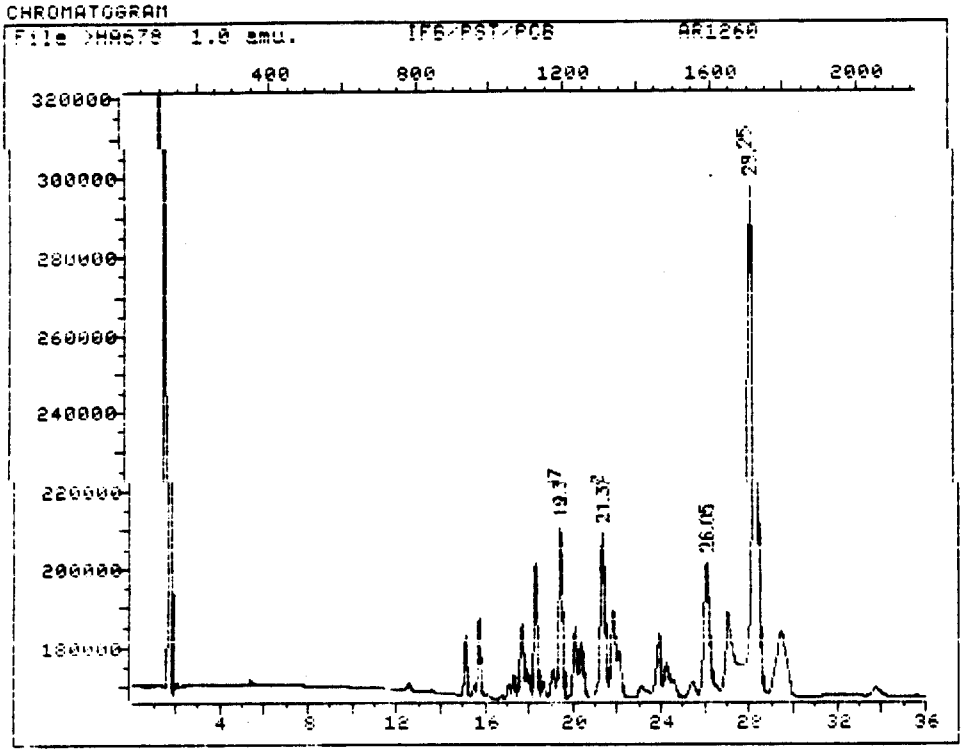
ID File: I029IC::US
Title: IFB/PST/PCB DB-1701 2UL INJ
Last Calibration: 890705 16:49

	Compound	R.T.	Scan#	Height	Conc	Units	q
19)	#Dibutylchlorendate	28.25	1693	116096	.314	UG/ML	100
40)	#Aroclor 1254	15.05	901	41664	.243	UG/ML	100
41)	#AR 1254-2	17.57	1052	44544	.275	UG/ML	100
42)	#AR 1254-3	18.63	1116	33024	.253	UG/ML	100

Compound uses ESTD

KT 7/6/89

CHROMATOGRAM



Data File: >HA678::U4
Name: IFB/PST/PCB
Misc: AR1260

Quant Output File: ^HA678::AQ
Instrument ID: HA

Id File: I029IC::US
Title: IFB/PST/PCB DB-1701 2UL INJ
Last Calibration: 890705 16:49

Operator ID: KT8582
Quant Time: 890705 17:51
Injected at: 890705 16:59

Operator ID: KT8582 Quant Rev: 7 Quant Time: 890705 17:51
Output File: ^HA678::AQ Injected at: 890705 16:59
Data File: >HA678::U4 Dilution Factor: 1.00000
Name: IFB/PST/PCB Instrument ID: HA
Misc: AR1260

ID File: I029IC::US
Title: IFB/PST/PCB DB-1701 2UL INJ
Last Calibration: 890705 16:49

	Compound	R.T.	Scan#	Height	Conc	Units	q
19)	#Dibutylchlorendate	28.25	1693	129664	.351	UG/ML	100
43)	#Aroclor 1260	19.37	1160	44096	.450	UG/ML	100
44)	#AR 1260-2	21.32	1277	42163	.504	UG/ML	100
45)	#AR 1260-3	26.05	1561	34048	.430	UG/ML	100

KT 7/6/89

Compound uses ESTD

ETC

RAW QC DATA

1D

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

Lab Name: ETCNJ Contract:

Lab Code: Case No.: SAS No.: SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: QC70018G

Sample wt/vol: 30.0 (g/mL) G Lab File ID: >QB237

Level: (low/med) LOW Date Received: 05/15/89

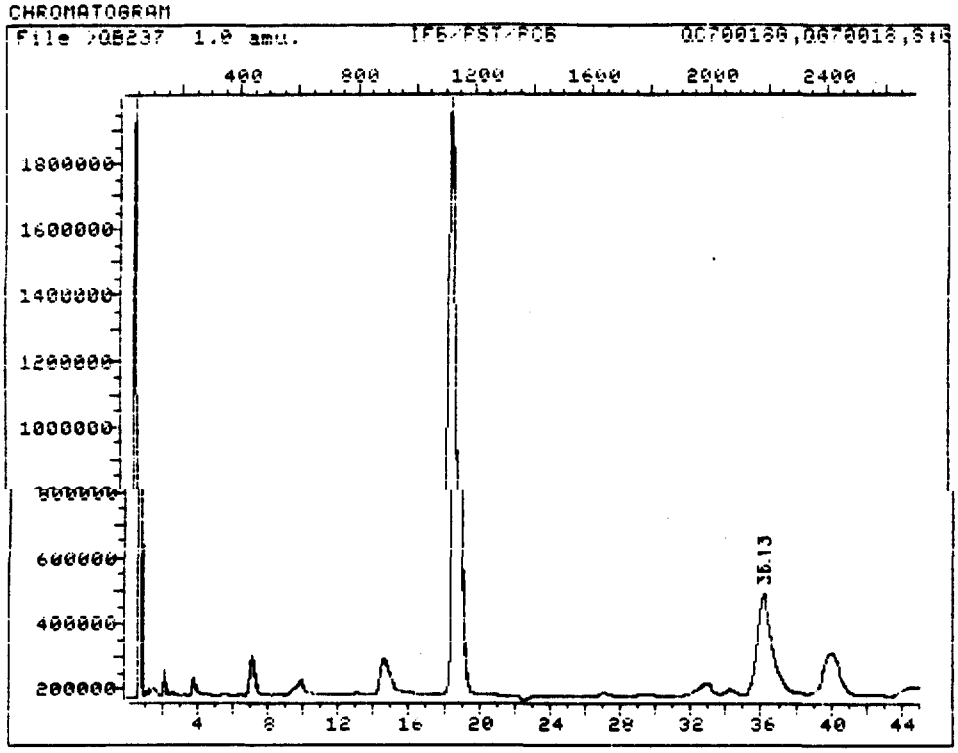
% Moisture: not dec. dec. Date Extracted: 05/19/89

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 06/20/89

GPC Cleanup: (Y/N) N pH: Dilution Factor: 1

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-64-6	alpha-BHC	8	U
319-65-7	beta-BHC	8	U
319-86-8	delta-BHC	8	U
58-89-9	gamma-BHC(Lindane)	8	U
76-44-8	Heptachlor	8	U
309-00-2	Aldrin	8	U
1024-57-3	Heptachlor epoxide	8	U
959-98-8	Endosulfan I	8	U
60-57-1	Dieldrin	16	U
72-55-9	4,4'-DDE	16	U
72-20-8	Endrin	16	U
33213-65-9	Endosulfan II	16	U
72-54-8	4,4'-DDD	16	U
1031-07-8	Endosulfan sulfate	16	U
50-29-3	4,4'-DDT	16	U
72-43-5	Methoxychlor	80	U
53494-70-5	Endrin ketone	16	U
5103-71-9	alpha-Chlordane	8	U
5103-74-2	gamma-Chlordane	8	U
8001-35-2	Toxaphene	320	U
12674-11-2	Aroclor-1016	80	U
11104-28-2	Aroclor-1221	80	U
11141-16-5	Aroclor-1232	80	U
53469-21-9	Aroclor-1242	80	U
12672-29-6	Aroclor-1248	80	U
11097-69-1	Aroclor-1254	160	U
11096-82-5	Aroclor-1260	160	U

