chlorophenols.

010388

SAMPLE DATA PACKET

80596

80596

U.S. ENVIRONMENTAL PROTECTION AGENCY
CLP Sample Management Office
P.O. Box 818 - Alexandria, Virginia 22313
Phone: 703/557-2490 - FTS/557-2490

SAS Number
2493-F

SPECIAL ANALYTICAL SERVICE

PACKING LIST

Sampling Office:	Sampling Date(s):	Ship To:	For Lab Use Only
Region 6	10-2-86	ENVIRODYNE ENGINEERS	
Sampling Contact:	Date Shipped:	12161 LACKLAND RD	Date Samples Rec'd:
Dave Anderson (name)	10-2-86	ST LOUIS, MO 63146	10-3-86
(214) 742-6601 (phone)	Site Name/Code: [redacted]	Attn: DR. MARGARET C. WINTER	Received By:

Sample Numbers	Sample Description i.e., Analysis, Matrix, Concentration			Sample Condition on Receipt at Lab
1. 2493F 01	Low dust wipe	TCDD	Sta 01	Good
2. 2493F 02	Low dust wipe	TCDD	Sta 02	
3. 2493F03	Low dust wipe	TCDD	Sta 03	
4. 2493F04	Low dust wipe	TCDD	Sta 04	
5. 2493F05	Low dust wipe	TCDD	MS D	
6. 2493F06	Low dust wipe	TCDD	MS D	
7. 2493F07	Low dust wipe	TCDD	MS DD	
8. 2493F08	Low dust wipe	chlorinated phenols	Sta 01	
9. 2493F09	Low dust wipe	chlorinated phenols	Sta 02	
10. 2493F10	Low dust wipe	chlorinated phenols	Sta 03	
11. 2493F11	Low dust wipe	chlorinated phenols	Sta 04	
12. 2493F12	Low dust wipe	chlorinated phenols	Sta MS/MSP	
13. 2493F13	Low dust wipe	chlorinated phenols	MS P	
14. 2493F14	Low dust wipe	chlorinated phenols	MSD P	
15.				
16.				
17.				
18.				
19.				
20.				

For Lab Use Only

010359

White - SMO Copy, Yellow - Region Copy, Pink - Lab Copy for return to SMO, Gold - Lab Copy

Sample Number
2493-F8

Organics Analysis Data Sheet
(Page 1)

Laboratory Name: ENVIRODYNE ENGRS Case No: 3101-2493F

Lab Sample ID No: 8600239 QC Report No:

Sample Matrix: WIPES Contract No: SAS 3101-2493F

Data Release Authorized By: Margaret C. Wrucke Date Sample Received: 10-6-86

Volatile Compounds

Concentration: (Low) Medium (Circle One)

Date Extracted/Prepared: ____

Date Analyzed: ____

Conc/Dil Factor: ____ pH ____

Percent Moisture: (Not Decanted) ____

CAS Number		ug/l or ug/Kg (Circle One)
74-87-3	Chloromethane	
74-83-9	Bromomethane	
75-01-4	Vinyl Chloride	
75-00-3	Chloroethane	
75-09-2	Methylene Chloride	
67-64-1	Acetone	
75-15-0	Carbon Disulfide	
75-35-4	1, 1-Dichloroethene	
75-34-3	1, 1-Dichloroethane	
156-60-5	Trans-1, 2-Dichloroethene	
67-66-3	Chloroform	
107-06-2	1, 2-Dichloroethane	
78-93-3	2-Butanone	
71-55-6	1, 1, 1-Trichloroethane	
56-23-5	Carbon Tetrachloride	
108-05-4	Vinyl Acetate	
75-27-4	Bromodichloromethane	

CAS Number		ug/l or ug/Kg (Circle One)
78-87-5	1, 2-Dichloropropane	
10061-02-6	Trans-1, 3-Dichloropropene	
79-01-6	Trichloroethene	
124-48-1	Dibromochloromethane	
79-00-5	1, 1, 2-Trichloroethane	
71-43-2	Benzene	
10061-01-5	cis-1, 3-Dichloropropene	
110-75-8	2-Chloroethylvinylether	
75-25-2	Bromoform	
108-10-1	4-Methyl-2-Pentanone	
591-78-6	2-Hexanone	
127-18-4	Tetrachloroethene	
79-34-5	1, 1, 2, 2-Tetrachloroethane	
108-88-3	Toluene	
108-90-7	Chlorobenzene	
100-41-4	Ethylbenzene	
100-42-5	Styrene	
	Total Xylenes	

0103C

Data Reporting Qualifiers

For reporting results to EPA, the following results qualifiers are used. Additional flags or footnotes explaining results are encouraged. However, the definition of each flag must be explicit.

Value If the result is a value greater than or equal to the detection limit, report the value

U Indicates compound was analyzed for but not detected. Report the minimum detection limit for the sample with the U (e.g., 10U) based on necessary concentration/dilution action. (This is not necessarily the instrument detection limit.) The footnote should read: U- Compound was analyzed for but not detected. The number is the minimum attainable detection limit for the sample

J Indicates an estimated value. This flag is used either when estimating a concentration for tentatively identified compounds where a 1:1 response is assumed or when the mass spectral data indicated the presence of a compound that meets the identification criteria but the result is less than the specified detection limit but greater than zero. (e.g., 10J). If limit of detection is 10 µg/l and a concentration of 3 µg/l is calculated, report as 3J.

C This flag applies to pesticide parameters where the identification has been confirmed by GC/MS. Single component pesticides ≥10 ng/ul in the final extract should be confirmed by GC/MS.

B This flag is used when the analyte is found in the blank as well as a sample. It indicates possible/probable blank contamination and warns the data user to take appropriate action.

Other Other specific flags and footnotes may be required to properly define the results. If used, they must be fully described and such description attached to the data summary report.

Laboratory Name: ENVIRODYNE

Case No: 2493F

Sample Number: 2493F-08

Organics Analysis Data Sheet
(Page 2)

Semivolatile Compounds

Concentration: (Low) Medium (Circle One)

Date Extracted/Prepared: 10/6/86

Date Analyzed: 10/16/86

Conc/Dil Factor: 10

Percent Moisture (Decanted) _____

GPC Cleanup ☐Yes ☑No

Separatory Funnel Extraction ☐Yes

Continuous Liquid - Liquid Extraction ☐Yes

CAS Number		ug/wipe ~~ug/l or ug/Kg~~ (Circle One)
108-95-2	Phenol	
111-44-4	bis(-2-Chloroethyl)Ether	
95-57-8	2-Chlorophenol	1000
541-73-1	1, 3-Dichlorobenzene	
106-46-7	1, 4-Dichlorobenzene	
100-51-6	Benzyl Alcohol	
95-50-1	1, 2-Dichlorobenzene	
95-48-7	2-Methylphenol	
39638-32-9	bis(2-chloroisopropyl)Ether	
106-44-5	4-Methylpheno!	
621-64-7	N-Nitroso-Di-n-Propylamine	
67-72-1	Hexachloroethane	
98-95-3	Nitrobenzene	
78-59-1	Isophorone	
88-75-5	2-Nitrophenol	
105-67-9	2, 4-Dimethylphenol	
65-85-0	Benzoic Acid	
111-91-1	bis(-2-Chloroethoxyl)Methane	
120-83-2	2, 4-Dichlorophenol	1000
120-82-1	1, 2, 4-Trichlorobenzene	
91-20-3	Naphthalene	—
106-47-8	4-Chloroaniline	
87-68-3	Hexachlorobutadiene	
59-50-7	4-Chloro-3-Methylphenol	1000
91-57-6	2-Methylnaphthalene	
77-47-4	Hexachlorocyclopentadiene	
88-06-2	2, 4, 6-Trichlorophenol	1000
95-95-4	2, 4, 5-Trichlorophenol	5000
91-58-7	2-Chloronaphthalene	
88-74-4	2-Nitroaniline	
131-11-3	Dimethyl Phthalate	
208-96-8	Acenaphthylene	
99-09-2	3-Nitroaniline	

CAS Number		ug/wipe ~~ug/l or ug/Kg~~ (Circle One)
83-32-9	Acenaphthene	
51-28-5	2, 4-Dinitrophenol	
100-02-7	4-Nitrophenol	
132-64-9	Dibenzofuran	
121-14-2	2, 4-Dinitrotoluene	
606-20-2	2, 6-Dinitrotoluene	
84-66-2	Diethylphthalate	
7005-72-3	4-Chlorophenyl-phenylether	
86-73-7	Fluorene	
100-01-6	4-Nitroaniline	
534-52-1	4, 6-Dinitro-2-Methylphenol	
86-30-6	N-Nitrosodiphenylamine (1)	
101-55-3	4-Bromophenyl-phenylether	
118-74-1	Hexachlorobenzene	
87-86-5	Pentachlorophenol	5000
85-01-8	Phenanthrene	
120-12-7	Anthracene	
84-74-2	Di-n-Butylphthalate	
206-44-0	Fluoranthene	
129-00-0	Pyrene	
85-68-7	Butylbenzylphthalate	
91-94-1	3, 3'-Dichlorobenzidine	
56-55-3	Benzo(a)Anthracene	
117-81-7	bis(2-Ethylhexyl)Phthalate	
218-01-9	Chrysene	
117-84-0	Di-n-Octyl Phthalate	
205-99-2	Benzo(b)Fluoranthene	
207-08-9	Benzo(k)Fluoranthene	
50-32-8	Benzo(a)Pyrene	
193-39-5	Indeno(1, 2, 3-cd)Pyrene	
53-70-3	Dibenz(a, h)Anthracene	
191-24-2	Benzo(g, h, i)Perylene	

(1)-Cannot be separated from diphenylamine

0103

Laboratory Name: ENVIRODYNE

Case No: 2493F

Sample Number: 2493F-08

Organics Analysis Data Sheet
(Page 4)

Tentatively Identified Compounds

	CAS Number	Compound Name	Fraction	RT or Scan Number	Estimated Concentration (ug/l or ug/kg)
1.		no Chlorophenols found			
2.					
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					
11.					
12.					
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17.					
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22.					
23.					
24.					
25.					
26.					
27.					
28.					
29.					
30.					

010332

QUANT REPORT

Operator ID: USER8 Quant Rev: 4 Quant Time: 861020 12:34
Output File: ^A5257::L2 Injected at: 861016 05:02
Data File: >A5257::E2 Dilution Factor: ~~1.000~~ 10 mcw 10-21-86
Name: 2493F-08
Misc: LMC 5996 86002739 3101-2493F BTL#24

ID File: #A5248::D3
Title: ID FILE FOR SAS 3101-2493F
Last Calibration: 861020 11:54

	Compound	R.T.	Scan#	Area	Conc	Units	q
1)	*D4 1,4-DICHLOROBENZENE	8.18	490	143960	40.00	UG/WIPE	94
2)	2-FLUOROPHENOL (SURROGATE)	5.33	213	20634	~~9.91 UG/WIPE~~		100
4)	*D8 NAPHTHALENE	11.83	845	347300	40.00	UG/WIPE	100
7)	*D10 ACENAPHTHENE	17.25	1370	183112	40.00	UG/WIPE	100
8)	2,4,6-TRIBROMOPHENOL (SURR)	19.72	1609	14202	~~16.74 UG/WIPE~~		100
11)	*D10 PHENANTHRENE	21.70	1800	459705	40.00	UG/WIPE	100

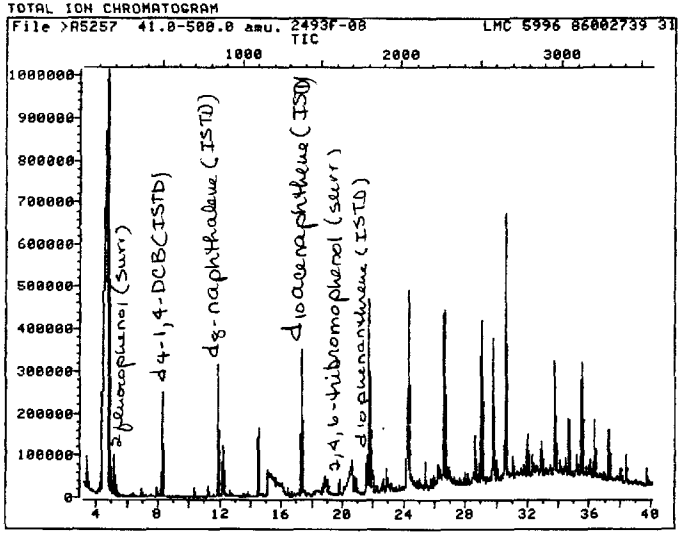
99.1 mcw 10-21-86

167.4 mcw 10-21-86

* Compound is ISTD

010355

TOTAL ION CHROMATOGRAM

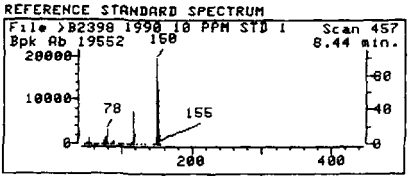


Data File: >A5257::E2
Name: 2493F-08
Misc: LMC 5996 86002739 3101-2493F BTL#24

Id File: #A5248::D3
Title: ID FILE FOR SAS 3101-2493F
Last Calibration: 861020 11:54

Operator ID: USER8
Quant Time: 861020 12:34
Injected at: 861016 05:02

REFERENCE STANDARD SPECTRUM



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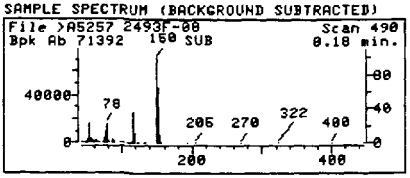

