862009

NYSEG
(Penn Yan)

SDG#: 7360

Task#: 7360

Organics Data Package

Galson
Laboratories

Galson Laboratories

6601 Kirkville Road
E. Syracuse, NY 13057
Tel: (315) 432-0506
1-800-950-0506

April 3, 1992

Mr. Jim Lamphere
New York State Electric and Gas
87-89 Chenango Street
Binghamton, New York 13902

Re: Analytical Services
Site: Penn Yan

Task Number: 7360

Dear Mr. Lamphere:

The following package contains the analytical results of the sample received by our laboratory on March 7, 1992. The sample was analyzed following NYS-DEC ASP Category B protocol.

Volatiles (8240)
All quality control results were within acceptable control limits.

Semivolatiles (8270)
All surrogate, matrix spike, and matrix spike duplicate results were within acceptable control limits. 4 of 11 blank spike recoveries were outside MBS control limits but all were within matrix spike control limits. All but one quality control check standard recoveries were within acceptable control limits.

Please do not hesitate to call if you require any additional information regarding this report.

Sincerely,

Gale G. Sutton, CIH
Laboratory Director
GALSON LABORATORIES

Galson Laboratories

Table of Contents - Organics Data Package

New York State Electric & Gas

SDG # 7360

Task #:7360

EMPIRE SOILS INVESTIGATIONS INC.

CHAIN OF CUSTODY RECORD

PROJECT NO

SITE NAME: Penn Yan - Water St. MGP

SAMPLERS (SIGNATURE): Michael Adams

STATION NO	DATE	TIME	COMP	GRAB	STATION LOCATION	NO. OF CONTAINERS	8270 SVOA	8240 VOA	TCL Metals	New York State Electric & Gas 7360-002 Mar-07-1992 Soil	PYVIXXXX01 TANK	REMARKS
	3-5-92	2:55 pm		✓	Tank Pit - bottom/PYVIXXXX01	1	X					Soil from bottom of excavation - visibly clean - prior to refilling pit
	3-5-92	2:55 pm		✓	Tank Pit - bottom/PYVIXXXX01	1		X				
	3-5-92	2:55 pm		✓	Tank Pit - bottom/PYVIXXXX01	1			X			
					New York State Electric & Gas 7360-002 Mar-07-1992 Water HOLD BLANK							

Please Return Cooler to NYSEG 87-89 Cherango St. Bing., NY. 13901

Samples to GALSON. VIA FEDEX 3/6/92

NYS ASP CAT. B

Per Pete Batroney 3/9/92

0003

RELINQUISHED BY (SIGNATURE)	DATE	TIME	RECEIVED BY (SIGNATURE)
Michael Adams	3-5-92	2:55 pm	MC Hebden
MC Hebden	3-6-92	7:55 am	

RELINQUISHED BY (SIGNATURE)	DATE	TIME	RECEIVED BY (SIGNATURE)
Peter Batroney	3/6/92	9:06	

RECEIVED FOR LABORATORY BY (SIGNATURE): [signature] DATE 3/9/92 TIME 1020

REMARKS: VTSR: 07MAR92 1028 ~~(XX) Sat. arrived before 9am~~

Internal Chain of Custody Receipt and Termination Form

Client : NYSEG
Job # : 1103
Task : 73100
VTSR : 07MAR92, 1028 (Date/Time)**

Cover Page 1 of 1
Final Report Date :
Disposal Holding Interval : ___ ***
Request #:

Q: 5 D: B

Sample #	Client Id	Matrix #	pH	# Contr's Received	Storage Area	Analytes Circle Requests	Hazard Level	Containers Taken / Retn.
001	TarPit	Soil	NA	1	37/None	Semi VOA (8270)		/
|	|	|	/	1	VR-01	VOA (8240)		/
|	↓	↓	/	1	37/None	TCL Metals		/
002	Field BLANK	Water	/	2	VR-01	VOA (8240)		/

Total # of Containers For Task: 05

Sample Receipt/Breakdown By: [signature] (Sig) 09MAR92, 1027 (Date/Time)
Sample Storage By: [signature] (Sig) 09MAR92, 1055 (Date/Time)
Sample Disposal By: ______ (Sig) ______ (Date/Time)
Disposal Comments:

Total # Cntr's Taken: 0

* - pH adjustment was required, see attached sheet.
** - VTSR = Validated Time of Sample Receipt
*** - The period of time after final report for which the contract requires the lab tomaintain custody of the samples in question.
NR = Entire sample used: none to return.

Total # Cntr's Ret.

Released To: ______ (Sig) Released By ______ (Sig) ______ (Date/Time)
Returned By: ______ (Sig) Returned To : ______ (Sig) ______ (Date/Time)

Internal Chain of Custody Receipt and Termination Form

Client : NYSEG
Job # : 11103
Task : 73100
VTSR : 07MAR92 1028 (Date/Time)**

Cover Page 1 of 1
Final Report Date : ______
Disposal Holding Interval : ______ ***
Request #: 01

Q: 5 D: B

Sample #	Client Id	Matrix #	pH	# Contr's Received	Storage Area	Analytes Circle Requests	Hazard Level	Containers Taken / Retn.
001	Tank Pit	Soil	NA	1	37/None	Semi VOA (8270)		/
↓	↓	↓	/	1	VR-01	VOA (8240)		1 /
↓	↓	↓	/	1	37/None	TCL Metals		/
002	Hold Blank	Water	/	2	VR-01	VOA (8240)		2 /

Total # of Containers For Task: 05

Sample Receipt/Breakdown By: [signature] (Sig) 09MAR92, 1027 (Date/Time)

Sample Storage By: [signature] (Sig) 09MAR92, 1055 (Date/Time)

Sample Disposal By: ______ (Sig) ______ (Date/Time)

Disposal Comments:

Total # Cntr's Taken 03

Total # Cntr's Ret.

* - pH adjustment was required, see attached sheet.

** - VTSR = Validated Time of Sample Receipt

*** - The period of time after final report for which the contract requires the lab tomaintain custody of the samples in question.

NR = Entire sample used: none to return.

Released To: [signature] (Sig) Released By [signature] (Sig) 10MAR92, 1420 (Date/Time)

Returned By: ______ (Sig) Returned To : ______ (Sig) ______ (Date/Time)

Internal Chain of Custody Receipt and Termination Form

Client : NYSEG
Job # : 11103
Task : 73100
VTSR : 07mar92, 1028 (Date/Time)**

Cover Page 1 of 1
Final Report Date :
Disposal Holding Interval : ______ ***
Request #: 02

Q: 5 D: B

Sample #	Client Id	Matrix #	pH	# Contr's Received	Storage Area	Analytes Circle Requests	Hazard Level	Containers Taken / Retn.
001	Tank27	Soil	NA	1	37/None	Semi VOA (8270)		01 / 1
					VR-01	VOA (8240)		/
					37/None	TCL metals		/
002	Hold Blank	Water		2	VR-01	VOA (8240)		/

Total # of Containers For Task: 05

Sample Receipt/Breakdown By: [signature] (Sig) 09mar92, 1027 (Date/Time)
Sample Storage By: [signature] (Sig) 09mar92, 1055 (Date/Time)
Sample Disposal By: ______ (Sig) ______ (Date/Time)
Disposal Comments:

Total # Cntr's Taken: 01

Total # Cntr's Ret.: 1

* - pH adjustment was required, see attached sheet.
** - VTSR = Validated Time of Sample Receipt
*** - The period of time after final report for which the contract requires the lab to maintain custody of the samples in question.
NR = Entire sample used: none to return.

Released To: [signature] (Sig) Released By [signature] (Sig) 3/12/92/0931 (Date/Time)
Returned By: [signature] (Sig) Returned To [signature] (Sig) 3/12/92 1850 (Date/Time)

GC/MS VOLATILE CHAIN OF CUSTODY

Client: NYSEG

Page # 1 of 1

Task #: 7360

Relinquished By: [signature] Date/Time 3/13/92 12:15

Sample Analysis Requested: 8240 624 89-1 TCLP 524.2 Other:____

Received By: [signature] Date/Time 3/13/92 12:20

Protocol: ELAP RCRA SPDES NYS/ASP Other:____

Store In Refrigerator # 01

1 = 500 ml Amber Jar
2 = 40 ml VOA Vial
3 = Dup 40 ml VOA Vial

Sample Removal & Return Tracking

Galson Sample ID	Client Sample ID	Bottle #	Date/Time Out	Removed By	Removed For	Date/Time In	Date/Time Out	Removed By	Removed For	Date/Time In	Date/Time Out	Removed By	Removed For	Date/Time In	Comments
001	PYVI MMM RI Tank	1	3/13/92 12:15	LW	ASW	3/13/92 12:20	3/13/92 16:30	RY	A	3/13/92 16:35					
002	Hold Blank	2	3/13/92 09:40	LW	A	3/13/92 12:45									
↓	↓	3													

Reasons For Removal
A:Analysis DW:Dry Weight
SS: Sub-Sampling B:Debulking
O:Other (Specify in comments)

Sample Debulking
Relinquished By:____ Date/Time:____/____
Received By:____ Date/Time:____/____

Sample Disposal
By:____
Date/Time:____/____

GC/MS EXTRACTABLE CHAIN OF CUSTODY

Client: NYSEG
Task #: 7360
Sample Analysis Requested: (8270) 625 8270 HCIP Other:
Protocol: ~~ELAP~~ (CLP) ~~SPDES NYS/ASP Other:~~

Relinquished by: [signature] Date/Time 3-17-92 15:24
Received by: [signature] Date/Time 3/17/92 15:24

Page # ___ of ___

Stored in Refrigerator # 8

QC Batch Q50545.EN

Sample Removal & Return Tracking

Calson Sample ID	Client Sample ID	Bottle #	Fraction	Date/Time Out	Removed By	For	Date/Time In	Date/Time Out	Removed By	For	Date/Time In	Date/Time Out	Removed By	For	Date/Time In	Comments
7360-001	MW-XXX-01	1	-	3/23/92 0930	[illegible]	IS/A	3/24/92 0820									
7360-005BS	BS 0545 05	1	-	3/23/92 0930	[illegible]	IS/A	3/24/92 0820									
Blank	BS 0545 Blank	1	-	3/23/92 0930	[illegible]	IS/A	3/24/92 0820									
7360-003MS	MW-XXX-03MS	1	-	3/23/92 0930	[illegible]	IS/A	3/24/92 0820									
004MSD	MW-XXX-04MSD	1	-	3/23/92 0930	[illegible]	IS/A	3/24/92 0820									
-006 BNA Soil	BH-SB-229	1	-	3/23/92 0930	[illegible]	IS/A	3/24/92 0820									
QC Blank	QC Blank	1	-	3/23/92 0930	[illegible]	IS/A	3/24/92 0820	Lake 1131	[illegible]	A	3/25/92 0820					

D: BW735
D: BW735
D: BW735
D: BW733
D: BW735
D: BW735

Reasons For Removal:
A:Analysis S:Standardizing C:Combining
D:Dilution R:Rebulking & Reorganizing
O:Other (Specify in comments)

Relinquished by: _____ Date/Time ___/___
Received By: _____ Date/Time ___/___
Extract Rebulking

By _____ Date/Time ___/___
Extract Disposal

JE

FEDERAL EXPRESS

QUESTIONS? CALL 800-238-5355 TOLL FREE.

AIRBILL
PACKAGE
TRACKING NUMBER

3930213151

1357N 3930213151

RECIPIENT'S COPY

Date 3/6/92

From (Your Name) Please Print: PETER BATROWNY

Your Phone Number (Very important): 6077625737

Company: NEW YORK ST ELEC & GAS CORP

Department / Floor No.:

Street Address: 37-51 CHENANGO ST

City: BINGHAMTON State: NY ZIP Required: 13901

2 To (Recipient's Name) Please Print: KIM BRADT

Recipient's Phone Number (Very important): (800) 950 0506

Company: GALSON LABORATORIES

Department / Floor No.:

Exact Street Address (We Cannot Deliver to P.O. Boxes or P.O. Zip Codes.): 6601 Kirkville Rd.

City: East Syracuse State: NY ZIP Required: 13057

YOUR INTERNAL BILLING REFERENCE INFORMATION (optional) (First 24 characters will appear on invoice.)

H IF HOLD FOR PICK-UP, Print FEDEX Address Here

Street Address:

City: State: ZIP Required:

3 PAYMENT 1 ☐ Bill Sender 2 ☐ Bill Recipient's FedEx Acct. No. 3 ☐ Bill 3rd Party FedEx Acct. No. 4 ☐ Bill Credit Card 5 ☐ Cash/Check

4 SERVICES (Check only one box)

Priority Overnight	Standard Overnight
11 ☒ YOUR PACKAGING	51 ☐ YOUR PACKAGING
16 ☐ FEDEX LETTER †	56 ☐ FEDEX LETTER *
12 ☐ FEDEX PAK *	52 ☐ FEDEX PAK *
13 ☐ FEDEX BOX	53 ☐ FEDEX BOX
14 ☐ FEDEX TUBE	54 ☐ FEDEX TUBE
Economy / 2nd-Day	**Government Overnight**
30 ☐ ECONOMY	46 ☐ GOVT. LETTER
	41 ☐ GOVT. PACKAGE

Freight Service

70 ☐ OVERNIGHT FREIGHT ** 80 ☐ TWO-DAY FREIGHT **

† Delivery Commitment may be later in some areas.
* Declared Value Limit $100.
** Call for delivery schedule.

5 DELIVERY AND SPECIAL HANDLING (Check services required)

1 ☐ HOLD FOR PICK-UP
2 ☑ DELIVER WEEKDAY
3 ☐ DELIVER SATURDAY
4 ☐ DANGEROUS GOODS
5 ☐
6 ☐ DRY ICE ____ kg
7 ☐ OTHER SPECIAL SERVICE
8 ☐
9 ☐ SATURDAY PICK-UP
10 ☐
11 ☐
12 ☐ HOLIDAY DELIVERY

6 | Packages | Weight | *Declared Value |
|---|---|---|
| Total | Total | Total |
| | 10 | |

SHIPMENT

Received At:
☐ Regular Stop ☐ Drop Box
☐ On-Call Stop ☐ Station

Emp. No. Date

Cash Received
Return Shipment
Third Party ☐ Chg. To Del ☐ Chg. To Hold

Street Address:

City State Zip

Received By: X C. Kupin

Date/Time Received: 3/7/92 1028 FedEx Employee Number:

7 Release Signature:

FedEx Emp. No. Date/Time

Federal Express Use

Base Charges

Declared Value Charge

Other 1

Other 2

Total Charges

REVISION DATE 6/91
PART #127204 REC 111
FORMAT #099

099

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NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
SAMPLE IDENTIFICATION AND ANALYTICAL REQUIREMENT SUMMARY

Task Number: 7360 Matrix: (Soil) Sediment Water Leachate

If CLP, indicate year of protocol 1987 (1989)

Customer Sample Oxxh	Laboratory Sample Code	GC VOA	MS VOA	MS BNA	MS BN	MS A	Pest PCB	LC PAH	ORS List#	TOX TOC	Phenol Total	Cr VI	CN Tot Fr	Fl Tot Sol	OrG	Metal List#	Wet List#
PYVIXXXX01	7360-001		✓	✓												1	
PYVIXXXX01 MS	7360-003		✓	✓												1	
PYVIXXXX01 MSD	7360-004		✓	✓												1	
MBS	7360-005		✓	✓												1	
QC	7360-006		✓	✓												1	

Metals List 1 - Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn

Dissolved Metals List 1 - Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn

Wet List 1

Organic List 1

Organic List 2

Organic List 3

Organic List 4

Organic List 5

Organic List 6

0010

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
SAMPLE IDENTIFICATION AND ANALYTICAL REQUIREMENT SUMMARY

Task Number: 7360 Matrix: Soil Sediment (Water) Leachate

If CLP, indicate year of protocol 1987 (1989)

Customer Sample Code	Laboratory Sample Code	GC VOA	MS VOA	MS BNA	MS BN	MS A	Pest PCB	LC PAH	Org. List#	TOX TOC	Phenol Total	Cr VI	CN Tot Fr	Fl Tot Sol	O+G	Metal List#	Wet List#
Hold Blank	7360-002		✓														

Metals List 1 - Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn

Dissolved Metals List 1 - Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn

Wet List 1

Organic List 1

Organic List 2

Organic List 3

Organic List 4

Organic List 5

Organic List 6

0011

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

SAMPLE PREPARATION AND ANALYSIS SUMMARY - GC/MS VOA ANALYSIS

SAMPLE ID	MATRIX	DATE COLLECTED	DATE REC'D AT LAB	DATE EXTRACTED	DATE ANALYZED
7360-001 PYVIXXXX01	SOIL	03/05/92	03/07/92	NA	03/13/92
7360-002 HOLD BLANK	WATER	03/05/92	03/07/92	NA	03/13/92
7360-003 PYVIXXXX01 MS	SOIL	03/05/92	03/07/92	NA	03/13/92
7360-004 PYVIXXXX02 MSD	SOIL	03/05/92	03/07/92	NA	03/13/92

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

SAMPLE PREPARATION AND ANALYSIS SUMMARY - BNA ANALYSIS

Gc/ms Semi Volatiles

SAMPLE ID	MATRIX	DATE COLLECTED	DATE REC'D AT LAB	DATE EXTRACTED	DATE ANALYZED
7360-001 SVI XXXX01	So: I	03/05/92	03/07/92	03/12/92	03/23/92
7360-003 SVI XXXX01MS	↓	↓	↓	↓	↓
7360-004 SVI XXXX01MSD	↓	↓	↓	↓	↓

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
SAMPLE PREPARATION AND ANALYSIS SUMMARY - ORGANIC ANALYSIS

GCMS Semivolatiles

SAMPLE ID	MATRIX	ANALYTICAL PROTOCOL	EXTRACTION METHOD	AUXILARY CLEAN UP	DIL/CONC FACTOR
7360-001 BVVEXXXX01	Soil	CAT. B 8270	Sonication	GPC	1
7360-003 BVVEXXXX01MS	↓	↓	↓	↓	↓
7360-004 BVVEXXXX01MSD	↓	↓	↓	↓	↓

ORGANIC DATA REPORTING QUALIFIERS

The Organic data qualifiers used in this report are as follows:

Valve - If the result is a value greater than or equal to the detection limit, the value is reported.

U - Indicates the 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 to estimate a concentration for tentatively identified compounds where a 1:1 response is assumed or when the mass spectral data idicate identification criteria, but the result is less than the specified detection limit.

C - Applies to pesticide parameters when the identification has been confirmed by GC/MS.

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

E - Identifies compounds whose concentrations exceed the calibration range of the instruments for specific analysis.

N - Compound not analyzed.

D - Identifies all compounds analyzed at a secondary dilution.

A - Indicates that a TIC is a suspected aldol-condensation product.

x - Any other specific flags and footnotes that may be required to properly define the results.

RE - Analysis performed on a re-extracted sample.

NC - Peak not confirmed.

GC MS

VOLATILES

QUALITY CONTROL SUMMARY

REVIEWED:

LARRY S. NARK

2B

SOIL GC/MS VOLATILE SURROGATE RECOVERY

Lab Name: GALSON LABORATORIES

Client: NYSEG

Task No.: 7360

Level: (low/med) LOW

	SAMPLE NO.	(TOL)#	(BFB)#	(DCE)#	OTHER	TOT OUT
1	METHOD BLANK	102	97	107		0
2	HOLD BLANK	100	100	108		0
3	MBS	96	99	106		0
4	QC STD #3724	100	99	113		0
5	PYVIXXXX01	100	102	115		0
6	METHOD BLANK	101	101	101		0
7	PYVIXXXX01MS	100	103	101		0
8	PYVIXXXX01MS	102	103	102		0
9						
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						
21						
22						
23						
24						
25						
26						
27						
28						
29						
30						

	QC LIMITS
(TOL) = Toluene-d8	(70-121)
(BFB) = Bromofluorobenzene	(81-117)
(DCE) = 1,2-Dichloroethane-d4	(70-121)

Column to be used to flag recovery values

* Values outside of contract required QC limits

D Surrogates diluted out

3B

GC/MS SOIL VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name:GALSON LABORATORIES

Client: NYSEG Task No.:7360

Matrix Spike - PYVIXXXX01 Level:(low/med) LOW

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC #	QC LIMITS REC.
1,1-Dichloroethene	61.00	0.00	66.00	108	59-172
Trichloroethene	61.00	0.00	59.00	97	62-137
Benzene	61.00	0.00	68.00	111	66-142
Toluene	61.00	0.00	69.00	113	59-139
Chlorobenzene	61.00	0.00	67.00	110	80-133

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
1,1-Dichloroethene	61.00	67.00	110	2	22	59-172
Trichloroethene	61.00	54.00	89	9	24	62-137
Benzene	61.00	68.00	111	0	21	66-142
Toluene	61.00	69.00	113	0	21	59-139
Chlorobenzene	61.00	65.00	107	3	21	60-133

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

* Values outside of qc limits

RPD: 0 out of 5 outside limits
Spike Recovery: 0 out of 10 outside limits

COMMENTS: _____

GC/MS SOIL VOLATILE BLANK SPIKE RECOVERY

Lab Name: GALSON LABORATORIES

Client: NYSEG

Task No.: 7360

Blank Spike

Level: (low/med) LOW

COMPOUND	SPIKE ADDED (ug/Kg)	BLANK CONCENTRATION (ug/Kg)	BS CONCENTRATION (ug/Kg)	BS % REC #	QC LIMITS REC.
1,1-Dichloroethene	50.00	0.00	48.00	96	75-125
Trichloroethene	50.00	0.00	46.00	92	75-125
Benzene	50.00	0.00	54.00	108	75-125
Toluene	50.00	0.00	51.00	102	75-125
Chlorobenzene	50.00	0.00	51.00	102	75-125

Column to be used to flag recovery values with an asterisk

* Values outside of qc limits

Spike Recovery: 0 out of 5 outside limits

COMMENTS: _____

GC/MS
QC CHECK STANDARD RECOVERY
METHOD 8240

Lab Name: GALSON LABORATORIES

Client: DAMES & MOORE

Task No.: 7360

Matrix: (soil/water) SOIL

Lab Sample ID: QC STD #3724

Sample wt/vol: 5 gm

Lab File ID: >BJ665::D1

Level: (low/med) LOW

Date Received: 00/00/00

% Moisture: not dec.:

Date Analyzed: 03/13/92

Column: (pack/cap) PACK

CAS No.	COMPOUND	SPIKE ADDED (ug/Kg)	STD CONC (ug/Kg)	% REC	%RECOVERY LIMITS
74-87-3	Chloromethane	20.	9.	45	D - 238
74-83-9	Bromomethane	20.	18.	90	50 - 145
75-01-4	Vinyl Chloride	20.	14.	70	20 - 188
75-00-3	Chloroethane	20.	19.	95	55 - 141
75-09-2	Methylene Chloride	20.	20.	100	62 - 141
67-64-1	Acetone	20.	25.	125	16 - 174
75-15-0	Carbon Disulfide	20.	17.	85	21 - 192
75-35-4	1,1-Dichloroethene	20.	16.	80	47 - 150
75-34-3	1,1-Dichloroethane	20.	19.	95	66 - 131
540-59-0	1,2-Dichloroethene (total)	40.	37.	93	76 - 134
67-66-3	Chloroform	20.	21.	105	72 - 131
107-06-2	1,2-Dichloroethane	20.	23.	115	71 - 136
78-93-3	2-Butanone	20.	17	85	41 - 137
71-55-6	1,1,1-Trichloroethane	20.	21.	105	75 - 131
56-23-6	Carbon Tetrachloride	20	20.	105	72 - 127
108-05-4	Vinyl Acetate	20.	25.	125	45 - 144
75-27-4	Bromodichloromethane	20.	21.	105	79 - 122
78-87-5	1,2-Dichloropropane	20.	20.	100	67 - 140
10061-01-5	cis-1,3-Dichloropropene	20.	20.	100	48 - 135
79-01-6	Trichloroethene	20.	20.	100	68 - 134
124-48-1	Dibromochloromethane	20.	22.	110	79 - 132
79-00-5	1,1,2-Trichloroethane	20.	22.	110	77 - 133
71-43-2	Benzene	20.	19.	95	73 - 137
10061-02-6	trans-1,3-Dichloropropene	20.	21.	105	D - 139
75-25-2	Bromoform	20.	23.	115	71 - 140
108-10-1	4-Methyl-2-Pentanone	20.	22.	110	65 - 162
591-78-6	2-Hexanone	20.	22.	110	65 - 147
127-18-4	Tetrachloroethene	20.	19.	95	65 - 134
79-34-5	1,1,2,2-Tetrachloroethane	20.	21.	105	72 - 143
108-88-3	Toluene	20.	19.	95	73 - 130
108-90-7	Chlorobenzene	20.	20.	100	76 - 130
100-41-4	Ethylbenzene	20.	20.	100	76 - 129
100-42-5	Styrene	20.	20.	100	80 - 124
1330-20-7	Xylene (total)	60.	59.	98	77 - 168

4A

GC/MS VOLATILE METHOD BLANK SUMMARY

Lab Name: GALSON LABORATORIES

Client: NYSEG

Task No.: 7360

Lab File ID: >BJ662

Lab Sample ID: VBLK1

Date Analyzed: 03/13/92

Time Analyzed: 08:47

Matrix:(soil/water) SOIL

Level: (low/med) LOW

Instrument ID: B

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

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
1	HOLD BLANK	7360-002	>BJ663	09:51
2	MBS	7360-005	>BJ664	10:56
3	QC STD #3724	7360-006	>BJ665	11:42
4	PYVIXXXX01	7360-001	>BJ666	13:17
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COMMENTS: _____

FORM IV VOA

4A

GC/MS VOLATILE METHOD BLANK SUMMARY

Lab Name: GALSON LABORATORIES

Client: NYSEG

Task No.: 7360

Lab File ID: >BJ669

Lab Sample ID: VBLK2

Date Analyzed: 03/13/92

Time Analyzed: 15:31

Matrix:(soil/water) SOIL

Level: (low/med) LOW

Instrument ID: B

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

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
1	PYVIXXXXO1MS	7360-003	>BJ670	16:49
2	PYVIXXXXO1MS	7360-004	>BJ671	17:35
3				
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COMMENTS: _____

5A

VOLATILE ORGANIC GC/MS TUNING AND MASS CALIBRATION - BROMOFLUOROBENZENE (BFB)

Lab Name: GALSON LABORATORIES

Client: DAMES & MOORE

Task No.: 7360

Lab File ID: >BJ655

BFB Injection Date: 03/13/92

Instrument ID: B (#2)

BFB Injection Time: 02:37

Matrix: (soil/water) SOIL Level: (low/med) LOW Column: (pack/cap) PACK

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% OF MASS 95	24.6
75	30.0 - 60.0% OF MASS 95	57.4
95	Base peak, 100% relative abundance	100.
96	5.0 - 9.0% of mass 95	7.9
173	Less than 2.0% of mass 174	0.9(1.0)1
174	Greater than 50.0% of mass 95	84.5
175	5.0 - 9.0% of mass 174	7.3(8.6)1
176	Greater than 95.0%, but less than 101.0% of mass 174	81.5(96.5)1
177	5.0 - 9.0% of mass 176	6.7(8.3)2

1-Value is % mass 174 2-Value is % mass 176

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

	SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	50 PPB STD	VSTD50	>BJ656	03/13/92	03:32
02	20 PPB STD	VSTD20	>BJ657	03/13/92	04:18
03	100 PPB STD	VSTD100	>BJ658	03/13/92	05:03
04	150 PPB STD	VSTD150	>BJ659	03/13/92	05:49
05	200 PPB STD	VSTD200	>BJ660	03/13/92	06:34
06	METHOD BLANK	VBLK1	>BJ662	03/13/92	08:47
07	HOLD BLANK	7360-002	>BJ663	03/13/92	09:51
08	MBS	7360-005	>BJ664	03/13/92	10:56
09	QC STD #3724	7360-006	>BJ665	03/13/92	11:42
10	PYVIXXXX01	7360-001	>BJ666	03/13/92	13:17
11					
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22					

5A

VOLATILE ORGANIC GC/MS TUNING AND MASS CALIBRATION - BROMOFLUOROBENZENE (BFB)

b Name: GALSON LABORATORIES

Client: DAMES & MOORE

Task No.: 7360

Lab File ID: >BJ667

BFB Injection Date: 03/13/92

Instrument ID: B (#2)

BFB Injection Time: 14:04

Matrix: (soil/water) SOIL Level: (low/med) LOW Column: (pack/cap) PACK

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% OF MASS 95	23.5
75	30.0 - 60.0% OF MASS 95	56.9
95	Base peak, 100% relative abundance	100.
96	5.0 - 9.0% of mass 95	8.5
173	Less than 2.0% of mass 174	0.0(0.0)1
174	Greater than 50.0% of mass 95	86.0
175	5.0 - 9.0% of mass 174	5.0(5.8)1
176	Greater than 95.0%, but less than 101.0% of mass 174	83.7(97.3)1
177	5.0 - 9.0% of mass 176	5.5(6.5)2

1-Value is % mass 174 2-Value is % mass 176

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

	SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	50 PPB STD	VSTD50	>BJ668	03/13/92	14:30
02	METHOD BLANK	VBLK2	>BJ669	03/13/92	15:31
03	PYVIXXXX01MS	7360-002	>BJ670	03/13/92	16:49
04	PYVIXXXX01MS	7360-003	>BJ671	03/13/92	17:35
05					
06					
07					
08					
09					
10					
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17					
18					
19					
20					
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22					

GC/MS

VOLATILES

SAMPLE DATA

REVIEWED:

LARRY S. NARK

GC/MS VOLATILE ORGANICS ANALYSIS DATA SHEET
PAGE 1

SAMPLE

PYVIXXXX01

Lab Name: GALSON LABORATORIES

Client: NYSEG

Task No.: 7360

Matrix: (soil/water) SOIL

Lab Sample ID: 7360-001

Sample wt/vol: 5 g

Lab File ID: >BJ666::D4

Level: (low/med) LOW

Date Received: 03/07/92

% Moisture: not dec.: 18

Date Analyzed: 03/13/92

Column: (pack/cap) PACK

Dilution Factor: 1.00

CAS No.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
74-87-3	Chloromethane	12.	U
74-83-9	Bromomethane	12.	U
75-01-4	Vinyl Chloride	12.	U
75-00-3	Chloroethane	12.	U
75-09-2	Methylene Chloride	6.	U
67-64-1	Acetone	8.	J
75-15-0	Carbon Disulfide	6.	U
75-35-4	1,1-Dichloroethene	6.	U
75-34-3	1,1-Dichloroethane	6.	U
540-59-0	1,2-Dichloroethene (total)	6.	U
67-66-3	Chloroform	6.	U
107-06-2	1,2-Dichloroethane	6.	U
78-93-3	2-Butanone	12.	U
71-55-6	1,1,1-Trichloroethane	6.	U
56-23-6	Carbon Tetrachloride	6.	U
108-05-4	Vinyl Acetate	12.	U
75-27-4	Bromodichloromethane	6.	U
78-87-5	1,2-Dichloropropane	6.	U
10061-01-5	cis-1,3-Dichloropropene	6.	U
79-01-6	Trichloroethene	6.	U
124-48-1	Dibromochloromethane	6.	U
79-00-5	1,1,2-Trichloroethane	6.	U
71-43-2	Benzene	6.	U
10061-02-6	trans-1,3-Dichloropropene	6.	U
75-25-2	Bromoform	6.	U
108-10-1	4-Methyl-2-Pentanone	12.	U
591-78-6	2-Hexanone	12.	U
127-18-4	Tetrachloroethene	6.	U
79-34-5	1,1,2,2-Tetrachloroethane	6.	U
108-88-3	Toluene	6.	U
108-90-7	Chlorobenzene	6.	U
100-41-4	Ethylbenzene	6.	U
100-42-5	Styrene	6.	U
1330-20-7	Xylene (total)	6.	U

1E

GC/MS VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

SAMPLE
PYVIXXXX01

Lab Name: GALSON LABORATORIES

Client: NYSEG

Task No.: 7360

Matrix: (soil/water) SOIL

Lab Sample ID: 7360-001

Sample wt/vol: 5 g

Lab File ID: >BJ666::D4

Level: (low/med) LOW

Date Received: 03/07/92

% Moisture: not dec.: 18

Date Analyzed: 03/13/92

Column: PACK

Dilution Factor: 1.00

Number TICs Found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/Kg

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		No volatiles found			
2.					
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					
11.					
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13.					
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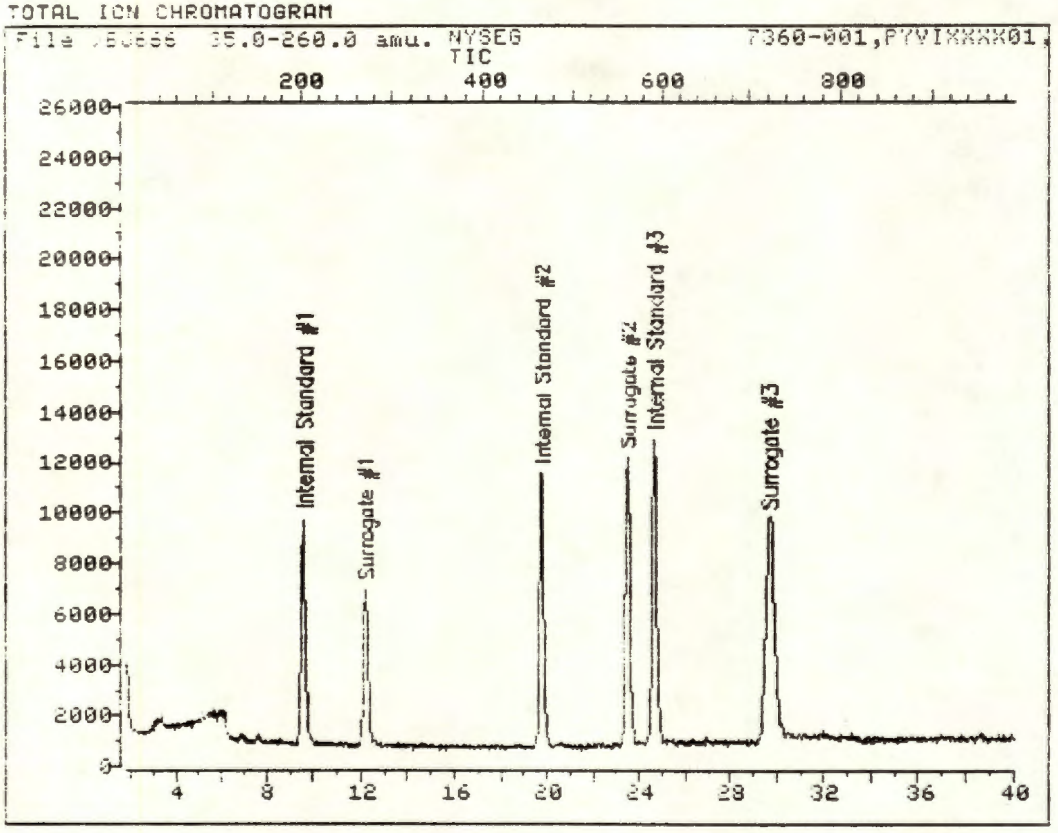
29.					
30.					

TOTAL ION CHROMATOGRAM



Data File: >BJ666::D4 Quant Output File: ^BJ666::D4
Name: NYSEG Instrument ID: MS_B
Misc: 7360-001,PYVIXXXX01,SOIL,5,18

Id File: BHSLS::SC
Title: CLP protocol-5pt calibration, GC/MS B(#2) BHSLS
Last Calibration: 920313 07:25 Last Qcal Time: 920313 03:32

Operator ID: LARRY
Quant Time : 920313 14:00
Injected at: 920313 13:17

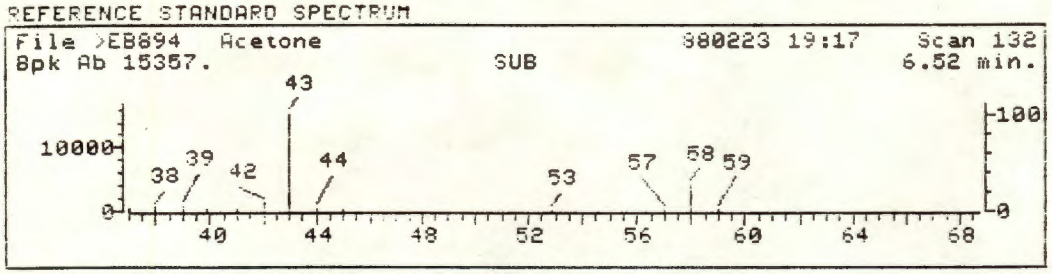
Operator ID: LARRY Quant Rev: 7 Quant Time: 920313 14:00
Output File: ^BJ666::D4 Injected at: 920313 13:17
ata File: >BJ666::D4 Dilution Factor: 1.00000
Name: NYSEG Instrument ID: MS_B
Misc: 7360-001,PYVIXXXX01,SOIL,5,18

ID File: BHSLS::SC
Title: CLP protocol-5pt calibration, GC/MS B(#2) BHSLS
Last Calibration: 920313 07:25 Last Qcal Time: 920313 03:32

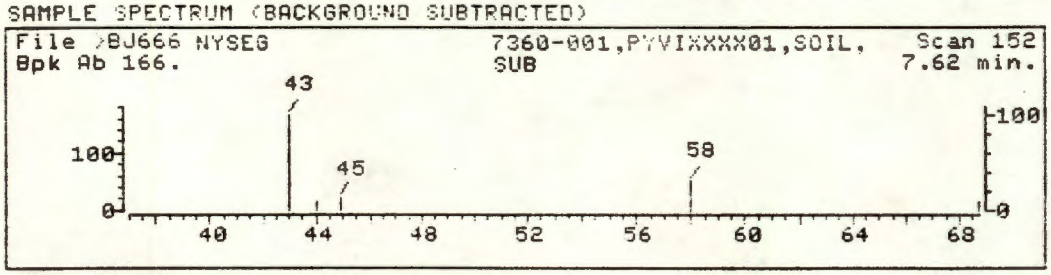
	Compound		R.T.	Scan#	Area	Conc	Units	q
1)	*Bromochloromethane		9.59	203	14475	50.00	UG/KG	96
7)	Acetone		7.62	152	1962	6.62	UG/KG	89
13)	1,2-Dichloroethane-d4	(Surr)	12.19	270	31664	57.41	UG/KG	89
16)	*1,4-Difluorobenzene		19.77	466	52650	50.00	UG/KG	89
29)	*Chlorobenzene-d5		24.65	592	47875	50.00	UG/KG	90
35)	Toluene-d8	(Surr)	23.49	562	51545	49.89	UG/KG	94
40)	Bromofluorobenzene	(Surr)	29.68	722	44186	50.94	UG/KG	95

* Compound is ISTD

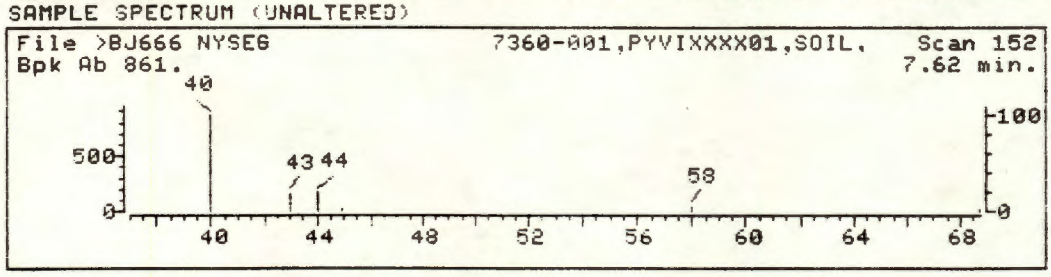
REFERENCE STANDARD SPECTRUM



SAMPLE SPECTRUM (BACKGROUND SUBTRACTED)



SAMPLE SPECTRUM (UNALTERED)



Data File: >BJ666::D4 Quant Output File: ^BJ666::D4
Name: NYSEG Instrument ID: MS_B
Misc: 7360-001,PYVIXXXX01,SOIL,5,18
Quant Time: 920313 14:00 Quant ID File: BHSLS::SC
Injected at: 920313 13:17 Last Calibration: 920313 07:25
Last Qcal Time: 920313 03:32

Compound No : 7
Compound Name : Acetone
Scan Number : 152
Retention Time: 7.62 min.
Quant Ion : 43.0
Area : 1962
Concentration : 6.62 UG/KG
q-value : 89

GC/MS VOLATILE ORGANICS ANALYSIS DATA SHEET
PAGE 1

SAMPLE

| HOLD BLANK |

Lab Name: GALSON LABORATORIES

Client: NYSEG

Task No.: 7360

Matrix: (soil/water) SOIL

Lab Sample ID: 7360-002

Sample wt/vol: 5 g

Lab File ID: >BJ663::D4

Level: (low/med) LOW

Date Received: 03/07/92

% Moisture: not dec.:

Date Analyzed: 03/13/92

Column: (pack/cap) PACK

Dilution Factor: 1.00

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-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
56-23-6	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

SAMPLE

HOLD BLANK

GC/MS VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: GALSON LABORATORIES

Client: NYSEG

Task No.: 7360

Matrix: (soil/water) SOIL

Lab Sample ID: 7360-002

Sample wt/vol: 5 g

Lab File ID: >BJ663::D4

Level: (low/med) LOW

Date Received: 03/07/92

% Moisture: not dec.:

Date Analyzed: 03/13/92

Column: PACK

Dilution Factor: 1.00

Number TICs Found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/Kg

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		No volatiles found			
2.					
3.					
4.					
5.					
6.					
7.					
8.					
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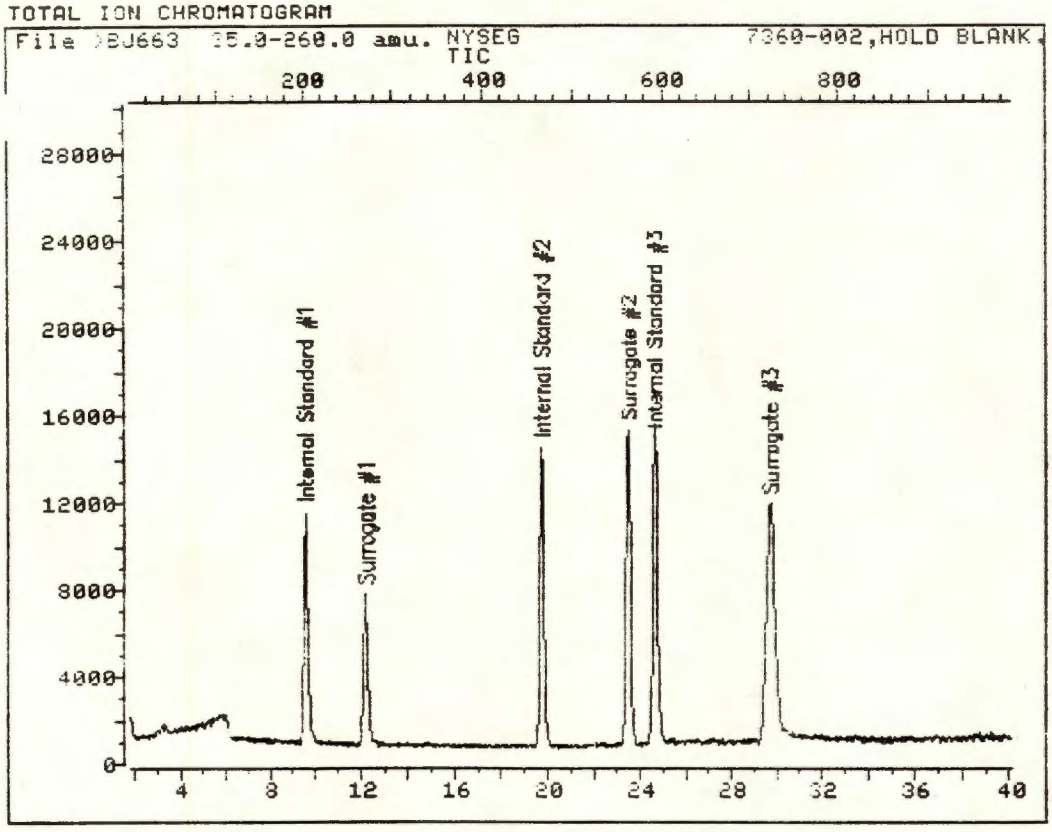
30.					