CHROMATOGRAM



Data File: >QB237::U6 Quant Output File: ^QB237::AQ
Name: IFB/PST/PCB Instrument ID: QA
Misc: QC70018G,QG70018,S:G2,30,40

Id File: I018IP::US
Title: IFB/PST/PCB 1.5%SP2250/1.95%SP2401 2 UL INJECTION
Last Calibration: 890621 16:04

Operator ID: KT8582
Quant Time: 890621 16:59
Injected at: 890620 21:06

Operator ID: KT8582 Quant Rev: 7 Quant Time: 890621 16:5~
Output File: ^QB237::AQ Injected at: 890620 21:06
Data File: >QB237::U6 Dilution Factor: 1.00000
Name: IFB/PST/PCB Instrument ID: Q~
Misc: QC70018G,QG70018,S:G2,30,40

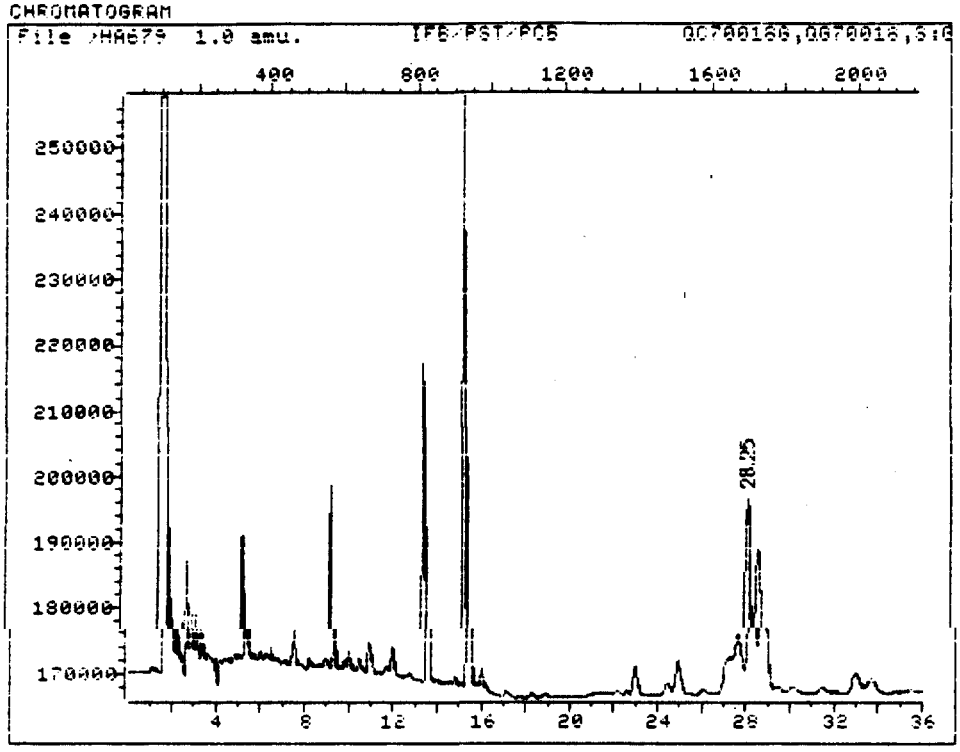
ID File: I018IP::US
Title: IFB/PST/PCB 1.5%SP2250/1.95%SP2401 2 UL INJECTION
Last Calibration: 890621 16:04

	Compound	R.T.	Scan#	Height	Conc	Units	q
19)	#Dibutylchlorendate	36.13	2166	303745	.240	UG/ML	100

Compound uses ESTD

KT 6/28/89

CHROMATOGRAM



Data File: >HA679::U4 Quant Output File: ^HA679::AQ
Name: IFB/PST/PCB Instrument ID: HA
Misc: QC70018G,QG70018,S:G2,30,40

Id File: I029IC::US
Title: IFB/PST/PCB DB-1701 2UL INJ
Last Calibration: 890705 18:01

Operator ID: KT8582
Quant Time: 890705 18:24
Injected at: 890705 17:42

QUANT REPORT

Operator ID: KT8582 Quant Rev: 7 Quant Time: 890705 18:24
Output File: ^HA679::AQ Injected at: 890705 17:42
Data File: >HA679::U4 Dilution Factor: 1.00000
Name: IFB/PST/PCB Instrument ID: HA
Misc: QC70018G,QG70018,S:G2,30,40

ID File: I029IC::US
Title: IFB/PST/PCB DB-1701 2UL INJ
Last Calibration: 890705 18:01

Compound	R.T.	Scan#	Height	Conc	Units	q
19) #Dibutylchlorendate	28.25	1693	29056	.0785	UG/ML	100

Compound uses ESTD

KT 7/6/89

1D

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

Lab Name: ETCNJ Contract:

Lab Code: Case No.: SAS No.: SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: CA0212GS

Sample wt/vol: ~~27.6~~ 30 (g/mL) G Lab File ID: >QB244

Level: (low/med) LOW 7/7/89 Date Received: 05/16/89

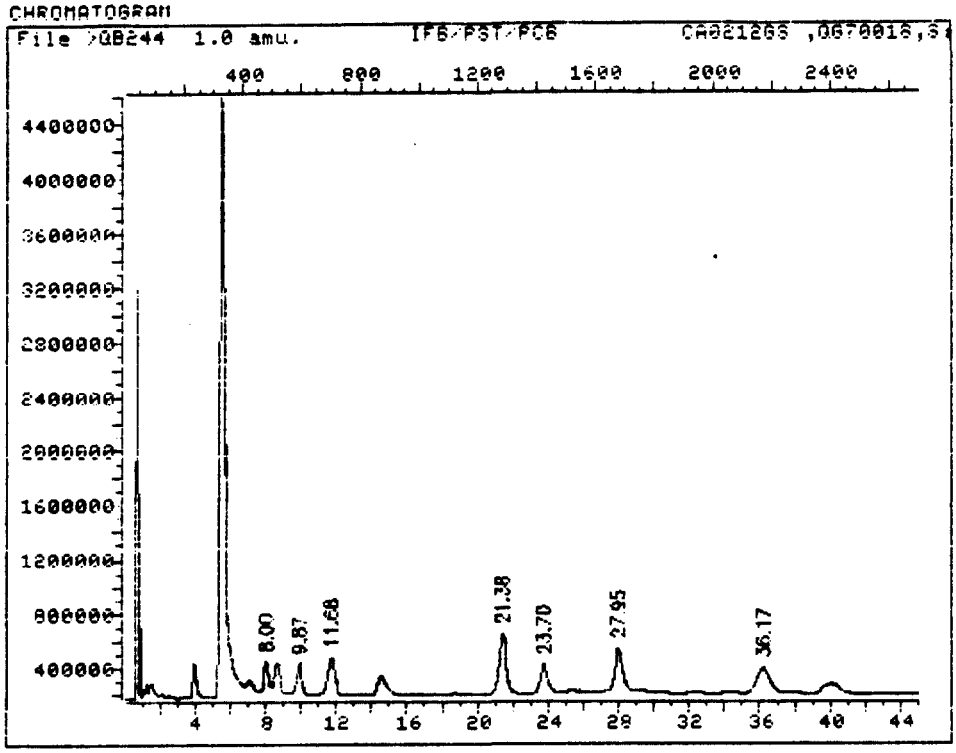
% Moisture: not dec. 8 dec. Date Extracted: 05/19/89