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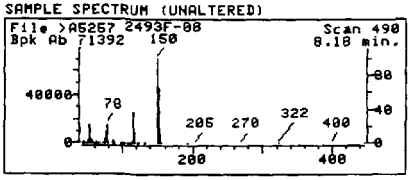
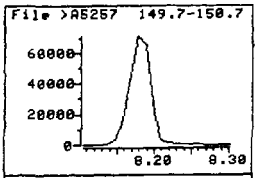
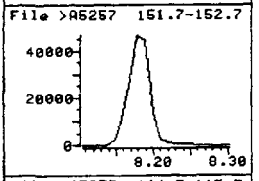
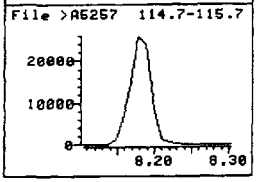






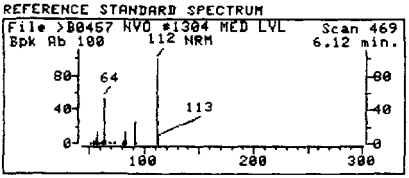


Data File: >A5257::E2
Name: 2493F-08
Misc: LMC 5996 86002739 3101-2493F BTL424
Quant Time: 861020 12:34
Injected at: 861016 05:02

Compound No: 1 (ISTD)
Compound Name: D4 1,4-DICHLOROBENZENE
Scan Number: 490
Retention Time: 8.18 min.
Area: 143960
Concentration: 40.00 UG/WIPE
q-value: 94

0103335

REFERENCE STANDARD SPECTRUM



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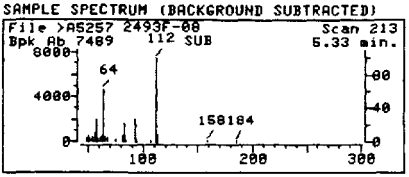

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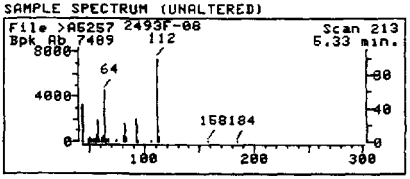
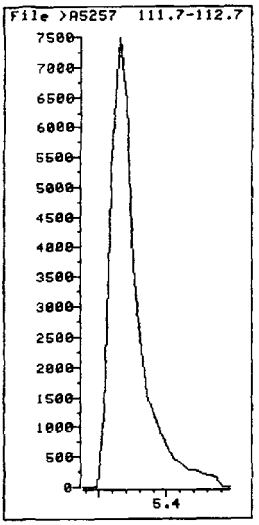


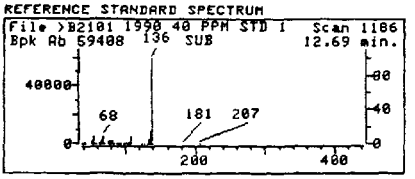


Data File: >A5257::E2
Name: 2493F-08
Misc: LMC 5996 86002739 3101-2493F BTL#24
Quant Time: 861020 12:34
Injected at: 861016 05:02

Compound No: 2
Compound Name: 2-FLUOROPHENOL (SURROGATE)
Scan Number: 213
Retention Time: 5.33 min.
Area: 20634
Concentration: ~~9.5~~ UG/WIPE 99.1 mcw 10/21/86
q-value: 100

01.0326

REFERENCE STANDARD SPECTRUM



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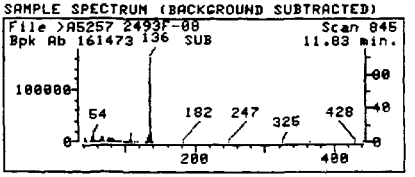

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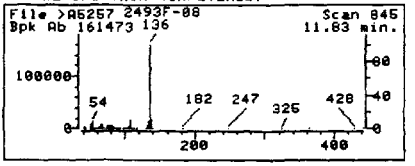
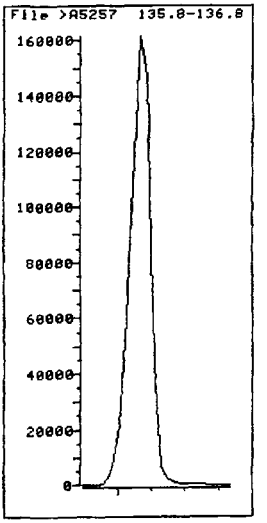
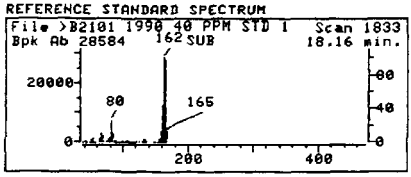




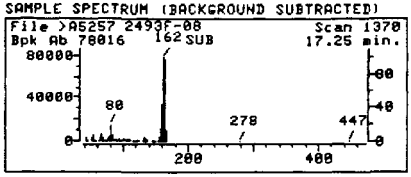
Data File: >A5257::E2
Name: 2493F-08
Misc: LMC 5996 86002739 3101-2493F BTL424
Quant Time: 861020 12:34
Injected at: 861016 05:02

Compound No: 4 (ISTD)
Compound Name: D8 NAPHTHALENE
Scan Number: 845
Retention Time: 11.83 min.
Area: 347300
Concentration: 40.00 UG/WIPE
q-value: 100

REFERENCE STANDARD SPECTRUM



SAMPLE SPECTRUM (BACKGROUND SUBTRACTED)



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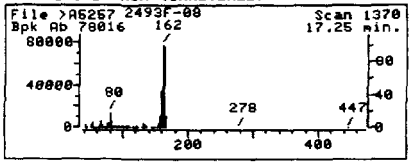
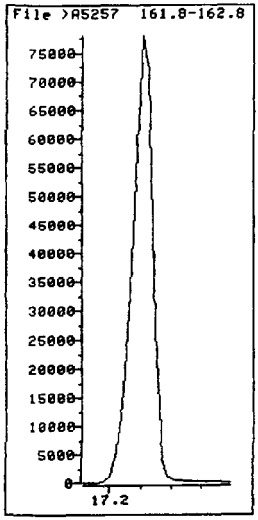
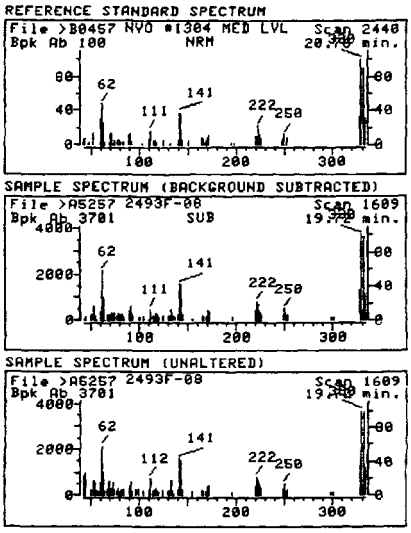


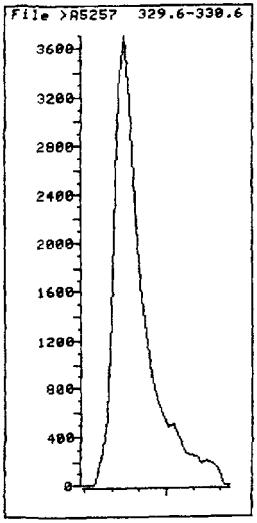


Data File: >A5257::E2
Name: 2493F-08
Misc: LHC 5996 86002739 3101-2493F BTL#24
Quant Time: 861020 12:34
Injected at: 861016 05:02

Compound No: 7 (ISTD)
Compound Name: D10 ACENAPHTHENE
Scan Number: 1370
Retention Time: 17.25 min.
Area: 183112
Concentration: 40.00 UG/WIPE
q-value: 100

010338





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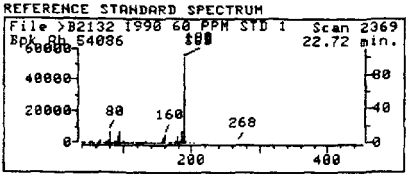
Name: 2493F-08
Misc: LMC 5996 86002739 3101-2493F BTL#24
Quant Time: 861020 12:34
Injected at: 861016 05:02

Compound No: 8
Compound Name: 2,4,6-TRIBROMOPHENOL (SURR)
Scan Number: 1609
Retention Time: 19.72 min.
Area: 14202
Concentration: ~~16.74 UG/WIPE~~ 167.4 µg/wipe mcw 10-31-86
q-value: 100

010389

REFERENCE STANDARD SPECTRUM



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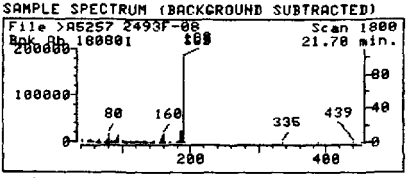
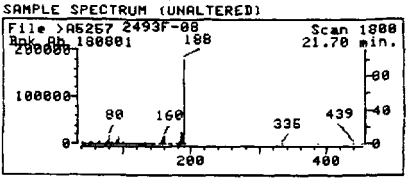
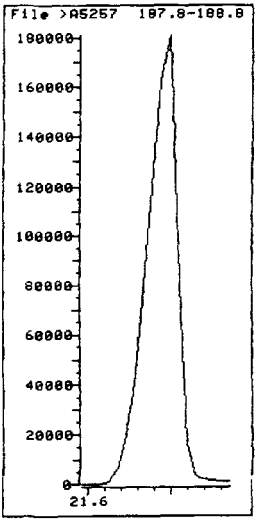


SAMPLE SPECTRUM (UNALTERED)





Data File: >A5257::E2
Name: 2493F-08
Misc: LHC 5996 86002739 3101-2493F BTL#24
Quant Time: 861020 12:34
Injected at: 861016 05:02

Compound No: 11 (ISTD)
Compound Name: D10 PHENANTHRENE
Scan Number: 1800
Retention Time: 21.70 min.
Area: 459705
Concentration: 40.00 UG/WIPE
q-value: 100

Sample Number
2493F #9

Organics Analysis Data Sheet
(Page 1)

Laboratory Name: ENVIRODYNE ENGRS. Case No: 3101-2493F

Lab Sample ID No: 8600 2740 QC Report No: _____

Sample Matrix: WIPE Contract No: SAS 3101-2493F

Data Release Authorized By: Margaret C. Wilder Date Sample Received: 10/6/86

Volatile Compounds

Concentration: (Low) Medium (Circle One)

Date Extracted/Prepared: _____

Date Analyzed: _____

Conc/Dil Factor: _____ pH _____

Percent Moisture: (Not Decanted) _____

CAS Number		ug/l or ug/Kg (Circle One)
74-87-3	Chloromethane	
74-83-9	Bromomethane	
75-01-4	Vinyl Chloride	
75-00-3	Chloroethane	
75-09-2	Methylene Chloride	
67-64-1	Acetone	
75-15-0	Carbon Disulfide	
75-35-4	1, 1-Dichloroethene	
75-34-3	1, 1-Dichloroethane	
156-60-5	Trans-1, 2-Dichloroethene	
67-66-3	Chloroform	
107-06-2	1, 2-Dichloroethane	
78-93-3	2-Butanone	
71-55-6	1, 1, 1-Trichloroethane	
56-23-5	Carbon Tetrachloride	
108-05-4	Vinyl Acetate	
75-27-4	Bromodichloromethane	

CAS Number		ug/l or ug/Kg (Circle One)
78-87-5	1, 2-Dichloropropane	
10061-02-6	Trans-1, 3-Dichloropropene	
79-01-6	Trichloroethene	
124-48-1	Dibromochloromethane	
79-00-5	1, 1, 2-Trichloroethane	
71-43-2	Benzene	
10061-01-5	cis-1, 3-Dichloropropene	
110-75-8	2-Chloroethylvinylether	
75-25-2	Bromoform	
108-10-1	4-Methyl-2-Pentanone	
591-78-6	2-Hexanone	
127-18-4	Tetrachloroethene	
79-34-5	1, 1, 2, 2-Tetrachloroethane	
108-88-3	Toluene	
108-90-7	Chlorobenzene	
100-41-4	Ethylbenzene	
100-42-5	Styrene	
	Total Xylenes	

0103

Data Reporting Qualifiers

For reporting results to EPA, the following results qualifiers are used. Additional flags or footnotes explaining results are encouraged. However, the definition of each flag must be explicit.

Value If the result is a value greater than or equal to the detection limit, report the value

U Indicates compound was analyzed for but not detected. Report the minimum detection limit for the sample with the U (e.g., 10U) based on necessary concentration/dilution action. (This is not necessarily the instrument detection limit.) The footnote should read: U-Compound was analyzed for but not detected. The number is the minimum attainable detection limit for the sample

J Indicates an estimated value. This flag is used either when estimating a concentration for tentatively identified compounds where a 1:1 response is assumed or when the mass spectral data indicated the presence of a compound that meets the identification criteria but the result is less than the specified detection limit but greater than zero. (e.g., 10J). If limit of detection is 10 µg/l and a concentration of 3 µg/l is calculated, report as 3J.

C This flag applies to pesticide parameters where the identification has been confirmed by GC/MS. Single component pesticides ≥10 ng/ul in the final extract should be confirmed by GC/MS.

B This flag is used when the analyte is found in the blank as well as a sample. It indicates possible/probable blank contamination and warns the data user to take appropriate action.

Other Other specific flags and footnotes may be required to properly define the results. If used, they must be fully described and such description attached to the data summary report.