TOTAL ION CHROMATOGRAM



Data File: >BJ663::D4 Quant Output File: ^BJ663::D4
Name: NYSEG Instrument ID: MS_B
Misc: 7360-002,HOLD BLANK,WATER,5

Id File: BHSLS::SC
Title: CLP protocol-5pt calibration, GC/MS B(#2) BHSLS
Last Calibration: 920313 07:25 Last Qcal Time: 920313 03:32

Operator ID: LARRY
Quant Time : 920313 10:41
Injected at: 920313 09:51

Operator ID: LARRY Quant Rev: 7 Quant Time: 920313 10:41
Output File: ^BJ663::D4 Injected at: 920313 09:51
Data File: >BJ663::D4 Dilution Factor: 1.00000
Name: NYSEG Instrument ID: MS_B
Misc: 7360-002,HOLD BLANK,WATER,5

ID File: BHSLS::SC
Title: CLP protocol-5pt calibration, GC/MS B(#2) BHSLS
Last Calibration: 920313 07:25 Last Qcal Time: 920313 03:32

	Compound		R.T.	Scan#	Area	Conc	Units	q
1)	*Bromochloromethane		9.57	202	17280	50.00	UG/KG	94
13)	1,2-Dichloroethane-d4	(Surr)	12.20	270	35466	53.86	UG/KG	95
16)	*1,4-Difluorobenzene		19.74	465	66333	50.00	UG/KG	93
29)	*Chlorobenzene-d5		24.62	591	60429	50.00	UG/KG	95
35)	Toluene-d8	(Surr)	23.50	562	65380	50.14	UG/KG	95
40)	Bromofluorobenzene	(Surr)	29.69	722	54473	49.75	UG/KG	88

* Compound is ISTD

GC/MS

VOLATILES

STANDARDS DATA

REVIEWED:

LARRY S. NARK

6A

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: GALSON LABORATORIES

Client: NYSEG Task No.: 7360

Instrument ID: B (#2) Calibration Date(s): 03/13/92

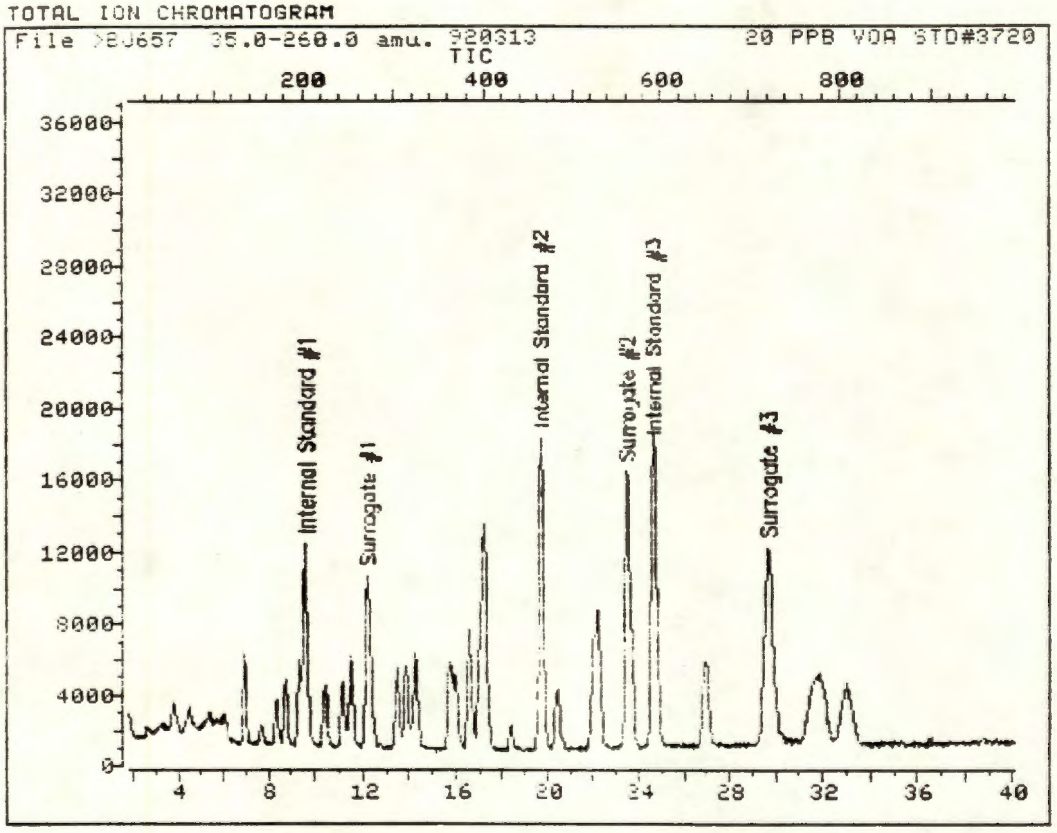
Matrix: (soil/water) SOIL Level: (low/med) LOW Column: (pack/cap) PACK

Min $\overline{RRF}$ for SPCC(#) = 0.300 (0.250 for Bromoform) Max %RSD for CCC(*) = 30.0%

LAB FILE ID: RRF20 =>BJ657 RRF50 =>BJ656
RRF100=>BJ658 RRF150=>BJ659 RRF200=>BJ660

COMPOUND	RRF20	RRF50	RRF100	RRF150	RRF200	$\overline{RRF}$	% RSD
Chloromethane #	.659	.660	.537	.532	.548	.587	11.3#
Bromomethane	1.143	.971	.852	.828	.727	.904	17.6
Vinyl_Chloride *	.748	.655	.604	.625	.610	.648	9.1*
Chloroethane	.607	.560	.495	.513	.510	.537	8.6
Methylene_Chloride	1.503	1.434	1.286	1.285	1.392	1.380	6.9
Acetone	1.380	1.024	1.027	1.162	1.382	1.195	15.0
Carbon_Disulfide	3.153	3.029	2.652	2.830	2.726	2.878	7.3
1,1-Dichloroethene *	1.248	1.226	1.016	1.080	1.020	1.118	10.0*
1,1-Dichloroethane #	2.754	2.710	2.491	2.535	2.542	2.606	4.5#
1,2-Dichloroethene_(total)	1.214	1.406	1.166	1.276	1.201	1.253	7.5
Chloroform *	3.304	3.152	2.918	2.977	2.986	3.067	5.2*
1,2-Dichloroethane	2.320	2.371	2.402	2.403	2.574	2.414	4.0
2-Butanone	.241	.219	.259	.268	.350	.267	18.7
1,1,1-Trichloroethane	.637	.679	.651	.668	.656	.658	2.5
Carbon_Tetrachloride	.625	.631	.606	.607	.608	.615	1.9
Vinyl_Acetate	.103	.138	.137	.105	.109	.118	14.9
Bromodichloromethane	.839	.878	.869	.886	.943	.883	4.3
1,2-Dichloropropane *	.432	.428	.402	.407	.451	.424	4.7*
cis-1,3-Dichloropropene	.631	.686	.639	.682	.733	.674	6.1
Trichloroethene	.520	.526	.506	.530	.623	.541	8.7
Dibromochloromethane	.781	.791	.781	.765	.892	.802	6.4
1,1,2-Trichloroethane	.440	.434	.429	.404	.482	.438	6.5
Benzene	.906	.975	.878	.896	.953	.921	4.4
trans-1,3-Dichloropropene	.420	.478	.467	.506	.554	.485	10.2
Bromoform #	.611	.637	.660	.680	.807	.679	11.2#
4-Methyl-2-pentanone	.837	.740	.827	.763	1.028	.839	13.5
2-Hexanone	.837	.639	.679	.709	.912	.755	15.2
Tetrachloroethene	.422	.465	.376	.388	.389	.408	8.8
1,1,2,2-Tetrachloroethane #	.584	.685	.576	.522	.491	.571	13.0#
Toluene *	.675	.720	.636	.642	.655	.666	5.1*
Chlorobenzene #	.966	.998	.856	.860	.921	.920	6.9#
Ethylbenzene *	.389	.456	.402	.412	.413	.414	6.1*
Styrene	.979	1.026	.948	.936	1.019	.982	4.1
Xylene_(total)	.574	.587	.536	.529	.566	.558	4.4
Toluene-d8	1.092	1.079	1.107	1.089	1.057	1.085	1.7
romofluorobenzene	.873	.906	.934	.913	.909	.907	2.4
1,2-Dichloroethane-d4	2.038	1.905	2.288	2.356	2.519	2.221	11.1

TOTAL ION CHROMATOGRAM



Data File: >BJ657::D3 Quant Output File: ^BJ657::QT
Name: 920313 Instrument ID: MS_B
Misc: 20 PPB VOA STD#3720

Id File: BHSLS::SC
Title: CLP protocol-5pt calibration, GC/MS B(#2) BHSLS
Last Calibration: 920220 19:53 Last Qcal Time: 920220 17:20

Operator ID: LARRY
Quant Time : 920313 04:59
Injected at: 920313 04:18

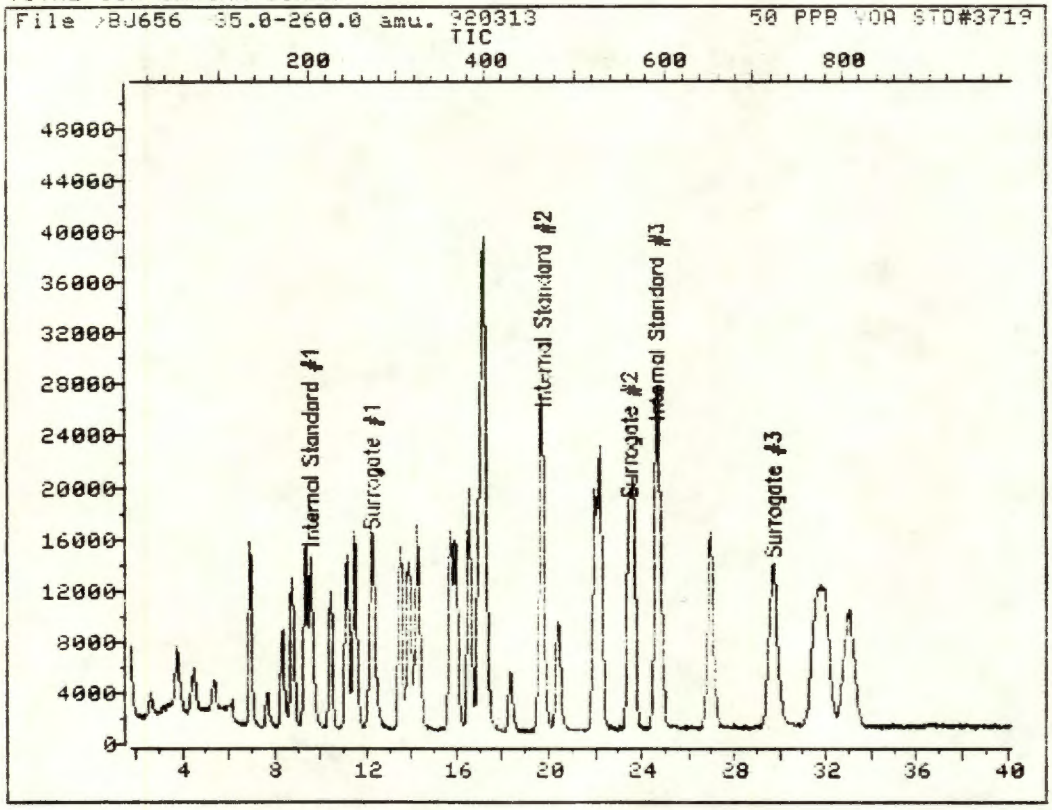
perator ID: LARRY Quant Rev: 7 Quant Time: 920313 04:59
Output File: ^BJ657::QT Injected at: 920313 04:18
Data File: >BJ657::D3 Dilution Factor: 1.00000
Name: 920313 Instrument ID: MS_B
Misc: 20 PPB VOA STD#3720

ID File: BHSLS::SC
Title: CLP protocol-5pt calibration, GC/MS B(#2) BHSLS
Last Calibration: 920220 19:53 Last Qcal Time: 920220 17:20

	Compound	R.T.	Scan#	Area	Conc	Units	q
1)	*Bromochloromethane	9.60	203	18448	50.00	UG/KG	94
2)	Chloromethane	2.64	23	4860	19.90	UG/KG	90
3)	Bromomethane	3.76	52	8434	18.32	UG/KG	81
4)	Vinyl Chloride	4.50	71	5523	20.07	UG/KG	98
5)	Chloroethane	5.35	93	4479	19.12	UG/KG	98
6)	Methylene Chloride	6.93	134	11092	24.53	UG/KG	89
7)	Acetone	7.71	154	10186	30.49	UG/KG	96
8)	Carbon Disulfide	8.33	170	23268	23.57	UG/KG	100
9)	1,1-Dichloroethene	9.33	196	9210	21.78	UG/KG	90
10)	1,1-Dichloroethane	10.42	224	20319	19.59	UG/KG	91
11)	1,2-Dichloroethene (total)	11.15	243	8960	19.09	UG/KG	86
12)	Chloroform	11.50	252	24379	19.26	UG/KG	91
13)	1,2-Dichloroethane-d4 (Surr)	12.20	270	37601	42.49	UG/KG	95
14)	1,2-Dichloroethane	12.28	272	17118	16.72	UG/KG	98
15)	2-Butanone	12.39	275	1779	27.38	UG/KG	93
16)	*1,4-Difluorobenzene	19.71	464	68385	50.00	UG/KG	90
17)	1,1,1-Trichloroethane	13.51	304	17420	16.53	UG/KG	93
18)	Carbon Tetrachloride	13.86	313	17098	17.18	UG/KG	99
19)	Vinyl Acetate	14.17	321	2803	13.40	UG/KG	100
20)	Bromodichloromethane	14.29	324	22940	17.09	UG/KG	93
21)	1,2-Dichloropropane	15.76	362	11819	19.97	UG/KG	90
22)	cis-1,3-Dichloropropene	15.99	368	17271	17.06	UG/KG	93
23)	Trichloroethene	16.57	383	14216	22.56	UG/KG	93
24)	Dibromochloromethane	17.00	394	21356	18.87	UG/KG	93
25)	1,1,2-Trichloroethane	17.19	399	12035	20.41	UG/KG	98
26)	Benzene	17.19	399	24770	19.23	UG/KG	80
27)	trans-1,3-Dichloropropene	17.27	401	11499	14.80	UG/KG	96
28)	Bromoform	19.67	463	16711	18.76	UG/KG	96
29)	*Chlorobenzene-d5	24.62	591	62468	50.00	UG/KG	96
30)	4-Methyl-2-Pentanone	20.40	482	20912	27.56	UG/KG	93
31)	2-Hexanone	21.99	523	20905	29.71	UG/KG	88
32)	Tetrachloroethene	22.22	529	10554	19.03	UG/KG	95
33)	1,1,2,2-Tetrachloroethane	21.99	523	14588	16.85	UG/KG	80
34)	Toluene	23.66	566	16871	18.99	UG/KG	92
35)	Toluene-d8 (Surr)	23.46	561	68227	47.81	UG/KG	97
36)	Chlorobenzene	24.78	595	24136	19.31	UG/KG	92
37)	Ethylbenzene	26.95	651	9721	16.30	UG/KG	99
38)	Styrene	31.59	771	24470	17.35	UG/KG	74
39)	Xylene (total)	32.02	782	28672M	35.62	UG/KG	93
40)	Bromofluorobenzene (Surr)	29.69	722	54507	43.50	UG/KG	94

* Compound is ISTD

TOTAL ION CHROMATOGRAM



Data File: >BJ656::D3 Quant Output File: ^BJ656::QT
Name: 920313 Instrument ID: MS_B
Misc: 50 PPB VOA STD#3719

Id File: BHSLS::SC
Title: CLP protocol-5pt calibration, GC/MS B(#2) BHSLS
Last Calibration: 920220 19:53 Last Qcal Time: 920220 17:20

Operator ID: LARRY
Quant Time : 920313 04:13
Injected at: 920313 03:32

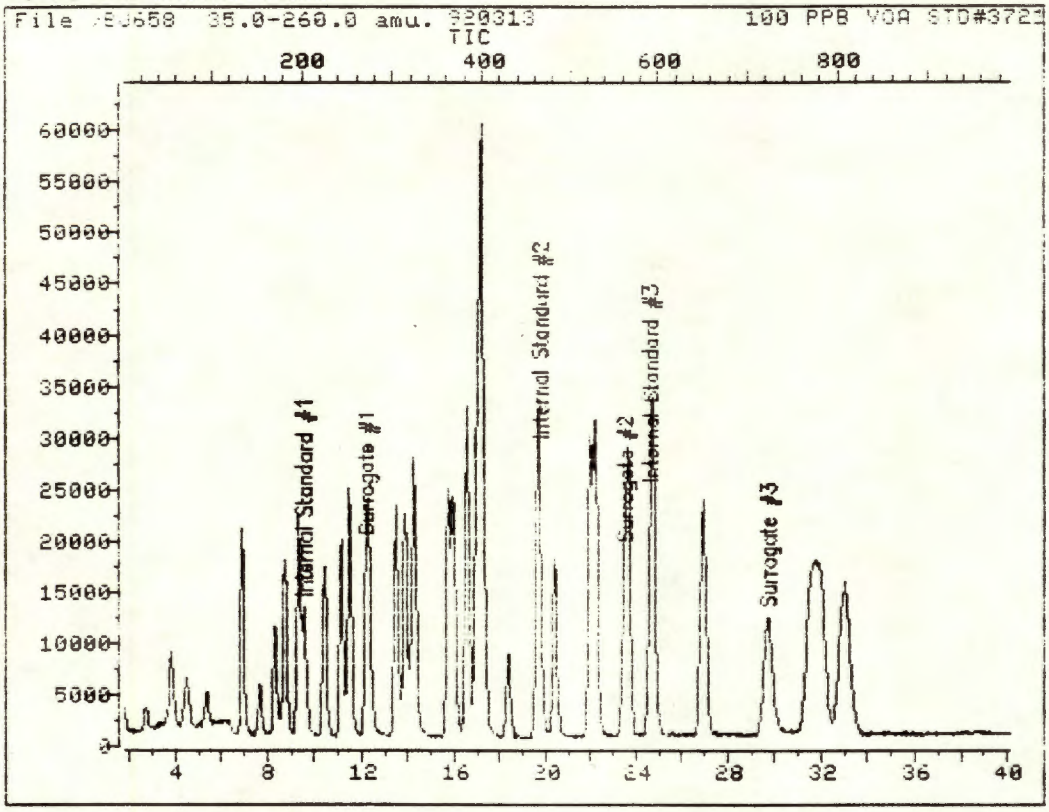
Operator ID: LARRY Quant Rev: 7 Quant Time: 920313 04:13
utput File: ^BJ656::QT Injected at: 920313 03:32
Data File: >BJ656::D3 Dilution Factor: 1.00000
Name: 920313 Instrument ID: MS_B
Misc: 50 PPB VOA STD#3719

ID File: BHSLS::SC
Title: CLP protocol-5pt calibration, GC/MS B(#2) BHSLS
Last Calibration: 920220 19:53 Last Qcal Time: 920220 17:20

	Compound	R.T.	Scan#	Area	Conc	Units	q
1)	*Bromochloromethane	9.56	202	22170	50.00	UG/KG	98
2)	Chloromethane	2.63	23	14633	49.85	UG/KG	94
3)	Bromomethane	3.79	53	21524	38.90	UG/KG	96
4)	Vinyl Chloride	4.49	71	14512	43.88	UG/KG	97
5)	Chloroethane	5.34	93	12414	44.09	UG/KG	92
6)	Methylene Chloride	6.93	134	31785	58.49	UG/KG	91
7)	Acetone	7.67	153	22693	56.52	UG/KG	99
8)	Carbon Disulfide	8.32	170	67158	56.61	UG/KG	100
9)	1,1-Dichloroethene	9.37	197	27169	53.47	UG/KG	90
10)	1,1-Dichloroethane	10.41	224	60088	48.21	UG/KG	91
11)	1,2-Dichloroethene (total)	11.15	243	31177	55.28	UG/KG	92
12)	Chloroform	11.50	252	69885	45.95	UG/KG	95
13)	1,2-Dichloroethane-d4 (Surr)	12.19	270	42239	39.72	UG/KG	97
14)	1,2-Dichloroethane	12.27	272	52568	42.73	UG/KG	99
15)	2-Butanone	12.39	275	4851	62.12	UG/KG	97
16)	*1,4-Difluorobenzene	19.74	465	79913	50.00	UG/KG	91
17)	1,1,1-Trichloroethane	13.51	304	54274	44.08	UG/KG	93
18)	Carbon Tetrachloride	13.86	313	50390	43.32	UG/KG	87
19)	Vinyl Acetate	14.17	321	11023	45.10	UG/KG	100
20)	Bromodichloromethane	14.29	324	70147	44.72	UG/KG	92
21)	1,2-Dichloropropane	15.72	361	34215	49.46	UG/KG	91
22)	cis-1,3-Dichloropropene	15.95	367	54857	46.36	UG/KG	94
23)	Trichloroethene	16.57	383	42019	57.07	UG/KG	97
24)	Dibromochloromethane	17.00	394	63189	47.77	UG/KG	99
25)	1,1,2-Trichloroethane	17.19	399	34708	50.37	UG/KG	98
26)	Benzene	17.19	399	77884	51.74	UG/KG	78
27)	trans-1,3-Dichloropropene	17.23	400	38211	42.07	UG/KG	96
28)	Bromoform	19.63	462	50938	48.92	UG/KG	98
29)	*Chlorobenzene-d5	24.62	591	69702	50.00	UG/KG	95
30)	4-Methyl-2-Pentanone	20.40	482	51615	60.97	UG/KG	89
31)	2-Hexanone	21.99	523	44540	56.73	UG/KG	89
32)	Tetrachloroethene	22.18	528	32385	52.32	UG/KG	98
33)	1,1,2,2-Tetrachloroethane	21.99	523	47740	49.43	UG/KG	83
34)	Toluene	23.65	566	50180	50.62	UG/KG	97
35)	Toluene-d8 (Surr)	23.46	561	75209	47.23	UG/KG	92
36)	Chlorobenzene	24.74	594	69594	49.89	UG/KG	97
37)	Ethylbenzene	26.94	651	31785	47.76	UG/KG	98
38)	Styrene	31.55	770	71514	45.43	UG/KG	69
39)	Xylene (total)	33.02	808	81836M	91.13	UG/KG	98
40)	Bromofluorobenzene (Surr)	29.69	722	63146	45.17	UG/KG	80

* Compound is ISTD

TOTAL ION CHROMATOGRAM



Data File: >BJ658::D3 Quant Output File: ^BJ658::QT
Name: 920313 Instrument ID: MS_B
Misc: 100 PPB VOA STD#3721

Id File: BHSLS::SC
Title: CLP protocol-5pt calibration, GC/MS B(#2) BHSLS
Last Calibration: 920220 19:53 Last Qcal Time: 920220 17:20

Operator ID: LARRY
Quant Time : 920313 05:44
Injected at: 920313 05:03

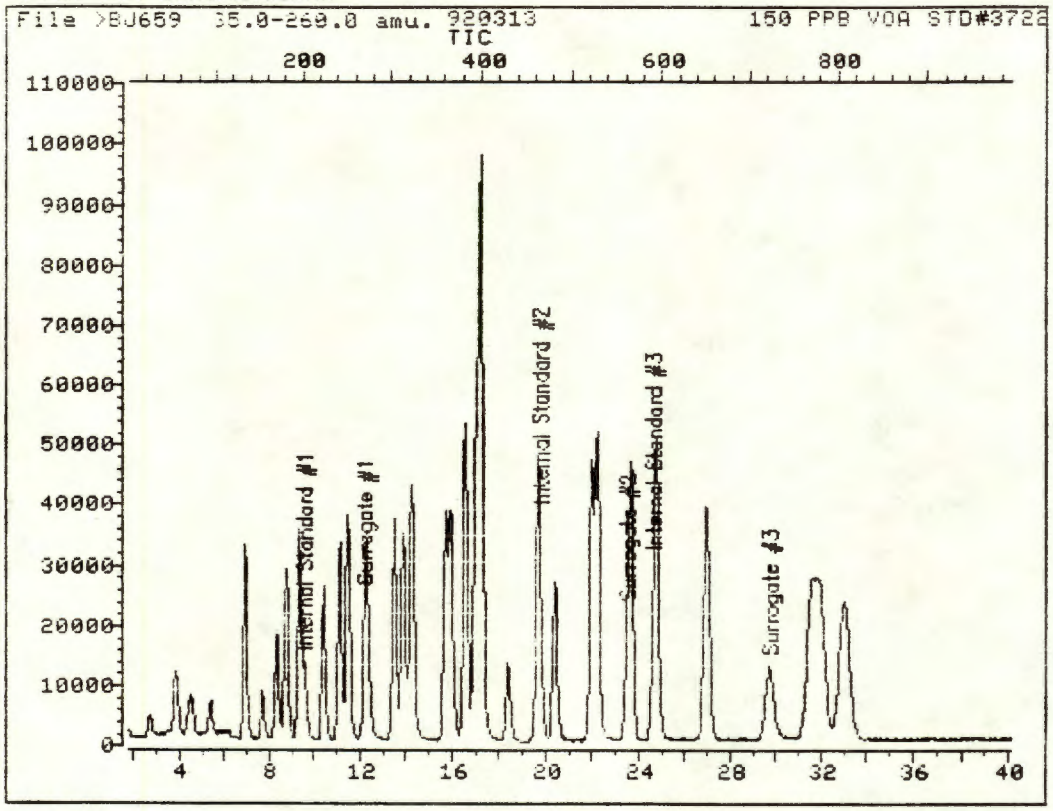
Operator ID: LARRY Quant Rev: 7 Quant Time: 920313 05:44
utput File: ^BJ658::QT Injected at: 920313 05:03
Data File: >BJ658::D3 Dilution Factor: 1.00000
Name: 920313 Instrument ID: MS_B
Misc: 100 PPB VOA STD#3721

ID File: BHSLS::SC
Title: CLP protocol-5pt calibration, GC/MS B(#2) BHSLS
Last Calibration: 920220 19:53 Last Qcal Time: 920220 17:20

	Compound		R.T.	Scan#	Area	Conc	Units	q
1)	*Bromochloromethane		9.56	202	18492	50.00	UG/KG	93
2)	Chloromethane		2.70	25	19866	81.14	UG/KG	90
3)	Bromomethane		3.82	54	31503	68.25	UG/KG	96
4)	Vinyl Chloride		4.52	72	22321	80.92	UG/KG	96
5)	Chloroethane		5.34	93	18297	77.91	UG/KG	98
6)	Methylene Chloride		6.92	134	47554	104.90	UG/KG	90
7)	Acetone		7.66	153	37993	113.44	UG/KG	97
8)	Carbon Disulfide		8.32	170	98070	99.11	UG/KG	100
9)	1,1-Dichloroethene		9.36	197	37591	88.69	UG/KG	93
10)	1,1-Dichloroethane		10.41	224	92123	88.60	UG/KG	92
11)	1,2-Dichloroethene (total)		11.14	243	43134	91.70	UG/KG	90
12)	Chloroform		11.49	252	107924	85.07	UG/KG	93
13)	1,2-Dichloroethane-d4	(Surr)	12.19	270	42316	47.71	UG/KG	94
14)	1,2-Dichloroethane		12.27	272	88834	86.57	UG/KG	95
15)	2-Butanone		12.38	275	9578	147.05	UG/KG	99
16)	*1,4-Difluorobenzene		19.74	465	65683	50.00	UG/KG	90
17)	1,1,1-Trichloroethane		13.50	304	85524	84.51	UG/KG	90
18)	Carbon Tetrachloride		13.89	314	79624	83.29	UG/KG	90
19)	Vinyl Acetate		14.16	321	18059	89.89	UG/KG	100
20)	Bromodichloromethane		14.28	324	114162	88.55	UG/KG	96
21)	1,2-Dichloropropane		15.75	362	52799	92.87	UG/KG	94
22)	cis-1,3-Dichloropropene		15.94	367	83910	86.27	UG/KG	96
23)	Trichloroethene		16.56	383	66416	109.75	UG/KG	93
24)	Dibromochloromethane		16.95	393	102593	94.36	UG/KG	99
25)	1,1,2-Trichloroethane		17.14	398	56359	99.51	UG/KG	94
26)	Benzene		17.22	400	115405	93.27	UG/KG	72
27)	trans-1,3-Dichloropropene		17.22	400	61361	82.20	UG/KG	95
28)	Bromoform		19.66	463	86684	101.30	UG/KG	99
29)	*Chlorobenzene-d5		24.62	591	58826	50.00	UG/KG	96
30)	4-Methyl-2-Pentanone		20.40	482	97343	136.25	UG/KG	91
31)	2-Hexanone		21.98	523	79858	120.53	UG/KG	87
32)	Tetrachloroethene		22.22	529	44255	84.72	UG/KG	97
33)	1,1,2,2-Tetrachloroethane		21.98	523	67753	83.13	UG/KG	81
34)	Toluene		23.65	566	74841	89.45	UG/KG	98
35)	Toluene-d8	(Surr)	23.49	562	65137	48.47	UG/KG	98
36)	Chlorobenzene		24.73	594	100697	85.54	UG/KG	91
37)	Ethylbenzene		26.94	651	47290	84.20	UG/KG	97
38)	Styrene		31.59	771	111522	83.95	UG/KG	71
39)	Xylene (total)		33.02	808	126211M	166.52	UG/KG	97
40)	Bromofluorobenzene	(Surr)	29.69	722	54934	46.56	UG/KG	89

* Compound is ISTD

TOTAL ION CHROMATOGRAM



Data File: >BJ659::D3 Quant Output File: ^BJ659::QT
Name: 920313 Instrument ID: MS_B
Misc: 150 PPB VOA STD#3722

Id File: BHSLS::SC
Title: CLP protocol-5pt calibration, GC/MS B(#2) BHSLS
Last Calibration: 920220 19:53 Last Qcal Time: 920220 17:20

Operator ID: LARRY
Quant Time : 920313 06:30
Injected at: 920313 05:49

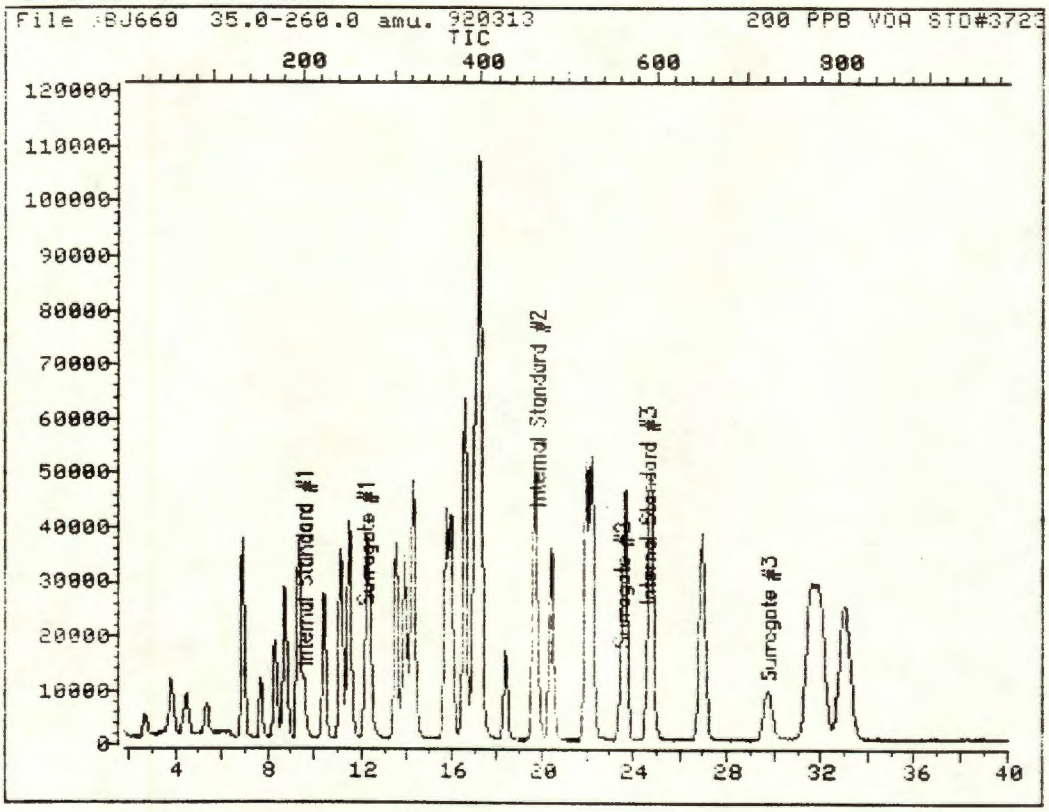
Operator ID: LARRY Quant Rev: 7 Quant Time: 920313 06:30
utput File: ^BJ659::QT Injected at: 920313 05:49
Data File: >BJ659::D3 Dilution Factor: 1.00000
Name: 920313 Instrument ID: MS_B
Misc: 150 PPB VOA STD#3722

ID File: BHSLS::SC
Title: CLP protocol-5pt calibration, GC/MS B(#2) BHSLS
Last Calibration: 920220 19:53 Last Qcal Time: 920220 17:20

	Compound	R.T.	Scan#	Area	Conc	Units	q
1)	*Bromochloromethane	9.55	202	18789	50.00	UG/KG	95
2)	Chloromethane	2.70	25	29981	120.52	UG/KG	95
3)	Bromomethane	3.82	54	46662	99.50	UG/KG	92
4)	Vinyl Chloride	4.52	72	35234	125.72	UG/KG	94
5)	Chloroethane	5.37	94	28914	121.17	UG/KG	98
6)	Methylene Chloride	6.92	134	72455	157.31	UG/KG	91
7)	Acetone	7.69	154	65485	192.44	UG/KG	92
8)	Carbon Disulfide	8.31	170	159500	158.64	UG/KG	100
9)	1,1-Dichloroethene	9.36	197	60878	141.36	UG/KG	92
10)	1,1-Dichloroethane	10.40	224	142886	135.26	UG/KG	95
11)	1,2-Dichloroethene (total)	11.14	243	71909	150.45	UG/KG	90
12)	Chloroform	11.48	252	167789	130.17	UG/KG	95
13)	1,2-Dichloroethane-d4 (Surr)	12.18	270	44270	49.12	UG/KG	92
14)	1,2-Dichloroethane	12.26	272	135426	129.89	UG/KG	96
15)	2-Butanone	12.34	274	15105	228.25	UG/KG	99
16)	*1,4-Difluorobenzene	19.73	465	68863	50.00	UG/KG	91
17)	1,1,1-Trichloroethane	13.50	304	138036	130.10	UG/KG	92
18)	Carbon Tetrachloride	13.89	314	125362	125.08	UG/KG	85
19)	Vinyl Acetate	14.12	320	21795M	103.47	UG/KG	100
20)	Bromodichloromethane	14.27	324	182972	135.37	UG/KG	93
21)	1,2-Dichloropropane	15.74	362	83993	140.91	UG/KG	93
22)	cis-1,3-Dichloropropene	15.94	367	140846	138.12	UG/KG	94
23)	Trichloroethene	16.56	383	109444	172.50	UG/KG	90
24)	Dibromochloromethane	16.98	394	157985	138.59	UG/KG	98
25)	1,1,2-Trichloroethane	17.14	398	83415	140.48	UG/KG	96
26)	Benzene	17.18	399	185043	142.65	UG/KG	73
27)	trans-1,3-Dichloropropene	17.22	400	104490	133.51	UG/KG	98
28)	Bromoform	19.66	463	140548	156.65	UG/KG	96
29)	*Chlorobenzene-d5	24.61	591	65057	50.00	UG/KG	93
30)	4-Methyl-2-Pentanone	20.39	482	148940	188.51	UG/KG	90
31)	2-Hexanone	21.94	522	138447	188.94	UG/KG	88
32)	Tetrachloroethene	22.21	529	75808	131.22	UG/KG	96
33)	1,1,2,2-Tetrachloroethane	21.98	523	101850	112.99	UG/KG	87
34)	Toluene	23.64	566	125270	135.38	UG/KG	93
35)	Toluene-d8 (Surr)	23.49	562	70827	47.66	UG/KG	96
36)	Chlorobenzene	24.73	594	167909	128.98	UG/KG	93
37)	Ethylbenzene	26.97	652	80461	129.54	UG/KG	99
38)	Styrene	31.54	770	182619	124.31	UG/KG	70
39)	Xylene (total)	31.97	781	206465M	246.32	UG/KG	97
40)	Bromofluorobenzene (Surr)	29.72	723	59403	45.52	UG/KG	89

* Compound is ISTD

TOTAL ION CHROMATOGRAM



Data File: >BJ660::D3 Quant Output File: ^BJ660::QT
Name: 920313 Instrument ID: MS_B
Misc: 200 PPB VOA STD#3723

Id File: BHSLS::SC
Title: CLP protocol-5pt calibration, GC/MS B(#2) BHSLS
Last Calibration: 920220 19:53 Last Qcal Time: 920220 17:20

Operator ID: LARRY
Quant Time : 920313 07:15
Injected at: 920313 06:34

Operator ID: LARRY Quant Rev: 7 Quant Time: 920313 07:15
utput File: `BJ660::QT Injected at: 920313 06:34
Data File: >BJ660::D3 Dilution Factor: 1.00000
Name: 920313 Instrument ID: MS_B
Misc: 200 PPB VOA STD#3723

ID File: BHSLS::SC
Title: CLP protocol-5pt calibration, GC/MS B(#2) BHSLS
Last Calibration: 920220 19:53 Last Qcal Time: 920220 17:20

	Compound		R.T.	Scan#	Area	Conc	Units	q
1)	*Bromochloromethane		9.54	201	15036	50.00	UG/KG	98
2)	Chloromethane		2.69	24	32949	165.51	UG/KG	99
3)	Bromomethane		3.81	53	43744	116.56	UG/KG	97
4)	Vinyl Chloride		4.51	71	36713	163.69	UG/KG	98
5)	Chloroethane		5.32	92	30650	160.50	UG/KG	98
6)	Methylene Chloride		6.91	133	83753	227.23	UG/KG	90
7)	Acetone		7.68	153	83148	305.33	UG/KG	91
8)	Carbon Disulfide		8.30	169	163952	203.77	UG/KG	100
9)	1,1-Dichloroethene		9.35	196	61355	178.03	UG/KG	95
10)	1,1-Dichloroethane		10.39	223	152902	180.86	UG/KG	94
11)	1,2-Dichloroethene (total)		11.13	242	72243	188.88	UG/KG	89
12)	Chloroform		11.48	251	179570	174.08	UG/KG	95
13)	1,2-Dichloroethane-d4	(Surr)	12.17	269	37883	52.52	UG/KG	94
14)	1,2-Dichloroethane		12.25	271	154821	185.56	UG/KG	94
15)	2-Butanone		12.37	274	21076	397.96	UG/KG	97
16)	*1,4-Difluorobenzene		19.72	464	51800	50.00	UG/KG	92
17)	1,1,1-Trichloroethane		13.49	303	135925	170.31	UG/KG	92
18)	Carbon Tetrachloride		13.88	313	126005	167.13	UG/KG	86
19)	Vinyl Acetate		14.11	319	22631	142.83	UG/KG	100
20)	Bromodichloromethane		14.26	323	195363	192.15	UG/KG	93
21)	1,2-Dichloropropane		15.73	361	93444	208.41	UG/KG	93
22)	cis-1,3-Dichloropropene		15.97	367	151905	198.04	UG/KG	95
23)	Trichloroethene		16.55	382	129079	270.46	UG/KG	99
24)	Dibromochloromethane		16.97	393	184864	215.59	UG/KG	96
25)	1,1,2-Trichloroethane		17.17	398	99939	223.74	UG/KG	98
26)	Benzene		17.21	399	197397	202.30	UG/KG	71
27)	trans-1,3-Dichloropropene		17.25	400	114832	195.06	UG/KG	99
28)	Bromoform		19.65	462	167206	247.76	UG/KG	98
29)	*Chlorobenzene-d5		24.60	590	48381	50.00	UG/KG	95
30)	4-Methyl-2-Pentanone		20.38	481	198925	338.55	UG/KG	91
31)	2-Hexanone		21.97	522	176471	323.85	UG/KG	85
32)	Tetrachloroethene		22.20	528	75264	175.18	UG/KG	98
33)	1,1,2,2-Tetrachloroethane		21.97	522	94947	141.64	UG/KG	80
34)	Toluene		23.67	566	126680	184.09	UG/KG	95
35)	Toluene-d8	(Surr)	23.48	561	51142	46.27	UG/KG	96
36)	Chlorobenzene		24.76	594	178292	184.16	UG/KG	94
37)	Ethylbenzene		26.96	651	79848	172.87	UG/KG	99
38)	Styrene		31.53	769	197177	180.48	UG/KG	71
39)	Xylene (total)		31.92	779	218980M	351.29	UG/KG	99
40)	Bromofluorobenzene	(Surr)	29.71	722	43956	45.30	UG/KG	96

* Compound is ISTD

7A

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: GALSON LABORATORIES

Client: NYSEG Task No.: 7360

Instrument ID: B (#2) Calibration Date: 3/13/92 Time: 3:32

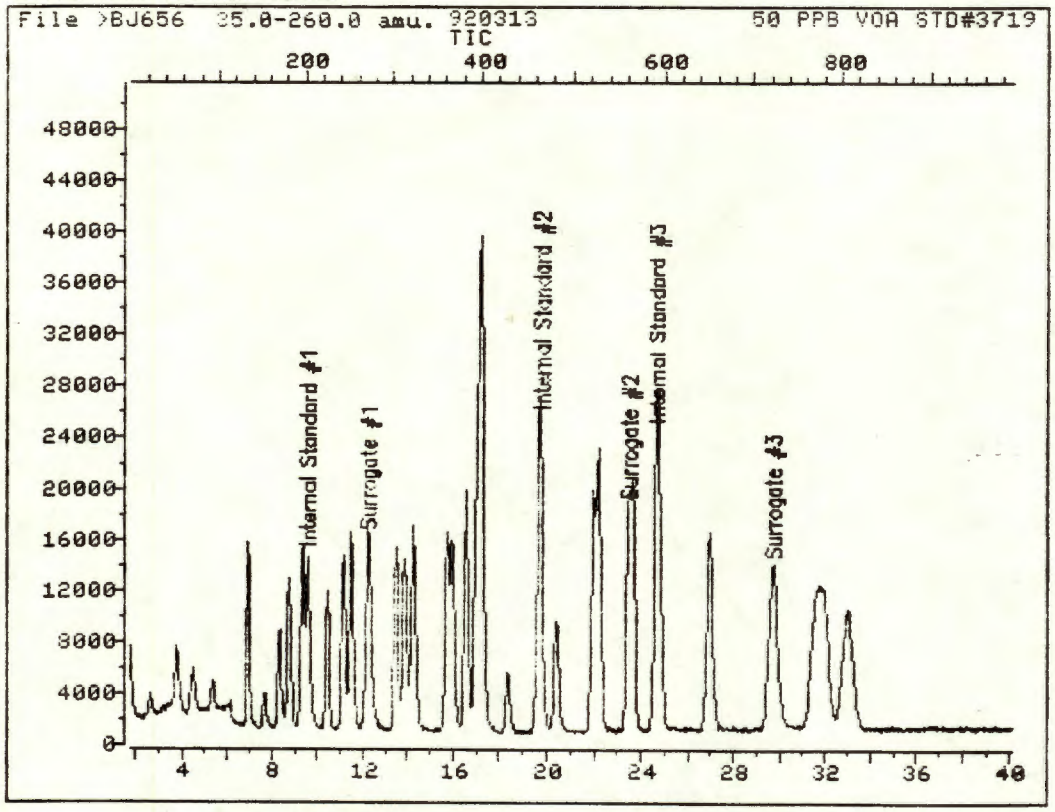
Lab File ID: >BJ656 Init. Calib. Date(s): 03/13/92 .

Matrix: (soil/water) SOIL Level: (low/med) LOW Column: (pack/cap) PACK

Min RRF50 for SPCC(#) = 0.300 (0.250 for Bromoform) Max %D for CCC(*) = 25.0%

COMPOUND		RRF	RRF50	%D	
Chloromethane	#	.587	.660	12.4	#
Bromomethane		.904	.971	7.4	
Vinyl Chloride	*	.648	.655	1.0	*
Chloroethane		.537	.560	4.3	
Methylene_Chloride		1.380	1.434	3.9	
Acetone		1.195	1.024	14.4	
Carbon_Disulfide		2.878	3.029	5.3	
1,1-Dichloroethene	*	1.118	1.226	9.6	*
1,1-Dichloroethane	#	2.606	2.710	4.0	#
1,2-Dichloroethene_(total)_		1.253	1.406	12.3	
Chloroform	*	3.067	3.152	2.8	*
1,2-Dichloroethane		2.414	2.371	1.8	
2-Butanone		.267	.219	18.2	
1,1,1-Trichloroethane		.658	.679	3.2	
Carbon_Tetrachloride		.615	.631	2.5	
Vinyl Acetate		.118	.138	16.4	
Bromodichloromethane		.883	.878	.6	
1,2-Dichloropropane	*	.424	.428	1.0	*
cis-1,3-Dichloropropene		.674	.686	1.8	
Trichloroethene		.541	.526	2.8	
Dibromochloromethane		.802	.791	1.4	
1,1,2-Trichloroethane		.438	.434	.8	
Benzene		.921	.975	5.8	
trans-1,3-Dichloropropene		.485	.478	1.4	
Bromoform	#	.679	.637	6.1	#
4-Methyl-2-pentanone		.839	.741	11.8	
2-Hexanone		.755	.639	15.4	
Tetrachloroethene		.408	.465	13.8	
1,1,2,2-Tetrachloroethane	#	.571	.685	19.9	#
Toluene	*	.666	.720	8.2	*
Chlorobenzene	#	.920	.998	8.5	#
Ethylbenzene	*	.414	.456	10.0	*
Styrene		.982	1.026	4.5	
Xylene_(total)		.558	.587	5.1	
Toluene-d8		1.085	1.079	.5	
Bromofluorobenzene		.907	.906	.1	
1,2-Dichloroethane-d4		2.221	1.905	14.2	

TOTAL ION CHROMATOGRAM



Data File: >BJ656::D3 Quant Output File: ^BJ656::QT
Name: 920313 Instrument ID: MS_B
Misc: 50 PPB VOA STD#3719

Id File: BHSLS::SC
Title: CLP protocol-5pt calibration, GC/MS B(#2) BHSLS
Last Calibration: 920220 19:53 Last Qcal Time: 920220 17:20

Operator ID: LARRY
Quant Time : 920313 04:13
Injected at: 920313 03:32

Operator ID: LARRY Quant Rev: 7 Quant Time: 920313 04:13
Output File: ^BJ656::QT Injected at: 920313 03:32
Data File: >BJ656::D3 Dilution Factor: 1.00000
Name: 920313 Instrument ID: MS_B
Misc: 50 PPB VOA STD#3719

ID File: BHSLS::SC
Title: CLP protocol-5pt calibration, GC/MS B(#2) BHSLS
Last Calibration: 920220 19:53 Last Qcal Time: 920220 17:20

	Compound	R.T.	Scan#	Area	Conc	Units	q
1)	*Bromochloromethane	9.56	202	22170	50.00	UG/KG	98
2)	Chloromethane	2.63	23	14633	49.85	UG/KG	94
3)	Bromomethane	3.79	53	21524	38.90	UG/KG	96
4)	Vinyl Chloride	4.49	71	14512	43.88	UG/KG	97
5)	Chloroethane	5.34	93	12414	44.09	UG/KG	92
6)	Methylene Chloride	6.93	134	31785	58.49	UG/KG	91
7)	Acetone	7.67	153	22693	56.52	UG/KG	99
8)	Carbon Disulfide	8.32	170	67158	56.61	UG/KG	100
9)	1,1-Dichloroethene	9.37	197	27169	53.47	UG/KG	90
10)	1,1-Dichloroethane	10.41	224	60088	48.21	UG/KG	91
11)	1,2-Dichloroethene (total)	11.15	243	31177	55.28	UG/KG	92
12)	Chloroform	11.50	252	69885	45.95	UG/KG	95
13)	1,2-Dichloroethane-d4 (Surr)	12.19	270	42239	39.72	UG/KG	97
14)	1,2-Dichloroethane	12.27	272	52568	42.73	UG/KG	99
15)	2-Butanone	12.39	275	4851	62.12	UG/KG	97
16)	*1,4-Difluorobenzene	19.74	465	79913	50.00	UG/KG	91
17)	1,1,1-Trichloroethane	13.51	304	54274	44.08	UG/KG	93
18)	Carbon Tetrachloride	13.86	313	50390	43.32	UG/KG	87
19)	Vinyl Acetate	14.17	321	11023	45.10	UG/KG	100
20)	Bromodichloromethane	14.29	324	70147	44.72	UG/KG	92
21)	1,2-Dichloropropane	15.72	361	34215	49.46	UG/KG	91
22)	cis-1,3-Dichloropropene	15.95	367	54857	46.36	UG/KG	94
23)	Trichloroethene	16.57	383	42019	57.07	UG/KG	97
24)	Dibromochloromethane	17.00	394	63189	47.77	UG/KG	99
25)	1,1,2-Trichloroethane	17.19	399	34708	50.37	UG/KG	98
26)	Benzene	17.19	399	77884	51.74	UG/KG	78
27)	trans-1,3-Dichloropropene	17.23	400	38211	42.07	UG/KG	96
28)	Bromoform	19.63	462	50938	48.92	UG/KG	98
29)	*Chlorobenzene-d5	24.62	591	69702	50.00	UG/KG	95
30)	4-Methyl-2-Pentanone	20.40	482	51615	60.97	UG/KG	89
31)	2-Hexanone	21.99	523	44540	56.73	UG/KG	89
32)	Tetrachloroethene	22.18	528	32385	52.32	UG/KG	98
33)	1,1,2,2-Tetrachloroethane	21.99	523	47740	49.43	UG/KG	83
34)	Toluene	23.65	566	50180	50.62	UG/KG	97
35)	Toluene-d8 (Surr)	23.46	561	75209	47.23	UG/KG	92
36)	Chlorobenzene	24.74	594	69594	49.89	UG/KG	97
37)	Ethylbenzene	26.94	651	31785	47.76	UG/KG	98
38)	Styrene	31.55	770	71514	45.43	UG/KG	69
39)	Xylene (total)	33.02	808	81836M	91.13	UG/KG	98
40)	Bromofluorobenzene (Surr)	29.69	722	63146	45.17	UG/KG	80

* Compound is ISTD

7A

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name:GALSON LABORATORIES

Client: NYSEG Task No.: 7360

Instrument ID: B (#2) Calibration Date: 3/13/92 Time: 14:30

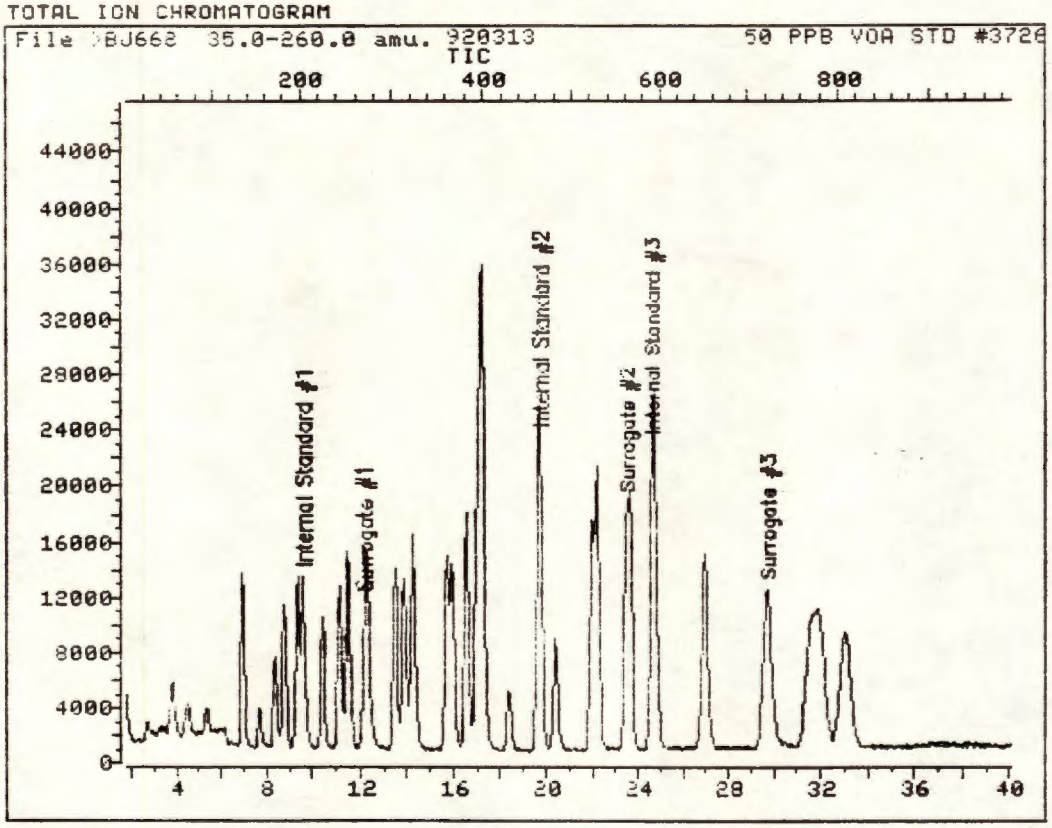
Lab File ID: >BJ668 Init. Calib. Date(s):03/13/92 .