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 06/21/89

GPC Cleanup: (Y/N) N pH: Dilution Factor: 1

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-64-6	alpha-BHC	8.700	U
319-65-7	beta-BHC	8.700	U
319-86-8	delta-BHC	8.700	U
58-89-9	gamma-BHC(Lindane)	93	
76-44-8	Heptachlor	100	
309-00-2	Aldrin	140	
1024-57-3	Heptachlor epoxide	8.700	U
959-98-8	Endosulfan I	8.700	U
60-57-1	Dieldrin	300	
72-55-9	4,4'-DDE	17	U
72-20-8	Endrin	420	
33213-65-9	Endosulfan II	17	U
72-54-8	4,4'-DDD	17	U
1031-07-8	Endosulfan sulfate	17	U
50-29-3	4,4'-DDT	290	
72-43-5	Methoxychlor	87	U
53494-70-5	Endrin ketone	17	U
5103-71-9	alpha-Chlordane	8.700	U
5103-74-2	gamma-Chlordane	8.700	U
8001-35-2	Toxaphene	350	U
12674-11-2	Aroclor-1016	87	U
11104-28-2	Aroclor-1221	87	U
11141-16-5	Aroclor-1232	87	U
53469-21-9	Aroclor-1242	87	U
12672-29-6	Aroclor-1248	87	U
11097-69-1	Aroclor-1254	170	U
11096-82-5	Aroclor-1260	170	U

CHROMATOGRAM



Data File: >QB244::U6 Quant Output File: ^QB244::AQ
Name: IFB/PST/PCB Instrument ID: QA
Misc: CA0212GS ,QG70018,S:G2,27.60,40

Id File: I018IP::US
Title: IFB/PST/PCB 1.5%SP2250/1.95%SP2401 2 UL INJECTION
Last Calibration: 890621 16:04

Operator ID: KT8582
Quant Time: 890621 17:15
Injected at: 890621 03:16

Operator ID: KT8582 Quant Rev: 7 Quant Time: 890621 17:15
Output File: ^QB244::AQ Injected at: 890621 03:16
Data File: >QB244::U6 Dilution Factor: 1.00000
Name: IFB/PST/PCB Instrument ID: QB
Misc: CA0212GS ,QG70018,S:G2,27.60,40

ID File: I018IP::US
Title: IFB/PST/PCB 1.5%SP2250/1.95%SP2401 2 UL INJECTION
Last Calibration: 890621 16:04

	Compound	R.T.	Scan#	Height	Conc	Units	q
2)	#Gamma-BHC	8.00	478	233665	.0532	UG/ML	100
4)	#Heptachlor	9.87	590	240577	.0575	UG/ML	100
6)	#Aldrin	11.68	699	288705	.0808	UG/ML	100
12)	#Dieldrin	21.38	1281	450114	.172	UG/ML	100
13)	#Endrin	23.70	1420	226817	.244	UG/ML	100
16)	#4,4'-DDT	27.95	1675	324546	.169	UG/ML	100
19)	#Dibutylchlorendate	36.17	2168	200001	.158	UG/ML	100

Compound uses ESTD

KT 6/28/89

1D

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

Lab Name: ETCNJ Contract:

Lab Code: Case No.: SAS No.: SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: CA0212GR

Sample wt/vol: ~~27.6~~ 30 (g/mL) G Lab File ID: >QB245

Level: (low/med) LOW Date Received: 05/15/89

% Moisture: not dec. 8 dec. Date Extracted: 05/19/89

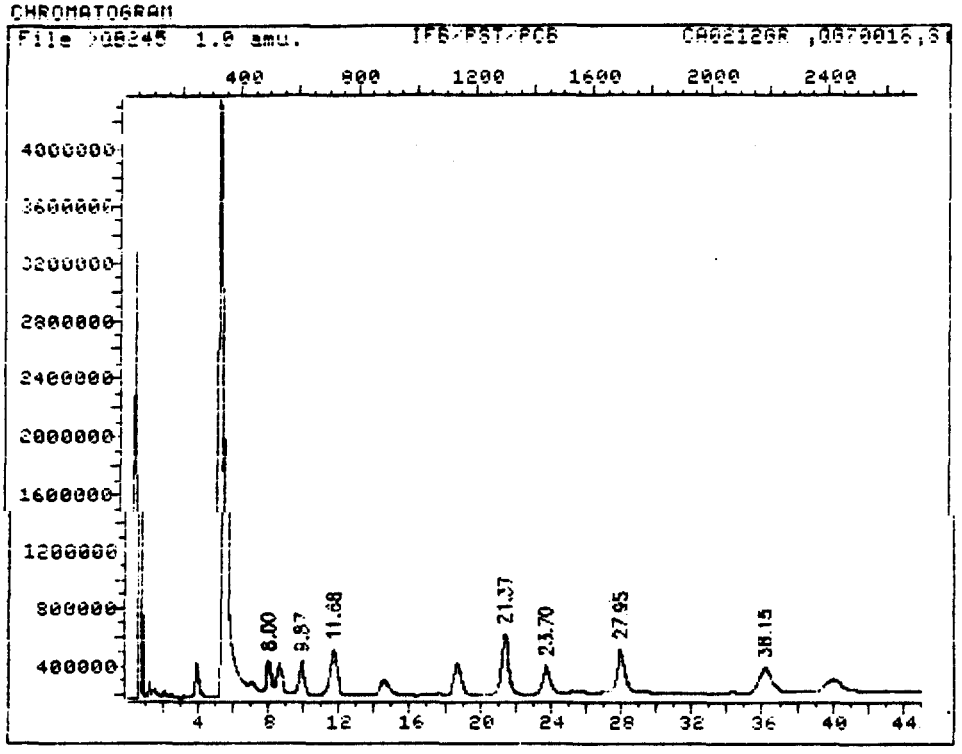
Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 06/21/89

GPC Cleanup: (Y/N) N pH: Dilution Factor: 1

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-64-6	alpha-BHC	8.700	U
319-65-7	beta-BHC	8.700	U
319-86-8	delta-BHC	8.700	U
58-89-9	gamma-BHC(Lindane)	88	
76-44-8	Heptachlor	99	
309-00-2	Aldrin	160	
1024-57-3	Heptachlor epoxide	8.700	U
959-98-8	Endosulfan I	8.700	U
60-57-1	Dieldrin	280	
72-55-9	4,4'-DDE	17	U
72-20-8	Endrin	390	
33213-65-9	Endosulfan II	17	U
72-54-8	4,4'-DDD	17	U
1031-07-8	Endosulfan sulfate	17	U
50-29-3	4,4'-DDT	270	
72-43-5	Methoxychlor	87	U
53494-70-5	Endrin ketone	17	U
5103-71-9	alpha-Chlordane	8.700	U
5103-74-2	gamma-Chlordane	8.700	U
8001-35-2	Toxaphene	350	U
12674-11-2	Aroclor-1016	87	U
11104-28-2	Aroclor-1221	87	U
11141-16-5	Aroclor-1232	87	U
53469-21-9	Aroclor-1242	87	U
12672-29-6	Aroclor-1248	87	U
11097-69-1	Aroclor-1254	170	U
11096-82-5	Aroclor-1260	170	U

7/12/89

CHROMATOGRAM



Data File: >QB245::Da Quant Output File: ^QB245::AQ
Name: IFB/PST/PCB Instrument ID: QA
Misc: CA0212GR ,QG70018,S:G2,27.63,40

Id File: I018IP::US
Title: IFB/PST/PCB 1.5%SP2250/1.95%SP2401 2 UL INJECTION
Last Calibration: 890621 16:04

Operator ID: KT8582
Quant Time: 890621 17:17
Injected at: 890621 04:08

Operator ID: KT8582 Quant Rev: 7 Quant Time: 890621 17:1?
Output File: ^QB245::AQ Injected at: 890621 04:08
Data File: >QB245::U6 Dilution Factor: 1.00000
Name: IFB/PST/PCB Instrument ID: QA
Misc: CA0212GR ,QG70018,S:G2,27.63,40

ID File: I018IP::US
Title: IFB/PST/PCB 1.5%SP2250/1.95%SP2401 2 UL INJECTION
Last Calibration: 890621 16:04

	Compound	R.T.	Scan#	Height	Conc	Units	q
2)	#Gamma-BHC	8.00	478	221697	.0505	UG/ML	100
4)	#Heptachlor	9.87	590	238721	.0571	UG/ML	10[illegible]
6)	#Aldrin	11.68	699	319874	.0895	UG/ML	100
12)	#Dieldrin	21.37	1280	425538	.163	UG/ML	10[illegible]
13)	#Endrin	23.70	1420	208769	.225	UG/ML	100
16)	#4,4'-DDT	27.95	1675	303938	.158	UG/ML	10[illegible]
19)	#Dibutylchlorendate	36.15	2167	188097	.149	UG/ML	100

Compound uses ESTD

KT 6/23/89

7/12/89

CHAIN OF CUSTODY

ENVIRONMENTAL TESTING and CERTIFICATION Seal No. 0147247 ETC Job # CA0212

CHAIN OF CUSTODY FORM (CC1)

ORIGINAL Date Sealed 89/04/05 By: K. C.