Laboratory Name: ENSR RODYNE

Case No: 2493F

Sample Number: 2493F-09

Organics Analysis Data Sheet
(Page 2)

Semivolatile Compounds

Concentration: (Low) Medium (Circle One)

Date Extracted/Prepared: 10/6/86

Date Analyzed: 10-16-86

Conc/Dil Factor: 1

Percent Moisture (Decanted) _____

GPC Cleanup ☐Yes ☑No

Separatory Funnel Extraction ☐Yes

Continuous Liquid - Liquid Extraction ☐Yes

CAS Number		ug/wipe ~~ug/L or ug/Kg~~ (Circle One)
108-95-2	Phenol	
111-44-4	bis(-2-Chloroethyl)Ether	
95-57-8	2-Chlorophenol	10U
541-73-1	1, 3-Dichlorobenzene	
106-46-7	1, 4-Dichlorobenzene	
100-51-6	Benzyl Alcohol	
95-50-1	1, 2-Dichlorobenzene	
95-48-7	2-Methylphenol	
39638-32-9	bis(2-chloroisopropyl)Ether	
106-44-5	4-Methylphenol	
621-64-7	N-Nitroso-Di-n-Propylamine	
67-72-1	Hexachloroethane	
98-95-3	Nitrobenzene	
78-59-1	Isophorone	
88-75-5	2-Nitrophenol	
105-67-9	2, 4-Dimethylphenol	
65-85-0	Benzoic Acid	
111-91-1	bis(-2-Chloroethoxy)Methane	
120-83-2	2, 4-Dichlorophenol	10U
120-82-1	1, 2, 4-Trichlorobenzene	
91-20-3	Naphthalene	
106-47-8	4-Chloroaniline	
87-68-3	Hexachlorobutadiene	
59-50-7	4-Chloro-3-Methylphenol	10U
91-57-6	2-Methylnaphthalene	
77-47-4	Hexachlorocyclopentadiene	
88-06-2	2, 4, 6-Trichlorophenol	10U
95-95-4	2, 4, 5-Trichlorophenol	50U
91-58-7	2-Chloronaphthalene	
88-74-4	2-Nitroaniline	
131-11-3	Dimethyl Phthalate	
208-96-8	Acenaphthylene	
99-09-2	3-Nitroaniline	

CAS Number		ug/wipe ~~ug/L or ug/Kg~~ (Circle One)
83-32-9	Acenaphthene	
51-28-5	2, 4-Dinitrophenol	
100-02-7	4-Nitrophenol	
132-64-9	Dibenzofuran	
121-14-2	2, 4-Dinitrotoluene	
606-20-2	2, 6-Dinitrotoluene	
84-66-2	Diethylphthalate	
7005-72-3	4-Chlorophenyl-phenylether	
86-73-7	Fluorene	
100-01-6	4-Nitroaniline	
534-52-1	4, 6-Dinitro-2-Methylphenol	
86-30-6	N-Nitrosodiphenylamine (1)	
101-55-3	4-Bromophenyl-phenylether	
118-74-1	Hexachlorobenzene	
87-86-5	Pentachlorophenol	50U
85-01-8	Phenanthrene	
120-12-7	Anthracene	
84-74-2	Di-n-Butylphthalate	
206-44-0	Fluoranthene	
129-00-0	Pyrene	
85-68-7	Butylbenzylphthalate	
91-94-1	3, 3'-Dichlorobenzidine	
56-55-3	Benzo(a)Anthracene	
117-81-7	bis(2-Ethylhexyl)Phthalate	
218-01-9	Chrysene	
117-84-0	Di-n-Octyl Phthalate	
205-99-2	Benzo(b)Fluoranthene	
207-08-9	Benzo(k)Fluoranthene	
50-32-8	Benzo(a)Pyrene	
193-39-5	Indeno(1, 2, 3-cd)Pyrene	
53-70-3	Dibenz(a, h)Anthracene	
191-24-2	Benzo(g, h, i)Perylene	

(1)-Cannot be separated from diphenylamine

0103T2

Laboratory Name: ENVIRODYNE

Case No: 2493F

Sample Number: 2493F-09

Organics Analysis Data Sheet
(Page 4)

Tentatively Identified Compounds

	CAS Number	Compound Name	Fraction	RT or Scan Number	Estimated Concentration (ug/l or ug/kg)
1.		No Chloro phenols found			
2.					
3.					
4.					
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.					

0103/3

QUANT REPORT

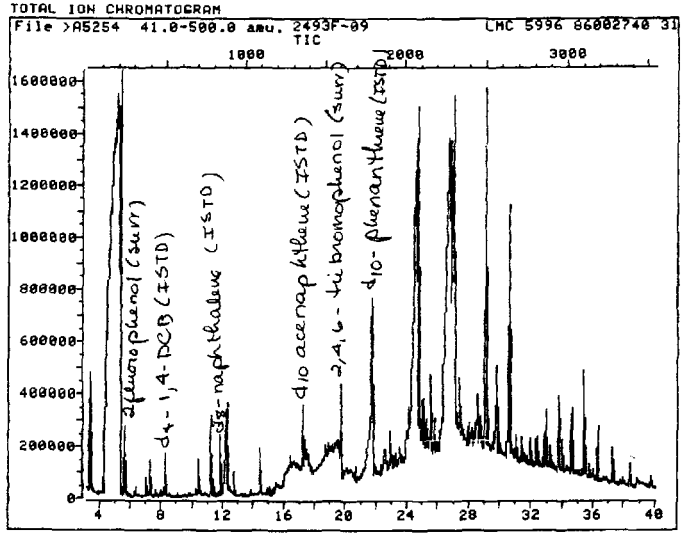
Operator ID: USER8 Quant Rev: 4 Quant Time: 861020 12:30
Output File: ^A5254::L2 Injected at: 861016 02:40
Data File: >A5254::E2 Dilution Factor: 1.000
Name: 2493F-09
Misc: LMC 5996 86002740 3101-2493F BTL#21

ID File: #A5248::D3
Title: ID FILE FOR SAS 3101-2493F
Last Calibration: 861020 11:54

	Compound	R.T.	Scan#	Area	Conc	Units	q
1)	*D4 1,4-DICHLOROBENZENE	8.17	491	109098	40.00	UG/WIPE	95
2)	2-FLUOROPHENOL (SURROGATE)	5.59	241	135952	86.13	UG/WIPE	100
4)	*D8 NAPHTHALENE	11.81	844	246434	40.00	UG/WIPE	100
7)	*D10 ACENAPHTHENE	17.20	1365	129711	40.00	UG/WIPE	100
8)	2,4,6-TRIBROMOPHENOL (SURR)	19.70	1606	119123	198.19	UG/WIPE	100
11)	*D10 PHENANTHRENE	21.65	1793	389674	40.00	UG/WIPE	100

* Compound is ISTD

TOTAL ION CHROMATOGRAM

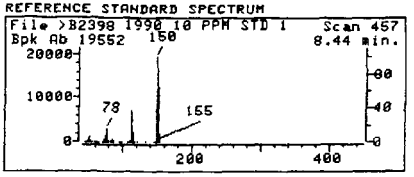


Data File: >A5254::E2
Name: 2493F-09
Misc: LMC 5996 86002740 3101-2493F BTL#21

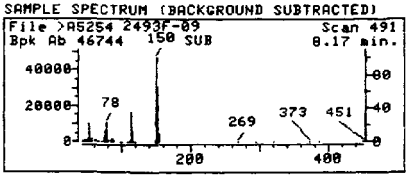
Id File: #A5248::D3
Title: ID FILE FOR SAS 3101-2493F
Last Calibration: 861020 11:54

Operator ID: USER8
Quant Time: 861020 12:30
Injected at: 861016 02:40

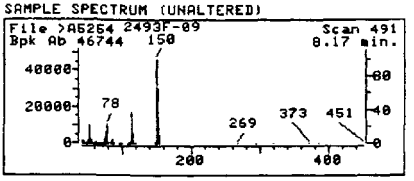
REFERENCE STANDARD SPECTRUM

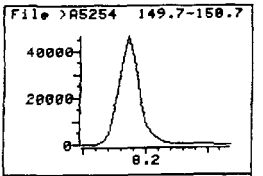


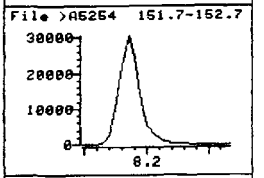
SAMPLE SPECTRUM (BACKGROUND SUBTRACTED)

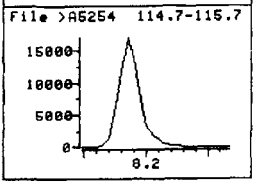


SAMPLE SPECTRUM (UNALTERED)







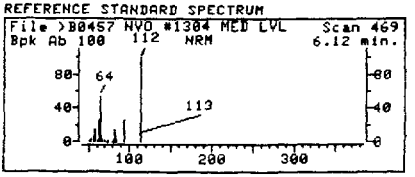


Data File: >A5254::E2
Name: 2493F-09
Misc: LMC 5996 86002740 3101-2493F BTL421
Quant Time: 861020 12:30
Injected at: 861016 02:40

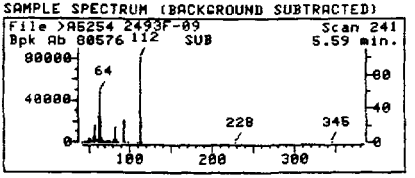
Compound No: 1 (ISTD)
Compound Name: D4 1,4-DICHLOROBENZENE
Scan Number: 491
Retention Time: 8.17 min.
Area: 109098
Concentration: 40.00 UG/WIPE
q-value: 95

0103'6

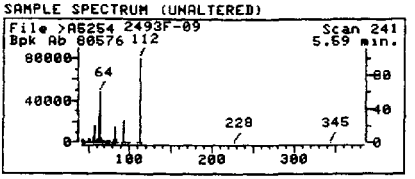
REFERENCE STANDARD SPECTRUM

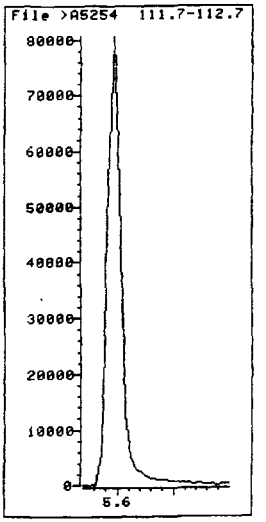


SAMPLE SPECTRUM (BACKGROUND SUBTRACTED)



SAMPLE SPECTRUM (UNALTERED)



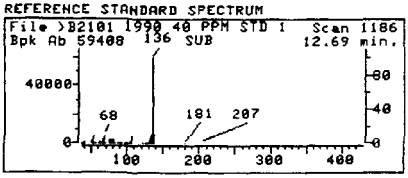


Data File: >A5254::E2
Name: 2493F-09
Misc: LMC 5996 86002740 3101-2493F BTL421
Quant Time: 861020 12:30
Injected at: 861016 02:40

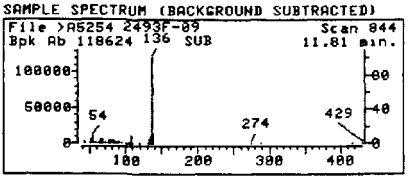
Compound No: 2
Compound Name: 2-FLUOROPHENOL (SURROGATE)
Scan Number: 241
Retention Time: 5.59 min.
Area: 135952
Concentration: 86.13 UG/WIPE
q-value: 100

010317

REFERENCE STANDARD SPECTRUM



SAMPLE SPECTRUM (BACKGROUND SUBTRACTED)



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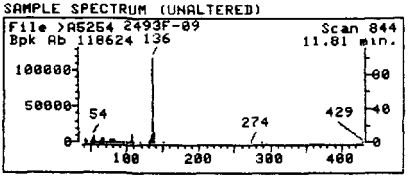
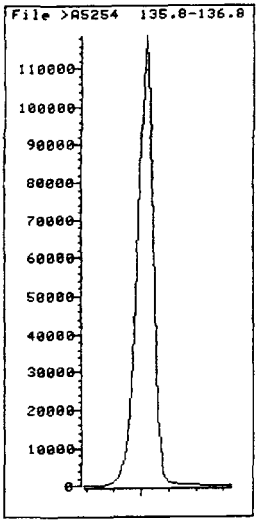


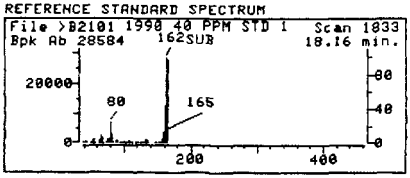


Data File: >A5254::E2
Name: 2493F-09
Misc: LMC 5996 86002740 3101-2493F BTL#21
Quant Time: 861020 12:30
Injected at: 861016 02:40

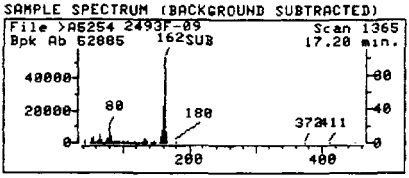
Compound No: 4 (ISTD)
Compound Name: D8 NAPHTHALENE
Scan Number: 844
Retention Time: 11.81 min.
Area: 246434
Concentration: 40.00 UG/WIPE
q-value: 100

010278

REFERENCE STANDARD SPECTRUM



SAMPLE SPECTRUM (BACKGROUND SUBTRACTED)