Matrix:(soil/water) SOIL Level:(low/med) LOW Column:(pack/cap) PACK

Min RRF50 for SPCC(#) = 0.300 (0.250 for Bromoform) Max %D for CCC(*) = 25.0%

COMPOUND		RRF	RRF50	%D	
Chloromethane	#	.587	.579	1.4	#
Bromomethane		.904	.976	7.9	
Vinyl Chloride	*	.648	.666	2.7	*
Chloroethane		.537	.533	.6	
Methylene_Chloride		1.380	1.444	4.7	
Acetone		1.195	1.188	.6	
Carbon_Disulfide		2.878	3.023	5.0	
1,1-Dichloroethene	*	1.118	1.165	4.2	*
1,1-Dichloroethane	#	2.606	2.754	5.7	#
1,2-Dichloroethene_(total)_		1.253	1.384	10.5	
Chloroform	*	3.067	3.231	5.3	*
1,2-Dichloroethane		2.414	2.587	7.2	
2-Butanone		.267	.234	12.4	
1,1,1-Trichloroethane		.658	.680	3.3	
Carbon_Tetrachloride		.615	.617	.2	
Vinyl Acetate		.118	.133	11.9	
Bromodichloromethane		.883	.899	1.9	
1,2-Dichloropropane	*	.424	.426	.5	*
cis-1,3-Dichloropropene		.674	.683	1.3	
Trichloroethene		.541	.524	3.1	
Dibromochloromethane		.802	.796	.7	
1,1,2-Trichloroethane		.438	.433	1.1	
Benzene		.921	.951	3.2	
trans-1,3-Dichloropropene		.485	.495	2.1	
Bromoform	#	.679	.651	4.1	#
4-Methyl-2-pentanone		.839	.731	12.9	
2-Hexanone		.755	.629	16.7	
Tetrachloroethene		.408	.441	8.0	
1,1,2,2-Tetrachloroethane	#	.571	.619	8.4	#
Toluene	*	.666	.702	5.5	*
Chlorobenzene	#	.920	.990	7.6	#
Ethylbenzene	*	.414	.445	7.3	*
Styrene		.982	.954	2.8	
Xylene_(total)		.558	.559	.1	
Toluene-d8		1.085	1.085	.0	
Bromofluorobenzene		.907	.862	5.0	
1,2-Dichloroethane-d4		2.221	2.007	9.7	

TOTAL ION CHROMATOGRAM



Data File: >BJ668::D4 Quant Output File: ^BJ668::QT
Name: 920313 Instrument ID: MS_B
Misc: 50 PPB VOA STD #3726

Id File: BHSLS::SC
Title: CLP protocol-5pt calibration, GC/MS B(#2) BHSLS
Last Calibration: 920313 07:25 Last Qcal Time: 920313 03:32

Operator ID: LARRY
Quant Time : 920313 15:11
Injected at: 920313 14:30

Operator ID: LARRY Quant Rev: 7 Quant Time: 920313 15:11
utput File: ^BJ668::QT Injected at: 920313 14:30
Data File: >BJ668::D4 Dilution Factor: 1.00000
Name: 920313 Instrument ID: MS_B
Misc: 50 PPB VOA STD #3726

ID File: BHSLS::SC
Title: CLP protocol-5pt calibration, GC/MS B(#2) BHSLS
Last Calibration: 920313 07:25 Last Qcal Time: 920313 03:32

	Compound	R.T.	Scan#	Area	Conc	Units	q
1)	*Bromochloromethane	9.60	203	19397	50.00	UG/KG	92
2)	Chloromethane	2.67	24	11226	43.84	UG/KG	89
3)	Bromomethane	3.80	53	18922	50.24	UG/KG	96
4)	Vinyl Chloride	4.49	71	12913	50.85	UG/KG	90
5)	Chloroethane	5.35	93	10348	47.64	UG/KG	97
6)	Methylene Chloride	6.93	134	28019	50.38	UG/KG	89
7)	Acetone	7.67	153	23048	58.04	UG/KG	95
8)	Carbon Disulfide	8.36	171	58640	49.90	UG/KG	100
9)	1,1-Dichloroethene	9.37	197	22606	47.55	UG/KG	94
10)	1,1-Dichloroethane	10.46	225	53425	50.81	UG/KG	92
11)	1,2-Dichloroethene (total)	11.15	243	26848	49.21	UG/KG	88
12)	Chloroform	11.50	252	62664	51.24	UG/KG	91
13)	1,2-Dichloroethane-d4 (Surr)	12.16	269	38931	52.67	UG/KG	94
14)	1,2-Dichloroethane	12.27	272	50179	54.55	UG/KG	95
15)	2-Butanone	12.35	274	4546	53.55	UG/KG	99
16)	*1,4-Difluorobenzene	19.75	465	73515	50.00	UG/KG	90
17)	1,1,1-Trichloroethane	13.51	304	49993	50.06	UG/KG	95
18)	Carbon Tetrachloride	13.86	313	45342	48.91	UG/KG	87
19)	Vinyl Acetate	14.17	321	9745	48.05	UG/KG	100
20)	Bromodichloromethane	14.25	323	66111	51.22	UG/KG	87
21)	1,2-Dichloropropane	15.72	361	31311	49.74	UG/KG	97
22)	cis-1,3-Dichloropropene	15.95	367	50226	49.76	UG/KG	96
23)	Trichloroethene	16.53	382	38505	49.81	UG/KG	97
24)	Dibromochloromethane	16.96	393	58536	50.35	UG/KG	97
25)	1,1,2-Trichloroethane	17.15	398	31825	49.84	UG/KG	94
26)	Benzene	17.19	399	69929	48.80	UG/KG	76
27)	trans-1,3-Dichloropropene	17.23	400	36415	51.80	UG/KG	93
28)	Bromoform	19.63	462	47887	51.10	UG/KG	94
29)	*Chlorobenzene-d5	24.62	591	67079	50.00	UG/KG	93
30)	4-Methyl-2-Pentanone	20.41	482	49012	49.34	UG/KG	91
31)	2-Hexanone	21.99	523	42207	49.23	UG/KG	89
32)	Tetrachloroethene	22.19	528	29561	47.42	UG/KG	97
33)	1,1,2,2-Tetrachloroethane	21.99	523	41531	45.20	UG/KG	88
34)	Toluene	23.66	566	47089	48.75	UG/KG	96
35)	Toluene-d8 (Surr)	23.50	562	72785	50.28	UG/KG	95
36)	Chlorobenzene	24.74	594	66427	49.59	UG/KG	93
37)	Ethylbenzene	26.99	652	29834	48.77	UG/KG	97
38)	Styrene	31.59	771	63977	46.48	UG/KG	70
39)	Xylene (total)	31.98	781	74995M	95.22	UG/KG	
40)	Bromofluorobenzene (Surr)	29.73	723	57812	47.57	UG/KG	91

* Compound is ISTD

8A

GC/MS VOLATILE INTERNAL STANDARD SUMMARY

Lab Name: GALSON LABORATORIES

Client: NYSEG | Task No.: 7360

Lab File ID (Standard): >BJ656 | Date Analyzed: 03/13/92

Instrument ID: B | Time Analyzed: 03:32

Matrix:(soil/water) SOIL | Level: (low/med) LOW | Column:(pack/cap) PACK

	IS1(BCM) AREA #	RT	IS2(DFB) AREA #	RT	IS3(CBZ) AREA #	RT
	12 HOUR STD	22170	9.56	79913	19.74	69702	24.62
	UPPER LIMIT	44340		159826		139404	
	LOWER LIMIT	11085		39956		34851	
	SAMPLE NO.						
1	METHOD BLANK	16957	9.56	70050	19.73	62253	24.65
2	HOLD BLANK	17280	9.57	66333	19.74	60429	24.62
3	MBS	17584	9.58	61680	19.72	60160	24.64
4	QC STD #3724	17019	9.57	64001	19.72	58816	24.63
5	PYVIXXXX01	14475	9.59	52650	19.77	47875	24.65
6							
7							
8							
9							
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							
21							
22							

IS1 (BCM) = Bromochloromethane
IS2 (DFB) = 1,4-Difluorobenzene
IS3 (CBZ) = Chlorobenzene-d5

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

8A

GC/MS VOLATILE INTERNAL STANDARD SUMMARY

Lab Name: GALSON LABORATORIES

Client: NYSEG | Task No.: 7360

Lab File ID (Standard): >BJ668 | Date Analyzed: 03/13/92

Instrument ID: B | Time Analyzed: 14:30

Matrix:(soil/water) SOIL | Level: (low/med) LOW | Column:(pack/cap) PACK

	IS1(BCM) AREA #	RT	IS2(DFB) AREA #	RT	IS3(CBZ) AREA #	RT
	12 HOUR STD	19397	9.60	73515	19.75	67079	24.62
	UPPER LIMIT	38794		147030		134158	
	LOWER LIMIT	9698		36758		33539	
	SAMPLE NO.						
1	METHOD BLANK	16754	9.56	68273	19.74	61194	24.65
2	PYVIXXXXO1MS	16949	9.58	61712	19.76	57635	24.67
3	PYVIXXXXO1MS	16425	9.57	62592	19.75	55430	24.63
4							
5							
6							
7							
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12							
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16							
17							
18							
19							
20							
21							
22							

IS1 (BCM) = Bromochloromethane
IS2 (DFB) = 1,4-Difluorobenzene
IS3 (CBZ) = Chlorobenzene-d5

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 VOA 1/87 Rev.

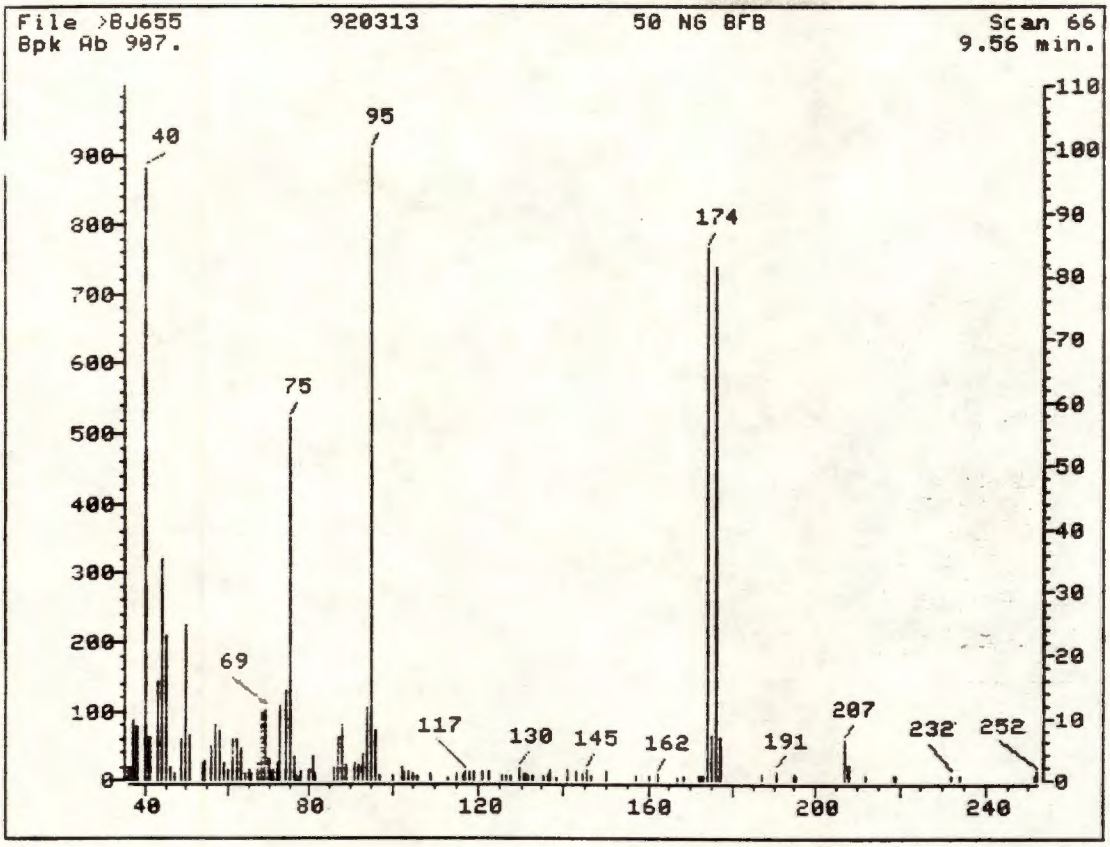
GC/MS

VOLATILES

RAW QUALITY CONTROL DATA

REVIEWED:

LARRY S. NARK

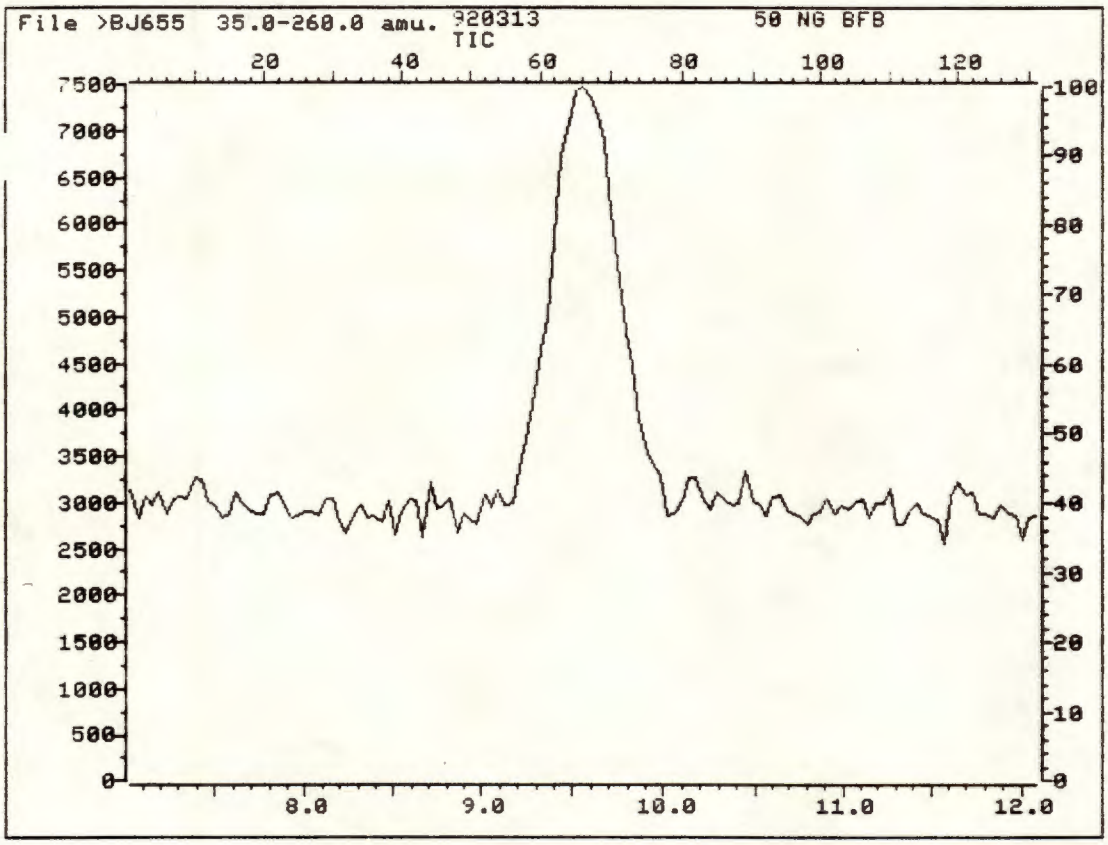


GC/MS PERFORMANCE STANDARD

Bromofluorobenzene (BFB)

m/z	Ion Abundance Criteria	% Relative Abundance Base Peak	% Relative Abundance Appropriate Peak	Status
50	15-40% of mass 95	24.59	24.59	Ok
75	30-60% of mass 95	57.44	57.44	Ok
95	Base peak, 100% relative abundance	100.00	100.00	Ok
96	5-9% of mass 95	7.94	7.94	Ok
173	Less than 2% of mass 174	.88	1.04	Ok
174	Greater than 50% of mass 95	84.45	84.45	Ok
175	5-9% of mass 174	7.28	8.62	Ok
176	95-101% of mass 174	81.48	96.48	Ok
177	5-9% of mass 176	6.73	8.25	Ok

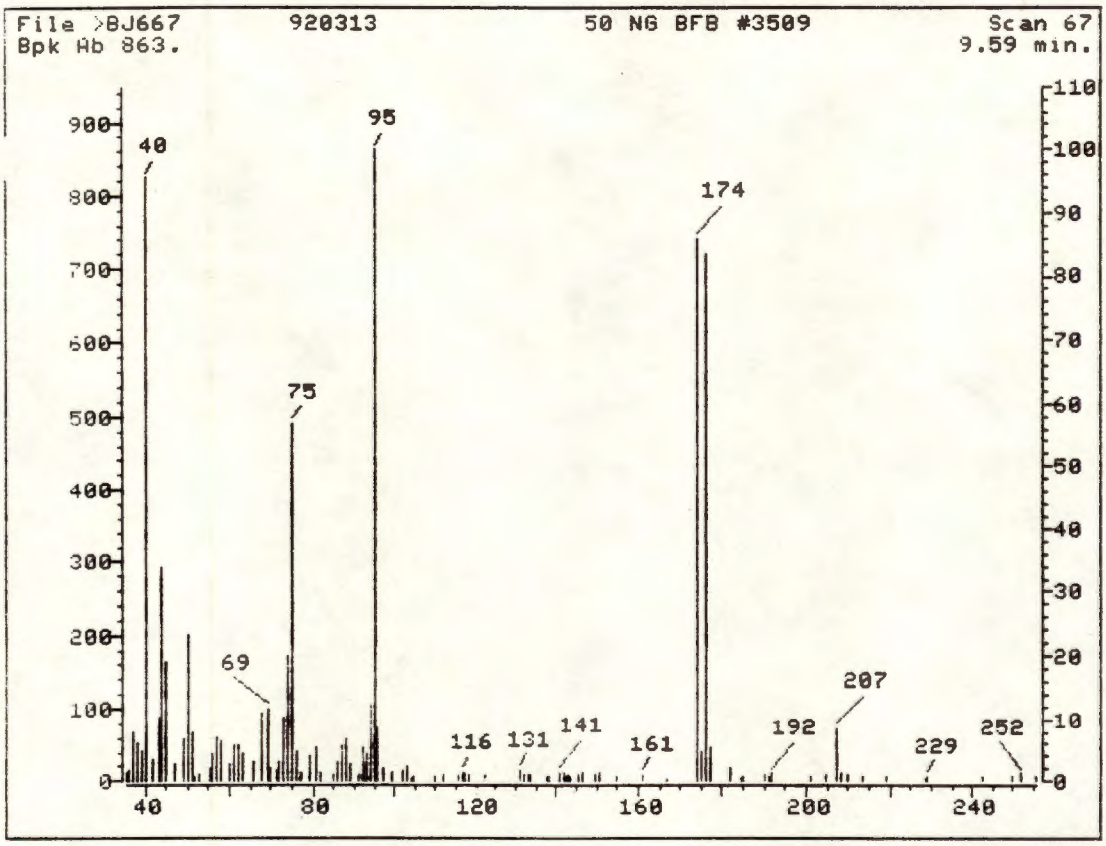
Injection Date: 03/13/92
Injection Time: 02:37
Data File: >BJ655
Scan: 66



>BJ655 920313 50 NG BFB
66 NRM NOM

File: >BJ655 Scan #: 66 Retn. time: 9.56

m/z	Int.	m/z	Int.	m/z	Int.	m/z	Int.	m/z	Int.
36.20	2.205	59.00	2.646	76.05	3.749	103.90	1.323	136.90	1.654
37.00	9.482	59.80	1.654	78.05	1.433	105.00	1.213	141.05	1.654
38.00	8.490	60.95	6.395	79.95	1.654	108.80	1.213	142.95	1.433
40.00	97.023	61.95	6.395	80.95	3.969	116.40	1.213	144.35	1.213
41.00	6.725	63.05	5.072	86.15	2.095	116.80	1.433	145.25	1.764
43.00	15.546	64.25	1.213	87.05	6.836	117.00	1.433	150.15	1.433
44.00	35.061	65.15	1.654	88.05	8.820	118.00	1.323	173.95	84.454
45.00	23.153	67.05	2.646	89.15	2.315	118.80	1.433	174.95	7.277
46.00	1.985	68.05	11.025	90.95	2.756	119.10	1.323	175.95	81.477
48.90	6.395	69.05	11.356	92.05	2.426	120.80	1.433	176.95	6.725
50.00	24.587	70.05	3.528	93.05	4.300	121.20	1.103	187.00	1.213
51.00	7.166	70.75	1.323	93.95	11.577	122.50	1.323	190.90	1.544
54.10	2.646	71.05	1.764	95.05	100.000	129.90	1.985	194.90	1.103
54.30	2.977	71.95	2.646	95.95	7.938	130.90	1.103	207.10	6.505
56.00	5.513	72.95	11.797	102.10	1.985	131.10	1.213	208.10	2.315
57.00	8.710	74.05	14.223	102.80	1.323	136.40	1.103	251.95	1.433
58.10	7.828	75.05	57.442						

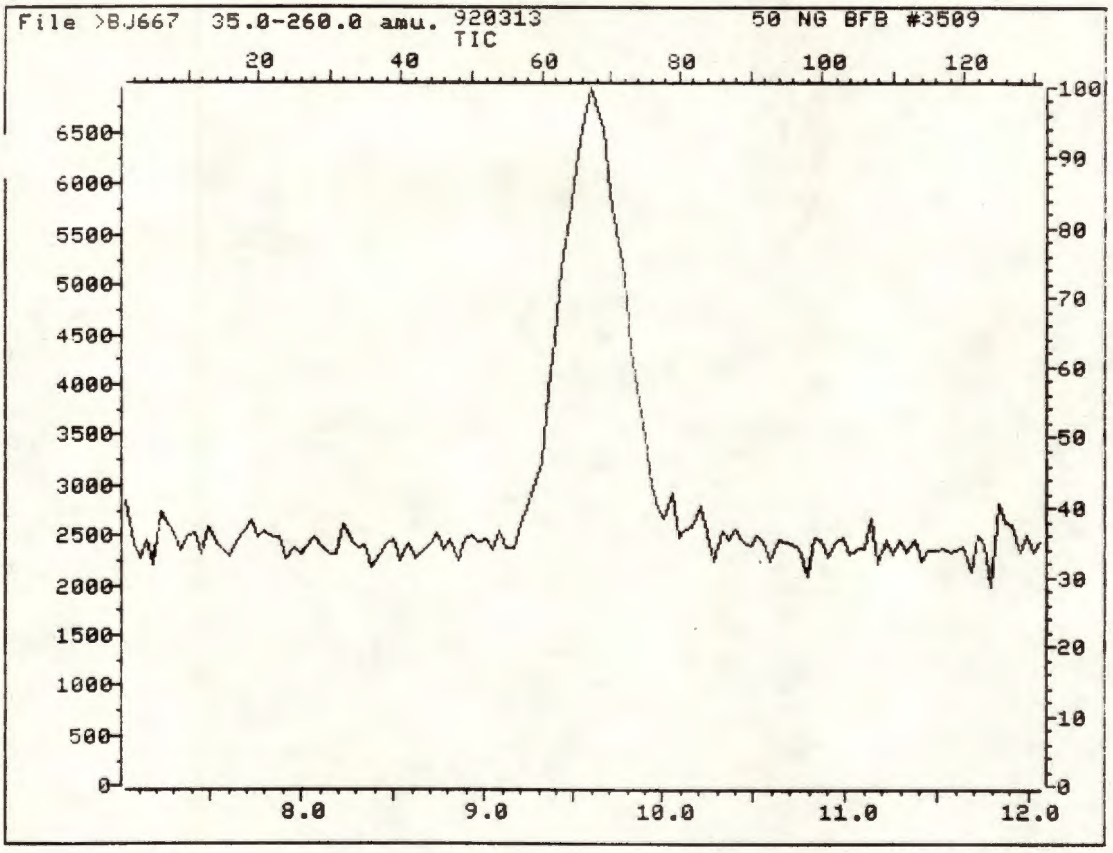


GC/MS PERFORMANCE STANDARD

Bromofluorobenzene (BFB)

m/z	Ion Abundance Criteria	% Relative Abundance Base Peak	% Relative Abundance Appropriate Peak	Status
50	15-40% of mass 95	23.52	23.52	Ok
75	30-60% of mass 95	56.89	56.89	Ok
95	Base peak, 100% relative abundance	100.00	100.00	Ok
96	5-9% of mass 95	8.46	8.46	Ok
173	Less than 2% of mass 174	0.00	0.00	Ok
174	Greater than 50% of mass 95	85.98	85.98	Ok
175	5-9% of mass 174	4.98	5.80	Ok
176	95-101% of mass 174	83.66	97.30	Ok
177	5-9% of mass 176	5.45	6.51	Ok

Injection Date: 03/13/92
Injection Time: 14:04
Data File: >BJ667
Scan: 67



>BJ667 920313 50 NG BFB #3509
67 NRM NOM

File: >BJ667 Scan #: 67 Retn. time: 9.59

m/z	Int.	m/z	Int.	m/z	Int.	m/z	Int.	m/z	Int.
35.70	1.506	58.00	6.605	80.95	5.562	101.80	1.738	146.35	1.159
35.90	1.738	60.05	2.897	81.95	1.275	102.10	1.738	146.55	1.275
37.00	7.764	60.95	5.794	84.95	1.043	103.00	2.549	149.85	1.043
38.00	6.025	61.95	5.678	86.05	3.129	112.00	1.043	150.65	1.390
39.00	4.751	62.95	4.519	87.05	5.910	115.40	1.043	160.85	1.159
40.00	95.597	65.65	3.013	88.05	6.721	116.30	1.506	173.95	85.979
42.00	3.360	67.95	10.892	88.95	2.781	117.00	1.275	174.95	4.983
43.10	10.081	69.05	11.587	91.05	1.043	118.10	1.043	175.95	83.662
44.00	33.720	70.05	2.086	92.05	5.330	122.20	1.043	176.95	5.446
45.10	19.119	71.25	1.622	92.45	2.086	130.80	1.854	181.90	1.970
46.90	2.897	71.75	3.129	93.15	4.635	132.10	1.043	189.90	1.043
49.10	6.837	73.05	10.081	93.95	12.630	132.90	1.043	191.80	1.275
50.00	23.523	74.05	20.162	95.05	100.000	133.70	1.159	204.40	1.043
51.00	7.764	75.05	56.895	95.95	8.459	140.95	1.506	207.10	8.691
52.80	1.043	76.05	4.751	97.05	1.854	142.05	1.275	208.10	1.275
55.10	2.086	76.95	1.390	97.35	2.086	142.85	1.159	209.80	1.043
56.00	4.635	78.95	4.171	99.15	1.390	145.75	1.159	252.05	1.390
57.00	7.068								

GC/MS VOLATILE ORGANICS ANALYSIS DATA SHEET
PAGE 1

SAMPLE

| METHOD BLANK |

Lab Name: GALSON LABORATORIES

Client: NYSEG

Task No.: 7360

Matrix: (soil/water) WATER

Lab Sample ID: VBLK1

Sample wt/vol: 5 mL

Lab File ID: >BJ662::D3

Level: (low/med) LOW

Date Received: 00/00/00

% Moisture: not dec.:

Date Analyzed: 03/13/92

Column: (pack/cap) PACK

Dilution Factor: 1.00

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	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
56-23-6	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

GC/MS VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

SAMPLE

METHOD BLANK

Lab Name: GALSON LABORATORIES

Client: NYSEG

Task No.: 7360

Matrix: (soil/water) SOIL

Lab Sample ID: VBLK1

Sample wt/vol: 5 g

Lab File ID: >BJ662::D3

Level: (low/med) LOW

Date Received: 00/00/00

% Moisture: not dec.:

Date Analyzed: 03/13/92

Column: PACK

Dilution Factor: 1.00

Number TICs Found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/Kg

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		No volatiles found			
2.					
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					
11.					
12.					
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23.					
24.					
25.					
26.					
27.					
28.					
29.					
30.					

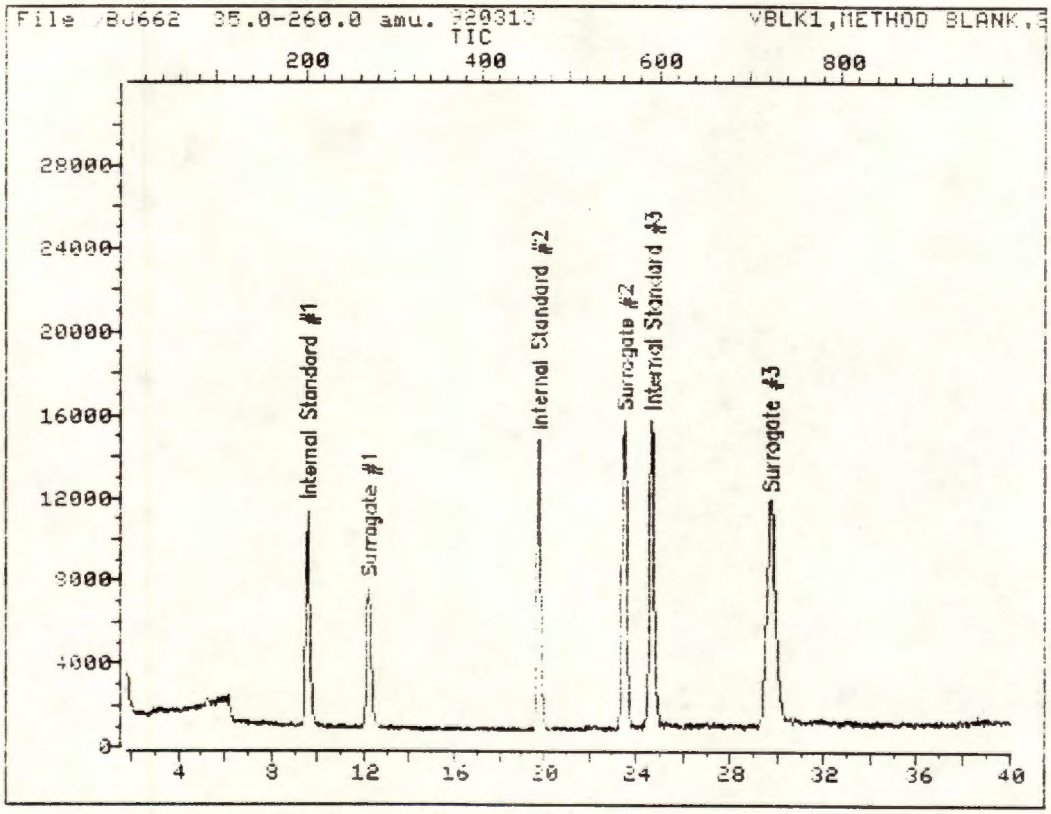
Operator ID: LARRY Quant Rev: 7 Quant Time: 920313 09:28
Output File: ^BJ662::QT Injected at: 920313 08:47
ata File: >BJ662::D3 Dilution Factor: 1.00000
Name: 920313 Instrument ID: MS_B
Misc: VBLK1,METHOD BLANK,SOIL,5

ID File: BHSLS::SC
Title: CLP protocol-5pt calibration, GC/MS B(#2) BHSLS
Last Calibration: 920313 07:25 Last Qcal Time: 920313 03:32

	Compound		R.T.	Scan#	Area	Conc	Units	q
1)	*Bromochloromethane		9.56	202	16957	50.00	UG/KG	99
13)	1,2-Dichloroethane-d4	(Surr)	12.19	270	34442	53.30	UG/KG	97
16)	*1,4-Difluorobenzene		19.73	465	70050	50.00	UG/KG	90
29)	*Chlorobenzene-d5		24.65	592	62253	50.00	UG/KG	94
35)	Toluene-d8	(Surr)	23.49	562	68203	50.77	UG/KG	97
40)	Bromofluorobenzene	(Surr)	29.68	722	54517	48.33	UG/KG	90

* Compound is ISTD

TOTAL ION CHROMATOGRAM



Data File: >BJ662::D3 Quant Output File: ^BJ662::QT
Name: 920313 Instrument ID: MS_B
Misc: VBLK1,METHOD BLANK,SOIL,5

Id File: BHSLS::SC
Title: CLP protocol-5pt calibration, GC/MS B(#2) BHSLS
Last Calibration: 920313 07:25 Last Qcal Time: 920313 03:32

Operator ID: LARRY
Quant Time : 920313 09:28
Injected at: 920313 08:47

GC/MS VOLATILE ORGANICS ANALYSIS DATA SHEET
PAGE 1

SAMPLE

| METHOD BLANK |

Lab Name: GALSON LABORATORIES

Client: NYSEG

Task No.: 7360

Matrix: (soil/water) SOIL

Lab Sample ID: VBLK2

Sample wt/vol: 5 g

Lab File ID: >BJ669::D4

Level: (low/med) LOW

Date Received: 00/00/00

% Moisture: not dec.:

Date Analyzed: 03/13/92

Column: (pack/cap) PACK

Dilution Factor: 1.00

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-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
56-23-6	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

GC/MS VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

SAMPLE

| METHOD BLANK |

Lab Name: GALSON LABORATORIES

Client: NYSEG

Task No.: 7360

Matrix: (soil/water) SOIL

Lab Sample ID: VBLK2

Sample wt/vol: 5 g

Lab File ID: >BJ669::D4

Level: (low/med) LOW

Date Received: 00/00/00

% Moisture: not dec.:

Date Analyzed: 03/13/92

Column: PACK

Dilution Factor: 1.00

Number TICs Found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/Kg

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		No volatiles found			
2.					
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					
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22.					
23.					
24.					
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26.					
27.					
28.					
29.					
30.					

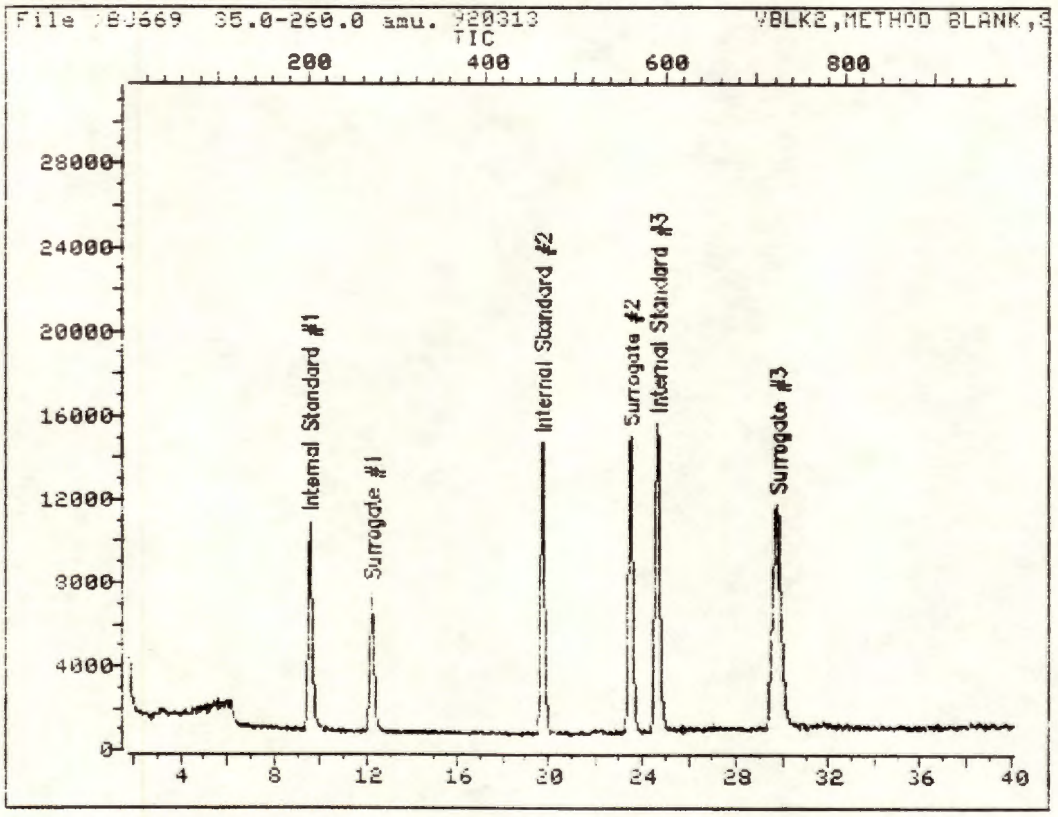
Operator ID: LARRY Quant Rev: 7 Quant Time: 920313 16:12
utput File: ^BJ669::QT Injected at: 920313 15:31
Data File: >BJ669::D4 Dilution Factor: 1.00000
Name: 920313 Instrument ID: MS_B
Misc: VBLK2,METHOD BLANK,SOIL,5

ID File: BHSLS::SC
Title: CLP protocol-5pt calibration, GC/MS B(#2) BHSLS
Last Calibration: 920313 07:25 Last Qcal Time: 920313 14:30

	Compound		R.T.	Scan#	Area	Conc	Units	q
1)	*Bromochloromethane		9.56	202	16754	50.00	UG/KG	94
13)	1,2-Dichloroethane-d4	(Surr)	12.19	270	34009	50.57	UG/KG	92
16)	*1,4-Difluorobenzene		19.74	465	68273	50.00	UG/KG	91
29)	*Chlorobenzene-d5		24.65	592	61194	50.00	UG/KG	94
35)	Toluene-d8	(Surr)	23.49	562	66966	50.43	UG/KG	95
40)	Bromofluorobenzene	(Surr)	29.76	724	53473	50.69	UG/KG	92

* Compound is ISTD

TOTAL ION CHROMATOGRAM



Data File: >BJ669::D4 Quant Output File: ^BJ669::QT
Name: 920313 Instrument ID: MS_B
Misc: VBLK2,METHOD BLANK,SOIL,5

Id File: BHSLS::SC
Title: CLP protocol-5pt calibration, GC/MS B(#2) BHSLS
Last Calibration: 920313 07:25 Last Qcal Time: 920313 14:30

Operator ID: LARRY
Quant Time : 920313 16:12
Injected at: 920313 15:31

GC/MS VOLATILE ORGANICS ANALYSIS DATA SHEET
PAGE 1

SAMPLE: PYVIXXXX01MS

Lab Name: GALSON LABORATORIES

Client: NYSEG — Task No.: 7360

Matrix: (soil/water) SOIL — Lab Sample ID: 7360-003

Sample wt/vol: 5 g — Lab File ID: >BJ670::D4

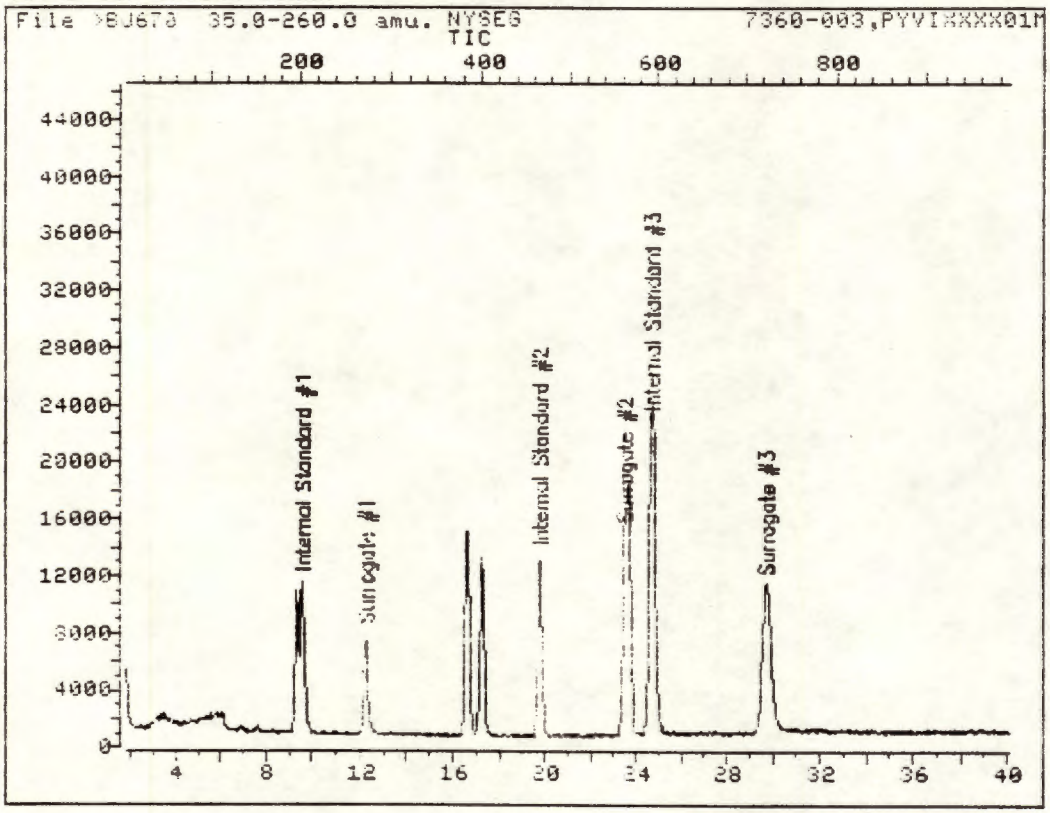
Level: (low/med) LOW — Date Received: 03/07/92

% Moisture: not dec.: 18 — Date Analyzed: 03/13/92

Column: (pack/cap) PACK — Dilution Factor: 1.00

CAS No.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
74-87-3	Chloromethane	12.	U
74-83-9	Bromomethane	12.	U
75-01-4	Vinyl Chloride	12.	U
75-00-3	Chloroethane	12.	U
75-09-2	Methylene Chloride	6.	U
67-64-1	Acetone	10.	J
75-15-0	Carbon Disulfide	6.	U
75-35-4	1,1-Dichloroethene	66.	
75-34-3	1,1-Dichloroethane	6.	U
540-59-0	1,2-Dichloroethene (total)	6.	U
67-66-3	Chloroform	6.	U
107-06-2	1,2-Dichloroethane	6.	U
78-93-3	2-Butanone	12.	U
71-55-6	1,1,1-Trichloroethane	6.	U
56-23-6	Carbon Tetrachloride	6.	U
108-05-4	Vinyl Acetate	12.	U
75-27-4	Bromodichloromethane	6.	U
78-87-5	1,2-Dichloropropane	6.	U
10061-01-5	cis-1,3-Dichloropropene	6.	U
79-01-6	Trichloroethene	59.	
124-48-1	Dibromochloromethane	6.	U
79-00-5	1,1,2-Trichloroethane	6.	U
71-43-2	Benzene	68.	
10061-02-6	trans-1,3-Dichloropropene	6.	U
75-25-2	Bromoform	6.	U
108-10-1	4-Methyl-2-Pentanone	12.	U
591-78-6	2-Hexanone	12.	U
127-18-4	Tetrachloroethene	6.	U
79-34-5	1,1,2,2-Tetrachloroethane	6.	U
108-88-3	Toluene	69.	
108-90-7	Chlorobenzene	67.	
100-41-4	Ethylbenzene	6.	U
100-42-5	Styrene	6.	U
1330-20-7	Xylene (total)	6.	U

TOTAL ION CHROMATOGRAM



Data File: >BJ670::D4 Quant Output File: ^BJ670::QT
Name: NYSEG Instrument ID: MS_B
Misc: 7360-003,PYVIXXXX01MS,SOIL,5,18

Id File: BHSLS::SC
Title: CLP protocol-5pt calibration, GC/MS B(#2) BHSLS
Last Calibration: 920313 07:25 Last Qcal Time: 920313 14:30

Operator ID: LARRY
Quant Time : 920313 17:31
Injected at: 920313 16:49

Operator ID: LARRY Quant Rev: 7 Quant Time: 920313 17:31
Output File: ^BJ670::QT Injected at: 920313 16:49
Data File: >BJ670::D4 Dilution Factor: 1.00000
Name: NYSEG Instrument ID: MS_B
Misc: 7360-003,PYVIXXXX01MS,SOIL,5,18

ID File: BHSLS::SC
Title: CLP protocol-5pt calibration, GC/MS B(#2) BHSLS
Last Calibration: 920313 07:25 Last Qcal Time: 920313 14:30

	Compound		R.T.	Scan#	Area	Conc	Units	q
1)	*Bromochloromethane		9.58	203	16949	50.00	UG/KG	97
7)	Acetone		7.64	153	3363	8.35	UG/KG	93
9)	1,1-Dichloroethene		9.34	197	21430	54.24	UG/KG	93
13)	1,2-Dichloroethane-d4	(Surr)	12.21	271	34381	50.53	UG/KG	93
16)	*1,4-Difluorobenzene		19.76	466	61712	50.00	UG/KG	91
23)	Trichloroethene		16.58	384	31214	48.28	UG/KG	97
26)	Benzene		17.24	401	65708	55.97	UG/KG	94
29)	*Chlorobenzene-d5		24.67	593	57635	50.00	UG/KG	98
34)	Toluene		23.67	567	45800	56.60	UG/KG	96
35)	Toluene-d8	(Surr)	23.47	562	62550	50.01	UG/KG	98
36)	Chlorobenzene		24.79	596	62696	54.92	UG/KG	93
40)	Bromofluorobenzene	(Surr)	29.71	723	51384	51.72	UG/KG	89

* Compound is ISTD

GC/MS VOLATILE ORGANICS ANALYSIS DATA SHEET
PAGE 1

SAMPLE

PYVIXXXX01MSD

Lab Name: GALSON LABORATORIES

Client: NYSEG

Task No.: 7360

Matrix: (soil/water) SOIL

Lab Sample ID: 7360-004

Sample wt/vol: 5 g

Lab File ID: >BJ671::D4

Level: (low/med) LOW

Date Received: 03/07/92

% Moisture: not dec.: 18

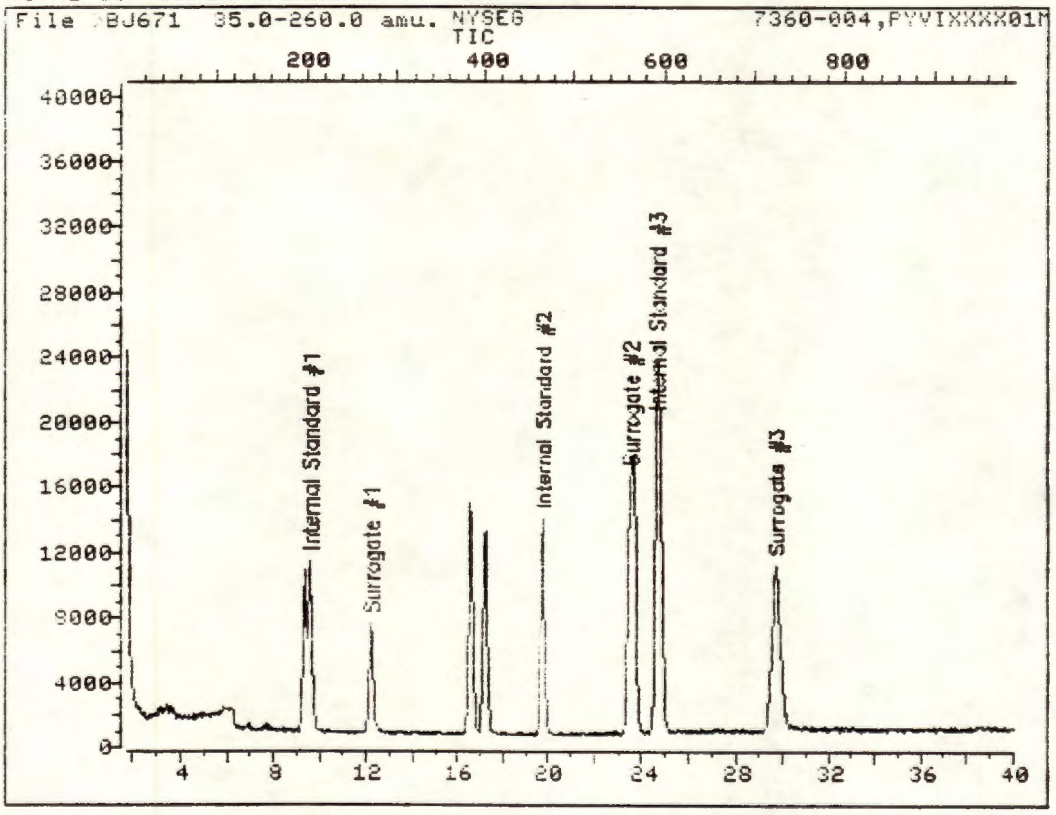
Date Analyzed: 03/13/92

Column: (pack/cap) PACK

Dilution Factor: 1.00

CAS No.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
74-87-3	Chloromethane	12.	U
74-83-9	Bromomethane	12.	U
75-01-4	Vinyl Chloride	12.	U
75-00-3	Chloroethane	12.	U
75-09-2	Methylene Chloride	6.	U
67-64-1	Acetone	8.	J
75-15-0	Carbon Disulfide	6.	U
75-35-4	1,1-Dichloroethene	67.	
75-34-3	1,1-Dichloroethane	6.	U
540-59-0	1,2-Dichloroethene (total)	6.	U
67-66-3	Chloroform	6.	U
107-06-2	1,2-Dichloroethane	6.	U
78-93-3	2-Butanone	12.	U
71-55-6	1,1,1-Trichloroethane	6.	U
56-23-6	Carbon Tetrachloride	6.	U
108-05-4	Vinyl Acetate	12.	U
75-27-4	Bromodichloromethane	6.	U
78-87-5	1,2-Dichloropropane	6.	U
10061-01-5	cis-1,3-Dichloropropene	6.	U
79-01-6	Trichloroethene	54.	
124-48-1	Dibromochloromethane	6.	U
79-00-5	1,1,2-Trichloroethane	6.	U
71-43-2	Benzene	68.	
10061-02-6	trans-1,3-Dichloropropene	6.	U
75-25-2	Bromoform	6.	U
108-10-1	4-Methyl-2-Pentanone	12.	U
591-78-6	2-Hexanone	12.	U
127-18-4	Tetrachloroethene	6.	U
79-34-5	1,1,2,2-Tetrachloroethane	6.	U
108-88-3	Toluene	69.	
108-90-7	Chlorobenzene	65.	
100-41-4	Ethylbenzene	6.	U
100-42-5	Styrene	6.	U
1330-20-7	Xylene (total)	6.	U

TOTAL ION CHROMATOGRAM



Data File: >BJ671::D4 Quant Output File: ^BJ671::QT
Name: NYSEG Instrument ID: MS_B
Misc: 7360-004,PYVIXXXX01MSD,SOIL,5,18

Id File: BHSLS::SC
Title: CLP protocol-5pt calibration, GC/MS B(#2) BHSLS
Last Calibration: 920313 07:25 Last Qcal Time: 920313 14:30

Operator ID: LARRY
Quant Time : 920313 18:16
Injected at: 920313 17:35

Operator ID: LARRY Quant Rev: 7 Quant Time: 920313 18:16
utput File: ^BJ671::QT Injected at: 920313 17:35
Data File: >BJ671::D4 Dilution Factor: 1.00000
Name: NYSEG Instrument ID: MS_B
Misc: 7360-004,PYVIXXXX01MSD,SOIL.5,18

ID File: BHSLS::SC
Title: CLP protocol-5pt calibration, GC/MS B(#2) BHSLS
Last Calibration: 920313 07:25 Last Qcal Time: 920313 14:30

	Compound		R.T.	Scan#	Area	Conc	Units	q
1)	*Bromochloromethane		9.57	203	16425	50.00	UG/KG	94
7)	Acetone		7.71	155	2658	6.81	UG/KG	94
9)	1,1-Dichloroethene		9.34	197	20962	54.75	UG/KG	94
13)	1,2-Dichloroethane-d4	(Surr)	12.20	271	33727	51.15	UG/KG	93
16)	*1,4-Difluorobenzene		19.75	466	62592	50.00	UG/KG	91
23)	Trichloroethene		16.58	384	28783	43.90	UG/KG	92
26)	Benzene		17.23	401	66312	55.69	UG/KG	95
29)	*Chlorobenzene-d5		24.63	592	55430	50.00	UG/KG	91
34)	Toluene		23.66	567	44188	56.78	UG/KG	96
35)	Toluene-d8	(Surr)	23.50	563	61550	51.17	UG/KG	98
36)	Chlorobenzene		24.74	595	58083	52.91	UG/KG	92
40)	Bromofluorobenzene	(Surr)	29.70	723	49287	51.59	UG/KG	86

* Compound is ISTD

GC/MS VOLATILE ORGANICS ANALYSIS DATA SHEET
PAGE 1

SAMPLE: MBS

Lab Name: GALSON LABORATORIES

Client: NYSEG

Task No.: 7360

Matrix: (soil/water) SOIL

Lab Sample ID: 7360-005

Sample wt/vol: 5 g

Lab File ID: >BJ664::D1

Level: (low/med) LOW

Date Received: 00/00/00

% Moisture: not dec.:

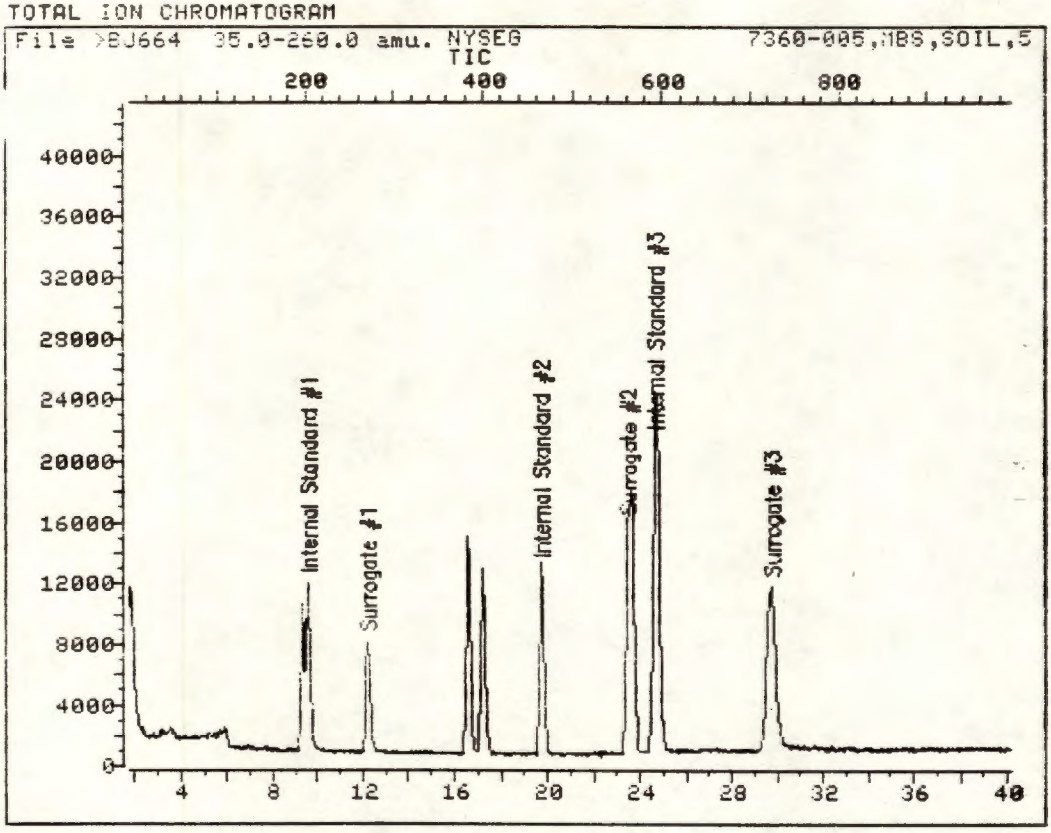
Date Analyzed: 03/13/92

Column: (pack/cap) PACK

Dilution Factor: 1.00

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	48.	
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
56-23-6	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	46.	
124-48-1	Dibromochloromethane	5.	U
79-00-5	1,1,2-Trichloroethane	5.	U
71-43-2	Benzene	54.	
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	51.	
108-90-7	Chlorobenzene	51.	
100-41-4	Ethylbenzene	5.	U
100-42-5	Styrene	5.	U
1330-20-7	Xylene (total)	5.	U

TOTAL ION CHROMATOGRAM



Data File: >BJ664::D1 Quant Output File: ^BJ664::QT
Name: NYSEG Instrument ID: MS_B
Misc: 7360-005,MBS,SOIL,5

Id File: BHSLS::SC
Title: CLP protocol-5pt calibration, GC/MS B(#2) BHSLS
Last Calibration: 920313 07:25 Last Qcal Time: 920313 03:32

Operator ID: LARRY
Quant Time : 920313 11:37
Injected at: 920313 10:56

Operator ID: LARRY Quant Rev: 7 Quant Time: 920313 11:37
Output File: ^BJ664::QT Injected at: 920313 10:56
D a File: >BJ664::D1 Dilution Factor: 1.00000
Name: NYSEG Instrument ID: MS_B
Misc: 7360-005,MBS,SOIL,5

ID File: BHSLS::SC
Title: CLP protocol-5pt calibration, GC/MS B(#2) BHSLS
Last Calibration: 920313 07:25 Last Qcal Time: 920313 03:32

	Compound		R.T.	Scan#	Area	Conc	Units	q
1)	*Bromochloromethane		9.58	203	17584	50.00	UG/KG	98
9)	1,1-Dichloroethene		9.31	196	20757	48.16	UG/KG	93
13)	1,2-Dichloroethane-d4	(Surr)	12.21	271	35618	53.16	UG/KG	92
16)	*1,4-Difluorobenzene		19.72	465	61680	50.00	UG/KG	90
23)	Trichloroethene		16.59	384	29968	46.20	UG/KG	91
26)	Benzene		17.21	400	64834	53.93	UG/KG	92
29)	*Chlorobenzene-d5		24.64	592	60160	50.00	UG/KG	93
34)	Toluene		23.67	567	43938	50.72	UG/KG	93
35)	Toluene-d8	(Surr)	23.48	562	62155	47.88	UG/KG	95
36)	Chlorobenzene		24.76	595	61708	51.37	UG/KG	94
40)	Bromofluorobenzene	(Surr)	29.75	724	53863M	49.41	UG/KG	83

* Compound is ISTD

GC/MS VOLATILE ORGANICS ANALYSIS DATA SHEET
PAGE 1

SAMPLE

QC STD #3724

Lab Name: GALSON LABORATORIES

Client: NYSEG

Task No.: 7360

Matrix: (soil/water) SOIL

Lab Sample ID: 7360-006

Sample wt/vol: 5 g

Lab File ID: >BJ665::D1

Level: (low/med) LOW

Date Received: 00/00/00

% Moisture: not dec.:

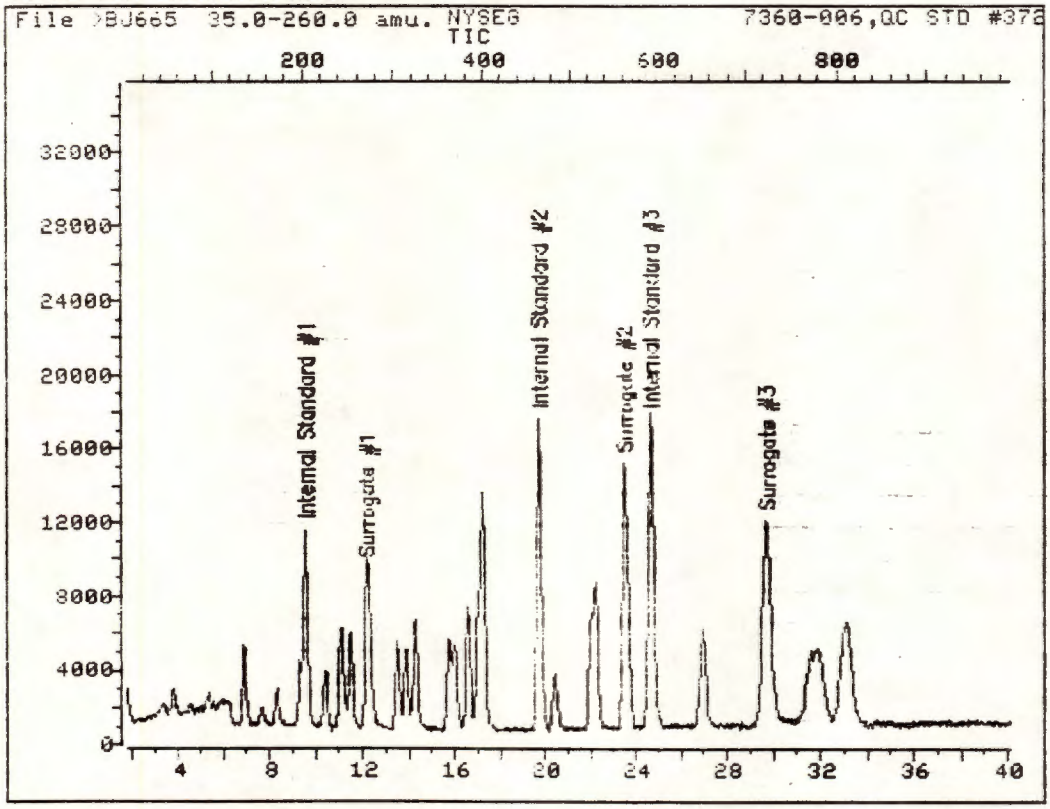
Date Analyzed: 03/13/92

Column: (pack/cap) PACK

Dilution Factor: 1.00

CAS No.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
74-87-3	Chloromethane	9.	J
74-83-9	Bromomethane	18.	
75-01-4	Vinyl Chloride	14.	
75-00-3	Chloroethane	19.	
75-09-2	Methylene Chloride	20.	
67-64-1	Acetone	25.	
75-15-0	Carbon Disulfide	17.	
75-35-4	1,1-Dichloroethene	16.	
75-34-3	1,1-Dichloroethane	19.	
540-59-0	1,2-Dichloroethene (total)	37.	
67-66-3	Chloroform	21.	
107-06-2	1,2-Dichloroethane	23.	
78-93-3	2-Butanone	17.	
71-55-6	1,1,1-Trichloroethane	21.	
56-23-6	Carbon Tetrachloride	20.	
108-05-4	Vinyl Acetate	25.	
75-27-4	Bromodichloromethane	21.	
78-87-5	1,2-Dichloropropane	20.	
10061-01-5	cis-1,3-Dichloropropene	20.	
79-01-6	Trichloroethene	20.	
124-48-1	Dibromochloromethane	22.	
79-00-5	1,1,2-Trichloroethane	22.	
71-43-2	Benzene	19.	
10061-02-6	trans-1,3-Dichloropropene	21.	
75-25-2	Bromoform	23.	
108-10-1	4-Methyl-2-Pentanone	22.	
591-78-6	2-Hexanone	22.	
127-18-4	Tetrachloroethene	19.	
79-34-5	1,1,2,2-Tetrachloroethane	21.	
108-88-3	Toluene	19.	
108-90-7	Chlorobenzene	20.	
100-41-4	Ethylbenzene	20.	
100-42-5	Styrene	20.	
1330-20-7	Xylene (total)	59.	

TOTAL ION CHROMATOGRAM



Data File: >BJ665::D1 Quant Output File: ^BJ665::QT
Name: NYSEG Instrument ID: MS_B
Misc: 7360-006,QC STD #3724,SOIL,5

Id File: BHSLS::SC
Title: CLP protocol-5pt calibration, GC/MS B(#2) BHSLS
Last Calibration: 920313 07:25 Last Qcal Time: 920313 03:32

Operator ID: LARRY
Quant Time : 920313 12:23
Injected at: 920313 11:42

Operator ID: LARRY Quant Rev: 7 Quant Time: 920313 12:23
utput File: ^BJ665::QT Injected at: 920313 11:42
Data File: >BJ665::D1 Dilution Factor: 1.00000
Name: NYSEG Instrument ID: MS_B
Misc: 7360-006,QC STD #3724,SOIL,5

ID File: BHSLS::SC
Title: CLP protocol-5pt calibration, GC/MS B(#2) BHSLS
Last Calibration: 920313 07:25 Last Qcal Time: 920313 03:32

	Compound	R.T.	Scan#	Area	Conc	Units	q
1)	*Bromochloromethane	9.57	203	17019	50.00	UG/KG	98
2)	Chloromethane	2.61	23	1997M	8.89	UG/KG	
3)	Bromomethane	3.81	54	5945	17.99	UG/KG	99
4)	Vinyl Chloride	4.50	72	3014	13.53	UG/KG	83
5)	Chloroethane	5.32	93	3528	18.51	UG/KG	98
6)	Methylene Chloride	6.90	134	9976	20.44	UG/KG	90
7)	Acetone	7.68	154	8670	24.88	UG/KG	82
8)	Carbon Disulfide	8.34	171	17357	16.83	UG/KG	100
9)	1,1-Dichloroethene	9.34	197	6646	15.93	UG/KG	92
10)	1,1-Dichloroethane	10.43	225	17745	19.23	UG/KG	94
11)	1,2-Dichloroethene (total)	11.08	242	17821	37.23	UG/KG	95
12)	Chloroform	11.51	253	22975	21.41	UG/KG	98
13)	1,2-Dichloroethane-d4 (Surr)	12.17	270	36613	56.46	UG/KG	92
14)	1,2-Dichloroethane	12.28	273	18433	22.84	UG/KG	98
15)	2-Butanone	12.40	276	1273	17.09	UG/KG	94
16)	*1,4-Difluorobenzene	19.72	465	64001	50.00	UG/KG	89
17)	1,1,1-Trichloroethane	13.52	305	18230	20.97	UG/KG	88
18)	Carbon Tetrachloride	13.87	314	16020	19.85	UG/KG	88
19)	Vinyl Acetate	14.18	322	4355M	24.67	UG/KG	100
20)	Bromodichloromethane	14.30	325	23712	21.10	UG/KG	90
21)	1,2-Dichloropropane	15.73	362	10820	19.74	UG/KG	97
22)	cis-1,3-Dichloropropene	15.96	368	17621	20.05	UG/KG	94
23)	Trichloroethene	16.58	384	13624	20.24	UG/KG	97
24)	Dibromochloromethane	17.01	395	21814	21.55	UG/KG	97
25)	1,1,2-Trichloroethane	17.20	400	12362	22.24	UG/KG	92
26)	Benzene	17.20	400	23776	19.06	UG/KG	76
27)	trans-1,3-Dichloropropene	17.28	402	13059	21.34	UG/KG	98
28)	Bromoform	19.68	464	19058	23.36	UG/KG	99
29)	*Chlorobenzene-d5	24.63	592	58816	50.00	UG/KG	95
30)	4-Methyl-2-Pentanone	20.41	483	19169	22.01	UG/KG	89
31)	2-Hexanone	22.00	524	16516	21.97	UG/KG	91
32)	Tetrachloroethene	22.23	530	10125	18.53	UG/KG	94
33)	1,1,2,2-Tetrachloroethane	22.00	524	16900	20.98	UG/KG	84
34)	Toluene	23.67	567	16282	19.23	UG/KG	97
35)	Toluene-d8 (Surr)	23.47	562	63567	50.08	UG/KG	96
36)	Chlorobenzene	24.75	595	23619	20.11	UG/KG	89
37)	Ethylbenzene	26.96	652	10634	19.82	UG/KG	99
38)	Styrene	31.60	772	23645	19.59	UG/KG	73
39)	Xylene (total)	33.03	809	40877M	59.19	UG/KG	94
40)	Bromofluorobenzene (Surr)	29.70	723	52965	49.70	UG/KG	95

* Compound is ISTD

GALSON LABORATORIES | INSTRUMENT LOG GC/MS B (#2) | DATE 4/13/92

TUNE FILE: mrBool | INTERNAL STANDARD: 3394 | DATA TAPE:

METHOD FILE: VOA8 | VOLUME INTERNAL STD: 10µl | ANALYST: RMitchell

ID FILE: B#SLS | VOLUME INJ/PURGED: 5ml | SUPERVISOR:

FILE	GTS #	AS #	INITIAL WT/VOL	FINAL VOLUME	% MOIST	CLIENT	DESCRIPTION	COMMENTS
>BJ655	BFB	–	1µl	–	–	QC	50 NG BFB #3509	Ok scan 66 02:37
>BJ656	Std	1	5ml	–	–		50 ppb VOA Std #3719	OK QCAL
>BJ657	Std	4	5ml	–	–		20 ppb VOA Std # 3720	OK BLANK B#SLS
>BJ658	Std	5	5ml	–	–		100 ppb VOA Std # 3721	Stand Cpy 5/13
>BJ659	Std	6	5ml	–	–		150 ppb VOA Std # 3722	
>BJ660	Std	7	5ml	–	–		200 ppb VOA Std # 3723	
7B3661	BLANK	2	5ml				Method Blank	no
7B3662	Blank	2	5ml				Method Blank	OK
7B3663	7360-002	2	5ml	5ml		NYSEG	Holo Blank	OK
7B3664	7360-003	4	5ml				MMS	OK
7B3665	7360-004	5	5ml				QC Ref Std # 3724	OK
7B3666	7360-001	6	5ml	5ml			PYVIXXXX01	QC

F1
F2

0080

TUNE FILE: ~~46 MTBOY~~ INTERNAL STANDARD: 3394 DATA TAPE:

METHOD FILE: VOA35 VOLUME INTERNAL STD: 10ul ANALYST: [illegible]

ID FILE: B4SLS VOLUME INJ/PURGED: 5ml SUPERVISOR: [illegible]

FILE	GTS #	AS #	INITIAL WT/VOL	FINAL VOLUME	% MOIST	CLIENT	DESCRIPTION	COMMENTS
>B3667	BFB	-	1ul	-	-	~~BFB~~ QC	50ng BFB #3509	OK SCAN 67 14:04
>B3668	STD	1st	5ml	5ml	-	↓	50ppb VOA STD #3726	OK QCAL
>B3669	Blank	2	5ml	5ml	-	↓	Method Blank	OK
>B3670	>360-003	4	5g	5ml		NYSEG	PYU1XXXX01 MS	OK
>B3671	>360-004	5	5g	5ml		↓	PYU1XXXX01 MSD	OK

F1
F2

0081

SOIL MOISTURE ANALYSIS

Accompanying method: 8240

CLIENT	GALSON ID	SAMPLE	PAN WT (gm)	NET WET WT (gm)	GROSS DRY WT (gm)	NET DRY WT (gm)	% MOISTURE
WSEC	7360	001	1.49	7.79	7.90	6.41	17.7

Wet weight by: Z Hunt
Dry weight by: Z Hunt
Calculations by: Z Hunt

$$\%\text{Moisture} = \frac{(\text{net wet weight}) - (\text{net dry weight})}{\text{net wet weight}} \times 100$$

GC/MS

SEMI-VOLATILES

QUALITY CONTROL SUMMARY

REVIEWED:

PETER INDICK

2D

SOIL GC/MS SEMIVOLATILE SURROGATE RECOVERY

Lab Name: GALSON LABORATORIES

Client: NYSEG Task No.: 7360

Level: (low/med) LOW

	SAMPLE NO.	S1 (NBZ)#	S2 (FBP)#	S3 (TPH)#	S4 (PHL)#	S5 (2FP)#	S6 (TBP)#	OTHER	TOT OUT
1	BLNK-Q5.0545	85	99	93	79	98	88		0
2	B.S.-Q5.0545	76	91	87	73	88	105		0
3	REF STD #729	77	89	86	73	89	94		0
4	PYVIXXXX01	86	102	96	82	96	96		0
5	PYVIXXXX01MS	79	96	95	79	96	102		0
6	PYVIXXX01MSD	85	100	96	82	98	106		0
7									
8									
9									
10									
11									
12									
13									
14									
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22									
23									
24									
25									
26									
27									
28									
29									
30									

		QC LIMITS
(NBZ)	= Nitrobenzene-d5	(23-120)
(FBP)	= 2-Fluorobiphenyl	(30-115)
(TPH)	= Terphenyl-d14	(18-137)
(PHL)	= Phenol-d6	(24-113)
(2FP)	= 2-Fluorophenol	(25-121)
(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

FORM II SV 1/87 Rev.

3D

SOIL SEMIVOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: GALSON LABORATORIES

Client: NYSEG Task No.: 7360

Matrix Spike - PYVIXXXX01 Level:(low/med) LOW

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC #	QC LIMITS REC.
Phenol	10360.00	0.00	7420.00	72	26- 90
2-Chlorophenol	10360.00	0.00	7800.00	75	25-102
1,4-Dichlorobenzene	5180.00	0.00	3740.00	72	28-104
N-Nitroso-di-n-prop.(1)	5180.00	0.00	3440.00	66	41-126
1,2,4-Trichlorobenzene	5180.00	0.00	3880.00	75	38-107
4-Chloro-3-methylphenol	10360.00	0.00	4850.00	47	26-103
Acenaphthene	5180.00	0.00	4420.00	85	31-137
4-Nitrophenol	10360.00	0.00	4840.00	47	11-114
2,4-Dinitrotoluene	5180.00	0.00	4410.00	85	28- 89
Pentachlorophenol	10360.00	0.00	8320.00	80	17-109
Pyrene	5180.00	100.00	4820.00	91	35-142

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Phenol	8730.00	6220.00	71	1	35	26- 90
2-Chlorophenol	8730.00	6750.00	77	3	50	25-102
1,4-Dichlorobenzene	4365.00	3230.00	74	3	27	28-104
N-Nitroso-di-n-prop.(1)	4365.00	2850.00	65	2	38	41-126
1,2,4-Trichlorobenzene	4365.00	3400.00	78	4	23	38-107
4-Chloro-3-methylphenol	8730.00	6450.00	74	1	33	26-103
Acenaphthene	4365.00	3780.00	87	2	19	31-137
4-Nitrophenol	8730.00	3690.00	42	10	50	11-114
2,4-Dinitrotoluene	4365.00	3690.00	85	1	47	28- 89
Pentachlorophenol	8730.00	7120.00	82	2	47	17-109
Pyrene	4365.00	4290.00	96	6	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 qc limits

RPD: 0 out of 11 outside limits
Spike Recovery: 0 out of 22 outside limits

COMMENTS: _____

_____

3D

SOIL SEMIVOLATILE BLANK SPIKE RECOVERY

Lab Name: GALSON LABORATORIES

Client: NYSEG Task No.: 7360

Blank Spike - Q5-0545 Level: LOW

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC	#	QC LIMITS REC.
Phenol	6660.	0.00	4510.00	69	*	75-125
2-Chlorophenol	6660.	0.00	5070.00	76		75-125
1,4-Dichlorobenzene	3330.	0.00	2410.00	72	*	75-125
N-Nitroso-di-n-prop.(1)	3330.	0.00	2100.00	63	*	75-125
1,2,4-Trichlorobenzene	3330.	0.00	2610.00	78		75-125
4-Chloro-3-methylphenol	6660.	0.00	5020.00	75		75-125
Acenaphthene	3330.	0.00	2820.00	85		75-125
4-Nitrophenol	6660.	0.00	2900.00	44	*	75-125
2,4-Dinitrotoluene	3330.	0.00	2900.00	87		75-125
Pentachlorophenol	6660.	0.00	5310.00	80		75-125
Pyrene	3330.	0.00	3110.00	93		75-125

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

Column to be used to flag recovery with an asterisk
* Values outside of qc limits

Spike Recovery: 4 out of 11 outside limits

COMMENTS: _____

_____

FORM III SV-2 1/87 Rev.

GC/MS SEMIVOLATILE ORGANICS QC CHECK STANDARD RECOVERY

SAMPLE: REF STD #729

b Name: GALSON LABORATORIES

Client: NYSEG

Task No.: 7360

Matrix: (soil/water) SOIL

Lab Sample ID: REF STD

Sample wt/vol: 30.00g

Lab File ID: >DD708::D5

Level: (low/med) LOW

Date Received: 00/00/00

% Moisture: not dec.: 0

Date Extracted:03/12/92

Extraction:(SepF/Cont/Sonc) SONC

Date Analyzed:03/23/92

GPC Cleanup: (Y/N) Y

Dilution Factor: 1.00

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONC. (ug/Kg)	% REC.	LOW HIGH LIMIT
Phenol	1667	1300.	78.	5.-112.
bis(2-Chloroethyl)ether	1667	1100.	63.	12.-158.
2-Chlorophenol	1667	1400.	86.	23.-134.
1,3-Dichlorobenzene	1667	1300.	80.	1.-172.
1,4-Dichlorobenzene	1667	1300.	77.	20.-124.
Benzyl Alcohol	1667	930.	56.	25.-125.
1,2-Dichlorobenzene	1667	1300.	80.	32.-129.
2-Methylphenol	1667	910.	54.	25.-125.
bis(2-Chloroisopropyl)ether	1667	1100.	66.	26.-166.
4-Methylphenol	1667	1100.	65.	25.-125.
N-Nitroso-Di-n-propylamine	1667	1200.	69.	1.-230.
Hexachloroethane	1667	1100.	66.	40.-113.
Nitrobenzene	1667	1300.	79.	35.-180.
Isophorone	1667	1400.	84.	21.-196.
2-Nitrophenol	1667	1100.	66.	29.-182.
2,4-Dimethylphenol	1667	940.	57.	32.-119.
Benzoic Acid	1667	530.	32.	25.-125.
bis(2-Chloroethoxy)methane	1667	1700.	103.	32.-119.
2,4-Dichlorophenol	1667	1400.	84.	39.-135.
1,2,4-Trichlorobenzene	1667	1400.	86.	44.-142.
Naphthalene	1667	1500.	89.	21.-133.
4-Chloroaniline	1667	290.	17.*	25.-125.
Hexachlorobutadiene	1667	1400.	87.	24.-116.
4-Chloro-3-methylphenol	1667	1400.	83.	22.-147.
2-Methylnaphthalene	1667	1500.	91.	25.-125.
Hexachlorocyclopentadiene	1667	590.	35.	25.-125.
2,4,6-Trichlorophenol	1667	1400.	86.	37.-144.
2,4,5-Trichlorophenol	1667	1000.	63.	25.-125.
2-Chloronaphthalene	1667	1600.	94.	25.-125.
2-Nitroaniline	1667	1500.	90.	25.-125.
imethylphthalate	1667	1500.	92.	1.-112.
cenaphthylene	1667	1600.	96.	33.-145.
3-Nitroaniline	1667	880.	53.	25.-125.
Acenaphthene	1667	1700.	100.	47.-145.

* - Denotes recovery outside limits

GC/MS SEMIVOLATILE ORGANICS QC CHECK STANDARD RECOVERY

SAMPLE

REF STD #729

ab Name: GALSON LABORATORIES

Client: NYSEG

Task No.: 7360

Matrix: (soil/water) SOIL

Lab Sample ID: REF STD

Sample wt/vol: 30.00g

Lab File ID: >DD708::D5

Level: (low/med) LOW

Date Received: 00/00/00

% Moisture: not dec.: 0

Date Extracted:03/12/92

Extraction:(SepF/Cont/Sonc) SONC

Date Analyzed:03/23/92

GPC Cleanup: (Y/N) Y

Dilution Factor: 1.00

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONC. (ug/Kg)	% REC.	LOW HIGH LIMIT
2,4-Dinitrophenol	1667	360.	22.	1.-191.
4-Nitrophenol	1667	880.	53.	1.-132.
Dibenzofuran	1667	1600.	99.	25.-125.
2,4-Dinitrotoluene	1667	1500.	93.	39.-139.
2,6-Dinitrotoluene	1667	1500.	87.	50.-158.
Diethylphthalate	1667	1500.	93.	1.-114.
4-Chlorophenyl-phenylether	1667	2000.	118.	25.-158.
Fluorene	1667	1700.	100.	59.-121.
4-Nitroaniline	1667	840.	51.	25.-125.
4,6-Dinitro-2-methylphenol	1667	1000.	61.	25.-125.
N-Nitrosodiphenylamine	1667	1500.	90.	25.-125.
4-Bromophenyl-phenylether	1667	1500.	90.	53.-127.
Hexachlorobenzene	1667	1600.	96.	1.-152.
Pentachlorophenol	1667	610.	36.	14.-176.
Phenanthrene	1667	1700.	103.	54.-120.
Anthracene	1667	1600.	93.	27.-133.
Di-n-Butylphthalate	1667	1500.	90.	1.-118.
Fluoranthene	1667	1600.	97.	26.-137.
Pyrene	1667	1700.	101.	51.-115.
Butylbenzylphthalate	1667	1600.	93.	1.-152.
3,3'-Dichlorobenzidine	1667	380.	23.	1.-262.
Benzo(a)Anthracene	1667	1500.	90.	33.-143.
Bis(2-Ethylhexyl)Phthalate	1667	1500.	90.	8.-158.
Chrysene	1667	1700.	104.	17.-168.
Di-n-octylphthalate	1667	1200.	69.	4.-146.
Benzo(b)Fluoranthene	1667	1200.	70.	24.-159.
Benzo(k)Fluoranthene	1667	1500.	90.	11.-162.
Benzo(a)Pyrene	1667	1200.	73.	17.-163.
Indeno(1,2,3-cd)Pyrene	1667	1200.	70.	1.-171.
Dibenzo(a,h)Anthracene	1667	1100.	66.	1.-227.
Benzo(g,h,i)Perylene	1667	1200.	72.	1.-219.

* - Denotes recovery outside limits

Spike Recovery: 1 of 65 outside limits

GC/MS SEMIVOLATILE METHOD BLANK SUMMARY

Lab Name: GALSON LABORATORIES

Client: NYSEG Task No.: 7360

Lab File ID: >DD706 Lab Sample ID: Q5-0545

Date Extracted: 03/12/92 Extraction:(SepF/Cont/Sonc) SONC

Date Analyzed : 03/23/92 Time Analyzed: 14:59

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

Instrument ID: D

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

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
1	B.S.-Q5.0545	Q5-0545BS	>DD707	03/23/92
2	REF STD #729	REF STD	>DD708	03/23/92
3	PYVIXXXX01	7360-001	>DD709	03/23/92
4	PYVIXXXX01MS	7360-003	>DD710	03/23/92
5	PYVIXXX01MSD	7360-004	>DD711	03/23/92
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COMMENTS: _____

5B

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

Lab Name: GALSON LABORATORIES

Client: NYSEG

Task No.: 7360

Lab File ID: >DD577

DFTPP Injection Date: 02/26/92

Instrument ID: D (#4)

DFTPP Injection Time: 11:54

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 60.0% of mass 198	52.7
68	Less than 2.0% of mass 69	0.0(0.0)1
69	Mass 69 relative abundance	65.4
70	Less than 2.0% of mass 69	0.3(0.5)1
127	40.0 - 60.0% of mass 198	49.4
197	Less than 1.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100.
199	5.0 - 9.0% of mass 198	6.7
275	10.0 - 30.0% of mass 198	19.2
365	Greater than 1.00% of mass 198	2.5
441	Present, but less than mass 443	6.1(76.7)
442	Greater than 40.0% of mass 198	42.0
443	17.0 - 23.0% of mass 442	8.0(19.1)2

1-Value is % mass 69

2-Value is % mass 442

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

	SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	160 PPM STD	160PPM BNA STD	>DD578	02/26/92	12:11
02	120 PPM STD	120PPM BNA STD	>DD579	02/26/92	13:16
03	80 PPM STD	80 PPM BNA STD	>DD580	02/26/92	14:20
04	50 PPM STD	50 PPM BNA STD	>DD581	02/26/92	15:24
05	20 PPM STD	20 PPM BNA STD	>DD582	02/26/92	16:29
06					
07					
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22					

5B

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

La Name: GALSON LABORATORIES

Client: NYSEG

Task No.: 7360

Lab File ID: >DD700

DFTPP Injection Date: 03/23/92

Instrument ID: D (#4)

DFTPP Injection Time: 09:19

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 60.0% of mass 198	54.2
68	Less than 2.0% of mass 69	0.0(0.0)1
69	Mass 69 relative abundance	63.4
70	Less than 2.0% of mass 69	0.7(1.2)1
127	40.0 - 60.0% of mass 198	43.2
197	Less than 1.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100.
199	5.0 - 9.0% of mass 198	6.7
275	10.0 - 30.0% of mass 198	24.1
365	Greater than 1.00% of mass 198	4.0
441	Present, but less than mass 443	13.5(76.5)
442	Greater than 40.0% of mass 198	91.0
443	17.0 - 23.0% of mass 442	17.7(19.5)2

1-Value is % mass 69

2-Value is % mass 442

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

	SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	50 PPM STD	50 PPM BNA STD	>DD701	03/23/92	09:37
02	Q5-0545	BLNK-Q5.0545	>DD706	03/23/92	14:59
03	Q5-0545 BS	B.S.-Q5.0545	>DD707	03/23/92	16:03
04	REF STD	REF STD #729	>DD708	03/23/92	17:08
05	PYVIXXXX01	7360-001	>DD709	03/23/92	18:12
06	PYVIXXXX01MS	7360-003	>DD710	03/23/92	19:17
07	PYVIXXX01MSD	7360-004	>DD711	03/23/92	20:23
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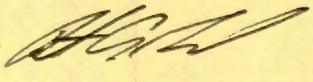
GC/MS

SEMI-VOLATILES

SAMPLE DATA

REVIEWED: 

PETER INDICK

GC/MS SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
PAGE 1

SAMPLE: PYVIXXXX01

ab Name: GALSON LABORATORIES

Client: NYSEG

Task No.: 7360

Matrix: (soil/water) SOIL

Lab Sample ID: 7360-001

Sample wt/vol: 30.13g

Lab File ID: >DD709::D5

Level: (low/med) LOW

Date Received: 03/07/92

% Moisture: not dec.: 15

Date Extracted:03/12/92

Extraction:(SepF/Cont/Sonc) SONC

Date Analyzed:03/23/92

GPC Cleanup: (Y/N) Y

Dilution Factor: 1.00

CAS No.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
108-95-2	Phenol	780.	U
111-44-4	bis(2-Chloroethyl)ether	780.	U
95-57-8	2-Chlorophenol	780.	U
541-73-1	1,3-Dichlorobenzene	780.	U
106-46-7	1,4-Dichlorobenzene	780.	U
100-51-6	Benzyl Alcohol	780.	U
95-50-1	1,2-Dichlorobenzene	780.	U
95-48-7	2-Methylphenol	780.	U
39638-32-9	bis(2-Chloroisopropyl)ether	780.	U
106-44-5	4-Methylphenol	780.	U
621-64-7	N-Nitroso-Di-n-propylamine	780.	U
67-72-1	Hexachloroethane	780.	U
98-95-3	Nitrobenzene	780.	U
78-59-1	Isophorone	780.	U
88-75-5	2-Nitrophenol	780.	U
105-67-9	2,4-Dimethylphenol	780.	U
65-85-0	Benzoic Acid	780.	U
111-91-1	bis(2-Chloroethoxy)methane	780.	U
120-83-2	2,4-Dichlorophenol	780.	U
120-82-1	1,2,4-Trichlorobenzene	780.	U
91-20-3	Naphthalene	140.	J
106-47-8	4-Chloroaniline	780.	U
87-68-3	Hexachlorobutadiene	780.	U
59-50-7	4-Chloro-3-methylphenol	780.	U
91-57-6	2-Methylnaphthalene	780.	U
77-47-4	Hexachlorocyclopentadiene	780.	U
88-06-2	2,4,6-Trichlorophenol	780.	U
95-95-4	2,4,5-Trichlorophenol	3900.	U
91-58-7	2-Chloronaphthalene	780.	U
88-74-4	2-Nitroaniline	3900.	U
131-11-3	Dimethylphthalate	780.	U
208-96-8	Acenaphthylene	35.	J
99-09-2	3-Nitroaniline	3900.	U
83-32-9	Acenaphthene	780.	U

GC/MS SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
PAGE 2

SAMPLE: PYVIXXXX01

Lab Name: GALSON LABORATORIES

Client: NYSEG — Task No.: 7360

Matrix: (soil/water) SOIL — Lab Sample ID: 7360-001

Sample wt/vol: 30.13g — Lab File ID: >DD709::D5

Level: (low/med) LOW — Date Received: 03/07/92

% Moisture: not dec.: 15 — Date Extracted:03/12/92

Extraction:(SepF/Cont/Sonc) SONC — Date Analyzed:03/23/92

GPC Cleanup: (Y/N) Y — Dilution Factor: 1.00

CAS No.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
51-28-5	2,4-Dinitrophenol	3900.	U
100-02-7	4-Nitrophenol	3900.	U
132-64-9	Dibenzofuran	43.	J
121-14-2	2,4-Dinitrotoluene	780.	U
606-20-2	2,6-Dinitrotoluene	780.	U
84-66-2	Diethylphthalate	780.	U
7005-72-3	4-Chlorophenyl-phenylether	780.	U
86-73-7	Fluorene	780.	U
100-01-6	4-Nitroaniline	3900.	U
534-52-1	4,6-Dinitro-2-methylphenol	3900.	U
86-30-6	N-Nitrosodiphenylamine	780.	U
101-55-3	4-Bromophenyl-phenylether	780.	U
118-74-1	Hexachlorobenzene	780.	U
87-86-5	Pentachlorophenol	3900.	U
85-01-8	Phenanthrene	220.	J
120-12-7	Anthracene	49.	J
84-74-2	Di-n-Butylphthalate	140.	J
206-44-0	Fluoranthene	120.	J
129-00-0	Pyrene	100.	J
85-68-7	Butylbenzylphthalate	780.	U
91-94-1	3,3'-Dichlorobenzidine	1600.	U
56-55-3	Benzo(a)Anthracene	780.	U
117-81-7	Bis(2-Ethylhexyl)Phthalate	130.	J
218-01-9	Chrysene	780.	U
117-84-0	Di-n-octylphthalate	780.	U
205-99-2	Benzo(b)Fluoranthene	780.	U
207-08-9	Benzo(k)Fluoranthene	780.	U
50-32-8	Benzo(a)Pyrene	780.	U
193-39-5	Indeno(1,2,3-cd)Pyrene	780.	U
53-70-3	Dibenzo(a,h)Anthracene	780.	U
191-24-2	Benzo(g,h,i)Perylene	780.	U

1E

SAMPLE

GC/MS SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

PYVIXXXX01

Lab Name: GALSON LABORATORIES

Client: NYSEG

Task No.: 7360

Matrix: (soil/water) SOIL

Lab Sample ID: 7360-001

Sample wt/vol: 30.13g

Lab File ID: >DD709::D5

Level: (low/med) LOW

Date Received : 03/07/92

% Moisture: not dec.: 15

Date Extracted: 03/12/92

Extraction:(SepF/Cont/Sonc) SONC

Date Analyzed : 03/23/92

GPC Cleanup: (Y/N) Y

Dilution Factor: 1.00

Number TICs Found: 1

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/Kg

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		Unknown	6.89	740.	B J
2.					
3.					
4.					
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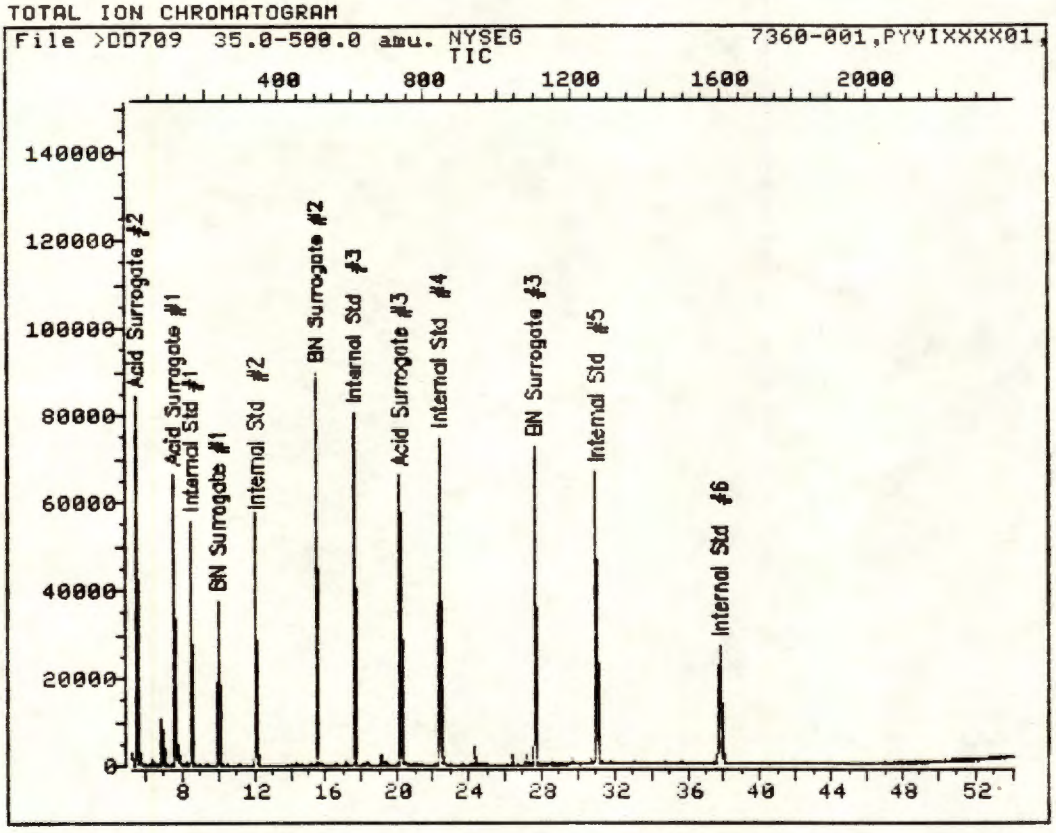
TOTAL ION CHROMATOGRAM



Data File: >DD709::D5 Quant Output File: ^DD709::QT
Name: NYSEG Instrument ID: MS_D
Misc: 7360-001,PYVIXXXX01,SOIL,30.13,2,15 BTL# 8

Id File: DBNA::SC
Title: HSL BNA ANALYSIS GC/MS D(#4)
Last Calibration: 920227 10:32 Last Qcal Time: 920323 09:37

Operator ID: PETE
Quant Time : 920323 19:07
Injected at: 920323 18:12

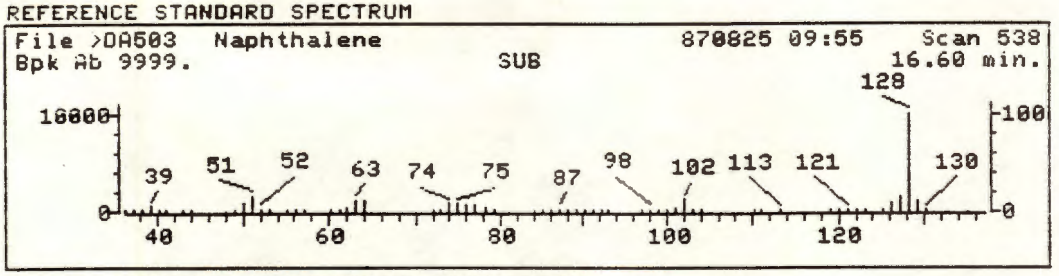
Operator ID: PETE Quant Rev: 7 Quant Time: 920323 19:07
Output File: ^DD709::QT Injected at: 920323 18:12
Data File: >DD709::D5 Dilution Factor: 1.00000
Name: NYSEG Instrument ID: MS_D
Misc: 7360-001,PYVIXXXX01,SOIL,30.13,2,15 BTL# 8

ID File: DBNA::SC
Title: HSL BNA ANALYSIS GC/MS D(#4)
Last Calibration: 920227 10:32 Last Qcal Time: 920323 09:37

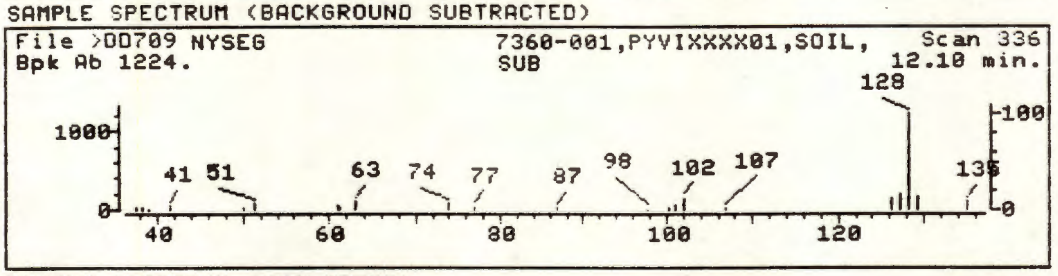
	Compound	R.T.	Scan#	Area	Conc	Units	q
1)	*d4-1,4-Dichlorobenzene	8.47	158	21932	40.00	NG	94
2)	2-Fluorophenol	5.52	13	53393	95.57	NG	63
3)	Phenol-d6	7.52	111	66085	81.90	NG	78
16)	*d8-Naphthalene	12.04	333	83687	40.00	NG	90
17)	Nitrobenzene-d5	9.96	231	28917	43.06	NG	94
26)	Naphthalene	12.10	336	3718	1.82	NG	97
31)	*d10-Acenaphthene	17.58	605	53127	40.00	NG	97
36)	2-Fluorobiphenyl	15.44	500	78448	50.90	NG	95
39)	Acenaphthylene	17.11	582	1115	.452	NG	86
44)	Dibenzofuran	18.25	638	1216	.548	NG	100
51)	*d10-Phenanthrene	22.38	841	90890	40.00	NG	99
54)	2,4,6-Tribromophenol	20.12	730	27666	96.29	NG	95
58)	Phenanthrene	22.46	845	7175	2.84	NG	91
59)	Anthracene	22.63	853	1596	.630	NG	99
60)	Di-n-Butylphthalate	24.36	938	7417	1.80	NG	96
61)	Fluoranthene	26.35	1036	4318	1.56	NG	98
62)	*d12-Chrysene	31.02	1265	84340	40.00	NG	98
63)	Pyrene	27.08	1072	3633	1.28	NG	99
64)	Terphenyl-d14	27.61	1098	81102	48.15	NG	96
68)	Bis(2-Ethylhexyl)Phthalate	31.10	1269	4332	1.71	NG	92
70)	*d12-Perylene	37.76	1596	70985	40.00	NG	92

* Compound is ISTD

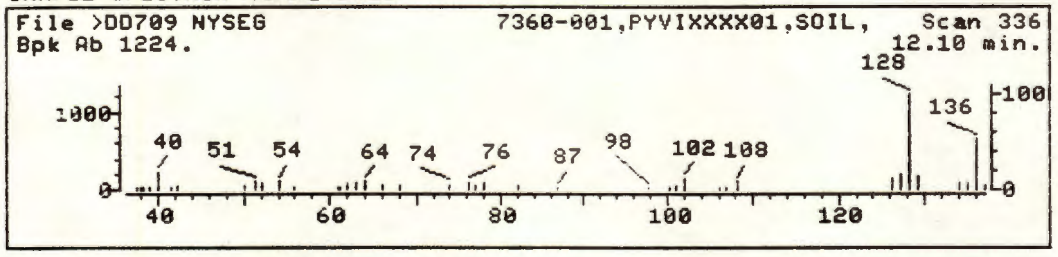
REFERENCE STANDARD SPECTRUM



SAMPLE SPECTRUM (BACKGROUND SUBTRACTED)



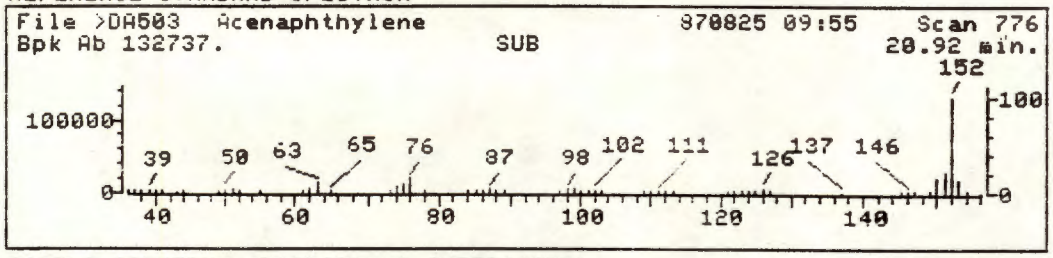
SAMPLE SPECTRUM (UNALTERED)



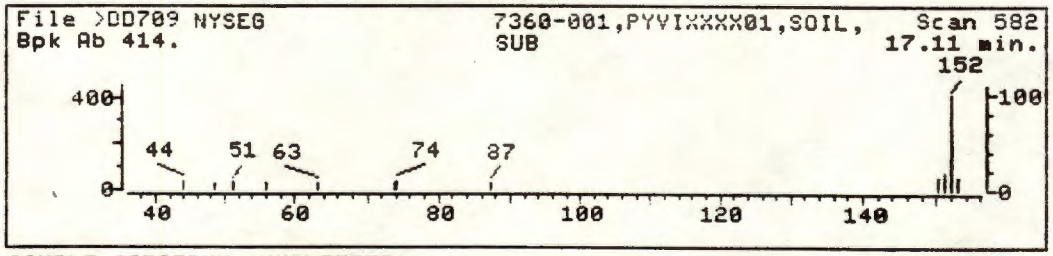
Data File: >DD709::D5 Quant Output File: ^DD709::QT
Name: NYSEG Instrument ID: MS_D
Misc: 7360-001,PYVIXXXX01,SOIL,30.13,2,15 BTL# 8
Quant Time: 920323 19:07 Quant ID File: DBNA::SC
Injected at: 920323 18:12 Last Calibration: 920227 10:32
Last Qcal Time: 920323 09:37

Compound No : 26
Compound Name : Naphthalene
Scan Number : 336
Retention Time: 12.10 min.
Quant Ion : 128.0
Area : 3718
Concentration : 1.82 NG
q-value : 97

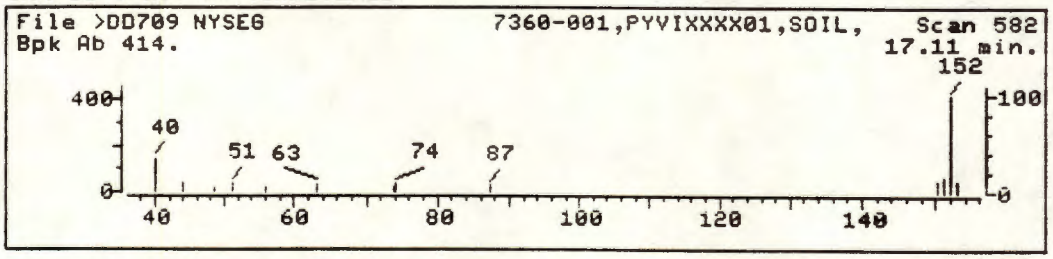
REFERENCE STANDARD SPECTRUM



SAMPLE SPECTRUM (BACKGROUND SUBTRACTED)