Company: PELA Attn.: ABNER PATTON

Facility/Site: CITY DISPOSAL CORP Phone: (608) 835 - 3733

Address: CITY DISPOSAL CORP LANDFILL, ,

SAMPLE IDENTIFICATION

Facility: 405 (Facility/Site Code) FROM INTERVAL 32-36' BLS IN WELL P2A (Optional Sample Point Descriptions)

Sample Point: SL P2A (Source Code (from below); Your Sample Point ID (left justify)) 5/9 (Start Date (YY/MM/DD)) 5/9 (Start Time (2400 hr. clock)) (Elapsed Hours (composite))

Source Codes:
Well (W) Outfall (O) Bottom Sediment (B) Surface Impoundment (I) Leachate Collection Sys. (C) Other (X)
Soil (S) River/Stream (R) Generation Point (G) Treatment Facility (T) Lake/Ocean (L) Specify

SHUTTLE CONTENTS

BOTTLE No	Type	Size	Preserv.	ANALYSIS	SAMPLER Filt. (Y/N)	SAMPLER Observations	LAB Observations
2	VOA	40	NONE	VOLATILES	N	✓	✓
1	CONU	1000	NONE	EXTRB/MS/PST/PCB	N	✓	✓
1	CONU	500	NONE	CY/T	N	✓	✓
1	METS	250	NONE	METAL(SOIL)	N	✓	✓

CHAIN OF CUSTODY CHRONICLE

1. Shuttle Opened By: (print) CLAYTON LINDSEY Date: 4-26-89 WCR 5-12-89 Time: 07:54 am
   Signature: Clayton Lindsey Seal #: 0147247 Intact: ~~ok~~ OK 4-26-89 WCR

2. I have received these materials in good condition from the above person.
   Name: Signature:
   Date: Time: Remarks:

3. I have received these materials in good condition from the above person.
   Name: Signature:
   Date: Time: Remarks: 350

4. Shuttle Sealed By: (print) CLAYTON LINDSEY Date: 5-12-89 Time: 16:46
   Signature: Clayton Lindsey Seal #: 147248 Intact: ok

LAB USE ONLY Opened By: K. Headley Date: 5/15/89 Time: 8:30
SHUTTLE # 52 TEMP °C 20 SEAL # 147348 COND. Intact

ETC

FIELD PARAMETER FORM (CC2)

Form 0002
Sample Management
08/88

ETC JOB # CA02/2

Sample Point [S] [P2A]
Source Code / Sample Point I.D.

FIELD PROCEDURES

PURGE DATE (YY MM DD) | START PURGE (2400 Hr Clock) | ELAPSED HRS | WATER VOL. IN CASING (Gallons) | VOLUME PURGED (Gallons)

SAMPLING METHOD: 3 INCH DIA SPLIT-SPOON 2 FT. IN LENGHT

Sampler Type [X] A-Submersible Pump, B-ISCO, C-Bladder Pump, D-Dipper/Bottle, E-Bailer, F-Scoop/Shovel — X-Other: STAINLESS STEEL SPATULA (SPECIFY OTHER)

Sampler Material [B] A-Teflon, B-Metal, C-PVC, D-Plastic — X-Other: _____ (SPECIFY OTHER)

Tubing Material [ ] A-Teflon, B-Tygon, C-Polyethylene, D-Silicon — X-Other: _____ (SPECIFY OTHER)

Sample Composited [(Y)N] SPLIT-SPOON DRIVEN OVER 4 FT INTERVAL
Procedure/Proportions

FIELD MEASUREMENTS

Well Elevation (ft/msl)
Depth to Ground water (ft)
Groundwater Elevation (ft msl)
Well Depth (ft)
Sample Depth (non-well) (ft)

	pH (STD)	Spec. Cond. umhos/cm at 25°C	(other parameter)	value	units
1st					
2nd					
3rd					
4th					

Sample Temp (°C)
Turbidity NTU

FIELD COMMENTS

Sample Appearance: SATURATED SOIL AND GRAVEL
Weather Conditions: 75°F, ~10-15 MPH NE WINDS, SUNNY
Other: BOREHOLE TIP I READING ~20 PPM ISOBUTYLENE EQUIVALENTS
SOIL SAMPLE TIP I READING .5 TO 1.0 PPM HEADSPACE
SOIL COLLECTED OVER INTERVAL 32-36 FT BELOW LAND SURFACE
BOREHOLE BESIDE SHEEP PASTURE NEAR EDGE OF CULTIVATED FIELD
COLLECTED SAMPLES BETWEEN 09:50 TO 10:02 AM

FILTERING: Use Chain of Custody (CC1) to indicate which bottles were filtered

Sampler: CLAYTON LINDSEY (Print) Employer: P.E. LAMOREAUX AND ASSOC.

I certify that sampling procedures were in accordance with applicable EPA state and corporate protocols.

5-12-89 (Date) Clayton Lindsey (Signature)

351

ORIGINAL

ENVIRONMENTAL TESTING and CERTIFICATION Seal No. 0147247 ETC Job # CA0253

CHAIN OF CUSTODY FORM (CC1) ORIGINAL Date Sealed 89/04/05 By: K.C.

Company: PELA Attn.: ABNER PATTON

Facility/Site: CITY DISPOSAL CORP Phone: (608) 835 - 3733

Address: CITY DISPOSAL CORP LANDFILL, ,

SAMPLE IDENTIFICATION

Facility: 405 (Facility/Site Code) TRIP BLANK (Optional Sample Point Description)

Sample Point: W (Source Code from below) TRIPBLANK1 (Your Sample Point ID, left justify) 890512 (Start Date YY/MM/DD) 5/12 (Start Time 2400 hr. clock) (Elapsed Hours composite)

Source Codes:
Well (W) Outfall (O) Bottom Sediment (B) Surface Impoundment (I) Leachate Collection Sys. (C) Other (X)
Soil (S) River/Stream (R) Generation Point (G) Treatment Facility (T) Lake/Ocean (L) Specify

SHUTTLE CONTENTS

BOTTLE No	Type	Size	Preserv.	ANALYSIS	SAMPLER Filt. (Y/N)	SAMPLER Observations	LAB Observations
2	VTB	40	GC/MS	VOLATILES		vial #1 [illegible] vial #2 bubble 2x [illegible] mm	✓
1	→	TRANSFERED VIAL # 2 TO SHUTTLE			#	001453	
		ALONG WITH SAMPLE BOTTLES ETC			JOB #	CA0211	
		5-12-89	Clayton Lindsey, PELA				

CHAIN OF CUSTODY CHRONICLE

1. Shuttle Opened By: (print) CLAYTON LINDSEY Date: 4-26-89 Time: 7:54am
   Signature: Clayton Lindsey Seal #: 0147247 Intact:

2. I have received these materials in good condition from the above person.
   Name: Signature:
   Date: Time: Remarks:

3. I have received these materials in good condition from the above person.
   Name: Signature:
   Date: Time: Remarks: 352

4. Shuttle Sealed By: (print) CLAYTON LINDSEY Date: 5-12-89 Time: 16:48
   Signature: Clayton Lindsey Seal #: 0147248 Intact: OK signature

LAB USE ONLY Opened By: [signature] Date: 5/15/89 Time: 8:30
SHUTTLE # 52 TEMP. °C 12° SEAL # 147248 COND. Original

ETC

FIELD PARAMETER FORM (CC2)

Form 0002
Sample Management
08/88

ETC JOB # CA0253

Sample Point [ ] [ ] Source Code / Sample Point I.D.