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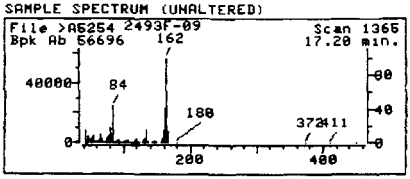
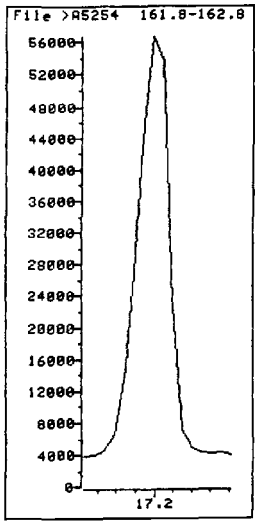
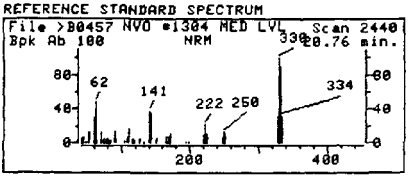




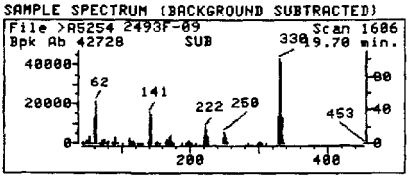
Data File: >A5254::E2
Name: 2493F-09
Misc: LMC 5996 B6002740 3101-2493F BTL#21
Quant Time: 861020 12:30
Injected at: 861016 02:40

Compound No: 7 (ISTD)
Compound Name: D10 ACENAPHTHENE
Scan Number: 1365
Retention Time: 17.20 min.
Area: 129711
Concentration: 40.00 UG/WIPE
q-value: 100

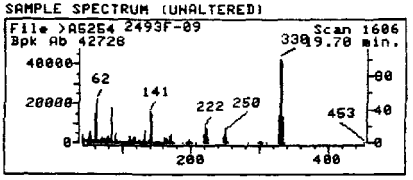
REFERENCE STANDARD SPECTRUM

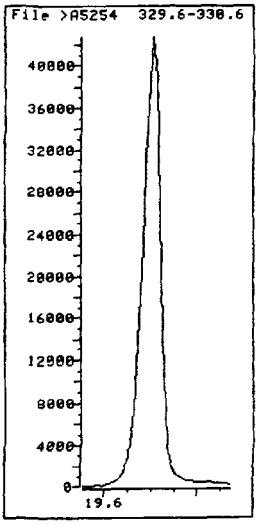


SAMPLE SPECTRUM (BACKGROUND SUBTRACTED)



SAMPLE SPECTRUM (UNALTERED)



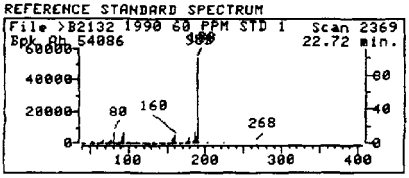


Data File: >A5254::E2
Name: 2493F-09
Misc: LWC 5996 86002740 3101-2493F BTL#21
Quant Time: 861020 12:30
Injected at: 861016 02:40

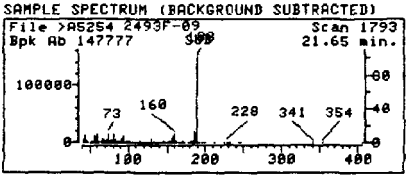
Compound No: 8
Compound Name: 2,4,6-TRIBROMOPHENOL (SURR)
Scan Number: 1606
Retention Time: 19.70 min.
Area: 119123
Concentration: 198.19 UG/WIPE
q-value: 100

010300

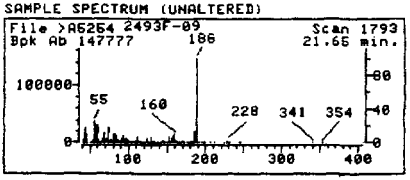
REFERENCE STANDARD SPECTRUM

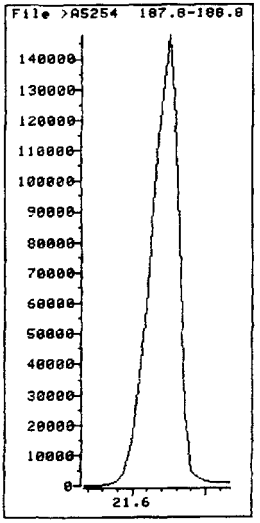


SAMPLE SPECTRUM (BACKGROUND SUBTRACTED)



SAMPLE SPECTRUM (UNALTERED)





Data File: >A5254::E2
Name: 2493F-09
Misc: LMC 5996 86002740 3101-2493F BTL#21
Quant Time: 861020 12:30
Injected at: 861016 02:40

Compound No: 11 (ISTD)
Compound Name: D10 PHENANTHRENE
Scan Number: 1793
Retention Time: 21.65 min.
Area: 389674
Concentration: 40.00 UG/WIPE
q-value: 100

T2010

Sample Number
2493F #0

Organics Analysis Data Sheet
(Page 1)

Laboratory Name: ENVIRODYNE ENGRS Case No: 3101-2493F
Lab Sample ID No: 8600274A QC Report No:
Sample Matrix: WIPES Contract No: SAS 3101-2493F
Data Release Authorized By: Margaret C. Wuiter Date Sample Received: 10/6/86

Volatile Compounds

Concentration: (Low) Medium (Circle One)
Date Extracted/Prepared: _____
Date Analyzed: _____
Conc/Dil Factor: _____ pH _____
Percent Moisture: (Not Decanted) _____

CAS Number		ug/l or ug/Kg (Circle One)
74-87-3	Chloromethane	
74-83-9	Bromomethane	
75-01-4	Vinyl Chloride	
75-00-3	Chloroethane	
75-09-2	Methylene Chloride	
67-64-1	Acetone	
75-15-0	Carbon Disulfide	
75-35-4	1, 1-Dichloroethene	
75-34-3	1, 1-Dichloroethane	
156-60-5	Trans-1, 2-Dichloroethene	
67-66-3	Chloroform	
107-06-2	1, 2-Dichloroethane	
78-93-3	2-Butanone	
71-55-6	1, 1, 1-Trichloroethane	
56-23-5	Carbon Tetrachloride	
108-05-4	Vinyl Acetate	
75-27-4	Bromodichloromethane	

CAS Number		ug/l or ug/Kg (Circle One)
78-87-5	1, 2-Dichloropropane	
10061-02-6	Trans-1, 3-Dichloropropene	
79-01-6	Trichloroethene	
124-48-1	Dibromochloromethane	
79-00-5	1, 1, 2-Trichloroethane	
71-43-2	Benzene	
10061-01-5	cis-1, 3-Dichloropropene	
110-75-8	2-Chloroethylvinylether	
75-25-2	Bromoform	
108-10-1	4-Methyl-2-Pentanone	
591-78-6	2-Hexanone	
127-18-4	Tetrachloroethene	
79-34-5	1, 1, 2, 2-Tetrachloroethane	
108-88-3	Toluene	
108-90-7	Chlorobenzene	
100-41-4	Ethylbenzene	
100-42-5	Styrene	
	Total Xylenes	

010332

Data Reporting Qualifiers

For reporting results to EPA, the following results qualifiers are used. Additional flags or footnotes explaining results are encouraged. However, the definition of each flag must be explicit.

Value If the result is a value greater than or equal to the detection limit, report the value.

U Indicates compound was analyzed for but not detected. Report the minimum detection limit for the sample with the U (e.g., 10U) based on necessary concentration/dilution action. (This is not necessarily the instrument detection limit.) The footnote should read: U-Compound was analyzed for but not detected. The number is the minimum attainable detection limit for the sample

J Indicates an estimated value. This flag is used either when estimating a concentration for tentatively identified compounds where a 1:1 response is assumed or when the mass spectral data indicated the presence of a compound that meets the identification criteria but the result is less than the specified detection limit but greater than zero. (e.g., 10J). If limit of detection is 10 µg/l and a concentration of 3 µg/l is calculated, report as 3J.

C This flag applies to pesticide parameters where the identification has been confirmed by GC/MS. Single component pesticides ≥10 ng/ul in the final extract should be confirmed by GC/MS.

B This flag is used when the analyte is found in the blank as well as a sample. It indicates possible/probable blank contamination and warns the data user to take appropriate action.

Other Other specific flags and footnotes may be required to properly define the results. If used, they must be fully described and such description attached to the data summary report.

Laboratory Name: ENVIRODYNE

Case No: 2499-I

Sample Number: 2493F-10

Organics Analysis Data Sheet
(Page 2)

Semivolatile Compounds

Concentration: (Low) Medium (Circle One)

Date Extracted/Prepared: 10/6/86

Date Analyzed: 10/16/86

Conc/Dil Factor: 1

Percent Moisture (Decanted) _____

GPC Cleanup ☐Yes ☒No

Separatory Funnel Extraction ☐Yes

Continuous Liquid - Liquid Extraction ☐Yes

CAS Number		ug/wipe ~~ug/l or ug/Kg~~ (Circle One)
108-95-2	Phenol	
111-44-4	bis(-2-Chloroethyl)Ether	
95-57-8	2-Chlorophenol	10 U
541-73-1	1, 3-Dichlorobenzene	
106-46-7	1, 4-Dichlorobenzene	
100-51-6	Benzyl Alcohol	
95-50-1	1, 2-Dichlorobenzene	
95-48-7	2-Methylphenol	
39638-32-9	bis(2-chloroisopropyl)Ether	
106-44-5	4-Methylphenol	
621-64-7	N-Nitroso-Di-n-Propylamine	
67-72-1	Hexachloroethane	
98-95-3	Nitrobenzene	
78-59-1	Isophorone	
88-75-5	2-Nitrophenol	
105-67-9	2, 4-Dimethylphenol	
65-85-0	Benzoic Acid	
111-91-1	bis(-2-Chloroethoxy)Methane	
120-83-2	2, 4-Dichlorophenol	10 U
120-82-1	1, 2, 4-Trichlorobenzene	
91-20-3	Naphthalene	
106-47-8	4-Chloroaniline	
87-68-3	Hexachlorobutadiene	
59-50-7	4-Chloro-3-Methylphenol	10 U
91-57-6	2-Methylnaphthalene	
77-47-4	Hexachlorocyclopentadiene	
88-06-2	2, 4, 6-Trichlorophenol	10 U
95-95-4	2, 4, 5-Trichlorophenol	0.7 J
91-58-7	2-Chloronaphthalene	
88-74-4	2-Nitroaniline	
131-11-3	Dimethyl Phthalate	
208-96-8	Acenaphthylene	
99-09-2	3-Nitroaniline	

CAS Number		ug/wipe ~~ug/l or ug/Kg~~ (Circle One)
83-32-9	Acenaphthene	
51-28-5	2, 4-Dinitrophenol	
100-02-7	4-Nitrophenol	
132-64-9	Dibenzofuran	
121-14-2	2, 4-Dinitrotoluene	
606-20-2	2, 6-Dinitrotoluene	
84-66-2	Diethylphthalate	
7005-72-3	4-Chlorophenyl-phenylether	
86-73-7	Fluorene	
100-01-6	4-Nitroaniline	
534-52-1	4, 6-Dinitro-2-Methylphenol	
86-30-6	N-Nitrosodiphenylamine (1)	
101-55-3	4-Bromophenyl-phenylether	
118-74-1	Hexachlorobenzene	
87-86-5	Pentachlorophenol	~~10 U~~
85-01-8	Phenanthrene	
120-12-7	Anthracene	
84-74-2	Di-n-Butylphthalate	
206-44-0	Fluoranthene	
129-00-0	Pyrene	
85-68-7	Butylbenzylphthalate	
91-94-1	3, 3'-Dichlorobenzidine	
56-55-3	Benzo(a)Anthracene	
117-81-7	bis(2-Ethylhexyl)Phthalate	
218-01-9	Chrysene	
117-84-0	Di-n-Octyl Phthalate	
205-99-2	Benzo(b)Fluoranthene	
207-08-9	Benzo(k)Fluoranthene	
50-32-8	Benzo(a)Pyrene	
193-39-5	Indeno(1, 2, 3-cd)Pyrene	
53-70-3	Dibenz(a, h)Anthracene	
191-24-2	Benzo(g, h, i)Perylene	

(1)-Cannot be separated from diphenylamine

010333

Laboratory Name: ENV'20DYNE

Case No: 24931

Sample Number: 2493F-10

Organics Analysis Data Sheet
(Page 4)

Tentatively Identified Compounds

	CAS Number	Compound Name	Fraction	RT or Scan Number	Estimated Concentration (ug/l or ug/kg)
1.		No chlorophenols found			
2.					
3.					
4.					
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.					