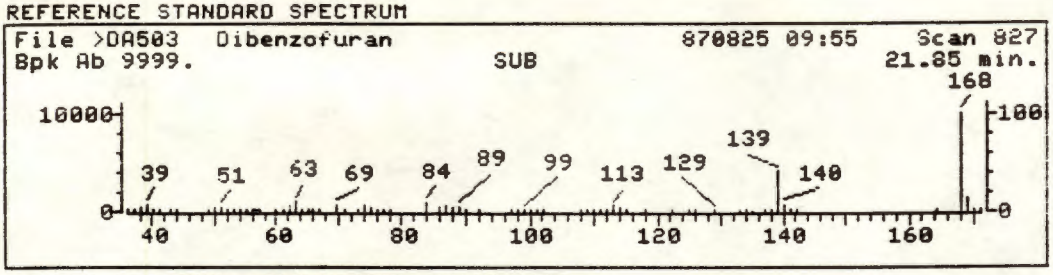
SAMPLE SPECTRUM (UNALTERED)



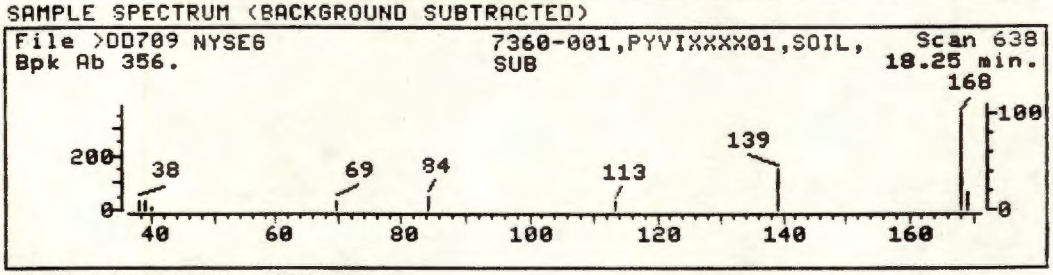
Data File: >DD709::D5 Quant Output File: ^DD709::QT
Name: NYSEG Instrument ID: MS_D
Misc: 7360-001,PYVIXXXX01,SOIL,30.13,2,15 BTL# 8
Quant Time: 920323 19:07 Quant ID File: DBNA::SC
Injected at: 920323 18:12 Last Calibration: 920227 10:32
Last Qcal Time: 920323 09:37

Compound No : 39
Compound Name : Acenaphthylene
Scan Number : 582
Retention Time: 17.11 min.
Quant Ion : 152.0
Area : 1115
Concentration : .452 NG
q-value : 86

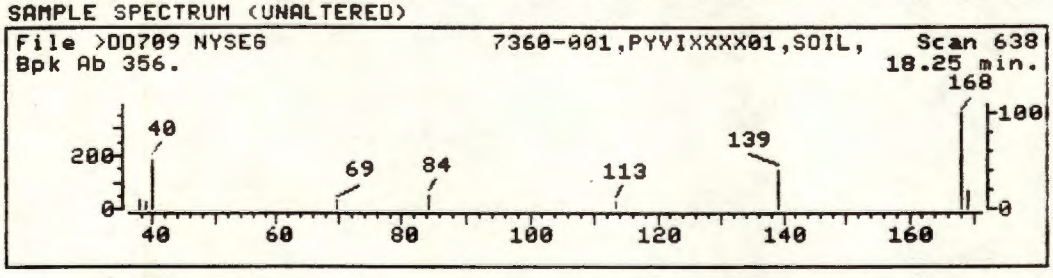
REFERENCE STANDARD SPECTRUM



SAMPLE SPECTRUM (BACKGROUND SUBTRACTED)



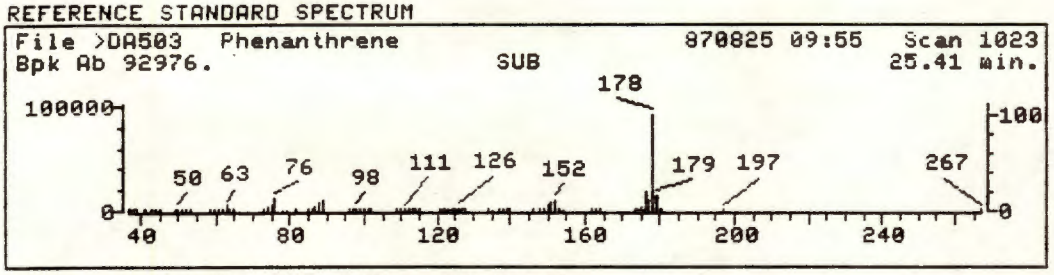
SAMPLE SPECTRUM (UNALTERED)



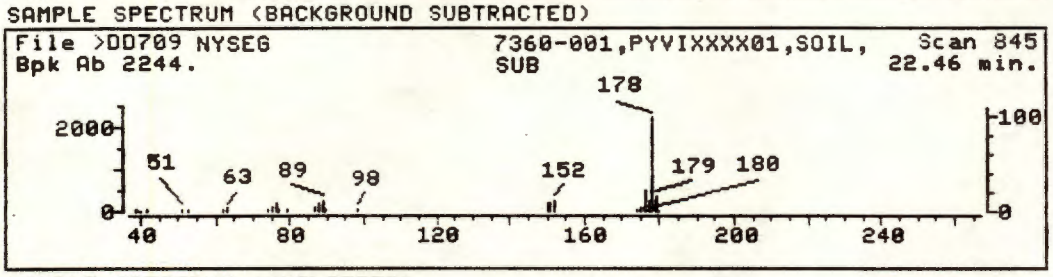
Data File: >DD709::D5 Quant Output File: ^DD709::QT
Name: NYSEG Instrument ID: MS_D
Misc: 7360-001,PYVIXXXX01,SOIL,30.13,2,15 BTL# 8
Quant Time: 920323 19:07 Quant ID File: DBNA::SC
Injected at: 920323 18:12 Last Calibration: 920227 10:32
Last Qcal Time: 920323 09:37

Compound No : 44
Compound Name : Dibenzofuran
Scan Number : 638
Retention Time: 18.25 min.
Quant Ion : 168.0
Area : 1216
Concentration : .548 NG
q-value : 100

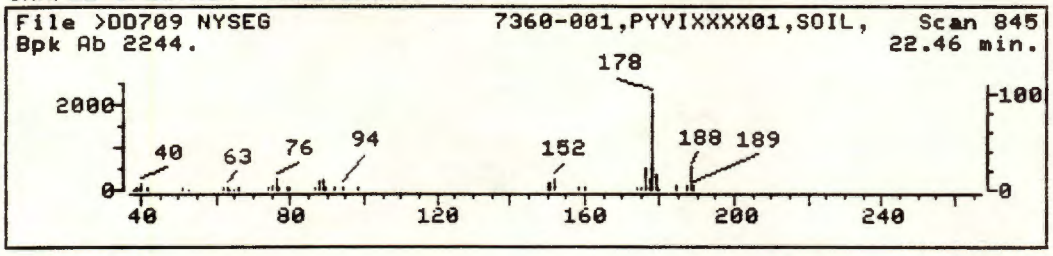
REFERENCE STANDARD SPECTRUM



SAMPLE SPECTRUM (BACKGROUND SUBTRACTED)



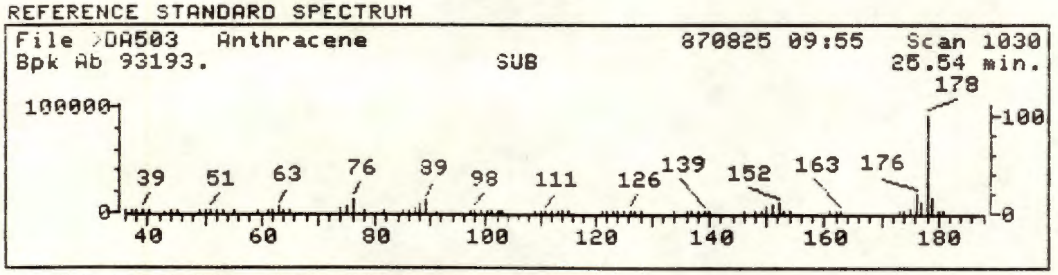
SAMPLE SPECTRUM (UNALTERED)



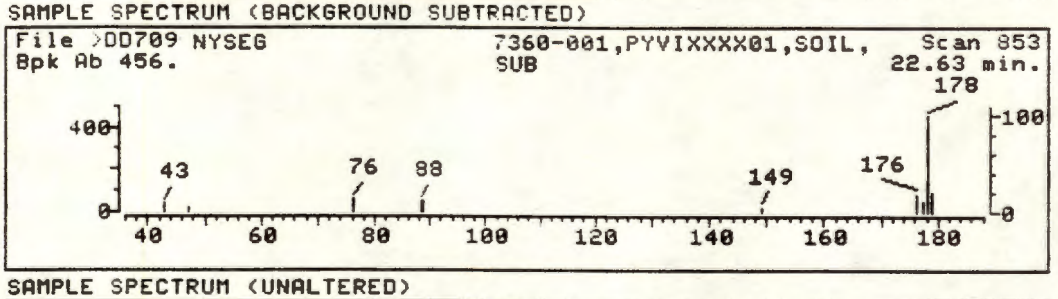
Data File: >DD709::D5 Quant Output File: ^DD709::QT
Name: NYSEG Instrument ID: MS_D
Misc: 7360-001,PYVIXXXX01,SOIL,30.13,2,15 BTL# 8
Quant Time: 920323 19:07 Quant ID File: DBNA::SC
Injected at: 920323 18:12 Last Calibration: 920227 10:32
Last Qcal Time: 920323 09:37

Compound No : 58
Compound Name : Phenanthrene
Scan Number : 845
Retention Time: 22.46 min.
Quant Ion : 178.0
Area : 7175
Concentration : 2.84 NG
q-value : 91

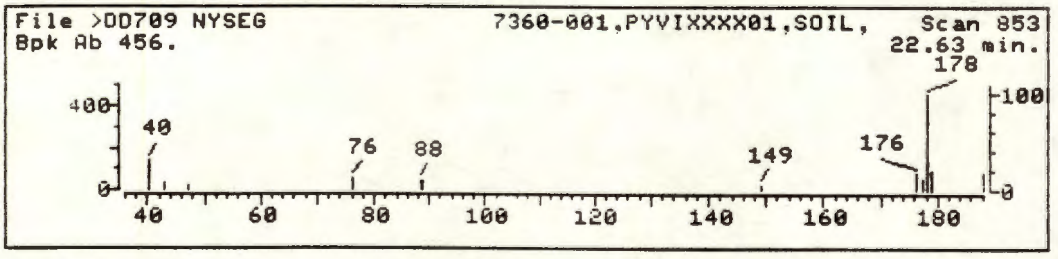
REFERENCE STANDARD SPECTRUM



SAMPLE SPECTRUM (BACKGROUND SUBTRACTED)



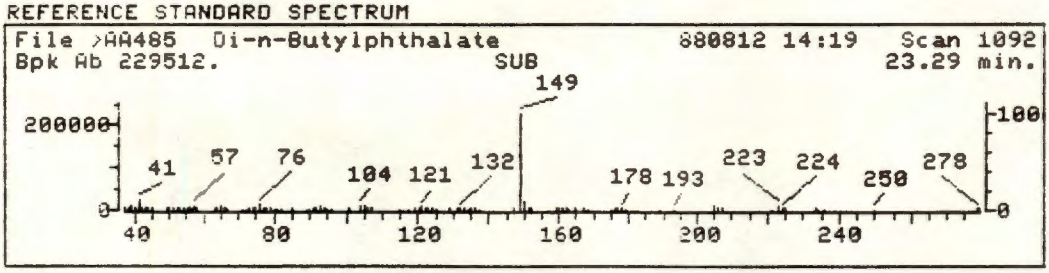
SAMPLE SPECTRUM (UNALTERED)



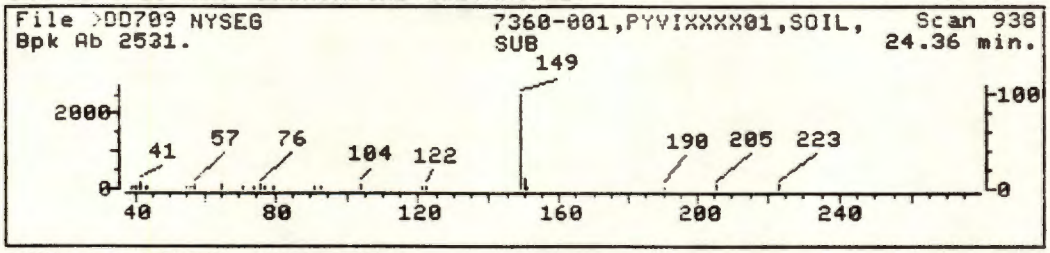
Data File: >DD709::D5 Quant Output File: ^DD709::QT
Name: NYSEG Instrument ID: MS_D
Misc: 7360-001,PYVIXXXX01,SOIL,30.13,2,15 BTL# 8
Quant Time: 920323 19:07 Quant ID File: DBNA::SC
Injected at: 920323 18:12 Last Calibration: 920227 10:32
Last Qcal Time: 920323 09:37

Compound No : 59
Compound Name : Anthracene
Scan Number : 853
Retention Time: 22.63 min.
Quant Ion : 178.0
Area : 1596
Concentration : .630 NG
q-value : 99

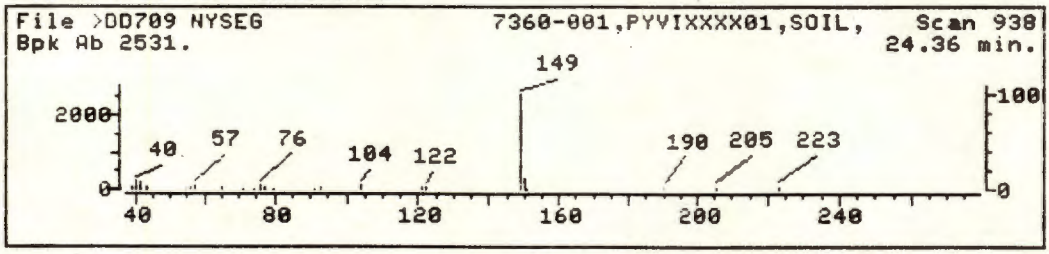
REFERENCE STANDARD SPECTRUM



SAMPLE SPECTRUM (BACKGROUND SUBTRACTED)



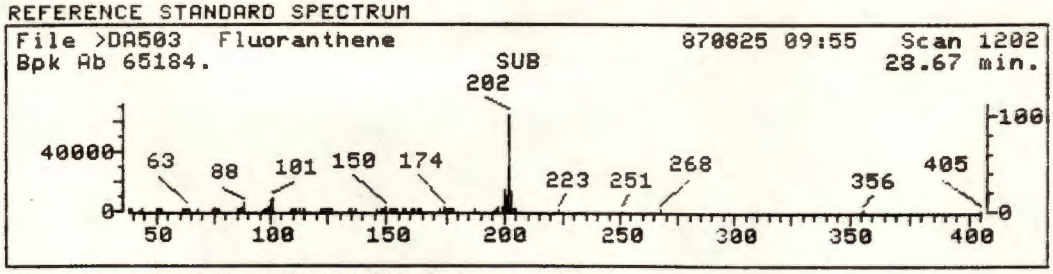
SAMPLE SPECTRUM (UNALTERED)



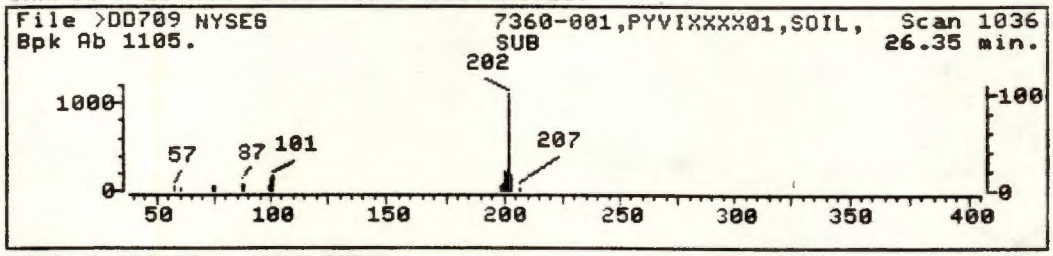
Data File: >DD709::D5 Quant Output File: ^DD709::QT
Name: NYSEG Instrument ID: MS_D
Misc: 7360-001,PYVIXXXX01,SOIL,30.13,2,15 BTL# 8
Quant Time: 920323 19:07 Quant ID File: DBNA::SC
Injected at: 920323 18:12 Last Calibration: 920227 10:32
Last Qcal Time: 920323 09:37

Compound No : 60
Compound Name : Di-n-Butylphthalate
Scan Number : 938
Retention Time: 24.36 min.
Quant Ion : 149.0
Area : 7417
Concentration : 1.80 NG
q-value : 96

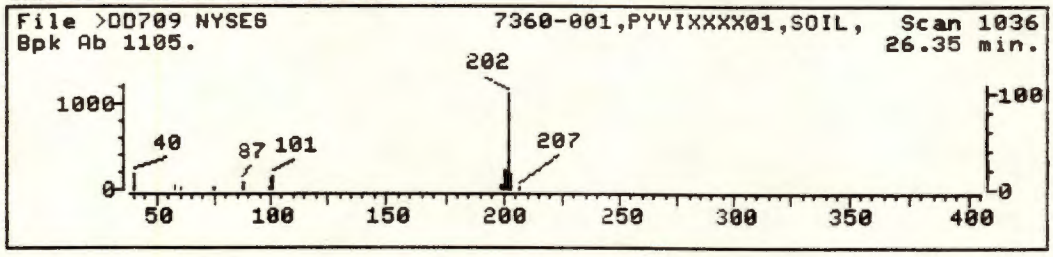
REFERENCE STANDARD SPECTRUM



SAMPLE SPECTRUM (BACKGROUND SUBTRACTED)



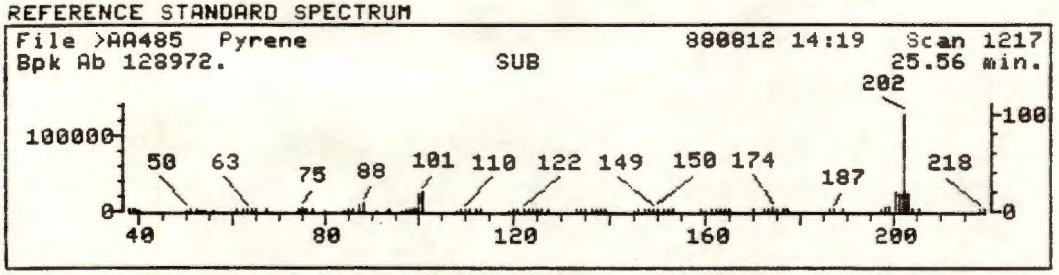
SAMPLE SPECTRUM (UNALTERED)



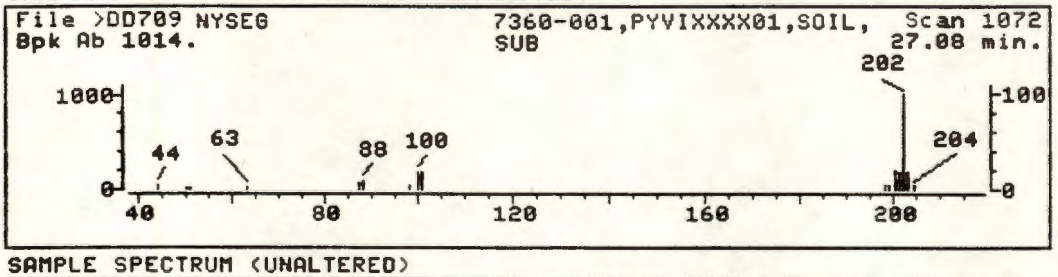
Data File: >DD709::D5 Quant Output File: ^DD709::QT
Name: NYSEG Instrument ID: MS_D
Misc: 7360-001,PYVIXXXX01,SOIL,30.13,2,15 BTL# 8
Quant Time: 920323 19:07 Quant ID File: DBNA::SC
Injected at: 920323 18:12 Last Calibration: 920227 10:32
Last Qcal Time: 920323 09:37

Compound No : 61
Compound Name : Fluoranthene
Scan Number : 1036
Retention Time: 26.35 min.
Quant Ion : 202.0
Area : 4318
Concentration : 1.56 NG
q-value : 98

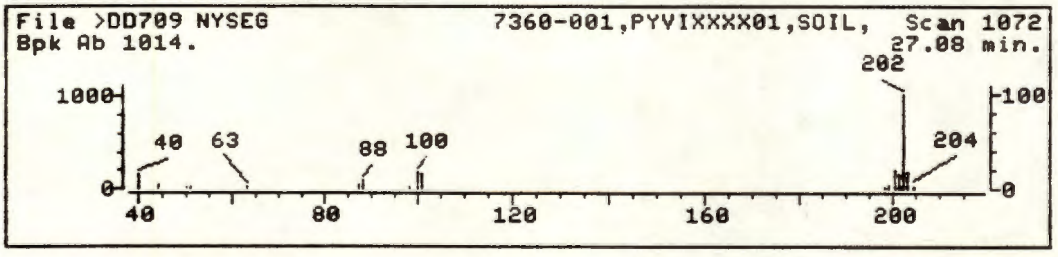
REFERENCE STANDARD SPECTRUM



SAMPLE SPECTRUM (BACKGROUND SUBTRACTED)



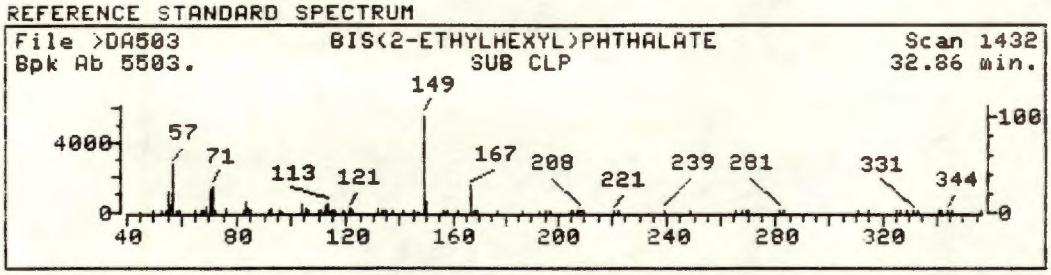
SAMPLE SPECTRUM (UNALTERED)



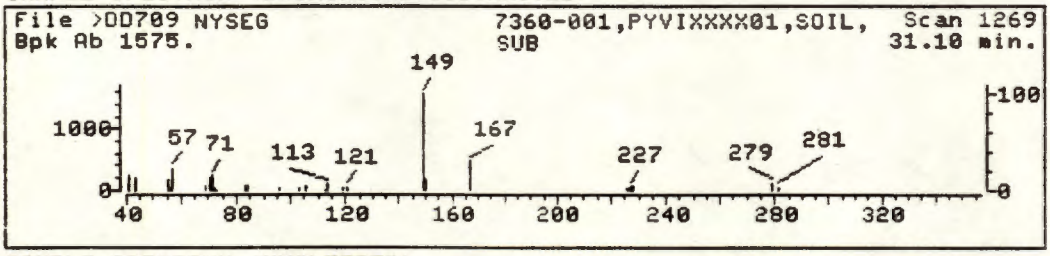
Data File: >DD709::D5 Quant Output File: ^DD709::QT
Name: NYSEG Instrument ID: MS_D
Misc: 7360-001,PYVIXXXX01,SOIL,30.13,2,15 BTL# 8
Quant Time: 920323 19:07 Quant ID File: DBNA::SC
Injected at: 920323 18:12 Last Calibration: 920227 10:32
Last Qcal Time: 920323 09:37

Compound No : 63
Compound Name : Pyrene
Scan Number : 1072
Retention Time: 27.08 min.
Quant Ion : 202.0
Area : 3633
Concentration : 1.28 NG
q-value : 99

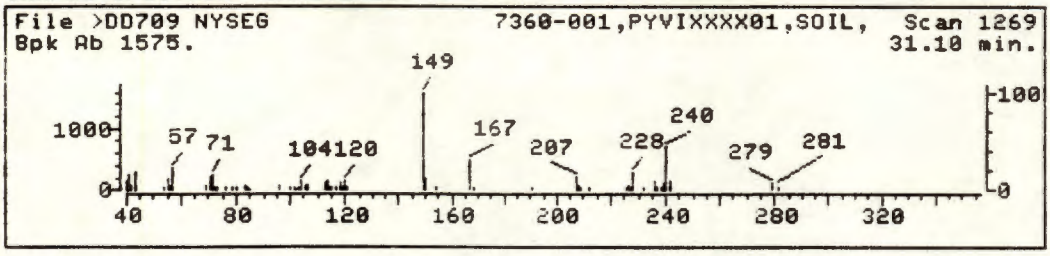
REFERENCE STANDARD SPECTRUM



SAMPLE SPECTRUM (BACKGROUND SUBTRACTED)

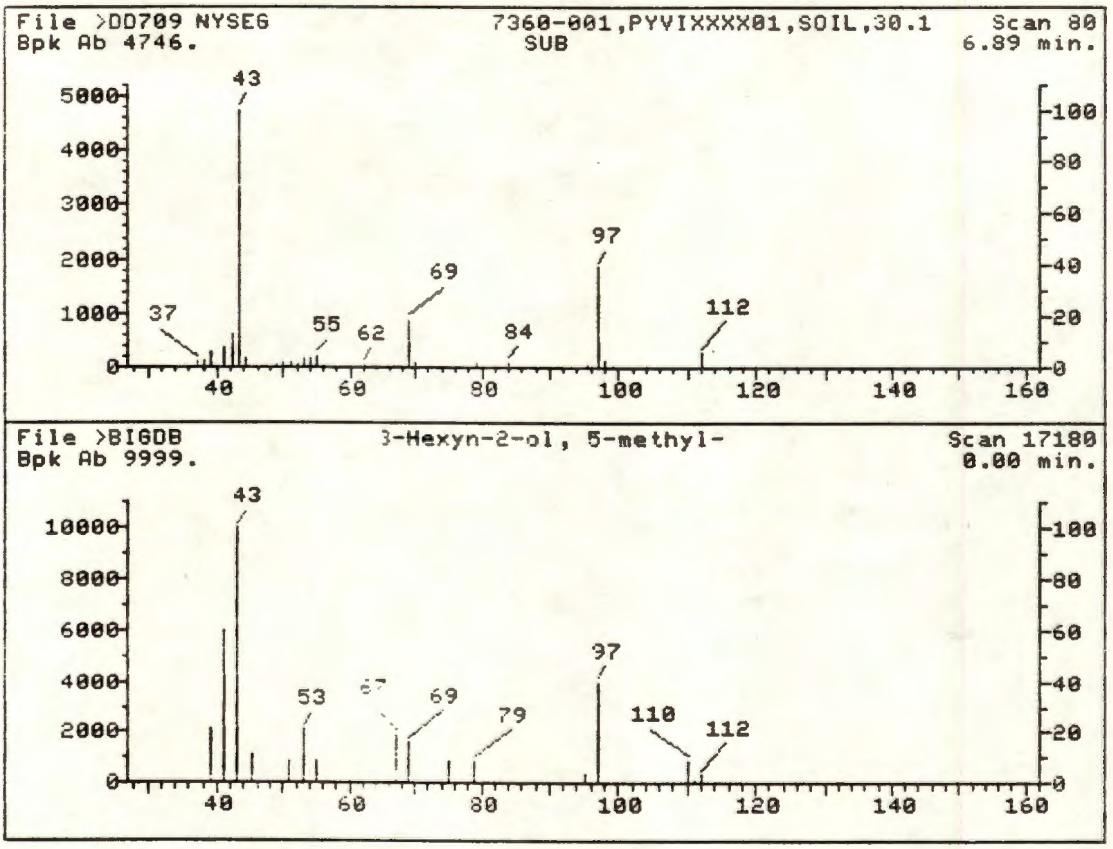


SAMPLE SPECTRUM (UNALTERED)



Data File: >DD709::D5 Quant Output File: ^DD709::QT
Name: NYSEG Instrument ID: MS_D
Misc: 7360-001,PYVIXXXX01,SOIL,30.13,2,15 BTL# 8
Quant Time: 920323 19:07 Quant ID File: DBNA::SC
Injected at: 920323 18:12 Last Calibration: 920227 10:32
Last Qcal Time: 920323 09:37

Compound No : 68
Compound Name : Bis(2-Ethylhexyl)Phthalate
Scan Number : 1269
Retention Time: 31.10 min.
Quant Ion : 149.0
Area : 4332
Concentration : 1.71 NG
q-value : 92



Instrument ID: MS_D Analyzed on: 3/23/92 18:12
Result 1 in PBM results file: LDD709
Retention Time: 6.89 Area: 32191 Tentative Conc: 740.00
The Internal Standard area is 135249

1. 3-Hexyn-2-ol, 5-methyl- 112 C7H12O

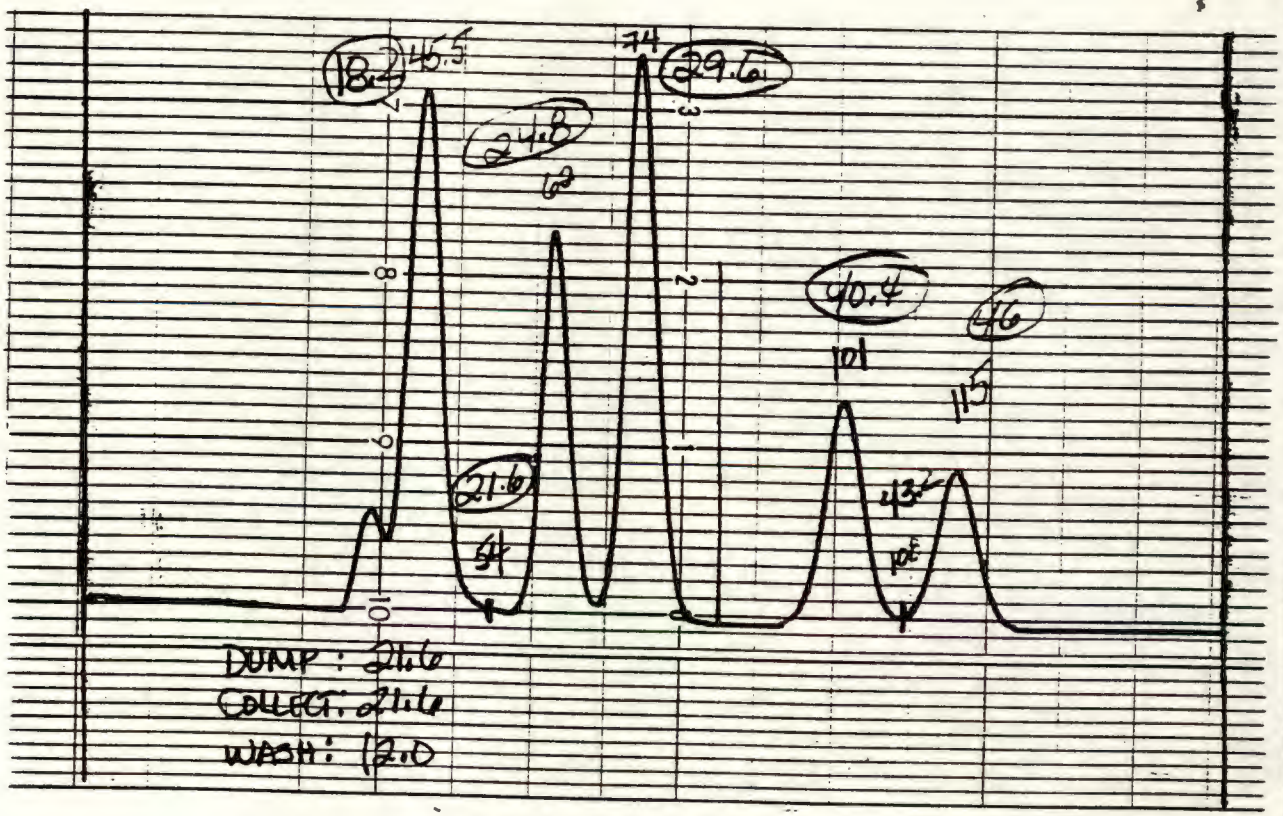
Sample file: >DD709 Spectrum #: 80
Search speed: 2 Tilting option: S No. of ion ranges searched: 36

	Prob.	CAS #	CON #	ROOT	K	DK	#FLG	TILT	%	CON	C_I	R_IV
1.	37*	23293507	17180	"BIGDB	26	65	2	0	99	30	14	14

GPC LOG

Analyst/Date [illegible] 11-16-92 Solvent Flow Rate 5.0 ml/min
Temperature 21°C Pressure w/Detector 8 psi
Chart Speed 2.5 cm/min Detector Range 0.2 AUFS
Calibration Stock # 007
load time: 9.4 sec.

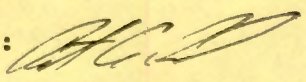
Port #	Sample #	Analysis	Comments	Port #	Sample #	Analysis	Comments
1	Calibration		reinsid tube				
1	GPC blank	8270	for reuse				
2	Blank		050545.EN				
3	BS						
4	Chk Std						
5	7360-001						
6	003 MS						
7	004 MSD						



GC/MS

SEMI-VOLATILES

STANDARDS DATA

REVIEWED: 

PETER INDICK

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: GALSON LABORATORIES

Client: NYSEG Task No.: 7360

Instrument ID: GCMS D (#4) Calibration Date(s): 02/26/92

Min $\overline{RRF}$ for SPCC(#) = 0.050 Max %RSD for CCC(*) = 30.0%

LAB FILE ID: RRF20 =>DD582 RRF50 =>DD581
RRF80 =>DD580 RRF120=>DD579 RRF160=>DD578

COMPOUND	RRF20	RRF50	RRF80	RRF120	RRF160	$\overline{RRF}$	% RSD
Phenol*	1.853	1.675	1.641	1.558	1.593	1.664	6.9*
bis(2-Chloroethyl)ether	1.572	1.450	1.430	1.398	1.374	1.445	5.3
2-Chlorophenol	1.532	1.444	1.416	1.401	1.392	1.437	3.9
1,3-Dichlorobenzene	1.649	1.498	1.453	1.405	1.352	1.471	7.7
1,4-Dichlorobenzene*	1.678	1.542	1.479	1.426	1.372	1.500	7.9*
Benzyl alcohol	.896	.845	.865	.878	.884	.874	2.2
1,2-Dichlorobenzene	1.622	1.473	1.428	1.388	1.350	1.452	7.3
2-Methylphenol	1.917	1.737	1.703	1.692	1.664	1.743	5.8
bis(2-chloroisopropyl)ether	2.858	2.668	2.672	2.703	2.892	2.759	3.9
4-Methylphenol	1.725	1.572	1.594	1.601	1.701	1.639	4.2
N-Nitroso-di-n-propylamine#	1.240	1.148	1.121	1.126	1.213	1.170	4.6#
Hexachloroethane	.752	.701	.695	.692	.713	.711	3.4
Nitrobenzene	.422	.395	.385	.378	.383	.392	4.5
Isophorone	.764	.725	.731	.732	.750	.740	2.2
2-Nitrophenol*	.269	.266	.266	.271	.268	.268	.8*
2,4-Dimethylphenol	.337	.307	.307	.310	.325	.317	4.2
Benzoic acid	---	.314	.364	.448	.442	.392	16.4
bis(2-Chloroethoxy)methane	.432	.410	.406	.401	.407	.411	2.9
2,4-Dichlorophenol*	.336	.320	.317	.308	.296	.315	4.8*
1,2,4-Trichlorobenzene	.360	.338	.324	.316	.305	.329	6.5
Naphthalene	1.086	.994	.972	.939	.923	.983	6.5
4-Chloroaniline	.490	.461	.471	.465	.454	.468	3.0
Hexachlorobutadiene*	.197	.185	.178	.171	.163	.179	7.3*
4-Chloro-3-methylphenol*	.370	.358	.358	.346	.355	.358	2.4*
2-Methylnaphthalene	.693	.640	.632	.598	.610	.635	5.8
Hexachlorocyclopentadiene#	.162	.207	.258	.283	.275	.237	21.6#
2,4,6-Trichlorophenol*	.418	.414	.417	.430	.428	.421	1.7*
2,4,5-Trichlorophenol	---	.589	.560	.552	.498	.550	6.9
2-Chloronaphthalene	1.302	1.211	1.161	1.141	1.120	1.187	6.1
2-Nitroaniline	---	.538	.528	.538	.548	.538	1.5
Dimethylphthalate	1.662	1.599	1.555	1.546	1.522	1.577	3.5
Acenaphthylene	2.033	1.962	1.921	1.897	1.862	1.935	3.4
2,6-Dinitrotoluene	.390	.401	.391	.390	.392	.393	1.2
3-Nitroaniline	---	.434	.436	.447	.446	.441	1.5
Acenaphthene*	1.293	1.206	1.159	1.137	1.111	1.181	6.1*
2,4-Dinitrophenol#	---	.162	.204	.231	.243	.210	17.2#
4-Nitrophenol#	---	.238	.262	.288	.302	.273	10.3#

6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: GALSON LABORATORIES

Client: NYSEG Task No.: 7360

Instrument ID: GCMS D (#4) Calibration Date(s): 02/26/92

Min $\overline{RRF}$ for SPCC(#) = 0.050 Max %RSD for CCC(*) = 30.0%

LAB FILE ID: RRF20 =>DD582 RRF50 =>DD581
RRF80 =>DD580 RRF120=>DD579 RRF160=>DD578

COMPOUND	RRF20	RRF50	RRF80	RRF120	RRF160	$\overline{RRF}$	% RSD
Dibenzofuran	1.772	1.654	1.577	1.508	1.476	1.597	7.4
2,4-Dinitrotoluene	.525	.504	.488	.470	.460	.489	5.3
Diethylphthalate	1.774	1.681	1.631	1.611	1.569	1.653	4.8
4-Chlorophenyl-phenylether	.617	.547	.513	.478	.446	.520	12.7
Fluorene	1.350	1.231	1.153	1.106	1.046	1.177	10.0
4-Nitroaniline	---	.442	.459	.471	.458	.458	2.6
4,6-Dinitro-2-methylphenol	---	.166	.183	.190	.194	.183	6.8
N-Nitrosodiphenylamine (1) *	.665	.615	.616	.595	.596	.617	4.6*
4-Bromophenyl-phenylether	.245	.229	.222	.216	.211	.225	6.0
Hexachlorobenzene	.260	.244	.241	.227	.223	.239	6.1
Pentachlorophenol *	---	.084	.104	.115	.121	.106	15.5*
Phenanthrene	1.194	1.142	1.119	1.100	1.082	1.128	3.9
Anthracene	1.202	1.145	1.128	1.130	1.096	1.140	3.4
Di-n-butylphthalate	1.852	1.832	1.804	1.727	1.661	1.775	4.5
Fluoranthene *	1.122	1.095	1.072	1.050	1.089	1.086	2.5*
Pyrene	1.572	1.554	1.520	1.617	1.696	1.592	4.3
Butylbenzylphthalate	.925	.971	.967	1.004	1.105	.995	6.8
3,3'-Dichlorobenzidine	.315	.388	.434	.462	.475	.415	15.7
Benzo(a)anthracene	1.227	1.240	1.276	1.303	1.349	1.279	3.9
Chrysene	1.175	1.144	1.101	1.151	1.218	1.158	3.7
bis(2-Ethylhexyl)phthalate	1.449	1.457	1.379	1.371	1.449	1.421	3.0
Di-n-octylphthalate *	3.522	3.814	3.619	3.499	3.748	3.640	3.8*
Benzo(b)fluoranthene	1.642	1.735	1.714	1.830	1.760	1.736	4.0
Benzo(k)fluoranthene	1.526	1.465	1.402	1.229	1.320	1.388	8.4
Benzo(a)pyrene *	1.428	1.462	1.452	1.439	1.456	1.447	1.0*
Indeno(1,2,3-cd)pyrene	1.078	1.097	1.149	1.186	1.191	1.140	4.5
Dibenzo(a,h)anthracene	1.102	1.116	1.179	1.197	1.198	1.158	4.0
Benzo(g,h,i)perylene	1.174	1.173	1.219	1.238	1.213	1.203	2.4
Nitrobenzene-d5	.342	.323	.323	.331	.322	.328	2.6
2-Fluorobiphenyl	1.361	1.246	1.199	1.185	1.120	1.223	7.3
Terphenyl-d14	.808	.805	.795	.865	.887	.832	5.0
Phenol-d6	1.704	1.571	1.522	1.536	1.559	1.578	4.6
2-Fluorophenol	1.252	1.179	1.134	1.111	1.107	1.157	5.2
2,4,6-Tribromophenol	.102	.105	.105	.102	.098	.103	2.9

(1) Cannot be separated from Diphenylamine

Operator ID: PETE Quant Rev: 7 Quant Time: 920227 09:02
Output File: ^DD582::D5 Injected at: 920226 16:29
Data File: >DD582::D3 Dilution Factor: 1.00000
Name: 920226 Instrument ID: MS_D
Misc: 20 PPM BNA STD BTL# 6

ID File: DBNA::SC
Title: HSL BNA ANALYSIS GC/MS D(#4)
Last Calibration: 920226 10:14 Last Qcal Time: 920225 13:19

	Compound	R.T.	Scan#	Area	Conc	Units	q
1)	*d4-1,4-Dichlorobenzene	8.70	274	48261	40.00	NG	97
2)	2-Fluorophenol	5.68	126	30205	10.30	NG	62
3)	Phenol-d6	7.70	225	41112	10.01	NG	66
4)	Phenol	7.72	226	44705	18.93	NG	97
5)	bis(2-Chloroethyl)ether	8.00	240	37945	17.95	NG	87
6)	2-Chlorophenol	8.15	247	36972	20.04	NG	93
7)	1,3-Dichlorobenzene	8.55	267	39798	21.82	NG	97
8)	1,4-Dichlorobenzene	8.74	276	40497	21.68	NG	94
9)	Benzyl Alcohol	9.02	290	21611	19.17	NG	75
10)	1,2-Dichlorobenzene	9.14	296	39152	21.83	NG	96
11)	2-Methylphenol	9.31	304	46268	19.87	NG	96
12)	bis(2-Chloroisopropyl)ether	9.41	309	68953M	16.69	NG	98
13)	4-Methylphenol	9.74	325	41635	19.82	NG	96
14)	N-Nitroso-Di-n-propylamine	9.78	327	29921	17.20	NG	83
15)	Hexachloroethane	10.06	341	18135	19.47	NG	84
16)	*d8-Naphthalene	12.30	451	188854	40.00	NG	87
17)	Nitrobenzene-d5	10.20	348	32291	34.97	NG	97
18)	Nitrobenzene	10.25	350	39888	18.09	NG	90
19)	Isophorone	10.94	384	72131	17.44	NG	94
20)	2-Nitrophenol	11.16	395	25385	19.22	NG	74
21)	2,4-Dimethylphenol	11.28	401	31799	20.73	NG	97
23)	bis(2-Chloroethoxy)methane	11.59	416	40774	17.93	NG	96
24)	2,4-Dichlorophenol	11.88	430	31760	21.73	NG	93
25)	1,2,4-Trichlorobenzene	12.14	443	34027	22.97	NG	93
26)	Naphthalene	12.37	454	102530	20.18	NG	97
27)	4-Chloroaniline	12.53	462	46304	21.07	NG	90
28)	Hexachlorobutadiene	12.73	472	18620	24.31	NG	99
29)	4-Chloro-3-methylphenol	14.04	536	34941	19.48	NG	91
30)	2-Methylnaphthalene	14.52	560	65422	21.65	NG	97
31)	*d10-Acenaphthene	17.85	723	106597	40.00	NG	95
32)	Hexachlorocyclopentadiene	15.01	584	8632	15.07	NG	98
33)	2,4,6-Trichlorophenol	15.40	603	22262	20.52	NG	96
35)	2-Chloronaphthalene	16.05	635	69407	21.13	NG	93
36)	2-Fluorobiphenyl	15.69	617	72547	41.37	NG	94
38)	Dimethylphthalate	17.01	682	88579	20.34	NG	88
39)	Acenaphthylene	17.40	701	108366	19.39	NG	93
41)	Acenaphthene	17.95	728	68938	20.07	NG	95
44)	Dibenzofuran	18.52	756	94421	20.68	NG	100
45)	2,4-Dinitrotoluene	18.50	755	27964	20.33	NG	96
46)	2,6-Dinitrotoluene	17.19	691	20778	19.68	NG	72

Operator ID: PETE
Output File: ^DD582::D5
Data File: >DD582::D3
Name: 920226
Misc: 20 PPM BNA STD

Quant Rev: 7 Quant Time: 920227 09:02
Injected at: 920226 16:29
Dilution Factor: 1.00000
Instrument ID: MS_D
BTL# 6

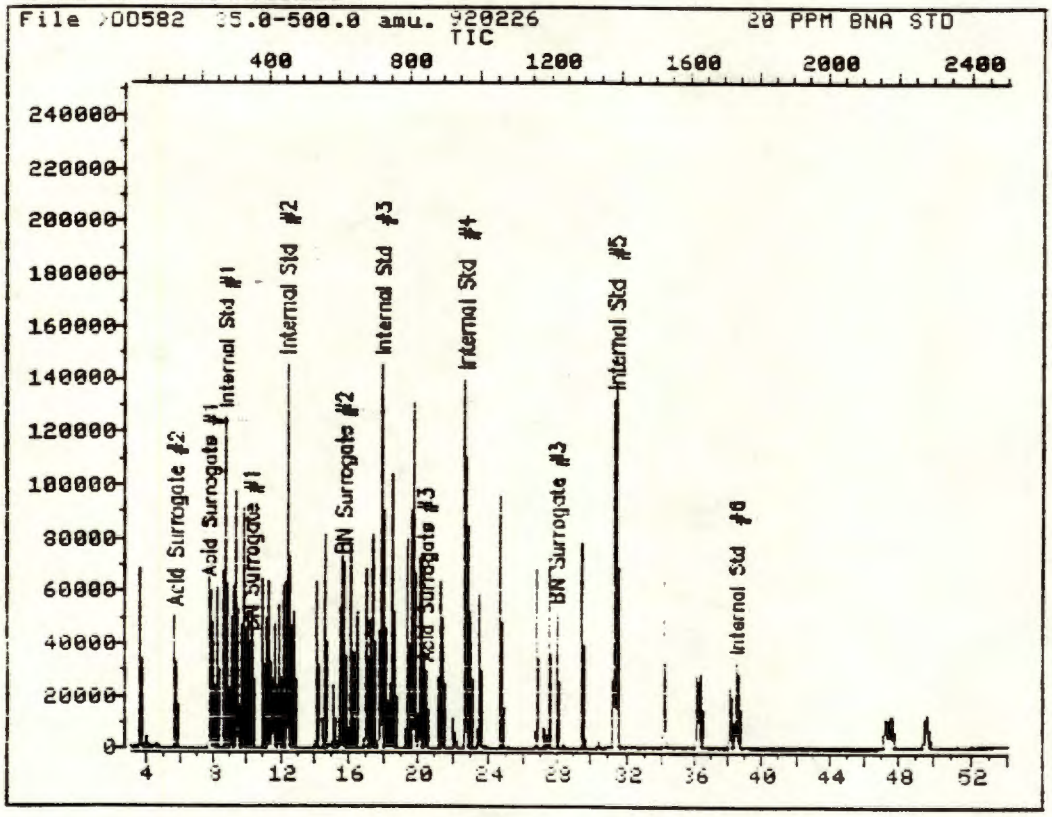
ID File: DBNA::SC
Title: HSL BNA ANALYSIS
Last Calibration: 920226 10:14

GC/MS D(#4)
Last Qcal Time: 920225 13:19

	Compound	R.T.	Scan#	Area	Conc	Units	q
47)	Diethylphthalate	19.31	795	94562	19.53	NG	90
48)	4-Chlorophenyl-phenylether	19.64	811	32869	23.65	NG	86
49)	Fluorene	19.62	810	71942	20.34	NG	94
51)	*d10-Phenanthrene	22.68	960	164741	40.00	NG	99
53)	N-Nitrosodiphenylamine	20.03	830	54782	21.14	NG	94
54)	2,4,6-Tribromophenol	20.40	848	8422	11.20	NG	93
55)	4-Bromophenyl-phenylether	21.23	889	20215	23.11	NG	97
56)	Hexachlorobenzene	21.39	897	21436	23.22	NG	96
58)	Phenanthrene	22.76	964	98377	20.28	NG	99
59)	Anthracene	22.92	972	99019	20.07	NG	99
60)	Di-n-Butylphthalate	24.63	1056	152547	18.61	NG	96
61)	Fluoranthene	26.63	1154	92392	20.78	NG	97
62)	*d12-Chrysene	31.36	1386	122394	40.00	NG	91
63)	Pyrene	27.38	1191	96169	18.49	NG	99
64)	Terphenyl-d14	27.89	1216	49444	38.27	NG	93
65)	Butylbenzylphthalate	29.50	1295	56634	16.36	NG	95
66)	3,3'-Dichlorobenzidine	31.21	1379	19270	15.58	NG	99
67)	Benzo(a)Anthracene	31.31	1384	75086	19.54	NG	97
68)	Bis(2-Ethylhexyl)Phthalate	31.40	1388	88674	18.06	NG	92
69)	Chrysene	31.44	1390	71917	19.52	NG	94
70)	*d12-Perylene	38.45	1734	75968	40.00	NG	94
71)	Di-n-octylphthalate	34.13	1522	133762	17.00	NG	98
72)	Benzo(b)Fluoranthene	36.10	1619	62360	18.37	NG	94
73)	Benzo(k)Fluoranthene	36.27	1627	57946	21.05	NG	92
74)	Benzo(a)Pyrene	38.08	1716	54221	19.56	NG	98
75)	Indeno(1,2,3-cd)Pyrene	47.22	2165	40939	20.58	NG	98
76)	Dibenzo(a,h)Anthracene	47.51	2179	41847	20.59	NG	96
77)	Benzo(g,h,i)Perylene	49.49	2276	44584	21.57	NG	97

* Compound is ISTD

TOTAL ION CHROMATOGRAM



Data File: >DD582::D3
Name: 920226
Misc: 20 PPM BNA STD

Quant Output File: ^DD582::D5
Instrument ID: MS_D

BTL# 6

Id File: DBNA::SC
Title: HSL BNA ANALYSIS
Last Calibration: 920226 10:14

GC/MS D(#4)
Last Qcal Time: 920225 13:19

Operator ID: PETE
Quant Time : 920227 09:02
Injected at: 920226 16:29

Operator ID: PETE
Output File: ^DD581::D5
Data File: >DD581::D3
Name: 920226
Misc: 50 PPM BNA STD