FIELD PROCEDURES

PURGE DATE (YY MM DD)	START PURGE (2400 Hr Clock)	ELAPSED HRS	WATER VOL. IN CASING (Gallons)	VOLUME PURGED (Gallons)

SAMPLING METHOD: _____

Sampler Type [ ] A-Submersible Pump, B-ISCO, C-Bladder Pump, D-Dipper/Bottle, E-Bailer, F-Scoop/Shovel, X-Other _____ (SPECIFY OTHER)

Sampler Material [ ] A-Teflon, B-Metal, C-PVC, D-Plastic, X-Other _____ (SPECIFY OTHER)

Tubing Material [ ] A-Teflon, B-Tygon, C-Polyethylene, D-Silicon, X-Other _____ (SPECIFY OTHER)

Sample Composited [Y/N] _____ Procedure/Proportions

FIELD MEASUREMENTS

Well Elevation (ft/msl) [ ]
Depth to Ground water (ft) [ ]
Groundwater Elevation (ft msl) [ ]

Well Depth (ft) [ ]
Sample Depth (non-well) (ft) [ ]

	ph	(STD)		spec. cond.	um/cm at 25° C	(other parameter)	value	units
1st	[ ]	(STD)	1st	[ ]	um/cm at 25° C	[ ]	[ ]	[ ]
2nd	[ ]	(STD)	2nd	[ ]	um/cm at 25°C	[ ]	[ ]	[ ]
3rd	[ ]	(STD)	3rd	[ ]	um/cm at 25°C	[ ]	[ ]	[ ]
4th	[ ]	(STD)	4th	[ ]	um/cm at 25°C	[ ]	[ ]	[ ]

[ ] (°C) Sample Temp

[ ] NTU Turbidity

FIELD COMMENTS

Sample Appearance: _____

Weather Conditions: _____

Other: CA0253 ~~CA0254~~ WAS 2 VTB 40ml BOTTLES FOR VOLATILE ANALYSIS. IT WAS [redacted] DECIDED THAT SPLITING THE BOTTLES AND PUTTING ONE WITH THE CA0211 BOTTLES INTO ANOTHER SAMPLE SHUTTLE FOR LATER USE IN SAMPLE COLLECTION WOULD MEET REQUIREMENTS

FILTERING: Use Chain of Custody (CC1) to indicate which bottles were filtered

Sampler: CLAYTON LINDSEY (Print) Employer: PELA

I certify that sampling procedures were in accordance with applicable EPA state and corporate protocols.

(Date) (Signature) Clayton Lindsey 353

SAMPLE NUMBER	LOG LINK	pH	CRUCIBLE WEIGHT (g)	CRUCIBLE & WET SOIL WEIGHT (g)	WET SOIL WEIGHT (g)	CRUCIBLE & DRY SOIL WEIGHT (g)	DRY SOIL WEIGHT (g)	PERCENT MOISTURE (%)
CA0212	100044	8.4	12.25	16.08	3.83	15.72	3.47	9

QC Batch # 70011

CASE # _____

pH AND MOISTURE DETERMINATION

DATE: 5.16.89

$$\% \text{ Moisture} = \frac{\text{Wet soil weight} - \text{dry soil weight}}{\text{wet soil weight}}$$

To calculate dry weight of sample:

$$1 - \frac{\%m}{100} \times \text{wet weight of sample (from ext. log)} = \text{Dry weight (to be filled in in appropriate box on ext. log)}$$

COMMENTS:

TECHNICIANS

pH: Rc 5.16.89

% Moisture set-up: Rc 5.16.89

% Moisture completion: _____

UPD/Supervisor: _____

ETC ENVIRONMENTAL TESTING and CERTIFICATION

LABORATORY CHRONICLE: GC-MS Department

DATE 5/16/89 4pm SHIFT
FRACTION ~~VOL~~/UCA/IFB
INSTRUMENT C
TUNE FILE AFEIC1
SEQUENCE FILE CCC
METHOD FILE LCAC
ID FILE ~~[illegible]~~ IC1016
ANALYST(S) [illegible]
SUPERVISOR [illegible]
BATCH #'s QC70012

(PLEASE INITIAL)

CURRENT CS05 STATUS		STANDARDS UPDATED	
ACQ		DATE	
WIP		BY	

STANDARD	CONC PPM	LOT NO.	LOT VOL. uL
P-BFB	25	20400	2
Int std	25	21004	10
Surr	25	20937	10
Cal I	50	21152	2,5,10,15,20
Cal II	50	21140	↓
XUCA	50	21050	↓
MATRIX SPIKE	25	20793	10ul

TAPE#

NAME	DATA FILE	uL INJ	ALS #	DIL	INJECTED TIME	SPECIALS (WRITE A-TYPE)	PLUS Y/N
P BFB	>C6270	2ul	—		09 55	OK SCAN 208	
QC70012US	>C6271	5ml	1	CBCPd	11 42	20ul Cal I+II+X	
QC70012US	>C6272		2	CBCAL	12:34	15ul	
QC70012US	>C6273		3	QT	13:26	10ul	
QC70012US	>C6274		4		14:19	5ul	
QC70012US	>C6275		5		15:11	2ul	
QC70012U	>C6276	↓	6		NG	BLANK SURR LOW	
QC70012U	>C6277	5ml	6		17:49	OK BLANK	
P-BFB	>C6278	2ul	—		18:34	OK SCAN 202	
CA0365US	C6279	5ml	1		19 04	OK 10ul IFB MATRIX SPIKE	
CA0365UR	C6280		2		19 55	OK 10ul ↓	
CA0365U	C6281		3		20:45	OK	
CA0368U	C6282		4			NG LEAK	
CA0369U	C6283		5				
CA0370U	C6284		6				
CA0371U	C6285		7				
CA0372U	C6286		8				
CA0373U	C6287		9				
CA0374U	C6288	↓	10			↓	
P-BFB	C6289	2ul	—		08:22	OK SCAN 208+230	
QC70012US	C6290	5ml	1	QCAL	09 06	OK 5ul Cal I+II	
QC70012U	C6291	↓	2		09:56	OK (>C6291)	
(R) CA0368U	C6292		1		11:04	OK 355	
(R) CA0369U	C6293		2		11:54	OK	

ETC FORM #102

ETC ENVIRONMENTAL TESTING and CERTIFICATION

LABORATORY CHRONICLE: GC-MS Department

DATE 5/19/89 SHIFT
FRACTION IFBLWCA
INSTRUMENT C
TUNE FILE APEI01
SEQUENCE FILE CCC
METHOD FILE VOAC
ID FILE ICI017
ANALYST(S) Greg Magnuski
SUPERVISOR Gregory Magnuski
BATCH #'s QC70014

(PLEASE INITIAL)

CURRENT CSOS STATUS		STANDARDS UPDATED	
ACO		DATE	
WIP		BY	

STANDARD	CONC PPM	LOT NO.	LOT VOL. ul
P-BFB	25	20469	2
Int Std	25	21004	10
Surr	25	20937	10
Cal I	50	21152	2.5.10.15.20
Cal II	50	21146	"
Matrix	25	20743	10

TAPE# _____

NAME	DATA FILE	uL INJ	ALS #	DIL	INJECTED TIME	SPECIALS (WRITE A-TYPE)	PLUS Y/N
P-BFB	>C6315	2ul	—		12:16	OK	
QC70014US	C6316	5ml	1	CCAL	13:13	OK 5ul Cal I+II	
QC70014U	C6317	"	2		14:03	OK	
CAC425U	C6318	5ml	1		ug	~~RERUN 1:5 sm~~	
CAC425US	C6319	|	2		NOT RUN	10 ul MATRIX SPKS	
CAC425UR	C6320	|	3		NOT RUN	10 ul MATRIX SPKS	
QC70014U	C6328	|	1			ug POSITION BLANK	
QC70014U	C6329	|	1		18:11	ok	
CAC431U	C6321	50ul	4	1:100	ug	RERUN 1:100	
CAC432U	C6322	5ml	5		20:01	ok	
CAC433U	C6323	|	6		20:51	OK	
CAC434U	C6324	|	7		21:41	OK	
CAC437U	C6325	|	8		22:31	OK	
CAC438U	C6326	|	9		23:21	OK	
CAC441U	C6327	|	10		00:11	OK	
P-BFB	C6330	2ul	—		08:58	OK (C6330)	
QC70014US	C6331	5ml	1	CCAL	10:11	OK 5ul Cal I+II	
QC70014U	C6332		2		11:02	OK BLANK	
(R) CAC425U	C6333	.25	1	1:20	12:10	OK RERUN 1:50 FOR #36	
(R) CAC431U	C6334	.5	2	1:10		ug RERUN 1:100	
CAC443U	C6335	5ml	3			ug possible carry ????	
CAC375U	C6336		4			NOT RUN	
QC70014U	>C6342	5ml	2	356	15:30	OK POSITION BLANK	
P-BFB	C6343	2ul	—		~~09:55~~ 16:37 sm	OK 208-195	