010224

QUANT REPORT

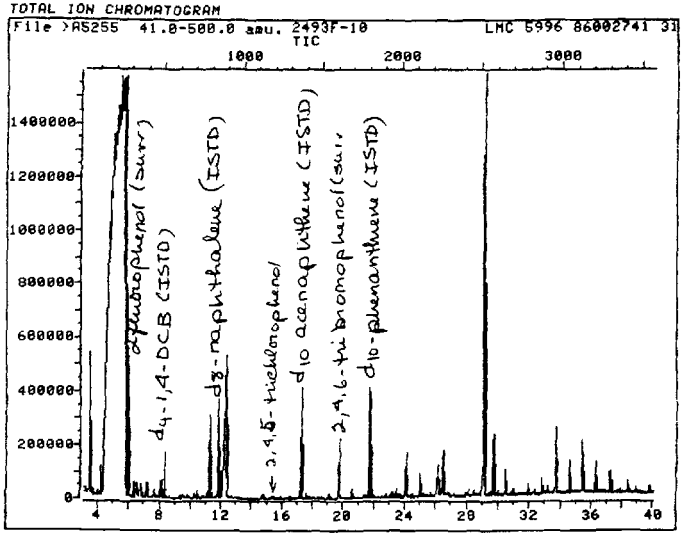
Operator ID: USER8 Quant Rev: 4 Quant Time: 861020 12:31
Output File: ^A5255::L2 Injected at: 861016 03:28
Data File: >A5255::E2 Dilution Factor: 1.000
Name: 2493F-10
Misc: LMC 5996 86002741 3101-2493F BTL#22

ID File: $A5248::D3
Title: ID FILE FOR SAS 3101-2493F
Last Calibration: 861020 11:54

	Compound	R.T.	Scan#	Area	Conc	Units	q
1)	*D4 1,4-DICHLOROBENZENE	8.22	499	198255	40.00	UG/WIPE	93
2)	2-FLUOROPHENOL (SURROGATE)	5.92	276	211494	73.74	UG/WIPE	100
4)	*D8 NAPHTHALENE	11.81	848	468655	40.00	UG/WIPE	100
7)	*D10 ACENAPHTHENE	17.21	1370	231353	40.00	UG/WIPE	100
8)	2,4,6-TRIBROMOPHENOL (SURR)	19.68	1610	93979	87.66	UG/WIPE	100
10)	2,4,5-Trichlorophenol	15.28	1183	2082M	.68	UG/WIPE	63
11)	*D10 PHENANTHRENE	21.64	1800	425434	40.00	UG/WIPE	100

* Compound is ISTD

TOTAL ION CHROMATOGRAM



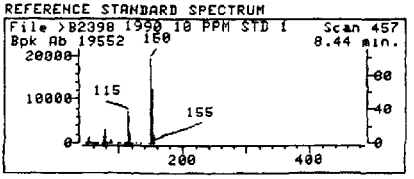
Data File: >A5255::E2
Name: 2493F-10
Misc: LMC 5996 86002741 3101-2493F BTL022

Id File: @A5248::D3
Title: ID FILE FOR SAS 3101-2493F
Last Calibration: 861020 11:54

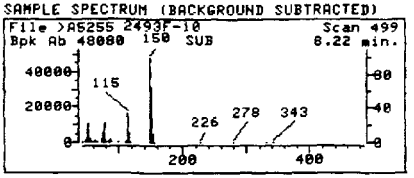
Operator ID: USER0
Quant Time: 861020 12:31
Injected at: 861016 03:28

010236

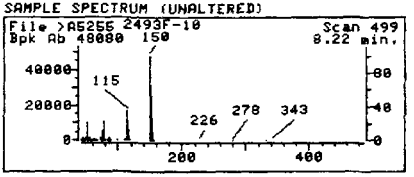
REFERENCE STANDARD SPECTRUM

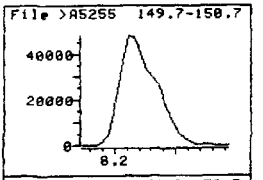


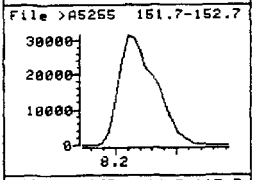
SAMPLE SPECTRUM (BACKGROUND SUBTRACTED)

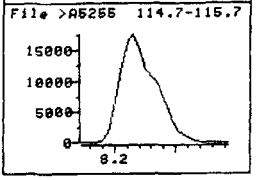


SAMPLE SPECTRUM (UNALTERED)







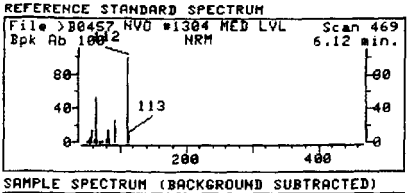


Data File: >A5255::E2
Name: 2493F-10
Misc: LMC 5996 86002741 3101-2493F BTL#22
Quant Time: 861020 12:31
Injected at: 861016 03:28

Compound No: 1 (ISTD)
Compound Name: D4 1,4-DICHLOROBENZENE
Scan Number: 499
Retention Time: 8.22 min.
Area: 198255
Concentration: 40.00 UG/WIPE
q-value: 93

040387

REFERENCE STANDARD SPECTRUM



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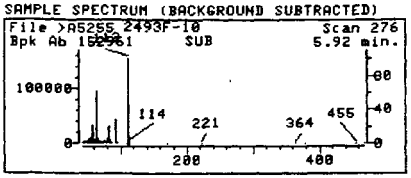

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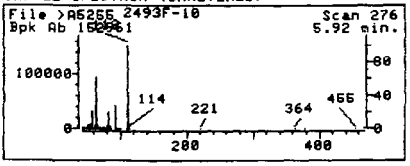
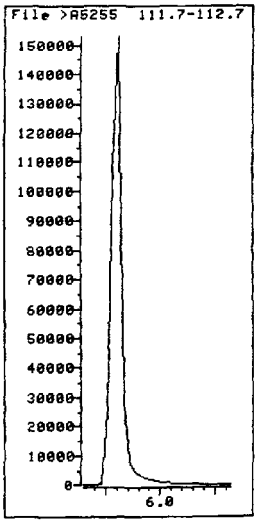


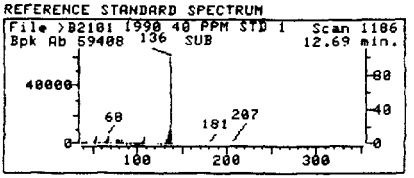


Data File: >A5255::E2
Name: 2493F-10
Misc: LMC 5996 86002741 3101-2493F BTL#22
Quant Time: 861020 12:31
Injected at: 861016 03:28

Compound No: 2
Compound Name: 2-FLUOROPHENOL (SURROGATE)
Scan Number: 276
Retention Time: 5.92 min.
Area: 211494
Concentration: 73.74 UG/WIPE
q-value: 100

010338

REFERENCE STANDARD SPECTRUM



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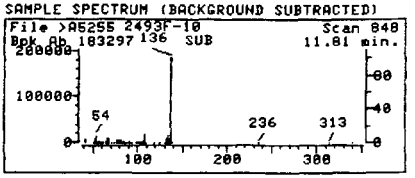

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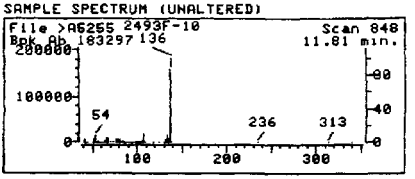
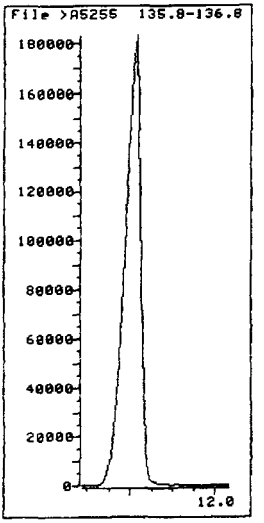
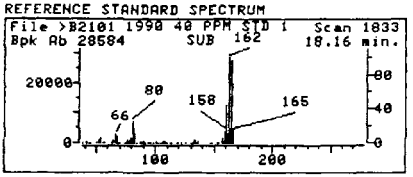




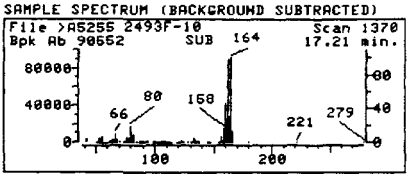
Data File: >A5255::E2
Name: 2493F-10
Misc: LMC 5996 86002741 3101-2493F BTL#22
Quant Time: 861020 12:31
Injected at: 861016 03:28

Compound No: 4 (ISTD)
Compound Name: D8 NAPHTHALENE
Scan Number: 848
Retention Time: 11.81 min.
Area: 468655
Concentration: 40.00 UG/WIPE
q-value: 100

REFERENCE STANDARD SPECTRUM



SAMPLE SPECTRUM (BACKGROUND SUBTRACTED)



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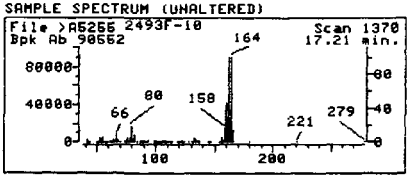
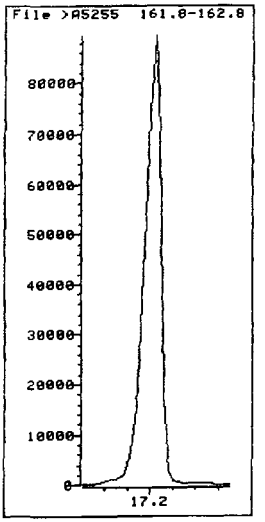
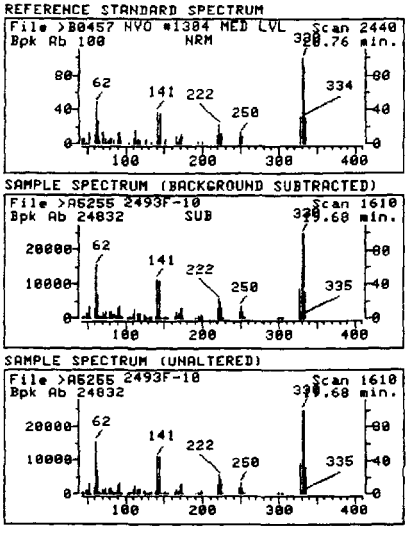


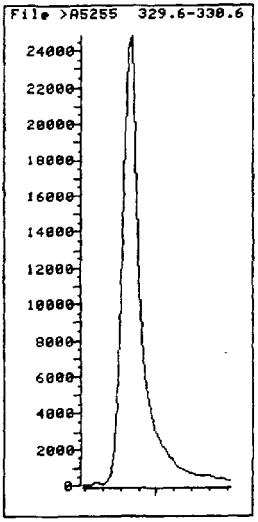


Data File: >A5255::E2
Name: 2493F-10
Misc: LHC 5996 86002741 3101-2493F BTL#22
Quant Time: 861020 12:31
Injected at: 861016 03:28

Compound No: 7 (ISTD)
Compound Name: D10 ACENAPHTHENE
Scan Number: 1370
Retention Time: 17.21 min.
Area: 231353
Concentration: 40.00 UG/WIPE
q-value: 100

010330



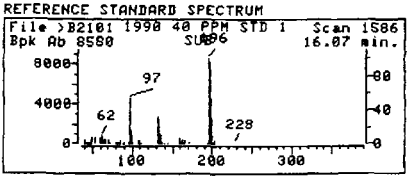


T3040

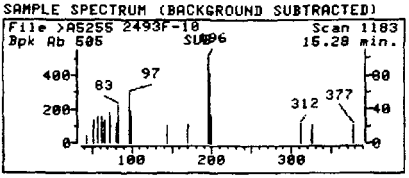
Data File: >A5255::E2
Name: 2493F-10
Misc: LMC 5996 86002741 3101-2493F BTL#22
Quant Time: 861020 12:31
Injected at: 861016 03:28

Compound No: 8
Compound Name: 2,4,6-TRIBROMOPHENOL (SURR)
Scan Number: 1610
Retention Time: 19.68 min.
Area: 93979
Concentration: 87.66 UG/WIPE
q-value: 100

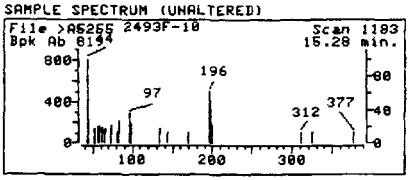
REFERENCE STANDARD SPECTRUM

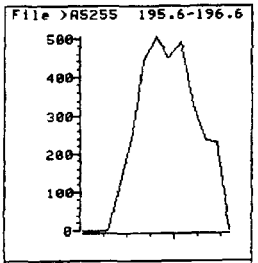


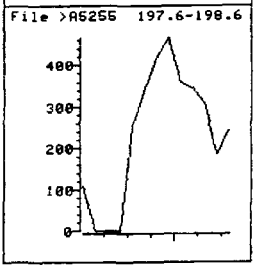
SAMPLE SPECTRUM (BACKGROUND SUBTRACTED)



SAMPLE SPECTRUM (UNALTERED)







Data File: >A5255::E2
Name: 2493F-10
Misc: LMC 5996 86002741 3101-2493F BTL022
Quant Time: 861020 12:31
Injected at: 861016 03:28

Compound No: 10
Compound Name: 2,4,5-Trichlorophenol
Scan Number: 1183
Retention Time: 15.28 min.
Area: 1891
Concentration: .62 UG/WIPE
q-value: 63

Sample Number
2493F #11

Organics Analysis Data Sheet
(Page 1)

Laboratory Name: ENVIROSYNE ENGRS Case No: 3101-2493F
Lab Sample ID No: 8600294 QC Report No: _____
Sample Matrix: WIPE Contract No: SAS 3101-2493F
Data Release Authorized By: Margaret C. Wuthe Date Sample Received: 10/6/86

Volatile Compounds

Concentration: (Low) Medium (Circle One)
Date Extracted/Prepared: _____
Date Analyzed: _____
Conc/Dil Factor: _____ pH _____
Percent Moisture: (Not Decanted) _____

CAS Number		ug/l or ug/Kg (Circle One)
74-87-3	Chloromethane	
74-83-9	Bromomethane	
75-01-4	Vinyl Chloride	
75-00-3	Chloroethane	
75-09-2	Methylene Chloride	
67-64-1	Acetone	
75-15-0	Carbon Disulfide	
75-35-4	1, 1-Dichloroethene	
75-34-3	1, 1-Dichloroethane	
156-60-5	Trans-1, 2-Dichloroethene	
67-66-3	Chloroform	
107-06-2	1, 2-Dichloroethane	
78-93-3	2-Butanone	
71-55-6	1, 1, 1-Trichloroethane	
56-23-5	Carbon Tetrachloride	
108-05-4	Vinyl Acetate	
75-27-4	Bromodichloromethane	

CAS Number		ug/l or ug/Kg (Circle One)
78-87-5	1, 2-Dichloropropane	
10061-02-6	Trans-1, 3-Dichloropropene	
79-01-6	Trichloroethene	
124-48-1	Dibromochloromethane	
79-00-5	1, 1, 2-Trichloroethane	
71-43-2	Benzene	
10061-01-5	cis-1, 3-Dichloropropene	
110-75-8	2-Chloroethylvinylether	
75-25-2	Bromoform	
108-10-1	4-Methyl-2-Pentanone	
591-78-6	2-Hexanone	
127-18-4	Tetrachloroethene	
79-34-5	1, 1, 2, 2-Tetrachloroethane	
108-88-3	Toluene	
108-90-7	Chlorobenzene	
100-41-4	Ethylbenzene	
100-42-5	Styrene	
	Total Xylenes	

0102333

Data Reporting Qualifiers

For reporting results to EPA, the following results qualifiers are used. Additional flags or footnotes explaining results are encouraged. However, the definition of each flag must be explicit.