Quant Rev: 7 Quant Time: 920227 09:04
Injected at: 920226 15:24
Dilution Factor: 1.00000
Instrument ID: MS_D
BTL# 5

ID File: DBNA::SC
Title: HSL BNA ANALYSIS
Last Calibration: 920226 10:14

GC/MS D(#4)
Last Qcal Time: 920225 13:19

	Compound	R.T.	Scan#	Area	Conc	Units	q
1)	*d4-1,4-Dichlorobenzene	8.69	275	49326	40.00	NG	96
2)	2-Fluorophenol	5.70	128	72715	24.26	NG	70
3)	Phenol-d6	7.71	227	96847	23.07	NG	63
4)	Phenol	7.76	229	103268	42.79	NG	91
5)	bis(2-Chloroethyl)ether	8.00	241	89382	41.36	NG	90
6)	2-Chlorophenol	8.16	249	89030	47.21	NG	98
7)	1,3-Dichlorobenzene	8.55	268	92385	49.56	NG	94
8)	1,4-Dichlorobenzene	8.75	278	95101	49.81	NG	96
9)	Benzyl Alcohol	9.04	292	52111	45.23	NG	76
10)	1,2-Dichlorobenzene	9.14	297	90836	49.55	NG	96
11)	2-Methylphenol	9.33	306	107106	45.01	NG	97
12)	bis(2-Chloroisopropyl)ether	9.41	310	164536M	38.96	NG	94
13)	4-Methylphenol	9.75	327	96954	45.15	NG	94
14)	N-Nitroso-Di-n-propylamine	9.82	330	70781	39.81	NG	83
15)	Hexachloroethane	10.06	342	43247	45.43	NG	91
16)	*d8-Naphthalene	12.30	452	192544	40.00	NG	86
17)	Nitrobenzene-d5	10.20	349	77765	82.61	NG	93
18)	Nitrobenzene	10.26	352	94979	42.25	NG	91
19)	Isophorone	10.96	386	174491	41.37	NG	96
20)	2-Nitrophenol	11.18	397	63941	47.48	NG	77
21)	2,4-Dimethylphenol	11.28	402	73983	47.30	NG	97
22)	Benzoic Acid	11.67	421	75608	42.99	NG	91
23)	bis(2-Chloroethoxy)methane	11.59	417	98748	42.60	NG	92
24)	2,4-Dichlorophenol	11.87	431	76921	51.61	NG	89
25)	1,2,4-Trichlorobenzene	12.14	444	81265	53.81	NG	97
26)	Naphthalene	12.38	456	239220	46.17	NG	95
27)	4-Chloroaniline	12.55	464	110898	49.51	NG	92
28)	Hexachlorobutadiene	12.75	474	44471	56.95	NG	97
29)	4-Chloro-3-methylphenol	14.05	538	86167	47.13	NG	91
30)	2-Methylnaphthalene	14.52	561	154120	50.04	NG	96
31)	*d10-Acenaphthene	17.87	725	106712	40.00	NG	94
32)	Hexachlorocyclopentadiene	15.01	585	27612	48.17	NG	98
33)	2,4,6-Trichlorophenol	15.42	605	55196	50.82	NG	93
34)	2,4,5-Trichlorophenol	15.52	610	78601	51.42	NG	96
35)	2-Chloronaphthalene	16.07	637	161523	49.12	NG	98
36)	2-Fluorobiphenyl	15.71	619	166183	94.66	NG	94
37)	2-Nitroaniline	16.42	654	71701	46.72	NG	93
38)	Dimethylphthalate	17.03	684	213268	48.92	NG	88
39)	Acenaphthylene	17.40	702	261747	46.78	NG	91
40)	3-Nitroaniline	17.74	719	57875	47.71	NG	85

Operator ID: PETE
Output File: ^DD581::D5
Data File: >DD581::D3
Name: 920226
Misc: 50 PPM BNA STD

Quant Rev: 7 Quant Time: 920227 09:04
Injected at: 920226 15:24
Dilution Factor: 1.00000
Instrument ID: MS_D
BTL# 5

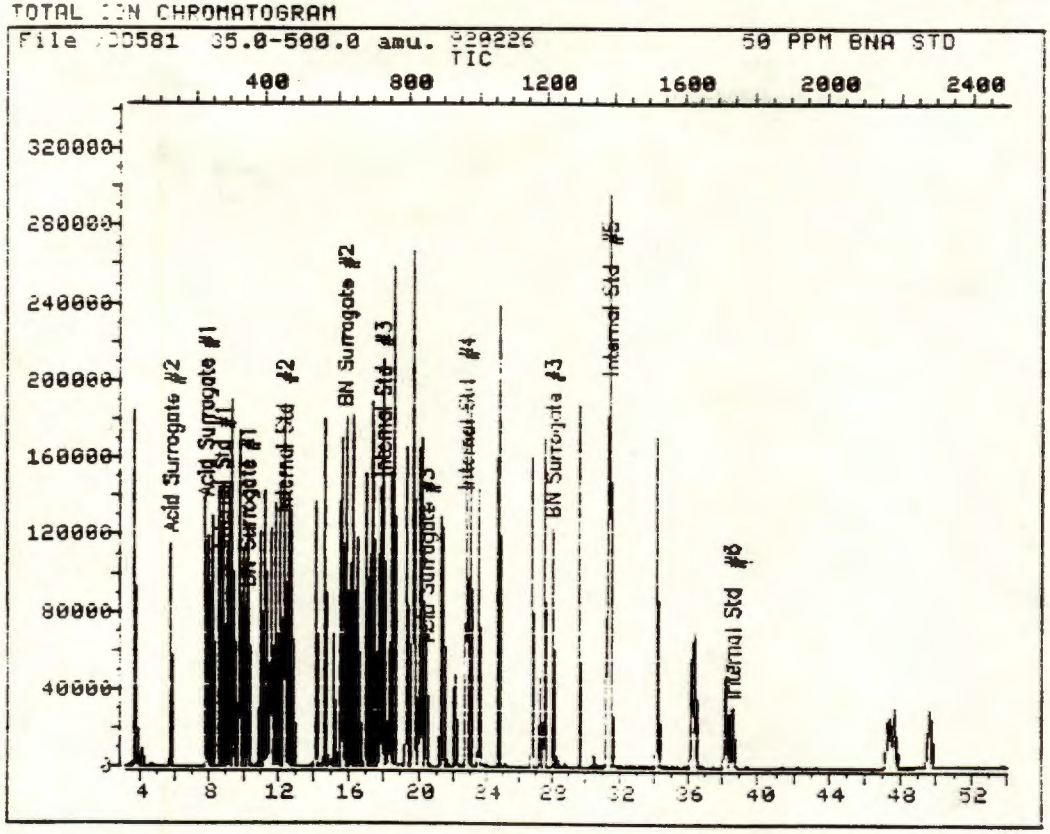
ID File: DBNA::SC
Title: HSL BNA ANALYSIS
Last Calibration: 920226 10:14

GC/MS D(#4)
Last Qcal Time: 920225 13:19

	Compound	R.T.	Scan#	Area	Conc	Units	q
41)	Acenaphthene	17.97	730	160928	46.80	NG	93
42)	2,4-Dinitrophenol	18.09	736	21577	38.81	NG	65
43)	4-Nitrophenol	18.32	747	31805	37.26	NG	89
44)	Dibenzofuran	18.52	757	220571	48.25	NG	100
45)	2,4-Dinitrotoluene	18.52	757	67267	48.85	NG	86
46)	2,6-Dinitrotoluene	17.21	693	53452	50.58	NG	74
47)	Diethylphthalate	19.32	796	224242	46.27	NG	92
48)	4-Chlorophenyl-phenylether	19.66	813	73006	52.47	NG	90
49)	Fluorene	19.64	812	164169	46.36	NG	94
50)	4-Nitroaniline	19.72	816	58988	46.10	NG	96
51)	*d10-Phenanthrene	22.68	961	166015	40.00	NG	99
52)	4,6-Dinitro-2-methylphenol	19.83	821	34475	48.07	NG	93
53)	N-Nitrosodiphenylamine	20.05	832	127608	48.87	NG	96
54)	2,4,6-Tribromophenol	20.40	849	21770	28.74	NG	97
55)	4-Bromophenyl-phenylether	21.23	890	47538	53.93	NG	99
56)	Hexachlorobenzene	21.42	899	50585	54.38	NG	98
57)	Pentachlorophenol	22.05	930	17446	47.86	NG	99
58)	Phenanthrene	22.76	965	237031	48.48	NG	99
59)	Anthracene	22.93	973	237507	47.78	NG	99
60)	Di-n-Butylphthalate	24.64	1057	380238	46.02	NG	96
61)	Fluoranthene	26.64	1155	227244	50.72	NG	97
62)	*d12-Chrysene	31.36	1387	120721	40.00	NG	92
63)	Pyrene	27.39	1192	234535	45.71	NG	99
64)	Terphenyl-d14	27.90	1217	121483	95.34	NG	93
65)	Butylbenzylphthalate	29.51	1296	146549	42.92	NG	93
66)	3,3'-Dichlorobenzidine	31.22	1380	58578	48.03	NG	98
67)	Benzo(a)Anthracene	31.32	1385	187172	49.38	NG	97
68)	Bis(2-Ethylhexyl)Phthalate	31.41	1389	219792	45.39	NG	92
69)	Chrysene	31.45	1391	172578	47.49	NG	96
70)	*d12-Perylene	38.46	1735	75828	40.00	NG	94
71)	Di-n-octylphthalate	34.14	1523	361499	46.03	NG	97
72)	Benzo(b)Fluoranthene	36.13	1621	164452	48.54	NG	93
73)	Benzo(k)Fluoranthene	36.30	1629	138864	50.55	NG	92
74)	Benzo(a)Pyrene	38.11	1718	138585	50.08	NG	98
75)	Indeno(1,2,3-cd)Pyrene	47.26	2167	104003	52.39	NG	98
76)	Dibenzo(a,h)Anthracene	47.54	2181	105782	52.16	NG	98
77)	Benzo(g,h,i)Perylene	49.54	2279	111149	53.88	NG	97

Compound is ISTD

TOTAL ION CHROMATOGRAM



Data File: >DD581::D3
Name: 920226
Misc: 50 PPM BNA STD

Quant Output File: ^DD581::D5
Instrument ID: MS_D

BTL# 5

Id File: DBNA::SC
Title: HSL BNA ANALYSIS
Last Calibration: 920226 10:14

GC/MS D(#4)
Last Qcal Time: 920225 13:19

Operator ID: PETE
Quant Time : 920227 09:04
Injected at: 920226 15:24

Operator ID: PETE
Output File: ^DD580::QT
Data File: >DD580::D3
Name: 920226
Misc: 80 PPM BNA STD

Quant Rev: 7 Quant Time: 920226 15:16
Injected at: 920226 14:20
Dilution Factor: 1.00000
Instrument ID: MS_D
BTL# 4

ID File: DBNA::SC
Title: HSL BNA ANALYSIS
Last Calibration: 920226 10:14

GC/MS D(#4)
Last Qcal Time: 920225 13:19

	Compound	R.T.	Scan#	Area	Conc	Units	Q
1)	*d4-1,4-Dichlorobenzene	8.70	275	47549	40.00	NG	97
2)	2-Fluorophenol	5.69	127	107863	37.33	NG	63
3)	Phenol-d6	7.73	227	144758	35.78	NG	68
4)	Phenol	7.77	229	156061	67.09	NG	83
5)	bis(2-Chloroethyl)ether	8.01	241	135973	65.28	NG	94
6)	2-Chlorophenol	8.15	248	134629	74.06	NG	98
7)	1,3-Dichlorobenzene	8.56	268	138158	76.89	NG	96
8)	1,4-Dichlorobenzene	8.75	277	140613	76.40	NG	94
9)	Benzyl Alcohol	9.05	292	82244	74.05	NG	79
10)	1,2-Dichlorobenzene	9.15	297	135766	76.83	NG	96
11)	2-Methylphenol	9.34	306	161931	70.59	NG	95
12)	bis(2-Chloroisopropyl)ether	9.42	310	254083M	62.41	NG	97
13)	4-Methylphenol	9.76	327	151561	73.22	NG	96
14)	N-Nitroso-Di-n-propylamine	9.83	330	106587	62.19	NG	83
15)	Hexachloroethane	10.07	342	66070	72.01	NG	85
16)	*d8-Naphthalene	12.31	452	187485	40.00	NG	86
17)	Nitrobenzene-d5	10.21	349	121197	132.23	NG	92
18)	Nitrobenzene	10.27	352	144373	65.96	NG	91
19)	Isophorone	10.99	387	274134	66.75	NG	93
20)	2-Nitrophenol	11.19	397	99704	76.04	NG	82
21)	2,4-Dimethylphenol	11.29	402	115007	75.51	NG	97
22)	Benzoic Acid	11.76	425	136652	79.80	NG	98
23)	bis(2-Chloroethoxy)methane	11.60	417	152167	67.41	NG	85
24)	2,4-Dichlorophenol	11.89	431	118799	81.86	NG	91
25)	1,2,4-Trichlorobenzene	12.15	444	121588	82.68	NG	94
26)	Naphthalene	12.40	456	364524	72.25	NG	94
27)	4-Chloroaniline	12.56	464	176763	81.04	NG	92
28)	Hexachlorobutadiene	12.74	473	66686	87.70	NG	99
29)	4-Chloro-3-methylphenol	14.07	538	134263	75.41	NG	92
30)	2-Methylnaphthalene	14.53	561	237026	79.03	NG	97
31)	*d10-Acenaphthene	17.86	724	108130	40.00	NG	93
32)	Hexachlorocyclopentadiene	15.02	585	55830	96.12	NG	98
33)	2,4,6-Trichlorophenol	15.43	605	90212	81.98	NG	89
34)	2,4,5-Trichlorophenol	15.53	610	121038	78.14	NG	97
35)	2-Chloronaphthalene	16.09	637	250962	75.32	NG	96
36)	2-Fluorobiphenyl	15.72	619	259381	145.80	NG	93
37)	2-Nitroaniline	16.43	654	114192	73.43	NG	91
38)	Dimethylphthalate	17.04	684	336247	76.11	NG	89
39)	Acenaphthylene	17.41	702	415408	73.27	NG	91
40)	3-Nitroaniline	17.76	719	94309	76.72	NG	82

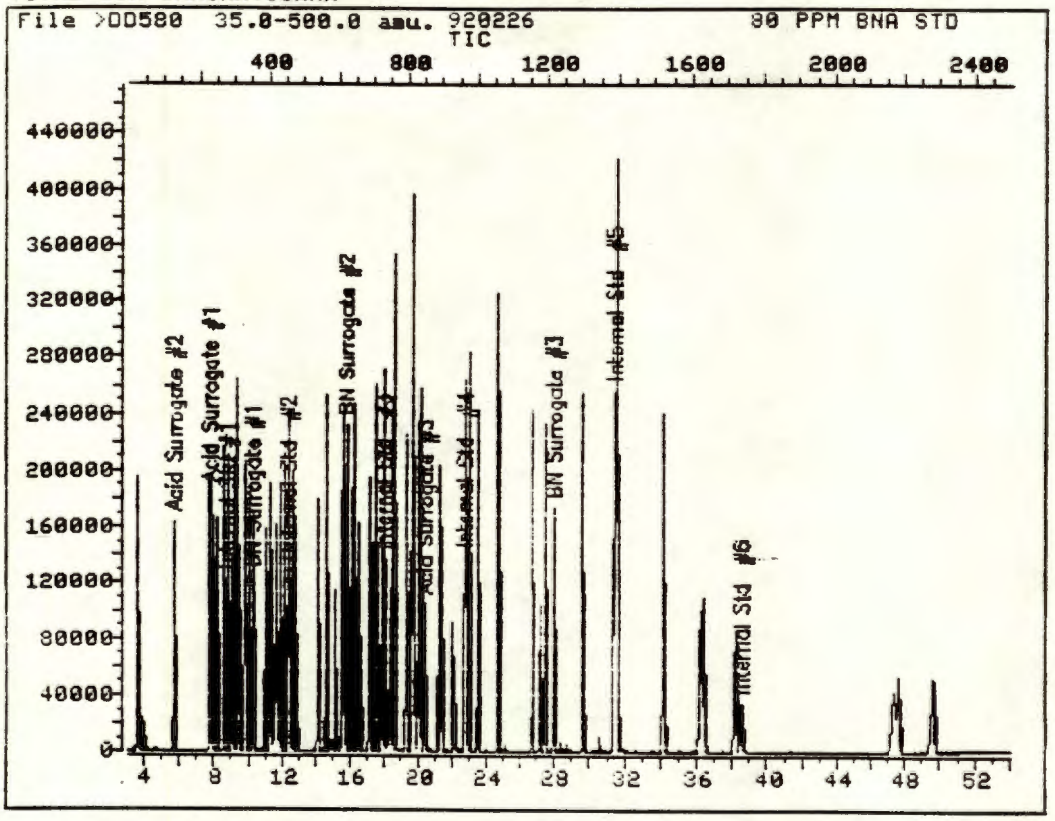
Operator ID: PETE Quant Rev: 7 Quant Time: 920226 15:16
Output File: ^DD580::QT Injected at: 920226 14:20
Data File: >DD580::D3 Dilution Factor: 1.00000
Name: 920226 Instrument ID: MS_D
Misc: 80 PPM BNA STD BTL# 4

ID File: DBNA::SC
Title: HSL BNA ANALYSIS GC/MS D(#4)
Last Calibration: 920226 10:14 Last Qcal Time: 920225 13:19

	Compound	R.T.	Scan#	Area	Conc	Units	q=
41)	Acenaphthene	17.98	730	250595	71.92	NG	94
42)	2,4-Dinitrophenol	18.10	736	44001	78.10	NG	65
43)	4-Nitrophenol	18.33	747	56701	65.55	NG	92
44)	Dibenzofuran	18.53	757	341131	73.65	NG	100
45)	2,4-Dinitrotoluene	18.53	757	105458	75.59	NG	88
46)	2,6-Dinitrotoluene	17.23	693	84507	78.91	NG	74
47)	Diethylphthalate	19.33	796	352814	71.85	NG	92
48)	4-Chlorophenyl-phenylether	19.66	812	110997	78.73	NG	84
49)	Fluorene	19.66	812	249398	69.51	NG	98
50)	4-Nitroaniline	19.74	816	99271	76.57	NG	95
51)	*d10-Phenanthrene	22.70	961	165700	40.00	NG	99
52)	4,6-Dinitro-2-methylphenol	19.84	821	60726	84.84	NG	95
53)	N-Nitrosodiphenylamine	20.07	832	204060	78.29	NG	95
54)	2,4,6-Tribromophenol	20.41	849	34978	46.26	NG	96
55)	4-Bromophenyl-phenylether	21.25	890	73683	83.74	NG	98
56)	Hexachlorobenzene	21.41	898	79796	85.94	NG	96
57)	Pentachlorophenol	22.07	930	34383	94.49	NG	98
58)	Phenanthrene	22.78	965	370981	76.03	NG	99
59)	Anthracene	22.94	973	373872	75.35	NG	97
60)	Di-n-Butylphthalate	24.64	1056	597787	72.49	NG	95
61)	Fluoranthene	26.65	1155	355105	79.42	NG	98
62)	*d12-Chrysene	31.36	1386	120612	40.00	NG	94
63)	Pyrene	27.39	1191	366698	71.53	NG	98
64)	Terphenyl-d14	27.90	1216	191718	150.59	NG	95
65)	Butylbenzylphthalate	29.51	1295	233175	68.36	NG	91
66)	3,3'-Dichlorobenzidine	31.24	1380	104766	85.98	NG	99
67)	Benzo(a)Anthracene	31.34	1385	307874	81.30	NG	98
68)	Bis(2-Ethylhexyl)Phthalate	31.41	1388	332622	68.76	NG	93
69)	Chrysene	31.47	1391	265515	73.13	NG	95
70)	*d12-Perylene	38.46	1734	80795	40.00	NG	93
71)	Di-n-octylphthalate	34.14	1522	584861	69.90	NG	97
72)	Benzo(b)Fluoranthene	36.15	1621	276930	76.71	NG	93
73)	Benzo(k)Fluoranthene	36.32	1629	226562	77.40	NG	92
74)	Benzo(a)Pyrene	38.13	1718	234675	79.59	NG	99
75)	Indeno(1,2,3-cd)Pyrene	47.32	2169	185733	87.80	NG	98
76)	Dibenzo(a,h)Anthracene	47.61	2183	190536	88.17	NG	98
77)	Benzo(g,h,i)Perylene	49.58	2280	197001	89.63	NG	98

* Compound is ISTD

TOTAL ION CHROMATOGRAM



Data File: >DD580::D3
Name: 920226
Misc: 80 PPM BNA STD

Quant Output File: ^DD580::QT
Instrument ID: MS_D

BTL# 4

Id File: DBNA::SC
Title: HSL BNA ANALYSIS
Last Calibration: 920226 10:14

GC/MS D(#4)
Last Qcal Time: 920225 13:19

Operator ID: PETE
Quant Time : 920226 15:16
Injected at: 920226 14:20

Operator ID: PETE
Output File: ^DD579::QT
Data File: >DD579::D3
Name: 920226
Misc: 120 PPM BNA STD

Quant Rev: 7 Quant Time: 920226 14:11
Injected at: 920226 13:16
Dilution Factor: 1.00000
Instrument ID: MS_D
BTL# 3

ID File: DBNA::SC
Title: HSL BNA ANALYSIS
Last Calibration: 920226 10:14

GC/MS D(#4)
Last Qcal Time: 920225 13:19

	Compound	R.T.	Scan#	Area	Conc	Units	q
1)	*d4-1,4-Dichlorobenzene	8.71	276	51668	40.00	NG	98
2)	2-Fluorophenol	5.71	129	172173	54.83	NG	67
3)	Phenol-d6	7.75	229	238039	54.14	NG	68
4)	Phenol	7.79	231	241463	95.52	NG	83
5)	bis(2-Chloroethyl)ether	8.03	243	216727	95.75	NG	97
6)	2-Chlorophenol	8.18	250	217178	109.95	NG	98
7)	1,3-Dichlorobenzene	8.56	269	217854	111.58	NG	93
8)	1,4-Dichlorobenzene	8.77	279	221101	110.56	NG	96
9)	Benzyl Alcohol	9.09	295	136160	112.82	NG	79
10)	1,2-Dichlorobenzene	9.15	298	215072	112.01	NG	96
11)	2-Methylphenol	9.36	308	262204	105.19	NG	97
12)	bis(2-Chloroisopropyl)ether	9.44	312	418917M	94.69	NG	52
13)	4-Methylphenol	9.81	330	248155	110.32	NG	94
14)	N-Nitroso-Di-n-propylamine	9.87	333	174602	93.76	NG	83
15)	Hexachloroethane	10.07	343	107217	107.54	NG	87
16)	*d8-Naphthalene	12.34	454	205699	40.00	NG	88
17)	Nitrobenzene-d5	10.24	351	204433	203.29	NG	93
18)	Nitrobenzene	10.30	354	233002	97.02	NG	90
19)	Isophorone	11.01	389	451380	100.18	NG	95
20)	2-Nitrophenol	11.19	398	167171	116.21	NG	72
21)	2,4-Dimethylphenol	11.32	404	191192	114.41	NG	97
22)	Benzoic Acid	11.87	431	276474M	147.16	NG	93
23)	bis(2-Chloroethoxy)methane	11.62	419	247298	99.86	NG	96
24)	2,4-Dichlorophenol	11.91	433	189745	119.17	NG	91
25)	1,2,4-Trichlorobenzene	12.15	445	194759	120.71	NG	96
26)	Naphthalene	12.40	457	579588	104.71	NG	95
27)	4-Chloroaniline	12.56	465	287266	120.04	NG	89
28)	Hexachlorobutadiene	12.76	475	105723	126.73	NG	96
29)	4-Chloro-3-methylphenol	14.07	539	213790	109.45	NG	91
30)	2-Methylnaphthalene	14.54	562	369009	112.14	NG	98
31)	*d10-Acenaphthene	17.88	726	113962	40.00	NG	91
32)	Hexachlorocyclopentadiene	15.03	586	96708	157.98	NG	98
33)	2,4,6-Trichlorophenol	15.44	606	147183	126.90	NG	94
34)	2,4,5-Trichlorophenol	15.54	611	188817	115.66	NG	95
35)	2-Chloronaphthalene	16.09	638	390251	111.13	NG	94
36)	2-Fluorobiphenyl	15.72	620	405290	216.16	NG	93
37)	2-Nitroaniline	16.46	656	183912	112.21	NG	88
38)	Dimethylphthalate	17.07	686	528629	113.54	NG	89
39)	Acenaphthylene	17.44	704	648650	108.55	NG	91
40)	3-Nitroaniline	17.78	721	152671	117.84	NG	86

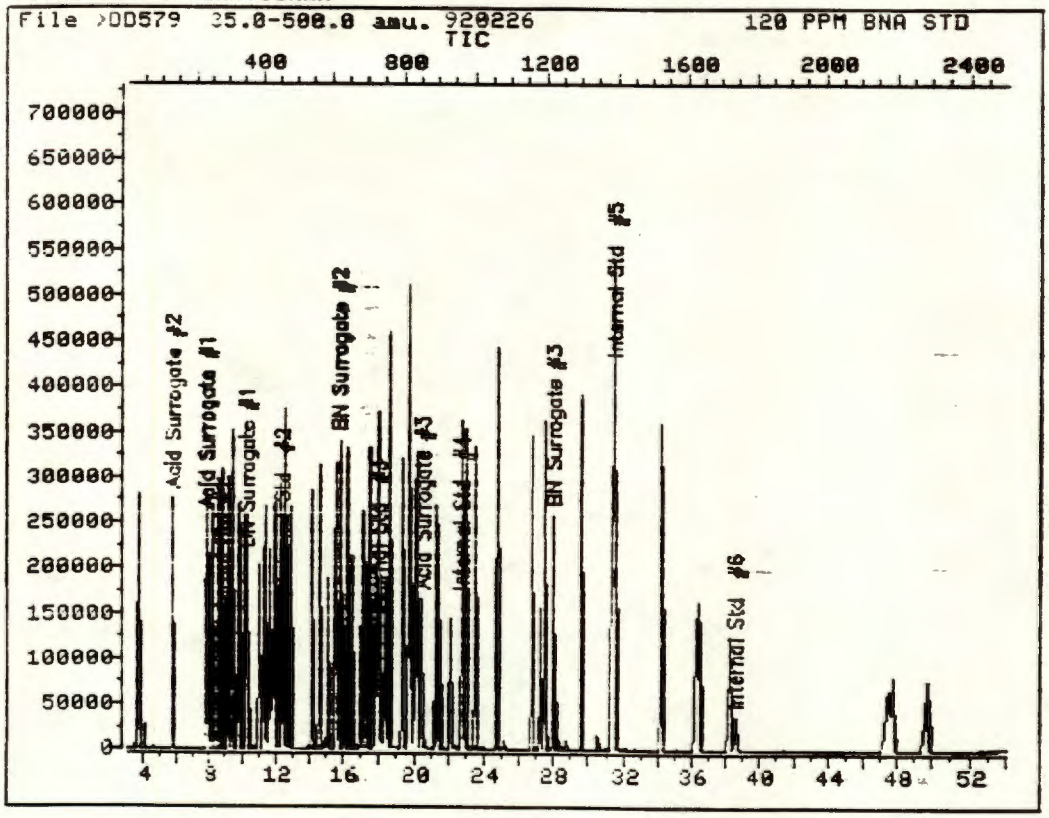
Operator ID: PETE Quant Rev: 7 Quant Time: 920226 14:11
Output File: ^DD579::QT Injected at: 920226 13:16
Data File: >DD579::D3 Dilution Factor: 1.00000
Name: 920226 Instrument ID: MS_D
Misc: 120 PPM BNA STD BTL# 3

ID File: DBNA::SC
Title: HSL BNA ANALYSIS GC/MS D(#4)
Last Calibration: 920226 10:14 Last Qcal Time: 920225 13:19

	Compound	R.T.	Scan#	Area	Conc	Units	q
41)	Acenaphthene	17.99	731	388766	105.87	NG	94
42)	2,4-Dinitrophenol	18.13	738	79144	133.29	NG	68
43)	4-Nitrophenol	18.35	749	98361	107.90	NG	93
44)	Dibenzofuran	18.56	759	515509	105.60	NG	100
45)	2,4-Dinitrotoluene	18.56	759	160817	109.36	NG	92
46)	2,6-Dinitrotoluene	17.25	695	133487	118.27	NG	76
47)	Diethylphthalate	19.36	798	550786	106.43	NG	90
48)	4-Chlorophenyl-phenylether	19.68	814	163458	110.01	NG	88
49)	Fluorene	19.66	813	377989	99.96	NG	99
50)	4-Nitroaniline	19.78	819	161137	117.93	NG	94
51)	*d10-Phenanthrene	22.70	962	178682	40.00	NG	99
52)	4,6-Dinitro-2-methylphenol	19.89	824	101847	131.95	NG	86
53)	N-Nitrosodiphenylamine	20.07	833	318727	113.40	NG	96
54)	2,4,6-Tribromophenol	20.44	851	54613	66.98	NG	98
55)	4-Bromophenyl-phenylether	21.26	891	115705	121.95	NG	99
56)	Hexachlorobenzene	21.44	900	121928	121.78	NG	97
57)	Pentachlorophenol	22.07	931	61690	157.22	NG	99
58)	Phenanthrene	22.79	966	589804	112.09	NG	98
59)	Anthracene	22.95	974	605940	113.25	NG	98
60)	Di-n-Butylphthalate	24.66	1058	925850	104.11	NG	96
61)	Fluoranthene	26.68	1157	562956	116.75	NG	98
62)	*d12-Chrysene	31.39	1388	119955	40.00	NG	93
63)	Pyrene	27.41	1193	581931	114.13	NG	97
64)	Terphenyl-d14	27.92	1218	311460	245.98	NG	92
65)	Butylbenzylphthalate	29.53	1297	361287	106.50	NG	95
66)	3,3'-Dichlorobenzidine	31.27	1382	166431	137.33	NG	98
67)	Benzo(a)Anthracene	31.35	1386	468747	124.46	NG	98
68)	Bis(2-Ethylhexyl)Phthalate	31.41	1389	493304	102.53	NG	92
69)	Chrysene	31.49	1393	414224	114.72	NG	93
70)	*d12-Perylene	38.49	1736	87127	40.00	NG	94
71)	Di-n-octylphthalate	34.16	1524	914487	101.35	NG	97
72)	Benzo(b)Fluoranthene	36.20	1624	478386	122.89	NG	92
73)	Benzo(k)Fluoranthene	36.37	1632	321232	101.77	NG	92
74)	Benzo(a)Pyrene	38.18	1721	376209	118.32	NG	98
75)	Indeno(1,2,3-cd)Pyrene	47.41	2174	310063	135.93	NG	99
76)	Dibenzo(a,h)Anthracene	47.68	2187	312825	134.24	NG	99
77)	Benzo(g,h,i)Perylene	49.67	2285	323606	136.53	NG	98

* Compound is ISTD

TOTAL ION CHROMATOGRAM



Data File: >DD579::D3
Name: 920226
Misc: 120 PPM BNA STD

Quant Output File: ^DD579::QT
Instrument ID: MS_D

BTL# 3

Id File: DBNA::SC
Title: HSL BNA ANALYSIS
Last Calibration: 920226 10:14

GC/MS D(#4)
Last Qcal Time: 920225 13:19

Operator ID: PETE
Quant Time : 920226 14:11
Injected at: 920226 13:16

Operator ID: PETE
Output File: ^DD578::QT
Data File: >DD578::D3
Name: 920226
Misc: 160 PPM BNA STD

Quant Rev: 7 Quant Time: 920226 13:06
Injected at: 920226 12:11
Dilution Factor: 1.00000
Instrument ID: MS_D
BTL# 2

ID File: DBNA::SC
Title: HSL BNA ANALYSIS
Last Calibration: 920226 10:14

GC/MS D(#4)
Last Qcal Time: 920225 13:19

	Compound	R.T.	Scan#	Area	Conc	Units	q
1)	*d4-1,4-Dichlorobenzene	8.72	277	43149	40.00	NG	98
2)	2-Fluorophenol	5.72	130	191086	72.87	NG	72
3)	Phenol-d6	7.76	230	269023	73.27	NG	67
4)	Phenol	7.80	232	274891	130.22	NG	88
5)	bis(2-Chloroethyl)ether	8.05	244	237095	125.43	NG	96
6)	2-Chlorophenol	8.19	251	240282	145.67	NG	99
7)	1,3-Dichlorobenzene	8.58	270	233264	143.06	NG	94
8)	1,4-Dichlorobenzene	8.76	279	236817	141.80	NG	93
9)	Benzyl Alcohol	9.11	296	152539	151.34	NG	73
10)	1,2-Dichlorobenzene	9.17	299	232976	145.29	NG	94
11)	2-Methylphenol	9.37	309	287262	137.99	NG	94
12)	bis(2-Chloroisopropyl)ether	9.45	313	499189M	135.11	NG	50
13)	4-Methylphenol	9.78	329	293640M	156.32	NG	96
14)	N-Nitroso-Di-n-propylamine	9.90	335	209354M	134.62	NG	78
15)	Hexachloroethane	10.08	344	123129	147.88	NG	84
16)	*d8-Naphthalene	12.33	454	182225	40.00	NG	87
17)	Nitrobenzene-d5	10.25	352	235027	263.82	NG	93
18)	Nitrobenzene	10.31	355	278997	131.14	NG	90
19)	Isophorone	11.04	391	546349M	136.88	NG	93
20)	2-Nitrophenol	11.21	399	195574	153.46	NG	75
21)	2,4-Dimethylphenol	11.33	405	237146	160.20	NG	97
22)	Benzoic Acid	11.96	436	322356M	193.68	NG	95
23)	bis(2-Chloroethoxy)methane	11.63	420	296945	135.35	NG	93
24)	2,4-Dichlorophenol	11.92	434	215625	152.87	NG	89
25)	1,2,4-Trichlorobenzene	12.17	446	222290	155.52	NG	95
26)	Naphthalene	12.41	458	672660	137.18	NG	95
27)	4-Chloroaniline	12.59	467	330800	156.04	NG	93
28)	Hexachlorobutadiene	12.76	475	118861	160.84	NG	98
29)	4-Chloro-3-methylphenol	14.08	540	258779	149.55	NG	92
30)	2-Methylnaphthalene	14.55	563	444457	152.47	NG	98
31)	*d10-Acenaphthene	17.88	726	104647	40.00	NG	96
32)	Hexachlorocyclopentadiene	15.04	587	115042	204.65	NG	99
33)	2,4,6-Trichlorophenol	15.45	607	178943	168.02	NG	93
34)	2,4,5-Trichlorophenol	15.57	613	208584	139.14	NG	95
35)	2-Chloronaphthalene	16.10	639	468972	145.43	NG	97
36)	2-Fluorobiphenyl	15.74	621	469002	272.41	NG	94
37)	2-Nitroaniline	16.47	657	229362	152.40	NG	93
38)	Dimethylphthalate	17.08	687	637170	149.03	NG	89
39)	Acenaphthylene	17.45	705	779297	142.02	NG	91
40)	3-Nitroaniline	17.82	723	186865	157.07	NG	94

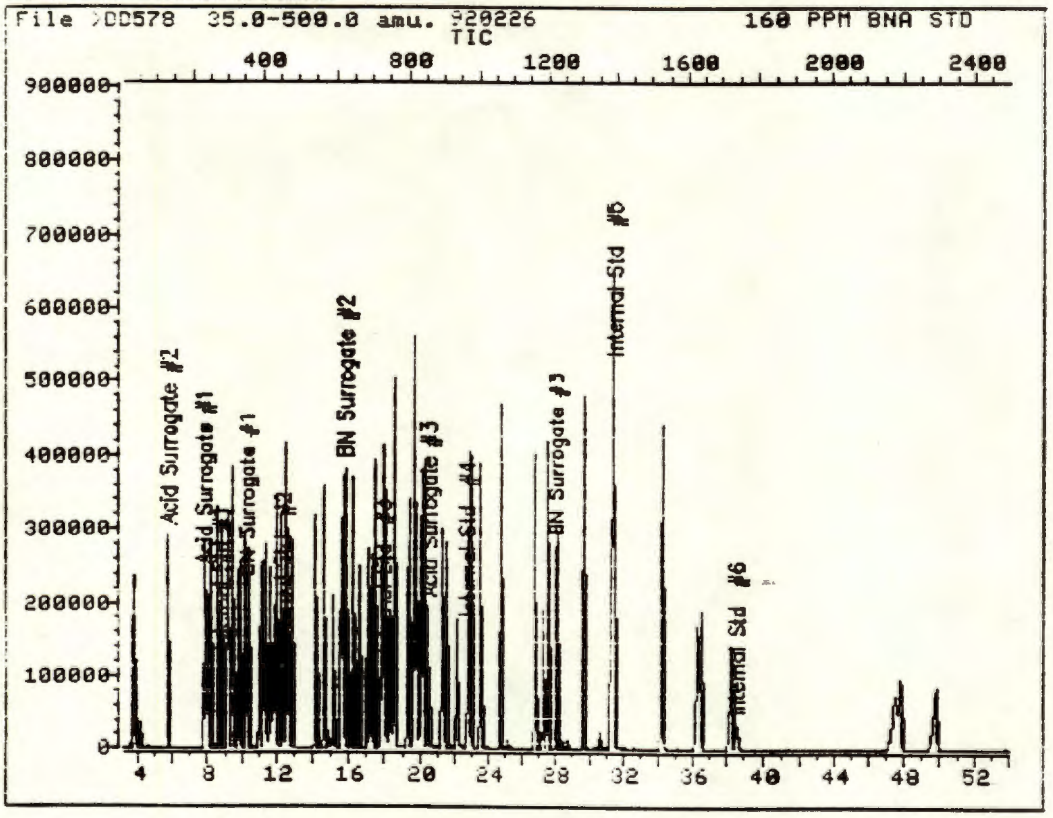
Operator ID: PETE Quant Rev: 7 Quant Time: 920226 13:06
Output File: ^DD578::QT Injected at: 920226 12:11
Data File: >DD578::D3 Dilution Factor: 1.00000
Name: 920226 Instrument ID: MS_D
Misc: 160 PPM BNA STD BTL# 2

ID File: DBNA::SC
Title: HSL BNA ANALYSIS GC/MS D(#4)
Last Calibration: 920226 10:14 Last Qcal Time: 920225 13:19

	Compound	R.T.	Scan#	Area	Conc	Units	q
41)	Acenaphthene	18.00	732	464939	137.88	NG	93
42)	2,4-Dinitrophenol	18.14	739	101785	186.68	NG	65
43)	4-Nitrophenol	18.39	751	126442	151.05	NG	85
44)	Dibenzofuran	18.57	760	617934	137.85	NG	100
45)	2,4-Dinitrotoluene	18.57	760	192692	142.71	NG	92
46)	2,6-Dinitrotoluene	17.29	697	164120	158.36	NG	83
47)	Diethylphthalate	19.37	799	656836	138.22	NG	90
48)	4-Chlorophenyl-phenylether	19.70	815	186707	136.84	NG	87
49)	Fluorene	19.68	814	437827	126.09	NG	97
50)	4-Nitroaniline	19.82	821	191687	152.77	NG	98
51)	*d10-Phenanthrene	22.72	963	160413	40.00	NG	98
52)	4,6-Dinitro-2-methylphenol	19.90	825	124812	180.12	NG	91
53)	N-Nitrosodiphenylamine	20.11	835	382257	151.50	NG	95
54)	2,4,6-Tribromophenol	20.45	852	62957	86.00	NG	94
55)	4-Bromophenyl-phenylether	21.27	892	135137	158.65	NG	98
56)	Hexachlorobenzene	21.45	901	143325	159.45	NG	94
57)	Pentachlorophenol	22.09	932	77920	221.21	NG	98
58)	Phenanthrene	22.80	967	694311	146.98	NG	99
59)	Anthracene	22.97	975	703357	146.43	NG	97
60)	Di-n-Butylphthalate	24.68	1059	1065531	133.46	NG	97
61)	Fluoranthene	26.70	1158	698755	161.42	NG	96
62)	*d12-Chrysene	31.41	1389	106503	40.00	NG	94
63)	Pyrene	27.43	1194	722525	159.61	NG	97
64)	Terphenyl-d14	27.92	1218	377738	336.01	NG	94
65)	Butylbenzylphthalate	29.55	1298	470821	156.32	NG	95
66)	3,3'-Dichlorobenzidine	31.29	1383	202382	188.09	NG	98
67)	Benzo(a)Anthracene	31.37	1387	574889	171.92	NG	97
68)	Bis(2-Ethylhexyl)Phthalate	31.43	1390	617327	144.51	NG	93
69)	Chrysene	31.51	1394	518761	161.81	NG	94
70)	*d12-Perylene	38.51	1737	77489	40.00	NG	94
71)	Di-n-octylphthalate	34.18	1525	1161616	144.75	NG	96
72)	Benzo(b)Fluoranthene	36.22	1625	545392	157.53	NG	92
73)	Benzo(k)Fluoranthene	36.41	1634	409310	145.80	NG	92
74)	Benzo(a)Pyrene	38.20	1722	451366	159.61	NG	98
75)	Indeno(1,2,3-cd)Pyrene	47.43	2175	369237	182.00	NG	98
76)	Dibenzo(a,h)Anthracene	47.72	2189	371455	179.22	NG	98
77)	Benzo(g,h,i)Perylene	49.71	2287	376018	178.37	NG	99

* Compound is ISTD

TOTAL ION CHROMATOGRAM



Data File: >DD578::D3
Name: 920226
Misc: 160 PPM BNA STD

Quant Output File: ^DD578::QT
Instrument ID: MS_D

BTL# 2

Id File: DBNA::SC
Title: HSL BNA ANALYSIS
Last Calibration: 920226 10:14

GC/MS D(#4)
Last Qcal Time: 920225 13:19

Operator ID: PETE
Quant Time : 920226 13:06
Injected at: 920226 12:11

7B

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: GALSON LABORATORIES

Client: NYSEG Task No.: 7360

Instrument ID: GCMS D (#4) Calibration Date: 03/23/92 Time: 09:37

Lab File ID: >DD701 Init. Calib. Date(s): 02/26/92

Min RRF50 for SPCC(#) = 0.050 Max %D for CCC(*) = 25.0%

COMPOUND	RRF	RRF50	%D	
Phenol	1.664	1.597	4.0	*
bis(2-Chloroethyl)ether	1.445	1.616	11.9	
2-Chlorophenol	1.437	1.306	9.1	
1,3-Dichlorobenzene	1.471	1.446	1.8	
1,4-Dichlorobenzene	1.500	1.520	1.4	*
Benzyl_alcohol	.874	.790	9.6	
1,2-Dichlorobenzene	1.452	1.453	.0	
2-Methylphenol	1.743	1.661	4.7	
bis(2-chloroisopropyl)ether	2.759	2.915	5.7	
4-Methylphenol	1.639	1.523	7.1	
N-Nitroso-di-n-propylamine	1.170	1.278	9.2	#
Hexachloroethane	.711	.765	7.6	
Nitrobenzene	.392	.404	2.9	
Isophorone	.740	.725	2.0	
2-Nitrophenol	.268	.256	4.6	*
2,4-Dimethylphenol	.317	.275	13.3	
Benzoic_acid	.392	.374	4.7	
bis(2-Chloroethoxy)methane	.411	.388	5.7	
2,4-Dichlorophenol	.315	.342	8.7	*
1,2,4-Trichlorobenzene	.329	.376	14.4	
Naphthalene	.983	.977	.6	
4-Chloroaniline	.468	.444	5.1	
Hexachlorobutadiene	.179	.219	22.3	*
4-Chloro-3-methylphenol	.358	.378	5.8	*
2-Methylnaphthalene	.635	.707	11.3	
Hexachlorocyclopentadiene	.237	.238	.6	#
2,4,6-Trichlorophenol	.421	.397	5.7	*
2,4,5-Trichlorophenol	.550	.593	7.8	
2-Chloronaphthalene	1.187	1.110	6.5	
2-Nitroaniline	.538	.466	13.3	
Dimethylphthalate	1.577	1.530	3.0	
Acenaphthylene	1.935	1.858	4.0	
2,6-Dinitrotoluene	.393	.395	.7	
3-Nitroaniline	.441	.387	12.1	
Acenaphthene	1.181	1.232	4.3	*
2,4-Dinitrophenol	.210	.219	4.2	#
4-Nitrophenol	.273	.283	3.7	#

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: GALSON LABORATORIES

C. ent: NYSEG Task No.: 7360

Instrument ID: GCMS D (#4) Calibration Date: 03/23/92 Time: 09:37

Lab File ID: >DD701 Init. Calib. Date(s): 02/26/92

Min RRF50 for SPCC(#) = 0.050 Max %D for CCC(*) = 25.0%

COMPOUND	RRF	RRF50	%D	
Dibenzofuran	1.597	1.671	4.6	
2,4-Dinitrotoluene	.489	.523	6.8	
Diethylphthalate	1.653	1.746	5.6	
4-Chlorophenyl-phenylether	.520	.592	13.7	
Fluorene	1.177	1.323	12.4	
4-Nitroaniline	.458	.484	5.9	
4,6-Dinitro-2-methylphenol	.183	.181	1.1	
N-Nitrosodiphenylamine (1)	.617	.596	3.4	*
4-Bromophenyl-phenylether	.225	.257	14.4	
Hexachlorobenzene	.239	.295	23.5	
Pentachlorophenol	.106	.132	24.7	*
Phenanthrene	1.128	1.112	1.4	
Anthracene	1.140	1.114	2.3	
Di-n-butylphthalate	1.775	1.815	2.3	
Fluoranthene	1.086	1.218	12.2	*
Pyrene	1.592	1.344	15.6	
Butylbenzylphthalate	.995	.841	15.4	
3,3'-Dichlorobenzidine	.415	.391	5.8	
Benzo(a)anthracene	1.279	1.258	1.7	
Chrysene	1.158	1.003	13.4	
bis(2-Ethylhexyl)phthalate	1.421	1.201	15.5	
Di-n-octylphthalate	3.640	2.831	22.2	*
Benzo(b)fluoranthene	1.736	1.727	.5	
Benzo(k)fluoranthene	1.388	1.271	8.5	
Benzo(a)pyrene	1.447	1.367	5.6	*
Indeno(1,2,3-cd)pyrene	1.140	1.201	5.4	
Dibenzo(a,h)anthracene	1.158	1.226	5.9	
Benzo(g,h,i)perylene	1.203	1.251	3.9	
Nitrobenzene-d5	.328	.321	2.3	
2-Fluorobiphenyl	1.223	1.161	5.1	
Terphenyl-d14	.832	.799	4.0	
Phenol-d6	1.578	1.472	6.8	
2-Fluorophenol	1.157	1.019	11.9	
2,4,6-Tribromophenol	.103	.126	23.4	

(1) Cannot be separated from Diphenylamine

Operator ID: PETE Quant Rev: 7 Quant Time: 920323 10:34
Output File: ^DD701::D1 Injected at: 920323 09:37
Data File: >DD701::D5 Dilution Factor: 1.00000
Name: 920323 Instrument ID: MS_D
Misc: 50 PPM BNA STD BTL# 2

ID File: DBNA::SC
Title: HSL BNA ANALYSIS GC/MS D(#4)
Last Calibration: 920227 10:32 Last Qcal Time: 920320 09:44

	Compound	R.T.	Scan#	Area	Conc	Units	q
1)	*d4-1,4-Dichlorobenzene	8.50	264	20572	40.00	NG	98
2)	2-Fluorophenol	5.54	119	26203	49.44	NG	69
3)	Phenol-d6	7.56	218	37842	50.17	NG	85
4)	Phenol	7.60	220	41077	50.86	NG	57
5)	bis(2-Chloroethyl)ether	7.82	231	41562	59.04	NG	87
6)	2-Chlorophenol	7.97	238	33591	48.58	NG	99
7)	1,3-Dichlorobenzene	8.33	256	37177	49.46	NG	91
8)	1,4-Dichlorobenzene	8.54	266	39086	50.54	NG	96
9)	Benzyl Alcohol	8.86	282	20314	50.67	NG	91
10)	1,2-Dichlorobenzene	8.92	285	37350	49.08	NG	96
11)	2-Methylphenol	9.15	296	42722	50.17	NG	95
12)	bis(2-Chloroisopropyl)ether	9.21	299	74962M	56.18	NG	89
13)	4-Methylphenol	9.58	317	39153	49.17	NG	97
14)	N-Nitroso-Di-n-propylamine	9.60	318	32853	53.41	NG	78
15)	Hexachloroethane	9.84	330	19669	50.55	NG	86
16)	*d8-Naphthalene	12.08	440	93847	40.00	NG	93
17)	Nitrobenzene-d5	10.01	338	37650	51.70	NG	94
18)	Nitrobenzene	10.05	340	47378	52.68	NG	92
19)	Isophorone	10.74	374	85079	51.60	NG	95
20)	2-Nitrophenol	10.94	384	29995	48.76	NG	79
21)	2,4-Dimethylphenol	11.11	392	32254	49.56	NG	97
22)	Benzoic Acid	11.62	417	43834	53.48	NG	94
23)	bis(2-Chloroethoxy)methane	11.37	405	45507	51.12	NG	98
24)	2,4-Dichlorophenol	11.68	420	40176	49.22	NG	90
25)	1,2,4-Trichlorobenzene	11.90	431	44096	50.97	NG	90
26)	Naphthalene	12.15	443	114628	50.50	NG	95
27)	4-Chloroaniline	12.35	453	52126	50.62	NG	90
28)	Hexachlorobutadiene	12.51	461	25647M	49.17	NG	98
29)	4-Chloro-3-methylphenol	13.86	527	44363	51.35	NG	94
30)	2-Methylnaphthalene	14.29	548	82886	51.08	NG	94
31)	*d10-Acenaphthene	17.61	711	70888	40.00	NG	96
32)	Hexachlorocyclopentadiene	14.76	571	21119	54.91	NG	96
33)	2,4,6-Trichlorophenol	15.18	592	35194	52.25	NG	93
34)	2,4,5-Trichlorophenol	15.33	599	52519	51.85	NG	94
35)	2-Chloronaphthalene	15.82	623	98381	50.81	NG	97
36)	2-Fluorobiphenyl	15.47	606	102831	50.85	NG	95
37)	2-Nitroaniline	16.18	641	41316	48.35	NG	95
38)	Dimethylphthalate	16.79	671	135542	50.65	NG	86
39)	Acenaphthylene	17.14	688	164603	51.05	NG	97
40)	3-Nitroaniline	17.53	707	34327	47.91	NG	93