ETC FORM #102

ETC ENVIRONMENTAL TESTING and CERTIFICATION

LABORATORY CHRONICLE: GC-MS Department

DATE 5/19/84 SHIFT
FRACTION VOA / IFB
INSTRUMENT C
TUNE FILE APFI01
SEQUENCE FILE CCC
METHOD FILE VOA C
ID FILE IC1017
ANALYST(S) Greg Maguet
SUPERVISOR Gregory Maguet
BATCH #'s QU700V4

(PLEASE INITIAL)

CURRENT CS05 STATUS		STANDARDS UPDATED	
ACQ		DATE	
WIP		BY	

STANDARD	CONC PPM	LOT NO.	LOT VOL.
see page 1			

TAPE#

NAME	DATA FILE	uL INJ	ALS #	DIL	INJECTED TIME	SPECIALS (WRITE A-TYPE)	PLUS Y/N
CA0376V	›C6337	5ml	5			NG	
CA0377V	C6338	↓	6		18:48	OK	
CA0378V	C6339	0.5	7	1:10		NG Rerun	
CA0379V	C6340	5ml	8		19:45	OK	
CA0253V	C6341	↓	9		20:36	OK	
CA0475V	C6344		10			NG	
P-BFB	C6345	2ul	—		09:55	OK 208-195	
GC70014VS	C6346	5ml	1	[illegible]	10:39	ok 5ul [illegible]	
GC70014V	C6347	↓	2		12:25	OK BLANK	
CA0253VS	C6348	↓	1		13:37	OK 10ul Matrix spike	
CA0253VR	C6349		2		14:27	OK 10ul ↓	
Ⓡ CA0425V	C6350	100ul	3	1:50	15:29	OK FOR #36 ONLY	
Ⓡ CA0443V	C6351		4		16:20	OK	
Ⓡ CA0375V	C6352		5		17:11	OK	
Ⓡ CA0376V	C6353		6		18:02	OK	
Ⓡ CA0378V	C6354	↓	7		18:53	OK	
Ⓡ CA0431V	C6355	5ul	8	1:1000	19:44	OK	
CA0376VS	C6356	5ml	9		20:34	OK 10ul Matrix	
CA0376VR	C6357	↓	10		21:25	10ul ↓	

ETC FORM #102

Note: The information which is "blocked-out" on the following Laboratory Chronicle does not pertain to the analysis of your sample, and should be considered as ETC confidential.

Thank you

ETC ENVIRONMENTAL TESTING and CERTIFICATION

LABORATORY CHRONICLE: GC-MS Department

DATE 5/18/89 SHIFT
FRACTION 2IFB/CA
INSTRUMENT D
TUNE FILE APCIO2
SEQUENCE FILE DDD
METHOD FILE UCAD
ID FILE IDIO16
ANALYST(S) Greg Magnuski
SUPERVISOR Greg Magnuski
BATCH #'s QC700811U

(PLEASE INITIAL)

CURRENT CSOS STATUS		STANDARDS UPDATED	
ACQ		DATE	
WIP		BY	

STANDARD	CONC PPM	LOT NO.	LOT VOL.
P-BFB	25	20409	2 ul
Surr Std	25	21004	10
Surr	25	20937	10
Cal I	50	21152	2.5, 10, 15, 20
Cal II	50	21140	↓
Matrix Spike	25	20793	10

TAPE# _____

NAME	DATA FILE	uL INJ	ALS #	DIL	INJECTED TIME	SPECIALS (WRITE A-TYPE)	PLUS Y/N
P-BFB	>D6510	2ul	—		20:06	OK 216 wh-175 BM	
QC700111US	>D6511	5g	1		20:49	20ul Cal I+II	
QC700111US	>D6512	↓	2	CCUPd CCAL QT	21:37	15	
QC700111US	>D6513		3		22:24	10	
QC700111US	>D6514		4		23:12	5	
QC700111US	>D6515		5		00:00	2	
QC700111U	>D6516	↓	6		00:48	OK BLANK	Y
P-BFB	>D6517	2ul	—		09:41	OK 217-199	
QC700111US	>D6518	5g	1		NG	5ul Cal I+II	
QC700111U	>D6519	↓	2		11:41	OK	Y
QC700111US	>D6520	↓	1	QCAL	12:30	OK 5ul Cal I+II	
CA0212U	>D6521	5g	11		NG	LEAK	
BJ1630U	>D6522	↓	12		14:31	OK (BJ1630)	Y
CA0212US	>D6523	↓	13		15:20	OK 10ul MATRIX spike	[redacted]
CA0212UR	>D6524	↓	14		NG	LEAK 10ul ↓	[redacted]
®CA0212U	D6525	5g	1		17:39	OK	Y
®CA0212UR	D6526	↓	3		18:27	OK 10ul MATRIX	
BJ1630US	D6527	↓	3		19:14	OK 10ul ↓	[redacted]
BJ1630UR	D6528	↓	4		20:02	OK 10ul	
CA0742U	D6529	↓	5			NG	
CA0744U	D6530	↓	6			NG	
P-BFB	D6532	2ul	—		9:49	OK 220-50	
QC700111US	D6533	5g	1	QCAL	10:31	OK 5ul Cal I+II	
QC700111U	D6534	↓	2			NG	

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ETC FORM #102

ETC ENVIRONMENTAL TESTING and CERTIFICATION

LABORATORY CHRONICLE: GC-MS Department

DATE 5/20/89 SHIFT
FRACTION 2IFD/10A
INSTRUMENT D
TUNE FILE APSIC1
SEQUENCE FILE DDD
METHOD FILE VCAD
ID FILE ID1C16
ANALYST(S) [illegible]

SUPERVISOR [illegible]
BATCH #'s QU70011

(PLEASE INITIAL)

CURRENT CS05 STATUS		STANDARDS UPDATED	
ACQ		DATE	
WIP		BY	

STANDARD	CONC PPM	LOT NO.	LOT VOL.
see page 1			

TAPE#

NAME	DATA FILE	uL INJ	ALS #	DIL	INJECTED TIME	SPECIALS (WRITE A-TYPE)	PLUS Y/N
QC70011U	D6535	5g	2		14:12	ok	Y
® CA07420	D6536		3		15:29	ok	
® CA0744U	D6537		4		16:18	ok	
CA0741U	D6538		5		17:07	NG	
CA0741US	D6539		6		17:55	NG 10ul MATRIX [redacted]	
CA0741UR	D6540		7		18:43	NG 10ul MATRIX	
CA0745U	D6544		8		~~20:17~~	19:29 @ 5-22-89 NG	
CA0739U	D6541		9		20:17	NG	
CA0740U	D6542		10		21:05	NG	
CA0743U	D6543		11			Fatal MS error NG	

ETC FORM #102

LABORATORY CHRONICLE: Sample Preparation Department	QC BATCH NO: QC70018

JOB NO.	LOGLINK	VER S	SAMPLE AMT ml gm	MOIST %	DRY WGHT gm	EXTRACT VOL (ml) BNA	PH	PST PCB	VER C-IMP	REPEAT ORIGINAL JOB NO.	ORIGINAL QS. NO.	ATYPES
BJ1630	100053	I.V	30.80	24	23.41	10.0	7	40.0	(2)			2IFB/ORG/PST/PCB
CA0212	100044	I.V	30.30	8	27.88	10.0	8	40.0	(2)			2IFB/PST/PCB ~~only~~ BNA
EPA Blank	MA 5/30/89	—	—	—	—	—	—					
QS 70018	VERIFY SPIKE	I.V	—	—	—	10.0	-	40.0	(2)			
QS70018 S1	J. Vajda	I.V	—	—	—	10.0	-	40.0	(2)			
~~S2~~												
BJ1630 MS1	J.V 5-19	I.V	31.00	24	23.30	10.0	7	40.0	(2)			
BJ1630 MSD1	J.V	I.V	30.03	24	22.82	10.0	7	40.0	(2)			
CA0212 MS2	J.V	I.V	30.01	8	27.60	10.0	8	40.0	(2)			
CA0212 MSD2	J.V	I.V	30.04	8	27.63	10.0	8	40.0	(2)			

⊛ No GPC performed; extract diluted to 10ml for BN because of darkness and consistency.