Value If the result is a value greater than or equal to the detection limit, report the value

U Indicates compound was analyzed for but not detected. Report the minimum detection limit for the sample with the U (e.g., 10U) based on necessary concentration/dilution action. (This is not necessarily the instrument detection limit.) The footnote should read: U-Compound was analyzed for but not detected. The number is the minimum attainable detection limit for the sample

J Indicates an estimated value. This flag is used either when estimating a concentration for tentatively identified compounds where a 1:1 response is assumed or when the mass spectral data indicated the presence of a compound that meets the identification criteria but the result is less than the specified detection limit but greater than zero. (e.g., 10J). If limit of detection is 10 µg/l and a concentration of 3 µg/l is calculated, report as 3J.

C This flag applies to pesticide parameters where the identification has been confirmed by GC/MS. Single component pesticides ≥10 ng/ul in the final extract should be confirmed by GC/MS.

B This flag is used when the analyte is found in the blank as well as a sample. It indicates possible/probable blank contamination and warns the data user to take appropriate action.

Other Other specific flags and footnotes may be required to properly define the results. If used, they must be fully described and such description attached to the data summary report.

Laboratory Name: ENVIRODYNE

Case No: 2493

Sample Number: 2493F-11

Organics Analysis Data Sheet
(Page 2)

Semivolatile Compounds

Concentration: (Low) Medium (Circle One)

Date Extracted/Prepared: 10/6/86

Date Analyzed: 10/16/86

Conc/Dil Factor: 1

Percent Moisture (Decanted) _____

GPC Cleanup ☐Yes ☑No

Separatory Funnel Extraction ☐Yes

Continuous Liquid - Liquid Extraction ☐Yes

CAS Number		~~ug/l or ug/Kg~~ ug/wipe (Circle One)
108-95-2	Phenol	
111-44-4	bis(-2-Chloroethyl)Ether	
95-57-8	2-Chlorophenol	10U
541-73-1	1, 3-Dichlorobenzene	
106-46-7	1, 4-Dichlorobenzene	
100-51-6	Benzyl Alcohol	
95-50-1	1, 2-Dichlorobenzene	
95-48-7	2-Methylphenol	
39638-32-9	bis(2-chloroisopropyl)Ether	
106-44-5	4-Methylphenol	
621-64-7	N-Nitroso-Di-n-Propylamine	
67-72-1	Hexachloroethane	
98-95-3	Nitrobenzene	
78-59-1	Isophorone	
88-75-5	2-Nitrophenol	
105-67-9	2, 4-Dimethylphenol	
65-85-0	Benzoic Acid	
111-91-1	bis(-2-Chloroethoxy)Methane	
120-83-2	2, 4-Dichlorophenol	10U
120-82-1	1, 2, 4-Trichlorobenzene	
91-20-3	Naphthalene	--
106-47-8	4-Chloroaniline	
87-68-3	Hexachlorobutadiene	
59-50-7	4-Chloro-3-Methylphenol	10U
91-57-6	2-Methylnaphthalene	
77-47-4	Hexachlorocyclopentadiene	
88-06-2	2, 4, 6-Trichlorophenol	10U
95-95-4	2, 4, 5-Trichlorophenol	50U
91-58-7	2-Chloronaphthalene	
88-74-4	2-Nitroaniline	
131-11-3	Dimethyl Phthalate	
208-96-8	Acenaphthylene	
99-09-2	3-Nitroaniline	

CAS Number		~~ug/l or ug/Kg~~ ug/wipe (Circle One)
83-32-9	Acenaphthene	
51-28-5	2, 4-Dinitrophenol	
100-02-7	4-Nitrophenol	
132-64-9	Dibenzofuran	
121-14-2	2, 4-Dinitrotoluene	
606-20-2	2, 6-Dinitrotoluene	
84-66-2	Diethylphthalate	
7005-72-3	4-Chlorophenyl-phenylether	
86-73-7	Fluorene	
100-01-6	4-Nitroaniline	
534-52-1	4, 6-Dinitro-2-Methylphenol	
86-30-6	N-Nitrosodiphenylamine (1)	
101-55-3	4-Bromophenyl-phenylether	
118-74-1	Hexachlorobenzene	
87-86-5	Pentachlorophenol	50U
85-01-8	Phenanthrene	
120-12-7	Anthracene	
84-74-2	Di-n-Butylphthalate	
206-44-0	Fluoranthene	
129-00-0	Pyrene	
85-68-7	Butylbenzylphthalate	
91-94-1	3, 3'-Dichlorobenzidine	
56-55-3	Benzo(a)Anthracene	
117-81-7	bis(2-Ethylhexyl)Phthalate	
218-01-9	Chrysene	
117-84-0	Di-n-Octyl Phthalate	
205-99-2	Benzo(b)Fluoranthene	
207-08-9	Benzo(k)Fluoranthene	
50-32-8	Benzo(a)Pyrene	
193-39-5	Indeno(1, 2, 3-cd)Pyrene	
53-70-3	Dibenz(a, h)Anthracene	
191-24-2	Benzo(g, h, i)Perylene	

(1)-Cannot be separated from diphenylamine

Laboratory Name: ENVIRODYNE

Case No: 2493F

Sample Number: 2493F-11

Organics Analysis Data Sheet
(Page 4)

Tentatively Identified Compounds

	CAS Number	Compound Name	Fraction	RT or Scan Number	Estimated Concentration (ug/l or ug/kg)
1.		No Chlorophenols found			
2.					
3.					
4.					
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.					

010333

QUANT REPORT

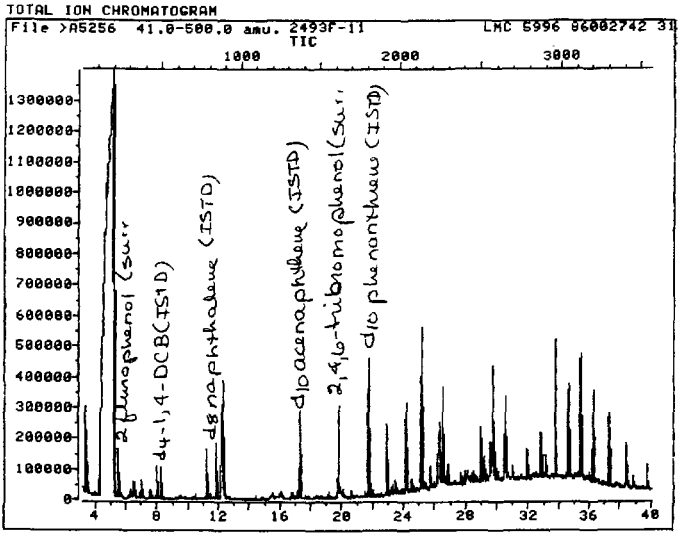
Operator ID: USER8 Quant Rev: 4 Quant Time: 861020 12:33
Output File: ^A5256::L2 Injected at: 861016 04:15
Data File: >A5256::E2 Dilution Factor: 1.000
Name: 2493F-11
Misc: LMC 5996 86002742 3101-2493F BTL#23

ID File: $A5248::D3
Title: ID FILE FOR SAS 3101-2493F
Last Calibration: 861020 11:54

	Compound	R.T.	Scan#	Area	Conc	Units	q
1)	*D4 1,4-DICHLOROBENZENE	8.16	491	65501	40.00	UG/WIPE	91
2)	2-FLUOROPHENOL (SURROGATE)	5.46	229	76101	80.31	UG/WIPE	100
4)	*D8 NAPHTHALENE	11.80	845	170306	40.00	UG/WIPE	100
7)	*D10 ACENAPHTHENE	17.21	1370	144542	40.00	UG/WIPE	100
8)	2,4,6-TRIBROMOPHENOL (SURR)	19.70	1612	135674	202.56	UG/WIPE	100
11)	*D10 PHENANTHRENE	21.65	1801	516295	40.00	UG/WIPE	100

* Compound is ISTD

TOTAL ION CHROMATOGRAM

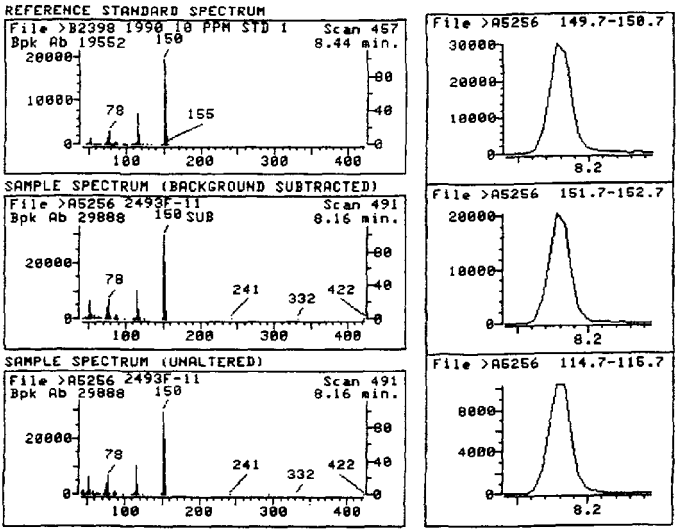


Data File: >A5256::E2
Name: 2493F-11
Misc: LMC 5996 86002742 3101-2493F BTL#23

Id File: @A5248::D3
Title: ID FILE FOR SAS 3101-2493F
Last Calibration: 861020 11:54

Operator ID: USER8
Quant Time: 861020 12:33
Injected at: 861016 04:15

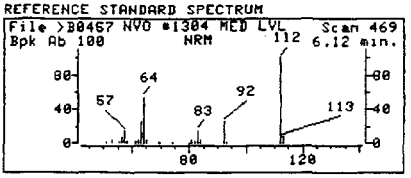
010037



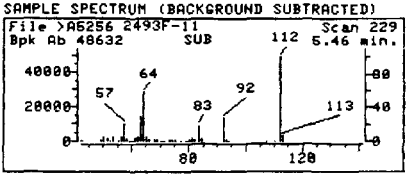
Data File: >A5256::E2
Name: 2493F-11
Misc: LHC 5996 86002742 3101-2493F BTL#23
Quant Time: 861020 12:33
Injected at: 861016 04:15

Compound No: 1 (ISTD)
Compound Name: D4 1,4-DICHLOROBENZENE
Scan Number: 491
Retention Time: 8.16 min.
Area: 65501
Concentration: 40.00 UG/WIPE
q-value: 91

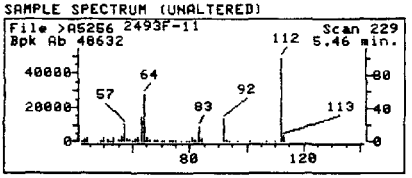
REFERENCE STANDARD SPECTRUM

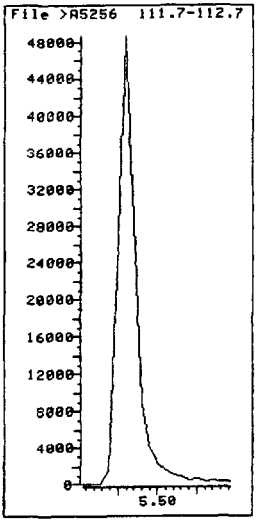


SAMPLE SPECTRUM (BACKGROUND SUBTRACTED)



SAMPLE SPECTRUM (UNALTERED)

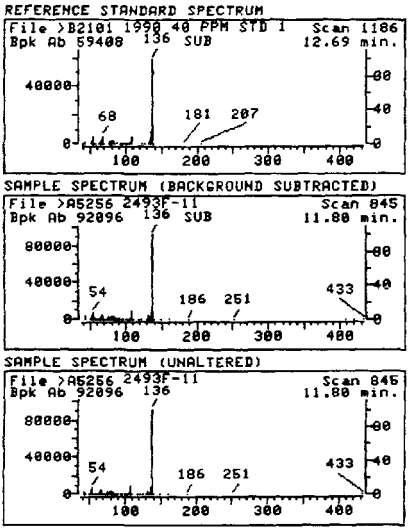


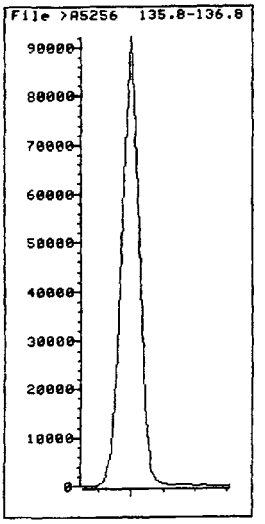


Data File: >A5256::E2
Name: 2493F-11
Misc: LMC 5996 86002742 3101-2493F BTL#23
Quant Time: 861020 12:33
Injected at: 861016 04:15