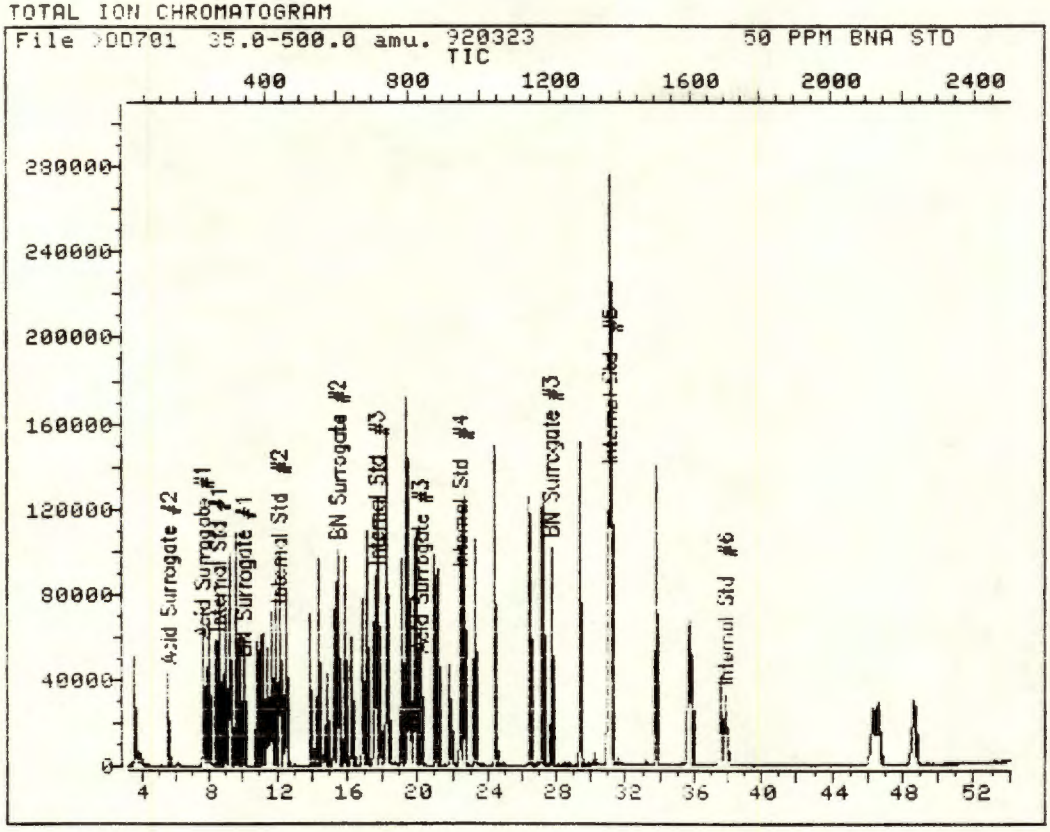
Operator ID: PETE Quant Rev: 7 Quant Time: 920323 10:34
utput File: ^DD701::D1 Injected at: 920323 09:37
Data File: >DD701::D5 Dilution Factor: 1.00000
Name: 920323 Instrument ID: MS_D
Misc: 50 PPM BNA STD BTL# 2

ID File: DBNA::SC
Title: HSL BNA ANALYSIS GC/MS D(#4)
Last Calibration: 920227 10:32 Last Qcal Time: 920320 09:44

	Compound	R.T.	Scan#	Area	Conc	Units	q
41)	Acenaphthene	17.71	716	109204	51.19	NG	95
42)	2,4-Dinitrophenol	17.88	724	19395	52.37	NG	68
43)	4-Nitrophenol	18.18	739	25043	63.66	NG	90
44)	Dibenzofuran	18.26	743	148088	51.18	NG	100
45)	2,4-Dinitrotoluene	18.28	744	46329	51.16	NG	90
46)	2,6-Dinitrotoluene	17.00	681	35038	51.26	NG	87
47)	Diethylphthalate	19.08	783	154749	50.46	NG	92
48)	4-Chlorophenyl-phenylether	19.40	799	52421	50.46	NG	93
49)	Fluorene	19.38	798	117256	51.75	NG	99
50)	4-Nitroaniline	19.51	804	42925	51.57	NG	87
51)	*d10-Phenanthrene	22.40	946	127196	40.00	NG	98
52)	4,6-Dinitro-2-methylphenol	19.59	808	28850	51.03	NG	92
53)	N-Nitrosodiphenylamine	19.79	818	94820	51.26	NG	95
54)	2,4,6-Tribromophenol	20.14	835	20104M	52.58	NG	98
55)	4-Bromophenyl-phenylether	20.98	876	40858	51.10	NG	98
56)	Hexachlorobenzene	21.14	884	46959	52.55	NG	96
57)	Pentachlorophenol	21.81	917	21035	65.95	NG	99
58)	Phenanthrene	22.48	950	176776	50.37	NG	97
59)	Anthracene	22.67	959	177185	49.83	NG	99
60)	Di-n-Butylphthalate	24.38	1043	288609	51.38	NG	96
61)	Fluoranthene	26.36	1140	193726	49.25	NG	99
62)	*d12-Chrysene	31.07	1371	121267	40.00	NG	96
63)	Pyrene	27.09	1176	203690	53.33	NG	98
64)	Terphenyl-d14	27.62	1202	121095	54.32	NG	98
65)	Butylbenzylphthalate	29.25	1282	127508	54.53	NG	83
66)	3,3'-Dichlorobenzidine	30.94	1365	59259	46.01	NG	99
67)	Benzo(a)Anthracene	31.02	1369	190666	53.14	NG	99
68)	Bis(2-Ethylhexyl)Phthalate	31.13	1374	182027	55.96	NG	91
69)	Chrysene	31.15	1375	151974	50.24	NG	95
70)	*d12-Perylene	37.81	1702	87326	40.00	NG	94
71)	Di-n-octylphthalate	33.74	1502	309062	41.79	NG	97
72)	Benzo(b)Fluoranthene	35.61	1594	188546	54.76	NG	93
73)	Benzo(k)Fluoranthene	35.78	1602	138731	47.06	NG	93
74)	Benzo(a)Pyrene	37.47	1685	149182	49.59	NG	98
75)	Indeno(1,2,3-cd)Pyrene	46.27	2117	131152	52.99	NG	95
76)	Dibenzo(a,h)Anthracene	46.58	2132	133850	52.28	NG	99
77)	Benzo(g,h,i)Perylene	48.61	2232	136517	51.58	NG	99

* Compound is ISTD

TOTAL ION CHROMATOGRAM



Data File: >DD701::D5 Quant Output File: ^DD701::D1
Name: 920323 Instrument ID: MS_D
Misc: 50 PPM BNA STD BTL# 2

Id File: DBNA::SC
Title: HSL BNA ANALYSIS GC/MS D(#4)
Last Calibration: 920227 10:32 Last Qcal Time: 920320 09:44

Operator ID: PETE
Quant Time : 920323 10:34
Injected at: 920323 09:37

8B

GC/MS SEMIVOLATILE INTERNAL STANDARD SUMMARY

Lab Name: GALSON LABORATORIES

Client: NYSEG

Task No.: 7360

Lab File ID (Standard): >DD701

Date Analyzed: 03/23/92

Instrument ID: D

Time Analyzed: 09:37

		IS1(DCB)		IS2(NPT)		IS3(ANT)	
		AREA #	RT	AREA #	RT	AREA #	RT
	12 HOUR STD	20572	8.50	93847	12.08	70888	17.61
	UPPER LIMIT	41144		187694		141776	
	LOWER LIMIT	10286		46924		35444	
	SAMPLE NO.						
1	BLNK-Q5.0545	20520	8.47	79051	12.06	51525	17.57
2	B.S.-Q5.0545	21541	8.48	82987	12.05	53976	17.57
3	REF STD #729	22066	8.48	88289	12.05	59387	17.57
4	PYVIXXXX01	21932	8.47	83687	12.04	53127	17.58
5	PYVIXXXX01MS	21325	8.47	87103	12.04	55865	17.58
6	PYVIXXX01MSD	21409	8.47	85080	12.06	53933	17.57
7							
8							
9							
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							
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

8C

GC/MS SEMIVOLATILE INTERNAL STANDARD SUMMARY

Lab Name: GALSON LABORATORIES

.ient: NYSEG Task No.: 7360

Lab File ID (Standard): >DD701 Date Analyzed: 03/23/92

Instrument ID: D Time Analyzed: 09:37

		IS4(PHN)		IS5(CRY)		IS6(PRY)	
		AREA #	RT	AREA #	RT	AREA #	RT
	12 HOUR STD	127196	22.40	121267	31.07	87326	37.81
	UPPER LIMIT	254392		242534		174652	
	LOWER LIMIT	63598		60634		43663	
	SAMPLE NO.						
1	BLNK-Q5.0545	90413	22.40	85681	31.04	72991	37.80
2	B.S.-Q5.0545	96461	22.40	86606	31.03	71207	37.79
3	REF STD #729	107857	22.40	98202	31.02	83137	37.78
4	PYVIXXXX01	90890	22.38	84340	31.02	70985	37.76
5	PYVIXXXX01MS	100559	22.38	91258	31.02	75061	37.76
6	PYVIXXX01MSD	95402	22.38	86883	31.02	71423	37.76
7							
8							
9							
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							
21							
22							

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

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

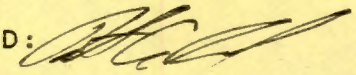
Column used to flag internal standard area values with an asterisk

FORM VIII SV-2 1/87 Rev.

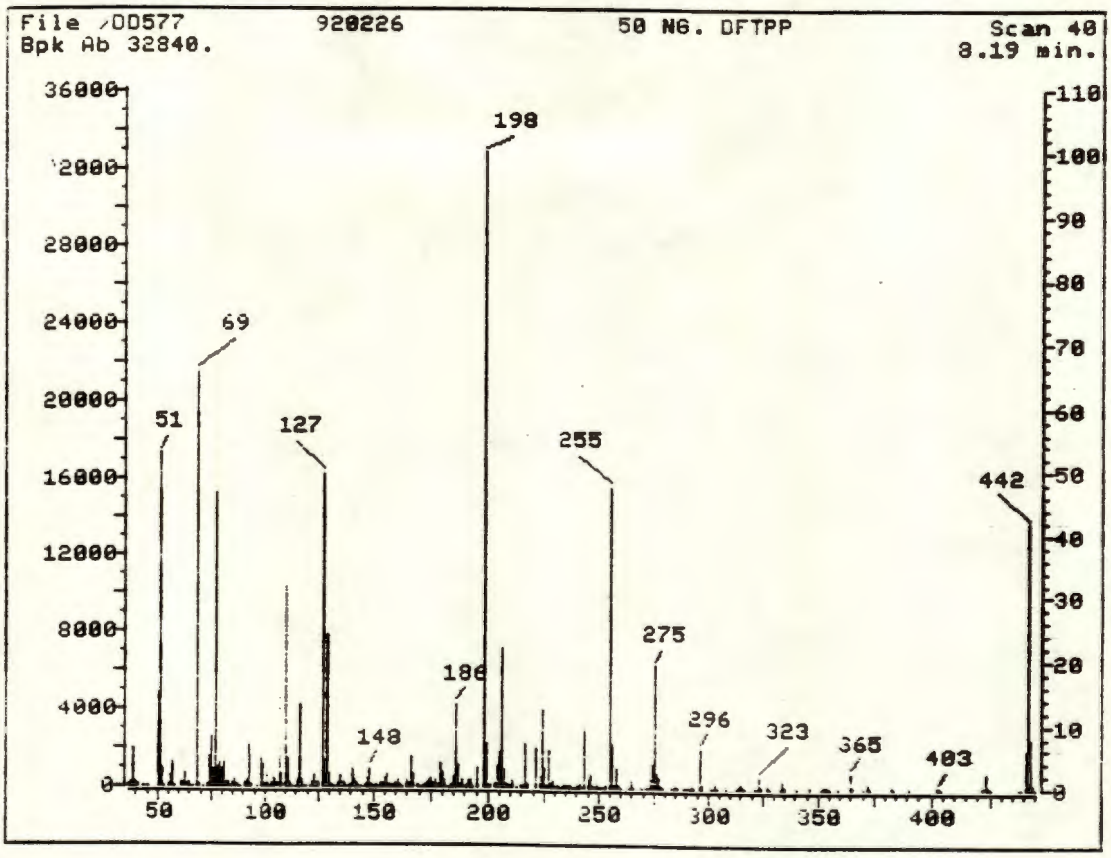
GC/MS

SEMI-VOLATILES

RAW QUALITY CONTROL DATA

REVIEWED: 

PETER INDICK

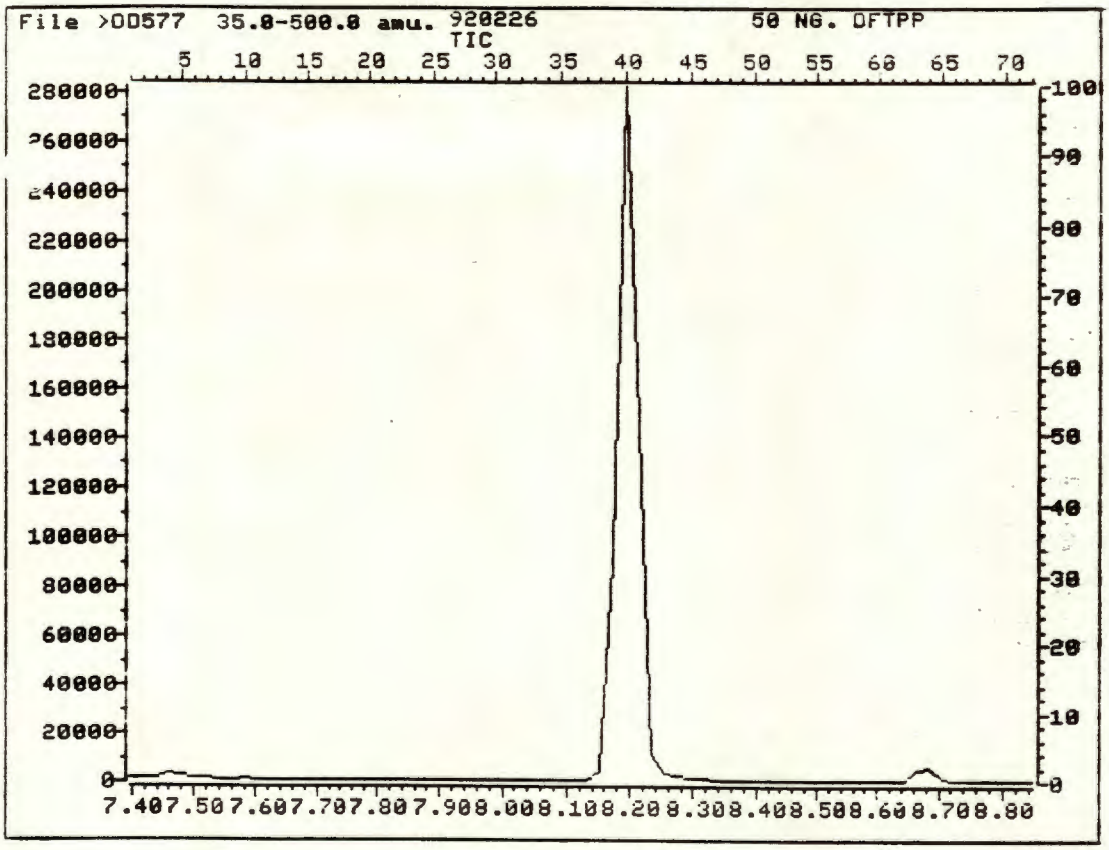


GC/MS PERFORMANCE STANDARD

Decafluorotriphenylphospine (DFTPP)

m/z	Ion Abundance Criteria	% Relative Abundance Base Peak	% Relative Abundance Appropriate Peak	Status
51	30-60% of mass 198	52.67	52.67	Ok
68	Less than 2% of mass 69	0.00	0.00	Ok
69	(reference only)	65.41	65.41	Ok
70	Less than 2% of mass 69	.31	.47	Ok
127	40-60% of mass 198	49.44	49.44	Ok
197	Less than 1% of mass 198	0.00	0.00	Ok
198	Base peak, 100% relative abundance	100.00	100.00	Ok
199	5-9% of mass 198	6.74	6.74	Ok
275	10-30% of mass 198	19.20	19.20	Ok
365	Greater than 1% of mass 198	2.53	2.53	Ok
441	0-100% of mass 443	6.14	76.67	Ok
442	Greater than 40% of mass 198	41.95	41.95	Ok
443	17-23% of mass 442	8.00	19.08	Ok

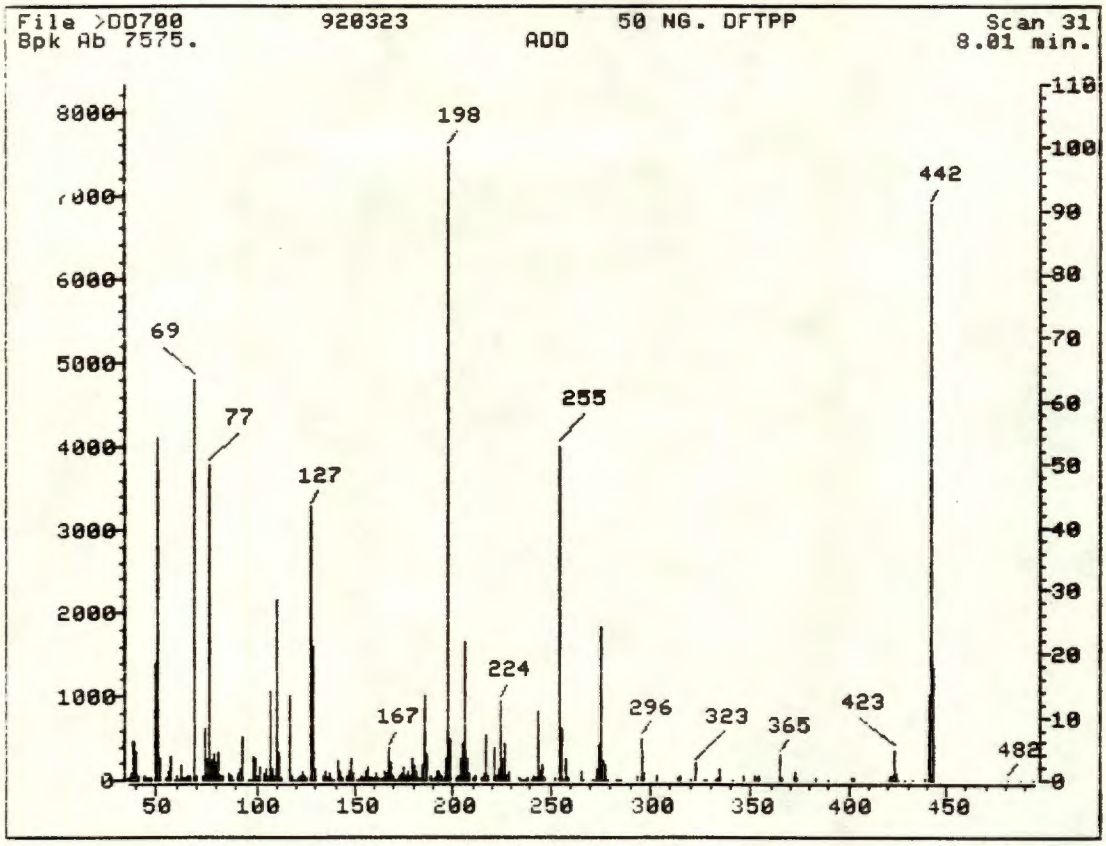
Injection Date: 02/26/92
Injection Time: 11:54
Data File: >DD577
Scan: 40



>DD577 920226 50 NG. DFTPP
40 NRM NOM

File: >DD577 Scan #: 40 Retn. time: 8.19

m/z	Int.	m/z	Int.	m/z	Int.	m/z	Int.	m/z	Int.
39.05	5.682	98.90	3.584	146.90	1.282	192.95	1.130	245.95	2.186
50.00	14.601	100.90	1.882	147.90	2.923	195.90	3.225	254.90	47.418
51.00	52.667	103.90	1.270	155.00	1.440	197.90	100.000	255.90	6.876
52.00	2.722	104.90	1.212	155.90	1.973	198.90	6.736	257.90	3.127
55.90	1.720	107.00	14.117	160.90	1.233	203.90	3.395	265.00	1.248
56.90	3.727	107.90	2.074	164.90	1.026	204.90	5.642	273.00	1.519
63.00	1.976	109.90	31.392	167.00	4.982	206.00	21.803	273.95	3.724
68.85	65.408	111.00	4.580	168.00	1.949	207.00	2.948	274.95	19.199
73.95	4.817	116.90	12.786	173.95	1.099	211.00	1.057	275.95	2.543
74.95	7.692	117.95	1.008	174.95	1.574	216.90	6.921	276.95	1.918
76.05	2.671	122.95	1.772	178.85	3.971	221.00	6.020	295.95	6.279
76.95	46.209	126.95	49.443	179.95	2.445	222.95	1.611	323.00	1.809
77.95	3.225	127.95	4.029	180.95	1.200	223.95	12.302	333.95	1.005
78.95	3.755	128.95	23.730	184.95	1.812	224.95	3.085	364.90	2.533
79.95	2.744	129.95	1.955	185.95	13.063	226.95	5.938	423.00	2.537
80.95	3.822	134.95	1.669	186.95	3.596	228.95	1.038	440.95	6.136
85.95	1.005	140.95	2.719	188.95	1.014	243.95	9.129	441.95	41.949
92.90	6.577	141.95	1.005	191.95	1.178	245.05	1.267	442.95	8.002
97.90	4.628								

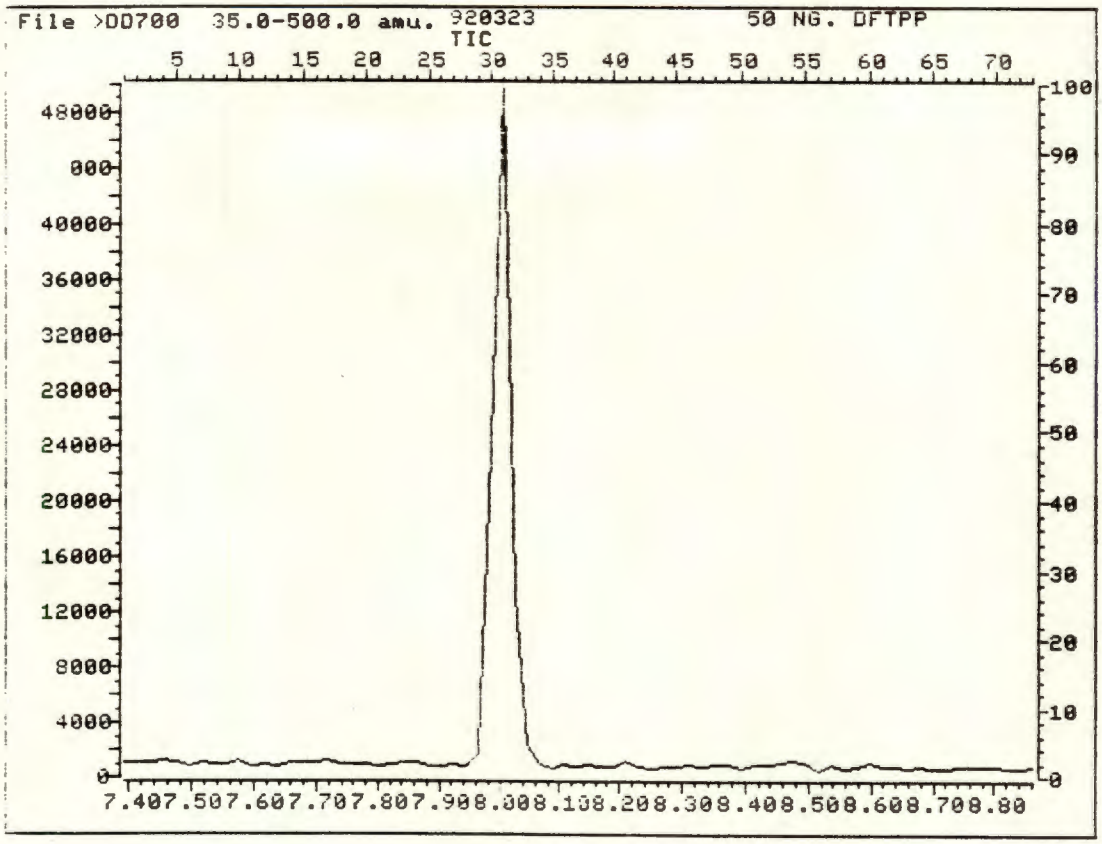


GC/MS PERFORMANCE STANDARD

Decafluorotriphenylphospine (DFTPP)

m/z	Ion Abundance Criteria	% Relative Abundance Base Peak	% Relative Abundance Appropriate Peak	Status
51	30-60% of mass 198	54.22	54.22	Ok
68	Less than 2% of mass 69	0.00	0.00	Ok
69	(reference only)	63.37	63.37	Ok
70	Less than 2% of mass 69	.74	1.17	Ok
127	40-60% of mass 198	43.21	43.21	Ok
197	Less than 1% of mass 198	0.00	0.00	Ok
198	Base peak, 100% relative abundance	100.00	100.00	Ok
199	5-9% of mass 198	6.65	6.65	Ok
275	10-30% of mass 198	24.12	24.12	Ok
365	Greater than 1% of mass 198	3.97	3.97	Ok
441	0-100% of mass 443	13.54	76.45	Ok
442	Greater than 40% of mass 198	90.96	90.96	Ok
443	17-23% of mass 442	17.72	19.48	Ok

Injection Date: 03/23/92
Injection Time: 09:19
Data File: >DD700
Scan: 31



>DD700 920323 50 NG. DFTPP
31 ADD NRM NOM

File: >DD700 Scan #: 31 Retn. time: 8.01

m/z	Int.	m/z	Int.	m/z	Int.	m/z	Int.	m/z	Int.
38.15	1.043	92.00	1.624	142.00	1.347	196.00	3.419	258.00	3.393
39.00	6.191	93.00	7.010	147.00	1.531	198.00	100.000	264.95	1.413
40.00	4.475	98.00	3.908	148.00	3.617	199.00	6.653	272.95	1.729
50.00	18.389	99.00	3.591	155.00	1.267	204.00	3.419	274.05	5.333
51.10	54.218	101.00	2.033	156.10	2.271	205.10	5.954	275.05	24.119
52.10	3.472	103.90	1.069	160.90	1.201	206.10	21.571	276.05	3.076
56.00	1.465	105.00	1.663	164.95	1.373	207.10	3.472	277.05	2.297
57.00	3.947	107.10	14.073	167.05	5.069	216.05	1.083	296.00	6.640
63.10	2.350	108.00	1.941	167.95	2.759	216.95	7.023	297.00	1.056
68.95	63.366	110.00	28.488	174.05	1.228	221.05	5.241	323.05	2.733
74.05	6.561	111.10	4.541	175.05	1.967	223.25	1.611	334.15	1.716
75.05	8.119	116.95	13.267	176.95	1.347	224.05	12.541	365.05	3.974
76.15	3.564	122.95	1.413	179.05	3.591	225.05	3.380	371.95	1.294
77.05	49.809	127.05	43.208	180.05	2.482	227.05	5.888	423.05	4.977
78.05	3.050	128.05	4.092	181.05	1.386	229.05	1.386	424.05	1.215
[illegible].05	4.211	128.95	21.083	185.05	2.429	244.00	11.023	441.00	13.545
[illegible].95	2.957	130.05	1.861	186.05	13.399	245.00	1.545	442.00	90.957
81.05	4.370	135.05	1.492	187.05	4.106	246.10	2.429	443.00	17.716
86.05	1.017	137.05	1.017	192.00	1.333	255.00	52.858	443.90	1.439
90.90	1.135	141.00	2.970	193.00	1.320	256.10	8.119		

GC/MS SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
PAGE 1

SAMPLE: BLNK-Q5.0545

Lab Name: GALSON LABORATORIES

Client: NYSEG — Task No.: 7360

Matrix: (soil/water) SOIL — Lab Sample ID: Q5-0545

Sample wt/vol: 30.00g — Lab File ID: >DD706::D5

Level: (low/med) LOW — Date Received: 00/00/00

% Moisture: not dec.: 0 — Date Extracted:03/12/92

Extraction:(SepF/Cont/Sonc) SONC — Date Analyzed:03/23/92

GPC Cleanup: (Y/N) Y — Dilution Factor: 1.00

CAS No.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
108-95-2	Phenol	670.	U
111-44-4	bis(2-Chloroethyl)ether	670.	U
95-57-8	2-Chlorophenol	670.	U
541-73-1	1,3-Dichlorobenzene	670.	U
106-46-7	1,4-Dichlorobenzene	670.	U
100-51-6	Benzyl Alcohol	670.	U
95-50-1	1,2-Dichlorobenzene	670.	U
95-48-7	2-Methylphenol	670.	U
39638-32-9	bis(2-Chloroisopropyl)ether	670.	U
106-44-5	4-Methylphenol	670.	U
621-64-7	N-Nitroso-Di-n-propylamine	670.	U
67-72-1	Hexachloroethane	670.	U
98-95-3	Nitrobenzene	670.	U
78-59-1	Isophorone	670.	U
88-75-5	2-Nitrophenol	670.	U
105-67-9	2,4-Dimethylphenol	670.	U
65-85-0	Benzoic Acid	670.	U
111-91-1	bis(2-Chloroethoxy)methane	670.	U
120-83-2	2,4-Dichlorophenol	670.	U
120-82-1	1,2,4-Trichlorobenzene	670.	U
91-20-3	Naphthalene	670.	U
106-47-8	4-Chloroaniline	670.	U
87-68-3	Hexachlorobutadiene	670.	U
59-50-7	4-Chloro-3-methylphenol	670.	U
91-57-6	2-Methylnaphthalene	670.	U
77-47-4	Hexachlorocyclopentadiene	670.	U
88-06-2	2,4,6-Trichlorophenol	670.	U
95-95-4	2,4,5-Trichlorophenol	3300.	U
91-58-7	2-Chloronaphthalene	670.	U
88-74-4	2-Nitroaniline	3300.	U
131-11-3	Dimethylphthalate	670.	U
208-96-8	Acenaphthylene	670.	U
99-09-2	3-Nitroaniline	3300.	U
83-32-9	Acenaphthene	670.	U

GC/MS SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
PAGE 2

SAMPLE: BLNK-Q5.0545

Lab Name: GALSON LABORATORIES

Client: NYSEG

Task No.: 7360

Matrix: (soil/water) SOIL

Lab Sample ID: Q5-0545

Sample wt/vol: 30.00g

Lab File ID: >DD706::D5

Level: (low/med) LOW

Date Received: 00/00/00

% Moisture: not dec.: 0

Date Extracted: 03/12/92

Extraction: (SepF/Cont/Sonc) SONC

Date Analyzed: 03/23/92

GPC Cleanup: (Y/N) Y

Dilution Factor: 1.00

CAS No.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
51-28-5	2,4-Dinitrophenol	3300.	U
100-02-7	4-Nitrophenol	3300.	U
132-64-9	Dibenzofuran	670.	U
121-14-2	2,4-Dinitrotoluene	670.	U
606-20-2	2,6-Dinitrotoluene	670.	U
84-66-2	Diethylphthalate	670.	U
7005-72-3	4-Chlorophenyl-phenylether	670.	U
86-73-7	Fluorene	670.	U
100-01-6	4-Nitroaniline	3300.	U
534-52-1	4,6-Dinitro-2-methylphenol	3300.	U
86-30-6	N-Nitrosodiphenylamine	670.	U
101-55-3	4-Bromophenyl-phenylether	670.	U
118-74-1	Hexachlorobenzene	670.	U
87-86-5	Pentachlorophenol	3300.	U
85-01-8	Phenanthrene	670.	U
120-12-7	Anthracene	670.	U
84-74-2	Di-n-Butylphthalate	670.	U
206-44-0	Fluoranthene	670.	U
129-00-0	Pyrene	670.	U
85-68-7	Butylbenzylphthalate	670.	U
91-94-1	3,3'-Dichlorobenzidine	1300.	U
56-55-3	Benzo(a)Anthracene	670.	U
117-81-7	Bis(2-Ethylhexyl)Phthalate	670.	U
218-01-9	Chrysene	670.	U
117-84-0	Di-n-octylphthalate	670.	U
205-99-2	Benzo(b)Fluoranthene	670.	U
207-08-9	Benzo(k)Fluoranthene	670.	U
50-32-8	Benzo(a)Pyrene	670.	U
193-39-5	Indeno(1,2,3-cd)Pyrene	670.	U
53-70-3	Dibenzo(a,h)Anthracene	670.	U
191-24-2	Benzo(g,h,i)Perylene	670.	U

1E

GC/MS SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

SAMPLE: BLNK-Q5.0545

b Name: GALSON LABORATORIES

Client: NYSEG

Task No.: 7360

Matrix: (soil/water) SOIL

Lab Sample ID: Q5-0545

Sample wt/vol: 30.00g

Lab File ID: >DD706::D5

Level: (low/med) LOW

Date Received : 00/00/00

% Moisture: not dec.: 0

Date Extracted: 03/12/92

Extraction:(SepF/Cont/Sonc) SONC

Date Analyzed : 03/23/92

GPC Cleanup: (Y/N) Y

Dilution Factor: 1.00

Number TICs Found: 2

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/Kg

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		Unknown	6.90	440.	J
2.		Unknown	7.78	450.	J
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.					

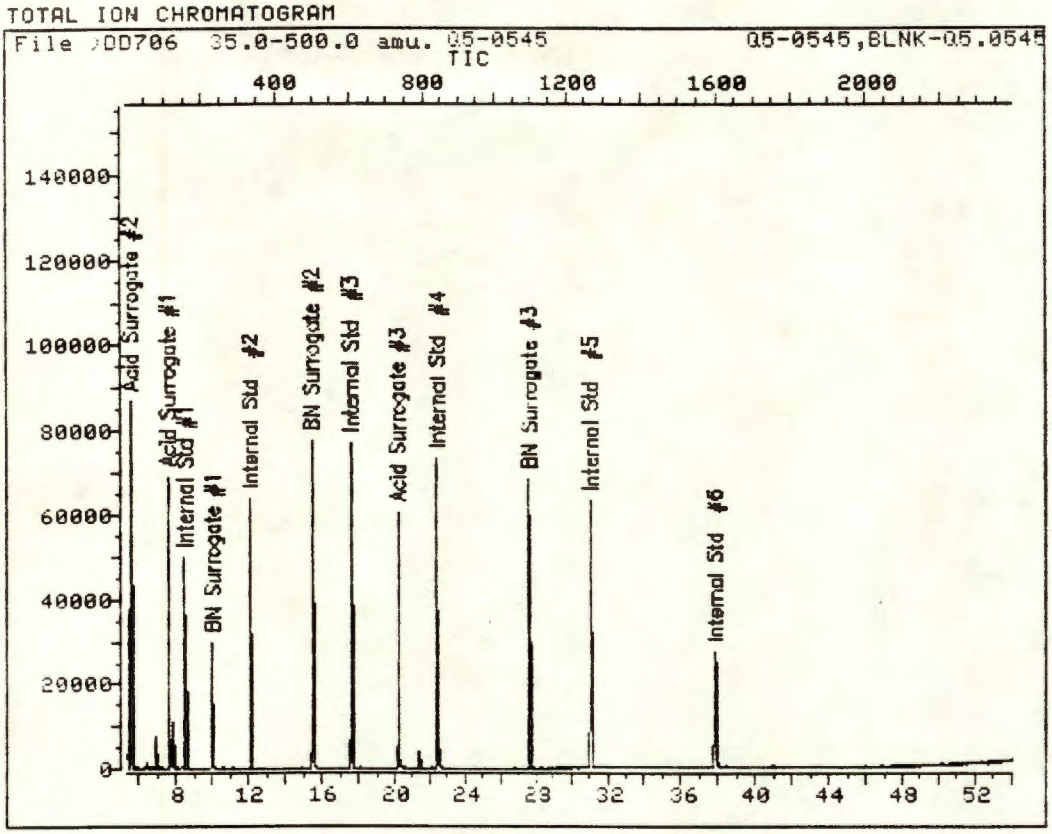
Operator ID: PETE Quant Rev: 7 Quant Time: 920323 15:55
utput File: ^DD706::QT Injected at: 920323 14:59
Data File: >DD706::D5 Dilution Factor: 1.00000
Name: Q5-0545 Instrument ID: MS_D
Misc: Q5-0545,BLNK-Q5.0545,SOIL,30.00,2,0 BTL# 5

ID File: DBNA::SC
Title: HSL BNA ANALYSIS GC/MS D(#4)
Last Calibration: 920227 10:32 Last Qcal Time: 920323 09:37

	Compound	R.T.	Scan#	Area	Conc	Units	q
1)	*d4-1,4-Dichlorobenzene	8.47	155	20520	40.00	NG	96
2)	2-Fluorophenol	5.54	11	51249	98.04	NG	70
3)	Phenol-d6	7.53	109	59310	78.56	NG	77
16)	*d8-Naphthalene	12.06	331	79051	40.00	NG	91
17)	Nitrobenzene-d5	9.98	229	26900	42.41	NG	96
31)	*d10-Acenaphthene	17.57	602	51525	40.00	NG	93
36)	2-Fluorobiphenyl	15.44	497	73805	49.37	NG	96
51)	*d10-Phenanthrene	22.40	839	90413	40.00	NG	99
54)	2,4,6-Tribromophenol	20.14	728	25138	87.96	NG	97
62)	*d12-Chrysene	31.04	1263	85681	40.00	NG	98
64)	Terphenyl-d14	27.62	1095	79372	46.38	NG	97
70)	*d12-Perylene	37.80	1595	72991	40.00	NG	95

* Compound is ISTD

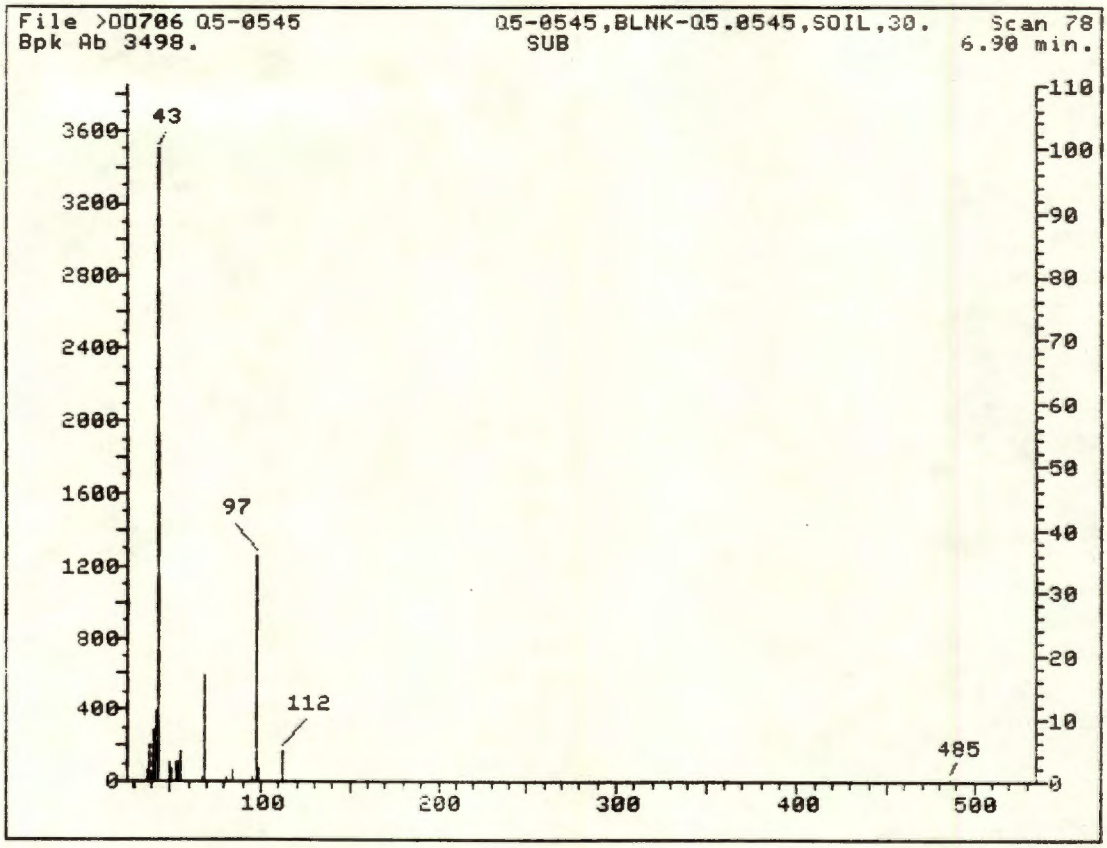
TOTAL ION CHROMATOGRAM



Data File: >DD706::D5 Quant Output File: ^DD706::QT
Name: Q5-0545 Instrument ID: MS_D
Misc: Q5-0545,BLNK-Q5.0545,SOIL,30.00,2,0 BTL# 5

Id File: DBNA::SC
Title: HSL BNA ANALYSIS GC/MS D(#4)
Last Calibration: 920227 10:32 Last Qcal Time: 920323 09:37

Operator ID: PETE
Quant Time : 920323 15:55
Injected at: 920323 14:59



Instrument ID: MS_D Analyzed on: 3/23/92 14:59
Result 1 in PBM results file: LDD706
Retention Time: 6.90 Area: 21244 Tentative Conc: 440.00
The Internal Standard area is 129011

Sample file: >DD706 Spectrum #: 78

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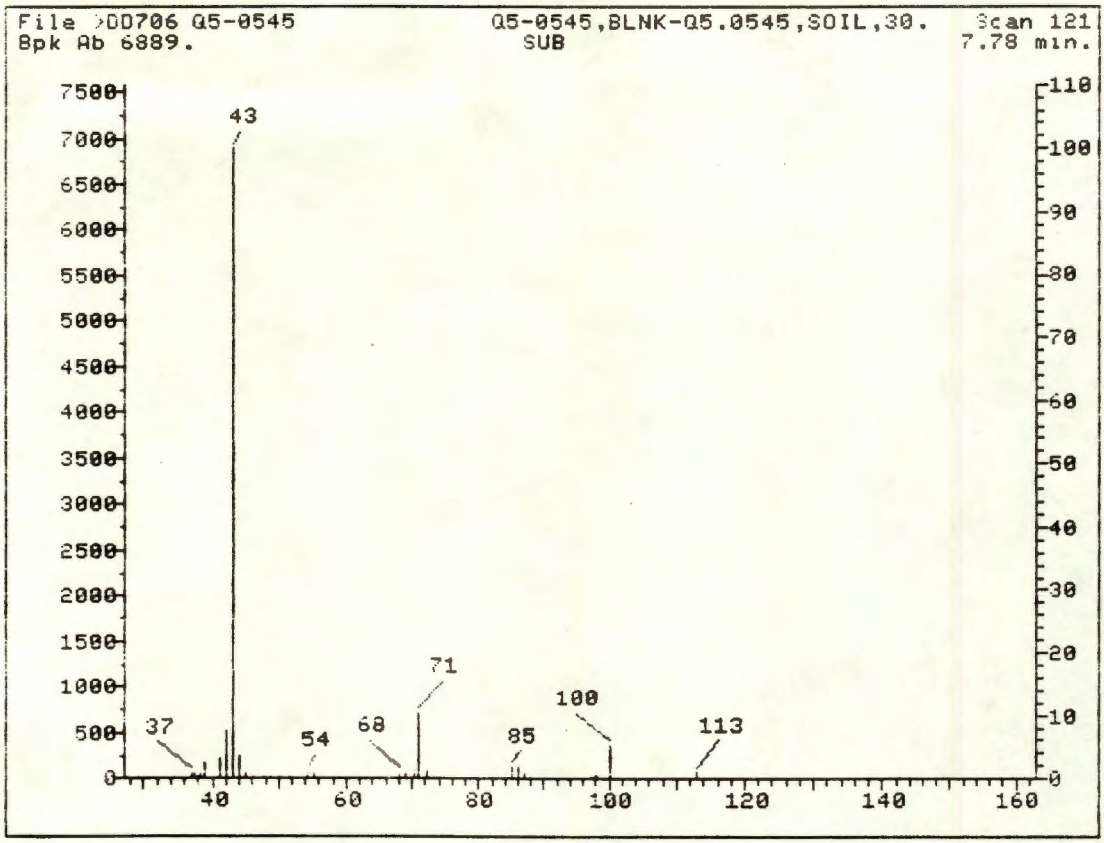


Instrument ID: MS_D Analyzed on: 3/23/92 14:59
Result 2 in PBM results file: LDD706
Retention Time: 7.78 Area: 21754 Tentative Conc: 450.00
The Internal Standard area is 129011

Sample file: >DD706 Spectrum #: 121

No data base entries were retrieved.

GC/MS SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
PAGE 1

SAMPLE: PYVIXXXX01MS

Lab Name: GALSON LABORATORIES

Client: NYSEG — Task No.: 7360

Matrix: (soil/water) SOIL — Lab Sample ID: 7360-003

Sample wt/vol: 30.13g — Lab File ID: >DD710::D5

Level: (low/med) LOW — Date Received: 03/07/92

% Moisture: not dec.: 36 — Date Extracted: 03/12/92

Extraction: (SepF/Cont/Sonc) SONC — Date Analyzed: 03/23/92

GPC Cleanup: (Y/N) Y — Dilution Factor: 1.00

CAS No.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
108-95-2	Phenol	7400.	
111-44-4	bis(2-Chloroethyl)ether	1000.	U
95-57-8	2-Chlorophenol	7800.	
541-73-1	1,3-Dichlorobenzene	1000.	U
106-46-7	1,4-Dichlorobenzene	3700.	
100-51-6	Benzyl Alcohol	1000.	U
95-50-1	1,2-Dichlorobenzene	1000.	U
95-48-7	2-Methylphenol	1000.	U
39638-32-9	bis(2-Chloroisopropyl)ether	1000.	U
106-44-5	4-Methylphenol	1000.	U
621-64-7	N-Nitroso-Di-n-propylamine	3400.	
67-72-1	Hexachloroethane	1000.	U
98-95-3	Nitrobenzene	1000.	U
78-59-1	Isophorone	1000.	U
88-75-5	2-Nitrophenol	1000.	U
105-67-9	2,4-Dimethylphenol	1000.	U
65-85-0	Benzoic Acid	1000.	U
111-91-1	bis(2-Chloroethoxy)methane	1000.	U
120-83-2	2,4-Dichlorophenol	1000.	U
120-82-1	1,2,4-Trichlorobenzene	3900.	
91-20-3	Naphthalene	140.	J
106-47-8	4-Chloroaniline	1000.	U
87-68-3	Hexachlorobutadiene	1000.	U
59-50-7	4-Chloro-3-methylphenol	7600.	
91-57-6	2-Methylnaphthalene	1000.	U
77-47-4	Hexachlorocyclopentadiene	1000.	U
88-06-2	2,4,6-Trichlorophenol	1000.	U
95-95-4	2,4,5-Trichlorophenol	5200.	U
91-58-7	2-Chloronaphthalene	1000.	U
88-74-4	2-Nitroaniline	5200.	U
131-11-3	Dimethylphthalate	1000.	U
208-96-8	Acenaphthylene	1000.	U
99-09-2	3-Nitroaniline	5200.	U
83-32-9	Acenaphthene	4400.	