COMMENTS: SONICATE 30 GRAMS ~~...~~ → ~~4.0 ml → 0.9ml F.V written as 2.0ml~~ 10ml ↘ 0.5ml solv exchanged, 1:1 ace/hex 1.0ml alumina, conc to ~~1.0 ml~~ F.V written as 1.0ml 2.0ml F.V.

Al2O3, % MOISTURE, pH

PROCEDURE	SIGNATURE	DATE
☐ CONTINUOUS	NA	
☐ SEP. FUNNEL	↓	
☐ SOXHLET	↓	
☒ SONIFICATION	RL J. Vajda	5-19
☐ DILUTION		
☐ DERIVATION	NA	
☒ CLEANUP ALUMINA	[signature] / RL	5/30
☒ SETUP ⊛ GPC	NA 5/18/89	
☒ CONCENTRATION	[signature] / J.V	6/2/89
☒ SUPERVISOR	[signature]	6/2/89

SPIKE	VOL ml	CONC ug/ml	LOT NUMBER
IFB BNA MATRIX SPIKE	1.0	100/200	20500 Exp 4-5-89
IFB PEST MATRIX SPIKE	800 ul	2/5	20307

SURROGATES	VOL ml	CONC ug/ml	LOT NUMBER
BNA SURR	1.0	100/200	21237
DBC ONLY	2	2	20767

MATRIX
- ☐ 1 WATER
- ☒ 2 SOIL
- ☐ 3 COMPLEX
- ☐ 4 ORGANIC LIQ.

UPDATES
- ☒ QS
- ☒ WIP
- ☒ DONE

Rec: 5/15

EHD: 5/25

IFB

ate 6/7/89 Instr. G

-Type BNA/PST
ine file MTG001
eq. file GMG
ethod file BNA G
) file I GC08C IdMAZ
3 file I GC08C GdMAZ
nalyst/Group
Yug Magnuk

atch #'s GC70026, GC70018, GC70024

Standards Updated 6/8
Date 6/8/89 By Yug Magnuk

ape # R00058-59 Inj. 2 ul

Standard	Conc ppm	Lot No.	Lot Vol.
DFTPP	50	20951	2ul
I. S.	4000	21017	10ul
BNA_Calib_I	20	21014/21011	2ul
BNA_Calib_II	50	21030/21032	
BNA_Calib_III	80	21031/21033	
BNA_Calib_IV	120	21032/21034	
BNA_Calib_V	160	21033/21035	
PST_Calib_V	160	20910	

Seq #	NAME	DATA File	init. vol.	ALS #	Dil	Inj. Time	Specials (A-Type / Comments)	P
1	TESTMIX	>G7300		1		13:08	OK	
2	DFTPP	>G7301		2		15:57	OK	
3	PESTVI	>G7302		3		16:31		
4	BNAV	>G7303		4	CBupd CBCAL	17:23		
5	BNAIV	>G7304		5		19:09		
6	BNAIII	>G7305		6		20:00		
7	BNAII	>G7306		7		20:50		
8	BNAI	>G7307		8		21:41		
9	DFTPP	>G7308		2		22:27	OK	
10	QC70026C	>G7309	30.00	9		22:47		Y
11	QC70026CS	>G7310	30.00	10		23:37		A
12	CA0958C	>G7311	25.60	11		00:27		Y
13	CA0958CS	>G7312	25.53	12		01:18		A
14	CA0958CR	>G7313	25.53	13		02:09		H
15	CA0953C	>G7314	25.20	14		02:59		Y
16	CA0956C	>G7315	26.01	15		03:50		Y

R : redo , A or P : Aroclr search , Y : Plus search

ate 6/5/89 A-Type BUA/AST Group CLP1 Seq.file_GMG ,

tch #'s QC70018 Analyst Gregory Mayewski

R	Seq #	NAME	DATA File	Init. vol.	ALS #	Dil	Inj. Time	Specials (A-Type / Comments)	P
	17	CA0959C	>G7316	25.20	16		04:40		Y
	18	CA0960C	>G7317	25.32	17		05:31		Y
	19	CA0984C	>G7318	26.18	18		06:21		Y
	20	CA0985C	>G7319	25.51	19		07:12		Y
	21	DFTPP	>G7320		2		07:58	OK	
	22	BNAII	>G7321		7	QCAL	08:19	OK	
	23	QC70018C	>G7322	30.00	20		09:10	OK	Y
	24	QC70018CS	>G7323	30.00	21		10:00	OK	A
	25	BJ1630C	>G7324	30.80	22		10:50	OK	Y
	26	BJ1630CS	>G7325	30.00	23		11:41	OK	
	27	BJ1630CR	>G7326	30.03	24		12:31	ug	A
	28	CA0212C	>G7327	30.30	25		13:21	ug	Y
	29	CA0212CS	>G7328	30.01	26		14:11	ug	
	30	CA0212CR	>G7329	30.04	27		15:02	OK	A
	31	DFTPP	>G7330		2		19:43	OK	
	32	BNAII	>G7331		7	QCAL	20:04	OK	
	33	CA0747C	>G7332	980.0	30		20:56		
	34	CA0753C	>G7333	980.0	31		21:47		
	35	CA0747CS	>G7334	990.0	32		22:38		
	36	CA0747CR	>G7335	980.0	33		23:28		
	37	QC70028CS	>G7336	1000.	34		00:19		
	38	QC70028C	>G7337	1000.	35		01:09		
	39	QC70024C	>G7338	1000.	36		02:00		
	40	QC70024CS	>G7339	1000.	37		02:51		

R : redo , A or P : Arocolr search , Y : Plus search

TC Corp. LABORATORY CHRONICLE : GC-MS Department page 4 of 6

ate 6/10/89 A-Type BNA/PST Group CLP1 Seq.file GMG ,

stch #'s GC7C018 Analyst Gregory Mayunk

R	Seq #	NAME	DATA File	init. vol.	ALS #	Dil	Inj. Time	Specials (A-Type / Comments)	P
	65	CA0772C	>G7356	1020.	51		05:09		
	66	CA0773C	>G7357	1050.	52		06:00		
	67	CA0774C	>G7358	1050.	53		06:51		
	68	DFTPP	>G7359		2		13:03	OK	
	69	BNAII	>G7360		7	QCAL	13:27	OK	
	70	CA0776C	>G7361	1060.	10		14:24		
	71	CA0769C	>G7362	1020.	11		15:14		
	72	QC70018C	>G7363	30.00	12		16:06	wgt. weeded	
X	73	BJ1630CR	>G7364	30.03	13		16:56	OK	
X	74	CA0212C	>G7365	30.30	14		17:46	OK	
X	75	CA0212CS	>G7366	30.01	15		18:38	OK	
	76	CA0776C	>G7367	1030.	16		19:29		
	77	BJ1630CS	>G7368	30.00	17		20:20		
	78	QC70021C	>G7380	1000.	18		21:10		P
	79	QC70021CS	>G7381	1000.	19		22:01		A
	80	CA0748CS	>G7382	1000.	20		22:53		A
	81	DFTPP	>G7383		2		23:39		
	82	BNAII	>G7384		7		00:00		
	83	CA0748CR	>G7385	1000.	21		00:51		A
	84	CA0748C	>G7386	1000.	22		01:41		P
	85	QC70025C	>G7387	10.00	23		02:33		
	86	QC70025CS	>G7388	10.00	24		03:24		
	87	CA0909CS	>G7389	10.05	25		04:14		
	88	CA0909CR	>G7390	10.03	26		05:05		