Compound No: 2
Compound Name: 2-FLUOROPHENOL (SURROGATE)
Scan Number: 229
Retention Time: 5.46 min.
Area: 76101
Concentration: 80.31 UG/WIPE
q-value: 100

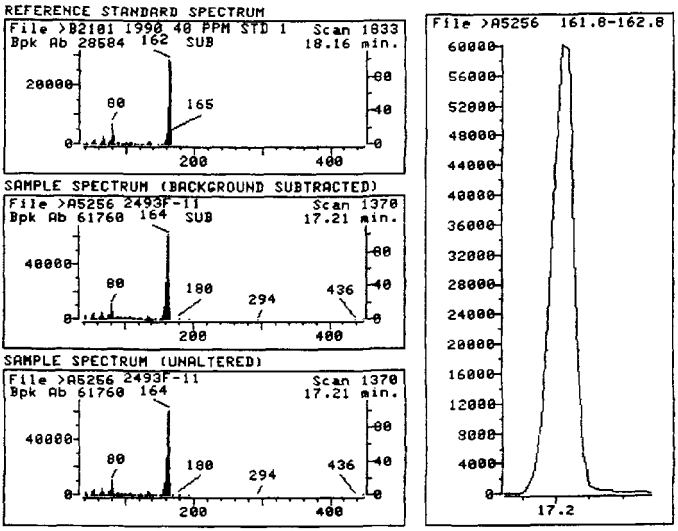
010339





Data File: >A5256::E2
Name: 2493F-11
Misc: LMC 5996 86002742 3101-2493F BTL#23
Quant Time: 861020 12:33
Injected at: 861016 04:15

Compound No: 4 (ISTD)
Compound Name: D8 NAPHTHALENE
Scan Number: 845
Retention Time: 11.80 min.
Area: 178306
Concentration: 40.00 UG/WIPE
q-value: 100

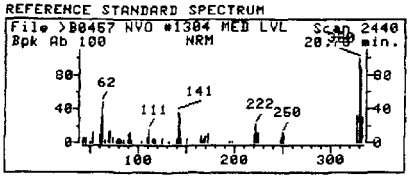


Data File: >A5256::E2
Name: 2493F-11
Misc: LMC 5996 86002742 3101-2493F BTL423
Quant Time: 861020 12:33
Injected at: 861016 04:15

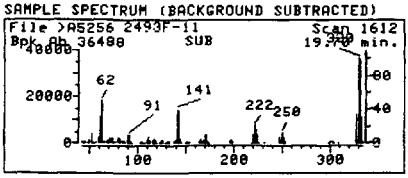
Compound No: 7 (ISTD)
Compound Name: D10 ACENAPHTHENE
Scan Number: 1370
Retention Time: 17.21 min.
Area: 144542
Concentration: 40.00 UG/WIPE
q-value: 100

010101

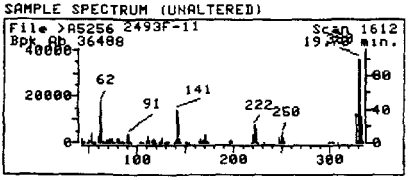
REFERENCE STANDARD SPECTRUM

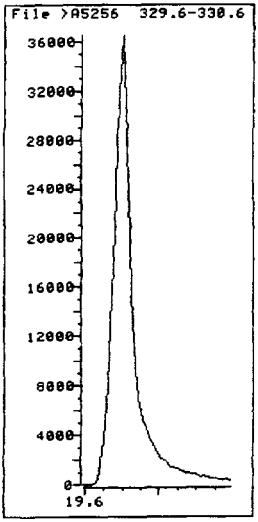


SAMPLE SPECTRUM (BACKGROUND SUBTRACTED)



SAMPLE SPECTRUM (UNALTERED)

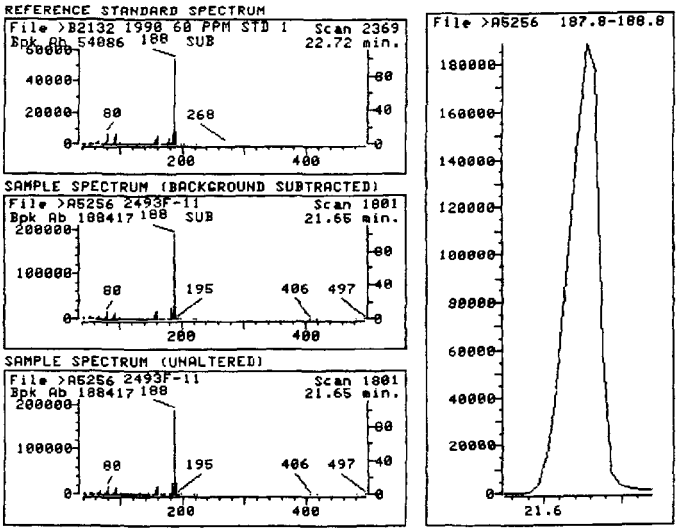




Data File: >A5256::E2
Name: 2493F-11
Misc: LHC 5996 86002742 3101-2493F BTL#23
Quant Time: 861020 12:33
Injected at: 861016 04:15

Compound No: 8
Compound Name: 2,4,6-TRIBROMOPHENOL (SURR)
Scan Number: 1612
Retention Time: 19.70 min.
Area: 135674
Concentration: 202.56 UG/WIPE
q-value: 100

010103



Data File: >A5256::E2
Name: 2493F-11
Misc: LHC 5996 86002742 3101-2493F BTL#23
Quant Time: 861020 12:33
Injected at: 861016 04:15

Compound No: 11 (ISTD)
Compound Name: D10 PHENANTHRENE
Scan Number: 1801
Retention Time: 21.65 min.
Area: 516295
Concentration: 40.00 UG/WIPE
q-value: 100

010103

Sample Number
2493F #2

Organics Analysis Data Sheet
(Page 1)

Laboratory Name: ENVIRODYNE ENGRS Case No: 3101-2493F

Lab Sample ID No: 8600 2943 QC Report No: _____

Sample Matrix: WIPE Contract No: SAS 3101-2493 F

Data Release Authorized By: Margaret C. Wrutten Date Sample Received: 10/6/86

Volatile Compounds

Concentration: (Low) Medium (Circle One)

Date Extracted/Prepared: _____

Date Analyzed: _____

Conc/Dil Factor: _____ pH _____

Percent Moisture: (Not Decanted) _____

0 1 0 1 0 4

CAS Number		ug/l or ug/Kg (Circle One)
74-87-3	Chloromethane	
74-83-9	Bromomethane	
75-01-4	Vinyl Chloride	
75-00-3	Chloroethane	
75-09-2	Methylene Chloride	
67-64-1	Acetone	
75-15-0	Carbon Disulfide	
75-35-4	1, 1-Dichloroethene	
75-34-3	1, 1-Dichloroethane	
156-60-5	Trans-1, 2-Dichloroethene	
67-66-3	Chloroform	
107-06-2	1, 2-Dichloroethane	
78-93-3	2-Butanone	
71-55-6	1, 1, 1-Trichloroethane	
56-23-5	Carbon Tetrachloride	
108-05-4	Vinyl Acetate	
75-27-4	Bromodichloromethane	

CAS Number		ug/l or ug/Kg (Circle One)
78-87-5	1, 2-Dichloropropane	
10061-02-6	Trans-1, 3-Dichloropropene	
79-01-6	Trichloroethene	
124-48-1	Dibromochloromethane	
79-00-5	1, 1, 2-Trichloroethane	
71-43-2	Benzene	
10061-01-5	cis-1, 3-Dichloropropene	
110-75-8	2-Chloroethylvinylether	
75-25-2	Bromoform	
108-10-1	4-Methyl-2-Pentanone	
591-78-6	2-Hexanone	
127-18-4	Tetrachloroethene	
79-34-5	1, 1, 2, 2-Tetrachloroethane	
108-88-3	Toluene	
108-90-7	Chlorobenzene	
100-41-4	Ethylbenzene	
100-42-5	Styrene	
	Total Xylenes	

Data Reporting Qualifiers

For reporting results to EPA, the following results qualifiers are used. Additional flags or footnotes explaining results are encouraged. However, the definition of each flag must be explicit.

Value If the result is a value greater than or equal to the detection limit, report the value.

U Indicates compound was analyzed for but not detected. Report the minimum detection limit for the sample with the U (e.g., 10U) based on necessary concentration/dilution action. (This is not necessarily the instrument detection limit.) The footnote should read: U- Compound was analyzed for but not detected. The number is the minimum attainable detection limit for the sample

J Indicates an estimated value. This flag is used either when estimating a concentration for tentatively identified compounds where a 1:1 response is assumed or when the mass spectral data indicated the presence of a compound that meets the identification criteria but the result is less than the specified detection limit but greater than zero. (e.g., 10J). If limit of detection is 10 µg/l and a concentration of 3 µg/l is calculated, report as 3J.

C This flag applies to pesticide parameters where the identification has been confirmed by GC/MS. Single component pesticides ≥10 ng/ul in the final extract should be confirmed by GC/MS.

B This flag is used when the analyte is found in the blank as well as a sample. It indicates possible/probable blank contamination and warns the data user to take appropriate action.

Other Other specific flags and footnotes may be required to properly define the results. If used, they must be fully described and such description attached to the data summary report.

Laboratory Name: ENVIRODYNE

Case No: 24931

Sample Number: 2493F-12

Organics Analysis Data Sheet
(Page 2)

Semivolatile Compounds

Concentration: (Low) Medium (Circle One)

Date Extracted/Prepared: 10/6/86

Date Analyzed: 10-16-86

Conc/Dil Factor: 1

Percent Moisture (Decanted) _____

GPC Cleanup ☐Yes ☑No

Separatory Funnel Extraction ☐Yes

Continuous Liquid - Liquid Extraction ☐Yes

CAS Number		ug/wipe ~~ug/L or ug/Kg~~ (Circle One)
108-95-2	Phenol	
111-44-4	bis(-2-Chloroethyl)Ether	
95-57-8	2-Chlorophenol	10 U
541-73-1	1, 3-Dichlorobenzene	
106-46-7	1, 4-Dichlorobenzene	
100-51-6	Benzyl Alcohol	
95-50-1	1, 2-Dichlorobenzene	
95-48-7	2-Methylphenol	
39638-32-9	bis(2-chloroisopropyl)Ether	
106-44-5	4-Methylphenol	
621-64-7	N-Nitroso-Di-n-Propylamine	
67-72-1	Hexachloroethane	
98-95-3	Nitrobenzene	
78-59-1	Isophorone	
88-75-5	2-Nitrophenol	
105-67-9	2, 4-Dimethylphenol	
65-85-0	Benzoic Acid	
111-91-1	bis(-2-Chloroethoxy)Methane	
120-83-2	2, 4-Dichlorophenol	10 U
120-82-1	1, 2, 4-Trichlorobenzene	
91-20-3	Naphthalene	
106-47-8	4-Chloroaniline	
87-68-3	Hexachlorobutadiene	
59-50-7	4-Chloro-3-Methylphenol	10 U
91-57-6	2-Methylnaphthalene	
77-47-4	Hexachlorocyclopentadiene	
88-06-2	2, 4, 6-Trichlorophenol	10 U
95-95-4	2, 4, 5-Trichlorophenol	50 U
91-58-7	2-Chloronaphthalene	
88-74-4	2-Nitroaniline	
131-11-3	Dimethyl Phthalate	
208-96-8	Acenaphthylene	
99-09-2	3-Nitroaniline	

CAS Number		ug/wipe ~~ug/L or ug/Kg~~ (Circle One)
83-32-9	Acenaphthene	
51-28-5	2, 4-Dinitrophenol	
100-02-7	4-Nitrophenol	
132-64-9	Dibenzofuran	
121-14-2	2, 4-Dinitrotoluene	
606-20-2	2, 6-Dinitrotoluene	
84-66-2	Diethylphthalate	
7005-72-3	4-Chlorophenyl-phenylether	
86-73-7	Fluorene	
100-01-6	4-Nitroaniline	
534-52-1	4, 6-Dinitro-2-Methylphenol	
86-30-6	N-Nitrosodiphenylamine (1)	
101-55-3	4-Bromophenyl-phenylether	
118-74-1	Hexachlorobenzene	
87-86-5	Pentachlorophenol	50 U
85-01-8	Phenanthrene	
120-12-7	Anthracene	
84-74-2	Di-n-Butylphthalate	
206-44-0	Fluoranthene	
129-00-0	Pyrene	
85-68-7	Butylbenzylphthalate	
91-94-1	3, 3'-Dichlorobenzidine	
56-55-3	Benzo(a)Anthracene	
117-81-7	bis(2-Ethylhexyl)Phthalate	
218-01-9	Chrysene	
117-84-0	Di-n-Octyl Phthalate	
205-99-2	Benzo(b)Fluoranthene	
207-08-9	Benzo(k)Fluoranthene	
50-32-8	Benzo(a)Pyrene	
193-39-5	Indeno(1, 2, 3-cd)Pyrene	
53-70-3	Dibenz(a, h)Anthracene	
191-24-2	Benzo(g, h, i)Perylene	

(1)-Cannot be separated from diphenylamine

10/10/86

Laboratory Name: EN RODYNE

Case No: 2493F

Sample Number: 2493F-12

Organics Analysis Data Sheet
(Page 4)

Tentatively Identified Compounds

	CAS Number	Compound Name	Fraction	RT or Scan Number	Estimated Concentration (ug/l or ug/kg)
1.		no chlorophenols found			
2.					
3.					
4.					
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.					