GC/MS SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
PAGE 2

SAMPLE: PYVIXXXX01MS

Lab Name: GALSON LABORATORIES

Client: NYSEG — Task No.: 7360

Matrix: (soil/water) SOIL — Lab Sample ID: 7360-003

Sample wt/vol: 30.13g — Lab File ID: >DD710::D5

Level: (low/med) LOW — Date Received: 03/07/92

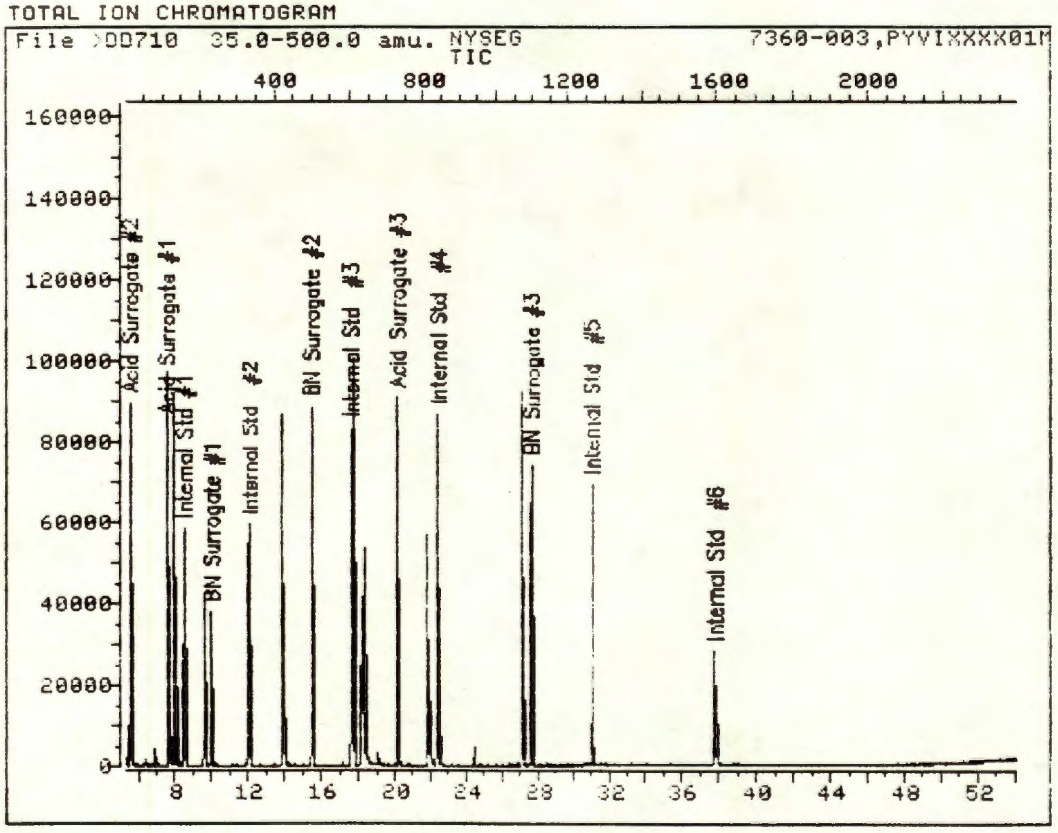
% Moisture: not dec.: 36 — Date Extracted:03/12/92

Extraction:(SepF/Cont/Sonc) SONC — Date Analyzed:03/23/92

GPC Cleanup: (Y/N) Y — Dilution Factor: 1.00

CAS No.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
51-28-5	2,4-Dinitrophenol	5200.	U
100-02-7	4-Nitrophenol	4800.	J
132-64-9	Dibenzofuran	1000.	U
121-14-2	2,4-Dinitrotoluene	4400.	
606-20-2	2,6-Dinitrotoluene	1000.	U
84-66-2	Diethylphthalate	1000.	U
7005-72-3	4-Chlorophenyl-phenylether	1000.	U
86-73-7	Fluorene	1000.	U
100-01-6	4-Nitroaniline	5200.	U
534-52-1	4,6-Dinitro-2-methylphenol	5200.	U
86-30-6	N-Nitrosodiphenylamine	1000.	U
101-55-3	4-Bromophenyl-phenylether	1000.	U
118-74-1	Hexachlorobenzene	1000.	U
87-86-5	Pentachlorophenol	8300.	
85-01-8	Phenanthrene	120.	J
120-12-7	Anthracene	1000.	U
84-74-2	Di-n-Butylphthalate	160.	J
206-44-0	Fluoranthene	61.	J
129-00-0	Pyrene	4800.	
85-68-7	Butylbenzylphthalate	1000.	U
91-94-1	3,3'-Dichlorobenzidine	2100.	U
56-55-3	Benzo(a)Anthracene	1000.	U
117-81-7	Bis(2-Ethylhexyl)Phthalate	200.	J
218-01-9	Chrysene	1000.	U
117-84-0	Di-n-octylphthalate	1000.	U
205-99-2	Benzo(b)Fluoranthene	1000.	U
207-08-9	Benzo(k)Fluoranthene	1000.	U
50-32-8	Benzo(a)Pyrene	1000.	U
193-39-5	Indeno(1,2,3-cd)Pyrene	1000.	U
53-70-3	Dibenzo(a,h)Anthracene	1000.	U
191-24-2	Benzo(g,h,i)Perylene	1000.	U

TOTAL ION CHROMATOGRAM



Data File: >DD710::D5 Quant Output File: ^DD710::QT
Name: NYSEG Instrument ID: MS_D
Misc: 7360-003,PYVIXXXX01MS,SOIL,30.13,2,36 BTL# 9

Id File: DBNA::SC
Title: HSL BNA ANALYSIS GC/MS D(#4)
Last Calibration: 920227 10:32 Last Qcal Time: 920323 09:37

Operator ID: PETE
Quant Time : 920323 20:12
Injected at: 920323 19:17

Operator ID: PETE Quant Rev: 7 Quant Time: 920323 20:12
Output File: ^DD710::QT Injected at: 920323 19:17
Data File: >DD710::D5 Dilution Factor: 1.00000
Name: NYSEG Instrument ID: MS_D
Misc: 7360-003,PYVIXXXX01MS,SOIL,30.13,2,36 BTL# 9

ID File: DBNA::SC
Title: HSL BNA ANALYSIS GC/MS D(#4)
Last Calibration: 920227 10:32 Last Qcal Time: 920323 09:37

	Compound	R.T.	Scan#	Area	Conc	Units	q
1)	*d4-1,4-Dichlorobenzene	8.47	156	21325	40.00	NG	95
2)	2-Fluorophenol	5.52	11	52212	96.11	NG	65
3)	Phenol-d6	7.54	110	62162	79.23	NG	82
4)	Phenol	7.56	111	60921	71.54	NG	68
6)	2-Chlorophenol	7.94	130	52397	75.24	NG	96
8)	1,4-Dichlorobenzene	8.51	158	29213	36.05	NG	93
14)	N-Nitroso-Di-n-propylamine	9.53	208	22598	33.18	NG	86
16)	*d8-Naphthalene	12.04	331	87103	40.00	NG	89
17)	Nitrobenzene-d5	9.96	229	27442	39.27	NG	93
25)	1,2,4-Trichlorobenzene	11.87	323	30607	37.39	NG	93
26)	Naphthalene	12.10	334	2781	1.31	NG	96
29)	4-Chloro-3-methylphenol	13.83	419	60146	73.04	NG	90
31)	*d10-Acenaphthene	17.58	603	55865	40.00	NG	95
36)	2-Fluorobiphenyl	15.44	498	78029	48.14	NG	96
41)	Acenaphthene	17.68	608	73285	42.58	NG	96
43)	4-Nitrophenol	18.13	630	18431	46.69	NG	76
45)	2,4-Dinitrotoluene	18.25	636	31018	42.48	NG	92
51)	*d10-Phenanthrene	22.38	839	100559	40.00	NG	99
54)	2,4,6-Tribromophenol	20.12	728	32560	102.43	NG	97
57)	Pentachlorophenol	21.79	810	26665	80.17	NG	99
58)	Phenanthrene	22.47	843	3265	1.17	NG	98
60)	Di-n-Butylphthalate	24.36	936	7017	1.54	NG	98
61)	Fluoranthene	26.33	1033	1809	.591	NG	99
62)	*d12-Chrysene	31.02	1263	91258	40.00	NG	97
63)	Pyrene	27.07	1069	142400	46.45	NG	99
64)	Terphenyl-d14	27.62	1096	86189	47.29	NG	94
68)	Bis(2-Ethylhexyl)Phthalate	31.10	1267	5315	1.94	NG	91
70)	*d12-Perylene	37.76	1594	75061	40.00	NG	93

* Compound is ISTD

GC/MS SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
PAGE 1

SAMPLE: PYVIXXX01MSD

Lab Name: GALSON LABORATORIES

Client: NYSEG — Task No.: 7360

Matrix: (soil/water) SOIL — Lab Sample ID: 7360-004

Sample wt/vol: 30.13g — Lab File ID: >DD711::D5

Level: (low/med) LOW — Date Received: 03/07/92

% Moisture: not dec.: 24 — Date Extracted:03/12/92

Extraction:(SepF/Cont/Sonc) SONC — Date Analyzed:03/23/92

GPC Cleanup: (Y/N) Y — Dilution Factor: 1.00

CAS No.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
108-95-2	Phenol	6200.	
111-44-4	bis(2-Chloroethyl)ether	870.	U
95-57-8	2-Chlorophenol	6700.	
541-73-1	1,3-Dichlorobenzene	870.	U
106-46-7	1,4-Dichlorobenzene	3200.	
100-51-6	Benzyl Alcohol	870.	U
95-50-1	1,2-Dichlorobenzene	870.	U
95-48-7	2-Methylphenol	870.	U
39638-32-9	bis(2-Chloroisopropyl)ether	870.	U
106-44-5	4-Methylphenol	870.	U
621-64-7	N-Nitroso-Di-n-propylamine	2900.	
67-72-1	Hexachloroethane	870.	U
98-95-3	Nitrobenzene	870.	U
78-59-1	Isophorone	870.	U
88-75-5	2-Nitrophenol	870.	U
105-67-9	2,4-Dimethylphenol	870.	U
65-85-0	Benzoic Acid	870.	U
111-91-1	bis(2-Chloroethoxy)methane	870.	U
120-83-2	2,4-Dichlorophenol	870.	U
120-82-1	1,2,4-Trichlorobenzene	3400.	
91-20-3	Naphthalene	120.	J
106-47-8	4-Chloroaniline	870.	U
87-68-3	Hexachlorobutadiene	870.	U
59-50-7	4-Chloro-3-methylphenol	6400.	
91-57-6	2-Methylnaphthalene	870.	U
77-47-4	Hexachlorocyclopentadiene	870.	U
88-06-2	2,4,6-Trichlorophenol	870.	U
95-95-4	2,4,5-Trichlorophenol	4400.	U
91-58-7	2-Chloronaphthalene	870.	U
88-74-4	2-Nitroaniline	4400.	U
131-11-3	Dimethylphthalate	870.	U
208-96-8	Acenaphthylene	46.	J
99-09-2	3-Nitroaniline	4400.	U
83-32-9	Acenaphthene	3800.	

GC/MS SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
PAGE 2

SAMPLE: PYVIXXX01MSD

Lab Name: GALSON LABORATORIES

Client: NYSEG — Task No.: 7360

Matrix: (soil/water) SOIL — Lab Sample ID: 7360-004

Sample wt/vol: 30.13g — Lab File ID: >DD711::D5

Level: (low/med) LOW — Date Received: 03/07/92

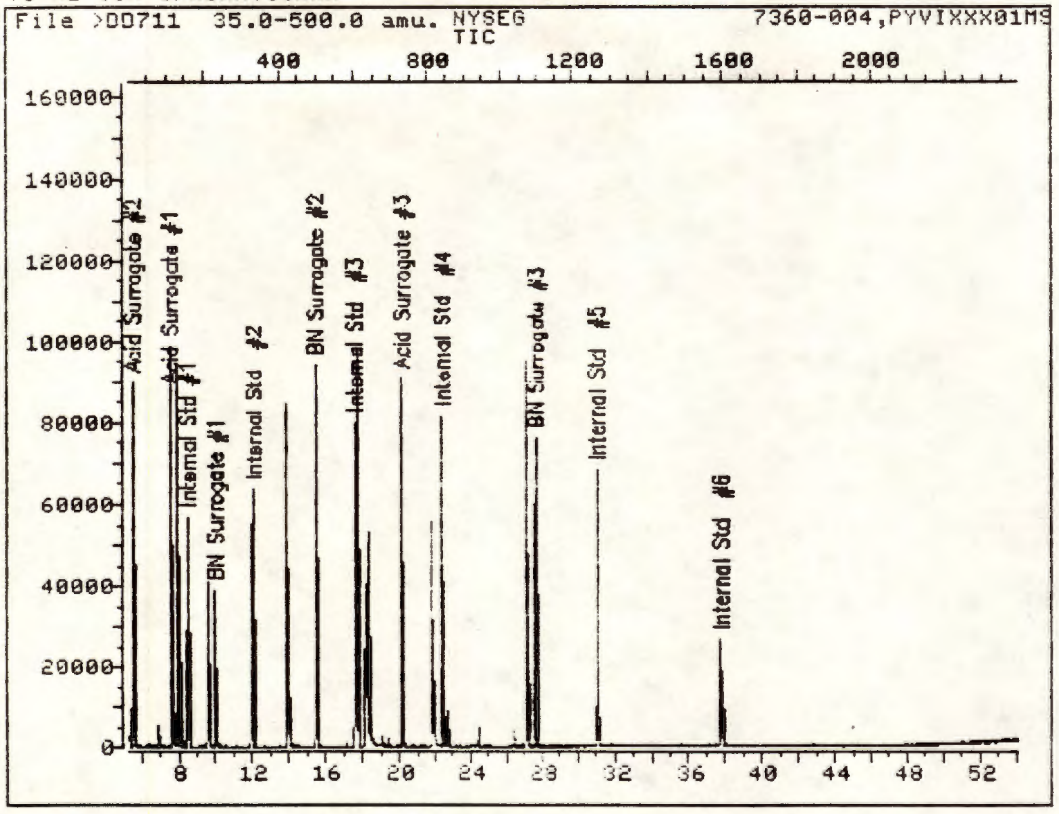
% Moisture: not dec.: 24 — Date Extracted: 03/12/92

Extraction: (SepF/Cont/Sonc) SONC — Date Analyzed: 03/23/92

GPC Cleanup: (Y/N) Y — Dilution Factor: 1.00

CAS No.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
51-28-5	2,4-Dinitrophenol	4400.	U
100-02-7	4-Nitrophenol	3700.	J
132-64-9	Dibenzofuran	63.	J
121-14-2	2,4-Dinitrotoluene	3700.	
606-20-2	2,6-Dinitrotoluene	870.	U
84-66-2	Diethylphthalate	870.	U
7005-72-3	4-Chlorophenyl-phenylether	870.	U
86-73-7	Fluorene	870.	U
100-01-6	4-Nitroaniline	4400.	U
534-52-1	4,6-Dinitro-2-methylphenol	4400.	U
86-30-6	N-Nitrosodiphenylamine	870.	U
101-55-3	4-Bromophenyl-phenylether	870.	U
118-74-1	Hexachlorobenzene	870.	U
87-86-5	Pentachlorophenol	7100.	
85-01-8	Phenanthrene	300.	J
120-12-7	Anthracene	360.	J
84-74-2	Di-n-Butylphthalate	130.	J
206-44-0	Fluoranthene	160.	J
129-00-0	Pyrene	4300.	
85-68-7	Butylbenzylphthalate	870.	U
91-94-1	3,3'-Dichlorobenzidine	1700.	U
56-55-3	Benzo(a)Anthracene	870.	U
117-81-7	Bis(2-Ethylhexyl)Phthalate	310.	J
218-01-9	Chrysene	870.	U
117-84-0	Di-n-octylphthalate	870.	U
205-99-2	Benzo(b)Fluoranthene	870.	U
207-08-9	Benzo(k)Fluoranthene	870.	U
50-32-8	Benzo(a)Pyrene	870.	U
193-39-5	Indeno(1,2,3-cd)Pyrene	870.	U
53-70-3	Dibenzo(a,h)Anthracene	870.	U
191-24-2	Benzo(g,h,i)Perylene	870.	U

TOTAL ION CHROMATOGRAM



Data File: >DD711::D5 Quant Output File: ^DD711::QT
Name: NYSEG Instrument ID: MS_D
Misc: 7360-004,PYVIXXX01MSD,SOIL,30.13,2,24 BTL#10

Id File: DBNA::SC
Title: HSL BNA ANALYSIS GC/MS D(#4)
Last Calibration: 920227 10:32 Last Qcal Time: 920323 09:37

Operator ID: PETE
Quant Time : 920323 21:18
Injected at: 920323 20:23

Operator ID: PETE Quant Rev: 7 Quant Time: 920323 21:18
utput File: ^DD711::QT Injected at: 920323 20:23
Data File: >DD711::D5 Dilution Factor: 1.00000
Name: NYSEG Instrument ID: MS_D
Misc: 7360-004,PYVIXXX01MSD,SOIL,30.13,2,24 BTL#10

ID File: DBNA::SC
Title: HSL BNA ANALYSIS GC/MS D(#4)
Last Calibration: 920227 10:32 Last Qcal Time: 920323 09:37

	Compound	R.T.	Scan#	Area	Conc	Units	q
1)	*d4-1,4-Dichlorobenzene	8.47	156	21409	40.00	NG	95
2)	2-Fluorophenol	5.52	11	53705	98.47	NG	67
3)	Phenol-d6	7.53	110	64465	81.85	NG	81
4)	Phenol	7.56	111	60860	71.18	NG	71
6)	2-Chlorophenol	7.94	130	53995	77.23	NG	97
8)	1,4-Dichlorobenzene	8.51	158	30109	37.01	NG	92
14)	N-Nitroso-Di-n-propylamine	9.53	208	22336	32.66	NG	83
16)	*d8-Naphthalene	12.06	332	85080	40.00	NG	92
17)	Nitrobenzene-d5	9.96	229	29012	42.50	NG	94
25)	1,2,4-Trichlorobenzene	11.87	323	31087	38.88	NG	95
26)	Naphthalene	12.12	335	2796	1.35	NG	99
29)	4-Chloro-3-methylphenol	13.83	419	59360	73.80	NG	89
31)	*d10-Acenaphthene	17.57	603	53933	40.00	NG	96
36)	2-Fluorobiphenyl	15.44	498	78496	50.17	NG	96
39)	Acenaphthylene	17.11	580	1312	.524	NG	95
41)	Acenaphthene	17.68	608	71913	43.28	NG	95
43)	4-Nitrophenol	18.12	630	16102	42.26	NG	76
44)	Dibenzofuran	18.23	635	1637	.726	NG	100
45)	2,4-Dinitrotoluene	18.25	636	29819	42.30	NG	93
51)	*d10-Phenanthrene	22.38	839	95402	40.00	NG	98
54)	2,4,6-Tribromophenol	20.12	728	31909	105.81	NG	96
57)	Pentachlorophenol	21.79	810	25735	81.56	NG	96
58)	Phenanthrene	22.46	843	8997	3.39	NG	93
59)	Anthracene	22.63	851	10857	4.08	NG	98
60)	Di-n-Butylphthalate	24.36	936	6678	1.54	NG	94
61)	Fluoranthene	26.33	1033	5430	1.87	NG	95
62)	*d12-Chrysene	31.02	1263	86883	40.00	NG	96
63)	Pyrene	27.07	1069	143305	49.10	NG	96
64)	Terphenyl-d14	27.62	1096	83414	48.07	NG	95
68)	Bis(2-Ethylhexyl)Phthalate	31.10	1267	9295	3.56	NG	91
70)	*d12-Perylene	37.76	1594	71423	40.00	NG	95

* Compound is ISTD

GC/MS SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
PAGE 1

SAMPLE: B.S.-Q5.0545

Lab Name: GALSON LABORATORIES

Client: NYSEG — Task No.: 7360

Matrix: (soil/water) SOIL — Lab Sample ID: Q5-0545BS

Sample wt/vol: 30.00g — Lab File ID: >DD707::D5

Level: (low/med) LOW — Date Received: 00/00/00

% Moisture: not dec.: 0 — Date Extracted: 03/12/92

Extraction: (SepF/Cont/Sonc) SONC — Date Analyzed: 03/23/92

GPC Cleanup: (Y/N) Y — Dilution Factor: 1.00

CAS No.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
108-95-2	Phenol	4500.	
111-44-4	bis(2-Chloroethyl)ether	670.	U
95-57-8	2-Chlorophenol	5100.	
541-73-1	1,3-Dichlorobenzene	670.	U
106-46-7	1,4-Dichlorobenzene	2400.	
100-51-6	Benzyl Alcohol	670.	U
95-50-1	1,2-Dichlorobenzene	670.	U
95-48-7	2-Methylphenol	670.	U
39638-32-9	bis(2-Chloroisopropyl)ether	670.	U
106-44-5	4-Methylphenol	670.	U
621-64-7	N-Nitroso-Di-n-propylamine	2100.	
67-72-1	Hexachloroethane	670.	U
98-95-3	Nitrobenzene	670.	U
78-59-1	Isophorone	670.	U
88-75-5	2-Nitrophenol	670.	U
105-67-9	2,4-Dimethylphenol	670.	U
65-85-0	Benzoic Acid	670.	U
111-91-1	bis(2-Chloroethoxy)methane	670.	U
120-83-2	2,4-Dichlorophenol	670.	U
120-82-1	1,2,4-Trichlorobenzene	2600.	
91-20-3	Naphthalene	670.	U
106-47-8	4-Chloroaniline	670.	U
87-68-3	Hexachlorobutadiene	670.	U
59-50-7	4-Chloro-3-methylphenol	5000.	
91-57-6	2-Methylnaphthalene	670.	U
77-47-4	Hexachlorocyclopentadiene	670.	U
88-06-2	2,4,6-Trichlorophenol	670.	U
95-95-4	2,4,5-Trichlorophenol	3300.	U
91-58-7	2-Chloronaphthalene	670.	U
88-74-4	2-Nitroaniline	3300.	U
131-11-3	Dimethylphthalate	670.	U
208-96-8	Acenaphthylene	670.	U
99-09-2	3-Nitroaniline	3300.	U
83-32-9	Acenaphthene	2800.	

GC/MS SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
PAGE 2

SAMPLE: B.S.-Q5.0545

Lab Name: GALSON LABORATORIES

Client: NYSEG

Task No.: 7360

Matrix: (soil/water) SOIL

Lab Sample ID: Q5-0545BS

Sample wt/vol: 30.00g

Lab File ID: >DD707::D5

Level: (low/med) LOW

Date Received: 00/00/00

% Moisture: not dec.: 0

Date Extracted:03/12/92

Extraction:(SepF/Cont/Sonc) SONC

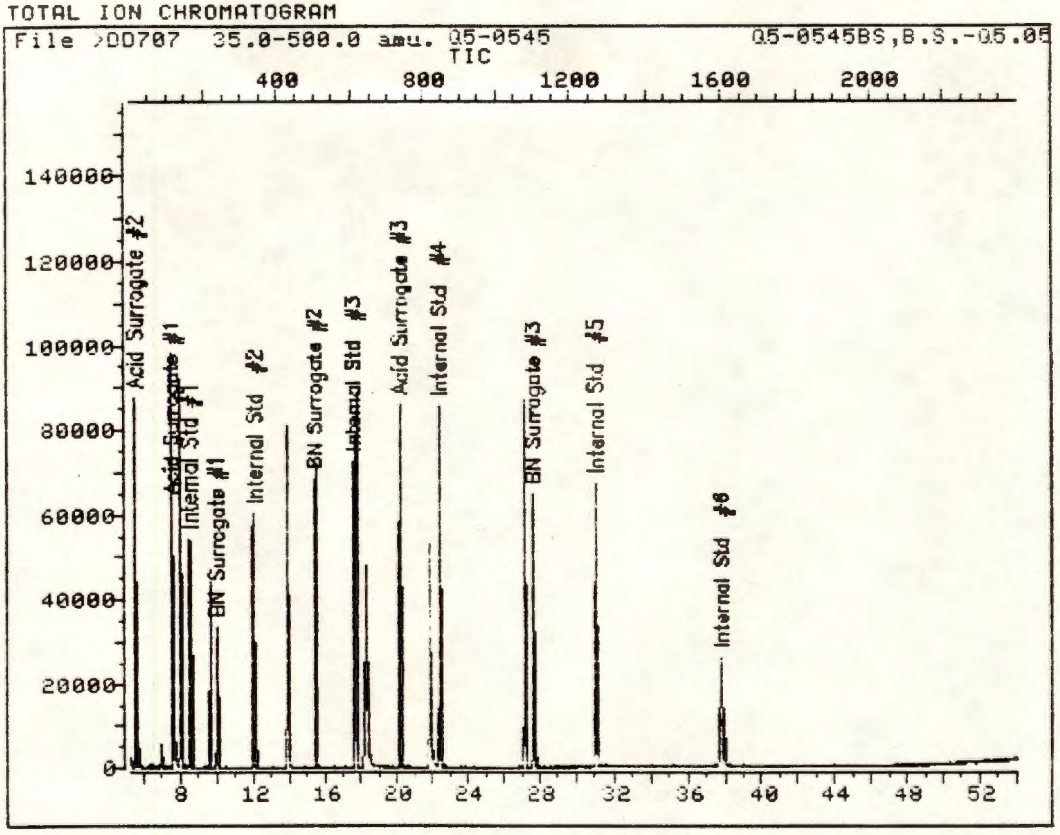
Date Analyzed:03/23/92

GPC Cleanup: (Y/N) Y

Dilution Factor: 1.00

CAS No.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
51-28-5	2,4-Dinitrophenol	3300.	U
100-02-7	4-Nitrophenol	2900.	J
132-64-9	Dibenzofuran	670.	U
121-14-2	2,4-Dinitrotoluene	2900.	
606-20-2	2,6-Dinitrotoluene	670.	U
84-66-2	Diethylphthalate	670.	U
7005-72-3	4-Chlorophenyl-phenylether	670.	U
86-73-7	Fluorene	670.	U
100-01-6	4-Nitroaniline	3300.	U
534-52-1	4,6-Dinitro-2-methylphenol	3300.	U
86-30-6	N-Nitrosodiphenylamine	670.	U
101-55-3	4-Bromophenyl-phenylether	670.	U
118-74-1	Hexachlorobenzene	670.	U
87-86-5	Pentachlorophenol	5300.	
85-01-8	Phenanthrene	670.	U
120-12-7	Anthracene	670.	U
84-74-2	Di-n-Butylphthalate	670.	U
206-44-0	Fluoranthene	670.	U
129-00-0	Pyrene	3100.	
85-68-7	Butylbenzylphthalate	670.	U
91-94-1	3,3'-Dichlorobenzidine	1300.	U
56-55-3	Benzo(a)Anthracene	670.	U
117-81-7	Bis(2-Ethylhexyl)Phthalate	670.	U
218-01-9	Chrysene	670.	U
117-84-0	Di-n-octylphthalate	670.	U
205-99-2	Benzo(b)Fluoranthene	670.	U
207-08-9	Benzo(k)Fluoranthene	670.	U
50-32-8	Benzo(a)Pyrene	670.	U
193-39-5	Indeno(1,2,3-cd)Pyrene	670.	U
53-70-3	Dibenzo(a,h)Anthracene	670.	U
191-24-2	Benzo(g,h,i)Perylene	670.	U

TOTAL ION CHROMATOGRAM



Data File: >DD707::D5 Quant Output File: ^DD707::QT
Name: Q5-0545 Instrument ID: MS_D
Misc: Q5-0545BS,B.S.-Q5.0545,SOIL,30.00,2,0 BTL# 6

Id File: DBNA::SC
Title: HSL BNA ANALYSIS GC/MS D(#4)
Last Calibration: 920227 10:32 Last Qcal Time: 920323 09:37

Operator ID: PETE
Quant Time : 920323 16:58
Injected at: 920323 16:03

Operator ID: PETE Quant Rev: 7 Quant Time: 920323 16:58
Output File: ^DD707::QT Injected at: 920323 16:03
ata File: >DD707::D5 Dilution Factor: 1.00000
Name: Q5-0545 Instrument ID: MS_D
Misc: Q5-0545BS,B.S.-Q5.0545,SOIL,30.00,2,0 BTL# 6

ID File: DBNA::SC
Title: HSL BNA ANALYSIS GC/MS D(#4)
Last Calibration: 920227 10:32 Last Qcal Time: 920323 09:37

	Compound	R.T.	Scan#	Area	Conc	Units	q
1)	*d4-1,4-Dichlorobenzene	8.48	159	21541	40.00	NG	96
2)	2-Fluorophenol	5.53	14	48276	87.98	NG	64
3)	Phenol-d6	7.53	112	58176	73.41	NG	78
4)	Phenol	7.57	114	58160	67.61	NG	66
6)	2-Chlorophenol	7.96	133	53493	76.04	NG	98
8)	1,4-Dichlorobenzene	8.53	161	29603	36.17	NG	94
14)	N-Nitroso-Di-n-propylamine	9.54	211	21982	31.95	NG	86
16)	*d8-Naphthalene	12.05	334	82987	40.00	NG	90
17)	Nitrobenzene-d5	9.97	232	25271	37.95	NG	97
25)	1,2,4-Trichlorobenzene	11.89	326	30528	39.15	NG	96
29)	4-Chloro-3-methylphenol	13.84	422	59134	75.37	NG	92
31)	*d10-Acenaphthene	17.57	605	53976	40.00	NG	91
36)	2-Fluorobiphenyl	15.43	500	71128	45.42	NG	94
41)	Acenaphthene	17.69	611	70233	42.23	NG	96
43)	4-Nitrophenol	18.14	633	16570	43.45	NG	72
45)	2,4-Dinitrotoluene	18.24	638	30661	43.46	NG	85
51)	*d10-Phenanthrene	22.40	842	96461	40.00	NG	97
54)	2,4,6-Tribromophenol	20.14	731	31865	104.50	NG	95
57)	Pentachlorophenol	21.81	813	25403	79.62	NG	97
62)	*d12-Chrysene	31.03	1266	86606	40.00	NG	97
63)	Pyrene	27.08	1072	135668	46.63	NG	98
64)	Terphenyl-d14	27.63	1099	75534	43.67	NG	96
70)	*d12-Perylene	37.79	1598	71207	40.00	NG	93

* Compound is ISTD

GC/MS SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
PAGE 1

SAMPLE: REF STD #729

Lab Name: GALSON LABORATORIES

Client: NYSEG

Task No.: 7360

Matrix: (soil/water) SOIL

Lab Sample ID: REF STD

Sample wt/vol: 30.00g

Lab File ID: >DD708::D5

Level: (low/med) LOW

Date Received: 00/00/00

% Moisture: not dec.: 0

Date Extracted:03/12/92

Extraction:(SepF/Cont/Sonc) SONC

Date Analyzed:03/23/92

GPC Cleanup: (Y/N) Y

Dilution Factor: 1.00

CAS No.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
108-95-2	Phenol	1300.	
111-44-4	bis(2-Chloroethyl)ether	1100.	
95-57-8	2-Chlorophenol	1400.	
541-73-1	1,3-Dichlorobenzene	1300.	
106-46-7	1,4-Dichlorobenzene	1300.	
100-51-6	Benzyl Alcohol	930.	
95-50-1	1,2-Dichlorobenzene	1300.	
95-48-7	2-Methylphenol	910.	
39638-32-9	bis(2-Chloroisopropyl)ether	1100.	
106-44-5	4-Methylphenol	1100.	
621-64-7	N-Nitroso-Di-n-propylamine	1200.	
67-72-1	Hexachloroethane	1100.	
98-95-3	Nitrobenzene	1300.	
78-59-1	Isophorone	1400.	
88-75-5	2-Nitrophenol	1100.	
105-67-9	2,4-Dimethylphenol	940.	
65-85-0	Benzoic Acid	530.	J
111-91-1	bis(2-Chloroethoxy)methane	1700.	
120-83-2	2,4-Dichlorophenol	1400.	
120-82-1	1,2,4-Trichlorobenzene	1400.	
91-20-3	Naphthalene	1500.	
106-47-8	4-Chloroaniline	290.	J
87-68-3	Hexachlorobutadiene	1400.	
59-50-7	4-Chloro-3-methylphenol	1400.	
91-57-6	2-Methylnaphthalene	1500.	
77-47-4	Hexachlorocyclopentadiene	590.	J
88-06-2	2,4,6-Trichlorophenol	1400.	
95-95-4	2,4,5-Trichlorophenol	1000.	J
91-58-7	2-Chloronaphthalene	1600.	
88-74-4	2-Nitroaniline	1500.	J
131-11-3	Dimethylphthalate	1500.	
208-96-8	Acenaphthylene	1600.	
99-09-2	3-Nitroaniline	880.	J
83-32-9	Acenaphthene	1700.	

GC/MS SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
PAGE 2

SAMPLE

| REF STD #729 |

Lab Name: GALSON LABORATORIES

Client: NYSEG

Task No.: 7360

Matrix: (soil/water) SOIL

Lab Sample ID: REF STD

Sample wt/vol: 30.00g

Lab File ID: >DD708::D5

Level: (low/med) LOW

Date Received: 00/00/00

% Moisture: not dec.: 0

Date Extracted:03/12/92

Extraction:(SepF/Cont/Sonc) SONC

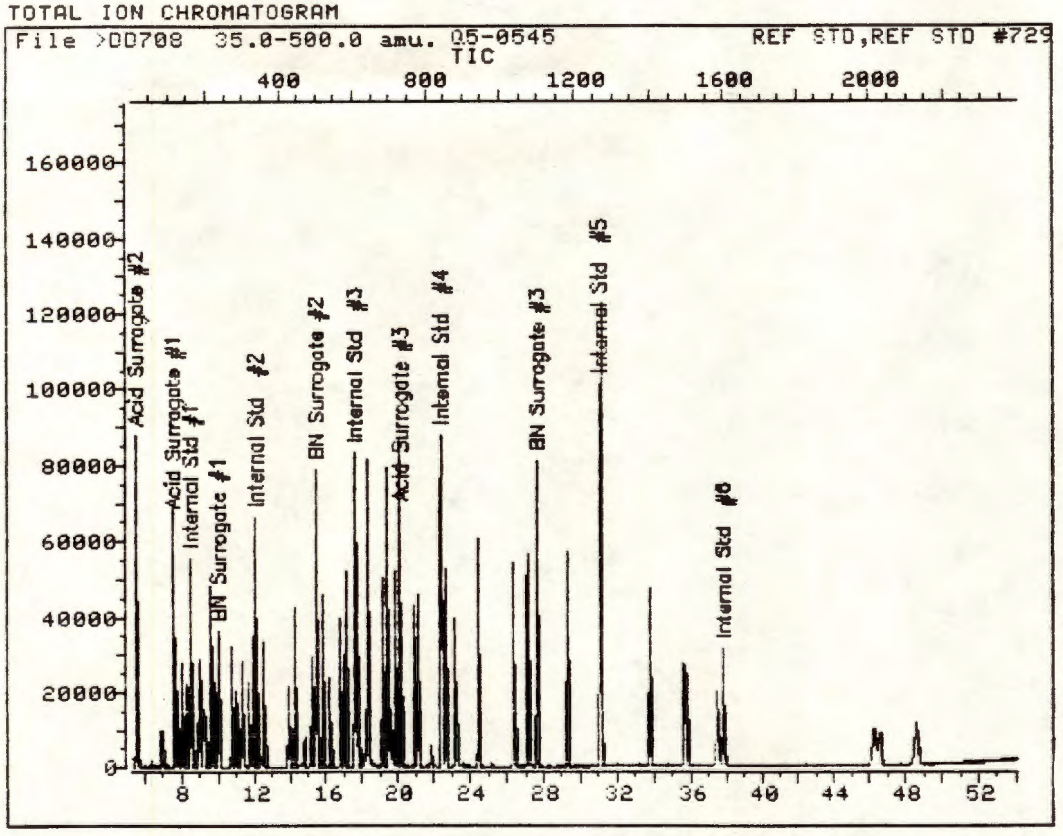
Date Analyzed:03/23/92

GPC Cleanup: (Y/N) Y

Dilution Factor: 1.00

CAS No.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
51-28-5	2,4-Dinitrophenol	360.	J
100-02-7	4-Nitrophenol	880.	J
132-64-9	Dibenzofuran	1600.	
121-14-2	2,4-Dinitrotoluene	1500.	
606-20-2	2,6-Dinitrotoluene	1500.	
84-66-2	Diethylphthalate	1500.	
7005-72-3	4-Chlorophenyl-phenylether	2000.	
86-73-7	Fluorene	1700.	
100-01-6	4-Nitroaniline	840.	J
534-52-1	4,6-Dinitro-2-methylphenol	1000.	J
86-30-6	N-Nitrosodiphenylamine	1500.	
101-55-3	4-Bromophenyl-phenylether	1500.	
118-74-1	Hexachlorobenzene	1600.	
87-86-5	Pentachlorophenol	610.	J
85-01-8	Phenanthrene	1700.	
120-12-7	Anthracene	1600.	
84-74-2	Di-n-Butylphthalate	1500.	
206-44-0	Fluoranthene	1600.	
129-00-0	Pyrene	1700.	
85-68-7	Butylbenzylphthalate	1600.	
91-94-1	3,3'-Dichlorobenzidine	380.	J
56-55-3	Benzo(a)Anthracene	1500.	
117-81-7	Bis(2-Ethylhexyl)Phthalate	1500.	
218-01-9	Chrysene	1700.	
117-84-0	Di-n-octylphthalate	1200.	
205-99-2	Benzo(b)Fluoranthene	1200.	
207-08-9	Benzo(k)Fluoranthene	1500.	
50-32-8	Benzo(a)Pyrene	1200.	
193-39-5	Indeno(1,2,3-cd)Pyrene	1200.	
53-70-3	Dibenzo(a,h)Anthracene	1100.	
191-24-2	Benzo(g,h,i)Perylene	1200.	

TOTAL ION CHROMATOGRAM



Data File: >DD708::D5 Quant Output File: ^DD708::QT
Name: Q5-0545 Instrument ID: MS_D
Misc: REF STD,REF STD #729,SOIL,30.00,2,0 BTL# 7

Id File: DBNA::SC
Title: HSL BNA ANALYSIS GC/MS D(#4)
Last Calibration: 920227 10:32 Last Qcal Time: 920323 09:37

Operator ID: PETE
Quant Time : 920323 18:03
Injected at: 920323 17:08

Operator ID: PETE Quant Rev: 7 Quant Time: 920323 18:03
ıtput File: ^DD708::QT Injected at: 920323 17:08
Data File: >DD708::D5 Dilution Factor: 1.00000
Name: Q5-0545 Instrument ID: MS_D
Misc: REF STD,REF STD #729,SOIL,30.00,2,0 BTL# 7

ID File: DBNA::SC
Title: HSL BNA ANALYSIS GC/MS D(#4)
Last Calibration: 920227 10:32 Last Qcal Time: 920323 09:37

	Compound	R.T.	Scan#	Area	Conc	Units	q
1)	*d4-1,4-Dichlorobenzene	8.48	158	22066	40.00	NG	94
2)	2-Fluorophenol	5.53	13	49818	88.63	NG	73
3)	Phenol-d6	7.52	111	59554	73.36	NG	78
4)	Phenol	7.56	113	17100	19.41	NG	56
5)	bis(2-Chloroethyl)ether	7.79	124	14124	15.84	NG	92
6)	2-Chlorophenol	7.95	132	15415	21.39	NG	97
7)	1,3-Dichlorobenzene	8.32	150	15972	20.03	NG	93
8)	1,4-Dichlorobenzene	8.52	160	16217	19.34	NG	95
9)	Benzyl Alcohol	8.83	175	6096	13.99	NG	84
10)	1,2-Dichlorobenzene	8.91	179	16056	20.04	NG	94
11)	2-Methylphenol	9.13	190	12466	13.60	NG	97
12)	bis(2-Chloroisopropyl)ether	9.19	193	26640M	16.57	NG	98
13)	4-Methylphenol	9.54	210	13701	16.31	NG	90
14)	N-Nitroso-Di-n-propylamine	9.54	210	12176	17.28	NG	80
15)	Hexachloroethane	9.83	224	7000	16.59	NG	93
16)	*d8-Naphthalene	12.05	333	88289	40.00	NG	91
17)	Nitrobenzene-d5	9.97	231	27106	38.26	NG	95
18)	Nitrobenzene	10.03	234	17514	19.65	NG	93
19)	Isophorone	10.70	267	33554	20.96	NG	97
20)	2-Nitrophenol	10.93	278	9331	16.53	NG	77
21)	2,4-Dimethylphenol	11.07	285	8589	14.15	NG	94
22)	Benzoic Acid	11.33	298	6529M	7.92	NG	91
23)	bis(2-Chloroethoxy)methane	11.35	299	21995	25.69	NG	91
24)	2,4-Dichlorophenol	11.66	314	15968	21.12	NG	89
25)	1,2,4-Trichlorobenzene	11.88	325	17892	21.56	NG	94
26)	Naphthalene	12.11	336	48138	22.32	NG	98
27)	4-Chloroaniline	12.33	347	4272	4.36	NG	85
28)	Hexachlorobutadiene	12.50	355	10446	21.65	NG	96
29)	4-Chloro-3-methylphenol	13.84	421	17262	20.68	NG	89
30)	2-Methylnaphthalene	14.27	442	35619	22.84	NG	94
31)	*d10-Acenaphthene	17.57	604	59387	40.00	NG	98
32)	Hexachlorocyclopentadiene	14.76	466	3121	8.82	NG	96
33)	2,4,6-Trichlorophenol	15.16	486	12722	21.57	NG	94
34)	2,4,5-Trichlorophenol	15.33	494	13805	15.69	NG	98
35)	2-Chloronaphthalene	15.79	517	38674	23.46	NG	96
36)	2-Fluorobiphenyl	15.45	500	76944	44.66	NG	96
37)	2-Nitroaniline	16.16	535	15566	22.49	NG	98
38)	Dimethylphthalate	16.77	565	52416	23.08	NG	91
39)	Acenaphthylene	17.12	582	66429	24.09	NG	96
40)	3-Nitroaniline	17.49	600	7586	13.19	NG	89

Operator ID: PETE Quant Rev: 7 Quant Time: 920323 18:03
utput File: ^DD708::QT Injected at: 920323 17:08
Data File: >DD708::D5 Dilution Factor: 1.00000
Name: Q5-0545 Instrument ID: MS_D
Misc: REF STD,REF STD #729,SOIL,30.00,2,0 BTL# 7

ID File: DBNA::SC
Title: HSL BNA ANALYSIS GC/MS D(#4)
Last Calibration: 920227 10:32 Last Qcal Time: 920323 09:37

	Compound	R.T.	Scan#	Area	Conc	Units	q
41)	Acenaphthene	17.67	609	45681	24.97	NG	96
42)	2,4-Dinitrophenol	17.85	618	1779	5.47	NG	71
43)	4-Nitrophenol	18.24	637	5569	13.27	NG	90
44)	Dibenzofuran	18.24	637	61160	24.65	NG	100
45)	2,4-Dinitrotoluene	18.24	637	17997	23.18	NG	97
46)	2,6-Dinitrotoluene	16.96	574	12789	21.78	NG	78
47)	Diethylphthalate	19.06	677	60265	23.24	NG	92
48)	4-Chlorophenyl-phenylether	19.38	693	25974	29.57	NG	90
49)	Fluorene	19.34	691	49170	25.03	NG	99
50)	4-Nitroaniline	19.44	696	9090	12.64	NG	91
51)	*d10-Phenanthrene	22.40	841	107857	40.00	NG	99
52)	4,6-Dinitro-2-methylphenol	19.55	701	7428	15.18	NG	92
53)	N-Nitrosodiphenylamine	19.77	712	36233	22.53	NG	94
54)	2,4,6-Tribromophenol	20.12	729	32117	94.20	NG	98
55)	4-Bromophenyl-phenylether	20.95	770	15574	22.48	NG	99
56)	Hexachlorobenzene	21.12	778	19147	24.04	NG	97
57)	Pentachlorophenol	21.79	811	3245	9.10	NG	92
58)	Phenanthrene	22.46	844	77448	25.83	NG	99
59)	Anthracene	22.62	852	70043	23.31	NG	98
60)	Di-n-Butylphthalate	24.35	937	110169	22.51	NG	97
61)	Fluoranthene	26.33	1034	79653	24.24	NG	99
62)	*d12-Chrysene	31.02	1264	98202	40.00	NG	97
63)	Pyrene	27.08	1071	83069	25.18	NG	98
64)	Terphenyl-d14	27.61	1097	83939	42.80	NG	97
65)	Butylbenzylphthalate	29.22	1176	48085	23.28	NG	81
66)	3,3'-Dichlorobenzidine	30.93	1260	5461	5.69	NG	92
67)	Benzo(a)Anthracene	30.99	1263	69103	22.38	NG	99
68)	Bis(2-Ethylhexyl)Phthalate	31.12	1269	66638	22.60	NG	92
69)	Chrysene	31.12	1269	63850	25.94	NG	96
70)	*d12-Perylene	37.78	1596	83137	40.00	NG	94
71)	Di-n-octylphthalate	33.73	1397	101887	17.31	NG	98
72)	Benzo(b)Fluoranthene	35.58	1488	62634	17.45	NG	94
73)	Benzo(k)Fluoranthene	35.72	1495	59191	22.41	NG	92
74)	Benzo(a)Pyrene	37.43	1579	52139	18.36	NG	98
75)	Indeno(1,2,3-cd)Pyrene	46.21	2010	43858	17.56	NG	95
76)	Dibenzo(a,h)Anthracene	46.52	2025	42357	16.62	NG	95
77)	Benzo(g,h,i)Perylene	48.51	2123	46919	18.05	NG	96

* Compound is ISTD

GALSON LABORATORIES — INSTRUMENT LOG GC/MS D (#4) — DATE 2/26/92

TUNE FILE: MTD001 — INTERNAL STANDARD: BU718 — DATA TAPE: DD062

METHOD FILE: BU4D — VOLUME INTERNAL STD: 10ml — ANALYST: Peter Tadlock

ID FILE: DBM — VOLUME (INJ)PURGED: 1ml — SUPERVISON:

FILE	GTS #	AS #	INITIAL WT/VOL	FINAL VOLUME	% MOIST	CLIENT	DESCRIPTION	COMMENTS
>DD577	DFTPP	1	2ml	-	-	QC	50ng DFTPP	OK, SCAN 40
>DD578	Std	2	1ml	-	-		160ng BU# Std	
>DD579	Std	3	1ml	-	-		120ng BU# Std	
>DD580	Std	4	1ml	-	-		80ng BU# Std	Update to
>DD581	Std	5	1ml	-	-		50ng BU# Std	02CAL.DBM
>DD582	Std	6	1ml	-	-		20ng BU# Std	
>DD583	6703-003	7	10.3ml	2ml	-	[redacted]	ICDW40W-MSD 89-2	OK
>DD584	6703-006	8	10.4ml	2ml	-		ICDW50W 89-2	OK
>DD585	6761-002	9	10.5ml	2ml	-		ICDW30W 89-2	OK
>DD586	6761-003	10	10.4ml	2ml	-		ICSW50W 89-2	OK
>DD587	6761-004	11	9.2ml	2ml	-		ICDW90W 89-2	OK

0163

... LABORATORIES — INSTRUMENT LOG GC/MS D (#4) — DATE 3/23/92

TUNE FILE: DD001 — INTERNAL STANDARD: BU753 — DATA TAPE: DD004

METHOD FILE: BNAD — VOLUME INTERNAL STD: 10 ml — ANALYST: Peter Inglick

ID FILE: DB004 — VOLUME (INJ)/PURGED: 1.0 l — SUPERVISOR: [illegible]

FILE	GTS #	AS #	INITIAL WT/VOL	FINAL VOLUME	% MOIST	CLIENT	DESCRIPTION		COMMENTS
>DD700	DFTPP	1	2ml	-	-	C&C	SOM DFTPP		OK, SCAN 3/4 30
>DD701	Std	2	1ml	-	-	↓	50ng Base Std		OK, QC/AL
>DD702	Blank GS 0543	1	1000ml	2ml	-	GS 0543	Blank - GS 0543	8270	OK
>DD703	BS - GS-0543	2	1ml	2ml	-	↓	Blank Spike - GS-0543	8270	OK-JS, Base
>DD704	7355-001	3	1020ml	2ml	-	[redacted]	TAF 1730	8270	OK
>DD705	7355 002	4	990ml	2ml	-	↓	EFFL 1800	8270	OK
>DD706	Blank GS0545	5	30.0g	2ml	0	GS-0545	Blank GS-0545	8270	OK
>DD707	BS-GS-0545	6	30.0g	2ml	0	↓	BS - GS 0545	8270	OK
>DD708	Ref Std	7	500g	2ml	0	↓	Ref Std #729	8270	OK
>DD709	7360 001	8	30.13g	2ml	15	INFLU	PVVIXXXX01	8270	OK
>DD710	7360 003	9	30.13g	2ml	36	↓	PVVIXXXX01 MS	8270	OK
>DD711	7360 004	10	30.13g	2ml	24	↓	PVVIXXXX01 MSD	8270	OK
>DD712	Blank GS 0555	11	1.0g	10ml	0	GS-0555	Blank - GS 0555	8270	OK-JS, Base - Ext DF 706
>DD713	7408-001	12	1.0g	20ml	0	[redacted]	PVVIXXXX02	8270	OK, Run 1:4 - Ext DF706
>DD714	7408-003	13	1.0g	20ml	0	↓	PVVIXXXX03	8270	OK, Run 1:10 - Ext DF706
>DD715	GGC Blank	14	30.0g	2ml	0	GS 0545	GGC Blank	8270	OK - Ext DF706

1.0 L0

SOIL MOISTURE ANALYSIS

Accompanying method: 8270

Q50545 / Q50546

CLIENT	GALSON ID	SAMPLE	PAN WT (gm)	NET WET WT (gm)	GROSS DRY WT (gm)	NET DRY WT (gm)	% MOISTURE	% Solids
NYSEG	7360	001	1.51g	7.63g	8.00g	6.49	14.9 %	85.1%
		02	1.52g	5.51g	5.06g	3.54	35.8	64.2%
		13	1.57g	7.68g	4.34g	5.83	24.1%	75.9%

Wet weight by: Kesquith

Dry weight by: Kesquith

Calculations by: Kesquith

$$\%\text{Moisture} = \frac{(\text{net wet weight}) - (\text{net dry weight})}{\text{net wet weight}} \times 100$$

GALSON LABORATORIES

GC / MS SOILS EXTRACTION LOG

QC BATCH # : Q50545.EN

	START	FINISH
CONTINUOUS		
SOXHLET		
SEP FUNNEL	SONICATION	SHAKER

EXTRACTION METHOD: 8270

MATRIX: oil

EXTRACTION SOLVENT: 1:1 DCM/Acetone

CLIENT	TASK #	INITIAL pH	INITIAL WEIGHT	SPIKED (INIT)	FINAL VOL.	GPC CLEANUP
NYSEG	7360-001	7.0	30.13g	1ml	10ml	1/8
						(WEC)
BS	7360-005		30.24g	1ml	1.0ml	1/8
BLANK			30.24g	1ml		1/8
MS / ~~BS~~	7360-003	7.0	30.13g	1ml		1/8
MSD / ~~BSD~~	004	7.0	30.13g	1ml		1/8
CHK. STAND.	7360-006		30.24	1ml		1/8

SURROGATE STANDARD# : BN 725 **VOLUME:** 1.0ml

MATRIX SPIKE STANDARD # : BN 726 **VOLUME :** 1.0ml

SAMPLE EXTRACTED	[signature]	DATE: 3-12-92
SAMPLE CONCENTRATED	(PE) L. Hlaglewski	DATE: 3-12-92
EXTRACTS RECEIVED	[signature]	DATE 3/17/92

Q.C. BATCH #: Q5 0545, EN

GTS NUMBER	CLIENT ID NUMBER	COMMENTS
7360-001		Tan clay
		JF
~~BS~~		Used ~30.0g of granular Na_2SO_4
BLANK		
~~MS~~ / ~~BS~~		Tan clay
~~MSD~~ / ~~BSD~~		
CHECK STANDARD		Used 30g of granular Na_2SO_4. Spiked w/ 1.0 mL of BN 709, BNA Reg Std. 50 ppm.