R.: redo , A or P : Arocolr search , Y : Plus search

LABORATORY CHRONICLE: GC Department

DATE 06/19/89 INSTRUMENT QB
ANALYSIS IEB/PST/PCB
COLUMN 1.5% SP2250/1.95% SP2401 LOT # T31575
CALB FILE
SEQUENCE FILE QB0619
METHOD FILE IEBPQB
DFILE I0191P
ANALYSTS' SIGNATURES Dawn Taylor

SUPERVISOR'S SIGNATURE Dawn Taylor
BATCH #'S QG700018 QG700016
QG700029 10

PLEASE INITIAL AND DATE

CURRENT CSOS STATUS		STANDARDS UPDATED	
ACQ		DATE	6/21/89
WIP		BY	RG

STANDARD	CONC PPM	LOT NO
Eval A	.008/.010	21197
Eval B	.029/.05	21198
Eval C	.05/.10	21199
Ind A	.025/.05/.08	21291
Ind B	.025/.05	21170
DD I/II/III	.01/.05/.20	21220/21221/21222
Toxaph	1.0	21946
AR1016	.25	20678
A1221	.25	20684
AR1232	.25	20690
AR1242	.25	20696
AR1248	.25	20702
AR1254	.50	20852
AR1260	.50	20858

TAPE # W00094 UL INJ 2.0

NAME	DATA FILE DETECTOR 1	DATA FILE DETECTOR 2 ECD	ALS #	DILUTION	SPECIALS (ATYPE OR COMMENTS)
Eval A		>QB221	1		
Eval B		222	2		
Eval C		223	3		
Ind A		224	4		
Ind B		225	5		
DD I		226	6		NNFR Not run.
DD II		227	7		
DD III		228	8		
Toxaph		229	9		
AR1016		230	10		
AR1221		231	11		
AR1232		232	12		
AR1242		233	13		
AR1248		234	14		
AR1254		235	15		
AR1260		236	16		
QC700186		237	17		
QC700186S		238	18		
BJ1690G		239	19		
BJ1630GS		240	20		
BJ1630GR		241	21		
Eval B		242	22		
CA0212G		243	23		
CA0212GS		244	24		
CA0212GR		245	25		

LABORATORY CHRONICLE: GC Department

DATE 06/19/89 INSTRUMENT QB
ATYPES: IEB/PBT/PCB
COLUMN [illegible] LOT # I81575
CALB FILE
SEQUENCE FILE QB06J9
METHOD FILE IEBPQB
DFILE I019EP
ANALYSTS' SIGNATURES Karen Taylor

SUPERVISOR'S SIGNATURE Karen Taylor
BATCH #'S QG70018 QG70010
QG70019 10

PLEASE INITIAL AND DATE

CURRENT CSOS STATUS		STANDARDS UPDATED
ACG	DATE	6/21/89
WP	BY	KT

STANDARD	CONC DOM	LOT NO
See Pg 1.		

TAPE # W00094 GL INJ 20

NAME	DATA FILE DETECTOR 1	DATA FILE DETECTOR 2 ECD	ALS #	DILUTION	SPECIALS (ATYPE OR COMMENTS)
QC70010G		>QB246	26		
QC70010GS		247	27		
Ind A		248	28		
GA1345G		249	29		
CA0988G		250	30		
CA0988GS		251	31		
CA0988GR		252	32		
BI1630M3A		253	33		
Eval B		254	34		
QC70029G		255	35		
QC70029GS		256	36		
CA0885G		257	37		
CA0885GS		258	38		
CA0885GR		259	39		
Ind B II		260	40		
CA0841G		261	41		
CA0842G		262	42		
CA0839G		263	43		
CA0844G		264	44		
CA0845G		265	45		
Eval B		266	46		
CA0886G		267	47		
CA0887G		268	48		
CA0830G		269	49		
CA0831G		270	50		

LABORATORY CHRONICLE: GC Department

DATE 06/19/89 INSTRUMENT QB
ATYPE(S) IEB/PST/PCB
COLUMN 5%... LOT # T31575
CALIB FILE
SEQUENCE FILE QB0619
METHOD FILE IEBPQB
D FILE I018IP
ANALYST(S) SIGNATURES Karen Taylor

SUPERVISOR'S SIGNATURE Karen Taylor
BATCH #S QG70018, QG70010
QG70029

(PLEASE INITIAL AND DATE)

CURRENT CS05 STATUS		STANDARDS UPDATED	
ACQ		DATE	6/21/89
NP		BY	KT

STANDARD	CONC PPM	LOT NO
See pg. 1.		

TAPE # W00095 VOL INJ 2.0

NAME	DATA FILE DETECTOR 1	DATA FILE DETECTOR 2 ECD	ALS #	DILUTION	SPECIALS (ATYPE OR COMMENTS)
CA0832G		2QB271	51		
Ind A		272	52		
CA0833G		273	53		
CA083 ~~8~~4G		274	54		
CA0838 G		275	55		
Eval B		276	56		
~~Ind A~~ CA0212G		277	57		
~~Ind B~~ BJ1630G		278	58	1:10	
BJ1630GS		279	59	1:10	
BJ1630GR		280	60	1:10	
CA0841G		281	61	1:10	NNFR
Ind B		282	62		
CA0839G		283	63	1:10	NNFR
CA0839G		284	64	1:50	
Eval B		285	65		
Ind A		286	66		
Ind B		287	67		

Rev. 6/2/88

Date 07/05/89 Instr. HA

Type IEB/PST/PCB
Column DB-1701
Col. Lot 8267557
Stnd. File
Seq. File HA0705
Method file IEBPHA
Ct File I029IC
Configu. file E0019C
Analyst/Group Karen Taylor/CLPI
Batch #'s

Q670018, Q670029, Q670019

Standard Updated
Date 07/05/89 By KT

Tape # W00097 Inj. 2.0 ul

Standard	Conc. ppm	Lot No.	Standard	Conc. ppm	Lot No.
Eval A	Mix	21197			
Eval B	↓	21198			
Eval C	↓	21199			
Ind A	↓	21291			
Ind B	↓	21170			
AR1248	.25	20703			
AR1254	.50	20832			
AR1260	.50	20837			

Pr	Seq #	NAME	Data File Detec.1 ECD	Data File Detec.2	Init. vol.	ALS #	Dil	Specials (A-Type or Comments)
	1	EVALA	>HA671			1		
	2	EVALB	>HA672			2		
	3	EVALC	>HA673			3		
	4	INDA	>HA674			4		
	5	INDB	>HA675			5		
	6	AR1248	>HA676			6		
	7	AR1254	>HA677			7		
	8	AR1260	>HA678			8		
	9	QC700186	>HA679		30.00	9		
	10	BJ16306	>HA680		23.41	10	1:10	
	11	BJ1630GS	>HA681		22.80	11	1:10	
	12	BJ1630GR	>HA682		22.82	12	1:10	
	13	QC700296	>HA683		30.00	13		
	14	EVALB	>HA684			14		
	15	CA08416	>HA685		22.02	15		
	16	CA08446	>HA686		26.70	16		

R : redo

Date 07/05/89 A-Type IEB/PST/PCB Group CLP1 Seq.File HA1205 ,

Batch #'s 0670018,0670029,0670019 Analyst Karen Taylor

P	Seq #	NAME	Date File Detec.1	Detec.2	Init. vol.	ALS #	Dil	Specials (A-Type or Comments)
			ECD					
	17	CA08456	I>HA687		21.94	17		
	18	CA08866	I>HA688		25.88	18		
	19	CA08826	I>HA689		25.22	19		
	20	INDA	I>HA690			20		
	21	QC200196	I>HA691		30.00	21		
	22	CA06316	I>HA692		26.13	22		
	23	CA06316S	I>HA693		26.12	23		
	24	CA06316R	I>HA694		26.12	24		
	25	CA05666	I>HA695		26.27	25		
	26	EQALB	I>HA696			26		
	27	CA06511S	I>HA697		27.34	27		
	28	CA06486	I>HA698		23.70	28	1:10	
	29	CA07556	I>HA699		25.85	29		
	30	CA06296	I>HA700		25.85	30		
	31	CA06326	I>HA701		25.51	31		
	32	INDA	I>HA702			32		
	33	INDA	I>HA703			33		

R : redo