QUANT REPORT

Operator ID: USER8 Quant Rev: 4 Quant Time: 861020 12:28
Output File: ^A5253::L2 Injected at: 861016 01:53
Data File: >A5253::E2 Dilution Factor: 1.000
Name: 2493F-12
Misc: LMC 5996 86002743 3101-2493F BTL#20

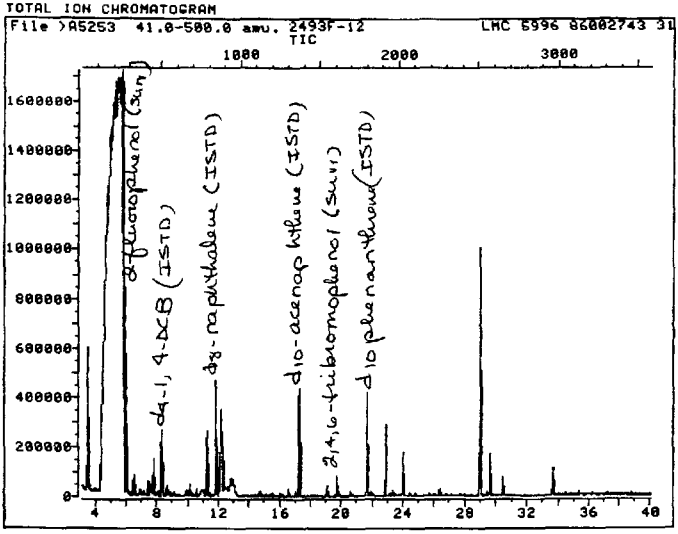
ID File: #A5248::03
Title: ID FILE FOR SAS 3101-2493F
Last Calibration: 861020 11:54

	Compound	R.T.	Scan#	Area	Conc	Units	q
1)	*D4 1,4-DICHLOROBENZENE	8.23	497	236463	40.00	UG/WIPE	94
2)	2-FLUOROPHENOL (SURROGATE)	5.97	278	215460	62.98	UG/WIPE	100
4)	*D8 NAPHTHALENE	11.84	848	523115	40.00	UG/WIPE	100
7)	*D10 ACENAPHTHENE	17.20	1368	235600	40.00	UG/WIPE	100
8)	2,4,6-TRIBROMOPHENOL (SURR)	19.65	1606	28140	25.78	UG/WIPE	100
11)	*D10 PHENANTHRENE	21.63	1798	427473	40.00	UG/WIPE	100

* Compound is ISTD

010107

TOTAL ION CHROMATOGRAM



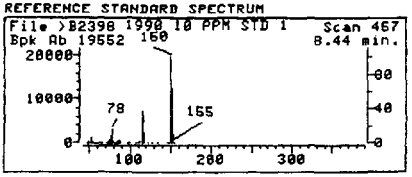
Data File: >A5253::E2
Name: 2493F-12
Misc: LMC 5996 86002743 3101-2493F HTL420

Id File: 4A5248::D3
Title: ID FILE FOR SAS 3101-2493F
Last Calibration: 861020 11:54

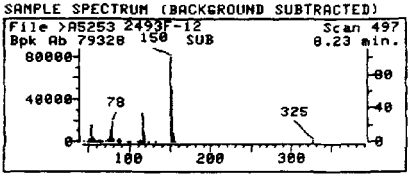
Operator ID: USER8
Quant Time: 861020 12:28
Injected at: 861016 01:53

010103

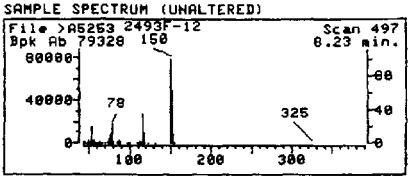
REFERENCE STANDARD SPECTRUM

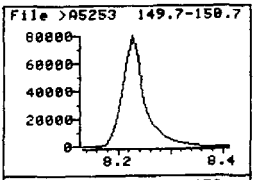


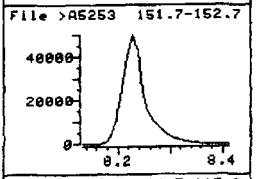
SAMPLE SPECTRUM (BACKGROUND SUBTRACTED)

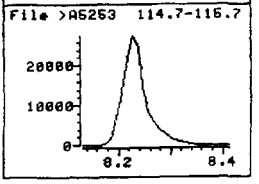


SAMPLE SPECTRUM (UNALTERED)





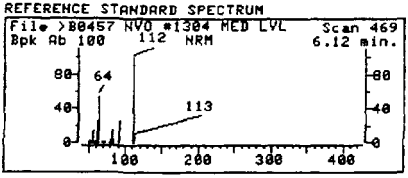




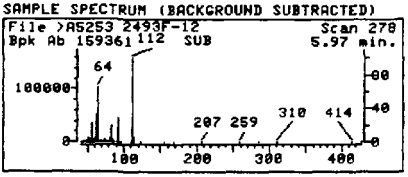
Data File: >A5253::E2
Name: 2493F-12
Misc: LMC 5996 86002743 3101-2493F BTL820
Quant Time: 861020 12:28
Injected at: 861016 01:53

Compound No: 1 (ISTD)
Compound Name: D4 1,4-DICHLOROBENZENE
Scan Number: 497
Retention Time: 8.23 min.
Area: 236463
Concentration: 40.00 UG/WIPE
q-value: 94

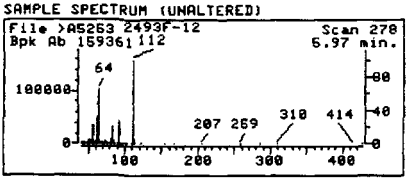
REFERENCE STANDARD SPECTRUM

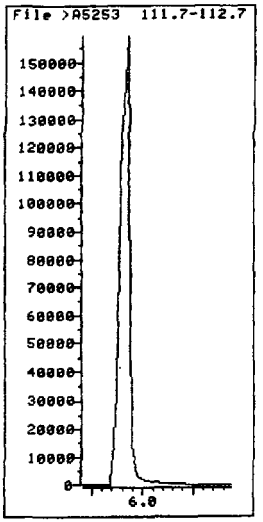


SAMPLE SPECTRUM (BACKGROUND SUBTRACTED)



SAMPLE SPECTRUM (UNALTERED)



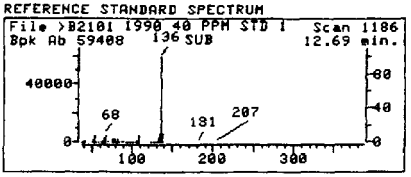


Data File: >A5253::E2
Name: 2493F-12
Misc: LMC 5996 86002743 3101-2493F BTL020
Quant Time: 861020 12:28
Injected at: 861016 01:53

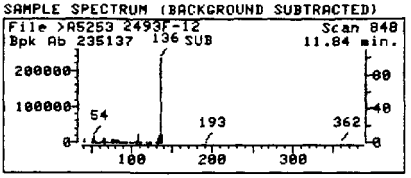
Compound No: 2
Compound Name: 2-FLUOROPHENOL (SURROGATE)
Scan Number: 278
Retention Time: 5.97 min.
Area: 215460
Concentration: 62.98 UG/WIPE
q-value: 100

0110110

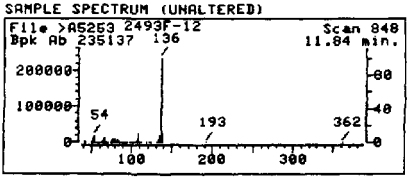
REFERENCE STANDARD SPECTRUM

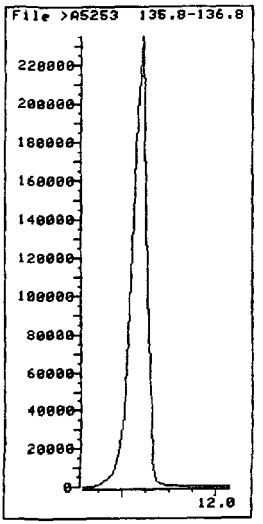


SAMPLE SPECTRUM (BACKGROUND SUBTRACTED)



SAMPLE SPECTRUM (UNALTERED)

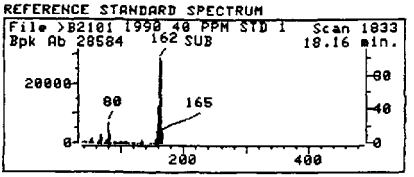




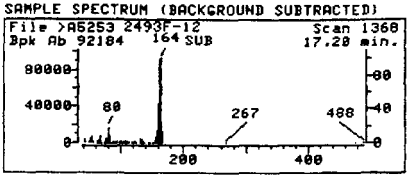
Data File: >A5253::E2
Name: 2493F-12
Misc: LMC 5996 86002743 3101-2493F BTL020
Quant Time: 861020 12:28
Injected at: 861016 01:53

Compound No: 4 (ISTD)
Compound Name: D8 NAPHTHALENE
Scan Number: 848
Retention Time: 11.84 min.
Area: 523115
Concentration: 40.00 UG/WIPE
q-value: 100

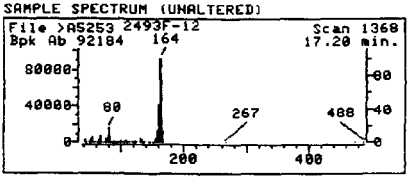
REFERENCE STANDARD SPECTRUM

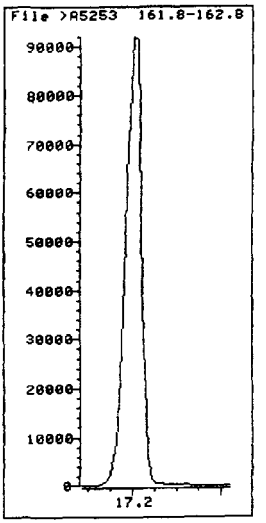


SAMPLE SPECTRUM (BACKGROUND SUBTRACTED)



SAMPLE SPECTRUM (UNALTERED)

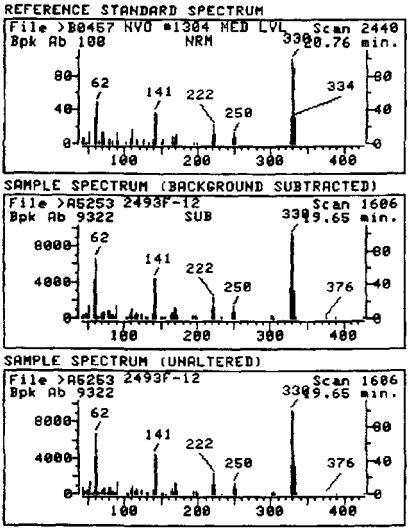


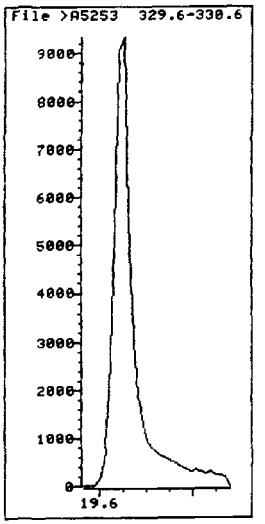


010412

Data File: >A5253::E2
Name: 2493F-12
Misc: LMC 5996 86002743 3101-2493F BTL#20
Quant Time: 861020 12:28
Injected at: 861016 01:53

Compound No: 7 (ISTD)
Compound Name: D10 ACENAPHTHENE
Scan Number: 1368
Retention Time: 17.20 min.
Area: 235600
Concentration: 40.00 UG/WIPE
q-value: 100



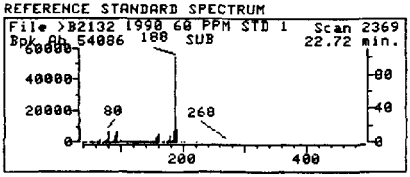


Data File: >A5253::E2
Name: 2493F-12
Misc: LMC 5996 86002743 3101-2493F BTL#20
Quant Time: 861020 12:28
Injected at: 861016 01:53

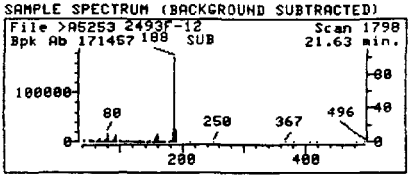
Compound No: 8
Compound Name: 2,4,6-TRIBROMOPHENOL (SURR)
Scan Number: 1606
Retention Time: 19.65 min.
Area: 28140
Concentration: 25.78 UG/WIPE
q-value: 100

010413

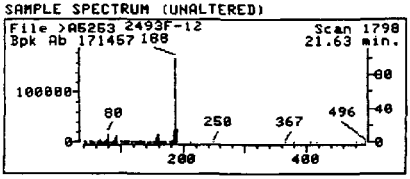
REFERENCE STANDARD SPECTRUM

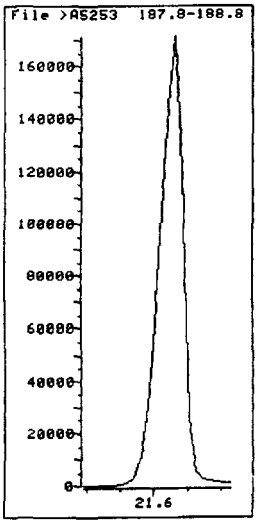


SAMPLE SPECTRUM (BACKGROUND SUBTRACTED)



SAMPLE SPECTRUM (UNALTERED)





Data File: >A5253::E2
Name: 2493F-12
Misc: LMC 5996 86002743 3101-2493F BTL#20
Quant Time: 861020 12:28
Injected at: 861016 01:53

Compound No: 11 (ISTD)
Compound Name: D10 PHENANTHRENE
Scan Number: 1798
Retention Time: 21.63 min.
Area: 427473
Concentration: 40.00 UG/WIPE
q-value: 100

010414